Date Reported:
11-May-12

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Oneida Total Integrated Enterprises
1220 Kennestone Circle, Suite 106
Marietta, GA 30066

Project # 3505835
Project: OTIE-Five Mile Creek / 2005148-1392

Attn: Limari Krebs

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
350583501	EPAFMC-SD-01	S	23-Apr-12 13:35	24-Apr-12 9:40
350583502	EPAFMC-SD-02	S	23-Apr-12 13:45	24-Apr-12 9:40
350583503	EPAFMC-SD-03	S	23-Apr-12 13:55	24-Apr-12 9:40
350583504	EPAFMC-SD-04	S	23-Apr-12 14:10	24-Apr-12 9:40
350583505	EPAFMC-SD-05	S	23-Apr-12 14:20	24-Apr-12 9:40
350583506	EPAFMC-SD-06	S	23-Apr-12 14:25	24-Apr-12 9:40
350583507	EPAFMC-SD-01MS	S	23-Apr-12 13:35	24-Apr-12 9:40
350583508	EPAFMC-SD-01SD	S	23-Apr-12 13:35	24-Apr-12 9:40

The samples were analyzed for the methods listed on the attached table of contents. See the attached data tables for results.

Soil samples are reported on dry weight basis, unless otherwise noted.

Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis.

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. The results relate only to the samples(s) as received. This report may not be reproduced, except in full, without written approval from Spectrum Analytical.

All applicable NELAC or USEPA CLP requirments have been meet unless noted in the case narrative.

Spectrum Analytical is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page on our web site at www.spectrum-analytical.com.

Florida	E84207
Texas	T104704408-11
South Carolina	96011001
North Dakota	R-178
California	07253CA
Louisiana	02025
Kansas	E-10385
Arkansas	11-036-1

Certificate # L2259 Testing

Respectfully Submitted,

Brian Spann
Laboratory Director
Spectrum Analytical, Inc. Florida Division

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EXECUTIVE SUMMARY - Detection Highlights

3505835

SAMPLE ID: EPAFMC-SD-01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5740 N	12.3	MG/KG	SW6010B
Antimony	0.715 J	1.23	MG/KG	SW6010B
Arsenic	10.1	1.23	MG/KG	SW6010B
Barium	48.2	0.613	MG/KG	SW6010B
Beryllium	0.503 J	0.613	MG/KG	SW6010B
Calcium	14300	12.3	MG/KG	SW6010B
Chromium	32.6 N	0.613	MG/KG	SW6010B
Cobalt	7.08	0.613	MG/KG	SW6010B
Copper	14.0	0.613	MG/KG	SW6010B
Iron	21900 N	6.13	MG/KG	SW6010B
Lead	18.8	0.981	MG/KG	SW6010B
Magnesium	3590	12.3	MG/KG	SW6010B
Nickel	9.16	0.613	MG/KG	SW6010B
Potassium	466	61.3	MG/KG	SW6010B
Sodium	98.0	36.8	MG/KG	SW6010B
Vanadium	28.5	0.613	MG/KG	SW6010B
Zinc	147 N	1.23	MG/KG	SW6010B
Mercury	0.0670	0.0263	MG/KG	SW7471A
Acenaphthene	928 J	3400	UG/KG	SW8270D
Acenaphthylene	944 J	3400	UG/KG	SW8270D
Anthracene	2860 J	3400	UG/KG	SW8270D
Benzo(a)anthracene	7390	3400	UG/KG	SW8270D
Benzo(a)pyrene	4520	3400	UG/KG	SW8270D
Benzo(b)fluoranthene	7130	3400	UG/KG	SW8270D
Benzo(g,h,i)perylene	2220 J	3400	UG/KG	SW8270D
Benzo(k)fluoranthene	3050 J	3400	UG/KG	SW8270D
Chrysene	7300	3300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	818 J	3400	UG/KG	SW8270D
Fluoranthene	13700	3400	UG/KG	SW8270D
Fluorene	1230 J	3400	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	2070 J	3400	UG/KG	SW8270D
Phenanthrene	6590	3400	UG/KG	SW8270D
Pyrene	10600	3400	UG/KG	SW8270D
1-Methylnaphthalene	124	3.9	UG/KG	SW8270D-SIM
2-Methylnaphthalene	422	3.9	UG/KG	SW8270D-SIM
TOC	267000	638	MG/KG	SW9060

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EXECUTIVE SUMMARY - Detection Highlights

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SAMPLE ID: EPAFMC-SD-01DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	633	1.23	MG/KG	SW6010B
Acenaphthene	9140	780	UG/KG	SW8270D-SIM
Acenaphthylene	13200	780	UG/KG	SW8270D-SIM
Anthracene	21200	780	UG/KG	SW8270D-SIM
Benzo(a)anthracene	16000	780	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10300	780	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	12700	780	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	6920	780	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	4680	780	UG/KG	SW8270D-SIM
Chrysene	15900	780	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	2230	780	UG/KG	SW8270D-SIM
Fluoranthene	26800	780	UG/KG	SW8270D-SIM
Fluorene	5600	780	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4630	780	UG/KG	SW8270D-SIM
Naphthalene	1260	780	UG/KG	SW8270D-SIM
Phenanthrene	20400	780	UG/KG	SW8270D-SIM
Pyrene	17600	780	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5920	11.9	MG/KG	SW6010B
Antimony	0.828 J	1.19	MG/KG	SW6010B
Arsenic	14.1	1.19	MG/KG	SW6010B
Barium	86.8	0.593	MG/KG	SW6010B
Beryllium	0.711	0.593	MG/KG	SW6010B
Calcium	18800	11.9	MG/KG	SW6010B
Chromium	37.7	0.593	MG/KG	SW6010B
Cobalt	8.12	0.593	MG/KG	SW6010B
Copper	18.1	0.593	MG/KG	SW6010B
Iron	22600	5.93	MG/KG	SW6010B
Lead	32.4	0.950	MG/KG	SW6010B
Magnesium	5130	11.9	MG/KG	SW6010B
Nickel	14.3	0.593	MG/KG	SW6010B
Potassium	562	59.3	MG/KG	SW6010B

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Sodium	104	35.6	MG/KG	SW6010B
Vanadium	27.3	0.593	MG/KG	SW6010B
Zinc	180	1.19	MG/KG	SW6010B
Mercury	0.0564	0.0236	MG/KG	SW7471A
1,1'-Biphenyl	645 J	1300	UG/KG	SW8270D
2-Methylnaphthalene	1720	1300	UG/KG	SW8270D
Acenaphthene	8020	1300	UG/KG	SW8270D
Acenaphthylene	2810	1300	UG/KG	SW8270D
Benzo(a)anthracene	19600	1300	UG/KG	SW8270D
Benzo(a)pyrene	14500	1300	UG/KG	SW8270D
Benzo(b)fluoranthene	22500	1300	UG/KG	SW8270D
Benzo(g,h,i)perylene	5060	1300	UG/KG	SW8270D
Benzo(k)fluoranthene	9520	1300	UG/KG	SW8270D
Carbazole	6390	1300	UG/KG	SW8270D
Chrysene	20300	1300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	2300	1300	UG/KG	SW8270D
Dibenzofuran	4920	1300	UG/KG	SW8270D
Fluorene	11800	1300	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	4940	1300	UG/KG	SW8270D
Naphthalene	2350	1300	UG/KG	SW8270D
1-Methylnaphthalene	129	3.2	UG/KG	SW8270D-SIM
2-Methylnaphthalene	378	3.2	UG/KG	SW8270D-SIM
TOC	26300	395	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-02DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	1580	2.97	MG/KG	SW6010B
Anthracene	28200	6600	UG/KG	SW8270D
Fluoranthene	44700	6600	UG/KG	SW8270D
Phenanthrene	40900	6600	UG/KG	SW8270D
Pyrene	32800	6600	UG/KG	SW8270D
Acenaphthene	1370	640	UG/KG	SW8270D-SIM
Acenaphthylene	2030	640	UG/KG	SW8270D-SIM
Anthracene	6510	640	UG/KG	SW8270D-SIM
Benzo(a)anthracene	15800	640	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10800	640	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	14900	640	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	4970	640	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	15800	640	UG/KG	SW8270D-SIM

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Chrysene	13300	640	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	1920	640	UG/KG	SW8270D-SIM
Fluoranthene	28300	640	UG/KG	SW8270D-SIM
Fluorene	2060	640	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4970	640	UG/KG	SW8270D-SIM
Naphthalene	2490	640	UG/KG	SW8270D-SIM
Phenanthrene	11900	640	UG/KG	SW8270D-SIM
Pyrene	18700	640	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	4400	11.4	MG/KG	SW6010B
Antimony	0.357 J	1.14	MG/KG	SW6010B
Arsenic	8.44	1.14	MG/KG	SW6010B
Barium	48.8	0.572	MG/KG	SW6010B
Beryllium	0.455 J	0.572	MG/KG	SW6010B
Calcium	14000	11.4	MG/KG	SW6010B
Chromium	28.8	0.572	MG/KG	SW6010B
Cobalt	5.27	0.572	MG/KG	SW6010B
Copper	7.72	0.572	MG/KG	SW6010B
Iron	17600	5.72	MG/KG	SW6010B
Lead	18.7	0.915	MG/KG	SW6010B
Magnesium	4150	11.4	MG/KG	SW6010B
Nickel	7.81	0.572	MG/KG	SW6010B
Potassium	352	57.2	MG/KG	SW6010B
Sodium	98.7	34.3	MG/KG	SW6010B
Thallium	0.521 J	1.14	MG/KG	SW6010B
Vanadium	24.6	0.572	MG/KG	SW6010B
Zinc	148	1.14	MG/KG	SW6010B
Mercury	0.0420	0.0149	MG/KG	SW7471A
Acenaphthene	185 J	580	UG/KG	SW8270D
Acenaphthylene	671	580	UG/KG	SW8270D
Anthracene	1360	580	UG/KG	SW8270D
Benzo(a)anthracene	4580	580	UG/KG	SW8270D
Benzo(a)pyrene	3370	580	UG/KG	SW8270D
Benzo(b)fluoranthene	4860	580	UG/KG	SW8270D
Benzo(g,h,i)perylene	1300	580	UG/KG	SW8270D
Benzo(k)fluoranthene	2450	580	UG/KG	SW8270D
Carbazole	239 J	580	UG/KG	SW8270D

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EXECUTIVE SUMMARY - Detection Highlights

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Chrysene	4620	570	UG/KG	SW8270D
Dibenzo(a,h)anthracene	557 J	580	UG/KG	SW8270D
Dibenzofuran	128 J	580	UG/KG	SW8270D
Fluoranthene	7610	580	UG/KG	SW8270D
Fluorene	352 J	580	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	1310	580	UG/KG	SW8270D
Naphthalene	301 J	580	UG/KG	SW8270D
Phenanthrene	1930	580	UG/KG	SW8270D
Pyrene	5660	580	UG/KG	SW8270D
1-Methylnaphthalene	43.2	3.6	UG/KG	SW8270D-SIM
2-Methylnaphthalene	111	3.6	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	530	3.6	UG/KG	SW8270D-SIM
Naphthalene	274	3.6	UG/KG	SW8270D-SIM
TOC	45400	513	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-03DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	605	1.14	MG/KG	SW6010B
Acenaphthene	999	180	UG/KG	SW8270D-SIM
Acenaphthylene	1020	180	UG/KG	SW8270D-SIM
Anthracene	4550	180	UG/KG	SW8270D-SIM
Benzo(a)anthracene	7290	180	UG/KG	SW8270D-SIM
Benzo(a)pyrene	5040	180	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	6910	180	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	2250	180	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	2250	180	UG/KG	SW8270D-SIM
Chrysene	5990	180	UG/KG	SW8270D-SIM
Fluoranthene	12200	180	UG/KG	SW8270D-SIM
Fluorene	1390	180	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	2260	180	UG/KG	SW8270D-SIM
Phenanthrene	6320	180	UG/KG	SW8270D-SIM
Pyrene	7850	180	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

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EXECUTIVE SUMMARY - Detection Highlights

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Aluminum	9290	13.5	MG/KG	SW6010B
Antimony	0.976 J	1.35	MG/KG	SW6010B
Arsenic	11.9	1.35	MG/KG	SW6010B
Barium	80.1	0.674	MG/KG	SW6010B
Beryllium	0.642 J	0.674	MG/KG	SW6010B
Calcium	14500	13.5	MG/KG	SW6010B
Chromium	26.9	0.674	MG/KG	SW6010B
Cobalt	14.4	0.674	MG/KG	SW6010B
Copper	26.2	0.674	MG/KG	SW6010B
Iron	33100	6.74	MG/KG	SW6010B
Lead	29.1	1.08	MG/KG	SW6010B
Magnesium	6040	13.5	MG/KG	SW6010B
Nickel	18.4	0.674	MG/KG	SW6010B
Potassium	868	67.4	MG/KG	SW6010B
Sodium	59.0	40.4	MG/KG	SW6010B
Thallium	0.588 J	1.35	MG/KG	SW6010B
Vanadium	40.7	0.674	MG/KG	SW6010B
Zinc	162	1.35	MG/KG	SW6010B
Mercury	0.0747	0.0202	MG/KG	SW7471A
Acenaphthylene	161 J	340	UG/KG	SW8270D
Anthracene	328 J	340	UG/KG	SW8270D
Benzo(a)anthracene	986	340	UG/KG	SW8270D
Benzo(a)pyrene	759	340	UG/KG	SW8270D
Benzo(b)fluoranthene	1130	340	UG/KG	SW8270D
Benzo(g,h,i)perylene	467	340	UG/KG	SW8270D
Benzo(k)fluoranthene	478	340	UG/KG	SW8270D
Chrysene	1000	340	UG/KG	SW8270D
Dibenzo(a,h)anthracene	120 J	340	UG/KG	SW8270D
Fluoranthene	2370	340	UG/KG	SW8270D
Fluorene	107 J	340	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	386	340	UG/KG	SW8270D
Naphthalene	95.3 J	340	UG/KG	SW8270D
Phenanthrene	1240	340	UG/KG	SW8270D
Pyrene	1920	340	UG/KG	SW8270D
1-Methylnaphthalene	22.8	4.3	UG/KG	SW8270D-SIM
2-Methylnaphthalene	45.0	4.3	UG/KG	SW8270D-SIM
Acenaphthene	33.9	4.3	UG/KG	SW8270D-SIM
Acenaphthylene	53.6	4.3	UG/KG	SW8270D-SIM
Anthracene	150	4.3	UG/KG	SW8270D-SIM
Benzo(a)anthracene	443	4.3	UG/KG	SW8270D-SIM
Benzo(a)pyrene	378	4.3	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	561	4.3	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	218	4.3	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	163	4.3	UG/KG	SW8270D-SIM

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EXECUTIVE SUMMARY - Detection Highlights

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Chrysene	449	4.3	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	81.2	4.3	UG/KG	SW8270D-SIM
Fluorene	40.6	4.3	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	198	4.3	UG/KG	SW8270D-SIM
Naphthalene	121	4.3	UG/KG	SW8270D-SIM
Phenanthrene	256	4.3	UG/KG	SW8270D-SIM
Pyrene	504	4.3	UG/KG	SW8270D-SIM
TOC	184000	631	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-04DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	838	3.37	MG/KG	SW6010B
Fluoranthene	827	21	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	3770	9.02	MG/KG	SW6010B
Antimony	1.00	0.902	MG/KG	SW6010B
Arsenic	6.59	0.902	MG/KG	SW6010B
Barium	107	0.451	MG/KG	SW6010B
Beryllium	0.296 J	0.451	MG/KG	SW6010B
Cadmium	1.67	0.451	MG/KG	SW6010B
Calcium	9780	9.02	MG/KG	SW6010B
Chromium	17.6	0.451	MG/KG	SW6010B
Cobalt	4.03	0.451	MG/KG	SW6010B
Copper	52.3	0.451	MG/KG	SW6010B
Iron	13300	4.51	MG/KG	SW6010B
Lead	129	0.721	MG/KG	SW6010B
Magnesium	2130	9.02	MG/KG	SW6010B
Manganese	225	0.451	MG/KG	SW6010B
Nickel	11.3	0.451	MG/KG	SW6010B
Potassium	315	45.1	MG/KG	SW6010B
Silver	0.258 J	0.451	MG/KG	SW6010B
Sodium	61.3	27.0	MG/KG	SW6010B
Vanadium	9.20	0.451	MG/KG	SW6010B

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Zinc	392	0.902	MG/KG	SW6010B
Mercury	0.442	0.0185	MG/KG	SW7471A
1,1'-Biphenyl	317000	190000	UG/KG	SW8270D
2-Methylnaphthalene	2180000	190000	UG/KG	SW8270D
Acenaphthene	2320000	190000	UG/KG	SW8270D
Acenaphthylene	309000	190000	UG/KG	SW8270D
Benzo(a)anthracene	1740000	190000	UG/KG	SW8270D
Benzo(a)pyrene	1050000	190000	UG/KG	SW8270D
Benzo(b)fluoranthene	1470000	190000	UG/KG	SW8270D
Benzo(g,h,i)perylene	369000	190000	UG/KG	SW8270D
Benzo(k)fluoranthene	777000	190000	UG/KG	SW8270D
Carbazole	1640000	190000	UG/KG	SW8270D
Chrysene	1920000	190000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	168000 J	190000	UG/KG	SW8270D
Dibenzofuran	1610000	190000	UG/KG	SW8270D
Fluorene	2610000	190000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	367000	190000	UG/KG	SW8270D
Pyrene	2700000	190000	UG/KG	SW8270D
Acenaphthylene	352000	3000	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	366000	3000	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	186000	3000	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	381000	3000	UG/KG	SW8270D-SIM
TOC	409000	897	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-05DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Anthracene	5220000	950000	UG/KG	SW8270D
Fluoranthene	6260000	950000	UG/KG	SW8270D
Naphthalene	11900000	950000	UG/KG	SW8270D
Phenanthrene	10200000	950000	UG/KG	SW8270D
1-Methylnaphthalene	880000	750000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	1760000	750000	UG/KG	SW8270D-SIM
Acenaphthene	2010000	750000	UG/KG	SW8270D-SIM
Anthracene	4930000	750000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	1840000	750000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1170000	750000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1330000	750000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	612000 J	750000	UG/KG	SW8270D-SIM
Chrysene	1900000	750000	UG/KG	SW8270D-SIM

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Fluoranthene	3970000	750000	UG/KG	SW8270D-SIM
Fluorene	2450000	750000	UG/KG	SW8270D-SIM
Naphthalene	6750000	750000	UG/KG	SW8270D-SIM
Phenanthrene	6190000	750000	UG/KG	SW8270D-SIM
Pyrene	2330000	750000	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	2700	11.2	MG/KG	SW6010B
Antimony	1.21	1.12	MG/KG	SW6010B
Arsenic	10.5	1.12	MG/KG	SW6010B
Barium	73.2	0.563	MG/KG	SW6010B
Beryllium	0.256 J	0.563	MG/KG	SW6010B
Cadmium	2.16	0.563	MG/KG	SW6010B
Calcium	9890	11.2	MG/KG	SW6010B
Chromium	19.7	0.563	MG/KG	SW6010B
Cobalt	4.18	0.563	MG/KG	SW6010B
Copper	62.5	0.563	MG/KG	SW6010B
Iron	14800	5.63	MG/KG	SW6010B
Lead	135	0.900	MG/KG	SW6010B
Magnesium	2240	11.2	MG/KG	SW6010B
Manganese	350	0.563	MG/KG	SW6010B
Nickel	9.35	0.563	MG/KG	SW6010B
Potassium	271	56.3	MG/KG	SW6010B
Sodium	61.5	33.8	MG/KG	SW6010B
Thallium	0.486 J	1.12	MG/KG	SW6010B
Vanadium	10.7	0.563	MG/KG	SW6010B
Zinc	427	1.12	MG/KG	SW6010B
Mercury	0.327	0.0179	MG/KG	SW7471A
1,1'-Biphenyl	330000	220000	UG/KG	SW8270D
2-Methylnaphthalene	2040000	220000	UG/KG	SW8270D
Acenaphthene	2480000	220000	UG/KG	SW8270D
Acenaphthylene	364000	220000	UG/KG	SW8270D
Anthracene	3200000	220000	UG/KG	SW8270D
Benzo(a)anthracene	1950000	220000	UG/KG	SW8270D
Benzo(a)pyrene	1230000	220000	UG/KG	SW8270D
Benzo(b)fluoranthene	1800000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	418000	220000	UG/KG	SW8270D
Benzo(k)fluoranthene	794000	220000	UG/KG	SW8270D

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EXECUTIVE SUMMARY - Detection Highlights

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Carbazole	1370000	220000	UG/KG	SW8270D
Chrysene	1970000	220000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	189000 J	220000	UG/KG	SW8270D
Dibenzofuran	1630000	220000	UG/KG	SW8270D
Fluorene	2690000	220000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	410000	220000	UG/KG	SW8270D
Pyrene	3030000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	519000	3800	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	257000	3800	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	526000	3800	UG/KG	SW8270D-SIM
TOC	509000	1170	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-06DL1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Fluoranthene	7300000	1100000	UG/KG	SW8270D
Naphthalene	11700000	1100000	UG/KG	SW8270D
Phenanthrene	11600000	1100000	UG/KG	SW8270D
1-Methylnaphthalene	1310000	960000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	2440000	960000	UG/KG	SW8270D-SIM
Acenaphthene	2760000	960000	UG/KG	SW8270D-SIM
Acenaphthylene	1020000	960000	UG/KG	SW8270D-SIM
Anthracene	5790000	960000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	2450000	960000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1590000	960000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1780000	960000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	874000 J	960000	UG/KG	SW8270D-SIM
Chrysene	2580000	960000	UG/KG	SW8270D-SIM
Fluoranthene	5590000	960000	UG/KG	SW8270D-SIM
Fluorene	3240000	960000	UG/KG	SW8270D-SIM
Naphthalene	8960000	960000	UG/KG	SW8270D-SIM
Phenanthrene	8820000	960000	UG/KG	SW8270D-SIM
Pyrene	3260000	960000	UG/KG	SW8270D-SIM

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Organics

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Organic Data Qualifiers

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

X Data flagged as rejected by analyst utilizing analytical judgement.

Organic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

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8270 SIM Semi-Volatile Organics

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CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis. There was a sheen observed present on the soil samples EPAFMC-SD-05 and EPAFMC-SD-06. Due to these observations, the initial weight used was reduced to improve the extraction performance.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-01DL1 EPAFMC-SD-01MS EPAFMC-SD-01SD EPAFMC-SD-02DL1 EPAFMC-SD-03DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The parent, MS and MSD were initially analyzed full and all had compounds that were over the calibration

range. As a result, all were re-analyzed at a 200X dilution. Only the diluted runs are reported for the MS and MSD.

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 05/02/12. The following analytes were recovered below criteria: 1-Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 05/02/12. The following analytes were recovered below criteria: 1-Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123). The following analytes exceeded RPD criteria: 2-Methylnaphthalene at 200 % with criteria of (30), Acenaphthylene at 33.4 % with criteria of (30), Anthracene at 92.3 % with criteria of (30), Benzo(a)anthracene at 89.6 % with criteria of (30), Benzo(a)pyrene at 79.8 % with criteria of (30), Benzo(b)fluoranthene at 86.9 % with criteria of (30), Benzo(g,h,i)perylene at 48.2 % with criteria of (30), Benzo(k)fluoranthene at 84.6 % with criteria of (30), Chrysene at 84.1 % with criteria of (30), Dibenzo(a,h)anthracene at 76.6 % with criteria of (30), Fluoranthene at 97.4 % with criteria of (30), Fluorene at 73.8 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 72.7 % with criteria of (30), Phenanthrene at 86.4 % with criteria of (30), Pyrene at 100.1 % with criteria of (30).

No further action was taken. The recoveries failed to meet criteria mostly due to the large concentration of analytes present in the parent sample which greatly exceeded the amount spiked. Samples coded accordingly.

E. Internal Standards:

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-01 required a 200X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-02 required a 200X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-03 required a 50X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte: Fluoranthene. Both full and diluted runs are reported.

Sample EPAFMC-SD-05 was analyzed full but did not meet criteria internal standard criteria due to the large concentration of non-target compounds. The sample was then reanalyzed at a 200X dilution and required an additional 50000X dilution due to high concentration of the following analytes: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Due to the internal standard failures, only the dilutions are reported.

Sample EPAFMC-SD-06 was analyzed full but did not meet criteria internal standard criteria due to the large concentration of non-target compounds. The sample was then reanalyzed at a 200X dilution and required an additional 50000X dilution due to high concentration of the following analytes: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Due to the internal standard failures, only the dilutions are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

SIGNED: **DATE:** **05/10/2012**

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 128647LCS Analyte: Benzo(a)pyrene
Reason: Split Peak
Sample: EPAFMC-SD-01 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01 Analyte: Fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: Perylene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: Phenanthrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: Phenanthrene-d10
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: p-Terphenyl-d14
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01DL1 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01DL1 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01DL1 Analyte: Acenaphthylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01DL1 Analyte: Naphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01MS Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01MS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01MS Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01SD Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01SD Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak

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Client: OTIE

Sample: EPAFMC-SD-02 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-02 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-02 Analyte: Fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Perylene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Phenanthrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Phenanthrene-d10
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: p-Terphenyl-d14
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-03 Analyte: Fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Perylene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Phenanthrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Phenanthrene-d10
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: p-Terphenyl-d14
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03DL1 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-03DL1 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04 Analyte: Benzo(k)fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04DL1 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample: EPAFMC-SD-04DL1 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04DL1 Analyte: Benzo(a)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05DL1 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: 1,4-Dichlorobenzene-d4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Acenaphthylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-06 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Phenanthrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Phenanthrene-d10
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06DL1 Analyte: Acenaphthylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-06DL1 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1075969 Analyte: Benzo(a)pyrene
Reason: Split Peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: CCV1075969 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1076397 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: CCV1078235 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1078235 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: CCV1078585 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1078585 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1078585 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: CCV1078585 Analyte: Naphthalene-d8
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068079 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1078135 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1078135 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1078135 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1068085 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1068085 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068085 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068086 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068086 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068087 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068087 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068088 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068088 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1068089 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068089 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068089 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068090 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068090 Analyte: Anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068090 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068091 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1068091 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068091 Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068094 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1068094 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068095 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1068095 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068095 Analyte: Chrysene-d12
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078137 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078137 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078137 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1078138 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078138 Analyte: 2-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078138 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1078139 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

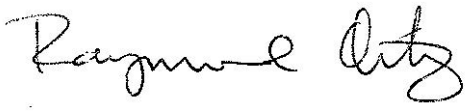
Client: OTIE

Calibration Sample: STD1078139 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1078140 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078140 Analyte: Benzo(a)pyrene
Reason: Split Peak
Calibration Sample: STD1078145 Analyte: Benzo(k)fluoranthene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078145 Analyte: Dibenzo(a,h)anthracene
Reason: Split Peak
Calibration Sample: STD1078150 Analyte: 1-Methylnaphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1078150 Analyte: Benzo(a)pyrene
Reason: Split Peak

These manual integrations have been reviewed and meet all criteria in accordance with Spectrum Analytical Inc.'s SOP regarding manual integration.

Signature:
Name: Mark Jacobs Title: Chemist

CHEMIST: **DATE:** **05/10/2012**



SECTION LEADER: **DATE: 05/10/2012**

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270 SIM

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

110512 1909

8270 SIM Sample Data

110512 1909

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID 83501.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1706

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	124		1.6	3.9
91-57-6	2-Methylnaphthalene	422		1.6	3.9
83-32-9	Acenaphthene	1170	E	1.6	3.9
208-96-8	Acenaphthylene	1090	E	1.6	3.9
120-12-7	Anthracene	8560	E	1.6	3.9
56-55-3	Benzo(a)anthracene	6800	E	1.6	3.9
50-32-8	Benzo(a)pyrene	4760	E	2.1	3.9
205-99-2	Benzo(b)fluoranthene	5820	E	2.2	3.9
191-24-2	Benzo(g,h,i)perylene	1580	E	3.6	3.9
207-08-9	Benzo(k)fluoranthene	1500	E	2.5	3.9
218-01-9	Chrysene	3670	E	1.5	3.9
53-70-3	Dibenzo(a,h)anthracene	926	E	3	3.9
206-44-0	Fluoranthene	8490	E	1.6	3.9
86-73-7	Fluorene	2390	E	1.6	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	1810	E	3.5	3.9
91-20-3	Naphthalene	728	E	1.6	3.9
85-01-8	Phenanthrene	7350	E	1.6	3.9
129-00-0	Pyrene	4200	E	1.6	3.9

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1 Lab File ID 83501D200.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1333

PercentSolids: 67.6 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	312	U	312	781
91-57-6	2-Methylnaphthalene	721	J	312	781
83-32-9	Acenaphthene	9140		312	781
208-96-8	Acenaphthylene	13200		312	781
120-12-7	Anthracene	21200		312	781
56-55-3	Benzo(a)anthracene	16000		328	781
50-32-8	Benzo(a)pyrene	10300		422	781
205-99-2	Benzo(b)fluoranthene	12700		445	781
191-24-2	Benzo(g,h,i)perylene	6920		727	781
207-08-9	Benzo(k)fluoranthene	4680		492	781
218-01-9	Chrysene	15900		305	781
53-70-3	Dibenzo(a,h)anthracene	2230		610	781
206-44-0	Fluoranthene	26800		312	781
86-73-7	Fluorene	5600		312	781
193-39-5	Indeno(1,2,3-cd)pyrene	4630		703	781
91-20-3	Naphthalene	1260		328	781
85-01-8	Phenanthrene	20400		312	781
129-00-0	Pyrene	17600		312	781

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID 83502.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1731

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	129		1.3	3.2
91-57-6	2-Methylnaphthalene	378		1.3	3.2
83-32-9	Acenaphthene	734	E	1.3	3.2
208-96-8	Acenaphthylene	1330	E	1.3	3.2
120-12-7	Anthracene	4420	E	1.3	3.2
56-55-3	Benzo(a)anthracene	9070	E	1.3	3.2
50-32-8	Benzo(a)pyrene	4800	E	1.7	3.2
205-99-2	Benzo(b)fluoranthene	4980	E	1.8	3.2
191-24-2	Benzo(g,h,i)perylene	1640	E	3	3.2
207-08-9	Benzo(k)fluoranthene	1830	E	2	3.2
218-01-9	Chrysene	4370	E	1.2	3.2
53-70-3	Dibenzo(a,h)anthracene	894	E	2.5	3.2
206-44-0	Fluoranthene	8190	E	1.3	3.2
86-73-7	Fluorene	1260	E	1.3	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	1920	E	2.9	3.2
91-20-3	Naphthalene	1540	E	1.3	3.2
85-01-8	Phenanthrene	5780	E	1.3	3.2
129-00-0	Pyrene	5560	E	1.3	3.2

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID 83502D200.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1808

PercentSolids: 80.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	256	U	256	641
91-57-6	2-Methylnaphthalene	462	J	256	641
83-32-9	Acenaphthene	1370		256	641
208-96-8	Acenaphthylene	2030		256	641
120-12-7	Anthracene	6510		256	641
56-55-3	Benzo(a)anthracene	15800		270	641
50-32-8	Benzo(a)pyrene	10800		347	641
205-99-2	Benzo(b)fluoranthene	14900		366	641
191-24-2	Benzo(g,h,i)perylene	4970		597	641
207-08-9	Benzo(k)fluoranthene	15800		404	641
218-01-9	Chrysene	13300		250	641
53-70-3	Dibenzo(a,h)anthracene	1920		501	641
206-44-0	Fluoranthene	28300		256	641
86-73-7	Fluorene	2060		256	641
193-39-5	Indeno(1,2,3-cd)pyrene	4970		578	641
91-20-3	Naphthalene	2490		270	641
85-01-8	Phenanthrene	11900		256	641
129-00-0	Pyrene	18700		256	641

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID 83503.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1845

PercentSolids: 74.2 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	43.2		1.4	3.6
91-57-6	2-Methylnaphthalene	111		1.4	3.6
83-32-9	Acenaphthene	602	E	1.4	3.6
208-96-8	Acenaphthylene	761	E	1.4	3.6
120-12-7	Anthracene	2900	E	1.4	3.6
56-55-3	Benzo(a)anthracene	5760	E	1.5	3.6
50-32-8	Benzo(a)pyrene	2990	E	1.9	3.6
205-99-2	Benzo(b)fluoranthene	3810	E	2	3.6
191-24-2	Benzo(g,h,i)perylene	898	E	3.3	3.6
207-08-9	Benzo(k)fluoranthene	932	E	2.2	3.6
218-01-9	Chrysene	2840	E	1.4	3.6
53-70-3	Dibenzo(a,h)anthracene	530		2.8	3.6
206-44-0	Fluoranthene	5980	E	1.4	3.6
86-73-7	Fluorene	916	E	1.4	3.6
193-39-5	Indeno(1,2,3-cd)pyrene	1040	E	3.2	3.6
91-20-3	Naphthalene	274		1.5	3.6
85-01-8	Phenanthrene	3970	E	1.4	3.6
129-00-0	Pyrene	4090	E	1.4	3.6

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1 Lab File ID 83503D50.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1832

PercentSolids: 74.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	71	U	71	178
91-57-6	2-Methylnaphthalene	132	J	71	178
83-32-9	Acenaphthene	999		71	178
208-96-8	Acenaphthylene	1020		71	178
120-12-7	Anthracene	4550		71	178
56-55-3	Benzo(a)anthracene	7290		74.7	178
50-32-8	Benzo(a)pyrene	5040		96	178
205-99-2	Benzo(b)fluoranthene	6910		101	178
191-24-2	Benzo(g,h,i)perylene	2250		165	178
207-08-9	Benzo(k)fluoranthene	2250		112	178
218-01-9	Chrysene	5990		69.4	178
53-70-3	Dibenzo(a,h)anthracene	1020		139	178
206-44-0	Fluoranthene	12200		71	178
86-73-7	Fluorene	1390		71	178
193-39-5	Indeno(1,2,3-cd)pyrene	2260		160	178
91-20-3	Naphthalene	397		74.7	178
85-01-8	Phenanthrene	6320		71	178
129-00-0	Pyrene	7850		71	178

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID 83504.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1133

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	22.8		1.7	4.3
91-57-6	2-Methylnaphthalene	45		1.7	4.3
83-32-9	Acenaphthene	33.9		1.7	4.3
208-96-8	Acenaphthylene	53.6		1.7	4.3
120-12-7	Anthracene	150		1.7	4.3
56-55-3	Benzo(a)anthracene	443		1.8	4.3
50-32-8	Benzo(a)pyrene	378		2.3	4.3
205-99-2	Benzo(b)fluoranthene	561		2.4	4.3
191-24-2	Benzo(g,h,i)perylene	218		4	4.3
207-08-9	Benzo(k)fluoranthene	163		2.7	4.3
218-01-9	Chrysene	449		1.7	4.3
53-70-3	Dibenzo(a,h)anthracene	81.2		3.3	4.3
206-44-0	Fluoranthene	677	E	1.7	4.3
86-73-7	Fluorene	40.6		1.7	4.3
193-39-5	Indeno(1,2,3-cd)pyrene	198		3.9	4.3
91-20-3	Naphthalene	121		1.8	4.3
85-01-8	Phenanthrene	256		1.7	4.3
129-00-0	Pyrene	504		1.7	4.3

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1 Lab File ID 83504D5.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1856

PercentSolids: 62 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	27		8.6	21.4
91-57-6	2-Methylnaphthalene	48.6		8.6	21.4
83-32-9	Acenaphthene	41.6		8.6	21.4
208-96-8	Acenaphthylene	65.3		8.6	21.4
120-12-7	Anthracene	177		8.6	21.4
56-55-3	Benzo(a)anthracene	550		9	21.4
50-32-8	Benzo(a)pyrene	452		11.6	21.4
205-99-2	Benzo(b)fluoranthene	662		12.2	21.4
191-24-2	Benzo(g,h,i)perylene	255		20	21.4
207-08-9	Benzo(k)fluoranthene	207		13.5	21.4
218-01-9	Chrysene	505		8.4	21.4
53-70-3	Dibenzo(a,h)anthracene	92.4		16.7	21.4
206-44-0	Fluoranthene	827		8.6	21.4
86-73-7	Fluorene	48.1		8.6	21.4
193-39-5	Indeno(1,2,3-cd)pyrene	237		19.3	21.4
91-20-3	Naphthalene	141		9	21.4
85-01-8	Phenanthrene	306		8.6	21.4
129-00-0	Pyrene	620		8.6	21.4

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID 83505D200.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1309

PercentSolids: 78.2 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	772000	E	1200	3000
91-57-6	2-Methylnaphthalene	1980000	E	1200	3000
83-32-9	Acenaphthene	1650000	E	1200	3000
208-96-8	Acenaphthylene	352000		1200	3000
120-12-7	Anthracene	4360000	E	1200	3000
56-55-3	Benzo(a)anthracene	1800000	E	1260	3000
50-32-8	Benzo(a)pyrene	997000	E	1620	3000
205-99-2	Benzo(b)fluoranthene	1360000	E	1710	3000
191-24-2	Benzo(g,h,i)perylene	366000		2800	3000
207-08-9	Benzo(k)fluoranthene	472000	E	1890	3000
218-01-9	Chrysene	1720000	E	1170	3000
53-70-3	Dibenzo(a,h)anthracene	186000		2340	3000
206-44-0	Fluoranthene	3660000	E	1200	3000
86-73-7	Fluorene	2050000	E	1200	3000
193-39-5	Indeno(1,2,3-cd)pyrene	381000		2710	3000
91-20-3	Naphthalene	6760000	E	1260	3000
85-01-8	Phenanthrene	6220000	E	1200	3000
129-00-0	Pyrene	2140000	E	1200	3000

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID 83505D50K.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1442

PercentSolids: 78.2 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	880000		300000	751000
91-57-6	2-Methylnaphthalene	1760000		300000	751000
83-32-9	Acenaphthene	2010000		300000	751000
208-96-8	Acenaphthylene	1550000		300000	751000
120-12-7	Anthracene	4930000		300000	751000
56-55-3	Benzo(a)anthracene	1840000		316000	751000
50-32-8	Benzo(a)pyrene	1170000		406000	751000
205-99-2	Benzo(b)fluoranthene	1330000		428000	751000
191-24-2	Benzo(g,h,i)perylene	699000	U	699000	751000
207-08-9	Benzo(k)fluoranthene	612000	J	474000	751000
218-01-9	Chrysene	1900000		293000	751000
53-70-3	Dibenzo(a,h)anthracene	586000	U	586000	751000
206-44-0	Fluoranthene	3970000		300000	751000
86-73-7	Fluorene	2450000		300000	751000
193-39-5	Indeno(1,2,3-cd)pyrene	676000	U	676000	751000
91-20-3	Naphthalene	6750000		316000	751000
85-01-8	Phenanthrene	6190000		300000	751000
129-00-0	Pyrene	2330000		300000	751000

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID 83506D200.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1245

PercentSolids: 66.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1030000	E	1540	3850
91-57-6	2-Methylnaphthalene	2590000	E	1540	3850
83-32-9	Acenaphthene	2250000	E	1540	3850
208-96-8	Acenaphthylene	612000	E	1540	3850
120-12-7	Anthracene	5160000	E	1540	3850
56-55-3	Benzo(a)anthracene	2560000	E	1620	3850
50-32-8	Benzo(a)pyrene	1340000	E	2080	3850
205-99-2	Benzo(b)fluoranthene	1850000	E	2200	3850
191-24-2	Benzo(g,h,i)perylene	519000		3580	3850
207-08-9	Benzo(k)fluoranthene	604000	E	2430	3850
218-01-9	Chrysene	2220000	E	1500	3850
53-70-3	Dibenzo(a,h)anthracene	257000		3000	3850
206-44-0	Fluoranthene	5060000	E	1540	3850
86-73-7	Fluorene	2740000	E	1540	3850
193-39-5	Indeno(1,2,3-cd)pyrene	526000		3470	3850
91-20-3	Naphthalene	8520000	E	1620	3850
85-01-8	Phenanthrene	8350000	E	1540	3850
129-00-0	Pyrene	2950000	E	1540	3850

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID 83506D50K.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1507

PercentSolids: 66.7 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1310000		384000	962000
91-57-6	2-Methylnaphthalene	2440000		384000	962000
83-32-9	Acenaphthene	2760000		384000	962000
208-96-8	Acenaphthylene	1020000		384000	962000
120-12-7	Anthracene	5790000		384000	962000
56-55-3	Benzo(a)anthracene	2450000		404000	962000
50-32-8	Benzo(a)pyrene	1590000		520000	962000
205-99-2	Benzo(b)fluoranthene	1780000		549000	962000
191-24-2	Benzo(g,h,i)perylene	896000	U	896000	962000
207-08-9	Benzo(k)fluoranthene	874000	J	607000	962000
218-01-9	Chrysene	2580000		376000	962000
53-70-3	Dibenzo(a,h)anthracene	751000	U	751000	962000
206-44-0	Fluoranthene	5590000		384000	962000
86-73-7	Fluorene	3240000		384000	962000
193-39-5	Indeno(1,2,3-cd)pyrene	867000	U	867000	962000
91-20-3	Naphthalene	8960000		404000	962000
85-01-8	Phenanthrene	8820000		384000	962000
129-00-0	Pyrene	3260000		384000	962000

8270 SIM QC Summary

110512 1909

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 128646MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128646MB Lab File ID: 9282MB.D

Sample wt/vol: 20.34 Units: G Date Received: 05/02/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/02/12 Time: 1025

PercentSolids: 100 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1.3	U	1.3	3.3
91-57-6	2-Methylnaphthalene	1.3	U	1.3	3.3
83-32-9	Acenaphthene	1.3	U	1.3	3.3
208-96-8	Acenaphthylene	1.3	U	1.3	3.3
120-12-7	Anthracene	1.3	U	1.3	3.3
56-55-3	Benzo(a)anthracene	1.4	U	1.4	3.3
50-32-8	Benzo(a)pyrene	1.8	U	1.8	3.3
205-99-2	Benzo(b)fluoranthene	1.9	U	1.9	3.3
191-24-2	Benzo(g,h,i)perylene	3	U	3	3.3
207-08-9	Benzo(k)fluoranthene	2.1	U	2.1	3.3
218-01-9	Chrysene	1.3	U	1.3	3.3
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	3.3
206-44-0	Fluoranthene	1.3	U	1.3	3.3
86-73-7	Fluorene	1.3	U	1.3	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	2.9	U	2.9	3.3
91-20-3	Naphthalene	1.4	U	1.4	3.3
85-01-8	Phenanthrene	1.3	U	1.3	3.3
129-00-0	Pyrene	1.3	U	1.3	3.3

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SEMI-VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.

128646MB

Lab Name: Spectrum Analytical, Inc Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID: 9282MB.D Lab Sample ID: 128646MB

Instrument ID: SMSD01 Date Extracted: 05/02/12

Matrix: SOIL Date Analyzed: 05/02/12

Level:(low/med) LOW Time Analyzed: 1025

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	128647LCS	128647LCS	9282LCS.D	05/03/12	0837
2	EPAFMC-SD-01	350583501	83501.D	05/03/12	1706
3	EPAFMC-SD-02	350583502	83502.D	05/03/12	1731
4	EPAFMC-SD-03	350583503	83503.D	05/03/12	1845
5	EPAFMC-SD-04	350583504	83504.D	05/08/12	1133
6	EPAFMC-SD-06	350583506	83506D200.D	05/08/12	1245
7	EPAFMC-SD-05	350583505	83505D200.D	05/08/12	1309
8	EPAFMC-SD-01DL1	350583501DL1	83501D200.D	05/08/12	1333
9	EPAFMC-SD-02DL1	350583502DL1	83502D200.D	05/08/12	1808
10	EPAFMC-SD-03DL1	350583503DL1	83503D50.D	05/08/12	1832
11	EPAFMC-SD-04DL1	350583504DL1	83504D5.D	05/08/12	1856
12	EPAFMC-SD-01MS	350583507	83507D200.D	05/09/12	1417
13	EPAFMC-SD-05DL1	350583505DL1	83505D50K.D	05/09/12	1442
14	EPAFMC-SD-06DL1	350583506DL1	83506D50K.D	05/09/12	1507
15	EPAFMC-SD-01SD	350583508	83508D200.D	05/09/12	1532

COMMENTS:

2A

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
128646MB	77.2	82.1					0
128647LCS	82.3	85.6					0
EPAFMC-SD-01	62.5	78.5					0
EPAFMC-SD-01DL1	0.0 D	0.0 D					0
EPAFMC-SD-01MS	0.0 D	0.0 D					0
EPAFMC-SD-01SD	0.0 D	0.0 D					0
EPAFMC-SD-02	106.0	67.2					0
EPAFMC-SD-02DL1	0.0 D	0.0 D					0
EPAFMC-SD-03	70.4	67.4					0
EPAFMC-SD-03DL1	0.0 D	0.0 D					0
EPAFMC-SD-04	50.9	49.7					0
EPAFMC-SD-04DL1	58.1	55.9					0
EPAFMC-SD-05	0.0 D	0.0 D					0
EPAFMC-SD-05DL1	0.0 D	0.0 D					0
EPAFMC-SD-06	0.0 D	0.0 D					0
EPAFMC-SD-06DL1	0.0 D	0.0 D					0

Control Limits

S1 = p-Terphenyl-d14 43 - 145

S2 = 2-Fluorobiphenyl 43 - 145

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

110512 1909

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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP1.D DFTPP Injection Date: 04/10/12

Instrument ID: SMSD01 DFTPP Injection Time: 0708

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	36.8	
68	Less than 2.0% of mass 69	0.7	(1.64)1
69	Mass 69 relative abundance	44	
70	Less than 2.0% of mass 69	0.3	(0.69)1
127	10.0 - 80.0% of mass 198	50.5	
197	Less than 2.0% of mass 198	0.5	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.7	
275	10.0 - 60.0% of mass 198	25.2	
365	Greater than 1.0% of mass 198	3.2	
441	0.0 - 24.0% of mass 442	8.7	(14.62)2
442	Greater than 50.0% of mass 198	59.6	
443	15.0 - 24.0% of mass 442	11.4	(19.16)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD1068090	45403	SIMCAL1.D	04/10/12	0755
2	STD1068089	45402	SIMCAL2.D	04/10/12	0819
3	STD1068088	45401	SIMCAL3.D	04/10/12	0843
4	STD1068087	45400	SIMCAL4.D	04/10/12	0906
5	STD1068086	45399	SIMCAL5.D	04/10/12	0930
6	STD1068091	45772	SIMCAL6.D	04/10/12	0954
7	STD1068085	45397	SIMCAL7.D	04/10/12	1017
8	STD1068084	45396	SIMCAL8.D	04/10/12	1041
9	STD1068094	45779	SIMCAL9R.D	04/10/12	1153
10	STD1068095	45782	SIMCAL10R.	04/10/12	1216
11	SSC1068079	44830	SIMSECA.D	04/10/12	1240

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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP2.D DFTPP Injection Date: 05/02/12

Instrument ID: SMSD01 DFTPP Injection Time: 0731

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	30	
68	Less than 2.0% of mass 69	0.7	(1.64)1
69	Mass 69 relative abundance	40.6	
70	Less than 2.0% of mass 69	0.2	(0.57)1
127	10.0 - 80.0% of mass 198	48.3	
197	Less than 2.0% of mass 198	0.4	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	7	
275	10.0 - 60.0% of mass 198	29.4	
365	Greater than 1.0% of mass 198	3.9	
441	0.0 - 24.0% of mass 442	12	(14.79)2
442	Greater than 50.0% of mass 198	81.3	
443	15.0 - 24.0% of mass 442	16	(19.66)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV1075969	45886	SIMCCV1.D	05/02/12	0751
2	128646MB	128646MB	9282MB.D	05/02/12	1025

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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP1.D DFTPP Injection Date: 05/03/12

Instrument ID: SMSD01 DFTPP Injection Time: 0703

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	30.5	
68	Less than 2.0% of mass 69	0.8	(1.96)1
69	Mass 69 relative abundance	41	
70	Less than 2.0% of mass 69	0.4	(0.89)1
127	10.0 - 80.0% of mass 198	49.6	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.9	
275	10.0 - 60.0% of mass 198	28.9	
365	Greater than 1.0% of mass 198	3.6	
441	0.0 - 24.0% of mass 442	11.6	(14.63)2
442	Greater than 50.0% of mass 198	79.6	
443	15.0 - 24.0% of mass 442	15.6	(19.62)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV1076397	45886	SIMCCV1.D	05/03/12	0723
2	128647LCS	128647LCS	9282LCS.D	05/03/12	0837
3	EPAFMC-SD-01	350583501	83501.D	05/03/12	1706
4	EPAFMC-SD-02	350583502	83502.D	05/03/12	1731
5	EPAFMC-SD-03	350583503	83503.D	05/03/12	1845

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP2.D DFTPP Injection Date: 05/07/12

Instrument ID: SMSD01 DFTPP Injection Time: 0735

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	36.2	
68	Less than 2.0% of mass 69	0.7	(1.62)1
69	Mass 69 relative abundance	42.7	
70	Less than 2.0% of mass 69	0.2	(0.44)1
127	10.0 - 80.0% of mass 198	49.3	
197	Less than 2.0% of mass 198	0.1	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.8	
275	10.0 - 60.0% of mass 198	28.3	
365	Greater than 1.0% of mass 198	3.5	
441	0.0 - 24.0% of mass 442	9.3	(15.02)2
442	Greater than 50.0% of mass 198	61.8	
443	15.0 - 24.0% of mass 442	12.6	(20.37)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD1078145	45403	SIMCAL1.D	05/07/12	0802
2	STD1078144	45402	SIMCAL2.D	05/07/12	0825
3	STD1078143	45401	SIMCAL3.D	05/07/12	0849
4	STD1078142	45400	SIMCAL4.D	05/07/12	0913
5	STD1078141	45399	SIMCAL5.D	05/07/12	0937
6	STD1078150	46068	SIMCAL6.D	05/07/12	1001
7	STD1078140	45397	SIMCAL7.D	05/07/12	1025
8	STD1078139	45396	SIMCAL8.D	05/07/12	1049
9	STD1078138	45395	SIMCAL9.D	05/07/12	1113
10	STD1078137	45394	SIMCAL10.D	05/07/12	1137
11	SSC1078135	44830	SIMSEC.D	05/07/12	1201

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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP1.D DFTPP Injection Date: 05/08/12

Instrument ID: SMSD01 DFTPP Injection Time: 0706

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	34.3	
68	Less than 2.0% of mass 69	0.2	(0.57)1
69	Mass 69 relative abundance	40.3	
70	Less than 2.0% of mass 69	0.2	(0.57)1
127	10.0 - 80.0% of mass 198	48.3	
197	Less than 2.0% of mass 198	0.2	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.7	
275	10.0 - 60.0% of mass 198	30.2	
365	Greater than 1.0% of mass 198	3.9	
441	0.0 - 24.0% of mass 442	11.9	(15.4)2
442	Greater than 50.0% of mass 198	77.4	
443	15.0 - 24.0% of mass 442	14.7	(19)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV1078235	46068	SIMCCV1.D	05/08/12	0726
2	EPAFMC-SD-04	350583504	83504.D	05/08/12	1133
3	EPAFMC-SD-06	350583506	83506D200.D	05/08/12	1245
4	EPAFMC-SD-05	350583505	83505D200.D	05/08/12	1309
5	EPAFMC-SD-01DL1	350583501DL1	83501D200.D	05/08/12	1333
6	EPAFMC-SD-02DL1	350583502DL1	83502D200.D	05/08/12	1808
7	EPAFMC-SD-03DL1	350583503DL1	83503D50.D	05/08/12	1832
8	EPAFMC-SD-04DL1	350583504DL1	83504D5.D	05/08/12	1856

5

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP1.D DFTPP Injection Date: 05/09/12

Instrument ID: SMSD01 DFTPP Injection Time: 0706

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	34	
68	Less than 2.0% of mass 69	0.1	(0.2)1
69	Mass 69 relative abundance	38.9	
70	Less than 2.0% of mass 69	0.3	(0.73)1
127	10.0 - 80.0% of mass 198	48	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.6	
275	10.0 - 60.0% of mass 198	29.2	
365	Greater than 1.0% of mass 198	3.7	
441	0.0 - 24.0% of mass 442	13	(15.78)2
442	Greater than 50.0% of mass 198	82.3	
443	15.0 - 24.0% of mass 442	15.8	(19.22)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV1078585	46068	SIMCCV1.D	05/09/12	0725
2	EPAFMC-SD-01MS	350583507	83507D200.D	05/09/12	1417
3	EPAFMC-SD-05DL1	350583505DL1	83505D50K.	05/09/12	1442
4	EPAFMC-SD-06DL1	350583506DL1	83506D50K.	05/09/12	1507
5	EPAFMC-SD-01SD	350583508	83508D200.D	05/09/12	1532

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): SIMCAL6.D Date Analyzed: 4/10/2012

Instrument ID: SMSD01 Time Analyzed: 9:54

GC Column: HPMS-5 ID: 0.25 (mm)

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	21723		4.34	83567		5.48	49021		7.18
	UPPER LIMIT	43446		4.84	167134		5.98	98042		7.68
	LOWER LIMIT	10861.5		3.84	41783.5		4.98	24510.5		6.68
	EPA SAMPLE NO.									
1	128646MB	18941		4.28	66321		5.44	39918		7.13
2	128647LCS	18979		4.28	67614		5.43	41547		7.12
3	EPAFMC-SD-01	19027		4.28	63349		5.43	42029		7.12
4	EPAFMC-SD-02	17748		4.27	59664		5.43	40493		7.12
5	EPAFMC-SD-03	15037		4.28	52590		5.43	35696		7.12

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): SIMCAL6.D Date Analyzed: 4/10/2012

Instrument ID: SMSD01 Time Analyzed: 9:54

GC Column: HPMS-5 ID: 0.25 (mm)

		IS4 AREA	#	RT	IS5 AREA	#	RT	IS6 AREA	#	RT
	MID CAL STD	83459		8.63	88087		11.22	84480		12.53
	UPPER LIMIT	166918		9.13	176174		11.72	168960		13.03
	LOWER LIMIT	41729.5		8.13	44043.5		10.72	42240		12.03
	EPA SAMPLE NO.									
1	128646MB	77853		8.58	88042		11.18	77238		12.48
2	128647LCS	80170		8.58	94001		11.17	85852		12.48
3	EPAFMC-SD-01	79758		8.58	136473		11.18	133117		12.49
4	EPAFMC-SD-02	76099		8.58	98899		11.19	143403		12.50
5	EPAFMC-SD-03	70005		8.58	88192		11.18	113594		12.49

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = Perylene-d12

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): SIMCAL6.D Date Analyzed: 5/7/2012

Instrument ID: SMSD01 Time Analyzed: 10:01

GC Column: HPMS-5 ID: 0.25 (mm)

		IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
	MID CAL STD	14769	4.25	54933	5.41	32728	7.11
	UPPER LIMIT	29538	4.75	109866	5.91	65456	7.61
	LOWER LIMIT	7384.5	3.75	27466.5	4.91	16364	6.61
	EPA SAMPLE NO.						
1	EPAFMC-SD-04	17824	4.25	63245	5.41	39121	7.10
2	EPAFMC-SD-06	9095	4.25	31872	5.41	23522	7.11
3	EPAFMC-SD-05	9120	4.25	32958	5.41	23965	7.11
4	EPAFMC-SD-01DL1	8655	4.25	32443	5.41	20166	7.11
5	EPAFMC-SD-02DL1	8806	4.25	33431	5.41	21035	7.11
6	EPAFMC-SD-03DL1	8380	4.25	32347	5.41	20542	7.11
7	EPAFMC-SD-04DL1	8742	4.25	32766	5.41	20923	7.11
8	EPAFMC-SD-01MS	7610	4.25	28953	5.41	18817	7.11
9	EPAFMC-SD-05DL1	8950	4.25	32787	5.41	21711	7.11
10	EPAFMC-SD-06DL1	8825	4.25	32340	5.41	21834	7.11
11	EPAFMC-SD-01SD	8818	4.25	32135	5.41	21572	7.11

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): SIMCAL6.D Date Analyzed: 5/7/2012

Instrument ID: SMSD01 Time Analyzed: 10:01

GC Column: HPMS-5 ID: 0.25 (mm)

		IS4 AREA #	RT	IS5 AREA #	RT	IS6 AREA #	RT
	MID CAL STD	58351	8.56	65441	11.15	61576	12.45
	UPPER LIMIT	116702	9.06	130882	11.65	123152	12.95
	LOWER LIMIT	29175.5	8.06	32720.5	10.65	30788	11.95
	EPA SAMPLE NO.						
1	EPAFMC-SD-04	71458	8.56	81038	11.15	82925	12.45
2	EPAFMC-SD-06	36690	8.56	44234	11.16	45594	12.47
3	EPAFMC-SD-05	36964	8.56	44267	11.16	44595	12.47
4	EPAFMC-SD-01DL1	36569	8.56	42279	11.15	42802	12.46
5	EPAFMC-SD-02DL1	39449	8.56	46447	11.15	48309	12.45
6	EPAFMC-SD-03DL1	38336	8.56	45104	11.15	45367	12.45
7	EPAFMC-SD-04DL1	39083	8.56	45090	11.15	46169	12.45
8	EPAFMC-SD-01MS	34056	8.56	41385	11.15	43584	12.46
9	EPAFMC-SD-05DL1	38511	8.56	47010	11.15	48484	12.46
10	EPAFMC-SD-06DL1	38326	8.56	46542	11.15	47079	12.46
11	EPAFMC-SD-01SD	39234	8.56	46158	11.15	45781	12.45

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = Perylene-d12

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/10/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.19 S2 : 6.52

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	DFTPP1	44847	DFTPP1.D	04/10/12	0708		
2	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/10/12	0732		
3	STD1068090	45403	SIMCAL1.D	04/10/12	0755	10.22	6.57
4	STD1068089	45402	SIMCAL2.D	04/10/12	0819	10.21	6.55
5	STD1068088	45401	SIMCAL3.D	04/10/12	0843	10.21	6.55
6	STD1068087	45400	SIMCAL4.D	04/10/12	0906	10.21	6.56
7	STD1068086	45399	SIMCAL5.D	04/10/12	0930	10.2	6.54
8	STD1068091	45772	SIMCAL6.D	04/10/12	0954	10.19	6.52
9	STD1068085	45397	SIMCAL7.D	04/10/12	1017	10.19	6.52
10	STD1068084	45396	SIMCAL8.D	04/10/12	1041	10.19	6.52
11	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/10/12	1105		
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/10/12	1129		
13	STD1068094	45779	SIMCAL9R.D	04/10/12	1153	10.19	6.51
14	STD1068095	45782	SIMCAL10R.D	04/10/12	1216	10.19	6.51
15	SSC1068079	44830	SIMSECA.D	04/10/12	1240	10.19	6.52
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/10/12	1304		
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0710		
18	DFTPP2	45777	DFTPP2.D	05/02/12	0731		
19	CCV1075969	45886	SIMCCV1.D	05/02/12	0751	10.14	6.47
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0820		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0844		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0907		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0931		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	0958		
25	128646MB	128646MB	9282MB.D	05/02/12	1025	10.15	6.48
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1049		

QC LIMITS

S1 = p-Terphenyl-d14 (+/- 0.67 MINUTES)

S2 = 2-Fluorobiphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/10/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.19 S2 : 6.52

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1113		
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1136		
29	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1200		
30	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1224		
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1248		
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1312		
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1336		
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1401		
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1425		
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1449		
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1513		
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1537		
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1602		
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1626		
41	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1650		
42	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1715		
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1739		
44	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1804		
45	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1828		
46	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1852		
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/02/12	1916		
48	DFTPP1	45777	DFTPP1.D	05/03/12	0703		
49	CCV1076397	45886	SIMCCV1.D	05/03/12	0723	10.14	6.47
50	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	0749		
51	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	0813		
52	128647LCS	128647LCS	9282LCS.D	05/03/12	0837	10.14	6.47

			QC LIMITS
S1	=	p-Terphenyl-d14	(+/- 0.67 MINUTES)
S2	=	2-Fluorobiphenyl	(+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/10/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.19 S2 : 6.52

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
53	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	0901		
54	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	0925		
55	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	0949		
56	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1012		
57	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1036		
58	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1100		
59	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1124		
60	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1149		
61	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1213		
62	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1237		
63	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1301		
64	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1325		
65	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1350		
66	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1414		
67	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1439		
68	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1503		
69	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1528		
70	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1552		
71	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1617		
72	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1642		
73	EPAFMC-SD-01	350583501	83501.D	05/03/12	1706	10.14	6.47
74	EPAFMC-SD-02	350583502	83502.D	05/03/12	1731	10.14	6.47
75	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1756		
76	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1820		
77	EPAFMC-SD-03	350583503	83503.D	05/03/12	1845	10.14	6.47
78	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/03/12	1910		

			QC LIMITS
S1	=	p-Terphenyl-d14	(+/- 0.67 MINUTES)
S2	=	2-Fluorobiphenyl	(+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 05/07/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.12 S2 : 6.45

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/07/12	0716		
2	DFTPP2	45777	DFTPP2.D	05/07/12	0735		
3	STD1078145	45403	SIMCAL1.D	05/07/12	0802	10.12	6.45
4	STD1078144	45402	SIMCAL2.D	05/07/12	0825	10.12	6.45
5	STD1078143	45401	SIMCAL3.D	05/07/12	0849	10.12	6.45
6	STD1078142	45400	SIMCAL4.D	05/07/12	0913	10.12	6.45
7	STD1078141	45399	SIMCAL5.D	05/07/12	0937	10.12	6.45
8	STD1078150	46068	SIMCAL6.D	05/07/12	1001	10.12	6.45
9	STD1078140	45397	SIMCAL7.D	05/07/12	1025	10.12	6.45
10	STD1078139	45396	SIMCAL8.D	05/07/12	1049	10.12	6.45
11	STD1078138	45395	SIMCAL9.D	05/07/12	1113	10.12	6.45
12	STD1078137	45394	SIMCAL10.D	05/07/12	1137	10.12	6.45
13	SSC1078135	44830	SIMSEC.D	05/07/12	1201	10.12	6.45
14	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/07/12	1225		
15	DFTPP1	45777	DFTPP1.D	05/08/12	0706		
16	CCV1078235	46068	SIMCCV1.D	05/08/12	0726	10.12	6.45
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	0754		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	0818		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	0906		
20	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	0932		
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	0956		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1021		
23	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1045		
24	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1109		
25	EPAFMC-SD-04	350583504	83504.D	05/08/12	1133	10.12	6.45
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1157		

QC LIMITS

S1 = p-Terphenyl-d14 (+/- 0.67 MINUTES)

S2 = 2-Fluorobiphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 05/07/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.12 S2 : 6.45

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
27	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1221				
28	EPAFMC-SD-06	350583506	83506D200.D	05/08/12	1245	0	*	0	*
29	EPAFMC-SD-05	350583505	83505D200.D	05/08/12	1309	0	*	0	*
30	EPAFMC-SD-01DL1	350583501DL1	83501D200.D	05/08/12	1333	0	*	0	*
31	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1357				
32	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1430				
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1454				
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1519				
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1543				
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1607				
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1631				
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1655				
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1719				
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/08/12	1744				
41	EPAFMC-SD-02DL1	350583502DL1	83502D200.D	05/08/12	1808	0	*	0	*
42	EPAFMC-SD-03DL1	350583503DL1	83503D50.D	05/08/12	1832	0	*	0	*
43	EPAFMC-SD-04DL1	350583504DL1	83504D5.D	05/08/12	1856	10.12		6.45	
44	DFTPP1	45777	DFTPP1.D	05/09/12	0706				
45	CCV1078585	46068	SIMCCV1.D	05/09/12	0725	10.12		6.45	
46	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0752				
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0816				
48	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0840				
49	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0904				
50	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0928				
51	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	0952				
52	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1016				

QC LIMITS

S1 = p-Terphenyl-d14 (+/- 0.67 MINUTES)

S2 = 2-Fluorobiphenyl (+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 05/07/12

Instrument ID: SMSD01

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.12 S2 : 6.45

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
53	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1040				
54	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1104				
55	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1128				
56	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1152				
57	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1216				
58	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1240				
59	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1304				
60	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1328				
61	ZZZZZZ	ZZZZZZ	ZZZZZZ	05/09/12	1352				
62	EPAFMC-SD-01MS	350583507	83507D200.D	05/09/12	1417	0	*	0	*
63	EPAFMC-SD-05DL1	350583505DL1	83505D50K.D	05/09/12	1442	0	*	0	*
64	EPAFMC-SD-06DL1	350583506DL1	83506D50K.D	05/09/12	1507	0	*	0	*
65	EPAFMC-SD-01SD	350583508	83508D200.D	05/09/12	1532	0	*	0	*

			QC LIMITS
S1	=	p-Terphenyl-d14	(+/- 0.67 MINUTES)
S2	=	2-Fluorobiphenyl	(+/- 0.43 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051 | 128647LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	24.3	19.3	79.4			49 - 127
2-Methylnaphthalene	24.3	25.3	104.0			31 - 149
Acenaphthene	24.3	24	98.8			47 - 127
Acenaphthylene	24.3	24.7	102.0			45 - 129
Anthracene	24.3	29.6	122.0			56 - 123
Benzo(a)anthracene	24.3	31.2	128.0			39 - 140
Benzo(a)pyrene	24.3	27.3	112.0			52 - 130
Benzo(b)fluoranthene	24.3	25.9	107.0			40 - 143
Benzo(g,h,i)perylene	24.3	23.6	97.1			48 - 133
Benzo(k)fluoranthene	24.3	24.7	102.0			49 - 131
Chrysene	24.3	22.2	91.4			50 - 132
Dibenzo(a,h)anthracene	24.3	26.3	108.0			51 - 130
Fluoranthene	24.3	28	115.0			46 - 135
Fluorene	24.3	26.8	110.0			52 - 125
Indeno(1,2,3-cd)pyrene	24.3	25.2	104.0			48 - 135
Naphthalene	24.3	30.9	127.0			44 - 140
Phenanthrene	24.3	28.3	116.0			48 - 131
Pyrene	24.3	22.8	93.8			45 - 133

Spike Recovery: 0 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

110512 1909

Form III

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / EPAFMC-SD-01MS

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1-Methylnaphthalene	30	120	0	0.0 D	71 - 132
2-Methylnaphthalene	30	420	0	0.0 D	54 - 145
Acenaphthene	30	1200	1900	0.0 D	57 - 119
Acenaphthylene	30	1100	4800	0.0 D	54 - 115
Anthracene	30	8600	4900	0.0 D	40 - 138
Benzo(a)anthracene	30	6800	9300	0.0 D	53 - 119
Benzo(a)pyrene	30	4800	6400	0.0 D	20 - 120
Benzo(b)fluoranthene	30	5800	8500	0.0 D	50 - 171
Benzo(g,h,i)perylene	30	1600	3600	0.0 D	50 - 150
Benzo(k)fluoranthene	30	1500	2700	0.0 D	32 - 158
Chrysene	30	3700	8200	0.0 D	34 - 140
Dibenzo(a,h)anthracene	30	930	1300	0.0 D	41 - 114
Fluoranthene	30	8500	16000	0.0 D	55 - 132
Fluorene	30	2400	1700	0.0 D	59 - 118
Indeno(1,2,3-cd)pyrene	30	1800	2900	0.0 D	19 - 122
Naphthalene	30	730	1100	0.0 D	59 - 111
Phenanthrene	30	7400	6200	0.0 D	54 - 112
Pyrene	30	4200	9800	0.0 D	55 - 123

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110512 1909

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	29	0	0.0 D		30	71 - 132
2-Methylnaphthalene	29	440	0.0 D	200.0 *	30	54 - 145
Acenaphthene	29	2200	0.0 D	12.6	30	57 - 119
Acenaphthylene	29	3400	0.0 D	33.4 *	30	54 - 115
Anthracene	29	13000	0.0 D	92.3 *	30	40 - 138
Benzo(a)anthracene	29	24000	0.0 D	89.6 *	30	53 - 119
Benzo(a)pyrene	29	15000	0.0 D	79.8 *	30	20 - 120
Benzo(b)fluoranthene	29	22000	0.0 D	86.9 *	30	50 - 171
Benzo(g,h,i)perylene	29	5800	0.0 D	48.2 *	30	50 - 150
Benzo(k)fluoranthene	29	6700	0.0 D	84.6 *	30	32 - 158
Chrysene	29	20000	0.0 D	84.1 *	30	34 - 140
Dibenzo(a,h)anthracene	29	2900	0.0 D	76.6 *	30	41 - 114
Fluoranthene	29	46000	0.0 D	97.4 *	30	55 - 132
Fluorene	29	3700	0.0 D	73.8 *	30	59 - 118
Indeno(1,2,3-cd)pyrene	29	6200	0.0 D	72.7 *	30	19 - 122
Naphthalene	29	1100	0.0 D	5.5	30	59 - 111
Phenanthrene	29	16000	0.0 D	86.4 *	30	54 - 112
Pyrene	29	29000	0.0 D	100.1 *	30	55 - 123

RPD: 15 out of 18 outside limits

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

110512 1909

8270 SIM Standards Data

110512 1909

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD01 Calibration Date Begin: 04/10/12 End: 04/10/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 755 End: 1216

Min RRF for SPCC(#) = N/A Max %RSD for CCC(*) = 15 %

LAB FILE ID: RRF0.02 =SIMCAL1.D RRF0.05 =SIMCAL2.D
RRF0.07 =SIMCAL3.D RRF0.1 =SIMCAL4.D RRF0.2 =SIMCAL5.D

COMPOUND		RRF0.02	RRF0.05	RRF0.07	RRF0.1	RRF0.2	$\overline{RRF}$	%RSD OR R^2	
1-Methylnaphthalene		0.864	0.846	0.799	0.826	0.808			
2-Methylnaphthalene		0.537	0.553	0.533	0.544	0.571			
Acenaphthene	*	1.238	1.225	1.247	1.233	1.191			*
Acenaphthylene		1.591	1.614	1.557	1.570	1.552			
Anthracene		0.746	0.662	0.721	0.740	0.785			
Benzo(a)anthracene		0.640	0.622	0.639	0.638	0.653			
Benzo(a)pyrene	*	0.667	0.675	0.669	0.714	0.751			*
Benzo(b)fluoranthene		0.764	0.771	0.805	0.800	0.799			
Benzo(g,h,i)perylene		1.041	1.020	1.048	1.042	1.040			
Benzo(k)fluoranthene		1.573	1.459	1.428	1.459	1.476			
Chrysene		1.470	1.350	1.429	1.387	1.351			
Dibenzo(a,h)anthracene		0.755	0.832	0.847	0.915	0.877			
Fluoranthene	*	1.120	0.981	0.947	0.961	1.068			*
Fluorene		1.119	1.220	1.125	1.166	1.129			
Indeno(1,2,3-cd)pyrene		0.996	1.113	1.128	1.135	1.142			
Naphthalene		1.077	1.034	1.028	1.050	1.046			
Phenanthrene		0.943	0.901	0.902	0.902	0.971			
Pyrene		1.197	1.121	1.178	1.149	1.093			
==========									
p-Terphenyl-d14(SURR)		0.765	0.729	0.765	0.765	0.757			
2-Fluorobiphenyl(SURR)		1.341	1.337	1.289	1.421	1.345			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD01 Calibration Date Begin: 04/10/12 End: 04/10/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 755 End: 1216

Min RRF for SPCC(#) = N/A Max %RSD for CCC(*) = 15 %

LAB FILE ID: RRF0.5 =SIMCAL6.D RRF0.7 =SIMCAL7.D
RRF1 =SIMCAL8.D RRF5 =SIMCAL9R.D RRF10 =SIMCAL10R.D

COMPOUND		RRF0.5	RRF0.7	RRF1	RRF5	RRF10	$\overline{RRF}$	%RSD OR R^2	
1-Methylnaphthalene		0.800	0.742	0.787	0.715	0.731	0.79195	6.2	
2-Methylnaphthalene		0.650	0.652	0.714	0.760	0.752	0.62663	14.5	
Acenaphthene	*	1.232	1.222	1.214	1.308	1.268	1.2378	2.6	*
Acenaphthylene		1.663	1.645	1.670	1.883	1.894	1.66378	7.5	
Anthracene		0.797	0.796	0.810	0.898	0.910	0.78632	9.7	
Benzo(a)anthracene		0.742	0.791	0.737	0.907		0.70768	13.5	
Benzo(a)pyrene	*	0.837	0.849	0.899	0.994		0.78373	14.9	*
Benzo(b)fluoranthene		0.938	0.894	0.927	1.118	1.107	0.89235	14.8	
Benzo(g,h,i)perylene		1.199	1.138	1.195	1.431	1.235	1.13896	11.4	
Benzo(k)fluoranthene		1.523	1.532	1.568	1.564	1.580	1.51612	3.7	
Chrysene		1.485	1.415	1.390	1.209	1.153	1.3637	7.8	
Dibenzo(a,h)anthracene		0.995	1.022	1.061	1.209		0.94593	14.7	
Fluoranthene	*	1.124	1.100	1.164	1.272	1.291	1.10271	10.8	*
Fluorene		1.190	1.156	1.240	1.392	1.377	1.21143	8.2	
Indeno(1,2,3-cd)pyrene		1.233	1.230	1.271	1.422	1.453	1.21234	11.7	
Naphthalene		1.071	1.044	1.120	1.037	1.055	1.05605	2.6	
Phenanthrene		1.013	1.007	1.062	1.135	1.137	0.99734	9.1	
Pyrene		1.103	1.132	1.070	1.075	1.065	1.11802	4.1	
==========									
p-Terphenyl-d14(SURR)		0.795	0.769	0.736	0.744	0.746	0.75703	2.5	
2-Fluorobiphenyl(SURR)		1.290	1.301	1.321	1.480	1.458	1.35833	5.1	

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD01 Calibration Date Begin: 05/07/12 End: 05/07/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 802 End: 1137

Min RRF for SPCC(#) = N/A Max %RSD for CCC(*) = 15 %

LAB FILE ID: RRF0.02 =SIMCAL1.D RRF0.05 =SIMCAL2.D
RRF0.07 =SIMCAL3.D RRF0.1 =SIMCAL4.D RRF0.2 =SIMCAL5.D

COMPOUND		RRF0.02	RRF0.05	RRF0.07	RRF0.1	RRF0.2	$\overline{RRF}$	%RSD OR R^2	
1-Methylnaphthalene		0.740	0.705	0.741	0.735	0.724			
2-Methylnaphthalene		0.705	0.665	0.670	0.669	0.672			
Acenaphthene	*	1.241	1.211	1.219	1.199	1.182			*
Acenaphthylene		1.782	1.788	1.819	1.824	1.806			
Anthracene		0.795	0.816	0.760	0.804	0.820			
Benzo(a)anthracene		1.093	1.023	0.998	0.936	0.915			
Benzo(a)pyrene	*	1.036	0.992	0.980	0.983	0.983			*
Benzo(b)fluoranthene		1.082	0.978	1.018	0.985	1.010			
Benzo(g,h,i)perylene		1.068	1.091	1.098	1.081	1.052			
Benzo(k)fluoranthene		1.377	1.442	1.382	1.411	1.302			
Chrysene		1.156	1.087	1.097	1.143	1.115			
Dibenzo(a,h)anthracene		0.947	0.957	0.905	0.948	0.955			
Fluoranthene	*	1.303	1.268	1.194	1.212	1.247			*
Fluorene		1.360	1.344	1.362	1.365	1.324			
Indeno(1,2,3-cd)pyrene		1.186	1.215	1.221	1.176	1.197			
Naphthalene		1.166	1.040	1.086	1.072	1.055			
Phenanthrene		1.128	1.100	1.035	1.045	1.058			
Pyrene		1.273	1.207	1.166	1.174	1.151			
==========									
p-Terphenyl-d14(SURR)		0.775	0.745	0.728	0.734	0.738			
2-Fluorobiphenyl(SURR)		1.494	1.457	1.425	1.448	1.417			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD01 Calibration Date Begin: 05/07/12 End: 05/07/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 802 End: 1137

Min RRF for SPCC(#) = N/A Max %RSD for CCC(*) = 15 %

LAB FILE ID: RRF0.5 =SIMCAL6.D RRF0.7 =SIMCAL7.D
RRF1 =SIMCAL8.D RRF5 =SIMCAL9.D RRF10 =SIMCAL10.D

COMPOUND		RRF0.5	RRF0.7	RRF1	RRF5	RRF10	$\overline{RRF}$	%RSD OR R^2	
1-Methylnaphthalene		0.775	0.681	0.692	0.705	0.683	0.71809	4.2	
2-Methylnaphthalene		0.742	0.672	0.665	0.753	0.724	0.69357	4.9	
Acenaphthene	*	1.267	1.177	1.193	1.188	1.175	1.20521	2.5	*
Acenaphthylene		1.954	1.808	1.767	1.831	1.794	1.81742	2.9	
Anthracene		0.894	0.838	0.828	0.854	0.841	0.82508	4.4	
Benzo(a)anthracene		1.023	0.945	0.956	1.016	1.005	0.99098	5.4	
Benzo(a)pyrene	*	1.085	1.002	1.019	1.078	1.073	1.02303	4.1	*
Benzo(b)fluoranthene		1.234	1.050	1.115	1.211	1.216	1.08998	9.1	
Benzo(g,h,i)perylene		1.202	1.083	1.125	1.163	1.140	1.11041	4.2	
Benzo(k)fluoranthene		1.413	1.385	1.360	1.316	1.252	1.36402	4.3	
Chrysene		1.220	1.096	1.133	1.090	1.069	1.12055	4	
Dibenzo(a,h)anthracene		1.106	1.018	1.026	1.105	1.091	1.00584	7.4	
Fluoranthene	*	1.360	1.281	1.263	1.299	1.260	1.26867	3.7	*
Fluorene		1.483	1.362	1.363	1.384	1.384	1.3731	3.1	
Indeno(1,2,3-cd)pyrene		1.385	1.264	1.298	1.354	1.338	1.26349	6	
Naphthalene		1.151	1.053	1.071	1.062	1.039	1.07953	4.1	
Phenanthrene		1.176	1.092	1.085	1.111	1.063	1.08933	3.9	
Pyrene		1.232	1.127	1.127	1.116	1.072	1.16438	5.1	
==========									
p-Terphenyl-d14(SURR)		0.807	0.733	0.726	0.736	0.714	0.74364	3.7	
2-Fluorobiphenyl(SURR)		1.555	1.458	1.430	1.397	1.368	1.44491	3.6	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 04/10/12 Time: 1240

CCV ID: SSC1068079 Lab File ID: SIMSECA.D Init. Calib. Date Begin: 04/10/12 End: 04/10/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.79195	0.63707	19.6	AVRG	
2-Methylnaphthalene		0.62663	0.62039	1.0	AVRG	
Acenaphthene	*	1.2378	1.09	11.9	AVRG	*
Acenaphthylene		1.66378	1.598	4.0	AVRG	
Anthracene		0.78632	0.88909	13.1	AVRG	
Benzo(a)anthracene		0.70768	0.80755	14.1	AVRG	
Benzo(a)pyrene	*	0.78373	0.80289	2.4	AVRG	*
Benzo(b)fluoranthene		0.89235	0.89937	0.8	AVRG	
Benzo(g,h,i)perylene		1.13896	0.98912	13.2	AVRG	
Benzo(k)fluoranthene		1.51612	1.348	11.1	AVRG	
Chrysene		1.3637	1.125	17.5	AVRG	
Dibenzo(a,h)anthracene		0.94593	0.89933	4.9	AVRG	
Fluoranthene	*	1.10271	0.99771	9.5	AVRG	*
Fluorene		1.21143	1.161	4.2	AVRG	
Indeno(1,2,3-cd)pyrene		1.21234	1.095	9.7	AVRG	
Naphthalene		1.05605	0.96598	8.5	AVRG	
Phenanthrene		0.99734	0.96523	3.2	AVRG	
Pyrene		1.11802	1.064	4.8	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.75703	0.72078	4.8	AVRG	
2-Fluorobiphenyl(SURR)		1.35833	1.276	6.1	AVRG	

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SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 05/02/12 Time: 0751

CCV ID: CCV1075969 Lab File ID: SIMCCV1.D Init. Calib. Date Begin: 04/10/12 End: 04/10/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.79195	0.75152	5.1	AVRG	
2-Methylnaphthalene		0.62663	0.68499	9.3	AVRG	
Acenaphthene	*	1.2378	1.179	4.8	AVRG	*
Acenaphthylene		1.66378	1.759	5.7	AVRG	
Anthracene		0.78632	0.76434	2.8	AVRG	
Benzo(a)anthracene		0.70768	0.76893	8.7	AVRG	
Benzo(a)pyrene	*	0.78373	0.86662	10.6	AVRG	*
Benzo(b)fluoranthene		0.89235	0.99863	11.9	AVRG	
Benzo(g,h,i)perylene		1.13896	1.067	6.3	AVRG	
Benzo(k)fluoranthene		1.51612	1.423	6.1	AVRG	
Chrysene		1.3637	1.135	16.8	AVRG	
Dibenzo(a,h)anthracene		0.94593	0.86992	8.0	AVRG	
Fluoranthene	*	1.10271	1.114	1.0	AVRG	*
Fluorene		1.21143	1.255	3.6	AVRG	
Indeno(1,2,3-cd)pyrene		1.21234	1.114	8.1	AVRG	
Naphthalene		1.05605	1.018	3.6	AVRG	
Phenanthrene		0.99734	0.9283	6.9	AVRG	
Pyrene		1.11802	1.007	9.9	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.75703	0.69272	8.5	AVRG	
2-Fluorobiphenyl(SURR)		1.35833	1.486	9.4	AVRG	

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SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 05/03/12 Time: 0723

CCV ID: CCV1076397 Lab File ID: SIMCCV1.D Init. Calib. Date Begin: 04/10/12 End: 04/10/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.79195	0.7374	6.9	AVRG	
2-Methylnaphthalene		0.62663	0.67067	7.0	AVRG	
Acenaphthene	*	1.2378	1.188	4.0	AVRG	*
Acenaphthylene		1.66378	1.82	9.4	AVRG	
Anthracene		0.78632	0.7584	3.6	AVRG	
Benzo(a)anthracene		0.70768	0.80275	13.4	AVRG	
Benzo(a)pyrene	*	0.78373	0.89932	14.7	AVRG	*
Benzo(b)fluoranthene		0.89235	0.89476	0.3	AVRG	
Benzo(g,h,i)perylene		1.13896	1.04	8.7	AVRG	
Benzo(k)fluoranthene		1.51612	1.481	2.3	AVRG	
Chrysene		1.3637	1.167	14.4	AVRG	
Dibenzo(a,h)anthracene		0.94593	0.89994	4.9	AVRG	
Fluoranthene	*	1.10271	1.111	0.8	AVRG	*
Fluorene		1.21143	1.274	5.2	AVRG	
Indeno(1,2,3-cd)pyrene		1.21234	1.139	6.0	AVRG	
Naphthalene		1.05605	1.029	2.6	AVRG	
Phenanthrene		0.99734	0.89949	9.8	AVRG	
Pyrene		1.11802	1.014	9.3	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.75703	0.69696	7.9	AVRG	
2-Fluorobiphenyl(SURR)		1.35833	1.482	9.1	AVRG	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 05/07/12 Time: 1201

CCV ID: SSC1078135 Lab File ID: SIMSEC.D Init. Calib. Date Begin: 05/07/12 End: 05/07/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.71809	0.59821	16.7	AVRG	
2-Methylnaphthalene		0.69357	0.63862	7.9	AVRG	
Acenaphthene	*	1.20521	1.084	10.1	AVRG	*
Acenaphthylene		1.81742	1.648	9.3	AVRG	
Anthracene		0.82508	0.96256	16.7	AVRG	
Benzo(a)anthracene		0.99098	0.93322	5.8	AVRG	
Benzo(a)pyrene	*	1.02303	0.9672	5.5	AVRG	*
Benzo(b)fluoranthene		1.08998	1.021	6.3	AVRG	
Benzo(g,h,i)perylene		1.11041	1.017	8.4	AVRG	
Benzo(k)fluoranthene		1.36402	1.267	7.1	AVRG	
Chrysene		1.12055	1.006	10.2	AVRG	
Dibenzo(a,h)anthracene		1.00584	0.93231	7.3	AVRG	
Fluoranthene	*	1.26867	1.165	8.2	AVRG	*
Fluorene		1.3731	1.28	6.8	AVRG	
Indeno(1,2,3-cd)pyrene		1.26349	1.185	6.2	AVRG	
Naphthalene		1.07953	0.96987	10.2	AVRG	
Phenanthrene		1.08933	0.99753	8.4	AVRG	
Pyrene		1.16438	1.096	5.9	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.74364	0.71696	3.6	AVRG	
2-Fluorobiphenyl(SURR)		1.44491	1.317	8.9	AVRG	

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 05/08/12 Time: 0726

CCV ID: CCV1078235 Lab File ID: SIMCCV1.D Init. Calib. Date Begin: 05/07/12 End: 05/07/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.71809	0.73203	1.9	AVRG	
2-Methylnaphthalene		0.69357	0.72998	5.2	AVRG	
Acenaphthene	*	1.20521	1.298	7.7	AVRG	*
Acenaphthylene		1.81742	1.963	8.0	AVRG	
Anthracene		0.82508	0.9328	13.1	AVRG	
Benzo(a)anthracene		0.99098	1.034	4.3	AVRG	
Benzo(a)pyrene	*	1.02303	1.051	2.7	AVRG	*
Benzo(b)fluoranthene		1.08998	1.12	2.8	AVRG	
Benzo(g,h,i)perylene		1.11041	1.148	3.4	AVRG	
Benzo(k)fluoranthene		1.36402	1.506	10.4	AVRG	
Chrysene		1.12055	1.222	9.1	AVRG	
Dibenzo(a,h)anthracene		1.00584	1.068	6.2	AVRG	
Fluoranthene	*	1.26867	1.392	9.7	AVRG	*
Fluorene		1.3731	1.528	11.3	AVRG	
Indeno(1,2,3-cd)pyrene		1.26349	1.337	5.8	AVRG	
Naphthalene		1.07953	1.165	7.9	AVRG	
Phenanthrene		1.08933	1.207	10.8	AVRG	
Pyrene		1.16438	1.225	5.2	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.74364	0.80914	8.8	AVRG	
2-Fluorobiphenyl(SURR)		1.44491	1.592	10.2	AVRG	

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SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD01 CalibrationDate: 05/09/12 Time: 0725

CCV ID: CCV1078585 Lab File ID: SIMCCV1.D Init. Calib. Date Begin: 05/07/12 End: 05/07/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = N/A Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
1-Methylnaphthalene		0.71809	0.75645	5.3	AVRG	
2-Methylnaphthalene		0.69357	0.77366	11.5	AVRG	
Acenaphthene	*	1.20521	1.296	7.5	AVRG	*
Acenaphthylene		1.81742	2.015	10.9	AVRG	
Anthracene		0.82508	0.9852	19.4	AVRG	
Benzo(a)anthracene		0.99098	1.121	13.1	AVRG	
Benzo(a)pyrene	*	1.02303	1.127	10.2	AVRG	*
Benzo(b)fluoranthene		1.08998	1.241	13.9	AVRG	
Benzo(g,h,i)perylene		1.11041	1.154	3.9	AVRG	
Benzo(k)fluoranthene		1.36402	1.389	1.8	AVRG	
Chrysene		1.12055	1.281	14.3	AVRG	
Dibenzo(a,h)anthracene		1.00584	1.098	9.2	AVRG	
Fluoranthene	*	1.26867	1.485	17.1	AVRG	*
Fluorene		1.3731	1.568	14.2	AVRG	
Indeno(1,2,3-cd)pyrene		1.26349	1.38	9.2	AVRG	
Naphthalene		1.07953	1.243	15.1	AVRG	
Phenanthrene		1.08933	1.228	12.7	AVRG	
Pyrene		1.16438	1.265	8.6	AVRG	
==========						
p-Terphenyl-d14(SURR)		0.74364	0.83283	12.0	AVRG	
2-Fluorobiphenyl(SURR)		1.44491	1.4	3.1	AVRG	

8270 Semi-Volatile Organics

110512 1909

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. The low calibration standard is 500 ug/Kg for the following analyte: Pentachlorophenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-02DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The MS and MSD were originally analyzed full, but some compounds were over the calibration range and the full runs are not reported. The MS and MSD were reanalyzed and are reported at a 2X dilution.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 23.1 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Hexachlorocyclopentadiene at 0 % with criteria of (10-119) and the following analytes were recovered above criteria: 2-Methylnaphthalene at 213 % with criteria of (33-120), Acenaphthene at 198 % with criteria of (30-135), Anthracene at 264 % with criteria of (31-121), Benzo(a)anthracene at 184 % with criteria of (30-117), Benzo(a)pyrene at 152 % with criteria of (31-121), Benzo(b)fluoranthene at 152 % with criteria of (23-128), Bis(2-ethylhexyl)phthalate at 150 % with criteria of (32-138), Carbazole at 207 % with criteria of (34-133), Chrysene at 175 % with criteria of (32-115), Dibenzofuran at 204 % with criteria of (31-123), Fluoranthene at 349 % with criteria of (29-125), Fluorene at 223 % with criteria of (25-120), Naphthalene at 638 % with criteria of (29-119), Phenanthrene at 490 % with criteria of (28-121), Pyrene at 227 % with criteria of (31-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 24.4 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Benzo(a)anthracene at 0 % with criteria of (30-117), Benzo(a)pyrene at 16.5 % with criteria of (31-121), Benzo(b)fluoranthene at 0 % with criteria of (23-128), Benzo(g,h,i)perylene at 26.5 % with criteria of (28-120), Benzo(k)fluoranthene at 11.7 % with criteria of (31-120), Chrysene at 0 % with criteria of (32-115), Fluoranthene at 0 % with criteria of (29-125), Hexachlorocyclopentadiene at 0 % with criteria of (10-119), Phenanthrene at 0 % with criteria of (28-121), Pyrene at 0 % with criteria of (31-125). The following analytes exceeded RPD criteria: 1,1'-Biphenyl at 51.5 % with criteria of (30), 2-Methylnaphthalene at 93.5 % with criteria of (30), Acenaphthene at 90.3 % with criteria of (30), Acenaphthylene at 38.1 % with criteria of (30), Anthracene at 62.1 % with criteria of (30), Benzo(a)anthracene at 52.2 % with criteria of (30), Benzo(a)pyrene at 47.9 % with criteria of (30), Benzo(b)fluoranthene at 44.9 % with criteria of (30), Benzo(g,h,i)perylene at 34 % with criteria of (30), Benzo(k)fluoranthene at 52.4 % with criteria of (30), Bis(2-ethylhexyl)phthalate at 67.2 % with criteria of (30), Carbazole at 67.4 % with criteria of (30), Chrysene at 59 % with criteria of (30), Dibenzofuran at 81.7 % with criteria of (30), Di-n-octylphthalate at 30.1 % with criteria of (30), Fluoranthene at 63 % with criteria of (30), Fluorene at 93.4 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 32.4 % with criteria of (30), Naphthalene at 146.4 % with criteria of (30), Phenanthrene at 108.5 % with criteria of (30), Pyrene at 62 % with criteria of (30).

Samples coded accordingly.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-02 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds. A further dilution of 25X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Phenanthrene, Pyrene. Both diluted runs are reported.

Sample EPAFMC-SD-03 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds.

Sample EPAFMC-SD-05 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-06 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-01 could only be brought to a final volume of 11mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 11mL final volume that is reported.

Sample EPAFMC-SD-05 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-05DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE:**
05/09/2012

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 127240LCS Analyte: Caprolactam
Reason: Split Peak
Sample: EPAFMC-SD-01 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: EPAFMC-SD-01 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-01 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01MS Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01SD Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01SD Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01SD Analyte: Fluorene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-01SD Analyte: N-Nitrosodiphenylamine
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-02DL1 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02DL1 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-02DL1 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-02DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-02DL1 Analyte: Chrysene

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Acenaphthylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-03 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-03 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-03 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-04 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-04 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-04 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-05DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-05DL1 Analyte: Chrysene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Benzo(a)pyrene

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: EPAFMC-SD-06DL1 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: SSC1072998 Analyte: Isophorone
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1073006 Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
These manual integrations have been reviewed and meet all criteria in accordance with Spectrum Analytical Inc.'s SOP regarding manual integration.

Signature: _____
Name: Mark Jacobs Title: Chemist

CHEMIST: **DATE:** **05/02/2012**

Signature: _____
Name: Brian C. Spann Title: Lab Director

SECTION LEADER:
DATE: 05/09/2012

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

110512 1909

8270 Sample Data

110512 1909

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	839	U	839	3380
108-95-2	Phenol	814	U	814	16700
95-57-8	2-Chlorophenol	864	U	864	3380
108-60-1	2,2'-Oxybis(1-chloropropane)	2750	U	2750	3380
95-48-7	2-Methylphenol	1200	U	1200	3340
67-72-1	Hexachloroethane	626	U	626	3380
621-64-7	N-Nitroso-di-n-propylamine	764	U	764	3380
106-44-5	4-Methylphenol	739	U	739	3380
98-95-3	Nitrobenzene	751	U	751	3380
78-59-1	Isophorone	739	U	739	3380
88-75-5	2-Nitrophenol	902	U	902	3380
105-67-9	2,4-Dimethylphenol	714	U	714	3340
111-91-1	Bis(2-chloroethoxy)methane	714	U	714	3340
120-83-2	2,4-Dichlorophenol	939	U	939	3340
91-20-3	Naphthalene	801	U	801	3380
106-47-8	4-Chloroaniline	789	U	789	3380
91-57-6	2-Methylnaphthalene	726	U	726	3380
87-68-3	Hexachlorobutadiene	726	U	726	3380
59-50-7	4-Chloro-3-methylphenol	701	U	701	3380
77-47-4	Hexachlorocyclopentadiene	501	U	501	8350
88-06-2	2,4,6-Trichlorophenol	851	U	851	3340
95-95-4	2,4,5-Trichlorophenol	927	U	927	3340
91-58-7	2-Chloronaphthalene	835	U	835	3380
88-74-4	2-Nitroaniline	714	U	714	3380
208-96-8	Acenaphthylene	944	J	689	3380
131-11-3	Dimethylphthalate	739	U	739	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	626	U	626	3380
83-32-9	Acenaphthene	928	J	614	3380
99-09-2	3-Nitroaniline	1000	U	1000	3340
51-28-5	2,4-Dinitrophenol	2750	U	2750	16800
132-64-9	Dibenzofuran	676	U	676	3380
121-14-2	2,4-Dinitrotoluene	614	U	614	3380
100-02-7	4-Nitrophenol	664	U	664	8350
86-73-7	Fluorene	1230	J	639	3380
7005-72-3	4-Chlorophenyl-phenylether	639	U	639	3380
84-66-2	Diethylphthalate	639	U	639	3380
100-01-6	4-Nitroaniline	1100	U	1100	3340
534-52-1	4,6-Dinitro-2-methylphenol	3330	U	3330	3380
86-30-6	N-Nitrosodiphenylamine	789	U	789	3340
101-55-3	4-Bromophenyl-phenylether	614	U	614	3380
118-74-1	Hexachlorobenzene	664	U	664	3340
87-86-5	Pentachlorophenol	1660	U	1660	3380
85-01-8	Phenanthrene	6590		701	3380
120-12-7	Anthracene	2860	J	751	3380
84-74-2	Di-n-butylphthalate	551	U	551	3380
206-44-0	Fluoranthene	13700		601	3380
129-00-0	Pyrene	10600		1150	3380
85-68-7	Butylbenzylphthalate	789	U	789	3380
91-94-1	3,3'-Dichlorobenzidine	739	U	739	3380
56-55-3	Benzo(a)anthracene	7390		714	3380
218-01-9	Chrysene	7300		426	3340
117-81-7	Bis(2-ethylhexyl)phthalate	1040	U	1040	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	726	U	726	3380
205-99-2	Benzo(b)fluoranthene	7130		789	3380
207-08-9	Benzo(k)fluoranthene	3050	J	714	3380
50-32-8	Benzo(a)pyrene	4520		538	3380
193-39-5	Indeno(1,2,3-cd)pyrene	2070	J	651	3380
53-70-3	Dibenzo(a,h)anthracene	818	J	513	3380
191-24-2	Benzo(g,h,i)perylene	2220	J	501	3380
98-86-2	Acetophenone	1250	U	1250	3380
95-94-3	1,2,4,5-Tetrachlorobenzene	588	U	588	3380
86-74-8	Carbazole	676	U	676	3380
105-60-2	Caprolactam	1750	U	1750	3380
92-52-4	1,1'-Biphenyl	764	U	764	3380
1912-24-9	Atrazine	989	U	989	3380
100-52-7	Benzaldehyde	563	U	563	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	328	U	328	1320
108-95-2	Phenol	318	U	318	6530
95-57-8	2-Chlorophenol	338	U	338	1320
108-60-1	2,2'-Oxybis(1-chloropropane)	1080	U	1080	1320
95-48-7	2-Methylphenol	470	U	470	1310
67-72-1	Hexachloroethane	245	U	245	1320
621-64-7	N-Nitroso-di-n-propylamine	299	U	299	1320
106-44-5	4-Methylphenol	289	U	289	1320
98-95-3	Nitrobenzene	294	U	294	1320
78-59-1	Isophorone	289	U	289	1320
88-75-5	2-Nitrophenol	353	U	353	1320
105-67-9	2,4-Dimethylphenol	279	U	279	1310
111-91-1	Bis(2-chloroethoxy)methane	279	U	279	1310
120-83-2	2,4-Dichlorophenol	367	U	367	1310
91-20-3	Naphthalene	2350		313	1320
106-47-8	4-Chloroaniline	308	U	308	1320
91-57-6	2-Methylnaphthalene	1720		284	1320
87-68-3	Hexachlorobutadiene	284	U	284	1320
59-50-7	4-Chloro-3-methylphenol	274	U	274	1320
77-47-4	Hexachlorocyclopentadiene	196	U	196	3270
88-06-2	2,4,6-Trichlorophenol	333	U	333	1310
95-95-4	2,4,5-Trichlorophenol	362	U	362	1310
91-58-7	2-Chloronaphthalene	327	U	327	1320
88-74-4	2-Nitroaniline	279	U	279	1320
208-96-8	Acenaphthylene	2810		269	1320
131-11-3	Dimethylphthalate	289	U	289	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	245	U	245	1320
83-32-9	Acenaphthene	8020		240	1320
99-09-2	3-Nitroaniline	392	U	392	1310
51-28-5	2,4-Dinitrophenol	1080	U	1080	6560
132-64-9	Dibenzofuran	4920		264	1320
121-14-2	2,4-Dinitrotoluene	240	U	240	1320
100-02-7	4-Nitrophenol	260	U	260	3270
86-73-7	Fluorene	11800		250	1320
7005-72-3	4-Chlorophenyl-phenylether	250	U	250	1320
84-66-2	Diethylphthalate	250	U	250	1320
100-01-6	4-Nitroaniline	431	U	431	1310
534-52-1	4,6-Dinitro-2-methylphenol	1300	U	1300	1320
86-30-6	N-Nitrosodiphenylamine	308	U	308	1310
101-55-3	4-Bromophenyl-phenylether	240	U	240	1320
118-74-1	Hexachlorobenzene	260	U	260	1310
87-86-5	Pentachlorophenol	651	U	651	1320
85-01-8	Phenanthrene	40900	E	274	1320
120-12-7	Anthracene	31100	E	294	1320
84-74-2	Di-n-butylphthalate	216	U	216	1320
206-44-0	Fluoranthene	42200	E	235	1320
129-00-0	Pyrene	28900	E	451	1320
85-68-7	Butylbenzylphthalate	308	U	308	1320
91-94-1	3,3'-Dichlorobenzidine	289	U	289	1320
56-55-3	Benzo(a)anthracene	19600		279	1320
218-01-9	Chrysene	20300		166	1310
117-81-7	Bis(2-ethylhexyl)phthalate	406	U	406	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	284	U	284	1320
205-99-2	Benzo(b)fluoranthene	22500		308	1320
207-08-9	Benzo(k)fluoranthene	9520		279	1320
50-32-8	Benzo(a)pyrene	14500		211	1320
193-39-5	Indeno(1,2,3-cd)pyrene	4940		255	1320
53-70-3	Dibenzo(a,h)anthracene	2300		201	1320
191-24-2	Benzo(g,h,i)perylene	5060		196	1320
98-86-2	Acetophenone	490	U	490	1320
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	1320
86-74-8	Carbazole	6390		264	1320
105-60-2	Caprolactam	686	U	686	1320
92-52-4	1,1'-Biphenyl	645	J	299	1320
1912-24-9	Atrazine	387	U	387	1320
100-52-7	Benzaldehyde	220	U	220	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	1640	U	1640	6610
108-95-2	Phenol	1590	U	1590	32700
95-57-8	2-Chlorophenol	1690	U	1690	6610
108-60-1	2,2'-Oxybis(1-chloropropane)	5390	U	5390	6610
95-48-7	2-Methylphenol	2350	U	2350	6540
67-72-1	Hexachloroethane	1220	U	1220	6610
621-64-7	N-Nitroso-di-n-propylamine	1490	U	1490	6610
106-44-5	4-Methylphenol	1440	U	1440	6610
98-95-3	Nitrobenzene	1470	U	1470	6610
78-59-1	Isophorone	1440	U	1440	6610
88-75-5	2-Nitrophenol	1760	U	1760	6610
105-67-9	2,4-Dimethylphenol	1400	U	1400	6540
111-91-1	Bis(2-chloroethoxy)methane	1400	U	1400	6540
120-83-2	2,4-Dichlorophenol	1840	U	1840	6540
91-20-3	Naphthalene	2150	J	1570	6610
106-47-8	4-Chloroaniline	1540	U	1540	6610
91-57-6	2-Methylnaphthalene	1460	J	1420	6610
87-68-3	Hexachlorobutadiene	1420	U	1420	6610
59-50-7	4-Chloro-3-methylphenol	1370	U	1370	6610
77-47-4	Hexachlorocyclopentadiene	980	U	980	16300
88-06-2	2,4,6-Trichlorophenol	1660	U	1660	6540
95-95-4	2,4,5-Trichlorophenol	1810	U	1810	6540
91-58-7	2-Chloronaphthalene	1630	U	1630	6610
88-74-4	2-Nitroaniline	1400	U	1400	6610
208-96-8	Acenaphthylene	2660	J	1350	6610
131-11-3	Dimethylphthalate	1440	U	1440	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	1220	U	1220	6610
83-32-9	Acenaphthene	7220		1200	6610
99-09-2	3-Nitroaniline	1960	U	1960	6540
51-28-5	2,4-Dinitrophenol	5390	U	5390	32800
132-64-9	Dibenzofuran	4670	J	1320	6610
121-14-2	2,4-Dinitrotoluene	1200	U	1200	6610
100-02-7	4-Nitrophenol	1300	U	1300	16300
86-73-7	Fluorene	10300		1250	6610
7005-72-3	4-Chlorophenyl-phenylether	1250	U	1250	6610
84-66-2	Diethylphthalate	1250	U	1250	6610
100-01-6	4-Nitroaniline	2160	U	2160	6540
534-52-1	4,6-Dinitro-2-methylphenol	6510	U	6510	6610
86-30-6	N-Nitrosodiphenylamine	1540	U	1540	6540
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	6610
118-74-1	Hexachlorobenzene	1300	U	1300	6540
87-86-5	Pentachlorophenol	3260	U	3260	6610
85-01-8	Phenanthrene	40900		1370	6610
120-12-7	Anthracene	28200		1470	6610
84-74-2	Di-n-butylphthalate	1080	U	1080	6610
206-44-0	Fluoranthene	44700		1180	6610
129-00-0	Pyrene	32800		2250	6610
85-68-7	Butylbenzylphthalate	1540	U	1540	6610
91-94-1	3,3'-Dichlorobenzidine	1440	U	1440	6610
56-55-3	Benzo(a)anthracene	22100		1400	6610
218-01-9	Chrysene	23700		833	6540
117-81-7	Bis(2-ethylhexyl)phthalate	2030	U	2030	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	1420	U	1420	6610
205-99-2	Benzo(b)fluoranthene	20500		1540	6610
207-08-9	Benzo(k)fluoranthene	7620		1400	6610
50-32-8	Benzo(a)pyrene	13400		1050	6610
193-39-5	Indeno(1,2,3-cd)pyrene	5080	J	1270	6610
53-70-3	Dibenzo(a,h)anthracene	2160	J	1000	6610
191-24-2	Benzo(g,h,i)perylene	5270	J	980	6610
98-86-2	Acetophenone	2450	U	2450	6610
95-94-3	1,2,4,5-Tetrachlorobenzene	1150	U	1150	6610
86-74-8	Carbazole	6000	J	1320	6610
105-60-2	Caprolactam	3430	U	3430	6610
92-52-4	1,1'-Biphenyl	1490	U	1490	6610
1912-24-9	Atrazine	1930	U	1930	6610
100-52-7	Benzaldehyde	1100	U	1100	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	144	U	144	581
108-95-2	Phenol	140	U	140	2870
95-57-8	2-Chlorophenol	148	U	148	581
108-60-1	2,2'-Oxybis(1-chloropropane)	473	U	473	581
95-48-7	2-Methylphenol	206	U	206	574
67-72-1	Hexachloroethane	108	U	108	581
621-64-7	N-Nitroso-di-n-propylamine	131	U	131	581
106-44-5	4-Methylphenol	127	U	127	581
98-95-3	Nitrobenzene	129	U	129	581
78-59-1	Isophorone	127	U	127	581
88-75-5	2-Nitrophenol	155	U	155	581
105-67-9	2,4-Dimethylphenol	123	U	123	574
111-91-1	Bis(2-chloroethoxy)methane	123	U	123	574
120-83-2	2,4-Dichlorophenol	161	U	161	574
91-20-3	Naphthalene	301	J	138	581
106-47-8	4-Chloroaniline	136	U	136	581
91-57-6	2-Methylnaphthalene	125	U	125	581
87-68-3	Hexachlorobutadiene	125	U	125	581
59-50-7	4-Chloro-3-methylphenol	120	U	120	581
77-47-4	Hexachlorocyclopentadiene	86.1	U	86.1	1440
88-06-2	2,4,6-Trichlorophenol	146	U	146	574
95-95-4	2,4,5-Trichlorophenol	159	U	159	574
91-58-7	2-Chloronaphthalene	144	U	144	581
88-74-4	2-Nitroaniline	123	U	123	581
208-96-8	Acenaphthylene	671		118	581
131-11-3	Dimethylphthalate	127	U	127	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	108	U	108	581
83-32-9	Acenaphthene	185	J	105	581
99-09-2	3-Nitroaniline	172	U	172	574
51-28-5	2,4-Dinitrophenol	473	U	473	2880
132-64-9	Dibenzofuran	128	J	116	581
121-14-2	2,4-Dinitrotoluene	105	U	105	581
100-02-7	4-Nitrophenol	114	U	114	1440
86-73-7	Fluorene	352	J	110	581
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	581
84-66-2	Diethylphthalate	110	U	110	581
100-01-6	4-Nitroaniline	189	U	189	574
534-52-1	4,6-Dinitro-2-methylphenol	572	U	572	581
86-30-6	N-Nitrosodiphenylamine	136	U	136	574
101-55-3	4-Bromophenyl-phenylether	105	U	105	581
118-74-1	Hexachlorobenzene	114	U	114	574
87-86-5	Pentachlorophenol	286	U	286	581
85-01-8	Phenanthrene	1930		120	581
120-12-7	Anthracene	1360		129	581
84-74-2	Di-n-butylphthalate	94.7	U	94.7	581
206-44-0	Fluoranthene	7610		103	581
129-00-0	Pyrene	5660		198	581
85-68-7	Butylbenzylphthalate	136	U	136	581
91-94-1	3,3'-Dichlorobenzidine	127	U	127	581
56-55-3	Benzo(a)anthracene	4580		123	581
218-01-9	Chrysene	4620		73.2	574
117-81-7	Bis(2-ethylhexyl)phthalate	179	U	179	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	125	U	125	581
205-99-2	Benzo(b)fluoranthene	4860		136	581
207-08-9	Benzo(k)fluoranthene	2450		123	581
50-32-8	Benzo(a)pyrene	3370		92.5	581
193-39-5	Indeno(1,2,3-cd)pyrene	1310		112	581
53-70-3	Dibenzo(a,h)anthracene	557	J	88.2	581
191-24-2	Benzo(g,h,i)perylene	1300		86.1	581
98-86-2	Acetophenone	215	U	215	581
95-94-3	1,2,4,5-Tetrachlorobenzene	101	U	101	581
86-74-8	Carbazole	239	J	116	581
105-60-2	Caprolactam	301	U	301	581
92-52-4	1,1'-Biphenyl	131	U	131	581
1912-24-9	Atrazine	170	U	170	581
100-52-7	Benzaldehyde	96.8	U	96.8	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	85.7	U	85.7	345
108-95-2	Phenol	83.1	U	83.1	1700
95-57-8	2-Chlorophenol	88.2	U	88.2	345
108-60-1	2,2'-Oxybis(1-chloropropane)	281	U	281	345
95-48-7	2-Methylphenol	123	U	123	341
67-72-1	Hexachloroethane	63.9	U	63.9	345
621-64-7	N-Nitroso-di-n-propylamine	78	U	78	345
106-44-5	4-Methylphenol	75.4	U	75.4	345
98-95-3	Nitrobenzene	76.7	U	76.7	345
78-59-1	Isophorone	75.4	U	75.4	345
88-75-5	2-Nitrophenol	92	U	92	345
105-67-9	2,4-Dimethylphenol	72.9	U	72.9	341
111-91-1	Bis(2-chloroethoxy)methane	72.9	U	72.9	341
120-83-2	2,4-Dichlorophenol	95.9	U	95.9	341
91-20-3	Naphthalene	95.3	J	81.8	345
106-47-8	4-Chloroaniline	80.6	U	80.6	345
91-57-6	2-Methylnaphthalene	74.2	U	74.2	345
87-68-3	Hexachlorobutadiene	74.2	U	74.2	345
59-50-7	4-Chloro-3-methylphenol	71.6	U	71.6	345
77-47-4	Hexachlorocyclopentadiene	51.1	U	51.1	853
88-06-2	2,4,6-Trichlorophenol	86.9	U	86.9	341
95-95-4	2,4,5-Trichlorophenol	94.6	U	94.6	341
91-58-7	2-Chloronaphthalene	85.3	U	85.3	345
88-74-4	2-Nitroaniline	72.9	U	72.9	345
208-96-8	Acenaphthylene	161	J	70.3	345
131-11-3	Dimethylphthalate	75.4	U	75.4	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	63.9	U	63.9	345
83-32-9	Acenaphthene	62.6	U	62.6	345
99-09-2	3-Nitroaniline	102	U	102	341
51-28-5	2,4-Dinitrophenol	281	U	281	1710
132-64-9	Dibenzofuran	69	U	69	345
121-14-2	2,4-Dinitrotoluene	62.6	U	62.6	345
100-02-7	4-Nitrophenol	67.8	U	67.8	853
86-73-7	Fluorene	107	J	65.2	345
7005-72-3	4-Chlorophenyl-phenylether	65.2	U	65.2	345
84-66-2	Diethylphthalate	65.2	U	65.2	345
100-01-6	4-Nitroaniline	112	U	112	341
534-52-1	4,6-Dinitro-2-methylphenol	340	U	340	345
86-30-6	N-Nitrosodiphenylamine	80.6	U	80.6	341
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	345
118-74-1	Hexachlorobenzene	67.8	U	67.8	341
87-86-5	Pentachlorophenol	170	U	170	345
85-01-8	Phenanthrene	1240		71.6	345
120-12-7	Anthracene	328	J	76.7	345
84-74-2	Di-n-butylphthalate	56.2	U	56.2	345
206-44-0	Fluoranthene	2370		61.4	345
129-00-0	Pyrene	1920		118	345
85-68-7	Butylbenzylphthalate	80.6	U	80.6	345
91-94-1	3,3'-Dichlorobenzidine	75.4	U	75.4	345
56-55-3	Benzo(a)anthracene	986		72.9	345
218-01-9	Chrysene	1000		43.5	341
117-81-7	Bis(2-ethylhexyl)phthalate	106	U	106	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	74.2	U	74.2	345
205-99-2	Benzo(b)fluoranthene	1130		80.6	345
207-08-9	Benzo(k)fluoranthene	478		72.9	345
50-32-8	Benzo(a)pyrene	759		55	345
193-39-5	Indeno(1,2,3-cd)pyrene	386		66.5	345
53-70-3	Dibenzo(a,h)anthracene	120	J	52.4	345
191-24-2	Benzo(g,h,i)perylene	467		51.1	345
98-86-2	Acetophenone	128	U	128	345
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	345
86-74-8	Carbazole	69	U	69	345
105-60-2	Caprolactam	179	U	179	345
92-52-4	1,1'-Biphenyl	78	U	78	345
1912-24-9	Atrazine	101	U	101	345
100-52-7	Benzaldehyde	57.5	U	57.5	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	47100	U	47100	190000
108-95-2	Phenol	45700	U	45700	938000
95-57-8	2-Chlorophenol	48500	U	48500	190000
108-60-1	2,2'-Oxybis(1-chloropropane)	155000	U	155000	190000
95-48-7	2-Methylphenol	67500	U	67500	188000
67-72-1	Hexachloroethane	35100	U	35100	190000
621-64-7	N-Nitroso-di-n-propylamine	42900	U	42900	190000
106-44-5	4-Methylphenol	41500	U	41500	190000
98-95-3	Nitrobenzene	42200	U	42200	190000
78-59-1	Isophorone	41500	U	41500	190000
88-75-5	2-Nitrophenol	50600	U	50600	190000
105-67-9	2,4-Dimethylphenol	40100	U	40100	188000
111-91-1	Bis(2-chloroethoxy)methane	40100	U	40100	188000
120-83-2	2,4-Dichlorophenol	52700	U	52700	188000
91-20-3	Naphthalene	7310000	E	45000	190000
106-47-8	4-Chloroaniline	44300	U	44300	190000
91-57-6	2-Methylnaphthalene	2180000		40800	190000
87-68-3	Hexachlorobutadiene	40800	U	40800	190000
59-50-7	4-Chloro-3-methylphenol	39400	U	39400	190000
77-47-4	Hexachlorocyclopentadiene	28100	U	28100	469000
88-06-2	2,4,6-Trichlorophenol	47800	U	47800	188000
95-95-4	2,4,5-Trichlorophenol	52000	U	52000	188000
91-58-7	2-Chloronaphthalene	46900	U	46900	190000
88-74-4	2-Nitroaniline	40100	U	40100	190000
208-96-8	Acenaphthylene	309000		38600	190000
131-11-3	Dimethylphthalate	41500	U	41500	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	35100	U	35100	190000
83-32-9	Acenaphthene	2320000		34400	190000
99-09-2	3-Nitroaniline	56200	U	56200	188000
51-28-5	2,4-Dinitrophenol	155000	U	155000	942000
132-64-9	Dibenzofuran	1610000		38000	190000
121-14-2	2,4-Dinitrotoluene	34400	U	34400	190000
100-02-7	4-Nitrophenol	37200	U	37200	469000
86-73-7	Fluorene	2610000		35800	190000
7005-72-3	4-Chlorophenyl-phenylether	35800	U	35800	190000
84-66-2	Diethylphthalate	35800	U	35800	190000
100-01-6	4-Nitroaniline	61800	U	61800	188000
534-52-1	4,6-Dinitro-2-methylphenol	187000	U	187000	190000
86-30-6	N-Nitrosodiphenylamine	44300	U	44300	188000
101-55-3	4-Bromophenyl-phenylether	34400	U	34400	190000
118-74-1	Hexachlorobenzene	37200	U	37200	188000
87-86-5	Pentachlorophenol	93500	U	93500	190000
85-01-8	Phenanthrene	5960000	E	39400	190000
120-12-7	Anthracene	3680000	E	42200	190000
84-74-2	Di-n-butylphthalate	30900	U	30900	190000
206-44-0	Fluoranthene	4100000	E	33700	190000
129-00-0	Pyrene	2700000		64700	190000
85-68-7	Butylbenzylphthalate	44300	U	44300	190000
91-94-1	3,3'-Dichlorobenzidine	41500	U	41500	190000
56-55-3	Benzo(a)anthracene	1740000		40100	190000
218-01-9	Chrysene	1920000		23900	188000
117-81-7	Bis(2-ethylhexyl)phthalate	58300	U	58300	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	40800	U	40800	190000
205-99-2	Benzo(b)fluoranthene	1470000		44300	190000
207-08-9	Benzo(k)fluoranthene	777000		40100	190000
50-32-8	Benzo(a)pyrene	1050000		30200	190000
193-39-5	Indeno(1,2,3-cd)pyrene	367000		36600	190000
53-70-3	Dibenzo(a,h)anthracene	168000	J	28800	190000
191-24-2	Benzo(g,h,i)perylene	369000		28100	190000
98-86-2	Acetophenone	70300	U	70300	190000
95-94-3	1,2,4,5-Tetrachlorobenzene	33000	U	33000	190000
86-74-8	Carbazole	1640000		38000	190000
105-60-2	Caprolactam	98400	U	98400	190000
92-52-4	1,1'-Biphenyl	317000		42900	190000
1912-24-9	Atrazine	55500	U	55500	190000
100-52-7	Benzaldehyde	31600	U	31600	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	235000	U	235000	949000
108-95-2	Phenol	228000	U	228000	4690000
95-57-8	2-Chlorophenol	242000	U	242000	949000
108-60-1	2,2'-Oxybis(1-chloropropane)	773000	U	773000	949000
95-48-7	2-Methylphenol	337000	U	337000	938000
67-72-1	Hexachloroethane	176000	U	176000	949000
621-64-7	N-Nitroso-di-n-propylamine	214000	U	214000	949000
106-44-5	4-Methylphenol	207000	U	207000	949000
98-95-3	Nitrobenzene	211000	U	211000	949000
78-59-1	Isophorone	207000	U	207000	949000
88-75-5	2-Nitrophenol	253000	U	253000	949000
105-67-9	2,4-Dimethylphenol	200000	U	200000	938000
111-91-1	Bis(2-chloroethoxy)methane	200000	U	200000	938000
120-83-2	2,4-Dichlorophenol	264000	U	264000	938000
91-20-3	Naphthalene	11900000		225000	949000
106-47-8	4-Chloroaniline	221000	U	221000	949000
91-57-6	2-Methylnaphthalene	2950000		204000	949000
87-68-3	Hexachlorobutadiene	204000	U	204000	949000
59-50-7	4-Chloro-3-methylphenol	197000	U	197000	949000
77-47-4	Hexachlorocyclopentadiene	140000	U	140000	2340000
88-06-2	2,4,6-Trichlorophenol	239000	U	239000	938000
95-95-4	2,4,5-Trichlorophenol	260000	U	260000	938000
91-58-7	2-Chloronaphthalene	234000	U	234000	949000
88-74-4	2-Nitroaniline	200000	U	200000	949000
208-96-8	Acenaphthylene	193000	U	193000	949000
131-11-3	Dimethylphthalate	207000	U	207000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	176000	U	176000	949000
83-32-9	Acenaphthene	3020000		172000	949000
99-09-2	3-Nitroaniline	281000	U	281000	938000
51-28-5	2,4-Dinitrophenol	773000	U	773000	4710000
132-64-9	Dibenzofuran	2180000		190000	949000
121-14-2	2,4-Dinitrotoluene	172000	U	172000	949000
100-02-7	4-Nitrophenol	186000	U	186000	2340000
86-73-7	Fluorene	3380000		179000	949000
7005-72-3	4-Chlorophenyl-phenylether	179000	U	179000	949000
84-66-2	Diethylphthalate	179000	U	179000	949000
100-01-6	4-Nitroaniline	309000	U	309000	938000
534-52-1	4,6-Dinitro-2-methylphenol	935000	U	935000	949000
86-30-6	N-Nitrosodiphenylamine	221000	U	221000	938000
101-55-3	4-Bromophenyl-phenylether	172000	U	172000	949000
118-74-1	Hexachlorobenzene	186000	U	186000	938000
87-86-5	Pentachlorophenol	467000	U	467000	949000
85-01-8	Phenanthrene	10200000		197000	949000
120-12-7	Anthracene	5220000		211000	949000
84-74-2	Di-n-butylphthalate	155000	U	155000	949000
206-44-0	Fluoranthene	6260000		169000	949000
129-00-0	Pyrene	4180000		323000	949000
85-68-7	Butylbenzylphthalate	221000	U	221000	949000
91-94-1	3,3'-Dichlorobenzidine	207000	U	207000	949000
56-55-3	Benzo(a)anthracene	2670000		200000	949000
218-01-9	Chrysene	3100000		119000	938000
117-81-7	Bis(2-ethylhexyl)phthalate	292000	U	292000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	204000	U	204000	949000
205-99-2	Benzo(b)fluoranthene	2050000		221000	949000
207-08-9	Benzo(k)fluoranthene	948000	J	200000	949000
50-32-8	Benzo(a)pyrene	1460000		151000	949000
193-39-5	Indeno(1,2,3-cd)pyrene	578000	J	183000	949000
53-70-3	Dibenzo(a,h)anthracene	269000	J	144000	949000
191-24-2	Benzo(g,h,i)perylene	575000	J	140000	949000
98-86-2	Acetophenone	351000	U	351000	949000
95-94-3	1,2,4,5-Tetrachlorobenzene	165000	U	165000	949000
86-74-8	Carbazole	2280000		190000	949000
105-60-2	Caprolactam	492000	U	492000	949000
92-52-4	1,1'-Biphenyl	450000	J	214000	949000
1912-24-9	Atrazine	278000	U	278000	949000
100-52-7	Benzaldehyde	158000	U	158000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	54100	U	54100	218000
108-95-2	Phenol	52500	U	52500	1080000
95-57-8	2-Chlorophenol	55700	U	55700	218000
108-60-1	2,2'-Oxybis(1-chloropropane)	178000	U	178000	218000
95-48-7	2-Methylphenol	77500	U	77500	216000
67-72-1	Hexachloroethane	40400	U	40400	218000
621-64-7	N-Nitroso-di-n-propylamine	49300	U	49300	218000
106-44-5	4-Methylphenol	47600	U	47600	218000
98-95-3	Nitrobenzene	48400	U	48400	218000
78-59-1	Isophorone	47600	U	47600	218000
88-75-5	2-Nitrophenol	58100	U	58100	218000
105-67-9	2,4-Dimethylphenol	46000	U	46000	216000
111-91-1	Bis(2-chloroethoxy)methane	46000	U	46000	216000
120-83-2	2,4-Dichlorophenol	60600	U	60600	216000
91-20-3	Naphthalene	7120000	E	51700	218000
106-47-8	4-Chloroaniline	50900	U	50900	218000
91-57-6	2-Methylnaphthalene	2040000		46800	218000
87-68-3	Hexachlorobutadiene	46800	U	46800	218000
59-50-7	4-Chloro-3-methylphenol	45200	U	45200	218000
77-47-4	Hexachlorocyclopentadiene	32300	U	32300	539000
88-06-2	2,4,6-Trichlorophenol	54900	U	54900	216000
95-95-4	2,4,5-Trichlorophenol	59800	U	59800	216000
91-58-7	2-Chloronaphthalene	53900	U	53900	218000
88-74-4	2-Nitroaniline	46000	U	46000	218000
208-96-8	Acenaphthylene	364000		44400	218000
131-11-3	Dimethylphthalate	47600	U	47600	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	40400	U	40400	218000
83-32-9	Acenaphthene	2480000		39600	218000
99-09-2	3-Nitroaniline	64600	U	64600	216000
51-28-5	2,4-Dinitrophenol	178000	U	178000	1080000
132-64-9	Dibenzofuran	1630000		43600	218000
121-14-2	2,4-Dinitrotoluene	39600	U	39600	218000
100-02-7	4-Nitrophenol	42800	U	42800	539000
86-73-7	Fluorene	2690000		41200	218000
7005-72-3	4-Chlorophenyl-phenylether	41200	U	41200	218000
84-66-2	Diethylphthalate	41200	U	41200	218000
100-01-6	4-Nitroaniline	71100	U	71100	216000
534-52-1	4,6-Dinitro-2-methylphenol	215000	U	215000	218000
86-30-6	N-Nitrosodiphenylamine	50900	U	50900	216000
101-55-3	4-Bromophenyl-phenylether	39600	U	39600	218000
118-74-1	Hexachlorobenzene	42800	U	42800	216000
87-86-5	Pentachlorophenol	107000	U	107000	218000
85-01-8	Phenanthrene	6610000	E	45200	218000
120-12-7	Anthracene	3200000		48400	218000
84-74-2	Di-n-butylphthalate	35500	U	35500	218000
206-44-0	Fluoranthene	4570000	E	38800	218000
129-00-0	Pyrene	3030000		74300	218000
85-68-7	Butylbenzylphthalate	50900	U	50900	218000
91-94-1	3,3'-Dichlorobenzidine	47600	U	47600	218000
56-55-3	Benzo(a)anthracene	1950000		46000	218000
218-01-9	Chrysene	1970000		27400	216000
117-81-7	Bis(2-ethylhexyl)phthalate	67000	U	67000	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	46800	U	46800	218000
205-99-2	Benzo(b)fluoranthene	1800000		50900	218000
207-08-9	Benzo(k)fluoranthene	794000		46000	218000
50-32-8	Benzo(a)pyrene	1230000		34700	218000
193-39-5	Indeno(1,2,3-cd)pyrene	410000		42000	218000
53-70-3	Dibenzo(a,h)anthracene	189000	J	33100	218000
191-24-2	Benzo(g,h,i)perylene	418000		32300	218000
98-86-2	Acetophenone	80800	U	80800	218000
95-94-3	1,2,4,5-Tetrachlorobenzene	38000	U	38000	218000
86-74-8	Carbazole	1370000		43600	218000
105-60-2	Caprolactam	113000	U	113000	218000
92-52-4	1,1'-Biphenyl	330000		49300	218000
1912-24-9	Atrazine	63800	U	63800	218000
100-52-7	Benzaldehyde	36300	U	36300	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	270000	U	270000	1090000
108-95-2	Phenol	262000	U	262000	5390000
95-57-8	2-Chlorophenol	279000	U	279000	1090000
108-60-1	2,2'-Oxybis(1-chloropropane)	888000	U	888000	1090000
95-48-7	2-Methylphenol	388000	U	388000	1080000
67-72-1	Hexachloroethane	202000	U	202000	1090000
621-64-7	N-Nitroso-di-n-propylamine	246000	U	246000	1090000
106-44-5	4-Methylphenol	238000	U	238000	1090000
98-95-3	Nitrobenzene	242000	U	242000	1090000
78-59-1	Isophorone	238000	U	238000	1090000
88-75-5	2-Nitrophenol	291000	U	291000	1090000
105-67-9	2,4-Dimethylphenol	230000	U	230000	1080000
111-91-1	Bis(2-chloroethoxy)methane	230000	U	230000	1080000
120-83-2	2,4-Dichlorophenol	303000	U	303000	1080000
91-20-3	Naphthalene	11700000		258000	1090000
106-47-8	4-Chloroaniline	254000	U	254000	1090000
91-57-6	2-Methylnaphthalene	2950000		234000	1090000
87-68-3	Hexachlorobutadiene	234000	U	234000	1090000
59-50-7	4-Chloro-3-methylphenol	226000	U	226000	1090000
77-47-4	Hexachlorocyclopentadiene	162000	U	162000	2690000
88-06-2	2,4,6-Trichlorophenol	274000	U	274000	1080000
95-95-4	2,4,5-Trichlorophenol	299000	U	299000	1080000
91-58-7	2-Chloronaphthalene	269000	U	269000	1090000
88-74-4	2-Nitroaniline	230000	U	230000	1090000
208-96-8	Acenaphthylene	558000	J	222000	1090000
131-11-3	Dimethylphthalate	238000	U	238000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	202000	U	202000	1090000
83-32-9	Acenaphthene	3240000		198000	1090000
99-09-2	3-Nitroaniline	323000	U	323000	1080000
51-28-5	2,4-Dinitrophenol	888000	U	888000	5410000
132-64-9	Dibenzofuran	2380000		218000	1090000
121-14-2	2,4-Dinitrotoluene	198000	U	198000	1090000
100-02-7	4-Nitrophenol	214000	U	214000	2690000
86-73-7	Fluorene	3680000		206000	1090000
7005-72-3	4-Chlorophenyl-phenylether	206000	U	206000	1090000
84-66-2	Diethylphthalate	206000	U	206000	1090000
100-01-6	4-Nitroaniline	355000	U	355000	1080000
534-52-1	4,6-Dinitro-2-methylphenol	1070000	U	1070000	1090000
86-30-6	N-Nitrosodiphenylamine	254000	U	254000	1080000
101-55-3	4-Bromophenyl-phenylether	198000	U	198000	1090000
118-74-1	Hexachlorobenzene	214000	U	214000	1080000
87-86-5	Pentachlorophenol	537000	U	537000	1090000
85-01-8	Phenanthrene	11600000		226000	1090000
120-12-7	Anthracene	4750000		242000	1090000
84-74-2	Di-n-butylphthalate	178000	U	178000	1090000
206-44-0	Fluoranthene	7300000		194000	1090000
129-00-0	Pyrene	4950000		371000	1090000
85-68-7	Butylbenzylphthalate	254000	U	254000	1090000
91-94-1	3,3'-Dichlorobenzidine	238000	U	238000	1090000
56-55-3	Benzo(a)anthracene	3210000		230000	1090000
218-01-9	Chrysene	3190000		137000	1080000
117-81-7	Bis(2-ethylhexyl)phthalate	335000	U	335000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	234000	U	234000	1090000
205-99-2	Benzo(b)fluoranthene	2520000		254000	1090000
207-08-9	Benzo(k)fluoranthene	1200000		230000	1090000
50-32-8	Benzo(a)pyrene	1770000		174000	1090000
193-39-5	Indeno(1,2,3-cd)pyrene	609000	J	210000	1090000
53-70-3	Dibenzo(a,h)anthracene	297000	J	166000	1090000
191-24-2	Benzo(g,h,i)perylene	618000	J	162000	1090000
98-86-2	Acetophenone	404000	U	404000	1090000
95-94-3	1,2,4,5-Tetrachlorobenzene	190000	U	190000	1090000
86-74-8	Carbazole	2070000		218000	1090000
105-60-2	Caprolactam	565000	U	565000	1090000
92-52-4	1,1'-Biphenyl	501000	J	246000	1090000
1912-24-9	Atrazine	319000	U	319000	1090000
100-52-7	Benzaldehyde	182000	U	182000	1090000

8270 QC Summary

110512 1909

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	66.6	U	66.6	268
108-95-2	Phenol	64.6	U	64.6	1330
95-57-8	2-Chlorophenol	68.6	U	68.6	268
108-60-1	2,2'-Oxybis(1-chloropropane)	219	U	219	268
95-48-7	2-Methylphenol	95.5	U	95.5	266
67-72-1	Hexachloroethane	49.7	U	49.7	268
621-64-7	N-Nitroso-di-n-propylamine	60.7	U	60.7	268
106-44-5	4-Methylphenol	58.7	U	58.7	268
98-95-3	Nitrobenzene	59.7	U	59.7	268
78-59-1	Isophorone	58.7	U	58.7	268
88-75-5	2-Nitrophenol	71.6	U	71.6	268
105-67-9	2,4-Dimethylphenol	56.7	U	56.7	266
111-91-1	Bis(2-chloroethoxy)methane	56.7	U	56.7	266
120-83-2	2,4-Dichlorophenol	74.6	U	74.6	266
91-20-3	Naphthalene	63.6	U	63.6	268
106-47-8	4-Chloroaniline	62.6	U	62.6	268
91-57-6	2-Methylnaphthalene	57.7	U	57.7	268
87-68-3	Hexachlorobutadiene	57.7	U	57.7	268
59-50-7	4-Chloro-3-methylphenol	55.7	U	55.7	268
77-47-4	Hexachlorocyclopentadiene	39.8	U	39.8	663
88-06-2	2,4,6-Trichlorophenol	67.6	U	67.6	266
95-95-4	2,4,5-Trichlorophenol	73.6	U	73.6	266
91-58-7	2-Chloronaphthalene	66.3	U	66.3	268
88-74-4	2-Nitroaniline	56.7	U	56.7	268
208-96-8	Acenaphthylene	54.7	U	54.7	268
131-11-3	Dimethylphthalate	58.7	U	58.7	268
606-20-2	2,6-Dinitrotoluene	49.7	U	49.7	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
83-32-9	Acenaphthene	48.7	U	48.7	268
99-09-2	3-Nitroaniline	79.6	U	79.6	266
51-28-5	2,4-Dinitrophenol	219	U	219	1330
132-64-9	Dibenzofuran	53.7	U	53.7	268
121-14-2	2,4-Dinitrotoluene	48.7	U	48.7	268
100-02-7	4-Nitrophenol	52.7	U	52.7	663
86-73-7	Fluorene	50.7	U	50.7	268
7005-72-3	4-Chlorophenyl-phenylether	50.7	U	50.7	268
84-66-2	Diethylphthalate	50.7	U	50.7	268
100-01-6	4-Nitroaniline	87.5	U	87.5	266
534-52-1	4,6-Dinitro-2-methylphenol	264	U	264	268
86-30-6	N-Nitrosodiphenylamine	62.6	U	62.6	266
101-55-3	4-Bromophenyl-phenylether	48.7	U	48.7	268
118-74-1	Hexachlorobenzene	52.7	U	52.7	266
87-86-5	Pentachlorophenol	132	U	132	268
85-01-8	Phenanthrene	55.7	U	55.7	268
120-12-7	Anthracene	59.7	U	59.7	268
84-74-2	Di-n-butylphthalate	43.8	U	43.8	268
206-44-0	Fluoranthene	47.7	U	47.7	268
129-00-0	Pyrene	91.5	U	91.5	268
85-68-7	Butylbenzylphthalate	62.6	U	62.6	268
91-94-1	3,3'-Dichlorobenzidine	58.7	U	58.7	268
56-55-3	Benzo(a)anthracene	56.7	U	56.7	268
218-01-9	Chrysene	33.8	U	33.8	266
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	82.5	268
117-84-0	Di-n-octylphthalate	57.7	U	57.7	268
205-99-2	Benzo(b)fluoranthene	62.6	U	62.6	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
207-08-9	Benzo(k)fluoranthene	56.7	U	56.7	268
50-32-8	Benzo(a)pyrene	42.8	U	42.8	268
193-39-5	Indeno(1,2,3-cd)pyrene	51.7	U	51.7	268
53-70-3	Dibenzo(a,h)anthracene	40.8	U	40.8	268
191-24-2	Benzo(g,h,i)perylene	39.8	U	39.8	268
98-86-2	Acetophenone	99.4	U	99.4	268
95-94-3	1,2,4,5-Tetrachlorobenzene	46.7	U	46.7	268
86-74-8	Carbazole	53.7	U	53.7	268
105-60-2	Caprolactam	139	U	139	268
92-52-4	1,1'-Biphenyl	60.7	U	60.7	268
1912-24-9	Atrazine	78.6	U	78.6	268
100-52-7	Benzaldehyde	44.8	U	44.8	268

4

SEMI-VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID: 9188MB.D Lab Sample ID: 127239MB

Instrument ID: SMSD03 Date Extracted: 04/25/12

Matrix: SOIL Date Analyzed: 04/26/12

Level:(low/med) LOW Time Analyzed: 1219

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	127240LCS	127240LCS	9188LCS.D	04/26/12	1243
2	EPAFMC-SD-01	350583501	83501.D	04/26/12	1530
3	EPAFMC-SD-04	350583504	83504.D	04/26/12	1642
4	EPAFMC-SD-02DL1	350583502DL1	83502D25.D	04/26/12	1736
5	EPAFMC-SD-06DL1	350583506DL1	83506DQ.D	04/26/12	1823
6	EPAFMC-SD-05DL1	350583505DL1	83505DQ.D	04/26/12	1847
7	EPAFMC-SD-01MS	350583507	83507D5.D	04/26/12	1910
8	EPAFMC-SD-01SD	350583508	83508D5.D	04/26/12	1934
9	EPAFMC-SD-03	350583503	83503.D	04/26/12	1958
10	EPAFMC-SD-02	350583502	83502.D	04/26/12	2021
11	EPAFMC-SD-05	350583505	83505.D	04/26/12	2045
12	EPAFMC-SD-06	350583506	83506.D	04/26/12	2108

COMMENTS:

2A

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127239MB	77.9	82.7	83.5	77.9	104.0	105.0	0
127240LCS	94.3	98.0	94.3	92.6	112.0	96.7	0
EPAFMC-SD-01	45.0	49.6	52.5	51.4	56.9	68.7	0
EPAFMC-SD-01MS	69.2	69.9	72.4	70.6	72.0	80.8	0
EPAFMC-SD-01SD	57.0	57.5	61.3	55.7	56.1	58.9	0
EPAFMC-SD-02	44.1	48.8	52.2	50.6	59.0	58.4	0
EPAFMC-SD-02DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-03	44.8	47.2	46.1	43.5	52.8	46.1	0
EPAFMC-SD-04	47.4	56.0	52.8	44.4	67.9	72.2	0
EPAFMC-SD-05	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-05DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0

Control Limits

S1	= 2-Fluorophenol	25 -	121
S2	= Phenol-d5	24 -	113
S3	= Nitrobenzene-d5	23 -	120
S4	= 2-Fluorobiphenyl	30 -	115
S5	= 2,4,6-Tribromophenol	19 -	122
S6	= p-Terphenyl-d14	18 -	137

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP2.D DFTPP Injection Date: 04/23/12

Instrument ID: SMSD03 DFTPP Injection Time: 1003

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	30.2	
68	Less than 2.0% of mass 69	0.6	(1.3)1
69	Mass 69 relative abundance	49.4	
70	Less than 2.0% of mass 69	0.4	(0.83)1
127	10.0 - 80.0% of mass 198	45.1	
197	Less than 2.0% of mass 198	0.4	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	7	
275	10.0 - 60.0% of mass 198	33	
365	Greater than 1.0% of mass 198	6.5	
441	0.0 - 24.0% of mass 442	13.5	(14.69)2
442	Greater than 50.0% of mass 198	92	
443	15.0 - 24.0% of mass 442	17.3	(18.77)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	STD1072999	45921	8270CAL7.D	04/23/12	1023
2	STD1073000	45922	8270CAL6.D	04/23/12	1047
3	STD1073001	45923	8270CAL5.D	04/23/12	1110
4	STD1073002	45924	8270CAL4.D	04/23/12	1134
5	STD1073004	45925	8270CAL3.D	04/23/12	1158
6	STD1073005	45926	8270CAL2.D	04/23/12	1221
7	STD1073006	45927	8270CAL1.D	04/23/12	1245
8	SSC1072998	45872	8270SEC2.D	04/23/12	1333
9	STD1073007	45933	BSCAL7.D	04/23/12	1356
10	STD1073008	45934	BSCAL6.D	04/23/12	1420
11	STD1073009	45935	BSCAL5.D	04/23/12	1444
12	STD1073010	45936	BSCAL4.D	04/23/12	1507
13	STD1073012	45937	BSCAL3.D	04/23/12	1531
14	STD1073013	45938	BSCAL2.D	04/23/12	1555
15	STD1073014	45939	BSCAL1.D	04/23/12	1619
16	SSC1072994	44859	BSSEC.D	04/23/12	1642
17	STD1073015	45955	AP9CAL7.D	04/23/12	1706
18	STD1073016	45956	AP9CAL6.D	04/23/12	1730
19	STD1073017	45957	AP9CAL5.D	04/23/12	1753

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP2.D DFTPP Injection Date: 04/23/12

Instrument ID: SMSD03 DFTPP Injection Time: 1003

GC Column: HPMS-5 ID: 0.25 (mm)

20	STD1073018	45958	AP9CAL4.D	04/23/12	1817
21	STD1073020	45959	AP9CAL3.D	04/23/12	1841
22	STD1073021	45960	AP9CAL2.D	04/23/12	1904
23	STD1073022	45961	AP9CAL1.D	04/23/12	1928
24	SSC1072993	44612	AP9SEC2.D	04/23/12	2015

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Lab File ID: DFTPP2.D DFTPP Injection Date: 04/26/12

Instrument ID: SMSD03 DFTPP Injection Time: 1048

GC Column: HPMS-5 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	29.5	
68	Less than 2.0% of mass 69	0.3	(0.59)1
69	Mass 69 relative abundance	48.7	
70	Less than 2.0% of mass 69	0.2	(0.36)1
127	10.0 - 80.0% of mass 198	44.2	
197	Less than 2.0% of mass 198	0.2	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.6	
275	10.0 - 60.0% of mass 198	33	
365	Greater than 1.0% of mass 198	6	
441	0.0 - 24.0% of mass 442	14.5	(15.38)2
442	Greater than 50.0% of mass 198	94.4	
443	15.0 - 24.0% of mass 442	19.3	(20.46)2

1-Value is % of mass 69

2-Value is % of mass 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	CCV1074000	45924	8270CCV1.D	04/26/12	1108
2	CCV1074002	45936	BSCCV1.D	04/26/12	1132
3	CCV1074001	45958	AP9CCV1.D	04/26/12	1155
4	127239MB	127239MB	9188MB.D	04/26/12	1219
5	127240LCS	127240LCS	9188LCS.D	04/26/12	1243
6	EPAFMC-SD-01	350583501	83501.D	04/26/12	1530
7	EPAFMC-SD-04	350583504	83504.D	04/26/12	1642
8	EPAFMC-SD-02DL1	350583502DL1	83502D25.D	04/26/12	1736
9	EPAFMC-SD-06DL1	350583506DL1	83506DQ.D	04/26/12	1823
10	EPAFMC-SD-05DL1	350583505DL1	83505DQ.D	04/26/12	1847
11	EPAFMC-SD-01MS	350583507	83507D5.D	04/26/12	1910
12	EPAFMC-SD-01SD	350583508	83508D5.D	04/26/12	1934
13	EPAFMC-SD-03	350583503	83503.D	04/26/12	1958
14	EPAFMC-SD-02	350583502	83502.D	04/26/12	2021
15	EPAFMC-SD-05	350583505	83505.D	04/26/12	2045
16	EPAFMC-SD-06	350583506	83506.D	04/26/12	2108

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): 8270CAL4.D Date Analyzed: 4/23/2012

Instrument ID: SMSD03 Time Analyzed: 11:34

GC Column: HPMS-5 ID: 0.25 (mm)

		IS1 AREA #	RT	IS2 AREA #	RT	IS3 AREA #	RT
	MID CAL STD	324938	4.45	1085348	5.61	730887	7.31
	UPPER LIMIT	649876	4.95	2170696	6.11	1461774	7.81
	LOWER LIMIT	162469	3.95	542674	5.11	365443.5	6.81
	EPA SAMPLE NO.						
1	127239MB	256024	4.42	865139	5.58	618298	7.28
2	127240LCS	258293	4.43	880622	5.59	644409	7.28
3	EPAFMC-SD-01	308382	4.42	1034441	5.58	719312	7.28
4	EPAFMC-SD-04	307617	4.42	998722	5.58	725044	7.28
5	EPAFMC-SD-02DL1	298912	4.42	993514	5.58	690220	7.28
6	EPAFMC-SD-06DL1	266282	4.42	905709	5.59	635718	7.28
7	EPAFMC-SD-05DL1	269318	4.42	934239	5.58	663215	7.28
8	EPAFMC-SD-01MS	260633	4.42	900448	5.58	619194	7.28
9	EPAFMC-SD-01SD	262585	4.42	876448	5.58	621760	7.28
10	EPAFMC-SD-03	256071	4.43	846001	5.58	601343	7.28
11	EPAFMC-SD-02	283261	4.42	948296	5.58	649669	7.28
12	EPAFMC-SD-05	304313	4.42	1064628	5.59	739084	7.28
13	EPAFMC-SD-06	300641	4.42	1048158	5.59	707190	7.28

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Naphthalene-d8

IS3 = Acenaphthene-d10

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID (Standard): 8270CAL4.D Date Analyzed: 4/23/2012

Instrument ID: SMSD03 Time Analyzed: 11:34

GC Column: HPMS-5 ID: 0.25 (mm)

		IS4 AREA #	RT	IS5 AREA #	RT	IS6 AREA #	RT
	MID CAL STD	1306281	8.76	2165349	11.36	1911346	12.68
	UPPER LIMIT	2612562	9.26	4330698	11.86	3822692	13.18
	LOWER LIMIT	653140.5	8.26	1082674.5	10.86	955673	12.18
	EPA SAMPLE NO.						
1	127239MB	1233165	8.73	1657307	11.33	1723472	12.65
2	127240LCS	1275304	8.74	2027742	11.33	1677191	12.66
3	EPAFMC-SD-01	1420933	8.73	1912161	11.33	1973348	12.66
4	EPAFMC-SD-04	1441758	8.73	2020820	11.33	1942639	12.66
5	EPAFMC-SD-02DL1	1350574	8.73	1803319	11.33	1711351	12.66
6	EPAFMC-SD-06DL1	1189785	8.74	1627398	11.33	1506273	12.65
7	EPAFMC-SD-05DL1	1306737	8.73	1802437	11.33	1678493	12.65
8	EPAFMC-SD-01MS	1205337	8.74	1760721	11.33	1522065	12.65
9	EPAFMC-SD-01SD	1224736	8.73	1819169	11.33	1686386	12.66
10	EPAFMC-SD-03	1169120	8.73	1720283	11.33	1566792	12.66
11	EPAFMC-SD-02	1269984	8.74	2100265	11.34	1572244	12.66
12	EPAFMC-SD-05	1448683	8.74	2223873	11.34	1781645	12.66
13	EPAFMC-SD-06	1384426	8.74	2094774	11.34	1682790	12.66

IS4 = Phenanthrene-d10

IS5 = Chrysene-d12

IS6 = Perylene-d12

UPPER LIMIT = +100% of internal standard area.
LOWER LIMIT = -50% of internal standard area

Column used to flag internal standard area values with an asterisk

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/23/12

Instrument ID: SMSD03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.38 S2 : 4.14

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	DFTPP2	45777	DFTPP2.D	04/23/12	1003		
2	STD1072999	45921	8270CAL7.D	04/23/12	1023	3.39	4.15
3	STD1073000	45922	8270CAL6.D	04/23/12	1047	3.38	4.14
4	STD1073001	45923	8270CAL5.D	04/23/12	1110	3.38	4.14
5	STD1073002	45924	8270CAL4.D	04/23/12	1134	3.38	4.14
6	STD1073004	45925	8270CAL3.D	04/23/12	1158	3.38	4.14
7	STD1073005	45926	8270CAL2.D	04/23/12	1221	3.39	4.14
8	STD1073006	45927	8270CAL1.D	04/23/12	1245	3.39	4.14
9	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/23/12	1309		
10	SSC1072998	45872	8270SEC2.D	04/23/12	1333	3.38	4.14
11	STD1073007	45933	BSCAL7.D	04/23/12	1356		
12	STD1073008	45934	BSCAL6.D	04/23/12	1420		
13	STD1073009	45935	BSCAL5.D	04/23/12	1444		
14	STD1073010	45936	BSCAL4.D	04/23/12	1507		
15	STD1073012	45937	BSCAL3.D	04/23/12	1531		
16	STD1073013	45938	BSCAL2.D	04/23/12	1555		
17	STD1073014	45939	BSCAL1.D	04/23/12	1619		
18	SSC1072994	44859	BSSEC.D	04/23/12	1642		
19	STD1073015	45955	AP9CAL7.D	04/23/12	1706		
20	STD1073016	45956	AP9CAL6.D	04/23/12	1730		
21	STD1073017	45957	AP9CAL5.D	04/23/12	1753		
22	STD1073018	45958	AP9CAL4.D	04/23/12	1817		
23	STD1073020	45959	AP9CAL3.D	04/23/12	1841		
24	STD1073021	45960	AP9CAL2.D	04/23/12	1904		
25	STD1073022	45961	AP9CAL1.D	04/23/12	1928		
26	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/23/12	1952		

			QC LIMITS
S1	=	2-Fluorophenol	(+/- 0.27 MINUTES)
S2	=	Phenol-d5	(+/- 0.27 MINUTES)
S3	=	Nitrobenzene-d5	(+/- 0.34 MINUTES)
S4	=	2-Fluorobiphenyl	(+/- 0.44 MINUTES)
S5	=	2,4,6-Tribromophenol	(+/- 0.44 MINUTES)
S6	=	p-Terphenyl-d14	(+/- 0.68 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/23/12

Instrument ID: SMSD03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.38 S2 : 4.14

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
27	SSC1072993	44612	AP9SEC2.D	04/23/12	2015		
28	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1029		
29	DFTPP2	45777	DFTPP2.D	04/26/12	1048		
30	CCV1074000	45924	8270CCV1.D	04/26/12	1108	3.36	4.11
31	CCV1074002	45936	BSCCV1.D	04/26/12	1132		
32	CCV1074001	45958	AP9CCV1.D	04/26/12	1155		
33	127239MB	127239MB	9188MB.D	04/26/12	1219	3.36	4.11
34	127240LCS	127240LCS	9188LCS.D	04/26/12	1243	3.36	4.11
35	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1307		
36	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1330		
37	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1354		
38	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1418		
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1442		
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1506		
41	EPAFMC-SD-01	350583501	83501.D	04/26/12	1530	3.36	4.11
42	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1554		
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1618		
44	EPAFMC-SD-04	350583504	83504.D	04/26/12	1642	3.36	4.11
45	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1712		
46	EPAFMC-SD-02DL1	350583502DL1	83502D25.D	04/26/12	1736	3.36	4.11
47	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/26/12	1759		
48	EPAFMC-SD-06DL1	350583506DL1	83506DQ.D	04/26/12	1823	0 *	0 *
49	EPAFMC-SD-05DL1	350583505DL1	83505DQ.D	04/26/12	1847	0 *	0 *
50	EPAFMC-SD-01MS	350583507	83507D5.D	04/26/12	1910	3.36	4.11
51	EPAFMC-SD-01SD	350583508	83508D5.D	04/26/12	1934	3.36	4.11
52	EPAFMC-SD-03	350583503	83503.D	04/26/12	1958	3.36	4.11

			QC LIMITS
S1	=	2-Fluorophenol	(+/- 0.27 MINUTES)
S2	=	Phenol-d5	(+/- 0.27 MINUTES)
S3	=	Nitrobenzene-d5	(+/- 0.34 MINUTES)
S4	=	2-Fluorobiphenyl	(+/- 0.44 MINUTES)
S5	=	2,4,6-Tribromophenol	(+/- 0.44 MINUTES)
S6	=	p-Terphenyl-d14	(+/- 0.68 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

8

SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 04/23/12

Instrument ID: SMSD03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.38 S2 : 4.14

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
53	EPAFMC-SD-02	350583502	83502.D	04/26/12	2021	3.36		4.11	
54	EPAFMC-SD-05	350583505	83505.D	04/26/12	2045	0	*	0	*
55	EPAFMC-SD-06	350583506	83506.D	04/26/12	2108	0	*	0	*

			QC LIMITS
S1	=	2-Fluorophenol	(+/- 0.27 MINUTES)
S2	=	Phenol-d5	(+/- 0.27 MINUTES)
S3	=	Nitrobenzene-d5	(+/- 0.34 MINUTES)
S4	=	2-Fluorobiphenyl	(+/- 0.44 MINUTES)
S5	=	2,4,6-Tribromophenol	(+/- 0.44 MINUTES)
S6	=	p-Terphenyl-d14	(+/- 0.68 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051 | 127240LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	1950	2020	104.0			58 - 124
Phenol	1950	1750	89.7			39 - 127
2-Chlorophenol	1950	1760	90.3			42 - 113
2,2'-Oxybis(1-chloropropane)	1950	1760	90.3			42 - 139
2-Methylphenol	1950	1670	85.6			55 - 112
Hexachloroethane	1950	1680	86.2			51 - 120
N-Nitroso-di-n-propylamine	1950	2300	118.0			58 - 121
4-Methylphenol	1950	2230	114.0			48 - 127
Nitrobenzene	1950	1700	87.2			56 - 114
Isophorone	1950	2240	115.0			75 - 135
2-Nitrophenol	1950	1830	93.8			50 - 110
2,4-Dimethylphenol	1950	1870	95.9			43 - 125
Bis(2-chloroethoxy)methane	1950	1920	98.5			67 - 117
2,4-Dichlorophenol	1950	1730	88.7			50 - 120
Naphthalene	1950	1830	93.8			54 - 123
4-Chloroaniline	1950	1840	94.4			15 - 110
2-Methylnaphthalene	1950	1820	93.3			63 - 118
Hexachlorobutadiene	1950	1910	97.9			64 - 114
4-Chloro-3-methylphenol	1950	1880	96.4			48 - 114
Hexachlorocyclopentadiene	1950	1580	81.0			33 - 113
2,4,6-Trichlorophenol	1950	1800	92.3			49 - 120
2,4,5-Trichlorophenol	1950	1800	92.3			69 - 110
2-Chloronaphthalene	1950	1740	89.2			67 - 120
2-Nitroaniline	1950	2060	106.0			52 - 133
Acenaphthylene	1950	1800	92.3			57 - 123
Dimethylphthalate	1950	1880	96.4			72 - 116
2,6-Dinitrotoluene	1950	1800	92.3			63 - 120
Acenaphthene	1950	1720	88.2			61 - 112
3-Nitroaniline	1950	1840	94.4			62 - 119
2,4-Dinitrophenol	3900	2890	74.1			15 - 150
Dibenzofuran	1950	1800	92.3			64 - 120
2,4-Dinitrotoluene	1950	1860	95.4			64 - 113

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

110512 1909

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051 | 127240LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	1950	2140	110.0			10 - 162
Fluorene	1950	1870	95.9			57 - 118
4-Chlorophenyl-phenylether	1950	1840	94.4			69 - 120
Diethylphthalate	1950	1970	101.0			63 - 126
4-Nitroaniline	1950	2110	108.0			61 - 123
4,6-Dinitro-2-methylphenol	1950	1500	76.9			31 - 120
N-Nitrosodiphenylamine	1950	1770	90.8			72 - 122
4-Bromophenyl-phenylether	1950	1770	90.8			72 - 111
Hexachlorobenzene	1950	1640	84.1			66 - 110
Pentachlorophenol	1950	2160	111.0			25 - 138
Phenanthrene	1950	1760	90.3			61 - 118
Anthracene	1950	1770	90.8			65 - 118
Di-n-butylphthalate	1950	1900	97.4			72 - 122
Fluoranthene	1950	1890	96.9			66 - 119
Pyrene	1950	1820	93.3			62 - 117
Butylbenzylphthalate	1950	2020	104.0			69 - 127
3,3'-Dichlorobenzidine	3900	2980	76.4			20 - 110
Benzo(a)anthracene	1950	1990	102.0			66 - 120
Chrysene	1950	1840	94.4			64 - 113
Bis(2-ethylhexyl)phthalate	1950	2080	107.0			68 - 126
Di-n-octylphthalate	1950	2150	110.0			69 - 131
Benzo(b)fluoranthene	1950	2210	113.0			61 - 114
Benzo(k)fluoranthene	1950	1980	102.0			61 - 121
Benzo(a)pyrene	1950	1900	97.4			66 - 111
Indeno(1,2,3-cd)pyrene	1950	1850	94.9			52 - 120
Dibenzo(a,h)anthracene	1950	1860	95.4			53 - 120
Benzo(g,h,i)perylene	1950	1800	92.3			55 - 122
Acetophenone	3900	3820	97.9			32 - 114
1,2,4,5-Tetrachlorobenzene	1950	1750	89.7			51 - 110
Carbazole	1950	1950	100.0			66 - 125
Caprolactam	1950	1780	91.3			10 - 150
1,1'-Biphenyl	1950	1590	81.5			10 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

110512 1909

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051 | 127240LCS

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	1950	1570	80.5			10 - 191
Benzaldehyde	1950	1460	74.9			10 - 158

Spike Recovery: 0 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

110512 1909

Form III

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / EPAFMC-SD-01MS

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	0	2100	90.8	30 - 126
Phenol	2300	0	1700	76.0	30 - 129
2-Chlorophenol	2300	0	1700	74.2	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	0	1800	76.9	20 - 123
2-Methylphenol	2300	0	1200	52.0	27 - 117
Hexachloroethane	2300	0	1000	45.0	24 - 120
N-Nitroso-di-n-propylamine	2300	0	2000	89.5	22 - 128
4-Methylphenol	2300	0	1200	54.1	30 - 150
Nitrobenzene	2300	0	1800	78.6	14 - 129
Isophorone	2300	0	2300	102.0	35 - 144
2-Nitrophenol	2300	0	1600	71.2	14 - 113
2,4-Dimethylphenol	2300	0	530	23.1 *	30 - 110
Bis(2-chloroethoxy)methane	2300	0	1900	81.7	31 - 126
2,4-Dichlorophenol	2300	0	1600	68.1	18 - 115
Naphthalene	2300	0	15000	638.0 *	29 - 119
4-Chloroaniline	2300	0	1400	60.7	30 - 143
2-Methylnaphthalene	2300	0	4900	213.0 *	33 - 120
Hexachlorobutadiene	2300	0	1800	77.7	32 - 120
4-Chloro-3-methylphenol	2300	0	1800	79.0	30 - 123
Hexachlorocyclopentadiene	2300	0	0	0.0 *	10 - 119
2,4,6-Trichlorophenol	2300	0	1900	81.7	14 - 118
2,4,5-Trichlorophenol	2300	0	1700	76.0	29 - 125
2-Chloronaphthalene	2300	0	1800	79.5	31 - 118
2-Nitroaniline	2300	0	2000	88.6	22 - 134
Acenaphthylene	2300	940	3300	105.0	26 - 123
Dimethylphthalate	2300	0	2000	87.8	33 - 127
2,6-Dinitrotoluene	2300	0	1900	84.7	26 - 123
Acenaphthene	2300	930	5500	198.0 *	30 - 135
3-Nitroaniline	2300	0	2000	87.8	20 - 125
2,4-Dinitrophenol	4600	0	0	0.0 *	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

110512 1909

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / EPAFMC-SD-01MS

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Dibenzofuran	2300	0	4700	204.0 *	31 - 123
2,4-Dinitrotoluene	2300	0	2000	86.5	17 - 127
4-Nitrophenol	2300	0	1600	67.7	30 - 135
Fluorene	2300	1200	6300	223.0 *	25 - 120
4-Chlorophenyl-phenylether	2300	0	1800	76.9	10 - 119
Diethylphthalate	2300	0	2100	90.0	30 - 127
4-Nitroaniline	2300	0	2300	98.7	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0	0.0 *	40 - 130
N-Nitrosodiphenylamine	2300	0	1400	61.6	31 - 137
4-Bromophenyl-phenylether	2300	0	1700	75.5	31 - 129
Hexachlorobenzene	2300	0	1700	74.2	30 - 118
Pentachlorophenol	2300	0	1300	57.2	30 - 113
Phenanthrene	2300	6600	18000	490.0 *	28 - 121
Anthracene	2300	2900	8900	264.0 *	31 - 121
Di-n-butylphthalate	2300	0	2000	85.6	34 - 132
Fluoranthene	2300	14000	22000	349.0 *	29 - 125
Pyrene	2300	11000	16000	227.0 *	31 - 125
Butylbenzylphthalate	2300	0	2000	86.5	29 - 149
3,3'-Dichlorobenzidine	4600	0	2100	46.4	20 - 110
Benzo(a)anthracene	2300	7400	12000	184.0 *	30 - 117
Chrysene	2300	7300	11000	175.0 *	32 - 115
Bis(2-ethylhexyl)phthalate	2300	0	3400	150.0 *	32 - 138
Di-n-octylphthalate	2300	0	2100	91.7	30 - 150
Benzo(b)fluoranthene	2300	7100	11000	152.0 *	23 - 128
Benzo(k)fluoranthene	2300	3000	5700	115.0	31 - 120
Benzo(a)pyrene	2300	4500	8000	152.0 *	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2100	3800	75.5	28 - 118
Dibenzo(a,h)anthracene	2300	820	2500	72.1	28 - 118
Benzo(g,h,i)perylene	2300	2200	4000	77.3	28 - 120
Acetophenone	4600	0	3100	68.3	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

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SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / EPAFMC-SD-01MS

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	0	1600	71.2	47 - 110
Carbazole	2300	0	4700	207.0 *	34 - 133
Caprolactam	2300	0	2800	123.0	10 - 150
1,1'-Biphenyl	2300	0	2100	91.7	30 - 152
Atrazine	2300	0	1600	70.3	10 - 149
Benzaldehyde	2300	0	1400	59.8	10 - 140

Spike Recovery: 19 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

110512 1909

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	1700	75.2	18.4	30	30 - 126
Phenol	2300	1400	59.6	23.8	30	30 - 129
2-Chlorophenol	2300	1400	60.9	19.4	30	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	1300	58.3	27.1	30	20 - 123
2-Methylphenol	2300	1100	47.0	9.7	30	27 - 117
Hexachloroethane	2300	1000	45.7	1.9	30	24 - 120
N-Nitroso-di-n-propylamine	2300	1700	72.2	21.0	30	22 - 128
4-Methylphenol	2300	990	42.9	22.7	30	30 - 150
Nitrobenzene	2300	1600	67.4	14.9	30	14 - 129
Isophorone	2300	2000	85.7	17.2	30	35 - 144
2-Nitrophenol	2300	1400	63.0	11.7	30	14 - 113
2,4-Dimethylphenol	2300	560	24.4 *	6.1	30	30 - 110
Bis(2-chloroethoxy)methane	2300	1600	68.3	17.4	30	31 - 126
2,4-Dichlorophenol	2300	1300	56.1	18.9	30	18 - 115
Naphthalene	2300	2300	98.3	146.4 *	30	29 - 119
4-Chloroaniline	2300	1200	54.3	10.6	30	30 - 143
2-Methylnaphthalene	2300	1800	77.0	93.5 *	30	33 - 120
Hexachlorobutadiene	2300	1400	60.9	23.9	30	32 - 120
4-Chloro-3-methylphenol	2300	1400	62.2	23.5	30	30 - 123
Hexachlorocyclopentadiene	2300	0	0.0 *		30	10 - 119
2,4,6-Trichlorophenol	2300	1400	61.7	27.4	30	14 - 118
2,4,5-Trichlorophenol	2300	1300	58.3	26.0	30	29 - 125
2-Chloronaphthalene	2300	1400	62.2	24.0	30	31 - 118
2-Nitroaniline	2300	1600	68.7	24.9	30	22 - 134
Acenaphthylene	2300	2300	57.7	38.1 *	30	26 - 123
Dimethylphthalate	2300	1700	73.0	17.9	30	33 - 127
2,6-Dinitrotoluene	2300	1600	67.8	21.7	30	26 - 123
Acenaphthene	2300	2100	49.2	90.3 *	30	30 - 135
3-Nitroaniline	2300	1500	65.2	29.1	30	20 - 125
2,4-Dinitrophenol	4600	0	0.0 *		30	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

110512 1909

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SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenzofuran	2300	2000	85.2	81.7 *	30	31 - 123
2,4-Dinitrotoluene	2300	1600	68.3	23.1	30	17 - 127
4-Nitrophenol	2300	1200	53.9	22.2	30	30 - 135
Fluorene	2300	2300	46.5	93.4 *	30	25 - 120
4-Chlorophenyl-phenylether	2300	1400	60.4	23.5	30	10 - 119
Diethylphthalate	2300	1700	75.2	17.4	30	30 - 127
4-Nitroaniline	2300	2200	94.3	4.1	30	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0.0 *		30	40 - 130
N-Nitrosodiphenylamine	2300	1200	50.4	19.5	30	31 - 137
4-Bromophenyl-phenylether	2300	1400	62.6	18.3	30	31 - 129
Hexachlorobenzene	2300	1400	58.7	23.0	30	30 - 118
Pentachlorophenol	2300	1200	51.7	9.6	30	30 - 113
Phenanthrene	2300	5300	0.0 *	108.5 *	30	28 - 121
Anthracene	2300	4700	79.6	62.1 *	30	31 - 121
Di-n-butylphthalate	2300	1500	65.7	25.9	30	34 - 132
Fluoranthene	2300	11000	0.0 *	63.0 *	30	29 - 125
Pyrene	2300	8300	0.0 *	62.0 *	30	31 - 125
Butylbenzylphthalate	2300	1600	67.8	23.7	30	29 - 149
3,3'-Dichlorobenzidine	4600	1600	35.7	25.5	30	20 - 110
Benzo(a)anthracene	2300	6800	0.0 *	52.2 *	30	30 - 117
Chrysene	2300	6200	0.0 *	59.0 *	30	32 - 115
Bis(2-ethylhexyl)phthalate	2300	1700	74.3	67.2 *	30	32 - 138
Di-n-octylphthalate	2300	1600	67.4	30.1 *	30	30 - 150
Benzo(b)fluoranthene	2300	6700	0.0 *	44.9 *	30	23 - 128
Benzo(k)fluoranthene	2300	3300	11.7 *	52.4 *	30	31 - 120
Benzo(a)pyrene	2300	4900	16.5 *	47.9 *	30	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2700	29.1	32.4 *	30	28 - 118
Dibenzo(a,h)anthracene	2300	1900	46.2	27.1	30	28 - 118
Benzo(g,h,i)perylene	2300	2800	26.5 *	34.0 *	30	28 - 120
Acetophenone	4600	2500	53.6	23.7	30	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

110512 1909

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	1300	56.5	22.5	30	47 - 110
Carbazole	2300	2400	102.0	67.4 *	30	34 - 133
Caprolactam	2300	2500	107.0	13.2	30	10 - 150
1,1'-Biphenyl	2300	1200	53.9	51.5 *	30	30 - 152
Atrazine	2300	1300	57.4	19.8	30	10 - 149
Benzaldehyde	2300	1100	47.0	23.7	30	10 - 140

RPD: 21 out of 66 outside limits

Spike Recovery: 13 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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Form III

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8270 Standards Data

110512 1909

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF4 =8270CAL1.D RRF10 =8270CAL2.D
RRF20 =8270CAL3.D RRF45 =8270CAL4.D RRF60 =8270CAL5.D

COMPOUND		RRF4	RRF10	RRF20	RRF45	RRF60	$\overline{RRF}$	%RSD OR R^2	
Bis(2-chloroethyl)ether		1.059	1.079	1.103	1.131	1.124			
Phenol	*	1.631	1.590	1.687	1.797	1.829			*
2-Chlorophenol		1.119	1.054	1.148	1.201	1.191			
2,2'-Oxybis(1-chloropropane)		0.780	0.709	0.750	0.790	0.777			
2-Methylphenol		0.952	0.955	0.991	1.091	1.089			
Hexachloroethane		0.583	0.553	0.574	0.609	0.598			
N-Nitroso-di-n-propylamine	#	1.113	1.088	1.136	1.235	1.214			#
4-Methylphenol		1.362	1.406	1.475	1.554	1.571			
Nitrobenzene		0.526	0.524	0.528	0.543	0.527			
Isophorone		0.611	0.617	0.633	0.653	0.643			
2-Nitrophenol	*	0.179	0.188	0.197	0.197	0.203			*
2,4-Dimethylphenol		0.303	0.290	0.299	0.305	0.303			
Bis(2-chloroethoxy)methane		0.428	0.419	0.433	0.445	0.439			
2,4-Dichlorophenol	*	0.319	0.347	0.350	0.364	0.374			*
Naphthalene		1.063	0.989	1.028	1.047	1.030			
4-Chloroaniline		0.430	0.409	0.428	0.438	0.436			
2-Methylnaphthalene		0.744	0.700	0.729	0.751	0.758			
Hexachlorobutadiene	*	0.330	0.315	0.340	0.344	0.349			*
4-Chloro-3-methylphenol	*	0.330	0.321	0.342	0.354	0.350			*
Hexachlorocyclopentadiene	#	0.544	0.573	0.624	0.650	0.667			#
2,4,6-Trichlorophenol	*	0.442	0.463	0.486	0.517	0.525			*
2,4,5-Trichlorophenol		0.399	0.438	0.453	0.468	0.483			
2-Chloronaphthalene		1.087	1.104	1.169	1.216	1.205			
2-Nitroaniline		0.354	0.388	0.407	0.422	0.422			
Acenaphthylene		1.668	1.658	1.757	1.802	1.784			
Dimethylphthalate		1.307	1.314	1.378	1.403	1.374			
2,6-Dinitrotoluene		0.266	0.286	0.300	0.319	0.323			
Acenaphthene	*	0.941	0.987	1.035	1.085	1.095			*
3-Nitroaniline		0.254	0.255	0.276	0.278	0.274			
2,4-Dinitrophenol	#		0.095	0.142	0.195	0.210			#
Dibenzofuran		1.688	1.639	1.683	1.774	1.743			
2,4-Dinitrotoluene		0.377	0.399	0.411	0.433	0.446			
4-Nitrophenol	#	0.232	0.281	0.304	0.314	0.309			#
Fluorene		1.314	1.344	1.410	1.557	1.573			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF4 =8270CAL1.D RRF10 =8270CAL2.D
RRF20 =8270CAL3.D RRF45 =8270CAL4.D RRF60 =8270CAL5.D

COMPOUND		RRF4	RRF10	RRF20	RRF45	RRF60	$\overline{RRF}$	%RSD OR R^2	
4-Chlorophenyl-phenylether		0.764	0.787	0.822	0.925	0.954			
Diethylphthalate		1.243	1.225	1.226	1.281	1.266			
4-Nitroaniline		0.265	0.217	0.216	0.222	0.238			
4,6-Dinitro-2-methylphenol		0.093	0.122	0.142	0.171	0.174			
N-Nitrosodiphenylamine	*	0.482	0.488	0.500	0.509	0.504			*
4-Bromophenyl-phenylether		0.269	0.272	0.283	0.301	0.298			
Hexachlorobenzene		0.316	0.301	0.315	0.344	0.348			
Pentachlorophenol	*		0.155	0.183	0.205	0.210			*
Phenanthrene		1.037	1.007	1.019	1.080	1.038			
Anthracene		1.010	0.996	1.024	1.076	1.057			
Di-n-butylphthalate		0.999	1.047	1.099	1.143	1.113			
Fluoranthene	*	1.217	1.154	1.204	1.211	1.174			*
Pyrene		0.923	0.881	0.878	0.790	0.738			
Butylbenzylphthalate		0.335	0.346	0.355	0.354	0.343			
3,3'-Dichlorobenzidine		0.391	0.416	0.444	0.493	0.488			
Benzo(a)anthracene		1.097	1.035	1.062	1.048	1.002			
Chrysene		1.019	0.957	0.978	0.893	0.827			
Bis(2-ethylhexyl)phthalate		0.565	0.570	0.609	0.633	0.621			
Di-n-octylphthalate	*	0.763	0.818	0.876	0.936	0.916			*
Benzo(b)fluoranthene		1.017	1.083	1.076	1.097	1.071			
Benzo(k)fluoranthene		1.111	1.063	1.084	1.152	1.088			
Benzo(a)pyrene	*	0.977	1.049	1.061	1.089	1.063			*
Indeno(1,2,3-cd)pyrene		1.270	1.261	1.323	1.347	1.307			
Dibenzo(a,h)anthracene		1.084	1.086	1.148	1.191	1.167			
Benzo(g,h,i)perylene		1.025	1.038	1.067	1.022	0.964			
Acetophenone		0.562	0.554	0.578	0.613	0.623			
1,2,4,5-Tetrachlorobenzene		0.701	0.686	0.718	0.771	0.792			
Carbazole		0.869	0.854	0.860	0.846	0.848			
Caprolactam		0.075	0.091	0.101	0.115	0.113			
1,1'-Biphenyl		1.486	1.480	1.538	1.614	1.677			
Atrazine		0.238	0.243	0.257	0.278	0.276			
Benzaldehyde		1.140	1.158	1.188	1.276	1.220			
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2-Fluorophenol(SURR)		1.109	1.085	1.161	1.193	1.186			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF4 =8270CAL1.D RRF10 =8270CAL2.D
RRF20 =8270CAL3.D RRF45 =8270CAL4.D RRF60 =8270CAL5.D

COMPOUND	RRF4	RRF10	RRF20	RRF45	RRF60	$\overline{RRF}$	%RSD OR R^2
Phenol-d5(SURR)	1.464	1.441	1.516	1.613	1.619		
Nitrobenzene-d5(SURR)	0.527	0.515	0.536	0.553	0.547		
2-Fluorobiphenyl(SURR)	1.504	1.477	1.534	1.626	1.585		
2,4,6-Tribromophenol(SURR)	0.232	0.261	0.273	0.289	0.292		
p-Terphenyl-d14(SURR)	0.904	0.818	0.821	0.757	0.689		

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF75 =8270CAL6.D RRF100 =8270CAL7.D

COMPOUND		RRF75	RRF100				$\overline{RRF}$	%RSD OR R^2	
Bis(2-chloroethyl)ether		1.107	1.136				1.10557	2.6	
Phenol	*	1.855	1.926				1.75904	7.1	*
2-Chlorophenol		1.175	1.208				1.15668	4.7	
2,2'-Oxybis(1-chloropropane)		0.775	0.829				0.77294	4.7	
2-Methylphenol		1.096	1.160				1.04767	7.8	
Hexachloroethane		0.602	0.615				0.59057	3.7	
N-Nitroso-di-n-propylamine	#	1.205	1.250				1.17738	5.4	#
4-Methylphenol		1.604	1.633				1.51461	6.8	
Nitrobenzene		0.538	0.540				0.53215	1.4	
Isophorone		0.653					0.63498	0.99986	
2-Nitrophenol	*	0.203	0.211				0.19693	5.3	*
2,4-Dimethylphenol		0.310	0.313				0.30321	2.5	
Bis(2-chloroethoxy)methane		0.456	0.456				0.43959	3.2	
2,4-Dichlorophenol	*	0.368	0.382				0.35774	5.9	*
Naphthalene		1.025	1.005				1.02648	2.4	
4-Chloroaniline		0.443	0.438				0.43162	2.6	
2-Methylnaphthalene		0.774	0.772				0.74689	3.5	
Hexachlorobutadiene	*	0.355	0.360				0.34168	4.5	*
4-Chloro-3-methylphenol	*	0.349	0.363				0.34436	4.2	*
Hexachlorocyclopentadiene	#	0.670	0.689				0.63111	8.6	#
2,4,6-Trichlorophenol	*	0.517	0.534				0.49778	7	*
2,4,5-Trichlorophenol		0.486	0.494				0.46015	7.2	
2-Chloronaphthalene		1.219	1.207				1.17243	4.7	
2-Nitroaniline		0.414	0.421				0.40396	6.2	
Acenaphthylene		1.769	1.702				1.73451	3.3	
Dimethylphthalate		1.345	1.307				1.347	2.9	
2,6-Dinitrotoluene		0.322	0.315				0.30449	7	
Acenaphthene	*	1.107	1.113				1.0518	6.3	*
3-Nitroaniline		0.278	0.279				0.27047	4.1	
2,4-Dinitrophenol	#	0.215	0.219				0.17918	0.9995	#
Dibenzofuran		1.740	1.714				1.71164	2.6	
2,4-Dinitrotoluene		0.456	0.467				0.42698	7.7	
4-Nitrophenol	#	0.308	0.310				0.29402	10	#
Fluorene		1.602	1.578				1.48267	8.3	

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF75 =8270CAL6.D RRF100 =8270CAL7.D

COMPOUND	RRF75	RRF100				$\overline{RRF}$	%RSD OR R^2
4-Chlorophenyl-phenylether	0.977	0.994				0.8889	10.8
Diethylphthalate	1.242	1.221				1.24358	1.8
4-Nitroaniline	0.237	0.244				0.23414	7.5
4,6-Dinitro-2-methylphenol	0.179	0.187				0.15268	0.99853
N-Nitrosodiphenylamine *	0.520	0.524				0.50383	3.1 *
4-Bromophenyl-phenylether	0.307	0.316				0.29225	6.2
Hexachlorobenzene	0.357	0.371				0.33604	7.6
Pentachlorophenol *	0.211	0.222				0.1975	12.5 *
Phenanthrene	1.035	0.998				1.03044	2.6
Anthracene	1.031	0.992				1.02634	3
Di-n-butylphthalate	1.105	1.052				1.07969	4.6
Fluoranthene *	1.179	1.132				1.18164	2.7 *
Pyrene	0.702	0.653				0.79473	12.9
Butylbenzylphthalate	0.338	0.340				0.34424	2.3
3,3'-Dichlorobenzidine	0.502	0.507				0.46301	10
Benzo(a)anthracene	0.936	0.848				1.00427	8.5
Chrysene	0.782	0.705				0.88032	13
Bis(2-ethylhexyl)phthalate	0.608	0.559				0.59501	5
Di-n-octylphthalate *	0.898	0.826				0.86193	7.2 *
Benzo(b)fluoranthene	1.070	1.027				1.06307	2.8
Benzo(k)fluoranthene	1.038	0.940				1.06816	6.3
Benzo(a)pyrene *	1.038	0.993				1.03857	3.9 *
Indeno(1,2,3-cd)pyrene	1.295	1.257				1.29416	2.6
Dibenzo(a,h)anthracene	1.149	1.087				1.13022	3.9
Benzo(g,h,i)perylene	0.927	0.878				0.98879	6.9
Acetophenone	0.628	0.654				0.60177	6.2
1,2,4,5-Tetrachlorobenzene	0.816	0.822				0.75792	7.4
Carbazole	0.857	0.851				0.85498	0.9
Caprolactam	0.114	0.124				0.10464	0.99648
1,1'-Biphenyl	1.670	1.690				1.59358	5.7
Atrazine	0.283	0.300				0.2679	8.5
Benzaldehyde	1.235	1.316				1.21908	5.2
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2-Fluorophenol(SURR)	1.171	1.186				1.15589	3.6

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SMSD03 Calibration Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1023 End: 1928

Min RRF for SPCC(#) = 0.05 Max %RSD for CCC(*) = 30 %

LAB FILE ID: RRF75 =8270CAL6.D RRF100 =8270CAL7.D

COMPOUND	RRF75	RRF100				$\overline{RRF}$	%RSD OR R^2
Phenol-d5(SURR)	1.608	1.585				1.54937	4.9
Nitrobenzene-d5(SURR)	0.549	0.552				0.53982	2.7
2-Fluorobiphenyl(SURR)	1.580	1.529				1.54784	3.3
2,4,6-Tribromophenol(SURR)	0.299	0.311				0.27947	9.5
p-Terphenyl-d14(SURR)	0.671	0.622				0.75461	13.2

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/23/12 Time: 1333

CCV ID: SSC1072998 Lab File ID: 8270SEC2.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Bis(2-chloroethyl)ether		1.10557	1.19	7.6	AVRG	
Phenol	*	1.75904	1.767	0.5	AVRG	*
2-Chlorophenol		1.15668	1.15	0.6	AVRG	
2,2'-Oxybis(1-chloropropane)		0.77294	0.80115	3.6	AVRG	
2-Methylphenol		1.04767	1.048	0.0	AVRG	
Hexachloroethane		0.59057	0.58903	0.3	AVRG	
N-Nitroso-di-n-propylamine	#	1.17738	1.244	5.7	AVRG	#
4-Methylphenol		1.51461	1.54	1.7	AVRG	
Nitrobenzene		0.53215	0.52704	1.0	AVRG	
Isophorone		45	56.2	24.9	LINR	<-
2-Nitrophenol	*	0.19693	0.19603	0.5	AVRG	*
2,4-Dimethylphenol		0.30321	0.32693	7.8	AVRG	
Bis(2-chloroethoxy)methane		0.43959	0.46869	6.6	AVRG	
2,4-Dichlorophenol	*	0.35774	0.35146	1.8	AVRG	*
Naphthalene		1.02648	1.087	5.9	AVRG	
4-Chloroaniline		0.43162	0.45571	5.6	AVRG	
2-Methylnaphthalene		0.74689	0.75534	1.1	AVRG	
Hexachlorobutadiene	*	0.34168	0.37423	9.5	AVRG	*
4-Chloro-3-methylphenol	*	0.34436	0.34325	0.3	AVRG	*
Hexachlorocyclopentadiene	#	0.63111	0.66526	5.4	AVRG	#
2,4,6-Trichlorophenol	*	0.49778	0.51405	3.3	AVRG	*
2,4,5-Trichlorophenol		0.46015	0.47926	4.2	AVRG	
2-Chloronaphthalene		1.17243	1.21	3.2	AVRG	
2-Nitroaniline		0.40396	0.43684	8.1	AVRG	
Acenaphthylene		1.73451	1.854	6.9	AVRG	
Dimethylphthalate		1.347	1.437	6.7	AVRG	
2,6-Dinitrotoluene		0.30449	0.31835	4.6	AVRG	
Acenaphthene	*	1.0518	1.086	3.3	AVRG	*
3-Nitroaniline		0.27047	0.29706	9.8	AVRG	
2,4-Dinitrophenol	#	45	49.6	10.2	LINR	#
Dibenzofuran		1.71164	1.795	4.9	AVRG	
2,4-Dinitrotoluene		0.42698	0.44249	3.6	AVRG	
4-Nitrophenol	#	0.29402	0.31262	6.3	AVRG	#
Fluorene		1.48267	1.595	7.6	AVRG	
4-Chlorophenyl-phenylether		0.8889	0.93795	5.5	AVRG	
Diethylphthalate		1.24358	1.303	4.8	AVRG	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/23/12 Time: 1333

CCV ID: SSC1072998 Lab File ID: 8270SEC2.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
4-Nitroaniline		0.23414	0.25728	9.9	AVRG	
4,6-Dinitro-2-methylphenol		45	43.7	2.9	LINR	
N-Nitrosodiphenylamine	*	0.50383	0.55994	11.1	AVRG	*
4-Bromophenyl-phenylether		0.29225	0.31014	6.1	AVRG	
Hexachlorobenzene		0.33604	0.34736	3.4	AVRG	
Pentachlorophenol	*	0.1975	0.20129	1.9	AVRG	*
Phenanthrene		1.03044	1.101	6.8	AVRG	
Anthracene		1.02634	1.104	7.6	AVRG	
Di-n-butylphthalate		1.07969	1.167	8.1	AVRG	
Fluoranthene	*	1.18164	1.292	9.3	AVRG	*
Pyrene		0.79473	0.8457	6.4	AVRG	
Butylbenzylphthalate		0.34424	0.38811	12.7	AVRG	
Benzo(a)anthracene		1.00427	1.112	10.7	AVRG	
Chrysene		0.88032	0.92345	4.9	AVRG	
Bis(2-ethylhexyl)phthalate		0.59501	0.69176	16.3	AVRG	
Di-n-octylphthalate	*	0.86193	0.98898	14.7	AVRG	*
Benzo(b)fluoranthene		1.06307	1.159	9.0	AVRG	
Benzo(k)fluoranthene		1.06816	1.158	8.4	AVRG	
Benzo(a)pyrene	*	1.03857	1.117	7.6	AVRG	*
Indeno(1,2,3-cd)pyrene		1.29416	1.395	7.8	AVRG	
Dibenzo(a,h)anthracene		1.13022	1.242	9.9	AVRG	
Benzo(g,h,i)perylene		0.98879	1.057	6.9	AVRG	
Carbazole		0.85498	0.97304	13.8	AVRG	
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2-Fluorophenol(SURR)		1.15589	1.205	4.2	AVRG	
Phenol-d5(SURR)		1.54937	1.48	4.5	AVRG	
Nitrobenzene-d5(SURR)		0.53982	0.51104	5.3	AVRG	
2-Fluorobiphenyl(SURR)		1.54784	1.521	1.7	AVRG	
2,4,6-Tribromophenol(SURR)		0.27947	0.28828	3.2	AVRG	
p-Terphenyl-d14(SURR)		0.75461	0.72682	3.7	AVRG	

Average Used: 6.2

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/23/12 Time: 1642

CCV ID: SSC1072994 Lab File ID: BSSEC.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
3,3'-Dichlorobenzidine	0.46301	0.47412	2.4	AVRG
Acetophenone	0.60177	0.55437	7.9	AVRG
Caprolactam	45	38.4	14.7	LINR
1,1'-Biphenyl	1.59358	1.404	11.9	AVRG
Atrazine	0.2679	0.23584	12.0	AVRG
Benzaldehyde	1.21908	1.153	5.4	AVRG

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/23/12 Time: 2015

CCV ID: SSC1072993 Lab File ID: AP9SEC2.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Acetophenone	0.60177	0.55655	7.5	AVRG
1,2,4,5-Tetrachlorobenzene	0.75792	0.71394	5.8	AVRG

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/26/12 Time: 1108

CCV ID: CCV1074000 Lab File ID: 8270CCV1.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
Bis(2-chloroethyl)ether		1.10557	1.156	4.6	AVRG	
Phenol	*	1.75904	1.804	2.6	AVRG	*
2-Chlorophenol		1.15668	1.182	2.2	AVRG	
2,2'-Oxybis(1-chloropropane)		0.77294	0.77676	0.5	AVRG	
2-Methylphenol		1.04767	1.084	3.5	AVRG	
Hexachloroethane		0.59057	0.62846	6.4	AVRG	
N-Nitroso-di-n-propylamine	#	1.17738	1.303	10.7	AVRG	#
4-Methylphenol		1.51461	1.632	7.8	AVRG	
Nitrobenzene		0.53215	0.57129	7.4	AVRG	
Isophorone		45	48.4	7.6	LINR	
2-Nitrophenol	*	0.19693	0.20905	6.2	AVRG	*
2,4-Dimethylphenol		0.30321	0.30002	1.1	AVRG	
Bis(2-chloroethoxy)methane		0.43959	0.4587	4.3	AVRG	
2,4-Dichlorophenol	*	0.35774	0.38245	6.9	AVRG	*
Naphthalene		1.02648	1.074	4.6	AVRG	
4-Chloroaniline		0.43162	0.44415	2.9	AVRG	
2-Methylnaphthalene		0.74689	0.7764	4.0	AVRG	
Hexachlorobutadiene	*	0.34168	0.35913	5.1	AVRG	*
4-Chloro-3-methylphenol	*	0.34436	0.36877	7.1	AVRG	*
Hexachlorocyclopentadiene	#	0.63111	0.6643	5.3	AVRG	#
2,4,6-Trichlorophenol	*	0.49778	0.5465	9.8	AVRG	*
2,4,5-Trichlorophenol		0.46015	0.48811	6.1	AVRG	
2-Chloronaphthalene		1.17243	1.224	4.4	AVRG	
2-Nitroaniline		0.40396	0.43489	7.7	AVRG	
Acenaphthylene		1.73451	1.842	6.2	AVRG	
Dimethylphthalate		1.347	1.449	7.6	AVRG	
2,6-Dinitrotoluene		0.30449	0.34223	12.4	AVRG	
Acenaphthene	*	1.0518	1.108	5.3	AVRG	*
3-Nitroaniline		0.27047	0.27322	1.0	AVRG	
2,4-Dinitrophenol	#	45	42	6.7	LINR	#
Dibenzofuran		1.71164	1.818	6.2	AVRG	
2,4-Dinitrotoluene		0.42698	0.44843	5.0	AVRG	
4-Nitrophenol	#	0.29402	0.30689	4.4	AVRG	#
Fluorene		1.48267	1.608	8.5	AVRG	
4-Chlorophenyl-phenylether		0.8889	0.96997	9.1	AVRG	
Diethylphthalate		1.24358	1.319	6.1	AVRG	

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/26/12 Time: 1108

CCV ID: CCV1074000 Lab File ID: 8270CCV1.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND		Expected	Found	%D / %Drift	Curve Type	
4-Nitroaniline		0.23414	0.22147	5.4	AVRG	
4,6-Dinitro-2-methylphenol		45	42.7	5.1	LINR	
N-Nitrosodiphenylamine	*	0.50383	0.49206	2.3	AVRG	*
4-Bromophenyl-phenylether		0.29225	0.30217	3.4	AVRG	
Hexachlorobenzene		0.33604	0.34431	2.5	AVRG	
Pentachlorophenol	*	0.1975	0.20878	5.7	AVRG	*
Phenanthrene		1.03044	1.07	3.8	AVRG	
Anthracene		1.02634	1.078	5.0	AVRG	
Di-n-butylphthalate		1.07969	1.169	8.3	AVRG	
Fluoranthene	*	1.18164	1.25	5.8	AVRG	*
Pyrene		0.79473	0.77876	2.0	AVRG	
Butylbenzylphthalate		0.34424	0.34265	0.5	AVRG	
Benzo(a)anthracene		1.00427	1.047	4.3	AVRG	
Chrysene		0.88032	0.87696	0.4	AVRG	
Bis(2-ethylhexyl)phthalate		0.59501	0.64774	8.9	AVRG	
Di-n-octylphthalate	*	0.86193	0.9651	12.0	AVRG	*
Benzo(b)fluoranthene		1.06307	1.086	2.2	AVRG	
Benzo(k)fluoranthene		1.06816	1.165	9.1	AVRG	
Benzo(a)pyrene	*	1.03857	1.087	4.7	AVRG	*
Indeno(1,2,3-cd)pyrene		1.29416	1.353	4.5	AVRG	
Dibenzo(a,h)anthracene		1.13022	1.199	6.1	AVRG	
Benzo(g,h,i)perylene		0.98879	1.007	1.8	AVRG	
Carbazole		0.85498	0.84819	0.8	AVRG	
==========						
2-Fluorophenol(SURR)		1.15589	1.168	1.0	AVRG	
Phenol-d5(SURR)		1.54937	1.642	6.0	AVRG	
Nitrobenzene-d5(SURR)		0.53982	0.58061	7.6	AVRG	
2-Fluorobiphenyl(SURR)		1.54784	1.641	6.0	AVRG	
2,4,6-Tribromophenol(SURR)		0.27947	0.29508	5.6	AVRG	
p-Terphenyl-d14(SURR)		0.75461	0.75201	0.3	AVRG	

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SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/26/12 Time: 1132

CCV ID: CCV1074002 Lab File ID: BSCCV1.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
3,3'-Dichlorobenzidine	0.46301	0.49232	6.3	AVRG
Acetophenone	0.60177	0.61964	3.0	AVRG
Caprolactam	45	46.1	2.4	LINR
1,1'-Biphenyl	1.59358	1.645	3.2	AVRG
Atrazine	0.2679	0.27856	4.0	AVRG
Benzaldehyde	1.21908	1.29	5.8	AVRG

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SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SMSD03 CalibrationDate: 04/26/12 Time: 1155

CCV ID: CCV1074001 Lab File ID: AP9CCV1.D Init. Calib. Date Begin: 04/23/12 End: 04/23/12

GC Column: HPMS-5 ID: 0.25 (mm)

Min RRF for SPCC(#) = 0.05 Max %D for CCC(*) = 20 %

COMPOUND	Expected	Found	%D / %Drift	Curve Type
Acetophenone	0.60177	0.57796	4.0	AVRG
1,2,4,5-Tetrachlorobenzene	0.75792	0.76376	0.8	AVRG

8082 PCB Organics

110512 1910

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8082 for Aroclor analysis

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8082 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
Please note CCV1074115 was below criteria at 20.3% for one peak used to quantify Aroclor-1016 on column STX-CLP1, however the total for this Aroclor passed criteria at 9.8%, meeting QC requirements.

Please note CCV1074823 was below criteria at 25.1% for one peak used to quantify Aroclor-1016 on column STX-CLP1 and below criteria at 20.6% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for these Aroclors passed criteria, meeting QC requirements.

Please note CCV1074824 was below criteria at 24.8%, 20.4%, and 23.4% for three peaks used to quantify Aroclor-1260 on column STX-CLP2, however the total for this Aroclor passed criteria at 12.5%, meeting QC requirements.

Please note CCV1074826 was below criteria at 24.5% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for this Aroclor passed criteria at 8.1%, meeting QC requirements.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met with the exception of:

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-04 was recovered above criteria for the following surrogate: Decachlorobiphenyl at 164 % with criteria of (33-140). The recovery is due to matrix interference near the elution of the surrogate.

Samples coded accordingly.

D. Spikes:

PCB 1016 and PCB 1260 were used as the spiking solution for all QC spikes.

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Data was collected using dual column analysis. Results reported from the primary column if the %D between the two columns is >40%, data is coded.

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 05/09/2012**

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: EPAFMC-SD-02 Analyte: Decachlorobiphenyl
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074115 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: CCV1074798 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074798 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074799 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: CCV1074800 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074800 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074823 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: CCV1074824 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074824 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074825 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: CCV1074826 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1074826 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1061633 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: SSC1068295 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1068295 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061637 Analyte: 1232-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061637 Analyte: 1232-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061637 Analyte: 1232-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061637 Analyte: 1232-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061637 Analyte: 1232-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061638 Analyte: 1242-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061638 Analyte: 1242-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061638 Analyte: 1242-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061638 Analyte: 1242-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061638 Analyte: 1242-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061639 Analyte: 1248-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061639 Analyte: 1248-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061639 Analyte: 1248-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061639 Analyte: 1248-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061639 Analyte: 1248-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1221-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1221-2
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1061640 Analyte: 1221-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1254-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1254-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1254-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1254-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061640 Analyte: 1254-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061641 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1061642 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061642 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061643 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1061644 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061644 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061645 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1061646 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1061646 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068282 Analyte: 1232-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068282 Analyte: 1232-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068282 Analyte: 1232-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068282 Analyte: 1232-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068282 Analyte: 1232-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068283 Analyte: 1242-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068283 Analyte: 1242-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068283 Analyte: 1242-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068283 Analyte: 1242-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068283 Analyte: 1242-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068284 Analyte: 1248-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068284 Analyte: 1248-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068284 Analyte: 1248-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068284 Analyte: 1248-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068284 Analyte: 1248-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1221-1
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1068285 Analyte: 1221-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1221-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1254-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1254-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1254-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1254-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068285 Analyte: 1254-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068286 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1068287 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068287 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068288 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Calibration Sample: STD1068289 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068289 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068290 Analyte: Decachlorobiphenyl(SURR)
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1016-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1016-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1016-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1016-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1016-5
Reason: Baseline integration, needs re-enforced due to interference on target peak

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

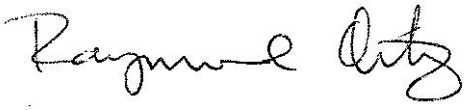
Calibration Sample: STD1068291 Analyte: 1260-1
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1260-2
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1260-3
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1260-4
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1068291 Analyte: 1260-5
Reason: Baseline integration, needs re-enforced due to interference on target peak

These manual integrations have been reviewed and meet all criteria in accordance with Spectrum Analytical Inc.'s SOP regarding manual integration.

Signature:

Name: Christelle Abadia **Title**: Chemist

CHEMIST: **DATE: 05/01/2012**



SECTION LEADER: **DATE: 05/09/2012**

PCB ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8082

EPA Sample No	Lab Sample ID
EPAFMC-SD-02	350583502
EPAFMC-SD-04	350583504

110512 1910

8082 Sample Data

110512 1910

1

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID 835-2R.D

Sample wt/vol: 33.03 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1046

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC02 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	16	U	16	37
11096-82-5	Aroclor-1260	8.7	U	8.7	37
11104-28-2	Aroclor-1221	15	U	15	37
11141-16-5	Aroclor-1232	25	U	25	37
53469-21-9	Aroclor-1242	14	U	14	37
12672-29-6	Aroclor-1248	14	U	14	37
11097-69-1	Aroclor-1254	12	U	12	37

Results reported on Primary Column, if RPD >40% results flagged accordingly.

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID 835-4R.D

Sample wt/vol: 33.04 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1101

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC04 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	21	U	21	48
11096-82-5	Aroclor-1260	11	U	11	48
11104-28-2	Aroclor-1221	19	U	19	48
11141-16-5	Aroclor-1232	32	U	32	48
53469-21-9	Aroclor-1242	18	U	18	48
12672-29-6	Aroclor-1248	18	U	18	48
11097-69-1	Aroclor-1254	15	U	15	48

Results reported on Primary Column, if RPD >40% results flagged accordingly.

8082 QC Summary

110512 1910

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PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 127811MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127811MB Lab File ID: 9229MB.D

Sample wt/vol: 33.15 Units: G Date Received: 04/27/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/27/12 Time: 1919

PercentSolids: 100 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	13	U	13	30
11096-82-5	Aroclor-1260	7	U	7	30
11104-28-2	Aroclor-1221	12	U	12	30
11141-16-5	Aroclor-1232	20	U	20	30
53469-21-9	Aroclor-1242	11	U	11	30
12672-29-6	Aroclor-1248	11	U	11	30
11097-69-1	Aroclor-1254	9.4	U	9.4	30

Results reported on Primary Column, if RPD >40% results flagged accordingly.

4

PCB ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 127811MB

Lab Name: Spectrum Analytical, Inc Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab File ID: 9229MB.D Lab Sample ID: 127811MB

Instrument ID: SECD04 Date Extracted: 04/27/12

Matrix: SOIL Date Analyzed: 04/27/12

Level:(low/med) LOW Time Analyzed: 1919

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	127812LCS	127812LCS	9229LCS.D	04/27/12	1934
2	EPAFMC-SD-02	350583502	835-2R.D	04/30/12	1046
3	EPAFMC-SD-04	350583504	835-4R.D	04/30/12	1101

COMMENTS:

2A

SOIL PCB ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3505835

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127811MB	83.8						0
127812LCS	81.7						0
EPAFMC-SD-02	74.1						0
EPAFMC-SD-04	164.0 *						1

Control Limits

S1 = Decachlorobiphenyl 33 - 140

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Form II

110512 1910

8

PCB ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: STX-CLP1 ID: 0.32 (mm) Init. Calib. Date: 03/19/12

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD1061637	44134	1232CAL3.D	03/19/12	1019		
2	STD1061638	44821	1242CAL3.D	03/19/12	1034		
3	STD1061639	44340	1248CAL3.D	03/19/12	1049		
4	STD1061640	44135	2154CAL3.D	03/19/12	1104		
5	STD1061641	44128	ACAL1.D	03/19/12	1119	8.26	
6	STD1061642	44127	ACAL2.D	03/19/12	1134	8.26	
7	STD1061643	45333	ACAL3.D	03/19/12	1149	8.26	
8	STD1061644	44125	ACAL4.D	03/19/12	1205	8.26	
9	STD1061645	44124	ACAL5.D	03/19/12	1220	8.26	
10	STD1061646	44123	ACAL6.D	03/19/12	1235	8.26	
11	SSC1061633	43164	ASEC.D	03/19/12	1250	8.26	
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	0809		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	0925		
14	CCV1074115	45333	ACCV2.D	04/27/12	1149	8.24	
15	127811MB	127811MB	9229MB.D	04/27/12	1919	8.26	
16	127812LCS	127812LCS	9229LCS.D	04/27/12	1934	8.25	
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	1950		
18	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	2005		
19	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	2020		
20	CCV1074799	45333	ACCV3.D	04/27/12	2150	8.24	
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	2321		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/30/12	0917		
23	CCV1074823	45865	ACCV1R.D	04/30/12	0934	8.25	
24	EPAFMC-SD-02	350583502	835-2R.D	04/30/12	1046	8.25	
25	EPAFMC-SD-04	350583504	835-4R.D	04/30/12	1101	8.24	
26	CCV1074825	45333	ACCV2.D	04/30/12	1201	8.24	

QC LIMITS

S1 = Decachlorobiphenyl (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

110512 1910 FORM VIII

8

PCB ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

GC Column: STX-CLP2 ID: 0.32 (mm) Init. Calib. Date: 03/19/12

Instrument ID: SECD04

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : S2 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
1	STD1068282	44134	1232CAL3.D	03/19/12	1019		
2	STD1068283	44821	1242CAL3.D	03/19/12	1034		
3	STD1068284	44340	1248CAL3.D	03/19/12	1049		
4	STD1068285	44135	2154CAL3.D	03/19/12	1104		
5	STD1068286	44128	ACAL1.D	03/19/12	1119	8.58	
6	STD1068287	44127	ACAL2.D	03/19/12	1134	8.58	
7	STD1068288	45333	ACAL3.D	03/19/12	1149	8.58	
8	STD1068289	44125	ACAL4.D	03/19/12	1205	8.58	
9	STD1068290	44124	ACAL5.D	03/19/12	1220	8.58	
10	STD1068291	44123	ACAL6.D	03/19/12	1235	8.58	
11	SSC1068295	43164	ASEC.D	03/19/12	1250	8.57	
12	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	0809		
13	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	0925		
14	CCV1074798	45333	ACCV2.D	04/27/12	1149	8.56	
15	127811MB	127811MB	9229MB.D	04/27/12	1919	8.58	
16	127812LCS	127812LCS	9229LCS.D	04/27/12	1934	8.57	
17	IDW-SOIL-1	350581601	816-1.D	04/27/12	1950		
18	IDW-SOIL-1MS	127813MS	816-1MS.D	04/27/12	2005		
19	IDW-SOIL-1MSD	127814MSD	816-1MSD.D	04/27/12	2020		
20	CCV1074800	45333	ACCV3.D	04/27/12	2150	8.56	
21	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/27/12	2321		
22	ZZZZZZ	ZZZZZZ	ZZZZZZ	04/30/12	0917		
23	CCV1074824	45865	ACCV1R.D	04/30/12	0934	8.56	
24	EPAFMC-SD-02	350583502	835-2R.D	04/30/12	1046	8.57	
25	EPAFMC-SD-04	350583504	835-4R.D	04/30/12	1101	8.56	
26	CCV1074826	45333	ACCV2.D	04/30/12	1201	8.56	

QC LIMITS

S1 = Decachlorobiphenyl (+/- 0.2 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

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FORM VIII

10

PCB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

127811MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab Sample ID: 127811MB Date(s) Analyzed: 04/27/12 04/27/12

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
Decachlorobiphenyl	*	1	8.261	8.259	0.002	2250953	0.084	25.3	
		2	8.575	8.575	0.000	2832314	0.098	29.7	16.00

* Column used for quantitation

10

PCB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

127812LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab Sample ID: 127812LCS Date(s) Analyzed: 04/27/12 04/27/12

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
Aroclor-1016	*	1	9.000	9.000	0.000	1206719	0.70	207	
		2	8.000	8.000	0.000	5517295	0.84	247	17.62
Aroclor-1260	*	1	17.000	17.000	0.000	8421639	0.69	203	
		2	17.000	17.000	0.000	8561839	0.74	218	7.13
Decachlorobiphenyl	*	1	8.245	8.259	0.014	2195568	0.082	24.1	
		2	8.565	8.575	0.010	2868490	0.10	29.4	19.81

* Column used for quantitation

10

PCB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab Sample ID: 350583502 Date(s) Analyzed: 04/30/12 04/30/12

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
Decachlorobiphenyl	*	1	8.245	8.259	0.014	1990522	0.074	27.8	
		2	8.567	8.575	0.008	2014009	0.070	26.2	5.93

* Column used for quantitation

10

PCB ORGANIC DUAL COLUMN CONFIRMATION CHECK

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Lab Sample ID: 350583504 Date(s) Analyzed: 04/30/12 04/30/12

Instrumet ID (1): SECD04 Instrumet ID (2): SECD04

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

COMPOUND		COL	RT	EXP RT	DIFF	AREA	AMOUNT	CONC	%D
Decachlorobiphenyl	*	1	8.242	8.259	0.017	4400237	0.16	79.9	
		2	8.564	8.575	0.011	2157744	0.075	36.6	74.33

* Column used for quantitation

3

PCB ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20051 | 127812LCS

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	295	207	70.2			43 - 137
Aroclor-1260	295	203	68.8			48 - 154

Spike Recovery: 0 out of 2 outside limits

Results reported on Primary Column, if RPD >40% results flagged accordingly.

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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Form III

8082 Standards Data

110512 1910

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID:	RRF0.006 =ACAL1.D	RRF0.02 =ACAL2.D
RRF0.1 =1232CAL3.D	RRF0.2 =ACAL4.D	RRF0.4 =ACAL5.D

COMPOUND	RRF0.006	RRF0.02	RRF0.1	RRF0.2	RRF0.4
1016-1	1224166.667	1166700	987160	910120	907685
1016-2	1254666.667	1348250	1205110	1109145	1131357.5
1016-3	3940833.333	3844450	3533550	3259960	3389112.5
1016-4	2018666.667	1776700	1627280	1478865	1537230
1016-5	1144666.667	1048900	939700	870990	916030
1260-1	15089500	13994650	14102970	13483805	15022787.5
1260-2	10532500	9447250	9201690	8814305	9759912.5
1260-3	8237666.667	7659850	7389720	7148080	7787600
1260-4	24515833.33	22428700	22210220	21458870	24006730
1260-5	5195666.667	4838200	4698090	4542020	4795945
1221-1			241094.118		
1221-2			159041.176		
1221-3			777670.588		
1232-1			267110		
1232-2			1052100		
1232-3			578580		
1232-4			1538490		
1232-5			692920		
1242-1			687200		
1242-2			857940		
1242-3			2476670		
1242-4			1113750		
1242-5			1115990		
1248-1			1660440		
1248-2			1325740		
1248-3			1261350		
1248-4			2591200		
1248-5			5060360		
1254-1			3140220		
1254-2			7480220		
1254-3			3353660		
1254-4			8511590		
1254-5			8185030		

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PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID:	RRF0.006 =ACAL1.D	RRF0.02 =ACAL2.D			
RRF0.1 =1232CAL3.D	RRF0.2 =ACAL4.D	RRF0.4 =ACAL5.D			
COMPOUND	RRF0.006	RRF0.02	RRF0.1	RRF0.2	RRF0.4
Decachlorobiphenyl(SURR)	30029666.67	27913400	25975880	24462030	25866940

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.5 =ACAL6.D

COMPOUND	RRF0.5				
1016-1	957742				
1016-2	1180378				
1016-3	3559386				
1016-4	1597720				
1016-5	941104				
1260-1	16179796				
1260-2	10433498				
1260-3	8444048				
1260-4	25643460				
1260-5	4937962				
1221-1					
1221-2					
1221-3					
1232-1					
1232-2					
1232-3					
1232-4					
1232-5					
1242-1					
1242-2					
1242-3					
1242-4					
1242-5					
1248-1					
1248-2					
1248-3					
1248-4					
1248-5					
1254-1					
1254-2					
1254-3					
1254-4					
1254-5					

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.5 =ACAL6.D

COMPOUND	RRF0.5				
Decachlorobiphenyl(SURR)	27035496				

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FORM VI

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PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
1016-1	AVRG		1025595.611	13.3
1016-2	AVRG		1204817.861	7.3
1016-3	AVRG		3587881.972	7.3
1016-4	AVRG		1672743.611	11.8
1016-5	AVRG		976898.4444	10.3
1260-1	AVRG		14645584.75	6.7
1260-2	AVRG		9698192.583	7
1260-3	AVRG		7777827.444	6.3
1260-4	AVRG		23377302.22	6.8
1260-5	AVRG		4834647.278	4.6
1221-1	AVRG		241094.1176	0
1221-2	AVRG		159041.1765	0
1221-3	AVRG		777670.5882	0
1232-1	AVRG		267110	0
1232-2	AVRG		1052100	0
1232-3	AVRG		578580	0
1232-4	AVRG		1538490	0
1232-5	AVRG		692920	0
1242-1	AVRG		687200	0
1242-2	AVRG		857940	0
1242-3	AVRG		2476670	0
1242-4	AVRG		1113750	0
1242-5	AVRG		1115990	0
1248-1	AVRG		1660440	0
1248-2	AVRG		1325740	0
1248-3	AVRG		1261350	0
1248-4	AVRG		2591200	0
1248-5	AVRG		5060360	0
1254-1	AVRG		3140220	0
1254-2	AVRG		7480220	0
1254-3	AVRG		3353660	0
1254-4	AVRG		8511590	0

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PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
1254-5	AVRG		8185030	0
==========	==========	==========	==========	==========
Decachlorobiphenyl(SURR)	AVRG		26880568.78	7.2

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT1: ACAL1.D RT2: ACAL2.D
RT3: 1232CAL3.D RT4: ACAL4.D RT5: ACAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
1016-1	3.760	3.759	3.759	3.763	3.754			
1016-2	4.173	4.178	4.178	4.180	4.174			
1016-3	4.660	4.662	4.661	4.662	4.657			
1016-4	4.786	4.785	4.787	4.788	4.783			
1016-5	5.226	5.224	5.224	5.226	5.222			
1260-1	6.286	6.286	6.287	6.288	6.286			
1260-2	6.561	6.561	6.562	6.563	6.561			
1260-3	6.745	6.745	6.746	6.746	6.744			
1260-4	6.972	6.972	6.972	6.973	6.972			
1260-5	7.751	7.753	7.752	7.753	7.751			
1221-1			3.507					
1221-2			3.699					
1221-3			3.754					
1232-1			3.505					
1232-2			3.754					
1232-3			4.175					
1232-4			4.659					
1232-5			4.784					
1242-1			3.758					
1242-2			4.177					
1242-3			4.660					
1242-4			4.785					
1242-5			4.845					
1248-1			4.658					
1248-2			4.946					
1248-3			5.223					
1248-4			5.429					
1248-5			5.494					
1254-1			5.495					
1254-2			5.659					
1254-3			5.876					
1254-4			5.966					
1254-5			6.166					
==========								
Decachlorobiphenyl(SURR)	8.257	8.257	8.258	8.259	8.257			

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = 0 Max %RSD for CCC(*) = 0 %

LAB FILE ID: RT6: ACAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
1016-1	3.754					3.759	3.559	3.959
1016-2	4.174					4.178	3.978	4.378
1016-3	4.657					4.661	4.461	4.861
1016-4	4.783					4.787	4.587	4.987
1016-5	5.222					5.224	5.024	5.424
1260-1	6.286					6.287	6.087	6.487
1260-2	6.561					6.562	6.362	6.762
1260-3	6.744					6.746	6.546	6.946
1260-4	6.972					6.972	6.772	7.172
1260-5	7.751					7.752	7.552	7.952
1221-1						3.507	3.307	3.707
1221-2						3.699	3.499	3.899
1221-3						3.754	3.554	3.954
1232-1						3.505	3.305	3.705
1232-2						3.754	3.554	3.954
1232-3						4.175	3.975	4.375
1232-4						4.659	4.459	4.859
1232-5						4.784	4.584	4.984
1242-1						3.758	3.558	3.958
1242-2						4.177	3.977	4.377
1242-3						4.660	4.460	4.860
1242-4						4.785	4.585	4.985
1242-5						4.845	4.645	5.045
1248-1						4.658	4.458	4.858
1248-2						4.946	4.746	5.146
1248-3						5.223	5.023	5.423
1248-4						5.429	5.229	5.629
1248-5						5.494	5.294	5.694
1254-1						5.495	5.295	5.695
1254-2						5.659	5.459	5.859
1254-3						5.876	5.676	6.076
1254-4						5.966	5.766	6.166
1254-5						6.166	5.966	6.366
==========								
Decachlorobiphenyl(SURR)	8.257					8.258	8.058	8.458

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.006 =ACAL1.D RRF0.02 =ACAL2.D
RRF0.1 =1232CAL3.D RRF0.2 =ACAL4.D RRF0.4 =ACAL5.D

COMPOUND	RRF0.006	RRF0.02	RRF0.1	RRF0.2	RRF0.4
1016-1	5444000	4255100	4208740	3634265	3970917.5
1016-2	7287000	5918150	5656890	5169400	5413327.5
1016-3	15425666.67	13593750	13153840	12221985	13048437.5
1016-4	6367833.333	5549550	5171050	4773855	5044020
1016-5	4784666.667	4076850	3835600	3543355	3821517.5
1260-1	11846333.33	10627700	10452050	9910370	10741982.5
1260-2	10657500	9391000	9090340	8522245	9143587.5
1260-3	11472666.67	9412200	8887540	8288095	9007900
1260-4	24649166.67	22920550	22804070	21690255	23378765
1260-5	5420333.333	5004900	4983250	4696295	5163575
1221-1			919711.765		
1221-2			555841.176		
1221-3			2224752.941		
1232-1			966530		
1232-2			2955030		
1232-3			2563050		
1232-4			1189620		
1232-5			5588370		
1242-1			1989650		
1242-2			3998150		
1242-3			9162350		
1242-4			3615650		
1242-5			2450270		
1248-1			2889790		
1248-2			3896570		
1248-3			4809420		
1248-4			5494540		
1248-5			6554280		
1254-1			3273840		
1254-2			4926720		
1254-3			5788480		
1254-4			4285090		
1254-5			9056390		

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.006 =ACAL1.D RRF0.02 =ACAL2.D
RRF0.1 =1232CAL3.D RRF0.2 =ACAL4.D RRF0.4 =ACAL5.D

COMPOUND	RRF0.006	RRF0.02	RRF0.1	RRF0.2	RRF0.4
Decachlorobiphenyl(SURR)	29697000	28820200	27981580	26672940	28917585

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.5 =ACAL6.D

COMPOUND	RRF0.5				
1016-1	4234300				
1016-2	5710428				
1016-3	13840328				
1016-4	5360182				
1016-5	4050494				
1260-1	11413802				
1260-2	9715070				
1260-3	9594134				
1260-4	24551914				
1260-5	5549144				
1221-1					
1221-2					
1221-3					
1232-1					
1232-2					
1232-3					
1232-4					
1232-5					
1242-1					
1242-2					
1242-3					
1242-4					
1242-5					
1248-1					
1248-2					
1248-3					
1248-4					
1248-5					
1254-1					
1254-2					
1254-3					
1254-4					
1254-5					

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

LAB FILE ID: RRF0.5 =ACAL6.D

COMPOUND	RRF0.5				
==========	==========	==========	==========	==========	==========
Decachlorobiphenyl(SURR)	30556240				

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
1016-1	AVRG		4291220.417	14.3
1016-2	AVRG		5859199.25	12.7
1016-3	AVRG		13547334.53	7.9
1016-4	AVRG		5377748.389	10.3
1016-5	AVRG		4018747.194	10.5
1260-1	AVRG		10832039.64	6.4
1260-2	AVRG		9419957.083	7.7
1260-3	AVRG		9443755.944	11.6
1260-4	AVRG		23332453.44	4.8
1260-5	AVRG		5136249.556	6.1
1221-1	AVRG		919711.7647	0
1221-2	AVRG		555841.1765	0
1221-3	AVRG		2224752.941	0
1232-1	AVRG		966530	0
1232-2	AVRG		2955030	0
1232-3	AVRG		2563050	0
1232-4	AVRG		1189620	0
1232-5	AVRG		5588370	0
1242-1	AVRG		1989650	0
1242-2	AVRG		3998150	0
1242-3	AVRG		9162350	0
1242-4	AVRG		3615650	0
1242-5	AVRG		2450270	0
1248-1	AVRG		2889790	0
1248-2	AVRG		3896570	0
1248-3	AVRG		4809420	0
1248-4	AVRG		5494540	0
1248-5	AVRG		6554280	0
1254-1	AVRG		3273840	0
1254-2	AVRG		4926720	0
1254-3	AVRG		5788480	0
1254-4	AVRG		4285090	0
1254-5	AVRG		9056390	0

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

COMPOUND	CURVE	COEFFICIENTS AO	COEFFICIENTS A1	%RSD OR R^2
==========	==========	==========	==========	==========
Decachlorobiphenyl(SURR)	AVRG		28774257.5	4.7

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT1: ACAL1.D RT2: ACAL2.D
RT3: 1232CAL3.D RT4: ACAL4.D RT5: ACAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
1016-1	3.886	3.886	3.887	3.888	3.882			
1016-2	4.326	4.326	4.327	4.328	4.324			
1016-3	4.769	4.769	4.768	4.769	4.767			
1016-4	4.890	4.890	4.889	4.890	4.888			
1016-5	5.281	5.281	5.281	5.281	5.279			
1260-1	6.347	6.348	6.348	6.348	6.347			
1260-2	6.656	6.657	6.657	6.657	6.656			
1260-3	6.876	6.877	6.877	6.877	6.876			
1260-4	7.055	7.056	7.055	7.054	7.054			
1260-5	7.888	7.889	7.889	7.888	7.888			
1221-1			3.636					
1221-2			3.809					
1221-3			3.882					
1232-1			3.635					
1232-2			3.882					
1232-3			4.323					
1232-4			4.570					
1232-5			4.767					
1242-1			3.884					
1242-2			4.325					
1242-3			4.769					
1242-4			4.889					
1242-5			4.979					
1248-1			4.750					
1248-2			5.052					
1248-3			5.280					
1248-4			5.573					
1248-5			5.611					
1254-1			5.052					
1254-2			5.607					
1254-3			5.742					
1254-4			5.998					
1254-5			6.081					

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT1: ACAL1.D RT2: ACAL2.D
RT3: 1232CAL3.D RT4: ACAL4.D RT5: ACAL5.D

COMPOUND	RT1	RT2	RT3	RT4	RT5	MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl(SURR)	8.576	8.576	8.577	8.577	8.575			

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT6: ACAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
1016-1	3.882					3.887	3.687	4.087
1016-2	4.323					4.327	4.127	4.527
1016-3	4.767					4.768	4.568	4.968
1016-4	4.887					4.889	4.689	5.089
1016-5	5.279					5.281	5.081	5.481
1260-1	6.347					6.348	6.148	6.548
1260-2	6.655					6.657	6.457	6.857
1260-3	6.876					6.877	6.677	7.077
1260-4	7.054					7.055	6.855	7.255
1260-5	7.888					7.889	7.689	8.089
1221-1						3.636	3.436	3.836
1221-2						3.809	3.609	4.009
1221-3						3.882	3.682	4.082
1232-1						3.635	3.435	3.835
1232-2						3.882	3.682	4.082
1232-3						4.323	4.123	4.523
1232-4						4.570	4.370	4.770
1232-5						4.767	4.567	4.967
1242-1						3.884	3.684	4.084
1242-2						4.325	4.125	4.525
1242-3						4.769	4.569	4.969
1242-4						4.889	4.689	5.089
1242-5						4.979	4.779	5.179
1248-1						4.750	4.550	4.950
1248-2						5.052	4.852	5.252
1248-3						5.280	5.080	5.480
1248-4						5.573	5.373	5.773
1248-5						5.611	5.411	5.811
1254-1						5.052	4.852	5.252
1254-2						5.607	5.407	5.807
1254-3						5.742	5.542	5.942
1254-4						5.998	5.798	6.198
1254-5						6.081	5.881	6.281

6

PCB ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Instrument ID: SECD04 Calibration Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm) Calibration Time Begin: 1019 End: 1235

Min RRF for SPCC(#) = Max %RSD for CCC(*) = %

LAB FILE ID: RT6: ACAL6.D

COMPOUND	RT6					MIDCAL RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl(SURR)	8.575					8.577	8.377	8.777

7SSC

PCB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 03/19/12 Time: 1250

CCV ID: SSC1061633 Lab File ID: ASEC.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	1025595.6	868730	15.3	AVRG
1016-2	1204817.9	1221880	1.4	AVRG
1016-3	3587882	3697290	3.0	AVRG
1016-4	1672743.6	1569850	6.2	AVRG
1016-5	976898.45	927060	5.1	AVRG
1260-1	14645585	14219810	2.9	AVRG
1260-2	9698192.6	9245190	4.7	AVRG
1260-3	7777827.5	7365300	5.3	AVRG
1260-4	23377302	22272670	4.7	AVRG
1260-5	4834647.3	4776160	1.2	AVRG
==========				
Decachlorobiphenyl(SURR)	26880569	26630920	0.9	AVRG

7SSC

PCB ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 03/19/12 Time: 1250

CCV ID: SSC1068295 Lab File ID: ASEC.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	4291220.4	4201620	2.1	AVRG
1016-2	5859199.3	5389440	8.0	AVRG
1016-3	13547335	12906450	4.7	AVRG
1016-4	5377748.4	5139320	4.4	AVRG
1016-5	4018747.2	3775470	6.1	AVRG
1260-1	10832040	10403460	4.0	AVRG
1260-2	9419957.1	8916190	5.3	AVRG
1260-3	9443756	9133530	3.3	AVRG
1260-4	23332454	22861510	2.0	AVRG
1260-5	5136249.5	5310680	3.4	AVRG
==========				
Decachlorobiphenyl(SURR)	28774258	28922960	0.5	AVRG

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/27/12 Time: 1149

CCV ID: CCV1074115 Lab File ID: ACCV2.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type	
1016-1	1025595.6	924550	9.9	AVRG	
1016-2	1204817.9	1205000	0.0	AVRG	
1016-3	3587882	3066420	14.5	AVRG	
1016-4	1672743.6	1538400	8.0	AVRG	
1016-5	976898.45	778780	20.3	AVRG	<-
1260-1	14645585	11923900	18.6	AVRG	
1260-2	9698192.6	8600330	11.3	AVRG	
1260-3	7777827.5	6644520	14.6	AVRG	
1260-4	23377302	21557190	7.8	AVRG	
1260-5	4834647.3	4836720	0.0	AVRG	
==========					
Decachlorobiphenyl(SURR)	26880569	25996960	3.3	AVRG	

Average Used: 9.8

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/27/12 Time: 1149

CCV ID: CCV1074798 Lab File ID: ACCV2.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	4291220.4	4763230	11.0	AVRG
1016-2	5859199.3	5669940	3.2	AVRG
1016-3	13547335	13383510	1.2	AVRG
1016-4	5377748.4	5311110	1.2	AVRG
1016-5	4018747.2	3883680	3.4	AVRG
1260-1	10832040	8772360	19.0	AVRG
1260-2	9419957.1	8906060	5.5	AVRG
1260-3	9443756	8464750	10.4	AVRG
1260-4	23332454	22145740	5.1	AVRG
1260-5	5136249.5	5068130	1.3	AVRG
==========				
Decachlorobiphenyl(SURR)	28774258	31795780	10.5	AVRG

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/27/12 Time: 2150

CCV ID: CCV1074799 Lab File ID: ACCV3.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	1025595.6	977310	4.7	AVRG
1016-2	1204817.9	1233070	2.3	AVRG
1016-3	3587882	3282300	8.5	AVRG
1016-4	1672743.6	1584710	5.3	AVRG
1016-5	976898.45	813860	16.7	AVRG
1260-1	14645585	12586160	14.1	AVRG
1260-2	9698192.6	9038010	6.8	AVRG
1260-3	7777827.5	6794940	12.6	AVRG
1260-4	23377302	21880270	6.4	AVRG
1260-5	4834647.3	4650270	3.8	AVRG
==========				
Decachlorobiphenyl(SURR)	26880569	24452500	9.0	AVRG

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/27/12 Time: 2150

CCV ID: CCV1074800 Lab File ID: ACCV3.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	4291220.4	4662160	8.6	AVRG
1016-2	5859199.3	5846620	0.2	AVRG
1016-3	13547335	12728370	6.0	AVRG
1016-4	5377748.4	4810450	10.5	AVRG
1016-5	4018747.2	3698090	8.0	AVRG
1260-1	10832040	8682370	19.8	AVRG
1260-2	9419957.1	7827080	16.9	AVRG
1260-3	9443756	7702220	18.4	AVRG
1260-4	23332454	20032470	14.1	AVRG
1260-5	5136249.5	4826660	6.0	AVRG
==========				
Decachlorobiphenyl(SURR)	28774258	29885180	3.9	AVRG

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/30/12 Time: 0934

CCV ID: CCV1074823 Lab File ID: ACCV1R.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type	
1016-1	1025595.6	909830	11.3	AVRG	
1016-2	1204817.9	1209840	0.4	AVRG	
1016-3	3587882	3025490	15.7	AVRG	
1016-4	1672743.6	1469830	12.1	AVRG	
1016-5	976898.45	731410	25.1	AVRG	<-
1260-1	14645585	11627280	20.6	AVRG	<-
1260-2	9698192.6	8437350	13.0	AVRG	
1260-3	7777827.5	6582640	15.4	AVRG	
1260-4	23377302	21024840	10.1	AVRG	
1260-5	4834647.3	5066160	4.8	AVRG	
==========					
Decachlorobiphenyl(SURR)	26880569	23855160	11.3	AVRG	

Average Used: 12.7

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/30/12 Time: 0934

CCV ID: CCV1074824 Lab File ID: ACCV1R.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type	
1016-1	4291220.4	4377040	2.0	AVRG	
1016-2	5859199.3	5502320	6.1	AVRG	
1016-3	13547335	12565480	7.2	AVRG	
1016-4	5377748.4	4857730	9.7	AVRG	
1016-5	4018747.2	3481620	13.4	AVRG	
1260-1	10832040	8149910	24.8	AVRG	<-
1260-2	9419957.1	7494250	20.4	AVRG	<-
1260-3	9443756	7229800	23.4	AVRG	<-
1260-4	23332454	19440960	16.7	AVRG	
1260-5	5136249.5	4575120	10.9	AVRG	
==========					
Decachlorobiphenyl(SURR)	28774258	27933760	2.9	AVRG	

Average Used: 12.5

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/30/12 Time: 1201

CCV ID: CCV1074825 Lab File ID: ACCV2.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP1 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type
1016-1	1025595.6	955080	6.9	AVRG
1016-2	1204817.9	1257830	4.4	AVRG
1016-3	3587882	3319680	7.5	AVRG
1016-4	1672743.6	1629610	2.6	AVRG
1016-5	976898.45	824970	15.6	AVRG
1260-1	14645585	12817550	12.5	AVRG
1260-2	9698192.6	9049590	6.7	AVRG
1260-3	7777827.5	6888850	11.4	AVRG
1260-4	23377302	22213050	5.0	AVRG
1260-5	4834647.3	4836850	0.0	AVRG
==========				
Decachlorobiphenyl(SURR)	26880569	25325260	5.8	AVRG

7

PCB ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID: SECD04 CalibrationDate: 04/30/12 Time: 1201

CCV ID: CCV1074826 Lab File ID: ACCV2.D Init. Calib. Date Begin: 03/19/12 End: 03/19/12

GC Column: STX-CLP2 ID: 0.32 (mm)

COMPOUND	Expected	Found	%D / %Drift	Curve Type	
1016-1	4291220.4	4343810	1.2	AVRG	
1016-2	5859199.3	5852630	0.1	AVRG	
1016-3	13547335	13544850	0.0	AVRG	
1016-4	5377748.4	4961970	7.7	AVRG	
1016-5	4018747.2	3822470	4.9	AVRG	
1260-1	10832040	8173330	24.5	AVRG	<-
1260-2	9419957.1	8157460	13.4	AVRG	
1260-3	9443756	7957590	15.7	AVRG	
1260-4	23332454	20918720	10.3	AVRG	
1260-5	5136249.5	5383290	4.8	AVRG	
==========					
Decachlorobiphenyl(SURR)	28774258	30611580	6.4	AVRG	

Average Used: 8.1

Inorganics

110512 1910

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

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Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

110512 1910

Metals Data Package

110512 1910

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3050B.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met with the exception of:
Blank 127448MB was analyzed with the soil samples on 04/27/12. The following analyte(s) were detected below RL: Antimony at 0.273 mg/Kg, Iron at 2.51 mg/Kg. The hits in the blank are below the RL, therefore, no corrective action was taken.
Samples coded accordingly.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - EPAFMC-SD-01MS was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered below criteria: Zinc at 62.3 % with criteria of (75-125) and the following analyte(s) were recovered above criteria: Aluminum at 130.8 % with criteria of (75-125), Iron at 188.6 % with criteria of (75-125).

MS - EPAFMC-SD-01MSDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 316.6 % with criteria of (75-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Aluminum at 132.3 % with criteria of (75-125), Chromium at 133.7 % with criteria of (75-125), Iron at 181.8 % with criteria of (75-125).

SD - EPAFMC-SD-01SDDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 161.6 % with criteria of (75-125). The most probable cause for the MS/MSD exceeding limits is sample matrix due to the fact that the LCS/LCSD pass all quality control criteria. No further action was taken. Samples coded accordingly.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.
Sample EPAFMC-SD-01 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-02 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-03 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/07/2012**

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

5-

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Samples were analyzed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 7471A.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 7471A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/09/2012**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Were ICP interelement corrections applied? Yes/No Yes

Were ICP background corrections applied? Yes/No Yes

If yes - were raw data generated before application of background corrections? Yes/No No

Comments:

110512 1910

Metals Inorganic Sample Data

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5740		N	P		2.33	12.3
7440-36-0	Antimony	0.715	J		P		0.294	1.23
7440-38-2	Arsenic	10.1			P		0.613	1.23
7440-39-3	Barium	48.2			P		0.196	0.613
7440-41-7	Beryllium	0.503	J		P		0.196	0.613
7440-43-9	Cadmium	0.0613	U		P		0.0613	0.613
7440-70-2	Calcium	14300			P		4.05	12.3
7440-47-3	Chromium	32.6		N	P		0.196	0.613
7440-48-4	Cobalt	7.08			P		0.0613	0.613
7440-50-8	Copper	14			P		0.196	0.613
7439-89-6	Iron	21900		N	P		0.736	6.13
7439-92-1	Lead	18.8			P		0.417	0.981
7439-95-4	Magnesium	3590			P		3.56	12.3
7439-97-6	Mercury	0.067			CV		0.00487	0.0263
7440-02-0	Nickel	9.16			P		0.196	0.613
7440-09-7	Potassium	466			P		6.13	61.3
7782-49-2	Selenium	0.491	U		P		0.491	2.45
7440-22-4	Silver	0.196	U		P		0.196	0.613
7440-23-5	Sodium	98			P		12.3	36.8
7440-28-0	Thallium	0.417	U		P		0.417	1.23
7440-62-2	Vanadium	28.5			P		0.196	0.613

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	147		N	P		0.405	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	633			P		0.392	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5920			P		2.26	11.9
7440-36-0	Antimony	0.828	J		P		0.285	1.19
7440-38-2	Arsenic	14.1			P		0.593	1.19
7440-39-3	Barium	86.8			P		0.19	0.593
7440-41-7	Beryllium	0.711			P		0.19	0.593
7440-43-9	Cadmium	0.0593	U		P		0.0593	0.593
7440-70-2	Calcium	18800			P		3.92	11.9
7440-47-3	Chromium	37.7			P		0.19	0.593
7440-48-4	Cobalt	8.12			P		0.0593	0.593
7440-50-8	Copper	18.1			P		0.19	0.593
7439-89-6	Iron	22600			P		0.712	5.93
7439-92-1	Lead	32.4			P		0.404	0.95
7439-95-4	Magnesium	5130			P		3.44	11.9
7439-97-6	Mercury	0.0564			CV		0.00437	0.0236
7440-02-0	Nickel	14.3			P		0.19	0.593
7440-09-7	Potassium	562			P		5.93	59.3
7782-49-2	Selenium	0.475	U		P		0.475	2.37
7440-22-4	Silver	0.19	U		P		0.19	0.593
7440-23-5	Sodium	104			P		11.9	35.6
7440-28-0	Thallium	0.404	U		P		0.404	1.19
7440-62-2	Vanadium	27.3			P		0.19	0.593

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	180			P		0.392	1.19

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	1580			P		0.95	2.97

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	4400			P		2.17	11.4
7440-36-0	Antimony	0.357	J		P		0.274	1.14
7440-38-2	Arsenic	8.44			P		0.572	1.14
7440-39-3	Barium	48.8			P		0.183	0.572
7440-41-7	Beryllium	0.455	J		P		0.183	0.572
7440-43-9	Cadmium	0.0572	U		P		0.0572	0.572
7440-70-2	Calcium	14000			P		3.78	11.4
7440-47-3	Chromium	28.8			P		0.183	0.572
7440-48-4	Cobalt	5.27			P		0.0572	0.572
7440-50-8	Copper	7.72			P		0.183	0.572
7439-89-6	Iron	17600			P		0.686	5.72
7439-92-1	Lead	18.7			P		0.389	0.915
7439-95-4	Magnesium	4150			P		3.32	11.4
7439-97-6	Mercury	0.042			CV		0.00276	0.0149
7440-02-0	Nickel	7.81			P		0.183	0.572
7440-09-7	Potassium	352			P		5.72	57.2
7782-49-2	Selenium	0.458	U		P		0.458	2.29
7440-22-4	Silver	0.183	U		P		0.183	0.572
7440-23-5	Sodium	98.7			P		11.4	34.3
7440-28-0	Thallium	0.521	J		P		0.389	1.14
7440-62-2	Vanadium	24.6			P		0.183	0.572

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	148			P		0.378	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	605			P		0.366	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	9290			P		2.56	13.5
7440-36-0	Antimony	0.976	J		P		0.324	1.35
7440-38-2	Arsenic	11.9			P		0.674	1.35
7440-39-3	Barium	80.1			P		0.216	0.674
7440-41-7	Beryllium	0.642	J		P		0.216	0.674
7440-43-9	Cadmium	0.0674	U		P		0.0674	0.674
7440-70-2	Calcium	14500			P		4.45	13.5
7440-47-3	Chromium	26.9			P		0.216	0.674
7440-48-4	Cobalt	14.4			P		0.0674	0.674
7440-50-8	Copper	26.2			P		0.216	0.674
7439-89-6	Iron	33100			P		0.809	6.74
7439-92-1	Lead	29.1			P		0.458	1.08
7439-95-4	Magnesium	6040			P		3.91	13.5
7439-97-6	Mercury	0.0747			CV		0.00374	0.0202
7440-02-0	Nickel	18.4			P		0.216	0.674
7440-09-7	Potassium	868			P		6.74	67.4
7782-49-2	Selenium	0.539	U		P		0.539	2.7
7440-22-4	Silver	0.216	U		P		0.216	0.674
7440-23-5	Sodium	59			P		13.5	40.4
7440-28-0	Thallium	0.588	J		P		0.458	1.35
7440-62-2	Vanadium	40.7			P		0.216	0.674

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	162			P		0.445	1.35

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-04DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	838			P		1.08	3.37

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	3770			P		1.71	9.02
7440-36-0	Antimony	1			P		0.216	0.902
7440-38-2	Arsenic	6.59			P		0.451	0.902
7440-39-3	Barium	107			P		0.144	0.451
7440-41-7	Beryllium	0.296	J		P		0.144	0.451
7440-43-9	Cadmium	1.67			P		0.0451	0.451
7440-70-2	Calcium	9780			P		2.98	9.02
7440-47-3	Chromium	17.6			P		0.144	0.451
7440-48-4	Cobalt	4.03			P		0.0451	0.451
7440-50-8	Copper	52.3			P		0.144	0.451
7439-89-6	Iron	13300			P		0.541	4.51
7439-92-1	Lead	129			P		0.307	0.721
7439-95-4	Magnesium	2130			P		2.62	9.02
7439-96-5	Manganese	225			P		0.144	0.451
7439-97-6	Mercury	0.442			CV		0.00342	0.0185
7440-02-0	Nickel	11.3			P		0.144	0.451
7440-09-7	Potassium	315			P		4.51	45.1
7782-49-2	Selenium	0.361	U		P		0.361	1.8
7440-22-4	Silver	0.258	J		P		0.144	0.451
7440-23-5	Sodium	61.3			P		9.02	27
7440-28-0	Thallium	0.307	U		P		0.307	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	9.2			P		0.144	0.451
7440-66-6	Zinc	392			P		0.298	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	2700			P		2.14	11.2
7440-36-0	Antimony	1.21			P		0.27	1.12
7440-38-2	Arsenic	10.5			P		0.563	1.12
7440-39-3	Barium	73.2			P		0.18	0.563
7440-41-7	Beryllium	0.256	J		P		0.18	0.563
7440-43-9	Cadmium	2.16			P		0.0563	0.563
7440-70-2	Calcium	9890			P		3.71	11.2
7440-47-3	Chromium	19.7			P		0.18	0.563
7440-48-4	Cobalt	4.18			P		0.0563	0.563
7440-50-8	Copper	62.5			P		0.18	0.563
7439-89-6	Iron	14800			P		0.675	5.63
7439-92-1	Lead	135			P		0.383	0.9
7439-95-4	Magnesium	2240			P		3.26	11.2
7439-96-5	Manganese	350			P		0.18	0.563
7439-97-6	Mercury	0.327			CV		0.00332	0.0179
7440-02-0	Nickel	9.35			P		0.18	0.563
7440-09-7	Potassium	271			P		5.63	56.3
7782-49-2	Selenium	0.45	U		P		0.45	2.25
7440-22-4	Silver	0.18	U		P		0.18	0.563
7440-23-5	Sodium	61.5			P		11.2	33.8
7440-28-0	Thallium	0.486	J		P		0.383	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	10.7			P		0.18	0.563
7440-66-6	Zinc	427			P		0.371	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

Metals Inorganic QC Summary Data

110512 1910

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	1.84	U		P		1.84	9.71
7440-36-0	Antimony	0.273	J		P		0.233	0.971
7440-38-2	Arsenic	0.485	U		P		0.485	0.971
7440-39-3	Barium	0.155	U		P		0.155	0.485
7440-41-7	Beryllium	0.155	U		P		0.155	0.485
7440-43-9	Cadmium	0.0485	U		P		0.0485	0.485
7440-70-2	Calcium	3.2	U		P		3.2	9.71
7440-47-3	Chromium	0.155	U		P		0.155	0.485
7440-48-4	Cobalt	0.0485	U		P		0.0485	0.485
7440-50-8	Copper	0.155	U		P		0.155	0.485
7439-89-6	Iron	2.51	J		P		0.582	4.85
7439-92-1	Lead	0.33	U		P		0.33	0.777
7439-95-4	Magnesium	2.82	U		P		2.82	9.71
7439-96-5	Manganese	0.155	U		P		0.155	0.485
7440-02-0	Nickel	0.155	U		P		0.155	0.485
7440-09-7	Potassium	4.85	U		P		4.85	48.5
7782-49-2	Selenium	0.388	U		P		0.388	1.94
7440-22-4	Silver	0.155	U		P		0.155	0.485
7440-23-5	Sodium	9.71	U		P		9.71	29.1
7440-28-0	Thallium	0.33	U		P		0.33	0.971
7440-62-2	Vanadium	0.155	U		P		0.155	0.485

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	0.32	U		P		0.32	0.971

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

127971MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127971MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-97-6	Mercury	0.00361	U		CV		0.00361	0.0195

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

110512 1910

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Initial Calibration Source: 45799
45433

Continuing Calibration Source: 45798
45624

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Aluminum	40000	39900.000	99.8	25000	24300.000	97.2	24200.000	96.8	P
Antimony	400	388.000	97.0	500	484.000	96.8	496.000	99.2	P
Arsenic	400	404.000	101.0	500	490.000	98.0	494.000	98.8	P
Barium	1200	1190.000	99.2	500	494.000	98.8	503.000	100.6	P
Beryllium	400	421.000	105.2	500	504.000	100.8	492.000	98.4	P
Cadmium	400	406.000	101.5	500	499.000	99.8	487.000	97.4	P
Calcium	40000	38600.000	96.5	25000	23600.000	94.4	23200.000	92.8	P
Chromium	400	406.000	101.5	500	498.000	99.6	500.000	100.0	P
Cobalt	400	401.000	100.2	500	497.000	99.4	500.000	100.0	P
Copper	400	398.000	99.5	500	483.000	96.6	484.000	96.8	P
Iron	40000	40400.000	101.0	40000	39800.000	99.5	40100.000	100.2	P
Lead	400	414.000	103.5	500	506.000	101.2	501.000	100.2	P
Magnesium	40000	39800.000	99.5	25000	25000.000	100.0	24700.000	98.8	P
Manganese	400	412.000	103.0	500	500.000	100.0	492.000	98.4	P
Mercury	3	3.150	105.0	5	5.160	103.2	4.990	99.8	CV
Nickel	400	414.000	103.5	500	504.000	100.8	504.000	100.8	P
Potassium	40000	38300.000	95.8	25000	22900.000	91.6	23500.000	94.0	P
Selenium	400	410.000	102.5	500	505.000	101.0	488.000	97.6	P
Silver	160	161.000	100.6	500	492.000	98.4	509.000	101.8	P
Sodium	40000	39800.000	99.5	25000	23900.000	95.6	24500.000	98.0	P
Thallium	400	420.000	105.0	500	516.000	103.2	521.000	104.2	P
Vanadium	400	412.000	103.0	500	497.000	99.4	519.000	103.8	P
Zinc	400	414.000	103.5	500	511.000	102.2	519.000	103.8	P

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

110512 1910

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

ICV IDs: CV= ICV1074256, P= ICV1074197

CCV1 IDs: CV= CCV1074258, P= CCV1074202

CCV2 IDs: CV= CCV1074270, P= CCV1074214

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

110512 1910

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Initial Calibration Source:

Continuing Calibration Source: 45798
45624

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Aluminum				25000	24800.000	99.2	25100.000	100.4	P
Antimony				500	502.000	100.4	503.000	100.6	P
Arsenic				500	503.000	100.6	510.000	102.0	P
Barium				500	508.000	101.6	509.000	101.8	P
Beryllium				500	501.000	100.2	507.000	101.4	P
Cadmium				500	496.000	99.2	507.000	101.4	P
Calcium				25000	23600.000	94.4	24100.000	96.4	P
Chromium				500	505.000	101.0	508.000	101.6	P
Cobalt				500	504.000	100.8	505.000	101.0	P
Copper				500	493.000	98.6	497.000	99.4	P
Iron				40000	40600.000	101.5	41300.000	103.2	P
Lead				500	514.000	102.8	513.000	102.6	P
Magnesium				25000	24900.000	99.6	25500.000	102.0	P
Manganese				500	499.000	99.8	504.000	100.8	P
Mercury				5	4.760	95.2			CV
Nickel				500	512.000	102.4	520.000	104.0	P
Potassium				25000	24000.000	96.0	24000.000	96.0	P
Selenium				500	501.000	100.2	516.000	103.2	P
Silver				500	510.000	102.0	512.000	102.4	P
Sodium				25000	25100.000	100.4	25200.000	100.8	P
Thallium				500	531.000	106.2	536.000	107.2	P
Vanadium				500	521.000	104.2	522.000	104.4	P
Zinc				500	521.000	104.2	530.000	106.0	P

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

ICV IDs:

CCV1 IDs: CV= CCV1074282, P= CCV1074227

CCV2 IDs: P= CCV1074239

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

110512 1910

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Preparation Blank Matrix (water/soil): SOIL

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)	C		C		C	Prepa-ration Blank	C	M
Aluminum	-33.8	J	-19.7	J	-26.5	J	-31	J	1.84	U	P
Antimony	2.472	U	2.472	U	2.472	U	3.03	J	0.273	J	P
Arsenic	5.15	U	5.15	U	5.15	U	5.15	U	0.485	U	P
Barium	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Beryllium	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Cadmium	0.515	U	0.515	U	0.515	U	0.515	U	0.0485	U	P
Calcium	-89.5	J	-75.1	J	-82.8	J	-91.1	J	3.2	U	P
Chromium	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Cobalt	0.589	J	0.515	U	0.515	U	0.515	U	0.0485	U	P
Copper	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Iron	6.18	U	18.2	J	20.4	J	8.88	J	2.51	J	P
Lead	3.502	U	3.502	U	3.502	U	3.502	U	0.33	U	P
Magnesium	29.87	U	29.87	U	29.87	U	29.87	U	2.82	U	P
Manganese	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Mercury	0.03789	U	0.03789	U	0.03789	U	0.03789	U	0.00361	U	CV
Nickel	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Potassium	51.5	U	51.5	U	51.5	U	51.5	U	4.85	U	P
Selenium	4.16	J	4.12	U	5.08	J	4.12	U	0.388	U	P
Silver	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Sodium	103	U	103	U	103	U	103	U	9.71	U	P
Thallium	3.502	U	3.502	U	3.502	U	3.502	U	0.33	U	P
Vanadium	1.648	U	1.648	U	1.648	U	1.648	U	0.155	U	P
Zinc	3.399	U	3.399	U	3.399	U	3.399	U	0.32	U	P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

ICB IDs: CV= ICB1074257, P= ICB1074198

CCB1 IDs: CV= CCB1074259, P= CCB1074203

CCB2 IDs: CV= CCB1074271, P= CCB1074215

CCB3 IDs: CV= CCB1074283, P= CCB1074216

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Preparation Blank Matrix (water/soil):

Preparation Blank Concentration Units (ug/L or mg/Kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)	C		C		C	Prepa-ration Blank	C	M
Aluminum			-26	J	19.57	U					P
Antimony			2.472	U	2.472	U					P
Arsenic			5.15	U	5.15	U					P
Barium			1.648	U	1.648	U					P
Beryllium			1.648	U	1.648	U					P
Cadmium			0.515	U	0.515	U					P
Calcium			-91.8	J	-75.1	J					P
Chromium			1.648	U	1.648	U					P
Cobalt			0.515	U	0.515	U					P
Copper			1.648	U	1.648	U					P
Iron			9.06	J	17.7	J					P
Lead			3.502	U	3.502	U					P
Magnesium			29.87	U	29.87	U					P
Manganese			1.648	U	1.648	U					P
Mercury											CV
Nickel			1.648	U	1.648	U					P
Potassium			51.5	U	51.5	U					P
Selenium			4.12	U	4.21	J					P
Silver			1.648	U	1.648	U					P
Sodium			103	U	103	U					P
Thallium			3.502	U	3.502	U					P
Vanadium			1.648	U	1.648	U					P
Zinc			3.399	U	3.399	U					P

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

ICB IDs:

CCB1 IDs: P= CCB1074228

CCB2 IDs: P= CCB1074240

CCB3 IDs:

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

ICP ID#: ICAP2 ICSA Source: 45241

ICSAB Source: 45248

Concentration Units: UG/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	250000	250000	251235.998	268259.832	107.3			
Antimony	0	600	4.566	590.994	98.5			
Arsenic	0	100	-2.369	101.593	101.6			
Barium	0	500	-0.183	484.356	96.9			
Beryllium	0	500	-0.101	520.1	104.0			
Cadmium	0	1000	-0.01	939.166	93.9			
Calcium	250000	250000	234867.041	251584.844	100.6			
Chromium	0	500	-0.73	484.451	96.9			
Cobalt	0	500	-0.062	467.79	93.6			
Copper	0	500	-1.392	500.455	100.1			
Iron	225000	225000	213387.339	227498.168	101.1			
Lead	0	50	1.154	45.825	91.7			
Magnesium	250000	250000	246362.974	259805.368	103.9			
Manganese	0	500	0.226	491.605	98.3			
Nickel	0	1000	1.338	961.18	96.1			
Potassium	0	0	-60.135					
Selenium	0	50	-8.734	43.607	87.2			
Silver	0	200	0.088	198.892	99.4			
Sodium	0	0	5.278					
Thallium	0	100	-0.133	97.197	97.2			
Vanadium	0	500	-0.064	491.772	98.4			
Zinc	0	1000	4.17	954.751	95.5			

ICSA: ICS1074200

ICSAB: ICS1074201

110512 1910

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13300		5740		5780	130.8	N	P
Antimony	75 - 125	48.8		0.715	J	57.8	83.2		P
Arsenic	75 - 125	74.4		10.1		57.8	111.2		P
Barium	75 - 125	222		48.2		173	100.5		P
Beryllium	75 - 125	58.1		0.503	J	57.8	99.6		P
Cadmium	75 - 125	53.4		0.0613	U	57.8	92.4		P
Calcium	75 - 125	20900		14300		5780	114.2		P
Chromium	75 - 125	98.7		32.6		57.8	114.4		P
Cobalt	75 - 125	62.6		7.08		57.8	96.1		P
Copper	75 - 125	68.0		14.0		57.8	93.4		P
Iron	75 - 125	32800		21900		5780	188.6	N	P
Lead	75 - 125	78.6		18.8		57.8	103.5		P
Magnesium	75 - 125	10300		3590		5780	116.1		P
Manganese	-								NR
Mercury	80 - 120	0.427		0.0670		0.389	92.5		CV
Nickel	75 - 125	66.6		9.16		57.8	99.4		P
Potassium	75 - 125	6370		466		5780	102.1		P
Selenium	75 - 125	54.3		0.491	U	57.8	93.9		P
Silver	75 - 125	23.2		0.196	U	23.1	100.4		P
Sodium	75 - 125	6120		98.0		5780	104.2		P
Thallium	75 - 125	55.7		0.417	U	57.8	96.4		P
Vanadium	75 - 125	94.4		28.5		57.8	114		P
Zinc	75 - 125	183		147		57.8	62.3	N	P

Comments:

110512 1910

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

EPAFMC-SD-01MSDL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	-								NR
Antimony	-								NR
Arsenic	-								NR
Barium	-								NR
Beryllium	-								NR
Cadmium	-								NR
Calcium	-								NR
Chromium	-								NR
Cobalt	-								NR
Copper	-								NR
Iron	-								NR
Lead	-								NR
Magnesium	-								NR
Manganese	-	816		633		57.8	316.6	N	P
Mercury	-								NR
Nickel	-								NR
Potassium	-								NR
Selenium	-								NR
Silver	-								NR
Sodium	-								NR
Thallium	-								NR
Vanadium	-								NR
Zinc	-								NR

Comments:

110512 1910

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13600		5740		5940	132.3	N	P
Antimony	75 - 125	51.9		0.715	J	59.4	86.2		P
Arsenic	75 - 125	72.9		10.1		59.4	105.7		P
Barium	75 - 125	240		48.2		178	107.8		P
Beryllium	75 - 125	62.0		0.503	J	59.4	103.5		P
Cadmium	75 - 125	56.5		0.0613	U	59.4	95.1		P
Calcium	75 - 125	20500		14300		5940	104.4		P
Chromium	75 - 125	112		32.6		59.4	133.7	N	P
Cobalt	75 - 125	69.8		7.08		59.4	105.6		P
Copper	75 - 125	74.2		14.0		59.4	101.3		P
Iron	75 - 125	32700		21900		5940	181.8	N	P
Lead	75 - 125	82.0		18.8		59.4	106.4		P
Magnesium	75 - 125	10300		3590		5940	113		P
Manganese	-								NR
Mercury	80 - 120	0.437		0.0670		0.400	92.5		CV
Nickel	75 - 125	74.2		9.16		59.4	109.5		P
Potassium	75 - 125	6680		466		5940	104.6		P
Selenium	75 - 125	58.4		0.491	U	59.4	98.3		P
Silver	75 - 125	24.6		0.196	U	23.8	103.4		P
Sodium	75 - 125	6490		98.0		5940	107.6		P
Thallium	75 - 125	59.8		0.417	U	59.4	100.7		P
Vanadium	75 - 125	98.1		28.5		59.4	117.2		P
Zinc	75 - 125	206		147		59.4	99.3		P

Comments:

110512 1910

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5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

EPAFMC-SD-01SDDL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	-								NR
Antimony	-								NR
Arsenic	-								NR
Barium	-								NR
Beryllium	-								NR
Cadmium	-								NR
Calcium	-								NR
Chromium	-								NR
Cobalt	-								NR
Copper	-								NR
Iron	-								NR
Lead	-								NR
Magnesium	-								NR
Manganese	-	729		633		59.4	161.6	N	P
Mercury	-								NR
Nickel	-								NR
Potassium	-								NR
Selenium	-								NR
Silver	-								NR
Sodium	-								NR
Thallium	-								NR
Vanadium	-								NR
Zinc	-								NR

Comments:

110512 1910

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350583501A

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	80 - 120	99400.00		46790.82		50000	105.3		P
Antimony	80 - 120	509.00		5.83	J	500	100.7		P
Arsenic	80 - 120	601.00		82.34		500	103.7		P
Barium	80 - 120	1910.00		392.94		1500	101.3		P
Beryllium	80 - 120	536.00		4.10	J	500	106.3		P
Cadmium	80 - 120	491.00			U	500	98.3		P
Calcium	80 - 120	164000.00		116925.82		50000	94.8		P
Chromium	80 - 120	782.00		266.10		500	103.3		P
Cobalt	80 - 120	557.00		57.71		500	100.0		P
Copper	80 - 120	645.00		114.55		500	106.1		P
Iron	80 - 120	223000.00		178710.36		50000	88.8		P
Lead	80 - 120	653.00		153.14		500	99.9		P
Magnesium	80 - 120	77900.00		29256.41		50000	97.4		P
Mercury	-	3.10		0.51		3	86.3		CV
Nickel	80 - 120	586.00		74.69		500	102.2		P
Potassium	80 - 120	55700.00		3798.89		50000	103.9		P
Selenium	80 - 120	489.00			U	500	97.9		P
Silver	80 - 120	212.00			U	200	105.8		P
Sodium	80 - 120	53800.00		798.58		50000	106.0		P
Thallium	80 - 120	521.00			U	500	104.3		P
Vanadium	80 - 120	780.00		232.52		500	109.5		P
Zinc	80 - 120	1710.00		1197.50		500	102.1		P

Comments:

110512 1910

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350583501ADL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Manganese	80 - 120	6010.00		5157.78		1000	85.1		P

Comments:

110512 1910

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DUPLICATES

EPA Sample No.

127450LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	5090		5000		1.8		P
Antimony	20	48.4		49		1.2		P
Arsenic	20	49.3		49.3		0.0		P
Barium	20	146		147		0.7		P
Beryllium	20	48.5		49.1		1.2		P
Cadmium	20	46.6		47.2		1.3		P
Calcium	20	4810		4750		1.3		P
Chromium	20	49.3		49.5		0.4		P
Cobalt	20	47.8		48.1		0.6		P
Copper	20	48.7		49.2		1.0		P
Iron	20	5130		5060		1.4		P
Lead	20	49		49.1		0.2		P
Magnesium	20	4890		4870		0.4		P
Manganese	20	48.4		48.9		1.0		P
Nickel	20	48.6		49.1		1.0		P
Potassium	20	4970		4900		1.4		P
Selenium	20	47		47.4		0.8		P
Silver	20	19.5		19.8		1.5		P
Sodium	20	5180		5080		1.9		P
Thallium	20	49.8		50.2		0.8		P
Vanadium	20	51.2		52.1		1.7		P
Zinc	20	49.8		50.2		0.8		P

Comments:

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DUPLICATES

EPA Sample No.

127973LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	20	0.299		0.3		0.3		CV

Comments:

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DUPLICATES

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6 % Solids for Duplicate: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	13300		13600		2.2		P
Antimony	20	48.8		51.9		6.2		P
Arsenic	20	74.4		72.9		2.0		P
Barium	20	222		240		7.8		P
Beryllium	20	58.1		62		6.5		P
Cadmium	20	53.4		56.5		5.6		P
Calcium	20	20900		20500		1.9		P
Chromium	20	98.7		112		12.6		P
Cobalt	20	62.6		69.8		10.9		P
Copper	20	68		74.2		8.7		P
Iron	20	32800		32700		0.3		P
Lead	20	78.6		82		4.2		P
Magnesium	20	10300		10300		0.0		P
Mercury	20	0.427		0.437		2.3		CV
Nickel	20	66.6		74.2		10.8		P
Potassium	20	6370		6680		4.8		P
Selenium	20	54.3		58.4		7.3		P
Silver	20	23.2		24.6		5.9		P
Sodium	20	6120		6490		5.9		P
Thallium	20	55.7		59.8		7.1		P
Vanadium	20	94.4		98.1		3.8		P
Zinc	20	183		206		11.8		P

Comments:

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DUPLICATES

EPA Sample No.

EPAFMC-SD-01SDDL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6 % Solids for Duplicate: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Manganese	20	816		729		11.3		P

Comments:

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005 | 127449LCS

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid Found	C	Limits	%R
Aluminum				4900	5090		80 - 120	103.9
Antimony				49	48.4		80 - 120	98.8
Arsenic				49	49.3		80 - 120	100.6
Barium				147	146		80 - 120	99.3
Beryllium				49	48.5		80 - 120	99.0
Cadmium				49	46.6		80 - 120	95.1
Calcium				4900	4810		80 - 120	98.2
Chromium				49	49.3		80 - 120	100.6
Cobalt				49	47.8		80 - 120	97.6
Copper				49	48.7		80 - 120	99.4
Iron				4900	5130		80 - 120	104.7
Lead				49	49		80 - 120	100.0
Magnesium				4900	4890		80 - 120	99.8
Manganese				49	48.4		80 - 120	98.8
Nickel				49	48.6		80 - 120	99.2
Potassium				4900	4970		80 - 120	101.4
Selenium				49	47		80 - 120	95.9
Silver				19.6	19.5		80 - 120	99.5
Sodium				4900	5180		80 - 120	105.7
Thallium				49	49.8		80 - 120	101.6
Vanadium				49	51.2		80 - 120	104.5
Zinc				49	49.8		80 - 120	101.6

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005 | 127450LCSD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid Found	C	Limits	Solid %R
Aluminum				4830	5000		80 - 120	103.5
Antimony				48.3	49		80 - 120	101.4
Arsenic				48.3	49.3		80 - 120	102.1
Barium				145	147		80 - 120	101.4
Beryllium				48.3	49.1		80 - 120	101.7
Cadmium				48.3	47.2		80 - 120	97.7
Calcium				4830	4750		80 - 120	98.3
Chromium				48.3	49.5		80 - 120	102.5
Cobalt				48.3	48.1		80 - 120	99.6
Copper				48.3	49.2		80 - 120	101.9
Iron				4830	5060		80 - 120	104.8
Lead				48.3	49.1		80 - 120	101.7
Magnesium				4830	4870		80 - 120	100.8
Manganese				48.3	48.9		80 - 120	101.2
Nickel				48.3	49.1		80 - 120	101.7
Potassium				4830	4900		80 - 120	101.4
Selenium				48.3	47.4		80 - 120	98.1
Silver				19.3	19.8		80 - 120	102.6
Sodium				4830	5080		80 - 120	105.2
Thallium				48.3	50.2		80 - 120	103.9
Vanadium				48.3	52.1		80 - 120	107.9
Zinc				48.3	50.2		80 - 120	103.9

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LABORATORY CONTROL SAMPLE

EPA Sample No.

127972LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.291	0.299		80 - 120	102.7

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LABORATORY CONTROL SAMPLE

EPA Sample No.

127973LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.294	0.3		80 - 120	102.0

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SERIAL DILUTIONS

EPA Sample No.

350583501L

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Aluminum	46790.82		46600.00		0.41		P
Antimony	5.83	J	23.60	J	300		P
Arsenic	82.34		90.60		10		P
Barium	392.94		402.00		2.3		P
Beryllium	4.10	J	4.61	J	12		P
Cadmium		U		U			P
Calcium	116925.82		117000.00		0.063		P
Chromium	266.10		279.00		4.8		P
Cobalt	57.71		60.30		4.5		P
Copper	114.55		113.00		1.4		P
Iron	178710.36		186000.00		4.1		P
Lead	153.14		152.00		0.74		P
Magnesium	29256.41		30000.00		2.5		P
Mercury	0.51		0.42		17		CV
Nickel	74.69		71.20		4.7		P
Potassium	3798.89		3590.00		5.5		P
Selenium		U		U			P
Silver		U		U			P
Sodium	798.58			U			P
Thallium		U		U			P
Vanadium	232.52		240.00		3.2		P
Zinc	1197.50		1290.00		7.7		P

Comments:

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SERIAL DILUTIONS

EPA Sample No.

350583501LDL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Manganese	5157.78		5200.00		0.82		P

Comments:

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (mg/Kg)	MDL (mg/Kg)	Verification Date	M
Aluminum	308.215	22.724	10	1.9	1/13/2012	P
Antimony	206.836	2.8704	1	0.24	1/13/2012	P
Arsenic	188.979	5.98	1	0.5	1/13/2012	P
Barium	233.527	1.9136	0.5	0.16	1/13/2012	P
Beryllium	234.861	1.9136	0.5	0.16	1/13/2012	P
Cadmium	226.502	0.598	0.5	0.05	1/13/2012	P
Calcium	315.887	39.468	10	3.3	1/13/2012	P
Chromium	267.716	1.9136	0.5	0.16	1/13/2012	P
Cobalt	228.616	0.598	0.5	0.05	1/13/2012	P
Copper	324.752	1.9136	0.5	0.16	1/13/2012	P
Iron	259.939	7.176	5	0.6	1/13/2012	P
Lead	220.353	4.0664	0.8	0.34	1/13/2012	P
Magnesium	279.077	34.684	10	2.9	1/13/2012	P
Manganese	257.61	1.9136	0.5	0.16	1/13/2012	P
Nickel	231.604	1.9136	0.5	0.16	1/13/2012	P
Potassium	766.49	59.8	50	5	1/13/2012	P
Selenium	196.026	4.784	2	0.4	1/13/2012	P
Silver	328.068	1.9136	0.5	0.16	1/13/2012	P
Sodium	589.592	119.6	30	10	1/13/2012	P
Thallium	190.801	4.0664	1	0.34	1/13/2012	P
Vanadium	292.402	1.9136	0.5	0.16	1/13/2012	P
Zinc	206.2	3.9468	1	0.33	1/13/2012	P

Comments:

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

ICP ID Number :

Furnace AA ID Number : FIMS

Analyte	Wave-length (nm)	Raw MDL (UG/L)	CRDL (mg/Kg)	MDL (mg/Kg)	Verification Date	M
Mercury	253.7	0.03774	0.02	0.0037	2/6/2012	CV

Comments:

110512 1911

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11A

INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No.: SDG No.: 3505835

ICP ID Number : ICAP2 Date: 3/20/2010

Analyte	Wave-length	Interelement Correction Factors for: Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg
Aluminum	308.215			-0.008314											
Calcium	315.887	-0.004569	0.033090												

Comments:

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INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No.: SDG No.: 3505835

ICP ID Number : ICAP2 Date: 3/20/2010

Analyte	Wave-length	Interelement Correction Factors for: Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn
Aluminum	308.215					-0.037936	-0.005136	0.019986	-0.011680			-0.014087		
Calcium	315.887							-0.017299		0.006602	0.002747			

Comments:

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ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

ICP ID NUMBER : ICAP2 DATE : 1/19/2012

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Aluminum	1	1000	P
Calcium	1	1000	P
Magnesium	1	1000	P

Comments:

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
127448MB	25 Apr 12	0.515	
127449LCS	25 Apr 12	0.51	
127450LCSD	25 Apr 12	0.518	
EPAFMC-SD-01	25 Apr 12	0.603	
EPAFMC-SD-01MS	25 Apr 12	0.64	
EPAFMC-SD-01SD	25 Apr 12	0.622	
EPAFMC-SD-02	25 Apr 12	0.522	
EPAFMC-SD-03	25 Apr 12	0.589	
EPAFMC-SD-04	25 Apr 12	0.598	
EPAFMC-SD-05	25 Apr 12	0.709	
EPAFMC-SD-06	25 Apr 12	0.666	

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Method : 7471

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
127971MB	25 Apr 12	0.256	
127972LCS	25 Apr 12	0.258	
127973LCSD	25 Apr 12	0.255	
EPAFMC-SD-01	25 Apr 12	0.281	
EPAFMC-SD-01MS	25 Apr 12	0.285	
EPAFMC-SD-01SD	25 Apr 12	0.277	
EPAFMC-SD-02	25 Apr 12	0.262	
EPAFMC-SD-03	25 Apr 12	0.452	
EPAFMC-SD-04	25 Apr 12	0.399	
EPAFMC-SD-05	25 Apr 12	0.346	
EPAFMC-SD-06	25 Apr 12	0.418	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : ICAP2 Method : P

Start Date : 4/27/2012 End Date : 4/27/2012

EPA Sample No.	D/F	Time	%R	Analytes																																				
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN								
CAL01	1	10:18		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CAL02	1	10:24			X		X	X	X	X		X			X		X		X			X									X								
CAL03	1	10:30		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CAL04	1	10:36		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CAL05	1	10:42		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CAL06	1	10:47			X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
ICV1074197	1	11:06		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
ICB1074198	1	11:11		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
ZZZZZZ	1	11:17																																						
ICS1074200	1	11:23		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
ICS1074201	1	11:29		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CCV1074202	1	11:34		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CCB1074203	1	11:39		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
127448MB	1	15:51		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
127449LCS	1	15:57		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
127450LCSD	1	16:02		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
EPAFMC-SD-01	1	16:07		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
350583501L	5	16:13		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
EPAFMC-SD-01MS	1	16:18		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
EPAFMC-SD-01SD	1	16:23		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
350583501A	1	16:28		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
EPAFMC-SD-02	1	16:34		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
EPAFMC-SD-03	1	16:39		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
CCV1074214	1	16:44		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CCB1074215	1	16:50		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
CCB1074216	1	16:53		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
EPAFMC-SD-04	1	16:59		X	X	X	X	X	X	X		X	X	X	X		X		X			X	X	X	X	X				X	X	X								
EPAFMC-SD-05	1	17:05		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
EPAFMC-SD-06	1	17:10		X	X	X	X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X								
ZZZZZZ	1	17:15																																						
ZZZZZZ	1	17:21																																						
ZZZZZZ	1	17:26																																						
ZZZZZZ	1	17:31																																						
ZZZZZZ	1	17:36																																						

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : ICAP2 Method : P

Start Date : 4/27/2012 End Date : 4/27/2012

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	KI	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
ZZZZZZ	1	17:42																																
ZZZZZZ	1	17:48																																
CCV1074227	1	17:53		X	X	X		X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X	
CCB1074228	1	17:58		X	X	X		X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X	
EPAFMC-SD-01DL1	2	18:04																			X														
350583501LDL1	10	18:10																			X														
EPAFMC-SD-01MSDL1	2	18:15																			X														
EPAFMC-SD-01SDDL1	2	18:20																			X														
350583501ADL1	2	18:26																			X														
EPAFMC-SD-02DL1	5	18:31																			X														
EPAFMC-SD-03DL1	2	18:36																			X														
EPAFMC-SD-04DL1	5	18:42																			X														
ZZZZZZ	1	18:47																																	
ZZZZZZ	1	18:52																																	
CCV1074239	1	18:57		X	X	X		X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X	
CCB1074240	1	19:03		X	X	X		X	X	X	X		X	X	X	X		X		X	X		X	X	X	X	X				X	X	X	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : FIMS Method : CV

Start Date : 4/27/2012 End Date : 4/27/2012

EPA Sample No.	D/F	Time	%R	Analytes																												
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN
CAL01	1	17:07														X																
CAL02	1	17:09														X																
CAL03	1	17:11														X																
CAL04	1	17:13														X																
CAL05	1	17:14														X																
CAL06	1	17:16														X																
ICV1074256	1	17:18														X																
ICB1074257	1	17:20														X																
CCV1074258	1	17:22														X																
CCB1074259	1	17:24														X																
127971MB	1	17:25														X																
127972LCS	1	17:27														X																
127973LCSD	1	17:29														X																
EPAFMC-SD-01	1	17:31														X																
EPAFMC-SD-01MS	1	17:33														X																
EPAFMC-SD-01SD	1	17:34														X																
EPAFMC-SD-02	1	17:36														X																
EPAFMC-SD-03	1	17:38														X																
EPAFMC-SD-04	1	17:40														X																
EPAFMC-SD-05	1	17:42														X																
CCV1074270	1	17:44														X																
CCB1074271	1	17:45														X																
EPAFMC-SD-06	1	17:47														X																
ZZZZZZ	1	17:49																														
ZZZZZZ	1	17:51																														
ZZZZZZ	1	17:52																														
ZZZZZZ	1	17:54																														
ZZZZZZ	1	17:56																														
ZZZZZZ	1	17:58																														
ZZZZZZ	1	18:00																														
350583501L	5	18:01														X																
350583501A	1	18:03														X																
CCV1074282	1	18:05														X																
CCB1074283	1	18:07														X																

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : FIMS Method : CV

Start Date : 4/27/2012 End Date : 4/27/2012

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	KI	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
ZZZZZZ	1	18:09																																
ZZZZZZ	1	18:11																																
ZZZZZZ	1	18:12																																
ZZZZZZ	1	18:14																																
ZZZZZZ	1	18:16																																
ZZZZZZ	1	18:18																																
ZZZZZZ	1	18:20																																
ZZZZZZ	1	18:21																																
ZZZZZZ	1	18:23																																
ZZZZZZ	1	18:25																																
ZZZZZZ	1	18:27																																
ZZZZZZ	1	18:28																																
ZZZZZZ	1	18:30																																
ZZZZZZ	1	18:32																																
ZZZZZZ	1	18:34																																
ZZZZZZ	1	18:35																																
ZZZZZZ	1	18:37																																
ZZZZZZ	5	18:39																																
ZZZZZZ	1	18:41																																
ZZZZZZ	1	18:43																																
ZZZZZZ	1	18:45																																
ZZZZZZ	1	18:46																																
ZZZZZZ	1	18:48																																
ZZZZZZ	1	18:50																																
ZZZZZZ	1	18:52																																
ZZZZZZ	1	18:54																																
ZZZZZZ	1	18:55																																
ZZZZZZ	1	18:57																																
ZZZZZZ	1	18:59																																
ZZZZZZ	1	19:01																																
ZZZZZZ	1	19:02																																
ZZZZZZ	1	19:04																																
ZZZZZZ	1	19:06																																
ZZZZZZ	1	19:08																																

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : FIMS Method : CV

Start Date : 4/27/2012 End Date : 4/27/2012

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	BA	BE	CA	CD	CN	CO	CR	CU	FE	HG	K	LI	MG	MN	MO	NA	NI	PB	SB	SE	SN	SR	TI	TL	V	ZN		
ZZZZZZ	1	19:10																																
ZZZZZZ	1	19:11																																
ZZZZZZ	1	19:13																																
ZZZZZZ	1	19:15																																
ZZZZZZ	1	19:17																																
ZZZZZZ	1	19:19																																
ZZZZZZ	1	19:20																																
ZZZZZZ	5	19:22																																
ZZZZZZ	1	19:24																																
ZZZZZZ	1	19:26																																
ZZZZZZ	1	19:27																																

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Wet Chemistry Data Package

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CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA SW846 Method 9060Mod.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

Spikes are not available for this method.

D. Duplicate:

CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

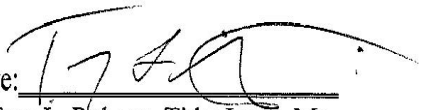
Client: OTIE

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: 

Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/09/2012**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Comments:

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Wetchem_TOCS Inorganic Sample Data

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	267000			TC		74.1	638

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	26300			TC		45.8	395

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	45400			TC		59.6	513

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	184000			TC		73.3	631

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	409000			TC		104	897

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	509000			TC		136	1170

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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Wetchem_TOCS Inorganic QC Summary Data

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

128373MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128373MB

Level:(low/med) LOW Date Received: 4/30/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	54.6	U		TC		54.6	470

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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2-CC

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cr

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Concentration Units: (mg/Kg)

Analyte	Initial Calibration				Continuing Calibration						
	Source Used	True	Found	%R (1)	Source Used	True	Found	%R (1)	Found	%R (1)	M
TOC	44240	1.9992	2.150	107.5	44239	1.9992	2.050	102.5			TC

ICV IDs: TC= 128371ICV

CCV1 IDs: TC= 128377CCV

CCV2 IDs:

(1) Control Limits: TOC: 75-125

Comments:

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Preparation Blank Matrix (water/soil): SOIL

Preparation Blank Concentration Units (ug/L or mg/Kg): MG/KG

Analyte	Initial Calib. Blank (mg/Kg)	C	Continuing Calibration Blank (mg/Kg)	C		C		C	Prepa-ration Blank	C	M
TOC	54.6	U	54.6	U					54.6	U	TC

ICB IDs: TC= 128372ICB

CCB1 IDs: TC= 128378CCB

CCB2 IDs:

CCB3 IDs:

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DUPLICATES

EPA Sample No.

128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	96400		96800		0.4		TC

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

128374LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96400	96.4	

Comments:

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7-CC

LABORATORY CONTROL SAMPLE

EPA Sample No.

128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96800	96.8	

Comments:

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1392

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil

Concentration Units: MG/KG

PARAMETER	M	INSTRUMENT ID	DATE	CRDL	MDL	Raw MDL (UG/L)
TOC	TC	TOC	9/8/2009	470	54.6	32760

Comments:

110512 1911

U.S. EPA - CLP

14

ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-139

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Instrument ID Number : TOC Method : TC

Start Date : 1/30/2012 End Date : 4/30/2012

EPA Sample No.	D/F	Time	%R	Analytes *:
CAL01		11:46		X
CAL02		11:53		X
CAL03		12:01		X
CAL04		12:08		X
CAL05		13:03		X
CAL06		13:15		X
128371ICV	1	11:10		X
128372ICB	1	11:18		X
128373MB	1	11:27		X
128374LCS	1	12:25		X
128375LCSD	1	13:30		X
EPAFMC-SD-01	1	13:49		X
EPAFMC-SD-02	1	13:59		X
EPAFMC-SD-03	1	14:14		X
EPAFMC-SD-04	1	14:27		X
EPAFMC-SD-05	1	15:42		X
EPAFMC-SD-06	1	15:58		X
SAMDUP	1	16:14		X
128377CCV	1	17:05		X
128378CCB	1	17:19		X

* TOC

110512 1911

Chain of Custody Documentation

110512 1911

Revised

USEPA Region 4 COC (LAB COPY)

DateShipped: 4/23/2012
CarrierName: FedEx
AirbillNo: 875585709753

CHAIN OF CUSTODY RECORD

Site #: 2005148-1392
Project Number: OTIE-Five Mile Creek
Cooler #:

3505835
M8

No: EPAFMC 4-23-12

Lab: PEL/SPECTRUM LAB
Lab Contact: KEVIN DUNHAM
Lab Phone: 813-888-9507

Sample #	Media/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
EPAFMC-SD-01	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (3)	EPAFMC01	04/23/2012 13:35	-01-0708
EPAFMC-SD-02	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA+PAHS+PCB(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (2)	EPAFMC02	04/23/2012 13:45	-02
EPAFMC-SD-03	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (2)	EPAFMC03	04/23/2012 13:55	-03
EPAFMC-SD-04	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA+PAHS+PCB(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (2)	EPAFMC04	04/23/2012 14:10	-04
EPAFMC-SD-05	Sediment/ DOUG FRALEY	Grab	SVOA + PAHs(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (2)	EPAFMC05	04/23/2012 14:20	-05
EPAFMC-SD-06	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14) 9060	A (Ice), B (Ice) (2)	EPAFMC05	04/23/2012 14:25	-06

Sample(s) to be used for Lab QC: EPAFMC-SD-01 Temp 4.9C

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time

USEPA Region 4 COC (LAB COPY)
DateShipped: 4/23/2012
CarrierName: FedEx
AirbillNo: 875585709753

CHAIN OF CUSTODY RECORD
Site #: 1392
Project Number: 12-0390
Cooler #:

3505835
NJ

Use Turnaround

No: EPAFMC 4-23-12
Lab: PEL/SPECTRUM LAB
Lab Contact: KEVIN DUNHAM
Lab Phone: 813-888-9507

Sample #	Media/Sampler	Coll. Method	Analysis/Turnaround	Tag/Preservative/Bottles	Station Location	Collected	For Lab Use Only
EPAFMC-SD-01	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (3)	EPAFMC01	04/23/2012 13:35	-01-0708
EPAFMC-SD-02	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA+PAHS+PCB(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (2)	EPAFMC02	04/23/2012 13:45	-02
EPAFMC-SD-03	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (2)	EPAFMC03	04/23/2012 13:55	-03
EPAFMC-SD-04	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA+PAHS+PCB(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (2)	EPAFMC04	04/23/2012 14:10	-04
EPAFMC-SD-05	Sediment/ DOUG FRALEY	Grab	SVOA + PAHs(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (2)	EPAFMC05	04/23/2012 14:20	-05
EPAFMC-SD-06	Sediment/ DUSTIN MORIN & RYAN STUBBS	Grab	SVOA + PAHs(14), TAL METALS + Hg(14)	A (Ice), B (Ice) (2)	EPAFMC05	04/23/2012 14:25	-06

3505835

Sample(s) to be used for Lab QC: EPAFMC-SD-01 (MS/MSD location)

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
samples + cooler	Nairimar Berrios	4/23/12 1600								4/24/12	940

300

Note: 14 days Turn Around Time

73

200

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8755 8570 9753

HUR41

Form ID No. 0215

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From This portion can be removed for Recipient's records.

Date 4/23/12 FedEx Tracking Number 875585709753

Sender's Name OTIE Phone 414 607-6737

Company ONEIDA ITL INTEC ENT GOVT

Address 1220 KENNESTONE CIR STE 106

Dept./Floor/Suite/Room

City MARIETTA State GA ZIP 30066-6022

2 Your Internal Billing Reference 35th FMC #1392

3 To

Recipient's Name Kevin Dunham Phone 813 555-1507

Company PEL/Spectrum Lab.

Address 5405-A Benjamin Rd.

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Tampa State FL ZIP 33634

0436971576

8755 8570 9753

4 Express Package Service • To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the new FedEx Express Freight US Airbill.*

Next Business Day

- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- ☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

☒ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 45 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

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fedex.com 1.800.GoFedEx 1.800.463.3339

3505835

301

SAMPLE RECEIPT CONFIRMATION SHEET

Client Information

SDG:	3505835	**Req:**	91088
Client:	OTIE	**Project:**	Five Mile Creek
Level:	4	**Date Rec'd:**	4/24/2012 9:40:00 AM
Rec'd via:	Fed-Ex	**Due Date:**	5/8/2012

Sample Verification

Samples/Cooler Secure?	Yes	**All Samples on COC accounted For?**	Yes
Temperature of Samples(Celsius)	4.9C	**All Samples Rec'd Intact?**	Yes
pH Verified?	No	**Sample Vol. Sufficient For Analysis**	Yes
pH WNL?	No	**Samples Rec'd W/I Hold Time?**	Yes
Soil Origin (Domestic/Foreign):	Domestic	**Are All Samples to be Analyzed?**	Yes
Site Location/Project on COC?	Yes	**Correct Sample Containers?**	Yes
Client Project # on COC?	Yes	**COC Comments written on COC?**	Yes
Project Mgr. Indicated on COC?	Yes	**Samplers Initials on COC?**	Yes
COC relinquished/Dated by Client?	Yes	**Sample Date/Time Indicated?**	Yes
COC Received/Dated by SA?	Yes	**TAT Requested:**	STD
Specific Subcontract Indicated?	No	**Client Requests Verbal Results?**	No
Samples Received By	Fed-Ex	**Client Requests Faxed Results?**	No
SA to Conduct ALL Analyses?	Yes		
Radioactivity Check?	No		
COC Present?	Yes		

LABEL REVIEW

PEER REVIEW

Tuesday, April 24, 2012

Client: OTIE

WONo: 3505835 Profile Name: Five Mile Creek Profile #: 91088

MATRIX S

Sample #	Bottle	Parameter		Check	Received	Date
01	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:03 PM
01	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:16:50 AM
01	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:01 PM
01	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:06 PM
01	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:16:50 AM
01	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:09 PM
01	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:07 PM
01	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:09 PM
01	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:05 PM
01	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:07 PM
01	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:14 AM
01	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:27 PM
01	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:08 PM
01	001	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:41 AM
01	001	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:44 PM
01	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:08 PM
01	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:16:50 AM
01	001	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:10 PM
01	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:14 PM
01	001	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:17 PM
02	002	6010	Metals	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:45 AM
02	002	6010	Metals	In	Justin Bowman	4/25/2012 4:16:14 PM
02	002	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:46 AM

02	002	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:14 PM
02	002	8082	PCB	In	Nicole Labus	4/24/2012 2:51:03 PM
02	001	8082	PCB	In	Nicole Labus	4/24/2012 2:51:07 PM
02	001	8082	PCB	Out	Tammy Reuter	4/27/2012 3:41:58 PM
02	001	8082	PCB	In	Tammy Reuter	4/27/2012 6:10:04 PM
02	002	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:18 PM
02	002	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:11 PM
02	002	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:16 AM
02	002	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:23 PM
02	002	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:45 AM
02	002	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:50 PM
02	002	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:09 PM
02	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:12 PM
02	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:47 AM
02	002	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:14 PM
02	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:17 PM
02	002	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:22 PM
03	002	6010	Metals	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:52 AM
03	002	6010	Metals	In	Justin Bowman	4/25/2012 4:16:16 PM
03	002	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:52 AM

03	002	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:16 PM
03	002	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:24 PM
03	002	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:12 PM
03	002	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:08 AM
03	002	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:17 PM
03	002	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:46 AM
03	002	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:52 PM
03	002	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:14 PM
03	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:16 PM
03	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:52 AM
03	002	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:16 PM
03	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:19 PM
03	002	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:24 PM
04	002	6010	Metals	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:21 PM
04	002	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:50 AM
04	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:56 AM
04	002	6010	Metals	In	Justin Bowman	4/25/2012 10:17:25 AM
04	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:18 PM
04	002	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:21 PM
04	002	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:50 AM
04	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:56 AM
04	002	7471	Mercury	In	Justin Bowman	4/25/2012 10:17:29 AM

04	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:18 PM
04	002	8082	PCB	In	Nicole Labus	4/24/2012 2:51:13 PM
04	001	8082	PCB	In	Nicole Labus	4/24/2012 2:51:16 PM
04	002	8082	PCB	Out	Tammy Reuter	4/27/2012 3:41:56 PM
04	002	8082	PCB	In	Tammy Reuter	4/27/2012 6:10:03 PM
04	002	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:21 PM
04	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:29 PM
04	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:14 PM
04	002	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:21 PM
04	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:24 AM
04	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:30 PM
04	002	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:21 PM
04	001	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:48 AM
04	001	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:54 PM
04	002	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:18 PM
04	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:21 PM
04	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:50 AM
04	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:56 AM
04	002	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 10:17:30 AM
04	001	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:18 PM
04	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:21 PM
04	001	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:25 PM
05	002	6010	Metals	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:37 PM
05	002	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:54 AM
05	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:15:02 AM
05	002	6010	Metals	In	Justin Bowman	4/25/2012 10:17:33 AM

05	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:20 PM
05	002	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:37 PM
05	002	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:54 AM
05	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:15:02 AM
05	002	7471	Mercury	In	Justin Bowman	4/25/2012 10:17:33 AM
05	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:20 PM
05	002	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:37 PM
05	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:35 PM
05	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:15 PM
05	002	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:37 PM
05	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:21 AM
05	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:28 PM
05	002	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:37 PM
05	001	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:50 AM
05	001	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:56 PM
05	002	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:26 PM
05	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:37 PM
05	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:54 AM
05	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:15:02 AM
05	002	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 10:17:33 AM
05	001	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:20 PM
05	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:22 PM
05	001	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:27 PM
06	002	6010	Metals	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:43 PM
06	002	6010	Metals	Out	Justin Bowman	4/25/2012 10:14:58 AM

06	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:15:00 AM
06	002	6010	Metals	In	Justin Bowman	4/25/2012 10:17:35 AM
06	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:21 PM
06	002	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:43 PM
06	002	7471	Mercury	Out	Justin Bowman	4/25/2012 10:14:58 AM
06	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:15:00 AM
06	002	7471	Mercury	In	Justin Bowman	4/25/2012 10:17:35 AM
06	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:21 PM
06	002	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:43 PM
06	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:40 PM
06	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:16 PM
06	002	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:43 PM
06	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:32 AM
06	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:32 PM
06	002	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:43 PM
06	001	9060MOD	Total Organic Carbon	Out	Devon Thompson	4/30/2012 8:40:51 AM
06	001	9060MOD	Total Organic Carbon	In	Devon Thompson	4/30/2012 5:40:59 PM
06	002	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:41 PM
06	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:43 PM
06	002	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:14:58 AM
06	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:15:00 AM
06	002	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 10:17:35 AM
06	001	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:21 PM
06	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/30/2012 12:11:24 PM
06	001	Dry Weight	Dry Weight	In	Justin Bowman	4/30/2012 12:13:29 PM
07	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:44 PM

07	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:16:55 AM
07	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:23 PM
07	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:44 PM
07	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:16:55 AM
07	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:23 PM
07	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:44 PM
07	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:46 PM
07	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:17 PM
07	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:44 PM
07	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:34 AM
07	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:25 PM
07	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:44 PM
07	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:44 PM
07	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:16:55 AM
07	001	Dry Weight	Dry Weight	In	Justin Bowman	4/25/2012 4:16:23 PM
08	001	6010	Metals	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	6010	Metals	Out	Justin Bowman	4/25/2012 10:17:04 AM
08	001	6010	Metals	In	Justin Bowman	4/25/2012 4:16:25 PM
08	001	7471	Mercury	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	7471	Mercury	Out	Justin Bowman	4/25/2012 10:17:04 AM
08	001	7471	Mercury	In	Justin Bowman	4/25/2012 4:16:25 PM
08	001	8270	GCMS semivolatile	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	8270	GCMS semivolatile	Out	Christelle Abadia	4/25/2012 12:19:54 PM
08	001	8270	GCMS semivolatile	In	Christelle Abadia	4/25/2012 12:20:18 PM
08	001	8270_SIM	GCMS semivolatile SIM	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	8270_SIM	GCMS semivolatile SIM	Out	Tammy Reuter	5/2/2012 10:41:38 AM
08	001	8270_SIM	GCMS semivolatile SIM	In	Tammy Reuter	5/8/2012 4:16:20 PM
08	001	9060MOD	Total Organic Carbon	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	Dry Weight	Dry Weight	In	Nicole Labus	4/24/2012 2:50:51 PM
08	001	Dry Weight	Dry Weight	Out	Justin Bowman	4/25/2012 10:17:04 AM

08	001	Dry Weight Dry Weight	In	Justin Bowman	4/25/2012 4:16:25 PM

Addendum

Letter of Acceptance

Customer Name:	Oneida Total Integrated Enterprises
Date and Time Received:	4/24/2012 9:40:00 AM
Date to be Reported:	5/8/2012
Laboratory Submission Number/SDG:	3505835

Project: OTIE-Five Mile Creek / 2005148-1392

Samples: The submission consisted of 8 samples, including QC, with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 6010, 7471, 8082, 8270, 8270_SIM, 9060MOD.

Sample Custody/COC discrepancies:

None.

Notes:

Temp 4.9C

TOC was added to the sediment samples.

MS/MSD is not applicable for TOC.

Distribution of Report to:

Oneida Total Integrated Enterprises
Attn: Limari Krebs
(W): 678-355-5550
(F): 770-528-0167

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. Spectrum Analytical letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative o f the qualities of apparently identical or similar materials.

Log-in Report

Level: 4

Total of: 48 analyses on 8 samples (including QC) *28-Apr-12*

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01	350583501	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-02	350583502	EPAFMC02	S	4/23/2012 1:45:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8082	PCB	8082
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-03	350583503	EPAFMC03	S	4/23/2012 1:55:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-04	350583504	EPAFMC04	S	4/23/2012 2:10:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8082	PCB	8082
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-05	350583505	EPAFMC05	S	4/23/2012 2:20:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-06	350583506	EPAFMC05	S	4/23/2012 2:25:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01MS	350583507	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01SD	350583508	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Monday, April 30, 2012 8:47 AM
To: 'Russell Henderson'; Limari Krebs
Subject: FW: OTIE-Five Mile Creek: LOA3505843.pdf, LOA3505835.pdf

Attachments: COC3505843.pdf; COC3505835.pdf; LOA3505835.pdf; LOA3505843.pdf

COC3505843.pdf (256 KB)

COC3505835.pdf (210 KB)

LOA3505835.pdf (20 KB)

LOA3505843.pdf (25 KB)

Please note a correction on these LOAs.

MS/MSD is not applicable for TOC.

Mark
-----Original Message-----
From: Mark Gudnason [Tampa]
Sent: Saturday, April 28, 2012 11:44 AM
To: Russell Henderson; Limari Krebs
Subject: OTIE-Five Mile Creek: LOA3505843.pdf, LOA3505835.pdf

Good morning.

Please review the attached LOA (Letter of Acceptance) for accuracy and let me know of any changes prior to reporting.

Thank you,
Mark

The message is ready to be sent with the following file or link attachments:

LOA3505843.pdf
LOA3505835.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Monday, May 07, 2012 7:53 PM
To: Limari Krebs; 'Russell Henderson'
Subject: FW: 3505835 / Five Mile Creek / 6010

Good afternoon.
This will be in the case narrative for the referenced method and SDG.

1. **Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):**

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - EPAFMC-SD-01MS was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered below criteria: Zinc at 62.3 % with criteria of (75-125) and the following analyte(s) were recovered above criteria: Aluminum at 130.8 % with criteria of (75-125), Iron at 188.6 % with criteria of (75-125).

MS - EPAFMC-SD-01MSDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 316.6 % with criteria of (75-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Aluminum at 132.3 % with criteria of (75-125), Chromium at 133.7 % with criteria of (75-125), Iron at 181.8 % with criteria of (75-125).

SD - EPAFMC-SD-01SDDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 161.6 % with criteria of (75-125). The most probable cause for the MS/MSD exceeding limits is sample matrix due to the fact that the LCS/LCSD pass all quality control criteria. No further action was taken.
Samples coded accordingly.

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Wednesday, May 09, 2012 4:06 PM
To: 'Limari Krebs'; 'Russell Henderson'
Subject: FW: 3505835-8270-OTIE

Good afternoon.
This will be in the case narrative for the referenced method and SDG.

A. Calibration:

All acceptance criteria were met. The low calibration standard is 500 ug/Kg for the following analyte: Pentachlorophenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-02DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The MS and MSD were originally analyzed full, but some compounds were over the calibration range and the full runs are not reported. The MS and MSD were reanalyzed and are reported at a 2X dilution.

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 23.1 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Hexachlorocyclopentadiene at 0 % with criteria of (10-119) and the following analytes were recovered above criteria: 2-Methylnaphthalene at 213 % with criteria of (33-120), Acenaphthene at 198 % with criteria of (30-135), Anthracene at 264 % with criteria of (31-121), Benzo(a)anthracene at 184 % with criteria of (30-117), Benzo(a)pyrene at 152 % with criteria of (31-121), Benzo(b) fluoranthene at 152 % with criteria of (23-128), Bis(2-ethylhexyl)phthalate at 150 % with criteria of (32-138), Carbazole at 207 % with criteria of (34-133), Chrysene at 175 % with criteria of (32-115), Dibenzofuran at 204 % with criteria of (31-123), Fluoranthene at 349 % with criteria of (29-125), Fluorene at 223 % with criteria of (25-120), Naphthalene at 638 % with criteria of (29-119), Phenanthrene at 490 % with criteria of (28-121), Pyrene at 227 % with criteria of (31-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on

04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 24.4 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Benzo(a)anthracene at 0 % with criteria of (30-117), Benzo(a)pyrene at 16.5 % with criteria of (31-121), Benzo(b) fluoranthene at 0 % with criteria of (23-128), Benzo(g,h,i)perylene at 26.5 % with criteria of (28-120), Benzo(k)fluoranthene at 11.7 % with criteria of (31-120), Chrysene at 0 % with criteria of (32-115), Fluoranthene at 0 % with criteria of (29-125), Hexachlorocyclopentadiene at 0 % with criteria of (10-119), Phenanthrene at 0 % with criteria of (28-121), Pyrene at 0 % with criteria of (31-125). The following analytes exceeded RPD criteria: 1,1'-Biphenyl at 51.5 % with criteria of (30), 2-Methylnaphthalene at 93.5 % with criteria of (30), Acenaphthene at 90.3 % with criteria of (30), Acenaphthylene at 38.1 % with criteria of (30), Anthracene at 62.1 % with criteria of (30), Benzo(a)anthracene at 52.2 % with criteria of (30), Benzo(a)pyrene at 47.9 % with criteria of (30), Benzo(b)fluoranthene at 44.9 % with criteria of (30), Benzo(g,h,i)perylene at 34 % with criteria of (30), Benzo(k)fluoranthene at 52.4 % with criteria of (30), Bis(2-ethylhexyl) phthalate at 67.2 % with criteria of (30), Carbazole at 67.4 % with criteria of (30), Chrysene at 59 % with criteria of (30), Dibenzofuran at 81.7 % with criteria of (30), Di-n-octylphthalate at 30.1 % with criteria of (30), Fluoranthene at 63 % with criteria of (30), Fluorene at 93.4 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 32.4 % with criteria of (30), Naphthalene at 146.4 % with criteria of (30), Phenanthrene at 108.5 % with criteria of (30), Pyrene at 62 % with criteria of (30).

Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-02 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds. A further dilution of 25X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Phenanthrene, Pyrene. Both diluted runs are reported.

Sample EPAFMC-SD-03 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds.

Sample EPAFMC-SD-05 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-06 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-01 could only be brought to a final volume of 11mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 11mL final volume that is reported.

Sample EPAFMC-SD-05 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-05DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Wednesday, May 09, 2012 8:12 PM
To: 'Limari Krebs'
Cc: Brian Spann [Tampa]
Subject: OTIE-Five Mile Creek: 3505843-prelims.pdf, 3505835-prelims.pdf

Attachments: 3505843-prelims.pdf; 3505835-prelims.pdf

3505843-prelims.pdf (620 KB)

3505835-prelims.pdf (511 KB)

Attached are prelim results for the first two SDGs in the form of a level 2 report with case narratives, method blank and LCS data. Please note:

SDG 3505843 - The 8270SIM has not gone through final review.
SDG 3505843 - There are select samples being run for dilutions and final data may vary slightly.

Mark

The message is ready to be sent with the following file or link attachments:

3505843-prelims.pdf
3505835-prelims.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

EXECUTIVE SUMMARY - Detection Highlights

3505835

SAMPLE ID: EPAFMC-SD-01

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5740 N	12.3	MG/KG	SW6010B
Antimony	0.715 J	1.23	MG/KG	SW6010B
Arsenic	10.1	1.23	MG/KG	SW6010B
Barium	48.2	0.613	MG/KG	SW6010B
Beryllium	0.503 J	0.613	MG/KG	SW6010B
Calcium	14300	12.3	MG/KG	SW6010B
Chromium	32.6 N	0.613	MG/KG	SW6010B
Cobalt	7.08	0.613	MG/KG	SW6010B
Copper	14.0	0.613	MG/KG	SW6010B
Iron	21900 N	6.13	MG/KG	SW6010B
Lead	18.8	0.981	MG/KG	SW6010B
Magnesium	3590	12.3	MG/KG	SW6010B
Nickel	9.16	0.613	MG/KG	SW6010B
Potassium	466	61.3	MG/KG	SW6010B
Sodium	98.0	36.8	MG/KG	SW6010B
Vanadium	28.5	0.613	MG/KG	SW6010B
Zinc	147 N	1.23	MG/KG	SW6010B
Mercury	0.0670	0.0263	MG/KG	SW7471A
Acenaphthene	928 J	3400	UG/KG	SW8270D
Acenaphthylene	944 J	3400	UG/KG	SW8270D
Anthracene	2860 J	3400	UG/KG	SW8270D
Benzo(a)anthracene	7390	3400	UG/KG	SW8270D
Benzo(a)pyrene	4520	3400	UG/KG	SW8270D
Benzo(b)fluoranthene	7130	3400	UG/KG	SW8270D
Benzo(g,h,i)perylene	2220 J	3400	UG/KG	SW8270D
Benzo(k)fluoranthene	3050 J	3400	UG/KG	SW8270D
Chrysene	7300	3300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	818 J	3400	UG/KG	SW8270D
Fluoranthene	13700	3400	UG/KG	SW8270D
Fluorene	1230 J	3400	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	2070 J	3400	UG/KG	SW8270D
Phenanthrene	6590	3400	UG/KG	SW8270D
Pyrene	10600	3400	UG/KG	SW8270D
1-Methylnaphthalene	124	3.9	UG/KG	SW8270D-SIM
2-Methylnaphthalene	422	3.9	UG/KG	SW8270D-SIM
TOC	267000	638	MG/KG	SW9060

090512 1946

EXECUTIVE SUMMARY - Detection Highlights

3505835

SAMPLE ID: EPAFMC-SD-01DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	633	1.23	MG/KG	SW6010B
Acenaphthene	9140	780	UG/KG	SW8270D-SIM
Acenaphthylene	13200	780	UG/KG	SW8270D-SIM
Anthracene	21200	780	UG/KG	SW8270D-SIM
Benzo(a)anthracene	16000	780	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10300	780	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	12700	780	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	6920	780	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	4680	780	UG/KG	SW8270D-SIM
Chrysene	15900	780	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	2230	780	UG/KG	SW8270D-SIM
Fluoranthene	26800	780	UG/KG	SW8270D-SIM
Fluorene	5600	780	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4630	780	UG/KG	SW8270D-SIM
Naphthalene	1260	780	UG/KG	SW8270D-SIM
Phenanthrene	20400	780	UG/KG	SW8270D-SIM
Pyrene	17600	780	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-02

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5920	11.9	MG/KG	SW6010B
Antimony	0.828 J	1.19	MG/KG	SW6010B
Arsenic	14.1	1.19	MG/KG	SW6010B
Barium	86.8	0.593	MG/KG	SW6010B
Beryllium	0.711	0.593	MG/KG	SW6010B
Calcium	18800	11.9	MG/KG	SW6010B
Chromium	37.7	0.593	MG/KG	SW6010B
Cobalt	8.12	0.593	MG/KG	SW6010B
Copper	18.1	0.593	MG/KG	SW6010B
Iron	22600	5.93	MG/KG	SW6010B
Lead	32.4	0.950	MG/KG	SW6010B
Magnesium	5130	11.9	MG/KG	SW6010B
Nickel	14.3	0.593	MG/KG	SW6010B
Potassium	562	59.3	MG/KG	SW6010B

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Sodium	104	35.6	MG/KG	SW6010B
Vanadium	27.3	0.593	MG/KG	SW6010B
Zinc	180	1.19	MG/KG	SW6010B
Mercury	0.0564	0.0236	MG/KG	SW7471A
1,1'-Biphenyl	645 J	1300	UG/KG	SW8270D
2-Methylnaphthalene	1720	1300	UG/KG	SW8270D
Acenaphthene	8020	1300	UG/KG	SW8270D
Acenaphthylene	2810	1300	UG/KG	SW8270D
Benzo(a)anthracene	19600	1300	UG/KG	SW8270D
Benzo(a)pyrene	14500	1300	UG/KG	SW8270D
Benzo(b)fluoranthene	22500	1300	UG/KG	SW8270D
Benzo(g,h,i)perylene	5060	1300	UG/KG	SW8270D
Benzo(k)fluoranthene	9520	1300	UG/KG	SW8270D
Carbazole	6390	1300	UG/KG	SW8270D
Chrysene	20300	1300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	2300	1300	UG/KG	SW8270D
Dibenzofuran	4920	1300	UG/KG	SW8270D
Fluorene	11800	1300	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	4940	1300	UG/KG	SW8270D
Naphthalene	2350	1300	UG/KG	SW8270D
1-Methylnaphthalene	129	3.2	UG/KG	SW8270D-SIM
2-Methylnaphthalene	378	3.2	UG/KG	SW8270D-SIM
TOC	26300	395	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-02DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	1580	2.97	MG/KG	SW6010B
Anthracene	28200	6600	UG/KG	SW8270D
Fluoranthene	44700	6600	UG/KG	SW8270D
Phenanthrene	40900	6600	UG/KG	SW8270D
Pyrene	32800	6600	UG/KG	SW8270D
Acenaphthene	1370	640	UG/KG	SW8270D-SIM
Acenaphthylene	2030	640	UG/KG	SW8270D-SIM
Anthracene	6510	640	UG/KG	SW8270D-SIM
Benzo(a)anthracene	15800	640	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10800	640	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	14900	640	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	4970	640	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	15800	640	UG/KG	SW8270D-SIM

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	13300	640	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	1920	640	UG/KG	SW8270D-SIM
Fluoranthene	28300	640	UG/KG	SW8270D-SIM
Fluorene	2060	640	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4970	640	UG/KG	SW8270D-SIM
Naphthalene	2490	640	UG/KG	SW8270D-SIM
Phenanthrene	11900	640	UG/KG	SW8270D-SIM
Pyrene	18700	640	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-03

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	4400	11.4	MG/KG	SW6010B
Antimony	0.357 J	1.14	MG/KG	SW6010B
Arsenic	8.44	1.14	MG/KG	SW6010B
Barium	48.8	0.572	MG/KG	SW6010B
Beryllium	0.455 J	0.572	MG/KG	SW6010B
Calcium	14000	11.4	MG/KG	SW6010B
Chromium	28.8	0.572	MG/KG	SW6010B
Cobalt	5.27	0.572	MG/KG	SW6010B
Copper	7.72	0.572	MG/KG	SW6010B
Iron	17600	5.72	MG/KG	SW6010B
Lead	18.7	0.915	MG/KG	SW6010B
Magnesium	4150	11.4	MG/KG	SW6010B
Nickel	7.81	0.572	MG/KG	SW6010B
Potassium	352	57.2	MG/KG	SW6010B
Sodium	98.7	34.3	MG/KG	SW6010B
Thallium	0.521 J	1.14	MG/KG	SW6010B
Vanadium	24.6	0.572	MG/KG	SW6010B
Zinc	148	1.14	MG/KG	SW6010B
Mercury	0.0420	0.0149	MG/KG	SW7471A
Acenaphthene	185 J	580	UG/KG	SW8270D
Acenaphthylene	671	580	UG/KG	SW8270D
Anthracene	1360	580	UG/KG	SW8270D
Benzo(a)anthracene	4580	580	UG/KG	SW8270D
Benzo(a)pyrene	3370	580	UG/KG	SW8270D
Benzo(b)fluoranthene	4860	580	UG/KG	SW8270D
Benzo(g,h,i)perylene	1300	580	UG/KG	SW8270D
Benzo(k)fluoranthene	2450	580	UG/KG	SW8270D
Carbazole	239 J	580	UG/KG	SW8270D

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	4620	570	UG/KG	SW8270D
Dibenzo(a,h)anthracene	557 J	580	UG/KG	SW8270D
Dibenzofuran	128 J	580	UG/KG	SW8270D
Fluoranthene	7610	580	UG/KG	SW8270D
Fluorene	352 J	580	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	1310	580	UG/KG	SW8270D
Naphthalene	301 J	580	UG/KG	SW8270D
Phenanthrene	1930	580	UG/KG	SW8270D
Pyrene	5660	580	UG/KG	SW8270D
1-Methylnaphthalene	43.2	3.6	UG/KG	SW8270D-SIM
2-Methylnaphthalene	111	3.6	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	530	3.6	UG/KG	SW8270D-SIM
Naphthalene	274	3.6	UG/KG	SW8270D-SIM
TOC	45400	513	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-03DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	605	1.14	MG/KG	SW6010B
Acenaphthene	999	180	UG/KG	SW8270D-SIM
Acenaphthylene	1020	180	UG/KG	SW8270D-SIM
Anthracene	4550	180	UG/KG	SW8270D-SIM
Benzo(a)anthracene	7290	180	UG/KG	SW8270D-SIM
Benzo(a)pyrene	5040	180	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	6910	180	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	2250	180	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	2250	180	UG/KG	SW8270D-SIM
Chrysene	5990	180	UG/KG	SW8270D-SIM
Fluoranthene	12200	180	UG/KG	SW8270D-SIM
Fluorene	1390	180	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	2260	180	UG/KG	SW8270D-SIM
Phenanthrene	6320	180	UG/KG	SW8270D-SIM
Pyrene	7850	180	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-04

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

090512 1946

EXECUTIVE SUMMARY - Detection Highlights

3505835

Aluminum	9290	13.5	MG/KG	SW6010B
Antimony	0.976 J	1.35	MG/KG	SW6010B
Arsenic	11.9	1.35	MG/KG	SW6010B
Barium	80.1	0.674	MG/KG	SW6010B
Beryllium	0.642 J	0.674	MG/KG	SW6010B
Calcium	14500	13.5	MG/KG	SW6010B
Chromium	26.9	0.674	MG/KG	SW6010B
Cobalt	14.4	0.674	MG/KG	SW6010B
Copper	26.2	0.674	MG/KG	SW6010B
Iron	33100	6.74	MG/KG	SW6010B
Lead	29.1	1.08	MG/KG	SW6010B
Magnesium	6040	13.5	MG/KG	SW6010B
Nickel	18.4	0.674	MG/KG	SW6010B
Potassium	868	67.4	MG/KG	SW6010B
Sodium	59.0	40.4	MG/KG	SW6010B
Thallium	0.588 J	1.35	MG/KG	SW6010B
Vanadium	40.7	0.674	MG/KG	SW6010B
Zinc	162	1.35	MG/KG	SW6010B
Mercury	0.0747	0.0202	MG/KG	SW7471A
Acenaphthylene	161 J	340	UG/KG	SW8270D
Anthracene	328 J	340	UG/KG	SW8270D
Benzo(a)anthracene	986	340	UG/KG	SW8270D
Benzo(a)pyrene	759	340	UG/KG	SW8270D
Benzo(b)fluoranthene	1130	340	UG/KG	SW8270D
Benzo(g,h,i)perylene	467	340	UG/KG	SW8270D
Benzo(k)fluoranthene	478	340	UG/KG	SW8270D
Chrysene	1000	340	UG/KG	SW8270D
Dibenzo(a,h)anthracene	120 J	340	UG/KG	SW8270D
Fluoranthene	2370	340	UG/KG	SW8270D
Fluorene	107 J	340	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	386	340	UG/KG	SW8270D
Naphthalene	95.3 J	340	UG/KG	SW8270D
Phenanthrene	1240	340	UG/KG	SW8270D
Pyrene	1920	340	UG/KG	SW8270D
1-Methylnaphthalene	22.8	4.3	UG/KG	SW8270D-SIM
2-Methylnaphthalene	45.0	4.3	UG/KG	SW8270D-SIM
Acenaphthene	33.9	4.3	UG/KG	SW8270D-SIM
Acenaphthylene	53.6	4.3	UG/KG	SW8270D-SIM
Anthracene	150	4.3	UG/KG	SW8270D-SIM
Benzo(a)anthracene	443	4.3	UG/KG	SW8270D-SIM
Benzo(a)pyrene	378	4.3	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	561	4.3	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	218	4.3	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	163	4.3	UG/KG	SW8270D-SIM

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	449	4.3	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	81.2	4.3	UG/KG	SW8270D-SIM
Fluorene	40.6	4.3	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	198	4.3	UG/KG	SW8270D-SIM
Naphthalene	121	4.3	UG/KG	SW8270D-SIM
Phenanthrene	256	4.3	UG/KG	SW8270D-SIM
Pyrene	504	4.3	UG/KG	SW8270D-SIM
TOC	184000	631	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-04DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	838	3.37	MG/KG	SW6010B
Fluoranthene	827	21	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-05

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	3770	9.02	MG/KG	SW6010B
Antimony	1.00	0.902	MG/KG	SW6010B
Arsenic	6.59	0.902	MG/KG	SW6010B
Barium	107	0.451	MG/KG	SW6010B
Beryllium	0.296 J	0.451	MG/KG	SW6010B
Cadmium	1.67	0.451	MG/KG	SW6010B
Calcium	9780	9.02	MG/KG	SW6010B
Chromium	17.6	0.451	MG/KG	SW6010B
Cobalt	4.03	0.451	MG/KG	SW6010B
Copper	52.3	0.451	MG/KG	SW6010B
Iron	13300	4.51	MG/KG	SW6010B
Lead	129	0.721	MG/KG	SW6010B
Magnesium	2130	9.02	MG/KG	SW6010B
Manganese	225	0.451	MG/KG	SW6010B
Nickel	11.3	0.451	MG/KG	SW6010B
Potassium	315	45.1	MG/KG	SW6010B
Silver	0.258 J	0.451	MG/KG	SW6010B
Sodium	61.3	27.0	MG/KG	SW6010B
Vanadium	9.20	0.451	MG/KG	SW6010B

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EXECUTIVE SUMMARY - Detection Highlights

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Zinc	392	0.902	MG/KG	SW6010B
Mercury	0.442	0.0185	MG/KG	SW7471A
1,1'-Biphenyl	317000	190000	UG/KG	SW8270D
2-Methylnaphthalene	2180000	190000	UG/KG	SW8270D
Acenaphthene	2320000	190000	UG/KG	SW8270D
Acenaphthylene	309000	190000	UG/KG	SW8270D
Benzo(a)anthracene	1740000	190000	UG/KG	SW8270D
Benzo(a)pyrene	1050000	190000	UG/KG	SW8270D
Benzo(b)fluoranthene	1470000	190000	UG/KG	SW8270D
Benzo(g,h,i)perylene	369000	190000	UG/KG	SW8270D
Benzo(k)fluoranthene	777000	190000	UG/KG	SW8270D
Carbazole	1640000	190000	UG/KG	SW8270D
Chrysene	1920000	190000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	168000 J	190000	UG/KG	SW8270D
Dibenzofuran	1610000	190000	UG/KG	SW8270D
Fluorene	2610000	190000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	367000	190000	UG/KG	SW8270D
Pyrene	2700000	190000	UG/KG	SW8270D
Acenaphthylene	352000	3000	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	366000	3000	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	186000	3000	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	381000	3000	UG/KG	SW8270D-SIM
TOC	409000	897	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-05DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Anthracene	5220000	950000	UG/KG	SW8270D
Fluoranthene	6260000	950000	UG/KG	SW8270D
Naphthalene	11900000	950000	UG/KG	SW8270D
Phenanthrene	10200000	950000	UG/KG	SW8270D
1-Methylnaphthalene	880000	750000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	1760000	750000	UG/KG	SW8270D-SIM
Acenaphthene	2010000	750000	UG/KG	SW8270D-SIM
Anthracene	4930000	750000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	1840000	750000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1170000	750000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1330000	750000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	612000 J	750000	UG/KG	SW8270D-SIM
Chrysene	1900000	750000	UG/KG	SW8270D-SIM

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Fluoranthene	3970000	750000	UG/KG	SW8270D-SIM
Fluorene	2450000	750000	UG/KG	SW8270D-SIM
Naphthalene	6750000	750000	UG/KG	SW8270D-SIM
Phenanthrene	6190000	750000	UG/KG	SW8270D-SIM
Pyrene	2330000	750000	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-06

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	2700	11.2	MG/KG	SW6010B
Antimony	1.21	1.12	MG/KG	SW6010B
Arsenic	10.5	1.12	MG/KG	SW6010B
Barium	73.2	0.563	MG/KG	SW6010B
Beryllium	0.256 J	0.563	MG/KG	SW6010B
Cadmium	2.16	0.563	MG/KG	SW6010B
Calcium	9890	11.2	MG/KG	SW6010B
Chromium	19.7	0.563	MG/KG	SW6010B
Cobalt	4.18	0.563	MG/KG	SW6010B
Copper	62.5	0.563	MG/KG	SW6010B
Iron	14800	5.63	MG/KG	SW6010B
Lead	135	0.900	MG/KG	SW6010B
Magnesium	2240	11.2	MG/KG	SW6010B
Manganese	350	0.563	MG/KG	SW6010B
Nickel	9.35	0.563	MG/KG	SW6010B
Potassium	271	56.3	MG/KG	SW6010B
Sodium	61.5	33.8	MG/KG	SW6010B
Thallium	0.486 J	1.12	MG/KG	SW6010B
Vanadium	10.7	0.563	MG/KG	SW6010B
Zinc	427	1.12	MG/KG	SW6010B
Mercury	0.327	0.0179	MG/KG	SW7471A
1,1'-Biphenyl	330000	220000	UG/KG	SW8270D
2-Methylnaphthalene	2040000	220000	UG/KG	SW8270D
Acenaphthene	2480000	220000	UG/KG	SW8270D
Acenaphthylene	364000	220000	UG/KG	SW8270D
Anthracene	3200000	220000	UG/KG	SW8270D
Benzo(a)anthracene	1950000	220000	UG/KG	SW8270D
Benzo(a)pyrene	1230000	220000	UG/KG	SW8270D
Benzo(b)fluoranthene	1800000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	418000	220000	UG/KG	SW8270D
Benzo(k)fluoranthene	794000	220000	UG/KG	SW8270D

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Carbazole	1370000	220000	UG/KG	SW8270D
Chrysene	1970000	220000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	189000 J	220000	UG/KG	SW8270D
Dibenzofuran	1630000	220000	UG/KG	SW8270D
Fluorene	2690000	220000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	410000	220000	UG/KG	SW8270D
Pyrene	3030000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	519000	3800	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	257000	3800	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	526000	3800	UG/KG	SW8270D-SIM
TOC	509000	1170	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-06DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Fluoranthene	7300000	1100000	UG/KG	SW8270D
Naphthalene	11700000	1100000	UG/KG	SW8270D
Phenanthrene	11600000	1100000	UG/KG	SW8270D
1-Methylnaphthalene	1310000	960000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	2440000	960000	UG/KG	SW8270D-SIM
Acenaphthene	2760000	960000	UG/KG	SW8270D-SIM
Acenaphthylene	1020000	960000	UG/KG	SW8270D-SIM
Anthracene	5790000	960000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	2450000	960000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1590000	960000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1780000	960000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	874000 J	960000	UG/KG	SW8270D-SIM
Chrysene	2580000	960000	UG/KG	SW8270D-SIM
Fluoranthene	5590000	960000	UG/KG	SW8270D-SIM
Fluorene	3240000	960000	UG/KG	SW8270D-SIM
Naphthalene	8960000	960000	UG/KG	SW8270D-SIM
Phenanthrene	8820000	960000	UG/KG	SW8270D-SIM
Pyrene	3260000	960000	UG/KG	SW8270D-SIM

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Organics

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Organic Data Qualifiers

DRAFT

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates an estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

X Data flagged as rejected by analyst utilizing analytical judgement.

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Organic Sample ID Qualifiers

DRAFT

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

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DRAFT

8270 SIM Semi-Volatile Organics

090512 1946

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D.

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-01DL1 EPAFMC-SD-01MS EPAFMC-SD-01SD EPAFMC-SD-02DL1 EPAFMC-SD-03DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 05/02/12. The following analyte(s) were recovered below criteria: 1-

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 05/02/12. The following analyte(s) were recovered below criteria: 1-Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123). The following analyte(s) exceeded RPD criteria: 2-Methylnaphthalene at 200 % with criteria of (30), Acenaphthylene at 33.4 % with criteria of (30), Anthracene at 92.3 % with criteria of (30), Benzo(a)anthracene at 89.6 % with criteria of (30), Benzo(a)pyrene at 79.8 % with criteria of (30), Benzo(b)fluoranthene at 86.9 % with criteria of (30), Benzo(g,h,i)perylene at 48.2 % with criteria of (30), Benzo(k)fluoranthene at 84.6 % with criteria of (30), Chrysene at 84.1 % with criteria of (30), Dibenzo(a,h)anthracene at 76.6 % with criteria of (30), Fluoranthene at 97.4 % with criteria of (30), Fluorene at 73.8 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 72.7 % with criteria of (30), Phenanthrene at 86.4 % with criteria of (30), Pyrene at 100.1 % with criteria of (30).

Samples coded accordingly.

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-01 required a 200X dilution due to high concentration of the following analyte(s): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-02 required a 200X dilution due to high concentration of the following analyte(s): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-03 required a 50X dilution due to high concentration of the following analyte(s): Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte(s): Fluoranthene. Both full and diluted runs are reported.

Sample EPAFMC-SD-05 required a 200X dilution due to high concentration of the following analyte(s): .

Sample EPAFMC-SD-05 required a 50000X dilution due to high concentration of the following analyte(s): 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-06 required a 200X dilution due to high concentration of the following analyte(s): .

Sample EPAFMC-SD-06 required a 50000X dilution due to high concentration of the following analyte(s): 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: DATE:

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Digitally Sign

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270 SIM

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

090512 1946

DRAFT

8270 SIM Sample Data

090512 1946

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1706

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	124		1.6	3.9
91-57-6	2-Methylnaphthalene	422		1.6	3.9
83-32-9	Acenaphthene	1170	E	1.6	3.9
208-96-8	Acenaphthylene	1090	E	1.6	3.9
120-12-7	Anthracene	8560	E	1.6	3.9
56-55-3	Benzo(a)anthracene	6800	E	1.6	3.9
50-32-8	Benzo(a)pyrene	4760	E	2.1	3.9
205-99-2	Benzo(b)fluoranthene	5820	E	2.2	3.9
191-24-2	Benzo(g,h,i)perylene	1580	E	3.6	3.9
207-08-9	Benzo(k)fluoranthene	1500	E	2.5	3.9
218-01-9	Chrysene	3670	E	1.5	3.9
53-70-3	Dibenzo(a,h)anthracene	926	E	3	3.9
206-44-0	Fluoranthene	8490	E	1.6	3.9
86-73-7	Fluorene	2390	E	1.6	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	1810	E	3.5	3.9
91-20-3	Naphthalene	728	E	1.6	3.9
85-01-8	Phenanthrene	7350	E	1.6	3.9
129-00-0	Pyrene	4200	E	1.6	3.9

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1 Lab File ID: 83501D200.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1333

PercentSolids: 67.6 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	312	U	312	781
91-57-6	2-Methylnaphthalene	721	J	312	781
83-32-9	Acenaphthene	9140		312	781
208-96-8	Acenaphthylene	13200		312	781
120-12-7	Anthracene	21200		312	781
56-55-3	Benzo(a)anthracene	16000		328	781
50-32-8	Benzo(a)pyrene	10300		422	781
205-99-2	Benzo(b)fluoranthene	12700		445	781
191-24-2	Benzo(g,h,i)perylene	6920		727	781
207-08-9	Benzo(k)fluoranthene	4680		492	781
218-01-9	Chrysene	15900		305	781
53-70-3	Dibenzo(a,h)anthracene	2230		610	781
206-44-0	Fluoranthene	26800		312	781
86-73-7	Fluorene	5600		312	781
193-39-5	Indeno(1,2,3-cd)pyrene	4630		703	781
91-20-3	Naphthalene	1260		328	781
85-01-8	Phenanthrene	20400		312	781
129-00-0	Pyrene	17600		312	781

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1731

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	129		1.3	3.2
91-57-6	2-Methylnaphthalene	378		1.3	3.2
83-32-9	Acenaphthene	734	E	1.3	3.2
208-96-8	Acenaphthylene	1330	E	1.3	3.2
120-12-7	Anthracene	4420	E	1.3	3.2
56-55-3	Benzo(a)anthracene	9070	E	1.3	3.2
50-32-8	Benzo(a)pyrene	4800	E	1.7	3.2
205-99-2	Benzo(b)fluoranthene	4980	E	1.8	3.2
191-24-2	Benzo(g,h,i)perylene	1640	E	3	3.2
207-08-9	Benzo(k)fluoranthene	1830	E	2	3.2
218-01-9	Chrysene	4370	E	1.2	3.2
53-70-3	Dibenzo(a,h)anthracene	894	E	2.5	3.2
206-44-0	Fluoranthene	8190	E	1.3	3.2
86-73-7	Fluorene	1260	E	1.3	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	1920	E	2.9	3.2
91-20-3	Naphthalene	1540	E	1.3	3.2
85-01-8	Phenanthrene	5780	E	1.3	3.2
129-00-0	Pyrene	5560	E	1.3	3.2

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D200.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1808

PercentSolids: 80.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	256	U	256	641
91-57-6	2-Methylnaphthalene	462	J	256	641
83-32-9	Acenaphthene	1370		256	641
208-96-8	Acenaphthylene	2030		256	641
120-12-7	Anthracene	6510		256	641
56-55-3	Benzo(a)anthracene	15800		270	641
50-32-8	Benzo(a)pyrene	10800		347	641
205-99-2	Benzo(b)fluoranthene	14900		366	641
191-24-2	Benzo(g,h,i)perylene	4970		597	641
207-08-9	Benzo(k)fluoranthene	15800		404	641
218-01-9	Chrysene	13300		250	641
53-70-3	Dibenzo(a,h)anthracene	1920		501	641
206-44-0	Fluoranthene	28300		256	641
86-73-7	Fluorene	2060		256	641
193-39-5	Indeno(1,2,3-cd)pyrene	4970		578	641
91-20-3	Naphthalene	2490		270	641
85-01-8	Phenanthrene	11900		256	641
129-00-0	Pyrene	18700		256	641

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1845

PercentSolids: 74.2 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	43.2		1.4	3.6
91-57-6	2-Methylnaphthalene	111		1.4	3.6
83-32-9	Acenaphthene	602	E	1.4	3.6
208-96-8	Acenaphthylene	761	E	1.4	3.6
120-12-7	Anthracene	2900	E	1.4	3.6
56-55-3	Benzo(a)anthracene	5760	E	1.5	3.6
50-32-8	Benzo(a)pyrene	2990	E	1.9	3.6
205-99-2	Benzo(b)fluoranthene	3810	E	2	3.6
191-24-2	Benzo(g,h,i)perylene	898	E	3.3	3.6
207-08-9	Benzo(k)fluoranthene	932	E	2.2	3.6
218-01-9	Chrysene	2840	E	1.4	3.6
53-70-3	Dibenzo(a,h)anthracene	530		2.8	3.6
206-44-0	Fluoranthene	5980	E	1.4	3.6
86-73-7	Fluorene	916	E	1.4	3.6
193-39-5	Indeno(1,2,3-cd)pyrene	1040	E	3.2	3.6
91-20-3	Naphthalene	274		1.5	3.6
85-01-8	Phenanthrene	3970	E	1.4	3.6
129-00-0	Pyrene	4090	E	1.4	3.6

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1 Lab File ID: 83503D50.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1832

PercentSolids: 74.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	71	U	71	178
91-57-6	2-Methylnaphthalene	132	J	71	178
83-32-9	Acenaphthene	999		71	178
208-96-8	Acenaphthylene	1020		71	178
120-12-7	Anthracene	4550		71	178
56-55-3	Benzo(a)anthracene	7290		74.7	178
50-32-8	Benzo(a)pyrene	5040		96	178
205-99-2	Benzo(b)fluoranthene	6910		101	178
191-24-2	Benzo(g,h,i)perylene	2250		165	178
207-08-9	Benzo(k)fluoranthene	2250		112	178
218-01-9	Chrysene	5990		69.4	178
53-70-3	Dibenzo(a,h)anthracene	1020		139	178
206-44-0	Fluoranthene	12200		71	178
86-73-7	Fluorene	1390		71	178
193-39-5	Indeno(1,2,3-cd)pyrene	2260		160	178
91-20-3	Naphthalene	397		74.7	178
85-01-8	Phenanthrene	6320		71	178
129-00-0	Pyrene	7850		71	178

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1133

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	22.8		1.7	4.3
91-57-6	2-Methylnaphthalene	45		1.7	4.3
83-32-9	Acenaphthene	33.9		1.7	4.3
208-96-8	Acenaphthylene	53.6		1.7	4.3
120-12-7	Anthracene	150		1.7	4.3
56-55-3	Benzo(a)anthracene	443		1.8	4.3
50-32-8	Benzo(a)pyrene	378		2.3	4.3
205-99-2	Benzo(b)fluoranthene	561		2.4	4.3
191-24-2	Benzo(g,h,i)perylene	218		4	4.3
207-08-9	Benzo(k)fluoranthene	163		2.7	4.3
218-01-9	Chrysene	449		1.7	4.3
53-70-3	Dibenzo(a,h)anthracene	81.2		3.3	4.3
206-44-0	Fluoranthene	677	E	1.7	4.3
86-73-7	Fluorene	40.6		1.7	4.3
193-39-5	Indeno(1,2,3-cd)pyrene	198		3.9	4.3
91-20-3	Naphthalene	121		1.8	4.3
85-01-8	Phenanthrene	256		1.7	4.3
129-00-0	Pyrene	504		1.7	4.3

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1 Lab File ID: 83504D5.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1856

PercentSolids: 62 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	27		8.6	21.4
91-57-6	2-Methylnaphthalene	48.6		8.6	21.4
83-32-9	Acenaphthene	41.6		8.6	21.4
208-96-8	Acenaphthylene	65.3		8.6	21.4
120-12-7	Anthracene	177		8.6	21.4
56-55-3	Benzo(a)anthracene	550		9	21.4
50-32-8	Benzo(a)pyrene	452		11.6	21.4
205-99-2	Benzo(b)fluoranthene	662		12.2	21.4
191-24-2	Benzo(g,h,i)perylene	255		20	21.4
207-08-9	Benzo(k)fluoranthene	207		13.5	21.4
218-01-9	Chrysene	505		8.4	21.4
53-70-3	Dibenzo(a,h)anthracene	92.4		16.7	21.4
206-44-0	Fluoranthene	827		8.6	21.4
86-73-7	Fluorene	48.1		8.6	21.4
193-39-5	Indeno(1,2,3-cd)pyrene	237		19.3	21.4
91-20-3	Naphthalene	141		9	21.4
85-01-8	Phenanthrene	306		8.6	21.4
129-00-0	Pyrene	620		8.6	21.4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505D200.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1309

PercentSolids: 78.2 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	772000	E	1200	3000
91-57-6	2-Methylnaphthalene	1980000	E	1200	3000
83-32-9	Acenaphthene	1650000	E	1200	3000
208-96-8	Acenaphthylene	352000		1200	3000
120-12-7	Anthracene	4360000	E	1200	3000
56-55-3	Benzo(a)anthracene	1800000	E	1260	3000
50-32-8	Benzo(a)pyrene	997000	E	1620	3000
205-99-2	Benzo(b)fluoranthene	1360000	E	1710	3000
191-24-2	Benzo(g,h,i)perylene	366000		2800	3000
207-08-9	Benzo(k)fluoranthene	472000	E	1890	3000
218-01-9	Chrysene	1720000	E	1170	3000
53-70-3	Dibenzo(a,h)anthracene	186000		2340	3000
206-44-0	Fluoranthene	3660000	E	1200	3000
86-73-7	Fluorene	2050000	E	1200	3000
193-39-5	Indeno(1,2,3-cd)pyrene	381000		2710	3000
91-20-3	Naphthalene	6760000	E	1260	3000
85-01-8	Phenanthrene	6220000	E	1200	3000
129-00-0	Pyrene	2140000	E	1200	3000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505D50K.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1442

PercentSolids: 78.2 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	880000		300000	751000
91-57-6	2-Methylnaphthalene	1760000		300000	751000
83-32-9	Acenaphthene	2010000		300000	751000
208-96-8	Acenaphthylene	1550000		300000	751000
120-12-7	Anthracene	4930000		300000	751000
56-55-3	Benzo(a)anthracene	1840000		316000	751000
50-32-8	Benzo(a)pyrene	1170000		406000	751000
205-99-2	Benzo(b)fluoranthene	1330000		428000	751000
191-24-2	Benzo(g,h,i)perylene	699000	U	699000	751000
207-08-9	Benzo(k)fluoranthene	612000	J	474000	751000
218-01-9	Chrysene	1900000		293000	751000
53-70-3	Dibenzo(a,h)anthracene	586000	U	586000	751000
206-44-0	Fluoranthene	3970000		300000	751000
86-73-7	Fluorene	2450000		300000	751000
193-39-5	Indeno(1,2,3-cd)pyrene	676000	U	676000	751000
91-20-3	Naphthalene	6750000		316000	751000
85-01-8	Phenanthrene	6190000		300000	751000
129-00-0	Pyrene	2330000		300000	751000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506D200.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1245

PercentSolids: 66.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1030000	E	1540	3850
91-57-6	2-Methylnaphthalene	2590000	E	1540	3850
83-32-9	Acenaphthene	2250000	E	1540	3850
208-96-8	Acenaphthylene	612000	E	1540	3850
120-12-7	Anthracene	5160000	E	1540	3850
56-55-3	Benzo(a)anthracene	2560000	E	1620	3850
50-32-8	Benzo(a)pyrene	1340000	E	2080	3850
205-99-2	Benzo(b)fluoranthene	1850000	E	2200	3850
191-24-2	Benzo(g,h,i)perylene	519000		3580	3850
207-08-9	Benzo(k)fluoranthene	604000	E	2430	3850
218-01-9	Chrysene	2220000	E	1500	3850
53-70-3	Dibenzo(a,h)anthracene	257000		3000	3850
206-44-0	Fluoranthene	5060000	E	1540	3850
86-73-7	Fluorene	2740000	E	1540	3850
193-39-5	Indeno(1,2,3-cd)pyrene	526000		3470	3850
91-20-3	Naphthalene	8520000	E	1620	3850
85-01-8	Phenanthrene	8350000	E	1540	3850
129-00-0	Pyrene	2950000	E	1540	3850

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506D50K.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1507

PercentSolids: 66.7 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1310000		384000	962000
91-57-6	2-Methylnaphthalene	2440000		384000	962000
83-32-9	Acenaphthene	2760000		384000	962000
208-96-8	Acenaphthylene	1020000		384000	962000
120-12-7	Anthracene	5790000		384000	962000
56-55-3	Benzo(a)anthracene	2450000		404000	962000
50-32-8	Benzo(a)pyrene	1590000		520000	962000
205-99-2	Benzo(b)fluoranthene	1780000		549000	962000
191-24-2	Benzo(g,h,i)perylene	896000	U	896000	962000
207-08-9	Benzo(k)fluoranthene	874000	J	607000	962000
218-01-9	Chrysene	2580000		376000	962000
53-70-3	Dibenzo(a,h)anthracene	751000	U	751000	962000
206-44-0	Fluoranthene	5590000		384000	962000
86-73-7	Fluorene	3240000		384000	962000
193-39-5	Indeno(1,2,3-cd)pyrene	867000	U	867000	962000
91-20-3	Naphthalene	8960000		404000	962000
85-01-8	Phenanthrene	8820000		384000	962000
129-00-0	Pyrene	3260000		384000	962000

DRAFT

8270 SIM QC Summary

090512 1947

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 128646MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128646MB Lab File ID: 9282MB.D

Sample wt/vol: 20.34 Units: G Date Received: 05/02/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/02/12 Time: 1025

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1.3	U	1.3	3.3
91-57-6	2-Methylnaphthalene	1.3	U	1.3	3.3
83-32-9	Acenaphthene	1.3	U	1.3	3.3
208-96-8	Acenaphthylene	1.3	U	1.3	3.3
120-12-7	Anthracene	1.3	U	1.3	3.3
56-55-3	Benzo(a)anthracene	1.4	U	1.4	3.3
50-32-8	Benzo(a)pyrene	1.8	U	1.8	3.3
205-99-2	Benzo(b)fluoranthene	1.9	U	1.9	3.3
191-24-2	Benzo(g,h,i)perylene	3	U	3	3.3
207-08-9	Benzo(k)fluoranthene	2.1	U	2.1	3.3
218-01-9	Chrysene	1.3	U	1.3	3.3
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	3.3
206-44-0	Fluoranthene	1.3	U	1.3	3.3
86-73-7	Fluorene	1.3	U	1.3	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	2.9	U	2.9	3.3
91-20-3	Naphthalene	1.4	U	1.4	3.3
85-01-8	Phenanthrene	1.3	U	1.3	3.3
129-00-0	Pyrene	1.3	U	1.3	3.3

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
128646MB	77.2	82.1					0
128647LCS	82.3	85.6					0
EPAFMC-SD-01	62.5	78.5					0
EPAFMC-SD-01DL1	0.0 D	0.0 D					0
EPAFMC-SD-01MS	0.0 D	0.0 D					0
EPAFMC-SD-01SD	0.0 D	0.0 D					0
EPAFMC-SD-02	106.0	67.2					0
EPAFMC-SD-02DL1	0.0 D	0.0 D					0
EPAFMC-SD-03	70.4	67.4					0
EPAFMC-SD-03DL1	0.0 D	0.0 D					0
EPAFMC-SD-04	50.9	49.7					0
EPAFMC-SD-04DL1	58.1	55.9					0
EPAFMC-SD-05	0.0 D	0.0 D					0
EPAFMC-SD-05DL1	0.0 D	0.0 D					0
EPAFMC-SD-06	0.0 D	0.0 D					0
EPAFMC-SD-06DL1	0.0 D	0.0 D					0

Control Limits

S1	= p-Terphenyl-d14	43 -	145
S2	= 2-Fluorobiphenyl	43 -	145

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

090512 1947

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 128647LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	24.3	19.3	79.4			49 - 127
2-Methylnaphthalene	24.3	25.3	104.0			31 - 149
Acenaphthene	24.3	24	98.8			47 - 127
Acenaphthylene	24.3	24.7	102.0			45 - 129
Anthracene	24.3	29.6	122.0			56 - 123
Benzo(a)anthracene	24.3	31.2	128.0			39 - 140
Benzo(a)pyrene	24.3	27.3	112.0			52 - 130
Benzo(b)fluoranthene	24.3	25.9	107.0			40 - 143
Benzo(g,h,i)perylene	24.3	23.6	97.1			48 - 133
Benzo(k)fluoranthene	24.3	24.7	102.0			49 - 131
Chrysene	24.3	22.2	91.4			50 - 132
Dibenzo(a,h)anthracene	24.3	26.3	108.0			51 - 130
Fluoranthene	24.3	28	115.0			46 - 135
Fluorene	24.3	26.8	110.0			52 - 125
Indeno(1,2,3-cd)pyrene	24.3	25.2	104.0			48 - 135
Naphthalene	24.3	30.9	127.0			44 - 140
Phenanthrene	24.3	28.3	116.0			48 - 131
Pyrene	24.3	22.8	93.8			45 - 133

Spike Recovery: 0 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

090512 1947

Form III

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1-Methylnaphthalene	30	120	0	0.0 D	71 - 132
2-Methylnaphthalene	30	420	0	0.0 D	54 - 145
Acenaphthene	30	1200	1900	0.0 D	57 - 119
Acenaphthylene	30	1100	4800	0.0 D	54 - 115
Anthracene	30	8600	4900	0.0 D	40 - 138
Benzo(a)anthracene	30	6800	9300	0.0 D	53 - 119
Benzo(a)pyrene	30	4800	6400	0.0 D	20 - 120
Benzo(b)fluoranthene	30	5800	8500	0.0 D	50 - 171
Benzo(g,h,i)perylene	30	1600	3600	0.0 D	50 - 150
Benzo(k)fluoranthene	30	1500	2700	0.0 D	32 - 158
Chrysene	30	3700	8200	0.0 D	34 - 140
Dibenzo(a,h)anthracene	30	930	1300	0.0 D	41 - 114
Fluoranthene	30	8500	16000	0.0 D	55 - 132
Fluorene	30	2400	1700	0.0 D	59 - 118
Indeno(1,2,3-cd)pyrene	30	1800	2900	0.0 D	19 - 122
Naphthalene	30	730	1100	0.0 D	59 - 111
Phenanthrene	30	7400	6200	0.0 D	54 - 112
Pyrene	30	4200	9800	0.0 D	55 - 123

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

090512 1947

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre

EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	29	0	0.0 D		30	71 - 132
2-Methylnaphthalene	29	440	0.0 D	200.0 *	30	54 - 145
Acenaphthene	29	2200	0.0 D	12.6	30	57 - 119
Acenaphthylene	29	3400	0.0 D	33.4 *	30	54 - 115
Anthracene	29	13000	0.0 D	92.3 *	30	40 - 138
Benzo(a)anthracene	29	24000	0.0 D	89.6 *	30	53 - 119
Benzo(a)pyrene	29	15000	0.0 D	79.8 *	30	20 - 120
Benzo(b)fluoranthene	29	22000	0.0 D	86.9 *	30	50 - 171
Benzo(g,h,i)perylene	29	5800	0.0 D	48.2 *	30	50 - 150
Benzo(k)fluoranthene	29	6700	0.0 D	84.6 *	30	32 - 158
Chrysene	29	20000	0.0 D	84.1 *	30	34 - 140
Dibenzo(a,h)anthracene	29	2900	0.0 D	76.6 *	30	41 - 114
Fluoranthene	29	46000	0.0 D	97.4 *	30	55 - 132
Fluorene	29	3700	0.0 D	73.8 *	30	59 - 118
Indeno(1,2,3-cd)pyrene	29	6200	0.0 D	72.7 *	30	19 - 122
Naphthalene	29	1100	0.0 D	5.5	30	59 - 111
Phenanthrene	29	16000	0.0 D	86.4 *	30	54 - 112
Pyrene	29	29000	0.0 D	100.1 *	30	55 - 123

RPD: 15 out of 18 outside limits

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

090512 1947

DRAFT

8270 Semi-Volatile Organics

090512 1947

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. The low calibration standard is 500 ug/Kg for the following analyte: Pentachlorophenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-02DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The MS and MSD were originally analyzed full, but some compounds were over the calibration range and the full runs are not reported. The MS and MSD were reanalyzed and are reported at a 2X dilution.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 23.1 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Hexachlorocyclopentadiene at 0 % with criteria of (10-119) and the following analytes were recovered above criteria: 2-Methylnaphthalene at 213 % with criteria of (33-120), Acenaphthene at 198 % with criteria of (30-135), Anthracene at 264 % with criteria of (31-121), Benzo(a)anthracene at 184 % with criteria of (30-117), Benzo(a)pyrene at 152 % with criteria of (31-121), Benzo(b)fluoranthene at 152 % with criteria of (23-128), Bis(2-ethylhexyl)phthalate at 150 % with criteria of (32-138), Carbazole at 207 % with criteria of (34-133), Chrysene at 175 % with criteria of (32-115), Dibenzofuran at 204 % with criteria of (31-123), Fluoranthene at 349 % with criteria of (29-125), Fluorene at 223 % with criteria of (25-120), Naphthalene at 638 % with criteria of (29-119), Phenanthrene at 490 % with criteria of (28-121), Pyrene at 227 % with criteria of (31-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 24.4 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Benzo(a)anthracene at 0 % with criteria of (30-117), Benzo(a)pyrene at 16.5 % with criteria of (31-121), Benzo(b)fluoranthene at 0 % with criteria of (23-128), Benzo(g,h,i)perylene at 26.5 % with criteria of (28-120), Benzo(k)fluoranthene at 11.7 % with criteria of (31-120), Chrysene at 0 % with criteria of (32-115), Fluoranthene at 0 % with criteria of (29-125), Hexachlorocyclopentadiene at 0 % with criteria of (10-119), Phenanthrene at 0 % with criteria of (28-121), Pyrene at 0 % with criteria of (31-125). The following analytes exceeded RPD criteria: 1,1'-Biphenyl at 51.5 % with criteria of (30), 2-Methylnaphthalene at 93.5 % with criteria of (30), Acenaphthene at 90.3 % with criteria of (30), Acenaphthylene at 38.1 % with criteria of (30), Anthracene at 62.1 % with criteria of (30), Benzo(a)anthracene at 52.2 % with criteria of (30), Benzo(a)pyrene at 47.9 % with criteria of (30), Benzo(b)fluoranthene at 44.9 % with criteria of (30), Benzo(g,h,i)perylene at 34 % with criteria of (30), Benzo(k)fluoranthene at 52.4 % with criteria of (30), Bis(2-ethylhexyl)phthalate at 67.2 % with criteria of (30), Carbazole at 67.4 % with criteria of (30), Chrysene at 59 % with criteria of (30), Dibenzofuran at 81.7 % with criteria of (30), Di-n-octylphthalate at 30.1 % with criteria of (30), Fluoranthene at 63 % with criteria of (30), Fluorene at 93.4 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 32.4 % with criteria of (30), Naphthalene at 146.4 % with criteria of (30), Phenanthrene at 108.5 % with criteria of (30), Pyrene at 62 % with criteria of (30).

Samples coded accordingly.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-02 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds. A further dilution of 25X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Phenanthrene, Pyrene. Both diluted runs are reported.

Sample EPAFMC-SD-03 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds.

Sample EPAFMC-SD-05 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-06 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-01 could only be brought to a final volume of 11mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 11mL final volume that is reported.

Sample EPAFMC-SD-05 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-05DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE:**
05/09/2012

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

090512 1947

DRAFT

8270 Sample Data

090512 1947

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	839	U	839	3380
108-95-2	Phenol	814	U	814	16700
95-57-8	2-Chlorophenol	864	U	864	3380
108-60-1	2,2'-Oxybis(1-chloropropane)	2750	U	2750	3380
95-48-7	2-Methylphenol	1200	U	1200	3340
67-72-1	Hexachloroethane	626	U	626	3380
621-64-7	N-Nitroso-di-n-propylamine	764	U	764	3380
106-44-5	4-Methylphenol	739	U	739	3380
98-95-3	Nitrobenzene	751	U	751	3380
78-59-1	Isophorone	739	U	739	3380
88-75-5	2-Nitrophenol	902	U	902	3380
105-67-9	2,4-Dimethylphenol	714	U	714	3340
111-91-1	Bis(2-chloroethoxy)methane	714	U	714	3340
120-83-2	2,4-Dichlorophenol	939	U	939	3340
91-20-3	Naphthalene	801	U	801	3380
106-47-8	4-Chloroaniline	789	U	789	3380
91-57-6	2-Methylnaphthalene	726	U	726	3380
87-68-3	Hexachlorobutadiene	726	U	726	3380
59-50-7	4-Chloro-3-methylphenol	701	U	701	3380
77-47-4	Hexachlorocyclopentadiene	501	U	501	8350
88-06-2	2,4,6-Trichlorophenol	851	U	851	3340
95-95-4	2,4,5-Trichlorophenol	927	U	927	3340
91-58-7	2-Chloronaphthalene	835	U	835	3380
88-74-4	2-Nitroaniline	714	U	714	3380
208-96-8	Acenaphthylene	944	J	689	3380
131-11-3	Dimethylphthalate	739	U	739	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	626	U	626	3380
83-32-9	Acenaphthene	928	J	614	3380
99-09-2	3-Nitroaniline	1000	U	1000	3340
51-28-5	2,4-Dinitrophenol	2750	U	2750	16800
132-64-9	Dibenzofuran	676	U	676	3380
121-14-2	2,4-Dinitrotoluene	614	U	614	3380
100-02-7	4-Nitrophenol	664	U	664	8350
86-73-7	Fluorene	1230	J	639	3380
7005-72-3	4-Chlorophenyl-phenylether	639	U	639	3380
84-66-2	Diethylphthalate	639	U	639	3380
100-01-6	4-Nitroaniline	1100	U	1100	3340
534-52-1	4,6-Dinitro-2-methylphenol	3330	U	3330	3380
86-30-6	N-Nitrosodiphenylamine	789	U	789	3340
101-55-3	4-Bromophenyl-phenylether	614	U	614	3380
118-74-1	Hexachlorobenzene	664	U	664	3340
87-86-5	Pentachlorophenol	1660	U	1660	3380
85-01-8	Phenanthrene	6590		701	3380
120-12-7	Anthracene	2860	J	751	3380
84-74-2	Di-n-butylphthalate	551	U	551	3380
206-44-0	Fluoranthene	13700		601	3380
129-00-0	Pyrene	10600		1150	3380
85-68-7	Butylbenzylphthalate	789	U	789	3380
91-94-1	3,3'-Dichlorobenzidine	739	U	739	3380
56-55-3	Benzo(a)anthracene	7390		714	3380
218-01-9	Chrysene	7300		426	3340
117-81-7	Bis(2-ethylhexyl)phthalate	1040	U	1040	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	726	U	726	3380
205-99-2	Benzo(b)fluoranthene	7130		789	3380
207-08-9	Benzo(k)fluoranthene	3050	J	714	3380
50-32-8	Benzo(a)pyrene	4520		538	3380
193-39-5	Indeno(1,2,3-cd)pyrene	2070	J	651	3380
53-70-3	Dibenzo(a,h)anthracene	818	J	513	3380
191-24-2	Benzo(g,h,i)perylene	2220	J	501	3380
98-86-2	Acetophenone	1250	U	1250	3380
95-94-3	1,2,4,5-Tetrachlorobenzene	588	U	588	3380
86-74-8	Carbazole	676	U	676	3380
105-60-2	Caprolactam	1750	U	1750	3380
92-52-4	1,1'-Biphenyl	764	U	764	3380
1912-24-9	Atrazine	989	U	989	3380
100-52-7	Benzaldehyde	563	U	563	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	328	U	328	1320
108-95-2	Phenol	318	U	318	6530
95-57-8	2-Chlorophenol	338	U	338	1320
108-60-1	2,2'-Oxybis(1-chloropropane)	1080	U	1080	1320
95-48-7	2-Methylphenol	470	U	470	1310
67-72-1	Hexachloroethane	245	U	245	1320
621-64-7	N-Nitroso-di-n-propylamine	299	U	299	1320
106-44-5	4-Methylphenol	289	U	289	1320
98-95-3	Nitrobenzene	294	U	294	1320
78-59-1	Isophorone	289	U	289	1320
88-75-5	2-Nitrophenol	353	U	353	1320
105-67-9	2,4-Dimethylphenol	279	U	279	1310
111-91-1	Bis(2-chloroethoxy)methane	279	U	279	1310
120-83-2	2,4-Dichlorophenol	367	U	367	1310
91-20-3	Naphthalene	2350		313	1320
106-47-8	4-Chloroaniline	308	U	308	1320
91-57-6	2-Methylnaphthalene	1720		284	1320
87-68-3	Hexachlorobutadiene	284	U	284	1320
59-50-7	4-Chloro-3-methylphenol	274	U	274	1320
77-47-4	Hexachlorocyclopentadiene	196	U	196	3270
88-06-2	2,4,6-Trichlorophenol	333	U	333	1310
95-95-4	2,4,5-Trichlorophenol	362	U	362	1310
91-58-7	2-Chloronaphthalene	327	U	327	1320
88-74-4	2-Nitroaniline	279	U	279	1320
208-96-8	Acenaphthylene	2810		269	1320
131-11-3	Dimethylphthalate	289	U	289	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	245	U	245	1320
83-32-9	Acenaphthene	8020		240	1320
99-09-2	3-Nitroaniline	392	U	392	1310
51-28-5	2,4-Dinitrophenol	1080	U	1080	6560
132-64-9	Dibenzofuran	4920		264	1320
121-14-2	2,4-Dinitrotoluene	240	U	240	1320
100-02-7	4-Nitrophenol	260	U	260	3270
86-73-7	Fluorene	11800		250	1320
7005-72-3	4-Chlorophenyl-phenylether	250	U	250	1320
84-66-2	Diethylphthalate	250	U	250	1320
100-01-6	4-Nitroaniline	431	U	431	1310
534-52-1	4,6-Dinitro-2-methylphenol	1300	U	1300	1320
86-30-6	N-Nitrosodiphenylamine	308	U	308	1310
101-55-3	4-Bromophenyl-phenylether	240	U	240	1320
118-74-1	Hexachlorobenzene	260	U	260	1310
87-86-5	Pentachlorophenol	651	U	651	1320
85-01-8	Phenanthrene	40900	E	274	1320
120-12-7	Anthracene	31100	E	294	1320
84-74-2	Di-n-butylphthalate	216	U	216	1320
206-44-0	Fluoranthene	42200	E	235	1320
129-00-0	Pyrene	28900	E	451	1320
85-68-7	Butylbenzylphthalate	308	U	308	1320
91-94-1	3,3'-Dichlorobenzidine	289	U	289	1320
56-55-3	Benzo(a)anthracene	19600		279	1320
218-01-9	Chrysene	20300		166	1310
117-81-7	Bis(2-ethylhexyl)phthalate	406	U	406	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	284	U	284	1320
205-99-2	Benzo(b)fluoranthene	22500		308	1320
207-08-9	Benzo(k)fluoranthene	9520		279	1320
50-32-8	Benzo(a)pyrene	14500		211	1320
193-39-5	Indeno(1,2,3-cd)pyrene	4940		255	1320
53-70-3	Dibenzo(a,h)anthracene	2300		201	1320
191-24-2	Benzo(g,h,i)perylene	5060		196	1320
98-86-2	Acetophenone	490	U	490	1320
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	1320
86-74-8	Carbazole	6390		264	1320
105-60-2	Caprolactam	686	U	686	1320
92-52-4	1,1'-Biphenyl	645	J	299	1320
1912-24-9	Atrazine	387	U	387	1320
100-52-7	Benzaldehyde	220	U	220	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	1640	U	1640	6610
108-95-2	Phenol	1590	U	1590	32700
95-57-8	2-Chlorophenol	1690	U	1690	6610
108-60-1	2,2'-Oxybis(1-chloropropane)	5390	U	5390	6610
95-48-7	2-Methylphenol	2350	U	2350	6540
67-72-1	Hexachloroethane	1220	U	1220	6610
621-64-7	N-Nitroso-di-n-propylamine	1490	U	1490	6610
106-44-5	4-Methylphenol	1440	U	1440	6610
98-95-3	Nitrobenzene	1470	U	1470	6610
78-59-1	Isophorone	1440	U	1440	6610
88-75-5	2-Nitrophenol	1760	U	1760	6610
105-67-9	2,4-Dimethylphenol	1400	U	1400	6540
111-91-1	Bis(2-chloroethoxy)methane	1400	U	1400	6540
120-83-2	2,4-Dichlorophenol	1840	U	1840	6540
91-20-3	Naphthalene	2150	J	1570	6610
106-47-8	4-Chloroaniline	1540	U	1540	6610
91-57-6	2-Methylnaphthalene	1460	J	1420	6610
87-68-3	Hexachlorobutadiene	1420	U	1420	6610
59-50-7	4-Chloro-3-methylphenol	1370	U	1370	6610
77-47-4	Hexachlorocyclopentadiene	980	U	980	16300
88-06-2	2,4,6-Trichlorophenol	1660	U	1660	6540
95-95-4	2,4,5-Trichlorophenol	1810	U	1810	6540
91-58-7	2-Chloronaphthalene	1630	U	1630	6610
88-74-4	2-Nitroaniline	1400	U	1400	6610
208-96-8	Acenaphthylene	2660	J	1350	6610
131-11-3	Dimethylphthalate	1440	U	1440	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	1220	U	1220	6610
83-32-9	Acenaphthene	7220		1200	6610
99-09-2	3-Nitroaniline	1960	U	1960	6540
51-28-5	2,4-Dinitrophenol	5390	U	5390	32800
132-64-9	Dibenzofuran	4670	J	1320	6610
121-14-2	2,4-Dinitrotoluene	1200	U	1200	6610
100-02-7	4-Nitrophenol	1300	U	1300	16300
86-73-7	Fluorene	10300		1250	6610
7005-72-3	4-Chlorophenyl-phenylether	1250	U	1250	6610
84-66-2	Diethylphthalate	1250	U	1250	6610
100-01-6	4-Nitroaniline	2160	U	2160	6540
534-52-1	4,6-Dinitro-2-methylphenol	6510	U	6510	6610
86-30-6	N-Nitrosodiphenylamine	1540	U	1540	6540
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	6610
118-74-1	Hexachlorobenzene	1300	U	1300	6540
87-86-5	Pentachlorophenol	3260	U	3260	6610
85-01-8	Phenanthrene	40900		1370	6610
120-12-7	Anthracene	28200		1470	6610
84-74-2	Di-n-butylphthalate	1080	U	1080	6610
206-44-0	Fluoranthene	44700		1180	6610
129-00-0	Pyrene	32800		2250	6610
85-68-7	Butylbenzylphthalate	1540	U	1540	6610
91-94-1	3,3'-Dichlorobenzidine	1440	U	1440	6610
56-55-3	Benzo(a)anthracene	22100		1400	6610
218-01-9	Chrysene	23700		833	6540
117-81-7	Bis(2-ethylhexyl)phthalate	2030	U	2030	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	1420	U	1420	6610
205-99-2	Benzo(b)fluoranthene	20500		1540	6610
207-08-9	Benzo(k)fluoranthene	7620		1400	6610
50-32-8	Benzo(a)pyrene	13400		1050	6610
193-39-5	Indeno(1,2,3-cd)pyrene	5080	J	1270	6610
53-70-3	Dibenzo(a,h)anthracene	2160	J	1000	6610
191-24-2	Benzo(g,h,i)perylene	5270	J	980	6610
98-86-2	Acetophenone	2450	U	2450	6610
95-94-3	1,2,4,5-Tetrachlorobenzene	1150	U	1150	6610
86-74-8	Carbazole	6000	J	1320	6610
105-60-2	Caprolactam	3430	U	3430	6610
92-52-4	1,1'-Biphenyl	1490	U	1490	6610
1912-24-9	Atrazine	1930	U	1930	6610
100-52-7	Benzaldehyde	1100	U	1100	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	144	U	144	581
108-95-2	Phenol	140	U	140	2870
95-57-8	2-Chlorophenol	148	U	148	581
108-60-1	2,2'-Oxybis(1-chloropropane)	473	U	473	581
95-48-7	2-Methylphenol	206	U	206	574
67-72-1	Hexachloroethane	108	U	108	581
621-64-7	N-Nitroso-di-n-propylamine	131	U	131	581
106-44-5	4-Methylphenol	127	U	127	581
98-95-3	Nitrobenzene	129	U	129	581
78-59-1	Isophorone	127	U	127	581
88-75-5	2-Nitrophenol	155	U	155	581
105-67-9	2,4-Dimethylphenol	123	U	123	574
111-91-1	Bis(2-chloroethoxy)methane	123	U	123	574
120-83-2	2,4-Dichlorophenol	161	U	161	574
91-20-3	Naphthalene	301	J	138	581
106-47-8	4-Chloroaniline	136	U	136	581
91-57-6	2-Methylnaphthalene	125	U	125	581
87-68-3	Hexachlorobutadiene	125	U	125	581
59-50-7	4-Chloro-3-methylphenol	120	U	120	581
77-47-4	Hexachlorocyclopentadiene	86.1	U	86.1	1440
88-06-2	2,4,6-Trichlorophenol	146	U	146	574
95-95-4	2,4,5-Trichlorophenol	159	U	159	574
91-58-7	2-Chloronaphthalene	144	U	144	581
88-74-4	2-Nitroaniline	123	U	123	581
208-96-8	Acenaphthylene	671		118	581
131-11-3	Dimethylphthalate	127	U	127	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	108	U	108	581
83-32-9	Acenaphthene	185	J	105	581
99-09-2	3-Nitroaniline	172	U	172	574
51-28-5	2,4-Dinitrophenol	473	U	473	2880
132-64-9	Dibenzofuran	128	J	116	581
121-14-2	2,4-Dinitrotoluene	105	U	105	581
100-02-7	4-Nitrophenol	114	U	114	1440
86-73-7	Fluorene	352	J	110	581
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	581
84-66-2	Diethylphthalate	110	U	110	581
100-01-6	4-Nitroaniline	189	U	189	574
534-52-1	4,6-Dinitro-2-methylphenol	572	U	572	581
86-30-6	N-Nitrosodiphenylamine	136	U	136	574
101-55-3	4-Bromophenyl-phenylether	105	U	105	581
118-74-1	Hexachlorobenzene	114	U	114	574
87-86-5	Pentachlorophenol	286	U	286	581
85-01-8	Phenanthrene	1930		120	581
120-12-7	Anthracene	1360		129	581
84-74-2	Di-n-butylphthalate	94.7	U	94.7	581
206-44-0	Fluoranthene	7610		103	581
129-00-0	Pyrene	5660		198	581
85-68-7	Butylbenzylphthalate	136	U	136	581
91-94-1	3,3'-Dichlorobenzidine	127	U	127	581
56-55-3	Benzo(a)anthracene	4580		123	581
218-01-9	Chrysene	4620		73.2	574
117-81-7	Bis(2-ethylhexyl)phthalate	179	U	179	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	125	U	125	581
205-99-2	Benzo(b)fluoranthene	4860		136	581
207-08-9	Benzo(k)fluoranthene	2450		123	581
50-32-8	Benzo(a)pyrene	3370		92.5	581
193-39-5	Indeno(1,2,3-cd)pyrene	1310		112	581
53-70-3	Dibenzo(a,h)anthracene	557	J	88.2	581
191-24-2	Benzo(g,h,i)perylene	1300		86.1	581
98-86-2	Acetophenone	215	U	215	581
95-94-3	1,2,4,5-Tetrachlorobenzene	101	U	101	581
86-74-8	Carbazole	239	J	116	581
105-60-2	Caprolactam	301	U	301	581
92-52-4	1,1'-Biphenyl	131	U	131	581
1912-24-9	Atrazine	170	U	170	581
100-52-7	Benzaldehyde	96.8	U	96.8	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	85.7	U	85.7	345
108-95-2	Phenol	83.1	U	83.1	1700
95-57-8	2-Chlorophenol	88.2	U	88.2	345
108-60-1	2,2'-Oxybis(1-chloropropane)	281	U	281	345
95-48-7	2-Methylphenol	123	U	123	341
67-72-1	Hexachloroethane	63.9	U	63.9	345
621-64-7	N-Nitroso-di-n-propylamine	78	U	78	345
106-44-5	4-Methylphenol	75.4	U	75.4	345
98-95-3	Nitrobenzene	76.7	U	76.7	345
78-59-1	Isophorone	75.4	U	75.4	345
88-75-5	2-Nitrophenol	92	U	92	345
105-67-9	2,4-Dimethylphenol	72.9	U	72.9	341
111-91-1	Bis(2-chloroethoxy)methane	72.9	U	72.9	341
120-83-2	2,4-Dichlorophenol	95.9	U	95.9	341
91-20-3	Naphthalene	95.3	J	81.8	345
106-47-8	4-Chloroaniline	80.6	U	80.6	345
91-57-6	2-Methylnaphthalene	74.2	U	74.2	345
87-68-3	Hexachlorobutadiene	74.2	U	74.2	345
59-50-7	4-Chloro-3-methylphenol	71.6	U	71.6	345
77-47-4	Hexachlorocyclopentadiene	51.1	U	51.1	853
88-06-2	2,4,6-Trichlorophenol	86.9	U	86.9	341
95-95-4	2,4,5-Trichlorophenol	94.6	U	94.6	341
91-58-7	2-Chloronaphthalene	85.3	U	85.3	345
88-74-4	2-Nitroaniline	72.9	U	72.9	345
208-96-8	Acenaphthylene	161	J	70.3	345
131-11-3	Dimethylphthalate	75.4	U	75.4	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	63.9	U	63.9	345
83-32-9	Acenaphthene	62.6	U	62.6	345
99-09-2	3-Nitroaniline	102	U	102	341
51-28-5	2,4-Dinitrophenol	281	U	281	1710
132-64-9	Dibenzofuran	69	U	69	345
121-14-2	2,4-Dinitrotoluene	62.6	U	62.6	345
100-02-7	4-Nitrophenol	67.8	U	67.8	853
86-73-7	Fluorene	107	J	65.2	345
7005-72-3	4-Chlorophenyl-phenylether	65.2	U	65.2	345
84-66-2	Diethylphthalate	65.2	U	65.2	345
100-01-6	4-Nitroaniline	112	U	112	341
534-52-1	4,6-Dinitro-2-methylphenol	340	U	340	345
86-30-6	N-Nitrosodiphenylamine	80.6	U	80.6	341
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	345
118-74-1	Hexachlorobenzene	67.8	U	67.8	341
87-86-5	Pentachlorophenol	170	U	170	345
85-01-8	Phenanthrene	1240		71.6	345
120-12-7	Anthracene	328	J	76.7	345
84-74-2	Di-n-butylphthalate	56.2	U	56.2	345
206-44-0	Fluoranthene	2370		61.4	345
129-00-0	Pyrene	1920		118	345
85-68-7	Butylbenzylphthalate	80.6	U	80.6	345
91-94-1	3,3'-Dichlorobenzidine	75.4	U	75.4	345
56-55-3	Benzo(a)anthracene	986		72.9	345
218-01-9	Chrysene	1000		43.5	341
117-81-7	Bis(2-ethylhexyl)phthalate	106	U	106	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	74.2	U	74.2	345
205-99-2	Benzo(b)fluoranthene	1130		80.6	345
207-08-9	Benzo(k)fluoranthene	478		72.9	345
50-32-8	Benzo(a)pyrene	759		55	345
193-39-5	Indeno(1,2,3-cd)pyrene	386		66.5	345
53-70-3	Dibenzo(a,h)anthracene	120	J	52.4	345
191-24-2	Benzo(g,h,i)perylene	467		51.1	345
98-86-2	Acetophenone	128	U	128	345
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	345
86-74-8	Carbazole	69	U	69	345
105-60-2	Caprolactam	179	U	179	345
92-52-4	1,1'-Biphenyl	78	U	78	345
1912-24-9	Atrazine	101	U	101	345
100-52-7	Benzaldehyde	57.5	U	57.5	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	47100	U	47100	190000
108-95-2	Phenol	45700	U	45700	938000
95-57-8	2-Chlorophenol	48500	U	48500	190000
108-60-1	2,2'-Oxybis(1-chloropropane)	155000	U	155000	190000
95-48-7	2-Methylphenol	67500	U	67500	188000
67-72-1	Hexachloroethane	35100	U	35100	190000
621-64-7	N-Nitroso-di-n-propylamine	42900	U	42900	190000
106-44-5	4-Methylphenol	41500	U	41500	190000
98-95-3	Nitrobenzene	42200	U	42200	190000
78-59-1	Isophorone	41500	U	41500	190000
88-75-5	2-Nitrophenol	50600	U	50600	190000
105-67-9	2,4-Dimethylphenol	40100	U	40100	188000
111-91-1	Bis(2-chloroethoxy)methane	40100	U	40100	188000
120-83-2	2,4-Dichlorophenol	52700	U	52700	188000
91-20-3	Naphthalene	7310000	E	45000	190000
106-47-8	4-Chloroaniline	44300	U	44300	190000
91-57-6	2-Methylnaphthalene	2180000		40800	190000
87-68-3	Hexachlorobutadiene	40800	U	40800	190000
59-50-7	4-Chloro-3-methylphenol	39400	U	39400	190000
77-47-4	Hexachlorocyclopentadiene	28100	U	28100	469000
88-06-2	2,4,6-Trichlorophenol	47800	U	47800	188000
95-95-4	2,4,5-Trichlorophenol	52000	U	52000	188000
91-58-7	2-Chloronaphthalene	46900	U	46900	190000
88-74-4	2-Nitroaniline	40100	U	40100	190000
208-96-8	Acenaphthylene	309000		38600	190000
131-11-3	Dimethylphthalate	41500	U	41500	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	35100	U	35100	190000
83-32-9	Acenaphthene	2320000		34400	190000
99-09-2	3-Nitroaniline	56200	U	56200	188000
51-28-5	2,4-Dinitrophenol	155000	U	155000	942000
132-64-9	Dibenzofuran	1610000		38000	190000
121-14-2	2,4-Dinitrotoluene	34400	U	34400	190000
100-02-7	4-Nitrophenol	37200	U	37200	469000
86-73-7	Fluorene	2610000		35800	190000
7005-72-3	4-Chlorophenyl-phenylether	35800	U	35800	190000
84-66-2	Diethylphthalate	35800	U	35800	190000
100-01-6	4-Nitroaniline	61800	U	61800	188000
534-52-1	4,6-Dinitro-2-methylphenol	187000	U	187000	190000
86-30-6	N-Nitrosodiphenylamine	44300	U	44300	188000
101-55-3	4-Bromophenyl-phenylether	34400	U	34400	190000
118-74-1	Hexachlorobenzene	37200	U	37200	188000
87-86-5	Pentachlorophenol	93500	U	93500	190000
85-01-8	Phenanthrene	5960000	E	39400	190000
120-12-7	Anthracene	3680000	E	42200	190000
84-74-2	Di-n-butylphthalate	30900	U	30900	190000
206-44-0	Fluoranthene	4100000	E	33700	190000
129-00-0	Pyrene	2700000		64700	190000
85-68-7	Butylbenzylphthalate	44300	U	44300	190000
91-94-1	3,3'-Dichlorobenzidine	41500	U	41500	190000
56-55-3	Benzo(a)anthracene	1740000		40100	190000
218-01-9	Chrysene	1920000		23900	188000
117-81-7	Bis(2-ethylhexyl)phthalate	58300	U	58300	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	40800	U	40800	190000
205-99-2	Benzo(b)fluoranthene	1470000		44300	190000
207-08-9	Benzo(k)fluoranthene	777000		40100	190000
50-32-8	Benzo(a)pyrene	1050000		30200	190000
193-39-5	Indeno(1,2,3-cd)pyrene	367000		36600	190000
53-70-3	Dibenzo(a,h)anthracene	168000	J	28800	190000
191-24-2	Benzo(g,h,i)perylene	369000		28100	190000
98-86-2	Acetophenone	70300	U	70300	190000
95-94-3	1,2,4,5-Tetrachlorobenzene	33000	U	33000	190000
86-74-8	Carbazole	1640000		38000	190000
105-60-2	Caprolactam	98400	U	98400	190000
92-52-4	1,1'-Biphenyl	317000		42900	190000
1912-24-9	Atrazine	55500	U	55500	190000
100-52-7	Benzaldehyde	31600	U	31600	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	235000	U	235000	949000
108-95-2	Phenol	228000	U	228000	4690000
95-57-8	2-Chlorophenol	242000	U	242000	949000
108-60-1	2,2'-Oxybis(1-chloropropane)	773000	U	773000	949000
95-48-7	2-Methylphenol	337000	U	337000	938000
67-72-1	Hexachloroethane	176000	U	176000	949000
621-64-7	N-Nitroso-di-n-propylamine	214000	U	214000	949000
106-44-5	4-Methylphenol	207000	U	207000	949000
98-95-3	Nitrobenzene	211000	U	211000	949000
78-59-1	Isophorone	207000	U	207000	949000
88-75-5	2-Nitrophenol	253000	U	253000	949000
105-67-9	2,4-Dimethylphenol	200000	U	200000	938000
111-91-1	Bis(2-chloroethoxy)methane	200000	U	200000	938000
120-83-2	2,4-Dichlorophenol	264000	U	264000	938000
91-20-3	Naphthalene	11900000		225000	949000
106-47-8	4-Chloroaniline	221000	U	221000	949000
91-57-6	2-Methylnaphthalene	2950000		204000	949000
87-68-3	Hexachlorobutadiene	204000	U	204000	949000
59-50-7	4-Chloro-3-methylphenol	197000	U	197000	949000
77-47-4	Hexachlorocyclopentadiene	140000	U	140000	2340000
88-06-2	2,4,6-Trichlorophenol	239000	U	239000	938000
95-95-4	2,4,5-Trichlorophenol	260000	U	260000	938000
91-58-7	2-Chloronaphthalene	234000	U	234000	949000
88-74-4	2-Nitroaniline	200000	U	200000	949000
208-96-8	Acenaphthylene	193000	U	193000	949000
131-11-3	Dimethylphthalate	207000	U	207000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	176000	U	176000	949000
83-32-9	Acenaphthene	3020000		172000	949000
99-09-2	3-Nitroaniline	281000	U	281000	938000
51-28-5	2,4-Dinitrophenol	773000	U	773000	4710000
132-64-9	Dibenzofuran	2180000		190000	949000
121-14-2	2,4-Dinitrotoluene	172000	U	172000	949000
100-02-7	4-Nitrophenol	186000	U	186000	2340000
86-73-7	Fluorene	3380000		179000	949000
7005-72-3	4-Chlorophenyl-phenylether	179000	U	179000	949000
84-66-2	Diethylphthalate	179000	U	179000	949000
100-01-6	4-Nitroaniline	309000	U	309000	938000
534-52-1	4,6-Dinitro-2-methylphenol	935000	U	935000	949000
86-30-6	N-Nitrosodiphenylamine	221000	U	221000	938000
101-55-3	4-Bromophenyl-phenylether	172000	U	172000	949000
118-74-1	Hexachlorobenzene	186000	U	186000	938000
87-86-5	Pentachlorophenol	467000	U	467000	949000
85-01-8	Phenanthrene	10200000		197000	949000
120-12-7	Anthracene	5220000		211000	949000
84-74-2	Di-n-butylphthalate	155000	U	155000	949000
206-44-0	Fluoranthene	6260000		169000	949000
129-00-0	Pyrene	4180000		323000	949000
85-68-7	Butylbenzylphthalate	221000	U	221000	949000
91-94-1	3,3'-Dichlorobenzidine	207000	U	207000	949000
56-55-3	Benzo(a)anthracene	2670000		200000	949000
218-01-9	Chrysene	3100000		119000	938000
117-81-7	Bis(2-ethylhexyl)phthalate	292000	U	292000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	204000	U	204000	949000
205-99-2	Benzo(b)fluoranthene	2050000		221000	949000
207-08-9	Benzo(k)fluoranthene	948000	J	200000	949000
50-32-8	Benzo(a)pyrene	1460000		151000	949000
193-39-5	Indeno(1,2,3-cd)pyrene	578000	J	183000	949000
53-70-3	Dibenzo(a,h)anthracene	269000	J	144000	949000
191-24-2	Benzo(g,h,i)perylene	575000	J	140000	949000
98-86-2	Acetophenone	351000	U	351000	949000
95-94-3	1,2,4,5-Tetrachlorobenzene	165000	U	165000	949000
86-74-8	Carbazole	2280000		190000	949000
105-60-2	Caprolactam	492000	U	492000	949000
92-52-4	1,1'-Biphenyl	450000	J	214000	949000
1912-24-9	Atrazine	278000	U	278000	949000
100-52-7	Benzaldehyde	158000	U	158000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	54100	U	54100	218000
108-95-2	Phenol	52500	U	52500	1080000
95-57-8	2-Chlorophenol	55700	U	55700	218000
108-60-1	2,2'-Oxybis(1-chloropropane)	178000	U	178000	218000
95-48-7	2-Methylphenol	77500	U	77500	216000
67-72-1	Hexachloroethane	40400	U	40400	218000
621-64-7	N-Nitroso-di-n-propylamine	49300	U	49300	218000
106-44-5	4-Methylphenol	47600	U	47600	218000
98-95-3	Nitrobenzene	48400	U	48400	218000
78-59-1	Isophorone	47600	U	47600	218000
88-75-5	2-Nitrophenol	58100	U	58100	218000
105-67-9	2,4-Dimethylphenol	46000	U	46000	216000
111-91-1	Bis(2-chloroethoxy)methane	46000	U	46000	216000
120-83-2	2,4-Dichlorophenol	60600	U	60600	216000
91-20-3	Naphthalene	7120000	E	51700	218000
106-47-8	4-Chloroaniline	50900	U	50900	218000
91-57-6	2-Methylnaphthalene	2040000		46800	218000
87-68-3	Hexachlorobutadiene	46800	U	46800	218000
59-50-7	4-Chloro-3-methylphenol	45200	U	45200	218000
77-47-4	Hexachlorocyclopentadiene	32300	U	32300	539000
88-06-2	2,4,6-Trichlorophenol	54900	U	54900	216000
95-95-4	2,4,5-Trichlorophenol	59800	U	59800	216000
91-58-7	2-Chloronaphthalene	53900	U	53900	218000
88-74-4	2-Nitroaniline	46000	U	46000	218000
208-96-8	Acenaphthylene	364000		44400	218000
131-11-3	Dimethylphthalate	47600	U	47600	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	40400	U	40400	218000
83-32-9	Acenaphthene	2480000		39600	218000
99-09-2	3-Nitroaniline	64600	U	64600	216000
51-28-5	2,4-Dinitrophenol	178000	U	178000	1080000
132-64-9	Dibenzofuran	1630000		43600	218000
121-14-2	2,4-Dinitrotoluene	39600	U	39600	218000
100-02-7	4-Nitrophenol	42800	U	42800	539000
86-73-7	Fluorene	2690000		41200	218000
7005-72-3	4-Chlorophenyl-phenylether	41200	U	41200	218000
84-66-2	Diethylphthalate	41200	U	41200	218000
100-01-6	4-Nitroaniline	71100	U	71100	216000
534-52-1	4,6-Dinitro-2-methylphenol	215000	U	215000	218000
86-30-6	N-Nitrosodiphenylamine	50900	U	50900	216000
101-55-3	4-Bromophenyl-phenylether	39600	U	39600	218000
118-74-1	Hexachlorobenzene	42800	U	42800	216000
87-86-5	Pentachlorophenol	107000	U	107000	218000
85-01-8	Phenanthrene	6610000	E	45200	218000
120-12-7	Anthracene	3200000		48400	218000
84-74-2	Di-n-butylphthalate	35500	U	35500	218000
206-44-0	Fluoranthene	4570000	E	38800	218000
129-00-0	Pyrene	3030000		74300	218000
85-68-7	Butylbenzylphthalate	50900	U	50900	218000
91-94-1	3,3'-Dichlorobenzidine	47600	U	47600	218000
56-55-3	Benzo(a)anthracene	1950000		46000	218000
218-01-9	Chrysene	1970000		27400	216000
117-81-7	Bis(2-ethylhexyl)phthalate	67000	U	67000	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	46800	U	46800	218000
205-99-2	Benzo(b)fluoranthene	1800000		50900	218000
207-08-9	Benzo(k)fluoranthene	794000		46000	218000
50-32-8	Benzo(a)pyrene	1230000		34700	218000
193-39-5	Indeno(1,2,3-cd)pyrene	410000		42000	218000
53-70-3	Dibenzo(a,h)anthracene	189000	J	33100	218000
191-24-2	Benzo(g,h,i)perylene	418000		32300	218000
98-86-2	Acetophenone	80800	U	80800	218000
95-94-3	1,2,4,5-Tetrachlorobenzene	38000	U	38000	218000
86-74-8	Carbazole	1370000		43600	218000
105-60-2	Caprolactam	113000	U	113000	218000
92-52-4	1,1'-Biphenyl	330000		49300	218000
1912-24-9	Atrazine	63800	U	63800	218000
100-52-7	Benzaldehyde	36300	U	36300	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	270000	U	270000	1090000
108-95-2	Phenol	262000	U	262000	5390000
95-57-8	2-Chlorophenol	279000	U	279000	1090000
108-60-1	2,2'-Oxybis(1-chloropropane)	888000	U	888000	1090000
95-48-7	2-Methylphenol	388000	U	388000	1080000
67-72-1	Hexachloroethane	202000	U	202000	1090000
621-64-7	N-Nitroso-di-n-propylamine	246000	U	246000	1090000
106-44-5	4-Methylphenol	238000	U	238000	1090000
98-95-3	Nitrobenzene	242000	U	242000	1090000
78-59-1	Isophorone	238000	U	238000	1090000
88-75-5	2-Nitrophenol	291000	U	291000	1090000
105-67-9	2,4-Dimethylphenol	230000	U	230000	1080000
111-91-1	Bis(2-chloroethoxy)methane	230000	U	230000	1080000
120-83-2	2,4-Dichlorophenol	303000	U	303000	1080000
91-20-3	Naphthalene	11700000		258000	1090000
106-47-8	4-Chloroaniline	254000	U	254000	1090000
91-57-6	2-Methylnaphthalene	2950000		234000	1090000
87-68-3	Hexachlorobutadiene	234000	U	234000	1090000
59-50-7	4-Chloro-3-methylphenol	226000	U	226000	1090000
77-47-4	Hexachlorocyclopentadiene	162000	U	162000	2690000
88-06-2	2,4,6-Trichlorophenol	274000	U	274000	1080000
95-95-4	2,4,5-Trichlorophenol	299000	U	299000	1080000
91-58-7	2-Chloronaphthalene	269000	U	269000	1090000
88-74-4	2-Nitroaniline	230000	U	230000	1090000
208-96-8	Acenaphthylene	558000	J	222000	1090000
131-11-3	Dimethylphthalate	238000	U	238000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	202000	U	202000	1090000
83-32-9	Acenaphthene	3240000		198000	1090000
99-09-2	3-Nitroaniline	323000	U	323000	1080000
51-28-5	2,4-Dinitrophenol	888000	U	888000	5410000
132-64-9	Dibenzofuran	2380000		218000	1090000
121-14-2	2,4-Dinitrotoluene	198000	U	198000	1090000
100-02-7	4-Nitrophenol	214000	U	214000	2690000
86-73-7	Fluorene	3680000		206000	1090000
7005-72-3	4-Chlorophenyl-phenylether	206000	U	206000	1090000
84-66-2	Diethylphthalate	206000	U	206000	1090000
100-01-6	4-Nitroaniline	355000	U	355000	1080000
534-52-1	4,6-Dinitro-2-methylphenol	1070000	U	1070000	1090000
86-30-6	N-Nitrosodiphenylamine	254000	U	254000	1080000
101-55-3	4-Bromophenyl-phenylether	198000	U	198000	1090000
118-74-1	Hexachlorobenzene	214000	U	214000	1080000
87-86-5	Pentachlorophenol	537000	U	537000	1090000
85-01-8	Phenanthrene	11600000		226000	1090000
120-12-7	Anthracene	4750000		242000	1090000
84-74-2	Di-n-butylphthalate	178000	U	178000	1090000
206-44-0	Fluoranthene	7300000		194000	1090000
129-00-0	Pyrene	4950000		371000	1090000
85-68-7	Butylbenzylphthalate	254000	U	254000	1090000
91-94-1	3,3'-Dichlorobenzidine	238000	U	238000	1090000
56-55-3	Benzo(a)anthracene	3210000		230000	1090000
218-01-9	Chrysene	3190000		137000	1080000
117-81-7	Bis(2-ethylhexyl)phthalate	335000	U	335000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	234000	U	234000	1090000
205-99-2	Benzo(b)fluoranthene	2520000		254000	1090000
207-08-9	Benzo(k)fluoranthene	1200000		230000	1090000
50-32-8	Benzo(a)pyrene	1770000		174000	1090000
193-39-5	Indeno(1,2,3-cd)pyrene	609000	J	210000	1090000
53-70-3	Dibenzo(a,h)anthracene	297000	J	166000	1090000
191-24-2	Benzo(g,h,i)perylene	618000	J	162000	1090000
98-86-2	Acetophenone	404000	U	404000	1090000
95-94-3	1,2,4,5-Tetrachlorobenzene	190000	U	190000	1090000
86-74-8	Carbazole	2070000		218000	1090000
105-60-2	Caprolactam	565000	U	565000	1090000
92-52-4	1,1'-Biphenyl	501000	J	246000	1090000
1912-24-9	Atrazine	319000	U	319000	1090000
100-52-7	Benzaldehyde	182000	U	182000	1090000

DRAFT

8270 QC Summary

090512 1947

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	66.6	U	66.6	268
108-95-2	Phenol	64.6	U	64.6	1330
95-57-8	2-Chlorophenol	68.6	U	68.6	268
108-60-1	2,2'-Oxybis(1-chloropropane)	219	U	219	268
95-48-7	2-Methylphenol	95.5	U	95.5	266
67-72-1	Hexachloroethane	49.7	U	49.7	268
621-64-7	N-Nitroso-di-n-propylamine	60.7	U	60.7	268
106-44-5	4-Methylphenol	58.7	U	58.7	268
98-95-3	Nitrobenzene	59.7	U	59.7	268
78-59-1	Isophorone	58.7	U	58.7	268
88-75-5	2-Nitrophenol	71.6	U	71.6	268
105-67-9	2,4-Dimethylphenol	56.7	U	56.7	266
111-91-1	Bis(2-chloroethoxy)methane	56.7	U	56.7	266
120-83-2	2,4-Dichlorophenol	74.6	U	74.6	266
91-20-3	Naphthalene	63.6	U	63.6	268
106-47-8	4-Chloroaniline	62.6	U	62.6	268
91-57-6	2-Methylnaphthalene	57.7	U	57.7	268
87-68-3	Hexachlorobutadiene	57.7	U	57.7	268
59-50-7	4-Chloro-3-methylphenol	55.7	U	55.7	268
77-47-4	Hexachlorocyclopentadiene	39.8	U	39.8	663
88-06-2	2,4,6-Trichlorophenol	67.6	U	67.6	266
95-95-4	2,4,5-Trichlorophenol	73.6	U	73.6	266
91-58-7	2-Chloronaphthalene	66.3	U	66.3	268
88-74-4	2-Nitroaniline	56.7	U	56.7	268
208-96-8	Acenaphthylene	54.7	U	54.7	268
131-11-3	Dimethylphthalate	58.7	U	58.7	268
606-20-2	2,6-Dinitrotoluene	49.7	U	49.7	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
83-32-9	Acenaphthene	48.7	U	48.7	268
99-09-2	3-Nitroaniline	79.6	U	79.6	266
51-28-5	2,4-Dinitrophenol	219	U	219	1330
132-64-9	Dibenzofuran	53.7	U	53.7	268
121-14-2	2,4-Dinitrotoluene	48.7	U	48.7	268
100-02-7	4-Nitrophenol	52.7	U	52.7	663
86-73-7	Fluorene	50.7	U	50.7	268
7005-72-3	4-Chlorophenyl-phenylether	50.7	U	50.7	268
84-66-2	Diethylphthalate	50.7	U	50.7	268
100-01-6	4-Nitroaniline	87.5	U	87.5	266
534-52-1	4,6-Dinitro-2-methylphenol	264	U	264	268
86-30-6	N-Nitrosodiphenylamine	62.6	U	62.6	266
101-55-3	4-Bromophenyl-phenylether	48.7	U	48.7	268
118-74-1	Hexachlorobenzene	52.7	U	52.7	266
87-86-5	Pentachlorophenol	132	U	132	268
85-01-8	Phenanthrene	55.7	U	55.7	268
120-12-7	Anthracene	59.7	U	59.7	268
84-74-2	Di-n-butylphthalate	43.8	U	43.8	268
206-44-0	Fluoranthene	47.7	U	47.7	268
129-00-0	Pyrene	91.5	U	91.5	268
85-68-7	Butylbenzylphthalate	62.6	U	62.6	268
91-94-1	3,3'-Dichlorobenzidine	58.7	U	58.7	268
56-55-3	Benzo(a)anthracene	56.7	U	56.7	268
218-01-9	Chrysene	33.8	U	33.8	266
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	82.5	268
117-84-0	Di-n-octylphthalate	57.7	U	57.7	268
205-99-2	Benzo(b)fluoranthene	62.6	U	62.6	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
207-08-9	Benzo(k)fluoranthene	56.7	U	56.7	268
50-32-8	Benzo(a)pyrene	42.8	U	42.8	268
193-39-5	Indeno(1,2,3-cd)pyrene	51.7	U	51.7	268
53-70-3	Dibenzo(a,h)anthracene	40.8	U	40.8	268
191-24-2	Benzo(g,h,i)perylene	39.8	U	39.8	268
98-86-2	Acetophenone	99.4	U	99.4	268
95-94-3	1,2,4,5-Tetrachlorobenzene	46.7	U	46.7	268
86-74-8	Carbazole	53.7	U	53.7	268
105-60-2	Caprolactam	139	U	139	268
92-52-4	1,1'-Biphenyl	60.7	U	60.7	268
1912-24-9	Atrazine	78.6	U	78.6	268
100-52-7	Benzaldehyde	44.8	U	44.8	268

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127239MB	77.9	82.7	83.5	77.9	104.0	105.0	0
127240LCS	94.3	98.0	94.3	92.6	112.0	96.7	0
EPAFMC-SD-01	45.0	49.6	52.5	51.4	56.9	68.7	0
EPAFMC-SD-01MS	69.2	69.9	72.4	70.6	72.0	80.8	0
EPAFMC-SD-01SD	57.0	57.5	61.3	55.7	56.1	58.9	0
EPAFMC-SD-02	44.1	48.8	52.2	50.6	59.0	58.4	0
EPAFMC-SD-02DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-03	44.8	47.2	46.1	43.5	52.8	46.1	0
EPAFMC-SD-04	47.4	56.0	52.8	44.4	67.9	72.2	0
EPAFMC-SD-05	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-05DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0

Control Limits

S1	= 2-Fluorophenol	25 -	121
S2	= Phenol-d5	24 -	113
S3	= Nitrobenzene-d5	23 -	120
S4	= 2-Fluorobiphenyl	30 -	115
S5	= 2,4,6-Tribromophenol	19 -	122
S6	= p-Terphenyl-d14	18 -	137

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	1950	2020	104.0			58 - 124
Phenol	1950	1750	89.7			39 - 127
2-Chlorophenol	1950	1760	90.3			42 - 113
2,2'-Oxybis(1-chloropropane)	1950	1760	90.3			42 - 139
2-Methylphenol	1950	1670	85.6			55 - 112
Hexachloroethane	1950	1680	86.2			51 - 120
N-Nitroso-di-n-propylamine	1950	2300	118.0			58 - 121
4-Methylphenol	1950	2230	114.0			48 - 127
Nitrobenzene	1950	1700	87.2			56 - 114
Isophorone	1950	2240	115.0			75 - 135
2-Nitrophenol	1950	1830	93.8			50 - 110
2,4-Dimethylphenol	1950	1870	95.9			43 - 125
Bis(2-chloroethoxy)methane	1950	1920	98.5			67 - 117
2,4-Dichlorophenol	1950	1730	88.7			50 - 120
Naphthalene	1950	1830	93.8			54 - 123
4-Chloroaniline	1950	1840	94.4			15 - 110
2-Methylnaphthalene	1950	1820	93.3			63 - 118
Hexachlorobutadiene	1950	1910	97.9			64 - 114
4-Chloro-3-methylphenol	1950	1880	96.4			48 - 114
Hexachlorocyclopentadiene	1950	1580	81.0			33 - 113
2,4,6-Trichlorophenol	1950	1800	92.3			49 - 120
2,4,5-Trichlorophenol	1950	1800	92.3			69 - 110
2-Chloronaphthalene	1950	1740	89.2			67 - 120
2-Nitroaniline	1950	2060	106.0			52 - 133
Acenaphthylene	1950	1800	92.3			57 - 123
Dimethylphthalate	1950	1880	96.4			72 - 116
2,6-Dinitrotoluene	1950	1800	92.3			63 - 120
Acenaphthene	1950	1720	88.2			61 - 112
3-Nitroaniline	1950	1840	94.4			62 - 119
2,4-Dinitrophenol	3900	2890	74.1			15 - 150
Dibenzofuran	1950	1800	92.3			64 - 120
2,4-Dinitrotoluene	1950	1860	95.4			64 - 113

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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090512 1947

Form III

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	1950	2140	110.0			10 - 162
Fluorene	1950	1870	95.9			57 - 118
4-Chlorophenyl-phenylether	1950	1840	94.4			69 - 120
Diethylphthalate	1950	1970	101.0			63 - 126
4-Nitroaniline	1950	2110	108.0			61 - 123
4,6-Dinitro-2-methylphenol	1950	1500	76.9			31 - 120
N-Nitrosodiphenylamine	1950	1770	90.8			72 - 122
4-Bromophenyl-phenylether	1950	1770	90.8			72 - 111
Hexachlorobenzene	1950	1640	84.1			66 - 110
Pentachlorophenol	1950	2160	111.0			25 - 138
Phenanthrene	1950	1760	90.3			61 - 118
Anthracene	1950	1770	90.8			65 - 118
Di-n-butylphthalate	1950	1900	97.4			72 - 122
Fluoranthene	1950	1890	96.9			66 - 119
Pyrene	1950	1820	93.3			62 - 117
Butylbenzylphthalate	1950	2020	104.0			69 - 127
3,3'-Dichlorobenzidine	3900	2980	76.4			20 - 110
Benzo(a)anthracene	1950	1990	102.0			66 - 120
Chrysene	1950	1840	94.4			64 - 113
Bis(2-ethylhexyl)phthalate	1950	2080	107.0			68 - 126
Di-n-octylphthalate	1950	2150	110.0			69 - 131
Benzo(b)fluoranthene	1950	2210	113.0			61 - 114
Benzo(k)fluoranthene	1950	1980	102.0			61 - 121
Benzo(a)pyrene	1950	1900	97.4			66 - 111
Indeno(1,2,3-cd)pyrene	1950	1850	94.9			52 - 120
Dibenzo(a,h)anthracene	1950	1860	95.4			53 - 120
Benzo(g,h,i)perylene	1950	1800	92.3			55 - 122
Acetophenone	3900	3820	97.9			32 - 114
1,2,4,5-Tetrachlorobenzene	1950	1750	89.7			51 - 110
Carbazole	1950	1950	100.0			66 - 125
Caprolactam	1950	1780	91.3			10 - 150
1,1'-Biphenyl	1950	1590	81.5			10 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

090512 1947

Form III

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	1950	1570	80.5			10 - 191
Benzaldehyde	1950	1460	74.9			10 - 158

Spike Recovery: 0 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

090512 1947

Form III

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	0	2100	90.8	30 - 126
Phenol	2300	0	1700	76.0	30 - 129
2-Chlorophenol	2300	0	1700	74.2	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	0	1800	76.9	20 - 123
2-Methylphenol	2300	0	1200	52.0	27 - 117
Hexachloroethane	2300	0	1000	45.0	24 - 120
N-Nitroso-di-n-propylamine	2300	0	2000	89.5	22 - 128
4-Methylphenol	2300	0	1200	54.1	30 - 150
Nitrobenzene	2300	0	1800	78.6	14 - 129
Isophorone	2300	0	2300	102.0	35 - 144
2-Nitrophenol	2300	0	1600	71.2	14 - 113
2,4-Dimethylphenol	2300	0	530	23.1*	30 - 110
Bis(2-chloroethoxy)methane	2300	0	1900	81.7	31 - 126
2,4-Dichlorophenol	2300	0	1600	68.1	18 - 115
Naphthalene	2300	0	15000	638.0*	29 - 119
4-Chloroaniline	2300	0	1400	60.7	30 - 143
2-Methylnaphthalene	2300	0	4900	213.0*	33 - 120
Hexachlorobutadiene	2300	0	1800	77.7	32 - 120
4-Chloro-3-methylphenol	2300	0	1800	79.0	30 - 123
Hexachlorocyclopentadiene	2300	0	0	0.0*	10 - 119
2,4,6-Trichlorophenol	2300	0	1900	81.7	14 - 118
2,4,5-Trichlorophenol	2300	0	1700	76.0	29 - 125
2-Chloronaphthalene	2300	0	1800	79.5	31 - 118
2-Nitroaniline	2300	0	2000	88.6	22 - 134
Acenaphthylene	2300	940	3300	105.0	26 - 123
Dimethylphthalate	2300	0	2000	87.8	33 - 127
2,6-Dinitrotoluene	2300	0	1900	84.7	26 - 123
Acenaphthene	2300	930	5500	198.0*	30 - 135
3-Nitroaniline	2300	0	2000	87.8	20 - 125
2,4-Dinitrophenol	4600	0	0	0.0*	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

090512 1947

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Dibenzofuran	2300	0	4700	204.0*	31 - 123
2,4-Dinitrotoluene	2300	0	2000	86.5	17 - 127
4-Nitrophenol	2300	0	1600	67.7	30 - 135
Fluorene	2300	1200	6300	223.0*	25 - 120
4-Chlorophenyl-phenylether	2300	0	1800	76.9	10 - 119
Diethylphthalate	2300	0	2100	90.0	30 - 127
4-Nitroaniline	2300	0	2300	98.7	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0	0.0*	40 - 130
N-Nitrosodiphenylamine	2300	0	1400	61.6	31 - 137
4-Bromophenyl-phenylether	2300	0	1700	75.5	31 - 129
Hexachlorobenzene	2300	0	1700	74.2	30 - 118
Pentachlorophenol	2300	0	1300	57.2	30 - 113
Phenanthrene	2300	6600	18000	490.0*	28 - 121
Anthracene	2300	2900	8900	264.0*	31 - 121
Di-n-butylphthalate	2300	0	2000	85.6	34 - 132
Fluoranthene	2300	14000	22000	349.0*	29 - 125
Pyrene	2300	11000	16000	227.0*	31 - 125
Butylbenzylphthalate	2300	0	2000	86.5	29 - 149
3,3'-Dichlorobenzidine	4600	0	2100	46.4	20 - 110
Benzo(a)anthracene	2300	7400	12000	184.0*	30 - 117
Chrysene	2300	7300	11000	175.0*	32 - 115
Bis(2-ethylhexyl)phthalate	2300	0	3400	150.0*	32 - 138
Di-n-octylphthalate	2300	0	2100	91.7	30 - 150
Benzo(b)fluoranthene	2300	7100	11000	152.0*	23 - 128
Benzo(k)fluoranthene	2300	3000	5700	115.0	31 - 120
Benzo(a)pyrene	2300	4500	8000	152.0*	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2100	3800	75.5	28 - 118
Dibenzo(a,h)anthracene	2300	820	2500	72.1	28 - 118
Benzo(g,h,i)perylene	2300	2200	4000	77.3	28 - 120
Acetophenone	4600	0	3100	68.3	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

090512 1947

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	0	1600	71.2	47 - 110
Carbazole	2300	0	4700	207.0*	34 - 133
Caprolactam	2300	0	2800	123.0	10 - 150
1,1'-Biphenyl	2300	0	2100	91.7	30 - 152
Atrazine	2300	0	1600	70.3	10 - 149
Benzaldehyde	2300	0	1400	59.8	10 - 140

Spike Recovery: 19 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

090512 1947

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	1700	75.2	18.4	30	30 - 126
Phenol	2300	1400	59.6	23.8	30	30 - 129
2-Chlorophenol	2300	1400	60.9	19.4	30	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	1300	58.3	27.1	30	20 - 123
2-Methylphenol	2300	1100	47.0	9.7	30	27 - 117
Hexachloroethane	2300	1000	45.7	1.9	30	24 - 120
N-Nitroso-di-n-propylamine	2300	1700	72.2	21.0	30	22 - 128
4-Methylphenol	2300	990	42.9	22.7	30	30 - 150
Nitrobenzene	2300	1600	67.4	14.9	30	14 - 129
Isophorone	2300	2000	85.7	17.2	30	35 - 144
2-Nitrophenol	2300	1400	63.0	11.7	30	14 - 113
2,4-Dimethylphenol	2300	560	24.4 *	6.1	30	30 - 110
Bis(2-chloroethoxy)methane	2300	1600	68.3	17.4	30	31 - 126
2,4-Dichlorophenol	2300	1300	56.1	18.9	30	18 - 115
Naphthalene	2300	2300	98.3	146.4 *	30	29 - 119
4-Chloroaniline	2300	1200	54.3	10.6	30	30 - 143
2-Methylnaphthalene	2300	1800	77.0	93.5 *	30	33 - 120
Hexachlorobutadiene	2300	1400	60.9	23.9	30	32 - 120
4-Chloro-3-methylphenol	2300	1400	62.2	23.5	30	30 - 123
Hexachlorocyclopentadiene	2300	0	0.0 *		30	10 - 119
2,4,6-Trichlorophenol	2300	1400	61.7	27.4	30	14 - 118
2,4,5-Trichlorophenol	2300	1300	58.3	26.0	30	29 - 125
2-Chloronaphthalene	2300	1400	62.2	24.0	30	31 - 118
2-Nitroaniline	2300	1600	68.7	24.9	30	22 - 134
Acenaphthylene	2300	2300	57.7	38.1 *	30	26 - 123
Dimethylphthalate	2300	1700	73.0	17.9	30	33 - 127
2,6-Dinitrotoluene	2300	1600	67.8	21.7	30	26 - 123
Acenaphthene	2300	2100	49.2	90.3 *	30	30 - 135
3-Nitroaniline	2300	1500	65.2	29.1	30	20 - 125
2,4-Dinitrophenol	4600	0	0.0 *		30	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

090512 1947

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenzofuran	2300	2000	85.2	81.7 *	30	31 - 123
2,4-Dinitrotoluene	2300	1600	68.3	23.1	30	17 - 127
4-Nitrophenol	2300	1200	53.9	22.2	30	30 - 135
Fluorene	2300	2300	46.5	93.4 *	30	25 - 120
4-Chlorophenyl-phenylether	2300	1400	60.4	23.5	30	10 - 119
Diethylphthalate	2300	1700	75.2	17.4	30	30 - 127
4-Nitroaniline	2300	2200	94.3	4.1	30	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0.0*		30	40 - 130
N-Nitrosodiphenylamine	2300	1200	50.4	19.5	30	31 - 137
4-Bromophenyl-phenylether	2300	1400	62.6	18.3	30	31 - 129
Hexachlorobenzene	2300	1400	58.7	23.0	30	30 - 118
Pentachlorophenol	2300	1200	51.7	9.6	30	30 - 113
Phenanthrene	2300	5300	0.0*	108.5 *	30	28 - 121
Anthracene	2300	4700	79.6	62.1 *	30	31 - 121
Di-n-butylphthalate	2300	1500	65.7	25.9	30	34 - 132
Fluoranthene	2300	11000	0.0*	63.0 *	30	29 - 125
Pyrene	2300	8300	0.0*	62.0 *	30	31 - 125
Butylbenzylphthalate	2300	1600	67.8	23.7	30	29 - 149
3,3'-Dichlorobenzidine	4600	1600	35.7	25.5	30	20 - 110
Benzo(a)anthracene	2300	6800	0.0*	52.2 *	30	30 - 117
Chrysene	2300	6200	0.0*	59.0 *	30	32 - 115
Bis(2-ethylhexyl)phthalate	2300	1700	74.3	67.2 *	30	32 - 138
Di-n-octylphthalate	2300	1600	67.4	30.1 *	30	30 - 150
Benzo(b)fluoranthene	2300	6700	0.0*	44.9 *	30	23 - 128
Benzo(k)fluoranthene	2300	3300	11.7*	52.4 *	30	31 - 120
Benzo(a)pyrene	2300	4900	16.5*	47.9 *	30	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2700	29.1	32.4 *	30	28 - 118
Dibenzo(a,h)anthracene	2300	1900	46.2	27.1	30	28 - 118
Benzo(g,h,i)perylene	2300	2800	26.5*	34.0 *	30	28 - 120
Acetophenone	4600	2500	53.6	23.7	30	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

090512 1947

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	1300	56.5	22.5	30	47 - 110
Carbazole	2300	2400	102.0	67.4 *	30	34 - 133
Caprolactam	2300	2500	107.0	13.2	30	10 - 150
1,1'-Biphenyl	2300	1200	53.9	51.5 *	30	30 - 152
Atrazine	2300	1300	57.4	19.8	30	10 - 149
Benzaldehyde	2300	1100	47.0	23.7	30	10 - 140

RPD: 21 out of 66 outside limits

Spike Recovery: 13 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

090512 1947

DRAFT

8082 PCB Organics

090512 1947

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8082 for Aroclor analysis

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8082 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
Please note CCV1074115 was below criteria at 20.3% for one peak used to quantify Aroclor-1016 on column STX-CLP1, however the total for this Aroclor passed criteria at 9.8%, meeting QC requirements.

Please note CCV1074823 was below criteria at 25.1% for one peak used to quantify Aroclor-1016 on column STX-CLP1 and below criteria at 20.6% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for these Aroclors passed criteria, meeting QC requirements.

Please note CCV1074824 was below criteria at 24.8%, 20.4%, and 23.4% for three peaks used to quantify Aroclor-1260 on column STX-CLP2, however the total for this Aroclor passed criteria at 12.5%, meeting QC requirements.

Please note CCV1074826 was below criteria at 24.5% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for this Aroclor passed criteria at 8.1%, meeting QC requirements.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met with the exception of:

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-04 was recovered above criteria for the following surrogate: Decachlorobiphenyl at 164 % with criteria of (33-140). The recovery is due to matrix interference near the elution of the surrogate.

Samples coded accordingly.

D. Spikes:

PCB 1016 and PCB 1260 were used as the spiking solution for all QC spikes.

1. **Laboratory Control Spikes (LCS)**

   All acceptance criteria were met

2. **Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)**

   No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Data was collected using dual column analysis. Results reported from the primary column if the %D between the two columns is >40%, data is coded.

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE:** **05/09/2012**

PCB ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8082

EPA Sample No	Lab Sample ID
EPAFMC-SD-02	350583502
EPAFMC-SD-04	350583504

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DRAFT

8082 Sample Data

090512 1947

PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 835-2R.D

Sample wt/vol: 33.03 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1046

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC02 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	16	U	16	37
11096-82-5	Aroclor-1260	8.7	U	8.7	37
11104-28-2	Aroclor-1221	15	U	15	37
11141-16-5	Aroclor-1232	25	U	25	37
53469-21-9	Aroclor-1242	14	U	14	37
12672-29-6	Aroclor-1248	14	U	14	37
11097-69-1	Aroclor-1254	12	U	12	37

Results reported on Primary Column, if RPD >40% results flagged accordingly.

PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 835-4R.D

Sample wt/vol: 33.04 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1101

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC04 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	21	U	21	48
11096-82-5	Aroclor-1260	11	U	11	48
11104-28-2	Aroclor-1221	19	U	19	48
11141-16-5	Aroclor-1232	32	U	32	48
53469-21-9	Aroclor-1242	18	U	18	48
12672-29-6	Aroclor-1248	18	U	18	48
11097-69-1	Aroclor-1254	15	U	15	48

Results reported on Primary Column, if RPD >40% results flagged accordingly.

DRAFT

8082 QC Summary

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PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127811MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127811MB Lab File ID: 9229MB.D

Sample wt/vol: 33.15 Units: G Date Received: 04/27/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/27/12 Time: 1919

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	13	U	13	30
11096-82-5	Aroclor-1260	7	U	7	30
11104-28-2	Aroclor-1221	12	U	12	30
11141-16-5	Aroclor-1232	20	U	20	30
53469-21-9	Aroclor-1242	11	U	11	30
12672-29-6	Aroclor-1248	11	U	11	30
11097-69-1	Aroclor-1254	9.4	U	9.4	30

Results reported on Primary Column, if RPD >40% results flagged accordingly.

DRAFT

2A

SOIL PCB ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127811MB	83.8						0
127812LCS	81.7						0
EPAFMC-SD-02	74.1						0
EPAFMC-SD-04	164.0 *						1

Control Limits

S1 = Decachlorobiphenyl 33 - 140

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Form II

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PCB ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127812LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	295	207	70.2			43 - 137
Aroclor-1260	295	203	68.8			48 - 154

Spike Recovery: 0 out of 2 outside limits

Results reported on Primary Column, if RPD >40% results flagged accordingly.

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

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Form III

DRAFT

Inorganics

090512 1947

Inorganic Data Qualifiers

DRAFT

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis are reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

DRAFT

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DRAFT

Metals Data Package

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3050B.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met with the exception of:
Blank 127448MB was analyzed with the soil samples on 04/27/12. The following analyte(s) were detected below RL: Antimony at 0.273 mg/Kg, Iron at 2.51 mg/Kg. The hits in the blank are below the RL, therefore, no corrective action was taken.
Samples coded accordingly.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - EPAFMC-SD-01MS was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered below criteria: Zinc at 62.3 % with criteria of (75-125) and the following analyte(s) were recovered above criteria: Aluminum at 130.8 % with criteria of (75-125), Iron at 188.6 % with criteria of (75-125).

MS - EPAFMC-SD-01MSDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 316.6 % with criteria of (75-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Aluminum at 132.3 % with criteria of (75-125), Chromium at 133.7 % with criteria of (75-125), Iron at 181.8 % with criteria of (75-125).

SD - EPAFMC-SD-01SDDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 161.6 % with criteria of (75-125). The most probable cause for the MS/MSD exceeding limits is sample matrix due to the fact that the LCS/LCSD pass all quality control criteria. No further action was taken. Samples coded accordingly.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.
Sample EPAFMC-SD-01 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-02 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-03 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/07/2012**

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Samples were analyzed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 7471A.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 7471A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

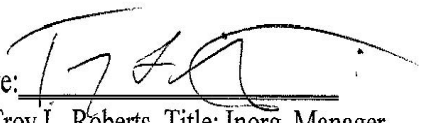
E. Serial Dilution:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: 
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/09/2012**

DRAFT

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

090512 1947

DRAFT

Metals Inorganic Sample Data

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5740		N	P		2.33	12.3
7440-36-0	Antimony	0.715	J		P		0.294	1.23
7440-38-2	Arsenic	10.1			P		0.613	1.23
7440-39-3	Barium	48.2			P		0.196	0.613
7440-41-7	Beryllium	0.503	J		P		0.196	0.613
7440-43-9	Cadmium	0.0613	U		P		0.0613	0.613
7440-70-2	Calcium	14300			P		4.05	12.3
7440-47-3	Chromium	32.6		N	P		0.196	0.613
7440-48-4	Cobalt	7.08			P		0.0613	0.613
7440-50-8	Copper	14			P		0.196	0.613
7439-89-6	Iron	21900		N	P		0.736	6.13
7439-92-1	Lead	18.8			P		0.417	0.981
7439-95-4	Magnesium	3590			P		3.56	12.3
7439-97-6	Mercury	0.067			CV		0.00487	0.0263
7440-02-0	Nickel	9.16			P		0.196	0.613
7440-09-7	Potassium	466			P		6.13	61.3
7782-49-2	Selenium	0.491	U		P		0.491	2.45
7440-22-4	Silver	0.196	U		P		0.196	0.613
7440-23-5	Sodium	98			P		12.3	36.8
7440-28-0	Thallium	0.417	U		P		0.417	1.23
7440-62-2	Vanadium	28.5			P		0.196	0.613

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	147		N	P		0.405	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148- EPAFMC-SD-01DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	633			P		0.392	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5920			P		2.26	11.9
7440-36-0	Antimony	0.828	J		P		0.285	1.19
7440-38-2	Arsenic	14.1			P		0.593	1.19
7440-39-3	Barium	86.8			P		0.19	0.593
7440-41-7	Beryllium	0.711			P		0.19	0.593
7440-43-9	Cadmium	0.0593	U		P		0.0593	0.593
7440-70-2	Calcium	18800			P		3.92	11.9
7440-47-3	Chromium	37.7			P		0.19	0.593
7440-48-4	Cobalt	8.12			P		0.0593	0.593
7440-50-8	Copper	18.1			P		0.19	0.593
7439-89-6	Iron	22600			P		0.712	5.93
7439-92-1	Lead	32.4			P		0.404	0.95
7439-95-4	Magnesium	5130			P		3.44	11.9
7439-97-6	Mercury	0.0564			CV		0.00437	0.0236
7440-02-0	Nickel	14.3			P		0.19	0.593
7440-09-7	Potassium	562			P		5.93	59.3
7782-49-2	Selenium	0.475	U		P		0.475	2.37
7440-22-4	Silver	0.19	U		P		0.19	0.593
7440-23-5	Sodium	104			P		11.9	35.6
7440-28-0	Thallium	0.404	U		P		0.404	1.19
7440-62-2	Vanadium	27.3			P		0.19	0.593

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	180			P		0.392	1.19

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	1580			P		0.95	2.97

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	4400			P		2.17	11.4
7440-36-0	Antimony	0.357	J		P		0.274	1.14
7440-38-2	Arsenic	8.44			P		0.572	1.14
7440-39-3	Barium	48.8			P		0.183	0.572
7440-41-7	Beryllium	0.455	J		P		0.183	0.572
7440-43-9	Cadmium	0.0572	U		P		0.0572	0.572
7440-70-2	Calcium	14000			P		3.78	11.4
7440-47-3	Chromium	28.8			P		0.183	0.572
7440-48-4	Cobalt	5.27			P		0.0572	0.572
7440-50-8	Copper	7.72			P		0.183	0.572
7439-89-6	Iron	17600			P		0.686	5.72
7439-92-1	Lead	18.7			P		0.389	0.915
7439-95-4	Magnesium	4150			P		3.32	11.4
7439-97-6	Mercury	0.042			CV		0.00276	0.0149
7440-02-0	Nickel	7.81			P		0.183	0.572
7440-09-7	Potassium	352			P		5.72	57.2
7782-49-2	Selenium	0.458	U		P		0.458	2.29
7440-22-4	Silver	0.183	U		P		0.183	0.572
7440-23-5	Sodium	98.7			P		11.4	34.3
7440-28-0	Thallium	0.521	J		P		0.389	1.14
7440-62-2	Vanadium	24.6			P		0.183	0.572

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	148			P		0.378	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	605			P		0.366	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	9290			P		2.56	13.5
7440-36-0	Antimony	0.976	J		P		0.324	1.35
7440-38-2	Arsenic	11.9			P		0.674	1.35
7440-39-3	Barium	80.1			P		0.216	0.674
7440-41-7	Beryllium	0.642	J		P		0.216	0.674
7440-43-9	Cadmium	0.0674	U		P		0.0674	0.674
7440-70-2	Calcium	14500			P		4.45	13.5
7440-47-3	Chromium	26.9			P		0.216	0.674
7440-48-4	Cobalt	14.4			P		0.0674	0.674
7440-50-8	Copper	26.2			P		0.216	0.674
7439-89-6	Iron	33100			P		0.809	6.74
7439-92-1	Lead	29.1			P		0.458	1.08
7439-95-4	Magnesium	6040			P		3.91	13.5
7439-97-6	Mercury	0.0747			CV		0.00374	0.0202
7440-02-0	Nickel	18.4			P		0.216	0.674
7440-09-7	Potassium	868			P		6.74	67.4
7782-49-2	Selenium	0.539	U		P		0.539	2.7
7440-22-4	Silver	0.216	U		P		0.216	0.674
7440-23-5	Sodium	59			P		13.5	40.4
7440-28-0	Thallium	0.588	J		P		0.458	1.35
7440-62-2	Vanadium	40.7			P		0.216	0.674

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	162			P		0.445	1.35

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148- EPAFMC-SD-04DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	838			P		1.08	3.37

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	3770			P		1.71	9.02
7440-36-0	Antimony	1			P		0.216	0.902
7440-38-2	Arsenic	6.59			P		0.451	0.902
7440-39-3	Barium	107			P		0.144	0.451
7440-41-7	Beryllium	0.296	J		P		0.144	0.451
7440-43-9	Cadmium	1.67			P		0.0451	0.451
7440-70-2	Calcium	9780			P		2.98	9.02
7440-47-3	Chromium	17.6			P		0.144	0.451
7440-48-4	Cobalt	4.03			P		0.0451	0.451
7440-50-8	Copper	52.3			P		0.144	0.451
7439-89-6	Iron	13300			P		0.541	4.51
7439-92-1	Lead	129			P		0.307	0.721
7439-95-4	Magnesium	2130			P		2.62	9.02
7439-96-5	Manganese	225			P		0.144	0.451
7439-97-6	Mercury	0.442			CV		0.00342	0.0185
7440-02-0	Nickel	11.3			P		0.144	0.451
7440-09-7	Potassium	315			P		4.51	45.1
7782-49-2	Selenium	0.361	U		P		0.361	1.8
7440-22-4	Silver	0.258	J		P		0.144	0.451
7440-23-5	Sodium	61.3			P		9.02	27
7440-28-0	Thallium	0.307	U		P		0.307	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	9.2			P		0.144	0.451
7440-66-6	Zinc	392			P		0.298	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	2700			P		2.14	11.2
7440-36-0	Antimony	1.21			P		0.27	1.12
7440-38-2	Arsenic	10.5			P		0.563	1.12
7440-39-3	Barium	73.2			P		0.18	0.563
7440-41-7	Beryllium	0.256	J		P		0.18	0.563
7440-43-9	Cadmium	2.16			P		0.0563	0.563
7440-70-2	Calcium	9890			P		3.71	11.2
7440-47-3	Chromium	19.7			P		0.18	0.563
7440-48-4	Cobalt	4.18			P		0.0563	0.563
7440-50-8	Copper	62.5			P		0.18	0.563
7439-89-6	Iron	14800			P		0.675	5.63
7439-92-1	Lead	135			P		0.383	0.9
7439-95-4	Magnesium	2240			P		3.26	11.2
7439-96-5	Manganese	350			P		0.18	0.563
7439-97-6	Mercury	0.327			CV		0.00332	0.0179
7440-02-0	Nickel	9.35			P		0.18	0.563
7440-09-7	Potassium	271			P		5.63	56.3
7782-49-2	Selenium	0.45	U		P		0.45	2.25
7440-22-4	Silver	0.18	U		P		0.18	0.563
7440-23-5	Sodium	61.5			P		11.2	33.8
7440-28-0	Thallium	0.486	J		P		0.383	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

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DRAFT

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	10.7			P		0.18	0.563
7440-66-6	Zinc	427			P		0.371	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1947

DRAFT

Metals Inorganic QC Summary Data

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	1.84	U		P		1.84	9.71
7440-36-0	Antimony	0.273	J		P		0.233	0.971
7440-38-2	Arsenic	0.485	U		P		0.485	0.971
7440-39-3	Barium	0.155	U		P		0.155	0.485
7440-41-7	Beryllium	0.155	U		P		0.155	0.485
7440-43-9	Cadmium	0.0485	U		P		0.0485	0.485
7440-70-2	Calcium	3.2	U		P		3.2	9.71
7440-47-3	Chromium	0.155	U		P		0.155	0.485
7440-48-4	Cobalt	0.0485	U		P		0.0485	0.485
7440-50-8	Copper	0.155	U		P		0.155	0.485
7439-89-6	Iron	2.51	J		P		0.582	4.85
7439-92-1	Lead	0.33	U		P		0.33	0.777
7439-95-4	Magnesium	2.82	U		P		2.82	9.71
7439-96-5	Manganese	0.155	U		P		0.155	0.485
7440-02-0	Nickel	0.155	U		P		0.155	0.485
7440-09-7	Potassium	4.85	U		P		4.85	48.5
7782-49-2	Selenium	0.388	U		P		0.388	1.94
7440-22-4	Silver	0.155	U		P		0.155	0.485
7440-23-5	Sodium	9.71	U		P		9.71	29.1
7440-28-0	Thallium	0.33	U		P		0.33	0.971
7440-62-2	Vanadium	0.155	U		P		0.155	0.485

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	0.32	U		P		0.32	0.971

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

127971MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127971MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-97-6	Mercury	0.00361	U		CV		0.00361	0.0195

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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5A

SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.

EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13300		5740		5780	130.8	N	P
Antimony	75 - 125	48.8		0.715	J	57.8	83.2		P
Arsenic	75 - 125	74.4		10.1		57.8	111.2		P
Barium	75 - 125	222		48.2		173	100.5		P
Beryllium	75 - 125	58.1		0.503	J	57.8	99.6		P
Cadmium	75 - 125	53.4		0.0613	U	57.8	92.4		P
Calcium	75 - 125	20900		14300		5780	114.2		P
Chromium	75 - 125	98.7		32.6		57.8	114.4		P
Cobalt	75 - 125	62.6		7.08		57.8	96.1		P
Copper	75 - 125	68.0		14.0		57.8	93.4		P
Iron	75 - 125	32800		21900		5780	188.6	N	P
Lead	75 - 125	78.6		18.8		57.8	103.5		P
Magnesium	75 - 125	10300		3590		5780	116.1		P
Manganese	-								NR
Mercury	80 - 120	0.427		0.0670		0.389	92.5		CV
Nickel	75 - 125	66.6		9.16		57.8	99.4		P
Potassium	75 - 125	6370		466		5780	102.1		P
Selenium	75 - 125	54.3		0.491	U	57.8	93.9		P
Silver	75 - 125	23.2		0.196	U	23.1	100.4		P
Sodium	75 - 125	6120		98.0		5780	104.2		P
Thallium	75 - 125	55.7		0.417	U	57.8	96.4		P
Vanadium	75 - 125	94.4		28.5		57.8	114		P
Zinc	75 - 125	183		147		57.8	62.3	N	P

Comments:

090512 1948

DRAFT

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.: EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13600		5740		5940	132.3	N	P
Antimony	75 - 125	51.9		0.715	J	59.4	86.2		P
Arsenic	75 - 125	72.9		10.1		59.4	105.7		P
Barium	75 - 125	240		48.2		178	107.8		P
Beryllium	75 - 125	62.0		0.503	J	59.4	103.5		P
Cadmium	75 - 125	56.5		0.0613	U	59.4	95.1		P
Calcium	75 - 125	20500		14300		5940	104.4		P
Chromium	75 - 125	112		32.6		59.4	133.7	N	P
Cobalt	75 - 125	69.8		7.08		59.4	105.6		P
Copper	75 - 125	74.2		14.0		59.4	101.3		P
Iron	75 - 125	32700		21900		5940	181.8	N	P
Lead	75 - 125	82.0		18.8		59.4	106.4		P
Magnesium	75 - 125	10300		3590		5940	113		P
Manganese	-								NR
Mercury	80 - 120	0.437		0.0670		0.400	92.5		CV
Nickel	75 - 125	74.2		9.16		59.4	109.5		P
Potassium	75 - 125	6680		466		5940	104.6		P
Selenium	75 - 125	58.4		0.491	U	59.4	98.3		P
Silver	75 - 125	24.6		0.196	U	23.8	103.4		P
Sodium	75 - 125	6490		98.0		5940	107.6		P
Thallium	75 - 125	59.8		0.417	U	59.4	100.7		P
Vanadium	75 - 125	98.1		28.5		59.4	117.2		P
Zinc	75 - 125	206		147		59.4	99.3		P

Comments:

090512 1948

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.

350583501A

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	80 - 120	99400.00		46790.82		50000	105.3		P
Antimony	80 - 120	509.00		5.83	J	500	100.7		P
Arsenic	80 - 120	601.00		82.34		500	103.7		P
Barium	80 - 120	1910.00		392.94		1500	101.3		P
Beryllium	80 - 120	536.00		4.10	J	500	106.3		P
Cadmium	80 - 120	491.00			U	500	98.3		P
Calcium	80 - 120	164000.00		116925.82		50000	94.8		P
Chromium	80 - 120	782.00		266.10		500	103.3		P
Cobalt	80 - 120	557.00		57.71		500	100.0		P
Copper	80 - 120	645.00		114.55		500	106.1		P
Iron	80 - 120	223000.00		178710.36		50000	88.8		P
Lead	80 - 120	653.00		153.14		500	99.9		P
Magnesium	80 - 120	77900.00		29256.41		50000	97.4		P
Mercury	-	3.10		0.51		3	86.3		CV
Nickel	80 - 120	586.00		74.69		500	102.2		P
Potassium	80 - 120	55700.00		3798.89		50000	103.9		P
Selenium	80 - 120	489.00			U	500	97.9		P
Silver	80 - 120	212.00			U	200	105.8		P
Sodium	80 - 120	53800.00		798.58		50000	106.0		P
Thallium	80 - 120	521.00			U	500	104.3		P
Vanadium	80 - 120	780.00		232.52		500	109.5		P
Zinc	80 - 120	1710.00		1197.50		500	102.1		P

Comments:

090512 1948

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.: 350583501ADL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Manganese	80 - 120	6010.00		5157.78		1000	85.1		P

Comments:

090512 1948

DRAFT

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DUPLICATES

EPA Sample No.

127450LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	5090		5000		1.8		P
Antimony	20	48.4		49		1.2		P
Arsenic	20	49.3		49.3		0.0		P
Barium	20	146		147		0.7		P
Beryllium	20	48.5		49.1		1.2		P
Cadmium	20	46.6		47.2		1.3		P
Calcium	20	4810		4750		1.3		P
Chromium	20	49.3		49.5		0.4		P
Cobalt	20	47.8		48.1		0.6		P
Copper	20	48.7		49.2		1.0		P
Iron	20	5130		5060		1.4		P
Lead	20	49		49.1		0.2		P
Magnesium	20	4890		4870		0.4		P
Manganese	20	48.4		48.9		1.0		P
Nickel	20	48.6		49.1		1.0		P
Potassium	20	4970		4900		1.4		P
Selenium	20	47		47.4		0.8		P
Silver	20	19.5		19.8		1.5		P
Sodium	20	5180		5080		1.9		P
Thallium	20	49.8		50.2		0.8		P
Vanadium	20	51.2		52.1		1.7		P
Zinc	20	49.8		50.2		0.8		P

Comments:

090512 1948

U.S. EPA - CLP

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DUPLICATES

DRAFT

EPA Sample No.

127973LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	20	0.299		0.3		0.3		CV

Comments:

090512 1948

DRAFT

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DUPLICATES

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6 % Solids for Duplicate: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	13300		13600		2.2		P
Antimony	20	48.8		51.9		6.2		P
Arsenic	20	74.4		72.9		2.0		P
Barium	20	222		240		7.8		P
Beryllium	20	58.1		62		6.5		P
Cadmium	20	53.4		56.5		5.6		P
Calcium	20	20900		20500		1.9		P
Chromium	20	98.7		112		12.6		P
Cobalt	20	62.6		69.8		10.9		P
Copper	20	68		74.2		8.7		P
Iron	20	32800		32700		0.3		P
Lead	20	78.6		82		4.2		P
Magnesium	20	10300		10300		0.0		P
Mercury	20	0.427		0.437		2.3		CV
Nickel	20	66.6		74.2		10.8		P
Potassium	20	6370		6680		4.8		P
Selenium	20	54.3		58.4		7.3		P
Silver	20	23.2		24.6		5.9		P
Sodium	20	6120		6490		5.9		P
Thallium	20	55.7		59.8		7.1		P
Vanadium	20	94.4		98.1		3.8		P
Zinc	20	183		206		11.8		P

Comments:

090512 1948

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LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

127449LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	Solid (mg/Kg) %R
Aluminum				4900	5090		80 - 120	103.9
Antimony				49	48.4		80 - 120	98.8
Arsenic				49	49.3		80 - 120	100.6
Barium				147	146		80 - 120	99.3
Beryllium				49	48.5		80 - 120	99.0
Cadmium				49	46.6		80 - 120	95.1
Calcium				4900	4810		80 - 120	98.2
Chromium				49	49.3		80 - 120	100.6
Cobalt				49	47.8		80 - 120	97.6
Copper				49	48.7		80 - 120	99.4
Iron				4900	5130		80 - 120	104.7
Lead				49	49		80 - 120	100.0
Magnesium				4900	4890		80 - 120	99.8
Manganese				49	48.4		80 - 120	98.8
Nickel				49	48.6		80 - 120	99.2
Potassium				4900	4970		80 - 120	101.4
Selenium				49	47		80 - 120	95.9
Silver				19.6	19.5		80 - 120	99.5
Sodium				4900	5180		80 - 120	105.7
Thallium				49	49.8		80 - 120	101.6
Vanadium				49	51.2		80 - 120	104.5
Zinc				49	49.8		80 - 120	101.6

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LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

127450LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	Solid (mg/Kg) %R
Aluminum				4830	5000		80 - 120	103.5
Antimony				48.3	49		80 - 120	101.4
Arsenic				48.3	49.3		80 - 120	102.1
Barium				145	147		80 - 120	101.4
Beryllium				48.3	49.1		80 - 120	101.7
Cadmium				48.3	47.2		80 - 120	97.7
Calcium				4830	4750		80 - 120	98.3
Chromium				48.3	49.5		80 - 120	102.5
Cobalt				48.3	48.1		80 - 120	99.6
Copper				48.3	49.2		80 - 120	101.9
Iron				4830	5060		80 - 120	104.8
Lead				48.3	49.1		80 - 120	101.7
Magnesium				4830	4870		80 - 120	100.8
Manganese				48.3	48.9		80 - 120	101.2
Nickel				48.3	49.1		80 - 120	101.7
Potassium				4830	4900		80 - 120	101.4
Selenium				48.3	47.4		80 - 120	98.1
Silver				19.3	19.8		80 - 120	102.6
Sodium				4830	5080		80 - 120	105.2
Thallium				48.3	50.2		80 - 120	103.9
Vanadium				48.3	52.1		80 - 120	107.9
Zinc				48.3	50.2		80 - 120	103.9

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LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

127972LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.291	0.299		80 - 120	102.7

090512 1948

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LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005 | 127973LCSD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.294	0.3		80 - 120	102.0

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DRAFT

Wet Chemistry Data Package

090512 1948

CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA SW846 Method 9060Mod.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

Spikes are not available for this method.

D. Duplicate:

CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

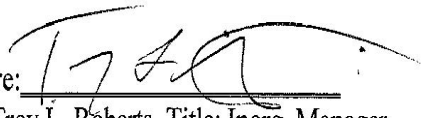
Client: OTIE

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: 

Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE:** **05/09/2012**

DRAFT

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Comments:

090512 1948

DRAFT

Wetchem_TOCS Inorganic Sample Data

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	267000			TC		74.1	638

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	26300			TC		45.8	395

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	45400			TC		59.6	513

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	184000			TC		73.3	631

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	409000			TC		104	897

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	509000			TC		136	1170

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

DRAFT

Wetchem_TOCS Inorganic QC Summary Data

090512 1948

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 128373MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128373MB

Level:(low/med) LOW Date Received: 4/30/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	54.6	U		TC		54.6	470

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

090512 1948

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DUPLICATES

DRAFT

EPA Sample No.

128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	96400		96800		0.4		TC

Comments:

090512 1948

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7-CC

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

128374LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96400	96.4	

Comments:

090512 1948

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7-CC

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.: 128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96800	96.8	

Comments:

090512 1948

DRAFT

Chain of Custody Documentation

090512 1948

DRAFT

Addendum

090512 1948

Letter of Acceptance

Customer Name:	Oneida Total Integrated Enterprises
Date and Time Received:	4/24/2012 9:40:00 AM
Date to be Reported:	5/8/2012
Laboratory Submission Number/SDG:	3505835

Project: OTIE-Five Mile Creek / 2005148-1392

Samples: The submission consisted of 8 samples, including QC, with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 6010, 7471, 8082, 8270, 8270_SIM, 9060MOD.

Sample Custody/COC discrepancies:

None.

Notes:

Temp 4.9C

TOC was added to the sediment samples.

MS/MSD is not applicable for TOC.

Distribution of Report to:

Oneida Total Integrated Enterprises
Attn: Limari Krebs
(W): 678-355-5550
(F): 770-528-0167

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. Spectrum Analytical letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials.

Log-in Report

Level: 4

Total of: 48 analyses on 8 samples (including QC) *28-Apr-12*

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01	350583501	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-02	350583502	EPAFMC02	S	4/23/2012 1:45:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8082	PCB	8082
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-03	350583503	EPAFMC03	S	4/23/2012 1:55:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-04	350583504	EPAFMC04	S	4/23/2012 2:10:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8082	PCB	8082
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-05	350583505	EPAFMC05	S	4/23/2012 2:20:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3505835

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-06	350583506	EPAFMC05	S	4/23/2012 2:25:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
9060MOD	Total Organic Carbon	9060 MOD
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01MS	350583507	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
EPAFMC-SD-01SD	350583508	EPAFMC01	S	4/23/2012 1:35:00 PM	4/24/2012 9:40:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Thursday, May 10, 2012 3:14 PM
To: 'Limari Krebs'
Cc: Brian Spann [Tampa]
Subject: OTIE-Five Mile Creek : 3505835.zip, 3505835-final.pdf

Attachments: 3505835.zip; 3505835-final.pdf

3505835.zip (145 KB)

3505835-final.pdf (509 KB)

Limari,

Attached is the final and complete set of result forms and excel for the referenced SDG.

Mark

The message is ready to be sent with the following file or link attachments:

3505835.zip
3505835-final.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

EXECUTIVE SUMMARY - Detection Highlights

3505835

SAMPLE ID: EPAFMC-SD-01

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5740 N	12.3	MG/KG	SW6010B
Antimony	0.715 J	1.23	MG/KG	SW6010B
Arsenic	10.1	1.23	MG/KG	SW6010B
Barium	48.2	0.613	MG/KG	SW6010B
Beryllium	0.503 J	0.613	MG/KG	SW6010B
Calcium	14300	12.3	MG/KG	SW6010B
Chromium	32.6 N	0.613	MG/KG	SW6010B
Cobalt	7.08	0.613	MG/KG	SW6010B
Copper	14.0	0.613	MG/KG	SW6010B
Iron	21900 N	6.13	MG/KG	SW6010B
Lead	18.8	0.981	MG/KG	SW6010B
Magnesium	3590	12.3	MG/KG	SW6010B
Nickel	9.16	0.613	MG/KG	SW6010B
Potassium	466	61.3	MG/KG	SW6010B
Sodium	98.0	36.8	MG/KG	SW6010B
Vanadium	28.5	0.613	MG/KG	SW6010B
Zinc	147 N	1.23	MG/KG	SW6010B
Mercury	0.0670	0.0263	MG/KG	SW7471A
Acenaphthene	928 J	3400	UG/KG	SW8270D
Acenaphthylene	944 J	3400	UG/KG	SW8270D
Anthracene	2860 J	3400	UG/KG	SW8270D
Benzo(a)anthracene	7390	3400	UG/KG	SW8270D
Benzo(a)pyrene	4520	3400	UG/KG	SW8270D
Benzo(b)fluoranthene	7130	3400	UG/KG	SW8270D
Benzo(g,h,i)perylene	2220 J	3400	UG/KG	SW8270D
Benzo(k)fluoranthene	3050 J	3400	UG/KG	SW8270D
Chrysene	7300	3300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	818 J	3400	UG/KG	SW8270D
Fluoranthene	13700	3400	UG/KG	SW8270D
Fluorene	1230 J	3400	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	2070 J	3400	UG/KG	SW8270D
Phenanthrene	6590	3400	UG/KG	SW8270D
Pyrene	10600	3400	UG/KG	SW8270D
1-Methylnaphthalene	124	3.9	UG/KG	SW8270D-SIM
2-Methylnaphthalene	422	3.9	UG/KG	SW8270D-SIM
TOC	267000	638	MG/KG	SW9060

100512 1503

EXECUTIVE SUMMARY - Detection Highlights

3505835

SAMPLE ID: EPAFMC-SD-01DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	633	1.23	MG/KG	SW6010B
Acenaphthene	9140	780	UG/KG	SW8270D-SIM
Acenaphthylene	13200	780	UG/KG	SW8270D-SIM
Anthracene	21200	780	UG/KG	SW8270D-SIM
Benzo(a)anthracene	16000	780	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10300	780	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	12700	780	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	6920	780	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	4680	780	UG/KG	SW8270D-SIM
Chrysene	15900	780	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	2230	780	UG/KG	SW8270D-SIM
Fluoranthene	26800	780	UG/KG	SW8270D-SIM
Fluorene	5600	780	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4630	780	UG/KG	SW8270D-SIM
Naphthalene	1260	780	UG/KG	SW8270D-SIM
Phenanthrene	20400	780	UG/KG	SW8270D-SIM
Pyrene	17600	780	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-02

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	5920	11.9	MG/KG	SW6010B
Antimony	0.828 J	1.19	MG/KG	SW6010B
Arsenic	14.1	1.19	MG/KG	SW6010B
Barium	86.8	0.593	MG/KG	SW6010B
Beryllium	0.711	0.593	MG/KG	SW6010B
Calcium	18800	11.9	MG/KG	SW6010B
Chromium	37.7	0.593	MG/KG	SW6010B
Cobalt	8.12	0.593	MG/KG	SW6010B
Copper	18.1	0.593	MG/KG	SW6010B
Iron	22600	5.93	MG/KG	SW6010B
Lead	32.4	0.950	MG/KG	SW6010B
Magnesium	5130	11.9	MG/KG	SW6010B
Nickel	14.3	0.593	MG/KG	SW6010B
Potassium	562	59.3	MG/KG	SW6010B

100512 1503

EXECUTIVE SUMMARY - Detection Highlights

3505835

Sodium	104	35.6	MG/KG	SW6010B
Vanadium	27.3	0.593	MG/KG	SW6010B
Zinc	180	1.19	MG/KG	SW6010B
Mercury	0.0564	0.0236	MG/KG	SW7471A
1,1'-Biphenyl	645 J	1300	UG/KG	SW8270D
2-Methylnaphthalene	1720	1300	UG/KG	SW8270D
Acenaphthene	8020	1300	UG/KG	SW8270D
Acenaphthylene	2810	1300	UG/KG	SW8270D
Benzo(a)anthracene	19600	1300	UG/KG	SW8270D
Benzo(a)pyrene	14500	1300	UG/KG	SW8270D
Benzo(b)fluoranthene	22500	1300	UG/KG	SW8270D
Benzo(g,h,i)perylene	5060	1300	UG/KG	SW8270D
Benzo(k)fluoranthene	9520	1300	UG/KG	SW8270D
Carbazole	6390	1300	UG/KG	SW8270D
Chrysene	20300	1300	UG/KG	SW8270D
Dibenzo(a,h)anthracene	2300	1300	UG/KG	SW8270D
Dibenzofuran	4920	1300	UG/KG	SW8270D
Fluorene	11800	1300	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	4940	1300	UG/KG	SW8270D
Naphthalene	2350	1300	UG/KG	SW8270D
1-Methylnaphthalene	129	3.2	UG/KG	SW8270D-SIM
2-Methylnaphthalene	378	3.2	UG/KG	SW8270D-SIM
TOC	26300	395	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-02DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	1580	2.97	MG/KG	SW6010B
Anthracene	28200	6600	UG/KG	SW8270D
Fluoranthene	44700	6600	UG/KG	SW8270D
Phenanthrene	40900	6600	UG/KG	SW8270D
Pyrene	32800	6600	UG/KG	SW8270D
Acenaphthene	1370	640	UG/KG	SW8270D-SIM
Acenaphthylene	2030	640	UG/KG	SW8270D-SIM
Anthracene	6510	640	UG/KG	SW8270D-SIM
Benzo(a)anthracene	15800	640	UG/KG	SW8270D-SIM
Benzo(a)pyrene	10800	640	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	14900	640	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	4970	640	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	15800	640	UG/KG	SW8270D-SIM

EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	13300	640	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	1920	640	UG/KG	SW8270D-SIM
Fluoranthene	28300	640	UG/KG	SW8270D-SIM
Fluorene	2060	640	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	4970	640	UG/KG	SW8270D-SIM
Naphthalene	2490	640	UG/KG	SW8270D-SIM
Phenanthrene	11900	640	UG/KG	SW8270D-SIM
Pyrene	18700	640	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-03

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	4400	11.4	MG/KG	SW6010B
Antimony	0.357 J	1.14	MG/KG	SW6010B
Arsenic	8.44	1.14	MG/KG	SW6010B
Barium	48.8	0.572	MG/KG	SW6010B
Beryllium	0.455 J	0.572	MG/KG	SW6010B
Calcium	14000	11.4	MG/KG	SW6010B
Chromium	28.8	0.572	MG/KG	SW6010B
Cobalt	5.27	0.572	MG/KG	SW6010B
Copper	7.72	0.572	MG/KG	SW6010B
Iron	17600	5.72	MG/KG	SW6010B
Lead	18.7	0.915	MG/KG	SW6010B
Magnesium	4150	11.4	MG/KG	SW6010B
Nickel	7.81	0.572	MG/KG	SW6010B
Potassium	352	57.2	MG/KG	SW6010B
Sodium	98.7	34.3	MG/KG	SW6010B
Thallium	0.521 J	1.14	MG/KG	SW6010B
Vanadium	24.6	0.572	MG/KG	SW6010B
Zinc	148	1.14	MG/KG	SW6010B
Mercury	0.0420	0.0149	MG/KG	SW7471A
Acenaphthene	185 J	580	UG/KG	SW8270D
Acenaphthylene	671	580	UG/KG	SW8270D
Anthracene	1360	580	UG/KG	SW8270D
Benzo(a)anthracene	4580	580	UG/KG	SW8270D
Benzo(a)pyrene	3370	580	UG/KG	SW8270D
Benzo(b)fluoranthene	4860	580	UG/KG	SW8270D
Benzo(g,h,i)perylene	1300	580	UG/KG	SW8270D
Benzo(k)fluoranthene	2450	580	UG/KG	SW8270D
Carbazole	239 J	580	UG/KG	SW8270D

EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	4620	570	UG/KG	SW8270D
Dibenzo(a,h)anthracene	557 J	580	UG/KG	SW8270D
Dibenzofuran	128 J	580	UG/KG	SW8270D
Fluoranthene	7610	580	UG/KG	SW8270D
Fluorene	352 J	580	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	1310	580	UG/KG	SW8270D
Naphthalene	301 J	580	UG/KG	SW8270D
Phenanthrene	1930	580	UG/KG	SW8270D
Pyrene	5660	580	UG/KG	SW8270D
1-Methylnaphthalene	43.2	3.6	UG/KG	SW8270D-SIM
2-Methylnaphthalene	111	3.6	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	530	3.6	UG/KG	SW8270D-SIM
Naphthalene	274	3.6	UG/KG	SW8270D-SIM
TOC	45400	513	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-03DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	605	1.14	MG/KG	SW6010B
Acenaphthene	999	180	UG/KG	SW8270D-SIM
Acenaphthylene	1020	180	UG/KG	SW8270D-SIM
Anthracene	4550	180	UG/KG	SW8270D-SIM
Benzo(a)anthracene	7290	180	UG/KG	SW8270D-SIM
Benzo(a)pyrene	5040	180	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	6910	180	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	2250	180	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	2250	180	UG/KG	SW8270D-SIM
Chrysene	5990	180	UG/KG	SW8270D-SIM
Fluoranthene	12200	180	UG/KG	SW8270D-SIM
Fluorene	1390	180	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	2260	180	UG/KG	SW8270D-SIM
Phenanthrene	6320	180	UG/KG	SW8270D-SIM
Pyrene	7850	180	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-04

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

100512 1503

EXECUTIVE SUMMARY - Detection Highlights

3505835

Aluminum	9290	13.5	MG/KG	SW6010B
Antimony	0.976 J	1.35	MG/KG	SW6010B
Arsenic	11.9	1.35	MG/KG	SW6010B
Barium	80.1	0.674	MG/KG	SW6010B
Beryllium	0.642 J	0.674	MG/KG	SW6010B
Calcium	14500	13.5	MG/KG	SW6010B
Chromium	26.9	0.674	MG/KG	SW6010B
Cobalt	14.4	0.674	MG/KG	SW6010B
Copper	26.2	0.674	MG/KG	SW6010B
Iron	33100	6.74	MG/KG	SW6010B
Lead	29.1	1.08	MG/KG	SW6010B
Magnesium	6040	13.5	MG/KG	SW6010B
Nickel	18.4	0.674	MG/KG	SW6010B
Potassium	868	67.4	MG/KG	SW6010B
Sodium	59.0	40.4	MG/KG	SW6010B
Thallium	0.588 J	1.35	MG/KG	SW6010B
Vanadium	40.7	0.674	MG/KG	SW6010B
Zinc	162	1.35	MG/KG	SW6010B
Mercury	0.0747	0.0202	MG/KG	SW7471A
Acenaphthylene	161 J	340	UG/KG	SW8270D
Anthracene	328 J	340	UG/KG	SW8270D
Benzo(a)anthracene	986	340	UG/KG	SW8270D
Benzo(a)pyrene	759	340	UG/KG	SW8270D
Benzo(b)fluoranthene	1130	340	UG/KG	SW8270D
Benzo(g,h,i)perylene	467	340	UG/KG	SW8270D
Benzo(k)fluoranthene	478	340	UG/KG	SW8270D
Chrysene	1000	340	UG/KG	SW8270D
Dibenzo(a,h)anthracene	120 J	340	UG/KG	SW8270D
Fluoranthene	2370	340	UG/KG	SW8270D
Fluorene	107 J	340	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	386	340	UG/KG	SW8270D
Naphthalene	95.3 J	340	UG/KG	SW8270D
Phenanthrene	1240	340	UG/KG	SW8270D
Pyrene	1920	340	UG/KG	SW8270D
1-Methylnaphthalene	22.8	4.3	UG/KG	SW8270D-SIM
2-Methylnaphthalene	45.0	4.3	UG/KG	SW8270D-SIM
Acenaphthene	33.9	4.3	UG/KG	SW8270D-SIM
Acenaphthylene	53.6	4.3	UG/KG	SW8270D-SIM
Anthracene	150	4.3	UG/KG	SW8270D-SIM
Benzo(a)anthracene	443	4.3	UG/KG	SW8270D-SIM
Benzo(a)pyrene	378	4.3	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	561	4.3	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	218	4.3	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	163	4.3	UG/KG	SW8270D-SIM

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EXECUTIVE SUMMARY - Detection Highlights

3505835

Chrysene	449	4.3	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	81.2	4.3	UG/KG	SW8270D-SIM
Fluorene	40.6	4.3	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	198	4.3	UG/KG	SW8270D-SIM
Naphthalene	121	4.3	UG/KG	SW8270D-SIM
Phenanthrene	256	4.3	UG/KG	SW8270D-SIM
Pyrene	504	4.3	UG/KG	SW8270D-SIM
TOC	184000	631	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-04DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Manganese	838	3.37	MG/KG	SW6010B
Fluoranthene	827	21	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-05

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	3770	9.02	MG/KG	SW6010B
Antimony	1.00	0.902	MG/KG	SW6010B
Arsenic	6.59	0.902	MG/KG	SW6010B
Barium	107	0.451	MG/KG	SW6010B
Beryllium	0.296 J	0.451	MG/KG	SW6010B
Cadmium	1.67	0.451	MG/KG	SW6010B
Calcium	9780	9.02	MG/KG	SW6010B
Chromium	17.6	0.451	MG/KG	SW6010B
Cobalt	4.03	0.451	MG/KG	SW6010B
Copper	52.3	0.451	MG/KG	SW6010B
Iron	13300	4.51	MG/KG	SW6010B
Lead	129	0.721	MG/KG	SW6010B
Magnesium	2130	9.02	MG/KG	SW6010B
Manganese	225	0.451	MG/KG	SW6010B
Nickel	11.3	0.451	MG/KG	SW6010B
Potassium	315	45.1	MG/KG	SW6010B
Silver	0.258 J	0.451	MG/KG	SW6010B
Sodium	61.3	27.0	MG/KG	SW6010B
Vanadium	9.20	0.451	MG/KG	SW6010B

EXECUTIVE SUMMARY - Detection Highlights

3505835

Zinc	392	0.902	MG/KG	SW6010B
Mercury	0.442	0.0185	MG/KG	SW7471A
1,1'-Biphenyl	317000	190000	UG/KG	SW8270D
2-Methylnaphthalene	2180000	190000	UG/KG	SW8270D
Acenaphthene	2320000	190000	UG/KG	SW8270D
Acenaphthylene	309000	190000	UG/KG	SW8270D
Benzo(a)anthracene	1740000	190000	UG/KG	SW8270D
Benzo(a)pyrene	1050000	190000	UG/KG	SW8270D
Benzo(b)fluoranthene	1470000	190000	UG/KG	SW8270D
Benzo(g,h,i)perylene	369000	190000	UG/KG	SW8270D
Benzo(k)fluoranthene	777000	190000	UG/KG	SW8270D
Carbazole	1640000	190000	UG/KG	SW8270D
Chrysene	1920000	190000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	168000 J	190000	UG/KG	SW8270D
Dibenzofuran	1610000	190000	UG/KG	SW8270D
Fluorene	2610000	190000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	367000	190000	UG/KG	SW8270D
Pyrene	2700000	190000	UG/KG	SW8270D
Acenaphthylene	352000	3000	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	366000	3000	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	186000	3000	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	381000	3000	UG/KG	SW8270D-SIM
TOC	409000	897	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-05DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Anthracene	5220000	950000	UG/KG	SW8270D
Fluoranthene	6260000	950000	UG/KG	SW8270D
Naphthalene	11900000	950000	UG/KG	SW8270D
Phenanthrene	10200000	950000	UG/KG	SW8270D
1-Methylnaphthalene	880000	750000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	1760000	750000	UG/KG	SW8270D-SIM
Acenaphthene	2010000	750000	UG/KG	SW8270D-SIM
Anthracene	4930000	750000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	1840000	750000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1170000	750000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1330000	750000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	612000 J	750000	UG/KG	SW8270D-SIM
Chrysene	1900000	750000	UG/KG	SW8270D-SIM

EXECUTIVE SUMMARY - Detection Highlights

3505835

Fluoranthene	3970000	750000	UG/KG	SW8270D-SIM
Fluorene	2450000	750000	UG/KG	SW8270D-SIM
Naphthalene	6750000	750000	UG/KG	SW8270D-SIM
Phenanthrene	6190000	750000	UG/KG	SW8270D-SIM
Pyrene	2330000	750000	UG/KG	SW8270D-SIM

SAMPLE ID: EPAFMC-SD-06

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Aluminum	2700	11.2	MG/KG	SW6010B
Antimony	1.21	1.12	MG/KG	SW6010B
Arsenic	10.5	1.12	MG/KG	SW6010B
Barium	73.2	0.563	MG/KG	SW6010B
Beryllium	0.256 J	0.563	MG/KG	SW6010B
Cadmium	2.16	0.563	MG/KG	SW6010B
Calcium	9890	11.2	MG/KG	SW6010B
Chromium	19.7	0.563	MG/KG	SW6010B
Cobalt	4.18	0.563	MG/KG	SW6010B
Copper	62.5	0.563	MG/KG	SW6010B
Iron	14800	5.63	MG/KG	SW6010B
Lead	135	0.900	MG/KG	SW6010B
Magnesium	2240	11.2	MG/KG	SW6010B
Manganese	350	0.563	MG/KG	SW6010B
Nickel	9.35	0.563	MG/KG	SW6010B
Potassium	271	56.3	MG/KG	SW6010B
Sodium	61.5	33.8	MG/KG	SW6010B
Thallium	0.486 J	1.12	MG/KG	SW6010B
Vanadium	10.7	0.563	MG/KG	SW6010B
Zinc	427	1.12	MG/KG	SW6010B
Mercury	0.327	0.0179	MG/KG	SW7471A
1,1'-Biphenyl	330000	220000	UG/KG	SW8270D
2-Methylnaphthalene	2040000	220000	UG/KG	SW8270D
Acenaphthene	2480000	220000	UG/KG	SW8270D
Acenaphthylene	364000	220000	UG/KG	SW8270D
Anthracene	3200000	220000	UG/KG	SW8270D
Benzo(a)anthracene	1950000	220000	UG/KG	SW8270D
Benzo(a)pyrene	1230000	220000	UG/KG	SW8270D
Benzo(b)fluoranthene	1800000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	418000	220000	UG/KG	SW8270D
Benzo(k)fluoranthene	794000	220000	UG/KG	SW8270D

EXECUTIVE SUMMARY - Detection Highlights

3505835

Carbazole	1370000	220000	UG/KG	SW8270D
Chrysene	1970000	220000	UG/KG	SW8270D
Dibenzo(a,h)anthracene	189000 J	220000	UG/KG	SW8270D
Dibenzofuran	1630000	220000	UG/KG	SW8270D
Fluorene	2690000	220000	UG/KG	SW8270D
Indeno(1,2,3-cd)pyrene	410000	220000	UG/KG	SW8270D
Pyrene	3030000	220000	UG/KG	SW8270D
Benzo(g,h,i)perylene	519000	3800	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	257000	3800	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	526000	3800	UG/KG	SW8270D-SIM
TOC	509000	1170	MG/KG	SW9060

SAMPLE ID: EPAFMC-SD-06DL1

DRAFT

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Fluoranthene	7300000	1100000	UG/KG	SW8270D
Naphthalene	11700000	1100000	UG/KG	SW8270D
Phenanthrene	11600000	1100000	UG/KG	SW8270D
1-Methylnaphthalene	1310000	960000	UG/KG	SW8270D-SIM
2-Methylnaphthalene	2440000	960000	UG/KG	SW8270D-SIM
Acenaphthene	2760000	960000	UG/KG	SW8270D-SIM
Acenaphthylene	1020000	960000	UG/KG	SW8270D-SIM
Anthracene	5790000	960000	UG/KG	SW8270D-SIM
Benzo(a)anthracene	2450000	960000	UG/KG	SW8270D-SIM
Benzo(a)pyrene	1590000	960000	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	1780000	960000	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	874000 J	960000	UG/KG	SW8270D-SIM
Chrysene	2580000	960000	UG/KG	SW8270D-SIM
Fluoranthene	5590000	960000	UG/KG	SW8270D-SIM
Fluorene	3240000	960000	UG/KG	SW8270D-SIM
Naphthalene	8960000	960000	UG/KG	SW8270D-SIM
Phenanthrene	8820000	960000	UG/KG	SW8270D-SIM
Pyrene	3260000	960000	UG/KG	SW8270D-SIM

100512 1503

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Organics

100512 1503

Organic Data Qualifiers

DRAFT

U Indicates the analyte was analyzed for but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that analyte. The reporting limit can vary from sample to sample depending on dilution factors or the percent moisture adjustment when indicated.

J Indicates an estimated value. It is used when the data indicates the presence of an analyte above the method detection limit (MDL) yet lower than the reporting limit.

B Indicates the analyte was found in the associated blank as well as in the sample. The notation indicates possible contamination of the sample.

E Indicates the value reported is above the highest calibration standard for that analyte. The sample should be analyzed at an appropriate dilution. "E" qualified values are estimations and the diluted result may be reported on another Form 1.

D Indicates the analyte has been identified in a dilution reanalysis. "D" qualifiers are used for samples that have been analyzed at a lesser dilution than required for accurate quantitation.

C The "C" qualifier indicates the presence of this analyte has been confirmed by GC/MS analysis.

P This qualifier is used for pesticide / Aroclor target analytes where there is greater than 25% difference for the detected concentration between the two GC columns.

N This qualifier indicates presumptive evidence of an analyte. This qualifier is only used for tentatively identified compounds (TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" qualifier is not used.

A This qualifier indicates that a TIC is a suspected aldol-condensation product.

X Data flagged as rejected by analyst utilizing analytical judgement.

100512 1503

Organic Sample ID Qualifiers

DRAFT

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for organic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis may be reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

100512 1503

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8270 SIM Semi-Volatile Organics

100512 1503

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis. There was a sheen observed present on the soil samples EPAFMC-SD-05 and EPAFMC-SD-06. Due to these observations, the initial weight used was reduced to improve the extraction performance.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-01DL1 EPAFMC-SD-01MS EPAFMC-SD-01SD EPAFMC-SD-02DL1 EPAFMC-SD-03DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The parent, MS and MSD were initially analyzed full and all had compounds that were over the calibration

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

range. As a result, all were re-analyzed at a 200X dilution. Only the diluted runs are reported for the MS and MSD.

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 05/02/12. The following analytes were recovered below criteria: 1-Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 05/02/12. The following analytes were recovered below criteria: 1-Methylnaphthalene at 0 % with criteria of (71-132), 2-Methylnaphthalene at 0 % with criteria of (54-145), Acenaphthene at 0 % with criteria of (57-119), Acenaphthylene at 0 % with criteria of (54-115), Anthracene at 0 % with criteria of (40-138), Benzo(a)anthracene at 0 % with criteria of (53-119), Benzo(a)pyrene at 0 % with criteria of (20-120), Benzo(b)fluoranthene at 0 % with criteria of (50-171), Benzo(g,h,i)perylene at 0 % with criteria of (50-150), Benzo(k)fluoranthene at 0 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 0 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 0 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 0 % with criteria of (19-122), Naphthalene at 0 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123). The following analytes exceeded RPD criteria: 2-Methylnaphthalene at 200 % with criteria of (30), Acenaphthylene at 33.4 % with criteria of (30), Anthracene at 92.3 % with criteria of (30), Benzo(a)anthracene at 89.6 % with criteria of (30), Benzo(a)pyrene at 79.8 % with criteria of (30), Benzo(b)fluoranthene at 86.9 % with criteria of (30), Benzo(g,h,i)perylene at 48.2 % with criteria of (30), Benzo(k)fluoranthene at 84.6 % with criteria of (30), Chrysene at 84.1 % with criteria of (30), Dibenzo(a,h)anthracene at 76.6 % with criteria of (30), Fluoranthene at 97.4 % with criteria of (30), Fluorene at 73.8 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 72.7 % with criteria of (30), Phenanthrene at 86.4 % with criteria of (30), Pyrene at 100.1 % with criteria of (30).

No further action was taken. The recoveries failed to meet criteria mostly due to the large concentration of analytes present in the parent sample which greatly exceeded the amount spiked. Samples coded accordingly.

E. Internal Standards:

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-01 required a 200X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-02 required a 200X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-03 required a 50X dilution due to high concentration of the following analytes: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte: Fluoranthene. Both full and diluted runs are reported.

Sample EPAFMC-SD-05 was analyzed full but did not meet criteria internal standard criteria due to the large concentration of non-target compounds. The sample was then reanalyzed at a 200X dilution and required an additional 50000X dilution due to high concentration of the following analytes: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Due to the internal standard failures, only the dilutions are reported.

Sample EPAFMC-SD-06 was analyzed full but did not meet criteria internal standard criteria due to the large concentration of non-target compounds. The sample was then reanalyzed at a 200X dilution and required an additional 50000X dilution due to high concentration of the following analytes: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene. Due to the internal standard failures, only the dilutions are reported.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

SIGNED: **DATE:** **05/10/2012**

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270 SIM

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

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DRAFT

8270 SIM Sample Data

100512 1503

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1706

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	124		1.6	3.9
91-57-6	2-Methylnaphthalene	422		1.6	3.9
83-32-9	Acenaphthene	1170	E	1.6	3.9
208-96-8	Acenaphthylene	1090	E	1.6	3.9
120-12-7	Anthracene	8560	E	1.6	3.9
56-55-3	Benzo(a)anthracene	6800	E	1.6	3.9
50-32-8	Benzo(a)pyrene	4760	E	2.1	3.9
205-99-2	Benzo(b)fluoranthene	5820	E	2.2	3.9
191-24-2	Benzo(g,h,i)perylene	1580	E	3.6	3.9
207-08-9	Benzo(k)fluoranthene	1500	E	2.5	3.9
218-01-9	Chrysene	3670	E	1.5	3.9
53-70-3	Dibenzo(a,h)anthracene	926	E	3	3.9
206-44-0	Fluoranthene	8490	E	1.6	3.9
86-73-7	Fluorene	2390	E	1.6	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	1810	E	3.5	3.9
91-20-3	Naphthalene	728	E	1.6	3.9
85-01-8	Phenanthrene	7350	E	1.6	3.9
129-00-0	Pyrene	4200	E	1.6	3.9

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1 Lab File ID: 83501D200.D

Sample wt/vol: 25.24 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1333

PercentSolids: 67.6 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC01 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	312	U	312	781
91-57-6	2-Methylnaphthalene	721	J	312	781
83-32-9	Acenaphthene	9140		312	781
208-96-8	Acenaphthylene	13200		312	781
120-12-7	Anthracene	21200		312	781
56-55-3	Benzo(a)anthracene	16000		328	781
50-32-8	Benzo(a)pyrene	10300		422	781
205-99-2	Benzo(b)fluoranthene	12700		445	781
191-24-2	Benzo(g,h,i)perylene	6920		727	781
207-08-9	Benzo(k)fluoranthene	4680		492	781
218-01-9	Chrysene	15900		305	781
53-70-3	Dibenzo(a,h)anthracene	2230		610	781
206-44-0	Fluoranthene	26800		312	781
86-73-7	Fluorene	5600		312	781
193-39-5	Indeno(1,2,3-cd)pyrene	4630		703	781
91-20-3	Naphthalene	1260		328	781
85-01-8	Phenanthrene	20400		312	781
129-00-0	Pyrene	17600		312	781

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1731

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	129		1.3	3.2
91-57-6	2-Methylnaphthalene	378		1.3	3.2
83-32-9	Acenaphthene	734	E	1.3	3.2
208-96-8	Acenaphthylene	1330	E	1.3	3.2
120-12-7	Anthracene	4420	E	1.3	3.2
56-55-3	Benzo(a)anthracene	9070	E	1.3	3.2
50-32-8	Benzo(a)pyrene	4800	E	1.7	3.2
205-99-2	Benzo(b)fluoranthene	4980	E	1.8	3.2
191-24-2	Benzo(g,h,i)perylene	1640	E	3	3.2
207-08-9	Benzo(k)fluoranthene	1830	E	2	3.2
218-01-9	Chrysene	4370	E	1.2	3.2
53-70-3	Dibenzo(a,h)anthracene	894	E	2.5	3.2
206-44-0	Fluoranthene	8190	E	1.3	3.2
86-73-7	Fluorene	1260	E	1.3	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	1920	E	2.9	3.2
91-20-3	Naphthalene	1540	E	1.3	3.2
85-01-8	Phenanthrene	5780	E	1.3	3.2
129-00-0	Pyrene	5560	E	1.3	3.2

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D200.D

Sample wt/vol: 25.73 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1808

PercentSolids: 80.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC02 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	256	U	256	641
91-57-6	2-Methylnaphthalene	462	J	256	641
83-32-9	Acenaphthene	1370		256	641
208-96-8	Acenaphthylene	2030		256	641
120-12-7	Anthracene	6510		256	641
56-55-3	Benzo(a)anthracene	15800		270	641
50-32-8	Benzo(a)pyrene	10800		347	641
205-99-2	Benzo(b)fluoranthene	14900		366	641
191-24-2	Benzo(g,h,i)perylene	4970		597	641
207-08-9	Benzo(k)fluoranthene	15800		404	641
218-01-9	Chrysene	13300		250	641
53-70-3	Dibenzo(a,h)anthracene	1920		501	641
206-44-0	Fluoranthene	28300		256	641
86-73-7	Fluorene	2060		256	641
193-39-5	Indeno(1,2,3-cd)pyrene	4970		578	641
91-20-3	Naphthalene	2490		270	641
85-01-8	Phenanthrene	11900		256	641
129-00-0	Pyrene	18700		256	641

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/03/12 Time: 1845

PercentSolids: 74.2 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	43.2		1.4	3.6
91-57-6	2-Methylnaphthalene	111		1.4	3.6
83-32-9	Acenaphthene	602	E	1.4	3.6
208-96-8	Acenaphthylene	761	E	1.4	3.6
120-12-7	Anthracene	2900	E	1.4	3.6
56-55-3	Benzo(a)anthracene	5760	E	1.5	3.6
50-32-8	Benzo(a)pyrene	2990	E	1.9	3.6
205-99-2	Benzo(b)fluoranthene	3810	E	2	3.6
191-24-2	Benzo(g,h,i)perylene	898	E	3.3	3.6
207-08-9	Benzo(k)fluoranthene	932	E	2.2	3.6
218-01-9	Chrysene	2840	E	1.4	3.6
53-70-3	Dibenzo(a,h)anthracene	530		2.8	3.6
206-44-0	Fluoranthene	5980	E	1.4	3.6
86-73-7	Fluorene	916	E	1.4	3.6
193-39-5	Indeno(1,2,3-cd)pyrene	1040	E	3.2	3.6
91-20-3	Naphthalene	274		1.5	3.6
85-01-8	Phenanthrene	3970	E	1.4	3.6
129-00-0	Pyrene	4090	E	1.4	3.6

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1 Lab File ID: 83503D50.D

Sample wt/vol: 25.26 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1832

PercentSolids: 74.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC03 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	71	U	71	178
91-57-6	2-Methylnaphthalene	132	J	71	178
83-32-9	Acenaphthene	999		71	178
208-96-8	Acenaphthylene	1020		71	178
120-12-7	Anthracene	4550		71	178
56-55-3	Benzo(a)anthracene	7290		74.7	178
50-32-8	Benzo(a)pyrene	5040		96	178
205-99-2	Benzo(b)fluoranthene	6910		101	178
191-24-2	Benzo(g,h,i)perylene	2250		165	178
207-08-9	Benzo(k)fluoranthene	2250		112	178
218-01-9	Chrysene	5990		69.4	178
53-70-3	Dibenzo(a,h)anthracene	1020		139	178
206-44-0	Fluoranthene	12200		71	178
86-73-7	Fluorene	1390		71	178
193-39-5	Indeno(1,2,3-cd)pyrene	2260		160	178
91-20-3	Naphthalene	397		74.7	178
85-01-8	Phenanthrene	6320		71	178
129-00-0	Pyrene	7850		71	178

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1133

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	22.8		1.7	4.3
91-57-6	2-Methylnaphthalene	45		1.7	4.3
83-32-9	Acenaphthene	33.9		1.7	4.3
208-96-8	Acenaphthylene	53.6		1.7	4.3
120-12-7	Anthracene	150		1.7	4.3
56-55-3	Benzo(a)anthracene	443		1.8	4.3
50-32-8	Benzo(a)pyrene	378		2.3	4.3
205-99-2	Benzo(b)fluoranthene	561		2.4	4.3
191-24-2	Benzo(g,h,i)perylene	218		4	4.3
207-08-9	Benzo(k)fluoranthene	163		2.7	4.3
218-01-9	Chrysene	449		1.7	4.3
53-70-3	Dibenzo(a,h)anthracene	81.2		3.3	4.3
206-44-0	Fluoranthene	677	E	1.7	4.3
86-73-7	Fluorene	40.6		1.7	4.3
193-39-5	Indeno(1,2,3-cd)pyrene	198		3.9	4.3
91-20-3	Naphthalene	121		1.8	4.3
85-01-8	Phenanthrene	256		1.7	4.3
129-00-0	Pyrene	504		1.7	4.3

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1 Lab File ID: 83504D5.D

Sample wt/vol: 25.06 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1856

PercentSolids: 62 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC04 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	27		8.6	21.4
91-57-6	2-Methylnaphthalene	48.6		8.6	21.4
83-32-9	Acenaphthene	41.6		8.6	21.4
208-96-8	Acenaphthylene	65.3		8.6	21.4
120-12-7	Anthracene	177		8.6	21.4
56-55-3	Benzo(a)anthracene	550		9	21.4
50-32-8	Benzo(a)pyrene	452		11.6	21.4
205-99-2	Benzo(b)fluoranthene	662		12.2	21.4
191-24-2	Benzo(g,h,i)perylene	255		20	21.4
207-08-9	Benzo(k)fluoranthene	207		13.5	21.4
218-01-9	Chrysene	505		8.4	21.4
53-70-3	Dibenzo(a,h)anthracene	92.4		16.7	21.4
206-44-0	Fluoranthene	827		8.6	21.4
86-73-7	Fluorene	48.1		8.6	21.4
193-39-5	Indeno(1,2,3-cd)pyrene	237		19.3	21.4
91-20-3	Naphthalene	141		9	21.4
85-01-8	Phenanthrene	306		8.6	21.4
129-00-0	Pyrene	620		8.6	21.4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505D200.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1309

PercentSolids: 78.2 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	772000	E	1200	3000
91-57-6	2-Methylnaphthalene	1980000	E	1200	3000
83-32-9	Acenaphthene	1650000	E	1200	3000
208-96-8	Acenaphthylene	352000		1200	3000
120-12-7	Anthracene	4360000	E	1200	3000
56-55-3	Benzo(a)anthracene	1800000	E	1260	3000
50-32-8	Benzo(a)pyrene	997000	E	1620	3000
205-99-2	Benzo(b)fluoranthene	1360000	E	1710	3000
191-24-2	Benzo(g,h,i)perylene	366000		2800	3000
207-08-9	Benzo(k)fluoranthene	472000	E	1890	3000
218-01-9	Chrysene	1720000	E	1170	3000
53-70-3	Dibenzo(a,h)anthracene	186000		2340	3000
206-44-0	Fluoranthene	3660000	E	1200	3000
86-73-7	Fluorene	2050000	E	1200	3000
193-39-5	Indeno(1,2,3-cd)pyrene	381000		2710	3000
91-20-3	Naphthalene	6760000	E	1260	3000
85-01-8	Phenanthrene	6220000	E	1200	3000
129-00-0	Pyrene	2140000	E	1200	3000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505D50K.D

Sample wt/vol: 5.67 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1442

PercentSolids: 78.2 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	880000		300000	751000
91-57-6	2-Methylnaphthalene	1760000		300000	751000
83-32-9	Acenaphthene	2010000		300000	751000
208-96-8	Acenaphthylene	1550000		300000	751000
120-12-7	Anthracene	4930000		300000	751000
56-55-3	Benzo(a)anthracene	1840000		316000	751000
50-32-8	Benzo(a)pyrene	1170000		406000	751000
205-99-2	Benzo(b)fluoranthene	1330000		428000	751000
191-24-2	Benzo(g,h,i)perylene	699000	U	699000	751000
207-08-9	Benzo(k)fluoranthene	612000	J	474000	751000
218-01-9	Chrysene	1900000		293000	751000
53-70-3	Dibenzo(a,h)anthracene	586000	U	586000	751000
206-44-0	Fluoranthene	3970000		300000	751000
86-73-7	Fluorene	2450000		300000	751000
193-39-5	Indeno(1,2,3-cd)pyrene	676000	U	676000	751000
91-20-3	Naphthalene	6750000		316000	751000
85-01-8	Phenanthrene	6190000		300000	751000
129-00-0	Pyrene	2330000		300000	751000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506D200.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/08/12 Time: 1245

PercentSolids: 66.7 decanted : Dilution Factor: 200

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1030000	E	1540	3850
91-57-6	2-Methylnaphthalene	2590000	E	1540	3850
83-32-9	Acenaphthene	2250000	E	1540	3850
208-96-8	Acenaphthylene	612000	E	1540	3850
120-12-7	Anthracene	5160000	E	1540	3850
56-55-3	Benzo(a)anthracene	2560000	E	1620	3850
50-32-8	Benzo(a)pyrene	1340000	E	2080	3850
205-99-2	Benzo(b)fluoranthene	1850000	E	2200	3850
191-24-2	Benzo(g,h,i)perylene	519000		3580	3850
207-08-9	Benzo(k)fluoranthene	604000	E	2430	3850
218-01-9	Chrysene	2220000	E	1500	3850
53-70-3	Dibenzo(a,h)anthracene	257000		3000	3850
206-44-0	Fluoranthene	5060000	E	1540	3850
86-73-7	Fluorene	2740000	E	1540	3850
193-39-5	Indeno(1,2,3-cd)pyrene	526000		3470	3850
91-20-3	Naphthalene	8520000	E	1620	3850
85-01-8	Phenanthrene	8350000	E	1540	3850
129-00-0	Pyrene	2950000	E	1540	3850

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506D50K.D

Sample wt/vol: 5.19 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/09/12 Time: 1507

PercentSolids: 66.7 decanted : Dilution Factor: 50000

Extraction: OTHER Station ID: EPAFMC05 Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1310000		384000	962000
91-57-6	2-Methylnaphthalene	2440000		384000	962000
83-32-9	Acenaphthene	2760000		384000	962000
208-96-8	Acenaphthylene	1020000		384000	962000
120-12-7	Anthracene	5790000		384000	962000
56-55-3	Benzo(a)anthracene	2450000		404000	962000
50-32-8	Benzo(a)pyrene	1590000		520000	962000
205-99-2	Benzo(b)fluoranthene	1780000		549000	962000
191-24-2	Benzo(g,h,i)perylene	896000	U	896000	962000
207-08-9	Benzo(k)fluoranthene	874000	J	607000	962000
218-01-9	Chrysene	2580000		376000	962000
53-70-3	Dibenzo(a,h)anthracene	751000	U	751000	962000
206-44-0	Fluoranthene	5590000		384000	962000
86-73-7	Fluorene	3240000		384000	962000
193-39-5	Indeno(1,2,3-cd)pyrene	867000	U	867000	962000
91-20-3	Naphthalene	8960000		404000	962000
85-01-8	Phenanthrene	8820000		384000	962000
129-00-0	Pyrene	3260000		384000	962000

DRAFT

8270 SIM QC Summary

100512 1503

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 128646MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128646MB Lab File ID: 9282MB.D

Sample wt/vol: 20.34 Units: G Date Received: 05/02/12

Concentrated Extract Volume: 1 Date Extracted: 05/02/12

Level:(low/med) LOW Date Analyzed: 05/02/12 Time: 1025

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
90-12-0	1-Methylnaphthalene	1.3	U	1.3	3.3
91-57-6	2-Methylnaphthalene	1.3	U	1.3	3.3
83-32-9	Acenaphthene	1.3	U	1.3	3.3
208-96-8	Acenaphthylene	1.3	U	1.3	3.3
120-12-7	Anthracene	1.3	U	1.3	3.3
56-55-3	Benzo(a)anthracene	1.4	U	1.4	3.3
50-32-8	Benzo(a)pyrene	1.8	U	1.8	3.3
205-99-2	Benzo(b)fluoranthene	1.9	U	1.9	3.3
191-24-2	Benzo(g,h,i)perylene	3	U	3	3.3
207-08-9	Benzo(k)fluoranthene	2.1	U	2.1	3.3
218-01-9	Chrysene	1.3	U	1.3	3.3
53-70-3	Dibenzo(a,h)anthracene	2.6	U	2.6	3.3
206-44-0	Fluoranthene	1.3	U	1.3	3.3
86-73-7	Fluorene	1.3	U	1.3	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	2.9	U	2.9	3.3
91-20-3	Naphthalene	1.4	U	1.4	3.3
85-01-8	Phenanthrene	1.3	U	1.3	3.3
129-00-0	Pyrene	1.3	U	1.3	3.3

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
128646MB	77.2	82.1					0
128647LCS	82.3	85.6					0
EPAFMC-SD-01	62.5	78.5					0
EPAFMC-SD-01DL1	0.0 D	0.0 D					0
EPAFMC-SD-01MS	0.0 D	0.0 D					0
EPAFMC-SD-01SD	0.0 D	0.0 D					0
EPAFMC-SD-02	106.0	67.2					0
EPAFMC-SD-02DL1	0.0 D	0.0 D					0
EPAFMC-SD-03	70.4	67.4					0
EPAFMC-SD-03DL1	0.0 D	0.0 D					0
EPAFMC-SD-04	50.9	49.7					0
EPAFMC-SD-04DL1	58.1	55.9					0
EPAFMC-SD-05	0.0 D	0.0 D					0
EPAFMC-SD-05DL1	0.0 D	0.0 D					0
EPAFMC-SD-06	0.0 D	0.0 D					0
EPAFMC-SD-06DL1	0.0 D	0.0 D					0

Control Limits

S1 = p-Terphenyl-d14 43 - 145

S2 = 2-Fluorobiphenyl 43 - 145

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Form II

100512 1504

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 128647LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	24.3	19.3	79.4			49 - 127
2-Methylnaphthalene	24.3	25.3	104.0			31 - 149
Acenaphthene	24.3	24	98.8			47 - 127
Acenaphthylene	24.3	24.7	102.0			45 - 129
Anthracene	24.3	29.6	122.0			56 - 123
Benzo(a)anthracene	24.3	31.2	128.0			39 - 140
Benzo(a)pyrene	24.3	27.3	112.0			52 - 130
Benzo(b)fluoranthene	24.3	25.9	107.0			40 - 143
Benzo(g,h,i)perylene	24.3	23.6	97.1			48 - 133
Benzo(k)fluoranthene	24.3	24.7	102.0			49 - 131
Chrysene	24.3	22.2	91.4			50 - 132
Dibenzo(a,h)anthracene	24.3	26.3	108.0			51 - 130
Fluoranthene	24.3	28	115.0			46 - 135
Fluorene	24.3	26.8	110.0			52 - 125
Indeno(1,2,3-cd)pyrene	24.3	25.2	104.0			48 - 135
Naphthalene	24.3	30.9	127.0			44 - 140
Phenanthrene	24.3	28.3	116.0			48 - 131
Pyrene	24.3	22.8	93.8			45 - 133

Spike Recovery: 0 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

100512 1504

Form III

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1-Methylnaphthalene	30	120	0	0.0 D	71 - 132
2-Methylnaphthalene	30	420	0	0.0 D	54 - 145
Acenaphthene	30	1200	1900	0.0 D	57 - 119
Acenaphthylene	30	1100	4800	0.0 D	54 - 115
Anthracene	30	8600	4900	0.0 D	40 - 138
Benzo(a)anthracene	30	6800	9300	0.0 D	53 - 119
Benzo(a)pyrene	30	4800	6400	0.0 D	20 - 120
Benzo(b)fluoranthene	30	5800	8500	0.0 D	50 - 171
Benzo(g,h,i)perylene	30	1600	3600	0.0 D	50 - 150
Benzo(k)fluoranthene	30	1500	2700	0.0 D	32 - 158
Chrysene	30	3700	8200	0.0 D	34 - 140
Dibenzo(a,h)anthracene	30	930	1300	0.0 D	41 - 114
Fluoranthene	30	8500	16000	0.0 D	55 - 132
Fluorene	30	2400	1700	0.0 D	59 - 118
Indeno(1,2,3-cd)pyrene	30	1800	2900	0.0 D	19 - 122
Naphthalene	30	730	1100	0.0 D	59 - 111
Phenanthrene	30	7400	6200	0.0 D	54 - 112
Pyrene	30	4200	9800	0.0 D	55 - 123

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1-Methylnaphthalene	29	0	0.0 D		30	71 - 132
2-Methylnaphthalene	29	440	0.0 D	200.0 *	30	54 - 145
Acenaphthene	29	2200	0.0 D	12.6	30	57 - 119
Acenaphthylene	29	3400	0.0 D	33.4 *	30	54 - 115
Anthracene	29	13000	0.0 D	92.3 *	30	40 - 138
Benzo(a)anthracene	29	24000	0.0 D	89.6 *	30	53 - 119
Benzo(a)pyrene	29	15000	0.0 D	79.8 *	30	20 - 120
Benzo(b)fluoranthene	29	22000	0.0 D	86.9 *	30	50 - 171
Benzo(g,h,i)perylene	29	5800	0.0 D	48.2 *	30	50 - 150
Benzo(k)fluoranthene	29	6700	0.0 D	84.6 *	30	32 - 158
Chrysene	29	20000	0.0 D	84.1 *	30	34 - 140
Dibenzo(a,h)anthracene	29	2900	0.0 D	76.6 *	30	41 - 114
Fluoranthene	29	46000	0.0 D	97.4 *	30	55 - 132
Fluorene	29	3700	0.0 D	73.8 *	30	59 - 118
Indeno(1,2,3-cd)pyrene	29	6200	0.0 D	72.7 *	30	19 - 122
Naphthalene	29	1100	0.0 D	5.5	30	59 - 111
Phenanthrene	29	16000	0.0 D	86.4 *	30	54 - 112
Pyrene	29	29000	0.0 D	100.1 *	30	55 - 123

RPD: 15 out of 18 outside limits

Spike Recovery: 18 out of 18 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

100512 1504

DRAFT

8270 Semi-Volatile Organics

100512 1504

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8270D

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. The low calibration standard is 500 ug/Kg for the following analyte: Pentachlorophenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

The following samples had surrogates that were diluted out: EPAFMC-SD-02DL1 EPAFMC-SD-05 EPAFMC-SD-05DL1 EPAFMC-SD-06 EPAFMC-SD-06DL1

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

A client requested MS/SD set was analyzed. The MS and MSD were originally analyzed full, but some compounds were over the calibration range and the full runs are not reported. The MS and MSD were reanalyzed and are reported at a 2X dilution.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

MS - EPAFMC-SD-01MS was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 23.1 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Hexachlorocyclopentadiene at 0 % with criteria of (10-119) and the following analytes were recovered above criteria: 2-Methylnaphthalene at 213 % with criteria of (33-120), Acenaphthene at 198 % with criteria of (30-135), Anthracene at 264 % with criteria of (31-121), Benzo(a)anthracene at 184 % with criteria of (30-117), Benzo(a)pyrene at 152 % with criteria of (31-121), Benzo(b)fluoranthene at 152 % with criteria of (23-128), Bis(2-ethylhexyl)phthalate at 150 % with criteria of (32-138), Carbazole at 207 % with criteria of (34-133), Chrysene at 175 % with criteria of (32-115), Dibenzofuran at 204 % with criteria of (31-123), Fluoranthene at 349 % with criteria of (29-125), Fluorene at 223 % with criteria of (25-120), Naphthalene at 638 % with criteria of (29-119), Phenanthrene at 490 % with criteria of (28-121), Pyrene at 227 % with criteria of (31-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples extracted on 04/25/12. The following analytes were recovered below criteria: 2,4-Dimethylphenol at 24.4 % with criteria of (30-110), 2,4-Dinitrophenol at 0 % with criteria of (15-150), 4,6-Dinitro-2-methylphenol at 0 % with criteria of (40-130), Benzo(a)anthracene at 0 % with criteria of (30-117), Benzo(a)pyrene at 16.5 % with criteria of (31-121), Benzo(b)fluoranthene at 0 % with criteria of (23-128), Benzo(g,h,i)perylene at 26.5 % with criteria of (28-120), Benzo(k)fluoranthene at 11.7 % with criteria of (31-120), Chrysene at 0 % with criteria of (32-115), Fluoranthene at 0 % with criteria of (29-125), Hexachlorocyclopentadiene at 0 % with criteria of (10-119), Phenanthrene at 0 % with criteria of (28-121), Pyrene at 0 % with criteria of (31-125). The following analytes exceeded RPD criteria: 1,1'-Biphenyl at 51.5 % with criteria of (30), 2-Methylnaphthalene at 93.5 % with criteria of (30), Acenaphthene at 90.3 % with criteria of (30), Acenaphthylene at 38.1 % with criteria of (30), Anthracene at 62.1 % with criteria of (30), Benzo(a)anthracene at 52.2 % with criteria of (30), Benzo(a)pyrene at 47.9 % with criteria of (30), Benzo(b)fluoranthene at 44.9 % with criteria of (30), Benzo(g,h,i)perylene at 34 % with criteria of (30), Benzo(k)fluoranthene at 52.4 % with criteria of (30), Bis(2-ethylhexyl)phthalate at 67.2 % with criteria of (30), Carbazole at 67.4 % with criteria of (30), Chrysene at 59 % with criteria of (30), Dibenzofuran at 81.7 % with criteria of (30), Di-n-octylphthalate at 30.1 % with criteria of (30), Fluoranthene at 63 % with criteria of (30), Fluorene at 93.4 % with criteria of (30), Indeno(1,2,3-cd)pyrene at 32.4 % with criteria of (30), Naphthalene at 146.4 % with criteria of (30), Phenanthrene at 108.5 % with criteria of (30), Pyrene at 62 % with criteria of (30).

Samples coded accordingly.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

E. Internal Standards:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

Sample EPAFMC-SD-02 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds. A further dilution of 25X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Phenanthrene, Pyrene. Both diluted runs are reported.

Sample EPAFMC-SD-03 was unable to be analyzed full and was analyzed at a 5X dilution due to high concentration of target and non-target compounds.

Sample EPAFMC-SD-05 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Anthracene, Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-06 was unable to be analyzed full and was analyzed at a 50X dilution due to high concentration of target and non-target compounds. A further dilution of 250X was required due to high concentration of the following analytes: Fluoranthene, Naphthalene, Phenanthrene. Both full and diluted runs are reported.

Sample EPAFMC-SD-01 could only be brought to a final volume of 11mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 11mL final volume that is reported.

Sample EPAFMC-SD-05 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-05DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

Sample EPAFMC-SD-06DL1 could only be brought to a final volume of 14mL. It was attempted to bring the extract to a final volume of 1mL, however due to the nature of the sample Spectrum Analytical Inc. was unable to achieve a lower volume than the 14mL final volume that is reported.

CASE NARRATIVE
GC/MS SEMIVOLATILE ORGANICS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE:**
05/09/2012

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8270

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-05DL1	350583505DL1
EPAFMC-SD-06	350583506
EPAFMC-SD-06DL1	350583506DL1

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DRAFT

8270 Sample Data

100512 1504

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	839	U	839	3380
108-95-2	Phenol	814	U	814	16700
95-57-8	2-Chlorophenol	864	U	864	3380
108-60-1	2,2'-Oxybis(1-chloropropane)	2750	U	2750	3380
95-48-7	2-Methylphenol	1200	U	1200	3340
67-72-1	Hexachloroethane	626	U	626	3380
621-64-7	N-Nitroso-di-n-propylamine	764	U	764	3380
106-44-5	4-Methylphenol	739	U	739	3380
98-95-3	Nitrobenzene	751	U	751	3380
78-59-1	Isophorone	739	U	739	3380
88-75-5	2-Nitrophenol	902	U	902	3380
105-67-9	2,4-Dimethylphenol	714	U	714	3340
111-91-1	Bis(2-chloroethoxy)methane	714	U	714	3340
120-83-2	2,4-Dichlorophenol	939	U	939	3340
91-20-3	Naphthalene	801	U	801	3380
106-47-8	4-Chloroaniline	789	U	789	3380
91-57-6	2-Methylnaphthalene	726	U	726	3380
87-68-3	Hexachlorobutadiene	726	U	726	3380
59-50-7	4-Chloro-3-methylphenol	701	U	701	3380
77-47-4	Hexachlorocyclopentadiene	501	U	501	8350
88-06-2	2,4,6-Trichlorophenol	851	U	851	3340
95-95-4	2,4,5-Trichlorophenol	927	U	927	3340
91-58-7	2-Chloronaphthalene	835	U	835	3380
88-74-4	2-Nitroaniline	714	U	714	3380
208-96-8	Acenaphthylene	944	J	689	3380
131-11-3	Dimethylphthalate	739	U	739	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	626	U	626	3380
83-32-9	Acenaphthene	928	J	614	3380
99-09-2	3-Nitroaniline	1000	U	1000	3340
51-28-5	2,4-Dinitrophenol	2750	U	2750	16800
132-64-9	Dibenzofuran	676	U	676	3380
121-14-2	2,4-Dinitrotoluene	614	U	614	3380
100-02-7	4-Nitrophenol	664	U	664	8350
86-73-7	Fluorene	1230	J	639	3380
7005-72-3	4-Chlorophenyl-phenylether	639	U	639	3380
84-66-2	Diethylphthalate	639	U	639	3380
100-01-6	4-Nitroaniline	1100	U	1100	3340
534-52-1	4,6-Dinitro-2-methylphenol	3330	U	3330	3380
86-30-6	N-Nitrosodiphenylamine	789	U	789	3340
101-55-3	4-Bromophenyl-phenylether	614	U	614	3380
118-74-1	Hexachlorobenzene	664	U	664	3340
87-86-5	Pentachlorophenol	1660	U	1660	3380
85-01-8	Phenanthrene	6590		701	3380
120-12-7	Anthracene	2860	J	751	3380
84-74-2	Di-n-butylphthalate	551	U	551	3380
206-44-0	Fluoranthene	13700		601	3380
129-00-0	Pyrene	10600		1150	3380
85-68-7	Butylbenzylphthalate	789	U	789	3380
91-94-1	3,3'-Dichlorobenzidine	739	U	739	3380
56-55-3	Benzo(a)anthracene	7390		714	3380
218-01-9	Chrysene	7300		426	3340
117-81-7	Bis(2-ethylhexyl)phthalate	1040	U	1040	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501 Lab File ID: 83501.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 11 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1530

PercentSolids: 67.6 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC01 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	726	U	726	3380
205-99-2	Benzo(b)fluoranthene	7130		789	3380
207-08-9	Benzo(k)fluoranthene	3050	J	714	3380
50-32-8	Benzo(a)pyrene	4520		538	3380
193-39-5	Indeno(1,2,3-cd)pyrene	2070	J	651	3380
53-70-3	Dibenzo(a,h)anthracene	818	J	513	3380
191-24-2	Benzo(g,h,i)perylene	2220	J	501	3380
98-86-2	Acetophenone	1250	U	1250	3380
95-94-3	1,2,4,5-Tetrachlorobenzene	588	U	588	3380
86-74-8	Carbazole	676	U	676	3380
105-60-2	Caprolactam	1750	U	1750	3380
92-52-4	1,1'-Biphenyl	764	U	764	3380
1912-24-9	Atrazine	989	U	989	3380
100-52-7	Benzaldehyde	563	U	563	3380

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	328	U	328	1320
108-95-2	Phenol	318	U	318	6530
95-57-8	2-Chlorophenol	338	U	338	1320
108-60-1	2,2'-Oxybis(1-chloropropane)	1080	U	1080	1320
95-48-7	2-Methylphenol	470	U	470	1310
67-72-1	Hexachloroethane	245	U	245	1320
621-64-7	N-Nitroso-di-n-propylamine	299	U	299	1320
106-44-5	4-Methylphenol	289	U	289	1320
98-95-3	Nitrobenzene	294	U	294	1320
78-59-1	Isophorone	289	U	289	1320
88-75-5	2-Nitrophenol	353	U	353	1320
105-67-9	2,4-Dimethylphenol	279	U	279	1310
111-91-1	Bis(2-chloroethoxy)methane	279	U	279	1310
120-83-2	2,4-Dichlorophenol	367	U	367	1310
91-20-3	Naphthalene	2350		313	1320
106-47-8	4-Chloroaniline	308	U	308	1320
91-57-6	2-Methylnaphthalene	1720		284	1320
87-68-3	Hexachlorobutadiene	284	U	284	1320
59-50-7	4-Chloro-3-methylphenol	274	U	274	1320
77-47-4	Hexachlorocyclopentadiene	196	U	196	3270
88-06-2	2,4,6-Trichlorophenol	333	U	333	1310
95-95-4	2,4,5-Trichlorophenol	362	U	362	1310
91-58-7	2-Chloronaphthalene	327	U	327	1320
88-74-4	2-Nitroaniline	279	U	279	1320
208-96-8	Acenaphthylene	2810		269	1320
131-11-3	Dimethylphthalate	289	U	289	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	245	U	245	1320
83-32-9	Acenaphthene	8020		240	1320
99-09-2	3-Nitroaniline	392	U	392	1310
51-28-5	2,4-Dinitrophenol	1080	U	1080	6560
132-64-9	Dibenzofuran	4920		264	1320
121-14-2	2,4-Dinitrotoluene	240	U	240	1320
100-02-7	4-Nitrophenol	260	U	260	3270
86-73-7	Fluorene	11800		250	1320
7005-72-3	4-Chlorophenyl-phenylether	250	U	250	1320
84-66-2	Diethylphthalate	250	U	250	1320
100-01-6	4-Nitroaniline	431	U	431	1310
534-52-1	4,6-Dinitro-2-methylphenol	1300	U	1300	1320
86-30-6	N-Nitrosodiphenylamine	308	U	308	1310
101-55-3	4-Bromophenyl-phenylether	240	U	240	1320
118-74-1	Hexachlorobenzene	260	U	260	1310
87-86-5	Pentachlorophenol	651	U	651	1320
85-01-8	Phenanthrene	40900	E	274	1320
120-12-7	Anthracene	31100	E	294	1320
84-74-2	Di-n-butylphthalate	216	U	216	1320
206-44-0	Fluoranthene	42200	E	235	1320
129-00-0	Pyrene	28900	E	451	1320
85-68-7	Butylbenzylphthalate	308	U	308	1320
91-94-1	3,3'-Dichlorobenzidine	289	U	289	1320
56-55-3	Benzo(a)anthracene	19600		279	1320
218-01-9	Chrysene	20300		166	1310
117-81-7	Bis(2-ethylhexyl)phthalate	406	U	406	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 83502.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2021

PercentSolids: 80.7 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	284	U	284	1320
205-99-2	Benzo(b)fluoranthene	22500		308	1320
207-08-9	Benzo(k)fluoranthene	9520		279	1320
50-32-8	Benzo(a)pyrene	14500		211	1320
193-39-5	Indeno(1,2,3-cd)pyrene	4940		255	1320
53-70-3	Dibenzo(a,h)anthracene	2300		201	1320
191-24-2	Benzo(g,h,i)perylene	5060		196	1320
98-86-2	Acetophenone	490	U	490	1320
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	1320
86-74-8	Carbazole	6390		264	1320
105-60-2	Caprolactam	686	U	686	1320
92-52-4	1,1'-Biphenyl	645	J	299	1320
1912-24-9	Atrazine	387	U	387	1320
100-52-7	Benzaldehyde	220	U	220	1320

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	1640	U	1640	6610
108-95-2	Phenol	1590	U	1590	32700
95-57-8	2-Chlorophenol	1690	U	1690	6610
108-60-1	2,2'-Oxybis(1-chloropropane)	5390	U	5390	6610
95-48-7	2-Methylphenol	2350	U	2350	6540
67-72-1	Hexachloroethane	1220	U	1220	6610
621-64-7	N-Nitroso-di-n-propylamine	1490	U	1490	6610
106-44-5	4-Methylphenol	1440	U	1440	6610
98-95-3	Nitrobenzene	1470	U	1470	6610
78-59-1	Isophorone	1440	U	1440	6610
88-75-5	2-Nitrophenol	1760	U	1760	6610
105-67-9	2,4-Dimethylphenol	1400	U	1400	6540
111-91-1	Bis(2-chloroethoxy)methane	1400	U	1400	6540
120-83-2	2,4-Dichlorophenol	1840	U	1840	6540
91-20-3	Naphthalene	2150	J	1570	6610
106-47-8	4-Chloroaniline	1540	U	1540	6610
91-57-6	2-Methylnaphthalene	1460	J	1420	6610
87-68-3	Hexachlorobutadiene	1420	U	1420	6610
59-50-7	4-Chloro-3-methylphenol	1370	U	1370	6610
77-47-4	Hexachlorocyclopentadiene	980	U	980	16300
88-06-2	2,4,6-Trichlorophenol	1660	U	1660	6540
95-95-4	2,4,5-Trichlorophenol	1810	U	1810	6540
91-58-7	2-Chloronaphthalene	1630	U	1630	6610
88-74-4	2-Nitroaniline	1400	U	1400	6610
208-96-8	Acenaphthylene	2660	J	1350	6610
131-11-3	Dimethylphthalate	1440	U	1440	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	1220	U	1220	6610
83-32-9	Acenaphthene	7220		1200	6610
99-09-2	3-Nitroaniline	1960	U	1960	6540
51-28-5	2,4-Dinitrophenol	5390	U	5390	32800
132-64-9	Dibenzofuran	4670	J	1320	6610
121-14-2	2,4-Dinitrotoluene	1200	U	1200	6610
100-02-7	4-Nitrophenol	1300	U	1300	16300
86-73-7	Fluorene	10300		1250	6610
7005-72-3	4-Chlorophenyl-phenylether	1250	U	1250	6610
84-66-2	Diethylphthalate	1250	U	1250	6610
100-01-6	4-Nitroaniline	2160	U	2160	6540
534-52-1	4,6-Dinitro-2-methylphenol	6510	U	6510	6610
86-30-6	N-Nitrosodiphenylamine	1540	U	1540	6540
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	6610
118-74-1	Hexachlorobenzene	1300	U	1300	6540
87-86-5	Pentachlorophenol	3260	U	3260	6610
85-01-8	Phenanthrene	40900		1370	6610
120-12-7	Anthracene	28200		1470	6610
84-74-2	Di-n-butylphthalate	1080	U	1080	6610
206-44-0	Fluoranthene	44700		1180	6610
129-00-0	Pyrene	32800		2250	6610
85-68-7	Butylbenzylphthalate	1540	U	1540	6610
91-94-1	3,3'-Dichlorobenzidine	1440	U	1440	6610
56-55-3	Benzo(a)anthracene	22100		1400	6610
218-01-9	Chrysene	23700		833	6540
117-81-7	Bis(2-ethylhexyl)phthalate	2030	U	2030	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1 Lab File ID: 83502D25.D

Sample wt/vol: 25.3 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1736

PercentSolids: 80.7 decanted : Dilution Factor: 25

Extraction: OTHER Station ID: EPAFMC02 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	1420	U	1420	6610
205-99-2	Benzo(b)fluoranthene	20500		1540	6610
207-08-9	Benzo(k)fluoranthene	7620		1400	6610
50-32-8	Benzo(a)pyrene	13400		1050	6610
193-39-5	Indeno(1,2,3-cd)pyrene	5080	J	1270	6610
53-70-3	Dibenzo(a,h)anthracene	2160	J	1000	6610
191-24-2	Benzo(g,h,i)perylene	5270	J	980	6610
98-86-2	Acetophenone	2450	U	2450	6610
95-94-3	1,2,4,5-Tetrachlorobenzene	1150	U	1150	6610
86-74-8	Carbazole	6000	J	1320	6610
105-60-2	Caprolactam	3430	U	3430	6610
92-52-4	1,1'-Biphenyl	1490	U	1490	6610
1912-24-9	Atrazine	1930	U	1930	6610
100-52-7	Benzaldehyde	1100	U	1100	6610

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	144	U	144	581
108-95-2	Phenol	140	U	140	2870
95-57-8	2-Chlorophenol	148	U	148	581
108-60-1	2,2'-Oxybis(1-chloropropane)	473	U	473	581
95-48-7	2-Methylphenol	206	U	206	574
67-72-1	Hexachloroethane	108	U	108	581
621-64-7	N-Nitroso-di-n-propylamine	131	U	131	581
106-44-5	4-Methylphenol	127	U	127	581
98-95-3	Nitrobenzene	129	U	129	581
78-59-1	Isophorone	127	U	127	581
88-75-5	2-Nitrophenol	155	U	155	581
105-67-9	2,4-Dimethylphenol	123	U	123	574
111-91-1	Bis(2-chloroethoxy)methane	123	U	123	574
120-83-2	2,4-Dichlorophenol	161	U	161	574
91-20-3	Naphthalene	301	J	138	581
106-47-8	4-Chloroaniline	136	U	136	581
91-57-6	2-Methylnaphthalene	125	U	125	581
87-68-3	Hexachlorobutadiene	125	U	125	581
59-50-7	4-Chloro-3-methylphenol	120	U	120	581
77-47-4	Hexachlorocyclopentadiene	86.1	U	86.1	1440
88-06-2	2,4,6-Trichlorophenol	146	U	146	574
95-95-4	2,4,5-Trichlorophenol	159	U	159	574
91-58-7	2-Chloronaphthalene	144	U	144	581
88-74-4	2-Nitroaniline	123	U	123	581
208-96-8	Acenaphthylene	671		118	581
131-11-3	Dimethylphthalate	127	U	127	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	108	U	108	581
83-32-9	Acenaphthene	185	J	105	581
99-09-2	3-Nitroaniline	172	U	172	574
51-28-5	2,4-Dinitrophenol	473	U	473	2880
132-64-9	Dibenzofuran	128	J	116	581
121-14-2	2,4-Dinitrotoluene	105	U	105	581
100-02-7	4-Nitrophenol	114	U	114	1440
86-73-7	Fluorene	352	J	110	581
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	581
84-66-2	Diethylphthalate	110	U	110	581
100-01-6	4-Nitroaniline	189	U	189	574
534-52-1	4,6-Dinitro-2-methylphenol	572	U	572	581
86-30-6	N-Nitrosodiphenylamine	136	U	136	574
101-55-3	4-Bromophenyl-phenylether	105	U	105	581
118-74-1	Hexachlorobenzene	114	U	114	574
87-86-5	Pentachlorophenol	286	U	286	581
85-01-8	Phenanthrene	1930		120	581
120-12-7	Anthracene	1360		129	581
84-74-2	Di-n-butylphthalate	94.7	U	94.7	581
206-44-0	Fluoranthene	7610		103	581
129-00-0	Pyrene	5660		198	581
85-68-7	Butylbenzylphthalate	136	U	136	581
91-94-1	3,3'-Dichlorobenzidine	127	U	127	581
56-55-3	Benzo(a)anthracene	4580		123	581
218-01-9	Chrysene	4620		73.2	574
117-81-7	Bis(2-ethylhexyl)phthalate	179	U	179	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503 Lab File ID: 83503.D

Sample wt/vol: 25.05 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1958

PercentSolids: 74.2 decanted : Dilution Factor: 2

Extraction: OTHER Station ID: EPAFMC03 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	125	U	125	581
205-99-2	Benzo(b)fluoranthene	4860		136	581
207-08-9	Benzo(k)fluoranthene	2450		123	581
50-32-8	Benzo(a)pyrene	3370		92.5	581
193-39-5	Indeno(1,2,3-cd)pyrene	1310		112	581
53-70-3	Dibenzo(a,h)anthracene	557	J	88.2	581
191-24-2	Benzo(g,h,i)perylene	1300		86.1	581
98-86-2	Acetophenone	215	U	215	581
95-94-3	1,2,4,5-Tetrachlorobenzene	101	U	101	581
86-74-8	Carbazole	239	J	116	581
105-60-2	Caprolactam	301	U	301	581
92-52-4	1,1'-Biphenyl	131	U	131	581
1912-24-9	Atrazine	170	U	170	581
100-52-7	Benzaldehyde	96.8	U	96.8	581

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	85.7	U	85.7	345
108-95-2	Phenol	83.1	U	83.1	1700
95-57-8	2-Chlorophenol	88.2	U	88.2	345
108-60-1	2,2'-Oxybis(1-chloropropane)	281	U	281	345
95-48-7	2-Methylphenol	123	U	123	341
67-72-1	Hexachloroethane	63.9	U	63.9	345
621-64-7	N-Nitroso-di-n-propylamine	78	U	78	345
106-44-5	4-Methylphenol	75.4	U	75.4	345
98-95-3	Nitrobenzene	76.7	U	76.7	345
78-59-1	Isophorone	75.4	U	75.4	345
88-75-5	2-Nitrophenol	92	U	92	345
105-67-9	2,4-Dimethylphenol	72.9	U	72.9	341
111-91-1	Bis(2-chloroethoxy)methane	72.9	U	72.9	341
120-83-2	2,4-Dichlorophenol	95.9	U	95.9	341
91-20-3	Naphthalene	95.3	J	81.8	345
106-47-8	4-Chloroaniline	80.6	U	80.6	345
91-57-6	2-Methylnaphthalene	74.2	U	74.2	345
87-68-3	Hexachlorobutadiene	74.2	U	74.2	345
59-50-7	4-Chloro-3-methylphenol	71.6	U	71.6	345
77-47-4	Hexachlorocyclopentadiene	51.1	U	51.1	853
88-06-2	2,4,6-Trichlorophenol	86.9	U	86.9	341
95-95-4	2,4,5-Trichlorophenol	94.6	U	94.6	341
91-58-7	2-Chloronaphthalene	85.3	U	85.3	345
88-74-4	2-Nitroaniline	72.9	U	72.9	345
208-96-8	Acenaphthylene	161	J	70.3	345
131-11-3	Dimethylphthalate	75.4	U	75.4	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	63.9	U	63.9	345
83-32-9	Acenaphthene	62.6	U	62.6	345
99-09-2	3-Nitroaniline	102	U	102	341
51-28-5	2,4-Dinitrophenol	281	U	281	1710
132-64-9	Dibenzofuran	69	U	69	345
121-14-2	2,4-Dinitrotoluene	62.6	U	62.6	345
100-02-7	4-Nitrophenol	67.8	U	67.8	853
86-73-7	Fluorene	107	J	65.2	345
7005-72-3	4-Chlorophenyl-phenylether	65.2	U	65.2	345
84-66-2	Diethylphthalate	65.2	U	65.2	345
100-01-6	4-Nitroaniline	112	U	112	341
534-52-1	4,6-Dinitro-2-methylphenol	340	U	340	345
86-30-6	N-Nitrosodiphenylamine	80.6	U	80.6	341
101-55-3	4-Bromophenyl-phenylether	62.6	U	62.6	345
118-74-1	Hexachlorobenzene	67.8	U	67.8	341
87-86-5	Pentachlorophenol	170	U	170	345
85-01-8	Phenanthrene	1240		71.6	345
120-12-7	Anthracene	328	J	76.7	345
84-74-2	Di-n-butylphthalate	56.2	U	56.2	345
206-44-0	Fluoranthene	2370		61.4	345
129-00-0	Pyrene	1920		118	345
85-68-7	Butylbenzylphthalate	80.6	U	80.6	345
91-94-1	3,3'-Dichlorobenzidine	75.4	U	75.4	345
56-55-3	Benzo(a)anthracene	986		72.9	345
218-01-9	Chrysene	1000		43.5	341
117-81-7	Bis(2-ethylhexyl)phthalate	106	U	106	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 83504.D

Sample wt/vol: 25.23 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1642

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: OTHER Station ID: EPAFMC04 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	74.2	U	74.2	345
205-99-2	Benzo(b)fluoranthene	1130		80.6	345
207-08-9	Benzo(k)fluoranthene	478		72.9	345
50-32-8	Benzo(a)pyrene	759		55	345
193-39-5	Indeno(1,2,3-cd)pyrene	386		66.5	345
53-70-3	Dibenzo(a,h)anthracene	120	J	52.4	345
191-24-2	Benzo(g,h,i)perylene	467		51.1	345
98-86-2	Acetophenone	128	U	128	345
95-94-3	1,2,4,5-Tetrachlorobenzene	60.1	U	60.1	345
86-74-8	Carbazole	69	U	69	345
105-60-2	Caprolactam	179	U	179	345
92-52-4	1,1'-Biphenyl	78	U	78	345
1912-24-9	Atrazine	101	U	101	345
100-52-7	Benzaldehyde	57.5	U	57.5	345

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	47100	U	47100	190000
108-95-2	Phenol	45700	U	45700	938000
95-57-8	2-Chlorophenol	48500	U	48500	190000
108-60-1	2,2'-Oxybis(1-chloropropane)	155000	U	155000	190000
95-48-7	2-Methylphenol	67500	U	67500	188000
67-72-1	Hexachloroethane	35100	U	35100	190000
621-64-7	N-Nitroso-di-n-propylamine	42900	U	42900	190000
106-44-5	4-Methylphenol	41500	U	41500	190000
98-95-3	Nitrobenzene	42200	U	42200	190000
78-59-1	Isophorone	41500	U	41500	190000
88-75-5	2-Nitrophenol	50600	U	50600	190000
105-67-9	2,4-Dimethylphenol	40100	U	40100	188000
111-91-1	Bis(2-chloroethoxy)methane	40100	U	40100	188000
120-83-2	2,4-Dichlorophenol	52700	U	52700	188000
91-20-3	Naphthalene	7310000	E	45000	190000
106-47-8	4-Chloroaniline	44300	U	44300	190000
91-57-6	2-Methylnaphthalene	2180000		40800	190000
87-68-3	Hexachlorobutadiene	40800	U	40800	190000
59-50-7	4-Chloro-3-methylphenol	39400	U	39400	190000
77-47-4	Hexachlorocyclopentadiene	28100	U	28100	469000
88-06-2	2,4,6-Trichlorophenol	47800	U	47800	188000
95-95-4	2,4,5-Trichlorophenol	52000	U	52000	188000
91-58-7	2-Chloronaphthalene	46900	U	46900	190000
88-74-4	2-Nitroaniline	40100	U	40100	190000
208-96-8	Acenaphthylene	309000		38600	190000
131-11-3	Dimethylphthalate	41500	U	41500	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	35100	U	35100	190000
83-32-9	Acenaphthene	2320000		34400	190000
99-09-2	3-Nitroaniline	56200	U	56200	188000
51-28-5	2,4-Dinitrophenol	155000	U	155000	942000
132-64-9	Dibenzofuran	1610000		38000	190000
121-14-2	2,4-Dinitrotoluene	34400	U	34400	190000
100-02-7	4-Nitrophenol	37200	U	37200	469000
86-73-7	Fluorene	2610000		35800	190000
7005-72-3	4-Chlorophenyl-phenylether	35800	U	35800	190000
84-66-2	Diethylphthalate	35800	U	35800	190000
100-01-6	4-Nitroaniline	61800	U	61800	188000
534-52-1	4,6-Dinitro-2-methylphenol	187000	U	187000	190000
86-30-6	N-Nitrosodiphenylamine	44300	U	44300	188000
101-55-3	4-Bromophenyl-phenylether	34400	U	34400	190000
118-74-1	Hexachlorobenzene	37200	U	37200	188000
87-86-5	Pentachlorophenol	93500	U	93500	190000
85-01-8	Phenanthrene	5960000	E	39400	190000
120-12-7	Anthracene	3680000	E	42200	190000
84-74-2	Di-n-butylphthalate	30900	U	30900	190000
206-44-0	Fluoranthene	4100000	E	33700	190000
129-00-0	Pyrene	2700000		64700	190000
85-68-7	Butylbenzylphthalate	44300	U	44300	190000
91-94-1	3,3'-Dichlorobenzidine	41500	U	41500	190000
56-55-3	Benzo(a)anthracene	1740000		40100	190000
218-01-9	Chrysene	1920000		23900	188000
117-81-7	Bis(2-ethylhexyl)phthalate	58300	U	58300	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505 Lab File ID: 83505.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2045

PercentSolids: 78.2 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	40800	U	40800	190000
205-99-2	Benzo(b)fluoranthene	1470000		44300	190000
207-08-9	Benzo(k)fluoranthene	777000		40100	190000
50-32-8	Benzo(a)pyrene	1050000		30200	190000
193-39-5	Indeno(1,2,3-cd)pyrene	367000		36600	190000
53-70-3	Dibenzo(a,h)anthracene	168000	J	28800	190000
191-24-2	Benzo(g,h,i)perylene	369000		28100	190000
98-86-2	Acetophenone	70300	U	70300	190000
95-94-3	1,2,4,5-Tetrachlorobenzene	33000	U	33000	190000
86-74-8	Carbazole	1640000		38000	190000
105-60-2	Caprolactam	98400	U	98400	190000
92-52-4	1,1'-Biphenyl	317000		42900	190000
1912-24-9	Atrazine	55500	U	55500	190000
100-52-7	Benzaldehyde	31600	U	31600	190000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	235000	U	235000	949000
108-95-2	Phenol	228000	U	228000	4690000
95-57-8	2-Chlorophenol	242000	U	242000	949000
108-60-1	2,2'-Oxybis(1-chloropropane)	773000	U	773000	949000
95-48-7	2-Methylphenol	337000	U	337000	938000
67-72-1	Hexachloroethane	176000	U	176000	949000
621-64-7	N-Nitroso-di-n-propylamine	214000	U	214000	949000
106-44-5	4-Methylphenol	207000	U	207000	949000
98-95-3	Nitrobenzene	211000	U	211000	949000
78-59-1	Isophorone	207000	U	207000	949000
88-75-5	2-Nitrophenol	253000	U	253000	949000
105-67-9	2,4-Dimethylphenol	200000	U	200000	938000
111-91-1	Bis(2-chloroethoxy)methane	200000	U	200000	938000
120-83-2	2,4-Dichlorophenol	264000	U	264000	938000
91-20-3	Naphthalene	11900000		225000	949000
106-47-8	4-Chloroaniline	221000	U	221000	949000
91-57-6	2-Methylnaphthalene	2950000		204000	949000
87-68-3	Hexachlorobutadiene	204000	U	204000	949000
59-50-7	4-Chloro-3-methylphenol	197000	U	197000	949000
77-47-4	Hexachlorocyclopentadiene	140000	U	140000	2340000
88-06-2	2,4,6-Trichlorophenol	239000	U	239000	938000
95-95-4	2,4,5-Trichlorophenol	260000	U	260000	938000
91-58-7	2-Chloronaphthalene	234000	U	234000	949000
88-74-4	2-Nitroaniline	200000	U	200000	949000
208-96-8	Acenaphthylene	193000	U	193000	949000
131-11-3	Dimethylphthalate	207000	U	207000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	176000	U	176000	949000
83-32-9	Acenaphthene	3020000		172000	949000
99-09-2	3-Nitroaniline	281000	U	281000	938000
51-28-5	2,4-Dinitrophenol	773000	U	773000	4710000
132-64-9	Dibenzofuran	2180000		190000	949000
121-14-2	2,4-Dinitrotoluene	172000	U	172000	949000
100-02-7	4-Nitrophenol	186000	U	186000	2340000
86-73-7	Fluorene	3380000		179000	949000
7005-72-3	4-Chlorophenyl-phenylether	179000	U	179000	949000
84-66-2	Diethylphthalate	179000	U	179000	949000
100-01-6	4-Nitroaniline	309000	U	309000	938000
534-52-1	4,6-Dinitro-2-methylphenol	935000	U	935000	949000
86-30-6	N-Nitrosodiphenylamine	221000	U	221000	938000
101-55-3	4-Bromophenyl-phenylether	172000	U	172000	949000
118-74-1	Hexachlorobenzene	186000	U	186000	938000
87-86-5	Pentachlorophenol	467000	U	467000	949000
85-01-8	Phenanthrene	10200000		197000	949000
120-12-7	Anthracene	5220000		211000	949000
84-74-2	Di-n-butylphthalate	155000	U	155000	949000
206-44-0	Fluoranthene	6260000		169000	949000
129-00-0	Pyrene	4180000		323000	949000
85-68-7	Butylbenzylphthalate	221000	U	221000	949000
91-94-1	3,3'-Dichlorobenzidine	207000	U	207000	949000
56-55-3	Benzo(a)anthracene	2670000		200000	949000
218-01-9	Chrysene	3100000		119000	938000
117-81-7	Bis(2-ethylhexyl)phthalate	292000	U	292000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-05DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505DL1 Lab File ID: 83505DQ.D

Sample wt/vol: 25.47 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1847

PercentSolids: 78.2 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	204000	U	204000	949000
205-99-2	Benzo(b)fluoranthene	2050000		221000	949000
207-08-9	Benzo(k)fluoranthene	948000	J	200000	949000
50-32-8	Benzo(a)pyrene	1460000		151000	949000
193-39-5	Indeno(1,2,3-cd)pyrene	578000	J	183000	949000
53-70-3	Dibenzo(a,h)anthracene	269000	J	144000	949000
191-24-2	Benzo(g,h,i)perylene	575000	J	140000	949000
98-86-2	Acetophenone	351000	U	351000	949000
95-94-3	1,2,4,5-Tetrachlorobenzene	165000	U	165000	949000
86-74-8	Carbazole	2280000		190000	949000
105-60-2	Caprolactam	492000	U	492000	949000
92-52-4	1,1'-Biphenyl	450000	J	214000	949000
1912-24-9	Atrazine	278000	U	278000	949000
100-52-7	Benzaldehyde	158000	U	158000	949000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	54100	U	54100	218000
108-95-2	Phenol	52500	U	52500	1080000
95-57-8	2-Chlorophenol	55700	U	55700	218000
108-60-1	2,2'-Oxybis(1-chloropropane)	178000	U	178000	218000
95-48-7	2-Methylphenol	77500	U	77500	216000
67-72-1	Hexachloroethane	40400	U	40400	218000
621-64-7	N-Nitroso-di-n-propylamine	49300	U	49300	218000
106-44-5	4-Methylphenol	47600	U	47600	218000
98-95-3	Nitrobenzene	48400	U	48400	218000
78-59-1	Isophorone	47600	U	47600	218000
88-75-5	2-Nitrophenol	58100	U	58100	218000
105-67-9	2,4-Dimethylphenol	46000	U	46000	216000
111-91-1	Bis(2-chloroethoxy)methane	46000	U	46000	216000
120-83-2	2,4-Dichlorophenol	60600	U	60600	216000
91-20-3	Naphthalene	7120000	E	51700	218000
106-47-8	4-Chloroaniline	50900	U	50900	218000
91-57-6	2-Methylnaphthalene	2040000		46800	218000
87-68-3	Hexachlorobutadiene	46800	U	46800	218000
59-50-7	4-Chloro-3-methylphenol	45200	U	45200	218000
77-47-4	Hexachlorocyclopentadiene	32300	U	32300	539000
88-06-2	2,4,6-Trichlorophenol	54900	U	54900	216000
95-95-4	2,4,5-Trichlorophenol	59800	U	59800	216000
91-58-7	2-Chloronaphthalene	53900	U	53900	218000
88-74-4	2-Nitroaniline	46000	U	46000	218000
208-96-8	Acenaphthylene	364000		44400	218000
131-11-3	Dimethylphthalate	47600	U	47600	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	40400	U	40400	218000
83-32-9	Acenaphthene	2480000		39600	218000
99-09-2	3-Nitroaniline	64600	U	64600	216000
51-28-5	2,4-Dinitrophenol	178000	U	178000	1080000
132-64-9	Dibenzofuran	1630000		43600	218000
121-14-2	2,4-Dinitrotoluene	39600	U	39600	218000
100-02-7	4-Nitrophenol	42800	U	42800	539000
86-73-7	Fluorene	2690000		41200	218000
7005-72-3	4-Chlorophenyl-phenylether	41200	U	41200	218000
84-66-2	Diethylphthalate	41200	U	41200	218000
100-01-6	4-Nitroaniline	71100	U	71100	216000
534-52-1	4,6-Dinitro-2-methylphenol	215000	U	215000	218000
86-30-6	N-Nitrosodiphenylamine	50900	U	50900	216000
101-55-3	4-Bromophenyl-phenylether	39600	U	39600	218000
118-74-1	Hexachlorobenzene	42800	U	42800	216000
87-86-5	Pentachlorophenol	107000	U	107000	218000
85-01-8	Phenanthrene	6610000	E	45200	218000
120-12-7	Anthracene	3200000		48400	218000
84-74-2	Di-n-butylphthalate	35500	U	35500	218000
206-44-0	Fluoranthene	4570000	E	38800	218000
129-00-0	Pyrene	3030000		74300	218000
85-68-7	Butylbenzylphthalate	50900	U	50900	218000
91-94-1	3,3'-Dichlorobenzidine	47600	U	47600	218000
56-55-3	Benzo(a)anthracene	1950000		46000	218000
218-01-9	Chrysene	1970000		27400	216000
117-81-7	Bis(2-ethylhexyl)phthalate	67000	U	67000	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506 Lab File ID: 83506.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 2108

PercentSolids: 66.7 decanted : Dilution Factor: 50

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	46800	U	46800	218000
205-99-2	Benzo(b)fluoranthene	1800000		50900	218000
207-08-9	Benzo(k)fluoranthene	794000		46000	218000
50-32-8	Benzo(a)pyrene	1230000		34700	218000
193-39-5	Indeno(1,2,3-cd)pyrene	410000		42000	218000
53-70-3	Dibenzo(a,h)anthracene	189000	J	33100	218000
191-24-2	Benzo(g,h,i)perylene	418000		32300	218000
98-86-2	Acetophenone	80800	U	80800	218000
95-94-3	1,2,4,5-Tetrachlorobenzene	38000	U	38000	218000
86-74-8	Carbazole	1370000		43600	218000
105-60-2	Caprolactam	113000	U	113000	218000
92-52-4	1,1'-Biphenyl	330000		49300	218000
1912-24-9	Atrazine	63800	U	63800	218000
100-52-7	Benzaldehyde	36300	U	36300	218000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	270000	U	270000	1090000
108-95-2	Phenol	262000	U	262000	5390000
95-57-8	2-Chlorophenol	279000	U	279000	1090000
108-60-1	2,2'-Oxybis(1-chloropropane)	888000	U	888000	1090000
95-48-7	2-Methylphenol	388000	U	388000	1080000
67-72-1	Hexachloroethane	202000	U	202000	1090000
621-64-7	N-Nitroso-di-n-propylamine	246000	U	246000	1090000
106-44-5	4-Methylphenol	238000	U	238000	1090000
98-95-3	Nitrobenzene	242000	U	242000	1090000
78-59-1	Isophorone	238000	U	238000	1090000
88-75-5	2-Nitrophenol	291000	U	291000	1090000
105-67-9	2,4-Dimethylphenol	230000	U	230000	1080000
111-91-1	Bis(2-chloroethoxy)methane	230000	U	230000	1080000
120-83-2	2,4-Dichlorophenol	303000	U	303000	1080000
91-20-3	Naphthalene	11700000		258000	1090000
106-47-8	4-Chloroaniline	254000	U	254000	1090000
91-57-6	2-Methylnaphthalene	2950000		234000	1090000
87-68-3	Hexachlorobutadiene	234000	U	234000	1090000
59-50-7	4-Chloro-3-methylphenol	226000	U	226000	1090000
77-47-4	Hexachlorocyclopentadiene	162000	U	162000	2690000
88-06-2	2,4,6-Trichlorophenol	274000	U	274000	1080000
95-95-4	2,4,5-Trichlorophenol	299000	U	299000	1080000
91-58-7	2-Chloronaphthalene	269000	U	269000	1090000
88-74-4	2-Nitroaniline	230000	U	230000	1090000
208-96-8	Acenaphthylene	558000	J	222000	1090000
131-11-3	Dimethylphthalate	238000	U	238000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	202000	U	202000	1090000
83-32-9	Acenaphthene	3240000		198000	1090000
99-09-2	3-Nitroaniline	323000	U	323000	1080000
51-28-5	2,4-Dinitrophenol	888000	U	888000	5410000
132-64-9	Dibenzofuran	2380000		218000	1090000
121-14-2	2,4-Dinitrotoluene	198000	U	198000	1090000
100-02-7	4-Nitrophenol	214000	U	214000	2690000
86-73-7	Fluorene	3680000		206000	1090000
7005-72-3	4-Chlorophenyl-phenylether	206000	U	206000	1090000
84-66-2	Diethylphthalate	206000	U	206000	1090000
100-01-6	4-Nitroaniline	355000	U	355000	1080000
534-52-1	4,6-Dinitro-2-methylphenol	1070000	U	1070000	1090000
86-30-6	N-Nitrosodiphenylamine	254000	U	254000	1080000
101-55-3	4-Bromophenyl-phenylether	198000	U	198000	1090000
118-74-1	Hexachlorobenzene	214000	U	214000	1080000
87-86-5	Pentachlorophenol	537000	U	537000	1090000
85-01-8	Phenanthrene	11600000		226000	1090000
120-12-7	Anthracene	4750000		242000	1090000
84-74-2	Di-n-butylphthalate	178000	U	178000	1090000
206-44-0	Fluoranthene	7300000		194000	1090000
129-00-0	Pyrene	4950000		371000	1090000
85-68-7	Butylbenzylphthalate	254000	U	254000	1090000
91-94-1	3,3'-Dichlorobenzidine	238000	U	238000	1090000
56-55-3	Benzo(a)anthracene	3210000		230000	1090000
218-01-9	Chrysene	3190000		137000	1080000
117-81-7	Bis(2-ethylhexyl)phthalate	335000	U	335000	1090000

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-06DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506DL1 Lab File ID: 83506DQ.D

Sample wt/vol: 25.99 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 14 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1823

PercentSolids: 66.7 decanted : Dilution Factor: 250

Extraction: OTHER Station ID: EPAFMC05 Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-84-0	Di-n-octylphthalate	234000	U	234000	1090000
205-99-2	Benzo(b)fluoranthene	2520000		254000	1090000
207-08-9	Benzo(k)fluoranthene	1200000		230000	1090000
50-32-8	Benzo(a)pyrene	1770000		174000	1090000
193-39-5	Indeno(1,2,3-cd)pyrene	609000	J	210000	1090000
53-70-3	Dibenzo(a,h)anthracene	297000	J	166000	1090000
191-24-2	Benzo(g,h,i)perylene	618000	J	162000	1090000
98-86-2	Acetophenone	404000	U	404000	1090000
95-94-3	1,2,4,5-Tetrachlorobenzene	190000	U	190000	1090000
86-74-8	Carbazole	2070000		218000	1090000
105-60-2	Caprolactam	565000	U	565000	1090000
92-52-4	1,1'-Biphenyl	501000	J	246000	1090000
1912-24-9	Atrazine	319000	U	319000	1090000
100-52-7	Benzaldehyde	182000	U	182000	1090000

DRAFT

8270 QC Summary

100512 1504

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	66.6	U	66.6	268
108-95-2	Phenol	64.6	U	64.6	1330
95-57-8	2-Chlorophenol	68.6	U	68.6	268
108-60-1	2,2'-Oxybis(1-chloropropane)	219	U	219	268
95-48-7	2-Methylphenol	95.5	U	95.5	266
67-72-1	Hexachloroethane	49.7	U	49.7	268
621-64-7	N-Nitroso-di-n-propylamine	60.7	U	60.7	268
106-44-5	4-Methylphenol	58.7	U	58.7	268
98-95-3	Nitrobenzene	59.7	U	59.7	268
78-59-1	Isophorone	58.7	U	58.7	268
88-75-5	2-Nitrophenol	71.6	U	71.6	268
105-67-9	2,4-Dimethylphenol	56.7	U	56.7	266
111-91-1	Bis(2-chloroethoxy)methane	56.7	U	56.7	266
120-83-2	2,4-Dichlorophenol	74.6	U	74.6	266
91-20-3	Naphthalene	63.6	U	63.6	268
106-47-8	4-Chloroaniline	62.6	U	62.6	268
91-57-6	2-Methylnaphthalene	57.7	U	57.7	268
87-68-3	Hexachlorobutadiene	57.7	U	57.7	268
59-50-7	4-Chloro-3-methylphenol	55.7	U	55.7	268
77-47-4	Hexachlorocyclopentadiene	39.8	U	39.8	663
88-06-2	2,4,6-Trichlorophenol	67.6	U	67.6	266
95-95-4	2,4,5-Trichlorophenol	73.6	U	73.6	266
91-58-7	2-Chloronaphthalene	66.3	U	66.3	268
88-74-4	2-Nitroaniline	56.7	U	56.7	268
208-96-8	Acenaphthylene	54.7	U	54.7	268
131-11-3	Dimethylphthalate	58.7	U	58.7	268
606-20-2	2,6-Dinitrotoluene	49.7	U	49.7	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
83-32-9	Acenaphthene	48.7	U	48.7	268
99-09-2	3-Nitroaniline	79.6	U	79.6	266
51-28-5	2,4-Dinitrophenol	219	U	219	1330
132-64-9	Dibenzofuran	53.7	U	53.7	268
121-14-2	2,4-Dinitrotoluene	48.7	U	48.7	268
100-02-7	4-Nitrophenol	52.7	U	52.7	663
86-73-7	Fluorene	50.7	U	50.7	268
7005-72-3	4-Chlorophenyl-phenylether	50.7	U	50.7	268
84-66-2	Diethylphthalate	50.7	U	50.7	268
100-01-6	4-Nitroaniline	87.5	U	87.5	266
534-52-1	4,6-Dinitro-2-methylphenol	264	U	264	268
86-30-6	N-Nitrosodiphenylamine	62.6	U	62.6	266
101-55-3	4-Bromophenyl-phenylether	48.7	U	48.7	268
118-74-1	Hexachlorobenzene	52.7	U	52.7	266
87-86-5	Pentachlorophenol	132	U	132	268
85-01-8	Phenanthrene	55.7	U	55.7	268
120-12-7	Anthracene	59.7	U	59.7	268
84-74-2	Di-n-butylphthalate	43.8	U	43.8	268
206-44-0	Fluoranthene	47.7	U	47.7	268
129-00-0	Pyrene	91.5	U	91.5	268
85-68-7	Butylbenzylphthalate	62.6	U	62.6	268
91-94-1	3,3'-Dichlorobenzidine	58.7	U	58.7	268
56-55-3	Benzo(a)anthracene	56.7	U	56.7	268
218-01-9	Chrysene	33.8	U	33.8	266
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	82.5	268
117-84-0	Di-n-octylphthalate	57.7	U	57.7	268
205-99-2	Benzo(b)fluoranthene	62.6	U	62.6	268

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127239MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127239MB Lab File ID: 9188MB.D

Sample wt/vol: 20.11 Units: G Date Received: 04/25/12

Concentrated Extract Volume: 1 Date Extracted: 04/25/12

Level:(low/med) LOW Date Analyzed: 04/26/12 Time: 1219

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
207-08-9	Benzo(k)fluoranthene	56.7	U	56.7	268
50-32-8	Benzo(a)pyrene	42.8	U	42.8	268
193-39-5	Indeno(1,2,3-cd)pyrene	51.7	U	51.7	268
53-70-3	Dibenzo(a,h)anthracene	40.8	U	40.8	268
191-24-2	Benzo(g,h,i)perylene	39.8	U	39.8	268
98-86-2	Acetophenone	99.4	U	99.4	268
95-94-3	1,2,4,5-Tetrachlorobenzene	46.7	U	46.7	268
86-74-8	Carbazole	53.7	U	53.7	268
105-60-2	Caprolactam	139	U	139	268
92-52-4	1,1'-Biphenyl	60.7	U	60.7	268
1912-24-9	Atrazine	78.6	U	78.6	268
100-52-7	Benzaldehyde	44.8	U	44.8	268

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): HPMS-5 ID: 0.25 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127239MB	77.9	82.7	83.5	77.9	104.0	105.0	0
127240LCS	94.3	98.0	94.3	92.6	112.0	96.7	0
EPAFMC-SD-01	45.0	49.6	52.5	51.4	56.9	68.7	0
EPAFMC-SD-01MS	69.2	69.9	72.4	70.6	72.0	80.8	0
EPAFMC-SD-01SD	57.0	57.5	61.3	55.7	56.1	58.9	0
EPAFMC-SD-02	44.1	48.8	52.2	50.6	59.0	58.4	0
EPAFMC-SD-02DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-03	44.8	47.2	46.1	43.5	52.8	46.1	0
EPAFMC-SD-04	47.4	56.0	52.8	44.4	67.9	72.2	0
EPAFMC-SD-05	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-05DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0
EPAFMC-SD-06DL1	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0.0 D	0

Control Limits

S1	= 2-Fluorophenol	25 -	121
S2	= Phenol-d5	24 -	113
S3	= Nitrobenzene-d5	23 -	120
S4	= 2-Fluorobiphenyl	30 -	115
S5	= 2,4,6-Tribromophenol	19 -	122
S6	= p-Terphenyl-d14	18 -	137

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	1950	2020	104.0			58 - 124
Phenol	1950	1750	89.7			39 - 127
2-Chlorophenol	1950	1760	90.3			42 - 113
2,2'-Oxybis(1-chloropropane)	1950	1760	90.3			42 - 139
2-Methylphenol	1950	1670	85.6			55 - 112
Hexachloroethane	1950	1680	86.2			51 - 120
N-Nitroso-di-n-propylamine	1950	2300	118.0			58 - 121
4-Methylphenol	1950	2230	114.0			48 - 127
Nitrobenzene	1950	1700	87.2			56 - 114
Isophorone	1950	2240	115.0			75 - 135
2-Nitrophenol	1950	1830	93.8			50 - 110
2,4-Dimethylphenol	1950	1870	95.9			43 - 125
Bis(2-chloroethoxy)methane	1950	1920	98.5			67 - 117
2,4-Dichlorophenol	1950	1730	88.7			50 - 120
Naphthalene	1950	1830	93.8			54 - 123
4-Chloroaniline	1950	1840	94.4			15 - 110
2-Methylnaphthalene	1950	1820	93.3			63 - 118
Hexachlorobutadiene	1950	1910	97.9			64 - 114
4-Chloro-3-methylphenol	1950	1880	96.4			48 - 114
Hexachlorocyclopentadiene	1950	1580	81.0			33 - 113
2,4,6-Trichlorophenol	1950	1800	92.3			49 - 120
2,4,5-Trichlorophenol	1950	1800	92.3			69 - 110
2-Chloronaphthalene	1950	1740	89.2			67 - 120
2-Nitroaniline	1950	2060	106.0			52 - 133
Acenaphthylene	1950	1800	92.3			57 - 123
Dimethylphthalate	1950	1880	96.4			72 - 116
2,6-Dinitrotoluene	1950	1800	92.3			63 - 120
Acenaphthene	1950	1720	88.2			61 - 112
3-Nitroaniline	1950	1840	94.4			62 - 119
2,4-Dinitrophenol	3900	2890	74.1			15 - 150
Dibenzofuran	1950	1800	92.3			64 - 120
2,4-Dinitrotoluene	1950	1860	95.4			64 - 113

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

100512 1504

Form III

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	1950	2140	110.0			10 - 162
Fluorene	1950	1870	95.9			57 - 118
4-Chlorophenyl-phenylether	1950	1840	94.4			69 - 120
Diethylphthalate	1950	1970	101.0			63 - 126
4-Nitroaniline	1950	2110	108.0			61 - 123
4,6-Dinitro-2-methylphenol	1950	1500	76.9			31 - 120
N-Nitrosodiphenylamine	1950	1770	90.8			72 - 122
4-Bromophenyl-phenylether	1950	1770	90.8			72 - 111
Hexachlorobenzene	1950	1640	84.1			66 - 110
Pentachlorophenol	1950	2160	111.0			25 - 138
Phenanthrene	1950	1760	90.3			61 - 118
Anthracene	1950	1770	90.8			65 - 118
Di-n-butylphthalate	1950	1900	97.4			72 - 122
Fluoranthene	1950	1890	96.9			66 - 119
Pyrene	1950	1820	93.3			62 - 117
Butylbenzylphthalate	1950	2020	104.0			69 - 127
3,3'-Dichlorobenzidine	3900	2980	76.4			20 - 110
Benzo(a)anthracene	1950	1990	102.0			66 - 120
Chrysene	1950	1840	94.4			64 - 113
Bis(2-ethylhexyl)phthalate	1950	2080	107.0			68 - 126
Di-n-octylphthalate	1950	2150	110.0			69 - 131
Benzo(b)fluoranthene	1950	2210	113.0			61 - 114
Benzo(k)fluoranthene	1950	1980	102.0			61 - 121
Benzo(a)pyrene	1950	1900	97.4			66 - 111
Indeno(1,2,3-cd)pyrene	1950	1850	94.9			52 - 120
Dibenzo(a,h)anthracene	1950	1860	95.4			53 - 120
Benzo(g,h,i)perylene	1950	1800	92.3			55 - 122
Acetophenone	3900	3820	97.9			32 - 114
1,2,4,5-Tetrachlorobenzene	1950	1750	89.7			51 - 110
Carbazole	1950	1950	100.0			66 - 125
Caprolactam	1950	1780	91.3			10 - 150
1,1'-Biphenyl	1950	1590	81.5			10 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

100512 1504

Form III

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127240LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Atrazine	1950	1570	80.5			10 - 191
Benzaldehyde	1950	1460	74.9			10 - 158

Spike Recovery: 0 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

100512 1504

Form III

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	0	2100	90.8	30 - 126
Phenol	2300	0	1700	76.0	30 - 129
2-Chlorophenol	2300	0	1700	74.2	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	0	1800	76.9	20 - 123
2-Methylphenol	2300	0	1200	52.0	27 - 117
Hexachloroethane	2300	0	1000	45.0	24 - 120
N-Nitroso-di-n-propylamine	2300	0	2000	89.5	22 - 128
4-Methylphenol	2300	0	1200	54.1	30 - 150
Nitrobenzene	2300	0	1800	78.6	14 - 129
Isophorone	2300	0	2300	102.0	35 - 144
2-Nitrophenol	2300	0	1600	71.2	14 - 113
2,4-Dimethylphenol	2300	0	530	23.1*	30 - 110
Bis(2-chloroethoxy)methane	2300	0	1900	81.7	31 - 126
2,4-Dichlorophenol	2300	0	1600	68.1	18 - 115
Naphthalene	2300	0	15000	638.0*	29 - 119
4-Chloroaniline	2300	0	1400	60.7	30 - 143
2-Methylnaphthalene	2300	0	4900	213.0*	33 - 120
Hexachlorobutadiene	2300	0	1800	77.7	32 - 120
4-Chloro-3-methylphenol	2300	0	1800	79.0	30 - 123
Hexachlorocyclopentadiene	2300	0	0	0.0*	10 - 119
2,4,6-Trichlorophenol	2300	0	1900	81.7	14 - 118
2,4,5-Trichlorophenol	2300	0	1700	76.0	29 - 125
2-Chloronaphthalene	2300	0	1800	79.5	31 - 118
2-Nitroaniline	2300	0	2000	88.6	22 - 134
Acenaphthylene	2300	940	3300	105.0	26 - 123
Dimethylphthalate	2300	0	2000	87.8	33 - 127
2,6-Dinitrotoluene	2300	0	1900	84.7	26 - 123
Acenaphthene	2300	930	5500	198.0*	30 - 135
3-Nitroaniline	2300	0	2000	87.8	20 - 125
2,4-Dinitrophenol	4600	0	0	0.0*	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Dibenzofuran	2300	0	4700	204.0*	31 - 123
2,4-Dinitrotoluene	2300	0	2000	86.5	17 - 127
4-Nitrophenol	2300	0	1600	67.7	30 - 135
Fluorene	2300	1200	6300	223.0*	25 - 120
4-Chlorophenyl-phenylether	2300	0	1800	76.9	10 - 119
Diethylphthalate	2300	0	2100	90.0	30 - 127
4-Nitroaniline	2300	0	2300	98.7	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0	0.0*	40 - 130
N-Nitrosodiphenylamine	2300	0	1400	61.6	31 - 137
4-Bromophenyl-phenylether	2300	0	1700	75.5	31 - 129
Hexachlorobenzene	2300	0	1700	74.2	30 - 118
Pentachlorophenol	2300	0	1300	57.2	30 - 113
Phenanthrene	2300	6600	18000	490.0*	28 - 121
Anthracene	2300	2900	8900	264.0*	31 - 121
Di-n-butylphthalate	2300	0	2000	85.6	34 - 132
Fluoranthene	2300	14000	22000	349.0*	29 - 125
Pyrene	2300	11000	16000	227.0*	31 - 125
Butylbenzylphthalate	2300	0	2000	86.5	29 - 149
3,3'-Dichlorobenzidine	4600	0	2100	46.4	20 - 110
Benzo(a)anthracene	2300	7400	12000	184.0*	30 - 117
Chrysene	2300	7300	11000	175.0*	32 - 115
Bis(2-ethylhexyl)phthalate	2300	0	3400	150.0*	32 - 138
Di-n-octylphthalate	2300	0	2100	91.7	30 - 150
Benzo(b)fluoranthene	2300	7100	11000	152.0*	23 - 128
Benzo(k)fluoranthene	2300	3000	5700	115.0	31 - 120
Benzo(a)pyrene	2300	4500	8000	152.0*	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2100	3800	75.5	28 - 118
Dibenzo(a,h)anthracene	2300	820	2500	72.1	28 - 118
Benzo(g,h,i)perylene	2300	2200	4000	77.3	28 - 120
Acetophenone	4600	0	3100	68.3	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

DRAFT

EPA Sample No.: EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek /

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	0	1600	71.2	47 - 110
Carbazole	2300	0	4700	207.0*	34 - 133
Caprolactam	2300	0	2800	123.0	10 - 150
1,1'-Biphenyl	2300	0	2100	91.7	30 - 152
Atrazine	2300	0	1600	70.3	10 - 149
Benzaldehyde	2300	0	1400	59.8	10 - 140

Spike Recovery: 19 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	2300	1700	75.2	18.4	30	30 - 126
Phenol	2300	1400	59.6	23.8	30	30 - 129
2-Chlorophenol	2300	1400	60.9	19.4	30	16 - 113
2,2'-Oxybis(1-chloropropane)	2300	1300	58.3	27.1	30	20 - 123
2-Methylphenol	2300	1100	47.0	9.7	30	27 - 117
Hexachloroethane	2300	1000	45.7	1.9	30	24 - 120
N-Nitroso-di-n-propylamine	2300	1700	72.2	21.0	30	22 - 128
4-Methylphenol	2300	990	42.9	22.7	30	30 - 150
Nitrobenzene	2300	1600	67.4	14.9	30	14 - 129
Isophorone	2300	2000	85.7	17.2	30	35 - 144
2-Nitrophenol	2300	1400	63.0	11.7	30	14 - 113
2,4-Dimethylphenol	2300	560	24.4 *	6.1	30	30 - 110
Bis(2-chloroethoxy)methane	2300	1600	68.3	17.4	30	31 - 126
2,4-Dichlorophenol	2300	1300	56.1	18.9	30	18 - 115
Naphthalene	2300	2300	98.3	146.4 *	30	29 - 119
4-Chloroaniline	2300	1200	54.3	10.6	30	30 - 143
2-Methylnaphthalene	2300	1800	77.0	93.5 *	30	33 - 120
Hexachlorobutadiene	2300	1400	60.9	23.9	30	32 - 120
4-Chloro-3-methylphenol	2300	1400	62.2	23.5	30	30 - 123
Hexachlorocyclopentadiene	2300	0	0.0 *		30	10 - 119
2,4,6-Trichlorophenol	2300	1400	61.7	27.4	30	14 - 118
2,4,5-Trichlorophenol	2300	1300	58.3	26.0	30	29 - 125
2-Chloronaphthalene	2300	1400	62.2	24.0	30	31 - 118
2-Nitroaniline	2300	1600	68.7	24.9	30	22 - 134
Acenaphthylene	2300	2300	57.7	38.1 *	30	26 - 123
Dimethylphthalate	2300	1700	73.0	17.9	30	33 - 127
2,6-Dinitrotoluene	2300	1600	67.8	21.7	30	26 - 123
Acenaphthene	2300	2100	49.2	90.3 *	30	30 - 135
3-Nitroaniline	2300	1500	65.2	29.1	30	20 - 125
2,4-Dinitrophenol	4600	0	0.0 *		30	15 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre | EPAFMC-SD-01SD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibenzofuran	2300	2000	85.2	81.7 *	30	31 - 123
2,4-Dinitrotoluene	2300	1600	68.3	23.1	30	17 - 127
4-Nitrophenol	2300	1200	53.9	22.2	30	30 - 135
Fluorene	2300	2300	46.5	93.4 *	30	25 - 120
4-Chlorophenyl-phenylether	2300	1400	60.4	23.5	30	10 - 119
Diethylphthalate	2300	1700	75.2	17.4	30	30 - 127
4-Nitroaniline	2300	2200	94.3	4.1	30	10 - 150
4,6-Dinitro-2-methylphenol	2300	0	0.0 *		30	40 - 130
N-Nitrosodiphenylamine	2300	1200	50.4	19.5	30	31 - 137
4-Bromophenyl-phenylether	2300	1400	62.6	18.3	30	31 - 129
Hexachlorobenzene	2300	1400	58.7	23.0	30	30 - 118
Pentachlorophenol	2300	1200	51.7	9.6	30	30 - 113
Phenanthrene	2300	5300	0.0 *	108.5 *	30	28 - 121
Anthracene	2300	4700	79.6	62.1 *	30	31 - 121
Di-n-butylphthalate	2300	1500	65.7	25.9	30	34 - 132
Fluoranthene	2300	11000	0.0 *	63.0 *	30	29 - 125
Pyrene	2300	8300	0.0 *	62.0 *	30	31 - 125
Butylbenzylphthalate	2300	1600	67.8	23.7	30	29 - 149
3,3'-Dichlorobenzidine	4600	1600	35.7	25.5	30	20 - 110
Benzo(a)anthracene	2300	6800	0.0 *	52.2 *	30	30 - 117
Chrysene	2300	6200	0.0 *	59.0 *	30	32 - 115
Bis(2-ethylhexyl)phthalate	2300	1700	74.3	67.2 *	30	32 - 138
Di-n-octylphthalate	2300	1600	67.4	30.1 *	30	30 - 150
Benzo(b)fluoranthene	2300	6700	0.0 *	44.9 *	30	23 - 128
Benzo(k)fluoranthene	2300	3300	11.7 *	52.4 *	30	31 - 120
Benzo(a)pyrene	2300	4900	16.5 *	47.9 *	30	31 - 121
Indeno(1,2,3-cd)pyrene	2300	2700	29.1	32.4 *	30	28 - 118
Dibenzo(a,h)anthracene	2300	1900	46.2	27.1	30	28 - 118
Benzo(g,h,i)perylene	2300	2800	26.5 *	34.0 *	30	28 - 120
Acetophenone	4600	2500	53.6	23.7	30	27 - 112

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

Form III

100512 1504

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Cre

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4,5-Tetrachlorobenzene	2300	1300	56.5	22.5	30	47 - 110
Carbazole	2300	2400	102.0	67.4 *	30	34 - 133
Caprolactam	2300	2500	107.0	13.2	30	10 - 150
1,1'-Biphenyl	2300	1200	53.9	51.5 *	30	30 - 152
Atrazine	2300	1300	57.4	19.8	30	10 - 149
Benzaldehyde	2300	1100	47.0	23.7	30	10 - 140

RPD: 21 out of 66 outside limits

Spike Recovery: 13 out of 66 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

_____

Form III

100512 1504

DRAFT

8082 PCB Organics

100512 1504

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

EPA SW846 8082 for Aroclor analysis

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3550 for 8082 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.
Please note CCV1074115 was below criteria at 20.3% for one peak used to quantify Aroclor-1016 on column STX-CLP1, however the total for this Aroclor passed criteria at 9.8%, meeting QC requirements.

Please note CCV1074823 was below criteria at 25.1% for one peak used to quantify Aroclor-1016 on column STX-CLP1 and below criteria at 20.6% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for these Aroclors passed criteria, meeting QC requirements.

Please note CCV1074824 was below criteria at 24.8%, 20.4%, and 23.4% for three peaks used to quantify Aroclor-1260 on column STX-CLP2, however the total for this Aroclor passed criteria at 12.5%, meeting QC requirements.

Please note CCV1074826 was below criteria at 24.5% for one peak used to quantify Aroclor-1260 on column STX-CLP1, however the total for this Aroclor passed criteria at 8.1%, meeting QC requirements.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met with the exception of:

CASE NARRATIVE
POLYCHLORINATED BIPHENYLS (PCB) SEMIVOLATILE ORGANIC

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-04 was recovered above criteria for the following surrogate: Decachlorobiphenyl at 164 % with criteria of (33-140). The recovery is due to matrix interference near the elution of the surrogate.

Samples coded accordingly.

D. Spikes:

PCB 1016 and PCB 1260 were used as the spiking solution for all QC spikes.

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD)

No spikes requested by client.

E. Internal Standards:

This method does not require the use of internal standards.

F. Samples:

Data was collected using dual column analysis. Results reported from the primary column if the %D between the two columns is >40%, data is coded.

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

SIGNED: **DATE: 05/09/2012**

PCB ORGANIC CROSS REFERENCE TABLE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-13

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Method: 8082

EPA Sample No	Lab Sample ID
EPAFMC-SD-02	350583502
EPAFMC-SD-04	350583504

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DRAFT

8082 Sample Data

100512 1504

PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502 Lab File ID: 835-2R.D

Sample wt/vol: 33.03 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1046

PercentSolids: 80.7 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC02 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	16	U	16	37
11096-82-5	Aroclor-1260	8.7	U	8.7	37
11104-28-2	Aroclor-1221	15	U	15	37
11141-16-5	Aroclor-1232	25	U	25	37
53469-21-9	Aroclor-1242	14	U	14	37
12672-29-6	Aroclor-1248	14	U	14	37
11097-69-1	Aroclor-1254	12	U	12	37

Results reported on Primary Column, if RPD >40% results flagged accordingly.

PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504 Lab File ID: 835-4R.D

Sample wt/vol: 33.04 Units: G Date Received: 04/24/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/30/12 Time: 1101

PercentSolids: 62 decanted : Dilution Factor: 1

Extraction: SONC Station ID: EPAFMC04 Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	21	U	21	48
11096-82-5	Aroclor-1260	11	U	11	48
11104-28-2	Aroclor-1221	19	U	19	48
11141-16-5	Aroclor-1232	32	U	32	48
53469-21-9	Aroclor-1242	18	U	18	48
12672-29-6	Aroclor-1248	18	U	18	48
11097-69-1	Aroclor-1254	15	U	15	48

Results reported on Primary Column, if RPD >40% results flagged accordingly.

DRAFT

8082 QC Summary

100512 1504

PCB ORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127811MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127811MB Lab File ID: 9229MB.D

Sample wt/vol: 33.15 Units: G Date Received: 04/27/12

Concentrated Extract Volume: 10 Date Extracted: 04/27/12

Level:(low/med) LOW Date Analyzed: 04/27/12 Time: 1919

PercentSolids: 100 decanted : ( ) Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	13	U	13	30
11096-82-5	Aroclor-1260	7	U	7	30
11104-28-2	Aroclor-1221	12	U	12	30
11141-16-5	Aroclor-1232	20	U	20	30
53469-21-9	Aroclor-1242	11	U	11	30
12672-29-6	Aroclor-1248	11	U	11	30
11097-69-1	Aroclor-1254	9.4	U	9.4	30

Results reported on Primary Column, if RPD >40% results flagged accordingly.

DRAFT

2A

SOIL PCB ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG NO.: 3505835

Column(1): STX-CLP1 ID: 0.32 (mm) Column(2): STX-CLP2 ID: 0.32 (mm)

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
127811MB	83.8						0
127812LCS	81.7						0
EPAFMC-SD-02	74.1						0
EPAFMC-SD-04	164.0 *						1

Control Limits

S1 = Decachlorobiphenyl 33 - 140

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

Control limit source: (lab/method) METHOD

Higher value of the two columns reported as result unless %D between the columns is >40%, then the lower of the two results is reported

Form II

100512 1504

PCB ORGANIC LAB CONTROL SAMPLE RECOVERY

DRAFT

EPA Sample No.: 127812LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 200514

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	295	207	70.2			43 - 137
Aroclor-1260	295	203	68.8			48 - 154

Spike Recovery: 0 out of 2 outside limits

Results reported on Primary Column, if RPD >40% results flagged accordingly.

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

100512 1504

Form III

DRAFT

Inorganics

100512 1504

Inorganic Data Qualifiers

DRAFT

C (Concentration) Qualifier - Entries and their meanings are:

J The reported value obtained was less than the RL but greater than or equal to the MDL.

E The reported value obtained was over calibration or linear range.

U The reported value obtained was less than the MDL or was not detected.

Q Qualifier - Entries and their meanings are:

U The reported value is estimated because of interference. An explanatory comment must be included under "Comments" on the Cover Page if the problem applies to all samples in this data package or on the individual FORM 1 if it is an isolated problem.

M Duplicate injection precision was not met (two analyses of the same sample did not agree).

N Spiked sample recovery not within control limits.

E Serial Dilution percent difference not within control limits.

S The reported value was determined by the Method of Standard Additions (MSA).

W Post-digestion spike for Furnace AA analysis is out of control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

***** Duplicate analysis not within control limits.

+ Correlation coefficient for the MSA is less than 0.995.

X The data is flagged as rejected by analyst utilizing analytical judgement.

Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can apear in the same field.

M (Method) Qualifier - Enter one of the following:

P ICP
A Flame AA
F Furnace AA
CV Manual Cold Vapor AA
TC Total Organic Carbon
AS Semi-Automated Spectrophotometric
CA Midi-Distillation Spectrophotometric
T Titrimetric
C Manual Spectrophotometric
GR Gravimetric
NR Analyte was not required by your lab

Inorganic Sample ID Qualifiers

The qualifiers that may be appended to the lab sample ID and/or the client sample ID for inorganic analysis are defined below:

DL Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds that exceeded the calibration range. The sample was diluted and reanalyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted reanalysis are reported.

R Reanalysis. The extract was reanalyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalysis of the sample at the same dilution.

RE Re-extracted. The extract was reanalyzed with re-extraction. May be followed by a digit to indicate multiple re-extraction of the same sample at the same dilution.

MS Matrix spike (may be followed by a digit to indicate multiple matrix within a sample set).

SD Matrix spike duplicate (may be followed by a digit to indicate multiple matrix spike duplicate within a sample set).

A Post Digestion Spike.

L Serial Dilution.

DRAFT

DRAFT

Metals Data Package

100512 1504

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Analyses were performed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 6010B for ICP metals.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3050B.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met with the exception of:
Blank 127448MB was analyzed with the soil samples on 04/27/12. The following analyte(s) were detected below RL: Antimony at 0.273 mg/Kg, Iron at 2.51 mg/Kg. The hits in the blank are below the RL, therefore, no corrective action was taken.
Samples coded accordingly.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:
MS - EPAFMC-SD-01MS was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered below criteria: Zinc at 62.3 % with criteria of (75-125) and the following analyte(s) were recovered above criteria: Aluminum at 130.8 % with criteria of (75-125), Iron at 188.6 % with criteria of (75-125).

MS - EPAFMC-SD-01MSDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 316.6 % with criteria of (75-125).

SD - EPAFMC-SD-01SD was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Aluminum at 132.3 % with criteria of (75-125), Chromium at 133.7 % with criteria of (75-125), Iron at 181.8 % with criteria of (75-125).

SD - EPAFMC-SD-01SDDL1 was analyzed with the soil samples on 04/27/12. The following analyte(s) were recovered above criteria: Manganese at 161.6 % with criteria of (75-125). The most probable cause for the MS/MSD exceeding limits is sample matrix due to the fact that the LCS/LCSD pass all quality control criteria. No further action was taken. Samples coded accordingly.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Serial Dilution:

All acceptance criteria were met.

F. ICP Interference Check Samples:

All acceptance criteria were met.

G. Samples:

Sample analysis proceeded normally.
Sample EPAFMC-SD-01 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-02 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

CASE NARRATIVE
METALS

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

Sample EPAFMC-SD-03 required a 2X dilution due to high concentration of the following analyte(s): Manganese.
Sample EPAFMC-SD-04 required a 5X dilution due to high concentration of the following analyte(s): Manganese.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature:
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/07/2012**

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

5-

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Samples were analyzed according to the Spectrum Analytical Inc. Standard Operating Procedures and EPA Method 7471A.

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 7471A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Post Digestion Spike:

All acceptance criteria were met.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

CASE NARRATIVE
MERCURY

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

D. Duplicate:

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

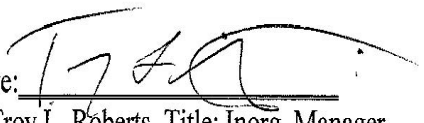
E. Serial Dilution:

All acceptance criteria were met.

F. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: 
Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE: 05/09/2012**

DRAFT

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-01DL1	350583501DL1
EPAFMC-SD-02	350583502
EPAFMC-SD-02DL1	350583502DL1
EPAFMC-SD-03	350583503
EPAFMC-SD-03DL1	350583503DL1
EPAFMC-SD-04	350583504
EPAFMC-SD-04DL1	350583504DL1
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Were ICP interelement corrections applied?	Yes/No	Yes
Were ICP background corrections applied?	Yes/No	Yes
If yes - were raw data generated before application of background corrections?	Yes/No	No

Comments:

100512 1504

DRAFT

Metals Inorganic Sample Data

100512 1504

DRAFT

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148- EPAFMC-SD-01

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5740		N	P		2.33	12.3
7440-36-0	Antimony	0.715	J		P		0.294	1.23
7440-38-2	Arsenic	10.1			P		0.613	1.23
7440-39-3	Barium	48.2			P		0.196	0.613
7440-41-7	Beryllium	0.503	J		P		0.196	0.613
7440-43-9	Cadmium	0.0613	U		P		0.0613	0.613
7440-70-2	Calcium	14300			P		4.05	12.3
7440-47-3	Chromium	32.6		N	P		0.196	0.613
7440-48-4	Cobalt	7.08			P		0.0613	0.613
7440-50-8	Copper	14			P		0.196	0.613
7439-89-6	Iron	21900		N	P		0.736	6.13
7439-92-1	Lead	18.8			P		0.417	0.981
7439-95-4	Magnesium	3590			P		3.56	12.3
7439-97-6	Mercury	0.067			CV		0.00487	0.0263
7440-02-0	Nickel	9.16			P		0.196	0.613
7440-09-7	Potassium	466			P		6.13	61.3
7782-49-2	Selenium	0.491	U		P		0.491	2.45
7440-22-4	Silver	0.196	U		P		0.196	0.613
7440-23-5	Sodium	98			P		12.3	36.8
7440-28-0	Thallium	0.417	U		P		0.417	1.23
7440-62-2	Vanadium	28.5			P		0.196	0.613

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	147		N	P		0.405	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148- EPAFMC-SD-01DL1

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	633			P		0.392	1.23

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	5920			P		2.26	11.9
7440-36-0	Antimony	0.828	J		P		0.285	1.19
7440-38-2	Arsenic	14.1			P		0.593	1.19
7440-39-3	Barium	86.8			P		0.19	0.593
7440-41-7	Beryllium	0.711			P		0.19	0.593
7440-43-9	Cadmium	0.0593	U		P		0.0593	0.593
7440-70-2	Calcium	18800			P		3.92	11.9
7440-47-3	Chromium	37.7			P		0.19	0.593
7440-48-4	Cobalt	8.12			P		0.0593	0.593
7440-50-8	Copper	18.1			P		0.19	0.593
7439-89-6	Iron	22600			P		0.712	5.93
7439-92-1	Lead	32.4			P		0.404	0.95
7439-95-4	Magnesium	5130			P		3.44	11.9
7439-97-6	Mercury	0.0564			CV		0.00437	0.0236
7440-02-0	Nickel	14.3			P		0.19	0.593
7440-09-7	Potassium	562			P		5.93	59.3
7782-49-2	Selenium	0.475	U		P		0.475	2.37
7440-22-4	Silver	0.19	U		P		0.19	0.593
7440-23-5	Sodium	104			P		11.9	35.6
7440-28-0	Thallium	0.404	U		P		0.404	1.19
7440-62-2	Vanadium	27.3			P		0.19	0.593

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	180			P		0.392	1.19

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	1580			P		0.95	2.97

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	4400			P		2.17	11.4
7440-36-0	Antimony	0.357	J		P		0.274	1.14
7440-38-2	Arsenic	8.44			P		0.572	1.14
7440-39-3	Barium	48.8			P		0.183	0.572
7440-41-7	Beryllium	0.455	J		P		0.183	0.572
7440-43-9	Cadmium	0.0572	U		P		0.0572	0.572
7440-70-2	Calcium	14000			P		3.78	11.4
7440-47-3	Chromium	28.8			P		0.183	0.572
7440-48-4	Cobalt	5.27			P		0.0572	0.572
7440-50-8	Copper	7.72			P		0.183	0.572
7439-89-6	Iron	17600			P		0.686	5.72
7439-92-1	Lead	18.7			P		0.389	0.915
7439-95-4	Magnesium	4150			P		3.32	11.4
7439-97-6	Mercury	0.042			CV		0.00276	0.0149
7440-02-0	Nickel	7.81			P		0.183	0.572
7440-09-7	Potassium	352			P		5.72	57.2
7782-49-2	Selenium	0.458	U		P		0.458	2.29
7440-22-4	Silver	0.183	U		P		0.183	0.572
7440-23-5	Sodium	98.7			P		11.4	34.3
7440-28-0	Thallium	0.521	J		P		0.389	1.14
7440-62-2	Vanadium	24.6			P		0.183	0.572

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	148			P		0.378	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	605			P		0.366	1.14

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	9290			P		2.56	13.5
7440-36-0	Antimony	0.976	J		P		0.324	1.35
7440-38-2	Arsenic	11.9			P		0.674	1.35
7440-39-3	Barium	80.1			P		0.216	0.674
7440-41-7	Beryllium	0.642	J		P		0.216	0.674
7440-43-9	Cadmium	0.0674	U		P		0.0674	0.674
7440-70-2	Calcium	14500			P		4.45	13.5
7440-47-3	Chromium	26.9			P		0.216	0.674
7440-48-4	Cobalt	14.4			P		0.0674	0.674
7440-50-8	Copper	26.2			P		0.216	0.674
7439-89-6	Iron	33100			P		0.809	6.74
7439-92-1	Lead	29.1			P		0.458	1.08
7439-95-4	Magnesium	6040			P		3.91	13.5
7439-97-6	Mercury	0.0747			CV		0.00374	0.0202
7440-02-0	Nickel	18.4			P		0.216	0.674
7440-09-7	Potassium	868			P		6.74	67.4
7782-49-2	Selenium	0.539	U		P		0.539	2.7
7440-22-4	Silver	0.216	U		P		0.216	0.674
7440-23-5	Sodium	59			P		13.5	40.4
7440-28-0	Thallium	0.588	J		P		0.458	1.35
7440-62-2	Vanadium	40.7			P		0.216	0.674

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	162			P		0.445	1.35

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04DL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504DL1

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-96-5	Manganese	838			P		1.08	3.37

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	3770			P		1.71	9.02
7440-36-0	Antimony	1			P		0.216	0.902
7440-38-2	Arsenic	6.59			P		0.451	0.902
7440-39-3	Barium	107			P		0.144	0.451
7440-41-7	Beryllium	0.296	J		P		0.144	0.451
7440-43-9	Cadmium	1.67			P		0.0451	0.451
7440-70-2	Calcium	9780			P		2.98	9.02
7440-47-3	Chromium	17.6			P		0.144	0.451
7440-48-4	Cobalt	4.03			P		0.0451	0.451
7440-50-8	Copper	52.3			P		0.144	0.451
7439-89-6	Iron	13300			P		0.541	4.51
7439-92-1	Lead	129			P		0.307	0.721
7439-95-4	Magnesium	2130			P		2.62	9.02
7439-96-5	Manganese	225			P		0.144	0.451
7439-97-6	Mercury	0.442			CV		0.00342	0.0185
7440-02-0	Nickel	11.3			P		0.144	0.451
7440-09-7	Potassium	315			P		4.51	45.1
7782-49-2	Selenium	0.361	U		P		0.361	1.8
7440-22-4	Silver	0.258	J		P		0.144	0.451
7440-23-5	Sodium	61.3			P		9.02	27
7440-28-0	Thallium	0.307	U		P		0.307	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	9.2			P		0.144	0.451
7440-66-6	Zinc	392			P		0.298	0.902

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	2700			P		2.14	11.2
7440-36-0	Antimony	1.21			P		0.27	1.12
7440-38-2	Arsenic	10.5			P		0.563	1.12
7440-39-3	Barium	73.2			P		0.18	0.563
7440-41-7	Beryllium	0.256	J		P		0.18	0.563
7440-43-9	Cadmium	2.16			P		0.0563	0.563
7440-70-2	Calcium	9890			P		3.71	11.2
7440-47-3	Chromium	19.7			P		0.18	0.563
7440-48-4	Cobalt	4.18			P		0.0563	0.563
7440-50-8	Copper	62.5			P		0.18	0.563
7439-89-6	Iron	14800			P		0.675	5.63
7439-92-1	Lead	135			P		0.383	0.9
7439-95-4	Magnesium	2240			P		3.26	11.2
7439-96-5	Manganese	350			P		0.18	0.563
7439-97-6	Mercury	0.327			CV		0.00332	0.0179
7440-02-0	Nickel	9.35			P		0.18	0.563
7440-09-7	Potassium	271			P		5.63	56.3
7782-49-2	Selenium	0.45	U		P		0.45	2.25
7440-22-4	Silver	0.18	U		P		0.18	0.563
7440-23-5	Sodium	61.5			P		11.2	33.8
7440-28-0	Thallium	0.486	J		P		0.383	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-62-2	Vanadium	10.7			P		0.18	0.563
7440-66-6	Zinc	427			P		0.371	1.12

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

DRAFT

Metals Inorganic QC Summary Data

100512 1505

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7429-90-5	Aluminum	1.84	U		P		1.84	9.71
7440-36-0	Antimony	0.273	J		P		0.233	0.971
7440-38-2	Arsenic	0.485	U		P		0.485	0.971
7440-39-3	Barium	0.155	U		P		0.155	0.485
7440-41-7	Beryllium	0.155	U		P		0.155	0.485
7440-43-9	Cadmium	0.0485	U		P		0.0485	0.485
7440-70-2	Calcium	3.2	U		P		3.2	9.71
7440-47-3	Chromium	0.155	U		P		0.155	0.485
7440-48-4	Cobalt	0.0485	U		P		0.0485	0.485
7440-50-8	Copper	0.155	U		P		0.155	0.485
7439-89-6	Iron	2.51	J		P		0.582	4.85
7439-92-1	Lead	0.33	U		P		0.33	0.777
7439-95-4	Magnesium	2.82	U		P		2.82	9.71
7439-96-5	Manganese	0.155	U		P		0.155	0.485
7440-02-0	Nickel	0.155	U		P		0.155	0.485
7440-09-7	Potassium	4.85	U		P		4.85	48.5
7782-49-2	Selenium	0.388	U		P		0.388	1.94
7440-22-4	Silver	0.155	U		P		0.155	0.485
7440-23-5	Sodium	9.71	U		P		9.71	29.1
7440-28-0	Thallium	0.33	U		P		0.33	0.971
7440-62-2	Vanadium	0.155	U		P		0.155	0.485

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 127448MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127448MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-66-6	Zinc	0.32	U		P		0.32	0.971

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

127971MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 127971MB

Level:(low/med) LOW Date Received: 4/25/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-97-6	Mercury	0.00361	U		CV		0.00361	0.0195

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.

EPAFMC-SD-01MS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13300		5740		5780	130.8	N	P
Antimony	75 - 125	48.8		0.715	J	57.8	83.2		P
Arsenic	75 - 125	74.4		10.1		57.8	111.2		P
Barium	75 - 125	222		48.2		173	100.5		P
Beryllium	75 - 125	58.1		0.503	J	57.8	99.6		P
Cadmium	75 - 125	53.4		0.0613	U	57.8	92.4		P
Calcium	75 - 125	20900		14300		5780	114.2		P
Chromium	75 - 125	98.7		32.6		57.8	114.4		P
Cobalt	75 - 125	62.6		7.08		57.8	96.1		P
Copper	75 - 125	68.0		14.0		57.8	93.4		P
Iron	75 - 125	32800		21900		5780	188.6	N	P
Lead	75 - 125	78.6		18.8		57.8	103.5		P
Magnesium	75 - 125	10300		3590		5780	116.1		P
Manganese	-								NR
Mercury	80 - 120	0.427		0.0670		0.389	92.5		CV
Nickel	75 - 125	66.6		9.16		57.8	99.4		P
Potassium	75 - 125	6370		466		5780	102.1		P
Selenium	75 - 125	54.3		0.491	U	57.8	93.9		P
Silver	75 - 125	23.2		0.196	U	23.1	100.4		P
Sodium	75 - 125	6120		98.0		5780	104.2		P
Thallium	75 - 125	55.7		0.417	U	57.8	96.4		P
Vanadium	75 - 125	94.4		28.5		57.8	114		P
Zinc	75 - 125	183		147		57.8	62.3	N	P

Comments:

100512 1505

DRAFT

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	13600		5740		5940	132.3	N	P
Antimony	75 - 125	51.9		0.715	J	59.4	86.2		P
Arsenic	75 - 125	72.9		10.1		59.4	105.7		P
Barium	75 - 125	240		48.2		178	107.8		P
Beryllium	75 - 125	62.0		0.503	J	59.4	103.5		P
Cadmium	75 - 125	56.5		0.0613	U	59.4	95.1		P
Calcium	75 - 125	20500		14300		5940	104.4		P
Chromium	75 - 125	112		32.6		59.4	133.7	N	P
Cobalt	75 - 125	69.8		7.08		59.4	105.6		P
Copper	75 - 125	74.2		14.0		59.4	101.3		P
Iron	75 - 125	32700		21900		5940	181.8	N	P
Lead	75 - 125	82.0		18.8		59.4	106.4		P
Magnesium	75 - 125	10300		3590		5940	113		P
Manganese	-								NR
Mercury	80 - 120	0.437		0.0670		0.400	92.5		CV
Nickel	75 - 125	74.2		9.16		59.4	109.5		P
Potassium	75 - 125	6680		466		5940	104.6		P
Selenium	75 - 125	58.4		0.491	U	59.4	98.3		P
Silver	75 - 125	24.6		0.196	U	23.8	103.4		P
Sodium	75 - 125	6490		98.0		5940	107.6		P
Thallium	75 - 125	59.8		0.417	U	59.4	100.7		P
Vanadium	75 - 125	98.1		28.5		59.4	117.2		P
Zinc	75 - 125	206		147		59.4	99.3		P

Comments:

100512 1505

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.

350583501A

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	80 - 120	99400.00		46790.82		50000	105.3		P
Antimony	80 - 120	509.00		5.83	J	500	100.7		P
Arsenic	80 - 120	601.00		82.34		500	103.7		P
Barium	80 - 120	1910.00		392.94		1500	101.3		P
Beryllium	80 - 120	536.00		4.10	J	500	106.3		P
Cadmium	80 - 120	491.00			U	500	98.3		P
Calcium	80 - 120	164000.00		116925.82		50000	94.8		P
Chromium	80 - 120	782.00		266.10		500	103.3		P
Cobalt	80 - 120	557.00		57.71		500	100.0		P
Copper	80 - 120	645.00		114.55		500	106.1		P
Iron	80 - 120	223000.00		178710.36		50000	88.8		P
Lead	80 - 120	653.00		153.14		500	99.9		P
Magnesium	80 - 120	77900.00		29256.41		50000	97.4		P
Mercury	-	3.10		0.51		3	86.3		CV
Nickel	80 - 120	586.00		74.69		500	102.2		P
Potassium	80 - 120	55700.00		3798.89		50000	103.9		P
Selenium	80 - 120	489.00			U	500	97.9		P
Silver	80 - 120	212.00			U	200	105.8		P
Sodium	80 - 120	53800.00		798.58		50000	106.0		P
Thallium	80 - 120	521.00			U	500	104.3		P
Vanadium	80 - 120	780.00		232.52		500	109.5		P
Zinc	80 - 120	1710.00		1197.50		500	102.1		P

Comments:

100512 1505

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

DRAFT

EPA Sample No.: 350583501ADL1

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: Soil Level:(low/med) LOW

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Control Limit %R	Spiked Sample	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Manganese	80 - 120	6010.00		5157.78		1000	85.1		P

Comments:

100512 1505

DRAFT

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

127450LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	5090		5000		1.8		P
Antimony	20	48.4		49		1.2		P
Arsenic	20	49.3		49.3		0.0		P
Barium	20	146		147		0.7		P
Beryllium	20	48.5		49.1		1.2		P
Cadmium	20	46.6		47.2		1.3		P
Calcium	20	4810		4750		1.3		P
Chromium	20	49.3		49.5		0.4		P
Cobalt	20	47.8		48.1		0.6		P
Copper	20	48.7		49.2		1.0		P
Iron	20	5130		5060		1.4		P
Lead	20	49		49.1		0.2		P
Magnesium	20	4890		4870		0.4		P
Manganese	20	48.4		48.9		1.0		P
Nickel	20	48.6		49.1		1.0		P
Potassium	20	4970		4900		1.4		P
Selenium	20	47		47.4		0.8		P
Silver	20	19.5		19.8		1.5		P
Sodium	20	5180		5080		1.9		P
Thallium	20	49.8		50.2		0.8		P
Vanadium	20	51.2		52.1		1.7		P
Zinc	20	49.8		50.2		0.8		P

Comments:

100512 1505

U.S. EPA - CLP

6

DUPLICATES

DRAFT

EPA Sample No.

127973LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	20	0.299		0.3		0.3		CV

Comments:

100512 1505

DRAFT

U.S. EPA - CLP

6

DUPLICATES

EPA Sample No.

EPAFMC-SD-01SD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 67.6 % Solids for Duplicate: 67.6

Concentration Units (mg/L or mg/kg): mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	20	13300		13600		2.2		P
Antimony	20	48.8		51.9		6.2		P
Arsenic	20	74.4		72.9		2.0		P
Barium	20	222		240		7.8		P
Beryllium	20	58.1		62		6.5		P
Cadmium	20	53.4		56.5		5.6		P
Calcium	20	20900		20500		1.9		P
Chromium	20	98.7		112		12.6		P
Cobalt	20	62.6		69.8		10.9		P
Copper	20	68		74.2		8.7		P
Iron	20	32800		32700		0.3		P
Lead	20	78.6		82		4.2		P
Magnesium	20	10300		10300		0.0		P
Mercury	20	0.427		0.437		2.3		CV
Nickel	20	66.6		74.2		10.8		P
Potassium	20	6370		6680		4.8		P
Selenium	20	54.3		58.4		7.3		P
Silver	20	23.2		24.6		5.9		P
Sodium	20	6120		6490		5.9		P
Thallium	20	55.7		59.8		7.1		P
Vanadium	20	94.4		98.1		3.8		P
Zinc	20	183		206		11.8		P

Comments:

100512 1505

7

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

127449LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	Solid (mg/Kg) %R
Aluminum				4900	5090		80 - 120	103.9
Antimony				49	48.4		80 - 120	98.8
Arsenic				49	49.3		80 - 120	100.6
Barium				147	146		80 - 120	99.3
Beryllium				49	48.5		80 - 120	99.0
Cadmium				49	46.6		80 - 120	95.1
Calcium				4900	4810		80 - 120	98.2
Chromium				49	49.3		80 - 120	100.6
Cobalt				49	47.8		80 - 120	97.6
Copper				49	48.7		80 - 120	99.4
Iron				4900	5130		80 - 120	104.7
Lead				49	49		80 - 120	100.0
Magnesium				4900	4890		80 - 120	99.8
Manganese				49	48.4		80 - 120	98.8
Nickel				49	48.6		80 - 120	99.2
Potassium				4900	4970		80 - 120	101.4
Selenium				49	47		80 - 120	95.9
Silver				19.6	19.5		80 - 120	99.5
Sodium				4900	5180		80 - 120	105.7
Thallium				49	49.8		80 - 120	101.6
Vanadium				49	51.2		80 - 120	104.5
Zinc				49	49.8		80 - 120	101.6

100512 1505

7

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

127450LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45535, 45139, 45964,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	Solid (mg/Kg) %R
Aluminum				4830	5000		80 - 120	103.5
Antimony				48.3	49		80 - 120	101.4
Arsenic				48.3	49.3		80 - 120	102.1
Barium				145	147		80 - 120	101.4
Beryllium				48.3	49.1		80 - 120	101.7
Cadmium				48.3	47.2		80 - 120	97.7
Calcium				4830	4750		80 - 120	98.3
Chromium				48.3	49.5		80 - 120	102.5
Cobalt				48.3	48.1		80 - 120	99.6
Copper				48.3	49.2		80 - 120	101.9
Iron				4830	5060		80 - 120	104.8
Lead				48.3	49.1		80 - 120	101.7
Magnesium				4830	4870		80 - 120	100.8
Manganese				48.3	48.9		80 - 120	101.2
Nickel				48.3	49.1		80 - 120	101.7
Potassium				4830	4900		80 - 120	101.4
Selenium				48.3	47.4		80 - 120	98.1
Silver				19.3	19.8		80 - 120	102.6
Sodium				4830	5080		80 - 120	105.2
Thallium				48.3	50.2		80 - 120	103.9
Vanadium				48.3	52.1		80 - 120	107.9
Zinc				48.3	50.2		80 - 120	103.9

100512 1505

7

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.: 127972LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid Found	C	Limits	%R
Mercury				0.291	0.299		80 - 120	102.7

100512 1505

7

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005 127973LCSD

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Solid LCS Source: 45799

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.294	0.3		80 - 120	102.0

100512 1505

DRAFT

Wet Chemistry Data Package

100512 1505

CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

Client: OTIE

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody or a communication form is included in the addendum with this package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHODS

Analyses were performed according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA SW846 Method 9060Mod.

IV. PREPARATION

There is no preparation step for this method.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met.

2. Method Blanks:

All acceptance criteria were met.

C. Spikes:

1. Laboratory Control Spikes (LCS):

An LCS/LCSD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met.

2. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

Spikes are not available for this method.

D. Duplicate:

CASE NARRATIVE
TOTAL ORGANIC CARBON

Spectrum Analytical Inc. Lab Reference No./SDG: 3505835

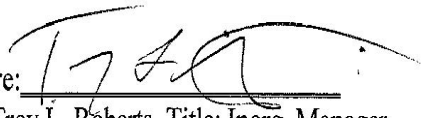
Client: OTIE

No sample duplicates are reported with this method. (Spike duplicates are referenced above in section C. Spikes.)

E. Samples:

Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Spectrum Analytical Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as, verified by the following signature.

Signature: 

Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: **DATE:** **05/09/2012**

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

DRAFT

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No.: SDG No.: 3505835

SOW No.:

EPA Sample No	Lab Sample ID
EPAFMC-SD-01	350583501
EPAFMC-SD-02	350583502
EPAFMC-SD-03	350583503
EPAFMC-SD-04	350583504
EPAFMC-SD-05	350583505
EPAFMC-SD-06	350583506

Comments:

100512 1505

DRAFT

Wetchem_TOCS Inorganic Sample Data

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-01

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583501

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 67.6 Station ID: EPAFMC01

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	267000			TC		74.1	638

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-02

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583502

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 80.7 Station ID: EPAFMC02

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	26300			TC		45.8	395

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-03

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583503

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 74.2 Station ID: EPAFMC03

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	45400			TC		59.6	513

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-04

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583504

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 62 Station ID: EPAFMC04

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	184000			TC		73.3	631

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-05

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583505

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 78.2 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	409000			TC		104	897

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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1

INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.

EPAFMC-SD-06

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 350583506

Level:(low/med) LOW Date Received: 4/24/2012

PercentSolids: 66.7 Station ID: EPAFMC05

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	509000			TC		136	1170

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

DRAFT

Wetchem_TOCS Inorganic QC Summary Data

100512 1505

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INORGANIC ANALYSIS DATA SHEET

DRAFT

EPA Sample No.: 128373MB

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148-

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Lab Sample ID: 128373MB

Level:(low/med) LOW Date Received: 4/30/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
1012_5	TOC	54.6	U		TC		54.6	470

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

100512 1505

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DUPLICATES

DRAFT

EPA Sample No.

128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 2005148

Lab Code : PEL Case No.: SAS No: SDG No.: 3505835

Matrix: SOIL Level:(low/med) LOW

% Solids for Sample: 100 % Solids for Duplicate: 100

Concentration Units (mg/L or mg/kg): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
TOC	20	96400		96800		0.4		TC

Comments:

100512 1505

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7-CC

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

128374LCS

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96400	96.4	

Comments:

100512 1505

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7-CC

LABORATORY CONTROL SAMPLE

DRAFT

EPA Sample No.

128375LCSD

Lab Name: Spectrum Analytical, Inc. Contract: OTIE-Five Mile Creek / 20

Lab Code : PEL Case No. SAS No: SDG No.: 3505835

Matrix: (soil/water) SOIL

Concentration Units: (MG/KG)

PARAMETER	LCS SOURCE	M	LIMITS LOWER	LIMITS UPPER	TRUE	FOUND	%R	C
TOC	44240	TC	80	120	100000	96800	96.8	

Comments:

100512 1505

DRAFT

End Of Report

100512 1505

Appendix

Raw Data Method 8270 SIM

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8270_SIM

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
DFT1068080 *	44847	SMSD0104/10/12-1216~S1041012C	DFTPP1.D	S1041012C	1	SMSD01	04/10/12 07:08	1
STD1068090 *	45403	SMSD0104/10/12-1216~S1041012C	SIMCAL1.D	S1041012C	1	SMSD01	04/10/12 07:55	1
STD1068089 *	45402	SMSD0104/10/12-1216~S1041012C	SIMCAL2.D	S1041012C	1	SMSD01	04/10/12 08:19	1
STD1068088 *	45401	SMSD0104/10/12-1216~S1041012C	SIMCAL3.D	S1041012C	1	SMSD01	04/10/12 08:43	1
STD1068087 *	45400	SMSD0104/10/12-1216~S1041012C	SIMCAL4.D	S1041012C	1	SMSD01	04/10/12 09:06	1
STD1068086 *	45399	SMSD0104/10/12-1216~S1041012C	SIMCAL5.D	S1041012C	1	SMSD01	04/10/12 09:30	1
STD1068091 *	45772	SMSD0104/10/12-1216~S1041012C	SIMCAL6.D	S1041012C	1	SMSD01	04/10/12 09:54	1
STD1068085 *	45397	SMSD0104/10/12-1216~S1041012C	SIMCAL7.D	S1041012C	1	SMSD01	04/10/12 10:17	1
STD1068084 *	45396	SMSD0104/10/12-1216~S1041012C	SIMCAL8.D	S1041012C	1	SMSD01	04/10/12 10:41	1
STD1068094 *	45779	SMSD0104/10/12-1216~S1041012C	SIMCAL9R.D	S1041012C	1	SMSD01	04/10/12 11:53	1
STD1068095 *	45782	SMSD0104/10/12-1216~S1041012C	SIMCAL10R.D	S1041012C	1	SMSD01	04/10/12 12:16	1
SSC1068079 *	44830	SMSD0104/10/12-1216~S1041012C	SIMSECA.D	S1041012C	1	SMSD01	04/10/12 12:40	1
DFT1075968 *	45777	SMSD0104/10/12-1216~S1041012C	DFTPP2.D	S1050212	1	SMSD01	05/02/12 07:31	1
CCV1075969 *	45886	SMSD0104/10/12-1216~S1041012C	SIMCCV1.D	S1050212	1	SMSD01	05/02/12 07:51	1
128646MB	128646MB	SMSD0104/10/12-1216~S1041012C	9282MB.D	S1050212	1	SMSD01	05/02/12 10:25	1
DFT1076396 *	45777	SMSD0104/10/12-1216~S1041012C	DFTPP1.D	S1050312	1	SMSD01	05/03/12 07:03	1
CCV1076397 *	45886	SMSD0104/10/12-1216~S1041012C	SIMCCV1.D	S1050312	1	SMSD01	05/03/12 07:23	1
128647LCS	128647LCS	SMSD0104/10/12-1216~S1041012C	9282LCS.D	S1050312	1	SMSD01	05/03/12 08:37	1
EPAFMC-SD-01	350583501	SMSD0104/10/12-1216~S1041012C	83501.D	S1050312	1	SMSD01	05/03/12 17:06	1
EPAFMC-SD-02	350583502	SMSD0104/10/12-1216~S1041012C	83502.D	S1050312	1	SMSD01	05/03/12 17:31	1
EPAFMC-SD-03	350583503	SMSD0104/10/12-1216~S1041012C	83503.D	S1050312	1	SMSD01	05/03/12 18:45	1
DFT1078147 *	45777	SMSD0105/07/12-1137~S1050712C	DFTPP2.D	S1050712C	1	SMSD01	05/07/12 07:35	1
STD1078145 *	45403	SMSD0105/07/12-1137~S1050712C	SIMCAL1.D	S1050712C	1	SMSD01	05/07/12 08:02	1
STD1078144 *	45402	SMSD0105/07/12-1137~S1050712C	SIMCAL2.D	S1050712C	1	SMSD01	05/07/12 08:25	1
STD1078143 *	45401	SMSD0105/07/12-1137~S1050712C	SIMCAL3.D	S1050712C	1	SMSD01	05/07/12 08:49	1
STD1078142 *	45400	SMSD0105/07/12-1137~S1050712C	SIMCAL4.D	S1050712C	1	SMSD01	05/07/12 09:13	1
STD1078141 *	45399	SMSD0105/07/12-1137~S1050712C	SIMCAL5.D	S1050712C	1	SMSD01	05/07/12 09:37	1
STD1078150 *	46068	SMSD0105/07/12-1137~S1050712C	SIMCAL6.D	S1050712C	1	SMSD01	05/07/12 10:01	1

* Sample IDs for calibration items are system generated

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8270_SIM

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD1078140 *	45397	SMSD0105/07/12-1137~S1050712C	SIMCAL7.D	S1050712C	1	SMSD01	05/07/12 10:25	1
STD1078139 *	45396	SMSD0105/07/12-1137~S1050712C	SIMCAL8.D	S1050712C	1	SMSD01	05/07/12 10:49	1
STD1078138 *	45395	SMSD0105/07/12-1137~S1050712C	SIMCAL9.D	S1050712C	1	SMSD01	05/07/12 11:13	1
STD1078137 *	45394	SMSD0105/07/12-1137~S1050712C	SIMCAL10.D	S1050712C	1	SMSD01	05/07/12 11:37	1
SSC1078135 *	44830	SMSD0105/07/12-1137~S1050712C	SIMSEC.D	S1050712C	1	SMSD01	05/07/12 12:01	1
DFT1078234 *	45777	SMSD0105/07/12-1137~S1050712C	DFTPP1.D	S1050812	1	SMSD01	05/08/12 07:06	1
CCV1078235 *	46068	SMSD0105/07/12-1137~S1050712C	SIMCCV1.D	S1050812	1	SMSD01	05/08/12 07:26	1
EPAFMC-SD-04	350583504	SMSD0105/07/12-1137~S1050712C	83504.D	S1050812	1	SMSD01	05/08/12 11:33	1
EPAFMC-SD-06	350583506	SMSD0105/07/12-1137~S1050712C	83506D200.D	S1050812	1	SMSD01	05/08/12 12:45	200
EPAFMC-SD-05	350583505	SMSD0105/07/12-1137~S1050712C	83505D200.D	S1050812	1	SMSD01	05/08/12 13:09	200
EPAFMC-SD-01DL1	350583501DL1	SMSD0105/07/12-1137~S1050712C	83501D200.D	S1050812	1	SMSD01	05/08/12 13:33	200
EPAFMC-SD-02DL1	350583502DL1	SMSD0105/07/12-1137~S1050712C	83502D200.D	S1050812	1	SMSD01	05/08/12 18:08	200
EPAFMC-SD-03DL1	350583503DL1	SMSD0105/07/12-1137~S1050712C	83503D50.D	S1050812	1	SMSD01	05/08/12 18:32	50
EPAFMC-SD-04DL1	350583504DL1	SMSD0105/07/12-1137~S1050712C	83504D5.D	S1050812	1	SMSD01	05/08/12 18:56	5
DFT1078584 *	45777	SMSD0105/07/12-1137~S1050712C	DFTPP1.D	S1050912	1	SMSD01	05/09/12 07:06	1
CCV1078585 *	46068	SMSD0105/07/12-1137~S1050712C	SIMCCV1.D	S1050912	1	SMSD01	05/09/12 07:25	1
EPAFMC-SD-01MS	350583507	SMSD0105/07/12-1137~S1050712C	83507D200.D	S1050912	1	SMSD01	05/09/12 14:17	200
EPAFMC-SD-05DL1	350583505DL1	SMSD0105/07/12-1137~S1050712C	83505D50K.D	S1050912	1	SMSD01	05/09/12 14:42	50000
EPAFMC-SD-06DL1	350583506DL1	SMSD0105/07/12-1137~S1050712C	83506D50K.D	S1050912	1	SMSD01	05/09/12 15:07	50000
EPAFMC-SD-01SD	350583508	SMSD0105/07/12-1137~S1050712C	83508D200.D	S1050912	1	SMSD01	05/09/12 15:32	200

* Sample IDs for calibration items are system generated

Extraction Method	3545

Extraction Log 8270 SIM Soil Ext

Batch ID 9282

Start: 5/2/2012 10:00:00 AM
End: 5/3/2012 8:05:21 AM

Water Bath Temp: 70 °C

Thermometer ID: stbA **Balance ID:** P35923

Final

Batch ID: 9282

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350583501	1	EPAFMC-SD-01	4/23/2012 1:35:00 PM	SAMPLE	none	brown	soil	25.24 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583502	1	EPAFMC-SD-02	4/23/2012 1:45:00 PM	SAMPLE	none	brown	soil	25.73 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583503	1	EPAFMC-SD-03	4/23/2012 1:55:00 PM	SAMPLE	none	brown	soil	25.26 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583504	1	EPAFMC-SD-04	4/23/2012 2:10:00 PM	SAMPLE	none	brown	soil	25.06 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583505	1	EPAFMC-SD-05	4/23/2012 2:20:00 PM	SAMPLE	fuel	black	gravel	5.67 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583506	1	EPAFMC-SD-06	4/23/2012 2:25:00 PM	SAMPLE	fuel	black	gravel	5.19 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583507	1	EPAFMC-SD-01MS	4/23/2012 1:35:00 PM	MS	none	brown	soil	25.1 G	1 mL		1mL 8270 SIM_Spike: 45427 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350583508	1	EPAFMC-SD-01SD	4/23/2012 1:35:00 PM	MSD	none	brown	soil	25.53 G	1 mL		1mL 8270 SIM_Spike: 45427 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350588801	1	PX-S05-SS04-0412	4/27/2012 2:20:00 PM	SAMPLE	none	brown	soil	25.66 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a

350583504 350583505

644

Batch ID: 9282

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350588802	1	PX-S05-SS05-0412	4/27/2012 2:47:00 PM	SAMPLE	none	brown	soil	25.14 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350588803	1	PX-S05-SS06-0412	4/27/2012 2:33:00 PM	SAMPLE	none	brown	soil	25.91 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350588804	1	PX-S05-SS07-0412	4/27/2012 2:01:00 PM	SAMPLE	none	brown	soil	25.92 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350588805	1	PX-S05-SS08-0412	4/27/2012 3:03:00 PM	SAMPLE	none	brown	clay	25.77 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
350589201	1	EPAFMC-SD-30	4/26/2012 9:55:00 AM	SAMPLE	none	brown	gravel	25.73 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
128646MB	1	128646MB		MB	none	tan	sand	20.34 G	1 mL		1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a
128647LCS	1	128647LCS		LCS	none	tan	sand	20.61 G	1 mL		1mL 8270 SIM_Spike: 45427 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 45981 @ 0.5 ug/mL;		n a

2005835

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Batch ID: 9282

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent 46025

Final Solvent 46025

Cellulose Filter 45671

Hydromatrix 46004

Name: Tammy Reuter Title: Prep Tech 5/3/2012 8:05:21 AM

Analyst Posted treuter Date

5/3/2012 8:13:05 AM

Peer Reviewed rbennett Date

Signature:
Name: Mark Jacobs **Title:** Chemist 5/3/2012 3:14:

Analyst Reviewed mjacobs Date

3505835

Comments:

Sample Comments

Lab ID	Client ID	Comments
128646MB	128646MB	
128647LCS	128647LCS	
350583501	EPAFMC-SD-01	
350583502	EPAFMC-SD-02	
350583503	EPAFMC-SD-03	
350583504	EPAFMC-SD-04	
350583505	EPAFMC-SD-05	sample had oil sheen
350583506	EPAFMC-SD-06	sample had oil sheen

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350583507		EPAFMC-SD-01MS											
350583508		EPAFMC-SD-01SD											
350588801		PX-S05-SS04-0412											
350588802		PX-S05-SS05-0412											
350588803		PX-S05-SS06-0412											
350588804		PX-S05-SS07-0412											
350588805		PX-S05-SS08-0412											
350589201		EPAFMC-SD-30											

3505835

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
34668	8270BNSURRSTK	NSI Solutions, Inc.	C-376M-47	5/31/2012	1 ML	5/27/2010	troberts

5000 UG/ML: 2-Fluorobiphenyl, Nitrobenzene-d5, p-Terphenyl-d14

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42031	8270_DFTPP_STK_1	NSI C-491	C-491-09	7/31/2012	1.5 ML	6/21/2011	mjacobs

500 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42204	8310_RTK1MN_STK	Restek 31283	A073339	4/30/2017	1 ML	7/8/2011	tcolcord

1000 UG/ML: 1-Methylnaphthalene

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42209	8310_ARHYDRO_STK	Restek 31458	A076905	10/17/2017	1 ML	7/8/2011	tcolcord

1000 UG/ML: 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43662	8270_IS_STK	Mitkem	SI111027a	10/27/2012	10 ML	11/1/2011	cabadia

2000 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43663	8270_IS_STK	Mitkem	SI111027a	10/27/2012	10 ML	11/1/2011	cabadia

2000 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43992	DCM	Honeywell	DF335	12/1/2012	200 L	12/1/2011	dyoung

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44067	8270_SEC_STK	NSI Q-2945	120511-25	12/5/2012	1 ML	12/8/2011	cabadia

150 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
300 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44223	8270 SIM_IS Soln			6/15/2012	10 ML	12/15/2011	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43663: 200 UL 43992: 9800 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44409	8270_PHENOL_STK	Ultra Scientific US-	CE-1838Z	9/30/2013	1 ML	1/4/2012	cabadia

2000 UG/ML: 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Pentachlorophenol, Phenol

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44494	8270 SIM_1,4-Dibromobe	NSI Q-5330Me	120908-01	12/31/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 1,4-Dibromobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44499	8270 SIM_1,4-Dibromobe	NSI Q-5330MeOH	120908-01	12/30/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 1,4-Dibromobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44504	8270 SIM_4Bromochlorob	NSI Q-5329Me	120908-01	12/30/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 4-Bromochlorobenzene							

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44509	8270 SIM_4-Bromochloro	NSI Q-5329MeOH	120908-01	12/30/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 4-Bromochlorobenzene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44514	8270 SIM_1-Bromohexan	NSI Q-5328Me	120908-01	12/30/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 1-Bromohexane							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44519	8270 SIM_1-Bromohexan	NSI Q-5328MeOH	120908-01	12/30/2013	1 ML	1/9/2012	cabadia
2000 UG/ML: 1-Bromohexane							

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44614	DCM	Honeywell	DD930	1/16/2017	16 L	1/16/2012	dyoung

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44725	8270 SIM_TOP			5/31/2012	10 ML	1/23/2012	NSUBAR

10 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene

COMPOSED OF:

34668: 20 UL 42204: 100 UL 42209: 100 UL 44409: 50 UL 44494: 50 UL 44504: 50 UL 44514: 50 UL 44614: 9.73 ML

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44815	DCM	Honeywell	DF388	1/30/2013	200 L	1/30/2012	TREUTER

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44829	8270 SIM_INT SEC			7/30/2012	5 ML	1/30/2012	mjacobs

10 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dibromobenzene, 1,4-Dichlorobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
20 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

44067: 333.33 UL 44499: 25 UL 44509: 25 UL 44519: 25 UL 44815: 5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44830	8270 SIM_SEC			6/15/2012	1 ML	1/30/2012	mjacobs

0.5 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dibromobenzene, 1,4-Dichlorobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
1 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

44223: 20 UL 44815: 950 UL 44829: 50 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44847	DFTPP_std			7/31/2012	5 ML	1/31/2012	nsubar

50 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

COMPOSED OF:

42031: 500 UL 44815: 4500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45265	DCM	Honeywell	DF656	3/6/2013	200 L	3/6/2012	jbowman

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45267	8270 SIM_IS Soln			9/6/2012	10 ML	3/6/2012	nsubar

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43662: 200 UL 45265: 9800 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45369	8270 SIM_IS Soln			9/14/2012	10 ML	3/14/2012	nsubar

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43662: 200 UL 45265: 9800 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45396	8270 SIM_CAL8			5/31/2012	1 ML	3/15/2012	nsubar

0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
1 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene

COMPOSED OF:

44725: 100 UL 45265: 900 UL 45369: 20 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45397	8270 SIM_CAL7			5/31/2012	1 ML	3/15/2012	nsubar

0.7 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 70 UL 45265: 930 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45399	8270 SIM_CAL5			5/31/2012	1 ML	3/15/2012	nsubar

0.2 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

STANDARDS LOG

COMPOSED OF:

44725: 20 UL 45265: 980 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45400	8270 SIM_CAL4			5/31/2012	1 ML	3/15/2012	nsubar

0.1 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 10 UL 45265: 990 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45401	8270 SIM_CAL3			5/31/2012	1 ML	3/15/2012	nsubar

0.07 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 7 UL 45265: 993 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45402	8270 SIM_CAL2			5/31/2012	1 ML	3/15/2012	nsubar

0.05 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 5 UL 45265: 995 UL 45369: 20 UL

3505835

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45403	8270 SIM_CAL1			5/31/2012	1 ML	3/15/2012	nsubar

0.02 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 2 UL 45265: 998 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45548	DCM	Honeywell	DF740	3/28/2013	200 L	3/28/2012	dyoung

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45772	8270 SIM_CAL6			5/31/2012	1 ML	4/10/2012	mjacobs

0.5 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 50 UL 45369: 20 UL 45548: 950 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45777	DFTPP_std			7/31/2012	5 ML	4/10/2012	mjacobs

50 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

COMPOSED OF:

42031: 500 UL 45548: 4500 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45779	8270 SIM_CAL9			5/31/2012	1 ML	4/10/2012	mjacobs

0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
5 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene

COMPOSED OF:

44725: 500 UL 45369: 20 UL 45548: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45782	8270 SIM_CAL10			5/31/2012	1 ML	4/10/2012	mjacobs

0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
10 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene

COMPOSED OF:

44725: 1000 UL 45369: 20 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45850	DCM	Honeywell	DF914	4/16/2013	200 L	4/16/2012	treuter

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45886	8270 SIM_CAL6			5/31/2012	1 ML	4/20/2012	mjacobs

0.5 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 50 UL 45369: 20 UL 45850: 950 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46025	DCM	Honeywell	DF914	4/30/2013	200 L	4/30/2012	treuter

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46068	8270 SIM_CAL6			5/31/2012	1 ML	5/7/2012	mjacobs

0.5 UG/ML: 1,4-Dibromobenzene, 1-Bromohexane, 1-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Bromochlorobenzene, 4-Chloro-3-methylphenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

44725: 50 UL 45267: 20 UL 46025: 950 UL

3505835

657

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D
Report Date: 10-May-2012 13:15

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D
Lab Smp Id: 44847 Client Smp ID: DFTPP1
Inj Date : 10-APR-2012 07:08 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : 44847
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DoDTUN.m
Meth Date : 27-Apr-2012 15:01 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

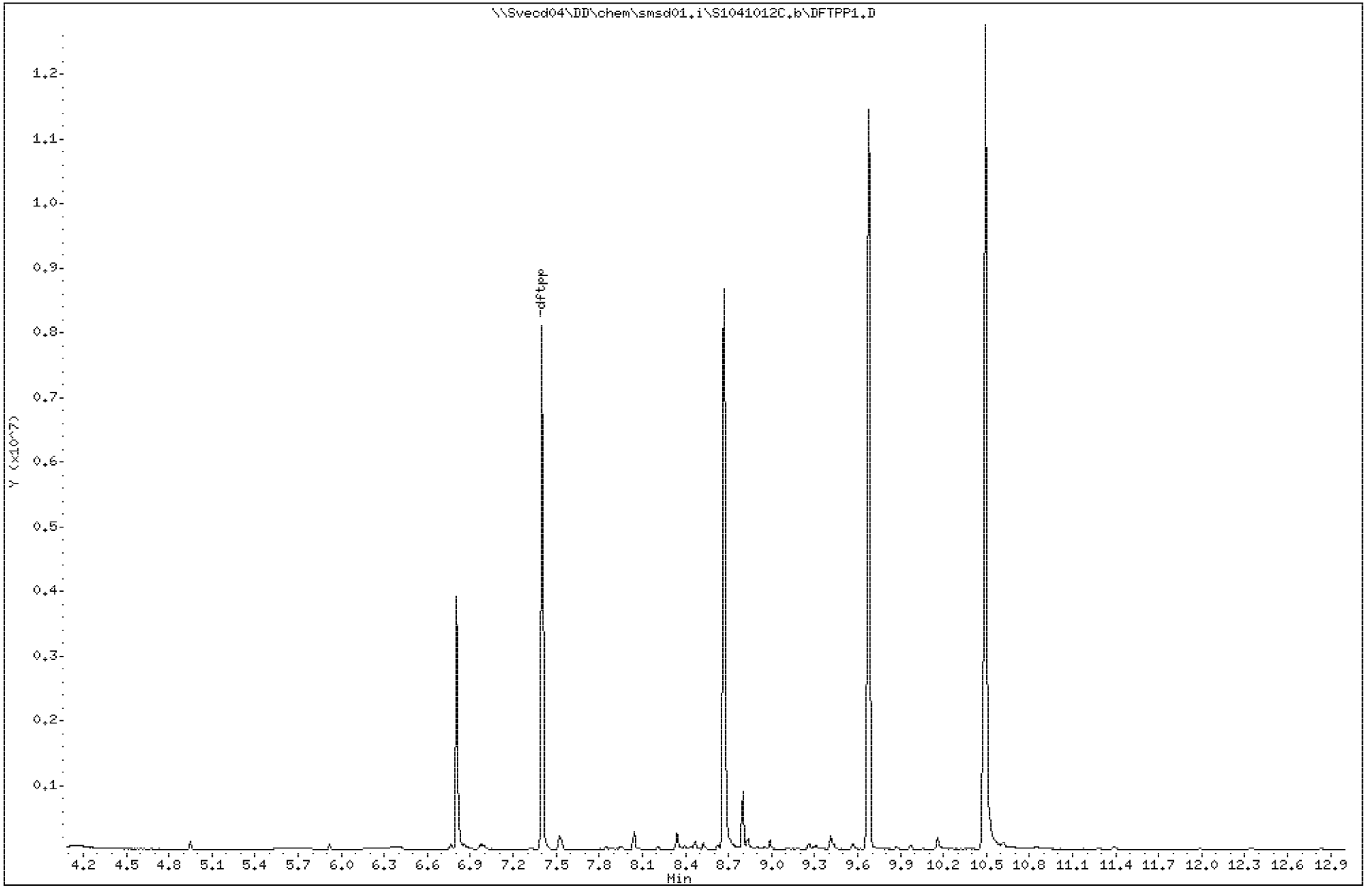
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.403	7.610	(0.000)	198	729088			0.00- 100.00	100.00
7.403	7.610	(0.000)	51	267968			10.00- 80.00	36.75
7.403	7.610	(0.000)	68	5279			0.00- 2.00	1.64
7.403	7.610	(0.000)	69	321024			0.00- 0.00	44.03
7.403	7.610	(0.000)	70	2215			0.00- 2.00	0.69
7.403	7.610	(0.000)	127	368064			10.00- 80.00	50.48
7.403	7.610	(0.000)	197	3718			0.00- 2.00	0.51
7.403	7.610	(0.000)	199	48872			5.00- 9.00	6.70
7.403	7.610	(0.000)	275	183616			10.00- 60.00	25.18
7.403	7.610	(0.000)	365	23608			1.00- 0.00	3.24
7.403	7.610	(0.000)	441	63552			0.01- 24.00	14.62
7.403	7.610	(0.000)	442	434624			50.00- 0.00	59.61
7.403	7.610	(0.000)	443	83280			15.00- 24.00	19.16

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D
Date : 10-APR-2012 07:08
Client ID: DFTPP1 Instrument: smsd01.i
Sample Info: 44847
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00

659



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D

Date : 10-APR-2012 07:08

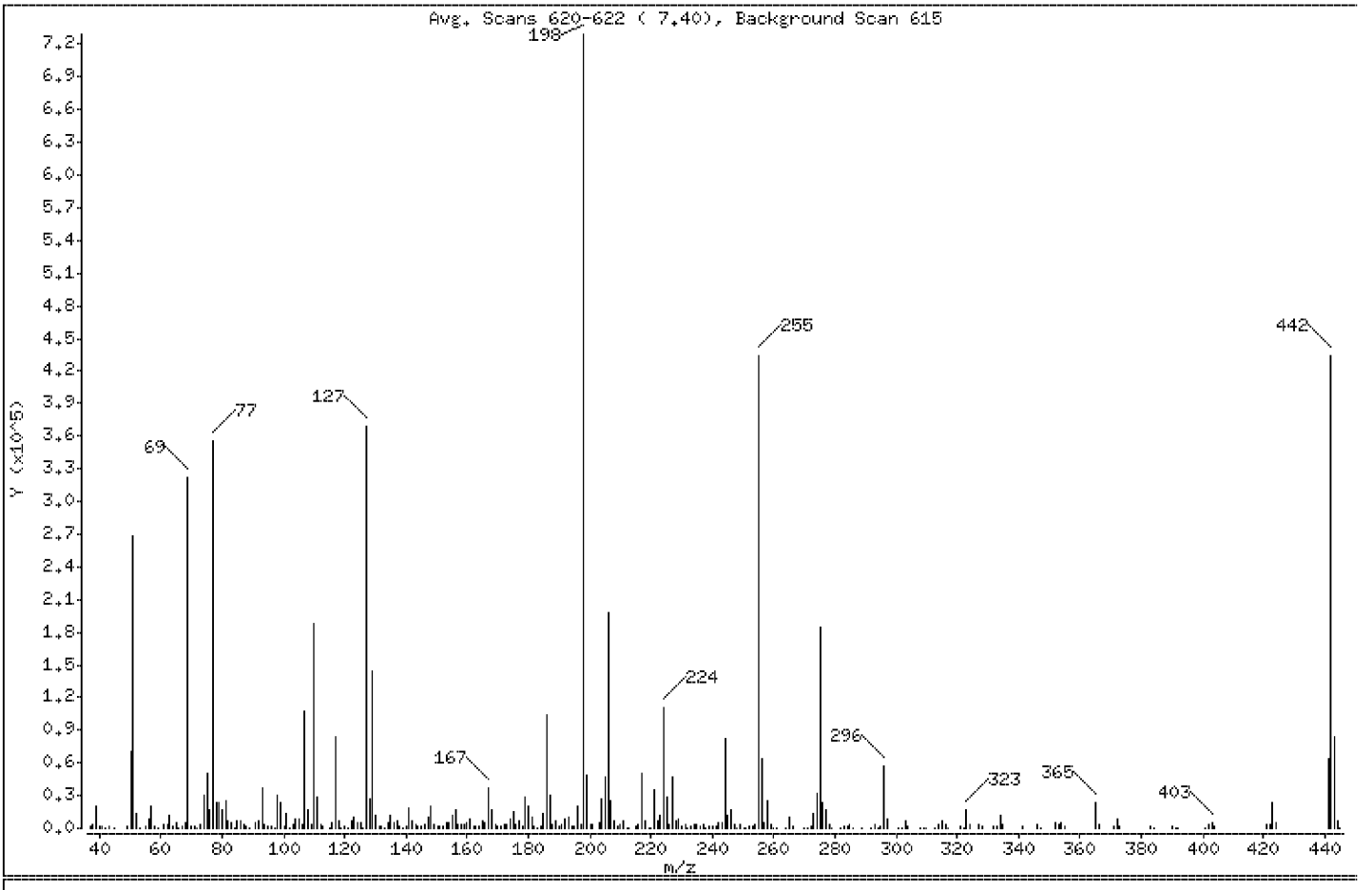
Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 44847

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	36.75
68	Less than 2.00% of mass 69	0.72 (1.64)
69	Mass 69 relative abundance	44.03
70	Less than 2.00% of mass 69	0.30 (0.69)
127	10.00 - 80.00% of mass 198	50.48
197	Less than 2.00% of mass 198	0.51
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 60.00% of mass 198	25.18
365	Greater than 1.00% of mass 198	3.24
441	0.01 - 24.00% of mass 442	8.72 (14.62)
442	Greater than 50.00% of mass 198	59.61
443	15.00 - 24.00% of mass 442	11.42 (19.16)

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D

Date : 10-APR-2012 07:08

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 44847

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 620-622 (7.40), Background Scan 615
Location of Maximum: 198.00
Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1162	119.00	549	193.00	9625	274.00	32136
38.00	3409	120.00	1441	194.00	2035	275.00	183616
39.00	19984	121.00	250	195.00	872	276.00	23376
40.00	942	122.00	6325	196.00	20944	277.00	16464
41.00	1441	123.00	10713	197.00	3718	278.00	2608
42.00	457	124.00	4648	198.00	729088	279.00	327
43.00	1826	125.00	4256	199.00	48872	282.00	263
45.00	765	126.00	365	200.00	4033	283.00	1907
49.00	2253	127.00	368064	201.00	3531	284.00	1274
50.00	70840	128.00	27528	203.00	5194	285.00	3055
51.00	267968	129.00	143680	204.00	27200	286.00	225
52.00	13416	130.00	11977	205.00	47024	289.00	551
53.00	539	131.00	2477	206.00	198080	292.00	578
55.00	2063	132.00	891	207.00	25144	293.00	3428
56.00	8708	133.00	286	208.00	6558	294.00	503
57.00	20344	134.00	4338	209.00	2421	295.00	1090
58.00	1818	135.00	11015	210.00	3040	296.00	56736
59.00	397	136.00	4618	211.00	7514	297.00	7765
61.00	3517	137.00	5915	212.00	387	301.00	249
62.00	3912	138.00	1319	213.00	276	302.00	612
63.00	11949	139.00	463	215.00	2008	303.00	6013
64.00	1507	140.00	1745	216.00	4098	304.00	1792
65.00	5706	141.00	17864	217.00	50944	308.00	593
66.00	273	142.00	5922	218.00	6541	309.00	226
67.00	1024	143.00	4042	219.00	732	310.00	277
68.00	5279	144.00	1231	220.00	389	313.00	238
69.00	321024	145.00	1026	221.00	34840	314.00	2572
70.00	2215	146.00	3273	222.00	6524	315.00	5974
71.00	2406	147.00	9753	223.00	11092	316.00	3309
72.00	289	148.00	20528	224.00	110496	317.00	217
73.00	2661	149.00	4156	225.00	27808	321.00	1687
74.00	30336	150.00	1201	226.00	2873	322.00	714
75.00	51056	151.00	2497	227.00	46704	323.00	16161
76.00	17048	152.00	854	228.00	7056	324.00	3159
77.00	356032	153.00	5809	229.00	9134	327.00	2942

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D

Date : 10-APR-2012 07:08

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 44847

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 620-622 (7.40), Background Scan 615
Location of Maximum: 198.00
Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	23600	154.00	4224	230.00	1789	328.00	1851
79.00	22736	155.00	10984	231.00	4136	332.00	1222
80.00	17552	156.00	16189	232.00	251	333.00	1486
81.00	25696	157.00	3176	233.00	958	334.00	11142
82.00	6662	158.00	3551	234.00	2786	335.00	2834
83.00	5578	159.00	2730	235.00	3370	341.00	2080
84.00	596	160.00	5803	236.00	1900	346.00	3570
85.00	7447	161.00	8279	237.00	3802	347.00	575
86.00	7101	162.00	2196	238.00	290	352.00	5170
87.00	3316	163.00	948	239.00	1921	353.00	3240
88.00	1475	164.00	1018	240.00	1322	354.00	4599
89.00	220	165.00	6769	241.00	2147	355.00	916
91.00	5492	166.00	5198	242.00	5611	365.00	23608
92.00	6343	167.00	36712	243.00	5796	366.00	3578
93.00	37536	168.00	17480	244.00	82872	371.00	1298
94.00	3008	169.00	3011	245.00	11828	372.00	7941
95.00	1311	170.00	1238	246.00	16432	373.00	2067
96.00	2309	171.00	1730	247.00	3180	383.00	2155
97.00	809	172.00	3166	248.00	531	384.00	328
98.00	29360	173.00	3834	249.00	2786	390.00	1110
99.00	23448	174.00	8160	250.00	269	391.00	465
100.00	2084	175.00	14910	251.00	336	392.00	262
101.00	12998	176.00	3852	252.00	924	401.00	277
102.00	669	177.00	6684	253.00	1602	402.00	3066
103.00	4162	178.00	2273	254.00	2750	403.00	4305
104.00	8790	179.00	27760	255.00	433856	404.00	1390
105.00	8210	180.00	19376	256.00	63096	421.00	3324
106.00	2713	181.00	9247	257.00	4927	422.00	2858
107.00	107960	182.00	1637	258.00	25304	423.00	23280
108.00	16090	183.00	821	259.00	3829	424.00	5072
109.00	3194	184.00	2328	260.00	342	441.00	63552
110.00	187776	185.00	12816	261.00	506	442.00	434624
111.00	28168	186.00	103968	264.00	762	443.00	83280
112.00	3878	187.00	29520	265.00	9836	444.00	7188
113.00	1518	188.00	2816	266.00	1726	445.00	228

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\DFTPP1.D

Date : 10-APR-2012 07:08

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 44847

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 620-622 (7.40), Background Scan 615
Location of Maximum: 198.00
Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	240	189.00	6844	270.00	272		
116.00	5483	190.00	1136	271.00	822		
117.00	83176	191.00	2971	272.00	1090		
118.00	5899	192.00	8727	273.00	13195		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/10/2012 08:02

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/27/2012 15:12

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/27/2012 16:27

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/30/2012 11:11

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/30/2012 17:14

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/01/2012 09:15

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/01/2012 10:02

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/01/2012 10:44

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/01/2012 10:56

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/01/2012 12:34

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 10:24

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 16:53

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 16:59

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/03/2012 15:35

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/04/2012 12:28

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/08/2012 11:41

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:15

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1041012C.b/DFTPP1.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL1.D
Lab Smp Id: 45403 Client Smp ID: SIMCAL1
Inj Date : 10-APR-2012 07:55 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45403
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 03-APR-2012 09:53 Cal File: SIMCAL6.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS				
					CAL-AMT	ON-COL			
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE		RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1		
4.340	4.336	(1.000)	152	20823	0.80000		80.00- 120.00		100.00
4.340	4.336	(1.000)	115	12457			28.57- 88.57		59.82
* 5 Naphthalene-d8							CAS #: 1146-65-2		
5.492	5.484	(1.000)	136	85805	0.80000		80.00- 120.00		100.00
5.484	5.484	(1.000)	68	4981			0.00- 35.93		5.81
6 Naphthalene							CAS #: 91-20-3		
5.508	5.500	(1.003)	128	2310	0.02000	0.020	80.00- 120.00		100.00
5.508	5.500	(1.003)	129	193			0.00- 39.63		8.35
8 2-Methylnaphthalene							CAS #: 91-57-6		
6.240	6.166	(1.136)	142	1152	0.02000	0.017	80.00- 120.00		100.00(M)
6.240	6.166	(1.136)	141	873			51.95- 111.95		75.78
9 1-Methylnaphthalene							CAS #: 90-12-0		
6.292	6.261	(1.146)	142	1854	0.02000	0.022	80.00- 120.00		100.00
6.292	6.261	(1.146)	141	1530			52.51- 112.51		82.52
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8		
6.565	6.523	(0.915)	172	1626	0.02000	0.020	80.00- 120.00		100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.565	6.523	(0.915)	171	494			3.69- 63.69	30.38
12 Acenaphthylene						CAS #: 208-96-8		
7.043	7.034	(0.982)	152	1928	0.02000	0.019	80.00- 120.00	100.00
7.043	7.034	(0.982)	151	411			0.00- 49.24	21.32
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.175	7.175	(1.000)	164	48484	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	46020			64.85- 124.85	94.92
14 Acenaphthene						CAS #: 83-32-9		
7.201	7.201	(1.004)	153	1501	0.02000	0.020	80.00- 120.00	100.00
7.210	7.201	(1.005)	154	1505			59.68- 119.68	100.27
16 Fluorene						CAS #: 86-73-7		
7.782	7.720	(1.085)	166	1356	0.02000	0.018	80.00- 120.00	100.00
7.773	7.720	(1.083)	165	1333			47.62- 107.62	98.30
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.633	8.626	(1.000)	188	89380	0.80000		80.00- 120.00	100.00
8.626	8.626	(1.000)	94	8121			0.00- 39.40	9.09
18 Phenanthrene						CAS #: 85-01-8		
8.659	8.652	(1.003)	178	2108	0.02000	0.019	80.00- 120.00	100.00
8.659	8.652	(1.003)	179	339			0.00- 45.04	16.08
19 Anthracene						CAS #: 120-12-7		
8.736	8.710	(1.012)	178	1667	0.02000	0.019	80.00- 120.00	100.00(M)
8.736	8.710	(1.012)	179	84			0.00- 44.80	5.04
21 Fluoranthene						CAS #: 206-44-0		
9.854	9.823	(1.141)	202	2502	0.02000	0.020	80.00- 120.00	100.00
9.848	9.823	(1.141)	101	181			0.00- 40.85	7.23
22 Pyrene						CAS #: 129-00-0		
10.068	10.042	(0.897)	202	2734	0.02000	0.021	80.00- 120.00	100.00
10.061	10.042	(0.897)	200	468			0.00- 50.19	17.12
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.218	10.193	(0.911)	244	1748	0.02000	0.020	80.00- 120.00	100.00
10.212	10.193	(0.910)	122	146			0.00- 40.59	8.35
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.215	11.209	(0.999)	228	1461	0.02000	0.017	80.00- 120.00	100.00
11.215	11.209	(0.999)	229	288			0.00- 49.43	19.71
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.222	11.222	(1.000)	240	91381	0.80000		80.00- 120.00	100.00(M)
11.215	11.222	(0.999)	120	9600			0.00- 41.24	10.51
27 Chrysene						CAS #: 218-01-9		
11.247	11.247	(1.002)	228	3358	0.02000	0.022	80.00- 120.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.247	11.247	(1.002)	226	802			0.00- 54.11	23.88
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.209	12.194	(0.974)	252	1664	0.02000	0.017	80.00- 120.00	100.00
12.209	12.194	(0.974)	253	356			0.00- 51.13	21.39
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.231	12.216	(0.976)	252	3425	0.02000	0.021	80.00- 120.00	100.00(H)
12.231	12.216	(0.976)	253	1496			0.00- 51.67	43.68
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.484	12.480	(0.996)	252	1452	0.02000	0.016	80.00- 120.00	100.00
12.484	12.480	(0.996)	253	351			0.00- 50.99	24.17
* 33 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	87098	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	20102			0.00- 52.82	23.08
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.588	13.554	(1.084)	276	2169	0.02000	0.016	80.00- 120.00	100.00
13.592	13.554	(1.085)	138	576			0.00- 53.64	26.56
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.607	13.562	(1.086)	278	1644	0.02000	0.015	80.00- 120.00	100.00
13.610	13.562	(1.086)	139	105			0.00- 45.19	6.39
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.864	13.841	(1.106)	276	2267	0.02000	0.018	80.00- 120.00	100.00
13.860	13.841	(1.106)	138	425			0.00- 49.06	18.75

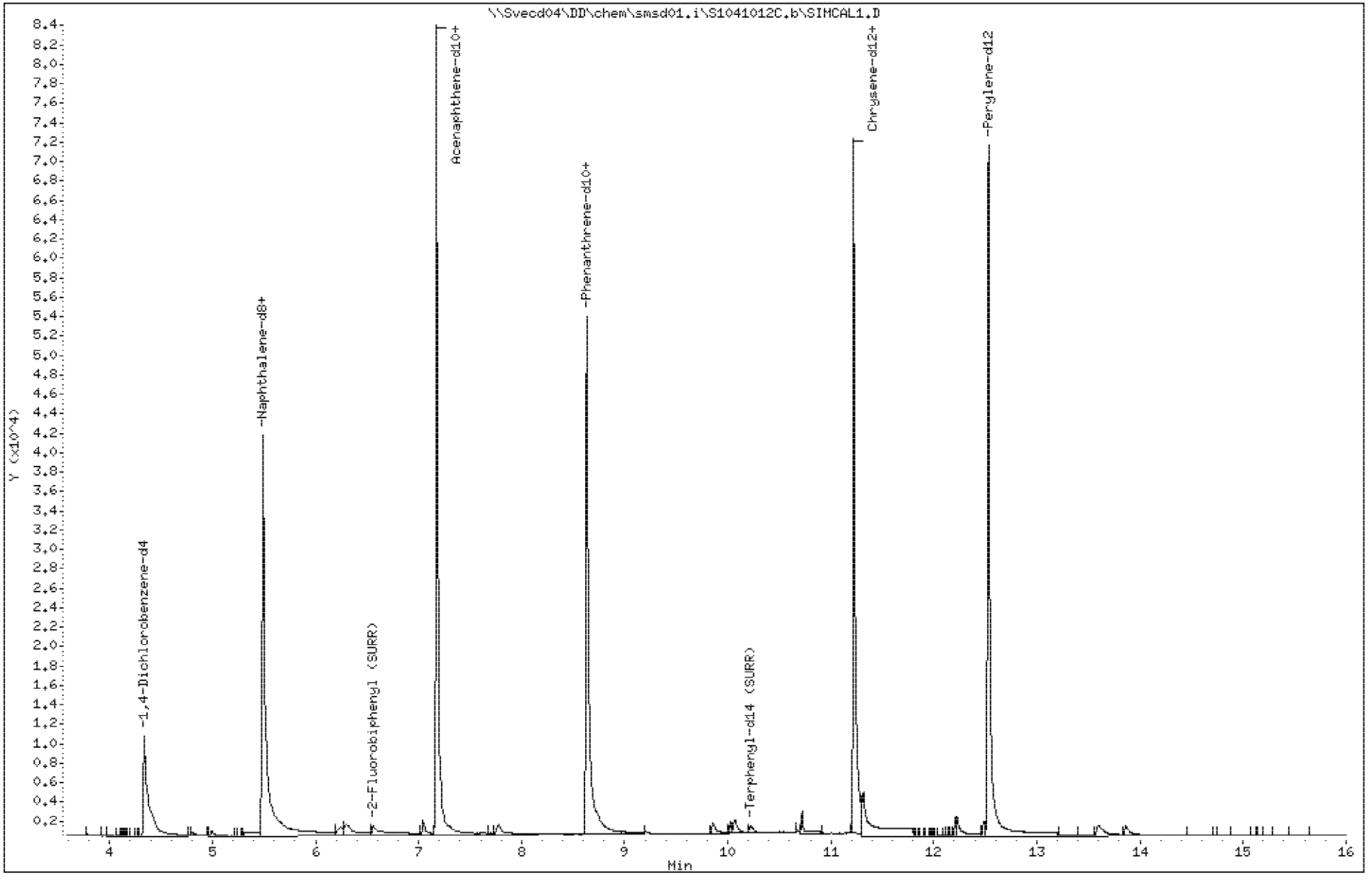
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL1.D
Date : 10-APR-2012 07:55
Client ID: SIMCAL1
Instrument: smsd01.i
Sample Info: 45403
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

669

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL2.D
Lab Smp Id: 45402 Client Smp ID: SIMCAL2
Inj Date : 10-APR-2012 08:19 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45402
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 08:19 Cal File: SIMCAL2.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.340	4.336	(1.000)	152	21620	0.80000		80.00- 120.00	100.00
4.340	4.336	(1.000)	115	12646			28.57- 88.57	58.49
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.492	5.484	(1.000)	136	86002	0.80000		80.00- 120.00	100.00
5.484	5.484	(1.000)	68	5213			0.00- 35.93	6.06
6 Naphthalene							CAS #: 91-20-3	
5.508	5.500	(1.003)	128	5558	0.05000	0.049	80.00- 120.00	100.00
5.508	5.500	(1.003)	129	550			0.00- 39.63	9.90
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.219	6.166	(1.132)	142	2975	0.05000	0.044	80.00- 120.00	100.00(M)
6.229	6.166	(1.134)	141	2368			51.95- 111.95	79.60
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.282	6.261	(1.144)	142	4547	0.05000	0.053	80.00- 120.00	100.00
6.282	6.261	(1.144)	141	3793			52.51- 112.51	83.42
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.554	6.523	(0.914)	172	4213	0.05000	0.049	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.554	6.523	(0.914)	171	1303			3.69- 63.69	30.93
12 Acenaphthylene						CAS #: 208-96-8		
7.043	7.034	(0.982)	152	5085	0.05000	0.048	80.00- 120.00	100.00
7.043	7.034	(0.982)	151	955			0.00- 49.24	18.78
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.175	7.175	(1.000)	164	50408	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	47833			64.85- 124.85	94.89
14 Acenaphthene						CAS #: 83-32-9		
7.202	7.201	(1.004)	153	3859	0.05000	0.049	80.00- 120.00	100.00
7.210	7.201	(1.005)	154	3682			59.68- 119.68	95.41
16 Fluorene						CAS #: 86-73-7		
7.773	7.720	(1.083)	166	3843	0.05000	0.050	80.00- 120.00	100.00(M)
7.773	7.720	(1.083)	165	3529			47.62- 107.62	91.83
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.633	8.626	(1.000)	188	91569	0.80000		80.00- 120.00	100.00
8.627	8.626	(1.000)	94	8378			0.00- 39.40	9.15
18 Phenanthrene						CAS #: 85-01-8		
8.652	8.652	(1.002)	178	5158	0.05000	0.045	80.00- 120.00	100.00
8.652	8.652	(1.002)	179	843			0.00- 45.04	16.34
19 Anthracene						CAS #: 120-12-7		
8.730	8.710	(1.011)	178	3787	0.05000	0.042	80.00- 120.00	100.00
8.730	8.710	(1.011)	179	294			0.00- 44.80	7.76
21 Fluoranthene						CAS #: 206-44-0		
9.842	9.823	(1.140)	202	5614	0.05000	0.044	80.00- 120.00	100.00
9.842	9.823	(1.140)	101	502			0.00- 40.85	8.94
22 Pyrene						CAS #: 129-00-0		
10.055	10.042	(0.896)	202	6532	0.05000	0.050	80.00- 120.00	100.00
10.055	10.042	(0.896)	200	1285			0.00- 50.19	19.67
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.206	10.193	(0.909)	244	4248	0.05000	0.048	80.00- 120.00	100.00
10.206	10.193	(0.909)	122	397			0.00- 40.59	9.35
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.215	11.209	(0.999)	228	3624	0.05000	0.042	80.00- 120.00	100.00
11.215	11.209	(0.999)	229	707			0.00- 49.43	19.51
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.222	11.222	(1.000)	240	93256	0.80000		80.00- 120.00	100.00(M)
11.215	11.222	(0.999)	120	10165			0.00- 41.24	10.90
27 Chrysene						CAS #: 218-01-9		
11.247	11.247	(1.002)	228	7866	0.05000	0.049	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.247	11.247	(1.002)	226	2079			0.00- 54.11	26.43
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.206	12.194	(0.974)	252	4337	0.05000	0.043	80.00- 120.00	100.00
12.206	12.194	(0.974)	253	922			0.00- 51.13	21.26
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.228	12.216	(0.976)	252	8208	0.05000	0.048	80.00- 120.00	100.00
12.228	12.216	(0.976)	253	1616			0.00- 51.67	19.69
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.480	12.480	(0.996)	252	3795	0.05000	0.041	80.00- 120.00	100.00
12.484	12.480	(0.996)	253	834			0.00- 50.99	21.98
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	90008	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	20649			0.00- 52.82	22.94
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.573	13.554	(1.083)	276	6259	0.05000	0.046	80.00- 120.00	100.00
13.577	13.554	(1.083)	138	1243			0.00- 53.64	19.86
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.588	13.562	(1.084)	278	4678	0.05000	0.043	80.00- 120.00	100.00
13.588	13.562	(1.084)	139	520			0.00- 45.19	11.12
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.857	13.841	(1.106)	276	5740	0.05000	0.045	80.00- 120.00	100.00
13.853	13.841	(1.105)	138	1052			0.00- 49.06	18.33

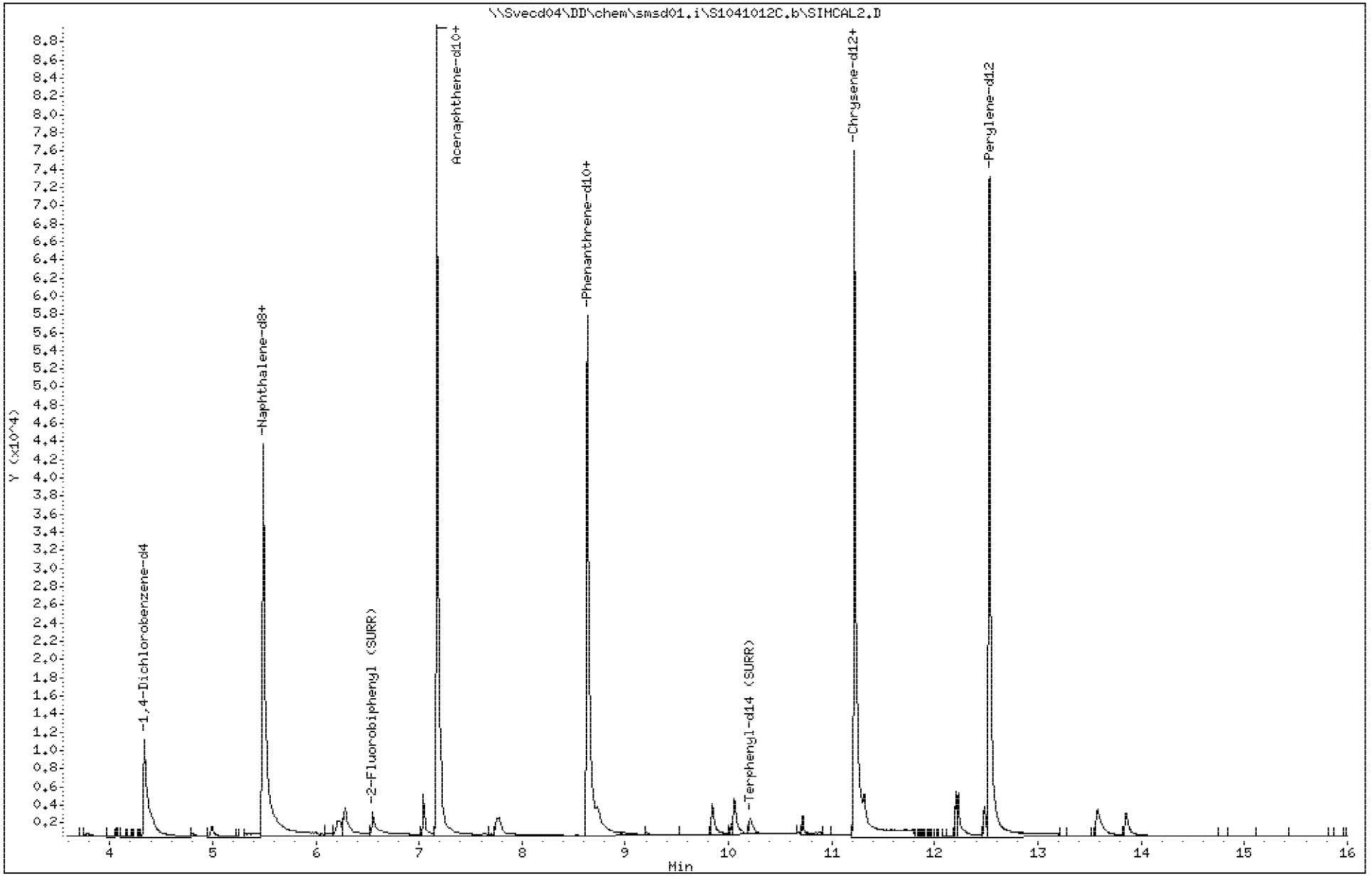
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL2.D
Date : 10-APR-2012 08:19
Client ID: SIMCAL2
Sample Info: 45402
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd01.i
Operator: PEL
Column diameter: 0.25

673



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL3.D
Lab Smp Id: 45401 Client Smp ID: SIMCAL3
Inj Date : 10-APR-2012 08:43 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45401
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 08:43 Cal File: SIMCAL3.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.340	4.336	(1.000)	152	21450	0.80000		80.00- 120.00	100.00
4.340	4.336	(1.000)	115	12429			28.57- 88.57	57.94
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.492	5.484	(1.000)	136	85674	0.80000		80.00- 120.00	100.00
5.484	5.484	(1.000)	68	4820			0.00- 35.93	5.63
6 Naphthalene							CAS #: 91-20-3	
5.508	5.500	(1.003)	128	7705	0.07000	0.068	80.00- 120.00	100.00
5.508	5.500	(1.003)	129	794			0.00- 39.63	10.30
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.208	6.166	(1.130)	142	3996	0.07000	0.060	80.00- 120.00	100.00
6.208	6.166	(1.130)	141	2948			51.95- 111.95	73.77
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.282	6.261	(1.144)	142	5993	0.07000	0.071	80.00- 120.00	100.00
6.282	6.261	(1.144)	141	5369			52.51- 112.51	89.59
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.554	6.523	(0.914)	172	5567	0.07000	0.066	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.554	6.523 (0.914)		171	1863			3.69- 63.69	33.47
12 Acenaphthylene						CAS #: 208-96-8		
7.043	7.034 (0.982)		152	6723	0.07000	0.065	80.00- 120.00	100.00
7.043	7.034 (0.982)		151	1304			0.00- 49.24	19.40
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.175	7.175 (1.000)		164	49357	0.80000		80.00- 120.00	100.00
7.175	7.175 (1.000)		162	45943			64.85- 124.85	93.08
14 Acenaphthene						CAS #: 83-32-9		
7.210	7.201 (1.005)		153	5387	0.07000	0.070	80.00- 120.00	100.00
7.210	7.201 (1.005)		154	4611			59.68- 119.68	85.59
16 Fluorene						CAS #: 86-73-7		
7.773	7.720 (1.083)		166	4858	0.07000	0.065	80.00- 120.00	100.00(M)
7.773	7.720 (1.083)		165	4660			47.62- 107.62	95.92
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.633	8.626 (1.000)		188	88621	0.80000		80.00- 120.00	100.00
8.626	8.626 (1.000)		94	7915			0.00- 39.40	8.93
18 Phenanthrene						CAS #: 85-01-8		
8.652	8.652 (1.002)		178	6995	0.07000	0.063	80.00- 120.00	100.00
8.652	8.652 (1.002)		179	1080			0.00- 45.04	15.44
19 Anthracene						CAS #: 120-12-7		
8.730	8.710 (1.011)		178	5589	0.07000	0.064	80.00- 120.00	100.00
8.730	8.710 (1.011)		179	781			0.00- 44.80	13.97
21 Fluoranthene						CAS #: 206-44-0		
9.842	9.823 (1.140)		202	7345	0.07000	0.060	80.00- 120.00	100.00
9.835	9.823 (1.139)		101	707			0.00- 40.85	9.63
22 Pyrene						CAS #: 129-00-0		
10.055	10.042 (0.896)		202	8519	0.07000	0.074	80.00- 120.00	100.00
10.055	10.042 (0.896)		200	1630			0.00- 50.19	19.13
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.206	10.193 (0.909)		244	5537	0.07000	0.071	80.00- 120.00	100.00
10.206	10.193 (0.909)		122	545			0.00- 40.59	9.84
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.215	11.209 (0.999)		228	4625	0.07000	0.061	80.00- 120.00	100.00
11.215	11.209 (0.999)		229	889			0.00- 49.43	19.22
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.222	11.222 (1.000)		240	82668	0.80000		80.00- 120.00	100.00(M)
11.215	11.222 (0.999)		120	9528			0.00- 41.24	11.53
27 Chrysene						CAS #: 218-01-9		
11.247	11.247 (1.002)		228	10335	0.07000	0.073	80.00- 120.00	100.00

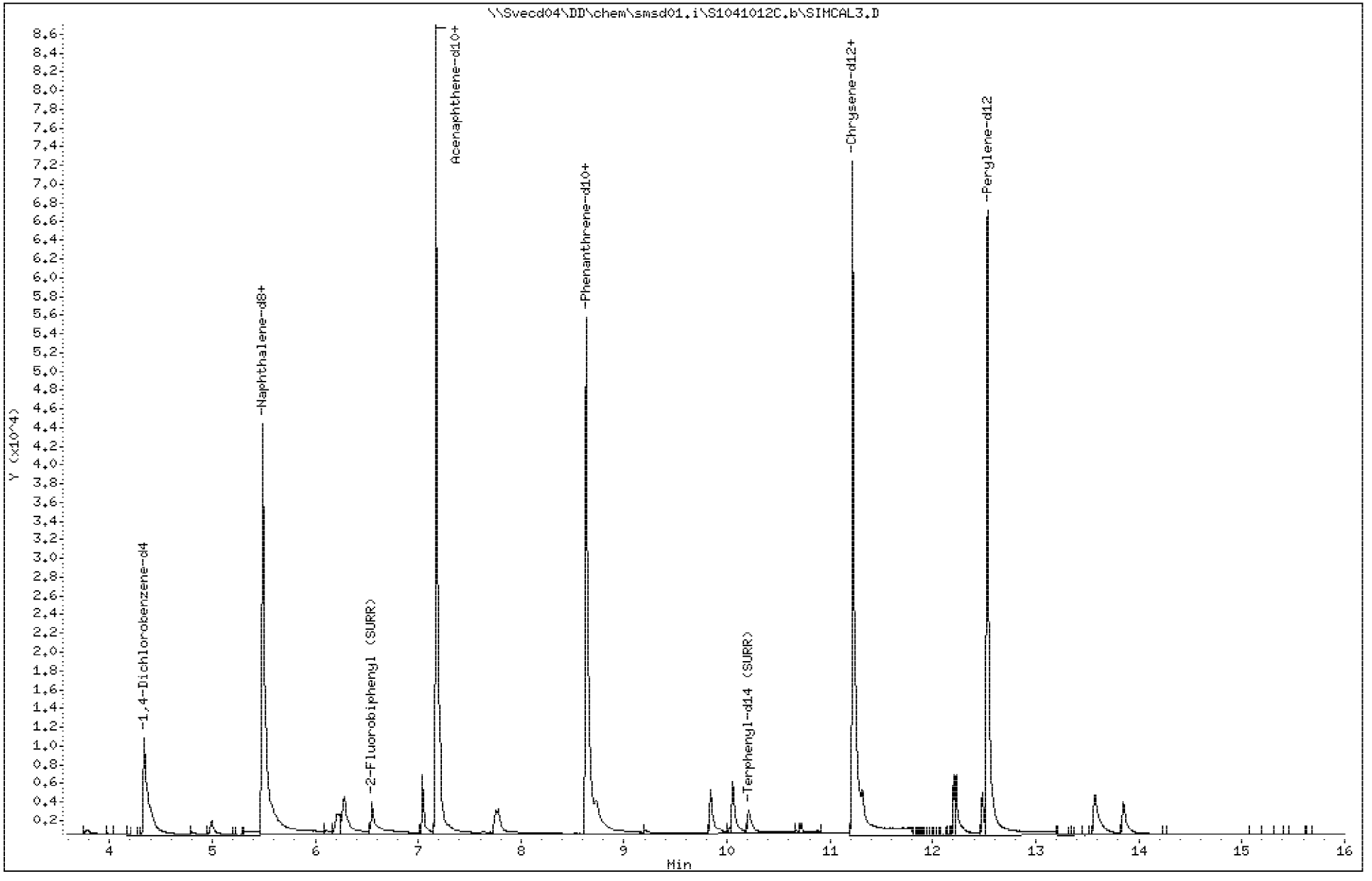
				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.247	11.247	(1.002)	226	2813			0.00- 54.11	27.22
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.205	12.194	(0.974)	252	5981	0.07000	0.063	80.00- 120.00	100.00
12.205	12.194	(0.974)	253	1275			0.00- 51.13	21.32
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.228	12.216	(0.976)	252	10614	0.07000	0.066	80.00- 120.00	100.00
12.228	12.216	(0.976)	253	2140			0.00- 51.67	20.16
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.480	12.480	(0.996)	252	4968	0.07000	0.057	80.00- 120.00	100.00
12.480	12.480	(0.996)	253	1071			0.00- 50.99	21.56
* 33 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	84919	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	18967			0.00- 52.82	22.34
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.569	13.554	(1.083)	276	8379	0.07000	0.065	80.00- 120.00	100.00
13.569	13.554	(1.083)	138	1681			0.00- 53.64	20.06
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.584	13.562	(1.084)	278	6295	0.07000	0.061	80.00- 120.00	100.00
13.584	13.562	(1.084)	139	772			0.00- 45.19	12.26
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.849	13.841	(1.105)	276	7787	0.07000	0.064	80.00- 120.00	100.00
13.849	13.841	(1.105)	138	1573			0.00- 49.06	20.20

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL3.D
Date : 10-APR-2012 08:43
Client ID: SIMCAL3
Instrument: smsd01.i
Sample Info: 45401
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

677



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL4.D
Lab Smp Id: 45400 Client Smp ID: SIMCAL4
Inj Date : 10-APR-2012 09:06 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45400
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:06 Cal File: SIMCAL4.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS				
					CAL-AMT	ON-COL			
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE		RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1		
4.340	4.336	(1.000)	152	21656	0.80000		80.00- 120.00		100.00
4.340	4.336	(1.000)	115	12504			28.57- 88.57		57.74
* 5 Naphthalene-d8							CAS #: 1146-65-2		
5.484	5.484	(1.000)	136	86753	0.80000		80.00- 120.00		100.00
5.484	5.484	(1.000)	68	5477			0.00- 35.93		6.31
6 Naphthalene							CAS #: 91-20-3		
5.508	5.500	(1.004)	128	11382	0.10000	0.099	80.00- 120.00		100.00
5.508	5.500	(1.004)	129	1143			0.00- 39.63		10.04
8 2-Methylnaphthalene							CAS #: 91-57-6		
6.198	6.166	(1.130)	142	5900	0.10000	0.087	80.00- 120.00		100.00
6.198	6.166	(1.130)	141	4781			51.95- 111.95		81.03
9 1-Methylnaphthalene							CAS #: 90-12-0		
6.271	6.261	(1.143)	142	8956	0.10000	0.10	80.00- 120.00		100.00
6.271	6.261	(1.143)	141	7574			52.51- 112.51		84.57
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8		
6.555	6.523	(0.914)	172	8875	0.10000	0.10	80.00- 120.00		100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	
$ 10 2-Fluorobiphenyl (SURR) (continued)									
6.544	6.523 (0.912)		171	2862			3.69- 63.69	32.25	
12 Acenaphthylene							CAS #: 208-96-8		
7.043	7.034 (0.982)		152	9805	0.10000	0.094	80.00- 120.00	100.00	
7.043	7.034 (0.982)		151	1891			0.00- 49.24	19.29	
* 13 Acenaphthene-d10							CAS #: 15067-26-2		
7.175	7.175 (1.000)		164	49952	0.80000		80.00- 120.00	100.00	
7.175	7.175 (1.000)		162	47010			64.85- 124.85	94.11	
14 Acenaphthene							CAS #: 83-32-9		
7.202	7.201 (1.004)		153	7698	0.10000	0.100	80.00- 120.00	100.00	
7.210	7.201 (1.005)		154	6707			59.68- 119.68	87.13	
16 Fluorene							CAS #: 86-73-7		
7.747	7.720 (1.080)		166	7282	0.10000	0.096	80.00- 120.00	100.00	(M)
7.747	7.720 (1.080)		165	6680			47.62- 107.62	91.73	
* 17 Phenanthrene-d10							CAS #: 1517-22-2		
8.633	8.626 (1.000)		188	88551	0.80000		80.00- 120.00	100.00	
8.627	8.626 (1.000)		94	8146			0.00- 39.40	9.20	
18 Phenanthrene							CAS #: 85-01-8		
8.653	8.652 (1.002)		178	9982	0.10000	0.090	80.00- 120.00	100.00	
8.653	8.652 (1.002)		179	1498			0.00- 45.04	15.01	
19 Anthracene							CAS #: 120-12-7		
8.724	8.710 (1.010)		178	8190	0.10000	0.094	80.00- 120.00	100.00	
8.730	8.710 (1.011)		179	1047			0.00- 44.80	12.78	
21 Fluoranthene							CAS #: 206-44-0		
9.836	9.823 (1.139)		202	10641	0.10000	0.087	80.00- 120.00	100.00	
9.829	9.823 (1.139)		101	1096			0.00- 40.85	10.30	
22 Pyrene							CAS #: 129-00-0		
10.055	10.042 (0.896)		202	12287	0.10000	0.10	80.00- 120.00	100.00	
10.049	10.042 (0.895)		200	2550			0.00- 50.19	20.75	
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0		
10.206	10.193 (0.909)		244	8176	0.10000	0.10	80.00- 120.00	100.00	
10.200	10.193 (0.909)		122	873			0.00- 40.59	10.68	
25 Benzo[a]anthracene							CAS #: 56-55-3		
11.209	11.209 (0.999)		228	6820	0.10000	0.087	80.00- 120.00	100.00	
11.209	11.209 (0.999)		229	1328			0.00- 49.43	19.47	
* 26 Chrysene-d12							CAS #: 1719-03-5		
11.222	11.222 (1.000)		240	85520	0.80000		80.00- 120.00	100.00	(M)
11.216	11.222 (0.999)		120	9669			0.00- 41.24	11.31	
27 Chrysene							CAS #: 218-01-9		
11.247	11.247 (1.002)		228	14828	0.10000	0.10	80.00- 120.00	100.00	

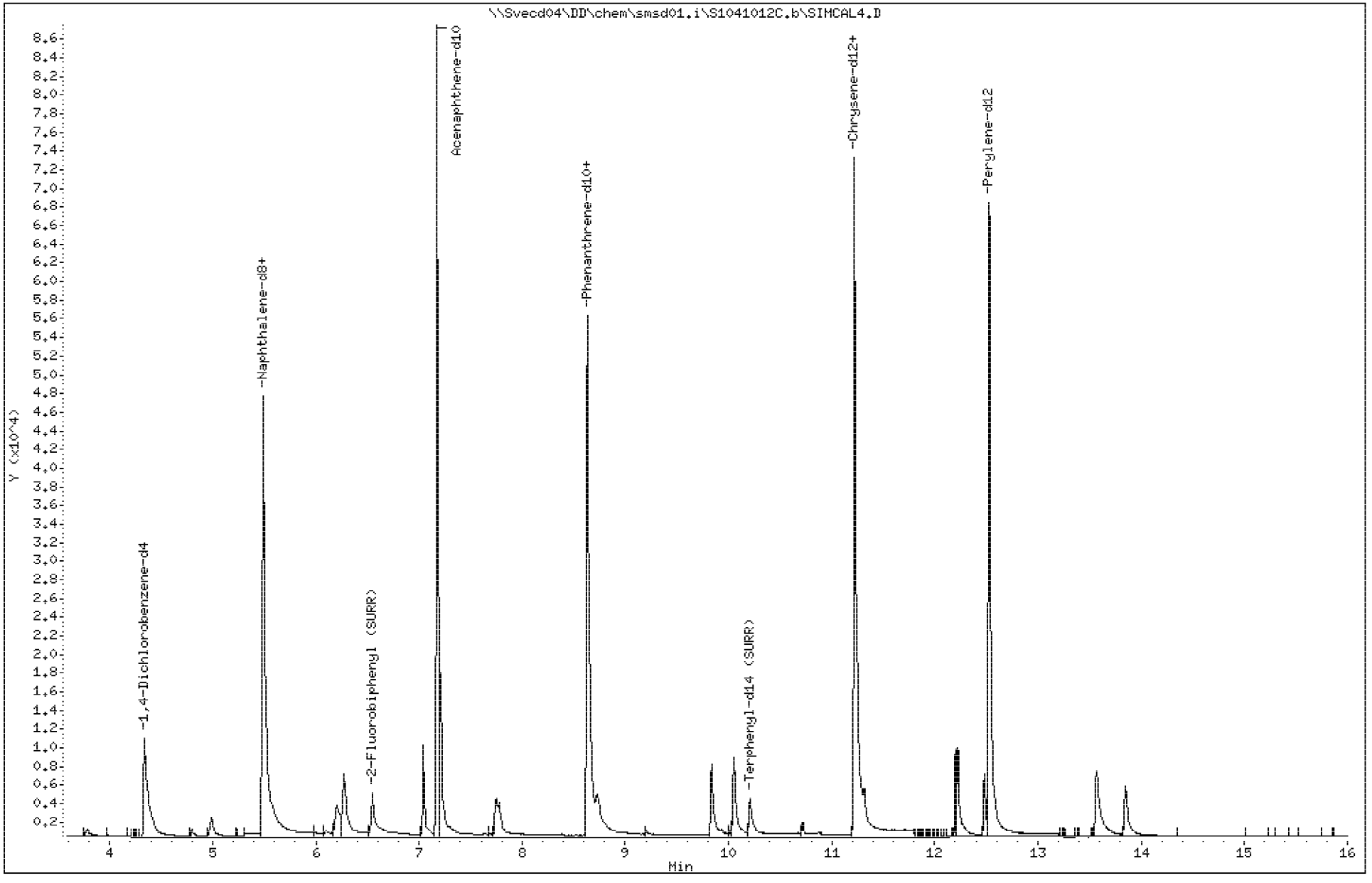
				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.247	11.247	(1.002)	226	4047			0.00- 54.11	27.29
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.202	12.194	(0.974)	252	8511	0.10000	0.090	80.00- 120.00	100.00
12.202	12.194	(0.974)	253	1809			0.00- 51.13	21.25
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.224	12.216	(0.976)	252	15509	0.10000	0.096	80.00- 120.00	100.00
12.224	12.216	(0.976)	253	3259			0.00- 51.67	21.01
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.480	12.480	(0.996)	252	7593	0.10000	0.088	80.00- 120.00	100.00
12.480	12.480	(0.996)	253	1705			0.00- 50.99	22.45
* 33 Perylene-d12						CAS #: 1520-96-3		
12.528	12.532	(1.000)	264	85058	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	19744			0.00- 52.82	23.21
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.566	13.554	(1.083)	276	12072	0.10000	0.094	80.00- 120.00	100.00
13.566	13.554	(1.083)	138	2483			0.00- 53.64	20.57
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.581	13.562	(1.084)	278	9726	0.10000	0.094	80.00- 120.00	100.00
13.573	13.562	(1.083)	139	1321			0.00- 45.19	13.58
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.849	13.841	(1.105)	276	11077	0.10000	0.091	80.00- 120.00	100.00
13.845	13.841	(1.105)	138	2241			0.00- 49.06	20.23

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL4.D
Date : 10-APR-2012 09:06
Client ID: SIMCAL4
Instrument: smsd01.i
Sample Info: 45400
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

681



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL5.D
Lab Smp Id: 45399 Client Smp ID: SIMCAL5
Inj Date : 10-APR-2012 09:30 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45399
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:30 Cal File: SIMCAL5.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.340	4.336 (1.000)		152	20732	0.80000		80.00- 120.00	100.00
	4.336	4.336 (1.000)		115	12182			28.57- 88.57	58.76
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.484	5.484 (1.000)		136	84950	0.80000		80.00- 120.00	100.00
	5.484	5.484 (1.000)		68	5216			0.00- 35.93	6.14
	6 Naphthalene						CAS #: 91-20-3		
	5.508	5.500 (1.004)		128	22216	0.20000	0.20	80.00- 120.00	100.00
	5.508	5.500 (1.004)		129	2394			0.00- 39.63	10.78
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.187	6.166 (1.128)		142	12130	0.20000	0.18	80.00- 120.00	100.00
	6.187	6.166 (1.128)		141	9917			51.95- 111.95	81.76
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.261	6.261 (1.142)		142	17167	0.20000	0.20	80.00- 120.00	100.00
	6.261	6.261 (1.142)		141	14166			52.51- 112.51	82.52
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.544	6.523 (0.912)		172	16495	0.20000	0.20	80.00- 120.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.533	6.523 (0.911)		171	5553			3.69- 63.69	33.66
12 Acenaphthylene							CAS #: 208-96-8	
7.043	7.034 (0.982)		152	19034	0.20000	0.19	80.00- 120.00	100.00
7.043	7.034 (0.982)		151	3718			0.00- 49.24	19.53
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.175	7.175 (1.000)		164	49069	0.80000		80.00- 120.00	100.00
7.175	7.175 (1.000)		162	45734			64.85- 124.85	93.20
14 Acenaphthene							CAS #: 83-32-9	
7.202	7.201 (1.004)		153	14605	0.20000	0.19	80.00- 120.00	100.00
7.202	7.201 (1.004)		154	13506			59.68- 119.68	92.48
16 Fluorene							CAS #: 86-73-7	
7.738	7.720 (1.078)		166	13851	0.20000	0.19	80.00- 120.00	100.00(M)
7.738	7.720 (1.078)		165	12530			47.62- 107.62	90.46
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.633	8.626 (1.000)		188	79638	0.80000		80.00- 120.00	100.00
8.626	8.626 (1.000)		94	7866			0.00- 39.40	9.88
18 Phenanthrene							CAS #: 85-01-8	
8.652	8.652 (1.002)		178	19331	0.20000	0.19	80.00- 120.00	100.00
8.652	8.652 (1.002)		179	3013			0.00- 45.04	15.59
19 Anthracene							CAS #: 120-12-7	
8.717	8.710 (1.010)		178	15621	0.20000	0.20	80.00- 120.00	100.00
8.717	8.710 (1.010)		179	2297			0.00- 44.80	14.70
21 Fluoranthene							CAS #: 206-44-0	
9.829	9.823 (1.139)		202	21254	0.20000	0.19	80.00- 120.00	100.00
9.823	9.823 (1.138)		101	2220			0.00- 40.85	10.45
22 Pyrene							CAS #: 129-00-0	
10.049	10.042 (0.895)		202	23257	0.20000	0.20	80.00- 120.00	100.00
10.049	10.042 (0.895)		200	4675			0.00- 50.19	20.10
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.199	10.193 (0.909)		244	16123	0.20000	0.20	80.00- 120.00	100.00
10.199	10.193 (0.909)		122	1711			0.00- 40.59	10.61
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.209	11.209 (0.999)		228	13906	0.20000	0.18	80.00- 120.00	100.00
11.209	11.209 (0.999)		229	2689			0.00- 49.43	19.34
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.222	11.222 (1.000)		240	85150	0.80000		80.00- 120.00	100.00
11.215	11.222 (1.000)		120	9515			0.00- 41.24	11.17
27 Chrysene							CAS #: 218-01-9	
11.247	11.247 (1.002)		228	28757	0.20000	0.20	80.00- 120.00	100.00(M)

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.247	11.247	(1.002)	226	7751			0.00- 54.11	26.95
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.198	12.194	(0.973)	252	16582	0.20000	0.18	80.00- 120.00	100.00
12.198	12.194	(0.973)	253	3966			0.00- 51.13	23.92
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.224	12.216	(0.975)	252	30608	0.20000	0.19	80.00- 120.00	100.00
12.224	12.216	(0.975)	253	6238			0.00- 51.67	20.38
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.480	12.480	(0.996)	252	15573	0.20000	0.18	80.00- 120.00	100.00
12.480	12.480	(0.996)	253	3461			0.00- 50.99	22.22
* 33 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	82967	0.80000		80.00- 120.00	100.00
12.532	12.532	(1.000)	260	18956			0.00- 52.82	22.85
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.562	13.554	(1.082)	276	23686	0.20000	0.19	80.00- 120.00	100.00
13.558	13.554	(1.082)	138	5435			0.00- 53.64	22.95
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.569	13.562	(1.083)	278	18197	0.20000	0.18	80.00- 120.00	100.00
13.569	13.562	(1.083)	139	2475			0.00- 45.19	13.60
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.845	13.841	(1.105)	276	21574	0.20000	0.18	80.00- 120.00	100.00
13.845	13.841	(1.105)	138	4365			0.00- 49.06	20.23

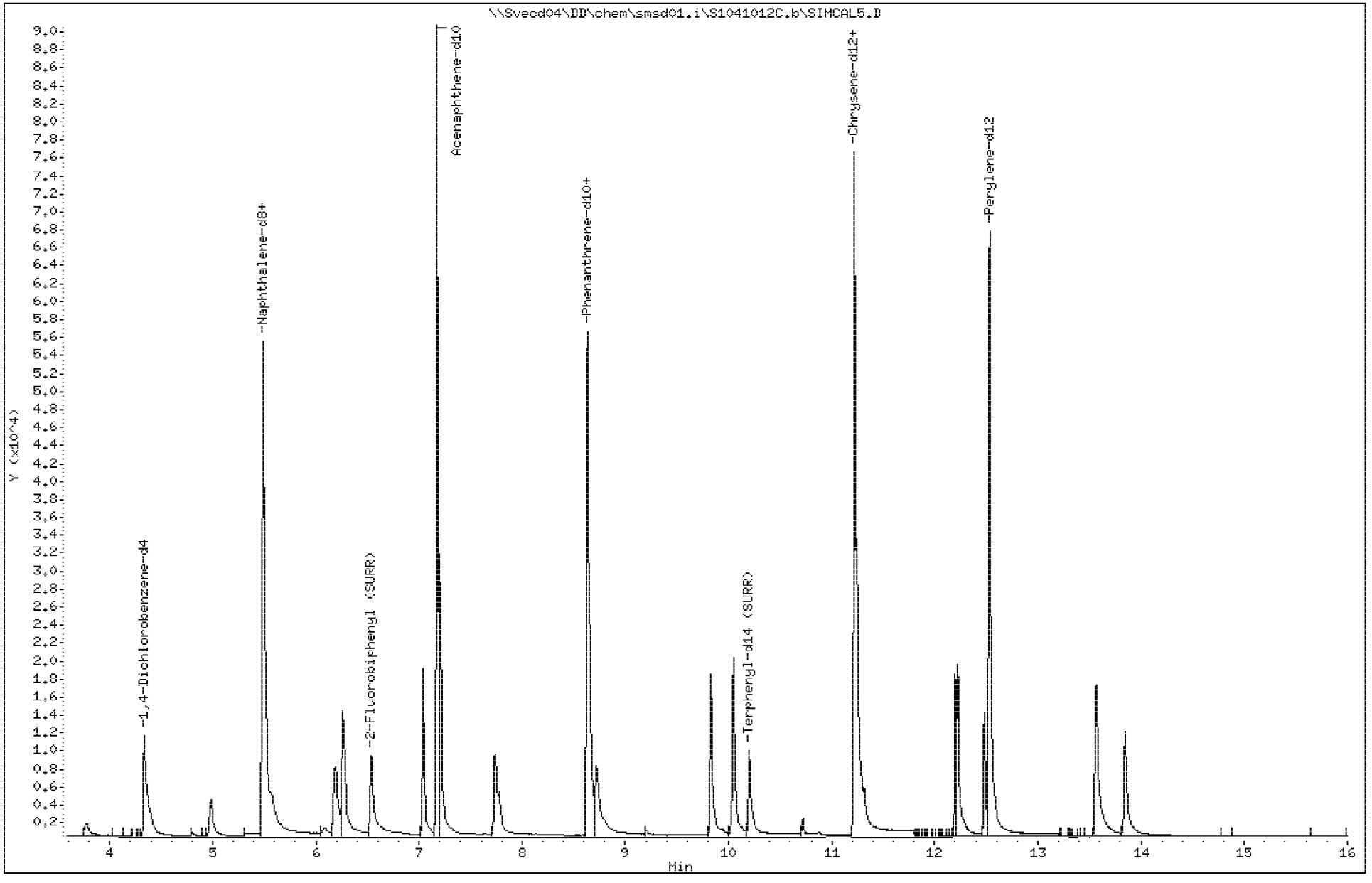
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL5.D
Date : 10-APR-2012 09:30
Client ID: SIMCAL5
Sample Info: 45399
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd01.i
Operator: PEL
Column diameter: 0.25

685



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL6.D
Lab Smp Id: 45772 Client Smp ID: SIMCAL6
Inj Date : 10-APR-2012 09:54 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45772
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.336	4.336	(1.000)	152	21723	0.80000		80.00- 120.00	100.00
4.331	4.336	(1.000)	115	12723			28.57- 88.57	58.57
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.484	5.484	(1.000)	136	83567	0.80000		80.00- 120.00	100.00
5.484	5.484	(1.000)	68	4954			0.00- 35.93	5.93
6 Naphthalene							CAS #: 91-20-3	
5.500	5.500	(1.003)	128	55949	0.50000	0.51	80.00- 120.00	100.00
5.500	5.500	(1.003)	129	5387			0.00- 39.63	9.63
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.166	6.166	(1.124)	142	33926	0.50000	0.52	80.00- 120.00	100.00
6.166	6.166	(1.124)	141	27804			51.95- 111.95	81.95
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.261	6.261	(1.142)	142	41806	0.50000	0.50	80.00- 120.00	100.00
6.261	6.261	(1.142)	141	34496			52.51- 112.51	82.51
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.523	6.523	(0.909)	172	39514	0.50000	0.47	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.523	6.523	(0.909)	171	13314			3.69- 63.69	33.69
12 Acenaphthylene							CAS #: 208-96-8	
7.034	7.034	(0.980)	152	50958	0.50000	0.50	80.00- 120.00	100.00
7.034	7.034	(0.980)	151	9803			0.00- 49.24	19.24
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.175	7.175	(1.000)	164	49021	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	46497			64.85- 124.85	94.85
14 Acenaphthene							CAS #: 83-32-9	
7.201	7.201	(1.004)	153	37752	0.50000	0.50	80.00- 120.00	100.00
7.201	7.201	(1.004)	154	33855			59.68- 119.68	89.68
16 Fluorene							CAS #: 86-73-7	
7.720	7.720	(1.076)	166	36459	0.50000	0.49	80.00- 120.00	100.00(M)
7.720	7.720	(1.076)	165	28301			47.62- 107.62	77.62
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.626	8.626	(1.000)	188	83459	0.80000		80.00- 120.00	100.00
8.626	8.626	(1.000)	94	7846			0.00- 39.40	9.40
18 Phenanthrene							CAS #: 85-01-8	
8.652	8.652	(1.003)	178	52849	0.50000	0.51	80.00- 120.00	100.00
8.652	8.652	(1.003)	179	7948			0.00- 45.04	15.04
19 Anthracene							CAS #: 120-12-7	
8.710	8.710	(1.010)	178	41555	0.50000	0.51	80.00- 120.00	100.00
8.710	8.710	(1.010)	179	6152			0.00- 44.80	14.80
21 Fluoranthene							CAS #: 206-44-0	
9.823	9.823	(1.139)	202	58611	0.50000	0.51	80.00- 120.00	100.00
9.817	9.823	(1.138)	101	6362			0.00- 40.85	10.85
22 Pyrene							CAS #: 129-00-0	
10.042	10.042	(0.895)	202	60714	0.50000	0.49	80.00- 120.00	100.00
10.042	10.042	(0.895)	200	12257			0.00- 50.19	20.19
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.193	10.193	(0.908)	244	43758	0.50000	0.52	80.00- 120.00	100.00
10.193	10.193	(0.908)	122	4635			0.00- 40.59	10.59
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.209	11.209	(0.999)	228	40858	0.50000	0.52	80.00- 120.00	100.00
11.209	11.209	(0.999)	229	7937			0.00- 49.43	19.43
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.222	11.222	(1.000)	240	88087	0.80000		80.00- 120.00	100.00(M)
11.215	11.222	(0.999)	120	9901			0.00- 41.24	11.24
27 Chrysene							CAS #: 218-01-9	
11.247	11.247	(1.002)	228	81734	0.50000	0.54	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.240	11.247	(1.002)	226	19704			0.00- 54.11	24.11
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.194	12.194	(0.973)	252	49538	0.50000	0.52	80.00- 120.00	100.00
12.194	12.194	(0.973)	253	10467			0.00- 51.13	21.13
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.216	12.216	(0.975)	252	80409	0.50000	0.50	80.00- 120.00	100.00
12.216	12.216	(0.975)	253	17426			0.00- 51.67	21.67
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.480	12.480	(0.996)	252	44188	0.50000	0.53	80.00- 120.00	100.00(M)
12.480	12.480	(0.996)	253	9275			0.00- 50.99	20.99
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	84480	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	19277			0.00- 52.82	22.82
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.554	13.554	(1.082)	276	65086	0.50000	0.51	80.00- 120.00	100.00
13.554	13.554	(1.082)	138	15384			0.00- 53.64	23.64
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.562	13.562	(1.082)	278	52535	0.50000	0.52	80.00- 120.00	100.00
13.558	13.562	(1.082)	139	7979			0.00- 45.19	15.19
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.841	13.841	(1.104)	276	63292	0.50000	0.53	80.00- 120.00	100.00
13.841	13.841	(1.104)	138	12063			0.00- 49.06	19.06

QC Flag Legend

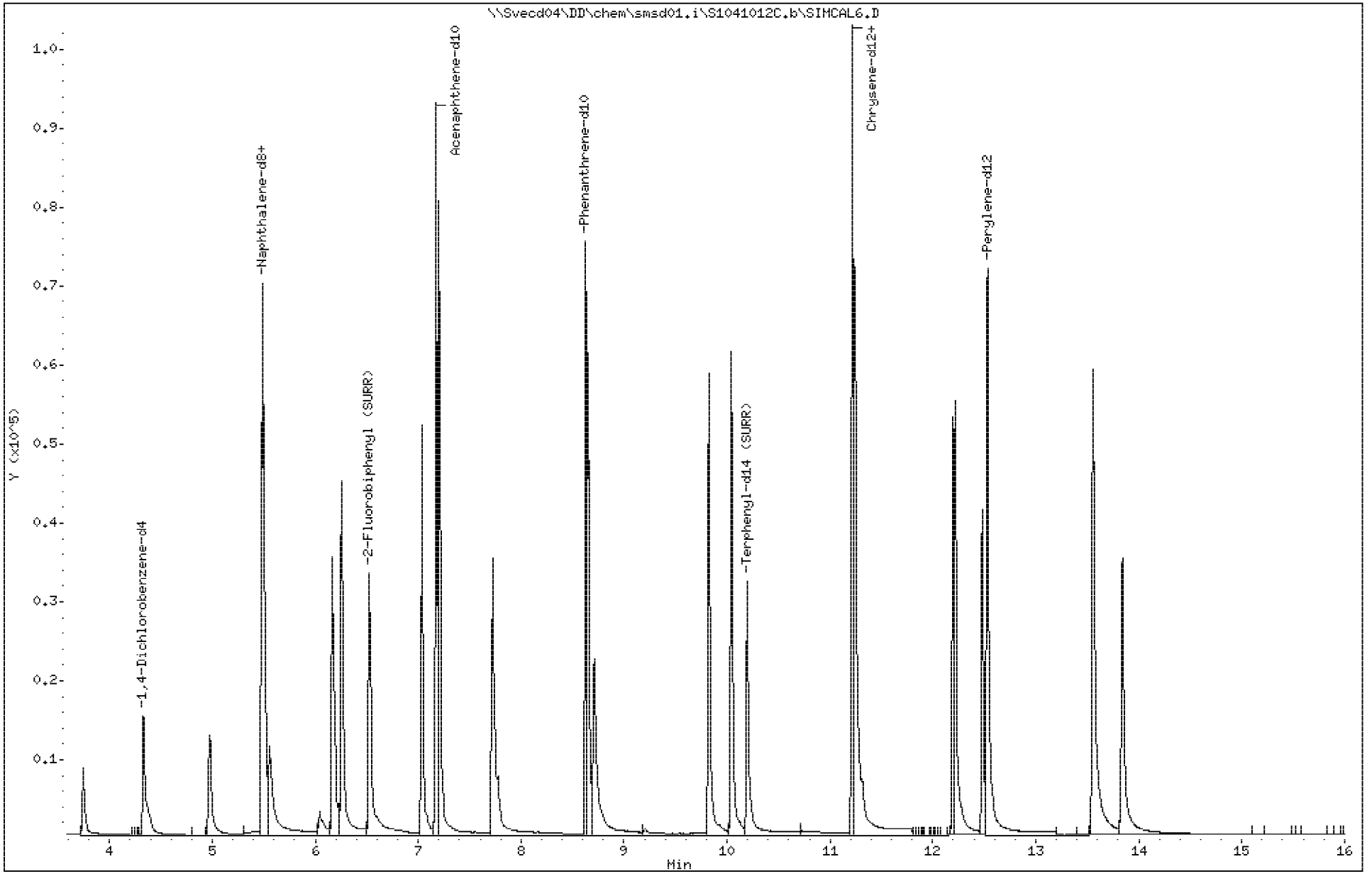
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL6.D
Date : 10-APR-2012 09:54
Client ID: SIMCAL6
Sample Info: 45772
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd01.i
Operator: PEL
Column diameter: 0.25

689

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL7.D
Lab Smp Id: 45397 Client Smp ID: SIMCAL7
Inj Date : 10-APR-2012 10:17 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45397
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 10:17 Cal File: SIMCAL7.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.336	4.336 (1.000)		152	23125	0.80000		80.00- 120.00	100.00
	4.331	4.336 (1.000)		115	13839			28.57- 88.57	59.84
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.484	5.484 (1.000)		136	87941	0.80000		80.00- 120.00	100.00
	5.484	5.484 (1.000)		68	5267			0.00- 35.93	5.99
	6 Naphthalene						CAS #: 91-20-3		
	5.500	5.500 (1.003)		128	80298	0.70000	0.69	80.00- 120.00	100.00
	5.500	5.500 (1.003)		129	8063			0.00- 39.63	10.04
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.166	6.166 (1.124)		142	50200	0.70000	0.73	80.00- 120.00	100.00
	6.166	6.166 (1.124)		141	41600			51.95- 111.95	82.87
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.261	6.261 (1.142)		142	57111	0.70000	0.66	80.00- 120.00	100.00
	6.250	6.261 (1.140)		141	48961			52.51- 112.51	85.73
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.523	6.523 (0.909)		172	57157	0.70000	0.67	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.523	6.523	(0.909)	171	21053			3.69- 63.69	36.83
12 Acenaphthylene							CAS #: 208-96-8	
7.034	7.034	(0.980)	152	72295	0.70000	0.69	80.00- 120.00	100.00
7.034	7.034	(0.980)	151	13919			0.00- 49.24	19.25
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.175	7.175	(1.000)	164	50220	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	47106			64.85- 124.85	93.80
14 Acenaphthene							CAS #: 83-32-9	
7.202	7.201	(1.004)	153	53678	0.70000	0.69	80.00- 120.00	100.00
7.202	7.201	(1.004)	154	47777			59.68- 119.68	89.01
16 Fluorene							CAS #: 86-73-7	
7.721	7.720	(1.076)	166	50810	0.70000	0.67	80.00- 120.00	100.00(M)
7.721	7.720	(1.076)	165	42286			47.62- 107.62	83.22
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.627	8.626	(1.000)	188	85557	0.80000		80.00- 120.00	100.00
8.627	8.626	(1.000)	94	7574			0.00- 39.40	8.85
18 Phenanthrene							CAS #: 85-01-8	
8.652	8.652	(1.003)	178	75421	0.70000	0.71	80.00- 120.00	100.00
8.652	8.652	(1.003)	179	11323			0.00- 45.04	15.01
19 Anthracene							CAS #: 120-12-7	
8.704	8.710	(1.009)	178	59607	0.70000	0.71	80.00- 120.00	100.00
8.704	8.710	(1.009)	179	8897			0.00- 44.80	14.93
21 Fluoranthene							CAS #: 206-44-0	
9.823	9.823	(1.139)	202	82373	0.70000	0.70	80.00- 120.00	100.00
9.817	9.823	(1.138)	101	8914			0.00- 40.85	10.82
22 Pyrene							CAS #: 129-00-0	
10.043	10.042	(0.895)	202	89489	0.70000	0.71	80.00- 120.00	100.00
10.043	10.042	(0.895)	200	17690			0.00- 50.19	19.77
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.193	10.193	(0.909)	244	60779	0.70000	0.71	80.00- 120.00	100.00
10.187	10.193	(0.908)	122	6465			0.00- 40.59	10.64
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.209	11.209	(0.999)	228	62595	0.70000	0.76	80.00- 120.00	100.00
11.209	11.209	(0.999)	229	12010			0.00- 49.43	19.19
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.216	11.222	(1.000)	240	90383	0.80000		80.00- 120.00	100.00(M)
11.216	11.222	(1.000)	120	9871			0.00- 41.24	10.92
27 Chrysene							CAS #: 218-01-9	
11.241	11.247	(1.002)	228	111867	0.70000	0.73	80.00- 120.00	100.00

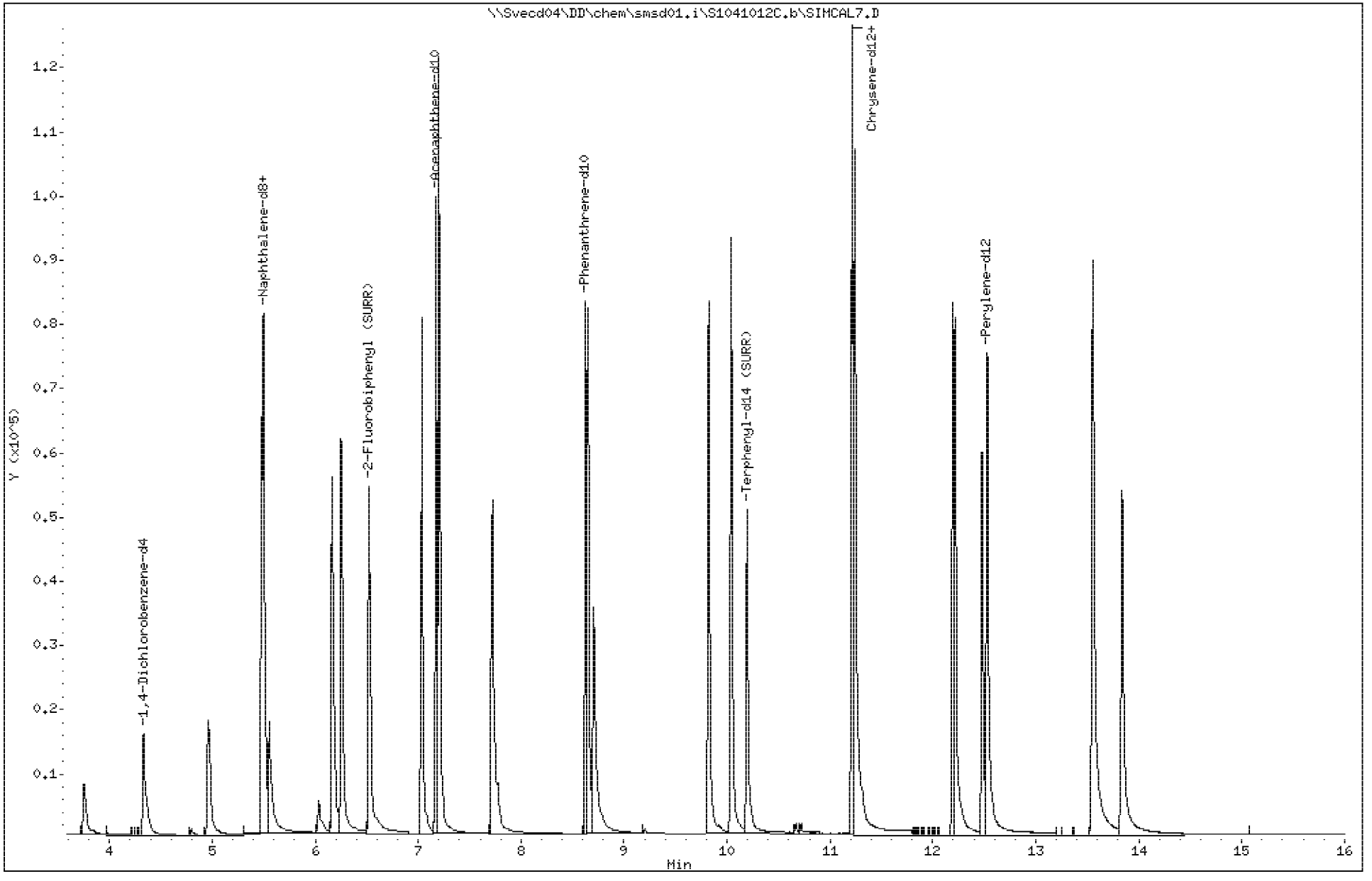
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.241	11.247	(1.002)	226	25695			0.00- 54.11	22.97
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.191	12.194	(0.973)	252	68464	0.70000	0.70	80.00- 120.00	100.00
12.191	12.194	(0.973)	253	16220			0.00- 51.13	23.69
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.217	12.216	(0.975)	252	117345	0.70000	0.71	80.00- 120.00	100.00
12.217	12.216	(0.975)	253	23845			0.00- 51.67	20.32
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.476	12.480	(0.996)	252	65038	0.70000	0.73	80.00- 120.00	100.00(M)
12.480	12.480	(0.996)	253	14106			0.00- 50.99	21.69
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	87566	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	19936			0.00- 52.82	22.77
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.551	13.554	(1.081)	276	94275	0.70000	0.71	80.00- 120.00	100.00
13.551	13.554	(1.081)	138	22125			0.00- 53.64	23.47
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.558	13.562	(1.082)	278	78332	0.70000	0.73	80.00- 120.00	100.00
13.558	13.562	(1.082)	139	11595			0.00- 45.19	14.80
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.838	13.841	(1.104)	276	87220	0.70000	0.70	80.00- 120.00	100.00
13.838	13.841	(1.104)	138	17643			0.00- 49.06	20.23

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL7.D
Date : 10-APR-2012 10:17
Client ID: SIMCAL7
Instrument: smsd01.i
Sample Info: 45397
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

693



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL8.D
Lab Smp Id: 45396 Client Smp ID: SIMCAL8
Inj Date : 10-APR-2012 10:41 MS Autotune Date: 19-MAR-2012 07:15
Operator : PEL Inst ID: smsd01.i
Smp Info : 45396
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 10:41 Cal File: SIMCAL8.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

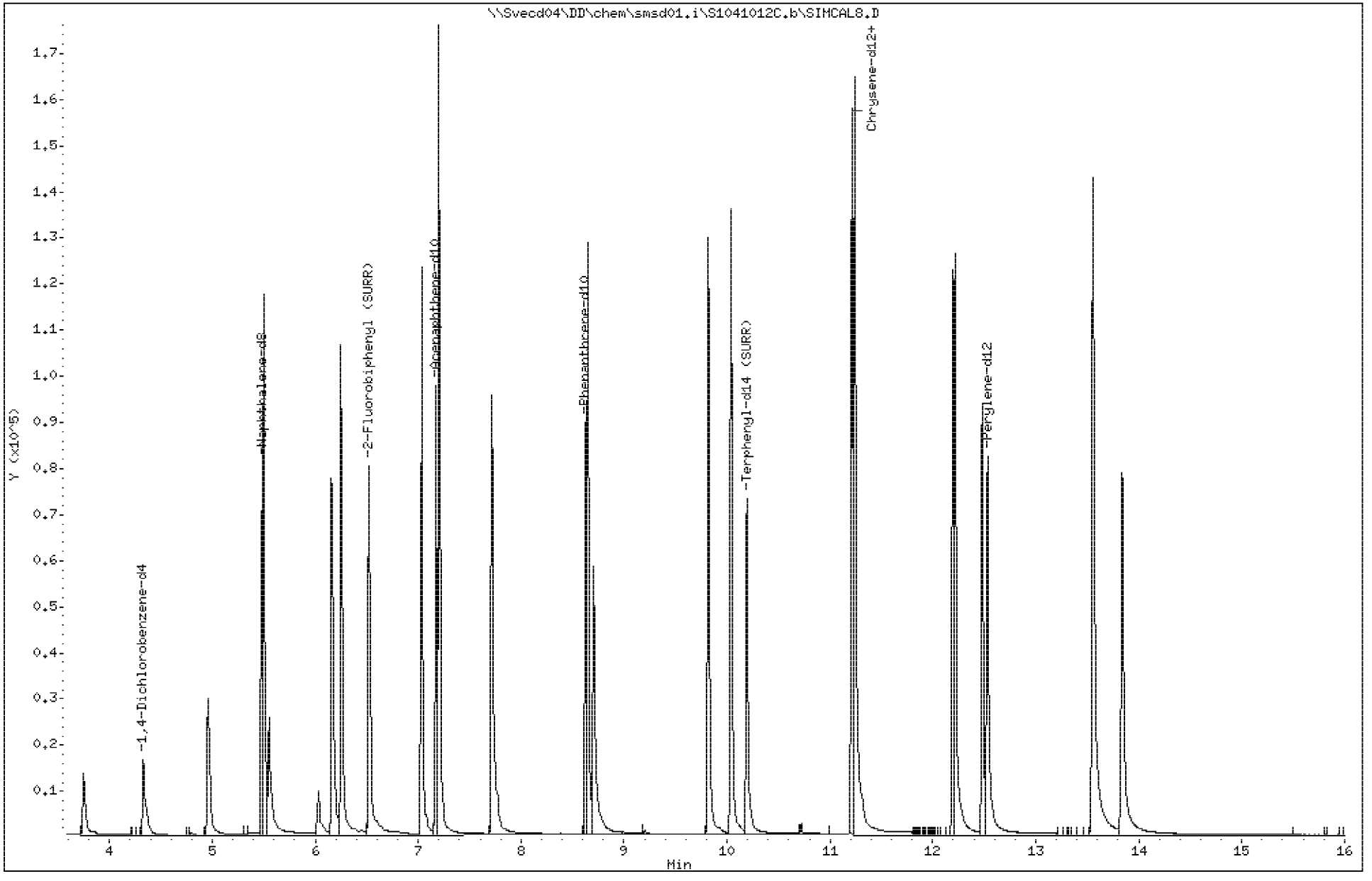
	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.331	4.336 (1.000)		152	22805	0.80000		80.00- 120.00	100.00
	4.331	4.336 (1.000)		115	13303			28.57- 88.57	58.33
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.484	5.484 (1.000)		136	81969	0.80000		80.00- 120.00	100.00
	5.477	5.484 (1.000)		68	5111			0.00- 35.93	6.24
	6 Naphthalene						CAS #: 91-20-3		
	5.500	5.500 (1.003)		128	114755	1.00000	1.1	80.00- 120.00	100.00
	5.500	5.500 (1.003)		129	11282			0.00- 39.63	9.83
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.166	6.166 (1.124)		142	73162	1.00000	1.1	80.00- 120.00	100.00
	6.156	6.166 (1.122)		141	60389			51.95- 111.95	82.54
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.250	6.261 (1.140)		142	80677	1.00000	0.99	80.00- 120.00	100.00
	6.250	6.261 (1.140)		141	69656			52.51- 112.51	86.34
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.523	6.523 (0.909)		172	82616	1.00000	0.97	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.523	6.523	(0.909)	171	27702			3.69- 63.69	33.53
12 Acenaphthylene							CAS #: 208-96-8	
7.034	7.034	(0.980)	152	104453	1.00000	1.0	80.00- 120.00	100.00
7.034	7.034	(0.980)	151	19965			0.00- 49.24	19.11
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.175	7.175	(1.000)	164	50046	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	46799			64.85- 124.85	93.51
14 Acenaphthene							CAS #: 83-32-9	
7.202	7.201	(1.004)	153	75964	1.00000	0.98	80.00- 120.00	100.00
7.202	7.201	(1.004)	154	68826			59.68- 119.68	90.60
16 Fluorene							CAS #: 86-73-7	
7.712	7.720	(1.075)	166	77545	1.00000	1.0	80.00- 120.00	100.00
7.712	7.720	(1.075)	165	72048			47.62- 107.62	92.91
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.627	8.626	(1.000)	188	83829	0.80000		80.00- 120.00	100.00
8.620	8.626	(1.000)	94	7926			0.00- 39.40	9.45
18 Phenanthrene							CAS #: 85-01-8	
8.646	8.652	(1.002)	178	111255	1.00000	1.1	80.00- 120.00	100.00
8.646	8.652	(1.002)	179	16663			0.00- 45.04	14.98
19 Anthracene							CAS #: 120-12-7	
8.704	8.710	(1.009)	178	84848	1.00000	1.0	80.00- 120.00	100.00
8.704	8.710	(1.009)	179	12780			0.00- 44.80	15.06
21 Fluoranthene							CAS #: 206-44-0	
9.817	9.823	(1.138)	202	121950	1.00000	1.0	80.00- 120.00	100.00
9.817	9.823	(1.138)	101	13035			0.00- 40.85	10.69
22 Pyrene							CAS #: 129-00-0	
10.043	10.042	(0.895)	202	129734	1.00000	0.96	80.00- 120.00	100.00
10.036	10.042	(0.895)	200	25697			0.00- 50.19	19.81
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.193	10.193	(0.909)	244	89229	1.00000	0.97	80.00- 120.00	100.00
10.187	10.193	(0.908)	122	9500			0.00- 40.59	10.65
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.209	11.209	(0.999)	228	89340	1.00000	1.0	80.00- 120.00	100.00
11.209	11.209	(0.999)	229	18620			0.00- 49.43	20.84
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.216	11.222	(1.000)	240	97037	0.80000		80.00- 120.00	100.00
11.216	11.222	(1.000)	120	10162			0.00- 41.24	10.47
27 Chrysene							CAS #: 218-01-9	
11.241	11.247	(1.002)	228	168572	1.00000	1.0	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.241	11.247	(1.002)	226	38116			0.00- 54.11	22.61
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.191	12.194	(0.973)	252	102684	1.00000	1.0	80.00- 120.00	100.00
12.194	12.194	(0.973)	253	24140			0.00- 51.13	23.51
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.217	12.216	(0.975)	252	173662	1.00000	1.0	80.00- 120.00	100.00
12.217	12.216	(0.975)	253	35110			0.00- 51.67	20.22
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.480	12.480	(0.996)	252	99534	1.00000	1.1	80.00- 120.00	100.00
12.480	12.480	(0.996)	253	21336			0.00- 50.99	21.44
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	88606	0.80000		80.00- 120.00	100.00
12.532	12.532	(1.000)	260	20329			0.00- 52.82	22.94
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.551	13.554	(1.081)	276	140758	1.00000	1.0	80.00- 120.00	100.00
13.551	13.554	(1.081)	138	33096			0.00- 53.64	23.51
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.558	13.562	(1.082)	278	117560	1.00000	1.1	80.00- 120.00	100.00
13.558	13.562	(1.082)	139	17281			0.00- 45.19	14.70
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.838	13.841	(1.104)	276	132408	1.00000	1.0	80.00- 120.00	100.00
13.838	13.841	(1.104)	138	25201			0.00- 49.06	19.03

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL8.D
Date : 10-APR-2012 10:41
Client ID: SIMCAL8
Sample Info: 45396
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd01.i
Operator: PEL
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL9R.D
Lab Smp Id: 45779 Client Smp ID: SIMCAL9
Inj Date : 10-APR-2012 11:53 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45779
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 11:29 Cal File: SIMCAL10.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.331	4.336	(1.000)	152	23182	0.80000		80.00- 120.00	100.00
4.331	4.336	(1.000)	115	13693			28.57- 88.57	59.07
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.477	5.484	(1.000)	136	87378	0.80000		80.00- 120.00	100.00
5.477	5.484	(1.000)	68	5186			0.00- 35.93	5.94
6 Naphthalene							CAS #: 91-20-3	
5.500	5.500	(1.004)	128	566109	5.00000	4.9	80.00- 120.00	100.00
5.500	5.500	(1.004)	129	61258			0.00- 39.63	10.82
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.156	6.166	(1.124)	142	414895	5.00000	6.1	80.00- 120.00	100.00
6.156	6.166	(1.124)	141	349236			51.95- 111.95	84.17
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.250	6.261	(1.141)	142	390468	5.00000	4.5	80.00- 120.00	100.00
6.250	6.261	(1.141)	141	342284			52.51- 112.51	87.66
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.513	6.523	(0.908)	172	476386	5.00000	5.4	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.513	6.523	(0.908)	171	160481			3.69- 63.69	33.69
12 Acenaphthylene							CAS #: 208-96-8	
7.034	7.034	(0.980)	152	605775	5.00000	5.6	80.00- 120.00	100.00
7.034	7.034	(0.980)	151	116969			0.00- 49.24	19.31
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.175	7.175	(1.000)	164	51486	0.80000		80.00- 120.00	100.00
7.175	7.175	(1.000)	162	47829			64.85- 124.85	92.90
14 Acenaphthene							CAS #: 83-32-9	
7.202	7.201	(1.004)	153	420803	5.00000	5.3	80.00- 120.00	100.00
7.202	7.201	(1.004)	154	380227			59.68- 119.68	90.36
16 Fluorene							CAS #: 86-73-7	
7.712	7.720	(1.075)	166	448013	5.00000	5.7	80.00- 120.00	100.00
7.703	7.720	(1.074)	165	414267			47.62- 107.62	92.47
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.627	8.626	(1.000)	188	91142	0.80000		80.00- 120.00	100.00
8.620	8.626	(1.000)	94	8309			0.00- 39.40	9.12
18 Phenanthrene							CAS #: 85-01-8	
8.646	8.652	(1.002)	178	646301	5.00000	5.7	80.00- 120.00	100.00
8.646	8.652	(1.002)	179	98101			0.00- 45.04	15.18
19 Anthracene							CAS #: 120-12-7	
8.698	8.710	(1.008)	178	511505	5.00000	5.7	80.00- 120.00	100.00
8.698	8.710	(1.008)	179	76065			0.00- 44.80	14.87
21 Fluoranthene							CAS #: 206-44-0	
9.817	9.823	(1.138)	202	724654	5.00000	5.8	80.00- 120.00	100.00
9.811	9.823	(1.137)	101	77472			0.00- 40.85	10.69
22 Pyrene							CAS #: 129-00-0	
10.036	10.042	(0.895)	202	759273	5.00000	4.8	80.00- 120.00	100.00
10.036	10.042	(0.895)	200	152552			0.00- 50.19	20.09
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.187	10.193	(0.908)	244	525833	5.00000	4.9	80.00- 120.00	100.00
10.187	10.193	(0.908)	122	55283			0.00- 40.59	10.51
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.203	11.209	(0.999)	228	640929	5.00000	6.2	80.00- 120.00	100.00
11.203	11.209	(0.999)	229	123014			0.00- 49.43	19.19
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.215	11.222	(1.000)	240	113053	0.80000		80.00- 120.00	100.00(M)
11.209	11.222	(0.999)	120	12176			0.00- 41.24	10.77
27 Chrysene							CAS #: 218-01-9	
11.241	11.247	(1.002)	228	854258	5.00000	4.4	80.00- 120.00	100.00

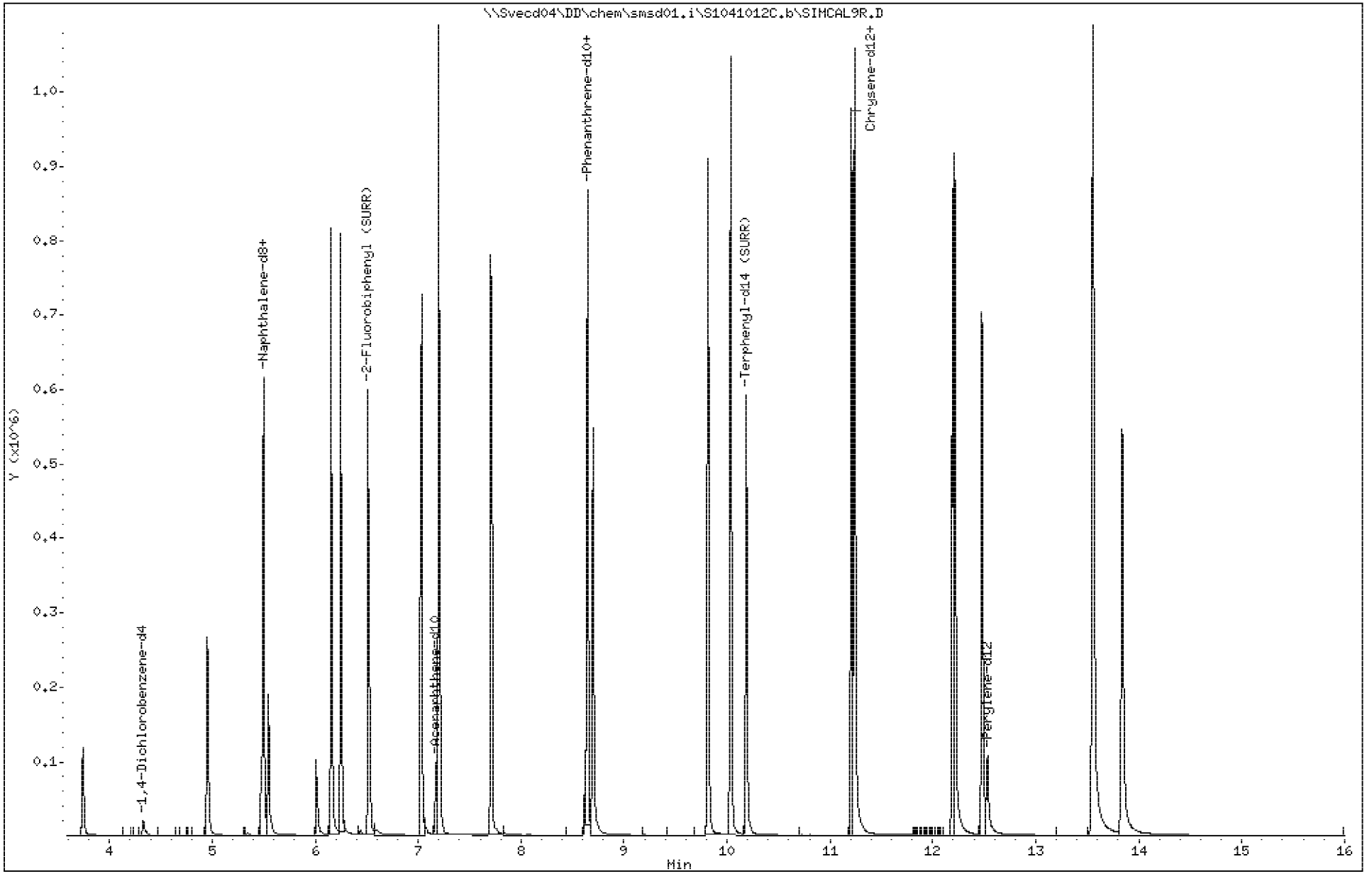
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.241	11.247	(1.002)	226	238581			0.00- 54.11	27.93
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.191	12.194	(0.973)	252	692085	5.00000	6.3	80.00- 120.00	100.00
12.191	12.194	(0.973)	253	146940			0.00- 51.13	21.23
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.213	12.216	(0.975)	252	968092	5.00000	5.2	80.00- 120.00	100.00
12.213	12.216	(0.975)	253	212367			0.00- 51.67	21.94
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.476	12.480	(0.996)	252	615534	5.00000	6.1	80.00- 120.00	100.00(M)
12.480	12.480	(0.996)	253	137113			0.00- 50.99	22.28
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	99059	0.80000		80.00- 120.00	100.00
12.532	12.532	(1.000)	260	22614			0.00- 52.82	22.83
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.551	13.554	(1.081)	276	880524	5.00000	5.9	80.00- 120.00	100.00
13.551	13.554	(1.081)	138	215497			0.00- 53.64	24.47
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.558	13.562	(1.082)	278	748382	5.00000	6.2	80.00- 120.00	100.00
13.558	13.562	(1.082)	139	115148			0.00- 45.19	15.39
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.551	13.841	(1.081)	276	885754	5.00000	6.3	80.00- 120.00	100.00
13.551	13.841	(1.081)	138	215082			0.00- 49.06	24.28

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL9R.D
Date : 10-APR-2012 11:53
Client ID: SIMCAL9
Sample Info: 45779
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd01.i
Operator:
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL10R.D
Lab Smp Id: 45782 Client Smp ID: SIMCAL10
Inj Date : 10-APR-2012 12:16 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45782
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 12:16 Cal File: SIMCAL10R.D
Als bottle: 12 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.331	4.336	(1.000)	152	23213	0.80000		80.00- 120.00	100.00
4.327	4.336	(1.000)	115	14024			28.57- 88.57	60.41
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.477	5.484	(1.000)	136	86752	0.80000		80.00- 120.00	100.00
5.477	5.484	(1.000)	68	5258			0.00- 35.93	6.06
6 Naphthalene							CAS #: 91-20-3	
5.500	5.500	(1.004)	128	1143848	10.0000	10	80.00- 120.00	100.00
5.500	5.500	(1.004)	129	122871			0.00- 39.63	10.74
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.156	6.166	(1.124)	142	815299	10.0000	12.0	80.00- 120.00	100.00(A)
6.156	6.166	(1.124)	141	685974			51.95- 111.95	84.14
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.250	6.261	(1.141)	142	792253	10.0000	9.2	80.00- 120.00	100.00
6.250	6.261	(1.141)	141	693437			52.51- 112.51	87.53
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.513	6.523	(0.908)	172	974653	10.0000	10.7	80.00- 120.00	100.00(A)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.513	6.523	(0.908)	171	327496			3.69- 63.69	33.60
12 Acenaphthylene						CAS #: 208-96-8		
7.035	7.034	(0.980)	152	1265999	10.0000	11.4	80.00- 120.00	100.00(A)
7.026	7.034	(0.979)	151	244856			0.00- 49.24	19.34
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.175	7.175	(1.000)	164	53478	0.80000		80.00- 120.00	100.00
7.166	7.175	(1.000)	162	50108			64.85- 124.85	93.70
14 Acenaphthene						CAS #: 83-32-9		
7.202	7.201	(1.004)	153	847766	10.0000	10.2	80.00- 120.00	100.00(A)
7.202	7.201	(1.004)	154	779937			59.68- 119.68	92.00
16 Fluorene						CAS #: 86-73-7		
7.703	7.720	(1.074)	166	920822	10.0000	11.4	80.00- 120.00	100.00(A)
7.703	7.720	(1.074)	165	852743			47.62- 107.62	92.61
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.627	8.626	(1.000)	188	93814	0.80000		80.00- 120.00	100.00
8.620	8.626	(1.000)	94	8555			0.00- 39.40	9.12
18 Phenanthrene						CAS #: 85-01-8		
8.646	8.652	(1.002)	178	1333309	10.0000	11.4	80.00- 120.00	100.00(A)
8.646	8.652	(1.002)	179	200049			0.00- 45.04	15.00
19 Anthracene						CAS #: 120-12-7		
8.698	8.710	(1.008)	178	1066778	10.0000	11.6	80.00- 120.00	100.00(A)
8.698	8.710	(1.008)	179	160677			0.00- 44.80	15.06
21 Fluoranthene						CAS #: 206-44-0		
9.817	9.823	(1.138)	202	1513360	10.0000	11.7	80.00- 120.00	100.00(A)
9.811	9.823	(1.137)	101	160581			0.00- 40.85	10.61
22 Pyrene						CAS #: 129-00-0		
10.036	10.042	(0.895)	202	1582039	10.0000	9.5	80.00- 120.00	100.00
10.036	10.042	(0.895)	200	316777			0.00- 50.19	20.02
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.187	10.193	(0.908)	244	1107765	10.0000	9.8	80.00- 120.00	100.00
10.181	10.193	(0.908)	122	112810			0.00- 40.59	10.18
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.203	11.209	(0.999)	228	1415372	10.0000	13.0	80.00- 120.00	100.00(A)
11.203	11.209	(0.999)	229	273242			0.00- 49.43	19.31
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.216	11.222	(1.000)	240	118874	0.80000		80.00- 120.00	100.00(M)
11.209	11.222	(0.999)	120	12820			0.00- 41.24	10.78
27 Chrysene						CAS #: 218-01-9		
11.241	11.247	(1.002)	228	1713171	10.0000	8.4	80.00- 120.00	100.00

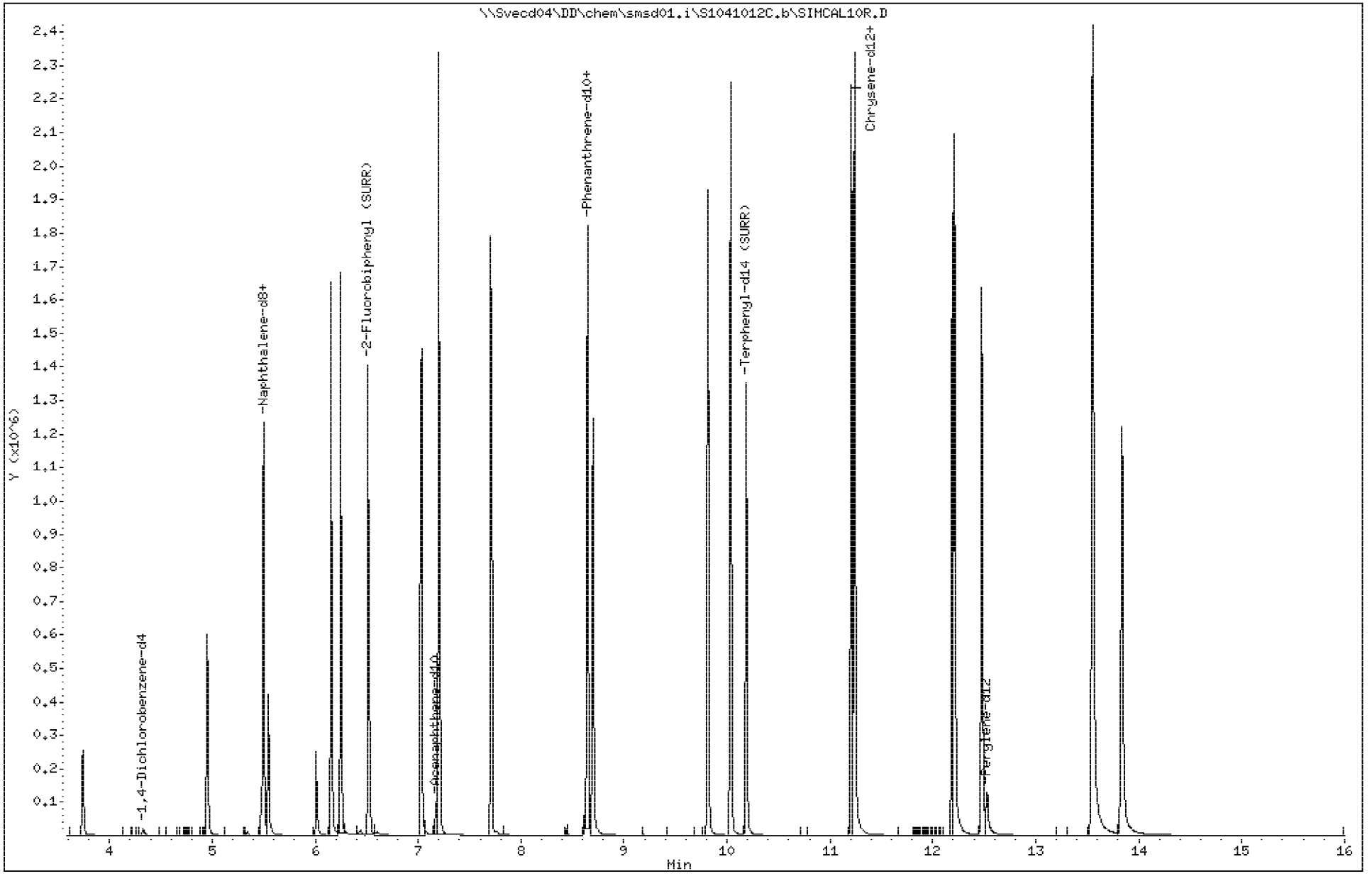
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.241	11.247	(1.002)	226	482395			0.00- 54.11	28.16
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.187	12.194	(0.973)	252	1450925	10.0000	12.4	80.00- 120.00	100.00(A)
12.191	12.194	(0.973)	253	340497			0.00- 51.13	23.47
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.213	12.216	(0.975)	252	2071933	10.0000	10.4	80.00- 120.00	100.00(A)
12.213	12.216	(0.975)	253	419084			0.00- 51.67	20.23
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.476	12.480	(0.996)	252	1424899	10.0000	13.4	80.00- 120.00	100.00(AM)
12.476	12.480	(0.996)	253	302273			0.00- 50.99	21.21
*	33 Perylene-d12					CAS #: 1520-96-3		
12.528	12.532	(1.000)	264	104881	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	24010			0.00- 52.82	22.89
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.547	13.554	(1.081)	276	1905430	10.0000	12.0	80.00- 120.00	100.00(A)
13.547	13.554	(1.081)	138	455778			0.00- 53.64	23.92
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.554	13.562	(1.082)	278	1626356	10.0000	12.7	80.00- 120.00	100.00(A)
13.554	13.562	(1.082)	139	244999			0.00- 45.19	15.06
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.838	13.841	(1.105)	276	1619047	10.0000	10.8	80.00- 120.00	100.00(AM)
13.834	13.841	(1.104)	138	330874			0.00- 49.06	20.44

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMCAL10R.D
Date : 10-APR-2012 12:16
Client ID: SIMCAL10
Instrument: smsd01.i
Sample Info: 45782
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

705



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMSECA.D
Lab Smp Id: 44830 Client Smp ID: SIMSEC
Inj Date : 10-APR-2012 12:40 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 44830
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMBCSTR.m
Meth Date : 10-Apr-2012 14:09 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 12:16 Cal File: SIMCAL10R.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.326	4.336	(1.000)	152	31889	0.80000		80.00- 120.00	100.00
4.326	4.336	(1.000)	115	19161			28.57- 88.57	60.09
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.484	5.484	(1.000)	136	116716	0.80000		80.00- 120.00	100.00
5.476	5.484	(1.000)	68	6969			0.00- 35.93	5.97
6 Naphthalene							CAS #: 91-20-3	
5.500	5.500	(1.003)	128	70466	0.50000	0.46	80.00- 120.00	100.00
5.500	5.500	(1.003)	129	7357			0.00- 39.63	10.44
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.166	6.166	(1.124)	142	45256	0.50000	0.50	80.00- 120.00	100.00
6.166	6.166	(1.124)	141	37509			51.95- 111.95	82.88
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.261	6.261	(1.142)	142	46473	0.50000	0.40	80.00- 120.00	100.00
6.261	6.261	(1.142)	141	37294			52.51- 112.51	80.25
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.523	6.523	(0.909)	172	55641	0.50000	0.47	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.523	6.523 (0.909)		171	18414			3.69- 63.69	33.09
12 Acenaphthylene						CAS #: 208-96-8		
7.034	7.034 (0.980)		152	69722	0.50000	0.48	80.00- 120.00	100.00
7.034	7.034 (0.980)		151	13337			0.00- 49.24	19.13
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.175	7.175 (1.000)		164	69789	0.80000		80.00- 120.00	100.00
7.175	7.175 (1.000)		162	65693			64.85- 124.85	94.13
14 Acenaphthene						CAS #: 83-32-9		
7.201	7.201 (1.004)		153	47560	0.50000	0.44	80.00- 120.00	100.00
7.201	7.201 (1.004)		154	43968			59.68- 119.68	92.45
16 Fluorene						CAS #: 86-73-7		
7.712	7.720 (1.075)		166	50651	0.50000	0.48	80.00- 120.00	100.00
7.712	7.720 (1.075)		165	47257			47.62- 107.62	93.30
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.626	8.626 (1.000)		188	122727	0.80000		80.00- 120.00	100.00
8.620	8.626 (1.000)		94	11103			0.00- 39.40	9.05
18 Phenanthrene						CAS #: 85-01-8		
8.646	8.652 (1.002)		178	74037	0.50000	0.48	80.00- 120.00	100.00
8.652	8.652 (1.003)		179	11050			0.00- 45.04	14.92
19 Anthracene						CAS #: 120-12-7		
8.704	8.710 (1.009)		178	68197	0.50000	0.56	80.00- 120.00	100.00
8.704	8.710 (1.009)		179	10064			0.00- 44.80	14.76
21 Fluoranthene						CAS #: 206-44-0		
9.823	9.823 (1.139)		202	76529	0.50000	0.45	80.00- 120.00	100.00
9.817	9.823 (1.138)		101	8263			0.00- 40.85	10.80
22 Pyrene						CAS #: 129-00-0		
10.042	10.042 (0.895)		202	92219	0.50000	0.48	80.00- 120.00	100.00
10.042	10.042 (0.895)		200	18525			0.00- 50.19	20.09
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.193	10.193 (0.909)		244	62473	0.50000	0.48	80.00- 120.00	100.00
10.187	10.193 (0.908)		122	6535			0.00- 40.59	10.46
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.209	11.209 (0.999)		228	69993	0.50000	0.57	80.00- 120.00	100.00
11.209	11.209 (0.999)		229	13361			0.00- 49.43	19.09
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.215	11.222 (1.000)		240	138678	0.80000		80.00- 120.00	100.00
11.215	11.222 (1.000)		120	14951			0.00- 41.24	10.78
27 Chrysene						CAS #: 218-01-9		
11.240	11.247 (1.002)		228	97509	0.50000	0.41	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.240	11.247	(1.002)	226	26256			0.00- 54.11	26.93
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.191	12.194	(0.973)	252	69777	0.50000	0.50	80.00- 120.00	100.00
12.194	12.194	(0.973)	253	14614			0.00- 51.13	20.94
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.216	12.216	(0.975)	252	104558	0.50000	0.44	80.00- 120.00	100.00
12.216	12.216	(0.975)	253	23140			0.00- 51.67	22.13
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.480	12.480	(0.996)	252	62292	0.50000	0.51	80.00- 120.00	100.00
12.480	12.480	(0.996)	253	13497			0.00- 50.99	21.67
*	33 Perylene-d12					CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	124135	0.80000		80.00- 120.00	100.00
12.528	12.532	(1.000)	260	28427			0.00- 52.82	22.90
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.551	13.554	(1.081)	276	84936	0.50000	0.45	80.00- 120.00	100.00
13.554	13.554	(1.082)	138	20197			0.00- 53.64	23.78
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.562	13.562	(1.082)	278	69774	0.50000	0.48	80.00- 120.00	100.00
13.558	13.562	(1.082)	139	10281			0.00- 45.19	14.73
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.841	13.841	(1.104)	276	76740	0.50000	0.43	80.00- 120.00	100.00
13.838	13.841	(1.104)	138	15109			0.00- 49.06	19.69

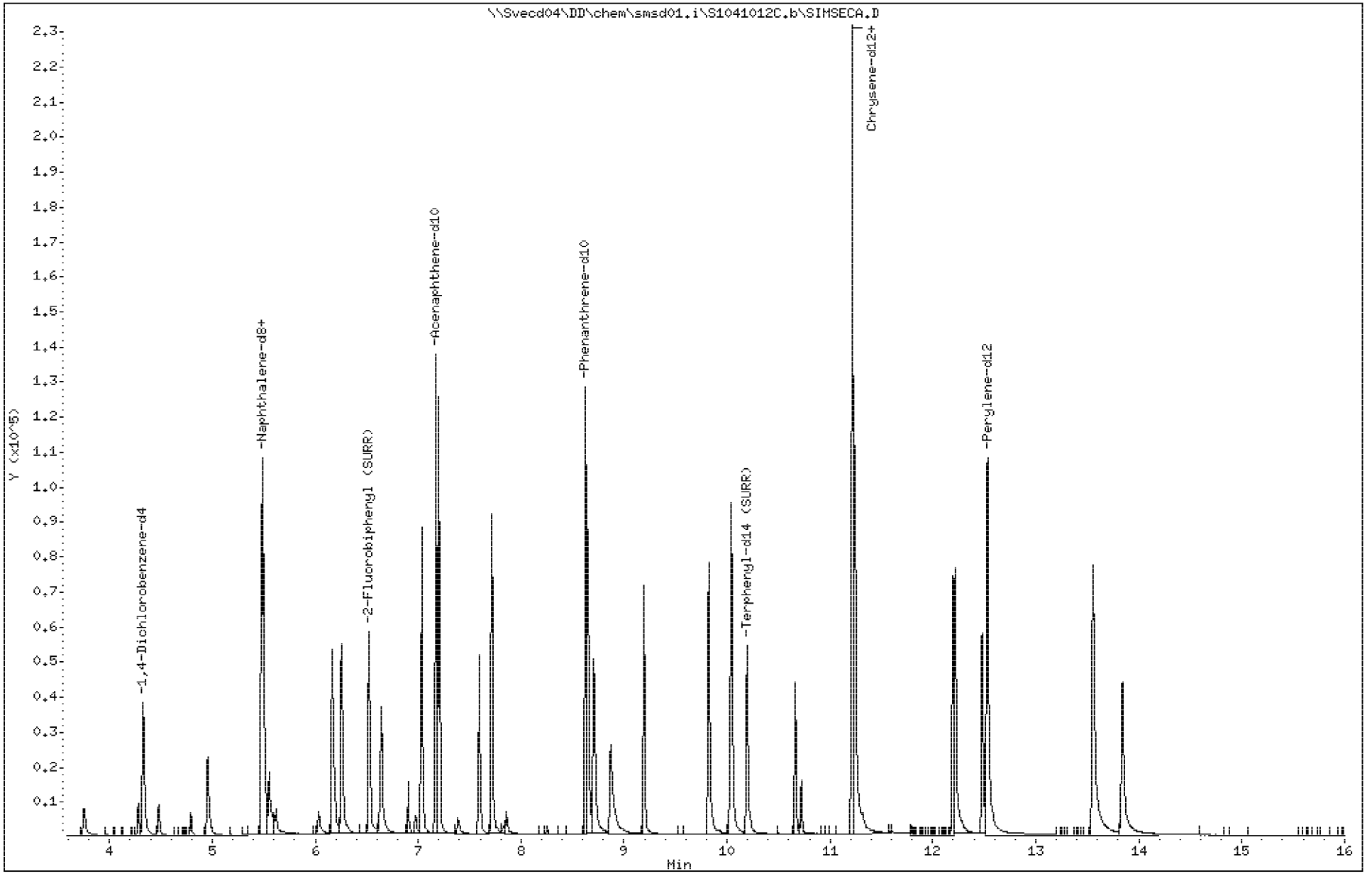
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1041012C.b\SIMSECA.D
Date : 10-APR-2012 12:40
Client ID: SIMSEC
Instrument: smsd01.i
Sample Info: 44830
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

709

3505835



Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D
Report Date: 10-May-2012 13:15

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D
Lab Smp Id: 45777 Client Smp ID: DFTPP2
Inj Date : 02-MAY-2012 07:31 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050212.b\DoDTUN.m
Meth Date : 02-May-2012 16:52 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.344	7.610 (0.000)		198	441216			0.00- 100.00	100.00
7.344	7.610 (0.000)		51	132416			10.00- 80.00	30.01
7.344	7.610 (0.000)		68	2951			0.00- 2.00	1.65
7.344	7.610 (0.000)		69	179328			0.00- 0.00	40.64
7.344	7.610 (0.000)		70	1017			0.00- 2.00	0.57
7.344	7.610 (0.000)		127	213120			10.00- 80.00	48.30
7.344	7.610 (0.000)		197	1662			0.00- 2.00	0.38
7.344	7.610 (0.000)		199	30928			5.00- 9.00	7.01
7.344	7.610 (0.000)		275	129568			10.00- 60.00	29.37
7.344	7.610 (0.000)		365	17280			1.00- 0.00	3.92
7.344	7.610 (0.000)		441	53040			0.01- 24.00	14.79
7.344	7.610 (0.000)		442	358592			50.00- 0.00	81.27
7.344	7.610 (0.000)		443	70504			15.00- 24.00	19.66

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D
Date : 02-MAY-2012 07:31
Client ID: DFTPP2
Sample Info: 45777
Volume Injected (uL): 1.0
Column phase:

Instrument: smsd01.i
Operator: MJ
Column diameter: 2.00

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D

Date : 02-MAY-2012 07:31

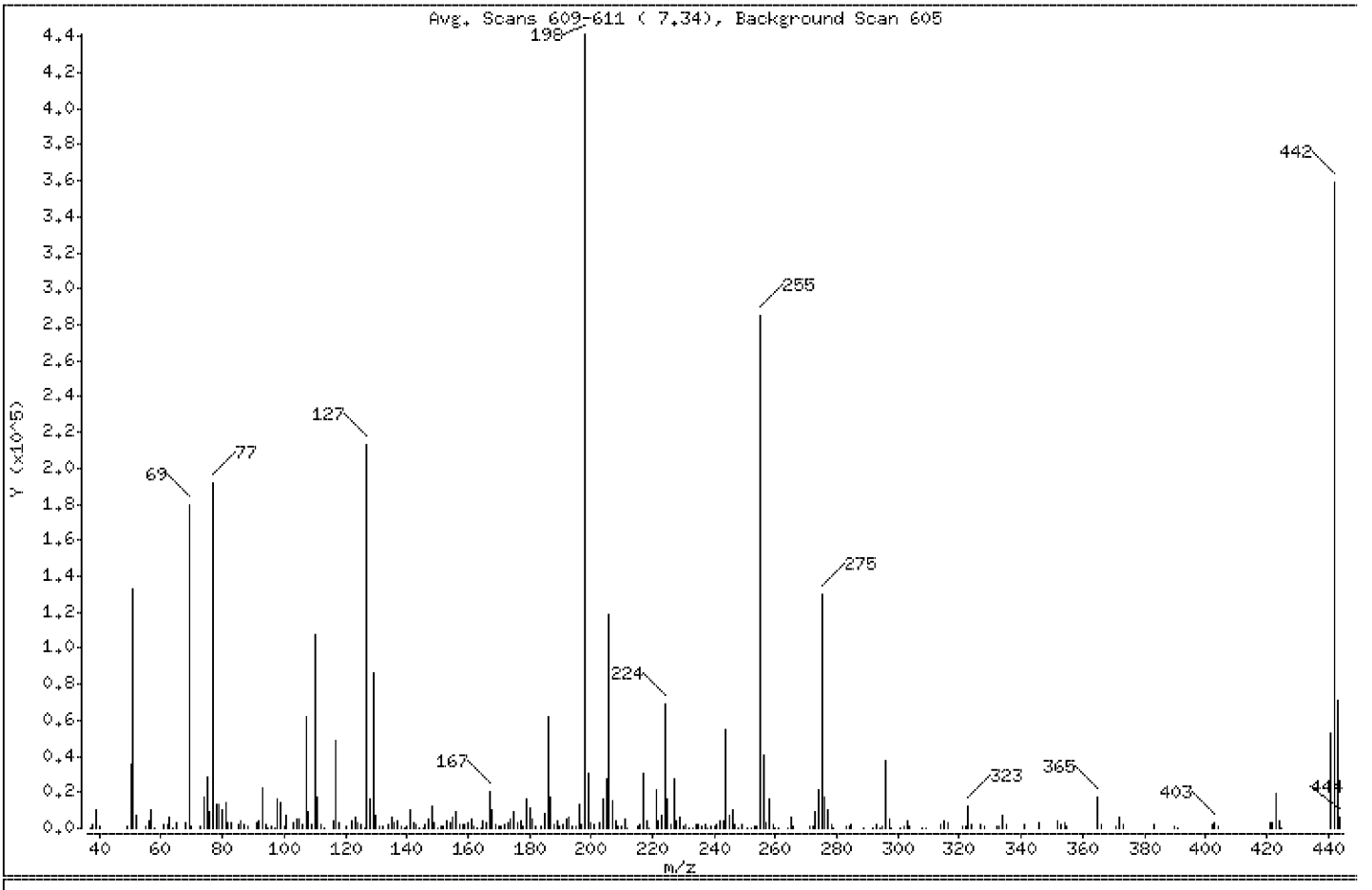
Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	30.01
68	Less than 2.00% of mass 69	0.67 (1.65)
69	Mass 69 relative abundance	40.64
70	Less than 2.00% of mass 69	0.23 (0.57)
127	10.00 - 80.00% of mass 198	48.30
197	Less than 2.00% of mass 198	0.38
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 60.00% of mass 198	29.37
365	Greater than 1.00% of mass 198	3.92
441	0.01 - 24.00% of mass 442	12.02 (14.79)
442	Greater than 50.00% of mass 198	81.27
443	15.00 - 24.00% of mass 442	15.98 (19.66)

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D

Date : 02-MAY-2012 07:31

Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 609-611 (7.34), Background Scan 605
Location of Maximum: 198.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	218	127.00	213120	195.00	567	272.00	761
38.00	1695	128.00	15908	196.00	12740	273.00	9116
39.00	10370	129.00	86072	197.00	1662	274.00	21208
40.00	1079	130.00	7158	198.00	441216	275.00	129568
49.00	1089	131.00	1334	199.00	30928	276.00	17408
50.00	35016	132.00	538	200.00	2552	277.00	10317
51.00	132416	134.00	2367	201.00	2184	278.00	1804
52.00	6777	135.00	6206	203.00	3519	279.00	223
55.00	829	136.00	2843	204.00	16592	283.00	1339
56.00	4037	137.00	3587	205.00	27840	284.00	677
57.00	9852	138.00	767	206.00	118408	285.00	1994
58.00	227	139.00	232	207.00	15467	289.00	255
61.00	1890	140.00	1051	208.00	3970	292.00	270
62.00	2301	141.00	10293	209.00	1293	293.00	2488
63.00	5977	142.00	3029	210.00	1038	294.00	491
64.00	368	143.00	2158	211.00	4664	295.00	659
65.00	3083	144.00	505	212.00	330	296.00	37152
68.00	2951	145.00	241	215.00	1332	297.00	5171
69.00	179328	146.00	1836	216.00	2334	298.00	264
70.00	1017	147.00	5303	217.00	30400	301.00	236
73.00	1489	148.00	12490	218.00	3754	302.00	509
74.00	17328	149.00	2744	219.00	248	303.00	4498
75.00	28240	150.00	307	221.00	21704	304.00	1257
76.00	8960	151.00	1362	222.00	4427	308.00	491
77.00	192064	152.00	659	223.00	7193	309.00	231
78.00	13231	153.00	3906	224.00	68848	314.00	1961
79.00	12818	154.00	2668	225.00	16584	315.00	4223
80.00	9906	155.00	6234	226.00	1889	316.00	2624
81.00	14202	156.00	8923	227.00	27016	321.00	1260
82.00	3482	157.00	1792	228.00	4031	322.00	1200
83.00	3425	158.00	1810	229.00	5744	323.00	11906
85.00	2220	159.00	1544	230.00	610	324.00	2325
86.00	3655	160.00	3513	231.00	2385	327.00	2345
87.00	1868	161.00	5174	232.00	258	328.00	1049
88.00	541	162.00	1409	233.00	237	332.00	845

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\DFTPP2.D

Date : 02-MAY-2012 07:31

Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 609-611 (7.34), Background Scan 605
Location of Maximum: 198.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	2903	163.00	223	234.00	1968	333.00	1042
92.00	3902	164.00	285	235.00	2286	334.00	7291
93.00	22096	165.00	4125	236.00	1388	335.00	2265
94.00	1545	166.00	2996	237.00	2233	341.00	1573
95.00	219	167.00	20672	238.00	224	346.00	2619
96.00	1243	168.00	10565	239.00	1171	352.00	3758
97.00	240	169.00	1721	240.00	682	353.00	2428
98.00	16432	170.00	570	241.00	1687	354.00	3472
99.00	13852	171.00	942	242.00	3795	355.00	547
100.00	1067	172.00	1854	243.00	4071	365.00	17280
101.00	7432	173.00	2593	244.00	54672	366.00	2387
103.00	2558	174.00	4829	245.00	7233	371.00	760
104.00	4984	175.00	8691	246.00	10111	372.00	6013
105.00	4632	176.00	2538	247.00	2042	373.00	1655
106.00	1848	177.00	3976	248.00	238	383.00	1844
107.00	62152	178.00	1263	249.00	1879	390.00	728
108.00	9538	179.00	16124	251.00	222	391.00	227
109.00	1853	180.00	11560	252.00	270	402.00	2203
110.00	107160	181.00	5205	253.00	1231	403.00	3491
111.00	17400	182.00	589	254.00	1075	404.00	1163
112.00	1974	184.00	1335	255.00	285440	421.00	2867
113.00	269	185.00	8382	256.00	41008	422.00	2545
116.00	3655	186.00	62072	257.00	3402	423.00	19360
117.00	48952	187.00	17216	258.00	16384	424.00	4338
118.00	3293	188.00	2136	259.00	2419	425.00	265
120.00	599	189.00	3833	260.00	288	441.00	53040
122.00	4092	190.00	549	261.00	237	442.00	358592
123.00	6317	191.00	1943	264.00	233	443.00	70504
124.00	2733	192.00	4905	265.00	6221	444.00	6369
125.00	2494	193.00	6049	266.00	1339		
126.00	310	194.00	1099	271.00	593		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 07:45

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 16:53

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 16:59

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/03/2012 15:35

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/04/2012 12:28

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:15

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050212.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050212.b\SIMCCV1.D
Lab Smp Id: 45886 Client Smp ID: SIMCCV1
Inj Date : 02-MAY-2012 07:51 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : 45886
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050212.b\SIMBCSTR.m
Meth Date : 02-May-2012 16:52 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.276	4.276	(1.000)	152	20395	0.80000		80.00- 120.00	100.00
4.276	4.276	(1.000)	115	11843			28.07- 88.07	58.07
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.429	5.429	(1.000)	136	71062	0.80000		80.00- 120.00	100.00
5.429	5.429	(1.000)	68	3597			0.00- 35.06	5.06
6 Naphthalene							CAS #: 91-20-3	
5.453	5.453	(1.004)	128	45232	0.50000	0.48	80.00- 120.00	100.00
5.453	5.453	(1.004)	129	4732			0.00- 40.46	10.46
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.114	6.114	(1.126)	142	30423	0.50000	0.55	80.00- 120.00	100.00
6.114	6.114	(1.126)	141	24602			50.87- 110.87	80.87
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.208	6.208	(1.143)	142	33378	0.50000	0.47	80.00- 120.00	100.00
6.208	6.208	(1.143)	141	27474			52.31- 112.31	82.31
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.470	6.470	(0.908)	172	38932	0.50000	0.55	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.470	6.470	(0.908)	171	13255			4.05- 64.05	34.05
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	46104	0.50000	0.53	80.00- 120.00	100.00
6.982	6.982	(0.980)	151	8747			0.00- 48.97	18.97
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	41931	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	39337			63.81- 123.81	93.81
14 Acenaphthene						CAS #: 83-32-9		
7.157	7.157	(1.005)	153	30911	0.50000	0.48	80.00- 120.00	100.00
7.157	7.157	(1.005)	154	29010			63.85- 123.85	93.85
16 Fluorene						CAS #: 86-73-7		
7.668	7.668	(1.077)	166	32880	0.50000	0.52	80.00- 120.00	100.00
7.668	7.668	(1.077)	165	30262			62.04- 122.04	92.04
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	80412	0.80000		80.00- 120.00	100.00
8.575	8.581	(1.000)	94	5477			0.00- 36.81	6.81
18 Phenanthrene						CAS #: 85-01-8		
8.601	8.601	(1.002)	178	46654	0.50000	0.46	80.00- 120.00	100.00
8.601	8.601	(1.002)	179	7141			0.00- 45.31	15.31
19 Anthracene						CAS #: 120-12-7		
8.652	8.652	(1.008)	178	38414	0.50000	0.49	80.00- 120.00	100.00
8.652	8.652	(1.008)	179	5382			0.00- 44.01	14.01
21 Fluoranthene						CAS #: 206-44-0		
9.773	9.773	(1.139)	202	56008	0.50000	0.50	80.00- 120.00	100.00
9.766	9.773	(1.138)	101	4883			0.00- 38.72	8.72
22 Pyrene						CAS #: 129-00-0		
9.992	9.992	(0.894)	202	60699	0.50000	0.45	80.00- 120.00	100.00
9.992	9.992	(0.894)	200	12111			0.00- 49.95	19.95
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.908)	244	41750	0.50000	0.46	80.00- 120.00	100.00
10.143	10.143	(0.908)	122	3410			0.00- 38.17	8.17
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.159	11.159	(0.999)	228	46343	0.50000	0.54	80.00- 120.00	100.00
11.159	11.159	(0.999)	229	8999			0.00- 49.42	19.42
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.171	11.171	(1.000)	240	96431	0.80000		80.00- 120.00	100.00
11.165	11.171	(1.000)	120	7382			0.00- 37.66	7.66
27 Chrysene						CAS #: 218-01-9		
11.197	11.197	(1.002)	228	68432	0.50000	0.42	80.00- 120.00	100.00(M)

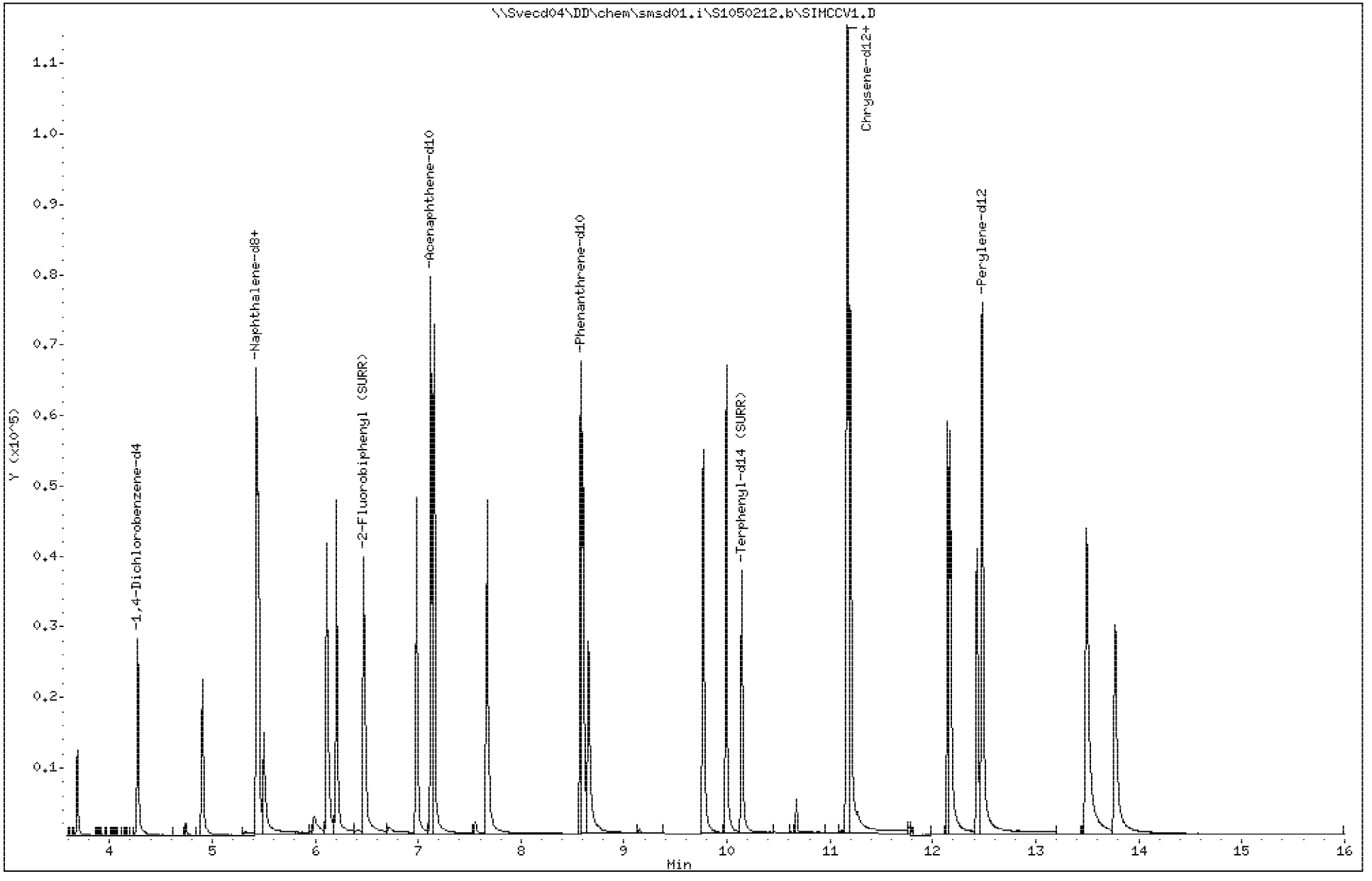
				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.190	11.197	(1.002)	226	18596			0.00- 57.17	27.17
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.146	12.146	(0.973)	252	52090	0.50000	0.56	80.00- 120.00	100.00
12.146	12.146	(0.973)	253	11099			0.00- 51.31	21.31
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.168	12.168	(0.975)	252	74229	0.50000	0.47	80.00- 120.00	100.00
12.168	12.168	(0.975)	253	16588			0.00- 52.35	22.35
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.428	12.428	(0.996)	252	45204	0.50000	0.55	80.00- 120.00	100.00(M)
12.428	12.428	(0.996)	253	9740			0.00- 51.55	21.55
* 33 Perylene-d12						CAS #: 1520-96-3		
12.480	12.480	(1.000)	264	83458	0.80000		80.00- 120.00	100.00
12.476	12.480	(1.000)	260	19555			0.00- 53.43	23.43
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.491	13.491	(1.081)	276	58131	0.50000	0.46	80.00- 120.00	100.00
13.487	13.491	(1.081)	138	10001			0.00- 47.20	17.20
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.498	13.498	(1.082)	278	45376	0.50000	0.46	80.00- 120.00	100.00
13.498	13.498	(1.082)	139	4950			0.00- 40.91	10.91
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.771	13.771	(1.103)	276	55651	0.50000	0.47	80.00- 120.00	100.00
13.767	13.771	(1.103)	138	8338			0.00- 44.98	14.98

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\SIMCCV1.D
Date : 02-MAY-2012 07:51
Client ID: SIMCCV1
Instrument: smsd01.i
Sample Info: 45886
Purge Volume: 1000.0
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

719



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050212.b\9282MB.D
Lab Smp Id: 128646MB Client Smp ID: 128646MB
Inj Date : 02-MAY-2012 10:25 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : SIM128646MB
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050212.b\SIMBCSTR.m
Meth Date : 02-May-2012 16:52 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 97 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.340	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

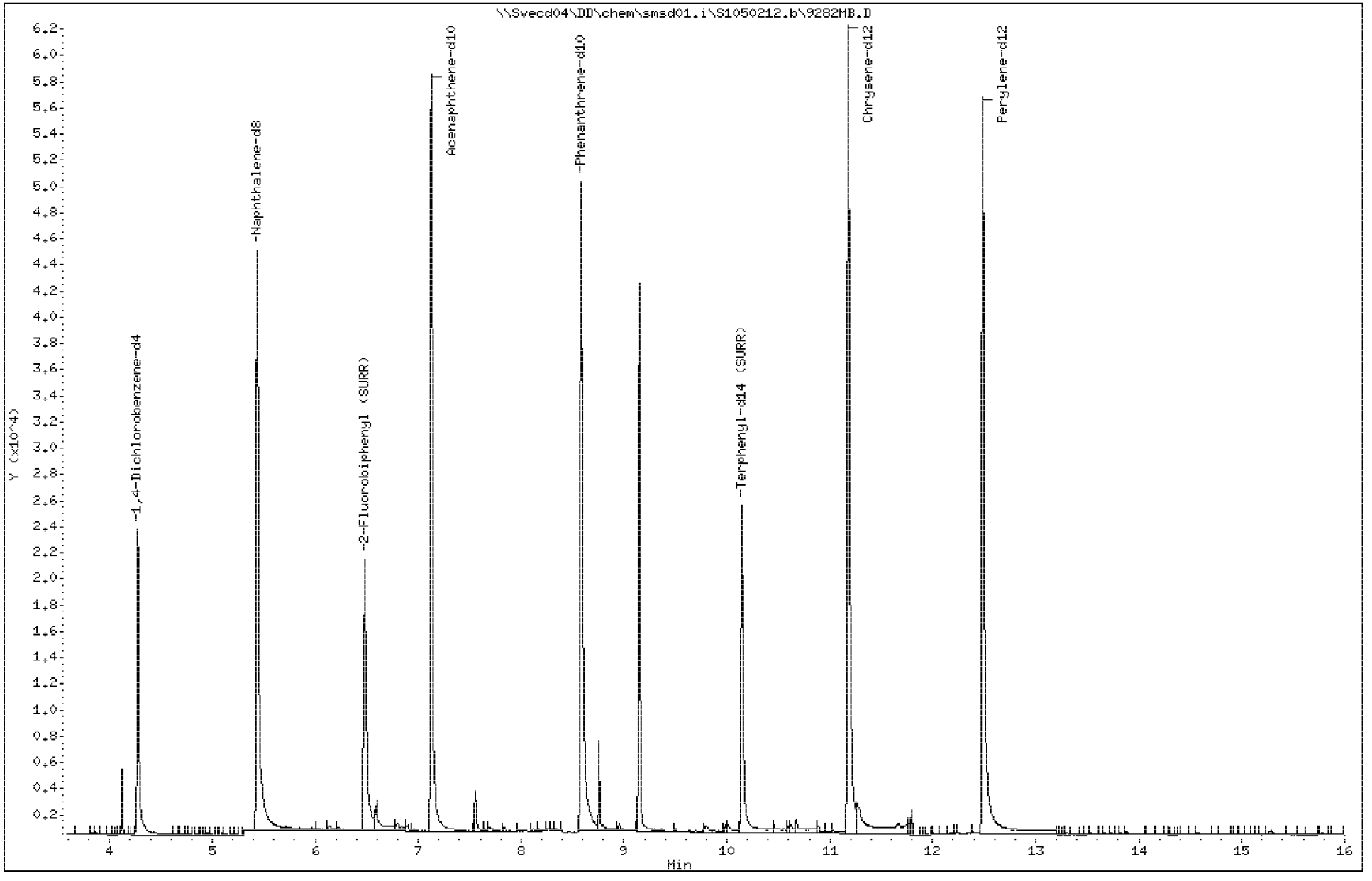
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.276	4.276	(1.000)	152	18941	0.80000		80.00- 120.00	100.00
4.276	4.276	(1.000)	115	10829			28.07- 88.07	57.17
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.437	5.429	(1.000)	136	66321	0.80000		80.00- 120.00	100.00
5.437	5.429	(1.000)	68	3116			0.00- 35.06	4.70
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.481	6.470	(0.909)	172	27855	0.41098	20.2	80.00- 120.00	100.00
6.481	6.470	(0.909)	171	9319			4.05- 64.05	33.46
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.131	7.122	(1.000)	164	39918	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	37659			63.81- 123.81	94.34
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	77853	0.80000		80.00- 120.00	100.00
8.581	8.581	(1.000)	94	5535			0.00- 36.81	7.11
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.149	10.143	(0.908)	244	32131	0.38566	19.0	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 23 Terphenyl-d14 (SURR) (continued)								
10.143	10.143	(0.907)	122	2691			0.00- 38.17	8.38
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.178	11.171	(1.000)	240	88042	0.80000		80.00- 120.00	100.00
11.172	11.171	(1.000)	120	6608			0.00- 37.66	7.51
* 33 Perylene-d12						CAS #: 1520-96-3		
12.484	12.480	(1.000)	264	77238	0.80000		80.00- 120.00	100.00
12.484	12.480	(1.000)	260	17628			0.00- 53.43	22.82

Data File: \\Svecd04\DD\chem\smsd01.i\S1050212.b\9282MB.D
Date : 02-MAY-2012 10:25
Client ID: 128646MB
Sample Info: SIM128646MB

Instrument: smsd01.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

722



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D
Report Date: 10-May-2012 13:15

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D
Lab Smp Id: 45777 Client Smp ID: DFTPP1
Inj Date : 03-MAY-2012 07:03 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\DoDTUN.m
Meth Date : 03-May-2012 15:23 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

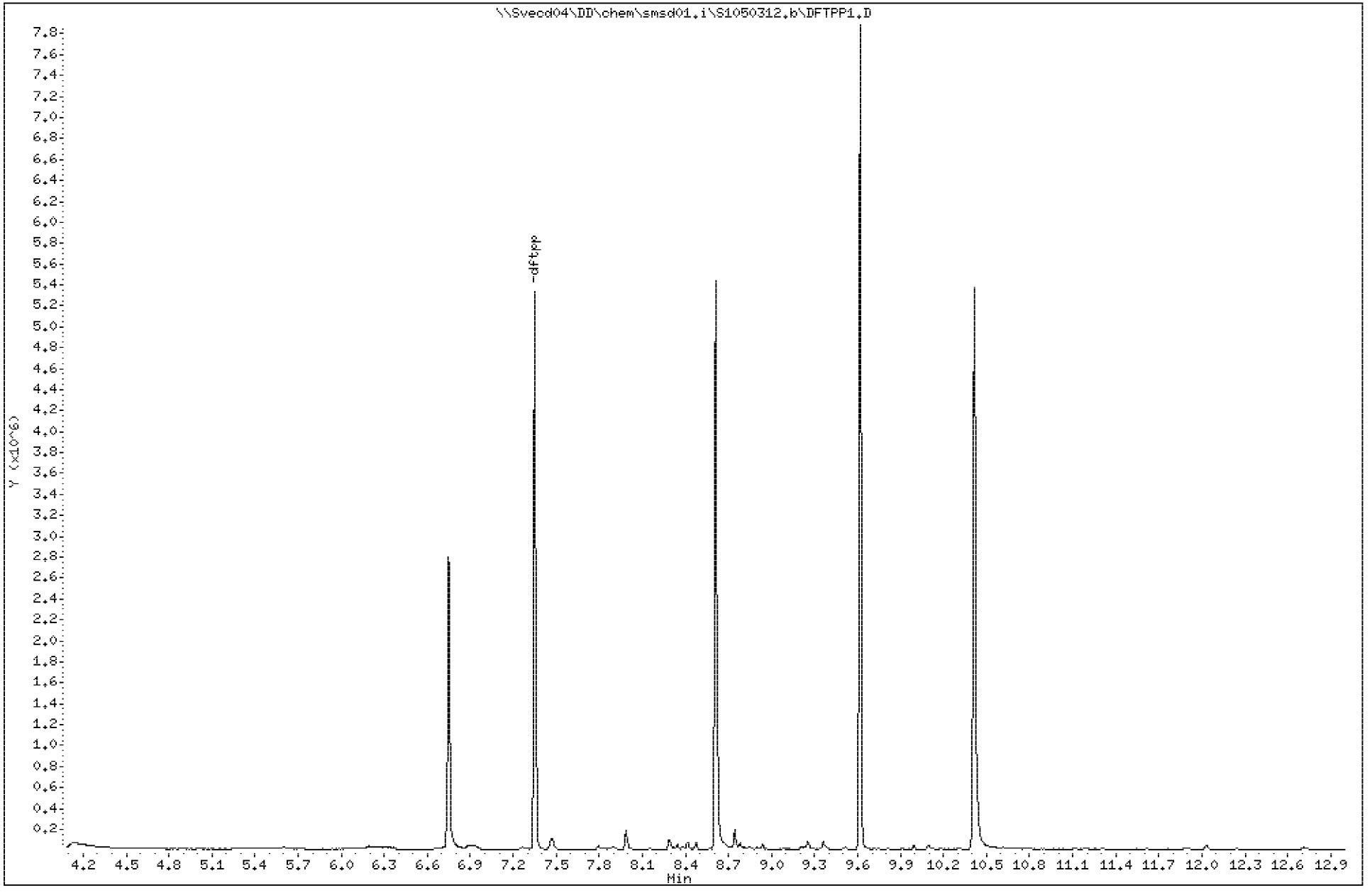
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
1 dftpp						CAS #: 5074-71-5		
7.349	7.610	(0.000)	198	603264			0.00- 100.00	100.00
7.349	7.610	(0.000)	51	183808			10.00- 80.00	30.47
7.349	7.610	(0.000)	68	4833			0.00- 2.00	1.96
7.349	7.610	(0.000)	69	247040			0.00- 0.00	40.95
7.349	7.610	(0.000)	70	2198			0.00- 2.00	0.89
7.349	7.610	(0.000)	127	298944			10.00- 80.00	49.55
7.349	7.610	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.349	7.610	(0.000)	199	41424			5.00- 9.00	6.87
7.349	7.610	(0.000)	275	174336			10.00- 60.00	28.90
7.349	7.610	(0.000)	365	21896			1.00- 0.00	3.63
7.349	7.610	(0.000)	441	70240			0.01- 24.00	14.63
7.349	7.610	(0.000)	442	480128			50.00- 0.00	79.59
7.349	7.610	(0.000)	443	94216			15.00- 24.00	19.62

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D
Date : 03-MAY-2012 07:03
Client ID: DFTPP1 Instrument: smsd01.i
Sample Info: 45777
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00

724



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Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D

Date : 03-MAY-2012 07:03

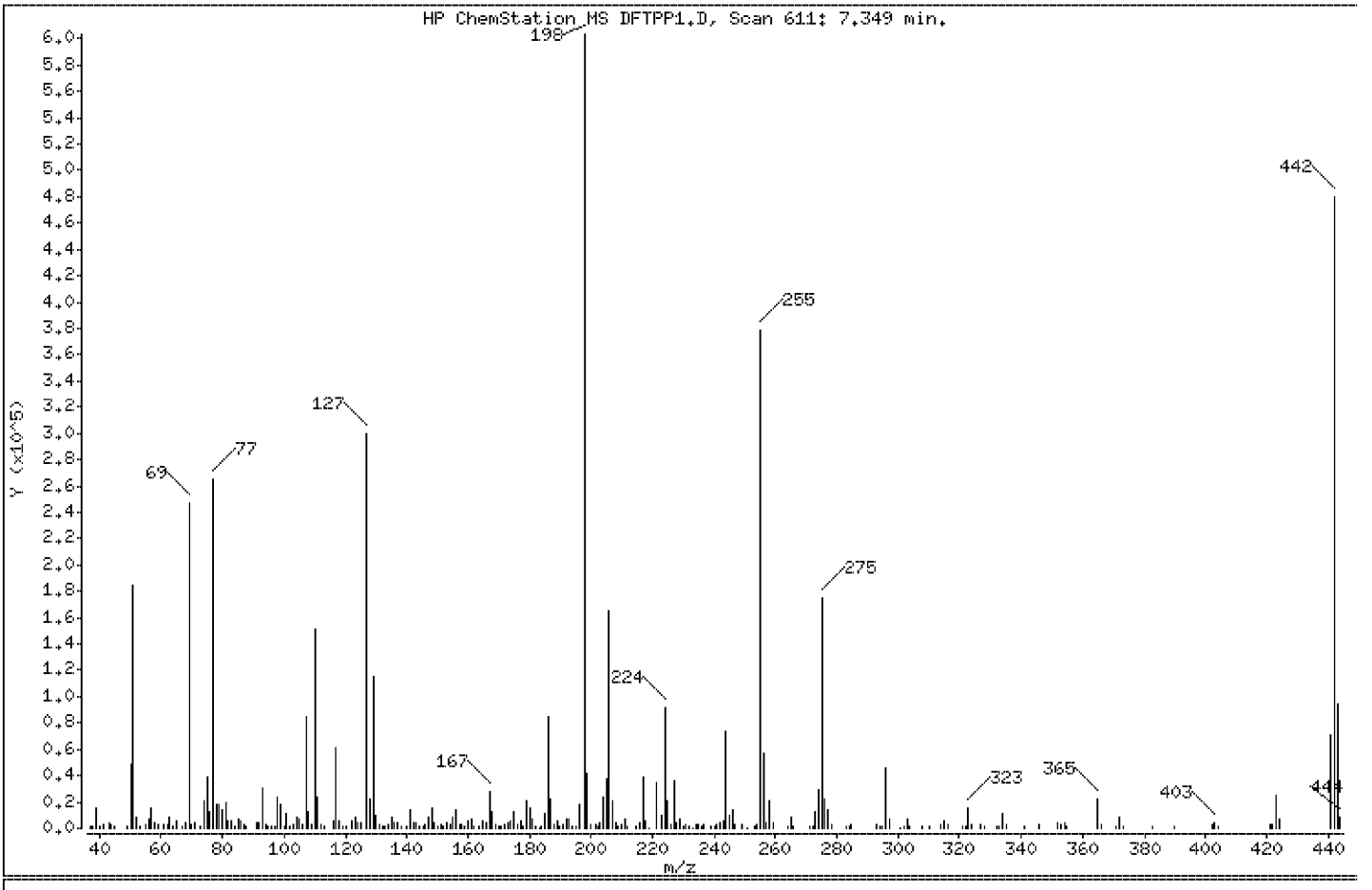
Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	30.47
68	Less than 2.00% of mass 69	0.80 (1.96)
69	Mass 69 relative abundance	40.95
70	Less than 2.00% of mass 69	0.36 (0.89)
127	10.00 - 80.00% of mass 198	49.55
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 60.00% of mass 198	28.90
365	Greater than 1.00% of mass 198	3.63
441	0.01 - 24.00% of mass 442	11.64 (14.63)
442	Greater than 50.00% of mass 198	79.59
443	15.00 - 24.00% of mass 442	15.62 (19.62)

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D

Date : 03-MAY-2012 07:03

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: HP ChemStation MS DFTPP1.D, Scan 611: 7.349 min.
Location of Maximum: 197.90
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1045	113.00	1399	185.00	10845	263.90	899
38.00	2032	116.00	4864	186.00	83936	265.00	8942
39.10	15190	117.00	60592	187.00	21744	266.00	1382
40.00	1565	117.90	5186	188.00	2320	270.90	730
41.10	2739	119.00	802	188.90	5607	272.00	1243
43.10	3870	120.00	1060	190.00	964	273.00	12313
44.00	3165	122.00	6153	191.00	2110	274.00	28496
45.10	727	123.00	8553	192.00	6649	275.00	174336
49.10	1314	124.00	4026	193.00	7548	276.00	22760
50.00	49128	125.00	3556	193.90	1869	277.00	14401
51.10	183808	127.00	298944	195.10	1183	278.00	2301
52.00	9001	128.00	21752	196.00	17632	283.00	1548
53.00	805	129.00	115360	197.90	603264	284.00	988
55.00	3180	130.00	9028	198.90	41424	285.00	2481
56.00	6637	131.00	2171	200.00	3250	293.00	3259
57.00	15008	132.00	825	201.40	2584	294.00	791
58.10	4085	132.90	825	202.00	1529	295.10	716
59.00	2138	133.90	3159	203.00	4253	296.00	46256
61.00	2673	135.00	8932	204.00	23296	297.00	7558
62.00	2625	136.00	4452	205.00	36992	300.90	693
63.00	8833	137.10	4796	206.00	164416	301.90	1043
64.00	1350	138.00	1023	207.00	20752	303.00	6593
65.10	5026	140.00	1545	208.00	4847	304.00	980
67.00	1078	141.00	13295	209.00	2016	308.00	888
68.00	4833	142.00	4632	210.00	2321	310.00	722
69.00	247040	143.00	3652	211.00	6493	314.00	2159
70.00	2198	144.00	1120	212.00	1503	315.00	6079
71.00	3616	145.00	1049	214.90	1928	316.00	3198
73.10	2067	146.00	2304	216.00	3837	321.00	1724
74.00	21432	147.00	8103	216.90	39160	322.00	776
75.00	39256	148.00	15882	217.90	5428	323.00	15274
76.00	13112	149.00	3885	218.90	654	324.00	2494
77.10	264832	150.00	1052	221.00	34968	326.90	2885
78.10	17816	151.20	2103	223.00	9102	327.90	1509
79.00	17344	151.90	970	224.00	91624	332.00	1101

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D

Date : 03-MAY-2012 07:03

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: HP ChemStation MS DFTPP1.D, Scan 611: 7.349 min.
Location of Maximum: 197.90
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	13981	152.90	4691	225.00	21376	333.00	1697
81.00	19872	153.90	3340	226.10	2634	334.00	10999
82.00	5446	155.00	7758	227.00	36224	335.00	2662
83.00	5042	156.00	13768	228.00	4733	341.00	1571
84.00	1248	157.00	2502	229.00	7241	345.90	2892
85.10	7366	157.90	2377	229.90	1479	352.00	3835
86.00	5508	159.00	1566	231.00	3258	353.00	2958
86.90	2825	159.90	5027	232.00	875	354.00	4477
87.90	1078	161.00	7254	233.00	693	354.90	782
91.00	4833	162.00	1774	234.00	2539	365.00	21896
92.00	4761	163.90	942	235.00	2626	365.90	2483
93.00	30048	165.00	5690	236.00	1688	371.00	1235
94.00	2556	165.90	4413	236.90	3380	372.00	8665
95.00	1347	167.00	27176	239.00	1614	373.00	1964
96.00	1939	168.00	12786	240.00	1019	382.90	1901
97.10	1838	169.00	2471	241.00	2137	390.00	1137
98.00	23672	170.00	1218	241.90	3941	402.00	3378
99.00	18304	170.90	1082	243.00	5247	403.00	3508
100.00	1599	171.90	2802	244.00	72848	404.00	1646
101.00	10413	172.90	3542	245.00	10181	421.00	3465
101.90	838	174.00	6213	246.00	13478	422.00	3430
103.00	3056	175.00	12484	247.00	3207	423.00	24312
104.00	7971	175.90	3381	248.90	2528	424.00	6281
105.00	6582	177.00	5114	251.00	674	441.00	70240
106.10	2531	177.90	1926	253.00	1678	442.00	480128
107.00	85040	179.00	20576	254.00	3277	443.00	94216
108.00	12643	180.00	14924	255.00	379008	444.00	8209
109.10	2206	181.00	6430	256.00	56824		
110.00	151040	182.10	1203	257.00	3940		
111.00	23424	183.10	686	258.00	20640		
112.00	3135	183.90	1561	259.00	3784		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/03/2012 07:18

Datafile Analyzed: \\Svecd04\DD\chem\smsd01.i\S1050312.b\DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/03/2012 15:35

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050312.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/04/2012 12:28

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050312.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/08/2012 11:41

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050312.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:15

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050312.b/DFTPP1.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMCCV1.D
Lab Smp Id: 45886 Client Smp ID: SIMCCV1
Inj Date : 03-MAY-2012 07:23 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : 45886
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMBCSTR.m
Meth Date : 03-May-2012 07:41 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 95 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.276	4.276 (1.000)		152	20452	0.80000		80.00- 120.00	100.00
4.276	4.276 (1.000)		115	11837			27.88- 87.88	57.88
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.430	5.430 (1.000)		136	71425	0.80000		80.00- 120.00	100.00
5.430	5.430 (1.000)		68	3569			0.00- 35.00	5.00
6 Naphthalene							CAS #: 91-20-3	
5.453	5.453 (1.004)		128	45913	0.50000	0.49	80.00- 120.00	100.00
5.453	5.453 (1.004)		129	4686			0.00- 40.21	10.21
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.114	6.114 (1.126)		142	29939	0.50000	0.54	80.00- 120.00	100.00
6.114	6.114 (1.126)		141	24307			51.19- 111.19	81.19
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.208	6.208 (1.143)		142	32918	0.50000	0.46	80.00- 120.00	100.00
6.208	6.208 (1.143)		141	28003			55.07- 115.07	85.07
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.471	6.471 (0.908)		172	39334	0.50000	0.54	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.471	6.471	(0.908)	171	13021			3.10- 63.10	33.11
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	48288	0.50000	0.55	80.00- 120.00	100.00
6.982	6.982	(0.980)	151	9123			0.00- 48.89	18.89
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	42458	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	40355			65.05- 125.05	95.05
14 Acenaphthene						CAS #: 83-32-9		
7.158	7.158	(1.005)	153	31528	0.50000	0.48	80.00- 120.00	100.00
7.158	7.158	(1.005)	154	28834			61.46- 121.46	91.46
16 Fluorene						CAS #: 86-73-7		
7.668	7.668	(1.077)	166	33806	0.50000	0.52	80.00- 120.00	100.00
7.668	7.668	(1.077)	165	31233			62.39- 122.39	92.39
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	82669	0.80000		80.00- 120.00	100.00
8.575	8.575	(1.000)	94	6127			0.00- 37.41	7.41
18 Phenanthrene						CAS #: 85-01-8		
8.601	8.601	(1.002)	178	46475	0.50000	0.45	80.00- 120.00	100.00
8.601	8.601	(1.002)	179	7151			0.00- 45.39	15.39
19 Anthracene						CAS #: 120-12-7		
8.653	8.653	(1.008)	178	39185	0.50000	0.48	80.00- 120.00	100.00
8.653	8.653	(1.008)	179	5832			0.00- 44.88	14.88
21 Fluoranthene						CAS #: 206-44-0		
9.773	9.773	(1.139)	202	57411	0.50000	0.50	80.00- 120.00	100.00
9.767	9.767	(1.138)	101	4938			0.00- 38.60	8.60
22 Pyrene						CAS #: 129-00-0		
9.992	9.992	(0.894)	202	60396	0.50000	0.45	80.00- 120.00	100.00
9.992	9.992	(0.894)	200	12112			0.00- 50.05	20.06
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.908)	244	41523	0.50000	0.46	80.00- 120.00	100.00
10.143	10.143	(0.908)	122	3491			0.00- 38.41	8.41
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.159	11.159	(0.999)	228	47826	0.50000	0.57	80.00- 120.00	100.00
11.159	11.159	(0.999)	229	9245			0.00- 49.33	19.33
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.172	11.172	(1.000)	240	95324	0.80000		80.00- 120.00	100.00
11.165	11.165	(1.000)	120	7295			0.00- 37.65	7.65
27 Chrysene						CAS #: 218-01-9		
11.190	11.190	(1.002)	228	69544	0.50000	0.43	80.00- 120.00	100.00

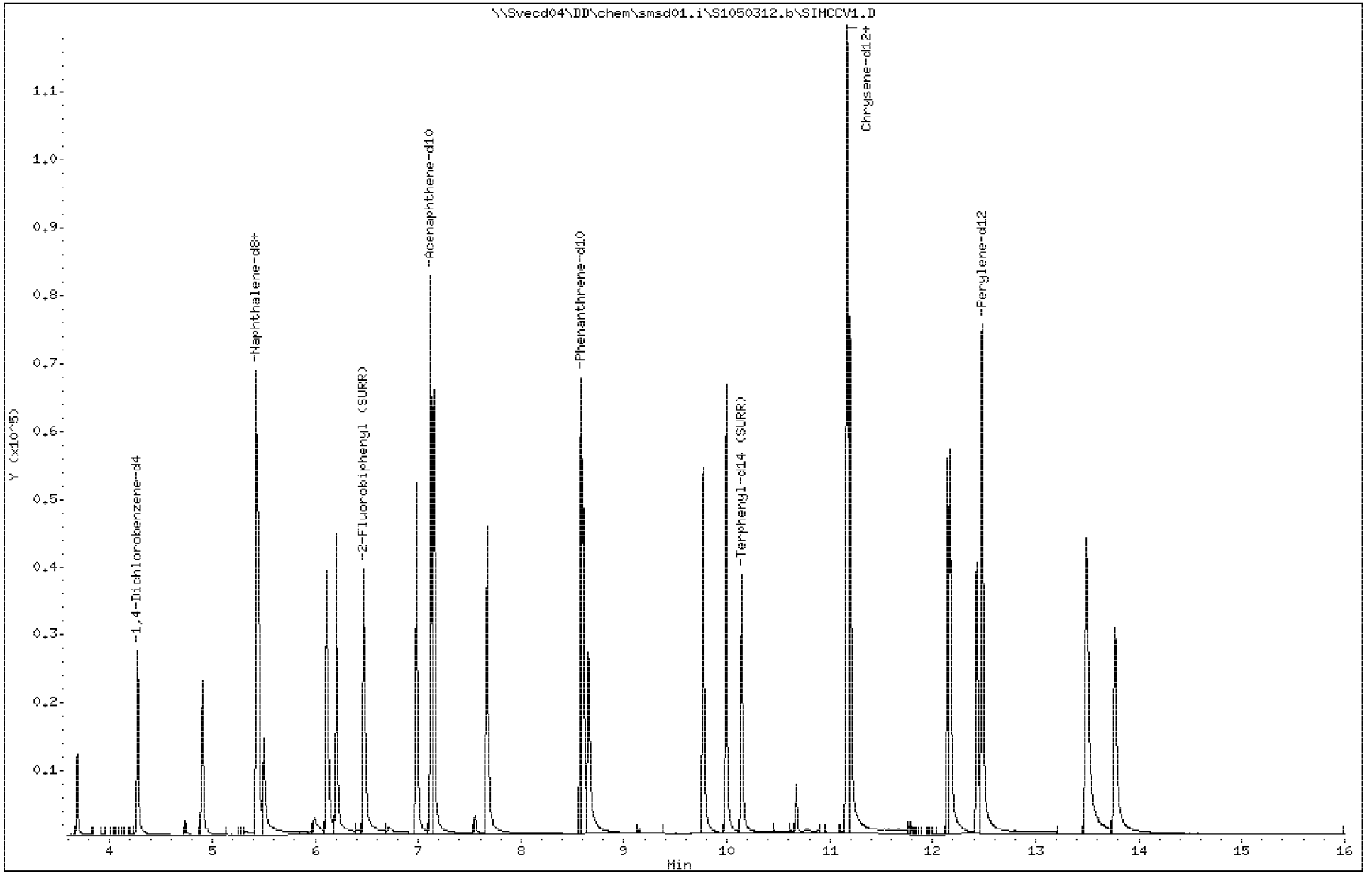
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.190	11.190	(1.002)	226	17076			0.00- 54.55	24.56
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.143	12.143	(0.973)	252	47555	0.50000	0.50	80.00- 120.00	100.00
12.146	12.146	(0.973)	253	11406			0.00- 53.98	23.99
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.168	12.168	(0.975)	252	78722	0.50000	0.49	80.00- 120.00	100.00
12.168	12.168	(0.975)	253	16256			0.00- 50.65	20.65
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.428	12.428	(0.996)	252	47797	0.50000	0.57	80.00- 120.00	100.00(M)
12.428	12.428	(0.996)	253	9959			0.00- 50.84	20.84
*	33 Perylene-d12					CAS #: 1520-96-3		
12.480	12.480	(1.000)	264	85037	0.80000		80.00- 120.00	100.00
12.480	12.480	(1.000)	260	19850			0.00- 53.34	23.34
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.487	13.487	(1.081)	276	60560	0.50000	0.47	80.00- 120.00	100.00
13.487	13.487	(1.081)	138	10467			0.00- 47.28	17.29
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.499	13.499	(1.082)	278	47830	0.50000	0.48	80.00- 120.00	100.00
13.495	13.495	(1.081)	139	5307			0.00- 41.10	11.10
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.771	13.771	(1.103)	276	55279	0.50000	0.46	80.00- 120.00	100.00
13.767	13.767	(1.103)	138	8073			0.00- 44.60	14.60

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMCCV1.D
Date : 03-MAY-2012 07:23
Client ID: SIMCCV1
Instrument: smsd01.i
Sample Info: 45886
Purge Volume: 1000.0
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

732



3505835

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Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\9282LCS.D
Lab Smp Id: 128647LCS Client Smp ID: 128647LCS
Inj Date : 03-MAY-2012 08:37 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : SIM128647LCS
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMBCSTR.m
Meth Date : 03-May-2012 07:41 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.610	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.276	4.276 (1.000)		152	18979	0.80000		80.00- 120.00	100.00
4.276	4.276 (1.000)		115	10874			27.88- 87.88	57.30
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.429	5.430 (1.000)		136	67614	0.80000		80.00- 120.00	100.00
5.429	5.430 (1.000)		68	3227			0.00- 35.00	4.77
6 Naphthalene							CAS #: 91-20-3	
5.453	5.453 (1.004)		128	56815	0.63655	30.9	80.00- 120.00	100.00
5.453	5.453 (1.004)		129	6001			0.00- 40.21	10.56
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.114	6.114 (1.126)		142	27578	0.52072	25.3	80.00- 120.00	100.00
6.114	6.114 (1.126)		141	23405			51.19- 111.19	84.87
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.208	6.208 (1.143)		142	26609	0.39754	19.3	80.00- 120.00	100.00
6.208	6.208 (1.143)		141	22071			55.07- 115.07	82.95

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.470	6.471	(0.908)	172	30213	0.42829	20.8	80.00- 120.00	100.00
6.470	6.471	(0.908)	171	10356			3.10- 63.10	34.28
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	44029	0.50956	24.7	80.00- 120.00	100.00
6.982	6.982	(0.980)	151	8214			0.00- 48.89	18.66
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	41547	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	39074			65.05- 125.05	94.05
14 Acenaphthene						CAS #: 83-32-9		
7.149	7.158	(1.004)	153	31844	0.49537	24.0	80.00- 120.00	100.00
7.157	7.158	(1.005)	154	29211			61.46- 121.46	91.73
16 Fluorene						CAS #: 86-73-7		
7.668	7.668	(1.077)	166	34746	0.55227	26.8	80.00- 120.00	100.00
7.668	7.668	(1.077)	165	32073			62.39- 122.39	92.31
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.575	8.581	(1.000)	188	80170	0.80000		80.00- 120.00	100.00
8.575	8.575	(1.000)	94	5551			0.00- 37.41	6.92
18 Phenanthrene						CAS #: 85-01-8		
8.601	8.601	(1.003)	178	58380	0.58412	28.3	80.00- 120.00	100.00
8.601	8.601	(1.003)	179	8923			0.00- 45.39	15.28
19 Anthracene						CAS #: 120-12-7		
8.652	8.653	(1.009)	178	48116	0.61061	29.6	80.00- 120.00	100.00
8.652	8.653	(1.009)	179	5469			0.00- 44.88	11.37
21 Fluoranthene						CAS #: 206-44-0		
9.766	9.773	(1.139)	202	63771	0.57708	28.0	80.00- 120.00	100.00
9.766	9.767	(1.139)	101	5396			0.00- 38.60	8.46
22 Pyrene						CAS #: 129-00-0		
9.992	9.992	(0.894)	202	61888	0.47110	22.8	80.00- 120.00	100.00
9.992	9.992	(0.894)	200	12418			0.00- 50.05	20.07
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.908)	244	36700	0.41258	20.0	80.00- 120.00	100.00
10.137	10.143	(0.907)	122	3083			0.00- 38.41	8.40
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.159	11.159	(0.999)	228	53566	0.64418	31.2	80.00- 120.00	100.00
11.159	11.159	(0.999)	229	10632			0.00- 49.33	19.85
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.171	11.172	(1.000)	240	94001	0.80000		80.00- 120.00	100.00
11.165	11.165	(1.000)	120	7439			0.00- 37.65	7.91
27 Chrysene						CAS #: 218-01-9		
11.190	11.190	(1.002)	228	73330	0.45764	22.2	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.190	11.190	(1.002)	226	18035			0.00- 54.55	24.60
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.146	12.143	(0.974)	252	51049	0.53308	25.9	80.00- 120.00	100.00
12.146	12.146	(0.974)	253	12104			0.00- 53.98	23.71
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.168	12.168	(0.975)	252	82882	0.50941	24.7	80.00- 120.00	100.00
12.168	12.168	(0.975)	253	17192			0.00- 50.65	20.74
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.428	12.428	(0.996)	252	47291	0.56228	27.3	80.00- 120.00	100.00(M)
12.428	12.428	(0.996)	253	10181			0.00- 50.84	21.53
*	33 Perylene-d12					CAS #: 1520-96-3		
12.476	12.480	(1.000)	264	85852	0.80000		80.00- 120.00	100.00
12.476	12.480	(1.000)	260	20032			0.00- 53.34	23.33
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.487	13.487	(1.081)	276	67496	0.51879	25.2	80.00- 120.00	100.00
13.487	13.487	(1.081)	138	11959			0.00- 47.28	17.72
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.495	13.499	(1.082)	278	55080	0.54259	26.3	80.00- 120.00	100.00
13.495	13.495	(1.082)	139	6415			0.00- 41.10	11.65
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.771	13.771	(1.104)	276	59522	0.48698	23.6	80.00- 120.00	100.00
13.767	13.767	(1.103)	138	8248			0.00- 44.60	13.86

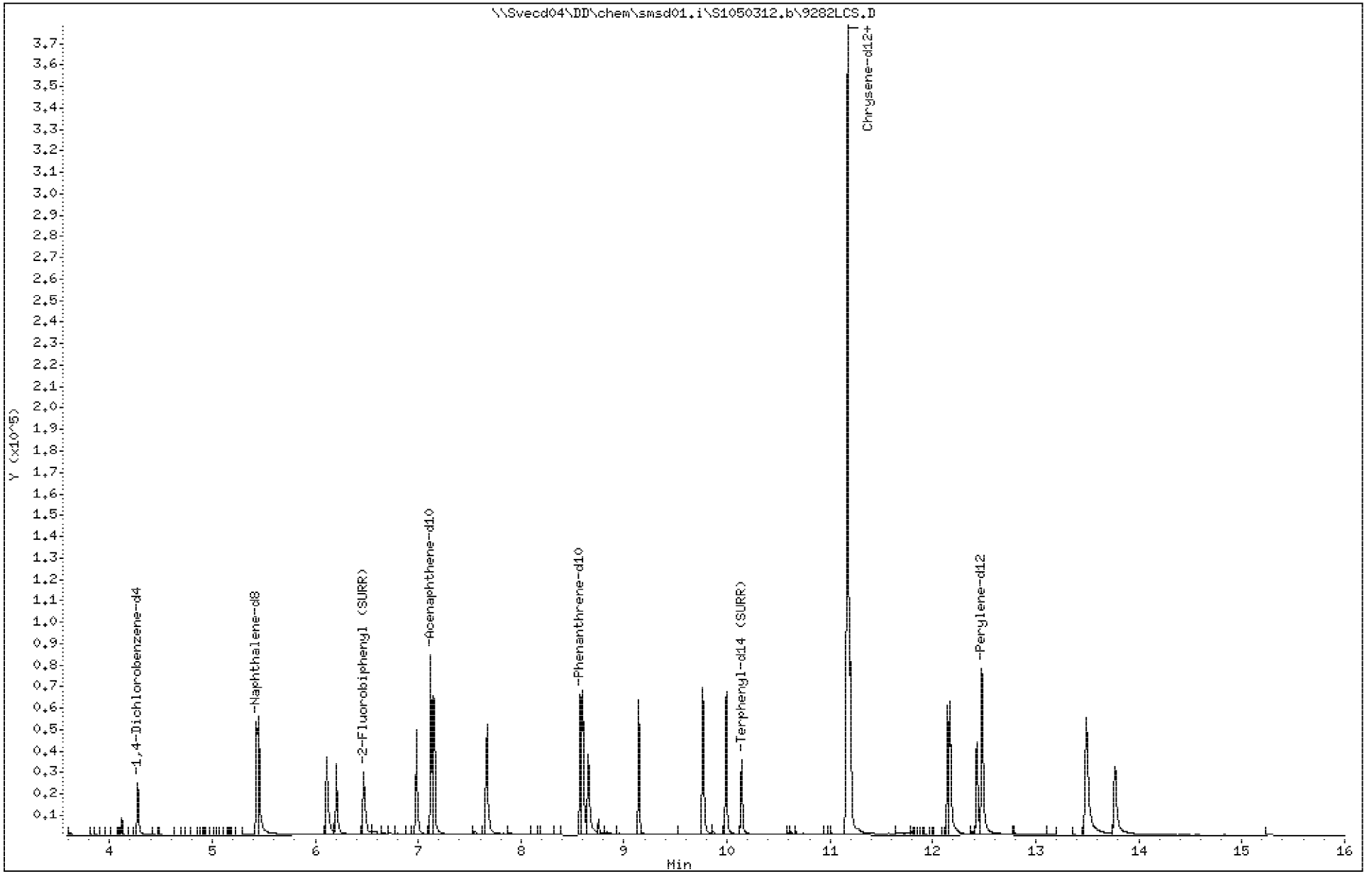
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\9282LCS.D
Date : 03-MAY-2012 08:37
Client ID: 128647LCS
Sample Info: SIM128647LCS

Instrument: smsd01.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

736



3505835

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Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\83501.D
Lab Smp Id: 350583501 Client Smp ID: EPAFMC-SD-01
Inj Date : 03-MAY-2012 17:06 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : SIM350583501
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMBCSTR.m
Meth Date : 03-May-2012 07:41 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.240	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.276	4.276	(1.000)	152	19027	0.80000		80.00- 120.00	100.00
4.272	4.276	(1.000)	115	10940			27.88- 87.88	57.50
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.430	5.430	(1.000)	136	63349	0.80000		80.00- 120.00	100.00
5.430	5.430	(1.000)	68	3228			0.00- 35.00	5.10
6 Naphthalene							CAS #: 91-20-3	
5.445	5.453	(1.003)	128	1039119	12.4259	728	80.00- 120.00	100.00(A)
5.445	5.453	(1.003)	129	114013			0.00- 40.21	10.97
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.103	6.114	(1.124)	142	357467	7.20397	422	80.00- 120.00	100.00
6.103	6.114	(1.124)	141	295044			51.19- 111.19	82.54
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.198	6.208	(1.141)	142	132812	2.11783	124	80.00- 120.00	100.00
6.198	6.208	(1.141)	141	116023			55.07- 115.07	87.36
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.471	6.471	(0.908)	172	28025	0.39272	23.0	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.471	6.471	(0.908)	171	9520			3.10- 63.10	33.97
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	1627728	18.6220	1090	80.00- 120.00	100.00(A)
6.982	6.982	(0.980)	151	315659			0.00- 48.89	19.39
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	42029	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	36901			65.05- 125.05	87.80
14 Acenaphthene						CAS #: 83-32-9		
7.149	7.158	(1.004)	153	1295359	19.9196	1170	80.00- 120.00	100.00(A)
7.158	7.158	(1.005)	154	1193835			61.46- 121.46	92.16
16 Fluorene						CAS #: 86-73-7		
7.659	7.668	(1.075)	166	2594622	40.7676	2390	80.00- 120.00	100.00(A)
7.659	7.668	(1.075)	165	2379184			62.39- 122.39	91.70
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	79758	0.80000		80.00- 120.00	100.00(M)
8.575	8.575	(0.999)	94	5662			0.00- 37.41	7.10
18 Phenanthrene						CAS #: 85-01-8		
8.601	8.601	(1.002)	178	12464662	125.358	7350	80.00- 120.00	100.00(AM)
8.607	8.601	(1.003)	179	2705753			0.00- 45.39	21.71
19 Anthracene						CAS #: 120-12-7		
8.653	8.653	(1.008)	178	11451707	146.078	8560	80.00- 120.00	100.00(AM)
8.659	8.653	(1.009)	179	2226477			0.00- 44.88	19.44
21 Fluoranthene						CAS #: 206-44-0		
9.773	9.773	(1.139)	202	15934327	144.939	8490	80.00- 120.00	100.00(AM)
9.785	9.767	(1.140)	101	2517484			0.00- 38.60	15.80
22 Pyrene						CAS #: 129-00-0		
9.999	9.992	(0.894)	202	13678827	71.7200	4200	80.00- 120.00	100.00(A)
10.005	9.992	(0.895)	200	4228821			0.00- 50.05	30.92
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.907)	244	40361	0.31253	18.3	80.00- 120.00	100.00(M)
10.149	10.143	(0.907)	122	9267			0.00- 38.41	22.96
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.172	11.159	(0.999)	228	14006110	116.017	6800	80.00- 120.00	100.00(A)
11.178	11.159	(0.999)	229	4823404			0.00- 49.33	34.44
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.184	11.172	(1.000)	240	136473	0.80000		80.00- 120.00	100.00
11.178	11.165	(1.000)	120	10879			0.00- 37.65	7.97
27 Chrysene						CAS #: 218-01-9		
11.209	11.190	(1.002)	228	14567607	62.6198	3670	80.00- 120.00	100.00(AH)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.216	11.190	(1.003)	226	5384813			0.00- 54.55	36.96
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.165	12.143	(0.974)	252	14741066	99.2776	5820	80.00- 120.00	100.00(A)
12.168	12.146	(0.974)	253	3516779			0.00- 53.98	23.86
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.183	12.168	(0.975)	252	6459243	25.6037	1500	80.00- 120.00	100.00(AM)
12.172	12.168	(0.974)	253	2670366			0.00- 50.65	41.34
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.451	12.428	(0.997)	252	10598312	81.2689	4760	80.00- 120.00	100.00(A)
12.454	12.428	(0.997)	253	2726591			0.00- 50.84	25.73
* 33 Perylene-d12						CAS #: 1520-96-3		
12.491	12.480	(1.000)	264	133117	0.80000		80.00- 120.00	100.00(M)
12.491	12.480	(1.000)	260	24268			0.00- 53.34	18.23
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.513	13.487	(1.082)	276	6219904	30.8331	1810	80.00- 120.00	100.00(A)
13.510	13.487	(1.082)	138	960393			0.00- 47.28	15.44
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.513	13.499	(1.082)	278	2485558	15.7914	926	80.00- 120.00	100.00(A)
13.513	13.495	(1.082)	139	241667			0.00- 41.10	9.72
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.804	13.771	(1.105)	276	5118679	27.0089	1580	80.00- 120.00	100.00(A)
13.801	13.767	(1.105)	138	762076			0.00- 44.60	14.89

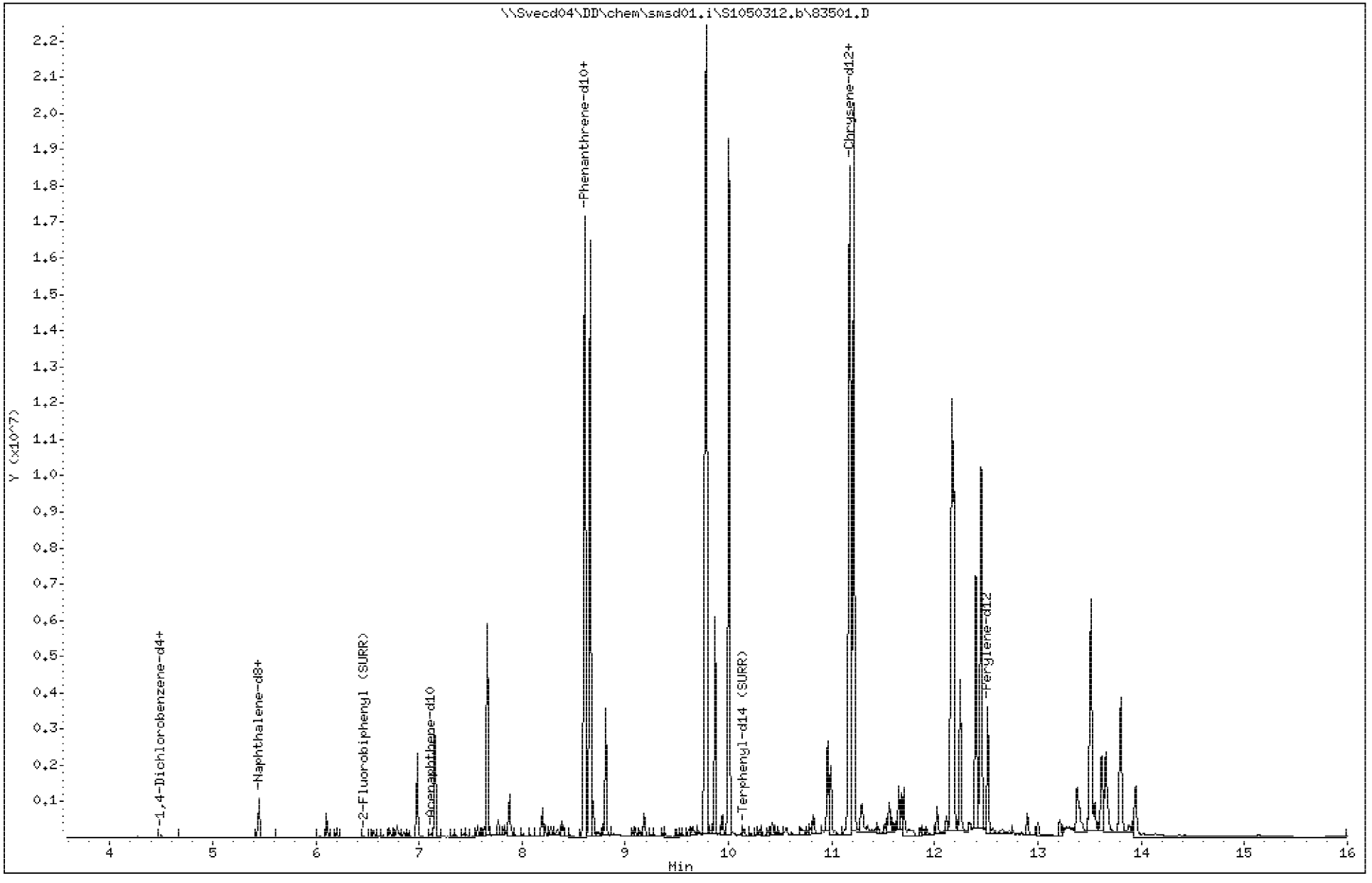
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\83501.D
Date : 03-MAY-2012 17:06
Client ID: EPAFMC-SD-01
Sample Info: SIM350583501

Instrument: smsd01.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

740



3505835

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Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\83502.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 03-MAY-2012 17:31 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : SIM350583502
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMBCSTR.m
Meth Date : 03-May-2012 07:41 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.730	Weight of sample extracted (g)
M	19.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.272	4.276 (1.000)		152	17748	0.80000		80.00- 120.00	100.00
4.272	4.276 (1.000)		115	10325			27.88- 87.88	58.18
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.430	5.430 (1.000)		136	59664	0.80000		80.00- 120.00	100.00
5.430	5.430 (1.000)		68	4663			0.00- 35.00	7.82
6 Naphthalene						CAS #: 91-20-3		
5.445	5.453 (1.003)		128	2521353	32.0129	1540	80.00- 120.00	100.00(A)
5.453	5.453 (1.004)		129	292189			0.00- 40.21	11.59
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.103	6.114 (1.124)		142	366630	7.84497	378	80.00- 120.00	100.00
6.103	6.114 (1.124)		141	303937			51.19- 111.19	82.90
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.198	6.208 (1.141)		142	158097	2.67673	129	80.00- 120.00	100.00
6.198	6.208 (1.141)		141	137793			55.07- 115.07	87.16
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.471	6.471 (0.908)		172	23183	0.33719	16.2	80.00- 120.00	100.00(R)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.471	6.471	(0.908)	171	7941			3.10- 63.10	34.25
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	2327626	27.6393	1330	80.00- 120.00	100.00(A)
6.982	6.982	(0.980)	151	452356			0.00- 48.89	19.43
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	40493	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	41696			65.05- 125.05	102.97
14 Acenaphthene						CAS #: 83-32-9		
7.158	7.158	(1.005)	153	955517	15.2510	734	80.00- 120.00	100.00(A)
7.158	7.158	(1.005)	154	891967			61.46- 121.46	93.35
16 Fluorene						CAS #: 86-73-7		
7.659	7.668	(1.075)	166	1603454	26.1497	1260	80.00- 120.00	100.00(A)
7.659	7.668	(1.075)	165	1541711			62.39- 122.39	96.15
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	76099	0.80000		80.00- 120.00	100.00(M)
8.575	8.575	(0.999)	94	5332			0.00- 37.41	7.01
18 Phenanthrene						CAS #: 85-01-8		
8.607	8.601	(1.003)	178	11388143	120.038	5780	80.00- 120.00	100.00(AM)
8.607	8.601	(1.003)	179	2290529			0.00- 45.39	20.11
19 Anthracene						CAS #: 120-12-7		
8.659	8.653	(1.009)	178	6865760	91.7904	4420	80.00- 120.00	100.00(AM)
8.659	8.653	(1.009)	179	1127919			0.00- 44.88	16.43
21 Fluoranthene						CAS #: 206-44-0		
9.779	9.773	(1.140)	202	17832910	170.008	8190	80.00- 120.00	100.00(AM)
9.792	9.767	(1.141)	101	3304192			0.00- 38.60	18.53
22 Pyrene						CAS #: 129-00-0		
9.999	9.992	(0.894)	202	15952789	115.421	5560	80.00- 120.00	100.00(AM)
10.011	9.992	(0.895)	200	5450931			0.00- 50.05	34.17
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.906)	244	49635	0.53036	25.5	80.00- 120.00	100.00(M)
10.156	10.143	(0.908)	122	11330			0.00- 38.41	22.83
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.172	11.159	(0.998)	228	16472669	188.288	9070	80.00- 120.00	100.00(A)
11.184	11.159	(0.999)	229	5966533			0.00- 49.33	36.22
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.190	11.172	(1.000)	240	98899	0.80000		80.00- 120.00	100.00
11.222	11.165	(1.000)	120	34056			0.00- 37.65	34.44
27 Chrysene						CAS #: 218-01-9		
11.209	11.190	(1.002)	228	15295923	90.7306	4370	80.00- 120.00	100.00(A)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.222	11.190	(1.003)	226	5875530			0.00- 54.55	38.41
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.168	12.143	(0.973)	252	16537468	103.387	4980	80.00- 120.00	100.00(AM)
12.180	12.146	(0.974)	253	4271038			0.00- 53.98	25.83
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.183	12.168	(0.974)	252	10351669	38.0897	1830	80.00- 120.00	100.00(AM)
12.187	12.168	(0.975)	253	2724090			0.00- 50.65	26.32
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.454	12.428	(0.996)	252	13988019	99.5679	4800	80.00- 120.00	100.00(A)
12.465	12.428	(0.997)	253	3868325			0.00- 50.84	27.65
* 33 Perylene-d12						CAS #: 1520-96-3		
12.502	12.480	(1.000)	264	143403	0.80000		80.00- 120.00	100.00(M)
12.499	12.480	(1.000)	260	24435			0.00- 53.34	17.04
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.528	13.487	(1.082)	276	8683361	39.9574	1920	80.00- 120.00	100.00(A)
13.525	13.487	(1.082)	138	1402151			0.00- 47.28	16.15
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.525	13.499	(1.082)	278	3147952	18.5652	894	80.00- 120.00	100.00(A)
13.525	13.495	(1.082)	139	364511			0.00- 41.10	11.58
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.819	13.771	(1.105)	276	6960959	34.0952	1640	80.00- 120.00	100.00(A)
13.819	13.767	(1.105)	138	1077323			0.00- 44.60	15.48

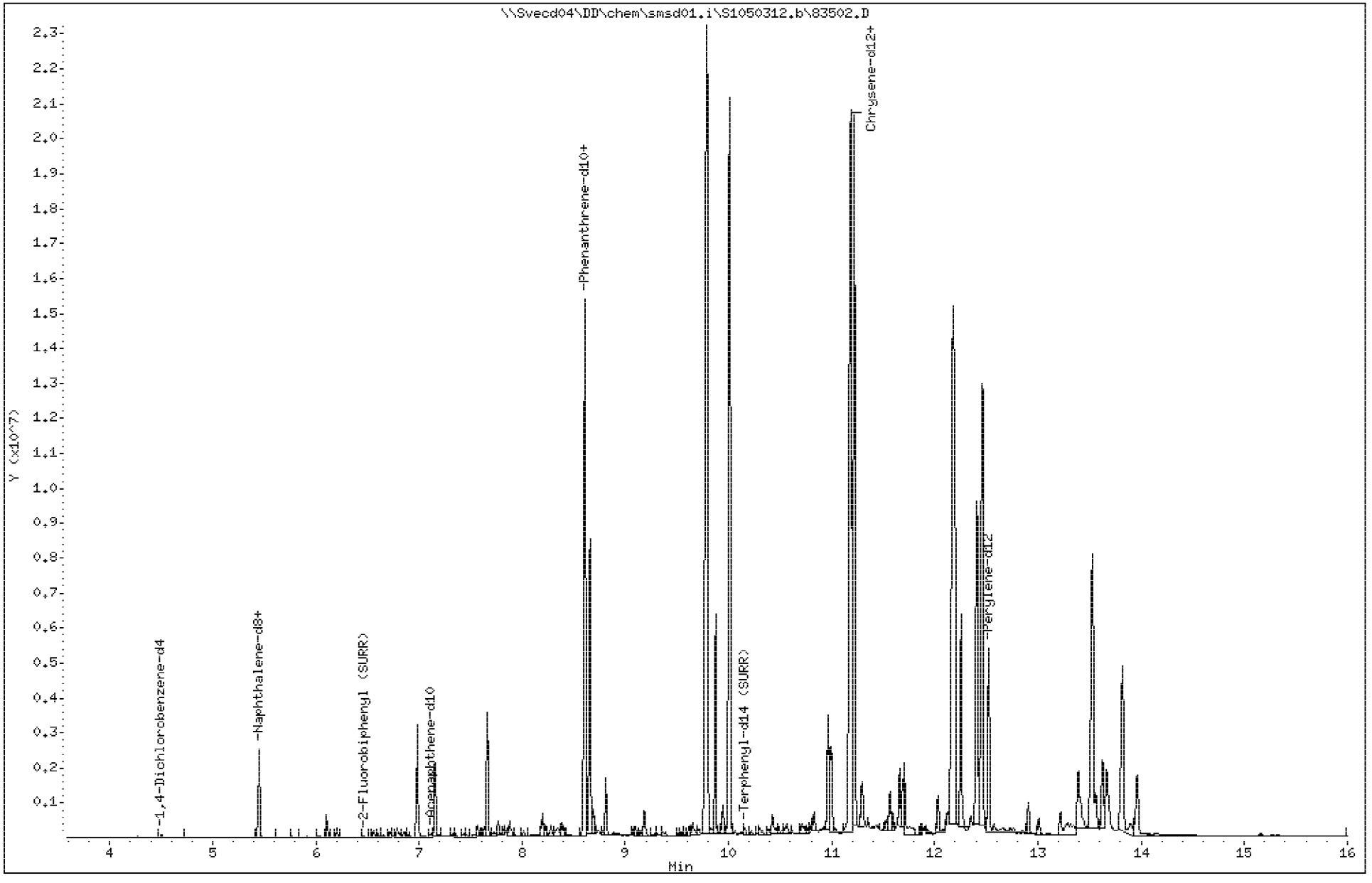
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\83502.D
Date : 03-MAY-2012 17:31
Client ID: EPAFMC-SD-02
Sample Info: SIM350583502

Instrument: smsd01.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

744



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050312.b\83503.D
Lab Smp Id: 350583503 Client Smp ID: EPAFMC-SD-03
Inj Date : 03-MAY-2012 18:45 MS Autotune Date: 19-MAR-2012 07:15
Operator : MJ Inst ID: smsd01.i
Smp Info : SIM350583503
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050312.b\SIMBCSTR.m
Meth Date : 03-May-2012 07:41 mjacobs Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.260	Weight of sample extracted (g)
M	25.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.276	4.276	(1.000)	152	15037	0.80000		80.00- 120.00	100.00
4.272	4.276	(1.000)	115	8747			27.88- 87.88	58.17
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.430	5.430	(1.000)	136	52590	0.80000		80.00- 120.00	100.00
5.430	5.430	(1.000)	68	2733			0.00- 35.00	5.20
6 Naphthalene						CAS #: 91-20-3		
5.453	5.453	(1.004)	128	356481	5.13496	274	80.00- 120.00	100.00
5.453	5.453	(1.004)	129	38092			0.00- 40.21	10.69
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.103	6.114	(1.124)	142	85757	2.08181	111	80.00- 120.00	100.00
6.103	6.114	(1.124)	141	71705			51.19- 111.19	83.61
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.198	6.208	(1.141)	142	42179	0.81019	43.2	80.00- 120.00	100.00
6.198	6.208	(1.141)	141	36812			55.07- 115.07	87.28
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.471	6.471	(0.908)	172	20406	0.33668	18.0	80.00- 120.00	100.00(R)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.471	6.471	(0.908)	171	6766			3.10- 63.10	33.16
12 Acenaphthylene						CAS #: 208-96-8		
6.982	6.982	(0.980)	152	1058846	14.2629	761	80.00- 120.00	100.00(A)
6.982	6.982	(0.980)	151	203063			0.00- 48.89	19.18
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.122	7.122	(1.000)	164	35696	0.80000		80.00- 120.00	100.00
7.122	7.122	(1.000)	162	32192			65.05- 125.05	90.18
14 Acenaphthene						CAS #: 83-32-9		
7.158	7.158	(1.005)	153	623544	11.2898	602	80.00- 120.00	100.00(A)
7.158	7.158	(1.005)	154	587293			61.46- 121.46	94.19
16 Fluorene						CAS #: 86-73-7		
7.659	7.668	(1.075)	166	928099	17.1698	916	80.00- 120.00	100.00(A)
7.659	7.668	(1.075)	165	903235			62.39- 122.39	97.32
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.581	8.581	(1.000)	188	70005	0.80000		80.00- 120.00	100.00(M)
8.575	8.575	(0.999)	94	5090			0.00- 37.41	7.27
18 Phenanthrene						CAS #: 85-01-8		
8.607	8.601	(1.003)	178	6497471	74.4495	3970	80.00- 120.00	100.00(AM)
8.607	8.601	(1.003)	179	1021021			0.00- 45.39	15.71
19 Anthracene						CAS #: 120-12-7		
8.652	8.653	(1.008)	178	3733696	54.2622	2900	80.00- 120.00	100.00(AM)
8.652	8.653	(1.008)	179	564578			0.00- 44.88	15.12
21 Fluoranthene						CAS #: 206-44-0		
9.779	9.773	(1.140)	202	10807052	111.997	5980	80.00- 120.00	100.00(AM)
9.779	9.767	(1.140)	101	1225918			0.00- 38.60	11.34
22 Pyrene						CAS #: 129-00-0		
10.005	9.992	(0.895)	202	9456699	76.7271	4090	80.00- 120.00	100.00(A)
10.005	9.992	(0.895)	200	2119797			0.00- 50.05	22.42
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.143	10.143	(0.907)	244	29386	0.35212	18.8	80.00- 120.00	100.00(M)
10.143	10.143	(0.907)	122	1889			0.00- 38.41	6.43
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.172	11.159	(0.999)	228	8423319	107.970	5760	80.00- 120.00	100.00(A)
11.172	11.159	(0.999)	229	2356032			0.00- 49.33	27.97
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.184	11.172	(1.000)	240	88192	0.80000		80.00- 120.00	100.00
11.178	11.165	(1.000)	120	8291			0.00- 37.65	9.40
27 Chrysene						CAS #: 218-01-9		
11.209	11.190	(1.002)	228	7996402	53.1907	2840	80.00- 120.00	100.00(A)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.209	11.190	(1.002)	226	2497272			0.00- 54.55	31.23
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.165	12.143	(0.974)	252	9047782	71.4073	3810	80.00- 120.00	100.00(A)
12.165	12.146	(0.974)	253	2046808			0.00- 53.98	22.62
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.180	12.168	(0.975)	252	3762671	17.4782	932	80.00- 120.00	100.00(AM)
12.180	12.168	(0.975)	253	983518			0.00- 50.65	26.14
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.447	12.428	(0.996)	252	6244885	56.1165	2990	80.00- 120.00	100.00(A)
12.447	12.428	(0.996)	253	1620085			0.00- 50.84	25.94
* 33 Perylene-d12						CAS #: 1520-96-3		
12.491	12.480	(1.000)	264	113594	0.80000		80.00- 120.00	100.00(M)
12.491	12.480	(1.000)	260	19255			0.00- 53.34	16.95
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.506	13.487	(1.081)	276	3361561	19.5278	1040	80.00- 120.00	100.00(A)
13.506	13.487	(1.081)	138	519506			0.00- 47.28	15.45
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.506	13.499	(1.081)	278	1333394	9.92736	530	80.00- 120.00	100.00
13.506	13.495	(1.081)	139	134347			0.00- 41.10	10.08
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.797	13.771	(1.105)	276	2720524	16.8221	898	80.00- 120.00	100.00(A)
13.793	13.767	(1.104)	138	411977			0.00- 44.60	15.14

QC Flag Legend

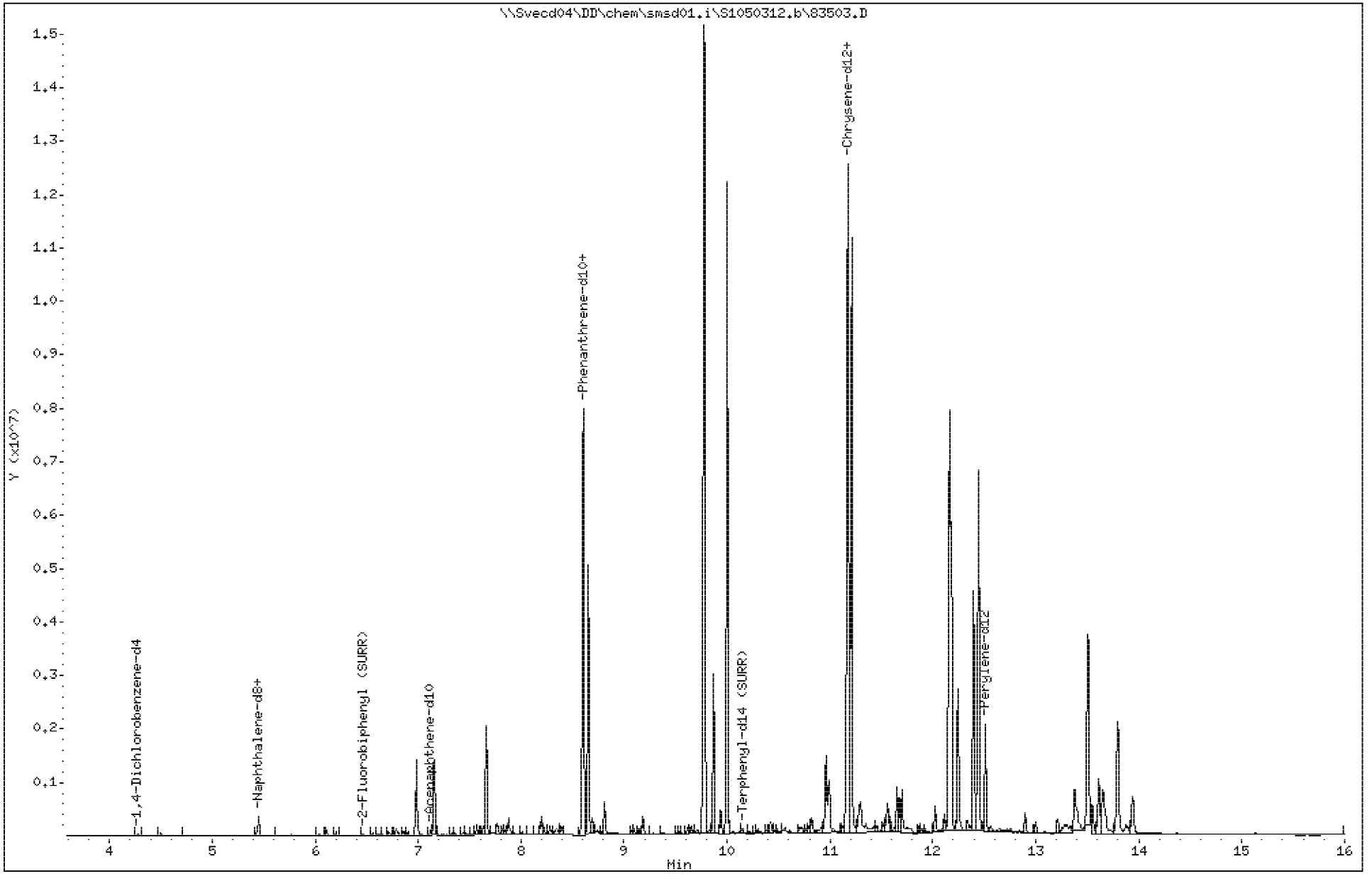
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050312.b\83503.D
Date : 03-MAY-2012 18:45
Client ID: EPAFMC-SD-03
Sample Info: SIM350583503

Instrument: smsd01.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

748

3505835



Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D
Report Date: 10-May-2012 13:16

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D
Lab Smp Id: 45777 Client Smp ID: DFTPP2
Inj Date : 07-MAY-2012 07:35 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DoDTUN.m
Meth Date : 08-May-2012 11:35 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.322	7.610	(0.000)	198	374592			0.00- 100.00	100.00
7.322	7.610	(0.000)	51	135552			10.00- 80.00	36.19
7.322	7.610	(0.000)	68	2588			0.00- 2.00	1.62
7.322	7.610	(0.000)	69	159936			0.00- 0.00	42.70
7.322	7.610	(0.000)	70	701			0.00- 2.00	0.44
7.322	7.610	(0.000)	127	184832			10.00- 80.00	49.34
7.322	7.610	(0.000)	197	543			0.00- 2.00	0.14
7.322	7.610	(0.000)	199	25616			5.00- 9.00	6.84
7.322	7.610	(0.000)	275	106104			10.00- 60.00	28.33
7.322	7.610	(0.000)	365	12965			1.00- 0.00	3.46
7.322	7.610	(0.000)	441	34768			0.01- 24.00	15.02
7.322	7.610	(0.000)	442	231488			50.00- 0.00	61.80
7.322	7.610	(0.000)	443	47160			15.00- 24.00	20.37

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D

Date : 07-MAY-2012 07:35

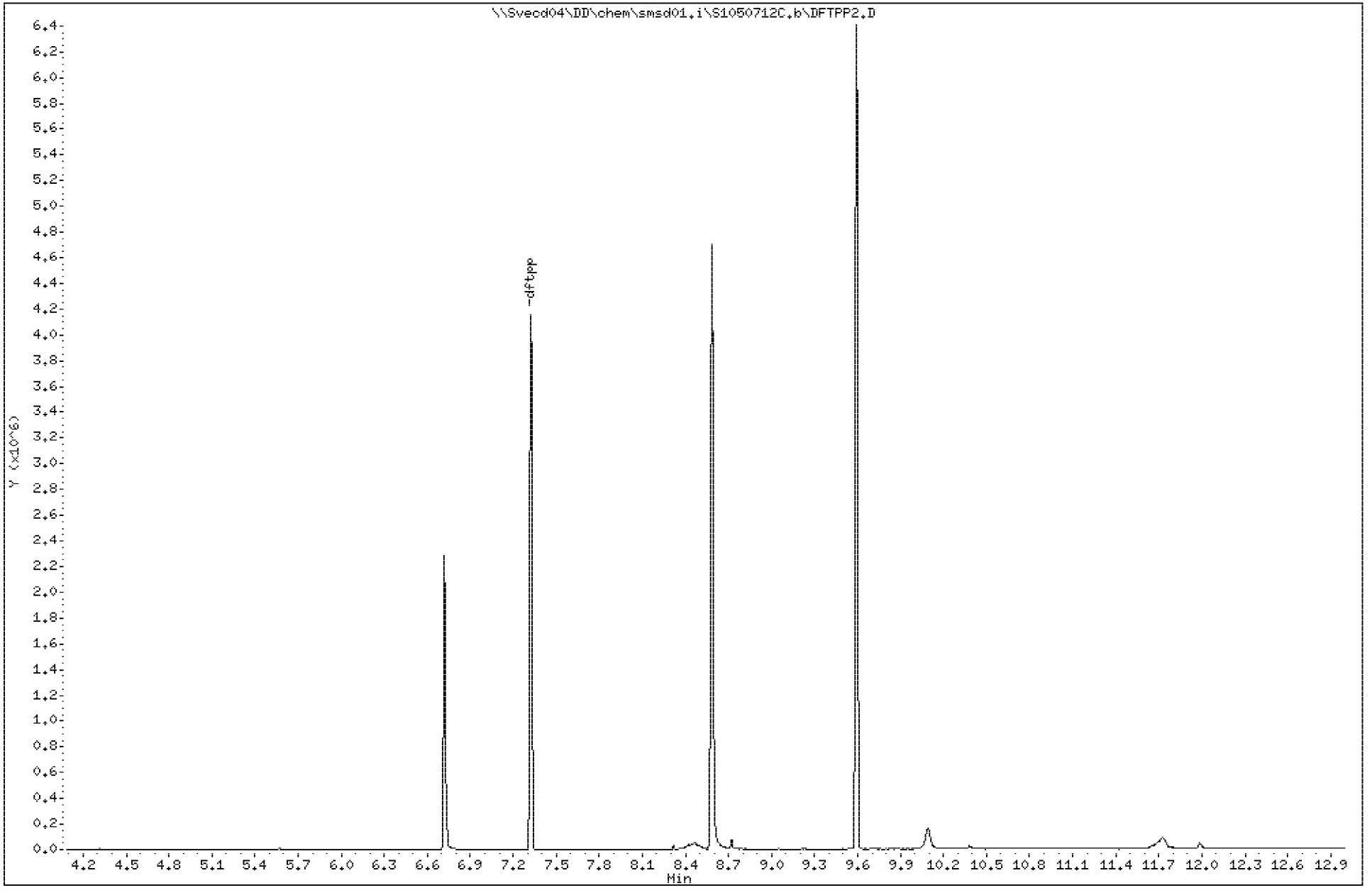
Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

750



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D

Date : 07-MAY-2012 07:35

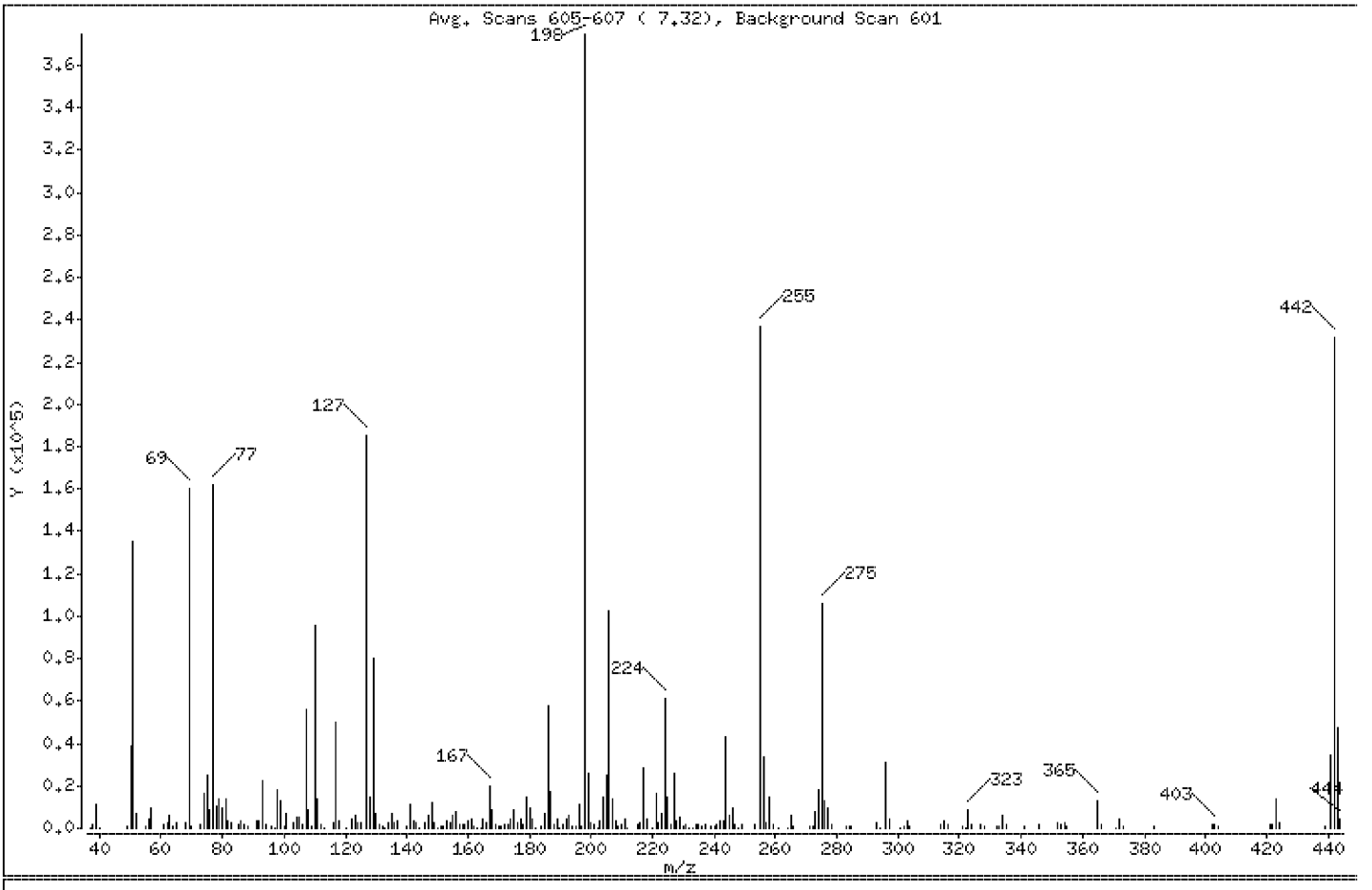
Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	36.19
68	Less than 2.00% of mass 69	0.69 (1.62)
69	Mass 69 relative abundance	42.70
70	Less than 2.00% of mass 69	0.19 (0.44)
127	10.00 - 80.00% of mass 198	49.34
197	Less than 2.00% of mass 198	0.14
199	5.00 - 9.00% of mass 198	6.84
275	10.00 - 60.00% of mass 198	28.33
365	Greater than 1.00% of mass 198	3.46
441	0.01 - 24.00% of mass 442	9.28 (15.02)
442	Greater than 50.00% of mass 198	61.80
443	15.00 - 24.00% of mass 442	12.59 (20.37)

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D

Date : 07-MAY-2012 07:35

Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 605-607 (7.32), Background Scan 601
Location of Maximum: 198.00
Number of points: 244

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	265	125.00	2482	192.00	4568	265.00	5612
38.00	1929	127.00	184832	193.00	5615	266.00	776
39.00	11190	128.00	14456	194.00	1065	271.00	473
40.00	223	129.00	80192	195.00	549	272.00	580
49.00	939	130.00	6923	196.00	11429	273.00	7582
50.00	38656	131.00	1397	197.00	543	274.00	18240
51.00	135552	132.00	628	198.00	374592	275.00	106104
52.00	7067	133.00	278	199.00	25616	276.00	13088
55.00	988	134.00	2516	200.00	2229	277.00	9854
56.00	3937	135.00	6571	201.00	1747	278.00	1426
57.00	9460	136.00	2329	202.00	250	283.00	796
61.00	1736	137.00	3060	203.00	3114	284.00	513
62.00	2405	140.00	1041	204.00	14934	285.00	1263
63.00	6143	141.00	11110	205.00	25264	293.00	2280
64.00	770	142.00	3564	206.00	102448	294.00	315
65.00	2924	143.00	2310	207.00	14014	296.00	31080
68.00	2588	144.00	372	208.00	3675	297.00	4643
69.00	159936	146.00	2239	209.00	1111	301.00	221
70.00	701	147.00	5883	210.00	1725	302.00	446
73.00	1514	148.00	12035	211.00	4230	303.00	3688
74.00	16712	149.00	2453	212.00	273	304.00	718
75.00	25264	150.00	247	215.00	1451	314.00	1323
76.00	8857	151.00	1273	216.00	2721	315.00	3403
77.00	161984	152.00	722	217.00	28232	316.00	1738
78.00	10508	153.00	3260	218.00	3894	321.00	775
79.00	13664	154.00	2261	220.00	221	322.00	223
80.00	9646	155.00	6077	221.00	16696	323.00	9011
81.00	13361	156.00	8158	222.00	2719	324.00	1740
82.00	3301	157.00	1574	223.00	6697	327.00	1625
83.00	2878	158.00	1882	224.00	60864	328.00	712
85.00	2119	159.00	1715	225.00	14777	332.00	671
86.00	3670	160.00	3541	226.00	1672	333.00	828
87.00	1565	161.00	4451	227.00	25448	334.00	5983
88.00	589	162.00	1105	228.00	3705	335.00	1518
91.00	3037	163.00	223	229.00	5125	341.00	885

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\DFTPP2.D

Date : 07-MAY-2012 07:35

Client ID: DFTPP2 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 605-607 (7.32), Background Scan 601
Location of Maximum: 198.00
Number of points: 244

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	3500	164.00	352	230.00	653	346.00	1703
93.00	22616	165.00	4162	231.00	1882	352.00	2877
94.00	1482	166.00	2879	232.00	222	353.00	1762
96.00	864	167.00	19632	233.00	238	354.00	2505
97.00	369	168.00	9041	234.00	1689	355.00	542
98.00	17952	169.00	1554	235.00	2072	365.00	12965
99.00	12949	170.00	476	236.00	1008	366.00	1546
100.00	1095	171.00	1015	237.00	2063	371.00	235
101.00	6480	172.00	1994	239.00	894	372.00	4195
103.00	2307	173.00	2039	240.00	921	373.00	972
104.00	5263	174.00	4486	241.00	1486	383.00	1080
105.00	5284	175.00	8191	242.00	3181	402.00	1305
106.00	1716	176.00	2233	243.00	3298	403.00	2028
107.00	56280	177.00	3958	244.00	43056	404.00	622
108.00	8315	178.00	1425	245.00	6208	421.00	1879
109.00	472	179.00	14899	246.00	9440	422.00	1815
110.00	95920	180.00	9647	247.00	1996	423.00	13503
111.00	14146	181.00	4606	248.00	289	424.00	2876
112.00	2105	182.00	305	249.00	1522	439.00	532
113.00	302	184.00	870	253.00	1343	441.00	34768
116.00	2744	185.00	7066	255.00	236672	442.00	231488
117.00	50344	186.00	57336	256.00	33384	443.00	47160
118.00	3684	187.00	16960	257.00	2769	444.00	4016
120.00	331	188.00	1853	258.00	14755		
122.00	4442	189.00	3984	259.00	1886		
123.00	6268	190.00	353	261.00	246		
124.00	2407	191.00	1700	264.00	265		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/07/2012 07:50

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050712C.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/08/2012 11:41

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050712C.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/09/2012 11:50

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050712C.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:16

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050712C.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL1.D
Lab Smp Id: 45403 Client Smp ID: SIMCAL1
Inj Date : 07-MAY-2012 08:02 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45403
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.254	4.253	(1.000)	152	16775	0.80000		80.00- 120.00	100.00(Q)
4.254	4.253	(1.000)	115	9992			32.50- 92.50	59.56
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.414	5.406	(1.000)	136	58334	0.80000		80.00- 120.00	100.00(Q)
5.406	5.406	(1.000)	68	2301			0.00- 34.01	3.94
6 Naphthalene							CAS #: 91-20-3	
5.430	5.429	(1.003)	128	1701	0.02000		80.00- 120.00	100.00(Q)
5.430	5.429	(1.003)	129	201			0.00- 40.52	11.82
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.093	6.093	(1.125)	142	1028	0.02000		80.00- 120.00	100.00(Q)
6.093	6.082	(1.125)	141	870			56.36- 116.36	84.63
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.187	6.177	(1.143)	142	1079	0.02000		80.00- 120.00	100.00(Q)
6.187	6.177	(1.143)	141	952			49.28- 109.28	88.23
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.450	6.449	(0.908)	172	1249	0.02000		80.00- 120.00	100.00(Q)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	414			4.13- 64.13	33.15
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	1489	0.02000		80.00- 120.00	100.00(Q)
6.964	6.964	(0.980)	151	297			0.00- 49.78	19.95
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	33431	0.80000		80.00- 120.00	100.00(Q)
7.105	7.105	(1.000)	162	31564			64.70- 124.70	94.42
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	1037	0.02000		80.00- 120.00	100.00(Q)
7.131	7.131	(1.004)	154	937			60.47- 120.47	90.36
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	1137	0.02000		80.00- 120.00	100.00(Q)
7.641	7.641	(1.076)	165	1103			64.52- 124.52	97.01
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	59540	0.80000		80.00- 120.00	100.00(Q)
8.555	8.549	(1.000)	94	4129			0.00- 36.97	6.93
18 Phenanthrene						CAS #: 85-01-8		
8.581	8.575	(1.003)	178	1679	0.02000		80.00- 120.00	100.00(Q)
8.581	8.575	(1.003)	179	249			0.00- 45.15	14.83
19 Anthracene						CAS #: 120-12-7		
8.633	8.626	(1.009)	178	1184	0.02000		80.00- 120.00	100.00(Q)
8.633	8.626	(1.009)	179	156			0.00- 45.16	13.18
21 Fluoranthene						CAS #: 206-44-0		
9.754	9.748	(1.140)	202	1940	0.02000		80.00- 120.00	100.00(Q)
9.748	9.741	(1.139)	101	190			0.00- 38.08	9.79
22 Pyrene						CAS #: 129-00-0		
9.974	9.967	(0.894)	202	2295	0.02000		80.00- 120.00	100.00(Q)
9.974	9.967	(0.894)	200	551			0.00- 50.73	24.01
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.124	10.124	(0.908)	244	1396	0.02000		80.00- 120.00	100.00(Q)
10.124	10.118	(0.908)	122	132			0.00- 38.43	9.46
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.140	11.140	(0.999)	228	1969	0.02000		80.00- 120.00	100.00(Q)
11.140	11.140	(0.999)	229	445			0.00- 50.51	22.60
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.153	11.146	(1.000)	240	72087	0.80000		80.00- 120.00	100.00(Q)
11.147	11.140	(1.000)	120	5428			0.00- 37.78	7.53
27 Chrysene						CAS #: 218-01-9		
11.178	11.171	(1.002)	228	2083	0.02000		80.00- 120.00	100.00(Q)

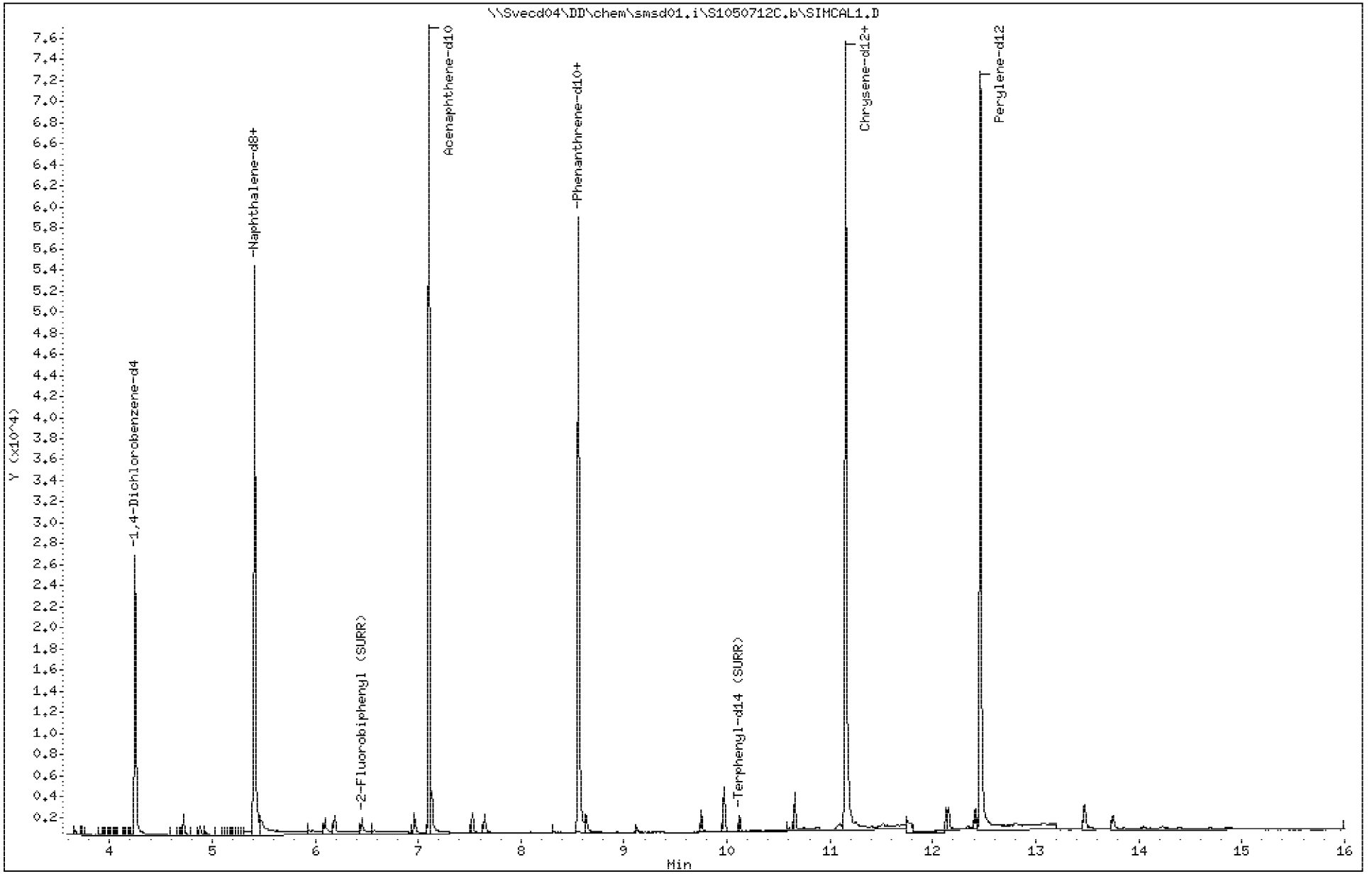
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	567			0.00- 58.50	27.22
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.131	12.124	(0.973)	252	1842	0.02000		80.00- 120.00	100.00(Q)
12.131	12.124	(0.973)	253	363			0.00- 51.26	19.71
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.154	12.146	(0.975)	252	2345	0.02000		80.00- 120.00	100.00(QM)
12.131	12.146	(0.973)	253	410			0.00- 53.27	17.48
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.413	12.402	(0.996)	252	1764	0.02000		80.00- 120.00	100.00(Q)
12.413	12.406	(0.996)	253	390			0.00- 53.07	22.11
*	33 Perylene-d12					CAS #: 1520-96-3		
12.462	12.454	(1.000)	264	68110	0.80000		80.00- 120.00	100.00(Q)
12.462	12.454	(1.000)	260	15387			0.00- 52.55	22.59
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.469	13.454	(1.081)	276	2020	0.02000		80.00- 120.00	100.00(Q)
13.469	13.454	(1.081)	138	437			0.00- 49.54	21.63
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.476	13.465	(1.081)	278	1612	0.02000		80.00- 120.00	100.00(QM)
13.472	13.461	(1.081)	139	207			0.00- 43.05	12.84
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.748	13.737	(1.103)	276	1818	0.02000		80.00- 120.00	100.00(Q)
13.752	13.733	(1.104)	138	382			0.00- 46.66	21.01

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL1.D
Date : 07-MAY-2012 08:02
Client ID: SIMCAL1
Instrument: smsd01.i
Sample Info: 45403
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

758



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL2.D
Lab Smp Id: 45402 Client Smp ID: SIMCAL2
Inj Date : 07-MAY-2012 08:25 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45402
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.254	4.253	(1.000)	152	17817	0.80000		80.00- 120.00	100.00
	4.254	4.253	(1.000)	115	11228			32.50- 92.50	63.02
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.406	5.406	(1.000)	136	64957	0.80000		80.00- 120.00	100.00
	5.406	5.406	(1.000)	68	2676			0.00- 34.01	4.12
	6 Naphthalene						CAS #: 91-20-3		
	5.430	5.429	(1.004)	128	4223	0.05000	0.044	80.00- 120.00	100.00
	5.430	5.429	(1.004)	129	465			0.00- 40.52	11.01
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.093	6.093	(1.127)	142	2699	0.05000	0.047	80.00- 120.00	100.00
	6.093	6.082	(1.127)	141	2306			56.36- 116.36	85.44
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.187	6.177	(1.144)	142	2861	0.05000	0.048	80.00- 120.00	100.00
	6.187	6.177	(1.144)	141	2596			49.28- 109.28	90.74
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.450	6.449	(0.908)	172	3459	0.05000	0.049	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449 (0.908)		171	1180			4.13- 64.13	34.11
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964 (0.980)		152	4246	0.05000	0.050	80.00- 120.00	100.00
6.964	6.964 (0.980)		151	886			0.00- 49.78	20.87
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105 (1.000)		164	37986	0.80000		80.00- 120.00	100.00
7.105	7.105 (1.000)		162	36940			64.70- 124.70	97.25
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131 (1.004)		153	2874	0.05000	0.049	80.00- 120.00	100.00
7.131	7.131 (1.004)		154	2538			60.47- 120.47	88.31
16 Fluorene						CAS #: 86-73-7		
7.641	7.641 (1.076)		166	3191	0.05000	0.049	80.00- 120.00	100.00
7.641	7.641 (1.076)		165	3078			64.52- 124.52	96.46
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555 (1.000)		188	66073	0.80000		80.00- 120.00	100.00
8.555	8.549 (1.000)		94	4766			0.00- 36.97	7.21
18 Phenanthrene						CAS #: 85-01-8		
8.581	8.575 (1.003)		178	4544	0.05000	0.049	80.00- 120.00	100.00
8.581	8.575 (1.003)		179	758			0.00- 45.15	16.68
19 Anthracene						CAS #: 120-12-7		
8.633	8.626 (1.009)		178	3369	0.05000	0.051	80.00- 120.00	100.00
8.633	8.626 (1.009)		179	473			0.00- 45.16	14.04
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748 (1.139)		202	5238	0.05000	0.049	80.00- 120.00	100.00
9.748	9.741 (1.139)		101	409			0.00- 38.08	7.81
22 Pyrene						CAS #: 129-00-0		
9.974	9.967 (0.895)		202	5651	0.05000	0.047	80.00- 120.00	100.00
9.967	9.967 (0.894)		200	1219			0.00- 50.73	21.57
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.124	10.124 (0.908)		244	3489	0.05000	0.048	80.00- 120.00	100.00
10.118	10.118 (0.908)		122	299			0.00- 38.43	8.57
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.140	11.140 (0.999)		228	4792	0.05000	0.047	80.00- 120.00	100.00
11.140	11.140 (0.999)		229	960			0.00- 50.51	20.03
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146 (1.000)		240	74932	0.80000		80.00- 120.00	100.00
11.147	11.140 (1.000)		120	5960			0.00- 37.78	7.95
27 Chrysene						CAS #: 218-01-9		
11.172	11.171 (1.002)		228	5091	0.05000	0.047	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	1526			0.00- 58.50	29.97
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.128	12.124	(0.973)	252	4361	0.05000	0.045	80.00- 120.00	100.00
12.128	12.124	(0.973)	253	1056			0.00- 51.26	24.21
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	6426	0.05000	0.052	80.00- 120.00	100.00
12.128	12.146	(0.973)	253	1034			0.00- 53.27	16.09
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	4421	0.05000	0.048	80.00- 120.00	100.00
12.406	12.406	(0.996)	253	947			0.00- 53.07	21.42
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	71324	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	15988			0.00- 52.55	22.42
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.461	13.454	(1.081)	276	5418	0.05000	0.051	80.00- 120.00	100.00
13.461	13.454	(1.081)	138	1093			0.00- 49.54	20.17
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.469	13.465	(1.081)	278	4268	0.05000	0.050	80.00- 120.00	100.00
13.469	13.461	(1.081)	139	525			0.00- 43.05	12.30
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.741	13.737	(1.103)	276	4865	0.05000	0.051	80.00- 120.00	100.00
13.741	13.733	(1.103)	138	791			0.00- 46.66	16.26

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL2.D
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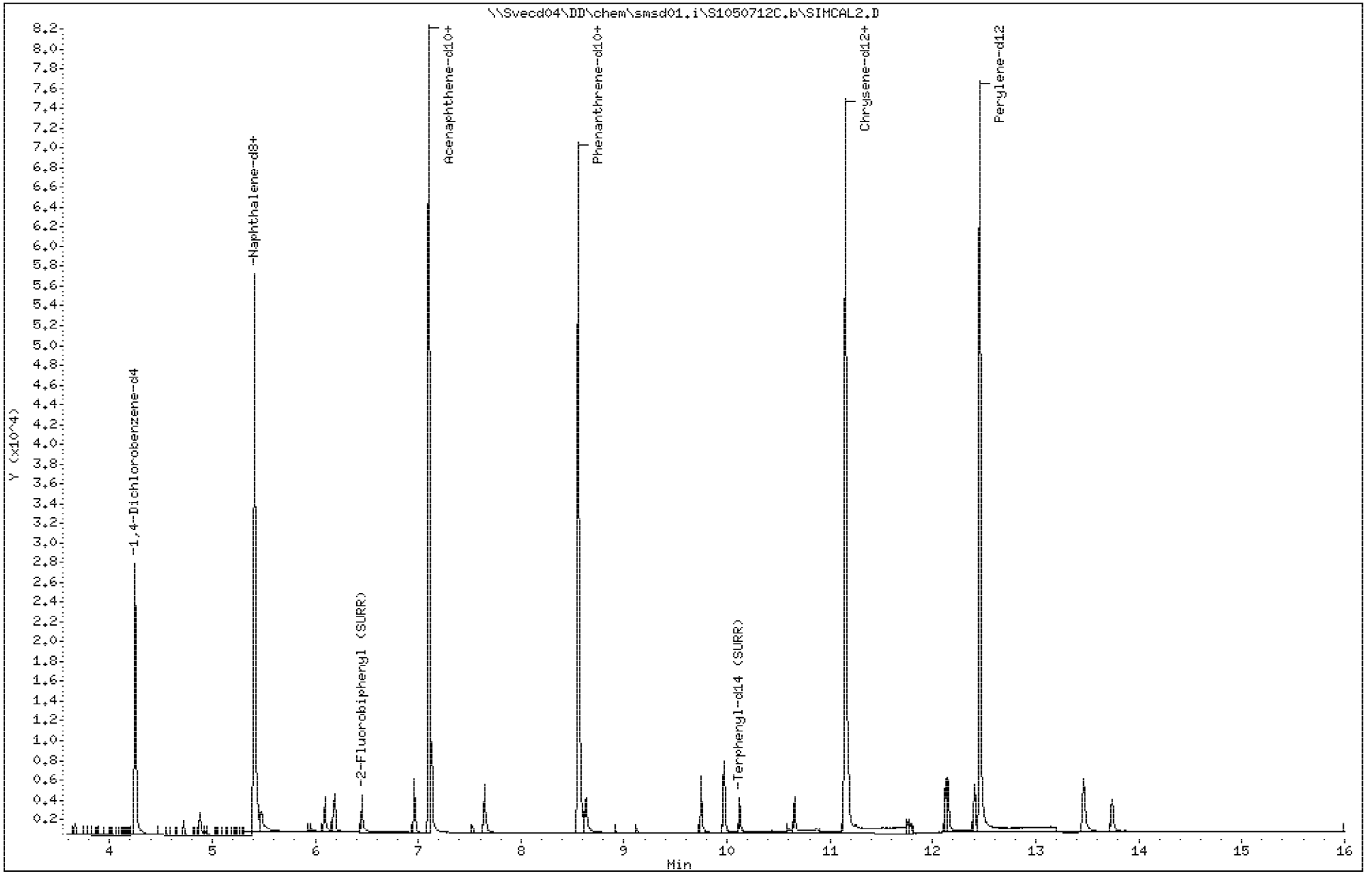
Client ID: SIMCAL2
Instrument: smsd01.i
Sample Info: 45402
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

762



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Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL3.D
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Operator : Inst ID: smsd01.i
Smp Info : 45401
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.254	4.253 (1.000)		152	17466	0.80000		80.00- 120.00	100.00
	4.254	4.253 (1.000)		115	10805			32.50- 92.50	61.86
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.406	5.406 (1.000)		136	62030	0.80000		80.00- 120.00	100.00
	5.406	5.406 (1.000)		68	2512			0.00- 34.01	4.05
	6 Naphthalene						CAS #: 91-20-3		
	5.430	5.429 (1.004)		128	5895	0.07000	0.069	80.00- 120.00	100.00
	5.430	5.429 (1.004)		129	608			0.00- 40.52	10.31
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.093	6.093 (1.127)		142	3637	0.07000	0.068	80.00- 120.00	100.00
	6.093	6.082 (1.127)		141	3077			56.36- 116.36	84.60
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.187	6.177 (1.144)		142	4024	0.07000	0.072	80.00- 120.00	100.00
	6.187	6.177 (1.144)		141	3345			49.28- 109.28	83.13
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.450	6.449 (0.908)		172	4500	0.07000	0.068	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449 (0.908)		171	1569			4.13- 64.13	34.87
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964 (0.980)		152	5745	0.07000	0.071	80.00- 120.00	100.00
6.964	6.964 (0.980)		151	1136			0.00- 49.78	19.77
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105 (1.000)		164	36086	0.80000		80.00- 120.00	100.00
7.105	7.105 (1.000)		162	34372			64.70- 124.70	95.25
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131 (1.004)		153	3848	0.07000	0.070	80.00- 120.00	100.00
7.131	7.131 (1.004)		154	3481			60.47- 120.47	90.46
16 Fluorene						CAS #: 86-73-7		
7.641	7.641 (1.076)		166	4299	0.07000	0.070	80.00- 120.00	100.00
7.641	7.641 (1.076)		165	4122			64.52- 124.52	95.88
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555 (1.000)		188	67928	0.80000		80.00- 120.00	100.00
8.555	8.549 (1.000)		94	4640			0.00- 36.97	6.83
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575 (1.002)		178	6150	0.07000	0.065	80.00- 120.00	100.00
8.581	8.575 (1.003)		179	1006			0.00- 45.15	16.36
19 Anthracene						CAS #: 120-12-7		
8.633	8.626 (1.009)		178	4517	0.07000	0.066	80.00- 120.00	100.00
8.633	8.626 (1.009)		179	741			0.00- 45.16	16.40
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748 (1.139)		202	7094	0.07000	0.065	80.00- 120.00	100.00
9.748	9.741 (1.139)		101	589			0.00- 38.08	8.30
22 Pyrene						CAS #: 129-00-0		
9.967	9.967 (0.894)		202	7404	0.07000	0.066	80.00- 120.00	100.00
9.967	9.967 (0.894)		200	1559			0.00- 50.73	21.06
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.124	10.124 (0.908)		244	4627	0.07000	0.067	80.00- 120.00	100.00
10.118	10.118 (0.908)		122	420			0.00- 38.43	9.08
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.140	11.140 (0.999)		228	6341	0.07000	0.066	80.00- 120.00	100.00
11.140	11.140 (0.999)		229	1236			0.00- 50.51	19.49
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146 (1.000)		240	72595	0.80000		80.00- 120.00	100.00
11.147	11.140 (1.000)		120	5839			0.00- 37.78	8.04
27 Chrysene						CAS #: 218-01-9		
11.172	11.171 (1.002)		228	6969	0.07000	0.068	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	2068			0.00- 58.50	29.67
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	6137	0.07000	0.069	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	1293			0.00- 51.26	21.07
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	8332	0.07000	0.069	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	2460			0.00- 53.27	29.52
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	5906	0.07000	0.068	80.00- 120.00	100.00
12.406	12.406	(0.996)	253	1295			0.00- 53.07	21.93
*	33 Perylene-d12					CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	68885	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	15311			0.00- 52.55	22.23
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.457	13.454	(1.081)	276	7362	0.07000	0.071	80.00- 120.00	100.00
13.457	13.454	(1.081)	138	1471			0.00- 49.54	19.98
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	5455	0.07000	0.066	80.00- 120.00	100.00
13.465	13.461	(1.081)	139	700			0.00- 43.05	12.83
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.741	13.737	(1.103)	276	6619	0.07000	0.071	80.00- 120.00	100.00
13.737	13.733	(1.103)	138	1108			0.00- 46.66	16.74

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL3.D
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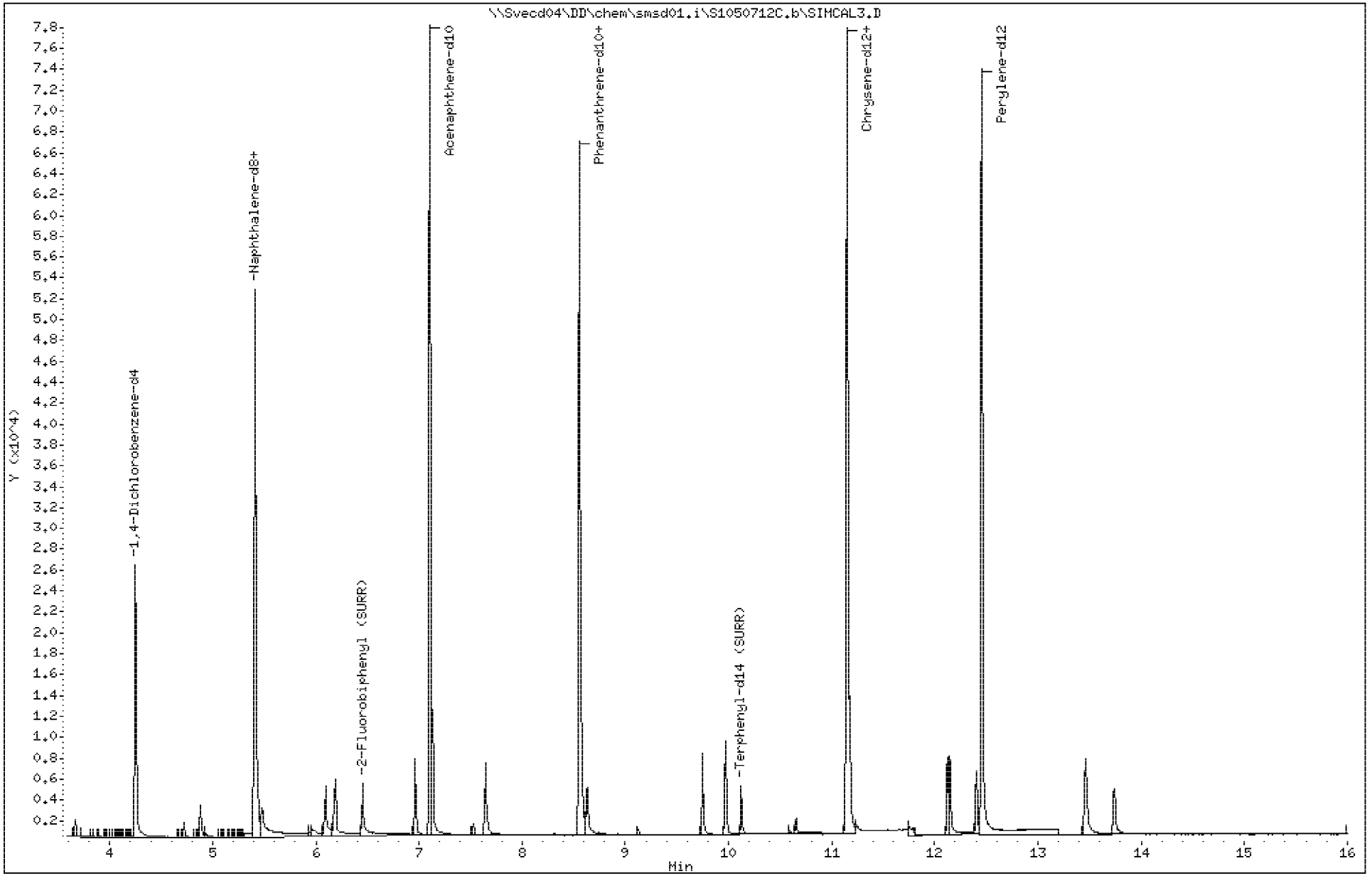
Client ID: SIMCAL3
Instrument: smsd01.i
Sample Info: 45401
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

766



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Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL4.D
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Operator : Inst ID: smsd01.i
Smp Info : 45400
Misc Info :
Comment :
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Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

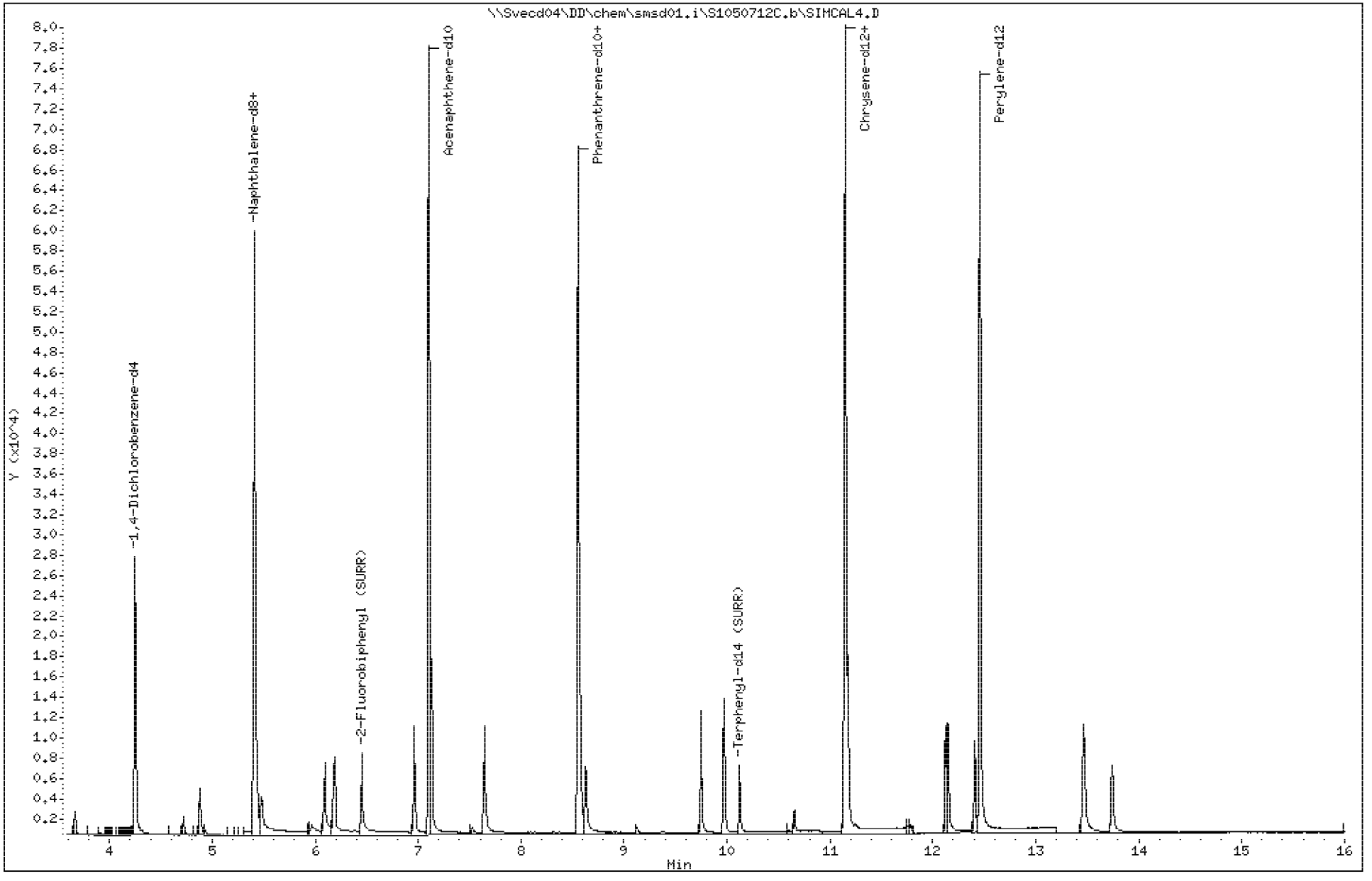
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253	(1.000)	152	17912	0.80000		80.00- 120.00	100.00
4.254	4.253	(1.000)	115	10615			32.50- 92.50	59.26
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	65407	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2685			0.00- 34.01	4.11
6 Naphthalene						CAS #: 91-20-3		
5.430	5.429	(1.004)	128	8768	0.10000	0.098	80.00- 120.00	100.00
5.430	5.429	(1.004)	129	933			0.00- 40.52	10.64
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.093	6.093	(1.127)	142	5468	0.10000	0.098	80.00- 120.00	100.00
6.093	6.082	(1.127)	141	4560			56.36- 116.36	83.39
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.187	6.177	(1.144)	142	6009	0.10000	0.10	80.00- 120.00	100.00
6.187	6.177	(1.144)	141	5085			49.28- 109.28	84.62
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.450	6.449	(0.908)	172	6797	0.10000	0.099	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	2332			4.13- 64.13	34.31
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	8559	0.10000	0.10	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	1678			0.00- 49.78	19.61
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	37543	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	36296			64.70- 124.70	96.68
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	5629	0.10000	0.098	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	5093			60.47- 120.47	90.48
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	6406	0.10000	0.10	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	6057			64.52- 124.52	94.55
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	68474	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	4757			0.00- 36.97	6.95
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	8944	0.10000	0.096	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	1319			0.00- 45.15	14.75
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	6882	0.10000	0.10	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	940			0.00- 45.16	13.66
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	10370	0.10000	0.096	80.00- 120.00	100.00
9.748	9.741	(1.139)	101	860			0.00- 38.08	8.29
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	10906	0.10000	0.096	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	2332			0.00- 50.73	21.38
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.124	10.124	(0.908)	244	6822	0.10000	0.098	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	609			0.00- 38.43	8.93
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	8701	0.10000	0.090	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	1684			0.00- 50.51	19.35
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146	(1.000)	240	74339	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5764			0.00- 37.78	7.75
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	10619	0.10000	0.10	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	2954			0.00- 58.50	27.82
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	8624	0.10000	0.096	80.00- 120.00	100.00
12.128	12.124	(0.973)	253	2077			0.00- 51.26	24.08
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	12352	0.10000	0.10	80.00- 120.00	100.00
12.150	12.146	(0.975)	253	3078			0.00- 53.27	24.92
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	8608	0.10000	0.098	80.00- 120.00	100.00
12.406	12.406	(0.996)	253	1867			0.00- 53.07	21.69
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	70041	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	15711			0.00- 52.55	22.43
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.461	13.454	(1.081)	276	10293	0.10000	0.097	80.00- 120.00	100.00
13.461	13.454	(1.081)	138	2067			0.00- 49.54	20.08
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.469	13.465	(1.081)	278	8304	0.10000	0.10	80.00- 120.00	100.00
13.469	13.461	(1.081)	139	1054			0.00- 43.05	12.69
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.741	13.737	(1.103)	276	9468	0.10000	0.100	80.00- 120.00	100.00
13.741	13.733	(1.103)	138	1615			0.00- 46.66	17.06

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL4.D
Date : 07-MAY-2012 09:13
Client ID: SIMCAL4
Instrument: smsd01.i
Sample Info: 45400
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

770



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL5.D
Lab Smp Id: 45399 Client Smp ID: SIMCAL5
Inj Date : 07-MAY-2012 09:37 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45399
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

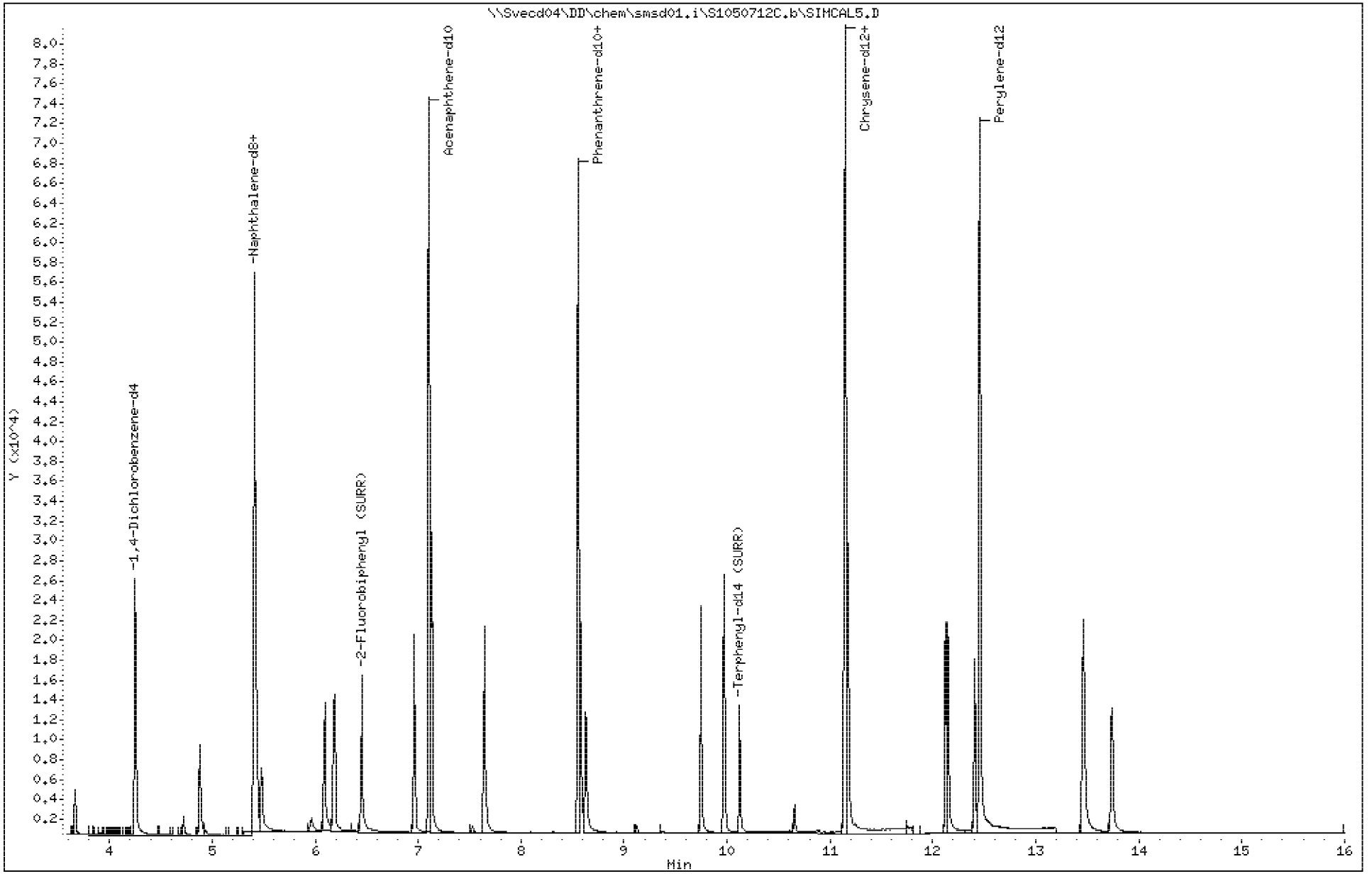
Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.253	4.253	(1.000)	152	17078	0.80000		80.00- 120.00	100.00
4.253	4.253	(1.000)	115	10365			32.50- 92.50	60.69
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.406	5.406	(1.000)	136	62236	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2509			0.00- 34.01	4.03
6 Naphthalene							CAS #: 91-20-3	
5.429	5.429	(1.004)	128	16412	0.20000	0.19	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	1723			0.00- 40.52	10.50
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.093	6.093	(1.127)	142	10453	0.20000	0.20	80.00- 120.00	100.00
6.093	6.082	(1.127)	141	8745			56.36- 116.36	83.66
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.187	6.177	(1.144)	142	11265	0.20000	0.20	80.00- 120.00	100.00
6.177	6.177	(1.143)	141	8470			49.28- 109.28	75.19
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.449	6.449	(0.908)	172	12547	0.20000	0.19	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449	(0.908)	171	4283			4.13- 64.13	34.14
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964	(0.980)	152	15998	0.20000	0.20	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	3098			0.00- 49.78	19.36
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	35429	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	33507			64.70- 124.70	94.58
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	10469	0.20000	0.19	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	9428			60.47- 120.47	90.06
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	11724	0.20000	0.19	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	11177			64.52- 124.52	95.33
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	63086	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	4425			0.00- 36.97	7.01
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	16684	0.20000	0.20	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	2492			0.00- 45.15	14.94
19 Anthracene							CAS #: 120-12-7	
8.626	8.626	(1.008)	178	12939	0.20000	0.21	80.00- 120.00	100.00
8.633	8.626	(1.009)	179	1816			0.00- 45.16	14.04
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	19662	0.20000	0.20	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	1582			0.00- 38.08	8.05
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	20385	0.20000	0.19	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	4323			0.00- 50.73	21.21
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.124	10.124	(0.908)	244	13082	0.20000	0.20	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	1117			0.00- 38.43	8.54
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.140	11.140	(0.999)	228	16204	0.20000	0.18	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	3343			0.00- 50.51	20.63
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146	(1.000)	240	70863	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5633			0.00- 37.78	7.95
27 Chrysene							CAS #: 218-01-9	
11.171	11.171	(1.002)	228	19749	0.20000	0.20	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.171	11.171	(1.002)	226	5627			0.00- 58.50	28.49
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	17271	0.20000	0.20	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	3690			0.00- 51.26	21.37
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	22256	0.20000	0.18	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	4673			0.00- 53.27	21.00
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	16800	0.20000	0.20	80.00- 120.00	100.00
12.406	12.406	(0.996)	253	4458			0.00- 53.07	26.54
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	68394	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	15199			0.00- 52.55	22.22
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.457	13.454	(1.080)	276	20460	0.20000	0.20	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	4059			0.00- 49.54	19.84
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	16326	0.20000	0.20	80.00- 120.00	100.00
13.465	13.461	(1.081)	139	2038			0.00- 43.05	12.48
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.737	13.737	(1.103)	276	17982	0.20000	0.19	80.00- 120.00	100.00
13.737	13.733	(1.103)	138	3024			0.00- 46.66	16.82

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL5.D
Date : 07-MAY-2012 09:37
Client ID: SIMCAL5
Instrument: smsd01.i
Sample Info: 45399
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL6.D
Lab Smp Id: 46068 Client Smp ID: SIMCAL6
Inj Date : 07-MAY-2012 10:01 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 46068
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	14769	0.80000		80.00- 120.00	100.00
4.253	4.253	(1.000)	115	9231			32.50- 92.50	62.50
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	54933	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2201			0.00- 34.01	4.01
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	39517	0.50000	0.53	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	4156			0.00- 40.52	10.52
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.093	6.093	(1.127)	142	25460	0.50000	0.53	80.00- 120.00	100.00
6.082	6.082	(1.125)	141	21986			56.36- 116.36	86.36
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	26603	0.50000	0.54	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	21090			49.28- 109.28	79.28
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.449	6.449	(0.908)	172	31799	0.50000	0.54	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449	(0.908)	171	10852			4.13- 64.13	34.13
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964	(0.980)	152	39969	0.50000	0.54	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	7907			0.00- 49.78	19.78
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	32728	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	30992			64.70- 124.70	94.70
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	25921	0.50000	0.52	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	23450			60.47- 120.47	90.47
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	30331	0.50000	0.54	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	28669			64.52- 124.52	94.52
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	58351	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	4065			0.00- 36.97	6.97
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	42906	0.50000	0.54	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	6501			0.00- 45.15	15.15
19 Anthracene							CAS #: 120-12-7	
8.626	8.626	(1.008)	178	32609	0.50000	0.54	80.00- 120.00	100.00
8.626	8.626	(1.008)	179	4943			0.00- 45.16	15.16
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	49599	0.50000	0.54	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	4006			0.00- 38.08	8.08
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	50382	0.50000	0.53	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	10445			0.00- 50.73	20.73
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.124	10.124	(0.908)	244	33023	0.50000	0.54	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	2784			0.00- 38.43	8.43
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.140	11.140	(0.999)	228	41822	0.50000	0.52	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	8576			0.00- 50.51	20.51
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146	(1.000)	240	65441	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5092			0.00- 37.78	7.78
27 Chrysene							CAS #: 218-01-9	
11.171	11.171	(1.002)	228	49902	0.50000	0.54	80.00- 120.00	100.00

				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.171	11.171	(1.002)	226	14223			0.00- 58.50	28.50
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	47477	0.50000	0.56	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	10093			0.00- 51.26	21.26
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	54376	0.50000	0.52	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	12655			0.00- 53.27	23.27
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.402	12.402	(0.996)	252	41767	0.50000	0.53	80.00- 120.00	100.00(M)
12.406	12.406	(0.996)	253	9635			0.00- 53.07	23.07
*	33 Perylene-d12					CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	61576	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	13886			0.00- 52.55	22.55
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.454	13.454	(1.080)	276	53309	0.50000	0.55	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	10418			0.00- 49.54	19.54
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	42547	0.50000	0.55	80.00- 120.00	100.00
13.461	13.461	(1.081)	139	5553			0.00- 43.05	13.05
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.737	13.737	(1.103)	276	46275	0.50000	0.54	80.00- 120.00	100.00
13.733	13.733	(1.103)	138	7711			0.00- 46.66	16.66

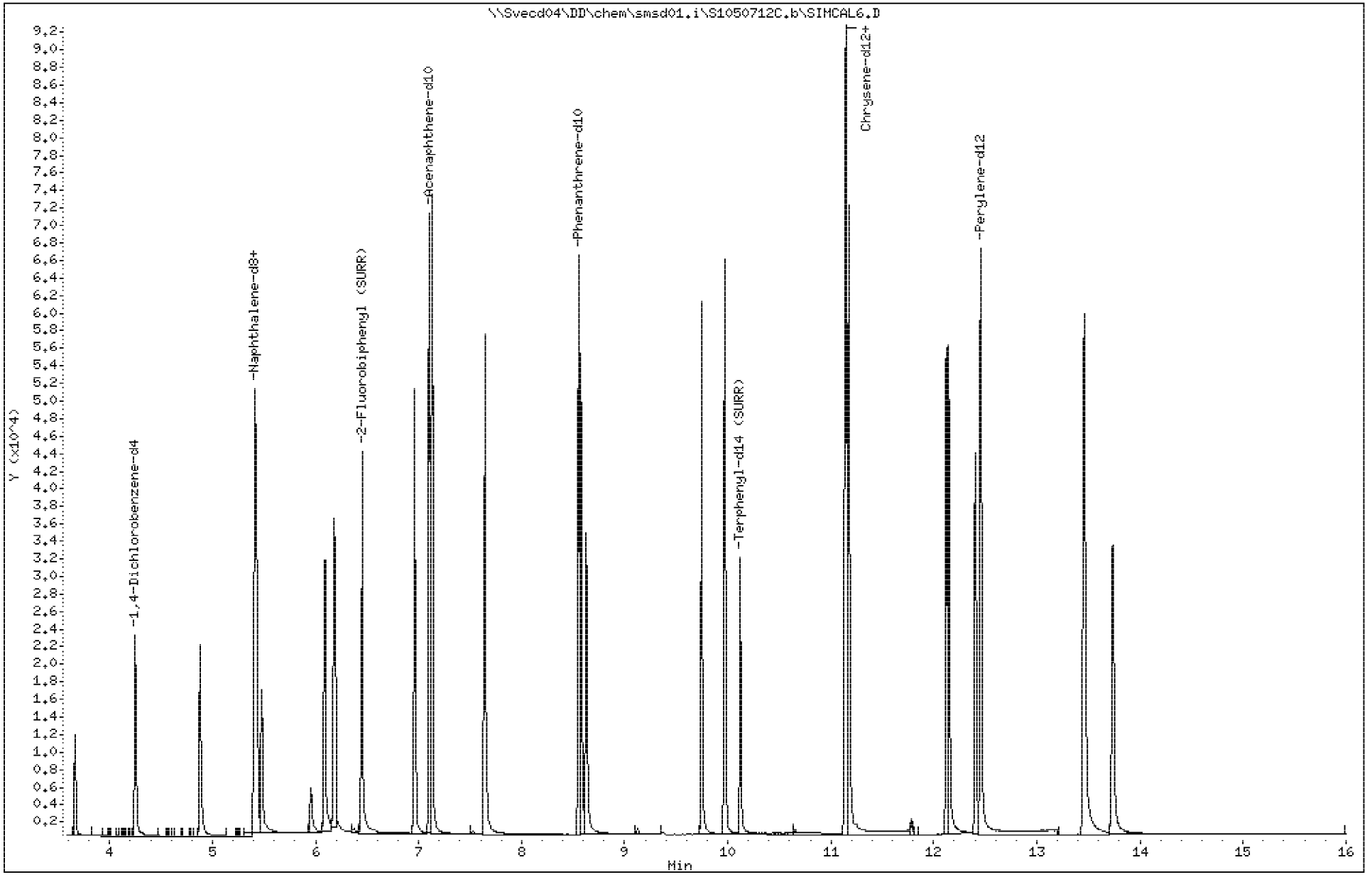
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL6.D
Date : 07-MAY-2012 10:01
Client ID: SIMCAL6
Instrument: smsd01.i
Sample Info: 46068
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

778

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL7.D
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Inj Date : 07-MAY-2012 10:25 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45397
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253	(1.000)	152	16379	0.80000		80.00- 120.00	100.00
4.254	4.253	(1.000)	115	10273			32.50- 92.50	62.72
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	60060	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2424			0.00- 34.01	4.04
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	55313	0.70000	0.68	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	5892			0.00- 40.52	10.65
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	35319	0.70000	0.69	80.00- 120.00	100.00
6.082	6.082	(1.125)	141	30263			56.36- 116.36	85.68
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	35790	0.70000	0.66	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	29315			49.28- 109.28	81.91
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.450	6.449	(0.908)	172	43582	0.70000	0.70	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	14748			4.13- 64.13	33.84
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964	(0.980)	152	54039	0.70000	0.70	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	10620			0.00- 49.78	19.65
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	34165	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	32149			64.70- 124.70	94.10
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	35189	0.70000	0.68	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	31697			60.47- 120.47	90.08
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	40710	0.70000	0.70	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	38743			64.52- 124.52	95.17
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	61370	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	4221			0.00- 36.97	6.88
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	58631	0.70000	0.70	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	8835			0.00- 45.15	15.07
19 Anthracene							CAS #: 120-12-7	
8.627	8.626	(1.008)	178	45005	0.70000	0.72	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	6693			0.00- 45.16	14.87
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	68805	0.70000	0.71	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	5382			0.00- 38.08	7.82
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	70829	0.70000	0.67	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	14749			0.00- 50.73	20.82
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.118	10.124	(0.908)	244	46046	0.70000	0.68	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	3958			0.00- 38.43	8.60
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.134	11.140	(0.999)	228	59400	0.70000	0.67	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	11476			0.00- 50.51	19.32
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146	(1.000)	240	71827	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5443			0.00- 37.78	7.58
27 Chrysene							CAS #: 218-01-9	
11.172	11.171	(1.002)	228	68880	0.70000	0.68	80.00- 120.00	100.00

				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	19536			0.00- 58.50	28.36
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.120	12.124	(0.973)	252	61210	0.70000	0.69	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	14306			0.00- 51.26	23.37
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.142	12.146	(0.975)	252	80738	0.70000	0.70	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	15992			0.00- 53.27	19.81
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.402	12.402	(0.996)	252	58406	0.70000	0.69	80.00- 120.00	100.00(M)
12.406	12.406	(0.996)	253	12976			0.00- 53.07	22.22
*	33 Perylene-d12					CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	66609	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	14826			0.00- 52.55	22.26
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.454	13.454	(1.080)	276	73695	0.70000	0.71	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	14524			0.00- 49.54	19.71
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.461	13.465	(1.081)	278	59345	0.70000	0.72	80.00- 120.00	100.00
13.461	13.461	(1.081)	139	7449			0.00- 43.05	12.55
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.737	13.737	(1.103)	276	63120	0.70000	0.69	80.00- 120.00	100.00
13.733	13.733	(1.103)	138	10516			0.00- 46.66	16.66

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL7.D
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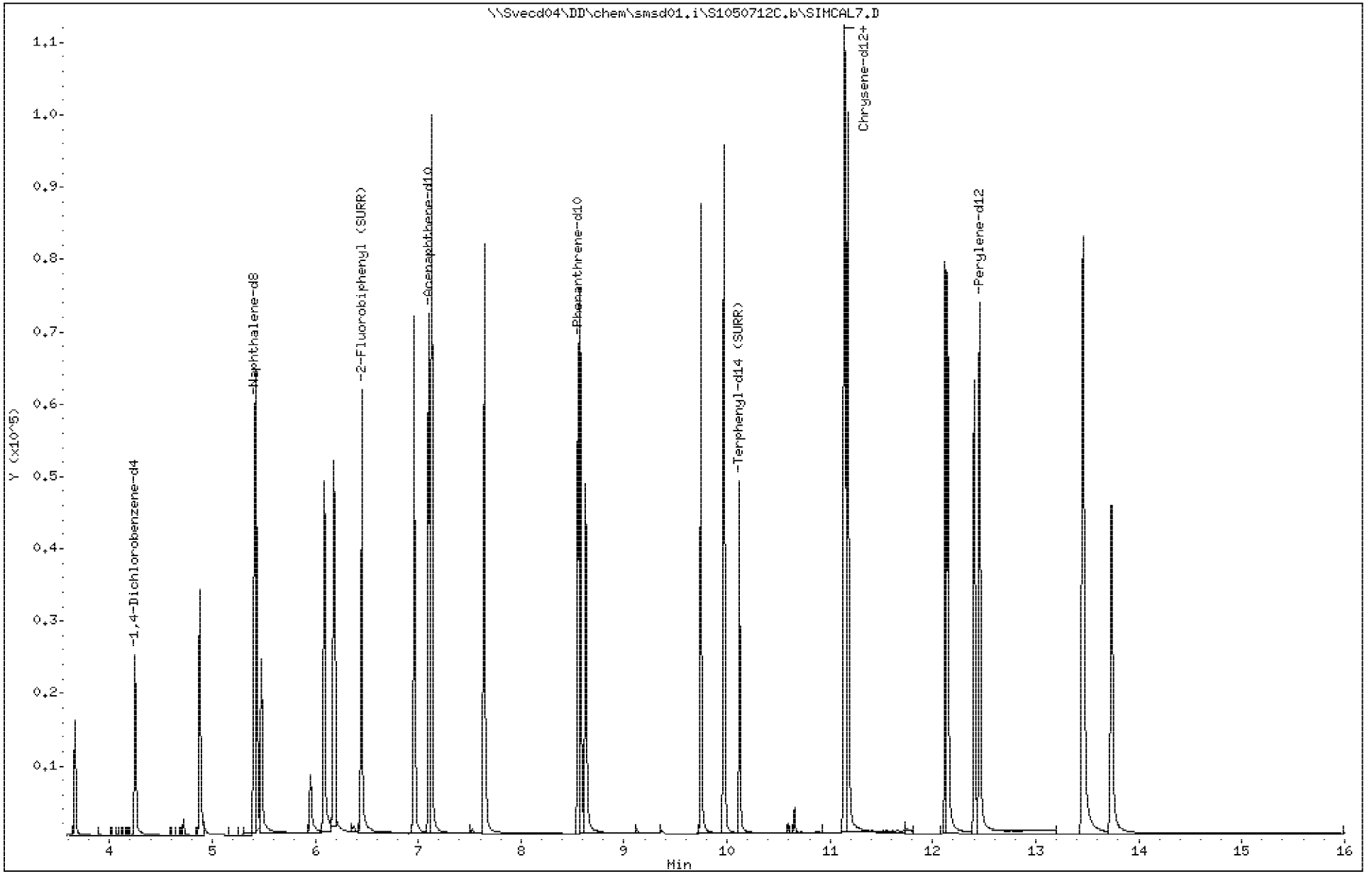
Client ID: SIMCAL7
Instrument: smsd01.i
Sample Info: 45397
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

782

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL8.D
Lab Smp Id: 45396 Client Smp ID: SIMCAL8
Inj Date : 07-MAY-2012 10:49 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45396
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253	(1.000)	152	16045	0.80000		80.00- 120.00	100.00
4.254	4.253	(1.000)	115	9782			32.50- 92.50	60.97
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	57616	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2321			0.00- 34.01	4.03
6 Naphthalene						CAS #: 91-20-3		
5.430	5.429	(1.004)	128	77119	1.00000	0.98	80.00- 120.00	100.00
5.430	5.429	(1.004)	129	8138			0.00- 40.52	10.55
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	47886	1.00000	0.97	80.00- 120.00	100.00
6.082	6.082	(1.125)	141	40699			56.36- 116.36	84.99
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	49826	1.00000	0.96	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	40535			49.28- 109.28	81.35
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.450	6.449	(0.908)	172	59029	1.00000	0.98	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449 (0.908)		171	19991			4.13- 64.13	33.87
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964 (0.980)		152	72929	1.00000	0.97	80.00- 120.00	100.00
6.964	6.964 (0.980)		151	14740			0.00- 49.78	20.21
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105 (1.000)		164	33012	0.80000		80.00- 120.00	100.00
7.105	7.105 (1.000)		162	31171			64.70- 124.70	94.42
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131 (1.004)		153	49228	1.00000	0.98	80.00- 120.00	100.00
7.131	7.131 (1.004)		154	44667			60.47- 120.47	90.73
16 Fluorene						CAS #: 86-73-7		
7.641	7.641 (1.076)		166	56261	1.00000	0.99	80.00- 120.00	100.00
7.641	7.641 (1.076)		165	53526			64.52- 124.52	95.14
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555 (1.000)		188	60145	0.80000		80.00- 120.00	100.00
8.549	8.549 (1.000)		94	4004			0.00- 36.97	6.66
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575 (1.002)		178	81556	1.00000	1.00	80.00- 120.00	100.00
8.575	8.575 (1.002)		179	12247			0.00- 45.15	15.02
19 Anthracene						CAS #: 120-12-7		
8.627	8.626 (1.008)		178	62268	1.00000	1.0	80.00- 120.00	100.00
8.627	8.626 (1.008)		179	9054			0.00- 45.16	14.54
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748 (1.139)		202	94926	1.00000	1.00	80.00- 120.00	100.00
9.742	9.741 (1.139)		101	7477			0.00- 38.08	7.88
22 Pyrene						CAS #: 129-00-0		
9.967	9.967 (0.894)		202	97635	1.00000	0.95	80.00- 120.00	100.00
9.967	9.967 (0.894)		200	20066			0.00- 50.73	20.55
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.118	10.124 (0.908)		244	62865	1.00000	0.97	80.00- 120.00	100.00
10.118	10.118 (0.908)		122	5335			0.00- 38.43	8.49
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140 (0.999)		228	82824	1.00000	0.97	80.00- 120.00	100.00
11.134	11.140 (0.999)		229	16023			0.00- 50.51	19.35
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146 (1.000)		240	69308	0.80000		80.00- 120.00	100.00
11.140	11.140 (1.000)		120	5194			0.00- 37.78	7.49
27 Chrysene						CAS #: 218-01-9		
11.172	11.171 (1.002)		228	98133	1.00000	1.0	80.00- 120.00	100.00

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.172	11.171	(1.002)	226	26727			0.00- 58.50	27.24
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.124	12.124	(0.973)	252	87864	1.00000	1.0	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	18454			0.00- 51.26	21.00
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.146	12.146	(0.975)	252	107144	1.00000	0.98	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	23122			0.00- 53.27	21.58
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.406	12.402	(0.996)	252	80248	1.00000	1.0	80.00- 120.00	100.00(M)
12.406	12.406	(0.996)	253	18117			0.00- 53.07	22.58
* 33 Perylene-d12						CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	63023	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	14031			0.00- 52.55	22.26
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.457	13.454	(1.080)	276	102292	1.00000	1.0	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	19669			0.00- 49.54	19.23
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.465	13.465	(1.081)	278	80845	1.00000	1.0	80.00- 120.00	100.00
13.465	13.461	(1.081)	139	10185			0.00- 43.05	12.60
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.741	13.737	(1.103)	276	88652	1.00000	1.0	80.00- 120.00	100.00
13.737	13.733	(1.103)	138	14430			0.00- 46.66	16.28

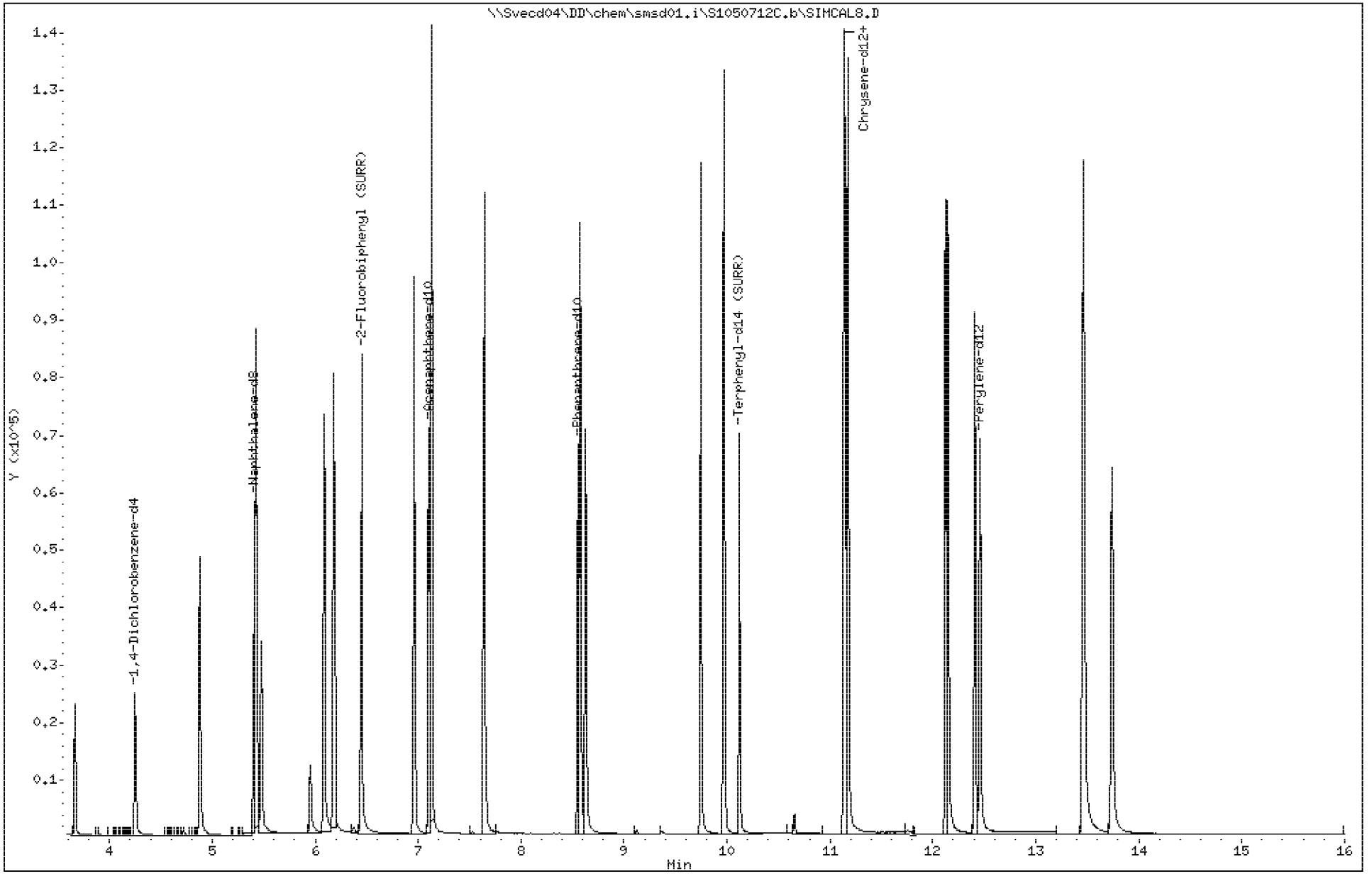
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL8.D
Date : 07-MAY-2012 10:49
Client ID: SIMCAL8
Instrument: smsd01.i
Sample Info: 45396
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

786

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL9.D
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Inj Date : 07-MAY-2012 11:13 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45395
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	15272	0.80000		80.00- 120.00	100.00
4.253	4.253	(1.000)	115	9378			32.50- 92.50	61.41
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	53371	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2140			0.00- 34.01	4.01
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	354403	5.00000	4.9	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	38681			0.00- 40.52	10.91
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	251048	5.00000	5.4	80.00- 120.00	100.00(M)
6.082	6.082	(1.125)	141	204873			56.36- 116.36	81.61
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	235314	5.00000	4.9	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	198205			49.28- 109.28	84.23
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.449	6.449	(0.908)	172	282113	5.00000	4.8	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449	(0.908)	171	96724			4.13- 64.13	34.29
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964	(0.980)	152	369804	5.00000	5.0	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	72373			0.00- 49.78	19.57
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	32307	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	30275			64.70- 124.70	93.71
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	239957	5.00000	4.9	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	221889			60.47- 120.47	92.47
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	279481	5.00000	5.0	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	265578			64.52- 124.52	95.03
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	59179	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	3992			0.00- 36.97	6.75
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	410966	5.00000	5.1	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	62807			0.00- 45.15	15.28
19 Anthracene							CAS #: 120-12-7	
8.626	8.626	(1.008)	178	315742	5.00000	5.2	80.00- 120.00	100.00
8.626	8.626	(1.008)	179	48210			0.00- 45.16	15.27
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	480587	5.00000	5.1	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	37165			0.00- 38.08	7.73
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	482093	5.00000	4.7	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	100095			0.00- 50.73	20.76
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.118	10.124	(0.908)	244	318155	5.00000	4.9	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	26976			0.00- 38.43	8.48
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.134	11.140	(0.999)	228	438747	5.00000	5.1	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	86191			0.00- 50.51	19.64
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146	(1.000)	240	69127	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5243			0.00- 37.78	7.58
27 Chrysene							CAS #: 218-01-9	
11.171	11.171	(1.002)	228	471063	5.00000	4.8	80.00- 120.00	100.00

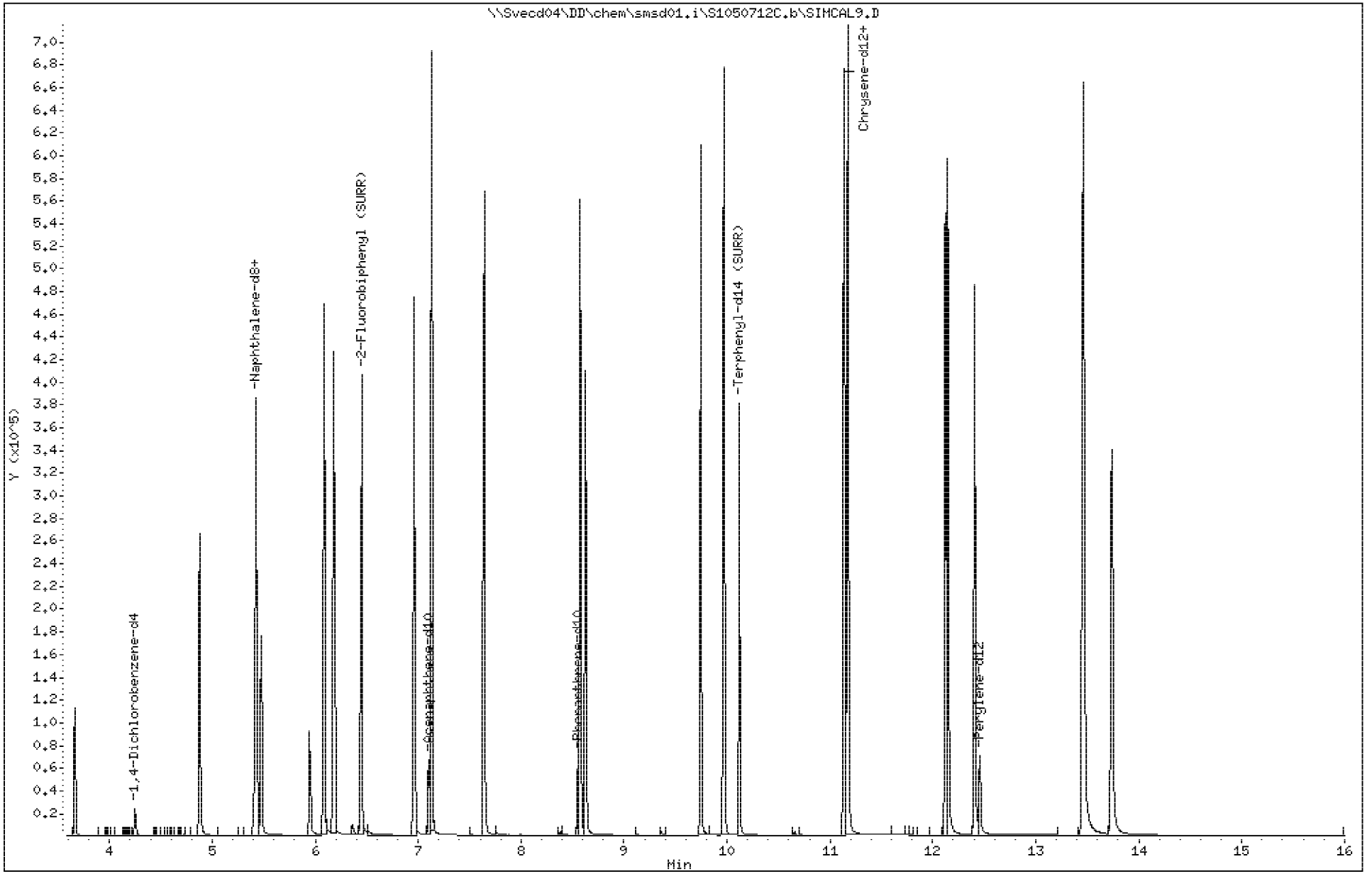
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.171	11.171	(1.002)	226	134837			0.00- 58.50	28.62
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.124	12.124	(0.973)	252	469819	5.00000	5.6	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	101077			0.00- 51.26	21.51
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.146	12.146	(0.975)	252	510576	5.00000	4.8	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	113334			0.00- 53.27	22.20
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.406	12.402	(0.996)	252	417991	5.00000	5.3	80.00- 120.00	100.00(M)
12.406	12.406	(0.996)	253	90576			0.00- 53.07	21.67
* 33 Perylene-d12						CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	62062	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	13820			0.00- 52.55	22.27
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.457	13.454	(1.080)	276	525078	5.00000	5.4	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	102440			0.00- 49.54	19.51
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.465	13.465	(1.081)	278	428536	5.00000	5.5	80.00- 120.00	100.00
13.461	13.461	(1.081)	139	53206			0.00- 43.05	12.42
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.737	13.737	(1.103)	276	451148	5.00000	5.2	80.00- 120.00	100.00
13.737	13.733	(1.103)	138	73384			0.00- 46.66	16.27

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL9.D
Date : 07-MAY-2012 11:13
Client ID: SIMCAL9
Instrument: smsd01.i
Sample Info: 45395
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

790



3505835

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Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL10.D
Lab Smp Id: 45394 Client Smp ID: SIMCAL10
Inj Date : 07-MAY-2012 11:37 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45394
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 10-APR-2012 09:54 Cal File: SIMCAL6.D
Als bottle: 10 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	14552	0.80000		80.00- 120.00	100.00
4.253	4.253	(1.000)	115	8726			32.50- 92.50	59.96
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	51242	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2029			0.00- 34.01	3.96
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	665235	10.0000	9.6	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	73912			0.00- 40.52	11.11
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	463804	10.0000	10.4	80.00- 120.00	100.00(AM)
6.082	6.082	(1.125)	141	382718			56.36- 116.36	82.52
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	437346	10.0000	9.5	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	375060			49.28- 109.28	85.76
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.450	6.449	(0.908)	172	529656	10.0000	9.5	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	181421			4.13- 64.13	34.25
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	694939	10.0000	9.9	80.00- 120.00	100.00
6.955	6.964	(0.979)	151	137603			0.00- 49.78	19.80
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	30985	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	29033			64.70- 124.70	93.70
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	455102	10.0000	9.7	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	420064			60.47- 120.47	92.30
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	536080	10.0000	10.1	80.00- 120.00	100.00(A)
7.641	7.641	(1.076)	165	507031			64.52- 124.52	94.58
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	58234	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	3843			0.00- 36.97	6.60
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	773942	10.0000	9.8	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	120902			0.00- 45.15	15.62
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	612182	10.0000	10.2	80.00- 120.00	100.00(A)
8.627	8.626	(1.008)	179	94281			0.00- 45.16	15.40
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	917116	10.0000	9.9	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	71518			0.00- 38.08	7.80
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	913675	10.0000	9.2	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	191907			0.00- 50.73	21.00
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.118	10.124	(0.908)	244	608200	10.0000	9.6	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	52059			0.00- 38.43	8.56
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	856830	10.0000	10.1	80.00- 120.00	100.00(A)
11.140	11.140	(0.999)	229	171208			0.00- 50.51	19.98
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	68173	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	5175			0.00- 37.78	7.59
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	910863	10.0000	9.5	80.00- 120.00	100.00

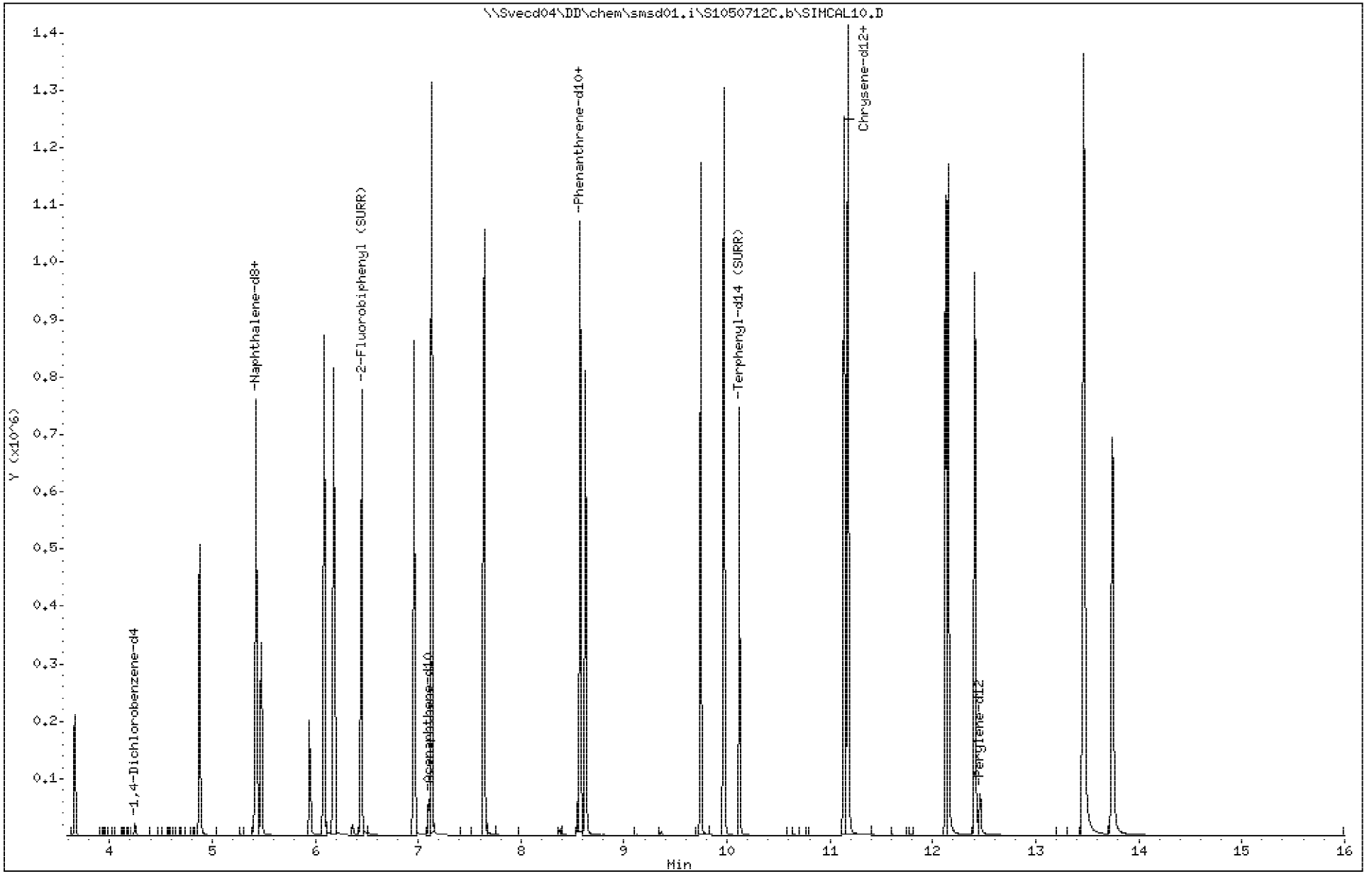
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.172	11.171	(1.002)	226	263008			0.00- 58.50	28.87
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.128	12.124	(0.973)	252	942385	10.0000	11.2	80.00- 120.00	100.00(A)
12.128	12.124	(0.973)	253	205739			0.00- 51.26	21.83
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.150	12.146	(0.975)	252	970392	10.0000	9.2	80.00- 120.00	100.00
12.150	12.146	(0.975)	253	219170			0.00- 53.27	22.59
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.410	12.402	(0.996)	252	831792	10.0000	10.5	80.00- 120.00	100.00(AM)
12.410	12.406	(0.996)	253	180602			0.00- 53.07	21.71
* 33 Perylene-d12						CAS #: 1520-96-3		
12.462	12.454	(1.000)	264	61999	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	13718			0.00- 52.55	22.13
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.461	13.454	(1.080)	276	1036701	10.0000	10.6	80.00- 120.00	100.00(A)
13.461	13.454	(1.080)	138	203023			0.00- 49.54	19.58
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.469	13.465	(1.081)	278	845621	10.0000	10.8	80.00- 120.00	100.00(A)
13.469	13.461	(1.081)	139	106072			0.00- 43.05	12.54
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.745	13.737	(1.103)	276	883463	10.0000	10.3	80.00- 120.00	100.00(A)
13.741	13.733	(1.103)	138	142281			0.00- 46.66	16.10

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMCAL10.D
Date : 07-MAY-2012 11:37
Client ID: SIMCAL10
Instrument: smsd01.i
Sample Info: 45394
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

794



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMSEC.D
Lab Smp Id: 44830 Client Smp ID: SIMSEC
Inj Date : 07-MAY-2012 12:01 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 44830
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMBCSTR.m
Meth Date : 08-May-2012 11:12 smsd01.i Quant Type: ISTD
Cal Date : 07-MAY-2012 11:37 Cal File: SIMCAL10.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS				
					CAL-AMT	ON-COL			
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE		RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	18572	0.80000		80.00- 120.00		100.00
4.253	4.253	(1.000)	115	11305			32.50- 92.50		60.87
* 5 Naphthalene-d8							CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	64817	0.80000		80.00- 120.00		100.00
5.406	5.406	(1.000)	68	2524			0.00- 34.01		3.89
6 Naphthalene							CAS #: 91-20-3		
5.429	5.429	(1.004)	128	39290	0.50000	0.45	80.00- 120.00		100.00
5.429	5.429	(1.004)	129	4251			0.00- 40.52		10.82
8 2-Methylnaphthalene							CAS #: 91-57-6		
6.082	6.093	(1.125)	142	25871	0.50000	0.46	80.00- 120.00		100.00(M)
6.082	6.082	(1.125)	141	21771			56.36- 116.36		84.15
9 1-Methylnaphthalene							CAS #: 90-12-0		
6.177	6.177	(1.143)	142	24234	0.50000	0.42	80.00- 120.00		100.00(M)
6.177	6.177	(1.143)	141	20060			49.28- 109.28		82.78
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8		
6.449	6.449	(0.908)	172	31022	0.50000	0.46	80.00- 120.00		100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449	(0.908)	171	10590			4.13- 64.13	34.14
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964	(0.980)	152	38819	0.50000	0.45	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	7817			0.00- 49.78	20.14
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	37698	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	35482			64.70- 124.70	94.12
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	25549	0.50000	0.45	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	23045			60.47- 120.47	90.20
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	30154	0.50000	0.47	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	28924			64.52- 124.52	95.92
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	70921	0.80000		80.00- 120.00	100.00
8.549	8.549	(1.000)	94	4593			0.00- 36.97	6.48
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	44216	0.50000	0.46	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	6650			0.00- 45.15	15.04
19 Anthracene							CAS #: 120-12-7	
8.626	8.626	(1.008)	178	42666	0.50000	0.58	80.00- 120.00	100.00
8.626	8.626	(1.008)	179	6402			0.00- 45.16	15.00
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	51655	0.50000	0.46	80.00- 120.00	100.00
9.741	9.741	(1.139)	101	3875			0.00- 38.08	7.50
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	56063	0.50000	0.47	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	11884			0.00- 50.73	21.20
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.118	10.124	(0.908)	244	36675	0.50000	0.48	80.00- 120.00	100.00
10.118	10.118	(0.908)	122	2999			0.00- 38.43	8.18
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.134	11.140	(0.999)	228	47737	0.50000	0.47	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	9307			0.00- 50.51	19.50
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146	(1.000)	240	81845	0.80000		80.00- 120.00	100.00
11.140	11.140	(1.000)	120	6000			0.00- 37.78	7.33
27 Chrysene							CAS #: 218-01-9	
11.172	11.171	(1.002)	228	51466	0.50000	0.45	80.00- 120.00	100.00

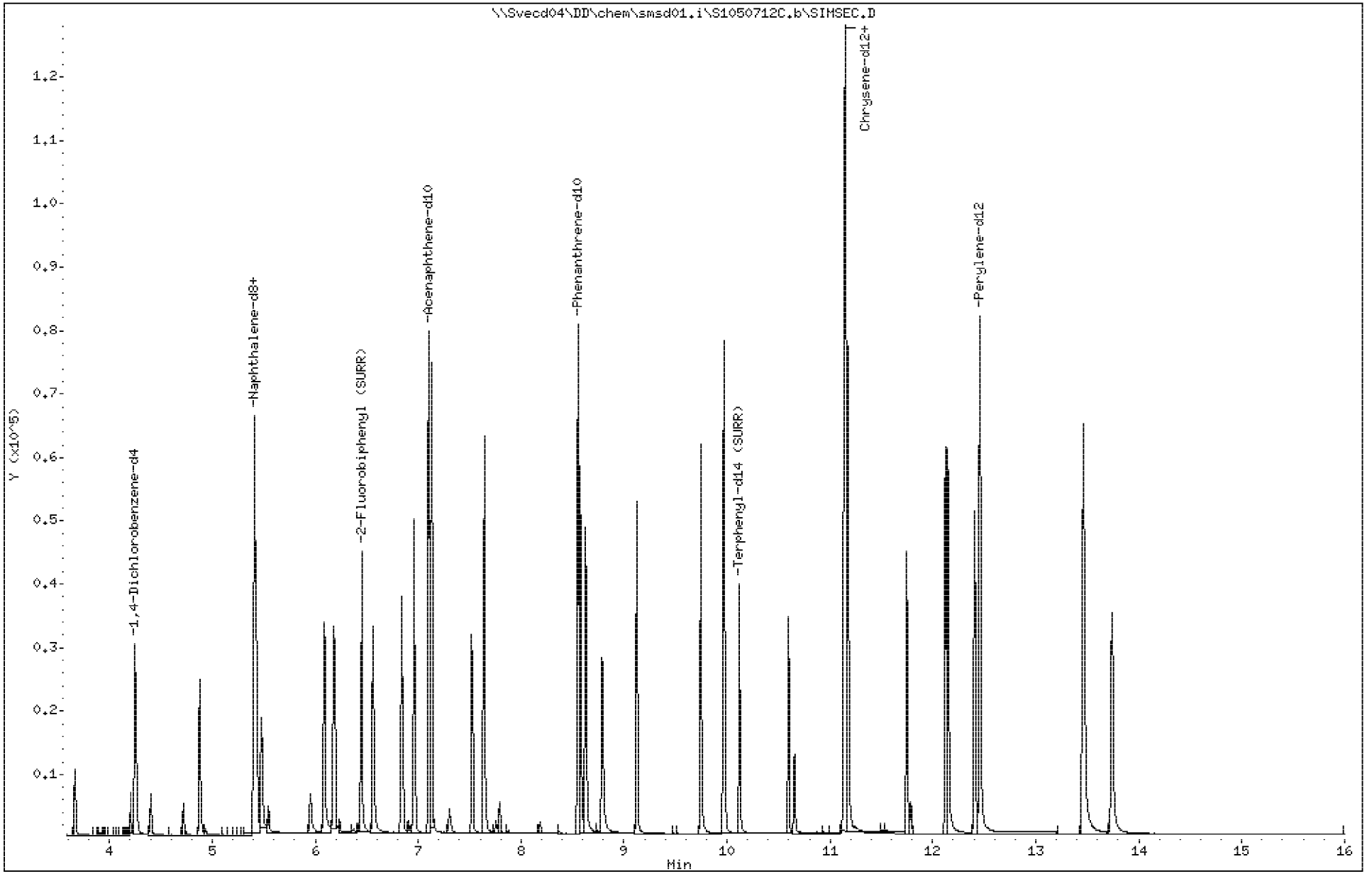
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	14890			0.00- 58.50	28.93
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	48674	0.50000	0.47	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	10304			0.00- 51.26	21.17
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	60432	0.50000	0.46	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	13650			0.00- 53.27	22.59
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	46131	0.50000	0.47	80.00- 120.00	100.00(M)
12.406	12.406	(0.996)	253	10404			0.00- 53.07	22.55
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	76313	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	16961			0.00- 52.55	22.23
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.457	13.454	(1.080)	276	56539	0.50000	0.47	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	11010			0.00- 49.54	19.47
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	44467	0.50000	0.46	80.00- 120.00	100.00
13.465	13.461	(1.081)	139	5593			0.00- 43.05	12.58
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.741	13.737	(1.103)	276	48483	0.50000	0.46	80.00- 120.00	100.00
13.737	13.733	(1.103)	138	7953			0.00- 46.66	16.40

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050712C.b\SIMSEC.D
Date : 07-MAY-2012 12:01
Client ID: SIMSEC
Instrument: smsd01.i
Sample Info: 44830
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

798



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D
Report Date: 10-May-2012 13:16

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D
Lab Smp Id: 45777 Client Smp ID: DFTPP1
Inj Date : 08-MAY-2012 07:06 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\DoDTUN.m
Meth Date : 09-May-2012 11:47 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

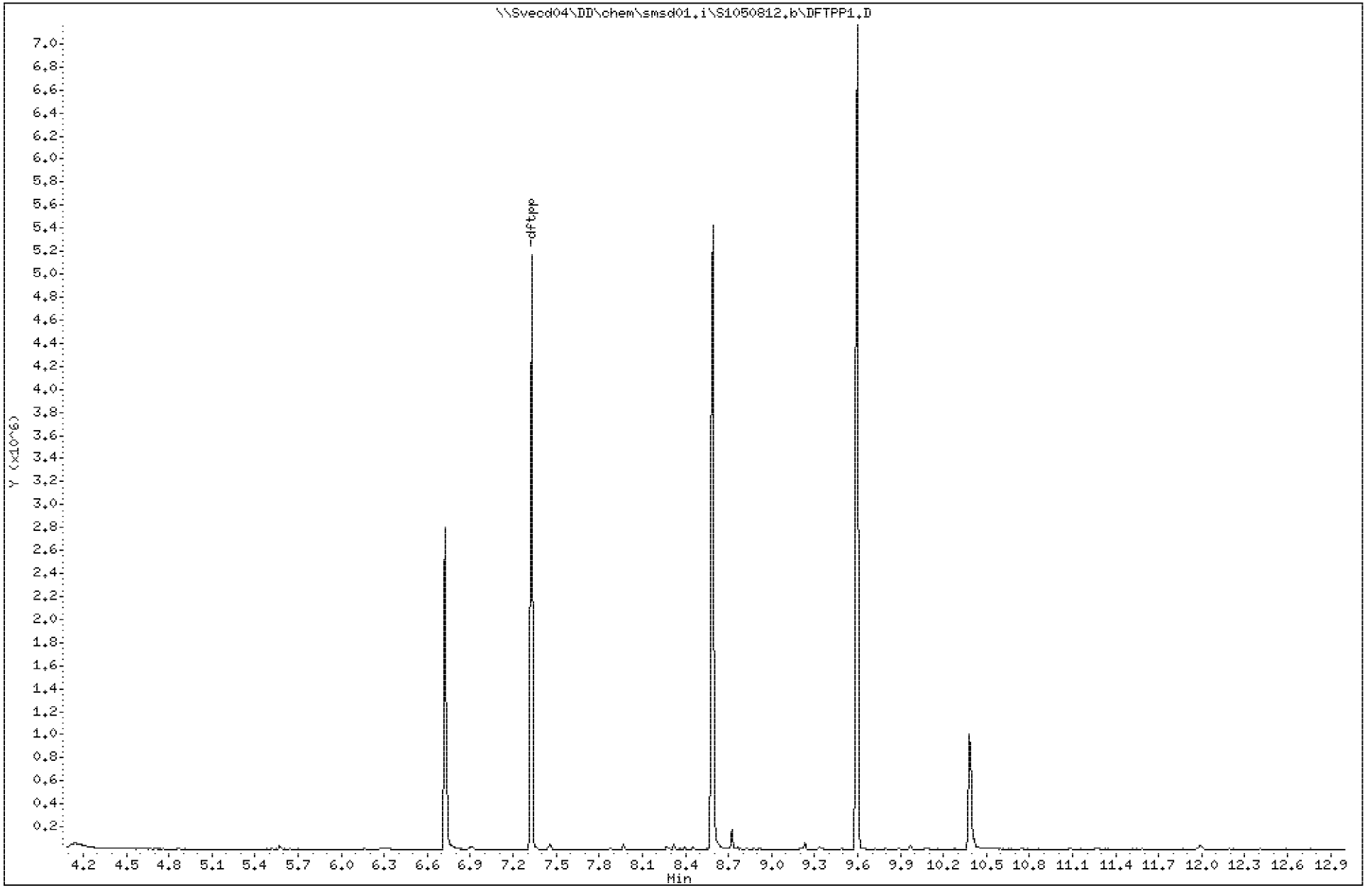
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.328	7.610 (0.000)		198	437696			0.00- 100.00	100.00
7.328	7.610 (0.000)		51	150016			10.00- 80.00	34.27
7.328	7.610 (0.000)		68	1004			0.00- 2.00	0.57
7.328	7.610 (0.000)		69	176512			0.00- 0.00	40.33
7.328	7.610 (0.000)		70	1005			0.00- 2.00	0.57
7.328	7.610 (0.000)		127	211264			10.00- 80.00	48.27
7.328	7.610 (0.000)		197	696			0.00- 2.00	0.16
7.328	7.610 (0.000)		199	29496			5.00- 9.00	6.74
7.328	7.610 (0.000)		275	131968			10.00- 60.00	30.15
7.328	7.610 (0.000)		365	16920			1.00- 0.00	3.87
7.328	7.610 (0.000)		441	52160			0.01- 24.00	15.40
7.328	7.610 (0.000)		442	338752			50.00- 0.00	77.39
7.328	7.610 (0.000)		443	64368			15.00- 24.00	19.00

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D
Date : 08-MAY-2012 07:06
Client ID: DFTPP1
Instrument: smsd01.i
Sample Info: 45777
Volume Injected (uL): 1.0
Operator:
Column phase:
Column diameter: 2.00

800



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D

Date : 08-MAY-2012 07:06

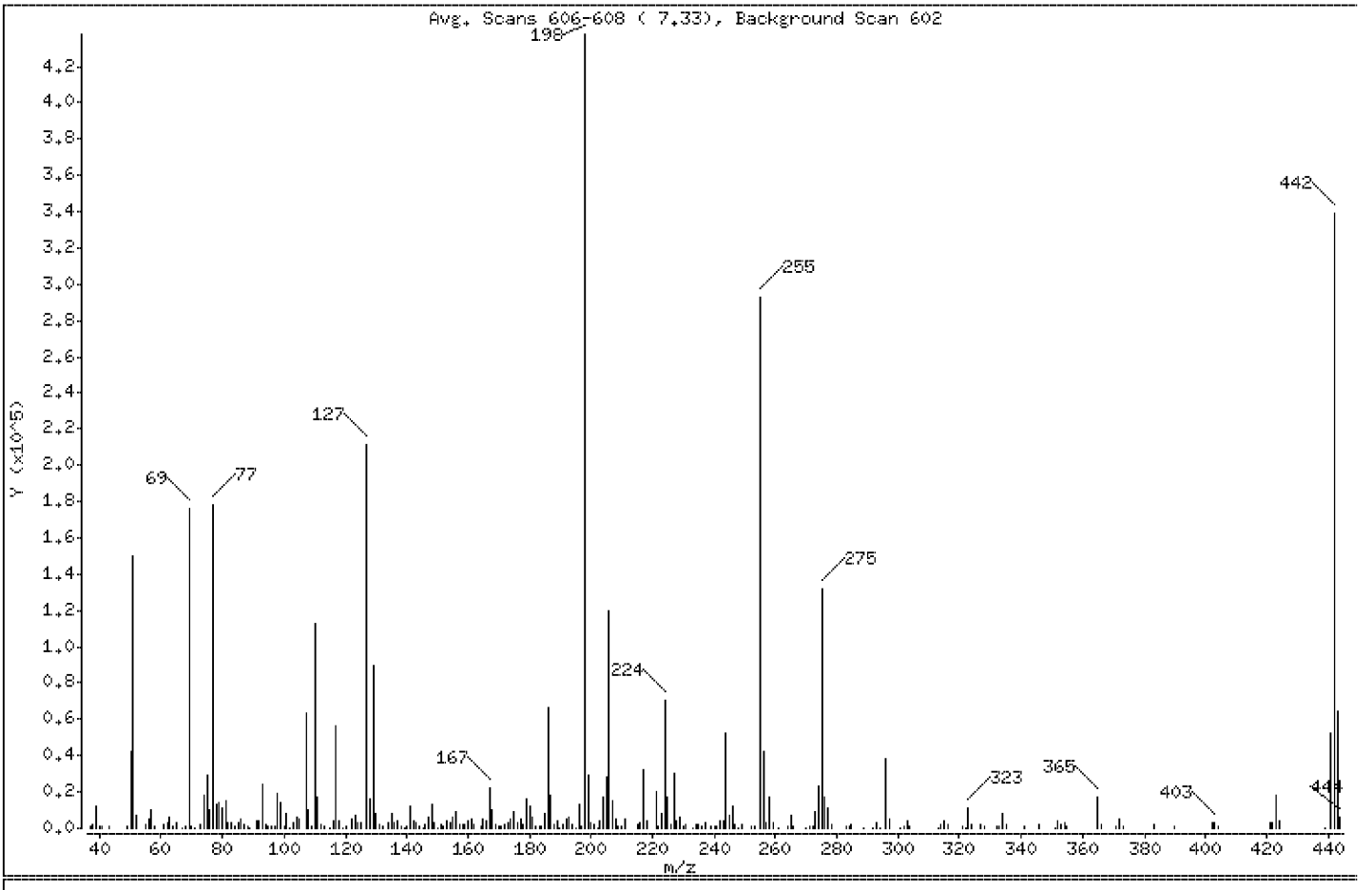
Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	34.27
68	Less than 2.00% of mass 69	0.23 (0.57)
69	Mass 69 relative abundance	40.33
70	Less than 2.00% of mass 69	0.23 (0.57)
127	10.00 - 80.00% of mass 198	48.27
197	Less than 2.00% of mass 198	0.16
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 60.00% of mass 198	30.15
365	Greater than 1.00% of mass 198	3.87
441	0.01 - 24.00% of mass 442	11.92 (15.40)
442	Greater than 50.00% of mass 198	77.39
443	15.00 - 24.00% of mass 442	14.71 (19.00)

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D

Date : 08-MAY-2012 07:06

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 606-608 (7.33), Background Scan 602
Location of Maximum: 198.00
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	586	118.00	3827	188.00	2135	270.00	228
38.00	2498	119.00	483	189.00	4273	271.00	626
39.00	11654	120.00	948	190.00	417	272.00	927
40.00	1157	122.00	4722	191.00	2117	273.00	8691
41.00	520	123.00	6606	192.00	5468	274.00	23176
43.00	902	124.00	3144	193.00	6256	275.00	131968
49.00	1473	125.00	2589	194.00	1740	276.00	17608
50.00	42720	127.00	211264	195.00	305	277.00	11567
51.00	150016	128.00	16592	196.00	13304	278.00	2045
52.00	7281	129.00	89680	197.00	696	283.00	1218
55.00	1628	130.00	7671	198.00	437696	284.00	898
56.00	5124	131.00	1637	199.00	29496	285.00	2035
57.00	10529	132.00	986	200.00	2721	289.00	268
58.00	508	134.00	2913	201.00	2343	292.00	292
61.00	2155	135.00	7774	202.00	360	293.00	2780
62.00	2696	136.00	3238	203.00	3546	294.00	301
63.00	6436	137.00	3764	204.00	16944	296.00	38264
64.00	837	138.00	831	205.00	28384	297.00	5462
65.00	3304	139.00	361	206.00	119872	301.00	271
67.00	229	140.00	1082	207.00	15243	302.00	556
68.00	1004	141.00	12416	208.00	4850	303.00	4310
69.00	176512	142.00	3966	209.00	1177	304.00	1364
70.00	1005	143.00	2762	210.00	1467	313.00	274
71.00	270	144.00	564	211.00	5252	314.00	2004
73.00	1737	145.00	496	215.00	1615	315.00	4161
74.00	17656	146.00	2073	216.00	3182	316.00	2429
75.00	29584	147.00	6418	217.00	31936	321.00	1178
76.00	9821	148.00	13480	218.00	4177	322.00	230
77.00	177920	149.00	2939	221.00	20296	323.00	11515
78.00	12599	150.00	427	222.00	1151	324.00	2364
79.00	14473	151.00	1945	223.00	7762	327.00	2339
80.00	11096	152.00	1064	224.00	70504	328.00	1179
81.00	15559	153.00	3835	225.00	17496	332.00	806
82.00	3357	154.00	2926	226.00	1911	333.00	986
83.00	3334	155.00	6146	227.00	30576	334.00	8126

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\DFTPP1.D

Date : 08-MAY-2012 07:06

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 606-608 (7.33), Background Scan 602
Location of Maximum: 198.00
Number of points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	525	156.00	9372	228.00	3861	335.00	2017
85.00	3079	157.00	2237	229.00	6220	341.00	1436
86.00	4880	158.00	2325	230.00	904	346.00	2199
87.00	2021	159.00	1678	231.00	2440	351.00	278
88.00	634	160.00	3554	233.00	235	352.00	3565
89.00	254	161.00	5202	234.00	2091	353.00	2284
91.00	4039	162.00	1579	235.00	2397	354.00	3502
92.00	4232	164.00	530	236.00	1337	355.00	804
93.00	24440	165.00	4902	237.00	2557	365.00	16920
94.00	1583	166.00	3943	239.00	1411	366.00	2458
95.00	1009	167.00	22136	240.00	918	371.00	971
96.00	1098	168.00	10324	241.00	1496	372.00	5464
97.00	587	169.00	1817	242.00	3550	373.00	1355
98.00	19056	170.00	952	243.00	4329	383.00	1568
99.00	14103	171.00	1213	244.00	52552	390.00	553
100.00	1202	172.00	2129	245.00	7079	402.00	2583
101.00	7941	173.00	2739	246.00	12069	403.00	3085
102.00	253	174.00	5184	247.00	2305	404.00	868
103.00	2732	175.00	8903	248.00	230	421.00	2576
104.00	5728	176.00	2794	249.00	1767	422.00	2617
105.00	5378	177.00	4558	252.00	765	423.00	18504
107.00	63696	178.00	1766	253.00	1088	424.00	4182
108.00	9860	179.00	16312	255.00	292544	439.00	260
109.00	579	180.00	12306	256.00	42016	441.00	52160
110.00	112912	181.00	5745	257.00	3048	442.00	338752
111.00	17216	182.00	737	258.00	17248	443.00	64368
112.00	2153	183.00	530	259.00	2651	444.00	5980
113.00	580	184.00	1277	261.00	277		
115.00	230	185.00	7991	264.00	545		
116.00	3922	186.00	66312	265.00	6943		
117.00	56168	187.00	18360	266.00	1299		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/08/2012 07:20

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050812.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/09/2012 11:50

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050812.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:16

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050812.b/DFTPP1.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMCCV1.D
Lab Smp Id: 46068 Client Smp ID: SIMCCV1
Inj Date : 08-MAY-2012 07:26 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 46068
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.253	4.253	(1.000)	152	15297	0.80000		80.00- 120.00	100.00
4.253	4.253	(1.000)	115	9305			32.50- 92.50	60.83
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.406	5.406	(1.000)	136	53257	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2036			0.00- 34.01	3.82
6 Naphthalene							CAS #: 91-20-3	
5.429	5.429	(1.004)	128	38776	0.50000	0.54	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	4123			0.00- 40.52	10.63
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.082	6.093	(1.125)	142	24298	0.50000	0.53	80.00- 120.00	100.00
6.082	6.093	(1.125)	141	21055			56.36- 116.36	86.65
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.177	6.177	(1.143)	142	24366	0.50000	0.51	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	19868			49.28- 109.28	81.54
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.449	6.449	(0.908)	172	30362	0.50000	0.55	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449 (0.908)		171	10482			4.13- 64.13	34.52
12 Acenaphthylene							CAS #: 208-96-8	
6.964	6.964 (0.980)		152	37451	0.50000	0.54	80.00- 120.00	100.00
6.955	6.964 (0.979)		151	7404			0.00- 49.78	19.77
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105 (1.000)		164	30518	0.80000		80.00- 120.00	100.00
7.105	7.105 (1.000)		162	29726			64.70- 124.70	97.40
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131 (1.004)		153	24755	0.50000	0.54	80.00- 120.00	100.00
7.131	7.131 (1.004)		154	22512			60.47- 120.47	90.94
16 Fluorene							CAS #: 86-73-7	
7.641	7.641 (1.076)		166	29144	0.50000	0.56	80.00- 120.00	100.00
7.641	7.641 (1.076)		165	27845			64.52- 124.52	95.54
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555 (1.000)		188	55770	0.80000		80.00- 120.00	100.00
8.549	8.555 (1.000)		94	3689			0.00- 36.97	6.61
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575 (1.002)		178	42056	0.50000	0.55	80.00- 120.00	100.00
8.575	8.575 (1.002)		179	6305			0.00- 45.15	14.99
19 Anthracene							CAS #: 120-12-7	
8.626	8.626 (1.008)		178	32514	0.50000	0.56	80.00- 120.00	100.00
8.626	8.626 (1.008)		179	4923			0.00- 45.16	15.14
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748 (1.139)		202	48534	0.50000	0.55	80.00- 120.00	100.00
9.741	9.748 (1.139)		101	3799			0.00- 38.08	7.83
22 Pyrene							CAS #: 129-00-0	
9.967	9.967 (0.894)		202	49790	0.50000	0.52	80.00- 120.00	100.00
9.967	9.967 (0.894)		200	10311			0.00- 50.73	20.71
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.118	10.124 (0.908)		244	32894	0.50000	0.54	80.00- 120.00	100.00
10.118	10.124 (0.908)		122	2684			0.00- 38.43	8.16
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.134	11.140 (0.999)		228	42044	0.50000	0.52	80.00- 120.00	100.00
11.134	11.140 (0.999)		229	8163			0.00- 50.51	19.42
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.146	11.146 (1.000)		240	65045	0.80000		80.00- 120.00	100.00
11.140	11.146 (1.000)		120	4856			0.00- 37.78	7.47
27 Chrysene							CAS #: 218-01-9	
11.171	11.171 (1.002)		228	49666	0.50000	0.54	80.00- 120.00	100.00

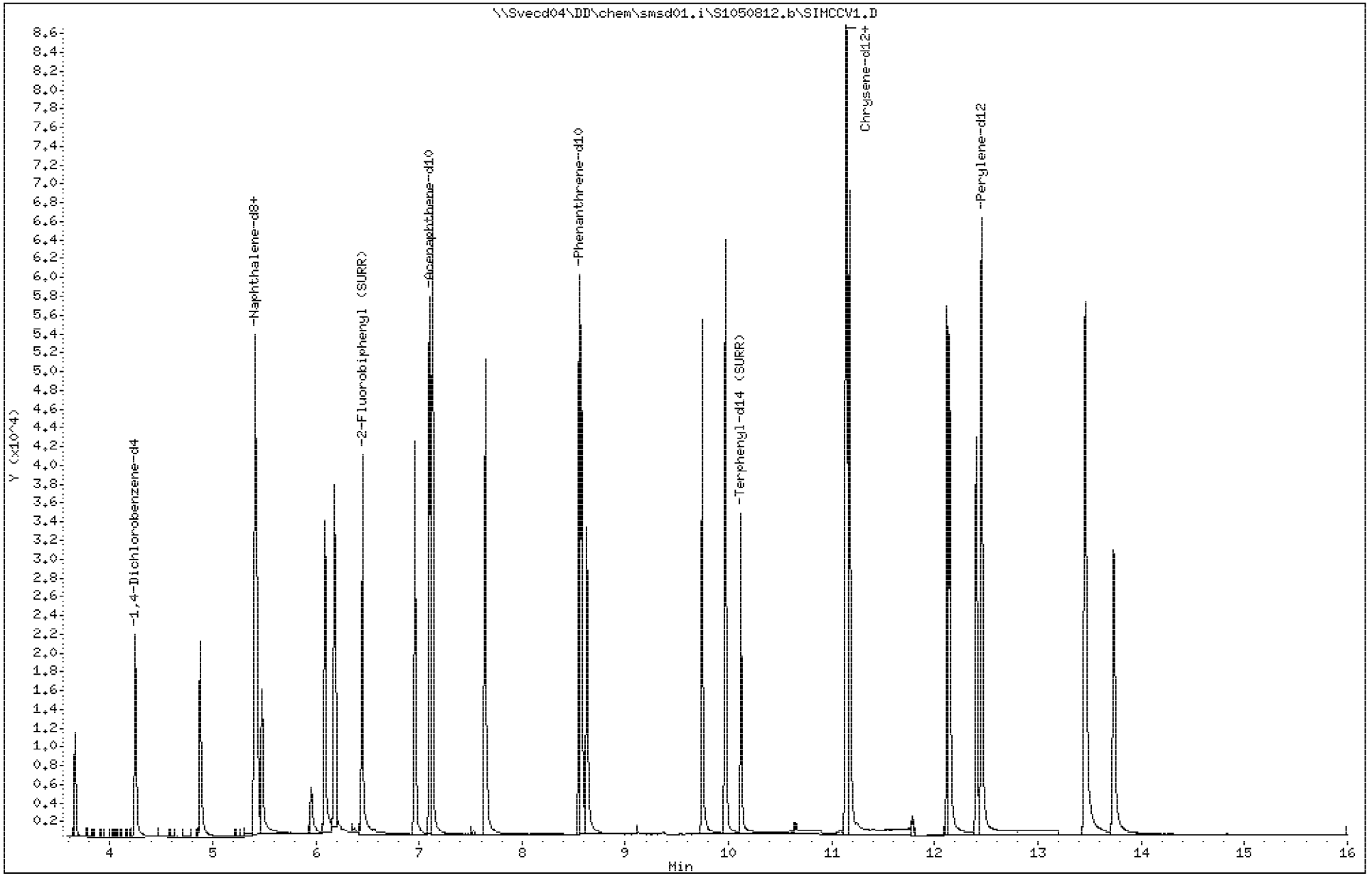
				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.171	11.171	(1.002)	226	14265			0.00- 58.50	28.72
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.120	12.124	(0.973)	252	43589	0.50000	0.51	80.00- 120.00	100.00
12.120	12.124	(0.973)	253	9224			0.00- 51.26	21.16
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.142	12.146	(0.975)	252	58608	0.50000	0.55	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	12583			0.00- 53.27	21.47
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.402	12.402	(0.996)	252	40899	0.50000	0.51	80.00- 120.00	100.00(M)
12.406	12.402	(0.996)	253	8992			0.00- 53.07	21.99
* 33 Perylene-d12						CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	62257	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	13603			0.00- 52.55	21.85
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.454	13.454	(1.080)	276	52007	0.50000	0.53	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	10209			0.00- 49.54	19.63
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.461	13.465	(1.081)	278	41569	0.50000	0.53	80.00- 120.00	100.00
13.461	13.465	(1.081)	139	5273			0.00- 43.05	12.68
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.733	13.737	(1.103)	276	44663	0.50000	0.52	80.00- 120.00	100.00
13.733	13.737	(1.103)	138	7525			0.00- 46.66	16.85

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMCCV1.D
Date : 08-MAY-2012 07:26
Client ID: SIMCCV1
Instrument: smsd01.i
Sample Info: 46068
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

808



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83504.D
Lab Smp Id: 350583504 Client Smp ID: EPAFMC-SD-04
Inj Date : 08-MAY-2012 11:33 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583504
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.060	Weight of sample extracted (g)
M	38.000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.249	4.253	(1.000)	152	17824	0.80000		80.00- 120.00	100.00
4.249	4.253	(1.000)	115	10709			32.50- 92.50	60.08
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	63245	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	2999			0.00- 34.01	4.74
6 Naphthalene						CAS #: 91-20-3		
5.422	5.429	(1.003)	128	160658	1.88249	121	80.00- 120.00	100.00
5.422	5.429	(1.003)	129	17139			0.00- 40.52	10.67
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	38296	0.69844	45.0	80.00- 120.00	100.00
6.082	6.093	(1.125)	141	32267			56.36- 116.36	84.26
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	20085	0.35380	22.8	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	17170			49.28- 109.28	85.48
$ 10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.449	6.449	(0.909)	172	17588	0.24892	16.0	80.00- 120.00	100.00(R)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.449	6.449	(0.909)	171	6129			4.13- 64.13	34.85
12 Acenaphthylene						CAS #: 208-96-8		
6.955	6.964	(0.980)	152	74074	0.83347	53.6	80.00- 120.00	100.00
6.955	6.964	(0.980)	151	14813			0.00- 49.78	20.00
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.096	7.105	(1.000)	164	39121	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	37745			64.70- 124.70	96.48
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.005)	153	31048	0.52680	33.9	80.00- 120.00	100.00
7.131	7.131	(1.005)	154	27954			60.47- 120.47	90.03
16 Fluorene						CAS #: 86-73-7		
7.632	7.641	(1.076)	166	42400	0.63146	40.6	80.00- 120.00	100.00
7.632	7.641	(1.076)	165	42757			64.52- 124.52	100.84
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	71458	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	4777			0.00- 36.97	6.69
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	387512	3.98257	256	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	59601			0.00- 45.15	15.38
19 Anthracene						CAS #: 120-12-7		
8.626	8.626	(1.008)	178	171479	2.32677	150	80.00- 120.00	100.00
8.626	8.626	(1.008)	179	31888			0.00- 45.16	18.60
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	1192676	10.5248	677	80.00- 120.00	100.00(A)
9.741	9.748	(1.139)	101	94572			0.00- 38.08	7.93
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	923513	7.82977	504	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	194452			0.00- 50.73	21.06
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.118	10.124	(0.908)	244	19247	0.25551	16.4	80.00- 120.00	100.00
10.118	10.124	(0.908)	122	1995			0.00- 38.43	10.37
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	690513	6.87878	443	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	192235			0.00- 50.51	27.84
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	81038	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	5972			0.00- 37.78	7.37
27 Chrysene						CAS #: 218-01-9		
11.171	11.171	(1.002)	228	792626	6.98293	449	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.171	11.171	(1.002)	226	241677			0.00- 58.50	30.49
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.124	12.124	(0.973)	252	985133	8.71929	561	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	218776			0.00- 51.26	22.21
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.142	12.146	(0.975)	252	357667	2.52966	163	80.00- 120.00	100.00(M)
12.142	12.146	(0.975)	253	86577			0.00- 53.27	24.21
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.402	12.402	(0.996)	252	623341	5.87818	378	80.00- 120.00	100.00
12.402	12.402	(0.996)	253	150053			0.00- 53.07	24.07
* 33 Perylene-d12						CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	82925	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	17811			0.00- 52.55	21.48
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.454	13.454	(1.080)	276	402627	3.07423	198	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	67394			0.00- 49.54	16.74
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.457	13.465	(1.081)	278	131550	1.26173	81.2	80.00- 120.00	100.00
13.457	13.465	(1.081)	139	14866			0.00- 43.05	11.30
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.737	13.737	(1.103)	276	389721	3.38591	218	80.00- 120.00	100.00
13.737	13.737	(1.103)	138	63143			0.00- 46.66	16.20

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83504.D

Date : 08-MAY-2012 11:33

Client ID: EPAFMC-SD-04

Instrument: smsd01.i

Sample Info: SIM350583504

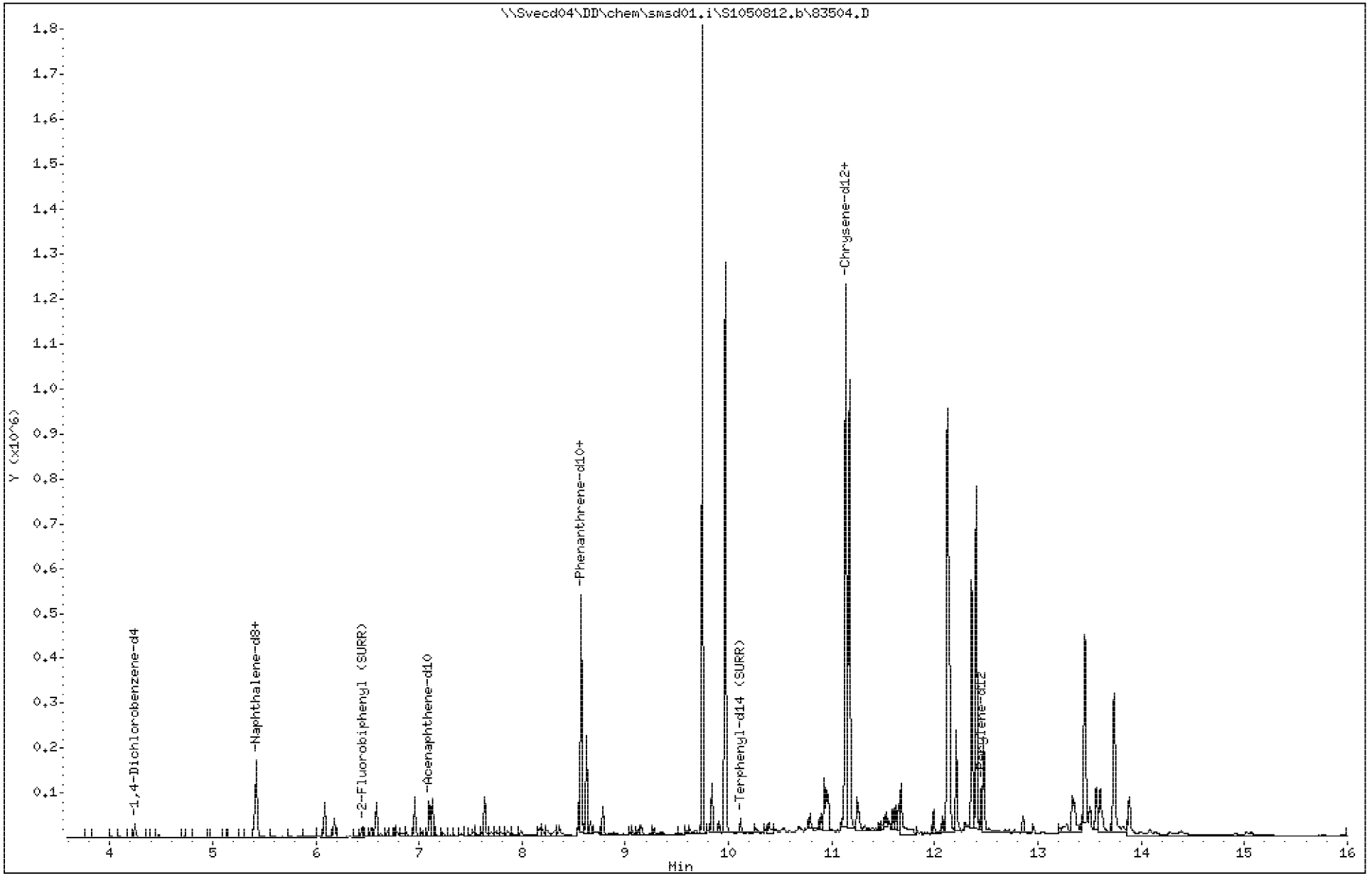
Operator:

Column phase: HPMS-5

Column diameter: 0.25

812

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83506D200.D
Lab Smp Id: 350583506 Client Smp ID: EPAFMC-SD-06
Inj Date : 08-MAY-2012 12:45 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583506
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 12
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	5.190	Weight of sample extracted (g)
M	33.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	9095	0.80000		80.00- 120.00	100.00(M)
4.249	4.253	(0.999)	115	5406			32.50- 92.50	59.44
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.414	5.406	(1.000)	136	31872	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	1390			0.00- 34.01	4.36
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.003)	128	6339703	147.406	8520000	80.00- 120.00	100.00(A)
5.429	5.429	(1.003)	129	764688			0.00- 40.52	12.06
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.123)	142	1240933	44.9097	2590000	80.00- 120.00	100.00(A)
6.082	6.093	(1.123)	141	1044100			56.36- 116.36	84.14
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.141)	142	511702	17.8862	1030000	80.00- 120.00	100.00(A)
6.177	6.177	(1.141)	141	446702			49.28- 109.28	87.30
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	565612	10.5847	612000	80.00- 120.00	100.00(AM)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	12 Acenaphthylene (continued)							
6.964	6.964	(0.980)	151	123036			0.00- 49.78	21.75
*	13 Acenaphthene-d10					CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	23522	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	18722			64.70- 124.70	79.59
	14 Acenaphthene					CAS #: 83-32-9		
7.131	7.131	(1.004)	153	1380355	38.9531	2250000	80.00- 120.00	100.00(A)
7.140	7.131	(1.005)	154	1253545			60.47- 120.47	90.81
	16 Fluorene					CAS #: 86-73-7		
7.641	7.641	(1.076)	166	1916186	47.4627	2740000	80.00- 120.00	100.00(A)
7.641	7.641	(1.076)	165	1818507			64.52- 124.52	94.90
*	17 Phenanthrene-d10					CAS #: 1517-22-2		
8.562	8.555	(1.000)	188	36690	0.80000		80.00- 120.00	100.00(M)
8.555	8.555	(0.999)	94	2322			0.00- 36.97	6.33
	18 Phenanthrene					CAS #: 85-01-8		
8.588	8.575	(1.003)	178	7217685	144.471	8350000	80.00- 120.00	100.00(AM)
8.588	8.575	(1.003)	179	1191494			0.00- 45.15	16.51
	19 Anthracene					CAS #: 120-12-7		
8.633	8.626	(1.008)	178	3382885	89.3991	5160000	80.00- 120.00	100.00(AM)
8.639	8.626	(1.009)	179	544559			0.00- 45.16	16.10
	21 Fluoranthene					CAS #: 206-44-0		
9.760	9.748	(1.140)	202	5092176	87.5178	5060000	80.00- 120.00	100.00(AMH)
9.754	9.748	(1.139)	101	460361			0.00- 38.08	9.04
	22 Pyrene					CAS #: 129-00-0		
9.980	9.967	(0.894)	202	3289177	51.0888	2950000	80.00- 120.00	100.00(A)
9.980	9.967	(0.894)	200	705210			0.00- 50.73	21.44
	25 Benzo[a]anthracene					CAS #: 56-55-3		
11.146	11.140	(0.999)	228	2423272	44.2256	2560000	80.00- 120.00	100.00(A)
11.146	11.140	(0.999)	229	664705			0.00- 50.51	27.43
*	26 Chrysene-d12					CAS #: 1719-03-5		
11.159	11.146	(1.000)	240	44234	0.80000		80.00- 120.00	100.00
11.153	11.146	(1.000)	120	4775			0.00- 37.78	10.79
	27 Chrysene					CAS #: 218-01-9		
11.184	11.171	(1.002)	228	2385996	38.5098	2220000	80.00- 120.00	100.00(A)
11.184	11.171	(1.002)	226	717361			0.00- 58.50	30.07
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.142	12.124	(0.974)	252	1991469	32.0581	1850000	80.00- 120.00	100.00(A)
12.142	12.124	(0.974)	253	442856			0.00- 51.26	22.24
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.157	12.146	(0.975)	252	813389	10.4631	604000	80.00- 120.00	100.00(AM)

					CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
31 Benzo[k]fluoranthene (continued)								
12.157	12.146	(0.975)	253	204372			0.00- 53.27	25.13
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.421	12.402	(0.996)	252	1355297	23.2450	1340000	80.00- 120.00	100.00(A)
12.421	12.402	(0.996)	253	340612			0.00- 53.07	25.13
* 33 Perylene-d12						CAS #: 1520-96-3		
12.469	12.454	(1.000)	264	45594	0.80000		80.00- 120.00	100.00
12.469	12.454	(1.000)	260	10214			0.00- 52.55	22.40
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.480	13.454	(1.081)	276	655902	9.10857	526000	80.00- 120.00	100.00
13.476	13.454	(1.081)	138	122707			0.00- 49.54	18.71
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.480	13.465	(1.081)	278	255235	4.45240	257000	80.00- 120.00	100.00(M)
13.480	13.465	(1.081)	139	30233			0.00- 43.05	11.85
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.763	13.737	(1.104)	276	568434	8.98214	519000	80.00- 120.00	100.00
13.763	13.737	(1.104)	138	106432			0.00- 46.66	18.72

QC Flag Legend

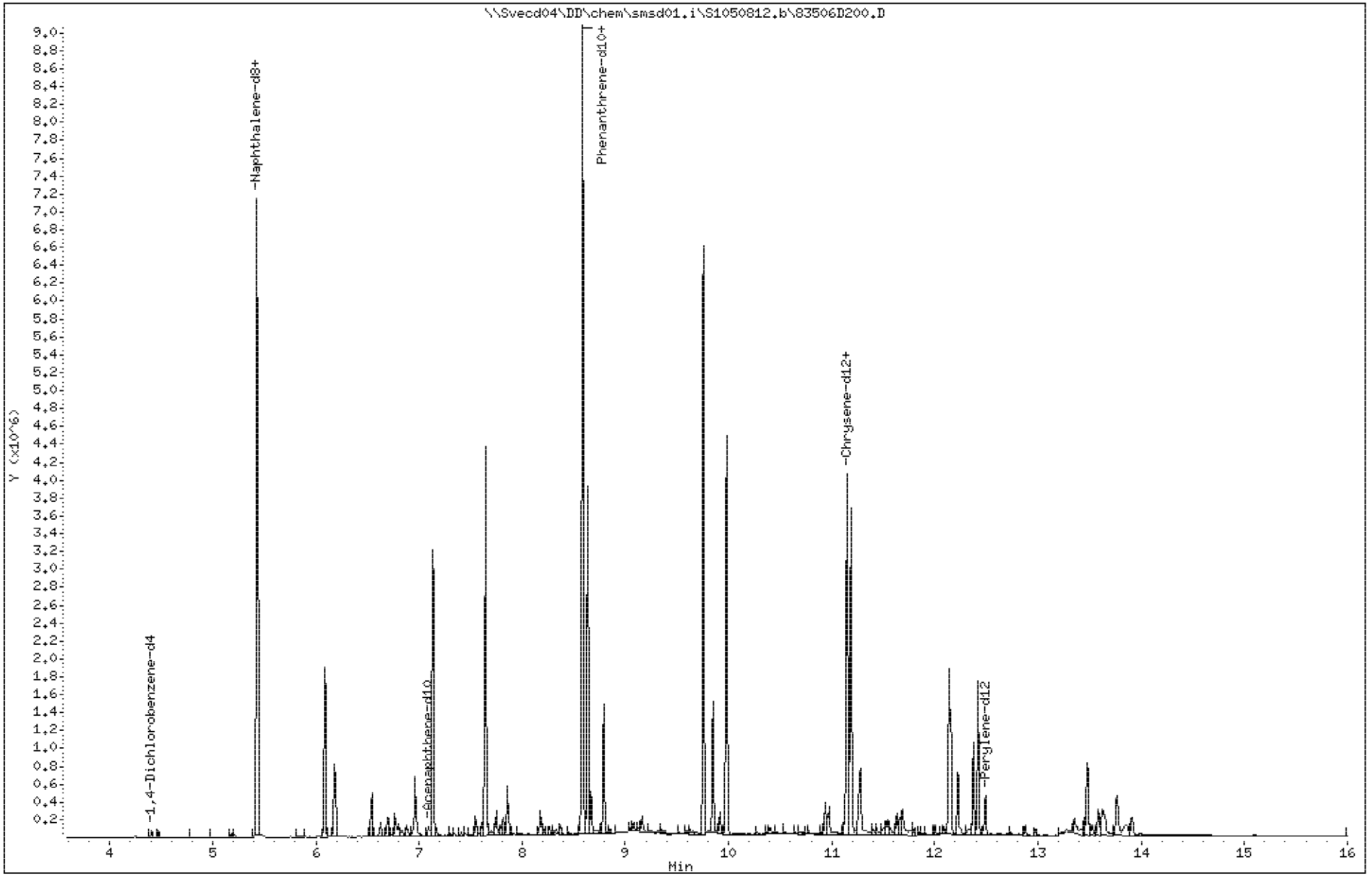
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83506D200.D
Date : 08-MAY-2012 12:45
Client ID: EPAFMC-SD-06
Sample Info: SIM350583506

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

816

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83505D200.D
Lab Smp Id: 350583505 Client Smp ID: EPAFMC-SD-05
Inj Date : 08-MAY-2012 13:09 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583505
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 13
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	5.670	Weight of sample extracted (g)
M	21.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.253	4.253 (1.000)		152	9120	0.80000		80.00- 120.00	100.00
	4.249	4.253 (1.000)		115	5476			32.50- 92.50	60.04
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.414	5.406 (1.000)		136	32958	0.80000		80.00- 120.00	100.00
	5.406	5.406 (1.000)		68	1423			0.00- 34.01	4.32
	6 Naphthalene						CAS #: 91-20-3		
	5.429	5.429 (1.003)		128	6667068	149.910	6760000	80.00- 120.00	100.00(A)
	5.429	5.429 (1.003)		129	805980			0.00- 40.52	12.09
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.082	6.093 (1.123)		142	1251834	43.8114	1980000	80.00- 120.00	100.00(A)
	6.082	6.093 (1.123)		141	1048374			56.36- 116.36	83.75
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.177	6.177 (1.141)		142	506480	17.1203	772000	80.00- 120.00	100.00(AH)
	6.177	6.177 (1.141)		141	441275			49.28- 109.28	87.13
	12 Acenaphthylene						CAS #: 208-96-8		
	6.964	6.964 (0.980)		152	425031	7.80687	352000	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	12 Acenaphthylene (continued)							
6.964	6.964 (0.980)		151	85695			0.00- 49.78	20.16
*	13 Acenaphthene-d10					CAS #: 15067-26-2		
7.105	7.105 (1.000)		164	23965	0.80000		80.00- 120.00	100.00
7.105	7.105 (1.000)		162	19365			64.70- 124.70	80.81
	14 Acenaphthene					CAS #: 83-32-9		
7.131	7.131 (1.004)		153	1317615	36.4953	1650000	80.00- 120.00	100.00(A)
7.131	7.131 (1.004)		154	1202884			60.47- 120.47	91.29
	16 Fluorene					CAS #: 86-73-7		
7.641	7.641 (1.076)		166	1869309	45.4457	2050000	80.00- 120.00	100.00(A)
7.641	7.641 (1.076)		165	1760407			64.52- 124.52	94.17
*	17 Phenanthrene-d10					CAS #: 1517-22-2		
8.562	8.555 (1.000)		188	36964	0.80000		80.00- 120.00	100.00
8.555	8.555 (1.000)		94	2551			0.00- 36.97	6.90
	18 Phenanthrene					CAS #: 85-01-8		
8.588	8.575 (1.003)		178	6941003	137.903	6220000	80.00- 120.00	100.00(A)
8.588	8.575 (1.003)		179	1152515			0.00- 45.15	16.60
	19 Anthracene					CAS #: 120-12-7		
8.633	8.626 (1.008)		178	3681146	96.5600	4360000	80.00- 120.00	100.00(A)
8.633	8.626 (1.008)		179	617586			0.00- 45.16	16.78
	21 Fluoranthene					CAS #: 206-44-0		
9.754	9.748 (1.139)		202	4751363	81.0550	3660000	80.00- 120.00	100.00(A)
9.754	9.748 (1.139)		101	431988			0.00- 38.08	9.09
	22 Pyrene					CAS #: 129-00-0		
9.974	9.967 (0.894)		202	3059835	47.4911	2140000	80.00- 120.00	100.00(A)
9.974	9.967 (0.894)		200	660577			0.00- 50.73	21.59
	25 Benzo[a]anthracene					CAS #: 56-55-3		
11.146	11.140 (0.999)		228	2191208	39.9606	1800000	80.00- 120.00	100.00(A)
11.146	11.140 (0.999)		229	403676			0.00- 50.51	18.42
*	26 Chrysene-d12					CAS #: 1719-03-5		
11.159	11.146 (1.000)		240	44267	0.80000		80.00- 120.00	100.00
11.153	11.146 (1.000)		120	4683			0.00- 37.78	10.58
	27 Chrysene					CAS #: 218-01-9		
11.184	11.171 (1.002)		228	2372257	38.2596	1720000	80.00- 120.00	100.00(A)
11.184	11.171 (1.002)		226	731059			0.00- 58.50	30.82
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.135	12.124 (0.974)		252	1837908	30.2489	1360000	80.00- 120.00	100.00(A)
12.139	12.124 (0.974)		253	407619			0.00- 51.26	22.18
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.154	12.146 (0.975)		252	796248	10.4720	472000	80.00- 120.00	100.00(AM)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
31 Benzo[k]fluoranthene (continued)								
12.154	12.146	(0.975)	253	191192			0.00- 53.27	24.01
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.417	12.402	(0.996)	252	1260140	22.0971	997000	80.00- 120.00	100.00(A)
12.417	12.402	(0.996)	253	318255			0.00- 53.07	25.26
* 33 Perylene-d12						CAS #: 1520-96-3		
12.465	12.454	(1.000)	264	44595	0.80000		80.00- 120.00	100.00
12.465	12.454	(1.000)	260	10108			0.00- 52.55	22.67
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.472	13.454	(1.081)	276	595008	8.44803	381000	80.00- 120.00	100.00
13.469	13.454	(1.080)	138	108799			0.00- 49.54	18.29
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.472	13.465	(1.081)	278	230961	4.11921	186000	80.00- 120.00	100.00(M)
13.472	13.465	(1.081)	139	27559			0.00- 43.05	11.93
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.760	13.737	(1.104)	276	501995	8.10999	366000	80.00- 120.00	100.00
13.756	13.737	(1.104)	138	88735			0.00- 46.66	17.68

QC Flag Legend

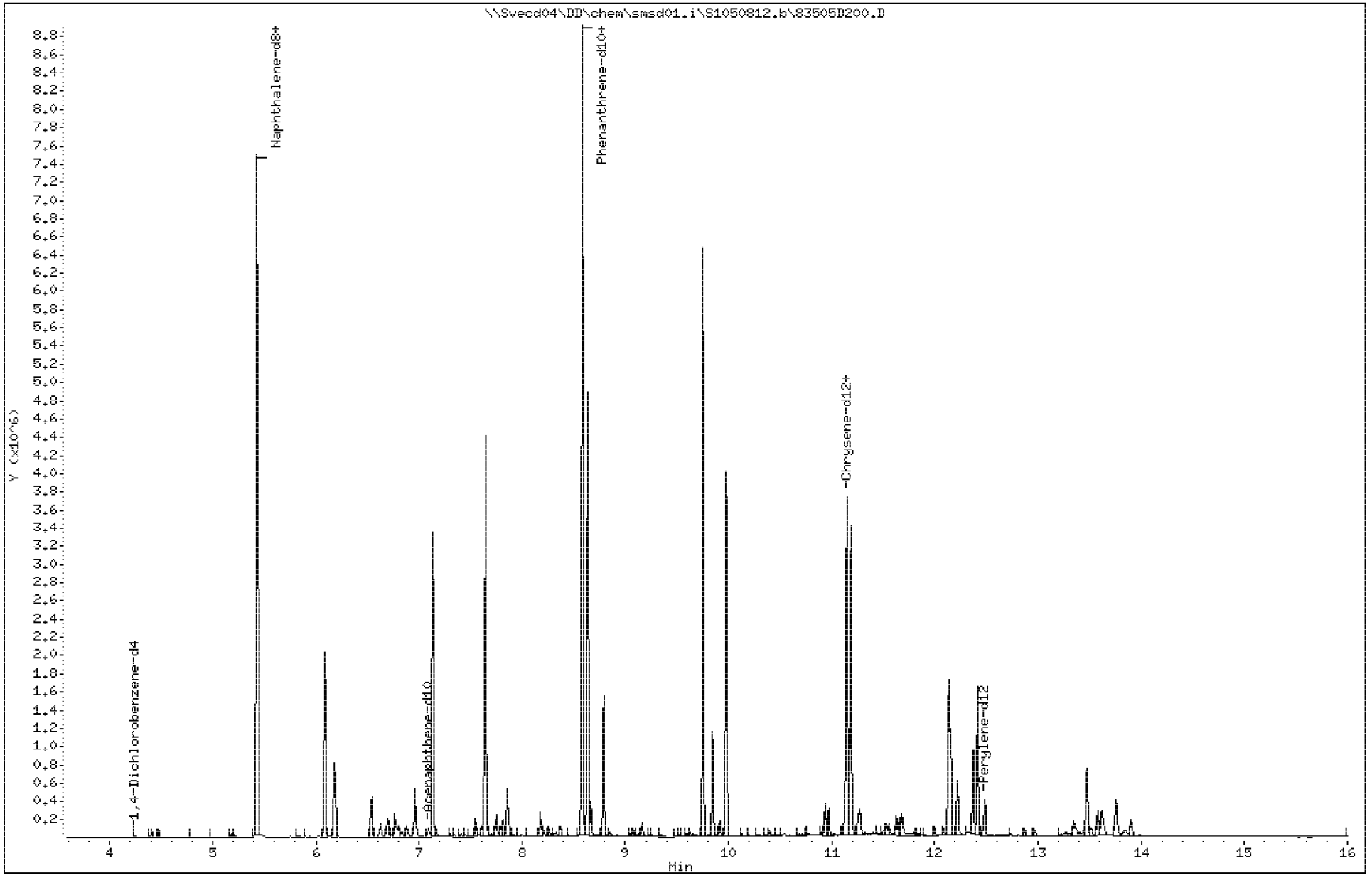
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83505D200.D
Date : 08-MAY-2012 13:09
Client ID: EPAFMC-SD-05
Sample Info: SIM350583505

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

820

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83501D200.D
Lab Smp Id: 350583501 Client Smp ID: EPAFMC-SD-01
Inj Date : 08-MAY-2012 13:33 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583501
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 14
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	25.240	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	8655	0.80000		80.00- 120.00	100.00
4.249	4.253	(1.000)	115	5118			32.50- 92.50	59.13
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	32443	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	1262			0.00- 34.01	3.89
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	4726	0.10795	1260	80.00- 120.00	100.00(M)
5.429	5.429	(1.004)	129	513			0.00- 40.52	10.85
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	1731	0.06154	721	80.00- 120.00	100.00(QM)
6.082	6.093	(1.125)	141	2225			56.36- 116.36	128.54
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	656	0.02253	264	80.00- 120.00	100.00(QM)
6.177	6.177	(1.143)	141	950			49.28- 109.28	144.82
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	51625	1.12687	13200	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
12 Acenaphthylene (continued)								
6.964	6.964	(0.980)	151	11940			0.00- 49.78	23.13
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	20166	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	18868			64.70- 124.70	93.56
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	23700	0.78011	9140	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	21959			60.47- 120.47	92.65
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	16525	0.47743	5600	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	14806			64.52- 124.52	89.60
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	36569	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2414			0.00- 36.97	6.60
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	86483	1.73679	20400	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	13073			0.00- 45.15	15.12
19 Anthracene						CAS #: 120-12-7		
8.626	8.626	(1.008)	178	68079	1.80507	21200	80.00- 120.00	100.00
8.626	8.626	(1.008)	179	10949			0.00- 45.16	16.08
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	132503	2.28483	26800	80.00- 120.00	100.00
9.741	9.748	(1.139)	101	10373			0.00- 38.08	7.83
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	92250	1.49912	17600	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	19703			0.00- 50.73	21.36
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.140	11.140	(0.999)	228	71334	1.36207	16000	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	10341			0.00- 50.51	14.50
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	42279	0.80000		80.00- 120.00	100.00
11.146	11.146	(1.000)	120	3386			0.00- 37.78	8.01
27 Chrysene						CAS #: 218-01-9		
11.171	11.171	(1.002)	228	80215	1.35453	15900	80.00- 120.00	100.00
11.171	11.171	(1.002)	226	24469			0.00- 58.50	30.50
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.127	12.124	(0.973)	252	63204	1.08381	12700	80.00- 120.00	100.00
12.131	12.124	(0.973)	253	15469			0.00- 51.26	24.47
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.146	12.146	(0.975)	252	29113	0.39893	4680	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	31 Benzo[k]fluoranthene (continued)							
12.150	12.146	(0.975)	253	6058			0.00- 53.27	20.81
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.409	12.402	(0.996)	252	48028	0.87747	10300	80.00- 120.00	100.00
12.409	12.402	(0.996)	253	12536			0.00- 53.07	26.10
*	33 Perylene-d12					CAS #: 1520-96-3		
12.461	12.454	(1.000)	264	42802	0.80000		80.00- 120.00	100.00
12.461	12.454	(1.000)	260	9413			0.00- 52.55	21.99
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.465	13.454	(1.081)	276	26680	0.39468	4630	80.00- 120.00	100.00
13.465	13.454	(1.081)	138	4879			0.00- 49.54	18.29
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.468	13.465	(1.081)	278	10228	0.19006	2230	80.00- 120.00	100.00
13.468	13.465	(1.081)	139	1152			0.00- 43.05	11.26
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.748	13.737	(1.103)	276	35088	0.59061	6920	80.00- 120.00	100.00
13.748	13.737	(1.103)	138	3486			0.00- 46.66	9.94

QC Flag Legend

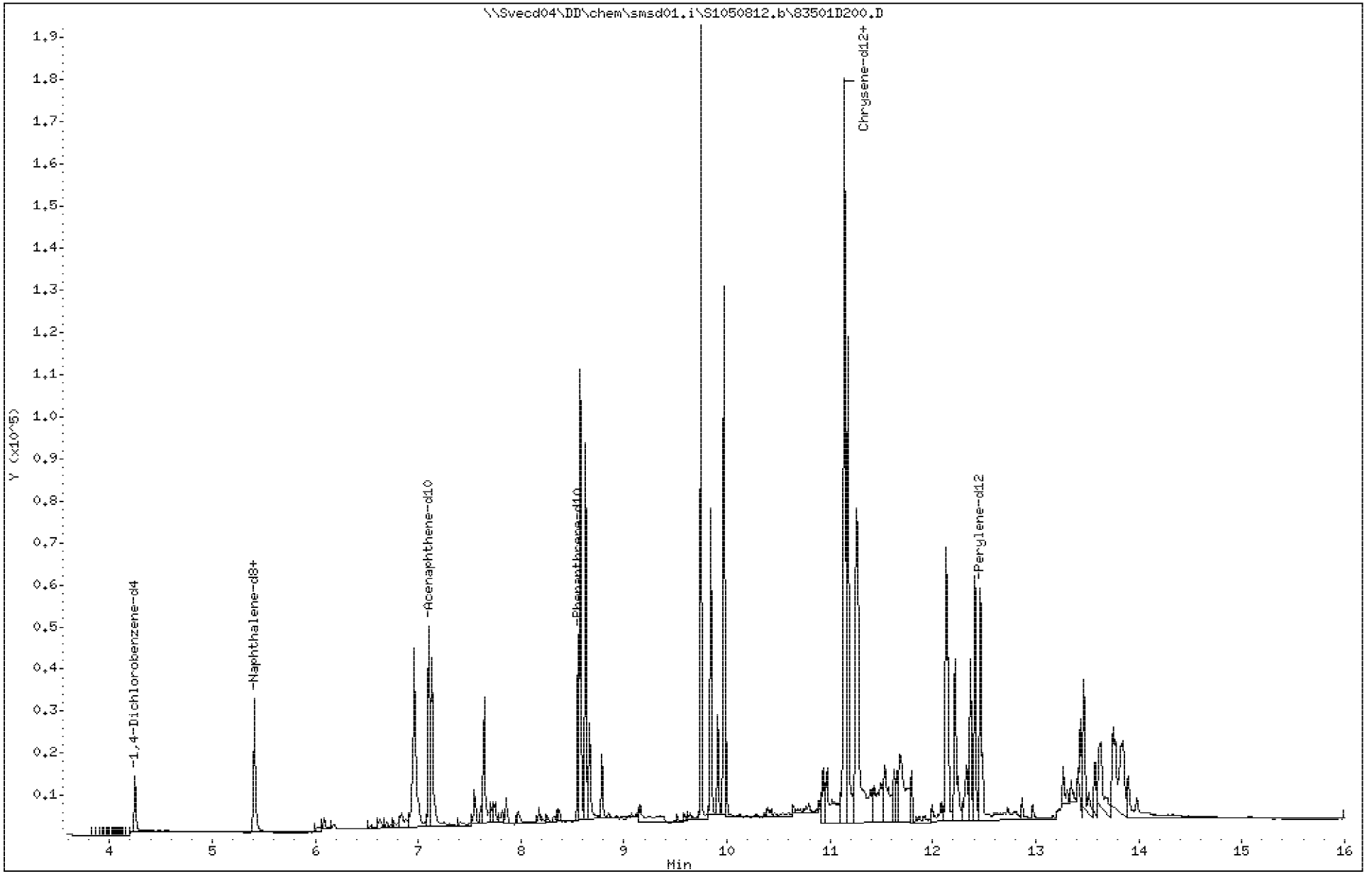
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83501D200.D
Date : 08-MAY-2012 13:33
Client ID: EPAFMC-SD-01
Sample Info: SIM350583501

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

824

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83502D200.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 08-MAY-2012 18:08 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583502
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 25
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	25.730	Weight of sample extracted (g)
M	19.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253	(1.000)	152	8806	0.80000		80.00- 120.00	100.00
4.249	4.253	(1.000)	115	5038			32.50- 92.50	57.21
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	33431	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	1242			0.00- 34.01	3.72
6 Naphthalene						CAS #: 91-20-3		
5.430	5.429	(1.004)	128	11666	0.25860	2490	80.00- 120.00	100.00
5.430	5.429	(1.004)	129	1209			0.00- 40.52	10.36
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	1389	0.04792	462	80.00- 120.00	100.00
6.082	6.093	(1.125)	141	1193			56.36- 116.36	85.89
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	606	0.02019	194	80.00- 120.00	100.00
6.177	6.177	(1.143)	141	631			49.28- 109.28	104.13
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	10091	0.21117	2030	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	12 Acenaphthylene (continued)							
6.964	6.964	(0.980)	151	2008			0.00- 49.78	19.90
*	13 Acenaphthene-d10					CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	21035	0.80000		80.00- 120.00	100.00
7.105	7.105	(1.000)	162	19702			64.70- 124.70	93.66
	14 Acenaphthene					CAS #: 83-32-9		
7.131	7.131	(1.004)	153	4521	0.14266	1370	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	3993			60.47- 120.47	88.32
	16 Fluorene					CAS #: 86-73-7		
7.641	7.641	(1.076)	166	7719	0.21380	2060	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	7577			64.52- 124.52	98.16
*	17 Phenanthrene-d10					CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	39449	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2524			0.00- 36.97	6.40
	18 Phenanthrene					CAS #: 85-01-8		
8.575	8.575	(1.002)	178	66523	1.23841	11900	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	9871			0.00- 45.15	14.84
	19 Anthracene					CAS #: 120-12-7		
8.627	8.626	(1.008)	178	27508	0.67611	6510	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	4215			0.00- 45.16	15.32
	21 Fluoranthene					CAS #: 206-44-0		
9.748	9.748	(1.139)	202	183631	2.93529	28300	80.00- 120.00	100.00
9.741	9.748	(1.139)	101	13861			0.00- 38.08	7.55
	22 Pyrene					CAS #: 129-00-0		
9.967	9.967	(0.894)	202	131196	1.94070	18700	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	26765			0.00- 50.73	20.40
	25 Benzo[a]anthracene					CAS #: 56-55-3		
11.134	11.140	(0.999)	228	94291	1.63886	15800	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	22779			0.00- 50.51	24.16
*	26 Chrysene-d12					CAS #: 1719-03-5		
11.147	11.146	(1.000)	240	46447	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3694			0.00- 37.78	7.95
	27 Chrysene					CAS #: 218-01-9		
11.172	11.171	(1.002)	228	89821	1.38063	13300	80.00- 120.00	100.00
11.172	11.171	(1.002)	226	26851			0.00- 58.50	29.89
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	101917	1.54843	14900	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	21663			0.00- 51.26	21.26
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.124	12.146	(0.973)	252	134849	1.63715	15800	80.00- 120.00	100.00

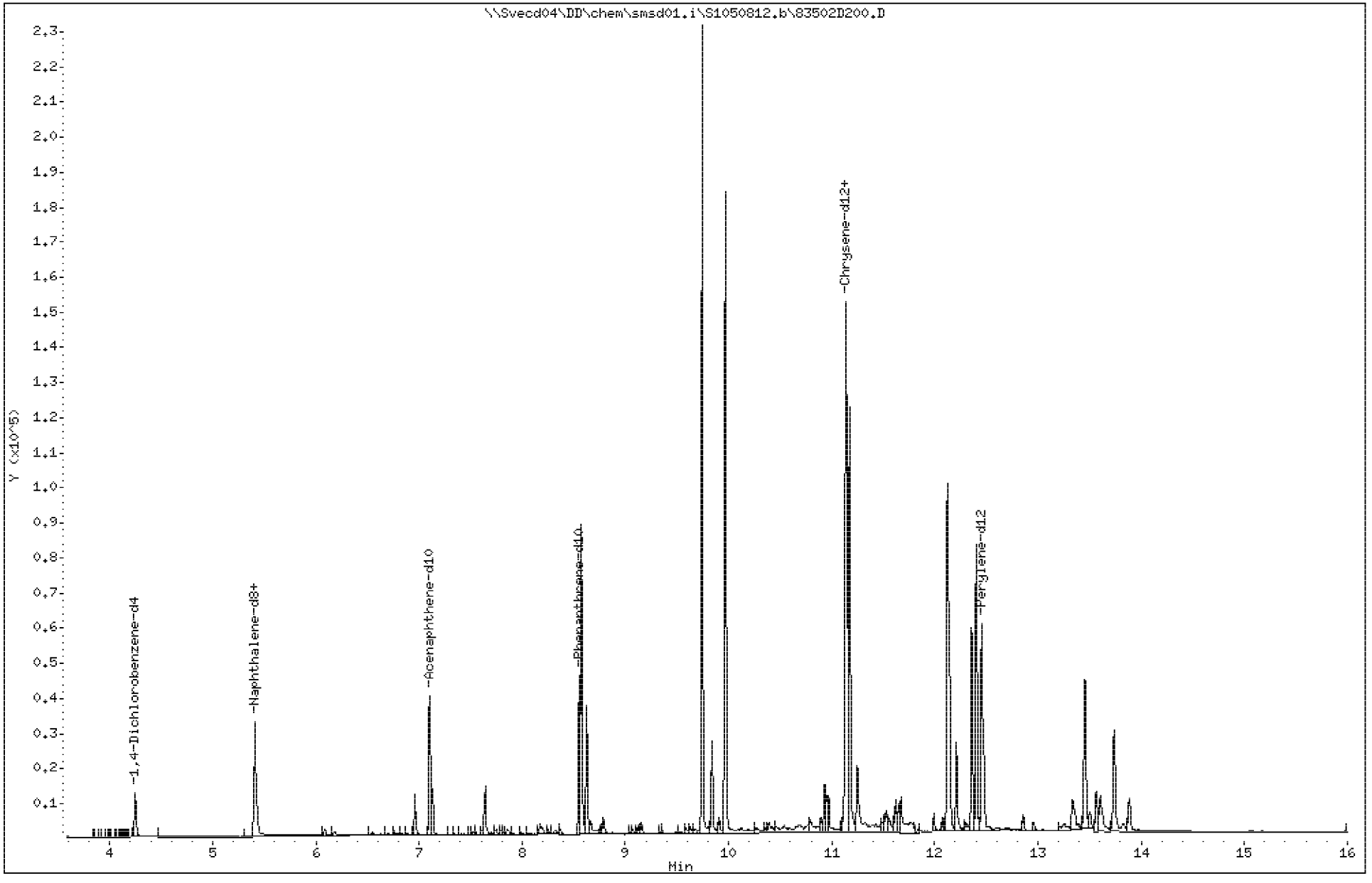
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	31 Benzo[k]fluoranthene (continued)							
12.124	12.146	(0.973)	253	30733			0.00- 53.27	22.79
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.402	12.402	(0.996)	252	69474	1.12460	10800	80.00- 120.00	100.00
12.406	12.402	(0.996)	253	16138			0.00- 53.07	23.23
*	33 Perylene-d12					CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	48309	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	10452			0.00- 52.55	21.64
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.454	13.454	(1.080)	276	39367	0.51597	4970	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	6615			0.00- 49.54	16.80
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.461	13.465	(1.081)	278	12083	0.19893	1920	80.00- 120.00	100.00
13.457	13.465	(1.081)	139	1585			0.00- 43.05	13.12
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.737	13.737	(1.103)	276	34604	0.51607	4970	80.00- 120.00	100.00
13.737	13.737	(1.103)	138	5826			0.00- 46.66	16.84

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83502D200.D
Date : 08-MAY-2012 18:08
Client ID: EPAFMC-SD-02
Sample Info: SIM350583502

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

828

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83503D50.D
Lab Smp Id: 350583503 Client Smp ID: EPAFMC-SD-03
Inj Date : 08-MAY-2012 18:32 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583503
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 26
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	50.000	Dilution Factor
Ws	25.260	Weight of sample extracted (g)
M	25.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.253	4.253	(1.000)	152	8380	0.80000		80.00- 120.00	100.00
4.249	4.253	(1.000)	115	4903			32.50- 92.50	58.51
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406	(1.000)	136	32347	0.80000		80.00- 120.00	100.00
5.406	5.406	(1.000)	68	1227			0.00- 34.01	3.79
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429	(1.004)	128	6499	0.14889	397	80.00- 120.00	100.00
5.429	5.429	(1.004)	129	677			0.00- 40.52	10.42
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093	(1.125)	142	1393	0.04967	132	80.00- 120.00	100.00
6.082	6.093	(1.125)	141	1205			56.36- 116.36	86.50
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177	(1.143)	142	719	0.02476	66.0	80.00- 120.00	100.00
6.177	6.177	(1.143)	141	638			49.28- 109.28	88.73
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	17817	0.38179	1020	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	12 Acenaphthylene (continued)							
6.955	6.964	(0.979)	151	3690			0.00- 49.78	20.71
*	13 Acenaphthene-d10					CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	20542	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	19430			64.70- 124.70	94.59
	14 Acenaphthene					CAS #: 83-32-9		
7.131	7.131	(1.004)	153	11592	0.37458	999	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	10349			60.47- 120.47	89.28
	16 Fluorene					CAS #: 86-73-7		
7.641	7.641	(1.076)	166	18380	0.52131	1390	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	17832			64.52- 124.52	97.02
*	17 Phenanthrene-d10					CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	38336	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2551			0.00- 36.97	6.65
	18 Phenanthrene					CAS #: 85-01-8		
8.575	8.575	(1.002)	178	123598	2.36774	6320	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	18691			0.00- 45.15	15.12
	19 Anthracene					CAS #: 120-12-7		
8.626	8.626	(1.008)	178	67472	1.70652	4550	80.00- 120.00	100.00(M)
8.626	8.626	(1.008)	179	9586			0.00- 45.16	14.21
	21 Fluoranthene					CAS #: 206-44-0		
9.741	9.748	(1.139)	202	277065	4.55738	12200	80.00- 120.00	100.00
9.741	9.748	(1.139)	101	21319			0.00- 38.08	7.69
	22 Pyrene					CAS #: 129-00-0		
9.967	9.967	(0.894)	202	193138	2.94203	7850	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	39964			0.00- 50.73	20.69
	25 Benzo[a]anthracene					CAS #: 56-55-3		
11.134	11.140	(0.999)	228	152721	2.73345	7290	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	28945			0.00- 50.51	18.95
*	26 Chrysene-d12					CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	45104	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3634			0.00- 37.78	8.06
	27 Chrysene					CAS #: 218-01-9		
11.172	11.171	(1.002)	228	141816	2.24475	5990	80.00- 120.00	100.00
11.172	11.171	(1.002)	226	42680			0.00- 58.50	30.10
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	160172	2.59130	6910	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	33965			0.00- 51.26	21.21
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.142	12.146	(0.975)	252	65221	0.84317	2250	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
31 Benzo[k]fluoranthene (continued)								
12.142	12.146	(0.975)	253	15339			0.00- 53.27	23.52
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.406	12.402	(0.996)	252	109551	1.88834	5040	80.00- 120.00	100.00
12.406	12.402	(0.996)	253	25807			0.00- 53.07	23.56
* 33 Perylene-d12						CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	45367	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	9924			0.00- 52.55	21.87
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.454	13.454	(1.080)	276	60775	0.84821	2260	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	9896			0.00- 49.54	16.28
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.461	13.465	(1.081)	278	21723	0.38084	1020	80.00- 120.00	100.00(M)
13.457	13.465	(1.081)	139	2526			0.00- 43.05	11.63
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.737	13.737	(1.103)	276	53171	0.84439	2250	80.00- 120.00	100.00
13.737	13.737	(1.103)	138	8780			0.00- 46.66	16.51

QC Flag Legend

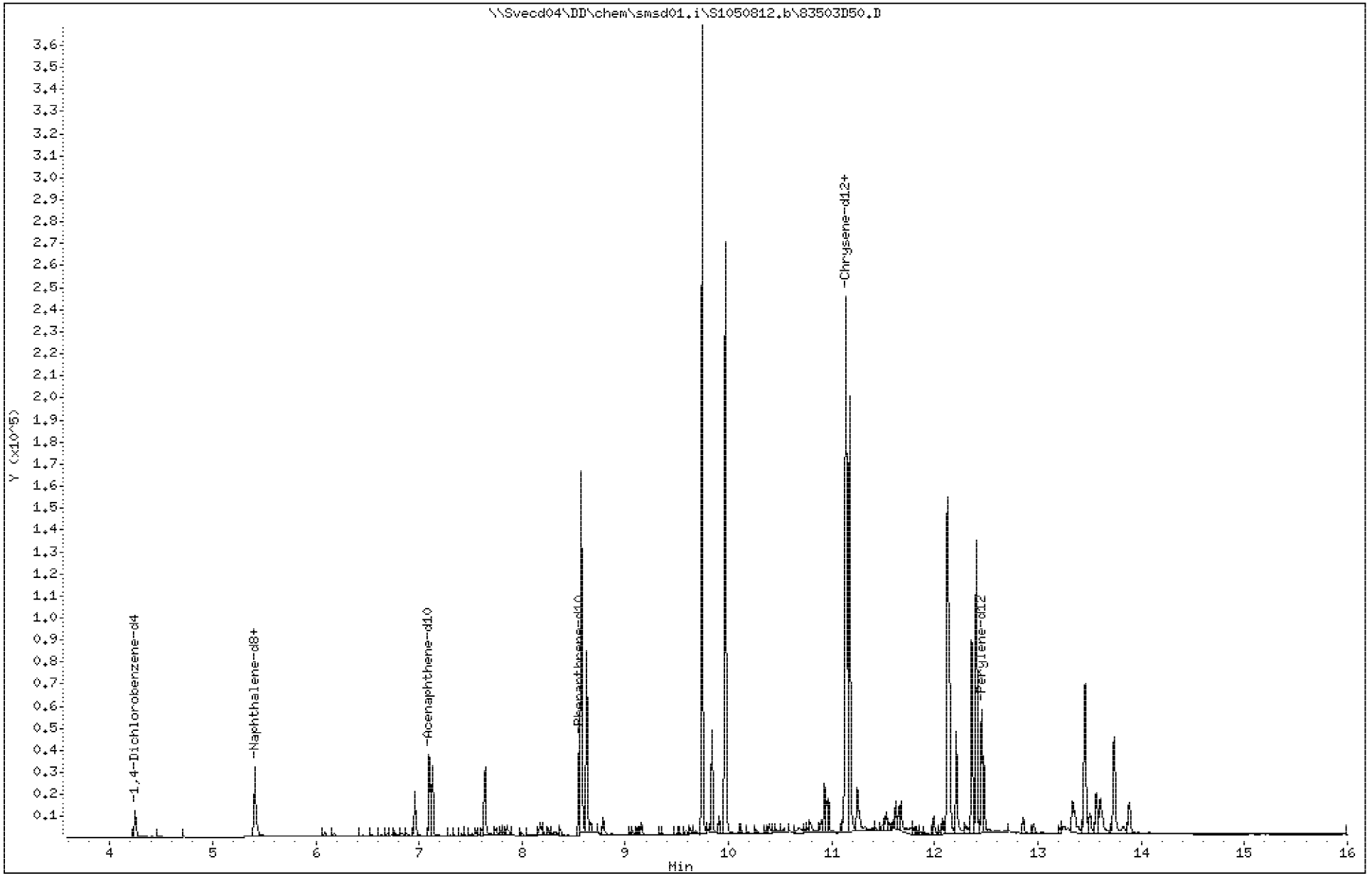
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83503D50.D
Date : 08-MAY-2012 18:32
Client ID: EPAFMC-SD-03
Sample Info: SIM350583503

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

832

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050812.b\83504D5.D
Lab Smp Id: 350583504 Client Smp ID: EPAFMC-SD-04
Inj Date : 08-MAY-2012 18:56 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583504
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050812.b\SIMBCSTR.m
Meth Date : 08-May-2012 12:02 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 27
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	5.000	Dilution Factor
Ws	25.060	Weight of sample extracted (g)
M	38.000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
*	3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.249	4.253 (1.000)		152	8742	0.80000		80.00- 120.00	100.00
	4.249	4.253 (1.000)		115	5102			32.50- 92.50	58.36
*	5 Naphthalene-d8						CAS #: 1146-65-2		
	5.406	5.406 (1.000)		136	32766	0.80000		80.00- 120.00	100.00
	5.406	5.406 (1.000)		68	1236			0.00- 34.01	3.77
	6 Naphthalene						CAS #: 91-20-3		
	5.430	5.429 (1.004)		128	19340	0.43741	141	80.00- 120.00	100.00
	5.430	5.429 (1.004)		129	2076			0.00- 40.52	10.73
	8 2-Methylnaphthalene						CAS #: 91-57-6		
	6.082	6.093 (1.125)		142	4287	0.15091	48.6	80.00- 120.00	100.00
	6.082	6.093 (1.125)		141	3618			56.36- 116.36	84.39
	9 1-Methylnaphthalene						CAS #: 90-12-0		
	6.177	6.177 (1.143)		142	2466	0.08385	27.0	80.00- 120.00	100.00(M)
	6.177	6.177 (1.143)		141	2058			49.28- 109.28	83.45
$	10 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
	6.450	6.449 (0.908)		172	2112	0.05589	18.0	80.00- 120.00	100.00(R)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	757			4.13- 64.13	35.84
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	9648	0.20298	65.3	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	1963			0.00- 49.78	20.35
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	20923	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	19395			64.70- 124.70	92.70
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	4073	0.12922	41.6	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	3571			60.47- 120.47	87.67
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	5368	0.14948	48.1	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	5358			64.52- 124.52	99.81
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	39083	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2551			0.00- 36.97	6.53
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	50557	0.95000	306	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	7480			0.00- 45.15	14.80
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	22207	0.55093	177	80.00- 120.00	100.00(M)
8.627	8.626	(1.008)	179	3928			0.00- 45.16	17.69
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	159226	2.56902	827	80.00- 120.00	100.00
9.742	9.748	(1.139)	101	11944			0.00- 38.08	7.50
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	126357	1.92537	620	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	25822			0.00- 50.73	20.44
$ 23 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.118	10.124	(0.908)	244	2438	0.05817	18.7	80.00- 120.00	100.00
10.118	10.124	(0.908)	122	270			0.00- 38.43	11.07
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	95449	1.70891	550	80.00- 120.00	100.00(M)
11.134	11.140	(0.999)	229	18035			0.00- 50.51	18.89
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146	(1.000)	240	45090	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3472			0.00- 37.78	7.70
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	99105	1.56918	505	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
27 Chrysene (continued)								
11.172	11.171	(1.002)	226	29375			0.00- 58.50	29.64
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.124	12.124	(0.973)	252	129435	2.05766	662	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	27564			0.00- 51.26	21.30
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.142	12.146	(0.975)	252	50574	0.64246	207	80.00- 120.00	100.00(M)
12.135	12.146	(0.974)	253	14450			0.00- 53.27	28.57
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.406	12.402	(0.996)	252	82996	1.40576	452	80.00- 120.00	100.00
12.406	12.402	(0.996)	253	19400			0.00- 53.07	23.37
* 33 Perylene-d12						CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	46169	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	10145			0.00- 52.55	21.97
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.454	13.454	(1.080)	276	53727	0.73682	237	80.00- 120.00	100.00
13.454	13.454	(1.080)	138	8692			0.00- 49.54	16.18
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.461	13.465	(1.081)	278	16675	0.28726	92.4	80.00- 120.00	100.00
13.457	13.465	(1.081)	139	2207			0.00- 43.05	13.24
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.737	13.737	(1.103)	276	50779	0.79239	255	80.00- 120.00	100.00
13.737	13.737	(1.103)	138	8037			0.00- 46.66	15.83

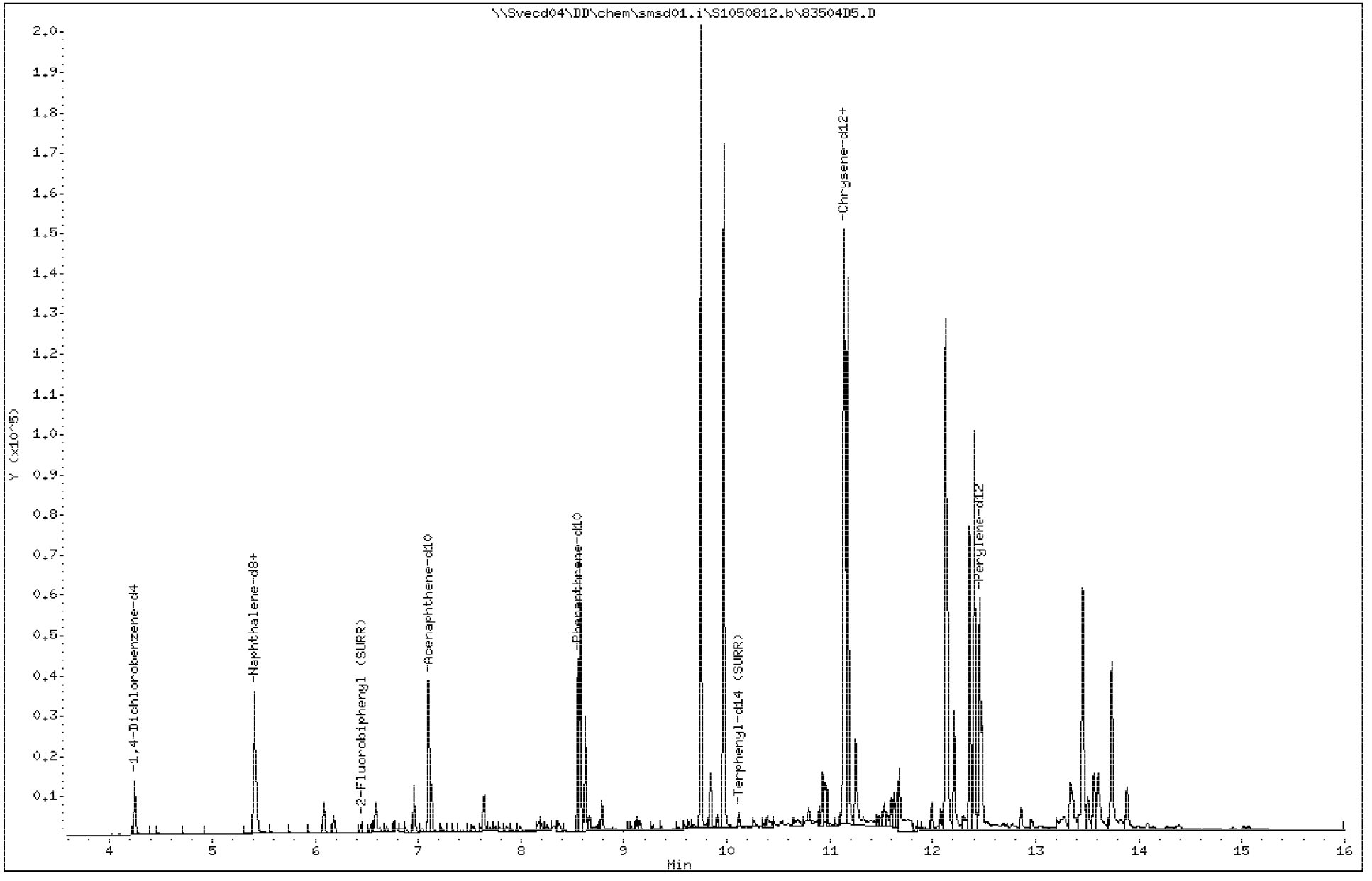
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050812.b\83504D5.D
Date : 08-MAY-2012 18:56
Client ID: EPAFMC-SD-04
Sample Info: SIM350583504

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

836



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D
Report Date: 10-May-2012 13:16

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D
Lab Smp Id: 45777 Client Smp ID: DFTPP1
Inj Date : 09-MAY-2012 07:06 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\DoDTUN.m
Meth Date : 09-May-2012 11:47 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

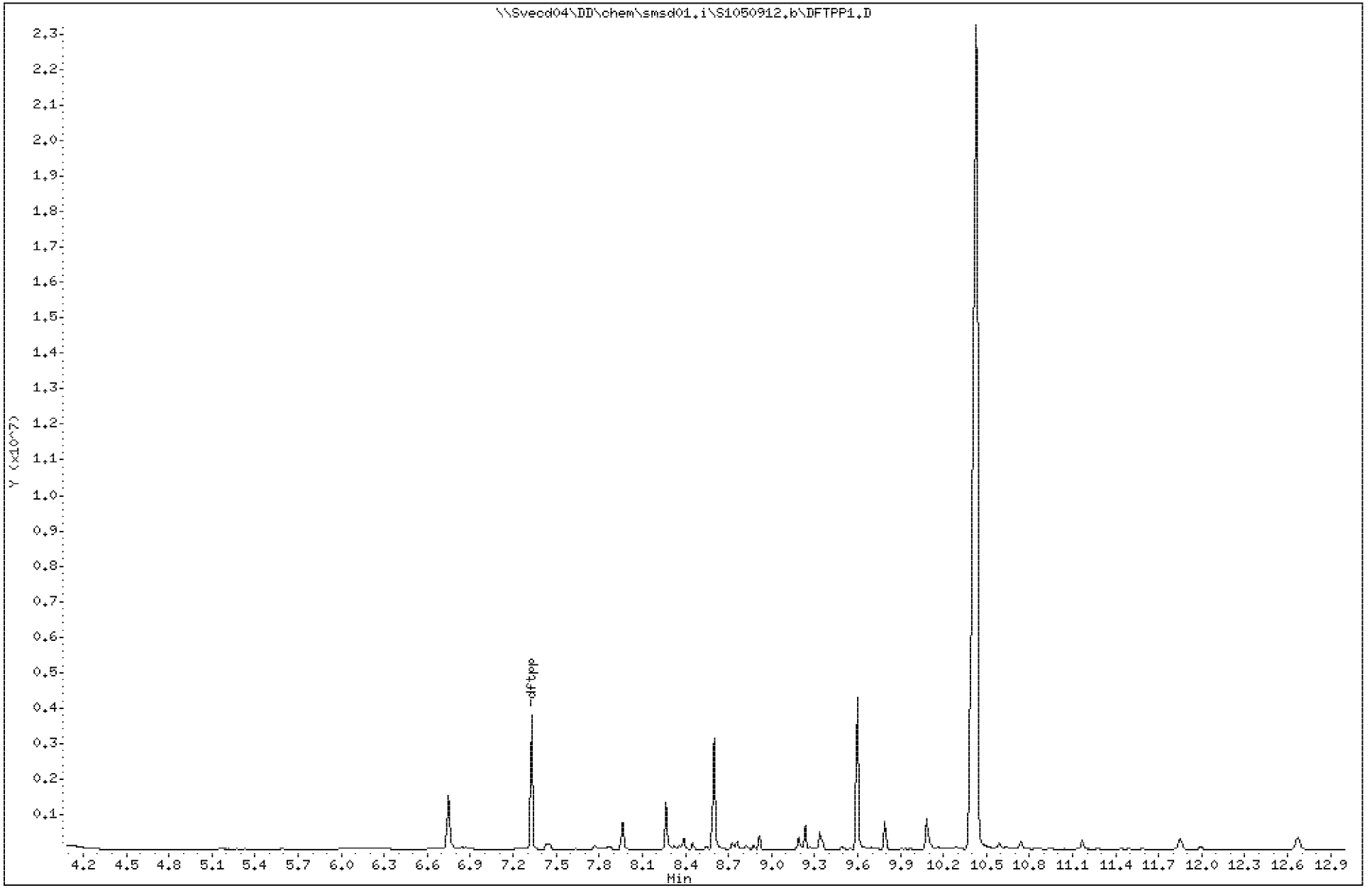
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.328	7.610	(0.000)	198	319296			0.00- 100.00	100.00
7.328	7.610	(0.000)	51	108656			10.00- 80.00	34.03
7.328	7.610	(0.000)	68	252			0.00- 2.00	0.20
7.328	7.610	(0.000)	69	124192			0.00- 0.00	38.90
7.328	7.610	(0.000)	70	907			0.00- 2.00	0.73
7.328	7.610	(0.000)	127	153216			10.00- 80.00	47.99
7.328	7.610	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.328	7.610	(0.000)	199	21144			5.00- 9.00	6.62
7.328	7.610	(0.000)	275	93232			10.00- 60.00	29.20
7.328	7.610	(0.000)	365	11737			1.00- 0.00	3.68
7.328	7.610	(0.000)	441	41456			0.01- 24.00	15.78
7.328	7.610	(0.000)	442	262656			50.00- 0.00	82.26
7.328	7.610	(0.000)	443	50480			15.00- 24.00	19.22

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D
Date : 09-MAY-2012 07:06
Client ID: DFTPP1 Instrument: smsd01.i
Sample Info: 45777
Volume Injected (uL): 1.0 Operator:
Column phase: Column diameter: 2.00

838



3505835

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D

Date : 09-MAY-2012 07:06

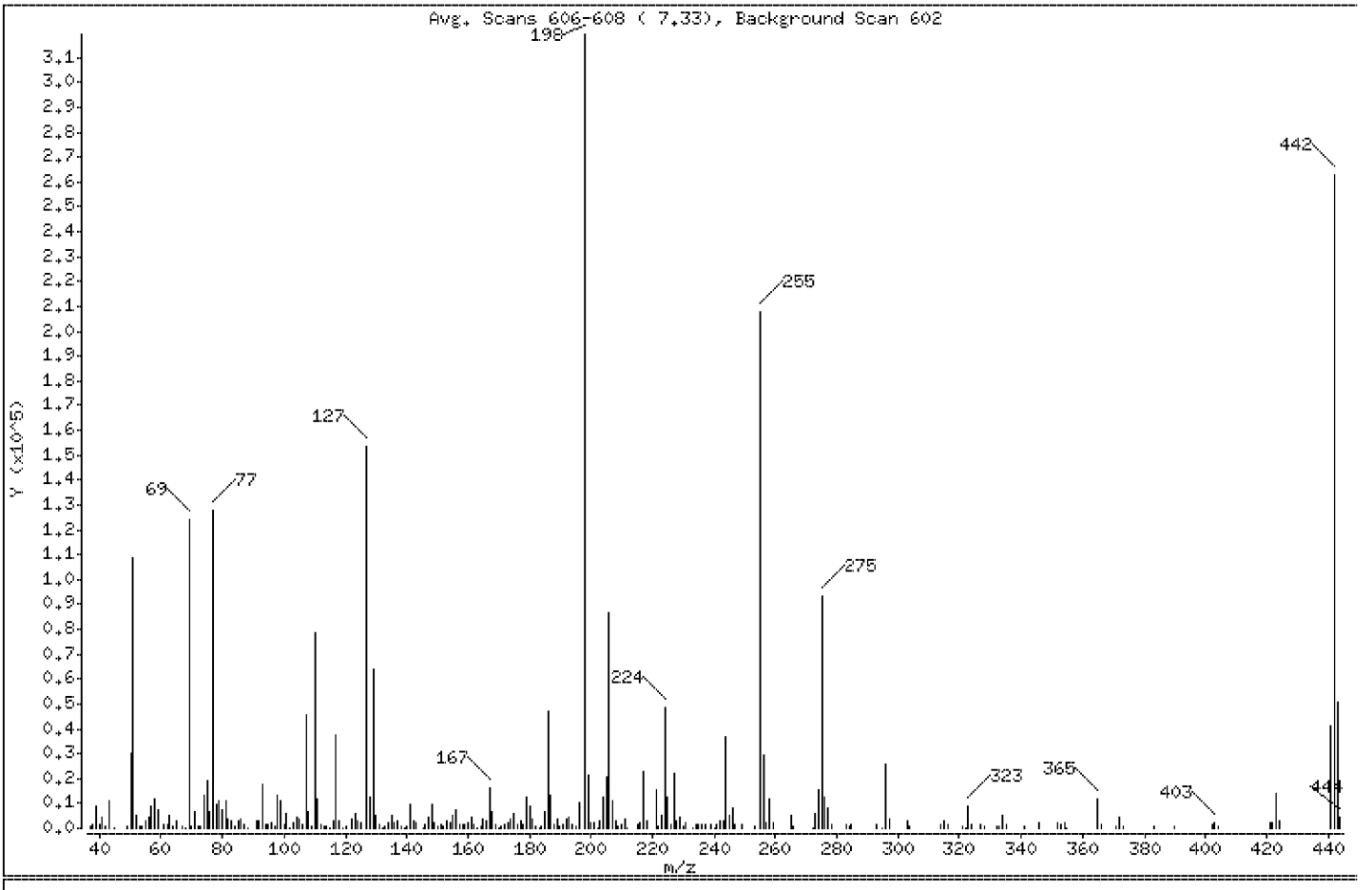
Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	34.03
68	Less than 2.00% of mass 69	0.08 (0.20)
69	Mass 69 relative abundance	38.90
70	Less than 2.00% of mass 69	0.28 (0.73)
127	10.00 - 80.00% of mass 198	47.99
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 60.00% of mass 198	29.20
365	Greater than 1.00% of mass 198	3.68
441	0.01 - 24.00% of mass 442	12.98 (15.78)
442	Greater than 50.00% of mass 198	82.26
443	15.00 - 24.00% of mass 442	15.81 (19.22)

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D

Date : 09-MAY-2012 07:06

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 606-608 (7.33), Background Scan 602
Location of Maximum: 198.00
Number of points: 255

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	481	109.00	818	176.00	1766	247.00	1817
38.00	1454	110.00	78392	177.00	3099	249.00	1407
39.00	8650	111.00	11936	178.00	1293	253.00	677
40.00	1199	112.00	1826	179.00	12598	255.00	207360
41.00	4300	113.00	730	180.00	8506	256.00	29000
42.00	988	114.00	456	181.00	3745	257.00	2403
43.00	10723	115.00	275	182.00	713	258.00	11979
45.00	228	116.00	2728	183.00	338	259.00	1934
49.00	880	117.00	37200	184.00	1055	265.00	5024
50.00	30112	118.00	2572	185.00	6317	266.00	735
51.00	108656	119.00	217	186.00	47272	272.00	298
52.00	4987	120.00	649	187.00	13242	273.00	5791
53.00	998	122.00	3313	188.00	1502	274.00	15315
54.00	870	123.00	5571	189.00	3417	275.00	93232
55.00	3278	124.00	2802	190.00	442	276.00	12347
56.00	4100	125.00	2383	191.00	1369	277.00	7992
57.00	9059	127.00	153216	192.00	3980	278.00	1403
58.00	11497	128.00	12210	193.00	4446	283.00	1227
59.00	7280	129.00	64200	194.00	1336	284.00	479
61.00	1720	130.00	5220	195.00	764	285.00	1579
62.00	1835	131.00	1271	196.00	10297	293.00	1692
63.00	5071	132.00	220	198.00	319296	295.00	317
64.00	829	133.00	582	199.00	21144	296.00	25936
65.00	2832	134.00	2140	200.00	1871	297.00	3488
67.00	716	135.00	5381	201.00	2078	303.00	3126
68.00	252	136.00	2279	202.00	340	304.00	827
69.00	124192	137.00	2866	203.00	2721	314.00	1287
70.00	907	138.00	859	204.00	12292	315.00	3015
71.00	6609	139.00	253	205.00	20408	316.00	1460
72.00	874	140.00	924	206.00	86936	321.00	710
73.00	894	141.00	9329	207.00	10961	322.00	217
74.00	13521	142.00	2745	208.00	3048	323.00	8695
75.00	19440	143.00	1966	209.00	1096	324.00	1661
76.00	6957	145.00	287	210.00	1457	327.00	1707
77.00	127632	146.00	1555	211.00	3788	328.00	779

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\DFTPP1.D

Date : 09-MAY-2012 07:06

Client ID: DFTPP1 Instrument: smsd01.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator:

Column phase: Column diameter: 2.00

Data File: DFTPP1.D
Spectrum: Avg. Scans 606-608 (7.33), Background Scan 602
Location of Maximum: 198.00
Number of points: 255

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	9209	147.00	4736	212.00	221	332.00	392
79.00	10671	148.00	9720	215.00	1114	333.00	650
80.00	7676	149.00	2031	216.00	2111	334.00	5156
81.00	11126	150.00	523	217.00	22640	335.00	1414
82.00	3586	151.00	1300	218.00	2752	341.00	1038
83.00	3282	152.00	916	221.00	15406	346.00	1896
84.00	582	153.00	2827	222.00	1055	352.00	2393
85.00	2673	154.00	2015	223.00	5337	353.00	1704
86.00	3951	155.00	5286	224.00	48120	354.00	2533
87.00	1632	156.00	7260	225.00	12842	355.00	255
88.00	226	157.00	1297	226.00	1309	365.00	11737
91.00	2940	158.00	1720	227.00	22264	366.00	1714
92.00	2999	159.00	1444	228.00	2996	371.00	545
93.00	17344	160.00	2533	229.00	4573	372.00	4281
94.00	1657	161.00	4130	230.00	549	373.00	923
95.00	1199	162.00	1166	231.00	1900	383.00	1019
96.00	1842	163.00	228	233.00	234	390.00	481
97.00	892	164.00	535	234.00	1317	402.00	1569
98.00	13382	165.00	3767	235.00	1577	403.00	2351
99.00	10867	166.00	2857	236.00	1657	404.00	604
100.00	1562	167.00	16049	237.00	1472	421.00	2070
101.00	6054	168.00	6830	239.00	1305	422.00	2011
102.00	216	169.00	1601	240.00	345	423.00	14048
103.00	2194	170.00	303	241.00	1302	424.00	2947
104.00	4100	171.00	876	242.00	2605	441.00	41456
105.00	3945	172.00	1805	243.00	2971	442.00	262656
106.00	1161	173.00	1901	244.00	36600	443.00	50480
107.00	45144	174.00	3571	245.00	5193	444.00	4238
108.00	6957	175.00	6201	246.00	8114		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/09/2012 07:20

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050912.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/09/2012 11:50

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050912.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/10/2012 13:16

Datafile Analyzed: //Svecd04/DD/chem/smsd01.i/S1050912.b/DFTPP1.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMCCV1.D
Lab Smp Id: 46068 Client Smp ID: SIMCCV1
Inj Date : 09-MAY-2012 07:25 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : 46068
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMBCSTR.m
Meth Date : 09-May-2012 12:40 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 99 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.249	4.253	(1.000)	152	9456	0.80000		80.00- 120.00	100.00
4.249	4.253	(1.000)	115	5428			32.50- 92.50	57.40
* 5 Naphthalene-d8							CAS #: 1146-65-2	
5.406	5.406	(1.000)	136	33104	0.80000		80.00- 120.00	100.00(M)
5.406	5.406	(1.000)	68	1404			0.00- 34.01	4.24
6 Naphthalene							CAS #: 91-20-3	
5.430	5.429	(1.004)	128	25715	0.50000	0.58	80.00- 120.00	100.00
5.430	5.429	(1.004)	129	2669			0.00- 40.52	10.38
8 2-Methylnaphthalene							CAS #: 91-57-6	
6.082	6.093	(1.125)	142	16007	0.50000	0.56	80.00- 120.00	100.00(M)
6.082	6.093	(1.125)	141	13044			56.36- 116.36	81.49
9 1-Methylnaphthalene							CAS #: 90-12-0	
6.177	6.177	(1.143)	142	15651	0.50000	0.53	80.00- 120.00	100.00(M)
6.177	6.177	(1.143)	141	13174			49.28- 109.28	84.17
$ 10 2-Fluorobiphenyl (SURR)							CAS #: 321-60-8	
6.450	6.449	(0.908)	172	17860	0.50000	0.48	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 10 2-Fluorobiphenyl (SURR) (continued)								
6.450	6.449	(0.908)	171	6240			4.13- 64.13	34.94
12 Acenaphthylene							CAS #: 208-96-8	
6.955	6.964	(0.979)	152	25699	0.50000	0.55	80.00- 120.00	100.00
6.955	6.964	(0.979)	151	4960			0.00- 49.78	19.30
* 13 Acenaphthene-d10							CAS #: 15067-26-2	
7.105	7.105	(1.000)	164	20410	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	19259			64.70- 124.70	94.36
14 Acenaphthene							CAS #: 83-32-9	
7.131	7.131	(1.004)	153	16538	0.50000	0.54	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	14973			60.47- 120.47	90.54
16 Fluorene							CAS #: 86-73-7	
7.641	7.641	(1.076)	166	19999	0.50000	0.57	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	19005			64.52- 124.52	95.03
* 17 Phenanthrene-d10							CAS #: 1517-22-2	
8.555	8.555	(1.000)	188	37538	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2568			0.00- 36.97	6.84
18 Phenanthrene							CAS #: 85-01-8	
8.575	8.575	(1.002)	178	28815	0.50000	0.56	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	4286			0.00- 45.15	14.87
19 Anthracene							CAS #: 120-12-7	
8.627	8.626	(1.008)	178	23114	0.50000	0.60	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	3470			0.00- 45.16	15.01
21 Fluoranthene							CAS #: 206-44-0	
9.748	9.748	(1.139)	202	34851	0.50000	0.58	80.00- 120.00	100.00
9.741	9.748	(1.139)	101	2784			0.00- 38.08	7.99
22 Pyrene							CAS #: 129-00-0	
9.967	9.967	(0.894)	202	35415	0.50000	0.54	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	7475			0.00- 50.73	21.11
$ 23 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.118	10.124	(0.908)	244	23310	0.50000	0.56	80.00- 120.00	100.00
10.118	10.124	(0.908)	122	1979			0.00- 38.43	8.49
25 Benzo[a]anthracene							CAS #: 56-55-3	
11.134	11.140	(0.999)	228	31383	0.50000	0.56	80.00- 120.00	100.00
11.140	11.140	(0.999)	229	6116			0.00- 50.51	19.49
* 26 Chrysene-d12							CAS #: 1719-03-5	
11.147	11.146	(1.000)	240	44782	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3498			0.00- 37.78	7.81
27 Chrysene							CAS #: 218-01-9	
11.172	11.171	(1.002)	228	35849	0.50000	0.57	80.00- 120.00	100.00

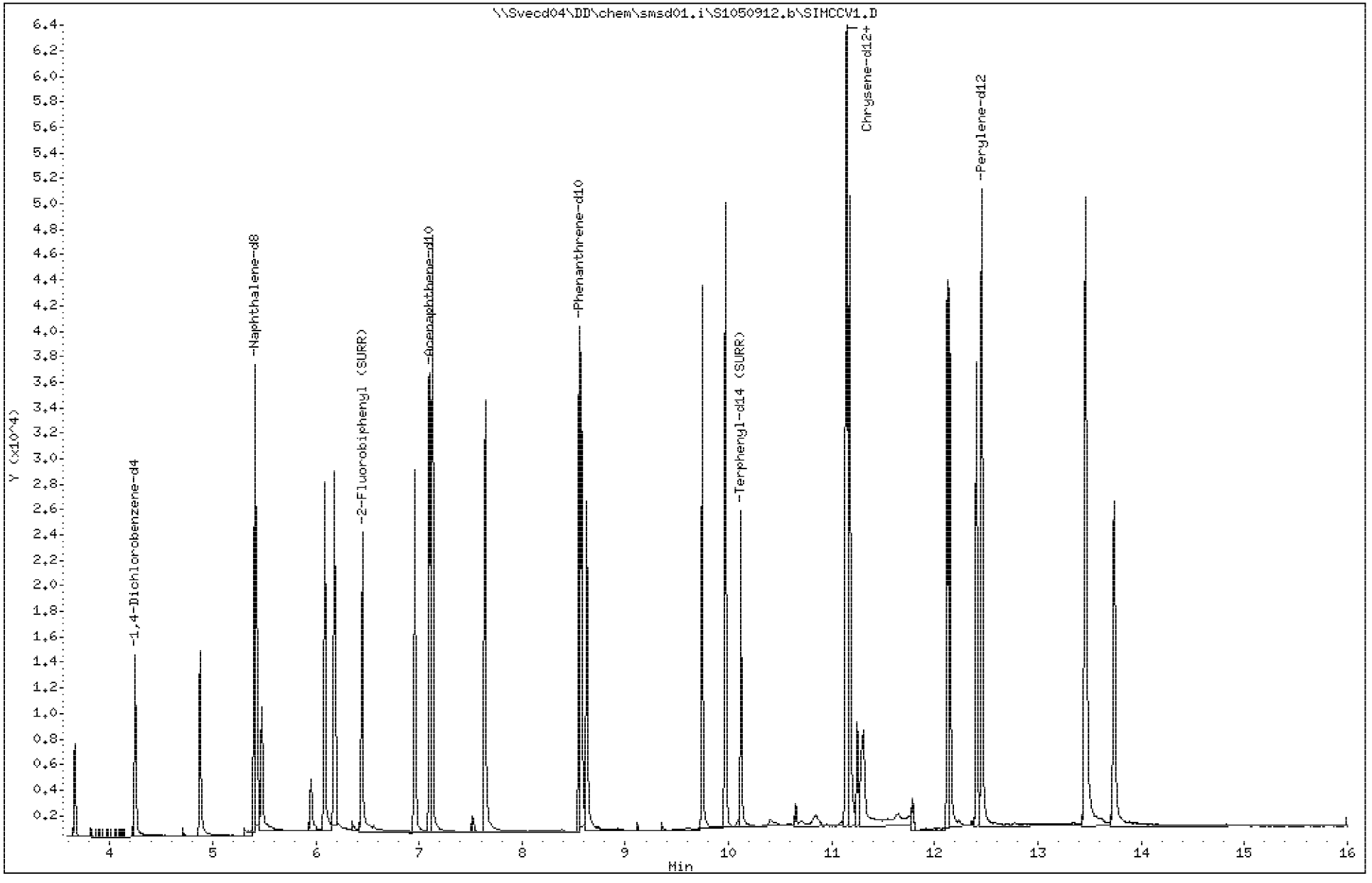
				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	27 Chrysene (continued)							
11.172	11.171	(1.002)	226	10298			0.00- 58.50	28.73
	30 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.124	12.124	(0.973)	252	35759	0.50000	0.57	80.00- 120.00	100.00
12.124	12.124	(0.973)	253	7547			0.00- 51.26	21.11
	31 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.146	12.146	(0.975)	252	40013	0.50000	0.51	80.00- 120.00	100.00
12.146	12.146	(0.975)	253	8949			0.00- 53.27	22.37
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	32468	0.50000	0.55	80.00- 120.00	100.00(M)
12.406	12.402	(0.996)	253	6891			0.00- 53.07	21.23
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	46094	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	9981			0.00- 52.55	21.65
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.457	13.454	(1.080)	276	39769	0.50000	0.55	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	8169			0.00- 49.54	20.54
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	31626	0.50000	0.54	80.00- 120.00	100.00
13.461	13.465	(1.081)	139	4251			0.00- 43.05	13.44
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.737	13.737	(1.103)	276	33235	0.50000	0.52	80.00- 120.00	100.00
13.737	13.737	(1.103)	138	5797			0.00- 46.66	17.44

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMCCV1.D
Date : 09-MAY-2012 07:25
Client ID: SIMCCV1
Instrument: smsd01.i
Sample Info: 46068
Purge Volume: 1000.0
Operator:
Column phase: HPMS-5
Column diameter: 0.25

846



3505835

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\83507D200.D
Lab Smp Id: 350583507 Client Smp ID: EPAFMC-SD-01MS
Inj Date : 09-MAY-2012 14:17 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583507
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMBCSTR.m
Meth Date : 09-May-2012 12:40 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 17 QC Sample: MS
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	25.100	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253 (1.000)		152	7610	0.80000		80.00- 120.00	100.00
4.249	4.253 (1.000)		115	4385			32.50- 92.50	57.62
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406 (1.000)		136	28953	0.80000		80.00- 120.00	100.00
5.406	5.406 (1.000)		68	1048			0.00- 34.01	3.62
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429 (1.004)		128	3738	0.09568	1130	80.00- 120.00	100.00(R)
5.429	5.429 (1.004)		129	384			0.00- 40.52	10.28
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.093	6.093 (1.127)		142	630	0.02510	296	80.00- 120.00	100.00(R)
6.082	6.093 (1.125)		141	529			56.36- 116.36	83.93
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964 (0.980)		152	17487	0.40907	4820	80.00- 120.00	100.00(R)
6.964	6.964 (0.980)		151	3135			0.00- 49.78	17.93

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	18817	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	17678			64.70- 124.70	93.95
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	4645	0.16386	1930	80.00- 120.00	100.00(R)
7.131	7.131	(1.004)	154	4206			60.47- 120.47	90.57
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	4710	0.14583	1720	80.00- 120.00	100.00(R)
7.641	7.641	(1.076)	165	5108			64.52- 124.52	108.45
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	34056	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2237			0.00- 36.97	6.57
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	24351	0.52511	6190	80.00- 120.00	100.00(R)
8.575	8.575	(1.002)	179	3678			0.00- 45.15	15.11
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	14605	0.41582	4900	80.00- 120.00	100.00(RM)
8.627	8.626	(1.008)	179	2088			0.00- 45.16	14.30
21 Fluoranthene						CAS #: 206-44-0		
9.741	9.748	(1.139)	202	73217	1.35569	16000	80.00- 120.00	100.00(R)
9.741	9.748	(1.139)	101	5392			0.00- 38.08	7.37
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	49891	0.82827	9760	80.00- 120.00	100.00(R)
9.967	9.967	(0.894)	200	10415			0.00- 50.73	20.88
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	40461	0.78926	9300	80.00- 120.00	100.00(R)
11.134	11.140	(0.999)	229	9496			0.00- 50.51	23.47
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	41385	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3072			0.00- 37.78	7.42
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	40107	0.69189	8160	80.00- 120.00	100.00(R)
11.172	11.171	(1.002)	226	12645			0.00- 58.50	31.53
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.128	12.124	(0.973)	252	42926	0.72288	8520	80.00- 120.00	100.00(R)
12.128	12.124	(0.973)	253	9184			0.00- 51.26	21.40
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.146	12.146	(0.975)	252	17091	0.22999	2710	80.00- 120.00	100.00(QRM)
12.128	12.146	(0.973)	253	13291			0.00- 53.27	77.76
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.406	12.402	(0.996)	252	30281	0.54331	6400	80.00- 120.00	100.00(R)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
32 Benzo[a]pyrene (continued)								
12.410	12.402	(0.996)	253	7008			0.00- 53.07	23.14
* 33 Perylene-d12						CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	43584	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	9513			0.00- 52.55	21.83
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.461	13.454	(1.081)	276	16787	0.24387	2870	80.00- 120.00	100.00(R)
13.457	13.454	(1.080)	138	2698			0.00- 49.54	16.07
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.465	13.465	(1.081)	278	5937	0.10834	1280	80.00- 120.00	100.00(RM)
13.461	13.465	(1.081)	139	581			0.00- 43.05	9.78
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.741	13.737	(1.103)	276	18337	0.30312	3570	80.00- 120.00	100.00(R)
13.741	13.737	(1.103)	138	7055			0.00- 46.66	38.48

QC Flag Legend

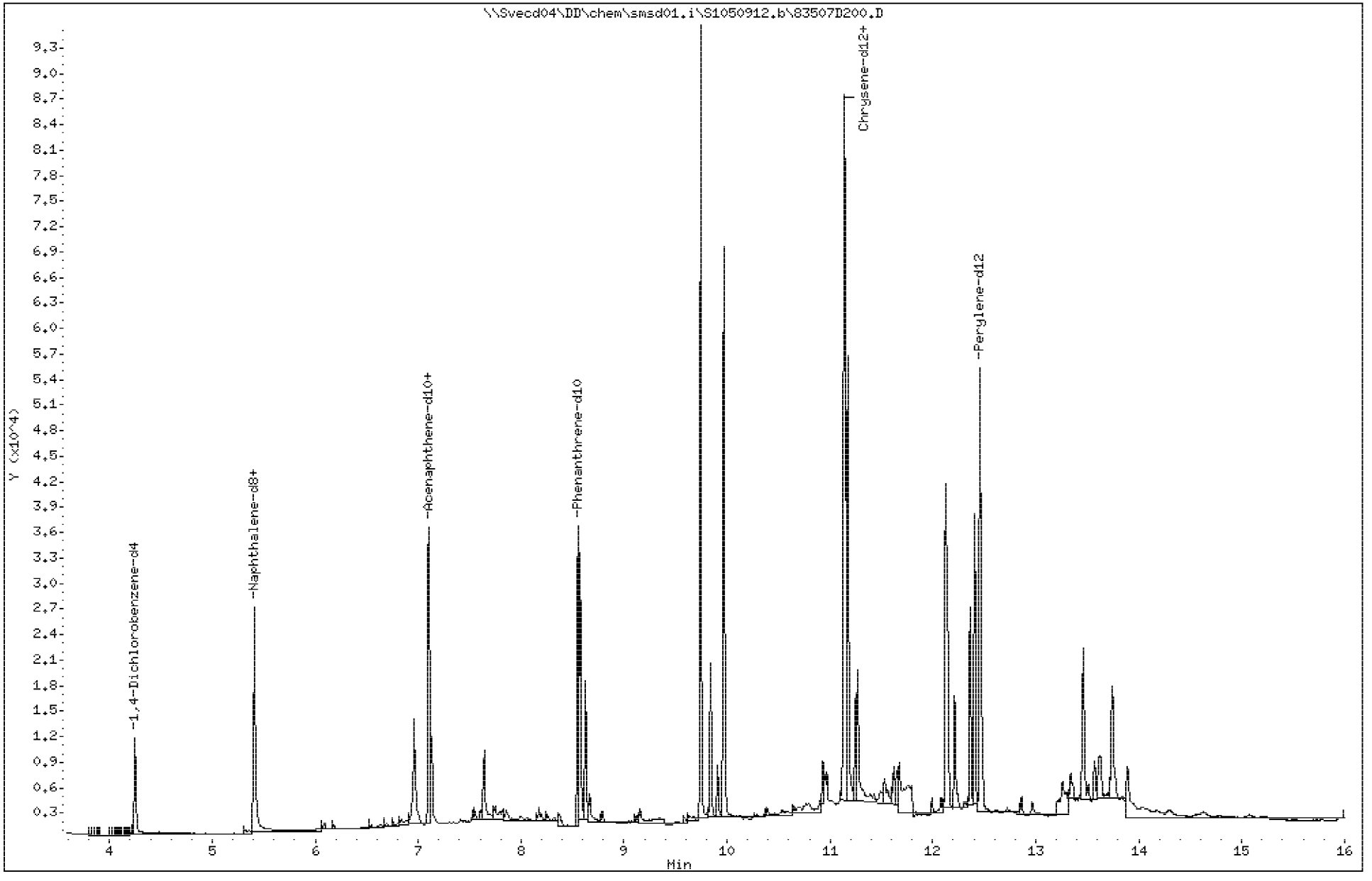
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\83507D200.D
Date : 09-MAY-2012 14:17
Client ID: EPAFMC-SD-01MS
Sample Info: SIM350583507

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

850

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\83505D50K.D
Lab Smp Id: 350583505 Client Smp ID: EPAFMC-SD-05
Inj Date : 09-MAY-2012 14:42 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583505
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMBCSTR.m
Meth Date : 09-May-2012 12:40 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 18
Dil Factor: 50000.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	50000.000	Dilution Factor
Ws	5.670	Weight of sample extracted (g)
M	21.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253 (1.000)		152	8950	0.80000		80.00- 120.00	100.00
4.249	4.253 (1.000)		115	5031			32.50- 92.50	56.21
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406 (1.000)		136	32787	0.80000		80.00- 120.00	100.00
5.406	5.406 (1.000)		68	1187			0.00- 34.01	3.62
6 Naphthalene						CAS #: 91-20-3		
5.430	5.429 (1.004)		128	26481	0.59853	6750000	80.00- 120.00	100.00
5.430	5.429 (1.004)		129	2647			0.00- 40.52	10.00
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.082	6.093 (1.125)		142	4439	0.15617	1760000	80.00- 120.00	100.00
6.082	6.093 (1.125)		141	3780			56.36- 116.36	85.15
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177 (1.143)		142	2297	0.07805	880000	80.00- 120.00	100.00
6.177	6.177 (1.143)		141	2071			49.28- 109.28	90.16

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	6773	0.13732	1550000	80.00- 120.00	100.00
6.964	6.964	(0.980)	151	1240			0.00- 49.78	18.32
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	21711	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	20387			64.70- 124.70	93.90
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	5836	0.17843	2010000	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	5747			60.47- 120.47	98.47
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	8090	0.21710	2450000	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	7966			64.52- 124.52	98.46
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	38511	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2602			0.00- 36.97	6.76
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	28795	0.54911	6190000	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	4446			0.00- 45.15	15.44
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	17380	0.43758	4930000	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	2066			0.00- 45.16	11.89
21 Fluoranthene						CAS #: 206-44-0		
9.742	9.748	(1.139)	202	21516	0.35230	3970000	80.00- 120.00	100.00
9.742	9.748	(1.139)	101	1578			0.00- 38.08	7.34
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	14155	0.20688	2330000	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	2938			0.00- 50.73	20.76
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	9477	0.16275	1840000	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	2503			0.00- 50.51	26.42
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146	(1.000)	240	47010	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3498			0.00- 37.78	7.44
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	11127	0.16898	1900000	80.00- 120.00	100.00
11.172	11.171	(1.002)	226	3712			0.00- 58.50	33.36
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.128	12.124	(0.973)	252	7806	0.11817	1330000	80.00- 120.00	100.00
12.128	12.124	(0.973)	253	1853			0.00- 51.26	23.74
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.142	12.146	(0.975)	252	4490	0.05431	612000	80.00- 120.00	100.00(QM)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	31 Benzo[k]fluoranthene (continued)							
12.128	12.146	(0.973)	253	2802			0.00- 53.27	62.39
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	6447	0.10398	1170000	80.00- 120.00	100.00
12.406	12.402	(0.996)	253	1505			0.00- 53.07	23.35
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	48484	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	10476			0.00- 52.55	21.61
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.461	13.454	(1.081)	276	4021	0.05251	592000	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	589			0.00- 49.54	14.65
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	1309	0.02147	242000	80.00- 120.00	100.00(M)
13.461	13.465	(1.081)	139	164			0.00- 43.05	12.57
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.741	13.737	(1.103)	276	3172	0.04713	532000	80.00- 120.00	100.00(M)
13.737	13.737	(1.103)	138	458			0.00- 46.66	14.44

QC Flag Legend

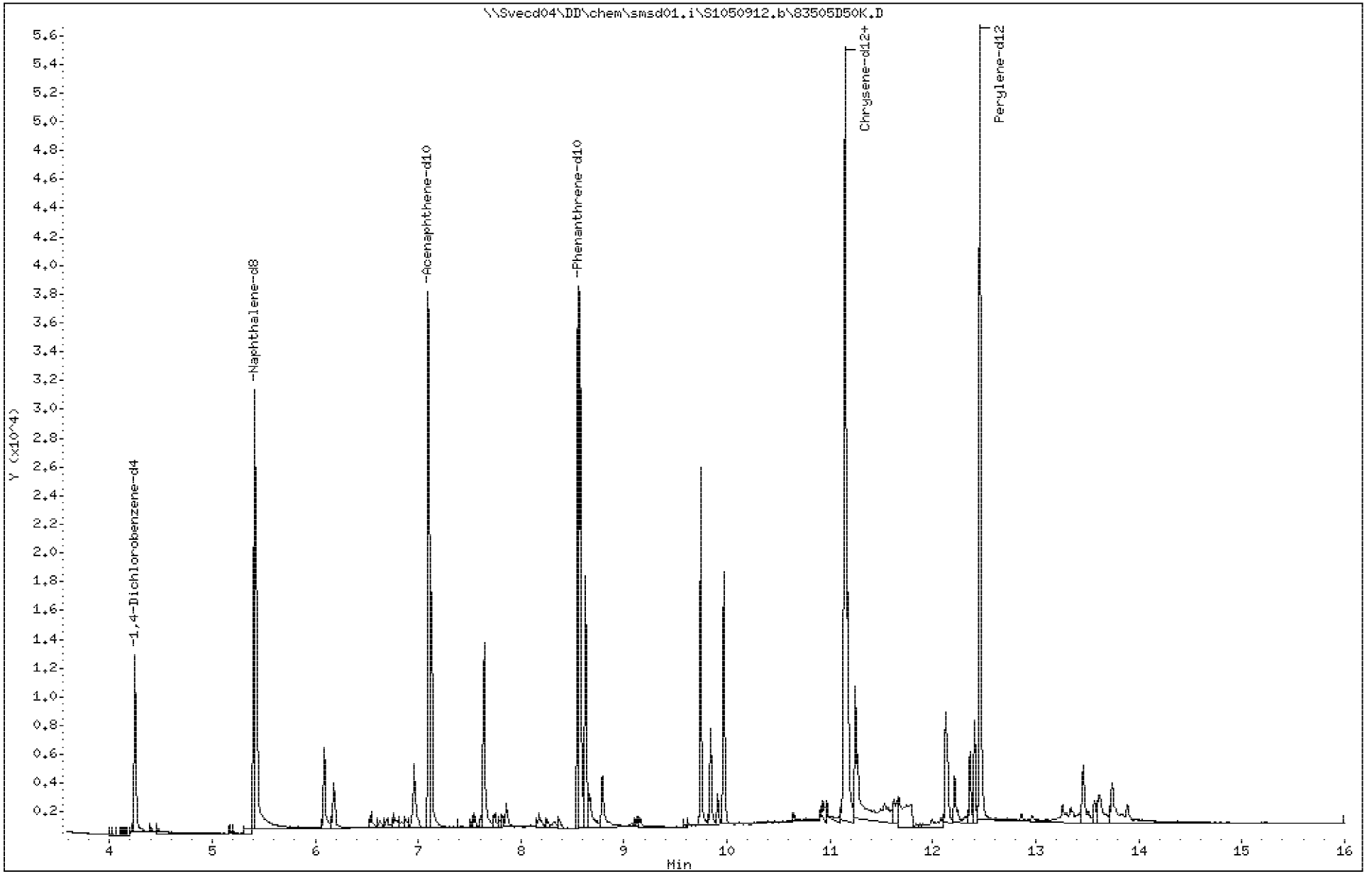
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\83505D50K.D
Date : 09-MAY-2012 14:42
Client ID: EPAFMC-SD-05
Sample Info: SIM350583505

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

854

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\83506D50K.D
Lab Smp Id: 350583506 Client Smp ID: EPAFMC-SD-06
Inj Date : 09-MAY-2012 15:07 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583506
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMBCSTR.m
Meth Date : 09-May-2012 12:40 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 19
Dil Factor: 50000.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	50000.000	Dilution Factor
Ws	5.190	Weight of sample extracted (g)
M	33.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253 (1.000)		152	8825	0.80000		80.00- 120.00	100.00
4.249	4.253 (1.000)		115	5134			32.50- 92.50	58.18
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406 (1.000)		136	32340	0.80000		80.00- 120.00	100.00
5.406	5.406 (1.000)		68	1185			0.00- 34.01	3.66
6 Naphthalene						CAS #: 91-20-3		
5.429	5.429 (1.004)		128	27077	0.62046	8960000	80.00- 120.00	100.00
5.429	5.429 (1.004)		129	2784			0.00- 40.52	10.28
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.093	6.093 (1.127)		142	4731	0.16874	2440000	80.00- 120.00	100.00
6.082	6.093 (1.125)		141	4080			56.36- 116.36	86.24
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177 (1.143)		142	2625	0.09043	1310000	80.00- 120.00	100.00
6.177	6.177 (1.143)		141	2137			49.28- 109.28	81.41

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	3487	0.07030	1020000	80.00- 120.00	100.00(M)
6.964	6.964	(0.980)	151	877			0.00- 49.78	25.15
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	21834	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	20616			64.70- 124.70	94.42
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	6279	0.19089	2760000	80.00- 120.00	100.00
7.131	7.131	(1.004)	154	5539			60.47- 120.47	88.21
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	8417	0.22460	3240000	80.00- 120.00	100.00
7.641	7.641	(1.076)	165	8234			64.52- 124.52	97.83
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	38326	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2392			0.00- 36.97	6.24
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	31873	0.61074	8820000	80.00- 120.00	100.00
8.575	8.575	(1.002)	179	4850			0.00- 45.15	15.22
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	15842	0.40078	5790000	80.00- 120.00	100.00
8.627	8.626	(1.008)	179	2146			0.00- 45.16	13.55
21 Fluoranthene						CAS #: 206-44-0		
9.748	9.748	(1.139)	202	23506	0.38675	5590000	80.00- 120.00	100.00
9.741	9.748	(1.139)	101	1718			0.00- 38.08	7.31
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	15291	0.22573	3260000	80.00- 120.00	100.00
9.967	9.967	(0.894)	200	3165			0.00- 50.73	20.70
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	9770	0.16946	2450000	80.00- 120.00	100.00
11.134	11.140	(0.999)	229	2546			0.00- 50.51	26.06
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.146	11.146	(1.000)	240	46542	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3403			0.00- 37.78	7.31
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	11641	0.17857	2580000	80.00- 120.00	100.00(M)
11.172	11.171	(1.002)	226	3575			0.00- 58.50	30.71
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.128	12.124	(0.973)	252	7927	0.12358	1780000	80.00- 120.00	100.00(M)
12.128	12.124	(0.973)	253	1653			0.00- 51.26	20.85
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.139	12.146	(0.974)	252	4860	0.06054	874000	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	31 Benzo[k]fluoranthene (continued)							
12.142	12.146	(0.975)	253	1070			0.00- 53.27	22.03
	32 Benzo[a]pyrene					CAS #: 50-32-8		
12.406	12.402	(0.996)	252	6614	0.10986	1590000	80.00- 120.00	100.00
12.406	12.402	(0.996)	253	1508			0.00- 53.07	22.81
*	33 Perylene-d12					CAS #: 1520-96-3		
12.458	12.454	(1.000)	264	47079	0.80000		80.00- 120.00	100.00
12.458	12.454	(1.000)	260	10250			0.00- 52.55	21.77
	34 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.461	13.454	(1.081)	276	3781	0.05085	734000	80.00- 120.00	100.00
13.457	13.454	(1.080)	138	552			0.00- 49.54	14.60
	35 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.465	13.465	(1.081)	278	1221	0.02063	298000	80.00- 120.00	100.00
13.457	13.465	(1.080)	139	142			0.00- 43.05	11.69
	36 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.745	13.737	(1.103)	276	3252	0.04977	719000	80.00- 120.00	100.00
13.741	13.737	(1.103)	138	536			0.00- 46.66	16.49

QC Flag Legend

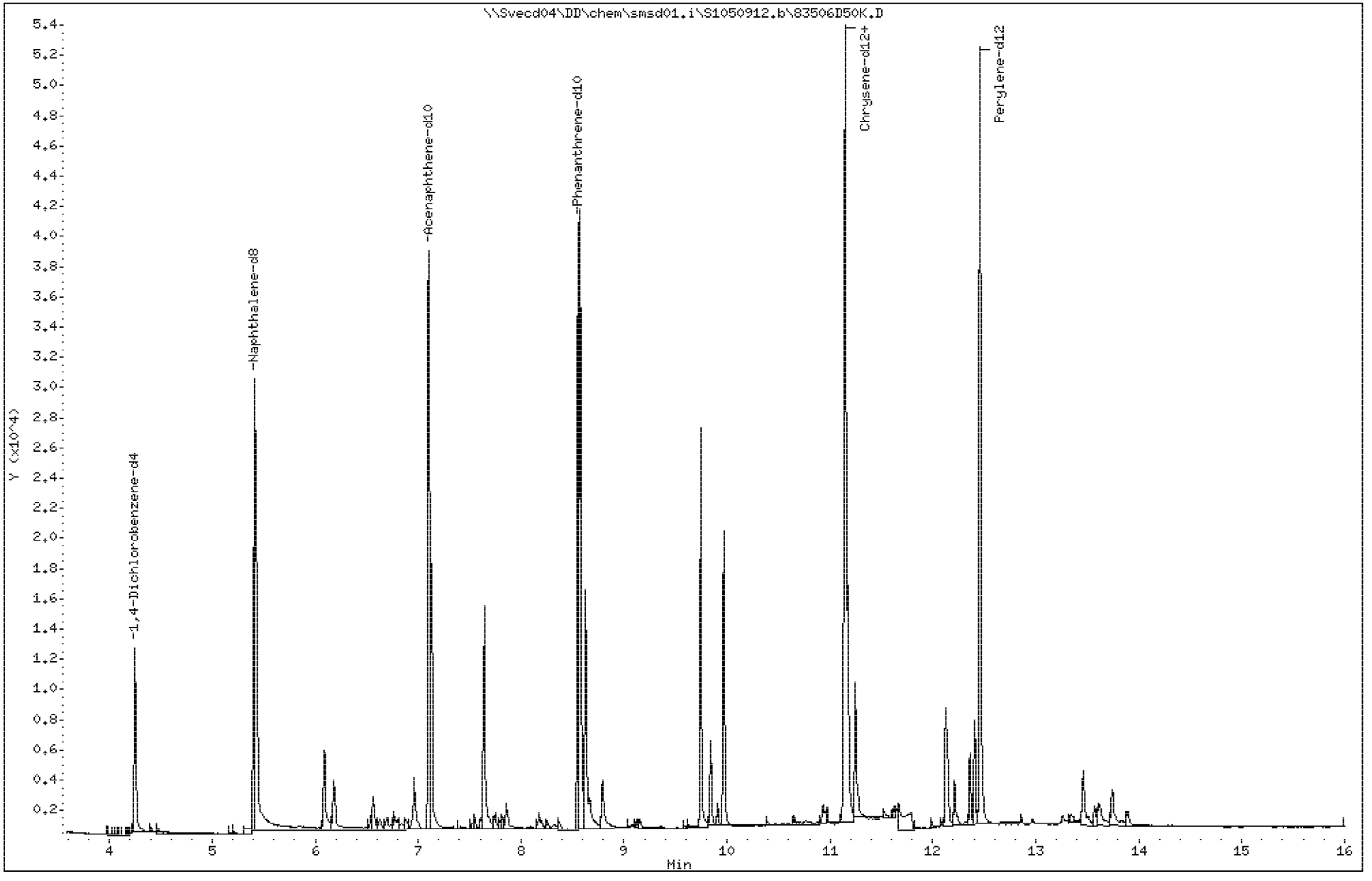
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\83506D50K.D
Date : 09-MAY-2012 15:07
Client ID: EPAFMC-SD-06
Sample Info: SIM350583506

Instrument: smsd01.i
Operator:
Column phase: HP5MS-5
Column diameter: 0.25

858

3505835



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd01.i\S1050912.b\83508D200.D
Lab Smp Id: 350583508 Client Smp ID: EPAFMC-SD-01SD
Inj Date : 09-MAY-2012 15:32 MS Autotune Date: 19-MAR-2012 07:15
Operator : Inst ID: smsd01.i
Smp Info : SIM350583508
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd01.i\S1050912.b\SIMBCSTR.m
Meth Date : 09-May-2012 12:40 mjacobs Quant Type: ISTD
Cal Date : 07-MAY-2012 10:01 Cal File: SIMCAL6.D
Als bottle: 20 QC Sample: MSD
Dil Factor: 200.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	200.000	Dilution Factor
Ws	25.530	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 3 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.254	4.253 (1.000)		152	8818	0.80000		80.00- 120.00	100.00
4.249	4.253 (1.000)		115	5091			32.50- 92.50	57.74
* 5 Naphthalene-d8						CAS #: 1146-65-2		
5.406	5.406 (1.000)		136	32135	0.80000		80.00- 120.00	100.00
5.406	5.406 (1.000)		68	1106			0.00- 34.01	3.44
6 Naphthalene						CAS #: 91-20-3		
5.430	5.429 (1.004)		128	4014	0.09257	1070	80.00- 120.00	100.00(R)
5.430	5.429 (1.004)		129	396			0.00- 40.52	9.89
8 2-Methylnaphthalene						CAS #: 91-57-6		
6.093	6.093 (1.127)		142	1070	0.03841	445	80.00- 120.00	100.00(R)
6.093	6.093 (1.127)		141	934			56.36- 116.36	87.29
9 1-Methylnaphthalene						CAS #: 90-12-0		
6.177	6.177 (1.143)		142	753	0.02611	302	80.00- 120.00	100.00(R)
6.177	6.177 (1.143)		141	664			49.28- 109.28	88.21

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
12 Acenaphthylene						CAS #: 208-96-8		
6.964	6.964	(0.980)	152	14544	0.29678	3440	80.00- 120.00	100.00(R)
6.955	6.964	(0.979)	151	2958			0.00- 49.78	20.34
* 13 Acenaphthene-d10						CAS #: 15067-26-2		
7.105	7.105	(1.000)	164	21572	0.80000		80.00- 120.00	100.00
7.096	7.105	(1.000)	162	19674			64.70- 124.70	91.20
14 Acenaphthene						CAS #: 83-32-9		
7.131	7.131	(1.004)	153	6147	0.18915	2190	80.00- 120.00	100.00(R)
7.131	7.131	(1.004)	154	5621			60.47- 120.47	91.43
16 Fluorene						CAS #: 86-73-7		
7.641	7.641	(1.076)	166	11929	0.32218	3730	80.00- 120.00	100.00(R)
7.641	7.641	(1.076)	165	11542			64.52- 124.52	96.75
* 17 Phenanthrene-d10						CAS #: 1517-22-2		
8.555	8.555	(1.000)	188	39234	0.80000		80.00- 120.00	100.00
8.549	8.555	(1.000)	94	2464			0.00- 36.97	6.28
18 Phenanthrene						CAS #: 85-01-8		
8.575	8.575	(1.002)	178	72135	1.35025	15600	80.00- 120.00	100.00(R)
8.575	8.575	(1.002)	179	10798			0.00- 45.15	14.97
19 Anthracene						CAS #: 120-12-7		
8.627	8.626	(1.008)	178	46601	1.15166	13300	80.00- 120.00	100.00(R)
8.627	8.626	(1.008)	179	5965			0.00- 45.16	12.80
21 Fluoranthene						CAS #: 206-44-0		
9.742	9.748	(1.139)	202	249215	4.00546	46400	80.00- 120.00	100.00(R)
9.742	9.748	(1.139)	101	17931			0.00- 38.08	7.20
22 Pyrene						CAS #: 129-00-0		
9.967	9.967	(0.894)	202	170009	2.53058	29300	80.00- 120.00	100.00(R)
9.967	9.967	(0.894)	200	34950			0.00- 50.73	20.56
25 Benzo[a]anthracene						CAS #: 56-55-3		
11.134	11.140	(0.999)	228	120668	2.11044	24400	80.00- 120.00	100.00(R)
11.134	11.140	(0.999)	229	28639			0.00- 50.51	23.73
* 26 Chrysene-d12						CAS #: 1719-03-5		
11.147	11.146	(1.000)	240	46158	0.80000		80.00- 120.00	100.00
11.140	11.146	(1.000)	120	3409			0.00- 37.78	7.39
27 Chrysene						CAS #: 218-01-9		
11.172	11.171	(1.002)	228	111472	1.72416	20000	80.00- 120.00	100.00(R)
11.172	11.171	(1.002)	226	33753			0.00- 58.50	30.28
30 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.124	12.124	(0.973)	252	116196	1.86285	21600	80.00- 120.00	100.00(R)
12.124	12.124	(0.973)	253	24559			0.00- 51.26	21.14
31 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.142	12.146	(0.975)	252	44968	0.57609	6680	80.00- 120.00	100.00(RM)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
31 Benzo[k]fluoranthene (continued)								
12.131	12.146	(0.974)	253	15443			0.00- 53.27	34.34
32 Benzo[a]pyrene						CAS #: 50-32-8		
12.402	12.402	(0.996)	252	75131	1.28333	14900	80.00- 120.00	100.00(R)
12.402	12.402	(0.996)	253	17356			0.00- 53.07	23.10
* 33 Perylene-d12						CAS #: 1520-96-3		
12.454	12.454	(1.000)	264	45781	0.80000		80.00- 120.00	100.00
12.454	12.454	(1.000)	260	9997			0.00- 52.55	21.84
34 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.454	13.454	(1.080)	276	38399	0.53107	6150	80.00- 120.00	100.00(R)
13.450	13.454	(1.080)	138	6135			0.00- 49.54	15.98
35 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.461	13.465	(1.081)	278	14276	0.24802	2870	80.00- 120.00	100.00(RM)
13.457	13.465	(1.081)	139	1461			0.00- 43.05	10.23
36 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.737	13.737	(1.103)	276	32040	0.50421	5840	80.00- 120.00	100.00(R)
13.734	13.737	(1.103)	138	4976			0.00- 46.66	15.53

QC Flag Legend

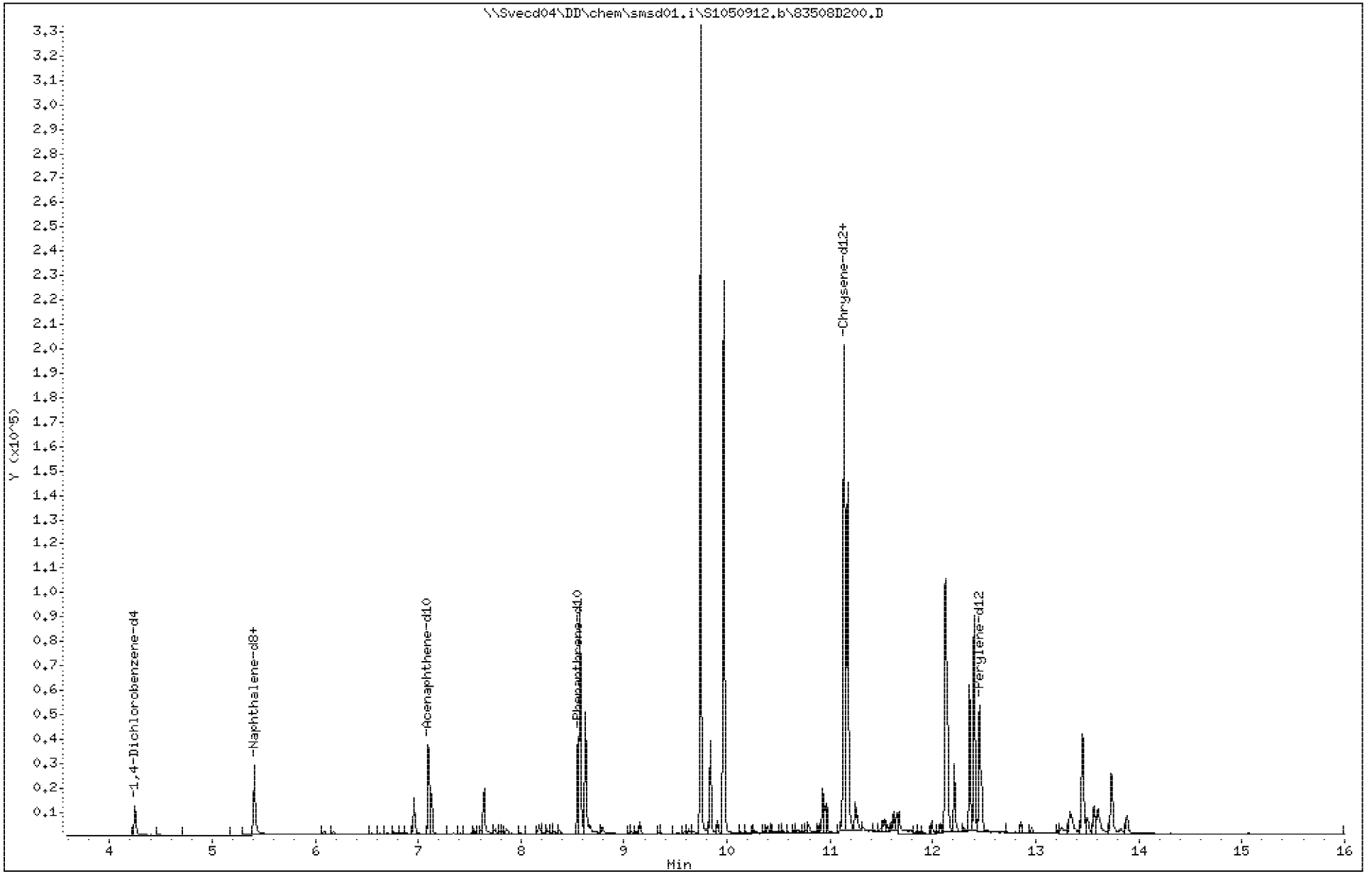
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd01.i\S1050912.b\83508D200.D
Date : 09-MAY-2012 15:32
Client ID: EPAFMC-SD-01SD
Sample Info: SIM350583508

Instrument: smsd01.i
Operator:
Column phase: HPMS-5
Column diameter: 0.25

862

3505835



Raw Data Method 8270

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8270

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
DFT1072995 *	45777	SMSD0304/23/12-1928~S3042312	DFTPP2.D	S3042312	1	SMSD03	04/23/12 10:03	1
STD1072999 *	45921	SMSD0304/23/12-1928~S3042312	8270CAL7.D	S3042312	1	SMSD03	04/23/12 10:23	1
STD1073000 *	45922	SMSD0304/23/12-1928~S3042312	8270CAL6.D	S3042312	1	SMSD03	04/23/12 10:47	1
STD1073001 *	45923	SMSD0304/23/12-1928~S3042312	8270CAL5.D	S3042312	1	SMSD03	04/23/12 11:10	1
STD1073002 *	45924	SMSD0304/23/12-1928~S3042312	8270CAL4.D	S3042312	1	SMSD03	04/23/12 11:34	1
STD1073004 *	45925	SMSD0304/23/12-1928~S3042312	8270CAL3.D	S3042312	1	SMSD03	04/23/12 11:58	1
STD1073005 *	45926	SMSD0304/23/12-1928~S3042312	8270CAL2.D	S3042312	1	SMSD03	04/23/12 12:21	1
STD1073006 *	45927	SMSD0304/23/12-1928~S3042312	8270CAL1.D	S3042312	1	SMSD03	04/23/12 12:45	1
SSC1072998 *	45872	SMSD0304/23/12-1928~S3042312	8270SEC2.D	S3042312	1	SMSD03	04/23/12 13:33	1
STD1073007 *	45933	SMSD0304/23/12-1928~S3042312	BSCAL7.D	S3042312	1	SMSD03	04/23/12 13:56	1
STD1073008 *	45934	SMSD0304/23/12-1928~S3042312	BSCAL6.D	S3042312	1	SMSD03	04/23/12 14:20	1
STD1073009 *	45935	SMSD0304/23/12-1928~S3042312	BSCAL5.D	S3042312	1	SMSD03	04/23/12 14:44	1
STD1073010 *	45936	SMSD0304/23/12-1928~S3042312	BSCAL4.D	S3042312	1	SMSD03	04/23/12 15:07	1
STD1073012 *	45937	SMSD0304/23/12-1928~S3042312	BSCAL3.D	S3042312	1	SMSD03	04/23/12 15:31	1
STD1073013 *	45938	SMSD0304/23/12-1928~S3042312	BSCAL2.D	S3042312	1	SMSD03	04/23/12 15:55	1
STD1073014 *	45939	SMSD0304/23/12-1928~S3042312	BSCAL1.D	S3042312	1	SMSD03	04/23/12 16:19	1
SSC1072994 *	44859	SMSD0304/23/12-1928~S3042312	BSSEC.D	S3042312	1	SMSD03	04/23/12 16:42	1
STD1073015 *	45955	SMSD0304/23/12-1928~S3042312	AP9CAL7.D	S3042312	1	SMSD03	04/23/12 17:06	1
STD1073016 *	45956	SMSD0304/23/12-1928~S3042312	AP9CAL6.D	S3042312	1	SMSD03	04/23/12 17:30	1
STD1073017 *	45957	SMSD0304/23/12-1928~S3042312	AP9CAL5.D	S3042312	1	SMSD03	04/23/12 17:53	1
STD1073018 *	45958	SMSD0304/23/12-1928~S3042312	AP9CAL4.D	S3042312	1	SMSD03	04/23/12 18:17	1
STD1073020 *	45959	SMSD0304/23/12-1928~S3042312	AP9CAL3.D	S3042312	1	SMSD03	04/23/12 18:41	1
STD1073021 *	45960	SMSD0304/23/12-1928~S3042312	AP9CAL2.D	S3042312	1	SMSD03	04/23/12 19:04	1
STD1073022 *	45961	SMSD0304/23/12-1928~S3042312	AP9CAL1.D	S3042312	1	SMSD03	04/23/12 19:28	1
SSC1072993 *	44612	SMSD0304/23/12-1928~S3042312	AP9SEC2.D	S3042312	1	SMSD03	04/23/12 20:15	1
DFT1074004 *	45777	SMSD0304/23/12-1928~S3042312	DFTPP2.D	S3042612	1	SMSD03	04/26/12 10:48	1
CCV1074000 *	45924	SMSD0304/23/12-1928~S3042312	8270CCV1.D	S3042612	1	SMSD03	04/26/12 11:08	1
CCV1074002 *	45936	SMSD0304/23/12-1928~S3042312	BSCCV1.D	S3042612	1	SMSD03	04/26/12 11:32	1

* Sample IDs for calibration items are system generated

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8270

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
CCV1074001 *	45958	SMSD0304/23/12-1928~S3042312	AP9CCV1.D	S3042612	1	SMSD03	04/26/12 11:55	1
127239MB	127239MB	SMSD0304/23/12-1928~S3042312	9188MB.D	S3042612	1	SMSD03	04/26/12 12:19	1
127240LCS	127240LCS	SMSD0304/23/12-1928~S3042312	9188LCS.D	S3042612	1	SMSD03	04/26/12 12:43	1
EPAFMC-SD-01	350583501	SMSD0304/23/12-1928~S3042312	83501.D	S3042612	1	SMSD03	04/26/12 15:30	1
EPAFMC-SD-04	350583504	SMSD0304/23/12-1928~S3042312	83504.D	S3042612	1	SMSD03	04/26/12 16:42	1
EPAFMC-SD-02DL1	350583502DL1	SMSD0304/23/12-1928~S3042312	83502D25.D	S3042612	1	SMSD03	04/26/12 17:36	25
EPAFMC-SD-06DL1	350583506DL1	SMSD0304/23/12-1928~S3042312	83506DQ.D	S3042612	1	SMSD03	04/26/12 18:23	250
EPAFMC-SD-05DL1	350583505DL1	SMSD0304/23/12-1928~S3042312	83505DQ.D	S3042612	1	SMSD03	04/26/12 18:47	250
EPAFMC-SD-01MS	350583507	SMSD0304/23/12-1928~S3042312	83507D5.D	S3042612	1	SMSD03	04/26/12 19:10	5
EPAFMC-SD-01SD	350583508	SMSD0304/23/12-1928~S3042312	83508D5.D	S3042612	1	SMSD03	04/26/12 19:34	5
EPAFMC-SD-03	350583503	SMSD0304/23/12-1928~S3042312	83503.D	S3042612	1	SMSD03	04/26/12 19:58	2
EPAFMC-SD-02	350583502	SMSD0304/23/12-1928~S3042312	83502.D	S3042612	1	SMSD03	04/26/12 20:21	5
EPAFMC-SD-05	350583505	SMSD0304/23/12-1928~S3042312	83505.D	S3042612	1	SMSD03	04/26/12 20:45	50
EPAFMC-SD-06	350583506	SMSD0304/23/12-1928~S3042312	83506.D	S3042612	1	SMSD03	04/26/12 21:08	50

* Sample IDs for calibration items are system generated

mjacobs 5/2/2012 2:01:12 PM

Extraction Method	3545

Extraction Log 8270 Soil Ext

Batch ID 9188

Start: 4/25/2012 12:00:00 PM
End: 4/25/2012 7:03:27 PM

Water Bath Temp: 70 °C

Thermometer ID: stb a **Balance ID:** P35923

Final

Batch ID: 9188

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350580101	5	V4-RDW-01-2-6-7	4/19/2012 4:00:00 PM	SAMPLE	none	brown	soil	25.66 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350580102	5	V4-RDW-3-4-5	4/19/2012 4:06:00 PM	SAMPLE	none	brown	soil	25.07 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350580103	5	V2-RDW-01	4/19/2012 4:30:00 PM	SAMPLE	none	brown	soil	25.39 G	11 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350581701	5	PX-S05-SS01-0412	4/20/2012 10:30:00 AM	SAMPLE	none	brown	soil	25.15 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350581702	4	PX-S05-SS02-0412	4/20/2012 10:55:00 AM	SAMPLE	none	brown	soil	25.61 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350581703	5	PX-S05-SS03-0412	4/20/2012 11:07:00 AM	SAMPLE	none	brown	soil	25.01 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583501	1	EPAFMC-SD-01	4/23/2012 1:35:00 PM	SAMPLE	none	brown	soil	25.99 G	11 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583502	2	EPAFMC-SD-02	4/23/2012 1:45:00 PM	SAMPLE	none	brown	soil	25.3 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583503	2	EPAFMC-SD-03	4/23/2012 1:55:00 PM	SAMPLE	none	brown	soil	25.05 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na

350585835

866

Batch ID: 9188

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350583504	1	EPAFMC-SD-04	4/23/2012 2:10:00 PM	SAMPLE	none	brown	soil	25.23 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583505	1	EPAFMC-SD-05	4/23/2012 2:20:00 PM	SAMPLE	unknow	brown	soil	25.47 G	14 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583506	1	EPAFMC-SD-06	4/23/2012 2:25:00 PM	SAMPLE	unknow	brown	soil	25.99 G	14 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
350583507	1	EPAFMC-SD-01MS	4/23/2012 1:35:00 PM	MS	none	brown	soil	25.87 G	1 mL		250uL 8270_BNA_SPK: 45866 @ 160 ug/mL; 250uL AP-9wkg_spk: 45435 @ AP9 160 ug/ml; 250uL SOWwkg_spk: 45434 @ 160ug/ml ; 0.5ml		na
350583508	1	EPAFMC-SD-01SD	4/23/2012 1:35:00 PM	MSD	none	brown	soil	25.78 G	1 mL		250uL 8270_BNA_SPK: 45866 @ 160 ug/mL; 250uL AP-9wkg_spk: 45435 @ AP9 160 ug/ml; 250uL SOWwkg_spk: 45434 @ 160ug/ml ; 0.5ml		na
127239MB		127239MB		MB	none	tan	sand	20.11 G	1 mL		0.5mL 8270_BNA-Surr_ST: 44367 @ 100:200 ug/mL;		na
127240LCS		127240LCS		LCS	none	tan	sand	20.5 G	1 mL		250uL 8270_BNA_SPK: 45866 @ 160 ug/mL; 250uL AP-9wkg_spk: 45435 @ AP9 160 ug/ml; 250uL SOWwkg_spk: 45434 @ 160ug/ml ; 0.5ml		na

3005835

867

Batch ID: 9188

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent 45850

Final Solvent 45850

Cellulose Filter 42629

NaSO4 45853

Sand 45855

Name: Tammy Reuter Title: Prep Tech 4/25/2012 7:03:27 PM

Analyst Posted treuter Date

Signature:

Name: Duffie Young Title: Lab Technician 4/26/2012 7:33:55 AM

Peer Reviewed dyoung Date

Signature:

Name: Mark Jacobs Title: Chemist 4/27/2012 10:

Analyst Reviewed mjacobs Date

3505835

Comments:

Sample Comments

Lab ID	Client ID	Comments
127239MB	127239MB	
127240LCS	127240LCS	
350580101	V4-RDW-01-2-6-7	
350580102	V4-RDW-3-4-5	
350580103	V2-RDW-01	dil with 10ml DCM
350581701	PX-S05-SS01-0412	
350581702	PX-S05-SS02-0412	
350581703	PX-S05-SS03-0412	

868

Batch ID: 9188

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350583501		EPAFMC-SD-01		dil with 10ml DCM									
350583502		EPAFMC-SD-02											
350583503		EPAFMC-SD-03											
350583504		EPAFMC-SD-04											
350583505		EPAFMC-SD-05		dil 10ml DCM, 4ml starting									
350583506		EPAFMC-SD-06		dil 10ml DCM, 4ml starting									
350583507		EPAFMC-SD-01MS											
350583508		EPAFMC-SD-01SD											

3505835

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
36199	8270_AP9MIX2	CPI	163078	8/21/2013	1 ML	8/19/2010	jacker

2000 MG/L: 0,0,0-Triethylphosphorothioate, 1-Naphthylamine, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, a,a-Dimethylphenethylamine, Aramite, Diallate (Avadex), Isodrin, Methapyriline, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Phenacetin, p-Phenylenediamine, Pronamide

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
36863	8310_CALMX5_STK	RESTEK - 31011	A064851	1/31/2016	1 ML	9/20/2010	jacker

2000 UG/ML: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40392	8270_BENZID_STK	Ultra Scientific	CG-3908	12/31/2012	1 ML	3/23/2011	jacker

2000 UG/ML: 3,3'-Dichlorobenzidine, Benzidine

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40400	8270AP9Mix1_UltSTK	Ultra - SPCT-305	CH-0586	3/31/2013	1 ML	3/23/2011	jacker

1000 MG/L: 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 3-Methylcholanthrene, 7,12-Dimethylbenz(a)anthracene, Acetophenone, Chlorobenzilate, Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isosafrole, Kepone, Methylmethanesulfonate, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Safrole

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42031	8270_DFTPP_STK_1	NSI C-491	C-491-09	7/31/2012	1.5 ML	6/21/2011	mjacobs

500 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42251	8270_TOXMIX2_STK	Ultra Scientific - US	CH-1651	6/30/2014	1 ML	7/12/2011	jacker

2000 UG/ML: 2-Methylnaphthalene, 2-Nitroaniline, 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Aniline, Benzyl alcohol, Dibenzofuran

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
42256	8270_ACDSURR_STK	Ultra Scientific-ISM-	CC-2529Z	12/31/2012	1 ML	7/12/2011	jacker

2000 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43322	8270_AP9Mix1_NSISTK	NSI Q-5238	100608-01	2/28/2013	1 ML	10/7/2011	mjacobs

1000 MG/L: 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 3-Methylcholanthrene, 7,12-Dimethylbenz(a)anthracene, Acetophenone, Chlorobenzilate, Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isosafrole, Kepone, Methylmethanesulfonate, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Safrole

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43662	8270_IS_STK	Mitkem	SI111027a	10/27/2012	10 ML	11/1/2011	cabadia

2000 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43663	8270_IS_STK	Mitkem	SI111027a	10/27/2012	10 ML	11/1/2011	cabadia

2000 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43664	8270_IS_STK	Mitkem	SI111027a	10/27/2012	10 ML	11/1/2011	cabadia

2000 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44066	8270_SEC_STK	NSI Q-2945	120511-25	12/5/2012	1 ML	12/8/2011	cabadia

150 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
300 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44389	8270_AP9Mix2_NSISTK	NSI V-721	C-721-01	6/30/2012	1 ML	1/3/2012	NSUBAR

2000 MG/L: 0,0,0-Triethylphosphorothioate, 1-Naphthylamine, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, a,a-Dimethylphenethylamine, Aramite, Diallate (Avadex), Isodrin, Methapyriline, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Phenacetin, p-Phenylenediamine, Pronamide

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44393	8270_Pyri_STK	NSI (W-271-06)	271-06-04	11/30/2013	1 ML	1/3/2012	NSUBAR

5000 UG/ML: Pyridine

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44394	8270_SOWSEC_STK	NSI Solutions C-60	C-601-13	8/31/2013	1 ML	1/3/2012	NSUBAR

2000 UG/ML: 1,1'-Biphenyl, Acetophenone, Atrazine, Benzaldehyde, Caprolactam

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44406	8270_BNMIX2_STK	Ultra Scientific US-1	CH-1791	7/31/2012	1 ml	1/4/2012	cabadia

2000 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, Azobenzene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Isophorone, Nitrobenzene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44410	8270_PHENOL_STK	Ultra Scientific US-	CE-1838Z	9/30/2013	1 ML	1/4/2012	cabadia

2000 UG/ML: 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, 4-Chloro-3-methylphenol, 4-Nitrophenol, Pentachlorophenol, Phenol

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44455	8270_BNMIX1_STK	ChemService PP-H	462-77A	2/27/2013	1 ML	1/5/2012	cabadia

2000 UG/ML: 2,2'-Oxybis(1-chloropropane), 4-Bromophenyl-phenylether, 4-Chlorophenyl-phenylether, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44596	DCM	Honeywell	DF388	2/11/2013	200 L	1/11/2012	treuter

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44612	8270_AP9SEC			6/30/2012	1 ML	1/16/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole

COMPOSED OF:

43322: 45 UL 43663: 20 UL 44389: 22.5 UL 44596: 932.5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44815	DCM	Honeywell	DF388	1/30/2013	200 L	1/30/2012	TREUTER

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44859	8270_SEC_WKG			8/1/2012	1 ML	2/1/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

COMPOSED OF:

40392: 22.5 UL 43663: 20 UL 44394: 22.5 UL 44815: 955 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44973	8270_SOW_STK	SUPELCO - 47514-	LB84222	4/30/2013	1 UG/	2/9/2012	cabadia

2000 UG/ML: 1,1'-Biphenyl, Acetophenone, Atrazine, Benzaldehyde, Caprolactam

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45158	8310_AS1MN_STK	AccuStandard S-51	B6040092-1B	2/22/2014	1 ML	2/27/2012	cabadia

2000 UG/ML: 1-Methylnaphthalene

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45548	DCM	Honeywell	DF740	3/28/2013	200 L	3/28/2012	dyoung

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45689	8270BNSURRSTK	NSI Solutions, Inc.	C-376-49	1/31/2014	1 ML	4/5/2012	cabadia

5000 UG/ML: 2-Fluorobiphenyl, Nitrobenzene-d5, p-Terphenyl-d14

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45713	8270_CARBZ_STK	SUPELCO 48076	LB79967	11/30/2013	1 UG/	4/5/2012	cabadia

2000 UG/ML: Carbazole

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45747	8270_TOXMIX1_STK	Ultra Scientific US-1	CG-1823	6/30/2013	1 ML	4/9/2012	cabadia

2000 UG/ML: 2,4,5-Trichlorophenol, 2-Methylphenol, 4-Methylphenol, Benzoic acid

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45777	DFTPP_std			7/31/2012	5 ML	4/10/2012	mjacobs

50 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

COMPOSED OF:

42031: 500 UL 45548: 4500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45850	DCM	Honeywell	DF914	4/16/2013	200 L	4/16/2012	treuter

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45872	8270_SEC_WKG			10/18/2012	1 ML	4/18/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzidine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
90 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

43662: 20 UL 44066: 300 UL 45850: 700 UL

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Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45919	8270_TOP			7/31/2012	5 ML	4/23/2012	mjacobs

100 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
200 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

36863: 250 UL 42251: 250 UL 42256: 500 UL 44393: 100 UL 44406: 250 UL 44410: 250 UL 44455: 250 UL 45158: 250 UL 45689: 100 UL 45713: 250 UL 45747: 250 UL 45850: 2.3 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45921	8270_CAL7			7/31/2012	1 ML	4/23/2012	mjacobs

100 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
200 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45919: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45922	8270_CAL6			7/31/2012	1 ML	4/23/2012	mjacobs

150 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
75 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine

COMPOSED OF:

43664: 20 UL 45850: 250 UL 45919: 750 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45923	8270_CAL5			7/31/2012	1 ML	4/23/2012	mjacobs

120 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
60 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine

COMPOSED OF:

43664: 20 UL 45850: 400 UL 45919: 600 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45924	8270_CAL4			7/31/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
90 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

43664: 20 UL 45850: 550 UL 45919: 450 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45925	8270_CAL3			7/31/2012	1 ML	4/23/2012	mjacobs

20 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
40 UG/ML: 1,4-Dichlorobenzene-d4, 2,4,6-Tribromophenol, 2-Fluorophenol, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10, Phenol-d5

COMPOSED OF:

43664: 20 UL 45850: 800 UL 45919: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45926	8270_CAL2			7/31/2012	1 ML	4/23/2012	mjacobs

10 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
20 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 900 UL 45919: 100 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45927	8270_CAL1			7/31/2012	1 ML	4/23/2012	mjacobs

4 UG/ML: 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1-Methylnaphthalene, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Fluorobiphenyl, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl-phenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenyl-phenylether, 4-Methylphenol, 4-Nitroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Aniline, Anthracene, Azobenzene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Benzoic acid, Benzyl alcohol, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenzo(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Nitrobenzene-d5, N-Nitrosodimethylamine, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene, Phenol, p-Terphenyl-d14, Pyrene, Pyridine
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
8 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

COMPOSED OF:

43664: 20 UL 45850: 960 UL 45919: 40 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45932	8270_TOP			10/23/2012	5 ML	4/23/2012	mjacobs

100 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

COMPOSED OF:

40392: 250 UL 44973: 250 UL 45850: 4500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45933	8270_CAL7			10/23/2012	1 ML	4/23/2012	mjacobs

100 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45932: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45934	8270_CAL6			10/23/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
75 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

STANDARDS LOG

COMPOSED OF:

43664: 20 UL 45850: 250 UL 45932: 750 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45935	8270_CAL5			10/23/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
60 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

COMPOSED OF:

43664: 20 UL 45850: 400 UL 45932: 600 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45936	8270_CAL4			10/23/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

COMPOSED OF:

43664: 20 UL 45850: 550 UL 45932: 450 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45937	8270_CAL3			10/23/2012	1 ML	4/23/2012	mjacobs

20 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 800 UL 45932: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45938	8270_CAL2			10/23/2012	1 ML	4/23/2012	mjacobs

10 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 900 UL 45932: 100 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45939	8270_CAL1			10/23/2012	1 ML	4/23/2012	mjacobs

4 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 960 UL 45932: 40 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45940	AP9_TOP			10/23/2012	5 ML	4/23/2012	mjacobs

100 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole

COMPOSED OF:

36199: 250 UL 40400: 500 UL 45850: 4250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45955	AP9_CAL7			10/23/2012	1 ML	4/23/2012	mjacobs

100 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 0 ML 45940: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45956	AP9_CAL6			10/23/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
75 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole

COMPOSED OF:

43664: 20 UL 45850: 250 UL 45940: 750 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45957	AP9_CAL5			10/23/2012	1 ML	4/23/2012	mjacobs

3505835

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
60 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole

COMPOSED OF:

43664: 20 UL 45850: 400 UL 45940: 600 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45958	AP9_CAL4			10/23/2012	1 ML	4/23/2012	mjacobs

40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10
45 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole

COMPOSED OF:

43664: 20 UL 45850: 550 UL 45940: 450 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45959	AP9_CAL3			10/23/2012	1 ML	4/23/2012	mjacobs

20 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 800 UL 45940: 200 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45960	AP9_CAL2			10/23/2012	1 ML	4/23/2012	mjacobs

3505835

10 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43664: 20 UL 45850: 900 UL 45940: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45961	AP9_CAL1			10/23/2012	1 ML	4/23/2012	mjacobs

4 UG/ML: 0,0,0-Triethylphosphorothioate, 1,2,4,5-Tetrachlorobenzene, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, 1,4-Naphthoquinone, 1-Naphthylamine, 2,3,4,6-Tetrachlorophenol, 2,6-Dichlorophenol, 2-Acetylaminofluorene, 2-Naphthylamine, 2-Picoline, 3,3'-Dimethylbenzidine, 3-Methylcholanthrene, 4-Aminobiphenyl, 4-Nitroquinoline-1-oxide, 5-Nitro-o-toluidine, 7,12-Dimethylbenz(a)anthracene, a,a-Dimethylphenethylamine, Acetophenone, Aramite, Chlorobenzilate, Diallate (Avadex), Dibenz(a,j)acridine, Dinoseb, Ethyl methanesulfonate, Hexachloropropene, Isodrin, Isosafrole, Kepone, Methapyriline, Methylmethanesulfonate, N-Nitrosodibutylamine, N-Nitrosodiethylamine, N-Nitrosomethylethylamine, N-Nitrosomorpholine, N-Nitrosopiperidine, N-Nitrosopyrrolidine, o-Toluidine, p-Dimethylaminoazobenzene, Pentachlorobenzene, Pentachloroethane, Pentachloronitrobenzene(PCNB), Phenacetin, p-Phenylenediamine, Pronamide, Safrole
40 UG/ML: 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Chrysene-d12, Naphthalene-d8, Perylene-d12, Phenanthrene-d10

COMPOSED OF:

43663: 20 UL 45850: 960 UL 45940: 40 UL

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\DFTPP2.D
Report Date: 25-Apr-2012 10:00

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\DFTPP2.D
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Inj Date : 23-APR-2012 10:03
Operator : PEL Inst ID: smsd03.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\DoDTUN.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

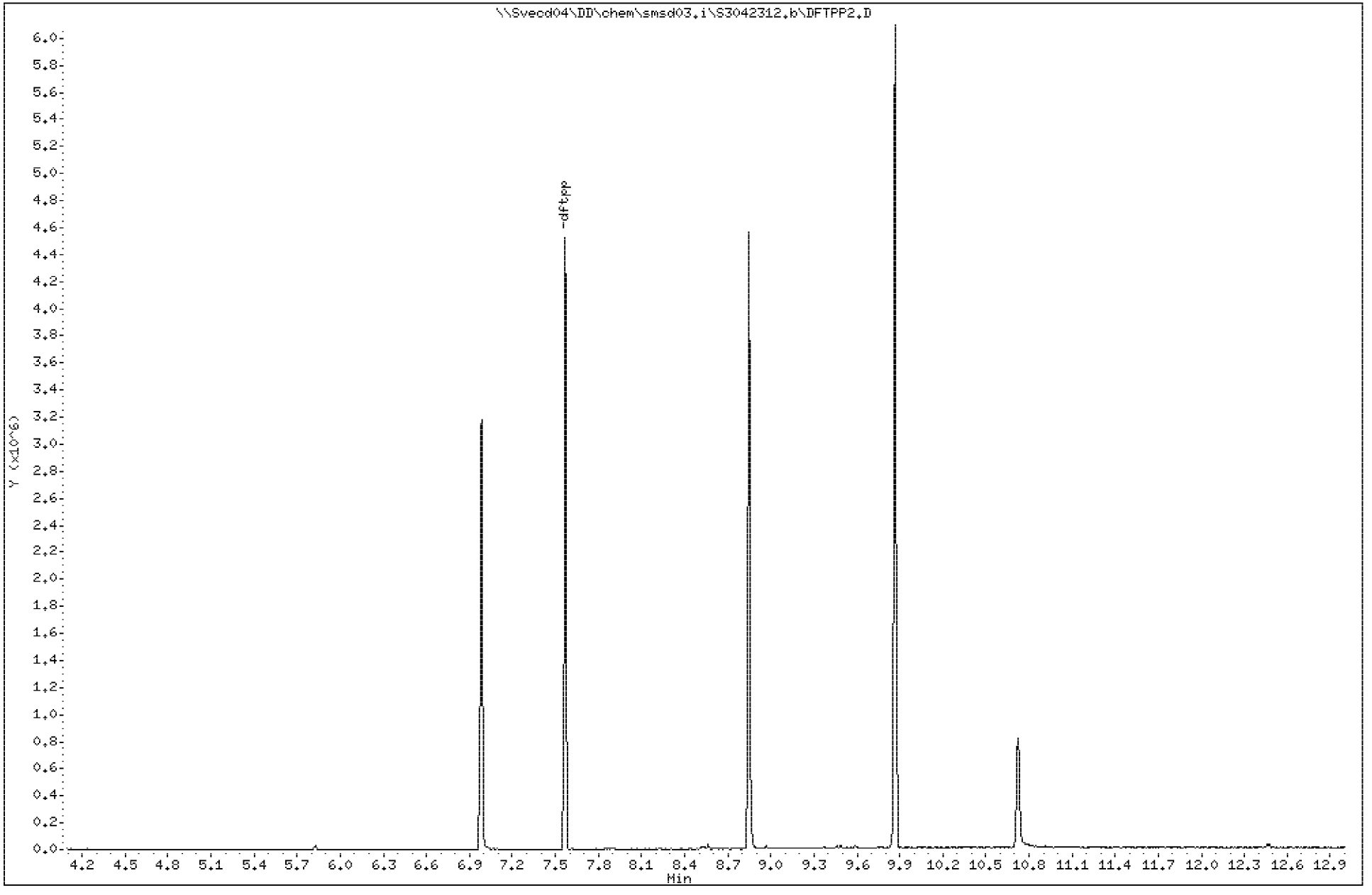
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.567	7.728	(0.000)	198	344704			0.00- 100.00	100.00
7.567	7.728	(0.000)	51	104160			10.00- 80.00	30.22
7.567	7.728	(0.000)	68	2221			0.00- 2.00	1.30
7.567	7.728	(0.000)	69	170304			0.00- 0.00	49.41
7.567	7.728	(0.000)	70	1411			0.00- 2.00	0.83
7.567	7.728	(0.000)	127	155456			10.00- 80.00	45.10
7.567	7.728	(0.000)	197	1301			0.00- 2.00	0.38
7.567	7.728	(0.000)	199	24088			5.00- 9.00	6.99
7.567	7.728	(0.000)	275	113728			10.00- 60.00	32.99
7.567	7.728	(0.000)	365	22552			1.00- 0.00	6.54
7.567	7.728	(0.000)	441	46584			0.01- 24.00	14.69
7.567	7.728	(0.000)	442	317120			50.00- 0.00	92.00
7.567	7.728	(0.000)	443	59536			15.00- 24.00	18.77

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\DFTPP2.D
Date : 23-APR-2012 10:03
Client ID: DFTPP2 Instrument: smsd03.i
Sample Info: 45777
Volume Injected (uL): 1.0 Operator: PEL
Column phase: Column diameter: 2.00

886



3505835

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Date : 23-APR-2012 10:03

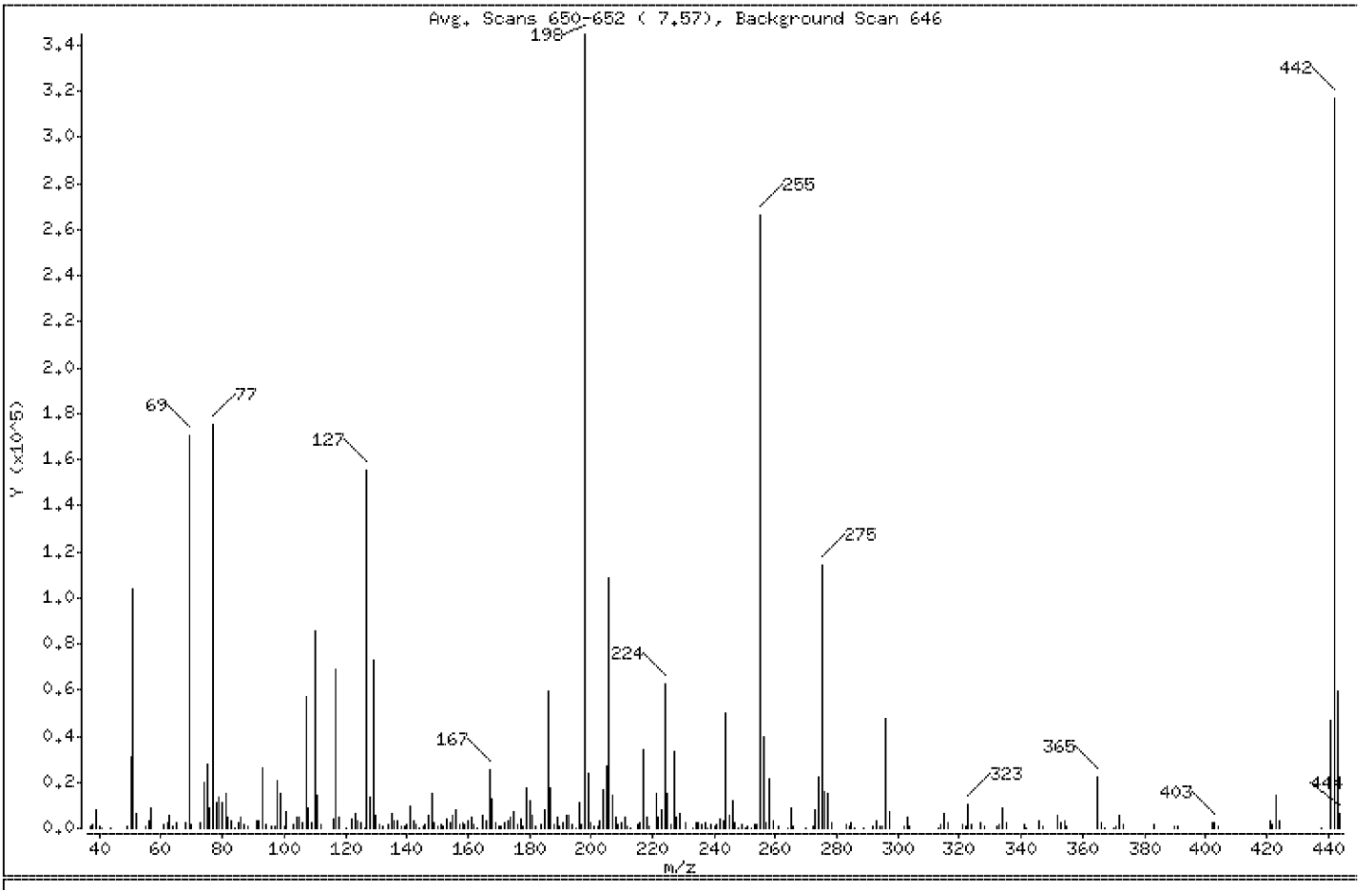
Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	30.22
68	Less than 2.00% of mass 69	0.64 (1.30)
69	Mass 69 relative abundance	49.41
70	Less than 2.00% of mass 69	0.41 (0.83)
127	10.00 - 80.00% of mass 198	45.10
197	Less than 2.00% of mass 198	0.38
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 60.00% of mass 198	32.99
365	Greater than 1.00% of mass 198	6.54
441	0.01 - 24.00% of mass 442	13.51 (14.69)
442	Greater than 50.00% of mass 198	92.00
443	15.00 - 24.00% of mass 442	17.27 (18.77)

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\DFTPP2.D

Date : 23-APR-2012 10:03

Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 650-652 (7.57), Background Scan 646
Location of Maximum: 198.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	589	127.00	155456	196.00	10704	273.00	8306
38.00	1689	128.00	13113	197.00	1301	274.00	22016
39.00	7956	129.00	72672	198.00	344704	275.00	113728
40.00	535	130.00	5600	199.00	24088	276.00	16119
41.00	284	131.00	1584	200.00	2091	277.00	14851
44.00	144	132.00	515	201.00	646	278.00	2563
49.00	1023	134.00	1794	202.00	618	283.00	1624
50.00	31128	135.00	6192	203.00	2919	284.00	967
51.00	104160	136.00	2905	204.00	16592	285.00	2168
52.00	6424	137.00	2966	205.00	27224	286.00	254
55.00	832	138.00	545	206.00	108192	289.00	229
56.00	3464	139.00	586	207.00	13916	292.00	669
57.00	8522	140.00	1385	208.00	4936	293.00	2892
61.00	1912	141.00	9733	209.00	1853	294.00	601
62.00	2008	142.00	3388	210.00	2239	295.00	825
63.00	5832	143.00	1779	211.00	4570	296.00	47528
64.00	1123	144.00	391	212.00	875	297.00	7191
65.00	2644	145.00	830	213.00	222	302.00	622
68.00	2221	146.00	1818	215.00	1763	303.00	4915
69.00	170304	147.00	5839	216.00	2579	304.00	908
70.00	1411	148.00	15262	217.00	33760	313.00	348
73.00	2307	149.00	2575	218.00	4753	314.00	1593
74.00	19784	150.00	588	219.00	558	315.00	6014
75.00	27672	151.00	1974	221.00	14704	316.00	2274
76.00	8735	152.00	430	222.00	4917	321.00	1211
77.00	175232	153.00	3713	223.00	8033	322.00	932
78.00	11193	154.00	2459	224.00	62208	323.00	10362
79.00	13519	155.00	5773	225.00	15374	324.00	1677
80.00	10871	156.00	8248	226.00	1464	327.00	2403
81.00	14718	157.00	1423	227.00	33128	328.00	1159
82.00	4596	158.00	2154	228.00	5079	332.00	697
83.00	2850	159.00	1342	229.00	6300	333.00	1246
84.00	323	160.00	3383	231.00	2416	334.00	8422
85.00	2310	161.00	4957	233.00	222	335.00	2144
86.00	4725	162.00	1481	234.00	2272	341.00	1496

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\DFTPP2.D

Date : 23-APR-2012 10:03

Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 650-652 (7.57), Background Scan 646
Location of Maximum: 198.00
Number of points: 262

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	1718	163.00	304	235.00	2509	342.00	238
88.00	752	165.00	5494	236.00	1551	346.00	3167
91.00	2877	166.00	2948	237.00	2525	347.00	657
92.00	3113	167.00	25504	238.00	240	352.00	5475
93.00	26480	168.00	12785	239.00	1224	353.00	2516
94.00	1717	169.00	2468	240.00	876	354.00	3263
96.00	563	170.00	617	241.00	1649	355.00	530
97.00	578	171.00	1168	242.00	4260	365.00	22552
98.00	20552	172.00	2207	243.00	3310	366.00	2510
99.00	14698	173.00	3156	244.00	49856	367.00	278
100.00	1025	174.00	4913	245.00	5861	370.00	288
101.00	6948	175.00	7366	246.00	12161	371.00	875
103.00	1839	176.00	1828	247.00	2380	372.00	5508
104.00	4549	177.00	4000	248.00	272	373.00	1391
105.00	4939	178.00	1063	249.00	1758	383.00	1583
106.00	2191	179.00	17400	250.00	307	390.00	486
107.00	56936	180.00	11496	251.00	1007	391.00	634
108.00	8504	181.00	5288	252.00	283	402.00	1997
109.00	2042	182.00	731	253.00	1206	403.00	2132
110.00	85648	184.00	1372	254.00	1228	404.00	684
111.00	14535	185.00	8132	255.00	266368	421.00	2887
112.00	1433	186.00	59200	256.00	39488	422.00	1870
116.00	3771	187.00	17760	257.00	2744	423.00	14582
117.00	68712	188.00	1857	258.00	21064	424.00	3223
118.00	4892	189.00	4687	259.00	3413	438.00	219
120.00	221	190.00	780	261.00	634	441.00	46584
122.00	3882	191.00	2125	264.00	332	442.00	317120
123.00	6128	192.00	5565	265.00	8449	443.00	59536
124.00	3395	193.00	5318	266.00	1025	444.00	6035
125.00	2503	194.00	1299	270.00	305		
126.00	240	195.00	260	272.00	795		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/23/2012 10:23

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042312.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/25/2012 09:58

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042312.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/25/2012 10:00

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042312.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D
Lab Smp Id: 45921 Client Smp ID: 8270CAL7
Inj Date : 23-APR-2012 10:23 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45921
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 17-APR-2012 23:38 Cal File: AP9CAL4.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO	
2 Pyridine						CAS #: 110-86-1			
2.381	2.381	(0.535)	79	1401787	100.000	101	80.00- 120.00	100.00	(A)
2.381	2.381	(0.535)	52	533240			7.01- 67.01	38.04	
M 16 Cresols (Total)						CAS #: 1319-77-3			
				2580149	200.000				(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9			
2.342	2.338	(0.526)	42	619633	100.000	98.7	80.00- 120.00	100.00	
2.342	2.338	(0.526)	74	875795			112.35- 172.35	141.34	
2.342	2.338	(0.526)	44	25228			0.00- 34.21	4.07	
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4			
3.385	3.383	(0.761)	112	2191983	200.000	205	80.00- 120.00	100.00	(TQ)
3.384	3.383	(0.761)	64	1404139			33.15- 93.15	64.06	
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2			
4.147	4.139	(0.932)	99	2929019	200.000	204	80.00- 120.00	100.00	(TQ)
4.146	4.139	(0.932)	42	593015			0.00- 48.89	20.25	
4.147	4.139	(0.932)	71	1597450			23.76- 83.76	54.54	
13 Phenol						CAS #: 108-95-2			
4.158	4.151	(0.934)	94	1779497	100.000	109	80.00- 120.00	100.00	(TAQ)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.159	4.151	(0.935)	65	1034654			31.39- 91.39	58.14
4.159	4.151	(0.935)	66	1878228			81.48- 141.48	105.55
	10 Aniline					CAS #: 62-53-3		
4.170	4.166	(0.937)	93	1778451	100.000	103	80.00- 120.00	100.00(AQ)
4.159	4.166	(0.935)	65	1034668			26.91- 86.91	58.18
4.159	4.166	(0.935)	66	1878231			73.34- 133.34	105.61
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.216	4.210	(0.947)	93	1049452	100.000	103	80.00- 120.00	100.00(AQ)
4.215	4.210	(0.947)	63	754811			42.30- 102.30	71.92
4.216	4.210	(0.947)	95	341117			1.53- 61.53	32.50
	15 2-Chlorophenol					CAS #: 95-57-8		
4.282	4.278	(0.962)	128	1116184	100.000	104	80.00- 120.00	100.00(A)
4.281	4.278	(0.962)	64	598128			20.72- 80.72	53.59
4.282	4.278	(0.962)	130	365387			2.39- 62.39	32.74
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.403	4.401	(0.990)	146	1349146	100.000	103	80.00- 120.00	100.00(A)
4.404	4.401	(0.990)	148	916623			36.16- 96.16	67.94
4.403	4.401	(0.989)	111	611686			16.14- 76.14	45.34
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.450	4.448	(1.000)	152	369613	40.0000		80.00- 120.00	100.00(Q)
4.450	4.448	(1.000)	115	232248			32.20- 92.20	62.84
4.451	4.448	(1.000)	150	712699			139.77- 199.77	192.82
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.465	4.462	(1.003)	146	1413402	100.000	102	80.00- 120.00	100.00(A)
4.465	4.462	(1.003)	148	965798			38.09- 98.09	68.33
4.465	4.462	(1.003)	111	621154			14.50- 74.50	43.95
	21 Benzyl alcohol					CAS #: 100-51-6		
4.574	4.567	(1.028)	108	798558	100.000	109	80.00- 120.00	100.00(AQ)
4.574	4.567	(1.028)	79	1317077			152.29- 212.29	164.93
4.574	4.567	(1.028)	77	920759			97.26- 157.26	115.30
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.602	4.599	(1.034)	146	1300899	100.000	103	80.00- 120.00	100.00(A)
4.602	4.599	(1.034)	148	882508			38.32- 98.32	67.84
4.601	4.599	(1.034)	111	611019			18.14- 78.14	46.97
	22 2-Methylphenol					CAS #: 95-48-7		
4.675	4.671	(1.051)	107	1071606	100.000	111	80.00- 120.00	100.00(AQ)
4.675	4.671	(1.051)	108	1173347			82.43- 142.43	109.49
4.676	4.671	(1.051)	79	894287			55.43- 115.43	83.45
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.679	4.675	(1.051)	45	765861	100.000	107	80.00- 120.00	100.00(AQ)
4.676	4.675	(1.051)	77	998136			102.98- 162.98	130.33
4.679	4.675	(1.051)	121	412918			24.22- 84.22	53.92

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol							CAS #: 106-44-5	
4.815	4.808	(1.082)	107	1508543	100.000	108	80.00- 120.00	100.00(AQ)
4.815	4.808	(1.082)	108	1255130			50.54- 110.54	83.20
4.815	4.808	(1.082)	79	499414			2.76- 62.76	33.11
26 N-Nitrosodinpropylamine							CAS #: 621-64-7	
4.807	4.798	(1.080)	70	1155441	100.000	106	80.00- 120.00	100.00(A)
4.807	4.798	(1.080)	42	442548			6.87- 66.87	38.30
4.809	4.798	(1.081)	130	238532			0.00- 49.23	20.64
30 Hexachloroethane							CAS #: 67-72-1	
4.904	4.902	(1.102)	117	568048	100.000	104	80.00- 120.00	100.00(TAQ)
4.904	4.902	(1.102)	201	667512			90.07- 150.07	117.51
4.904	4.902	(1.102)	199	416256			43.69- 103.69	73.28
$ 31 Nitrobenzene-d5 (SURR)							CAS #: 4165-60-0	
4.950	4.944	(0.882)	82	1664154	100.000	102	80.00- 120.00	100.00
4.950	4.944	(0.882)	128	571503			2.76- 62.76	34.34
4.949	4.944	(0.882)	54	640024			7.08- 67.08	38.46
32 Nitrobenzene							CAS #: 98-95-3	
4.968	4.962	(0.885)	77	1628107	100.000	101	80.00- 120.00	100.00(TAQ)
4.968	4.962	(0.885)	123	593499			4.18- 64.18	36.45
4.967	4.962	(0.885)	65	251383			0.00- 45.17	15.44
34 Isophorone							CAS #: 78-59-1	
5.187	5.176	(0.924)	82	1966364	100.000	100	80.00- 120.00	100.00(TA)
5.187	5.176	(0.924)	138	323866			0.00- 46.29	16.47
5.187	5.176	(0.924)	95	178310			0.00- 39.21	9.07
35 2-Nitrophenol							CAS #: 88-75-5	
5.257	5.253	(0.937)	139	636335	100.000	107	80.00- 120.00	100.00(AQ)
5.256	5.253	(0.936)	65	445399			43.34- 103.34	69.99
5.257	5.253	(0.937)	109	315180			20.91- 80.91	49.53
36 2,4-Dimethylphenol							CAS #: 105-67-9	
5.300	5.294	(0.944)	122	943605	100.000	103	80.00- 120.00	100.00(AQ)
5.300	5.294	(0.944)	107	1308624			111.45- 171.45	138.68
5.300	5.294	(0.944)	121	575675			28.89- 88.89	61.01
38 Bis(2-Chloroethoxy)methane							CAS #: 111-91-1	
5.375	5.369	(0.958)	93	1375581	100.000	104	80.00- 120.00	100.00(AQ)
5.375	5.369	(0.958)	95	464140			3.06- 63.06	33.74
5.375	5.369	(0.958)	123	168603			0.00- 44.40	12.26
40 Benzoic Acid							CAS #: 65-85-0	
5.443	5.404	(0.970)	122	667982	100.000	100	80.00- 120.00	100.00(AQ)
5.442	5.404	(0.970)	105	924754			107.67- 167.67	138.44
5.442	5.404	(0.970)	77	911936			104.37- 164.37	136.52
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.494	5.490	(0.979)	162	1153270	100.000	107	80.00- 120.00	100.00(A)
5.494	5.490	(0.979)	164	768382			36.50- 96.50	66.63

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.494	5.490	(0.979)	98	402045			5.73- 65.73	34.86
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.558	5.555	(0.990)	180	1397695	100.000	104	80.00- 120.00	100.00(AQ)
5.558	5.555	(0.990)	182	1341367			67.47- 127.47	95.97
5.558	5.555	(0.990)	145	404353			0.00- 58.13	28.93
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.613	5.610	(1.000)	136	1206741	40.0000		80.00- 120.00	100.00
5.613	5.610	(1.000)	68	67100			0.00- 35.51	5.56
	44 Naphthalene					CAS #: 91-20-3		
5.634	5.630	(1.004)	128	3031558	100.000	97.9	80.00- 120.00	100.00(Q)
5.634	5.630	(1.004)	129	400597			0.00- 41.28	13.21
5.635	5.630	(1.004)	127	471485			0.00- 43.27	15.55
	45 4-Chloroaniline					CAS #: 106-47-8		
5.686	5.681	(1.013)	127	1320840	100.000	101	80.00- 120.00	100.00(AQ)
5.686	5.681	(1.013)	129	443875			2.39- 62.39	33.61
5.686	5.681	(1.013)	65	529784			11.54- 71.54	40.11
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.749	5.746	(1.024)	225	1086012	100.000	105	80.00- 120.00	100.00(A)
5.749	5.746	(1.024)	223	690338			32.02- 92.02	63.57
5.749	5.746	(1.024)	227	708317			34.54- 94.54	65.22
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.162	6.158	(1.098)	107	1096336	100.000	106	80.00- 120.00	100.00(AQ)
6.162	6.158	(1.098)	144	288067			0.00- 55.95	26.28
6.162	6.158	(1.098)	142	854950			44.47- 104.47	77.98
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.293	6.289	(1.121)	142	2328304	100.000	103	80.00- 120.00	100.00(AQ)
6.293	6.289	(1.121)	141	2021877			58.08- 118.08	86.84
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.390	6.385	(1.138)	142	2142579	100.000	105	80.00- 120.00	100.00(AQ)
6.390	6.385	(1.138)	141	1908794			61.72- 121.72	89.09
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.448	6.445	(0.882)	237	1394430	100.000	109	80.00- 120.00	100.00(A)
6.447	6.445	(0.882)	235	886974			33.37- 93.37	63.61
6.448	6.445	(0.882)	272	196544			0.00- 43.74	14.09
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.623	6.620	(0.906)	196	1080093	100.000	107	80.00- 120.00	100.00(A)
6.622	6.620	(0.906)	198	1038484			67.07- 127.07	96.15
6.623	6.620	(0.906)	200	343515			1.30- 61.30	31.80
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.574	6.570	(0.899)	196	999447	100.000	107	80.00- 120.00	100.00(A)
6.574	6.570	(0.899)	198	962661			69.46- 129.46	96.32

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.573	6.570	(0.899)	97	626005			34.72- 94.72	62.64
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.649	6.644	(0.910)	172	3092684	100.000	98.8	80.00- 120.00	100.00
6.649	6.644	(0.910)	171	1223430			5.03- 65.03	39.56
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.767	6.763	(0.926)	162	2441676	100.000	103	80.00- 120.00	100.00(A)
6.767	6.763	(0.926)	164	897352			4.20- 64.20	36.75
6.767	6.763	(0.926)	127	993346			7.85- 67.85	40.68
63 2-Nitroaniline						CAS #: 88-74-4		
6.875	6.869	(0.941)	65	852429	100.000	104	80.00- 120.00	100.00(AQ)
6.875	6.869	(0.941)	92	532431			30.25- 90.25	62.46
6.876	6.869	(0.941)	138	728040			52.43- 112.43	85.41
65 Dimethylphthalate						CAS #: 131-11-3		
7.047	7.040	(0.964)	163	2643552	100.000	97.0	80.00- 120.00	100.00
7.047	7.040	(0.964)	194	168630			0.00- 35.55	6.38
7.046	7.040	(0.964)	164	306081			0.00- 40.55	11.58
68 Acenaphthylene						CAS #: 208-96-8		
7.172	7.167	(0.981)	152	3442374	100.000	98.1	80.00- 120.00	100.00(Q)
7.171	7.167	(0.981)	151	804693			0.00- 50.50	23.38
7.171	7.167	(0.981)	153	558146			0.00- 43.76	16.21
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.108	7.100	(0.973)	165	636319	100.000	103	80.00- 120.00	100.00(AQ)
7.107	7.100	(0.972)	89	495601			49.02- 109.02	77.89
7.107	7.100	(0.972)	63	467309			44.86- 104.86	73.44
69 3-Nitroaniline						CAS #: 99-09-2		
7.280	7.271	(0.996)	138	563494	100.000	103	80.00- 120.00	100.00(AQ)
7.280	7.271	(0.996)	108	59889			0.00- 41.32	10.63
7.280	7.271	(0.996)	92	736657			100.05- 160.05	130.73
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.309	7.305	(1.000)	164	808987	40.0000		80.00- 120.00	100.00
7.309	7.305	(1.000)	162	765828			64.73- 124.73	94.67
7.309	7.305	(1.000)	160	350574			12.46- 72.46	43.33
71 Acenaphthene						CAS #: 83-32-9		
7.343	7.338	(1.005)	154	2251571	100.000	106	80.00- 120.00	100.00(A)
7.343	7.338	(1.005)	153	2403221			78.46- 138.46	106.74
7.343	7.338	(1.005)	152	1233015			23.44- 83.44	54.76
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.376	7.369	(1.009)	184	443646	100.000	100	80.00- 120.00	100.00
7.375	7.369	(1.009)	63	353739			48.07- 108.07	79.73
7.376	7.369	(1.009)	154	292686			39.61- 99.61	65.97
74 4-Nitrophenol						CAS #: 100-02-7		
7.480	7.476	(1.023)	109	626012	100.000	105	80.00- 120.00	100.00(AQ)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.480	7.476	(1.023)	139	392945			26.63- 86.63	62.77
7.479	7.476	(1.023)	65	700484			81.59- 141.59	111.90
	75 Dibenzofuran					CAS #: 132-64-9		
7.511	7.506	(1.028)	168	3466790	100.000	100	80.00- 120.00	100.00(AQ)
7.511	7.506	(1.028)	139	1612047			12.75- 72.75	46.50
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.502	7.494	(1.026)	165	944318	100.000	109	80.00- 120.00	100.00(AQ)
7.503	7.494	(1.026)	63	971768			82.10- 142.10	102.91
7.502	7.494	(1.026)	89	938093			72.08- 132.08	99.34
	80 Diethylphthalate					CAS #: 84-66-2		
7.736	7.729	(1.058)	149	2470184	100.000	98.2	80.00- 120.00	100.00(Q)
7.737	7.729	(1.059)	177	621855			0.00- 53.36	25.17
7.736	7.729	(1.058)	150	338821			0.00- 42.43	13.72
	81 Fluorene					CAS #: 86-73-7		
7.846	7.841	(1.073)	166	3192400	100.000	106	80.00- 120.00	100.00(AQ)
7.846	7.841	(1.073)	165	3011142			65.55- 125.55	94.32
7.846	7.841	(1.073)	167	540430			0.00- 44.15	16.93
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.843	7.838	(1.073)	204	2009610	100.000	112	80.00- 120.00	100.00(A)
7.843	7.838	(1.073)	206	742625			4.27- 64.27	36.95
7.842	7.838	(1.073)	141	1152506			24.97- 84.97	57.35
	84 4-Nitroaniline					CAS #: 100-01-6		
7.889	7.874	(1.079)	138	493317	100.000	104	80.00- 120.00	100.00(AQ)
7.889	7.874	(1.079)	92	319536			38.02- 98.02	64.77
7.889	7.874	(1.079)	108	732073			124.92- 184.92	148.40
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.907	7.896	(0.902)	198	659425	100.000	102	80.00- 120.00	100.00(AQ)
7.906	7.896	(0.902)	51	243271			6.77- 66.77	36.89
7.906	7.896	(0.902)	105	259018			8.50- 68.50	39.28
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.964	7.956	(0.909)	169	1848840	100.000	104	80.00- 120.00	100.00(AQ)
7.964	7.956	(0.909)	168	1224134			36.61- 96.61	66.21
7.964	7.956	(0.909)	167	672585			4.62- 64.62	36.38
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.999	7.992	(1.094)	77	2765772	100.000	95.6	80.00- 120.00	100.00(QM)
8.000	7.992	(1.094)	105	411578			0.00- 43.34	14.88
8.001	7.992	(1.095)	182	796534			0.00- 56.11	28.80
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.090	8.083	(1.107)	330	1256660	200.000	222	80.00- 120.00	100.00
8.090	8.083	(1.107)	332	1224675			66.43- 126.43	97.45
8.088	8.083	(1.107)	141	497979			9.24- 69.24	39.63

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.323	8.318	(0.950)	248	1116077	100.000	108	80.00- 120.00	100.00(AQ)
8.323	8.318	(0.950)	250	1099271			67.36- 127.36	98.49
8.321	8.318	(0.949)	141	753656			35.77- 95.77	67.53
94 Hexachlorobenzene						CAS #: 118-74-1		
8.392	8.387	(0.957)	284	1309846	100.000	110	80.00- 120.00	100.00(A)
8.390	8.387	(0.957)	142	433692			2.39- 62.39	33.11
8.391	8.387	(0.957)	249	407079			0.06- 60.06	31.08
96 Pentachlorophenol						CAS #: 87-86-5		
8.589	8.585	(0.980)	266	784371	100.000	112	80.00- 120.00	100.00(A)
8.588	8.585	(0.980)	264	492898			33.70- 93.70	62.84
8.588	8.585	(0.980)	268	514109			35.26- 95.26	65.54
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.764	8.761	(1.000)	188	1410856	40.0000		80.00- 120.00	100.00
8.763	8.761	(1.000)	94	88153			0.00- 36.35	6.25
8.763	8.761	(1.000)	80	105474			0.00- 37.82	7.48
101 Phenanthrene						CAS #: 85-01-8		
8.790	8.785	(1.003)	178	3518447	100.000	96.8	80.00- 120.00	100.00(Q)
8.790	8.785	(1.003)	179	661146			0.00- 46.33	18.79
8.790	8.785	(1.003)	176	828642			0.00- 50.11	23.55
103 Anthracene						CAS #: 120-12-7		
8.840	8.835	(1.009)	178	3497170	100.000	96.6	80.00- 120.00	100.00(Q)
8.840	8.835	(1.009)	179	675684			0.00- 45.97	19.32
8.840	8.835	(1.009)	176	801353			0.00- 49.80	22.91
104 Carbazole						CAS #: 86-74-8		
9.001	8.996	(1.027)	167	3000820	100.000	99.5	80.00- 120.00	100.00(Q)
9.001	8.996	(1.027)	139	458323			0.00- 43.89	15.27
9.001	8.996	(1.027)	83	217728			0.00- 36.17	7.26
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.331	9.327	(1.065)	149	3710629	100.000	97.4	80.00- 120.00	100.00(Q)
9.331	9.327	(1.065)	150	451839			0.00- 40.04	12.18
9.330	9.327	(1.065)	104	349913			0.00- 37.79	9.43
109 Fluoranthene						CAS #: 206-44-0		
9.958	9.953	(1.136)	202	3994284	100.000	95.8	80.00- 120.00	100.00(Q)
9.957	9.953	(1.136)	101	348784			0.00- 36.69	8.73
9.958	9.953	(1.136)	203	865630			0.00- 48.82	21.67
111 Pyrene						CAS #: 129-00-0		
10.182	10.176	(0.896)	202	4225041	100.000	82.1	80.00- 120.00	100.00(Q)
10.183	10.176	(0.896)	200	1085583			0.00- 51.88	25.69
10.182	10.176	(0.896)	203	978374			0.00- 49.33	23.16
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.328	10.322	(0.909)	244	4027426	100.000	82.4	80.00- 120.00	100.00
10.327	10.322	(0.909)	122	354203			0.00- 36.72	8.79

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.328	10.322	(0.909)	212	386178			0.00- 38.06	9.59
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.803	10.798	(0.951)	149	2200511	100.000	98.8	80.00- 120.00	100.00(Q)
10.803	10.798	(0.951)	91	1773106			51.57- 111.57	80.58
10.804	10.798	(0.951)	206	605030			0.00- 55.14	27.49
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.355	11.348	(0.999)	228	5488919	100.000	84.4	80.00- 120.00	100.00
11.355	11.348	(0.999)	229	1546781			0.00- 51.57	28.18
11.355	11.348	(0.999)	226	2024809			0.00- 58.54	36.89
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.365	11.359	(1.000)	240	2589107	40.0000		80.00- 120.00	100.00
11.363	11.359	(1.000)	120	184418			0.00- 36.38	7.12
11.365	11.359	(1.000)	236	718879			0.00- 57.06	27.77
123 Chrysene						CAS #: 218-01-9		
11.393	11.384	(1.002)	228	4565007	100.000	80.1	80.00- 120.00	100.00
11.393	11.384	(1.003)	226	1746007			1.12- 61.12	38.25
11.393	11.384	(1.002)	229	1239567			0.00- 51.74	27.15
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.356	11.350	(0.999)	149	3621435	100.000	94.0	80.00- 120.00	100.00(Q)
11.356	11.350	(0.999)	167	1459722			2.07- 62.07	40.31
11.357	11.350	(0.999)	279	459262			0.00- 39.24	12.68
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.955	11.948	(0.942)	149	4297273	100.000	95.9	80.00- 120.00	100.00(Q)
11.956	11.948	(0.942)	167	104838			0.00- 31.74	2.44
11.955	11.948	(0.942)	43	444477			0.00- 38.21	10.34
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.346	12.333	(0.973)	252	5339267	100.000	96.6	80.00- 120.00	100.00
12.346	12.333	(0.973)	253	1486806			0.00- 54.02	27.85
12.345	12.333	(0.973)	125	342580			0.00- 34.93	6.42
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.372	12.359	(0.975)	252	4887777	100.000	88.0	80.00- 120.00	100.00
12.372	12.359	(0.975)	253	1536401			0.00- 53.57	31.43
12.371	12.359	(0.975)	125	399745			0.00- 35.26	8.18
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.643	12.630	(0.996)	252	5163071	100.000	95.6	80.00- 120.00	100.00(Q)
12.644	12.630	(0.996)	253	1429998			0.00- 54.04	27.70
12.643	12.630	(0.996)	125	361809			0.00- 35.52	7.01
* 130 Perylene-d12						CAS #: 1520-96-3		
12.692	12.682	(1.000)	264	2080005	40.0000		80.00- 120.00	100.00
12.693	12.682	(1.000)	260	521746			0.00- 54.80	25.08
12.693	12.682	(1.000)	265	482217			0.00- 53.39	23.18

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.772	13.749	(1.085)	276	6537649	100.000	97.1	80.00- 120.00	100.00(Q)
13.773	13.749	(1.085)	138	1042120			0.00- 42.48	15.94
13.773	13.749	(1.085)	277	1945129			0.00- 56.82	29.75
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.777	13.755	(1.085)	278	5650056	100.000	96.1	80.00- 120.00	100.00(Q)
13.775	13.755	(1.085)	139	615462			0.00- 37.70	10.89
13.777	13.755	(1.085)	279	1683921			0.00- 54.57	29.80
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.078	14.053	(1.109)	276	4563017	100.000	88.7	80.00- 120.00	100.00
14.076	14.053	(1.109)	138	516508			0.00- 40.01	11.32
14.078	14.053	(1.109)	277	1191628			0.00- 54.80	26.11

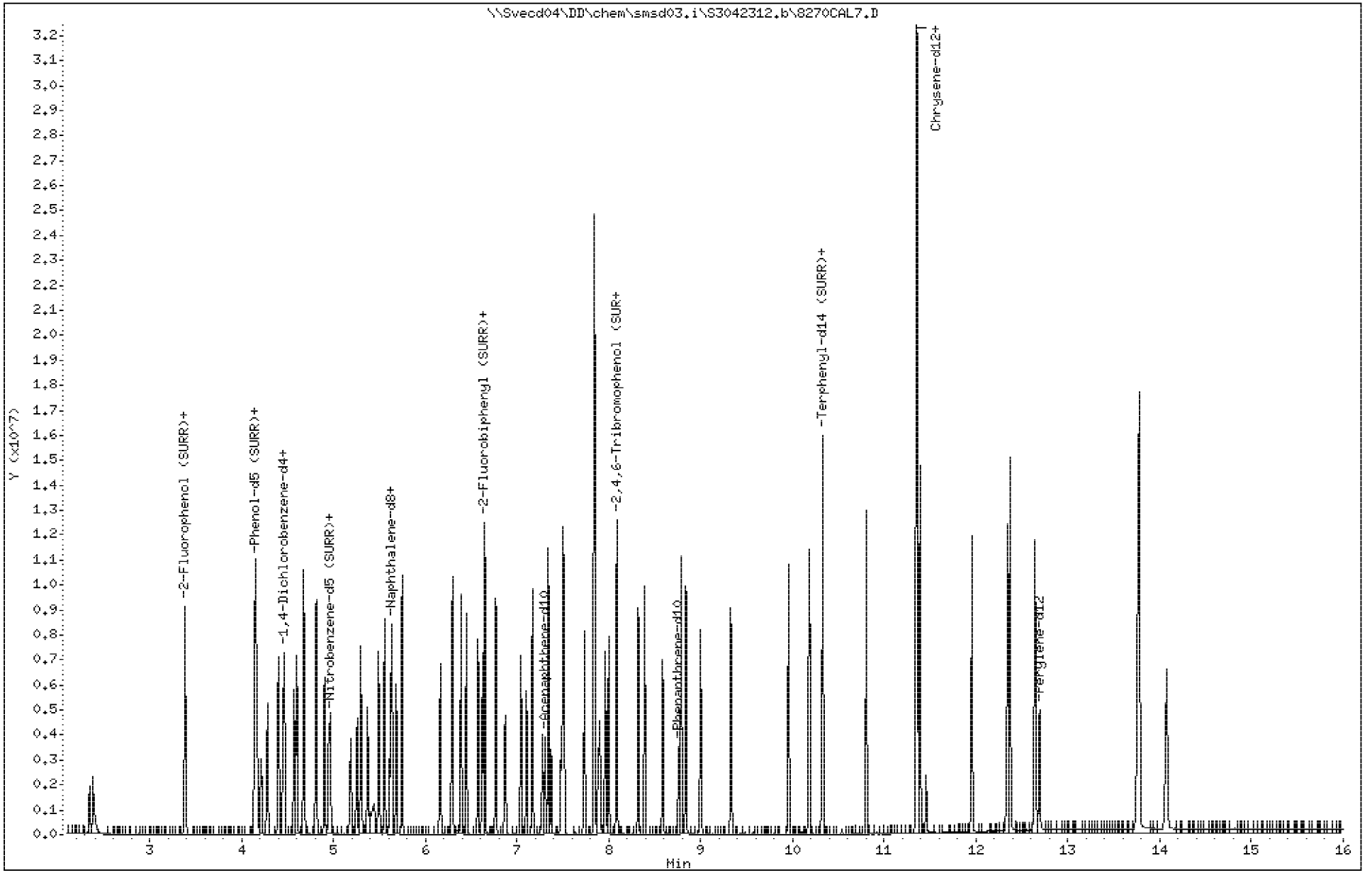
QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D
Date : 23-APR-2012 10:23
Client ID: 8270CAL7
Sample Info: 45921
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd03.i
Operator: PEL
Column diameter: 0.25

900



3505835

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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

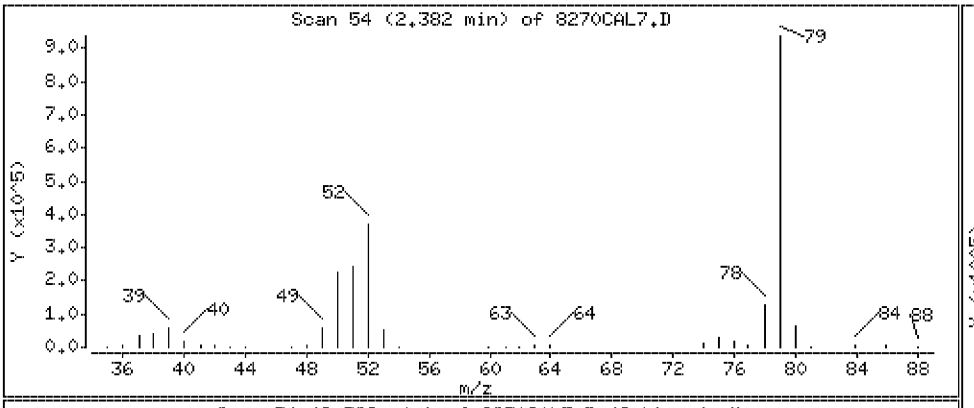
Operator: PEL

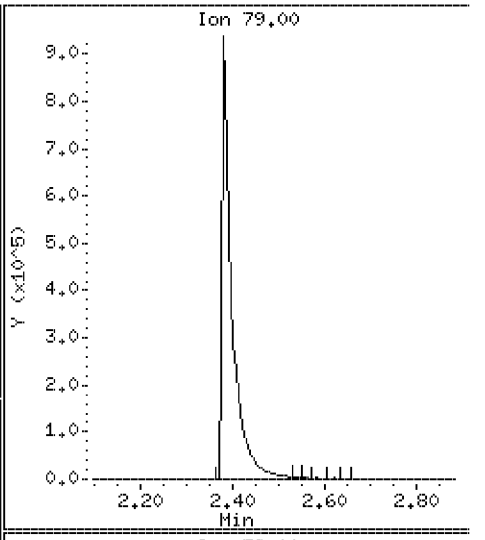
Column phase: HPMS-5

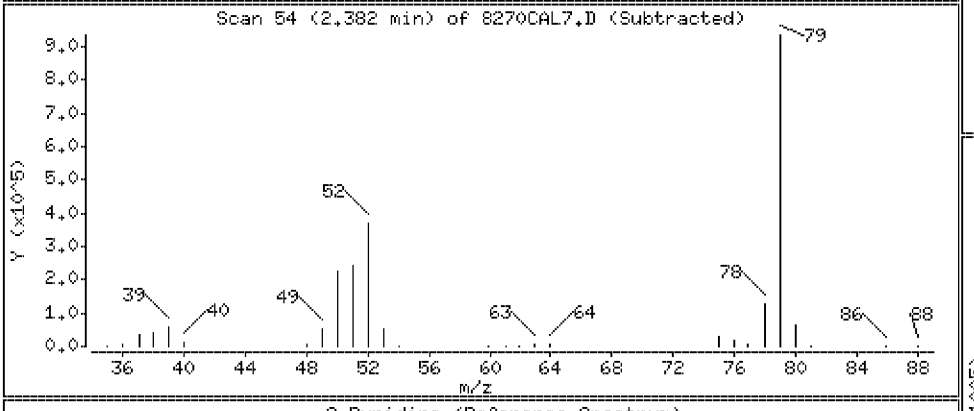
Column diameter: 0.25

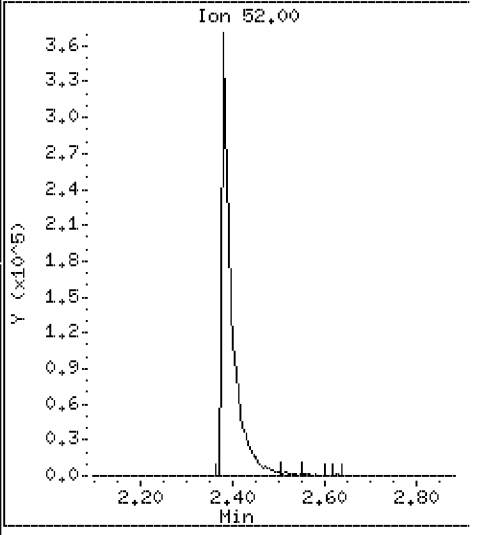
2 Pyridine

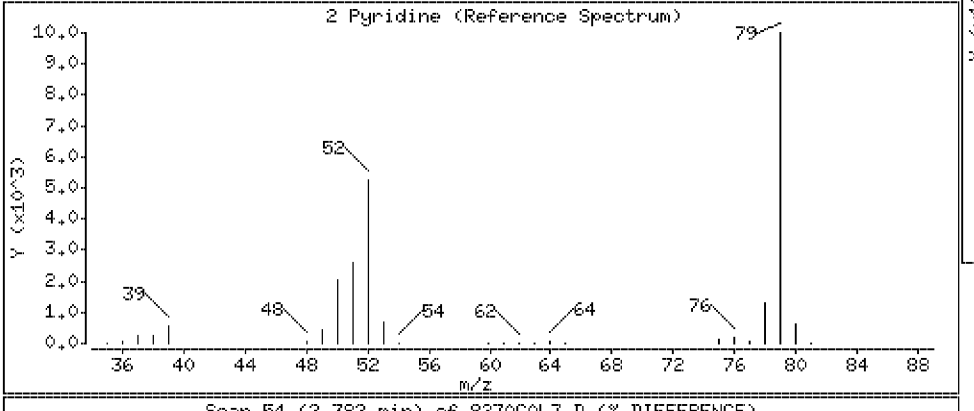
Concentration: 101 ug/l

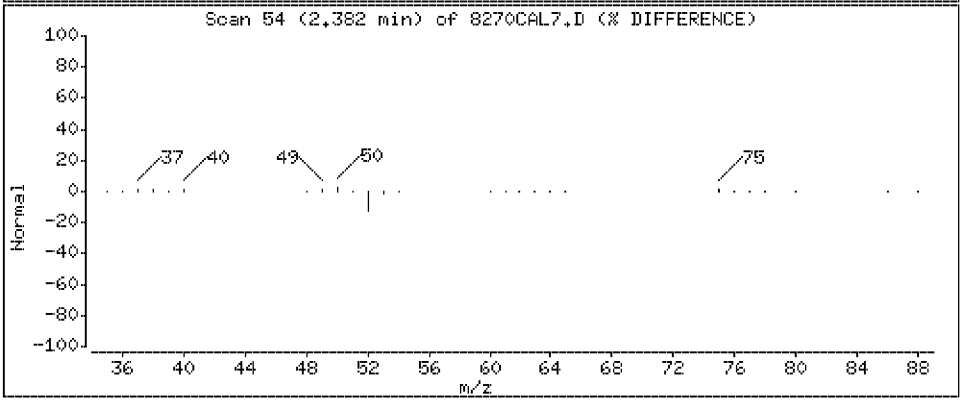












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

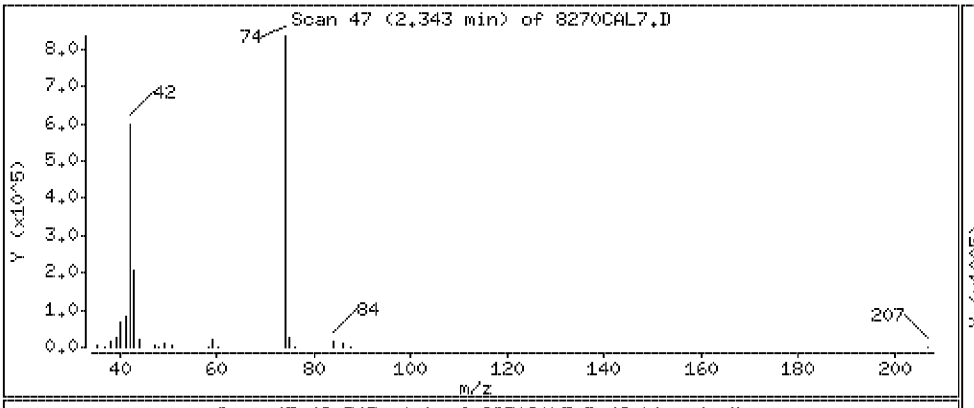
Operator: PEL

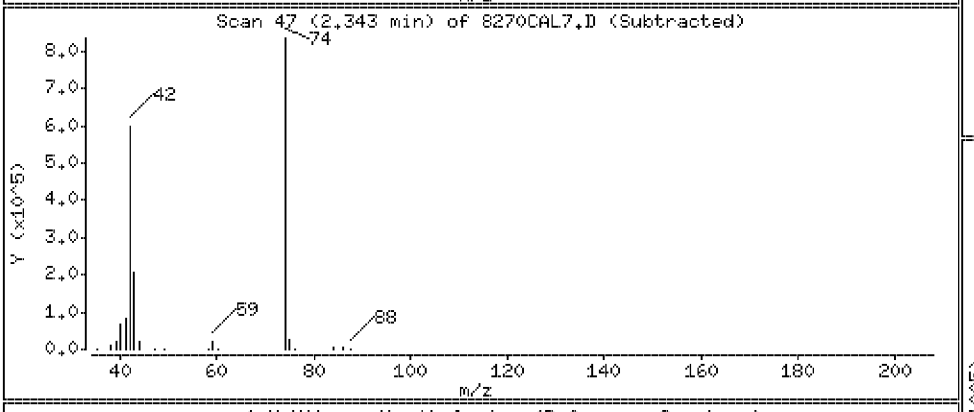
Column phase: HPMS-5

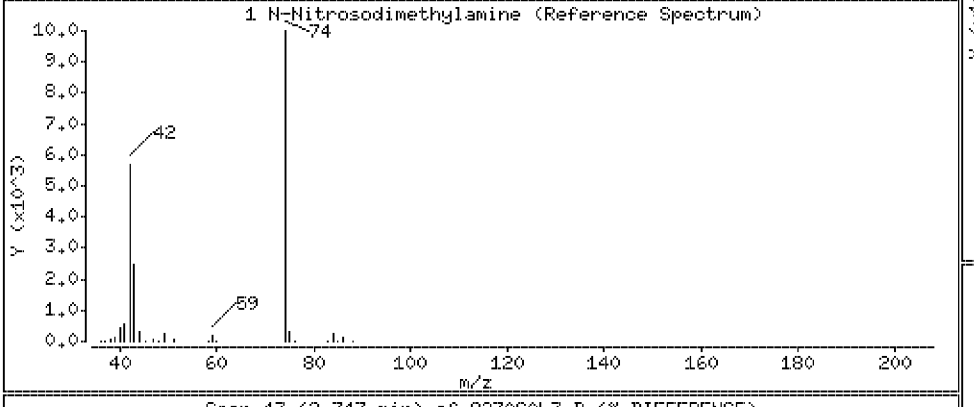
Column diameter: 0.25

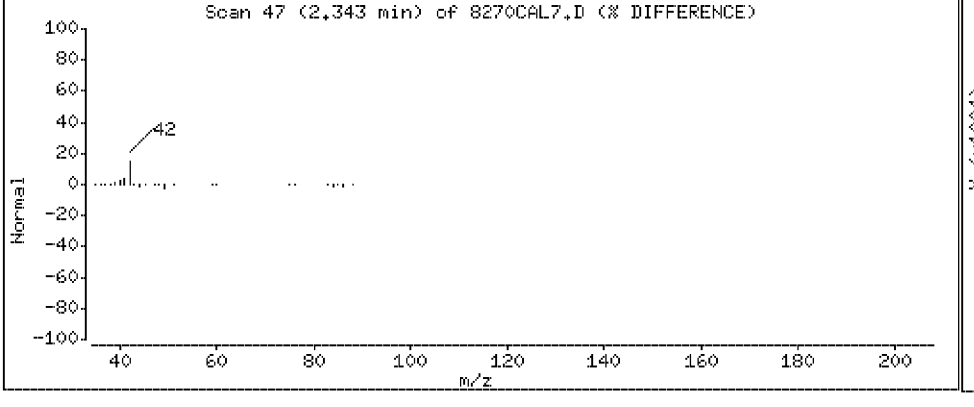
1 N-Nitrosodimethylamine

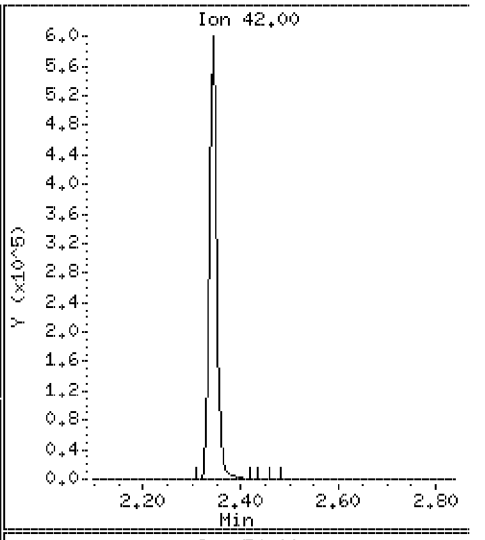
Concentration: 98.7 ug/l

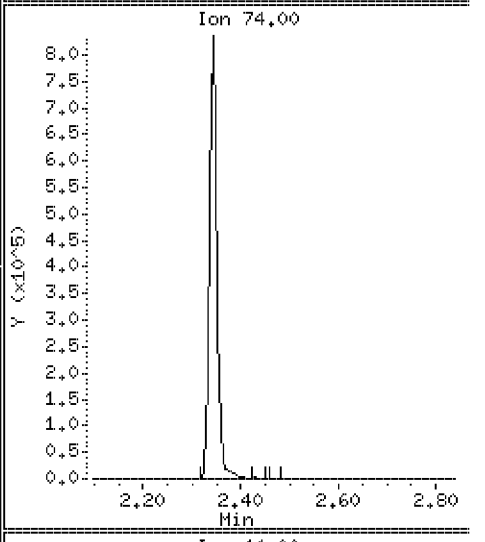


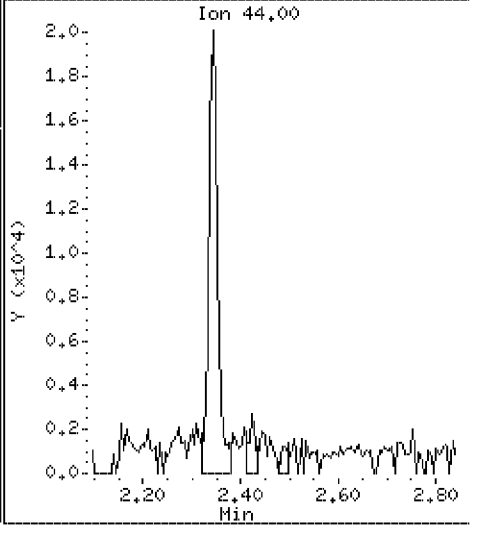












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

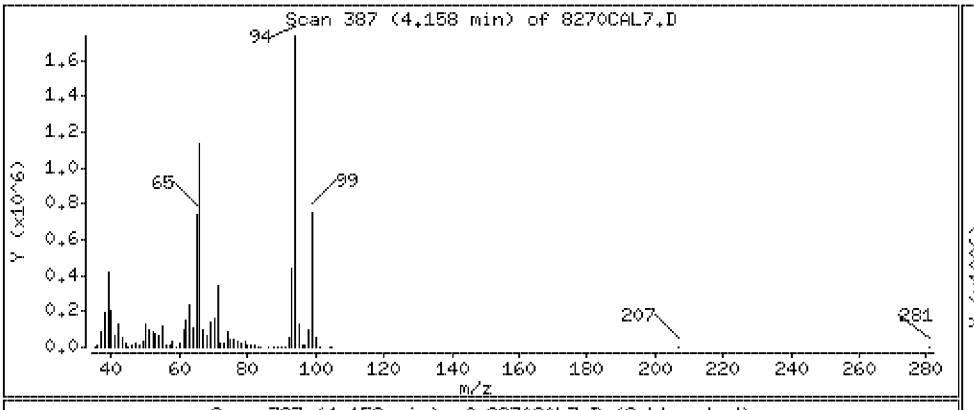
Operator: PEL

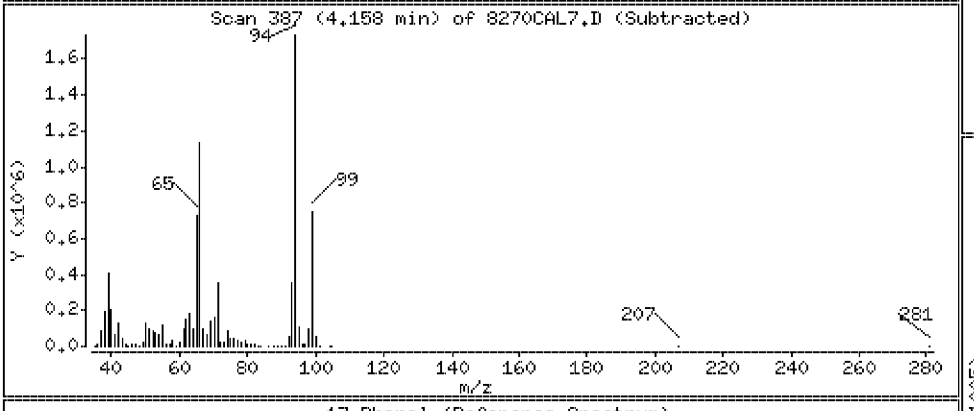
Column phase: HPMS-5

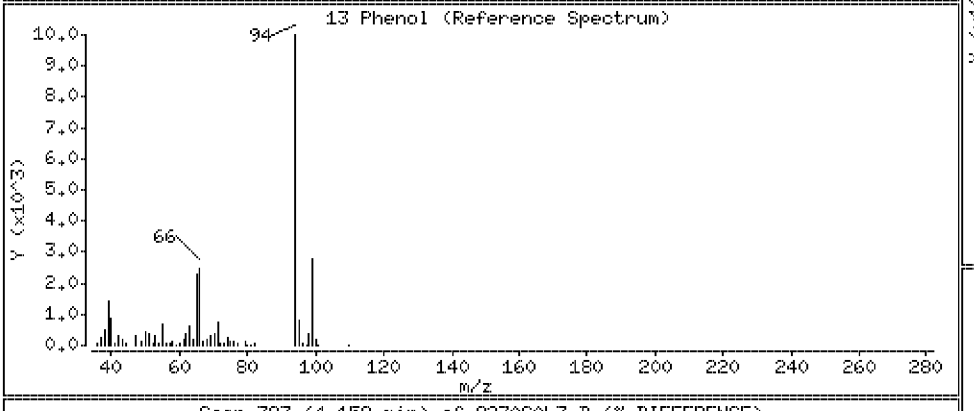
Column diameter: 0.25

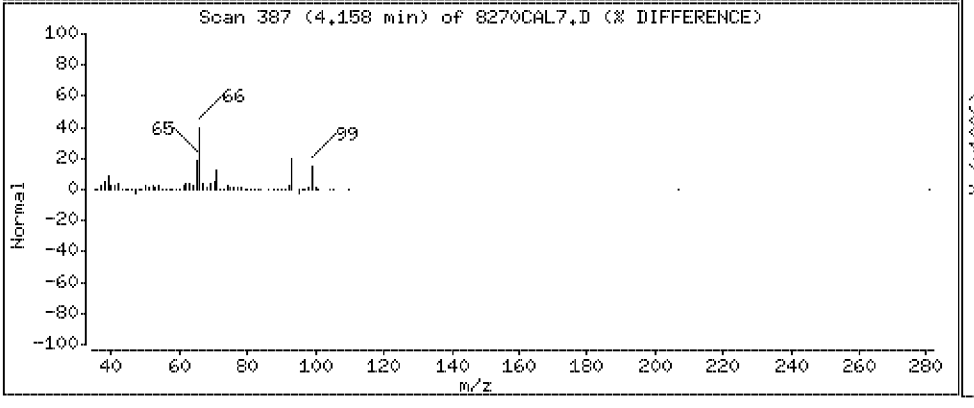
13 Phenol

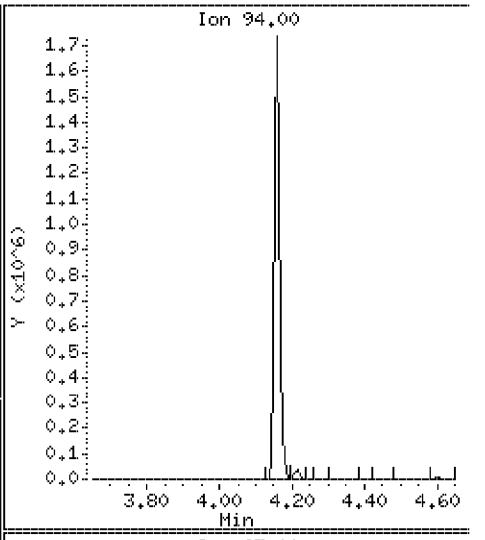
Concentration: 109 ug/l

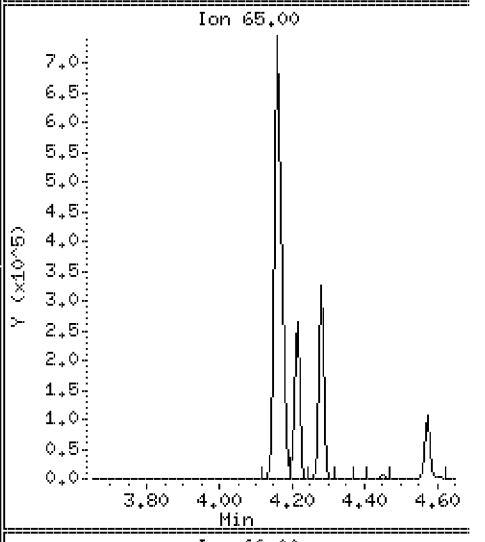


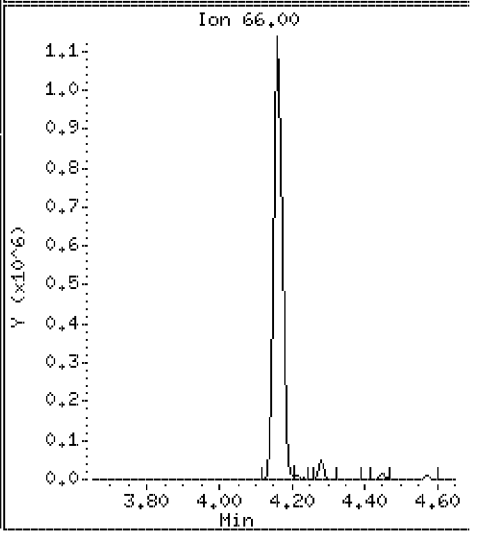












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

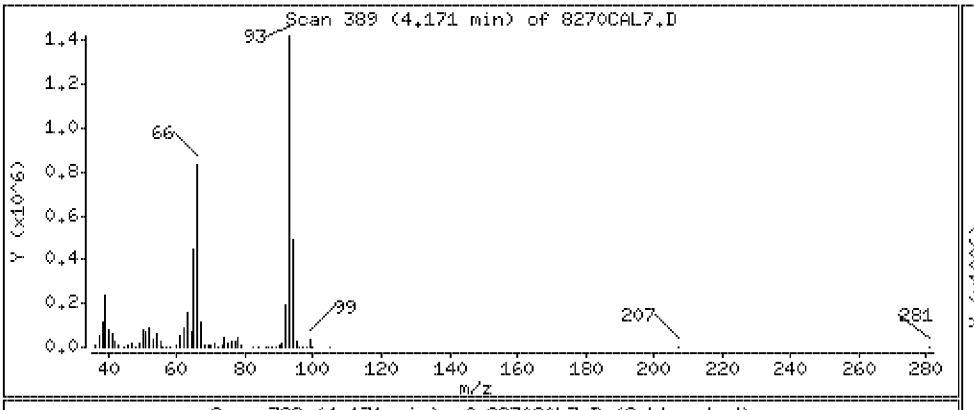
Operator: PEL

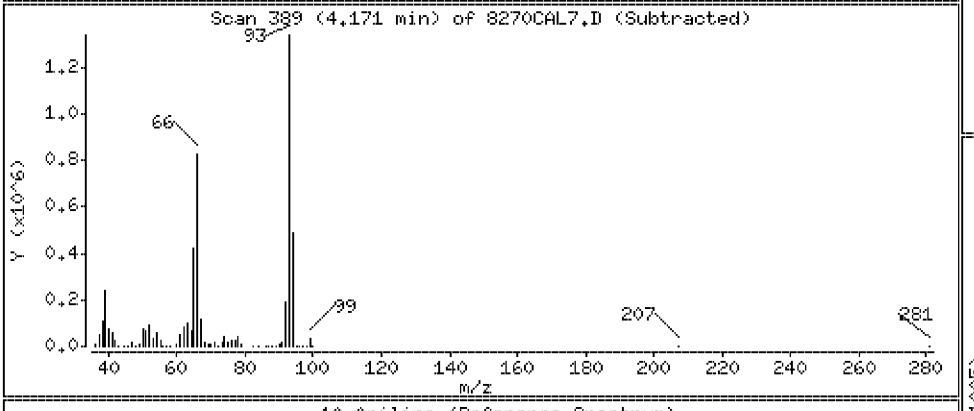
Column phase: HPMS-5

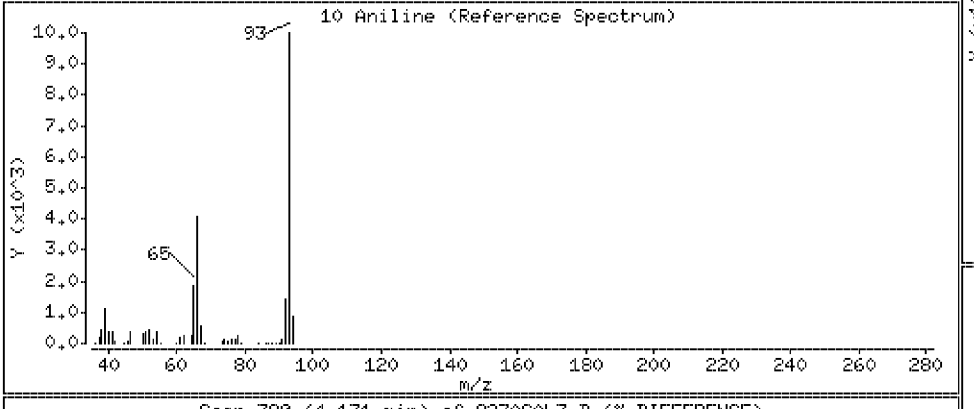
Column diameter: 0.25

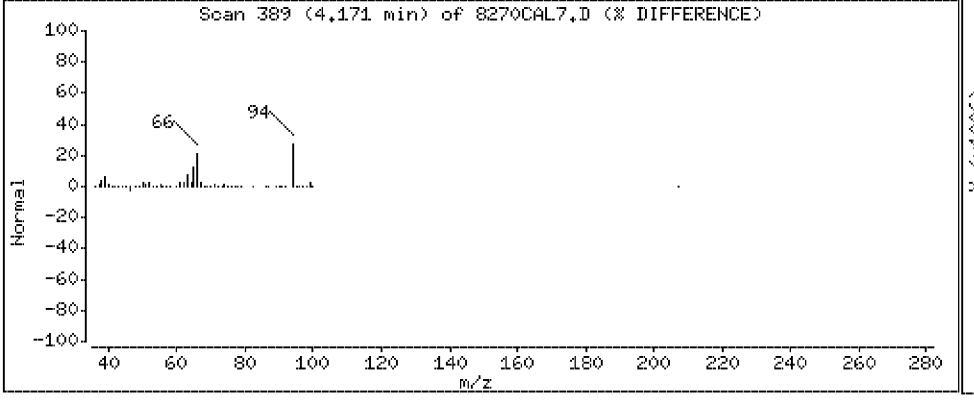
10 Aniline

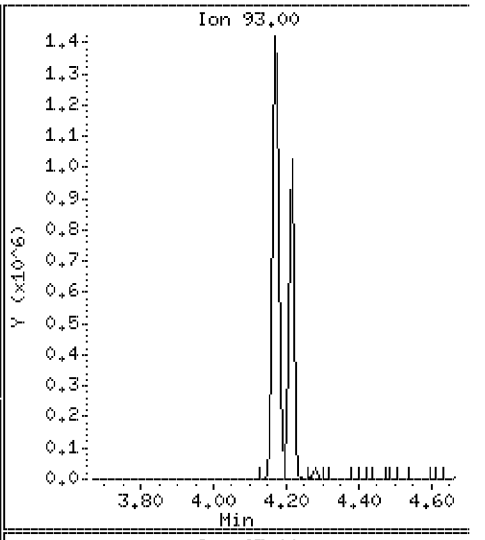
Concentration: 103 ug/l

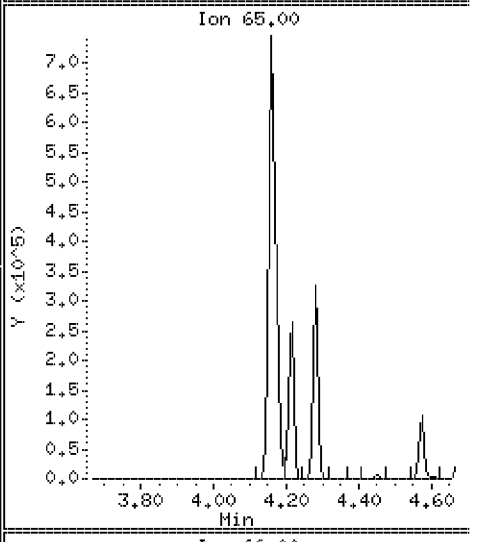


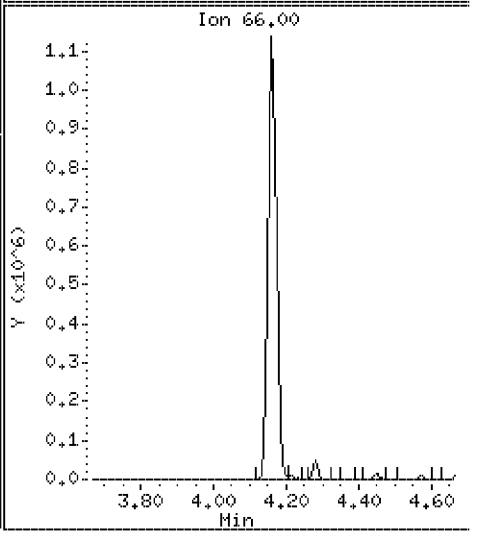












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

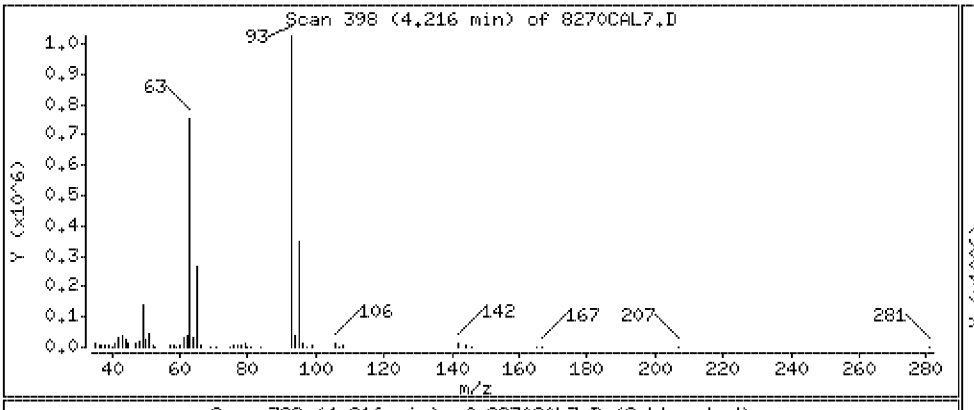
Operator: PEL

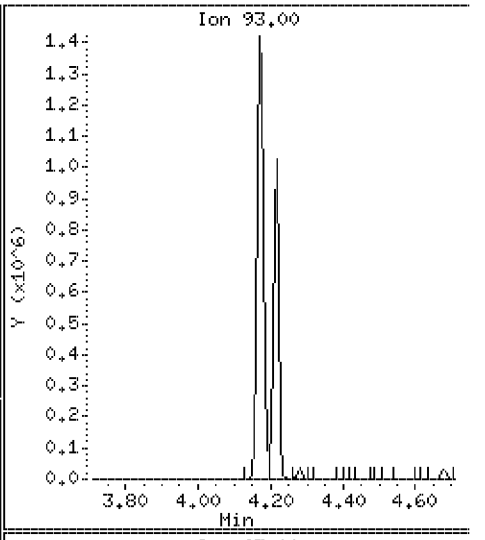
Column phase: HPMS-5

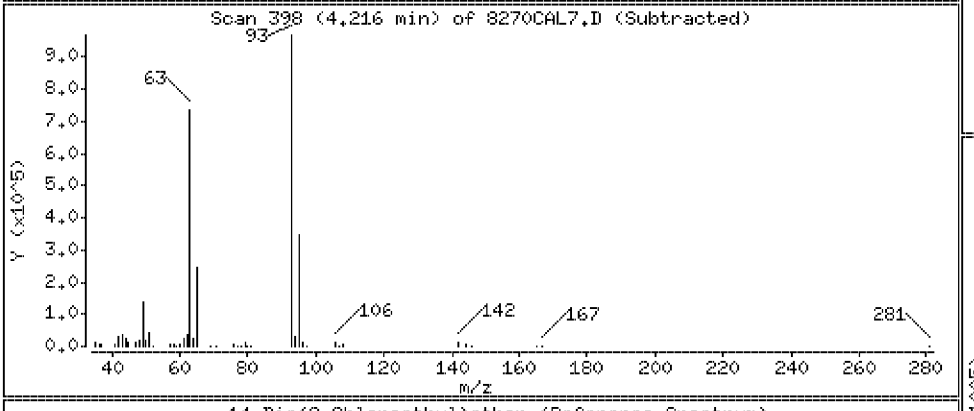
Column diameter: 0.25

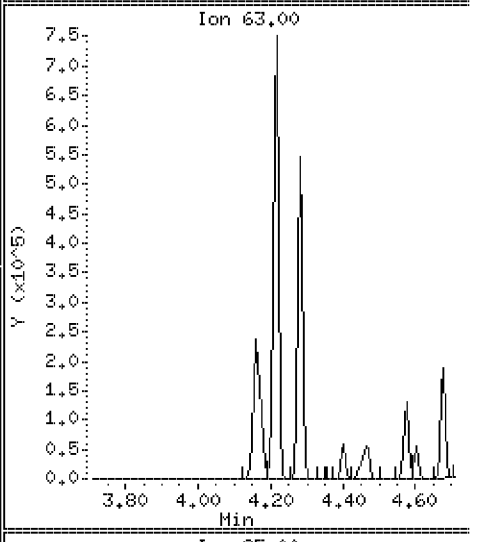
14 Bis(2-Chloroethyl)ether

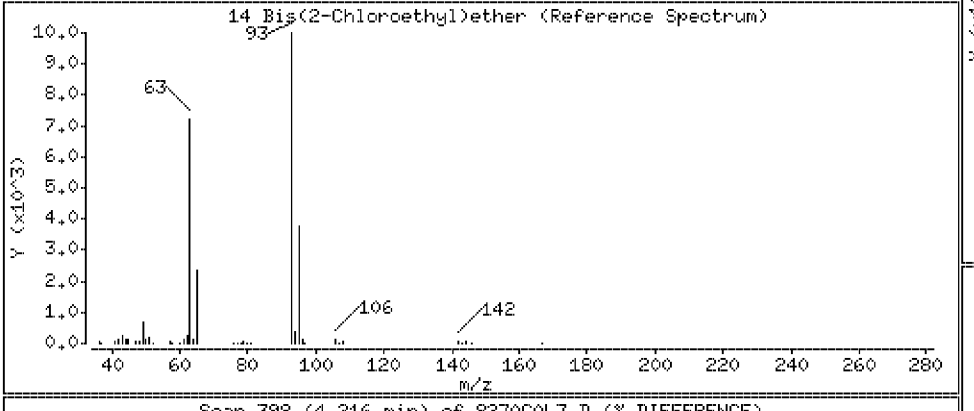
Concentration: 103 ug/l

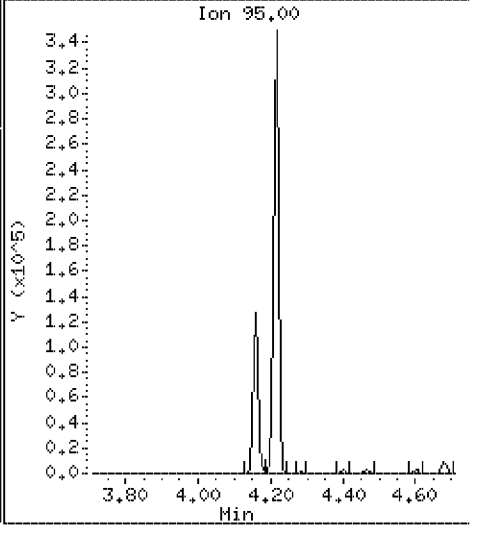


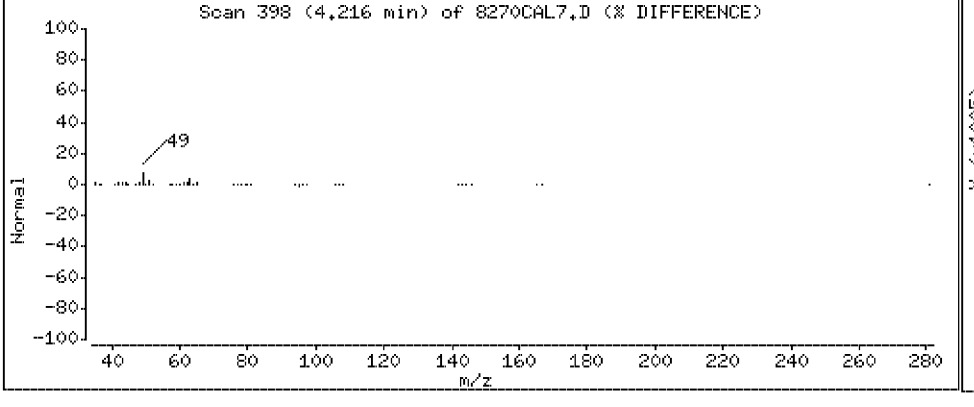












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

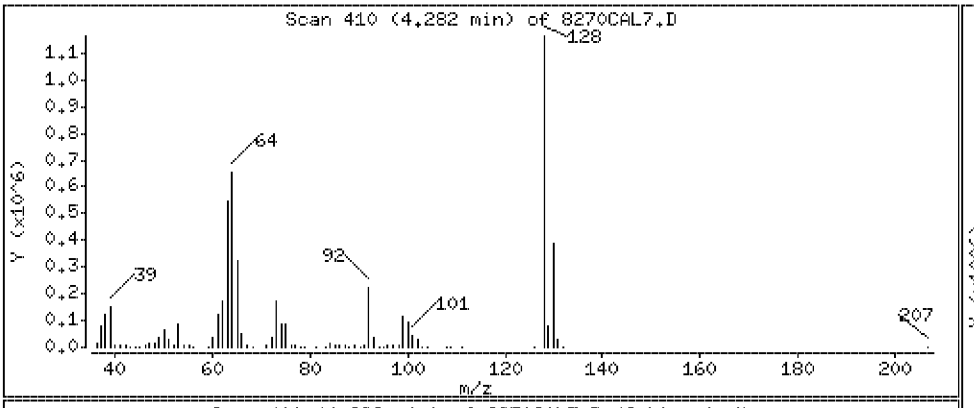
Operator: PEL

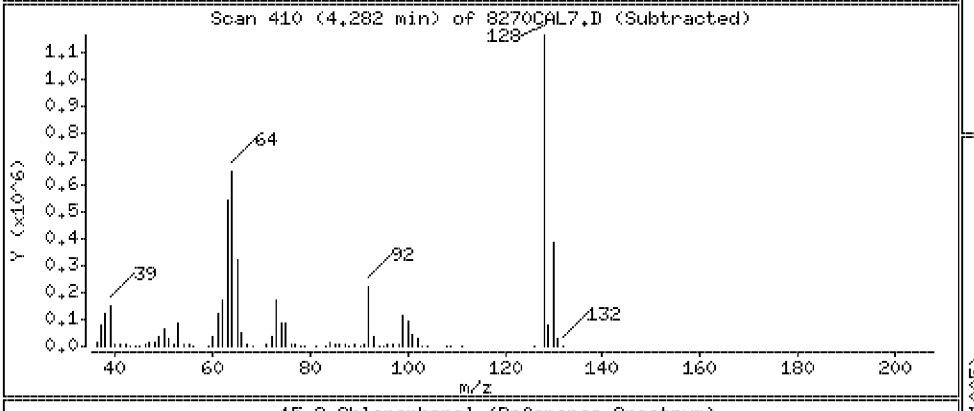
Column phase: HPMS-5

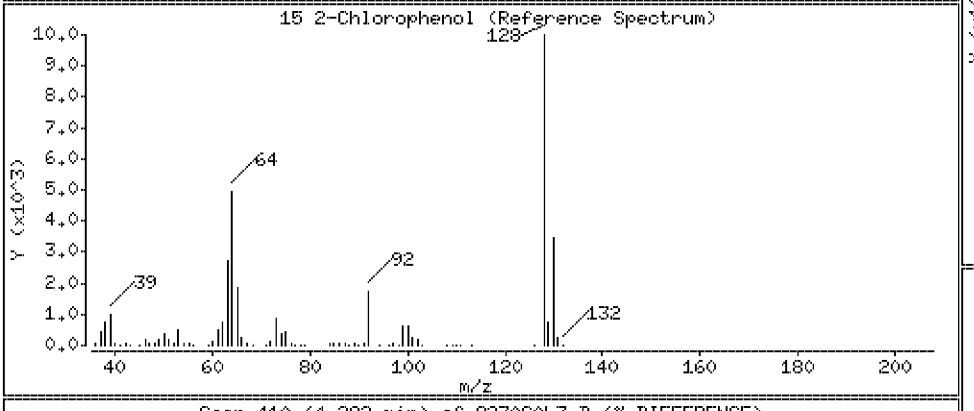
Column diameter: 0.25

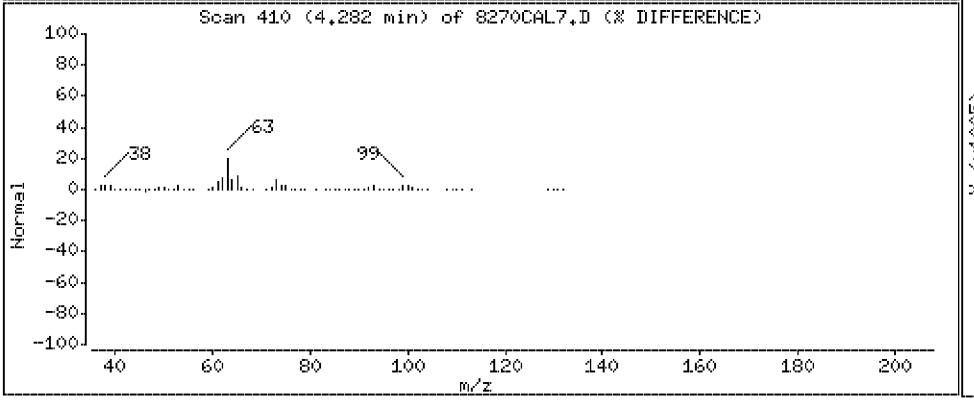
15 2-Chlorophenol

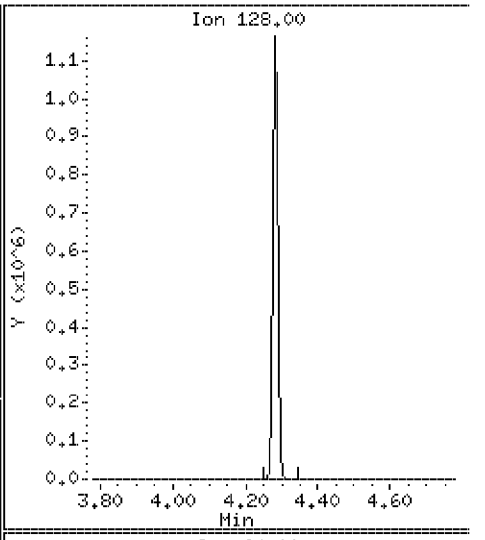
Concentration: 104 ug/l

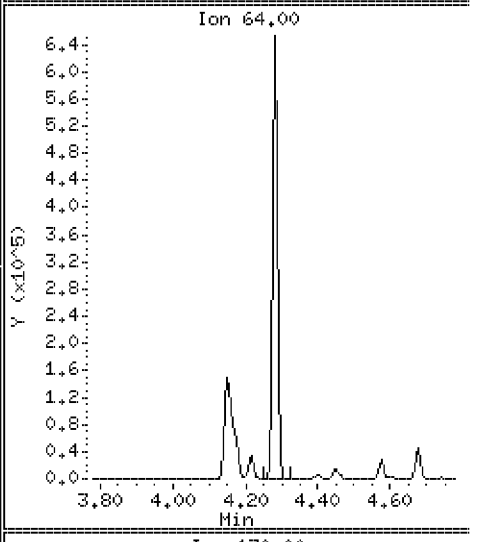


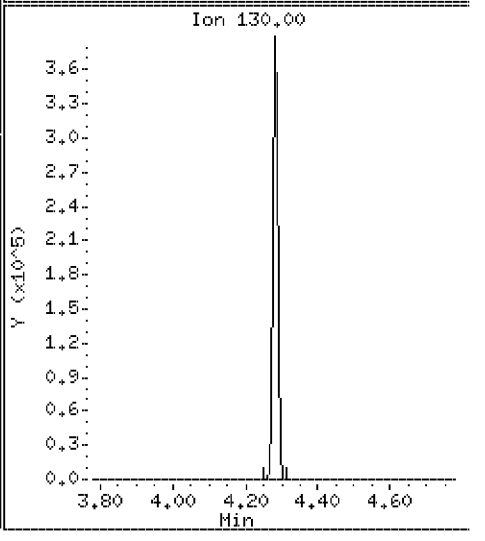












Date : 23-APR-2012 10:23

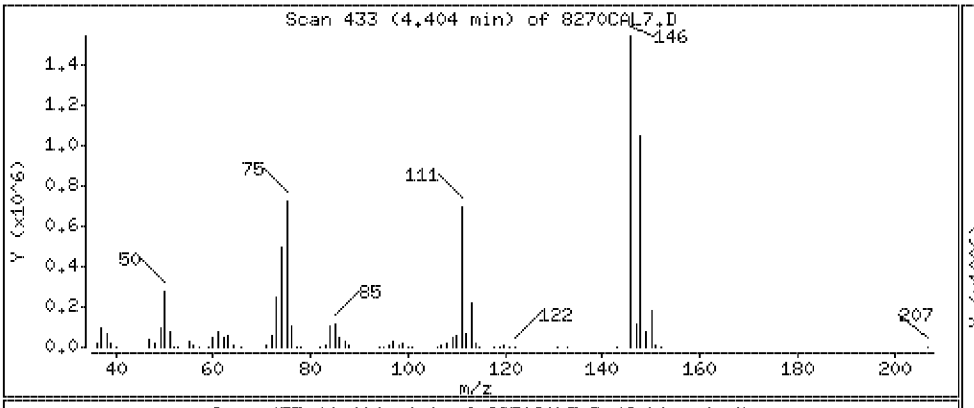
Client ID: 8270CAL7 Instrument: smsd03.i

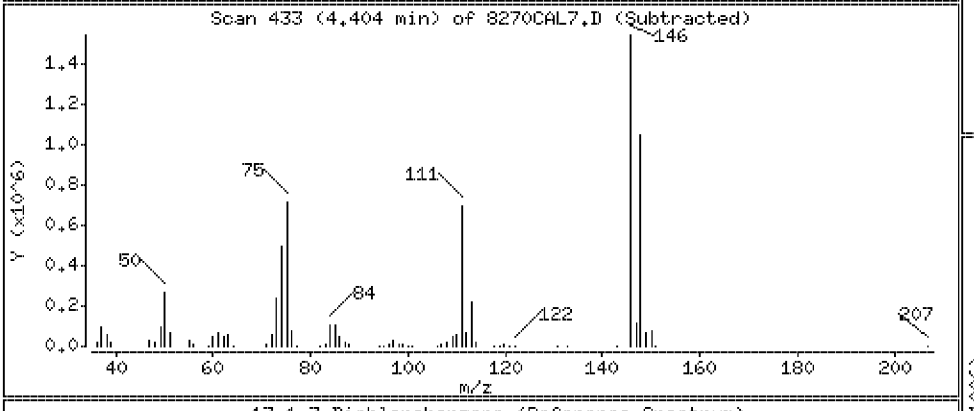
Sample Info: 45921

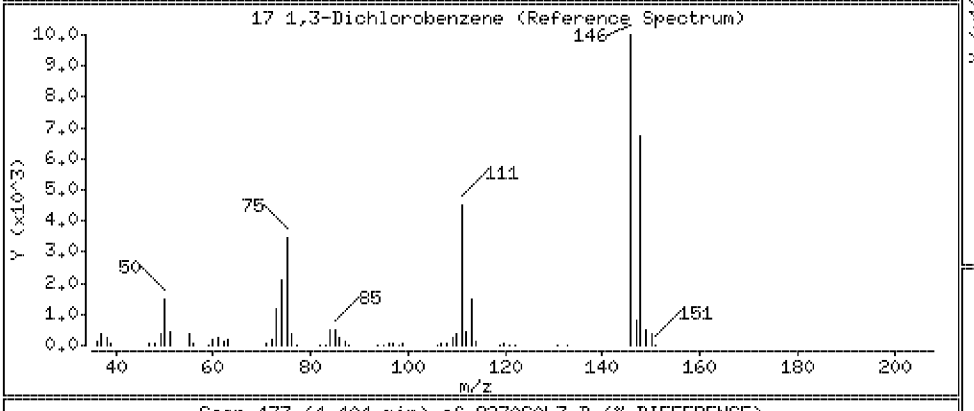
Purge Volume: 1000.0 Operator: PEL

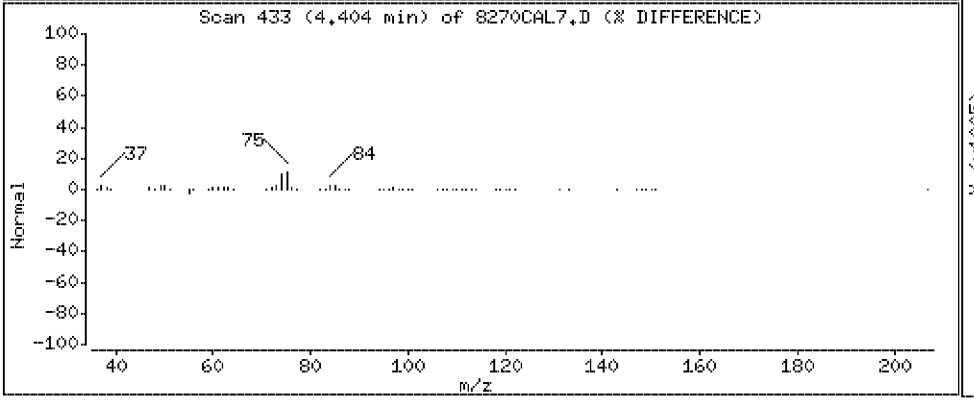
Column phase: HPMS-5 Column diameter: 0.25

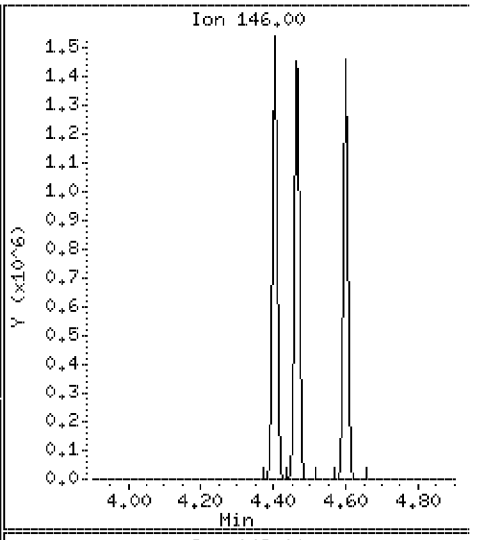
17 1,3-Dichlorobenzene Concentration: 103 ug/l

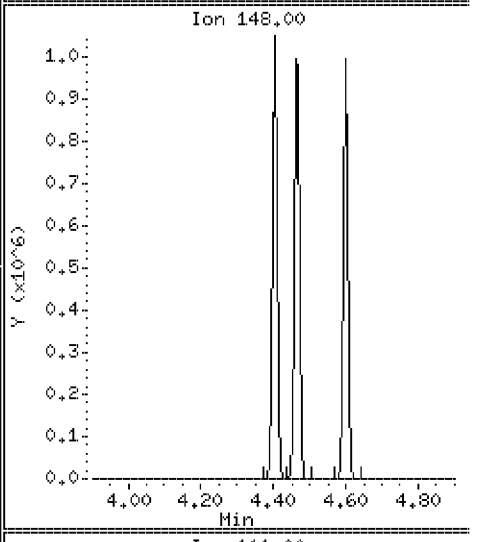


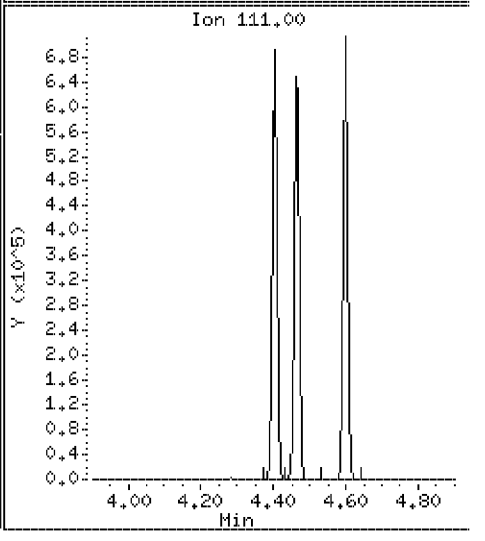












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

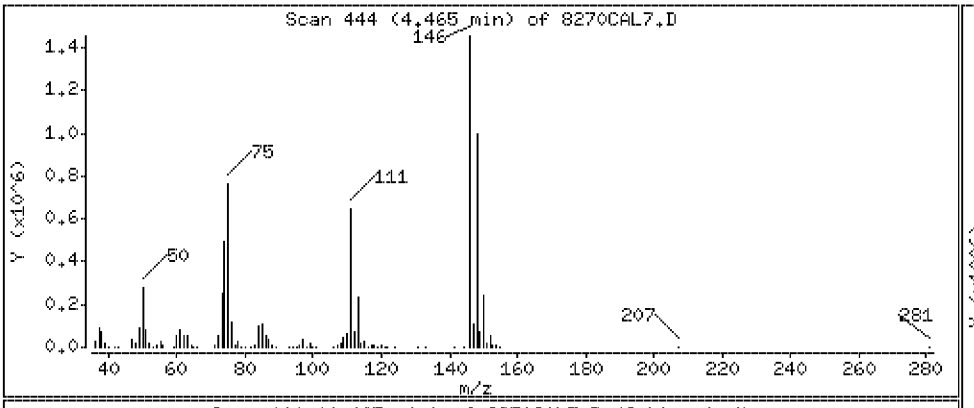
Operator: PEL

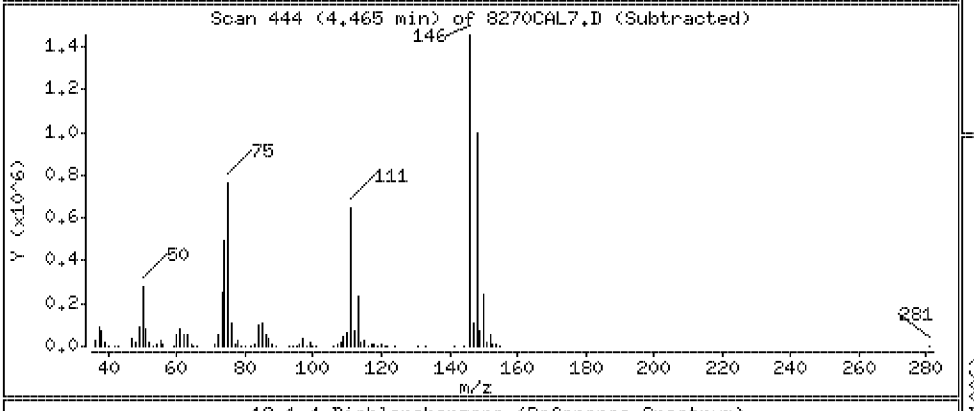
Column phase: HPMS-5

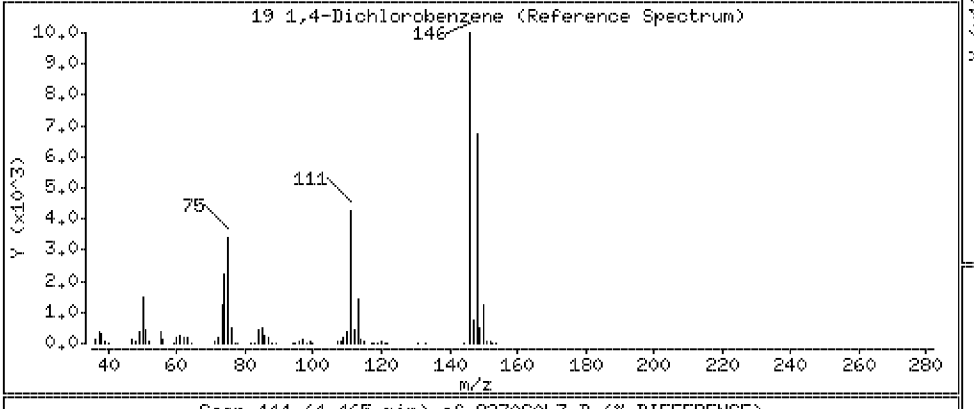
Column diameter: 0.25

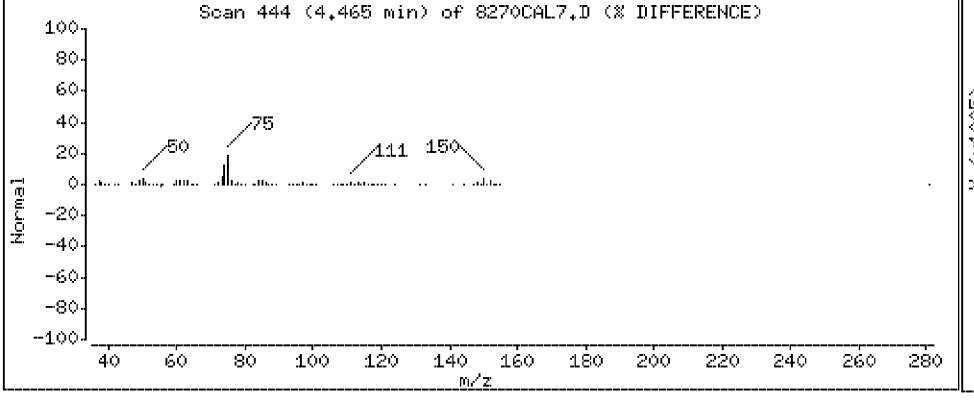
19 1,4-Dichlorobenzene

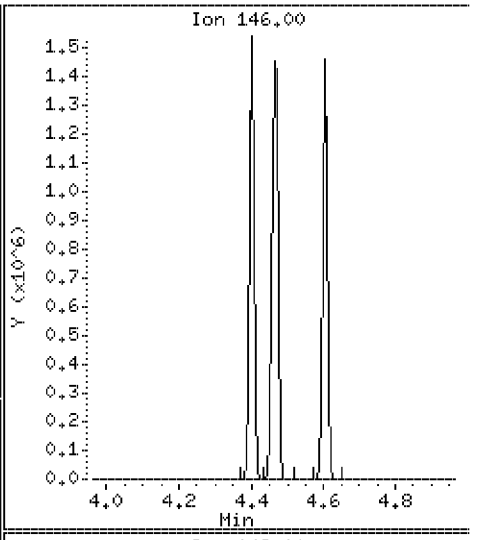
Concentration: 102 ug/l

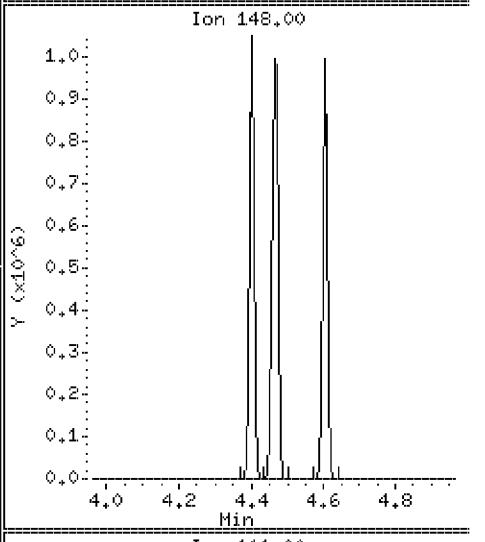


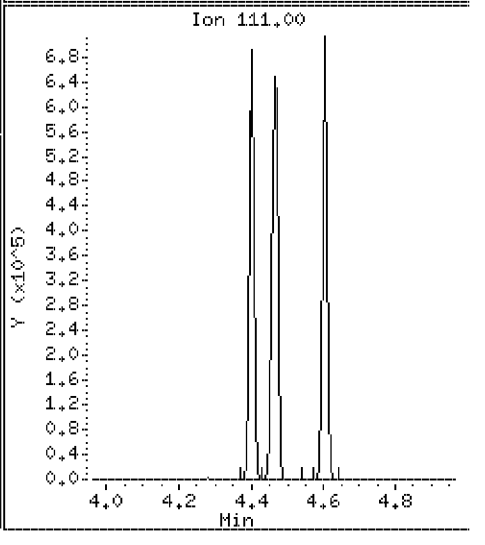












Date : 23-APR-2012 10:23

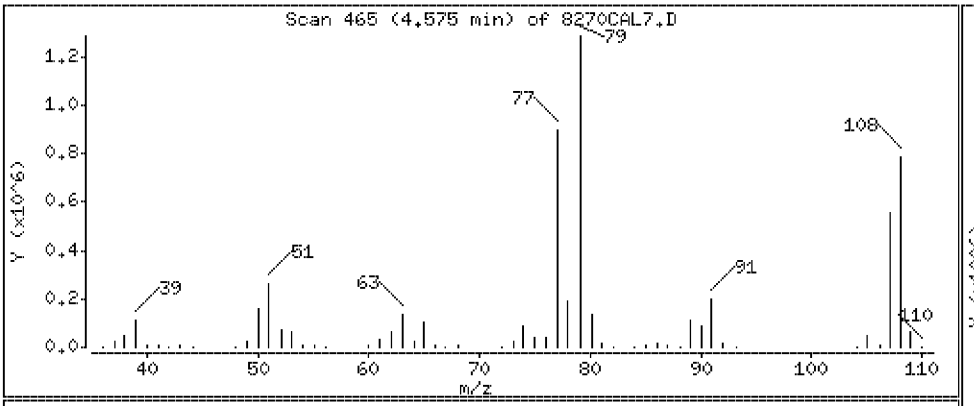
Client ID: 8270CAL7 Instrument: smsd03.i

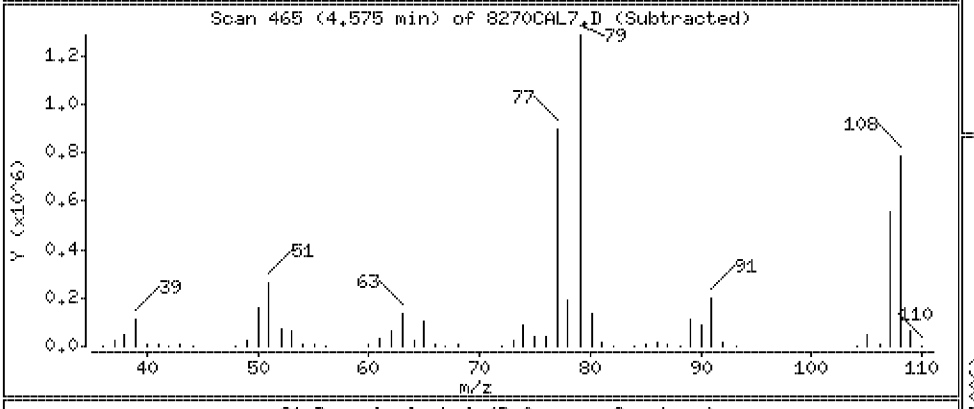
Sample Info: 45921

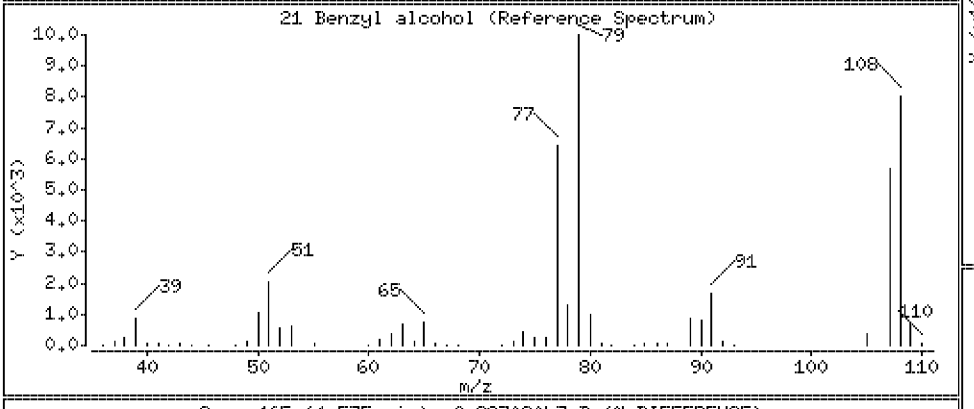
Purge Volume: 1000.0 Operator: PEL

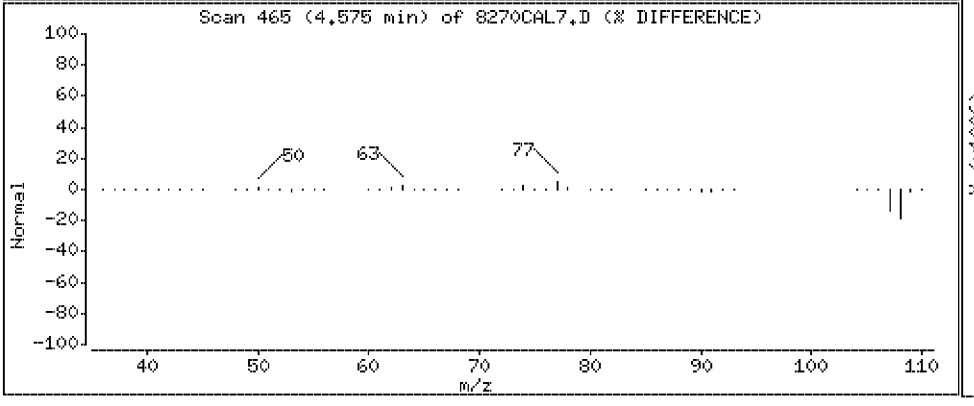
Column phase: HPMS-5 Column diameter: 0.25

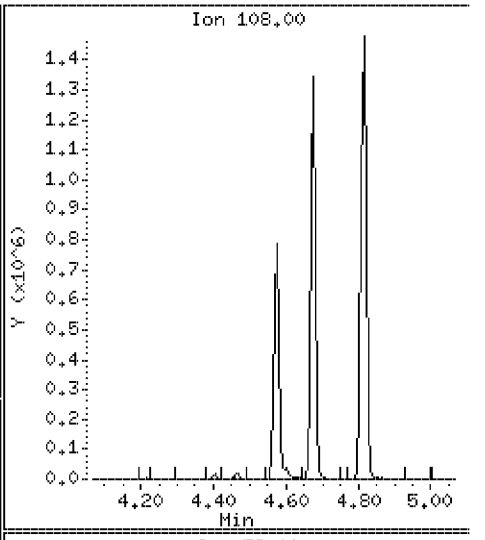
21 Benzyl alcohol Concentration: 109 ug/l

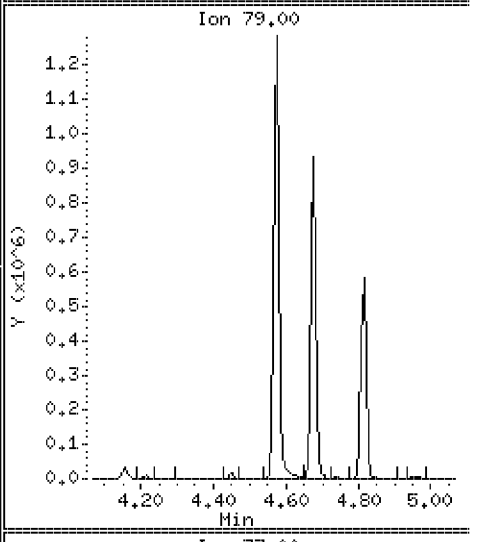


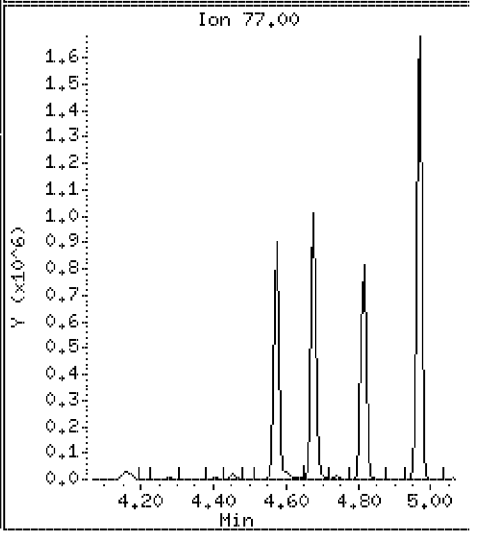












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

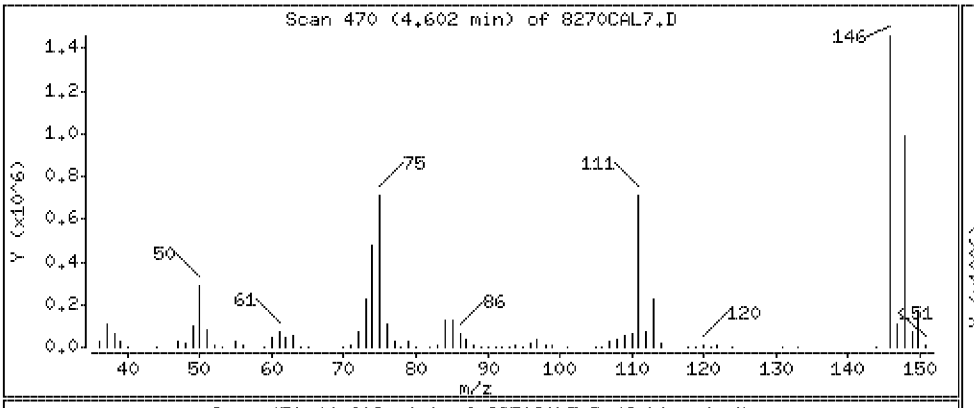
Operator: PEL

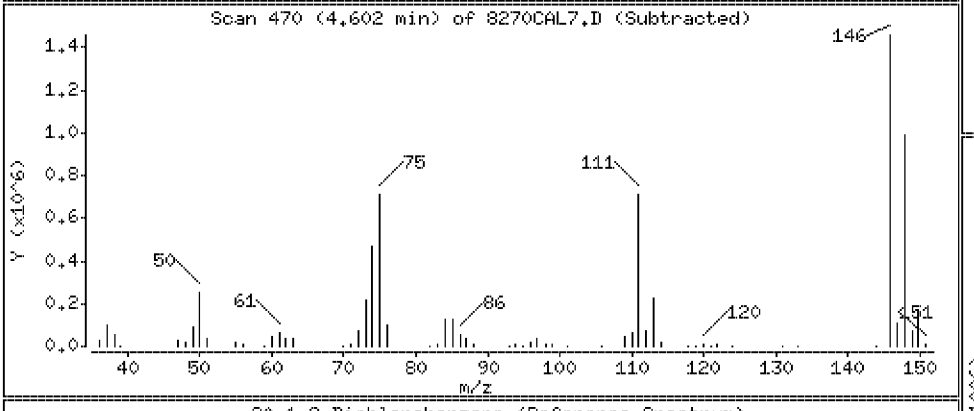
Column phase: HPMS-5

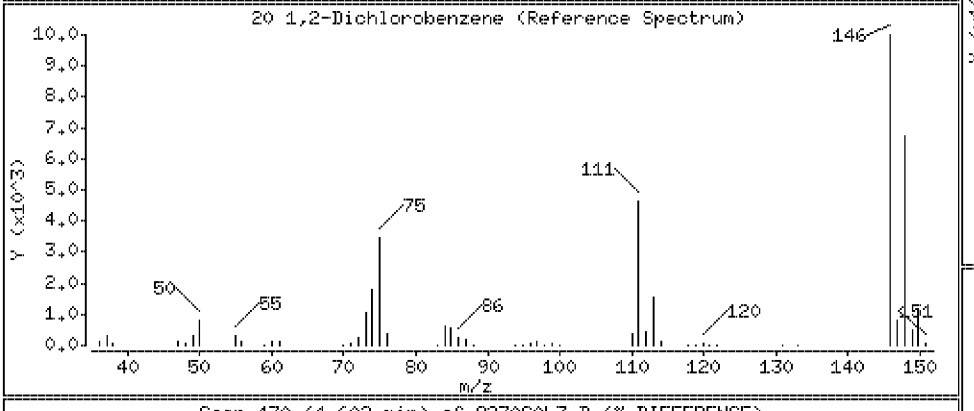
Column diameter: 0.25

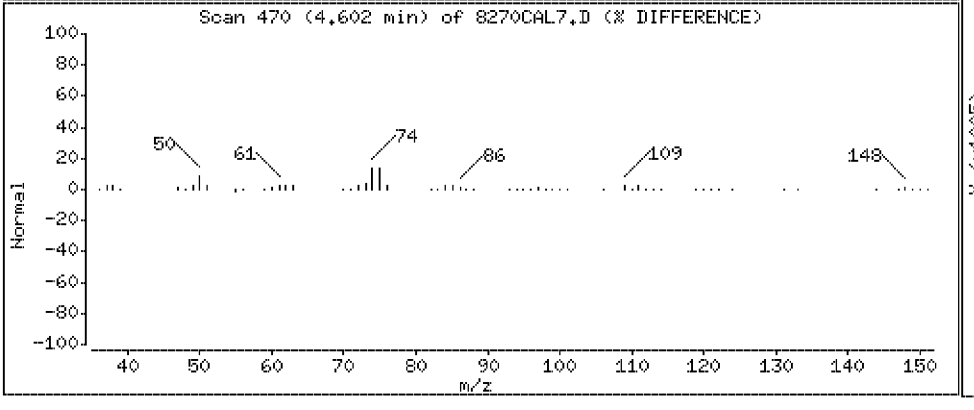
20 1,2-Dichlorobenzene

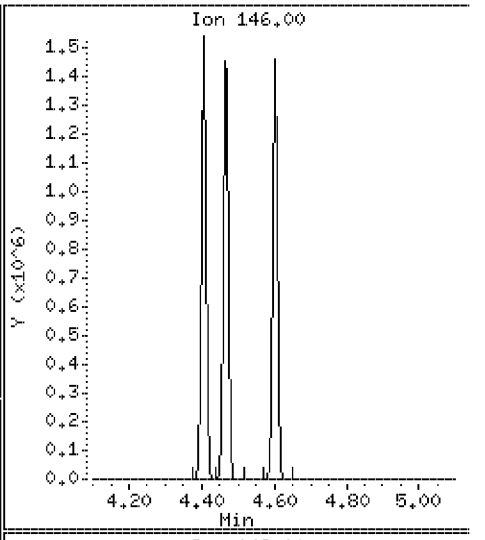
Concentration: 103 ug/l

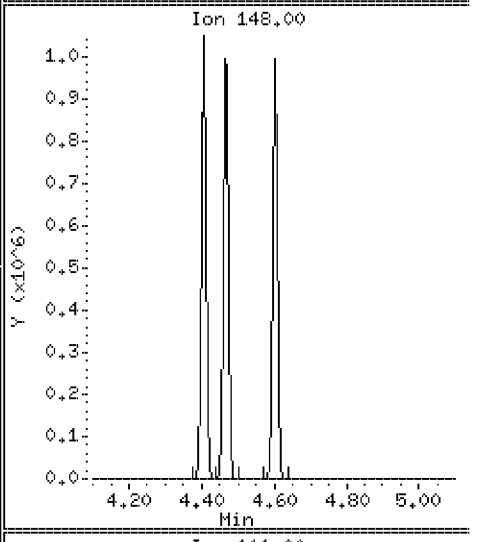


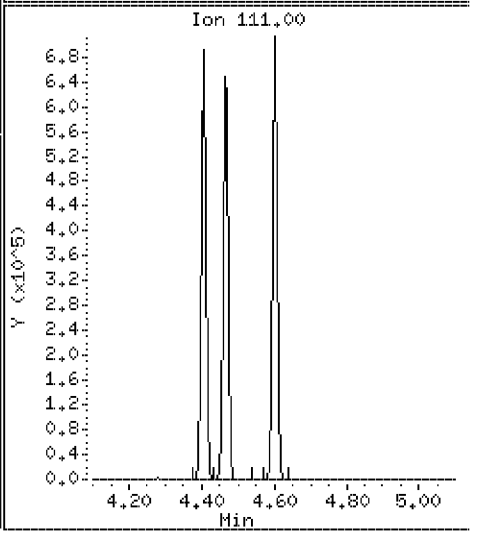












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

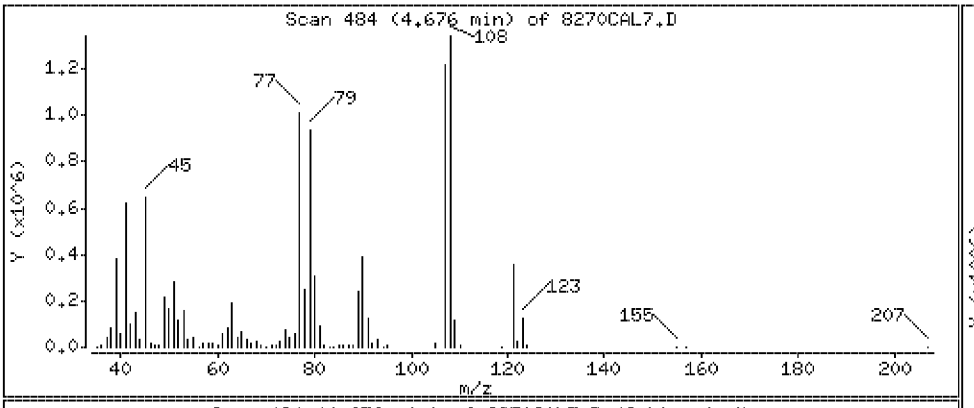
Operator: PEL

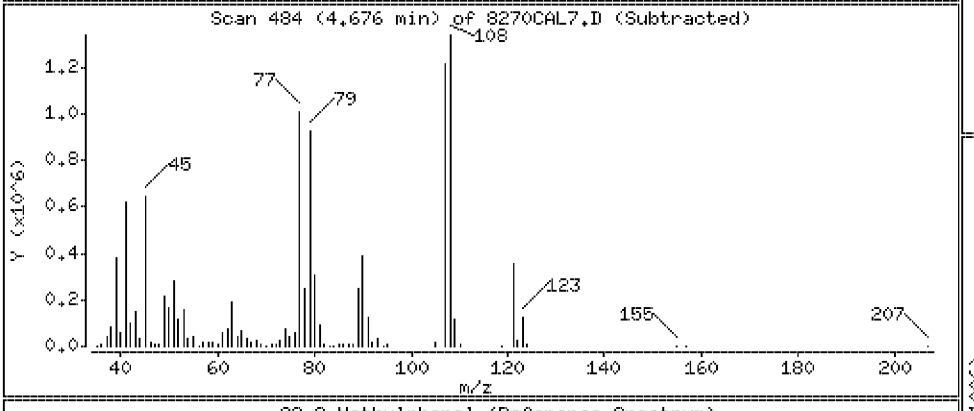
Column phase: HPMS-5

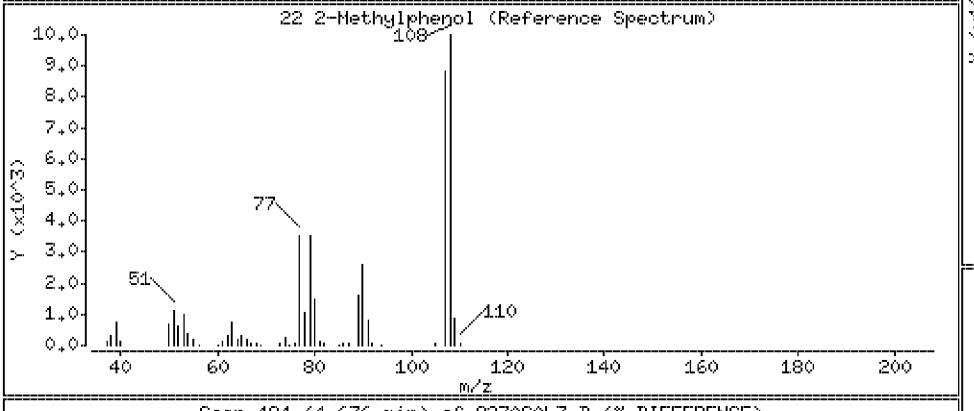
Column diameter: 0.25

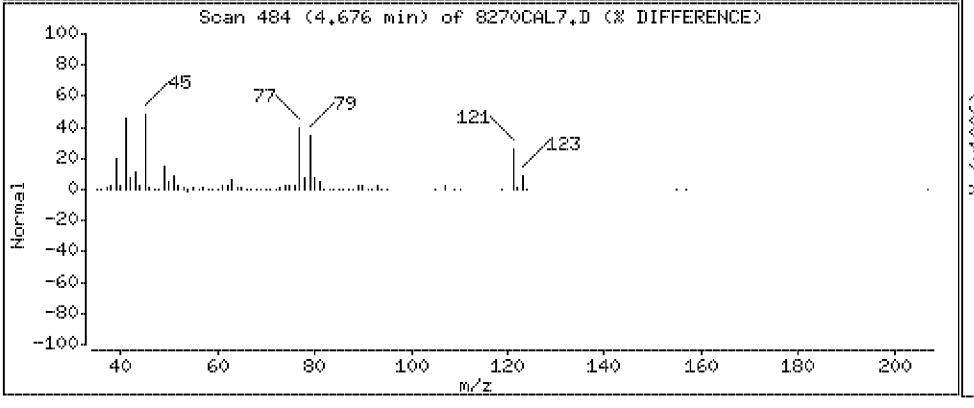
22 2-Methylphenol

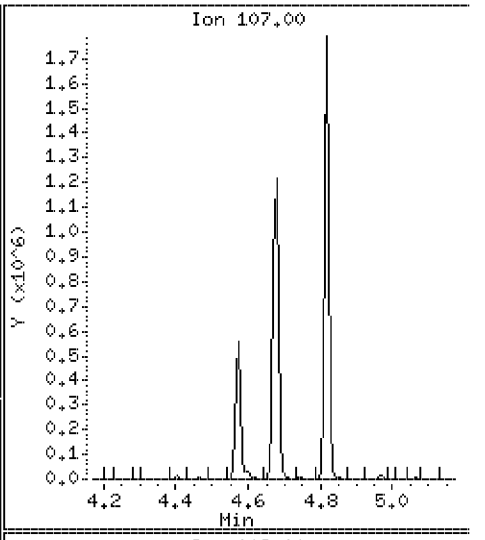
Concentration: 111 ug/l

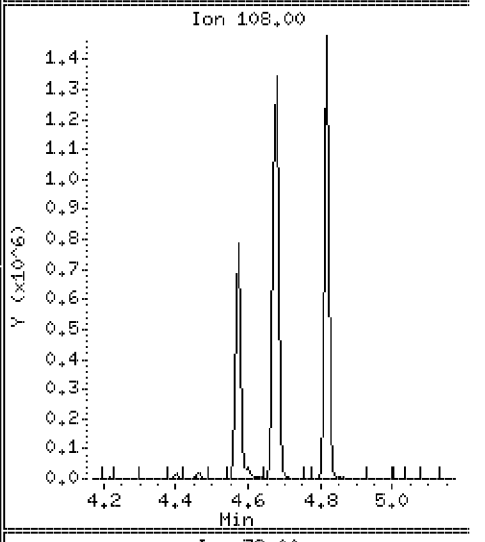


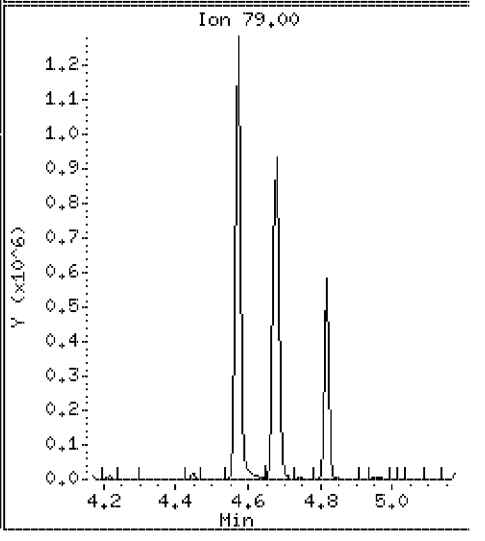












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

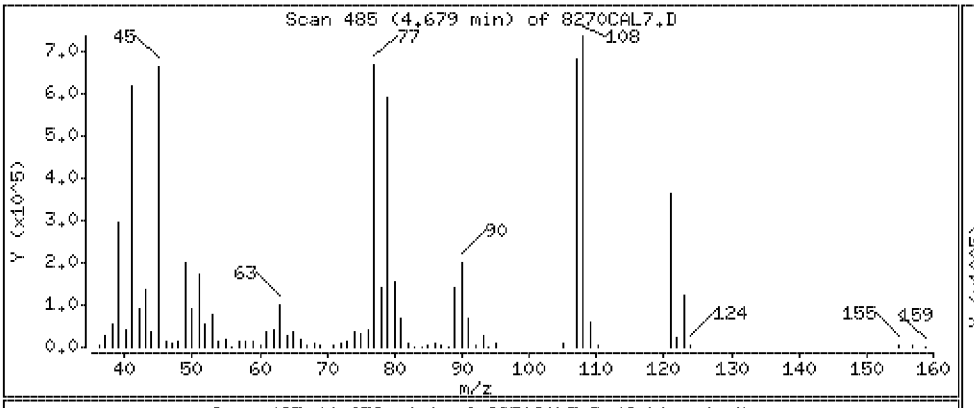
Operator: PEL

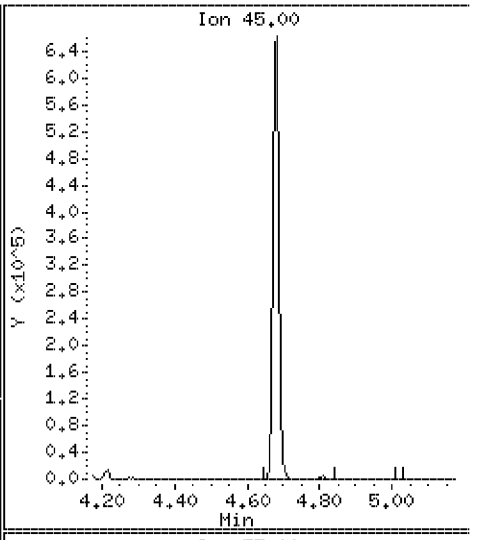
Column phase: HPMS-5

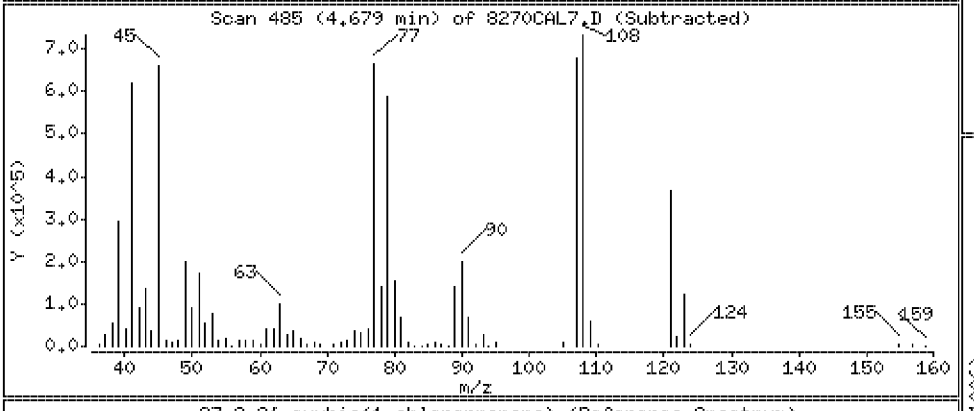
Column diameter: 0.25

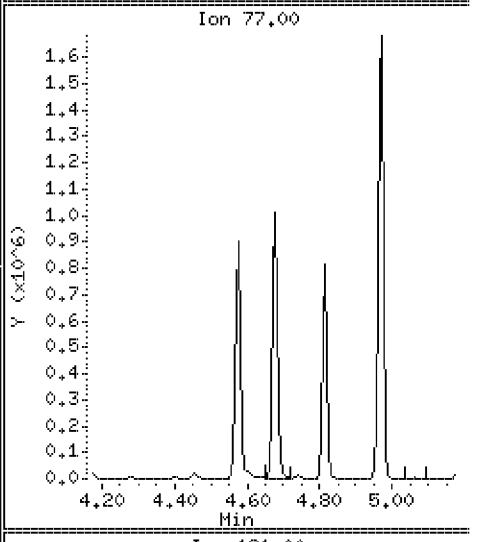
23 2,2'-oxybis(1-chloropropane)

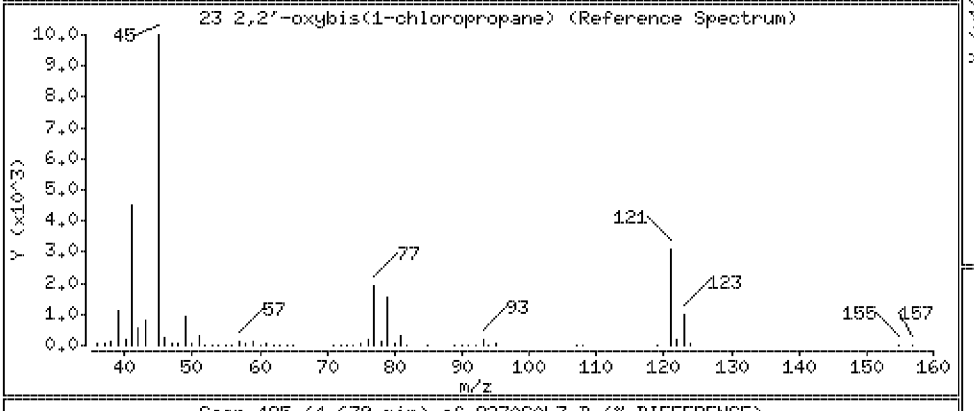
Concentration: 107 ug/l

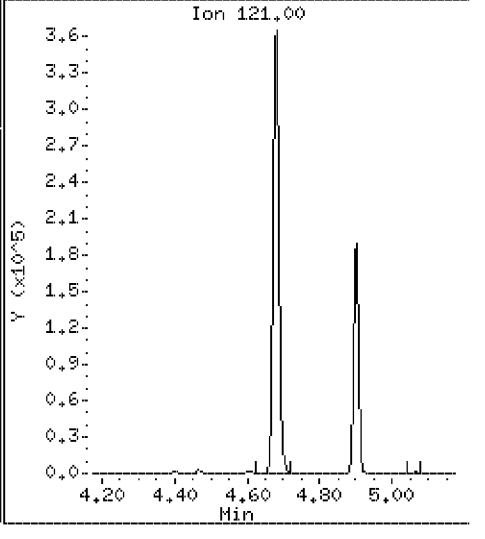


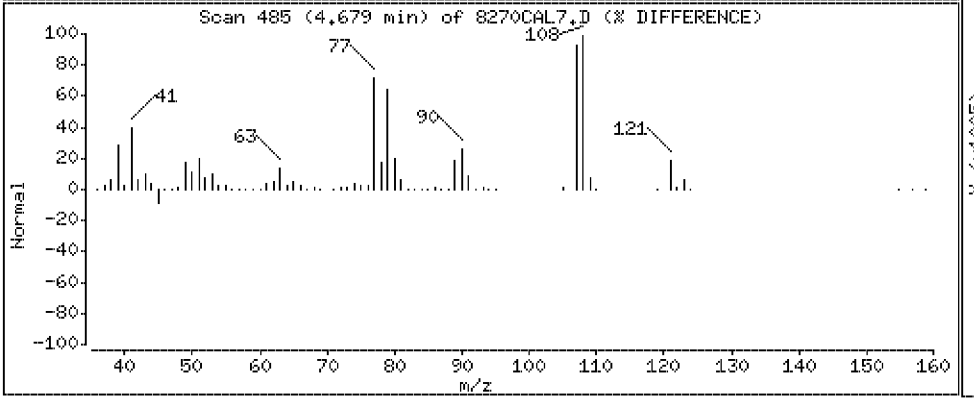












Date : 23-APR-2012 10:23

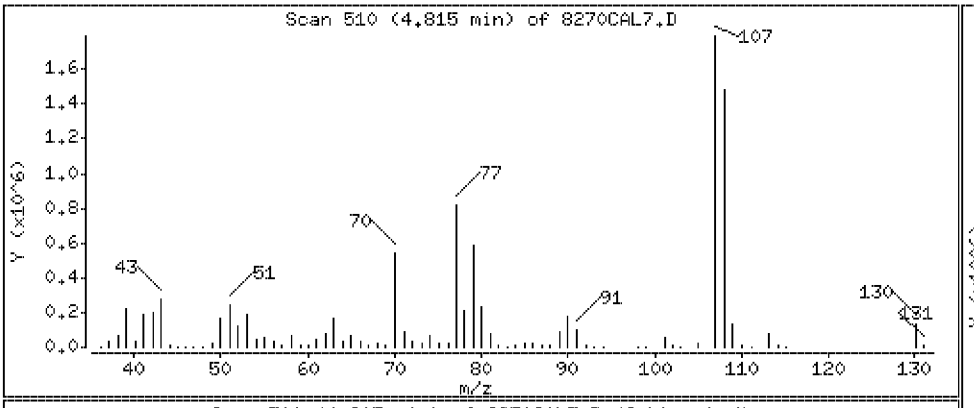
Client ID: 8270CAL7 Instrument: smsd03.i

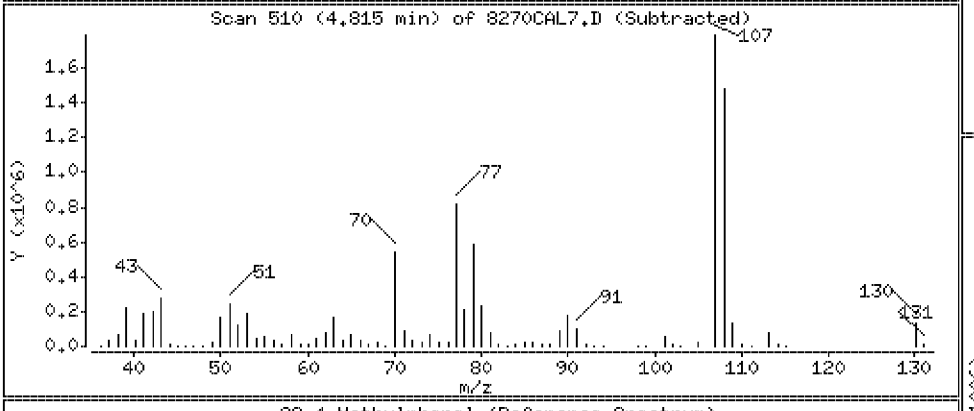
Sample Info: 45921

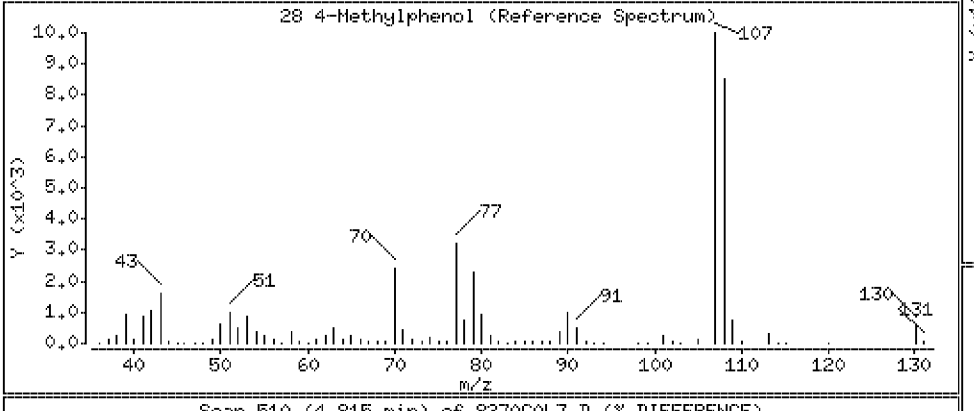
Purge Volume: 1000.0 Operator: PEL

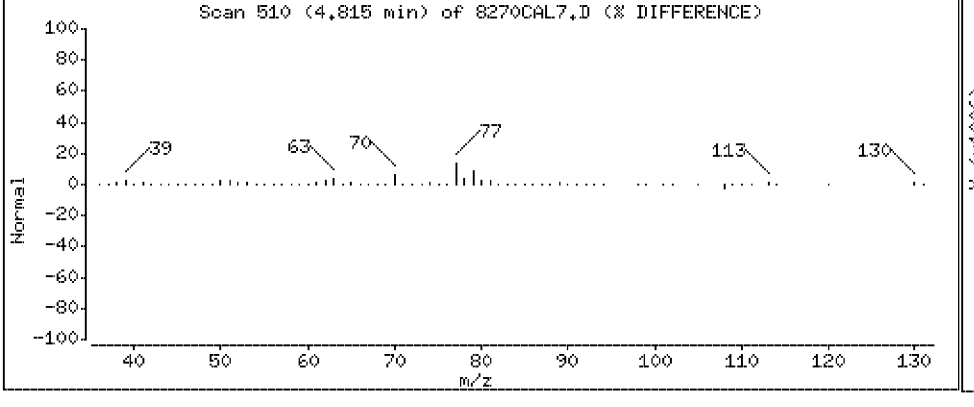
Column phase: HPMS-5 Column diameter: 0.25

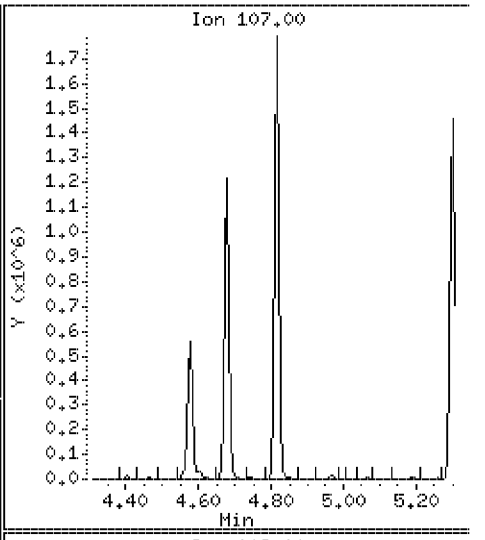
28 4-Methylphenol Concentration: 108 ug/l

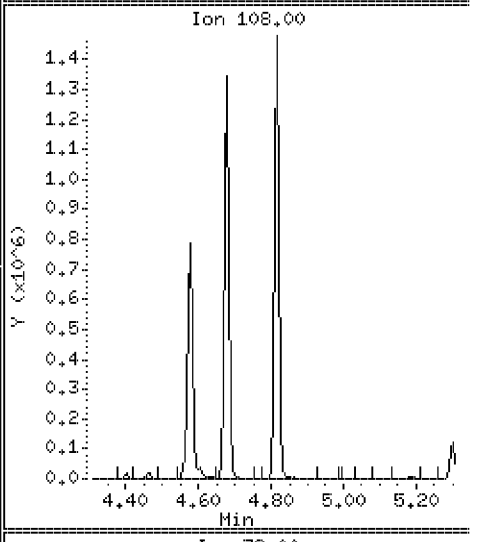


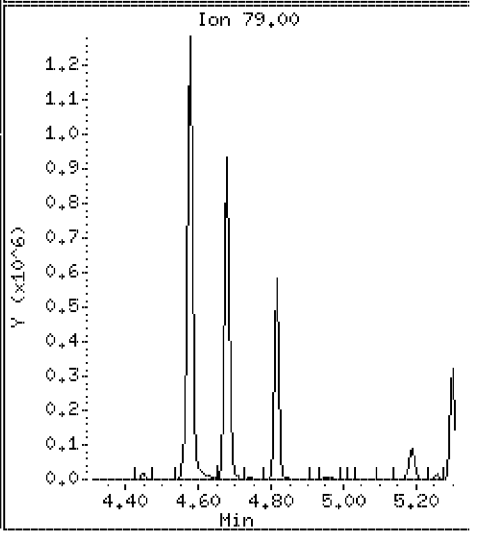












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

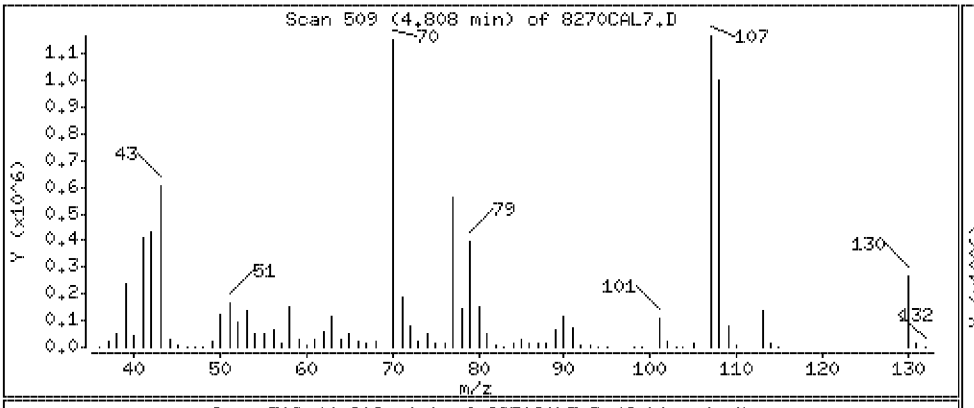
Operator: PEL

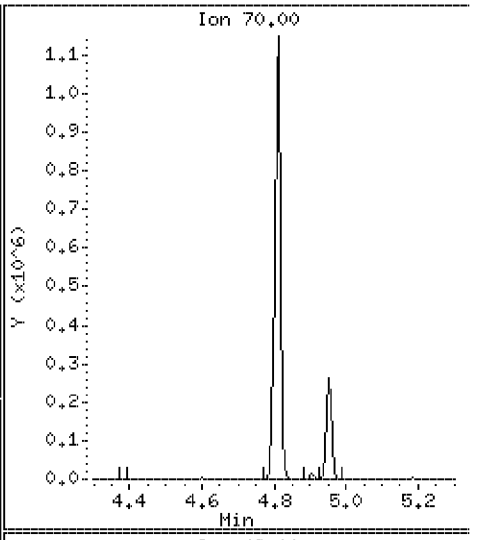
Column phase: HPMS-5

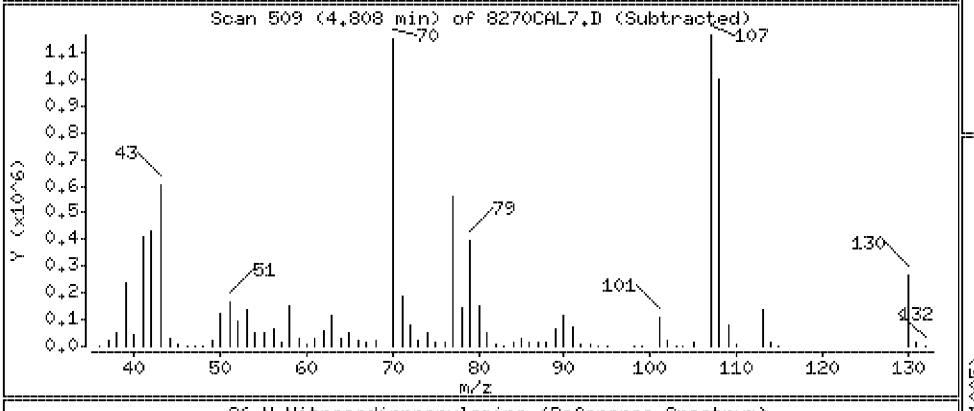
Column diameter: 0.25

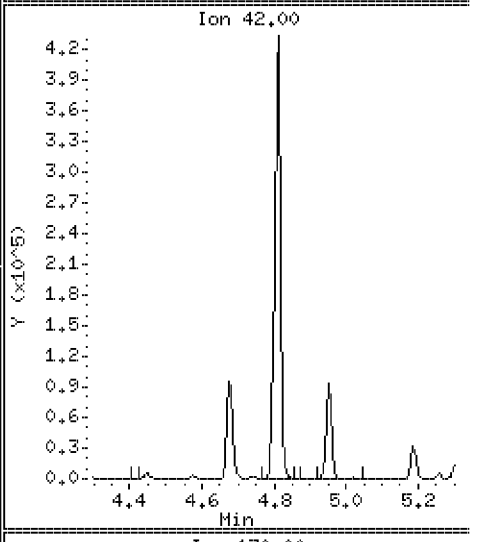
26 N-Nitrosodinpropylamine

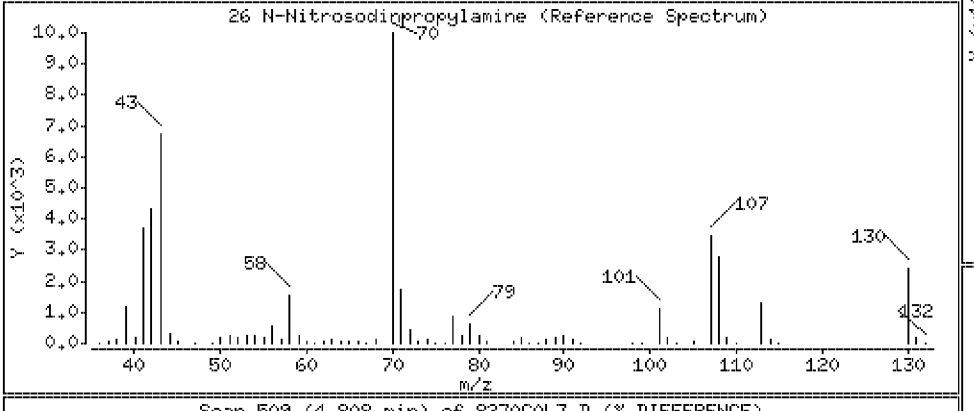
Concentration: 106 ug/l

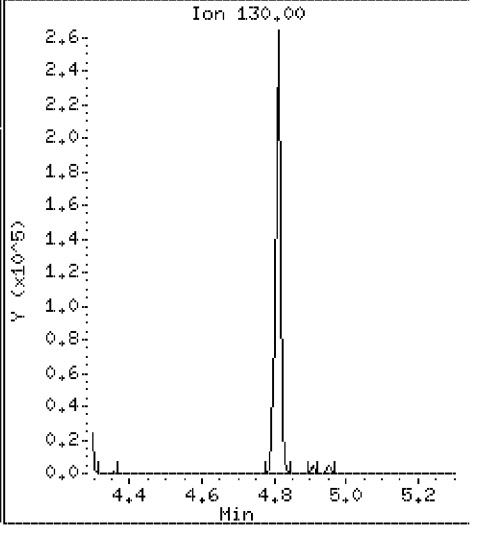


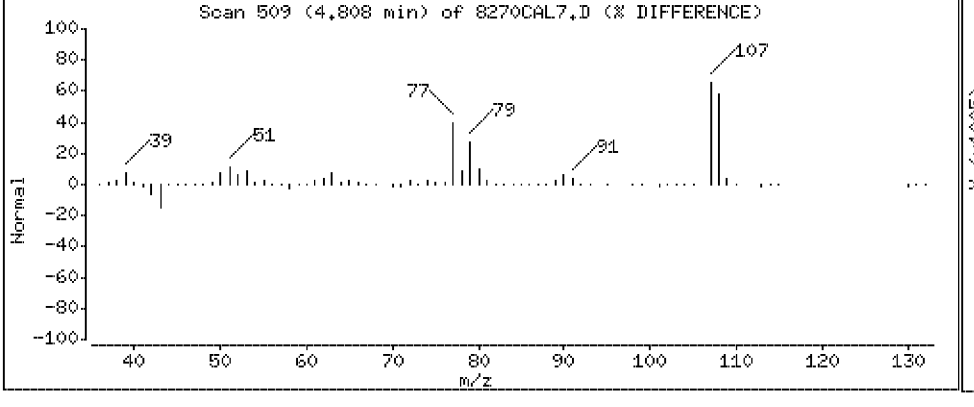












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

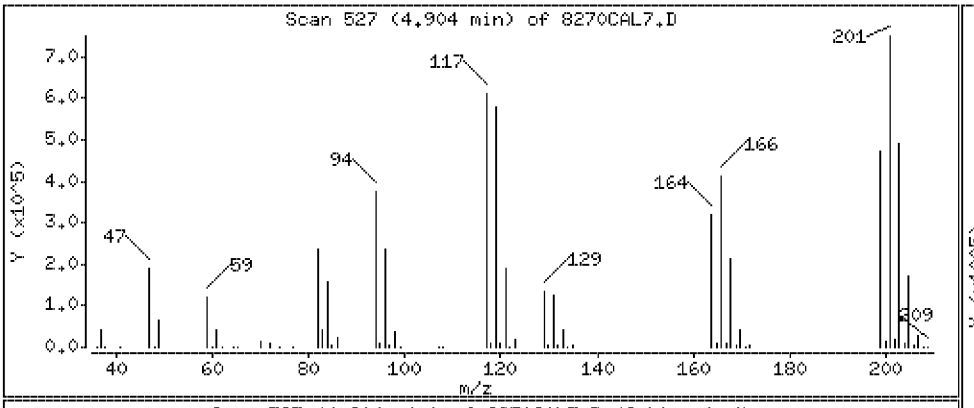
Operator: PEL

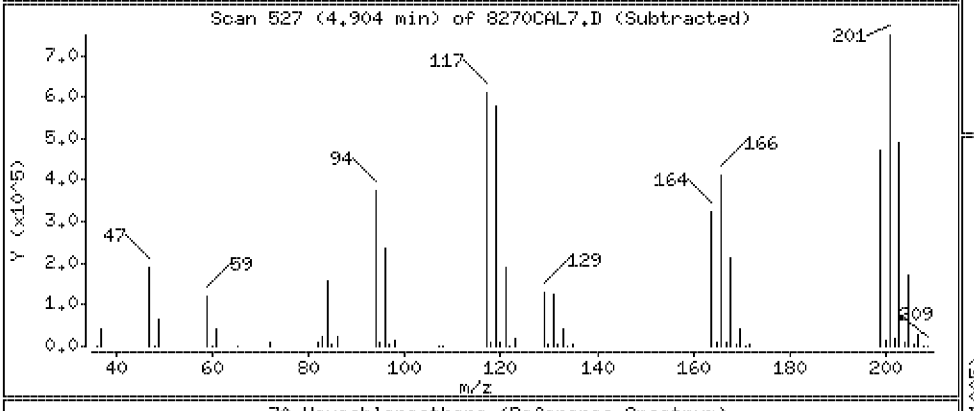
Column phase: HPMS-5

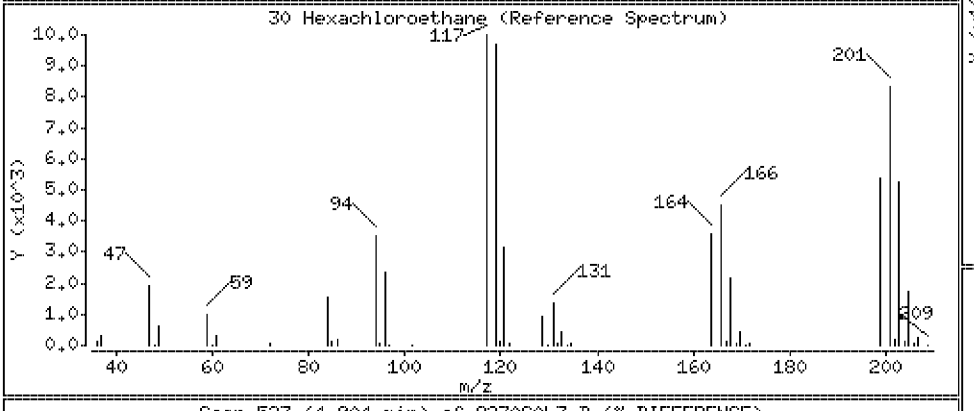
Column diameter: 0.25

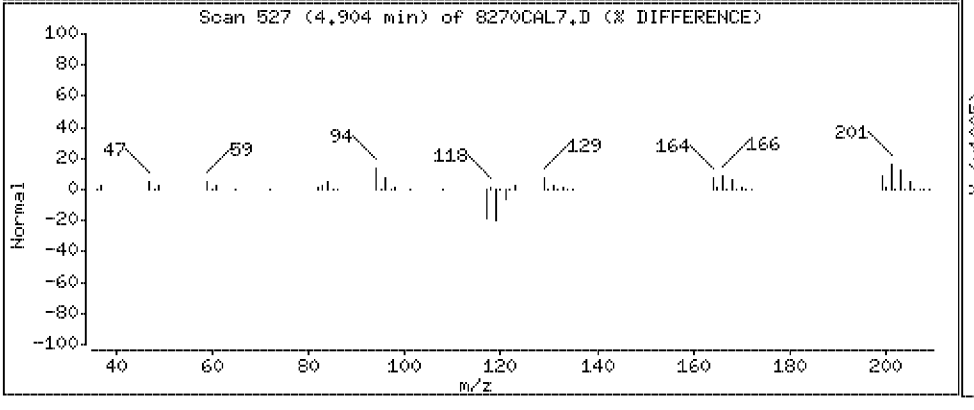
30 Hexachloroethane

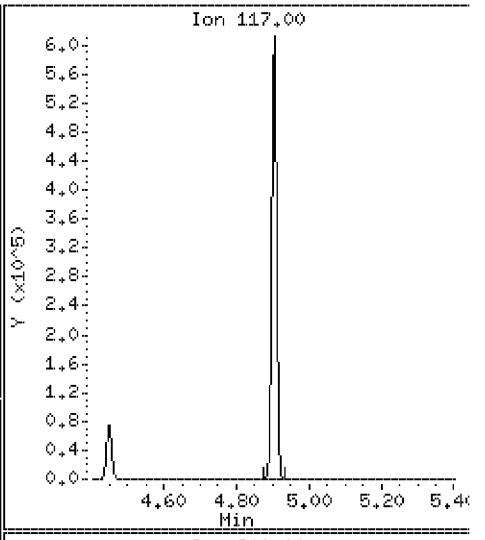
Concentration: 104 ug/l

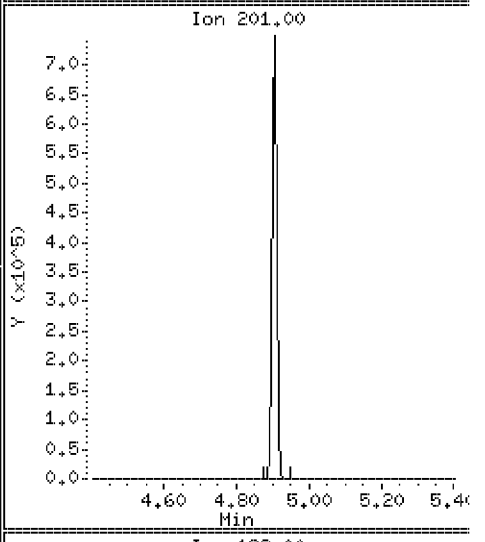


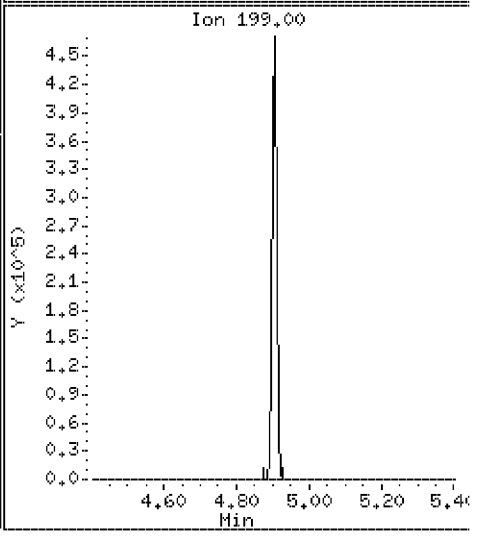












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

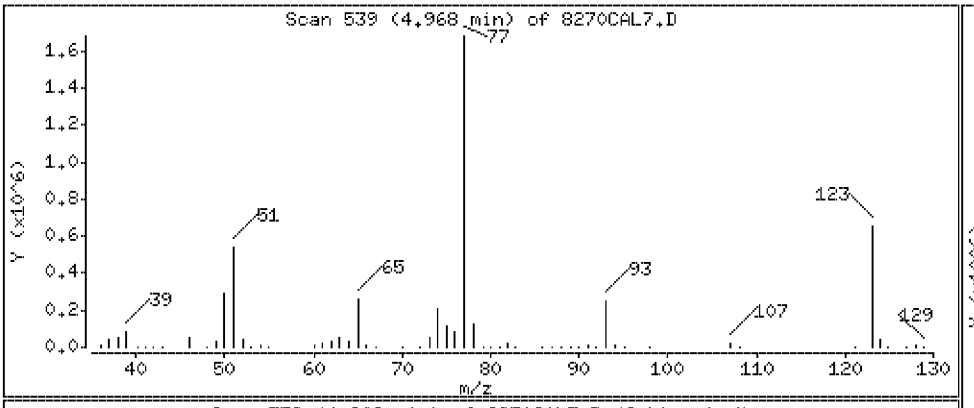
Operator: PEL

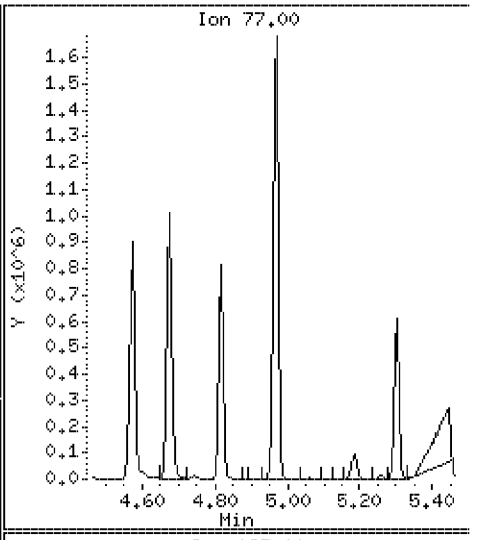
Column phase: HPMS-5

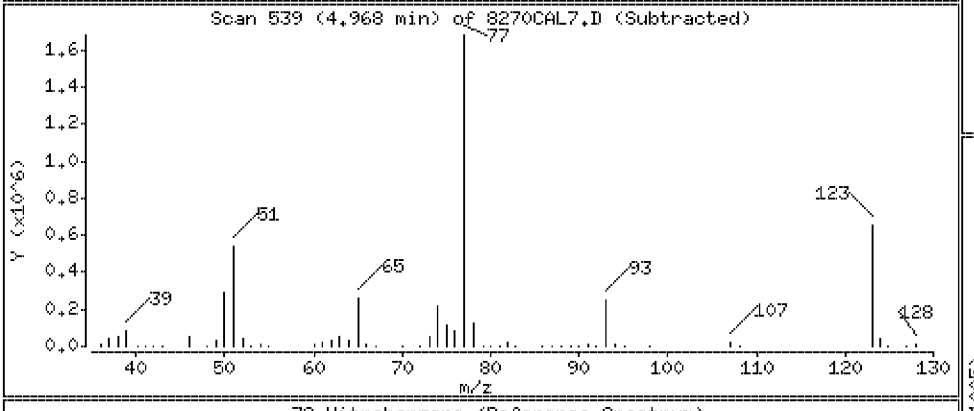
Column diameter: 0.25

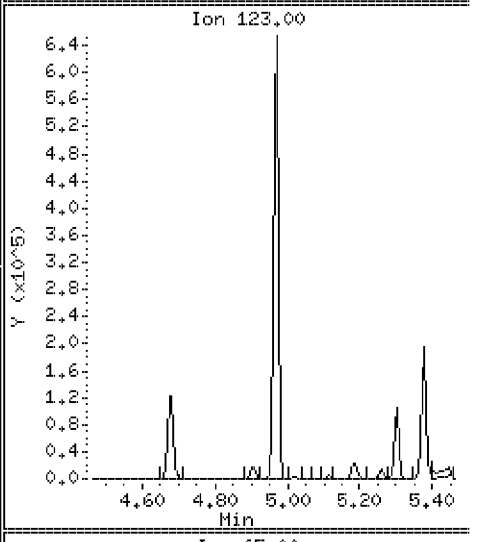
32 Nitrobenzene

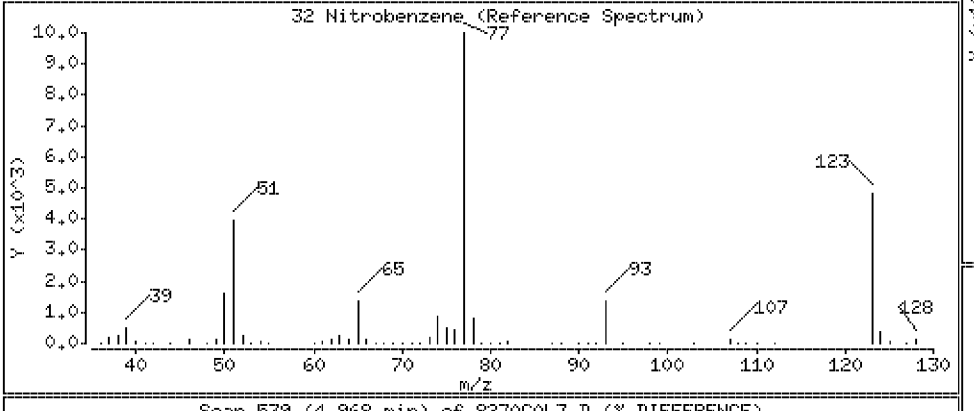
Concentration: 101 ug/l

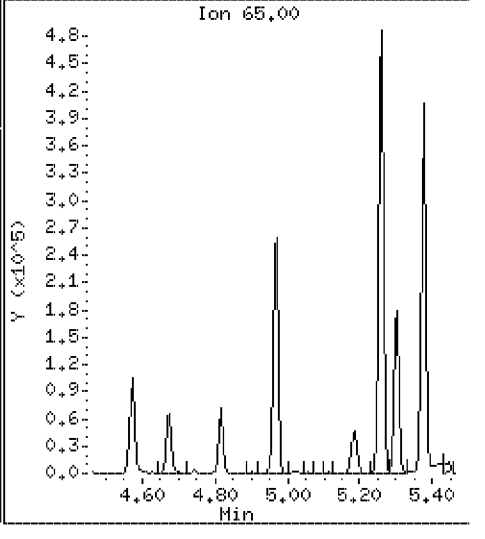


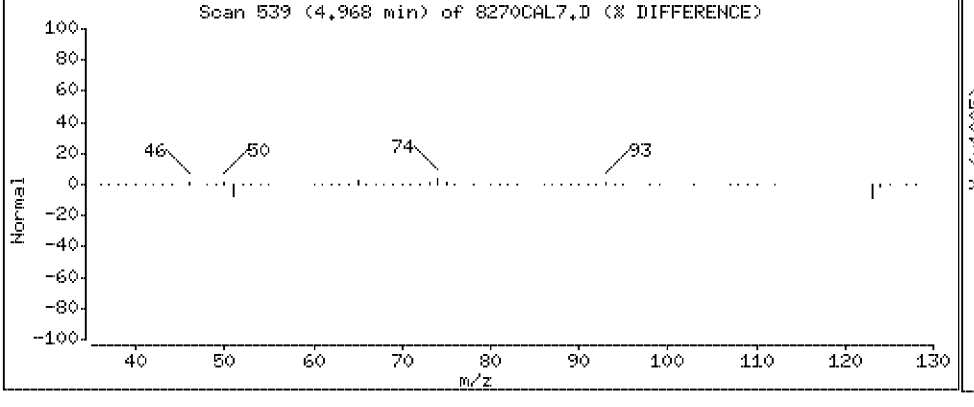












Date : 23-APR-2012 10:23

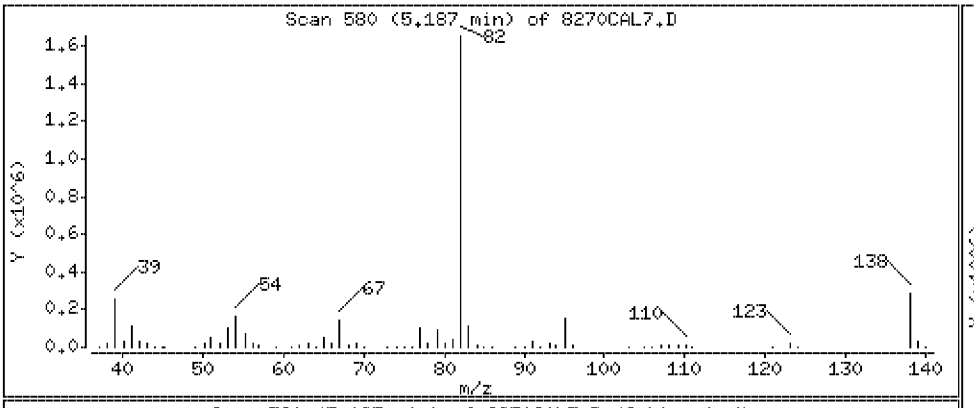
Client ID: 8270CAL7 Instrument: smsd03.i

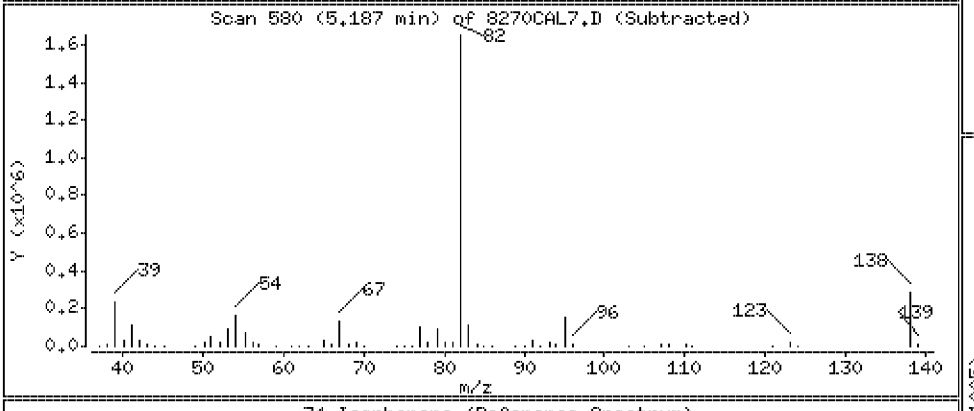
Sample Info: 45921

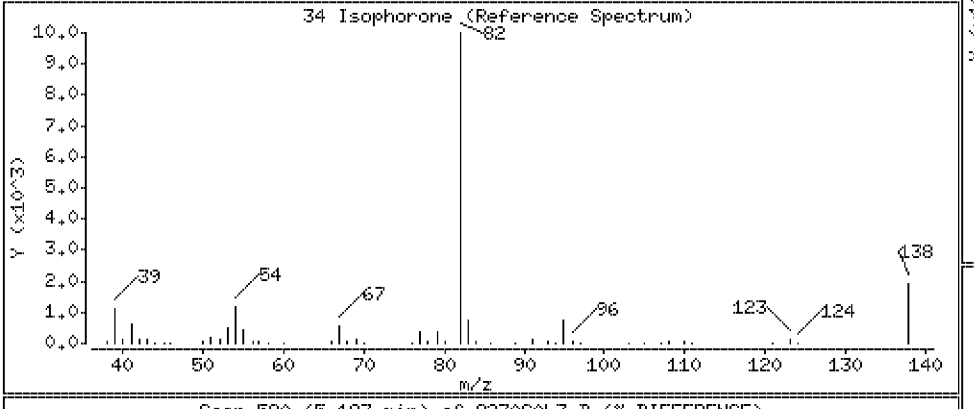
Purge Volume: 1000.0 Operator: PEL

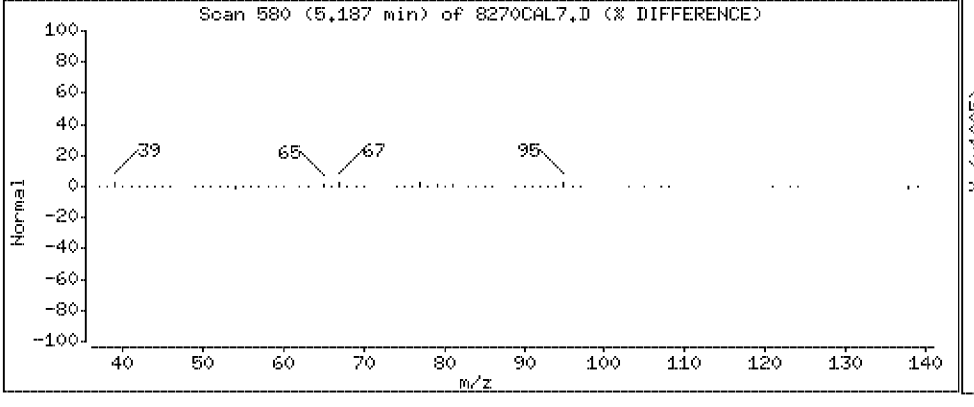
Column phase: HPMS-5 Column diameter: 0.25

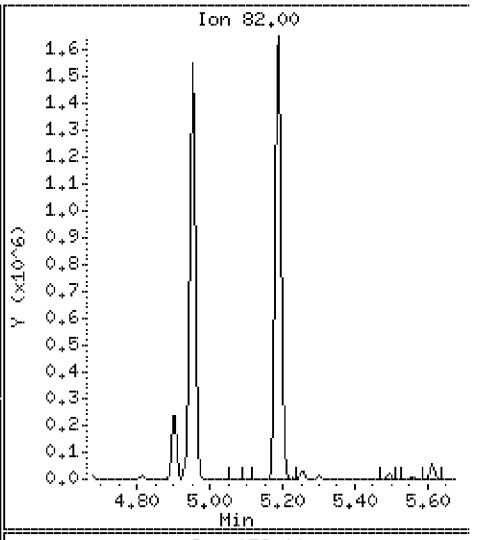
34 Isophorone Concentration: 100 ug/l

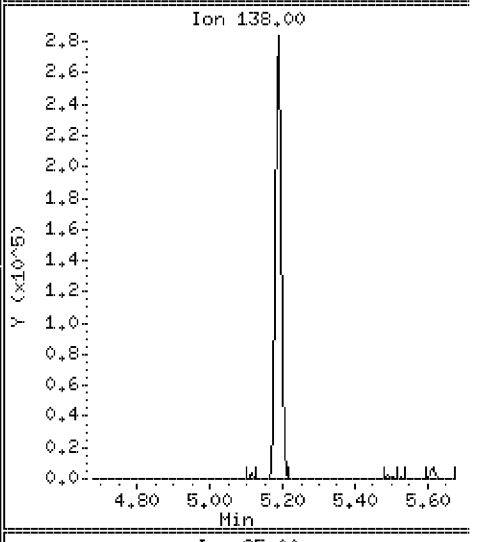


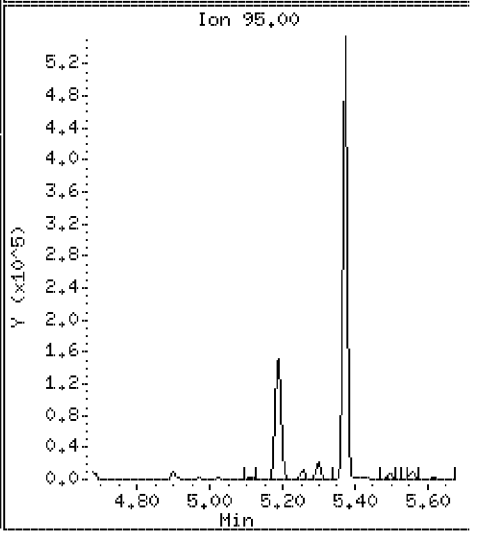












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

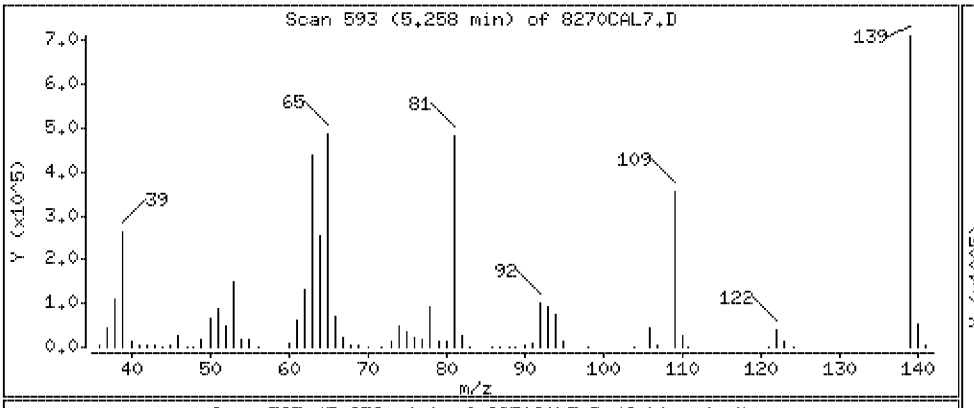
Operator: PEL

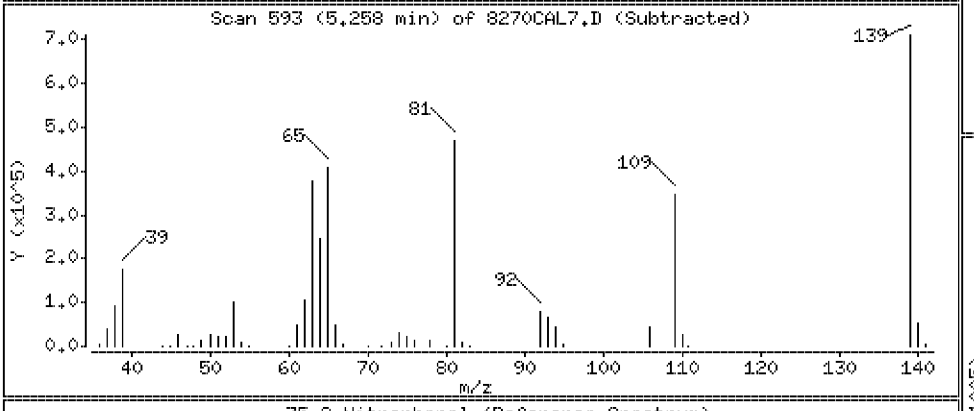
Column phase: HPMS-5

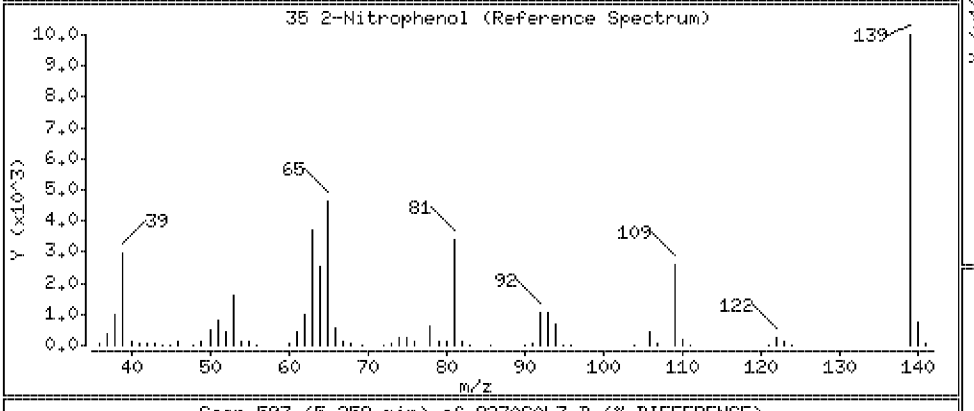
Column diameter: 0.25

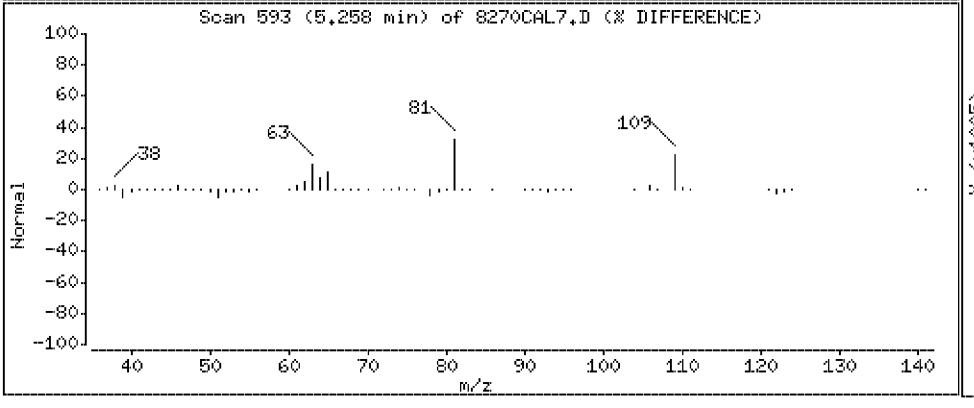
35 2-Nitrophenol

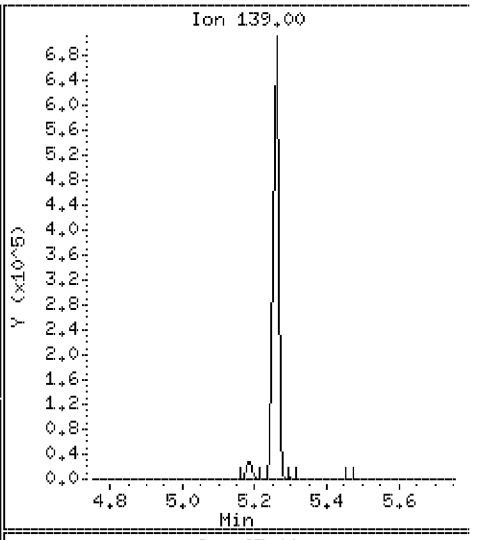
Concentration: 107 ug/l

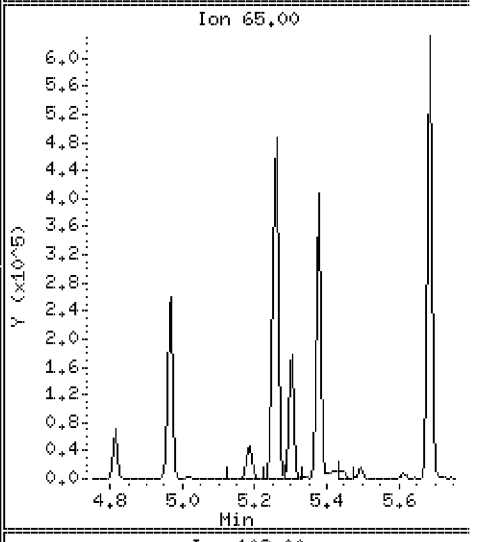


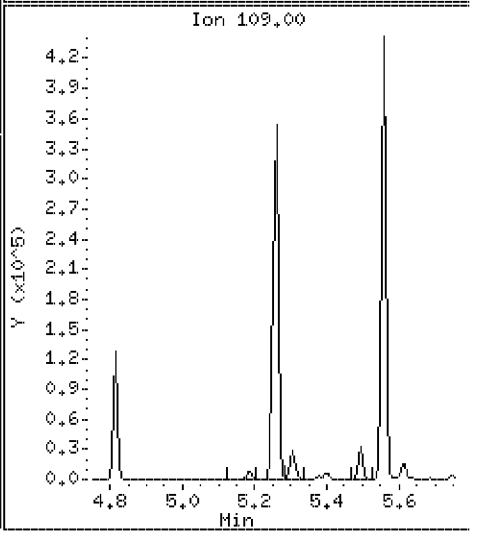












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

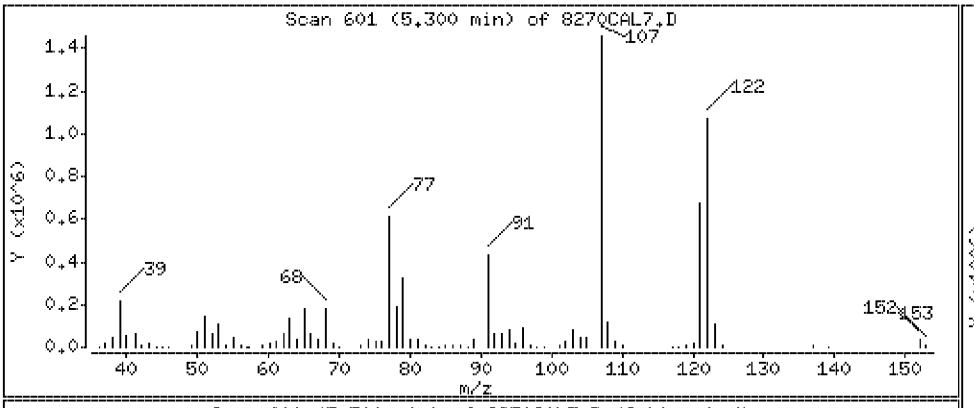
Operator: PEL

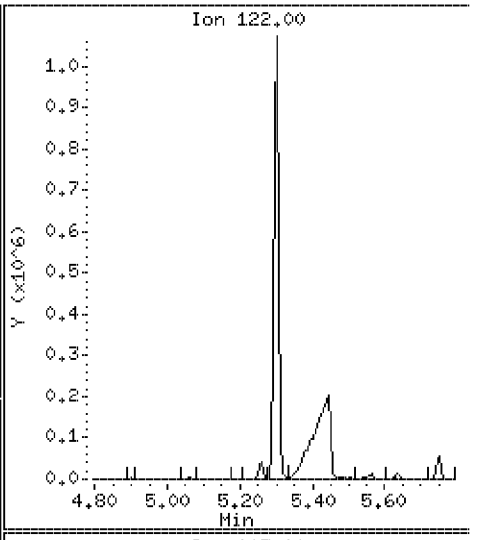
Column phase: HPMS-5

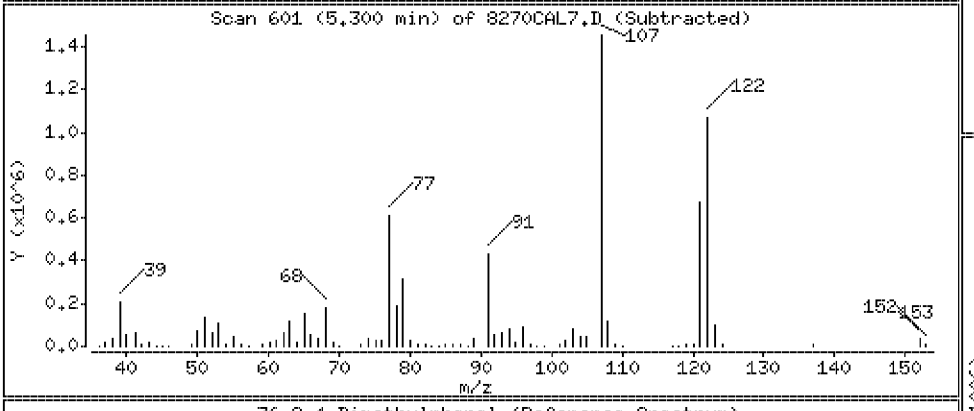
Column diameter: 0.25

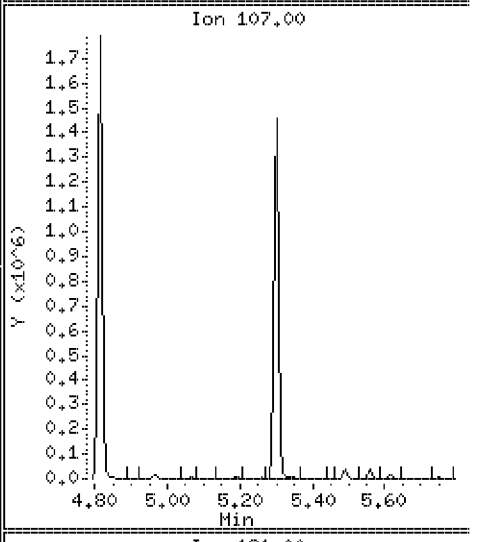
36 2,4-Dimethylphenol

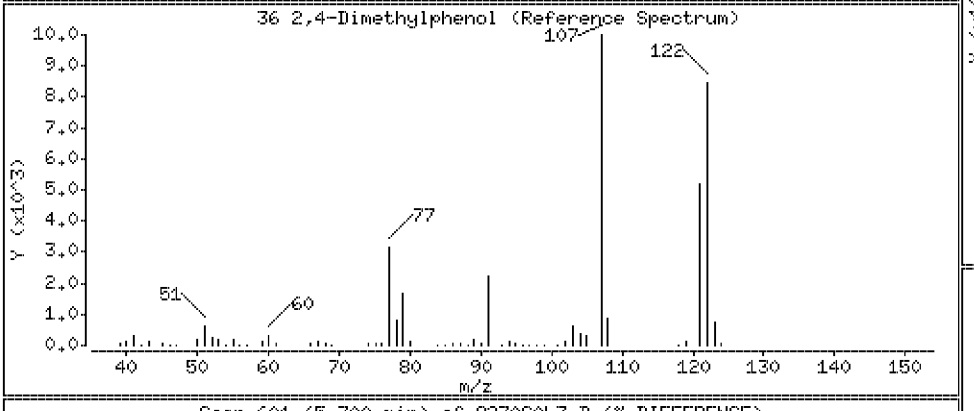
Concentration: 103 ug/l

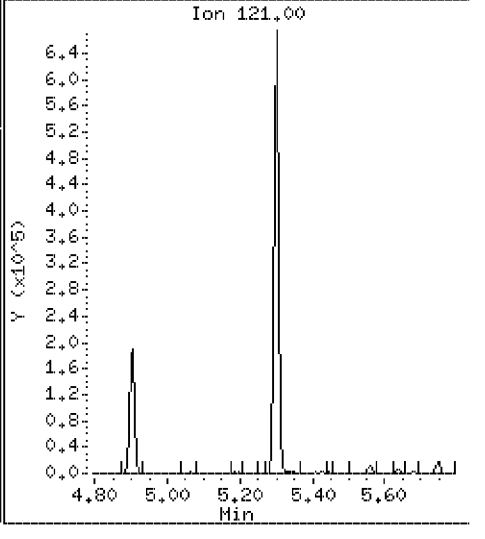


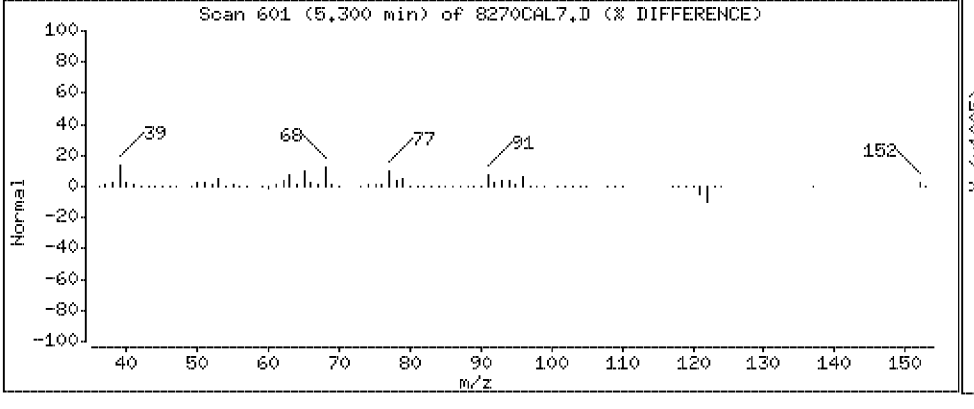












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

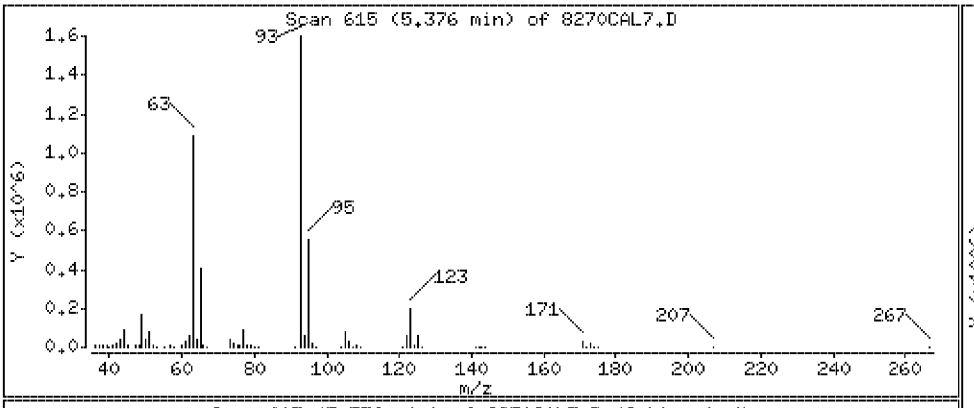
Operator: PEL

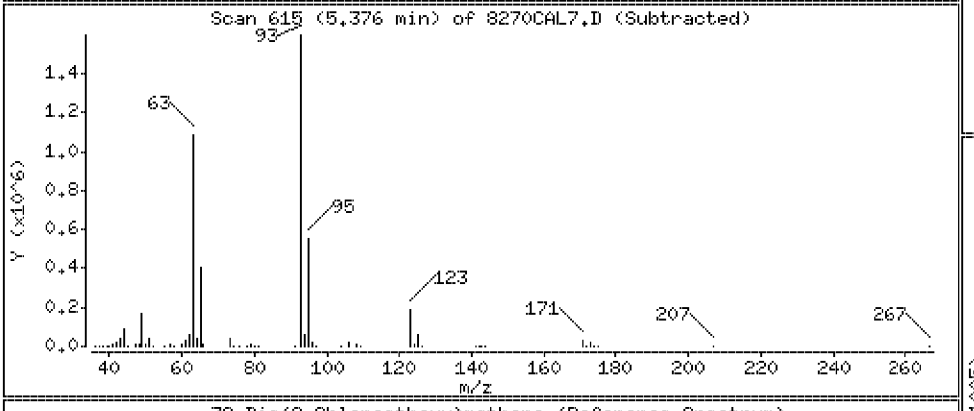
Column phase: HPMS-5

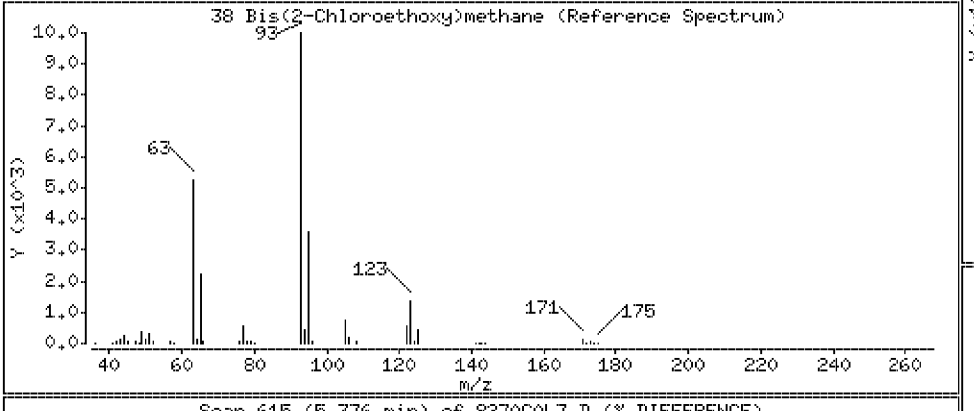
Column diameter: 0.25

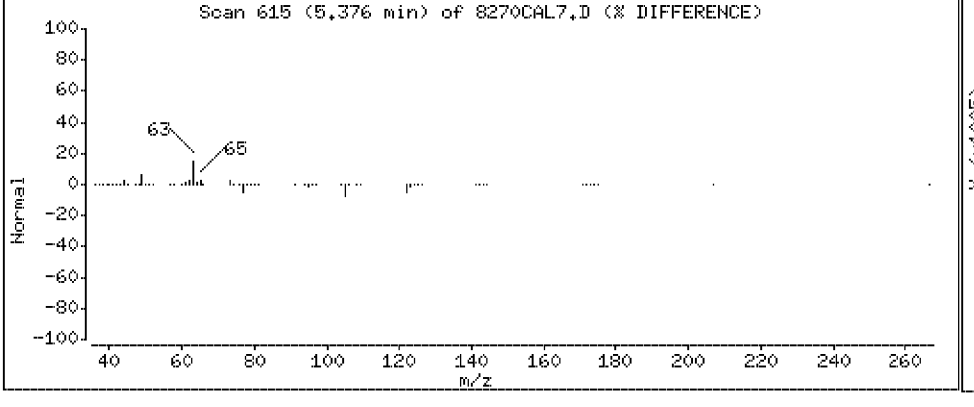
38 Bis(2-Chloroethoxy)methane

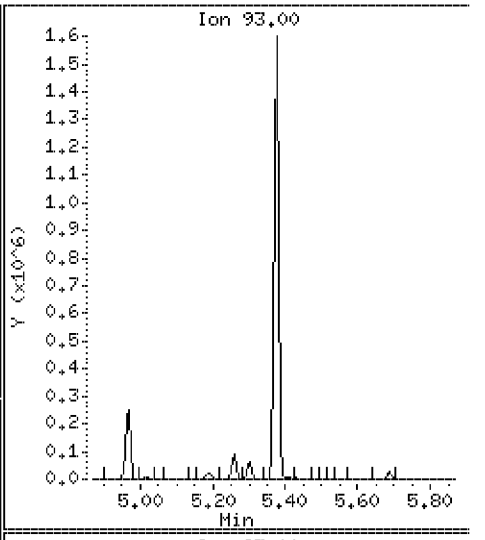
Concentration: 104 ug/l

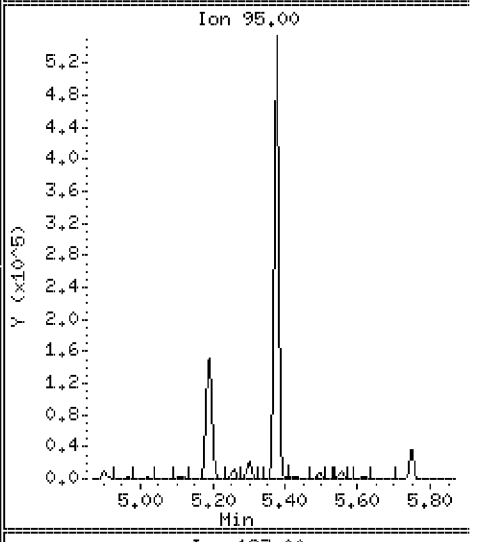


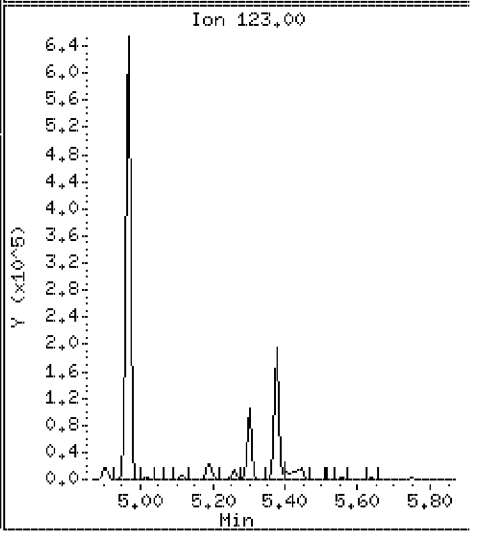












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

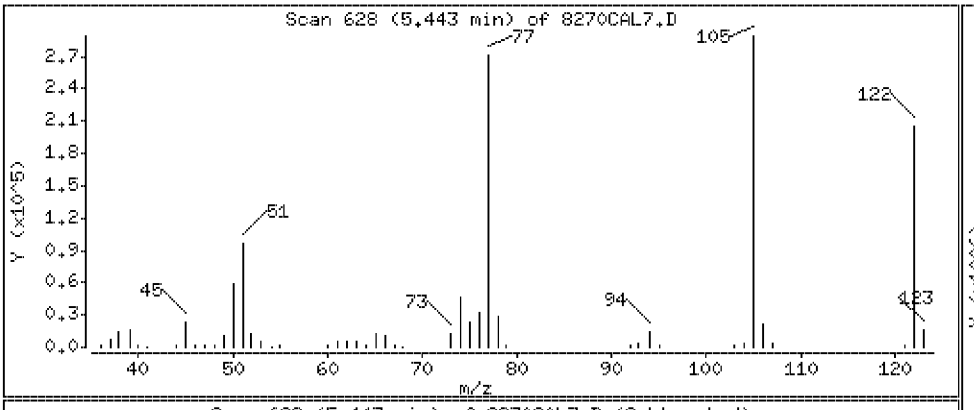
Operator: PEL

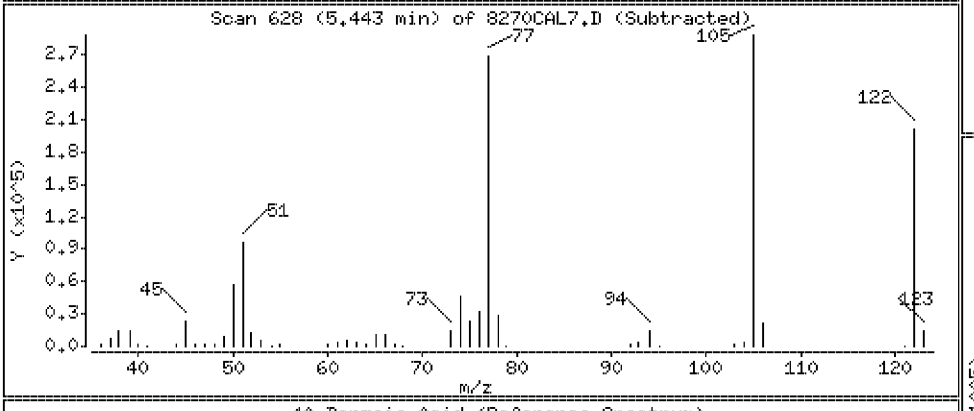
Column phase: HPMS-5

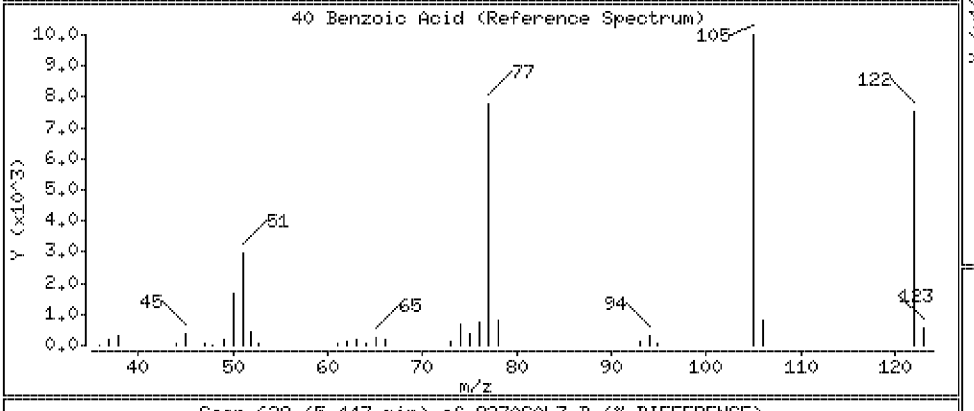
Column diameter: 0.25

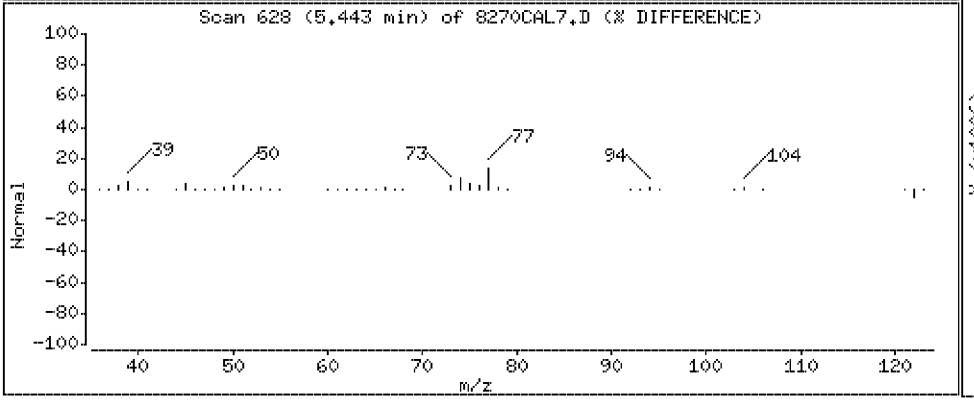
40 Benzoic Acid

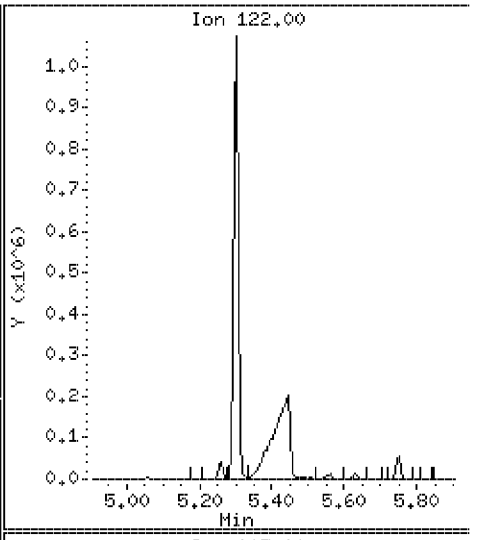
Concentration: 100 ug/l

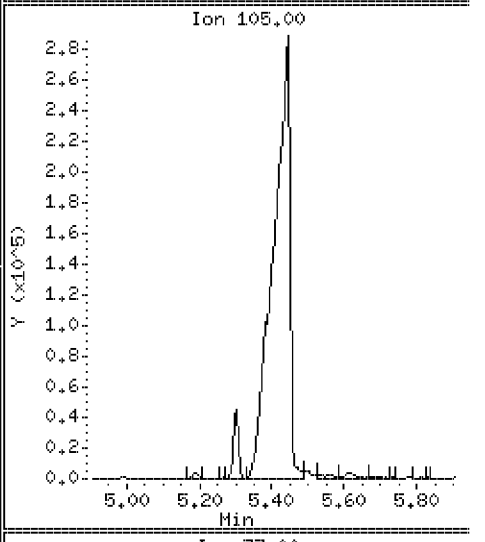


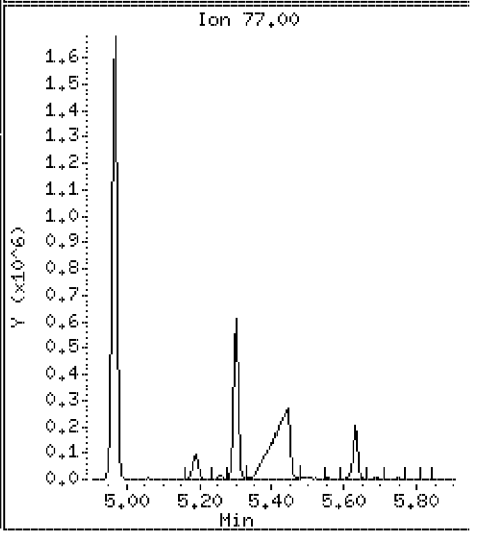












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

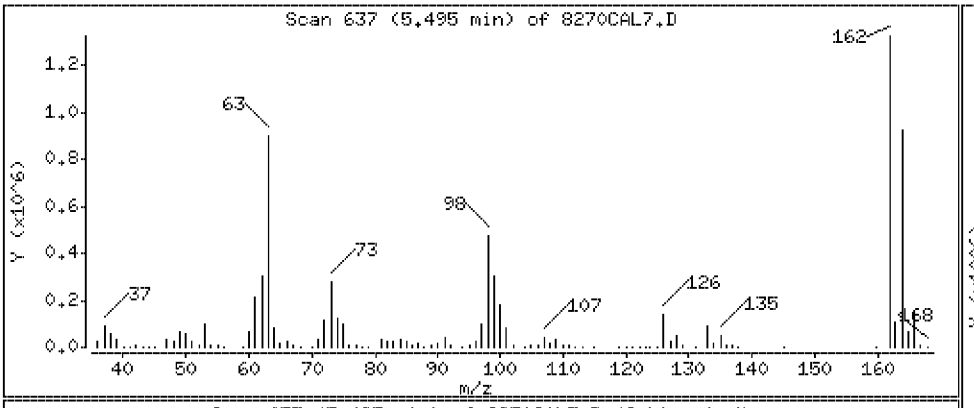
Operator: PEL

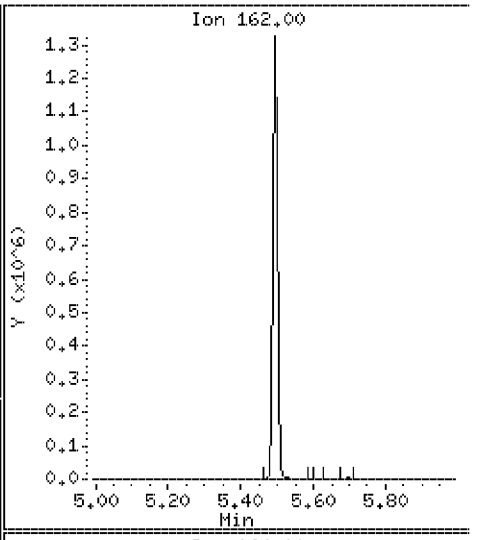
Column phase: HPMS-5

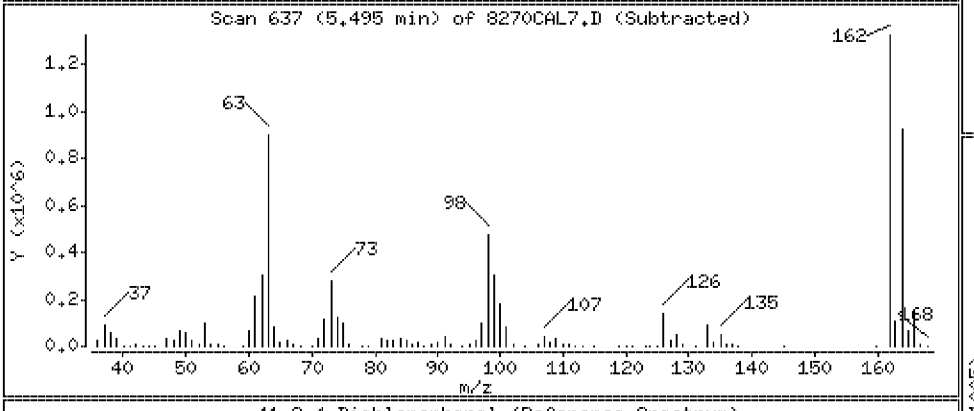
Column diameter: 0.25

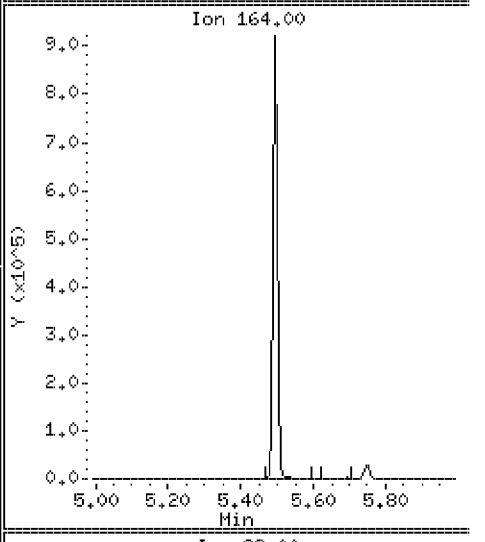
41 2,4-Dichlorophenol

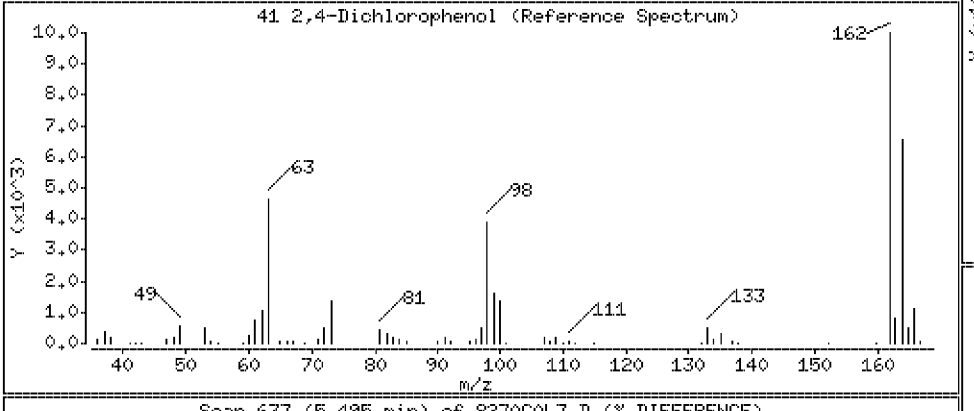
Concentration: 107 ug/l

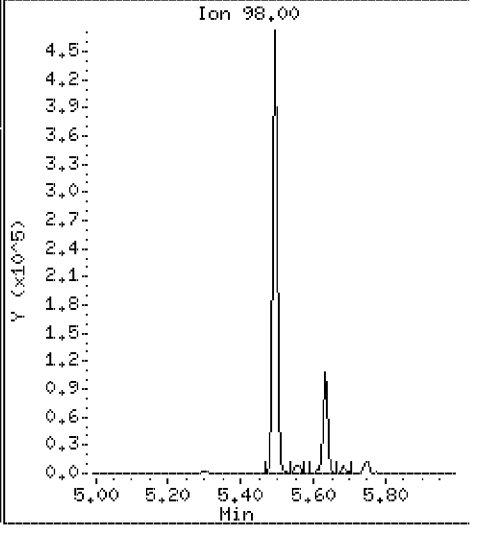


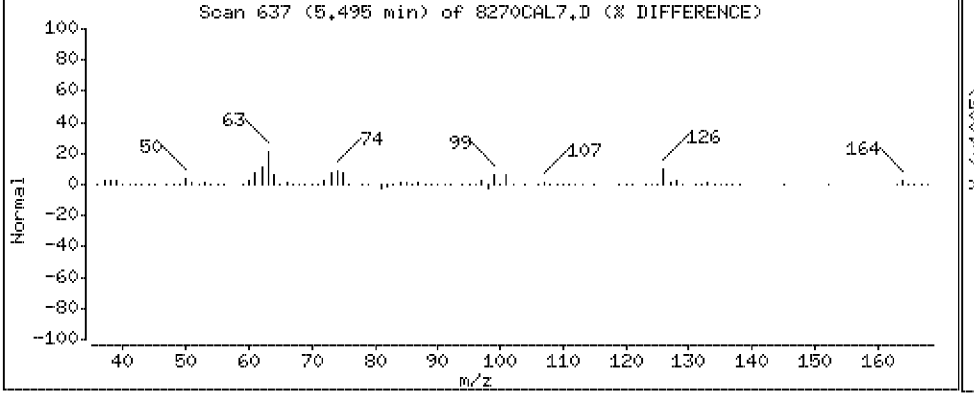












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

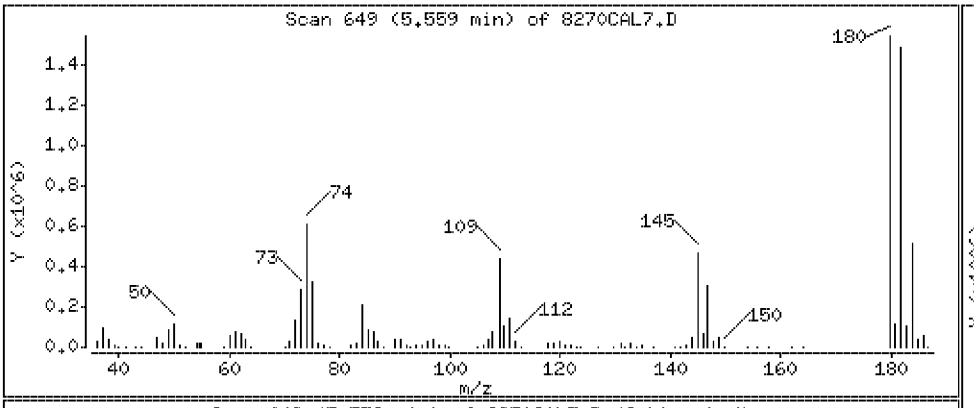
Operator: PEL

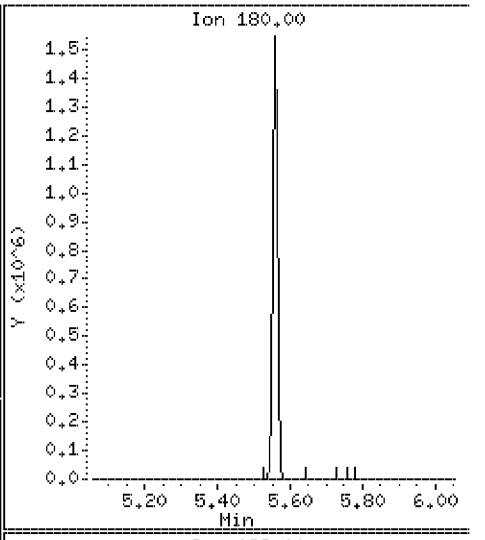
Column phase: HPMS-5

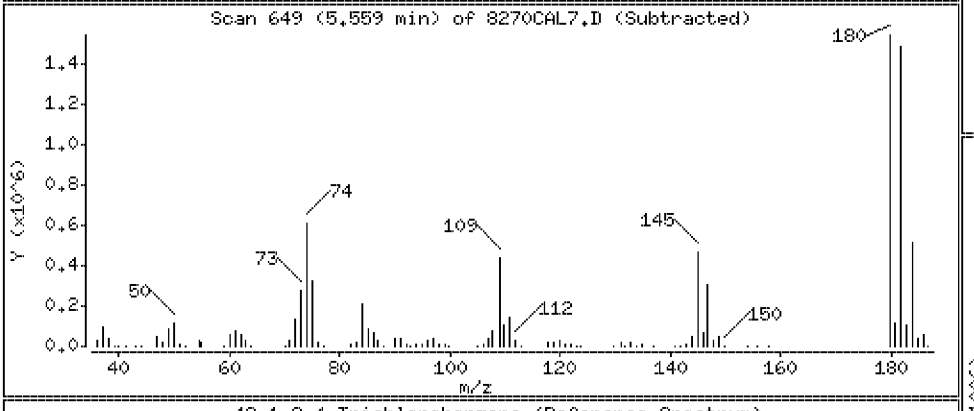
Column diameter: 0.25

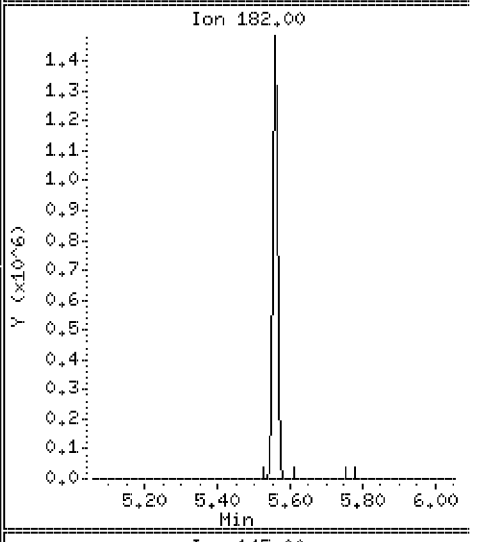
42 1,2,4-Trichlorobenzene

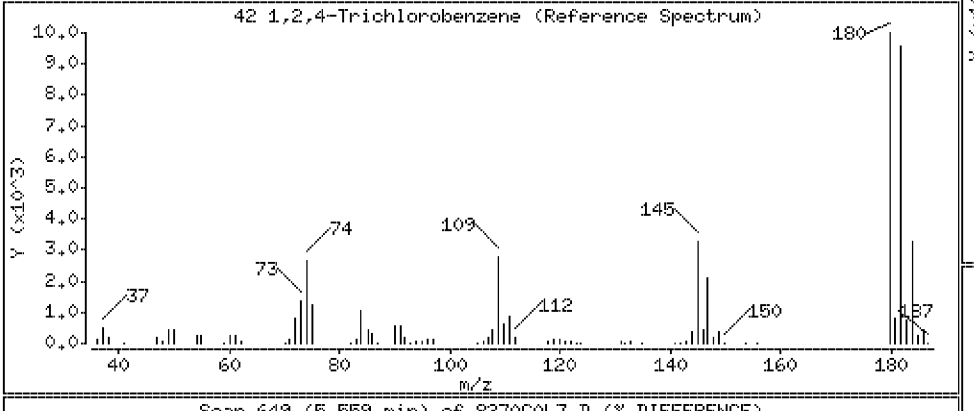
Concentration: 104 ug/l

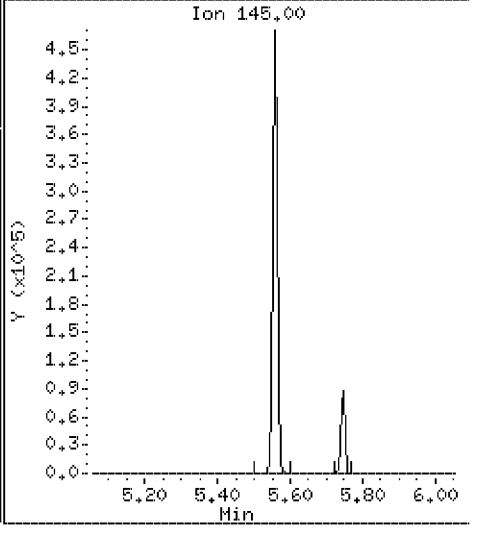


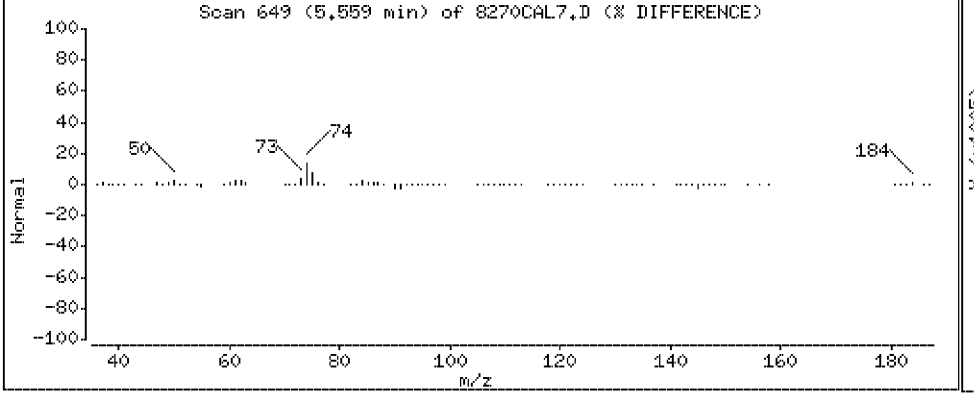












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

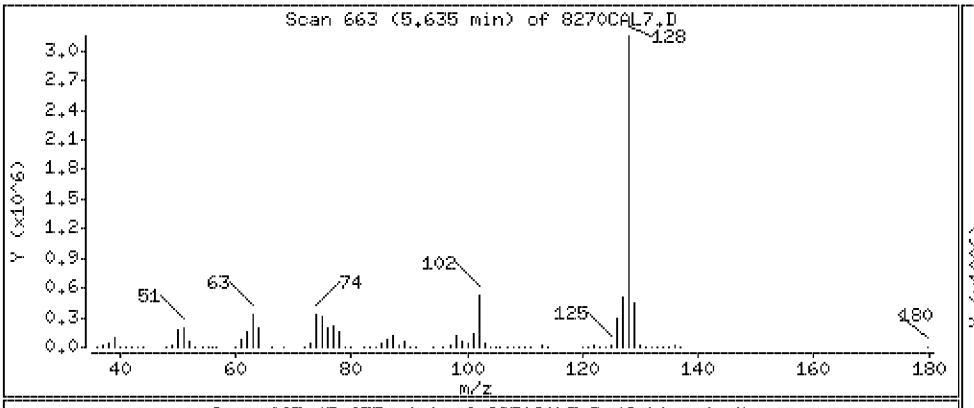
Operator: PEL

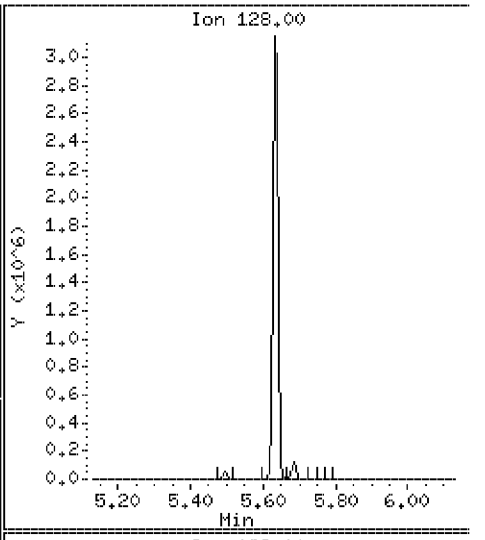
Column phase: HPMS-5

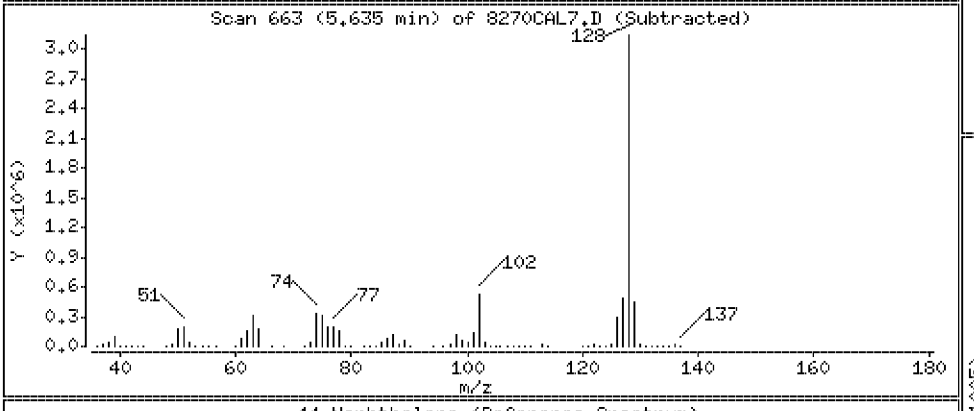
Column diameter: 0.25

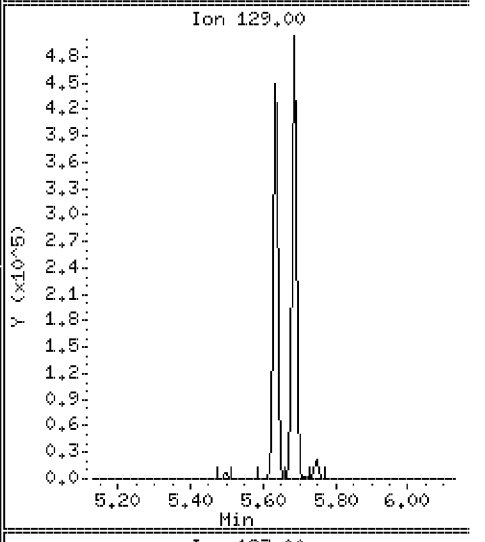
44 Naphthalene

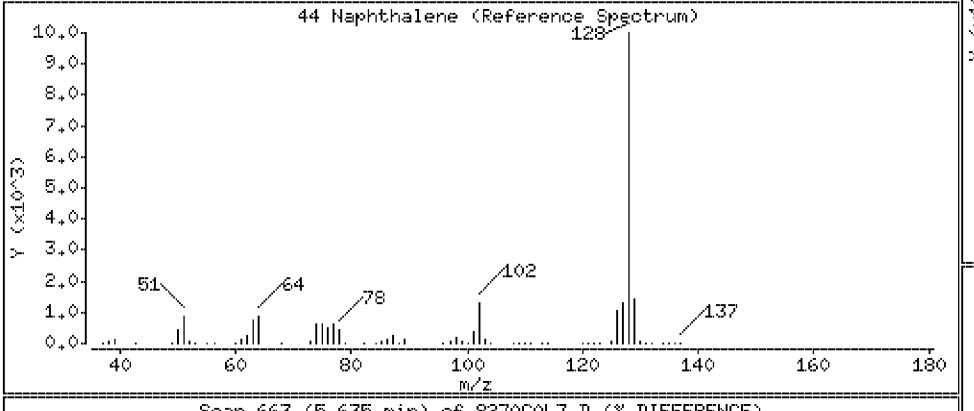
Concentration: 97.9 ug/l

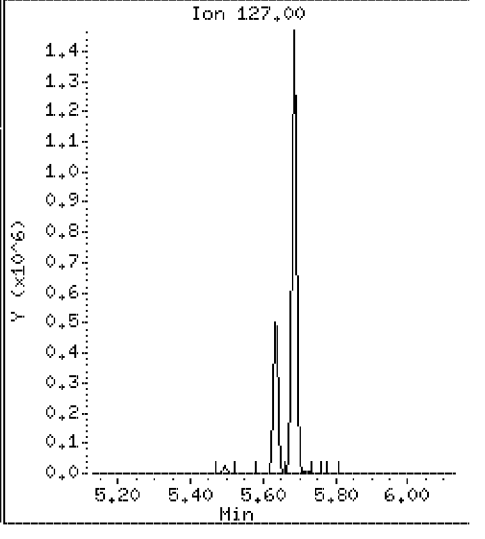


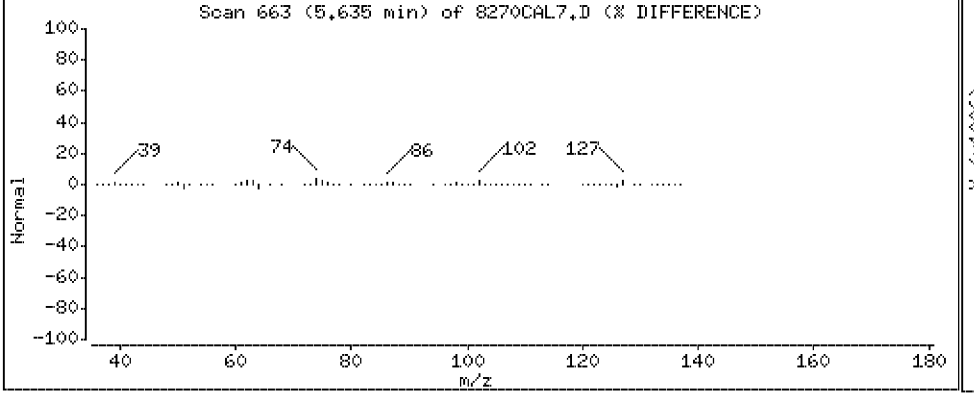












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

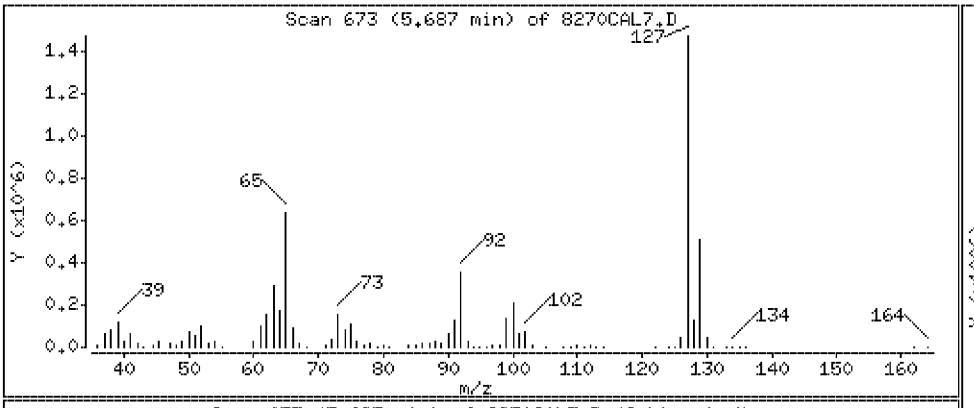
Operator: PEL

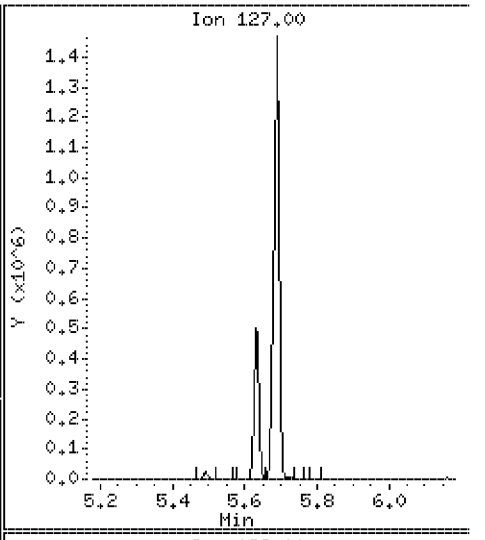
Column phase: HPMS-5

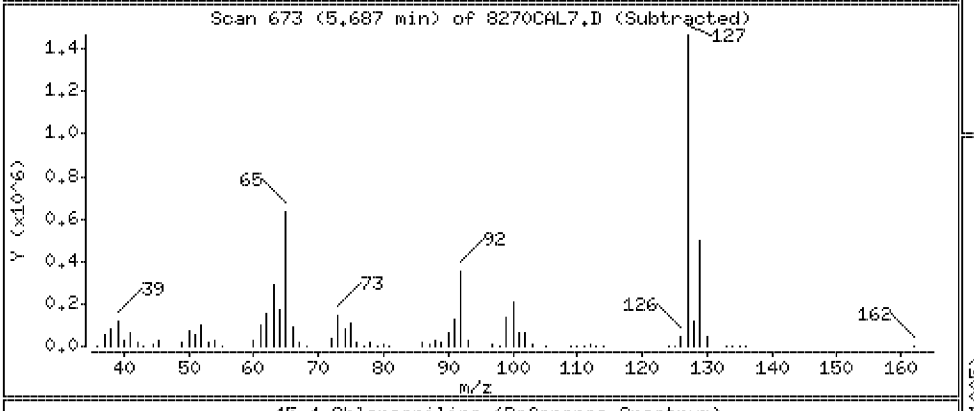
Column diameter: 0.25

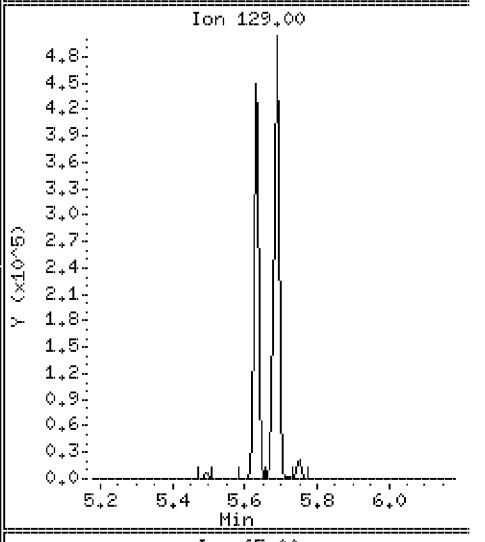
45 4-Chloroaniline

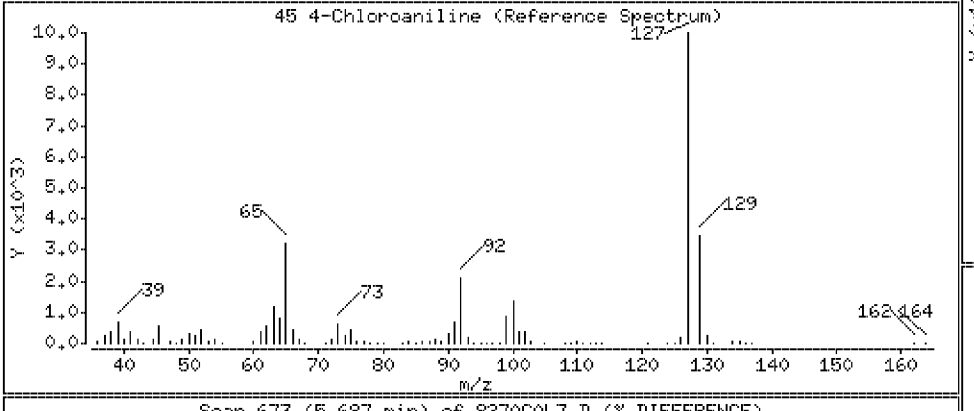
Concentration: 101 ug/l

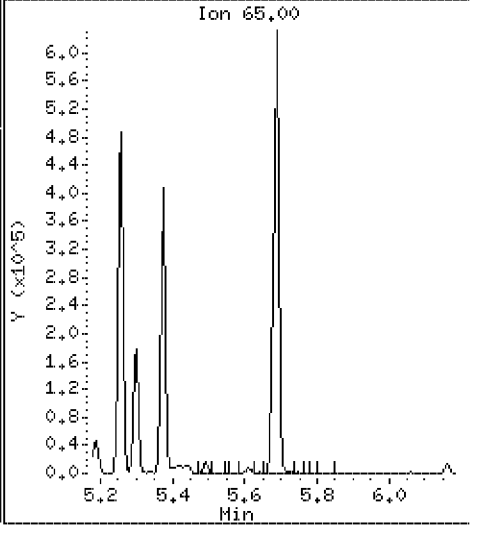


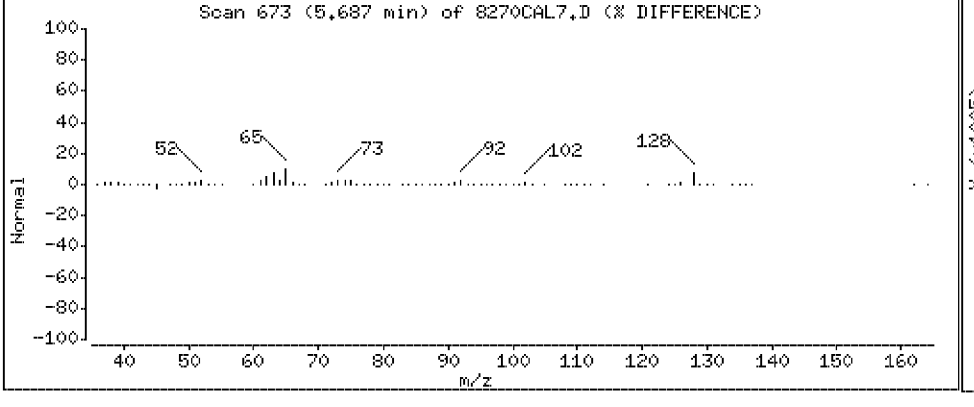












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

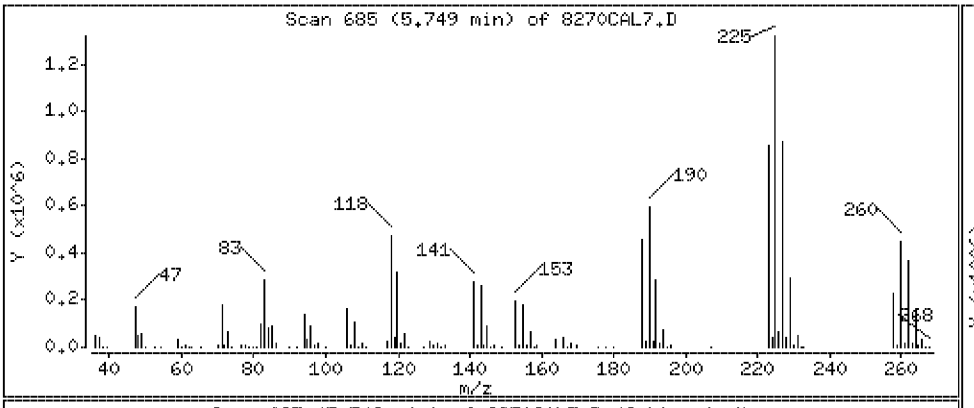
Operator: PEL

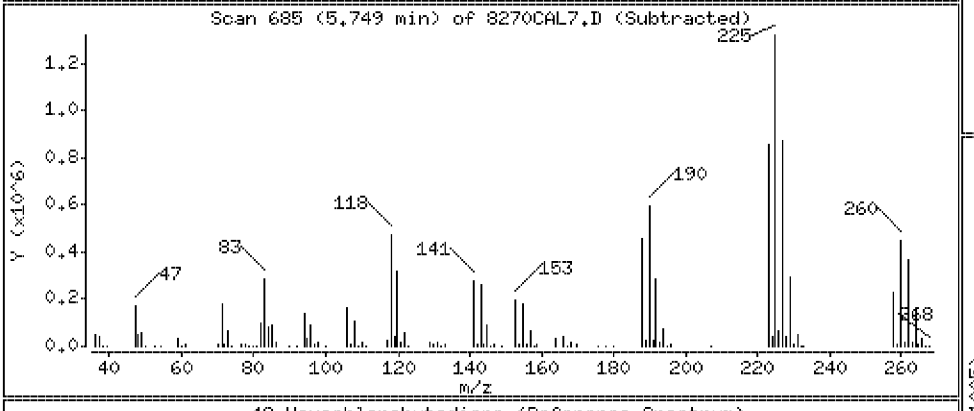
Column phase: HPMS-5

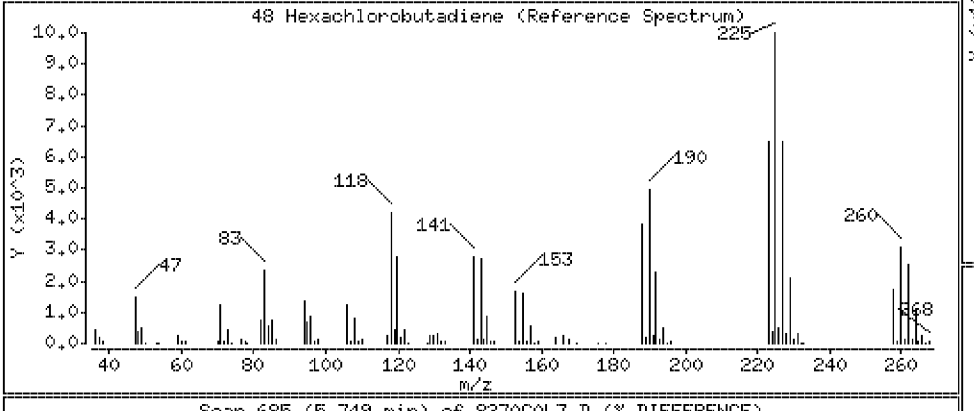
Column diameter: 0.25

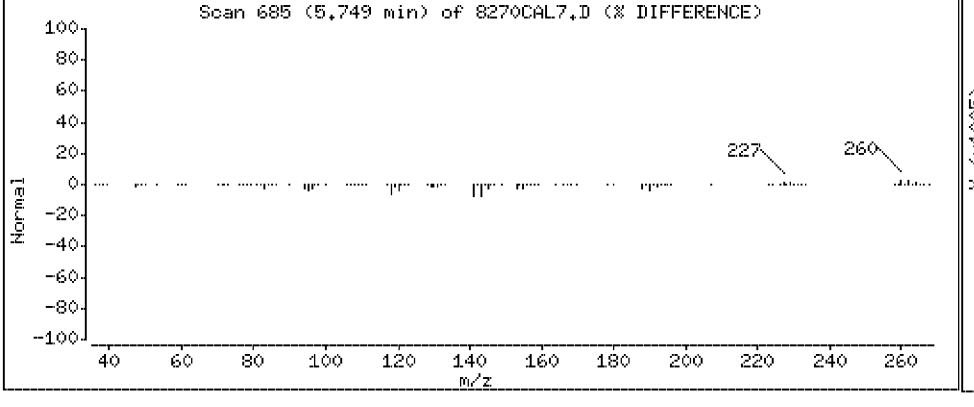
48 Hexachlorobutadiene

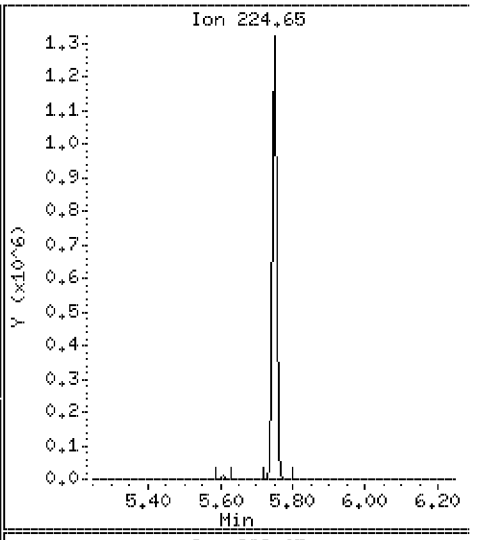
Concentration: 105 ug/l

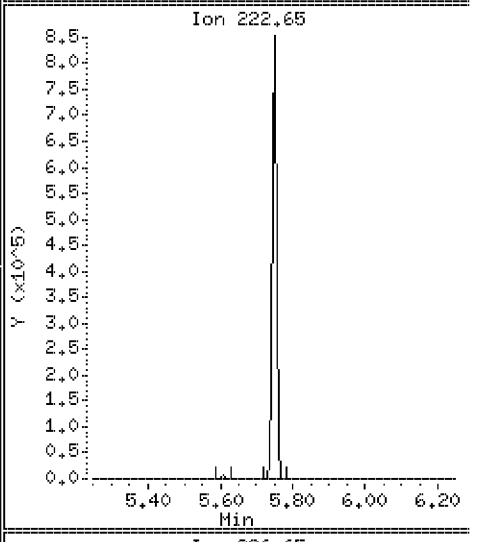


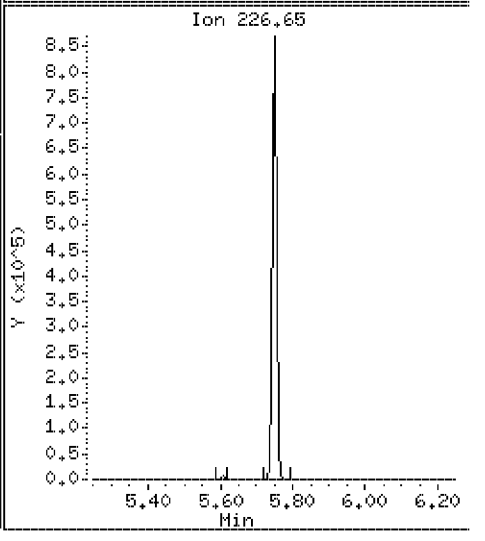












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

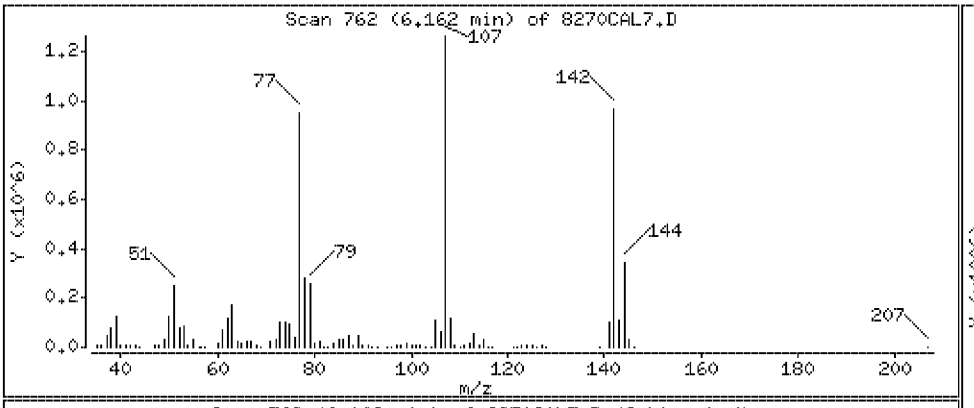
Operator: PEL

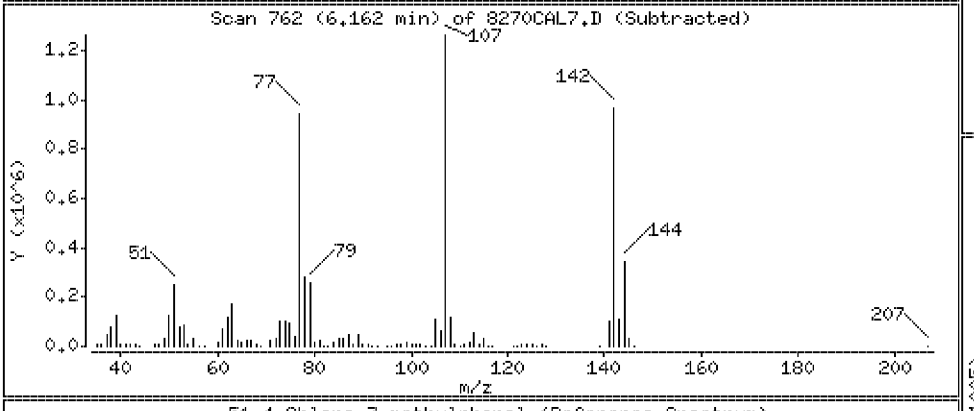
Column phase: HPMS-5

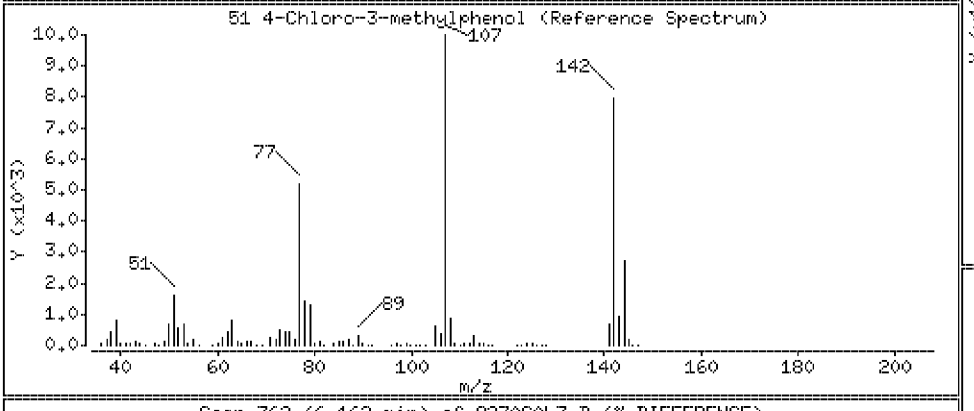
Column diameter: 0.25

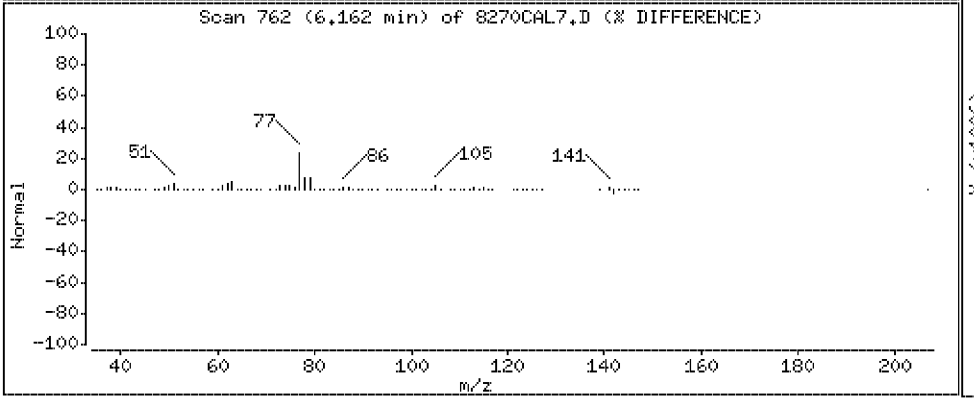
51 4-Chloro-3-methylphenol

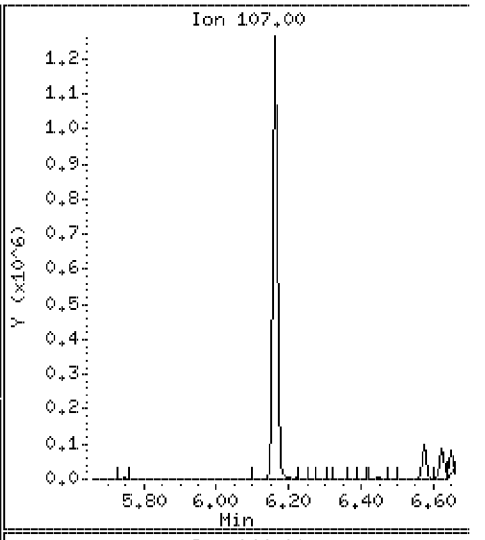
Concentration: 106 ug/l

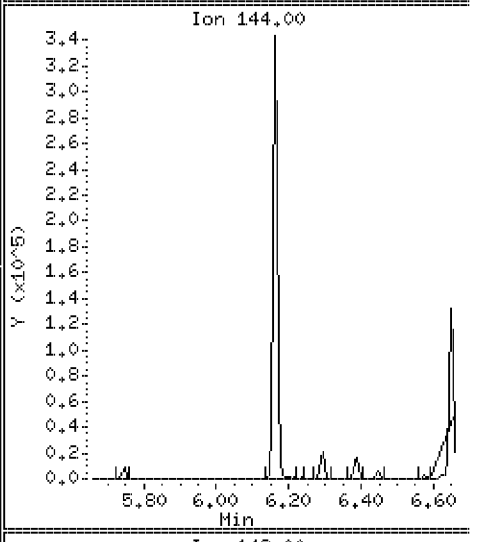


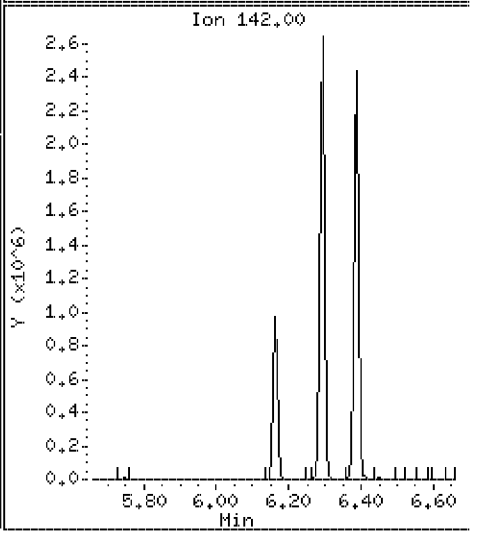












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

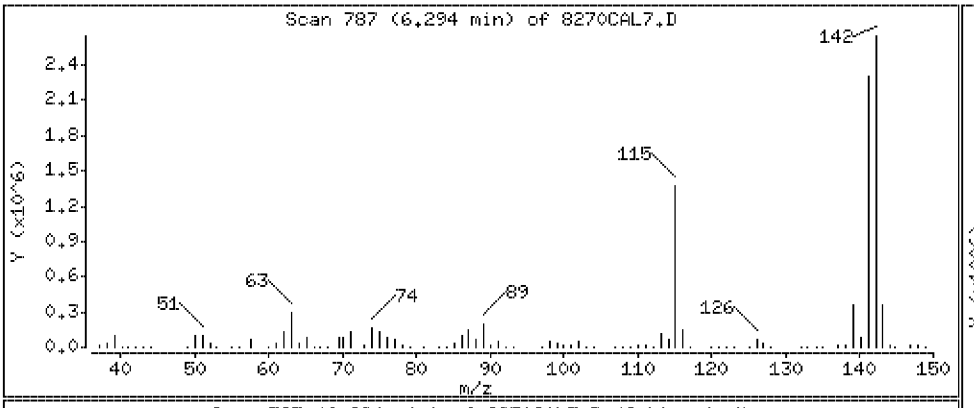
Operator: PEL

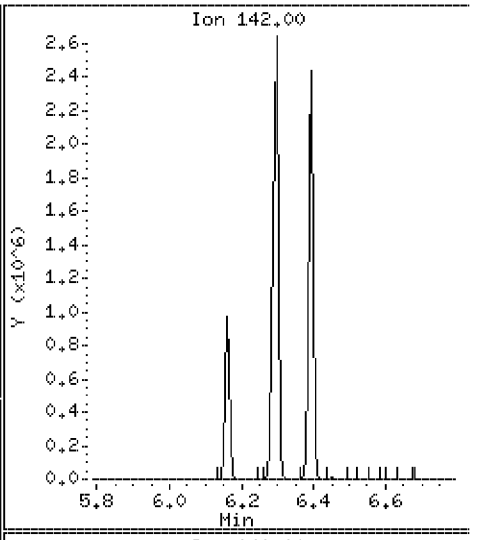
Column phase: HPMS-5

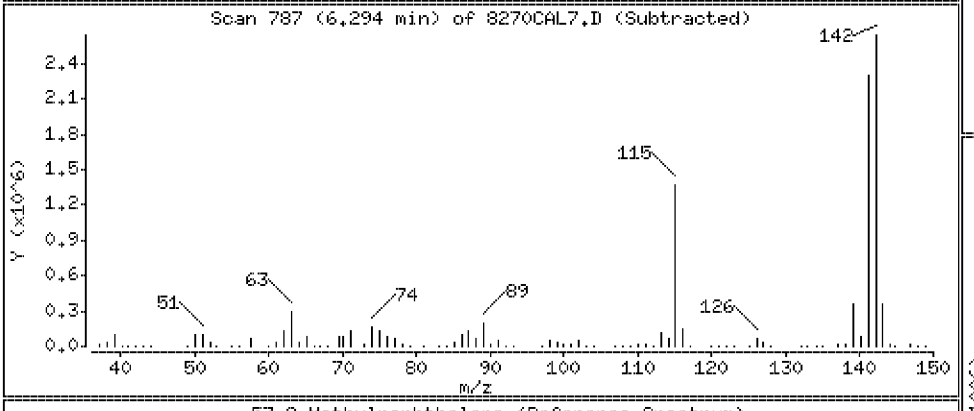
Column diameter: 0.25

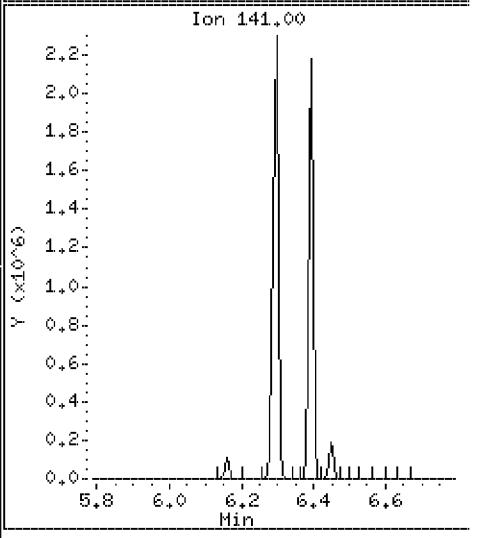
53 2-Methylnaphthalene

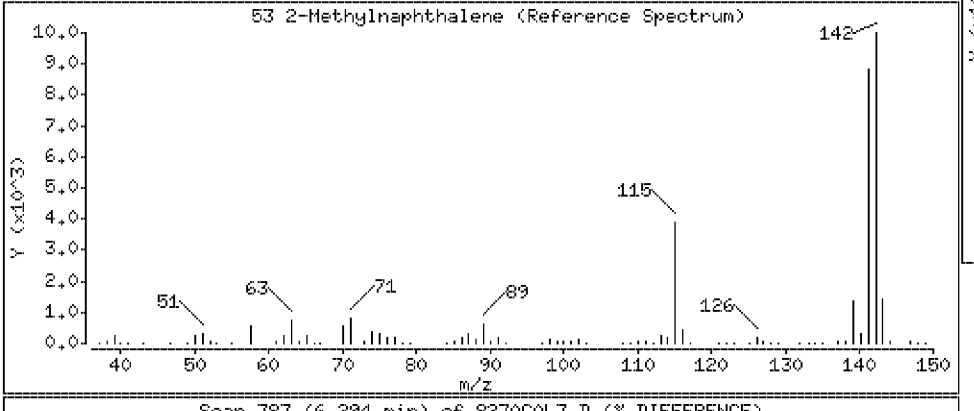
Concentration: 103 ug/l

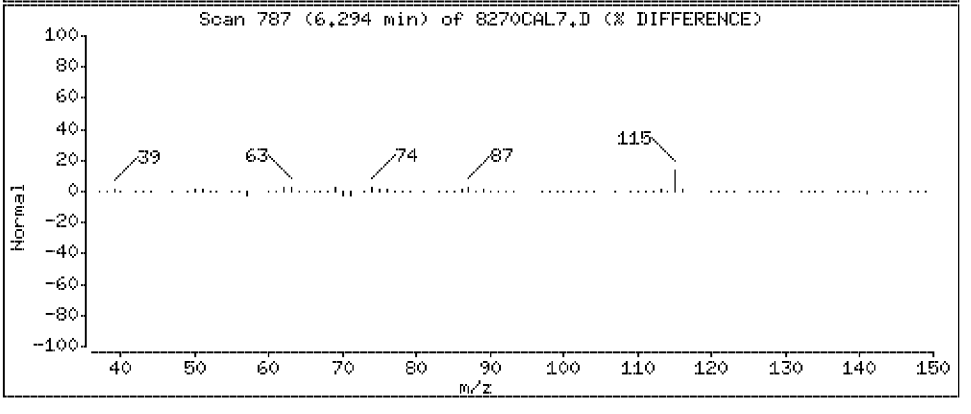












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

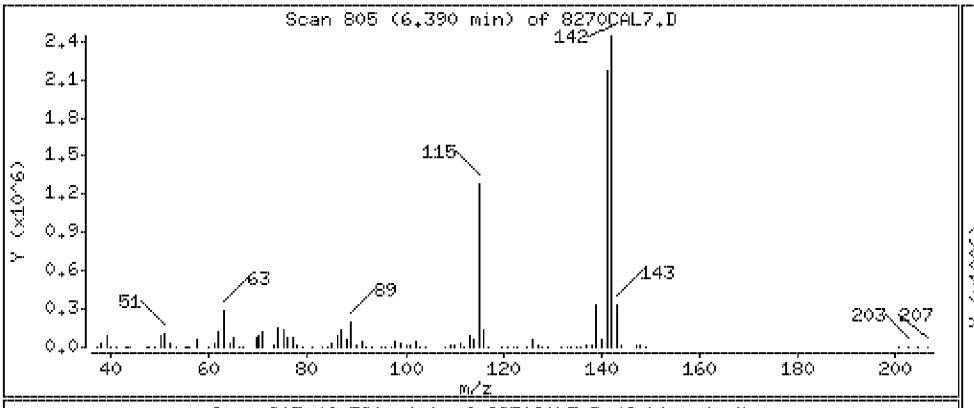
Operator: PEL

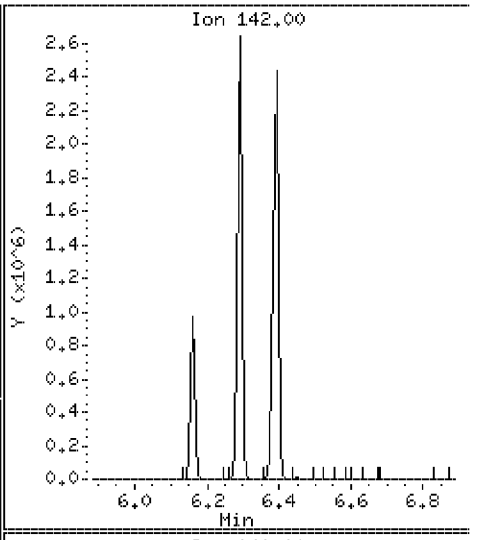
Column phase: HPMS-5

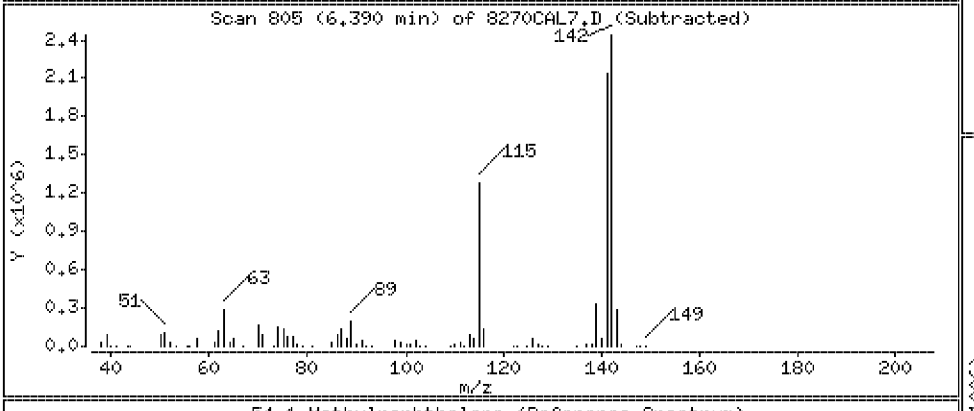
Column diameter: 0.25

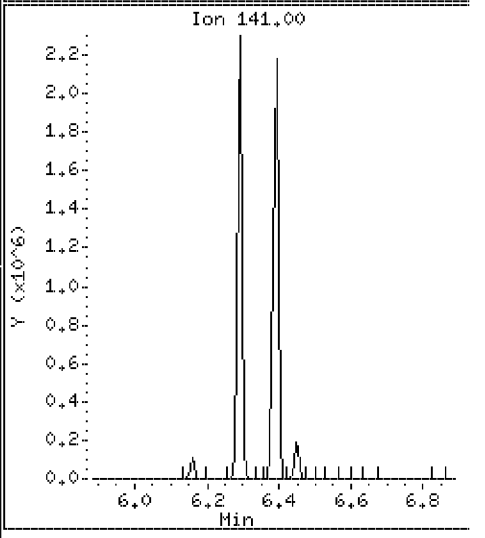
54 1-Methylnaphthalene

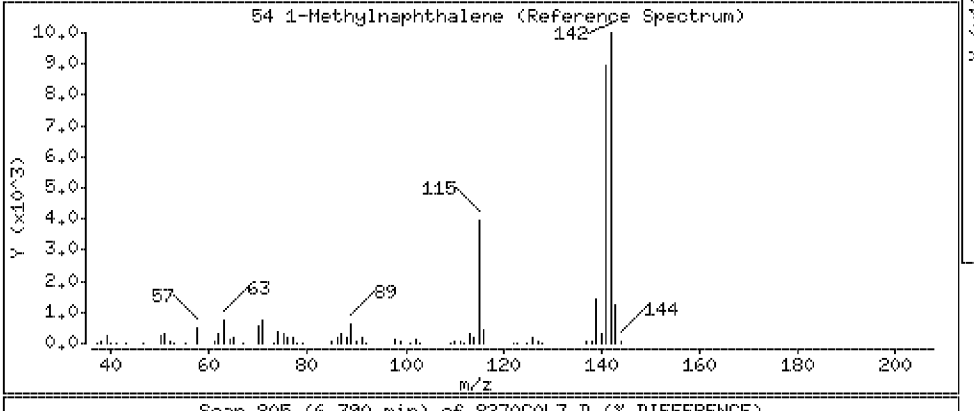
Concentration: 105 ug/l

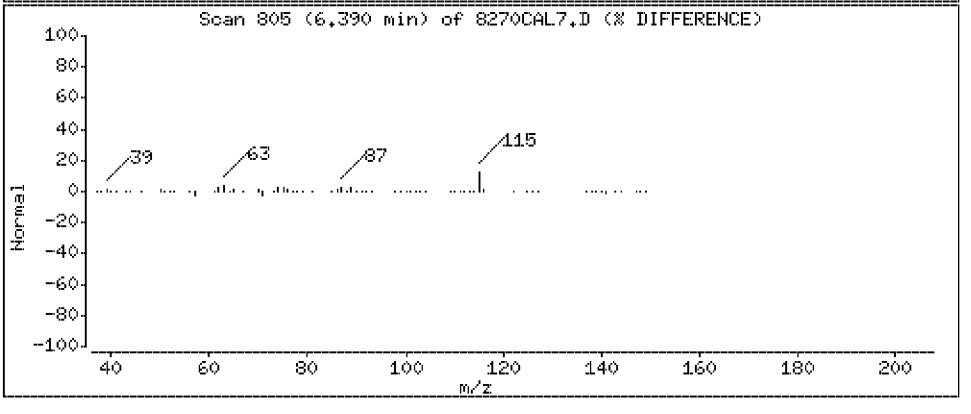












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

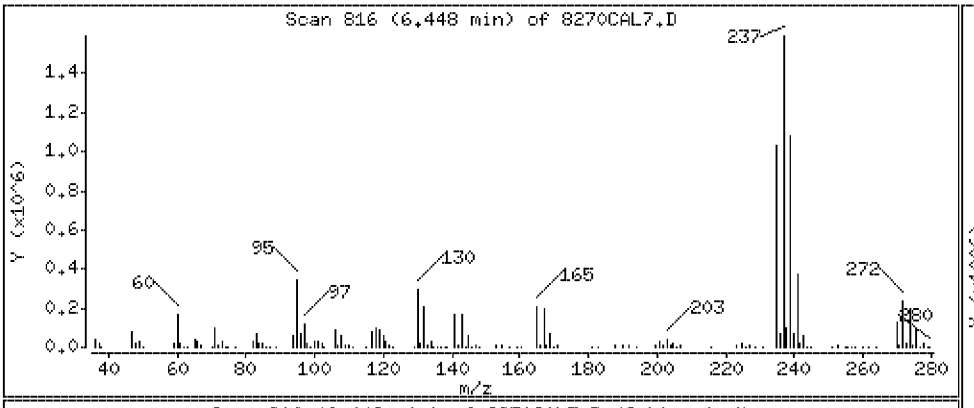
Operator: PEL

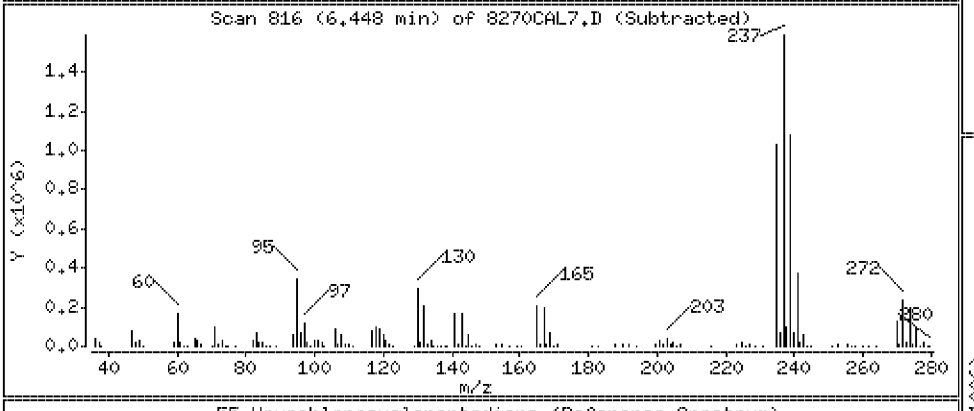
Column phase: HPMS-5

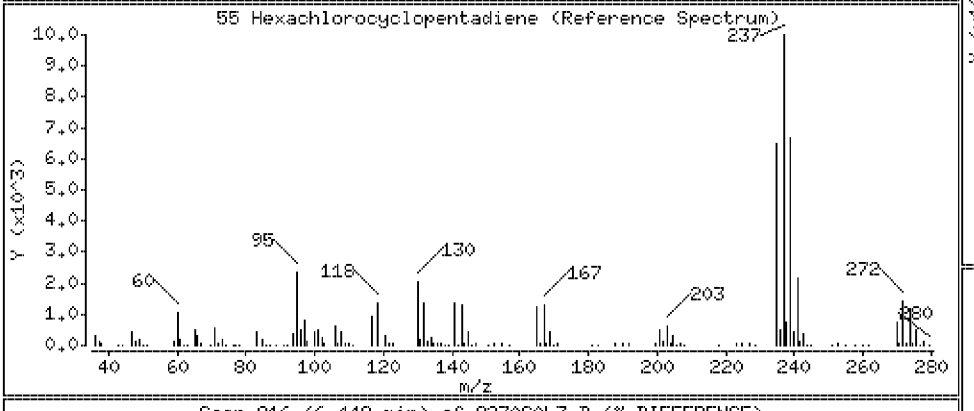
Column diameter: 0.25

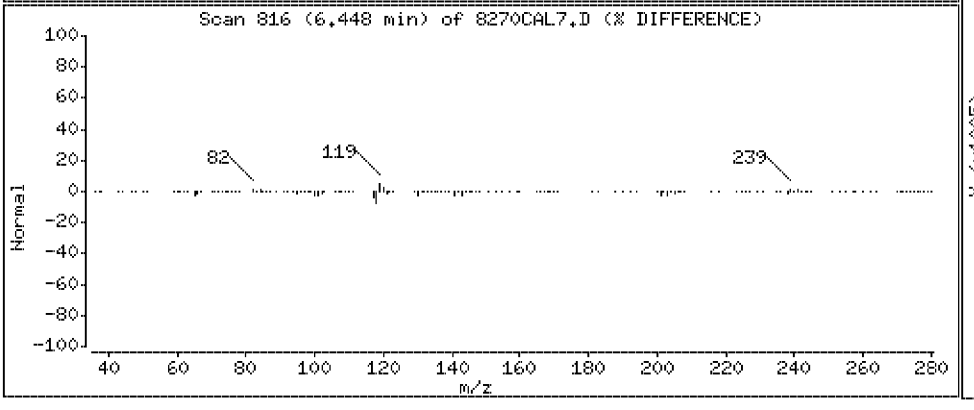
55 Hexachlorocyclopentadiene

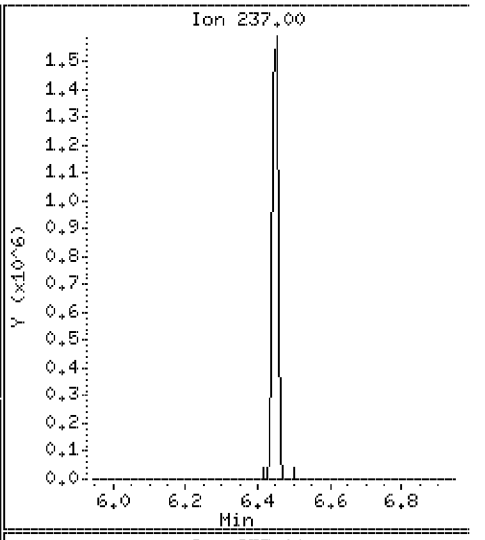
Concentration: 109 ug/l

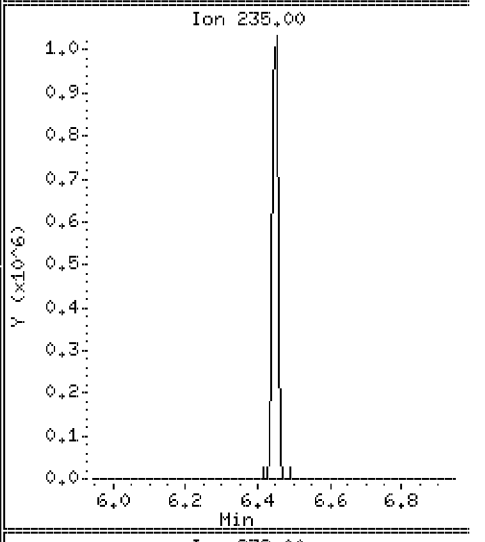


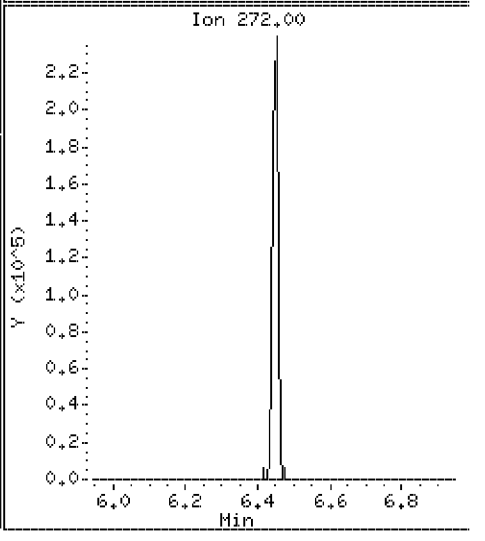












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

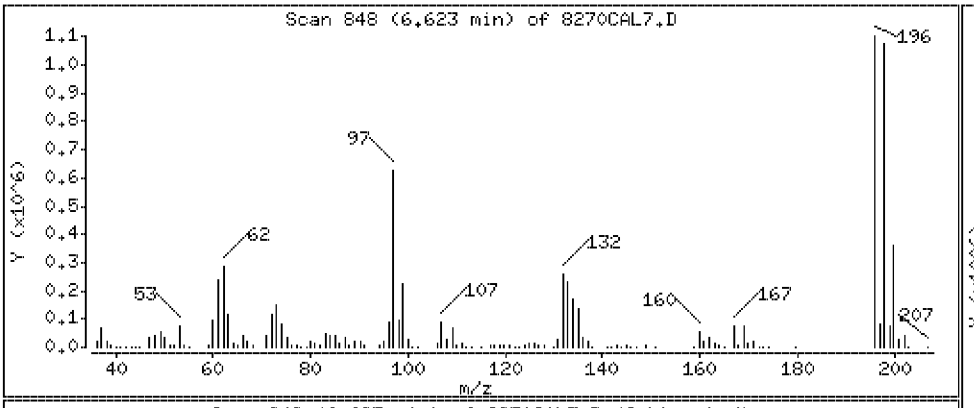
Operator: PEL

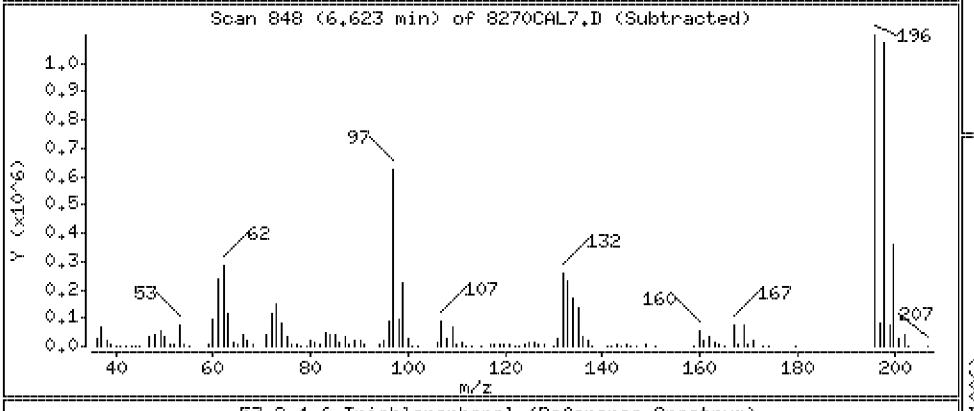
Column phase: HPMS-5

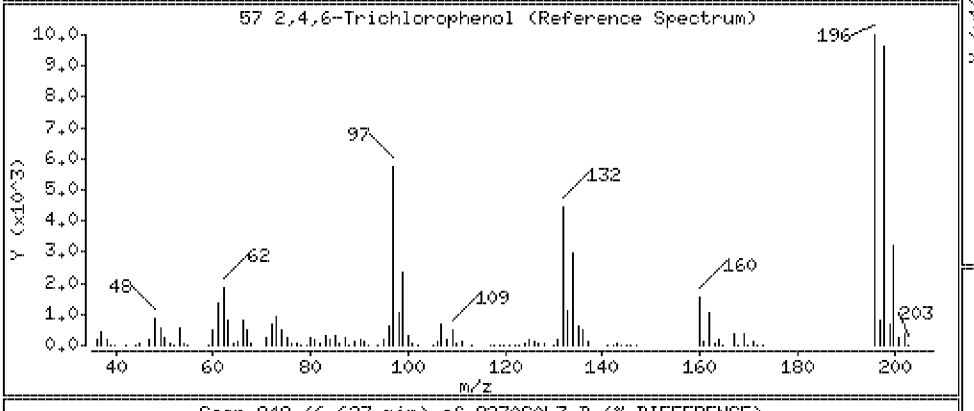
Column diameter: 0.25

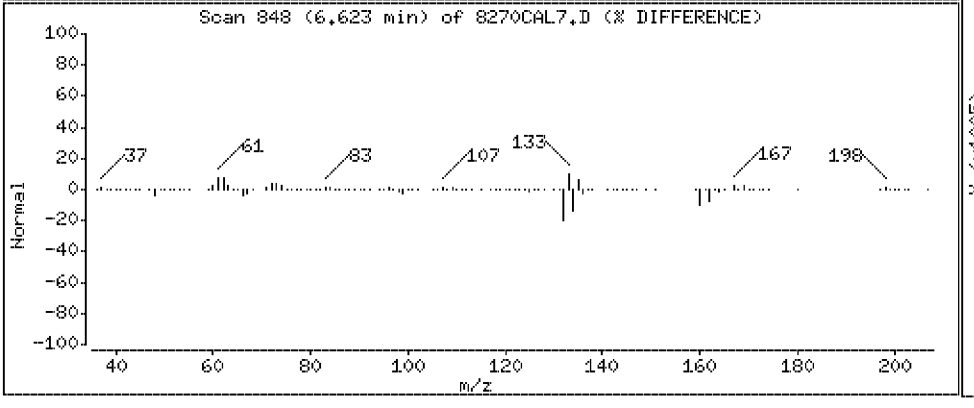
57 2,4,6-Trichlorophenol

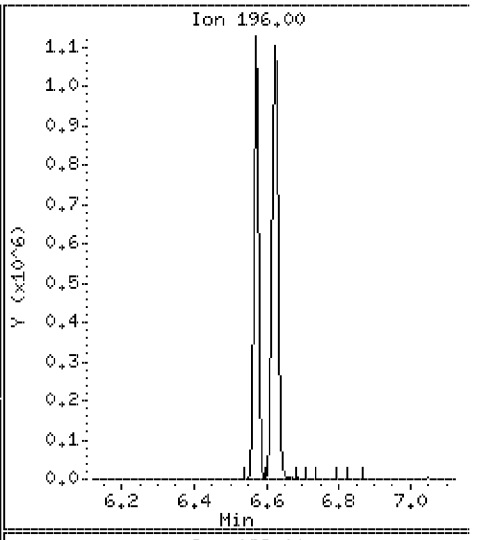
Concentration: 107 ug/l

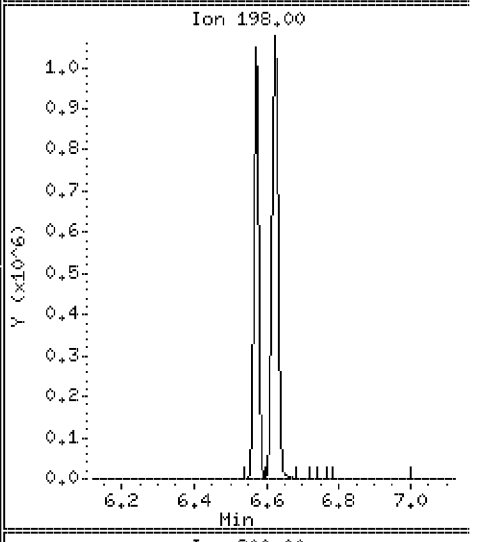


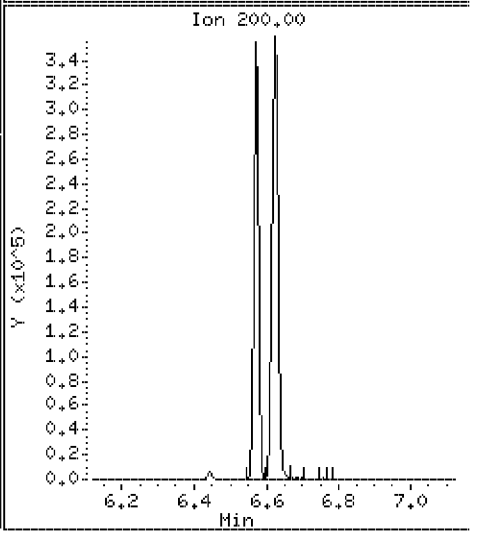












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

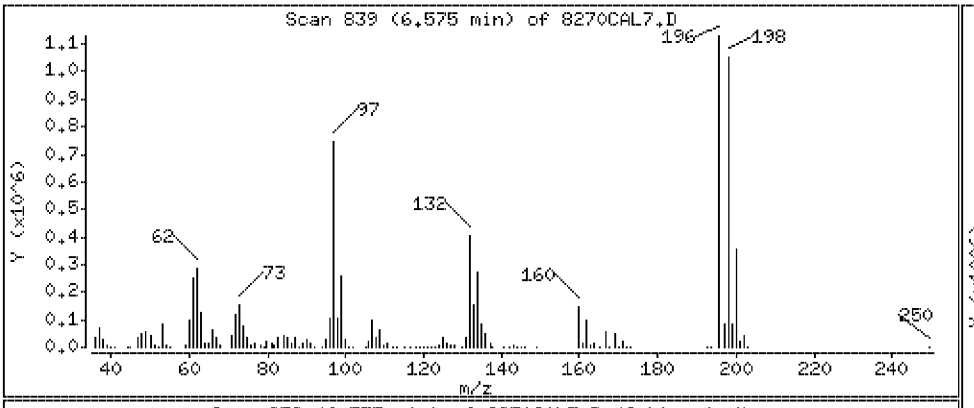
Operator: PEL

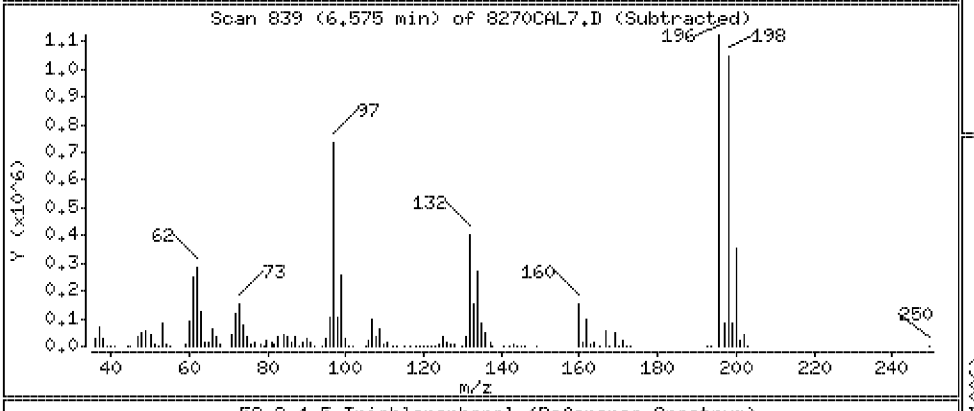
Column phase: HPMS-5

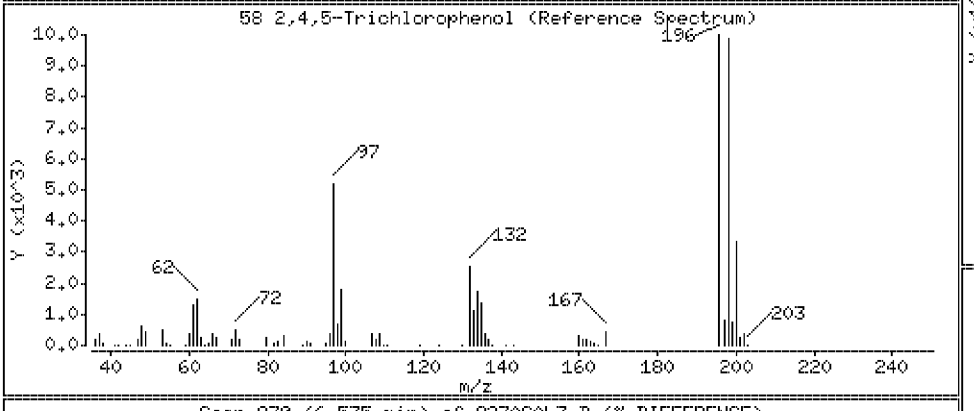
Column diameter: 0.25

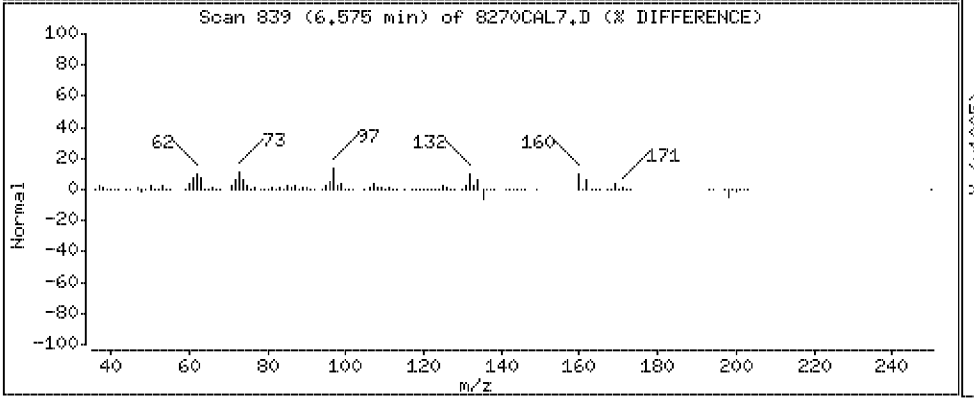
58 2,4,5-Trichlorophenol

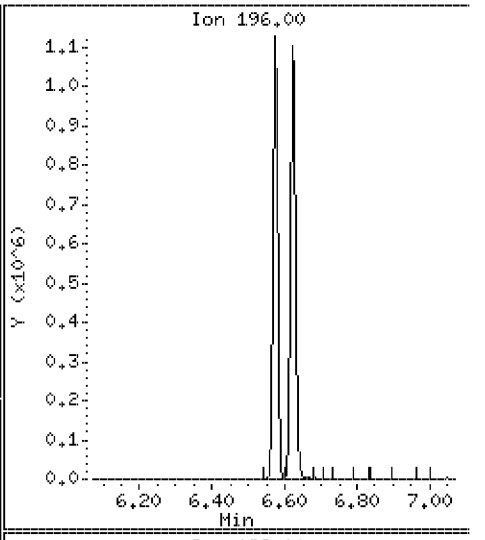
Concentration: 107 ug/l

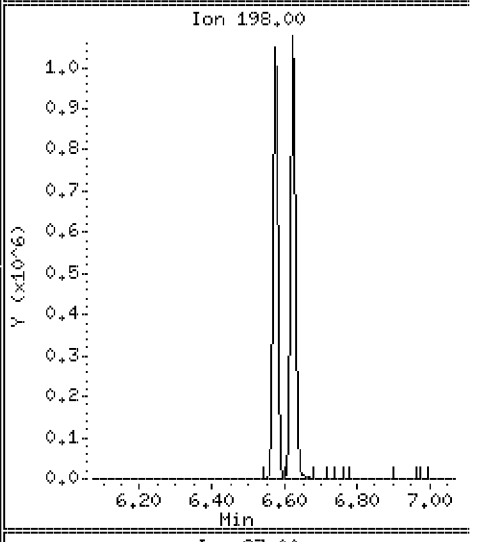


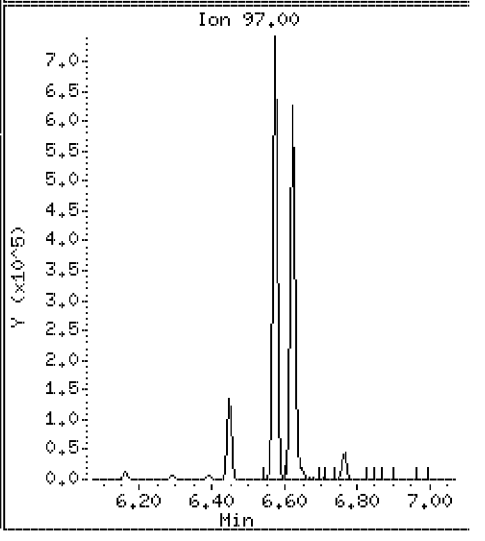












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

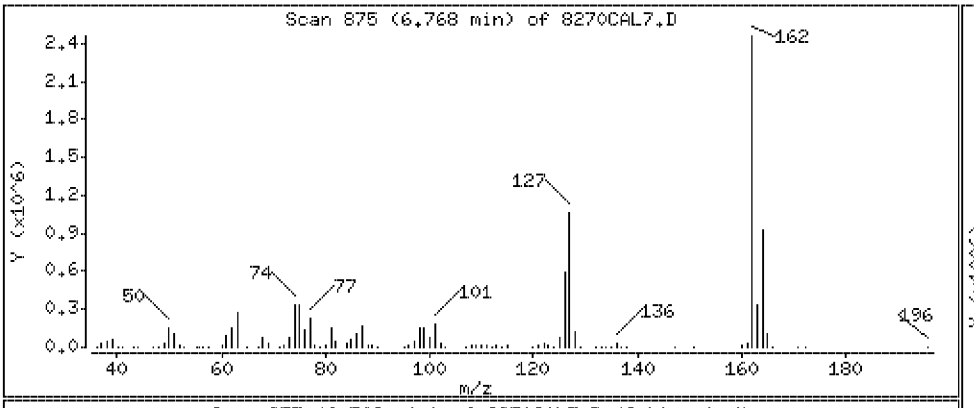
Operator: PEL

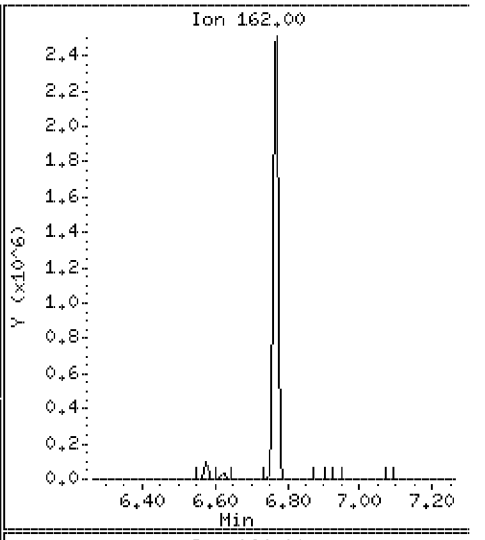
Column phase: HPMS-5

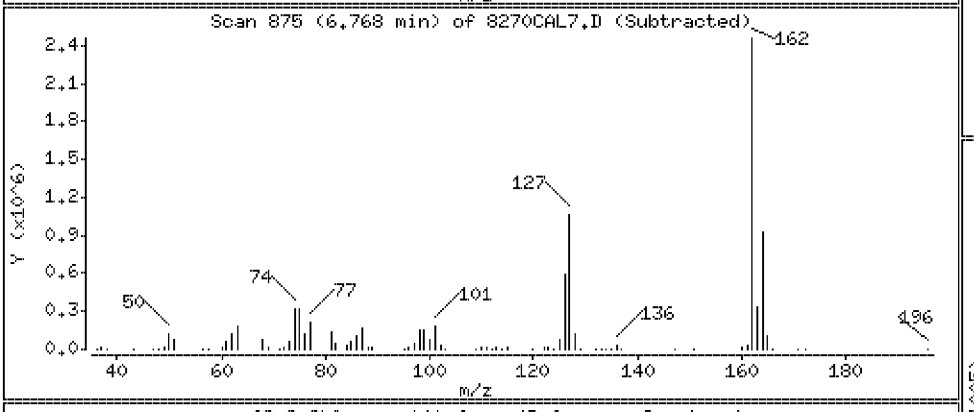
Column diameter: 0.25

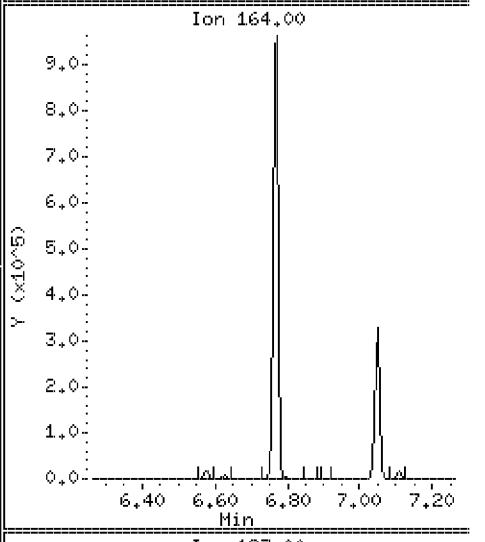
62 2-Chloronaphthalene

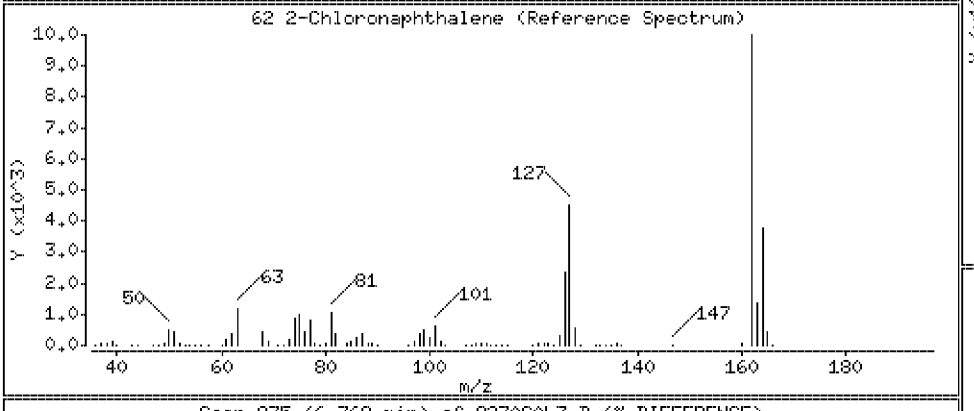
Concentration: 103 ug/l

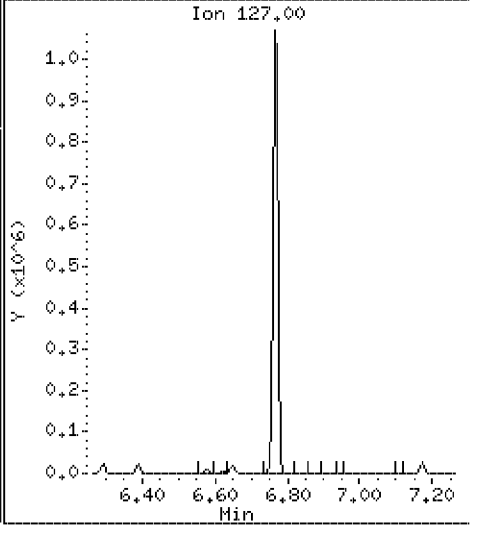


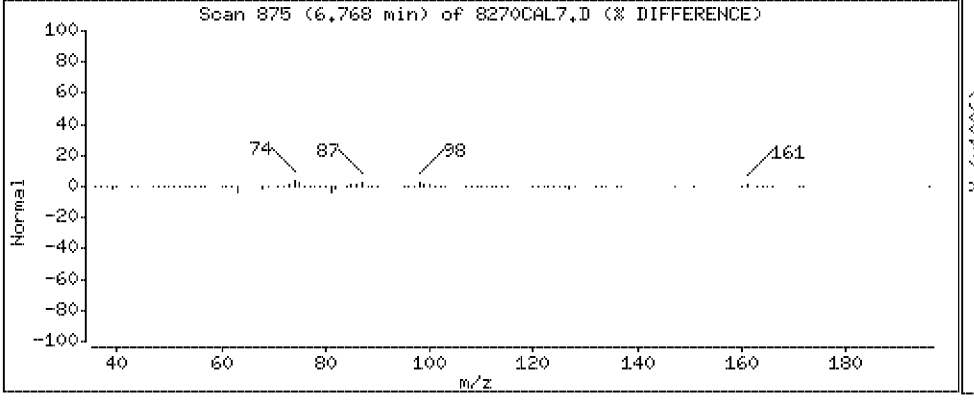












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

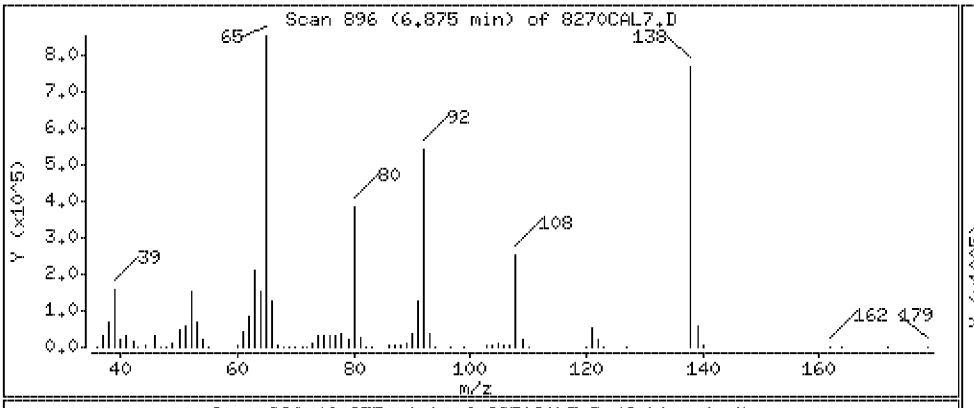
Operator: PEL

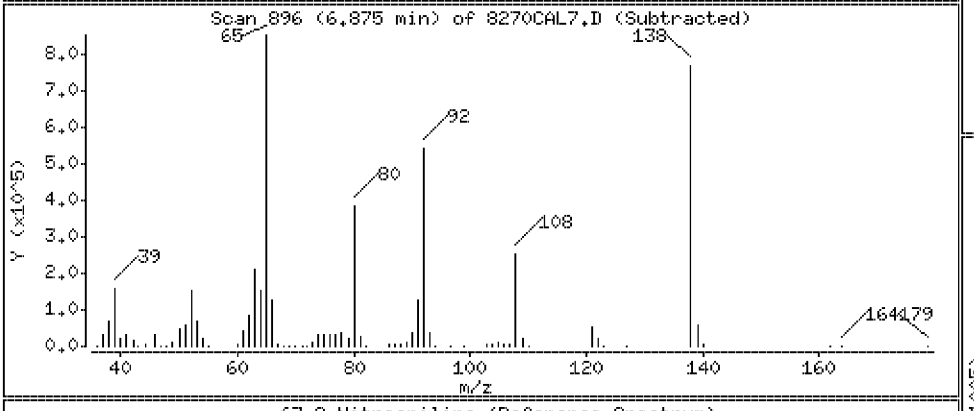
Column phase: HPMS-5

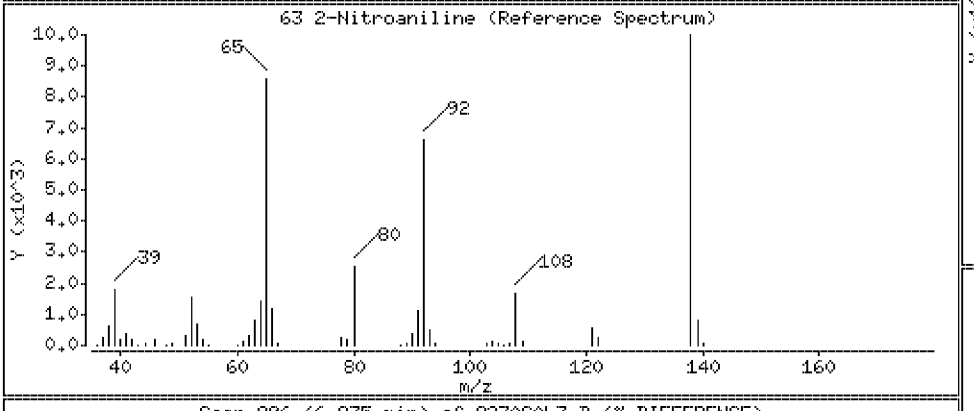
Column diameter: 0.25

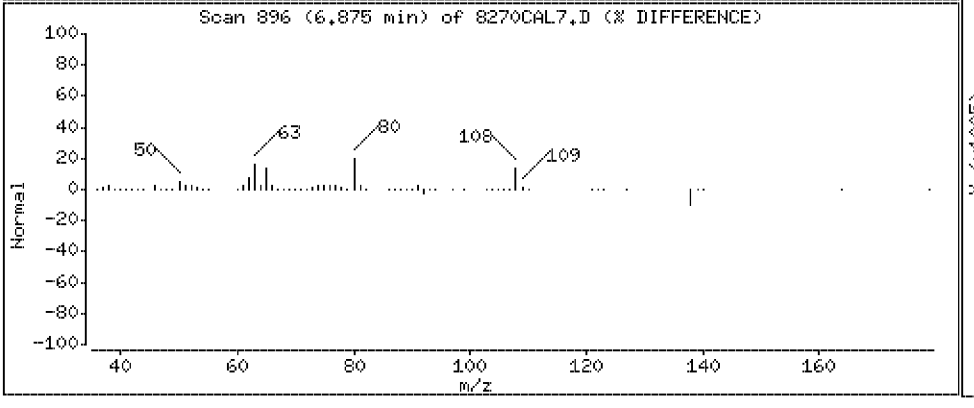
63 2-Nitroaniline

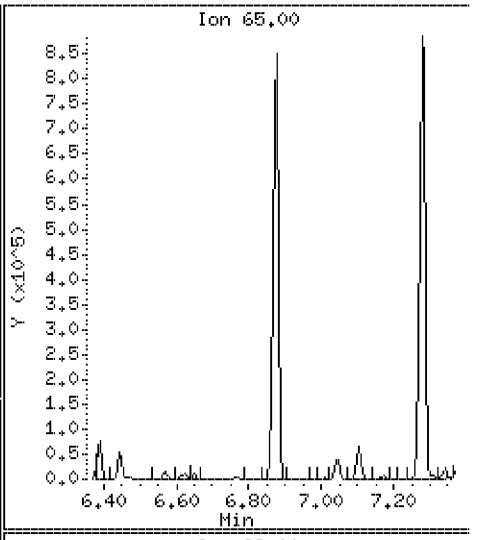
Concentration: 104 ug/l

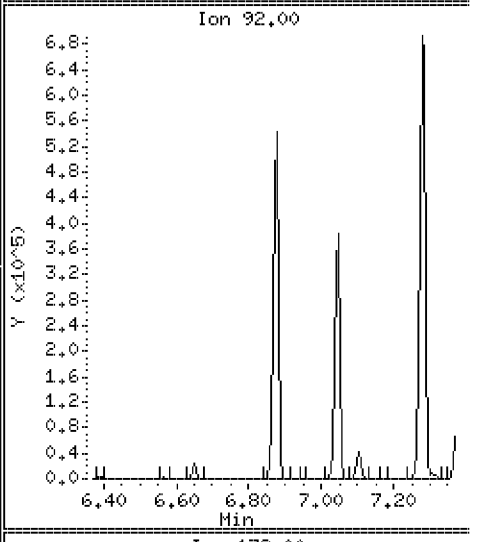


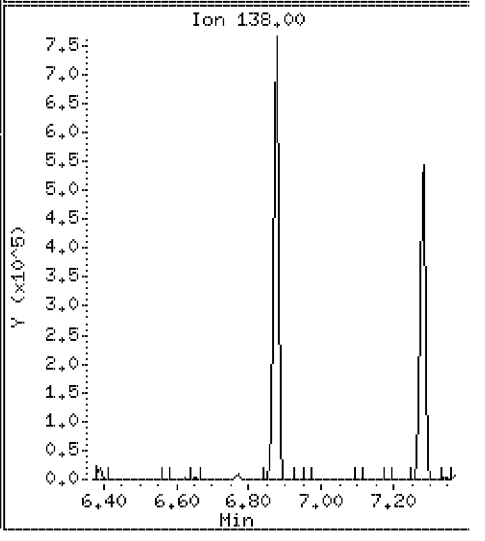












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

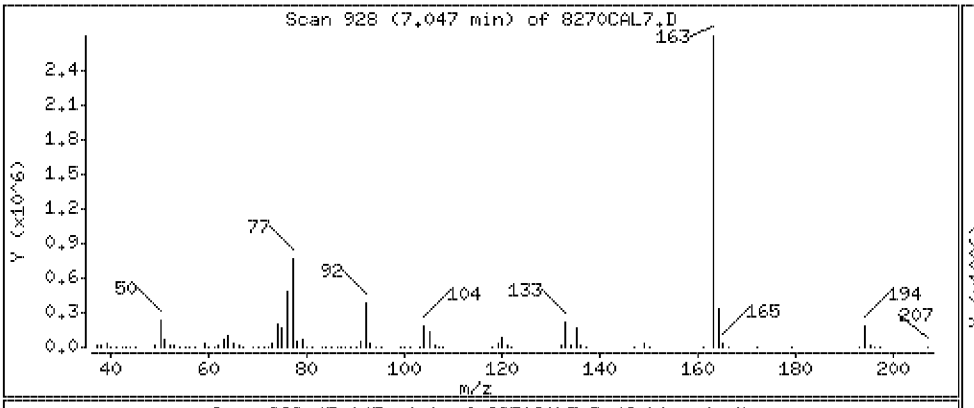
Operator: PEL

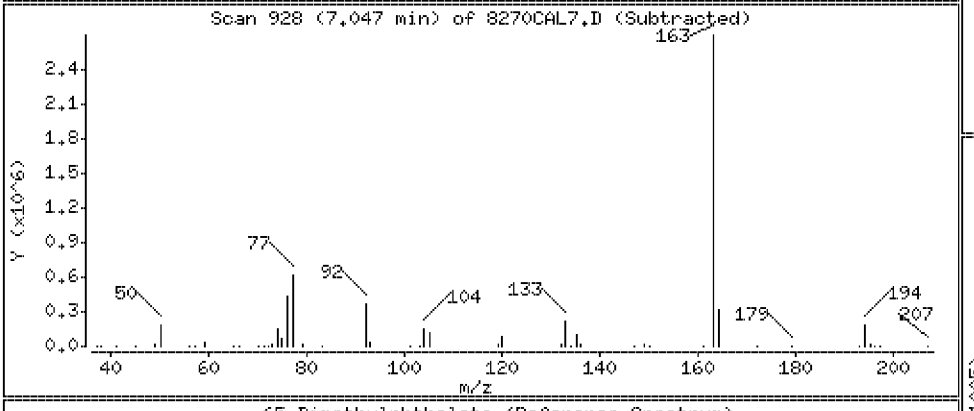
Column phase: HPMS-5

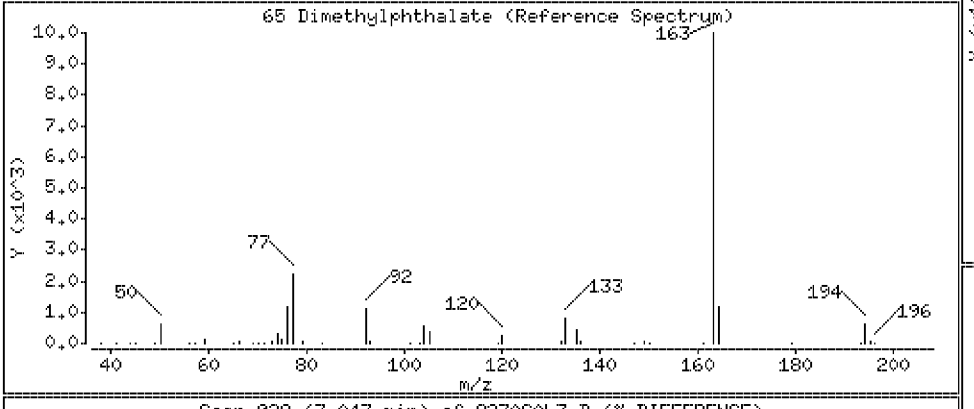
Column diameter: 0.25

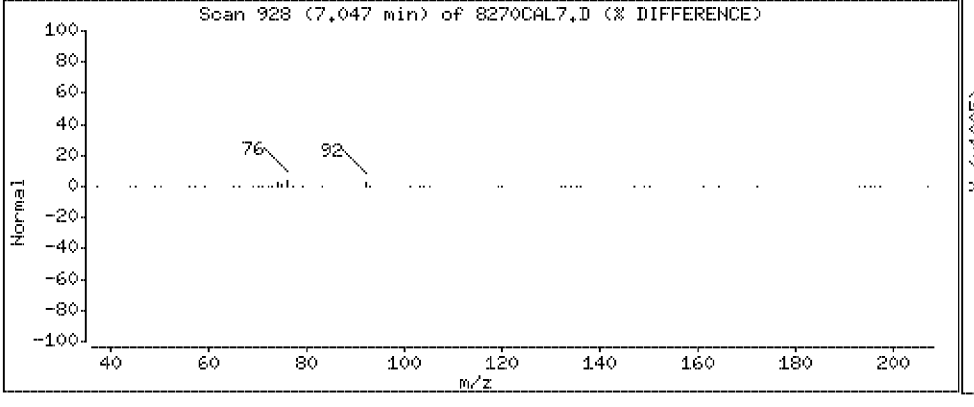
65 Dimethylphthalate

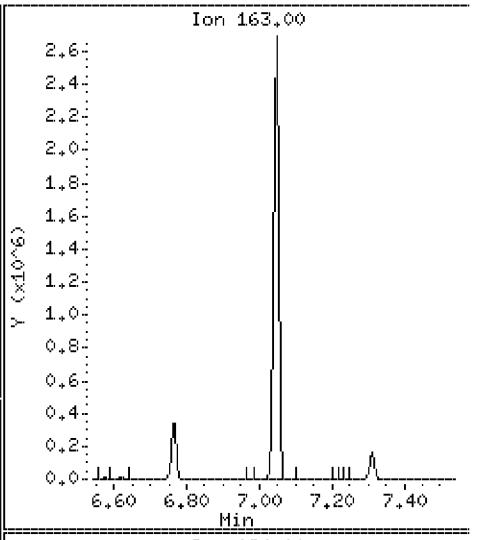
Concentration: 97.0 ug/l

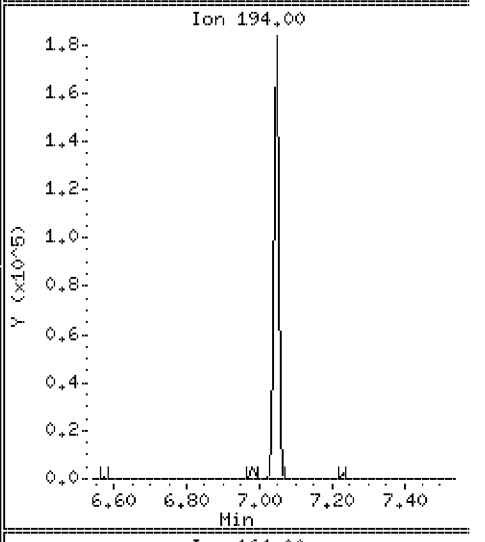


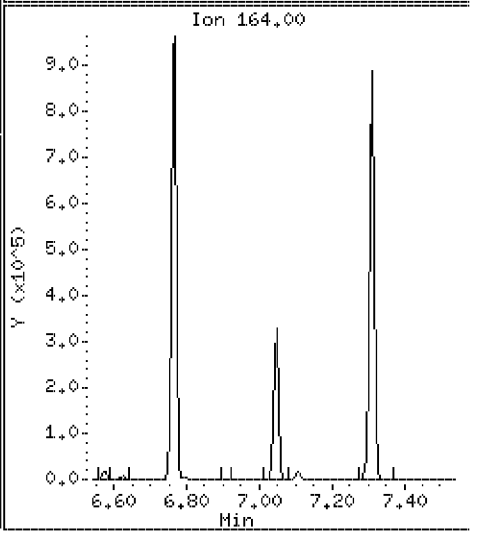












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

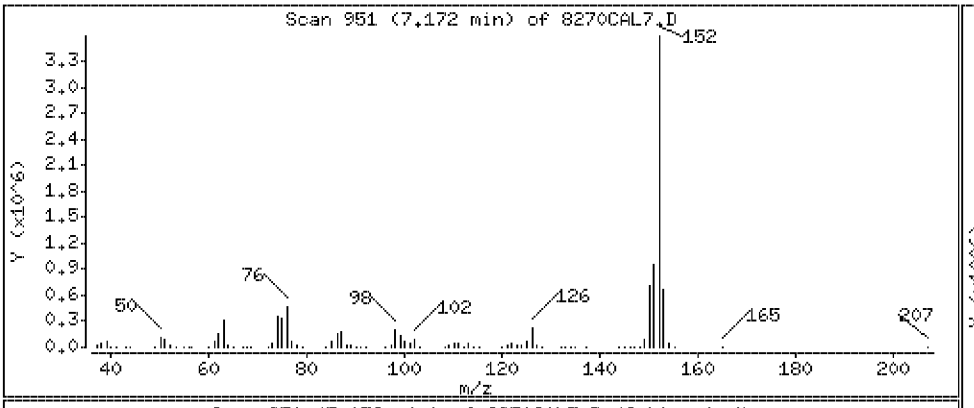
Operator: PEL

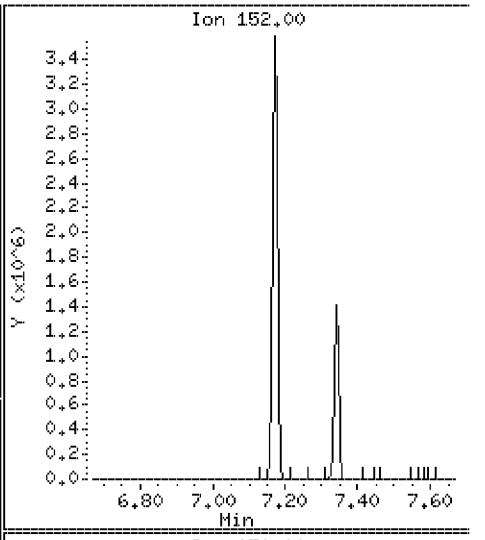
Column phase: HPMS-5

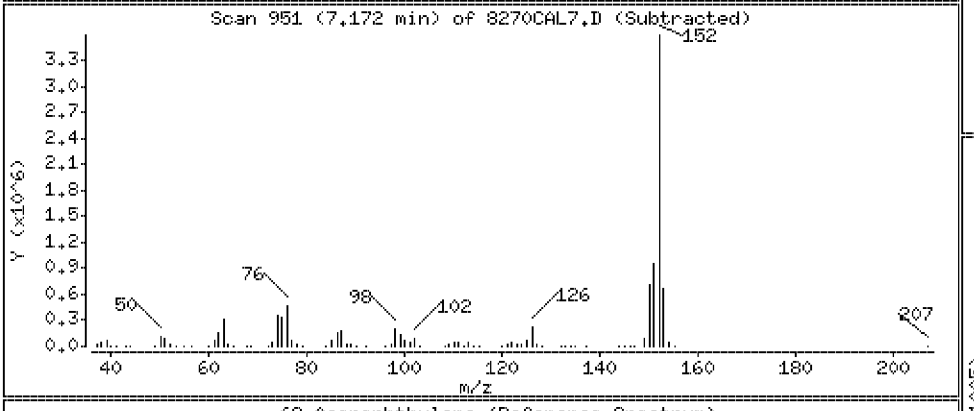
Column diameter: 0.25

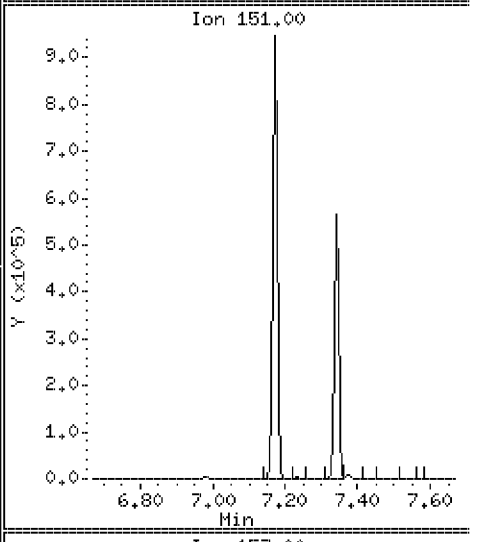
68 Acenaphthylene

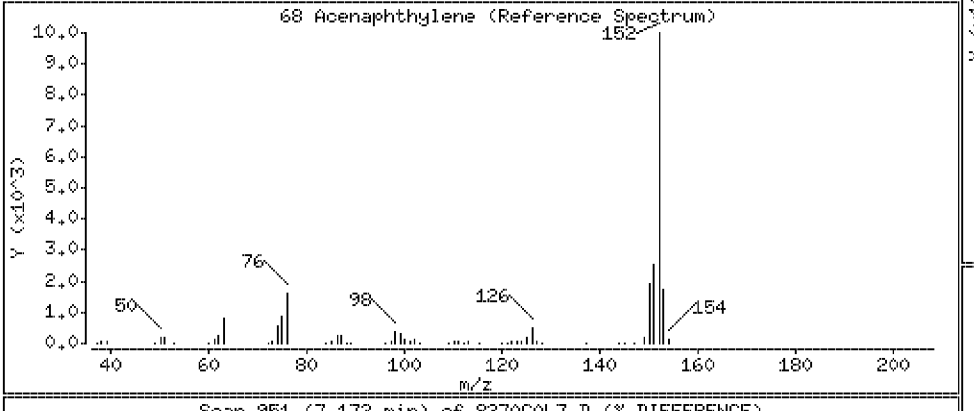
Concentration: 98.1 ug/l

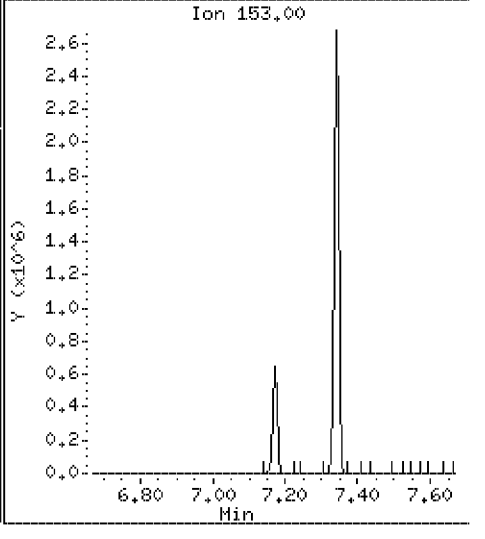


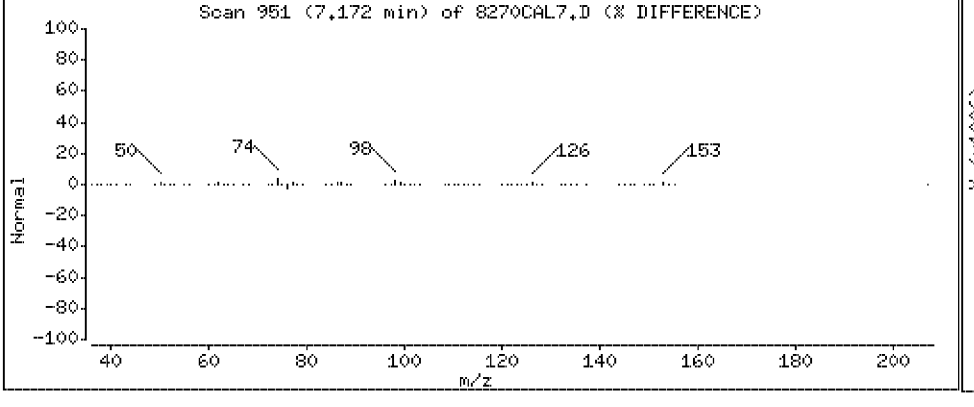












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

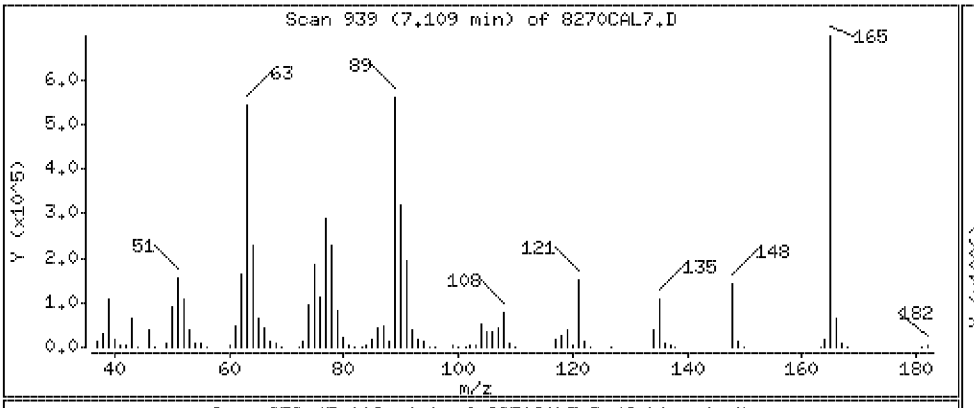
Operator: PEL

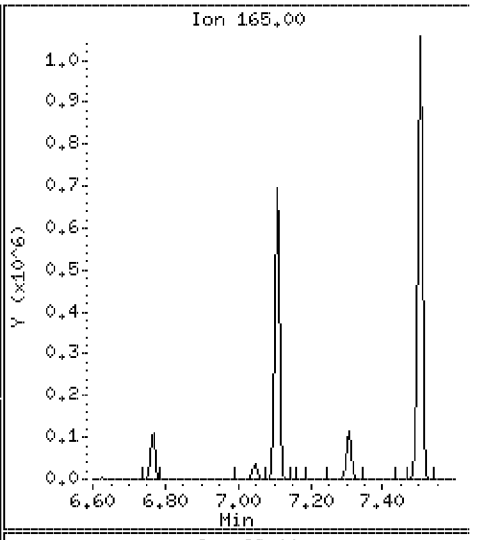
Column phase: HPMS-5

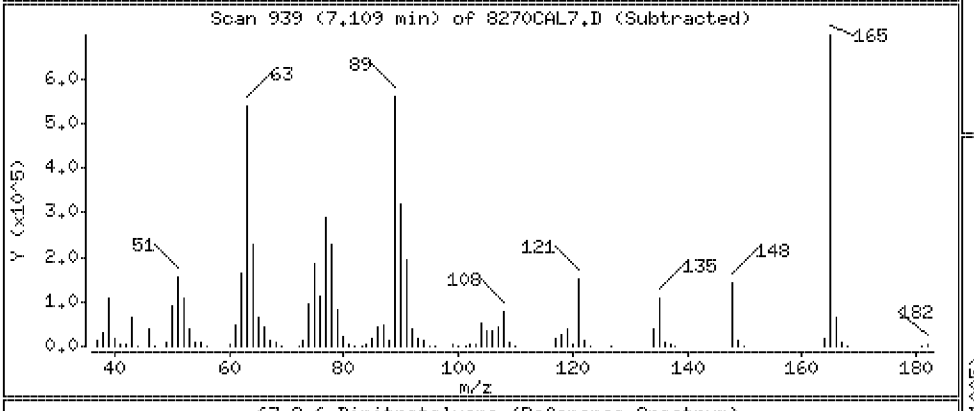
Column diameter: 0.25

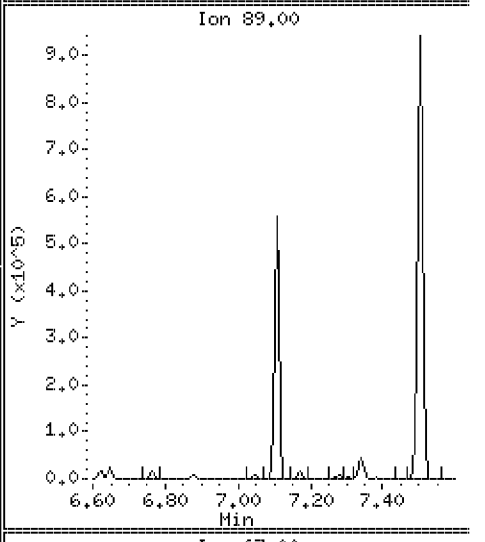
67 2,6-Dinitrotoluene

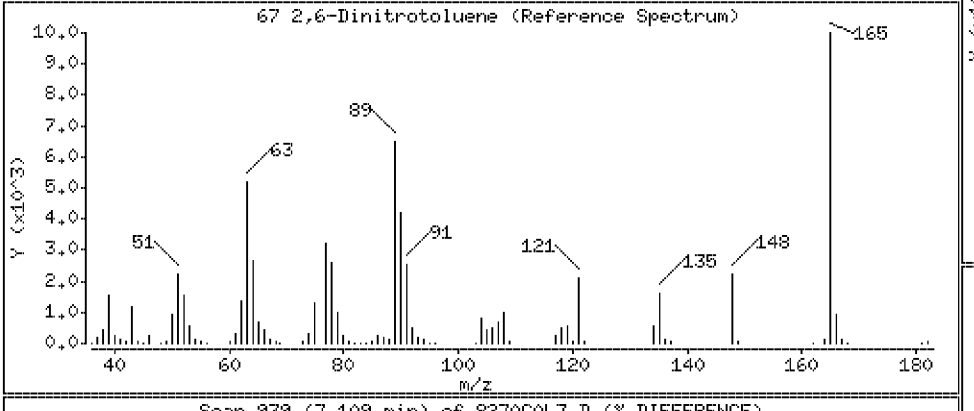
Concentration: 103 ug/l

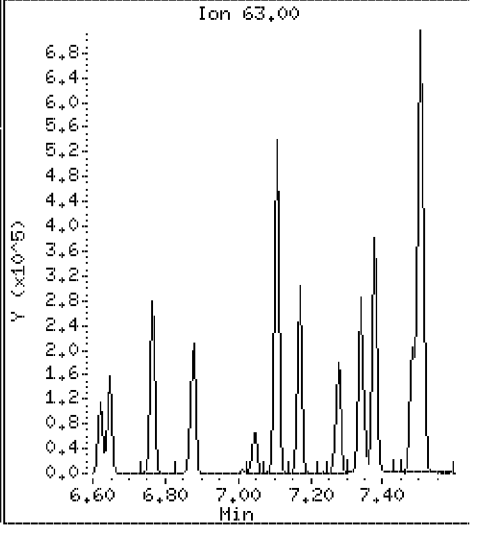


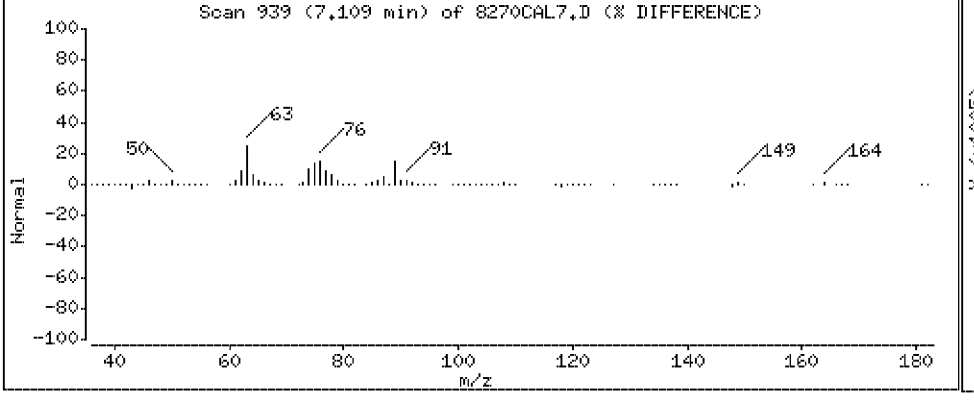












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

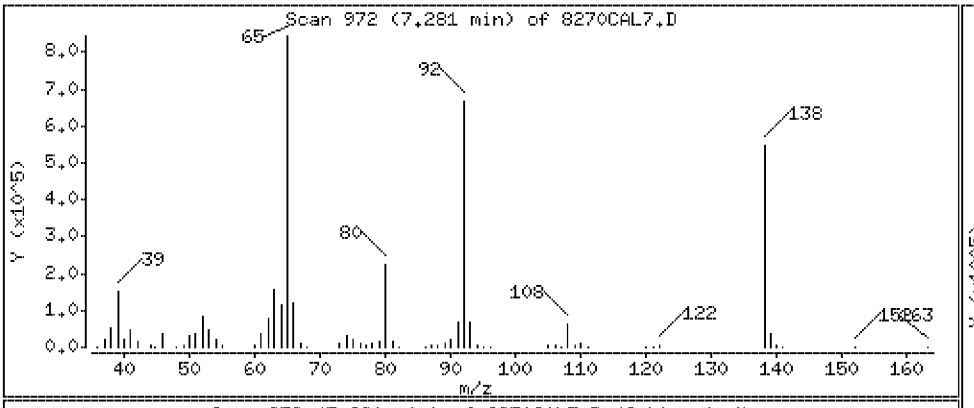
Operator: PEL

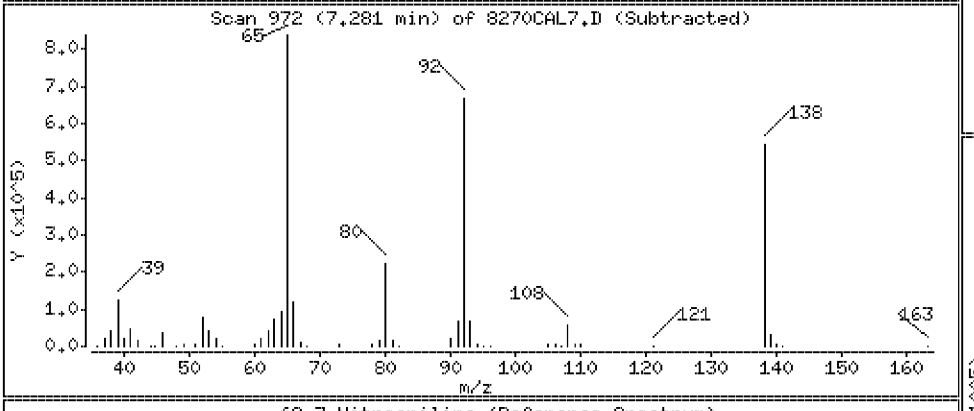
Column phase: HPMS-5

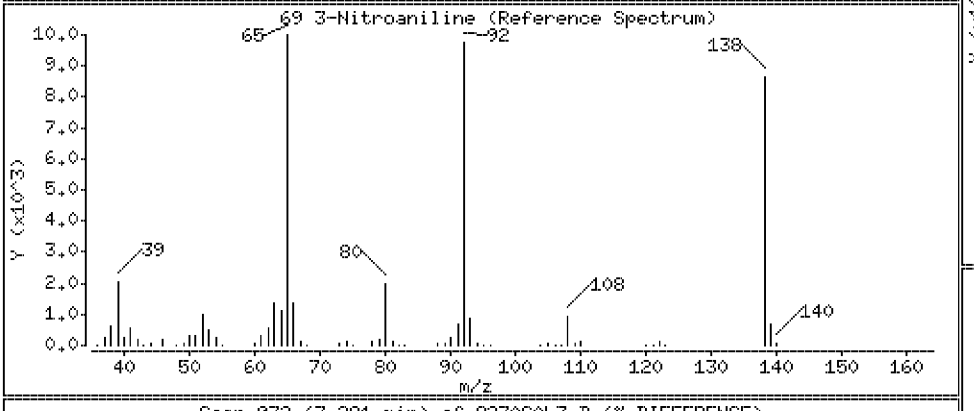
Column diameter: 0.25

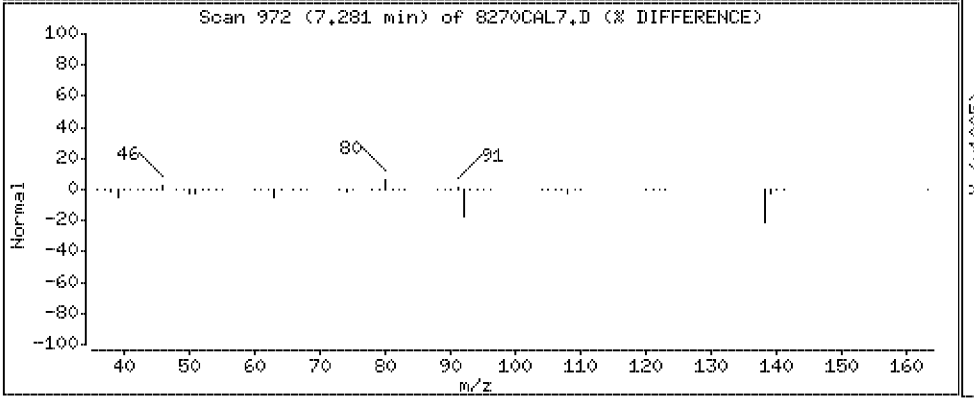
69 3-Nitroaniline

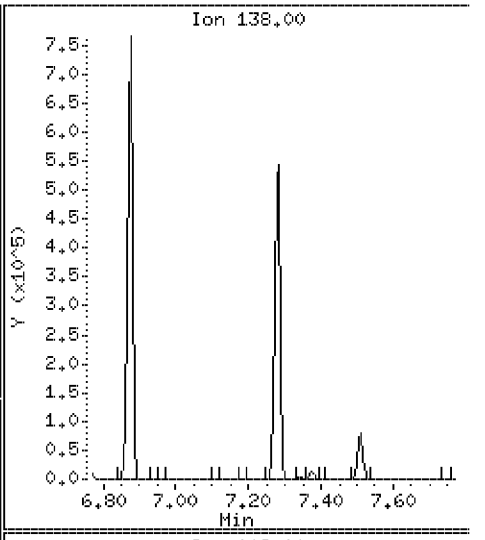
Concentration: 103 ug/l

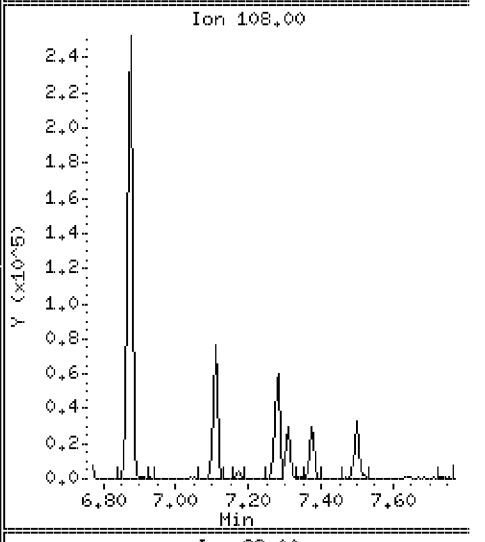


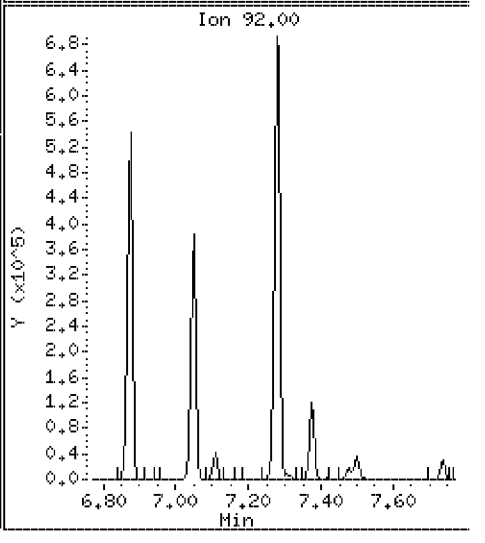












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

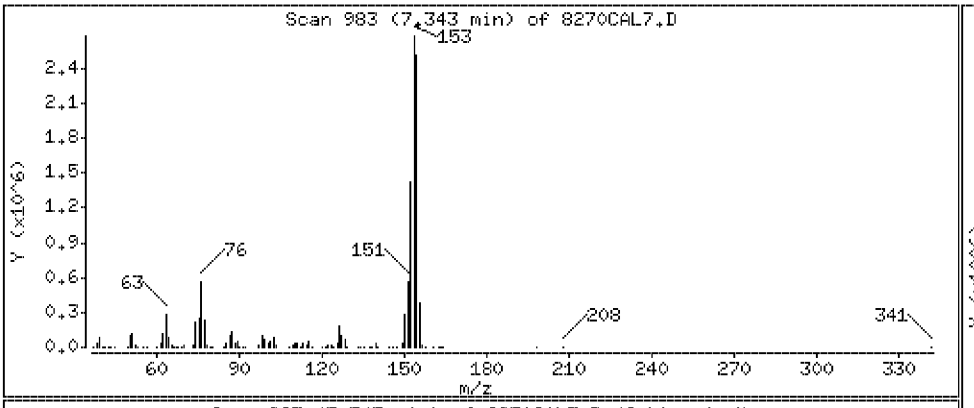
Operator: PEL

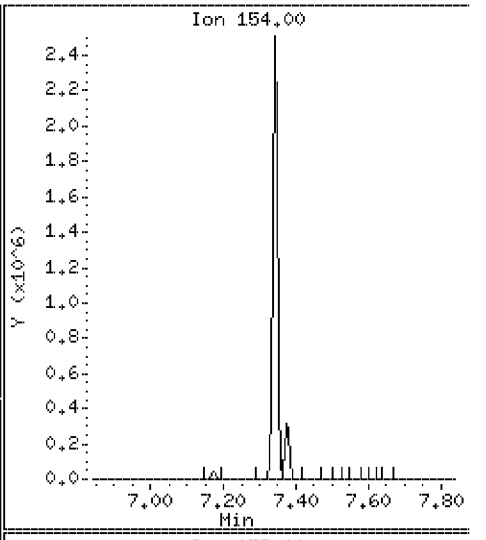
Column phase: HPMS-5

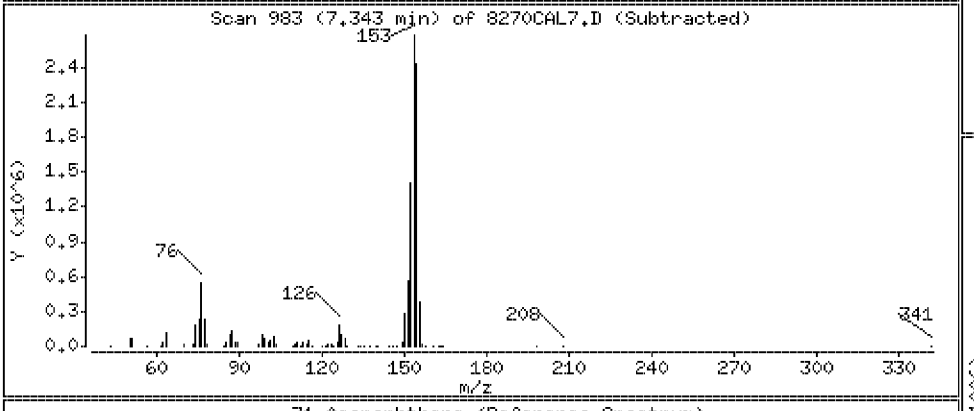
Column diameter: 0.25

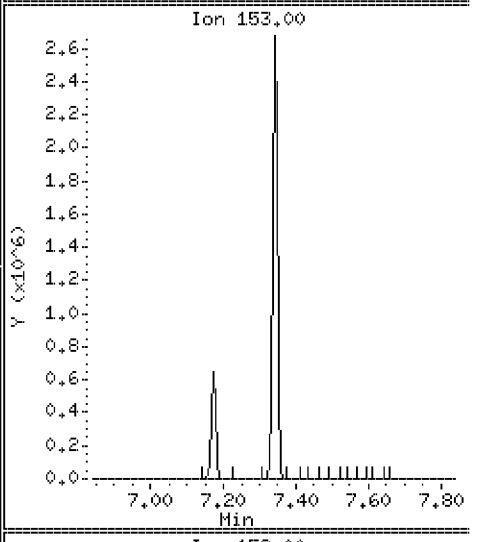
71 Acenaphthene

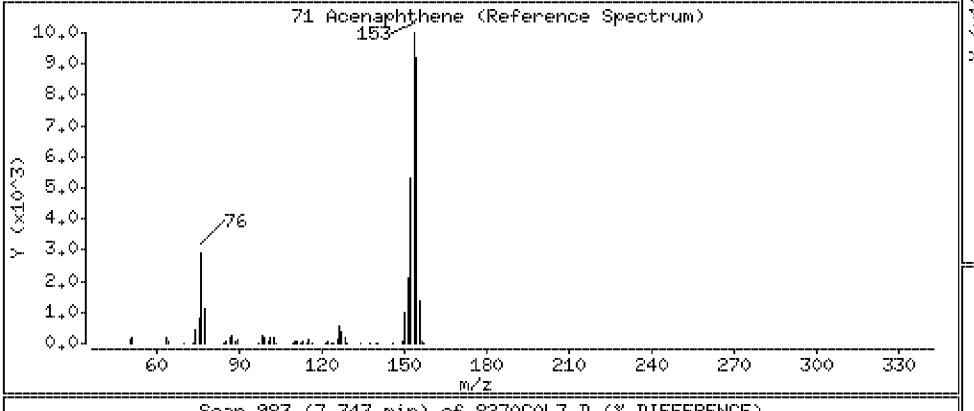
Concentration: 106 ug/l

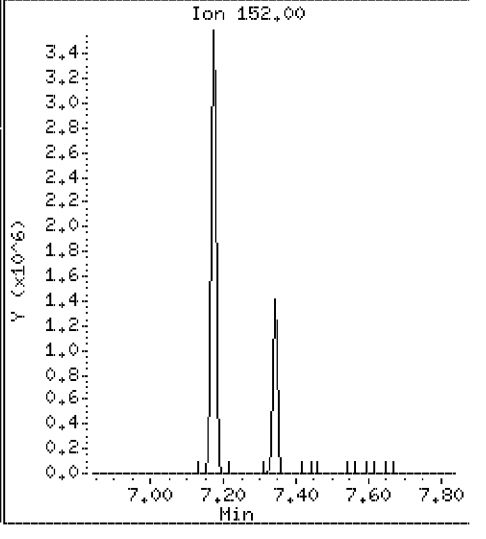


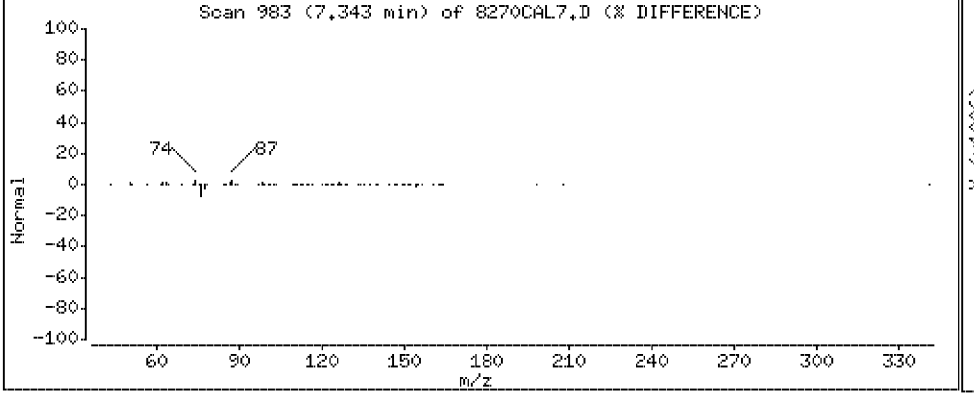












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

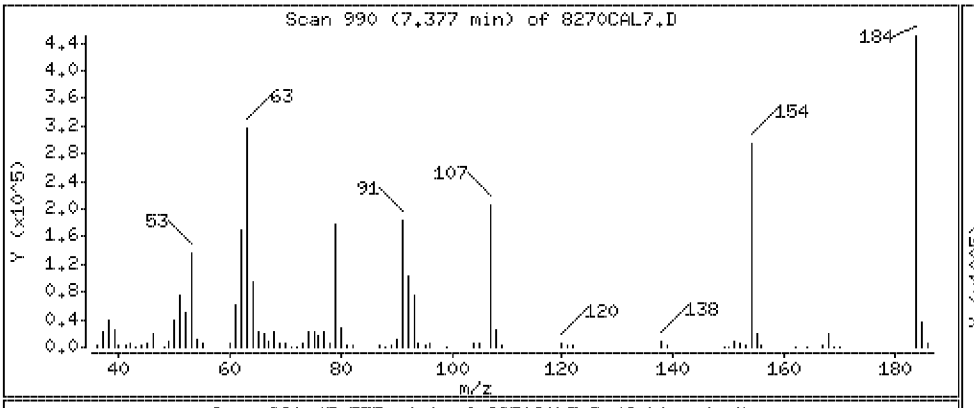
Operator: PEL

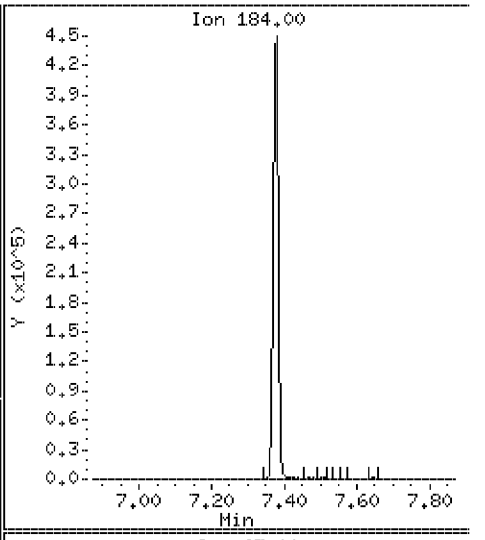
Column phase: HPMS-5

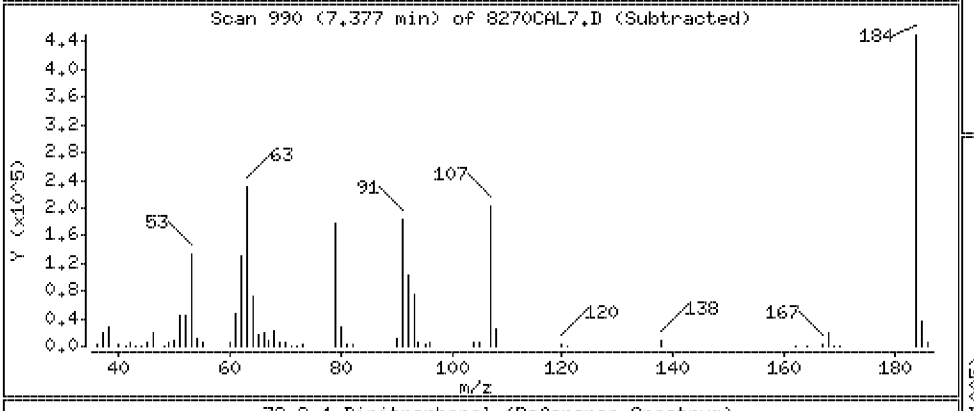
Column diameter: 0.25

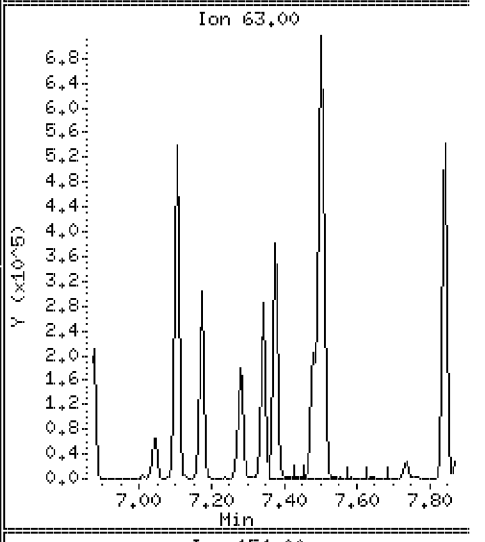
72 2,4-Dinitrophenol

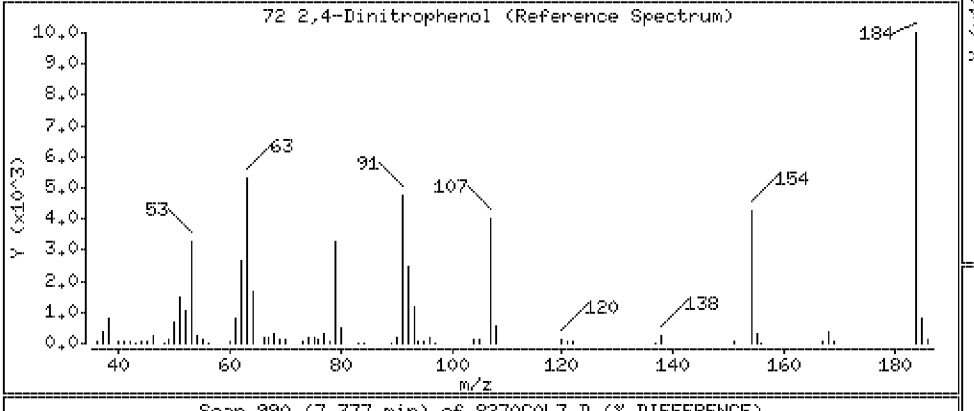
Concentration: 100 ug/l

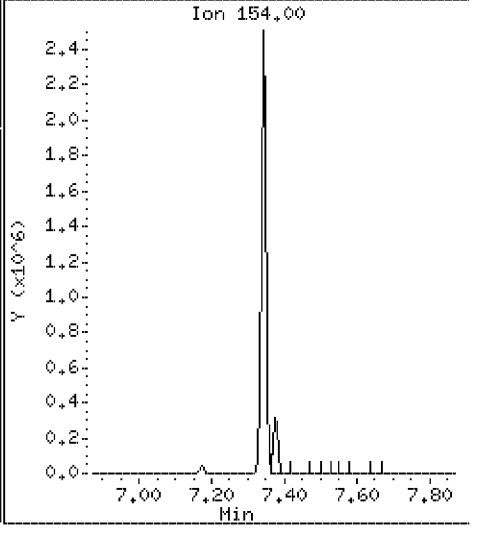


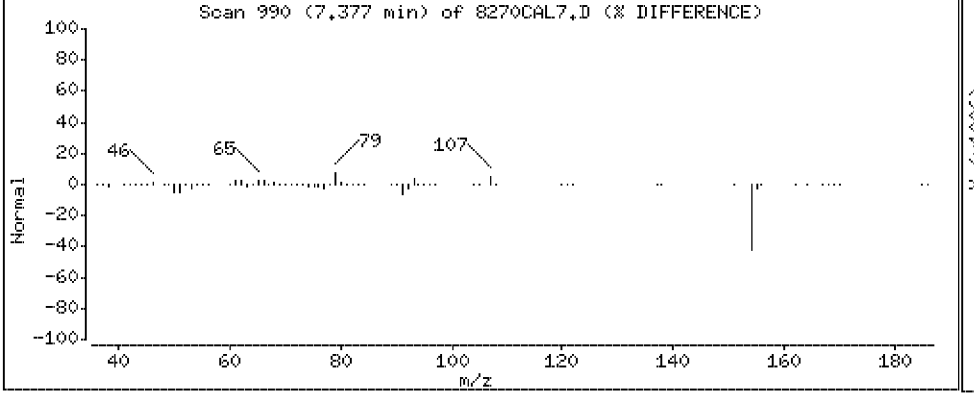












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

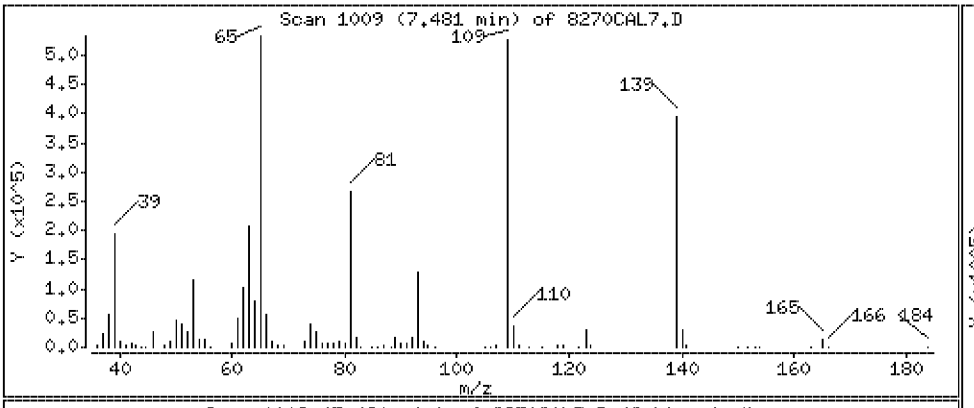
Operator: PEL

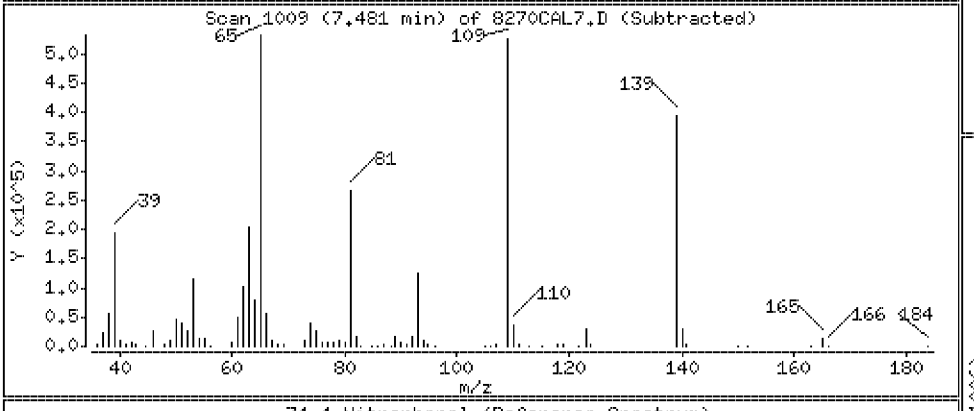
Column phase: HPMS-5

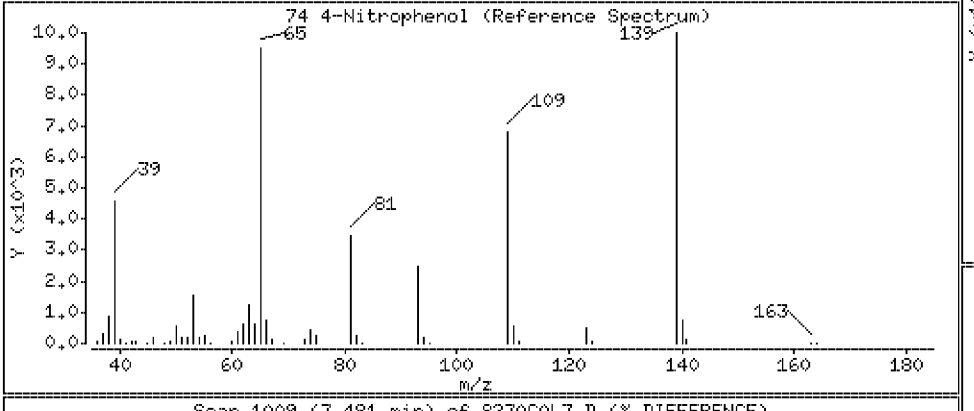
Column diameter: 0.25

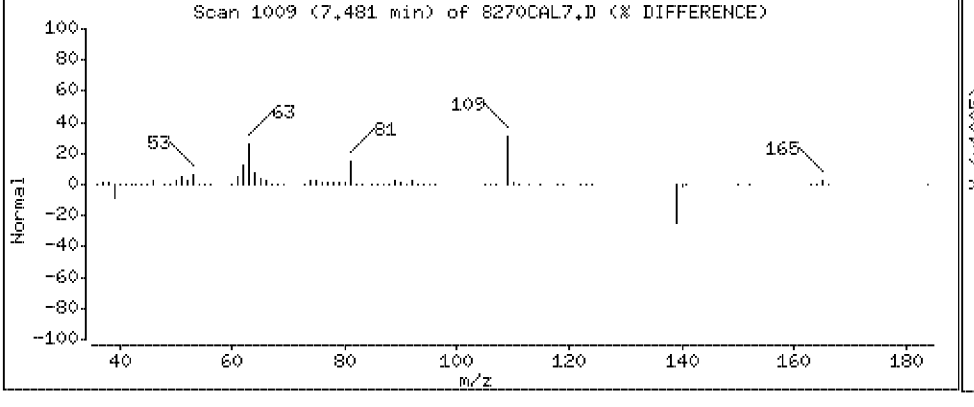
74 4-Nitrophenol

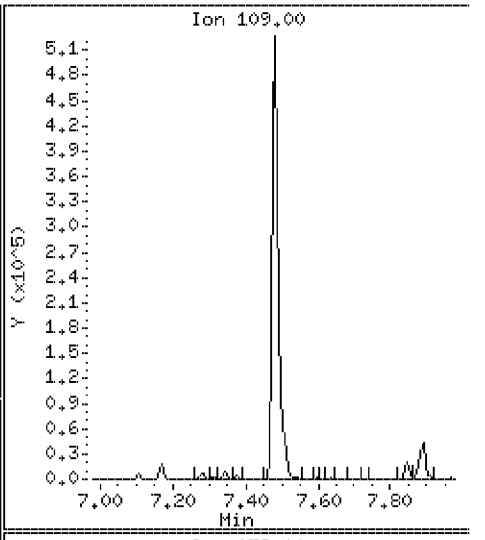
Concentration: 105 ug/l

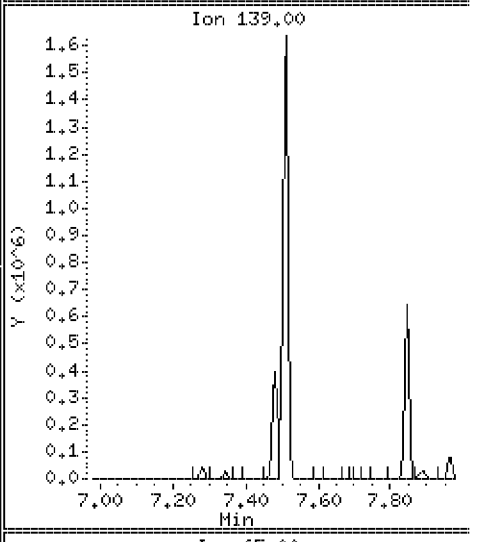


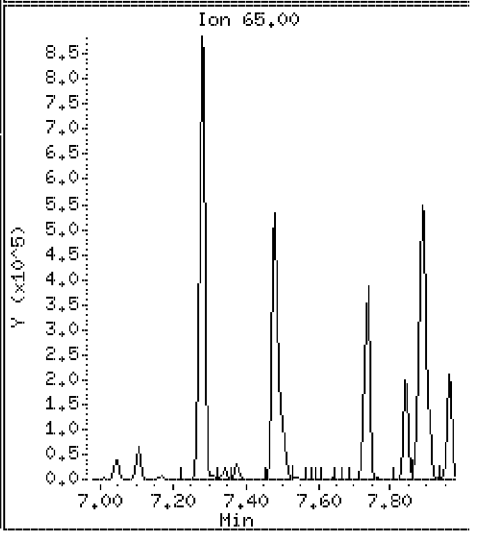












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

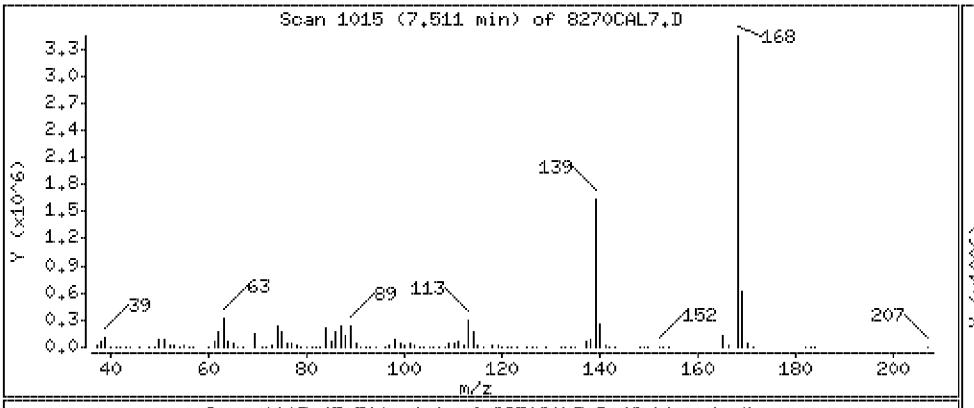
Operator: PEL

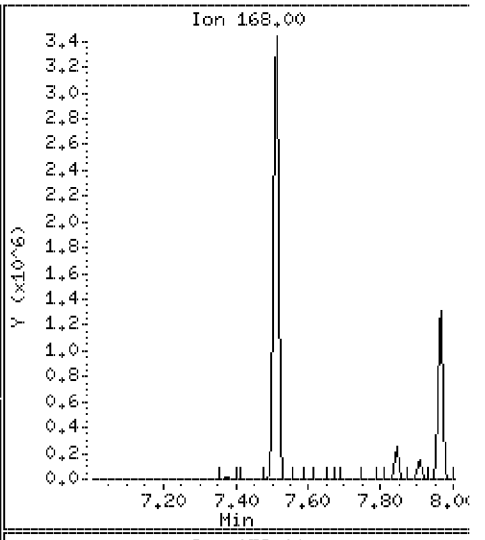
Column phase: HPMS-5

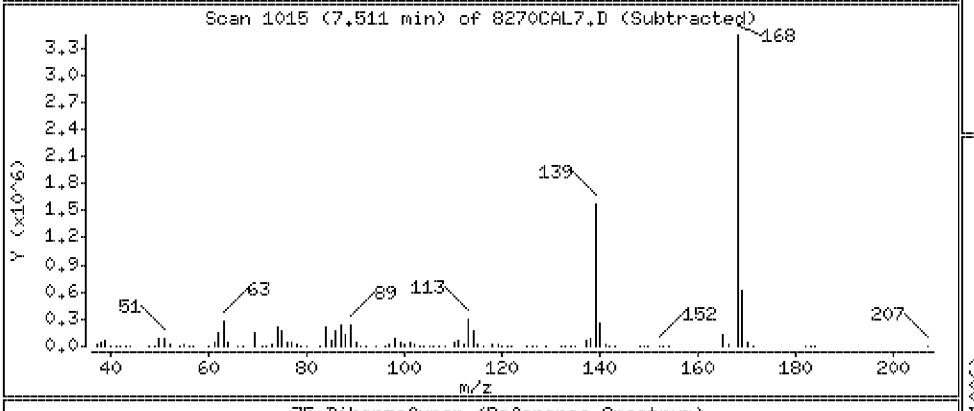
Column diameter: 0.25

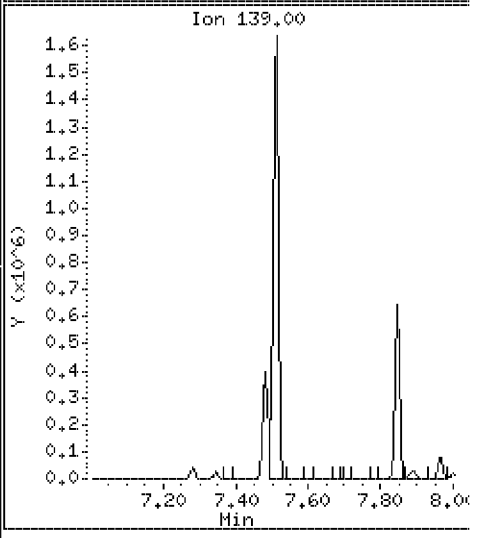
75 Dibenzofuran

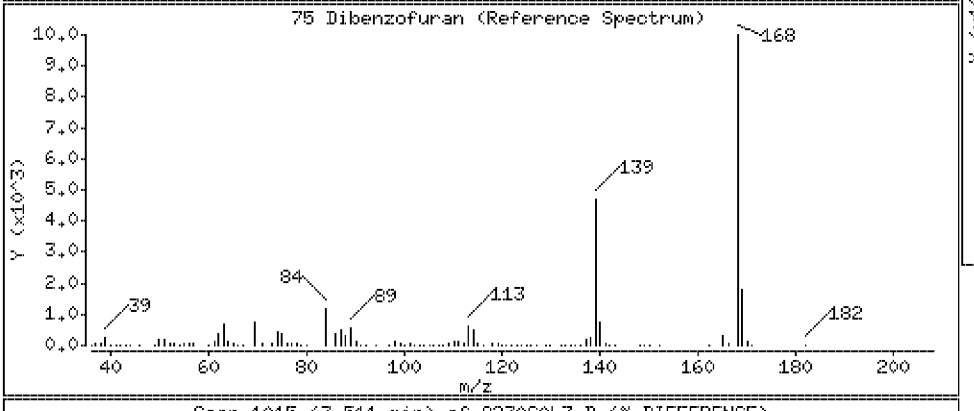
Concentration: 100 ug/l

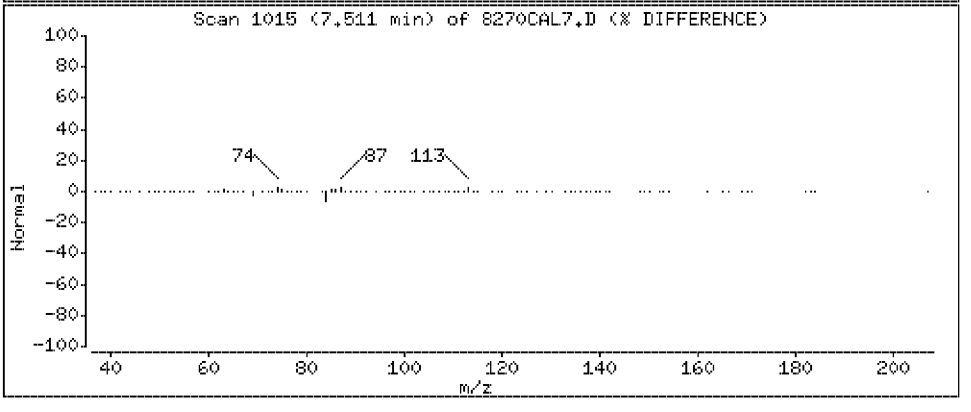












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

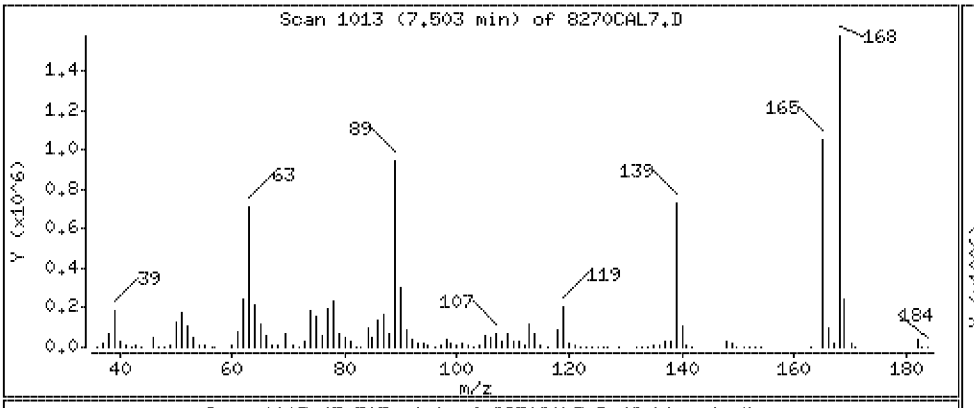
Operator: PEL

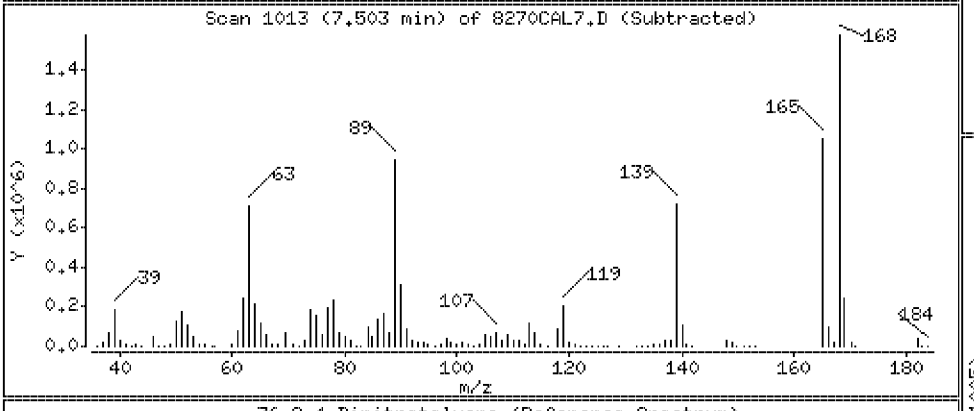
Column phase: HPMS-5

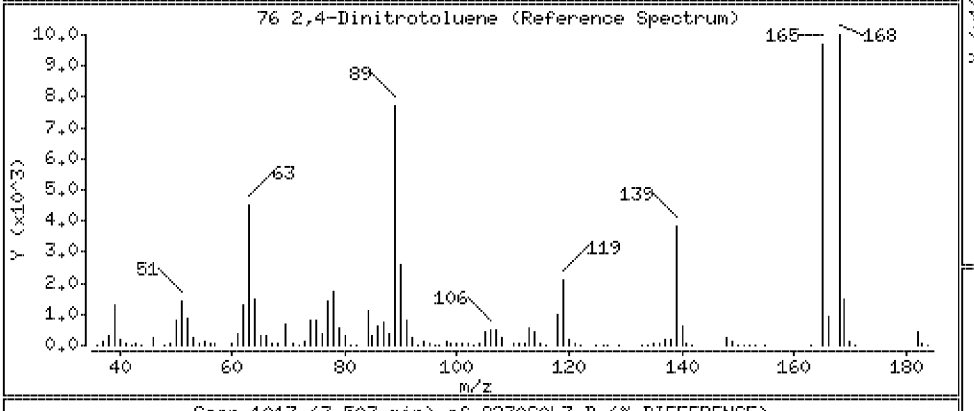
Column diameter: 0.25

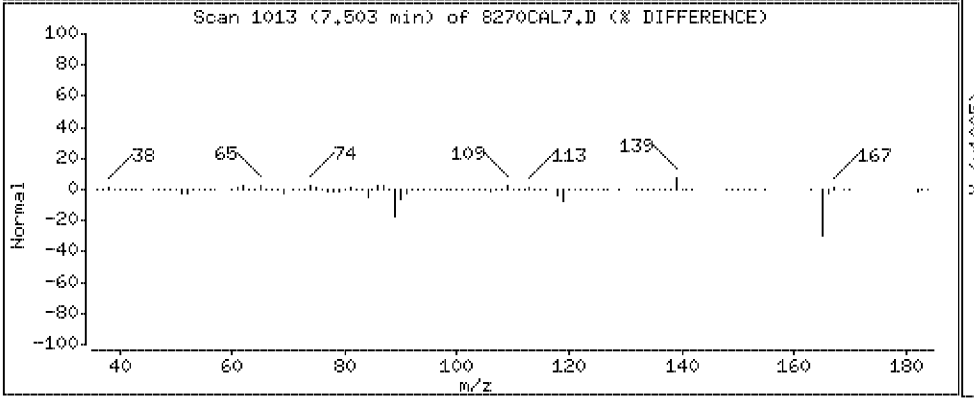
76 2,4-Dinitrotoluene

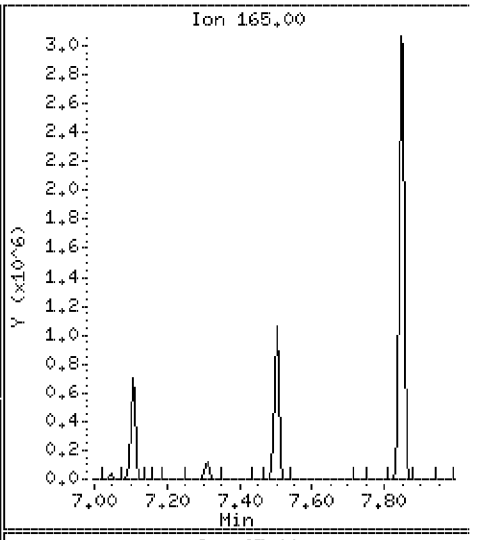
Concentration: 109 ug/l

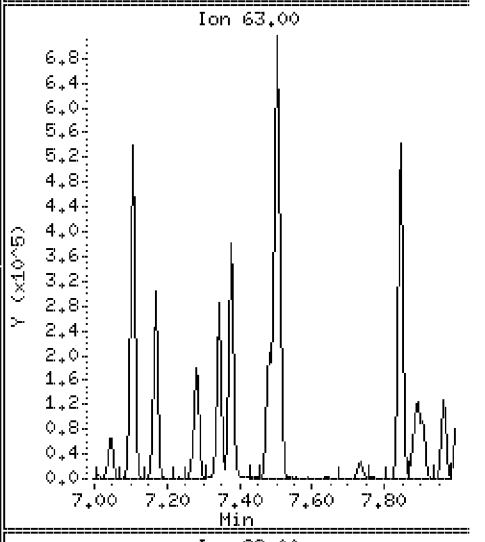


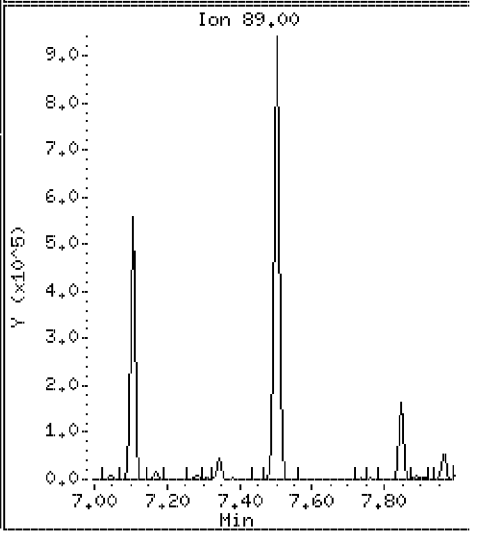












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

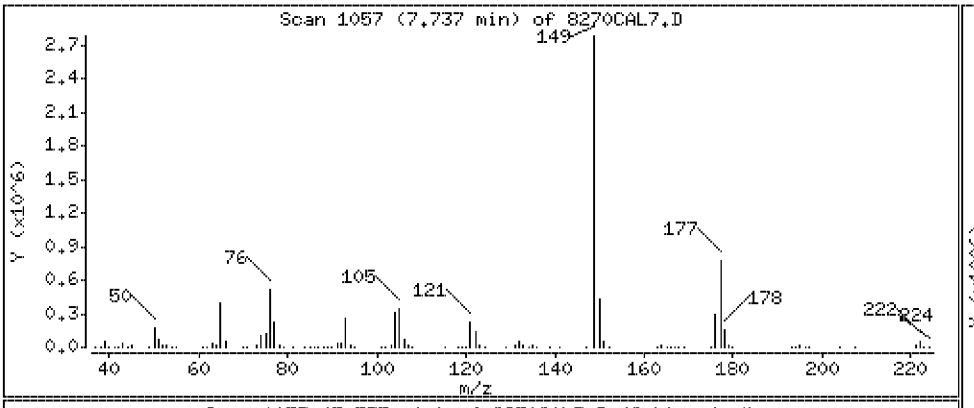
Operator: PEL

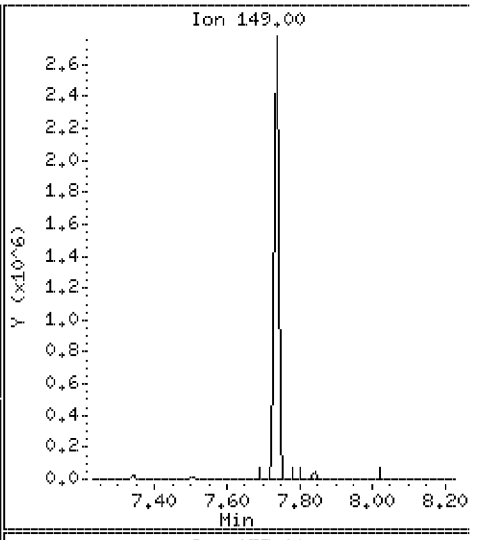
Column phase: HPMS-5

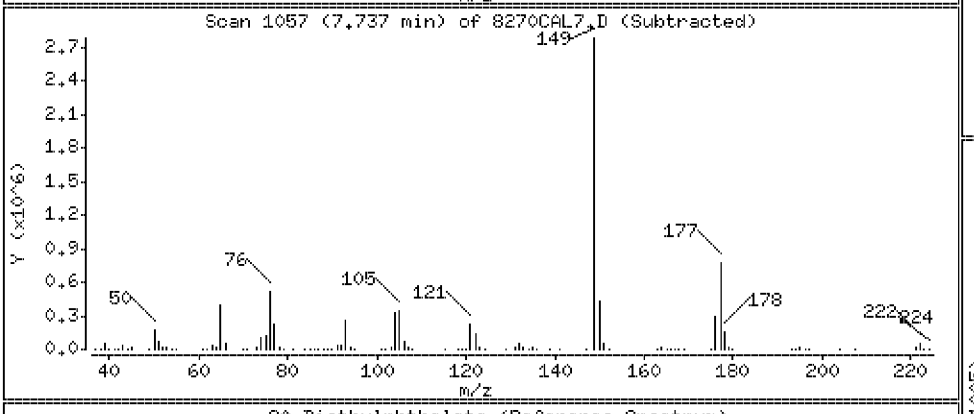
Column diameter: 0.25

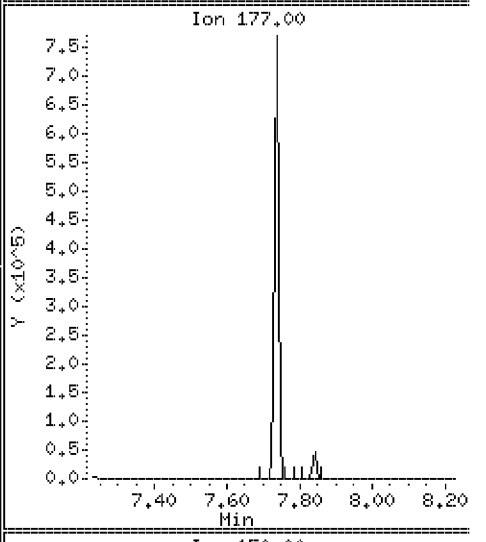
80 Diethylphthalate

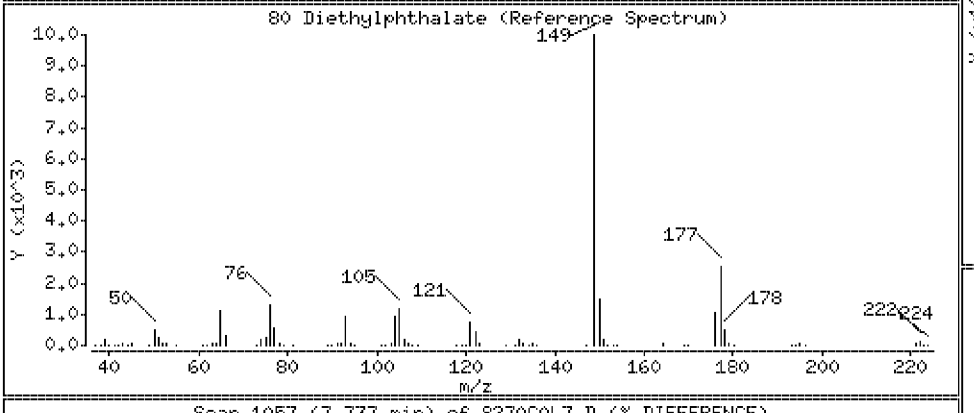
Concentration: 98.2 ug/l

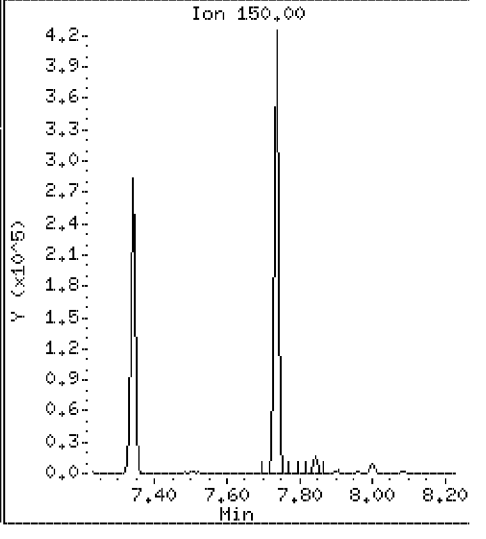


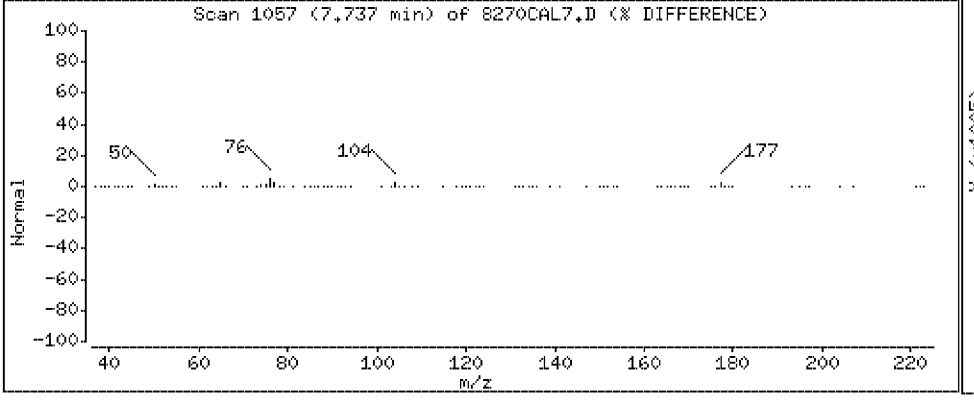












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

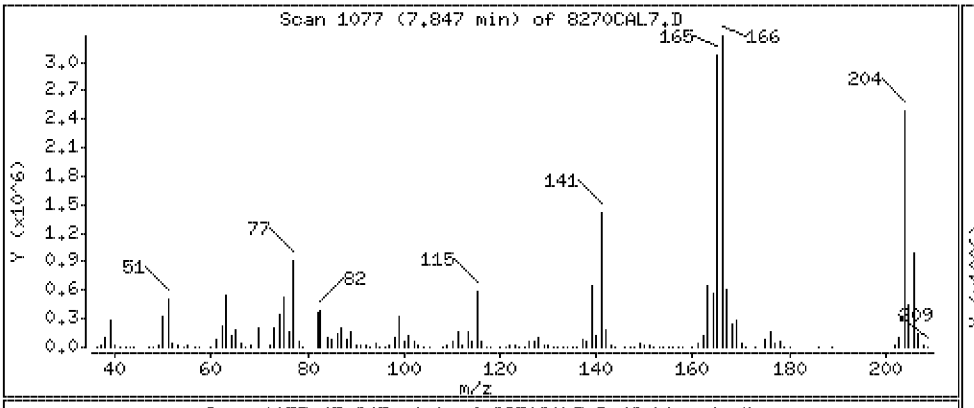
Operator: PEL

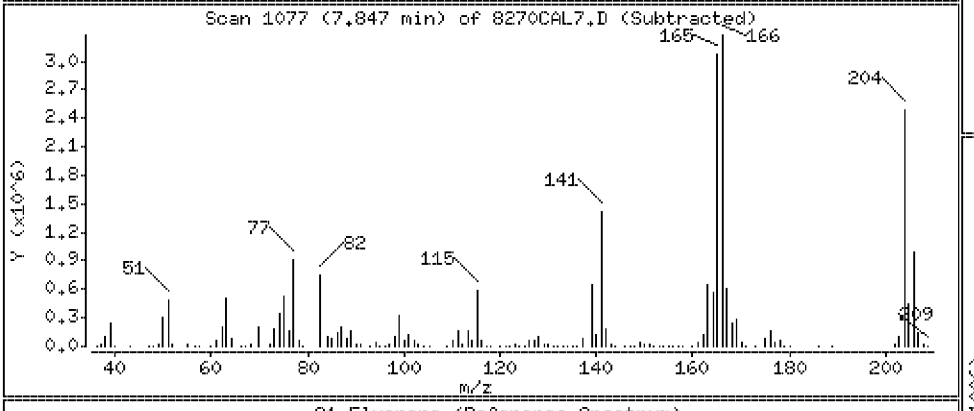
Column phase: HPMS-5

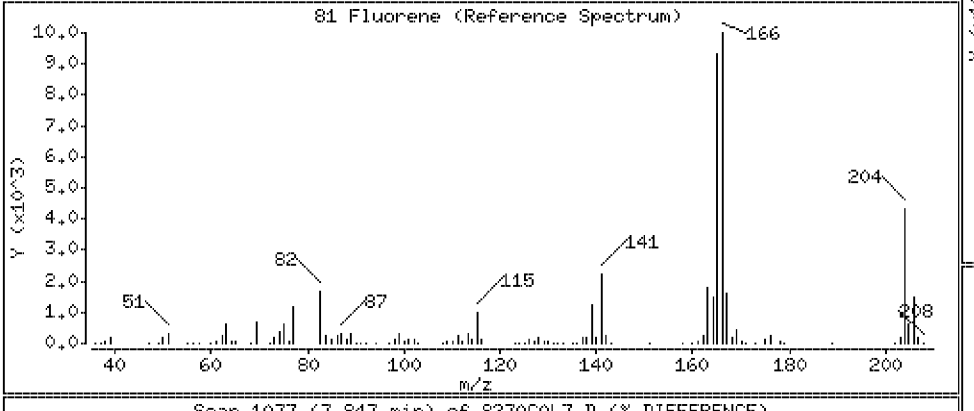
Column diameter: 0.25

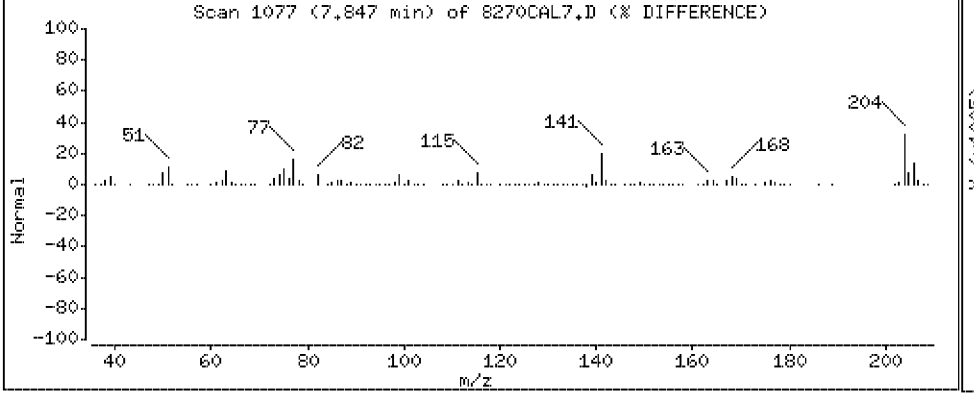
81 Fluorene

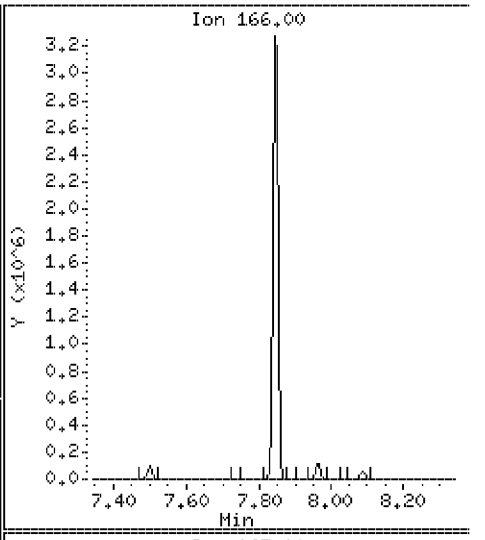
Concentration: 106 ug/l

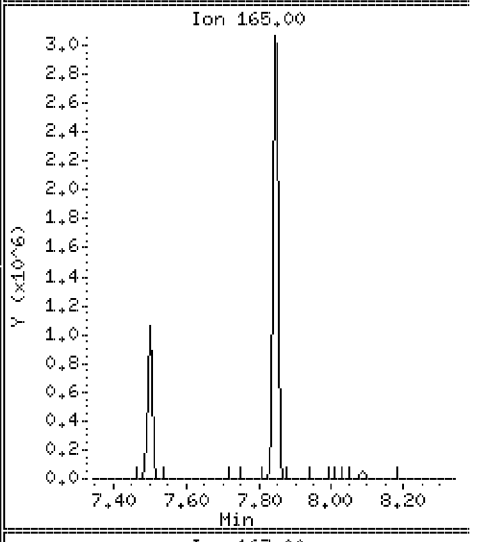


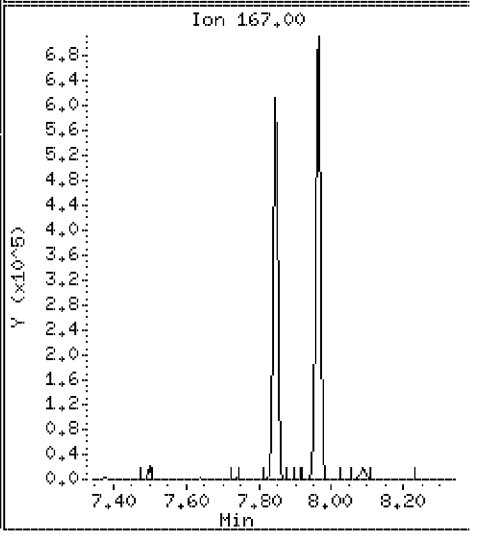












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

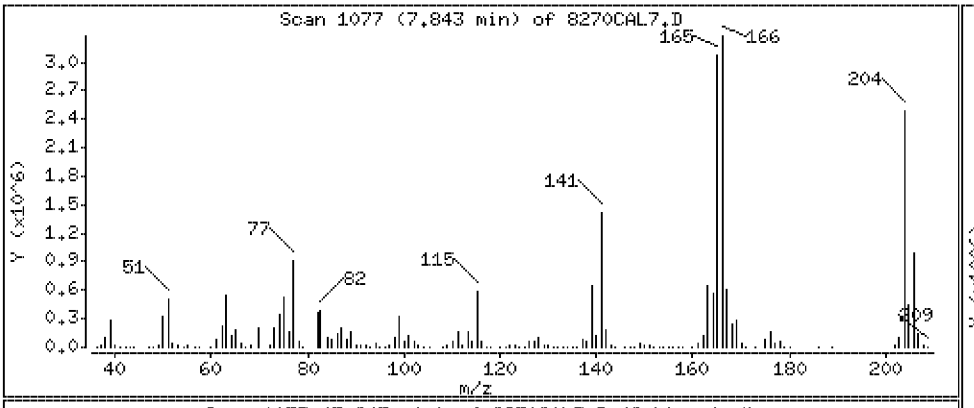
Operator: PEL

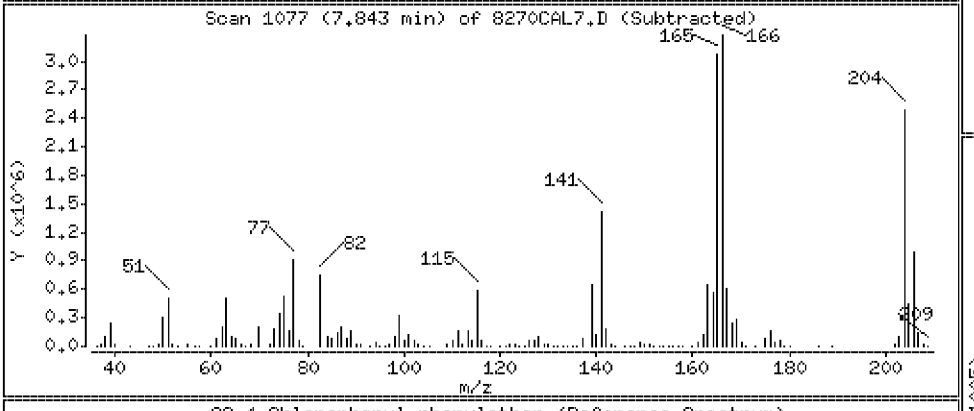
Column phase: HPMS-5

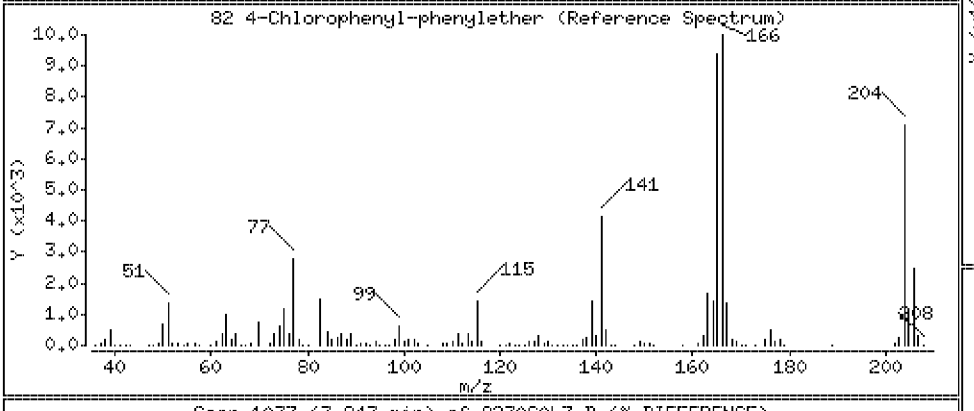
Column diameter: 0.25

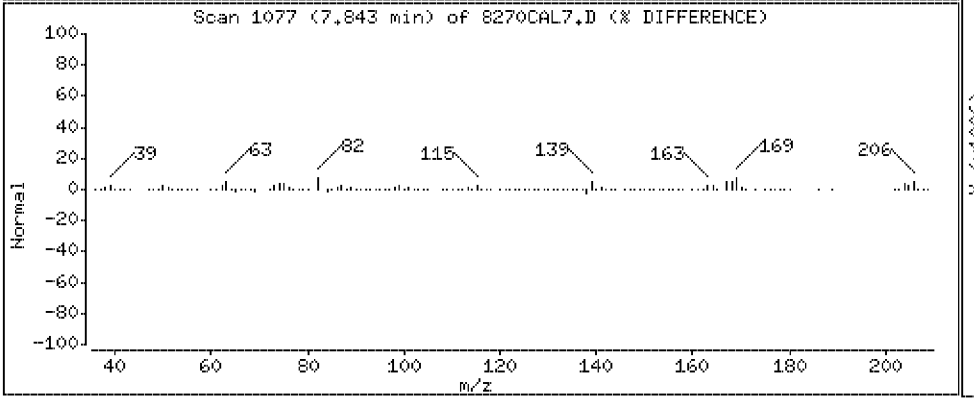
82 4-Chlorophenyl-phenylether

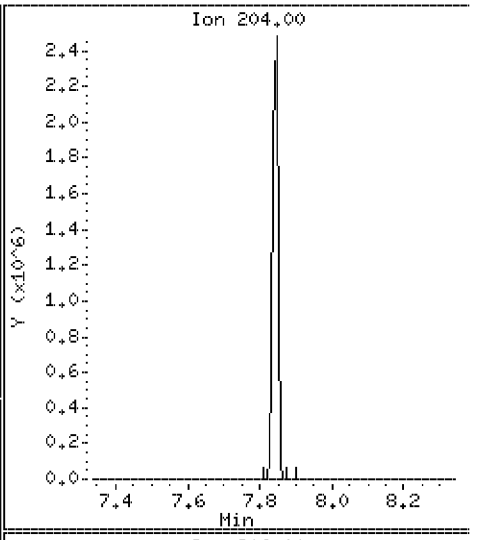
Concentration: 112 ug/l

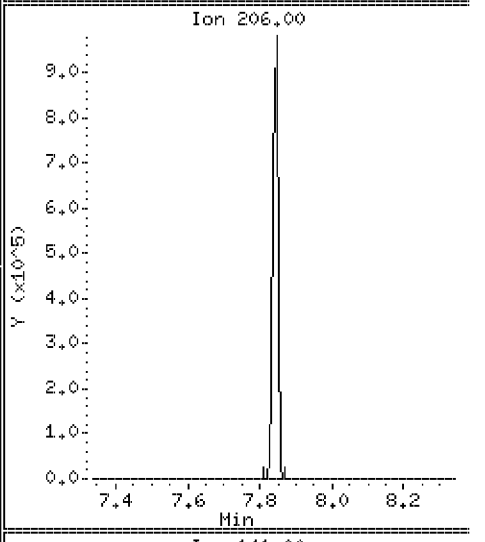


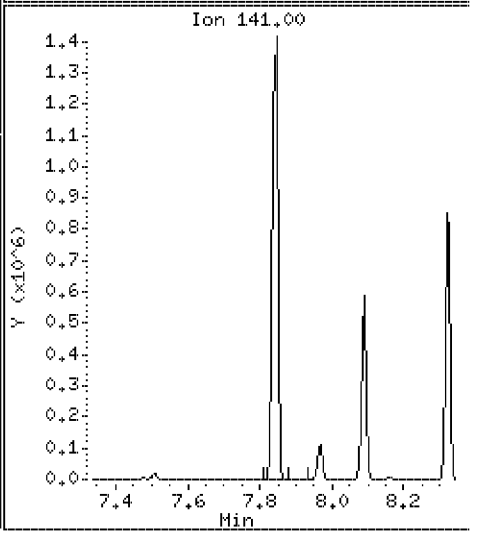












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

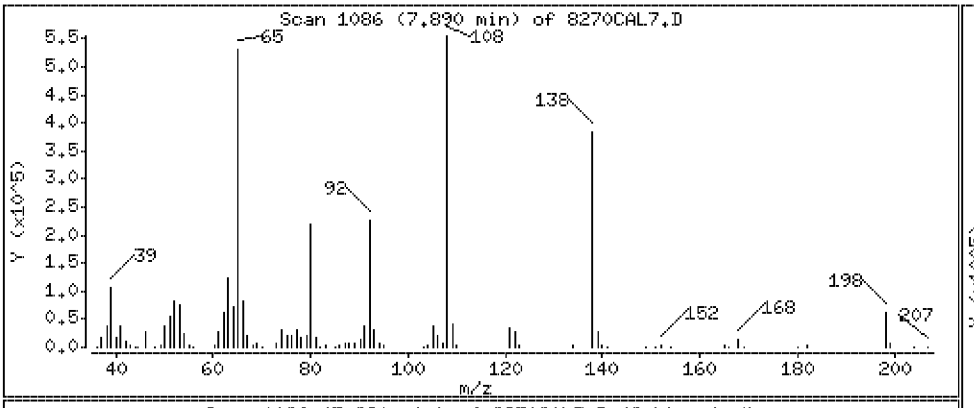
Operator: PEL

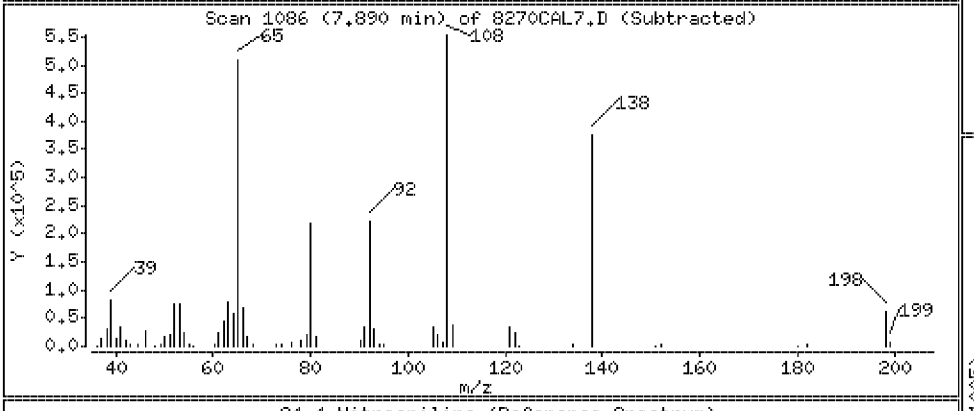
Column phase: HPMS-5

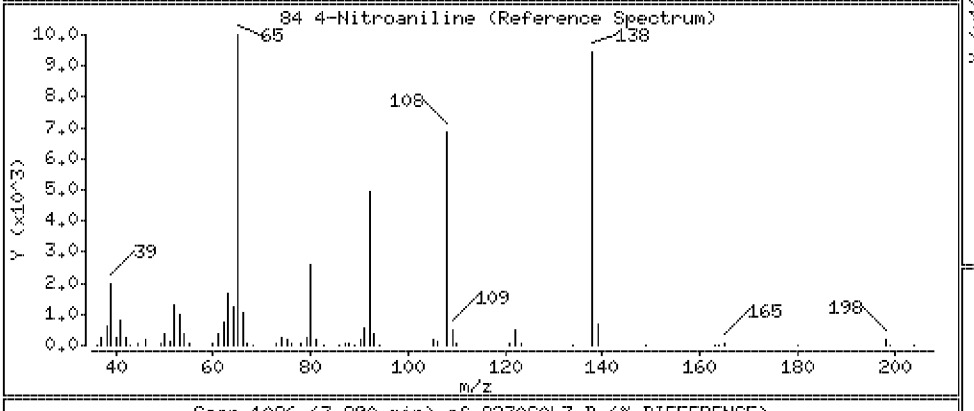
Column diameter: 0.25

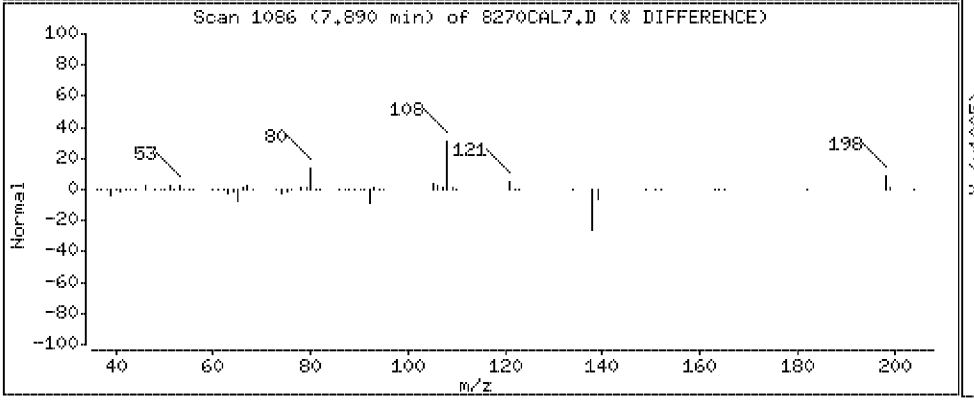
84 4-Nitroaniline

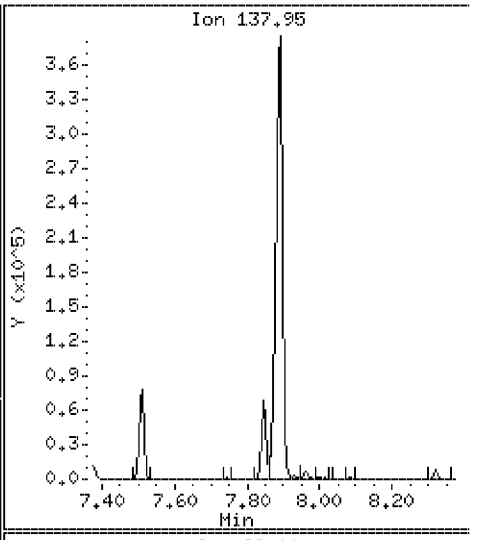
Concentration: 104 ug/l

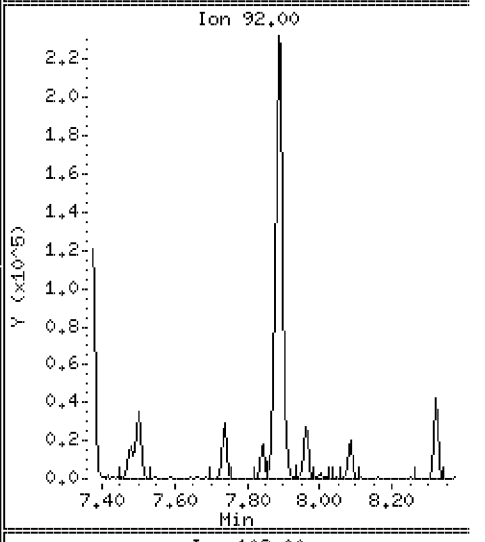


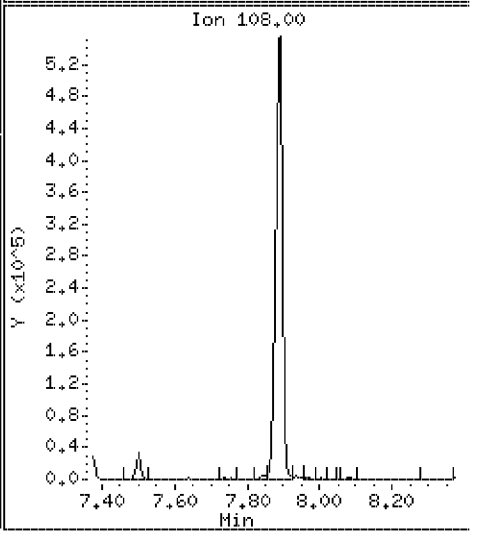












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

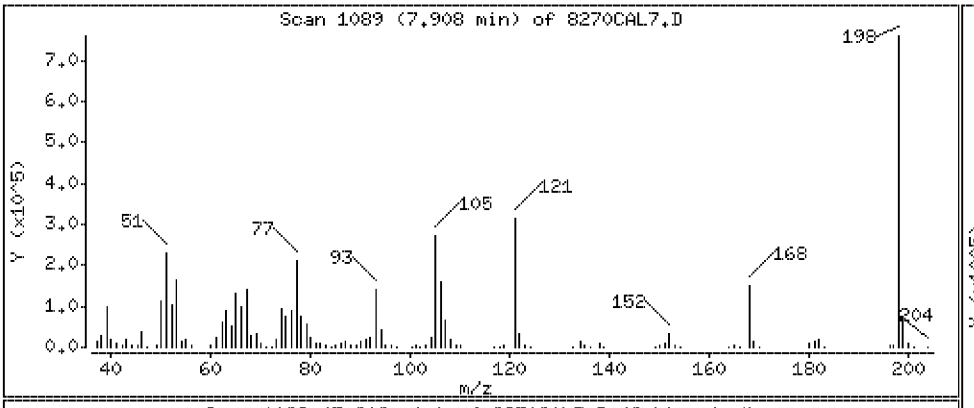
Operator: PEL

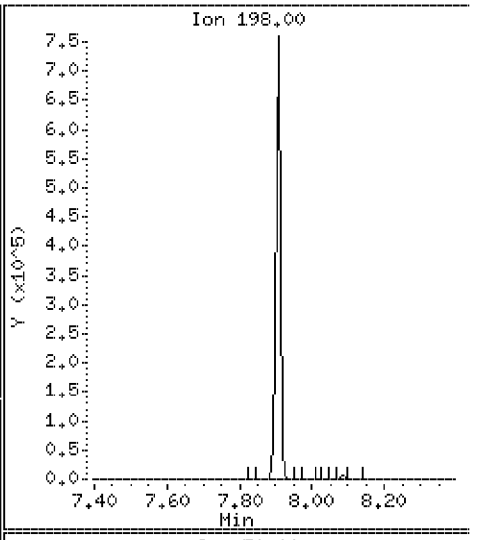
Column phase: HPMS-5

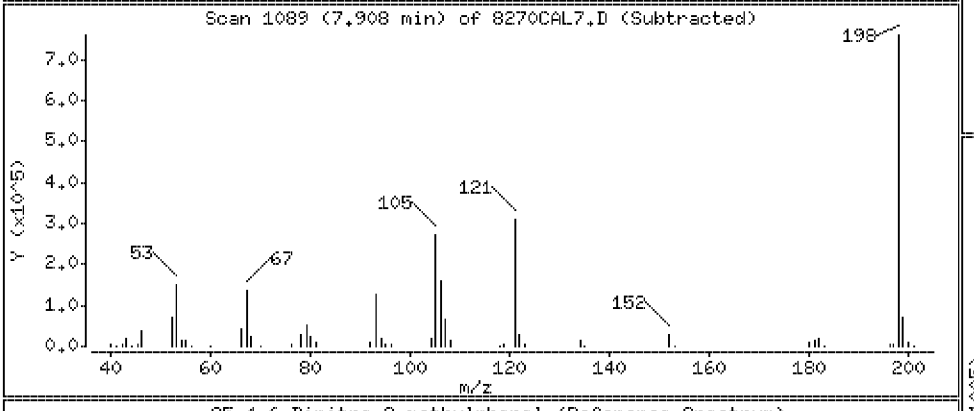
Column diameter: 0.25

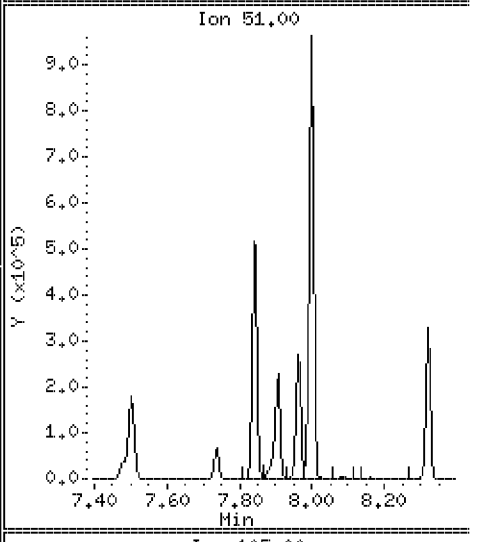
85 4,6-Dinitro-2-methylphenol

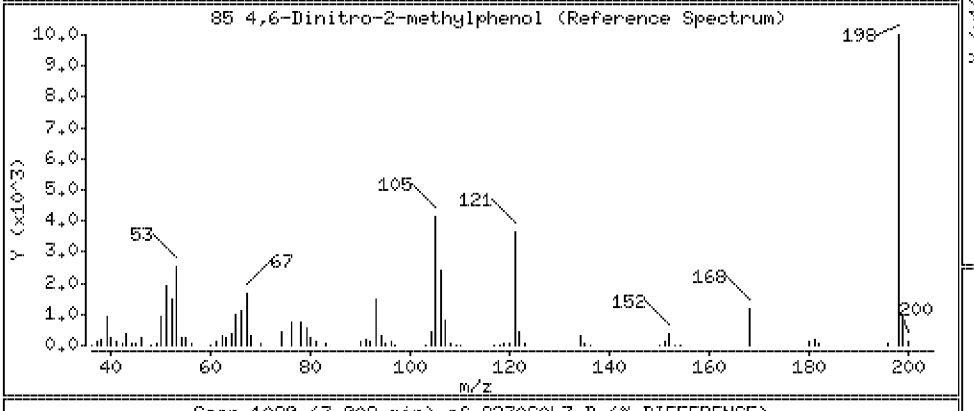
Concentration: 102 ug/l

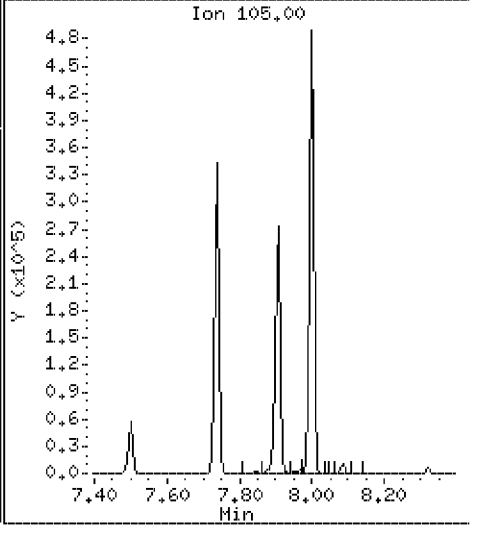


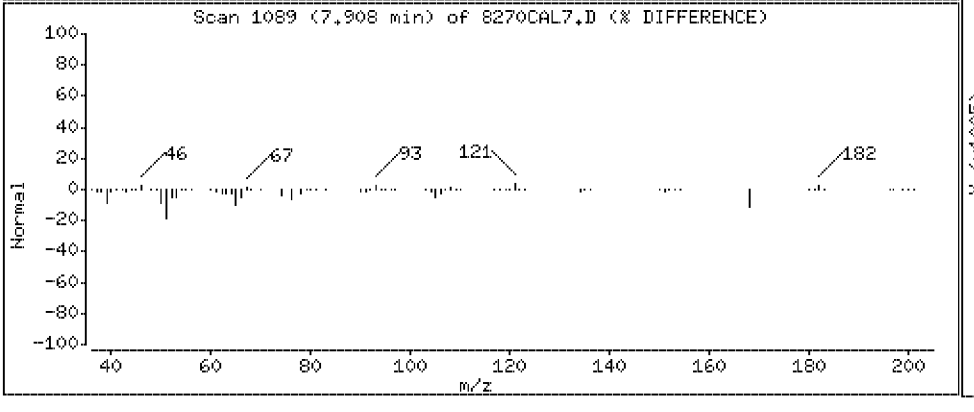












Date : 23-APR-2012 10:23

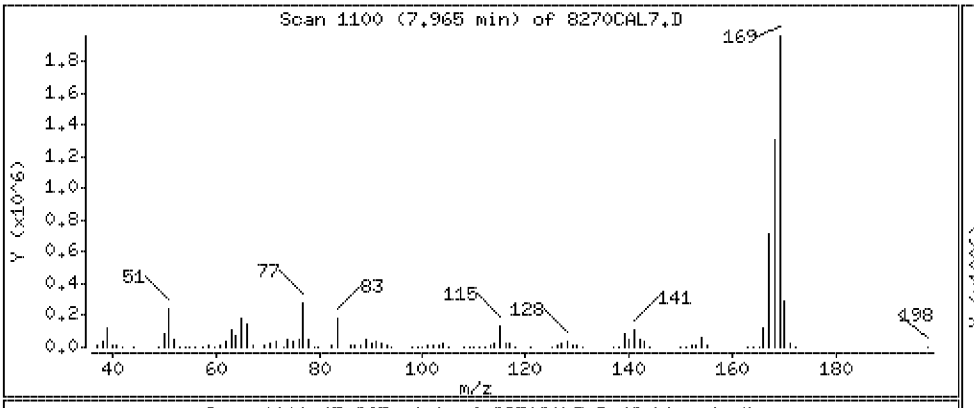
Client ID: 8270CAL7 Instrument: smsd03.i

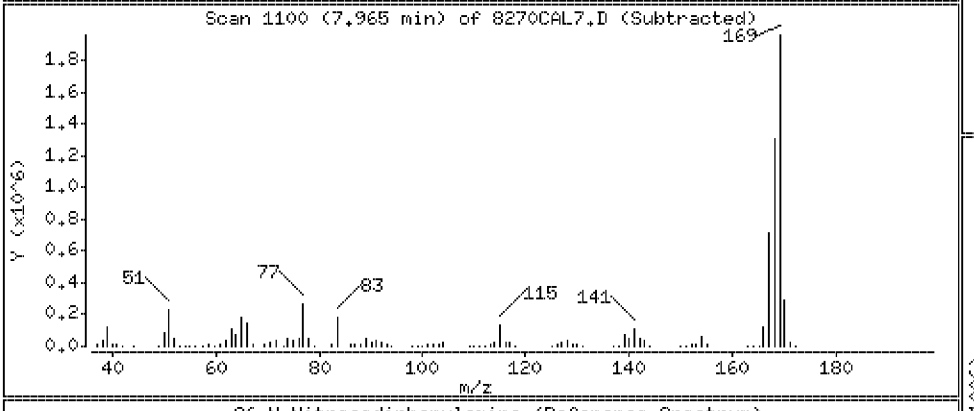
Sample Info: 45921

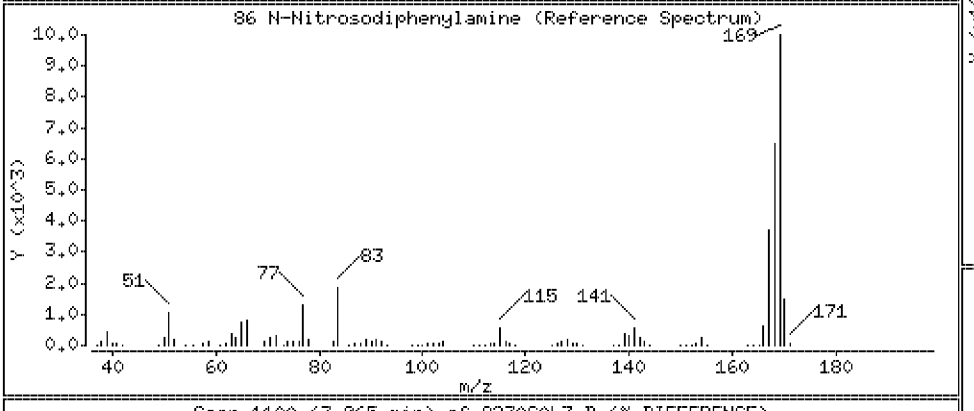
Purge Volume: 1000.0 Operator: PEL

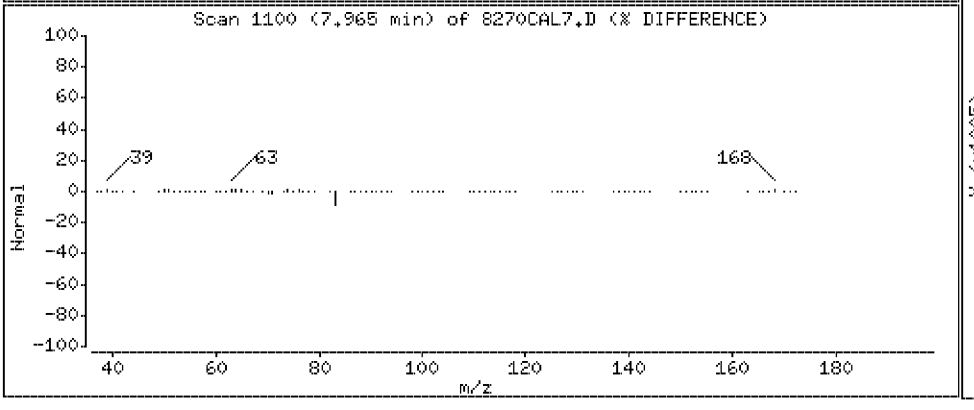
Column phase: HPMS-5 Column diameter: 0.25

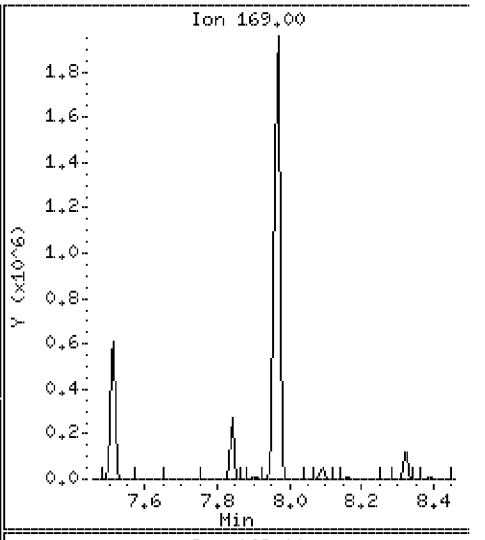
86 N-Nitrosodiphenylamine Concentration: 104 ug/l

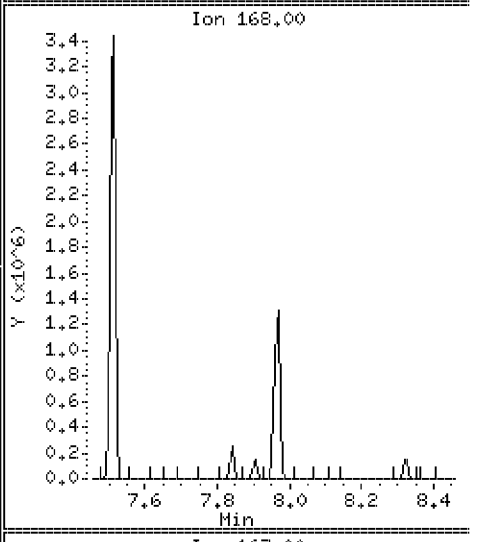


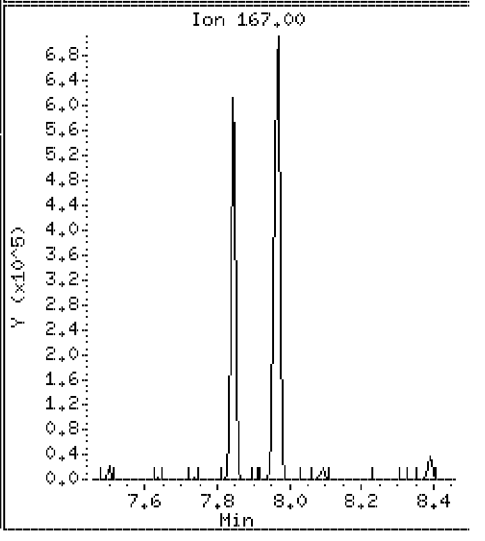












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

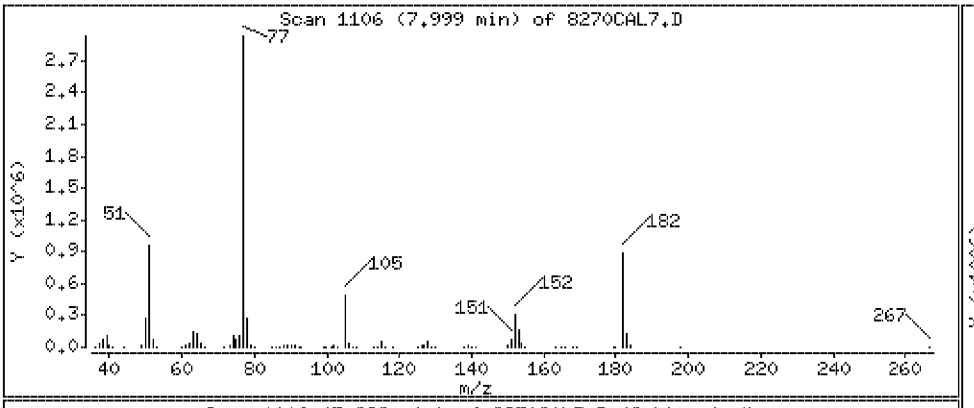
Operator: PEL

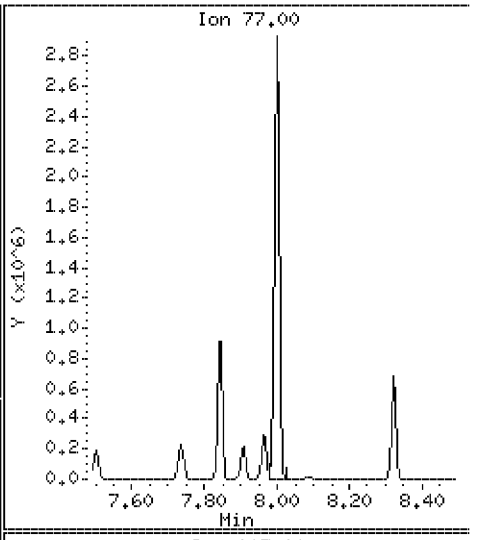
Column phase: HPMS-5

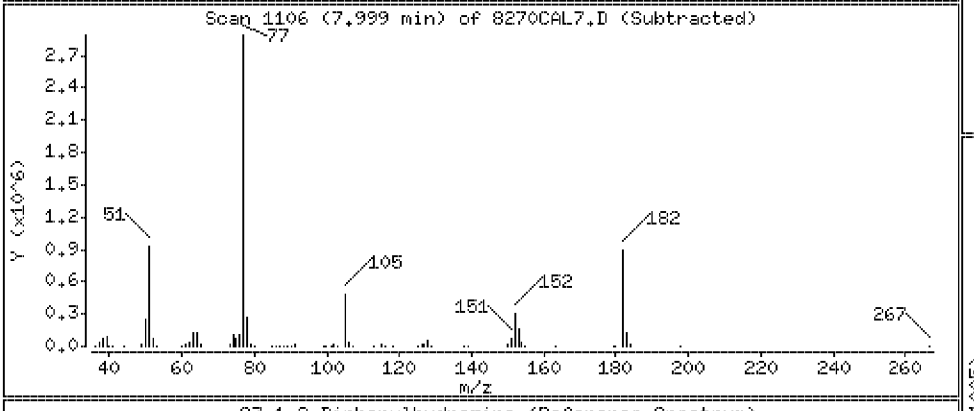
Column diameter: 0.25

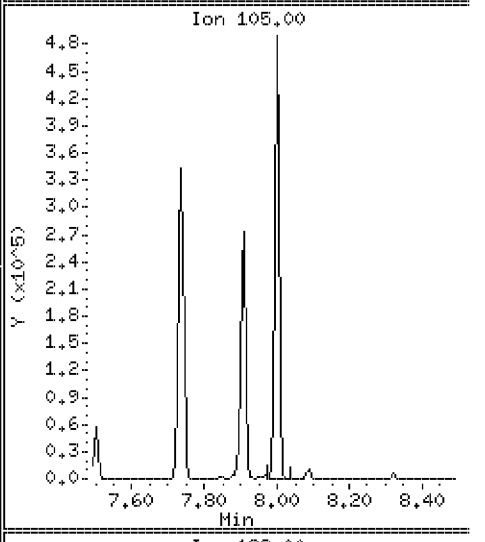
87 1,2-Diphenylhydrazine

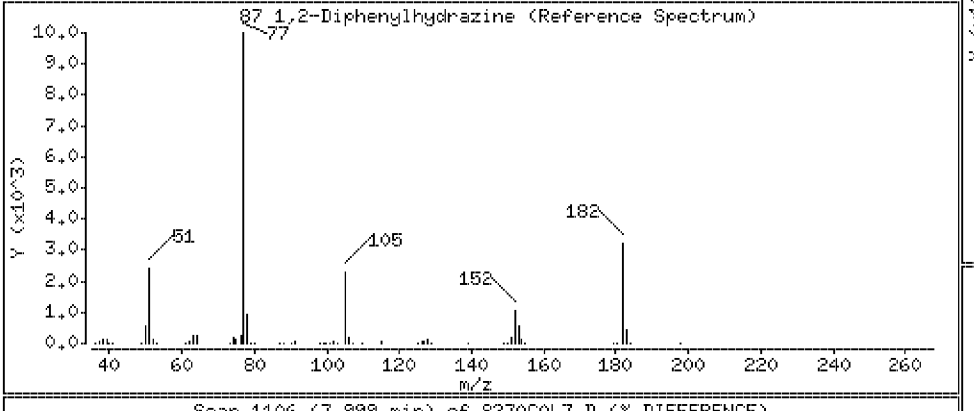
Concentration: 95.6 ug/l

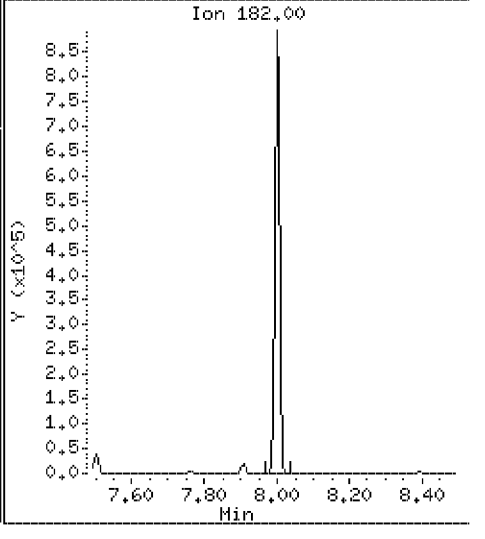


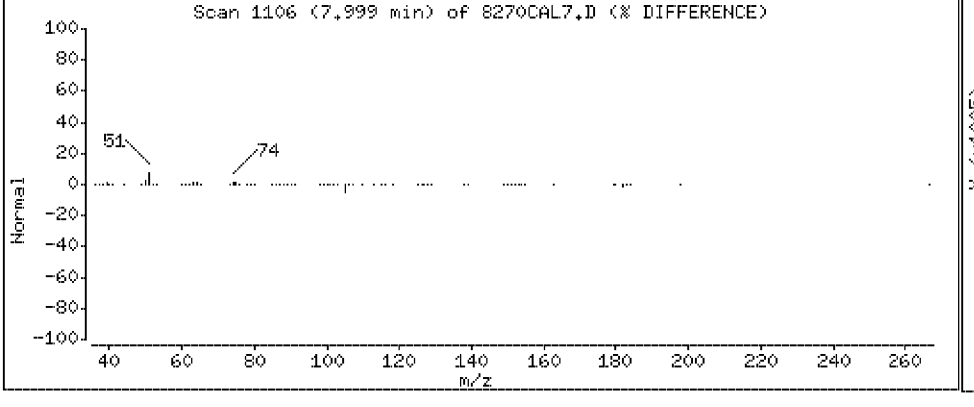












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

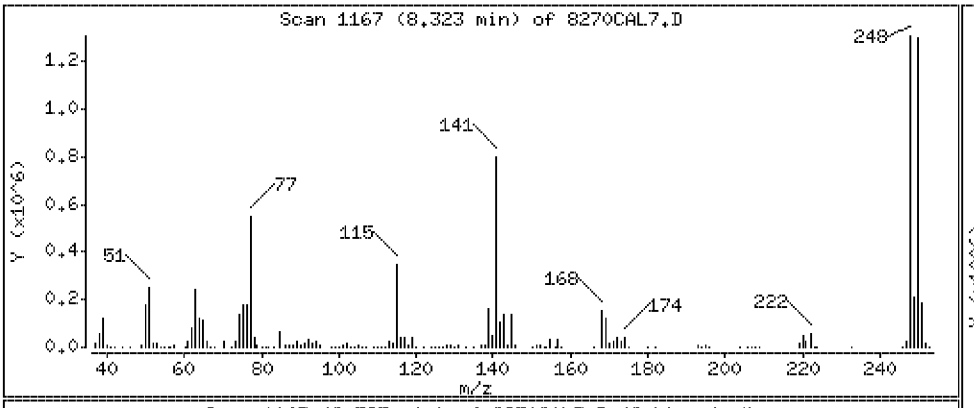
Operator: PEL

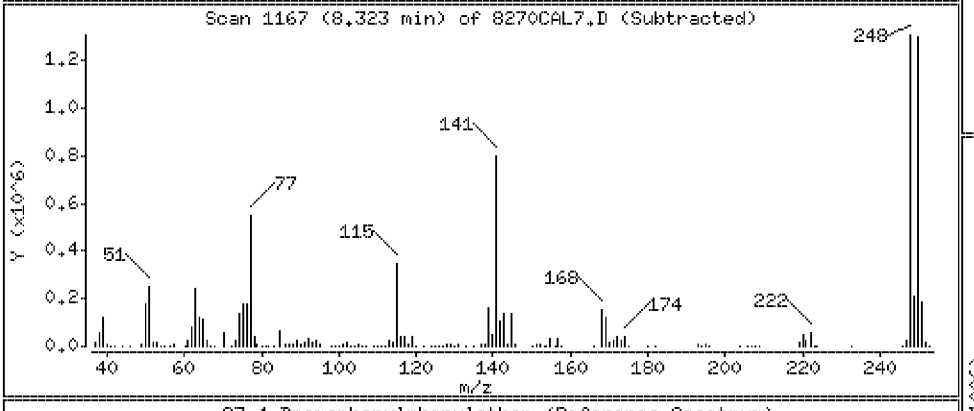
Column phase: HPMS-5

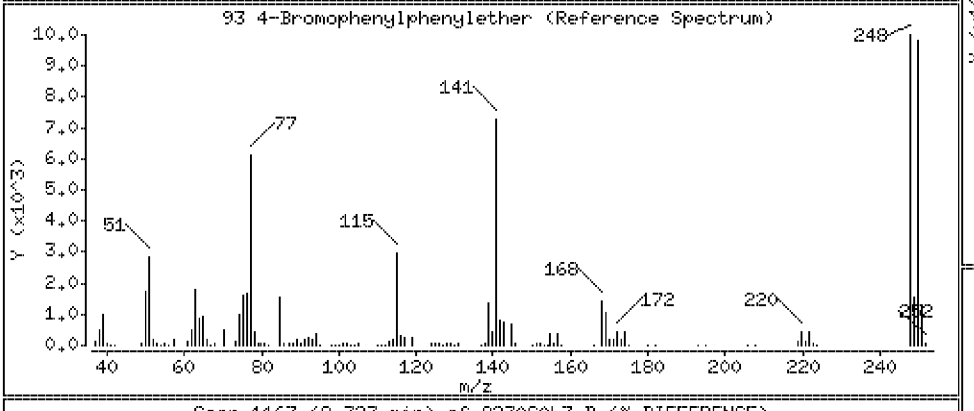
Column diameter: 0.25

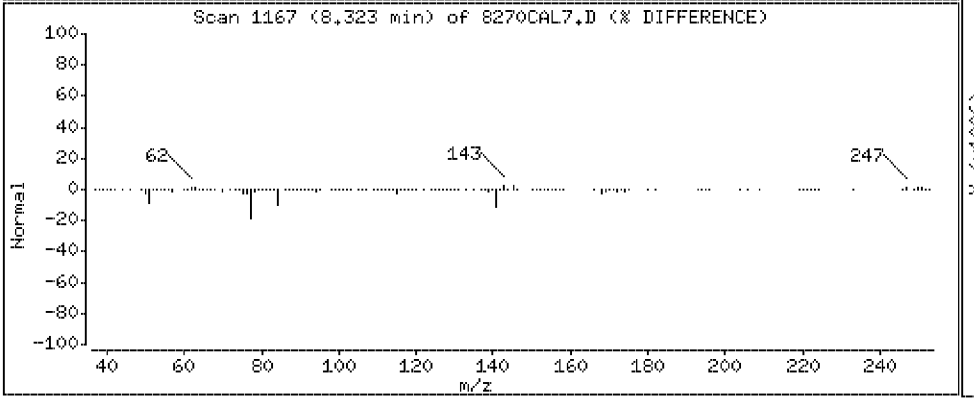
93 4-Bromophenylphenylether

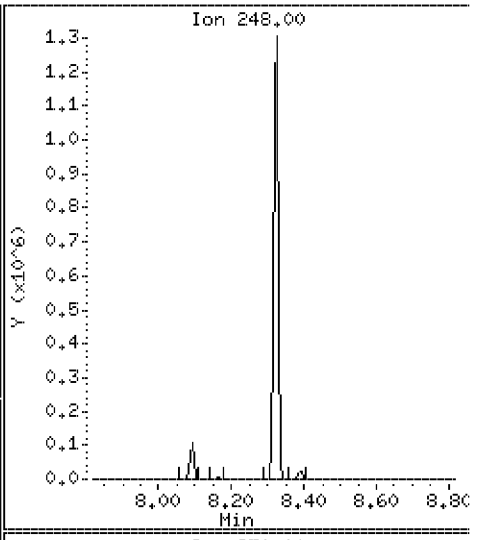
Concentration: 108 ug/l

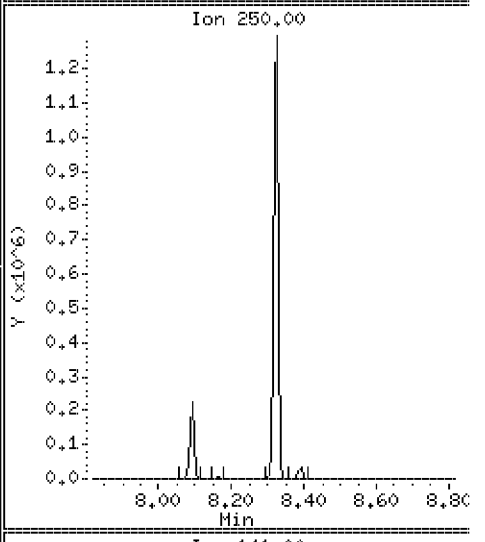


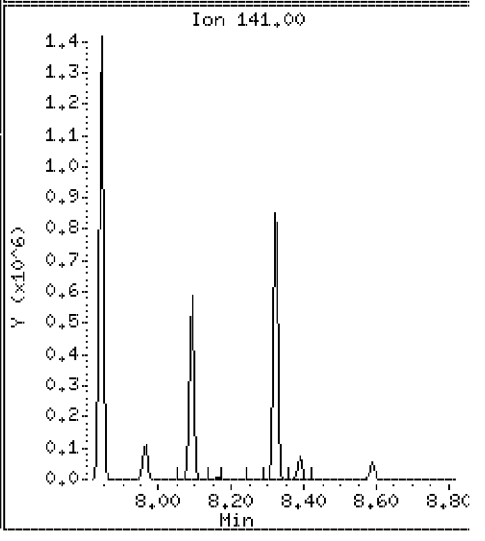












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

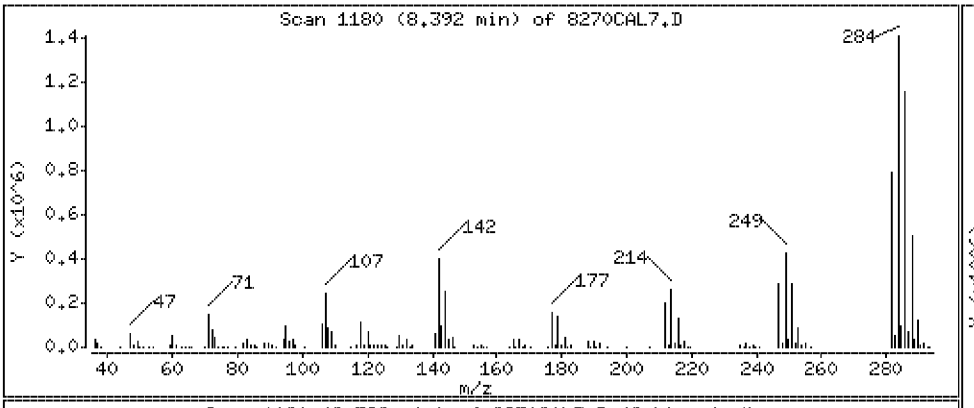
Operator: PEL

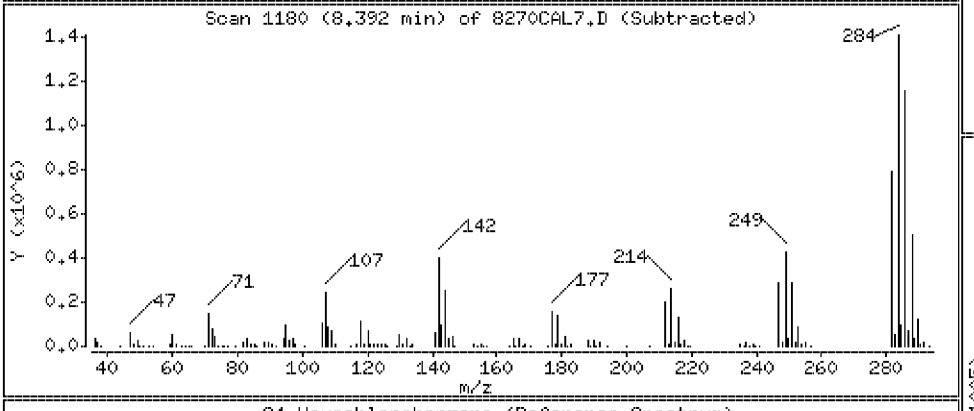
Column phase: HPMS-5

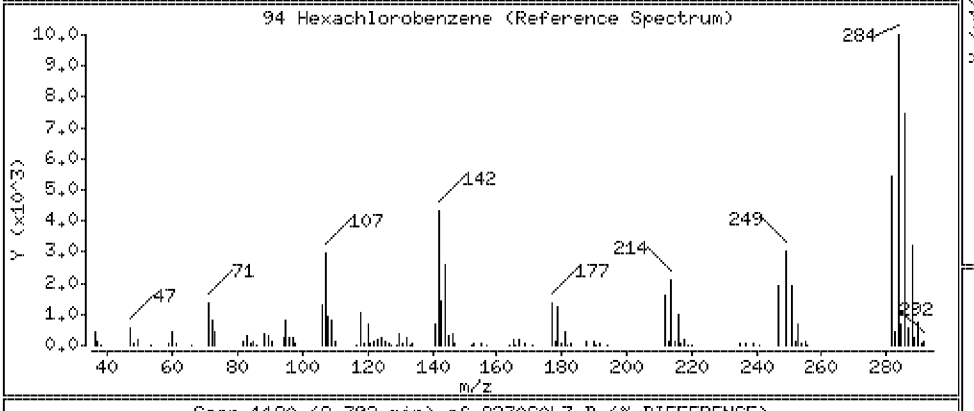
Column diameter: 0.25

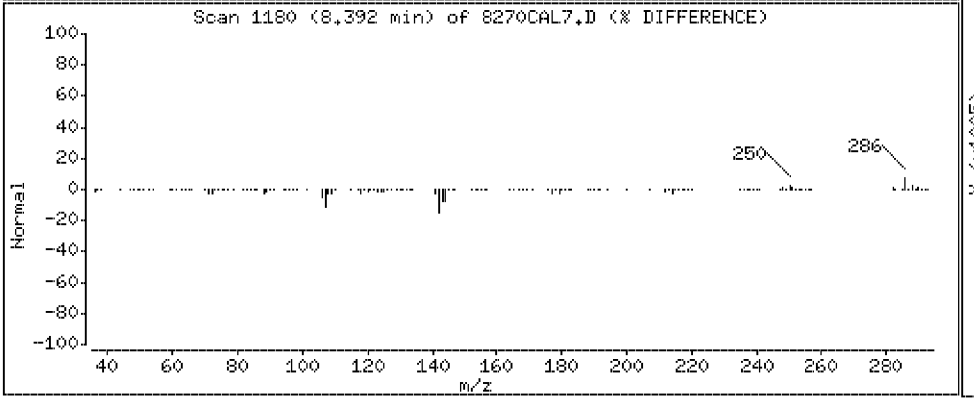
94 Hexachlorobenzene

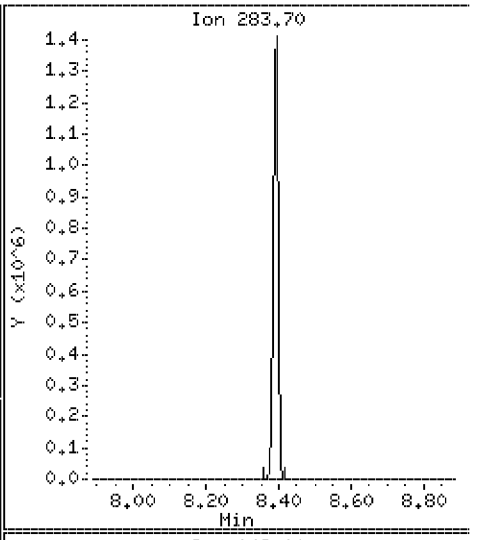
Concentration: 110 ug/l

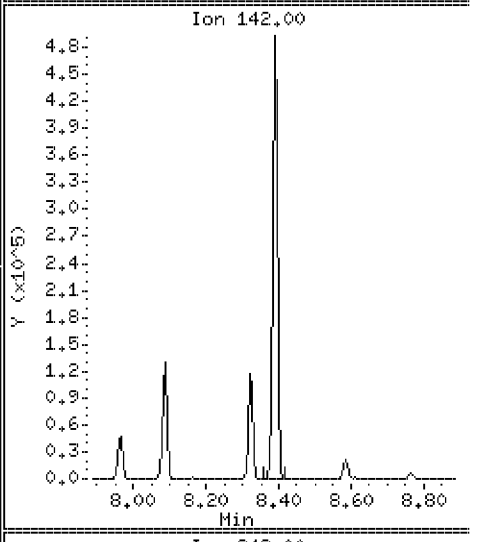


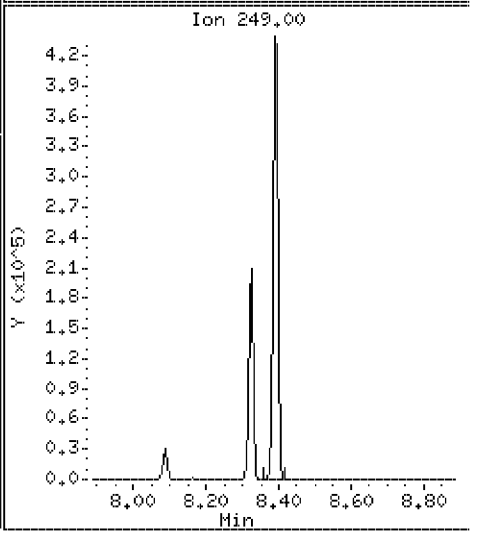












Date : 23-APR-2012 10:23

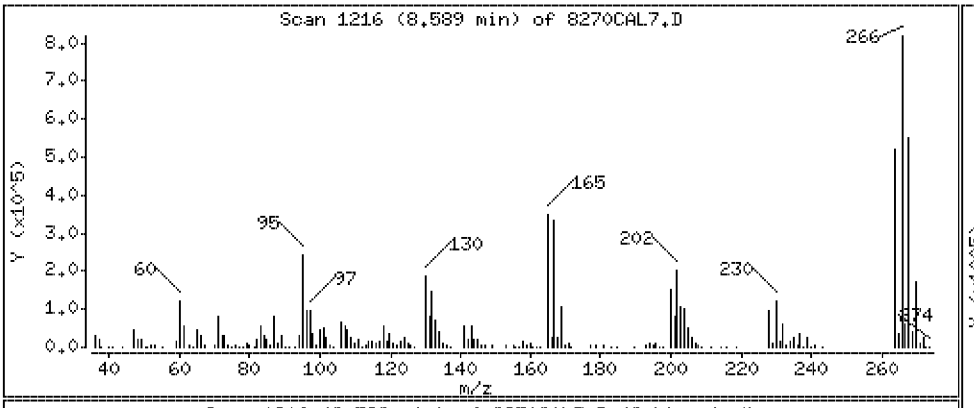
Client ID: 8270CAL7 Instrument: smsd03.i

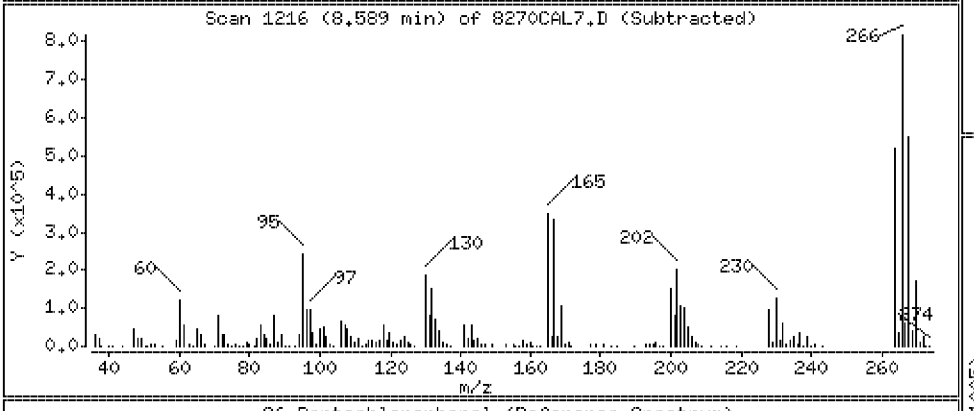
Sample Info: 45921

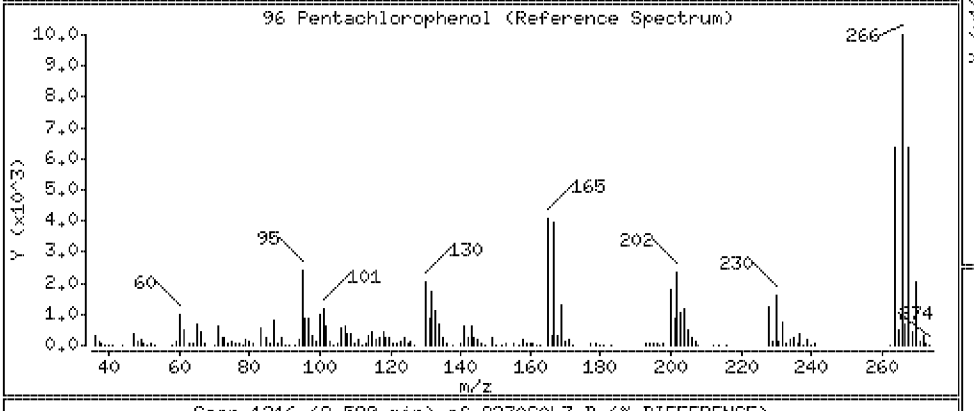
Purge Volume: 1000.0 Operator: PEL

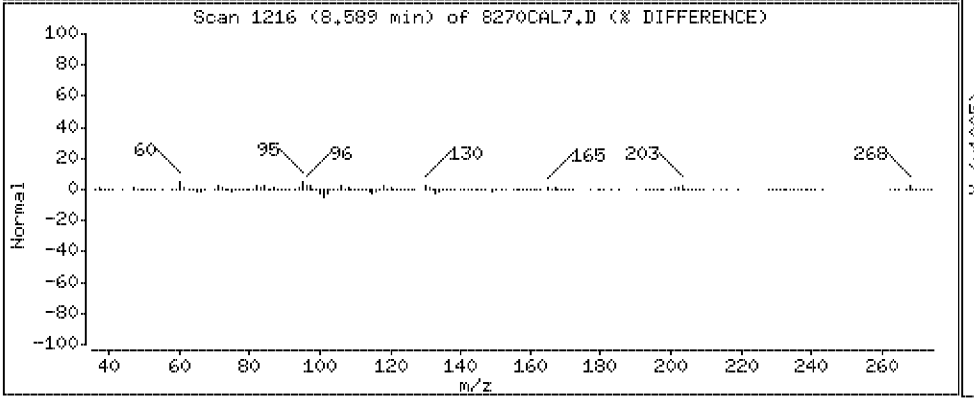
Column phase: HPMS-5 Column diameter: 0.25

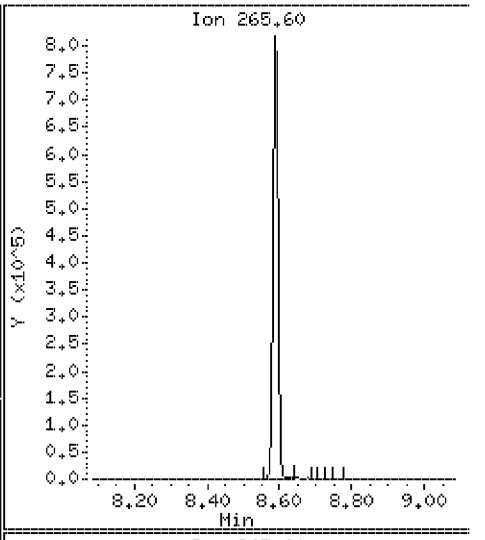
96 Pentachlorophenol Concentration: 112 ug/l

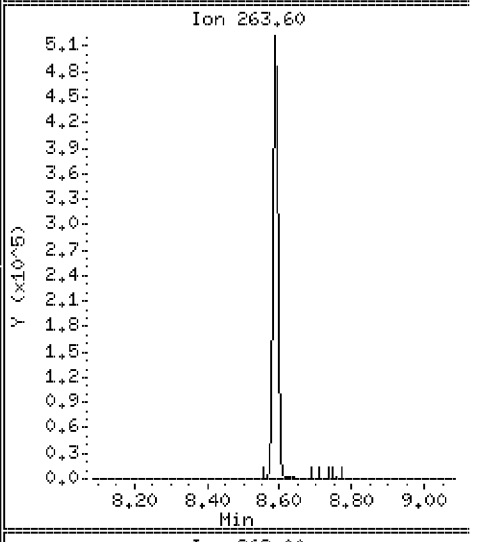


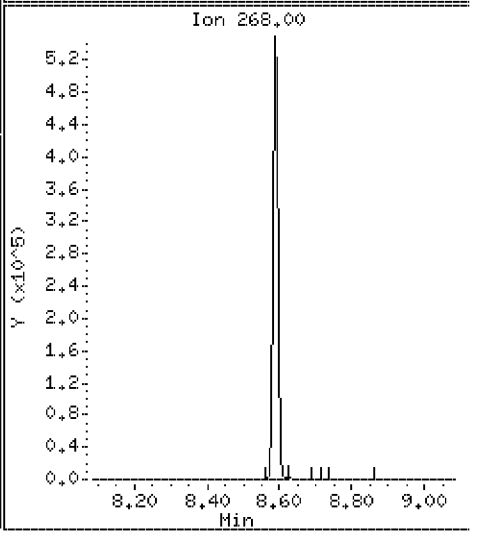












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

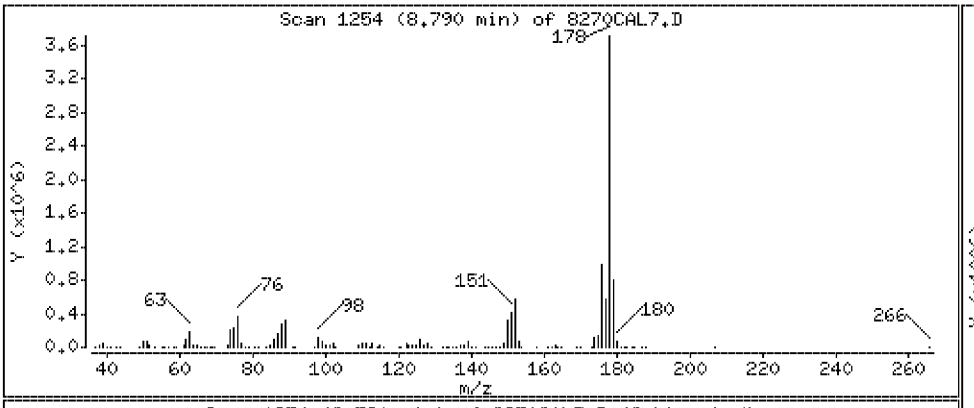
Operator: PEL

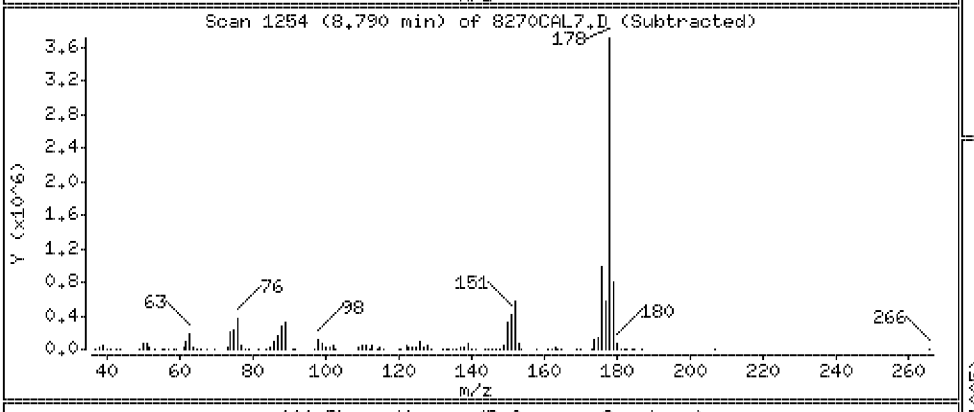
Column phase: HPMS-5

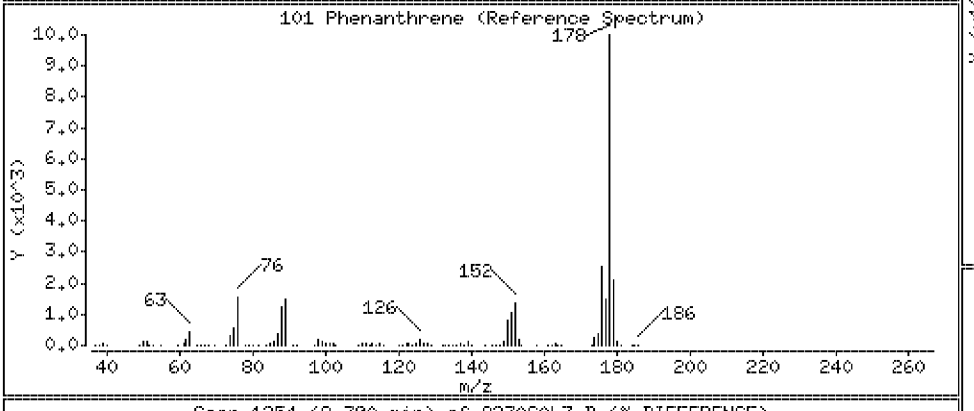
Column diameter: 0.25

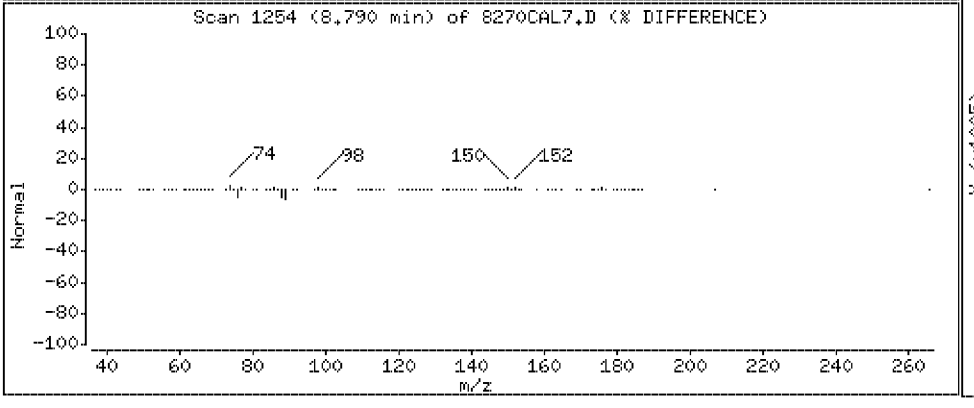
101 Phenanthrene

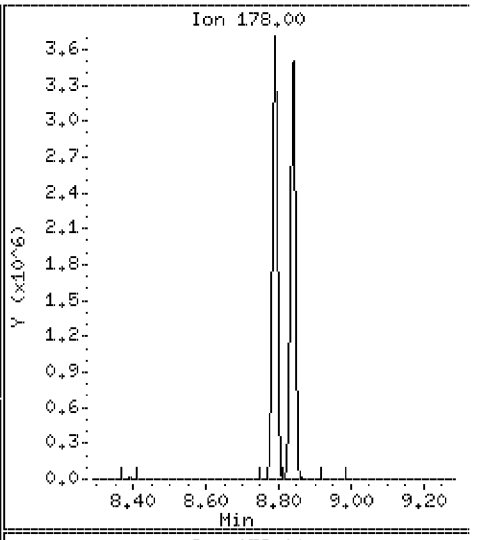
Concentration: 96.8 ug/l

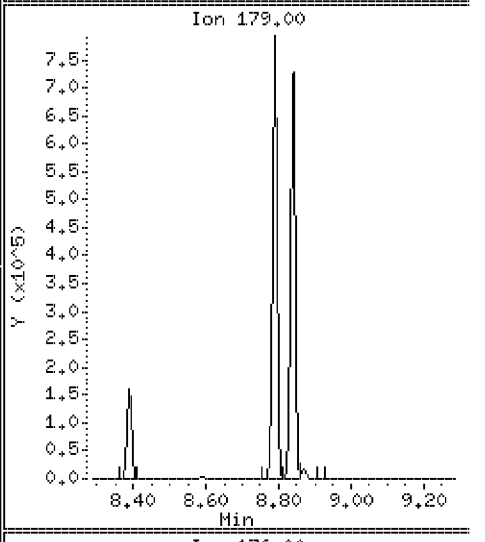


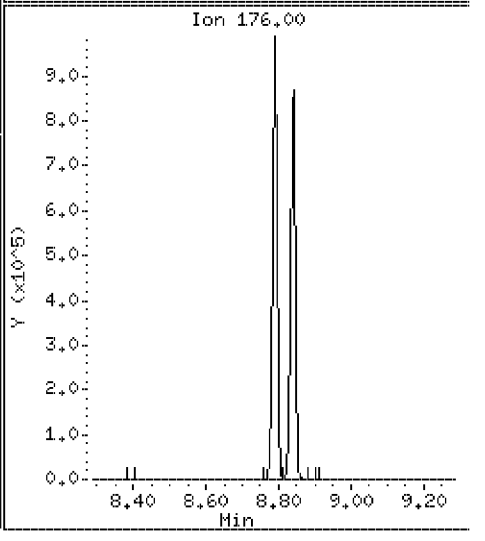












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

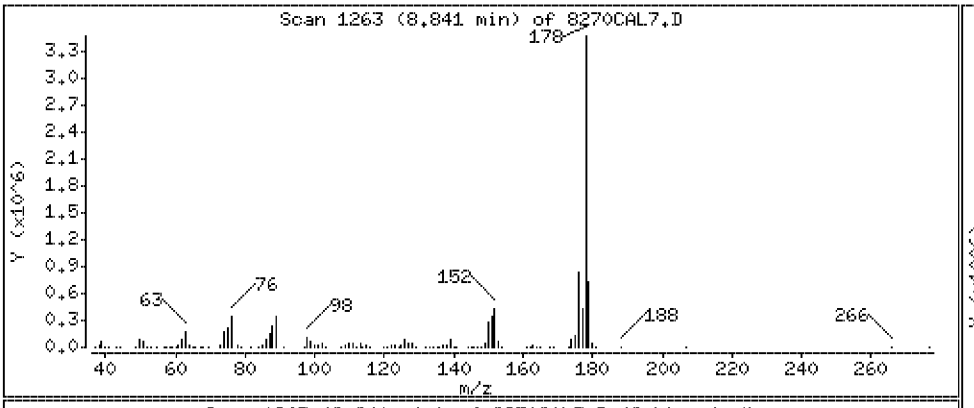
Operator: PEL

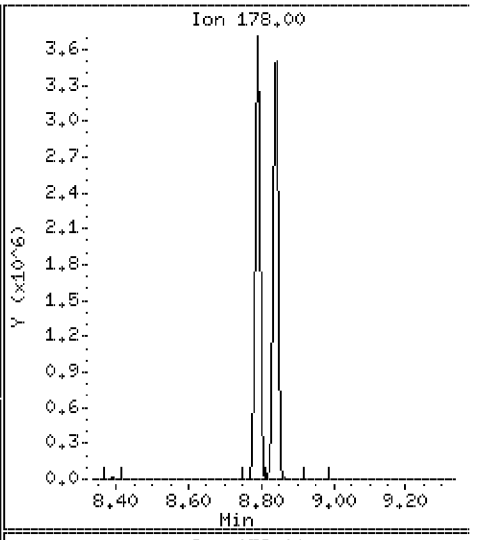
Column phase: HPMS-5

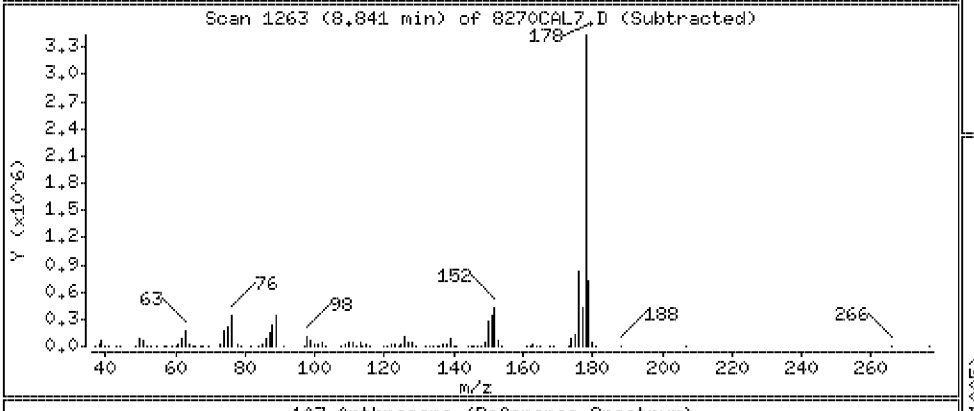
Column diameter: 0.25

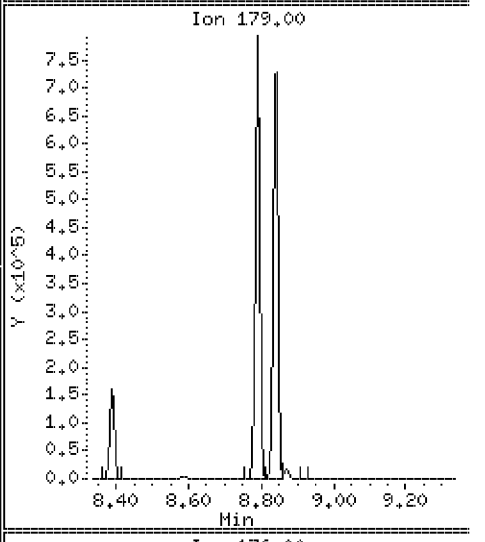
103 Anthracene

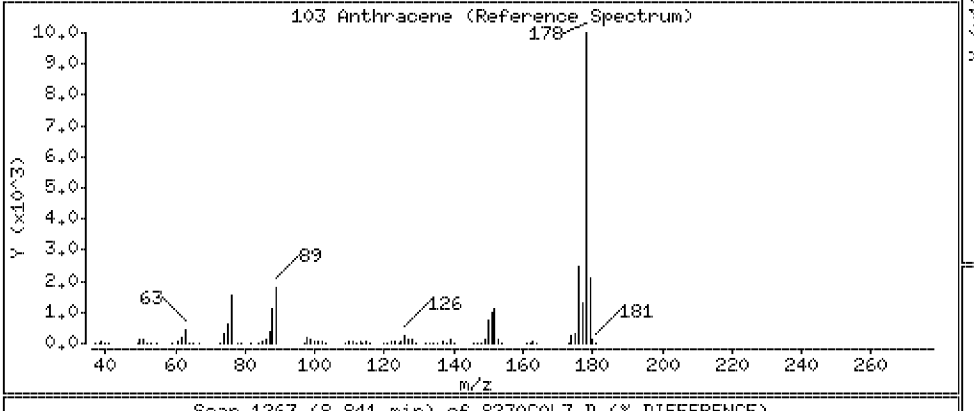
Concentration: 96.6 ug/l

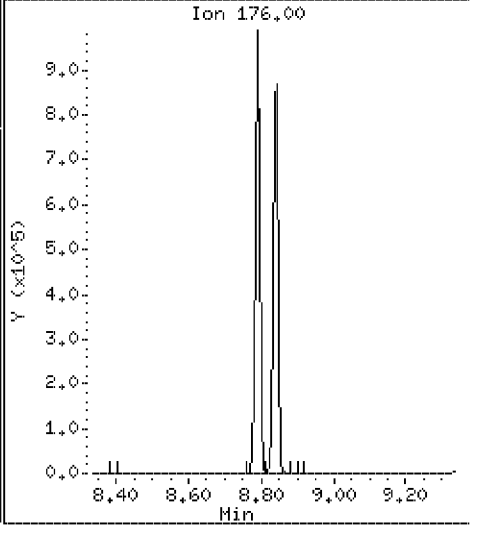


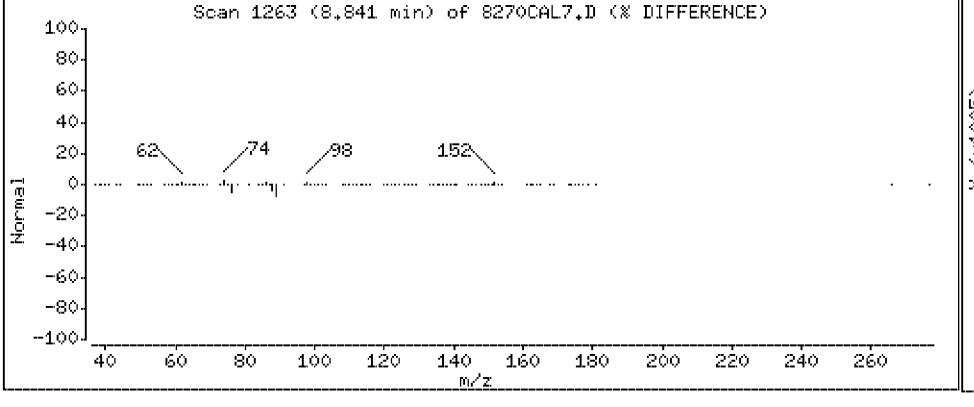












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

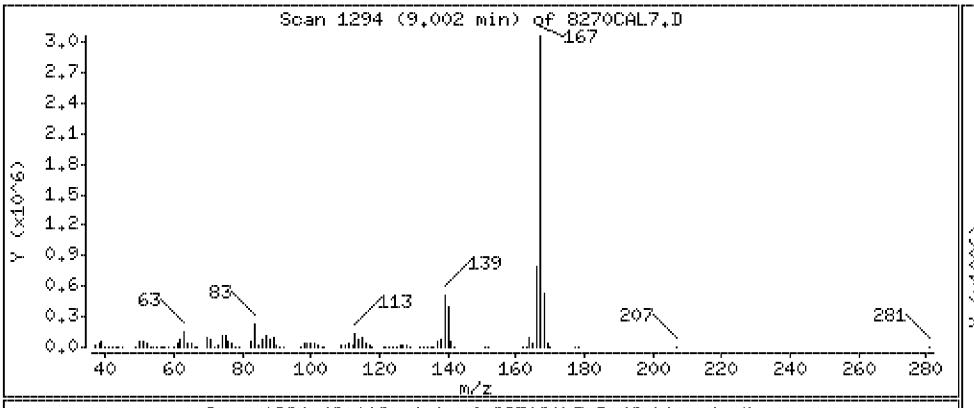
Operator: PEL

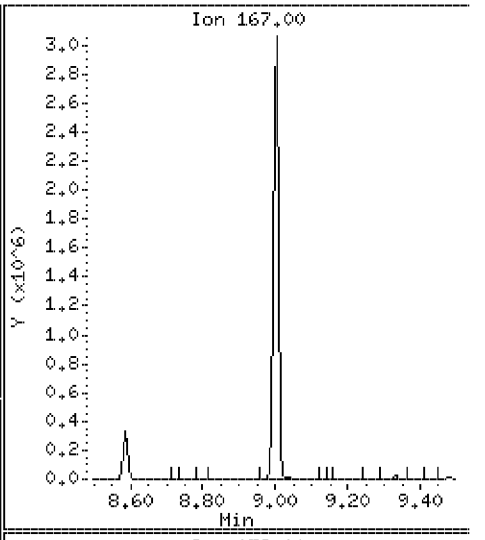
Column phase: HPMS-5

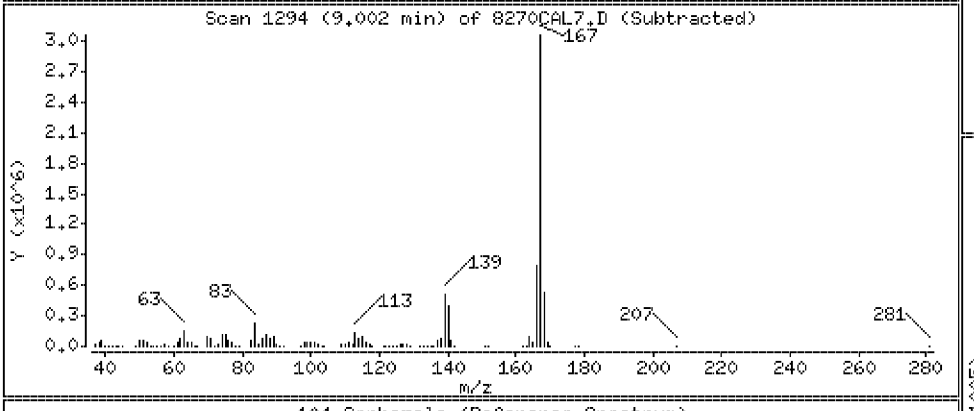
Column diameter: 0.25

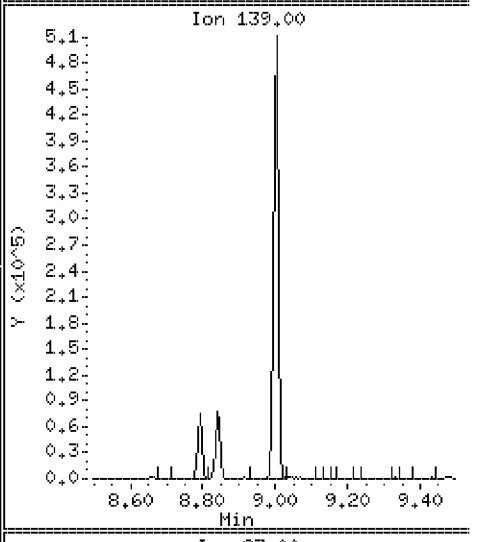
104 Carbazole

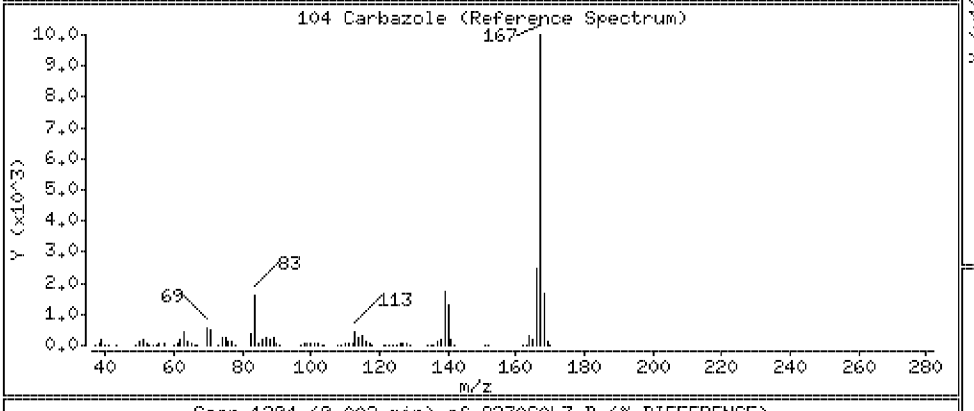
Concentration: 99.5 ug/l

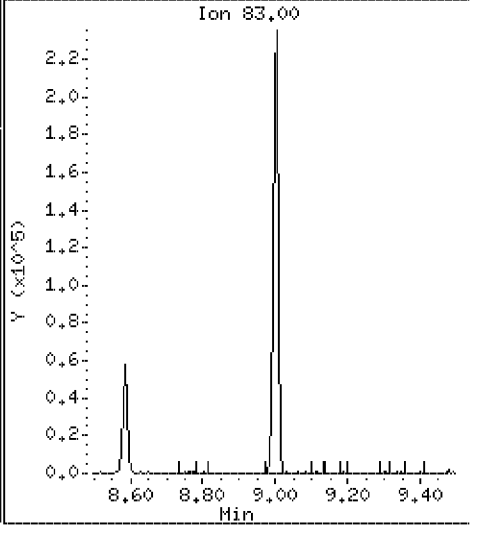


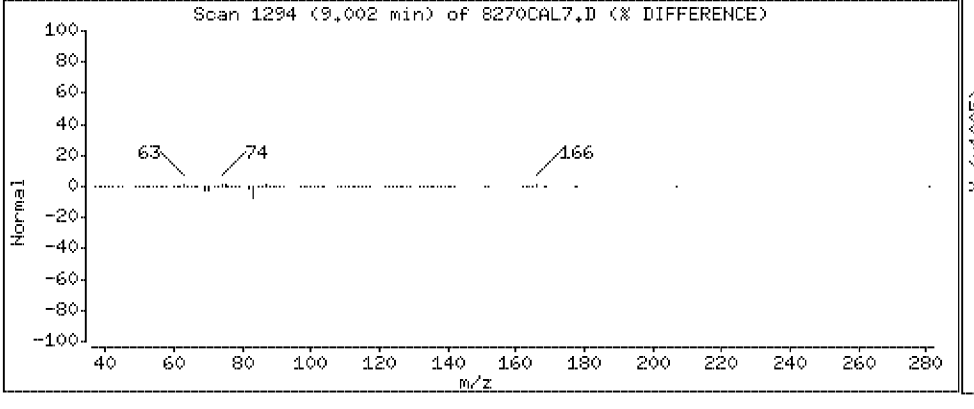












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

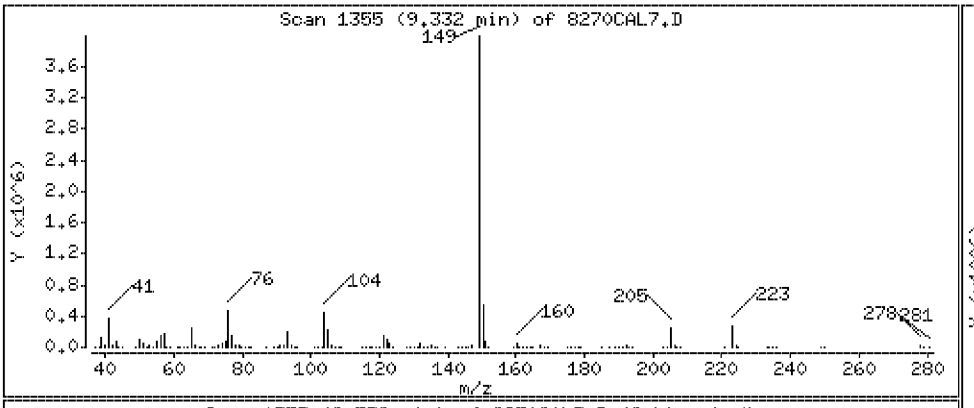
Operator: PEL

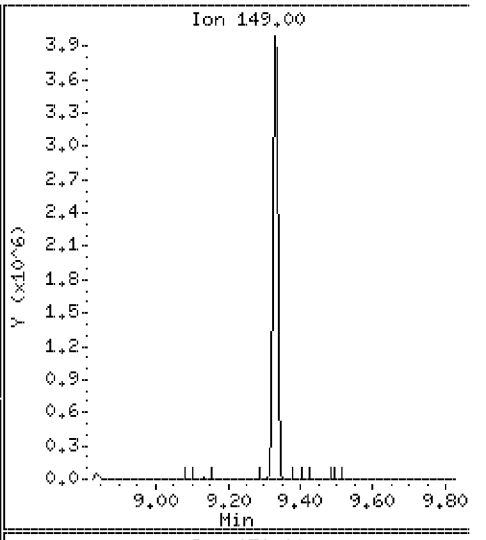
Column phase: HPMS-5

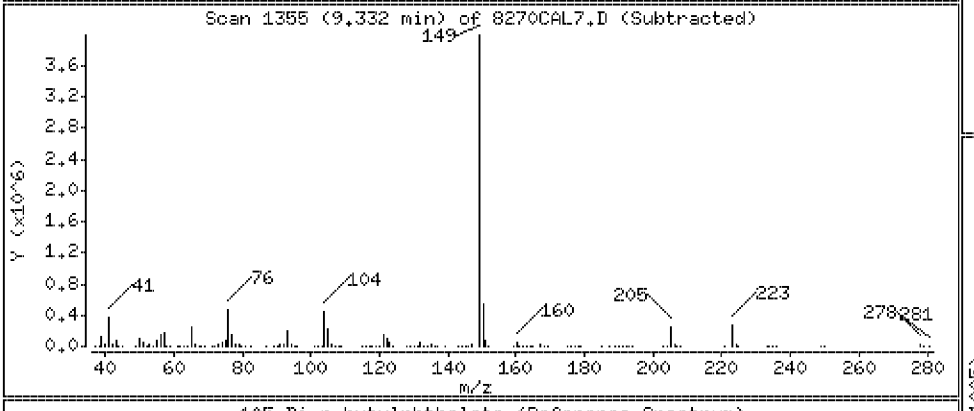
Column diameter: 0.25

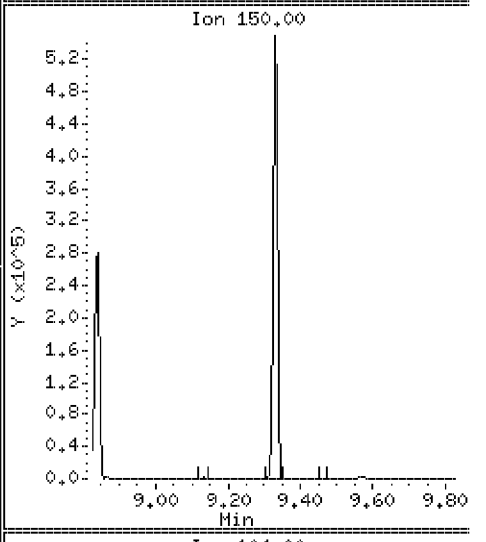
105 Di-n-butylphthalate

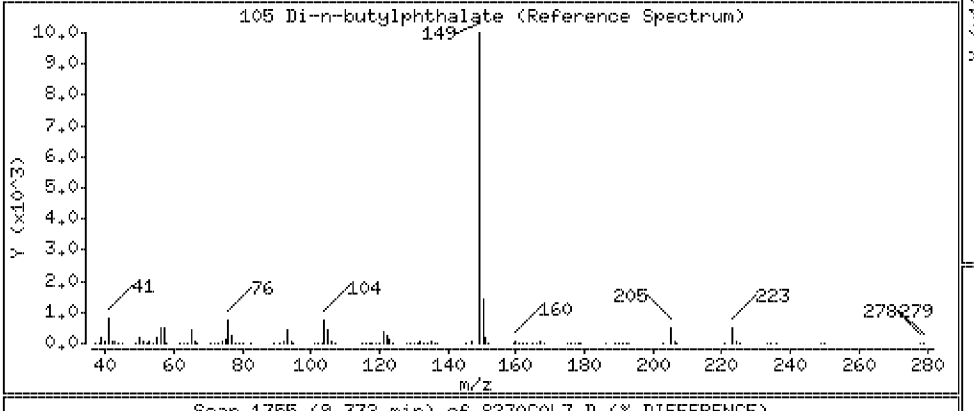
Concentration: 97.4 ug/l

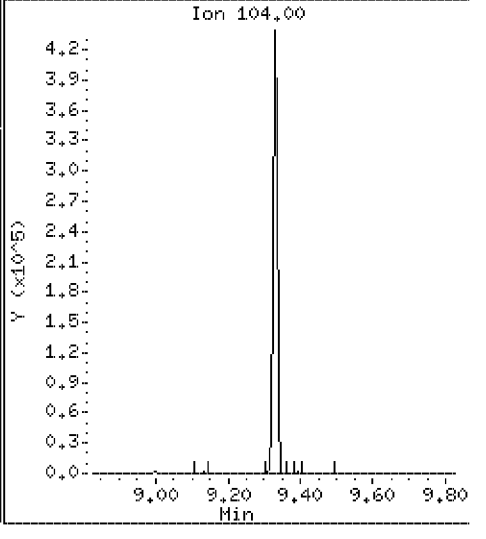


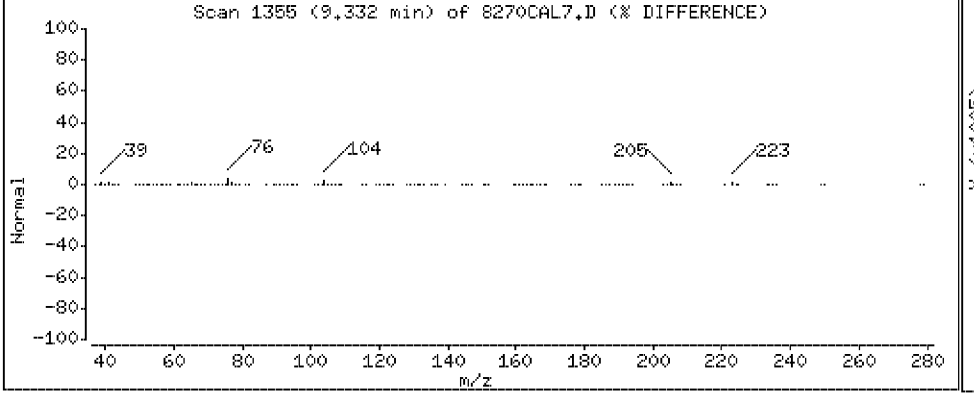












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

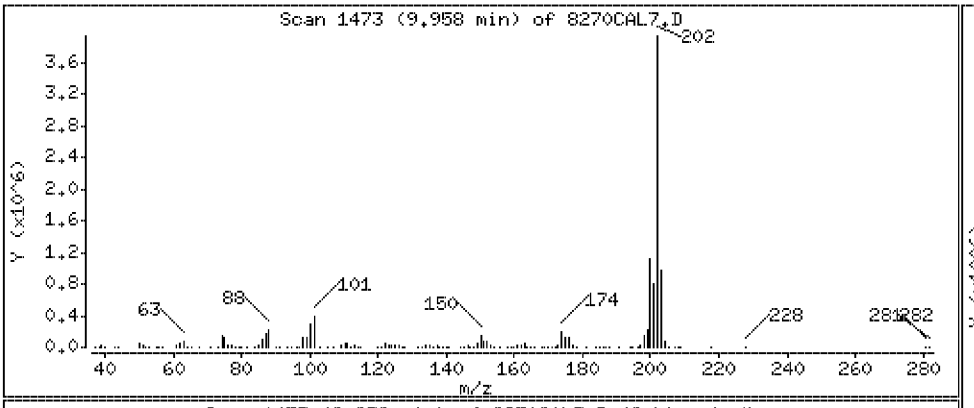
Operator: PEL

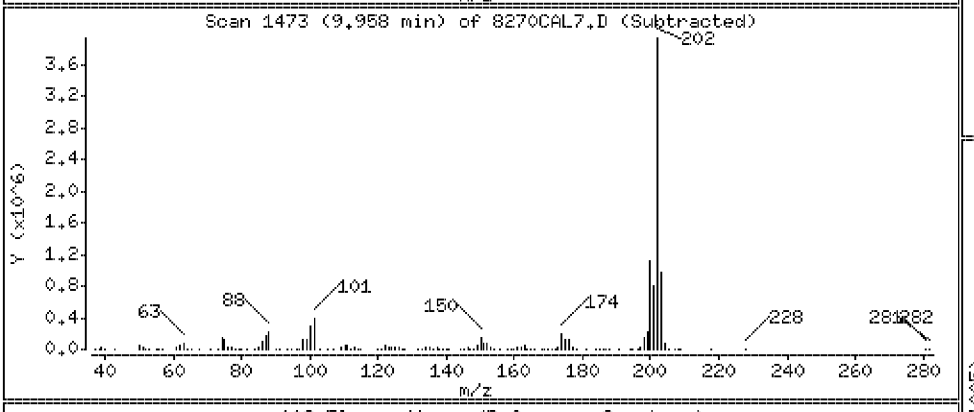
Column phase: HPMS-5

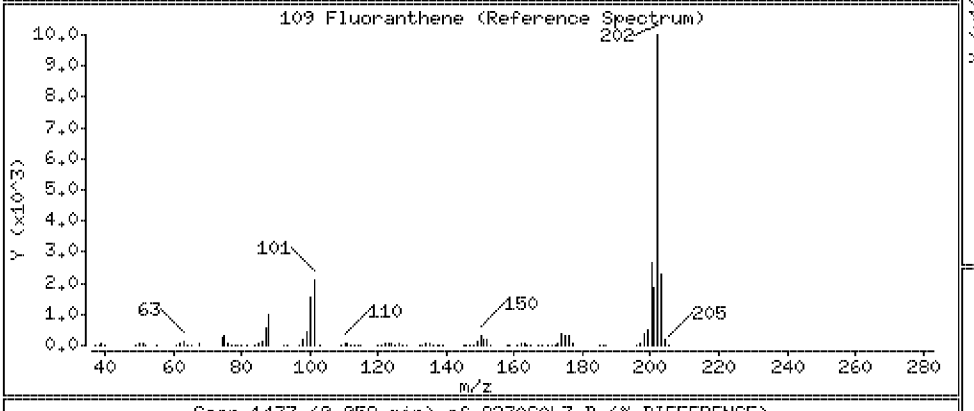
Column diameter: 0.25

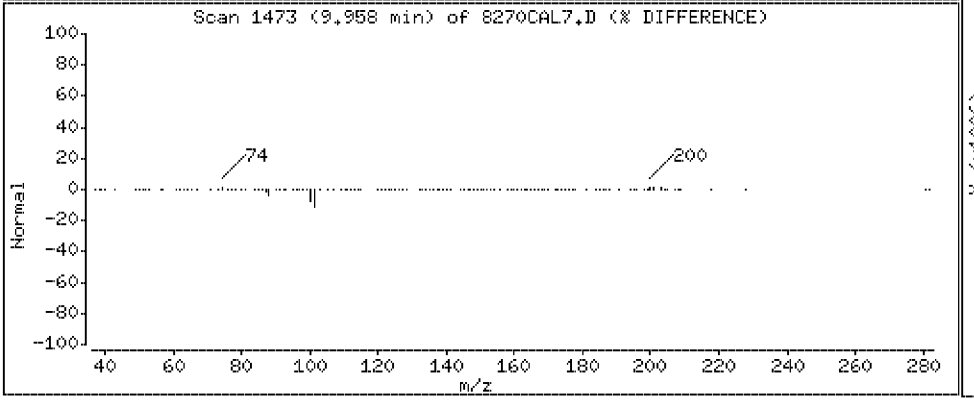
109 Fluoranthene

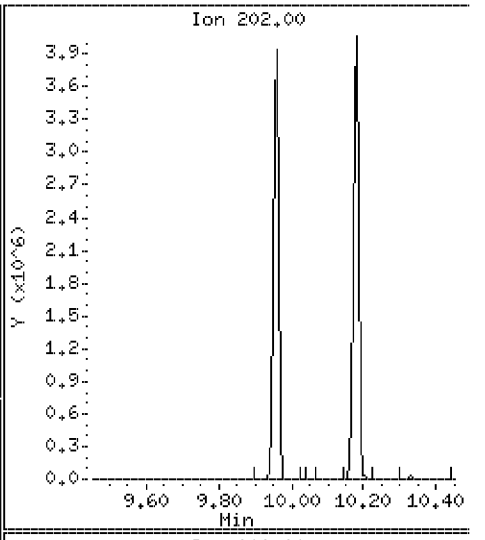
Concentration: 95.8 ug/l

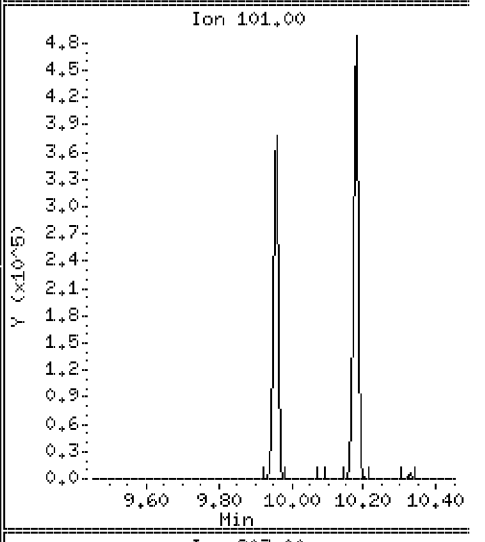


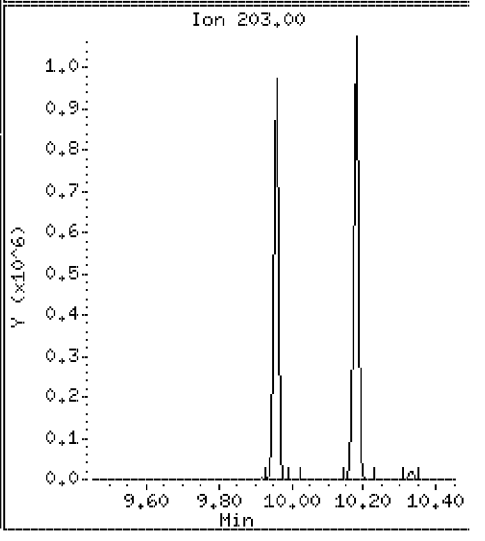












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

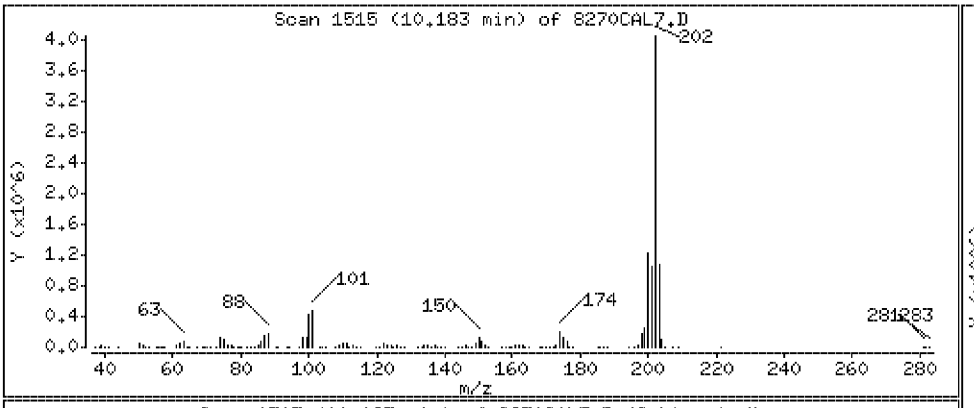
Client ID: 8270CAL7 Instrument: smsd03.i

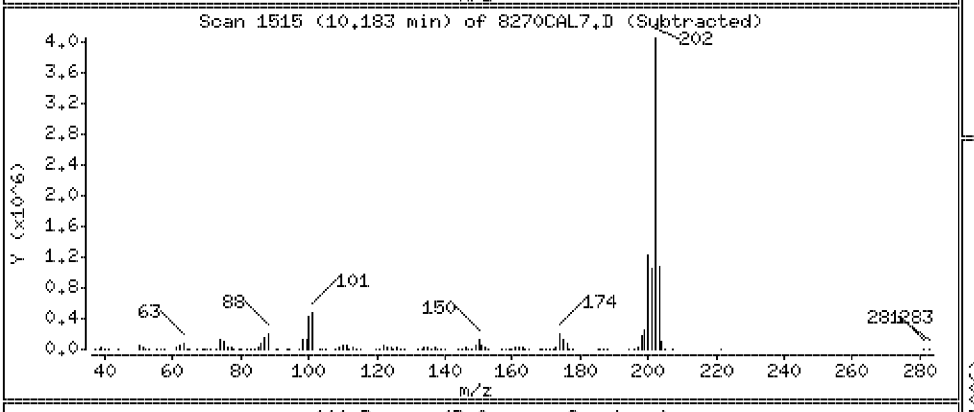
Sample Info: 45921

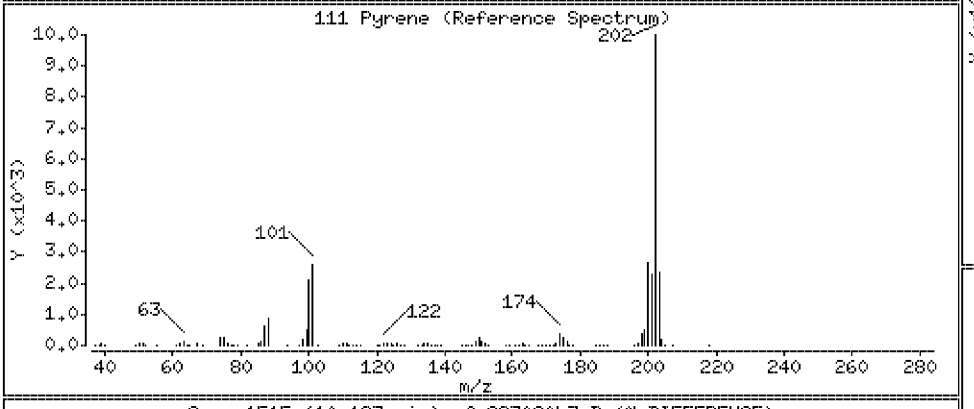
Purge Volume: 1000.0 Operator: PEL

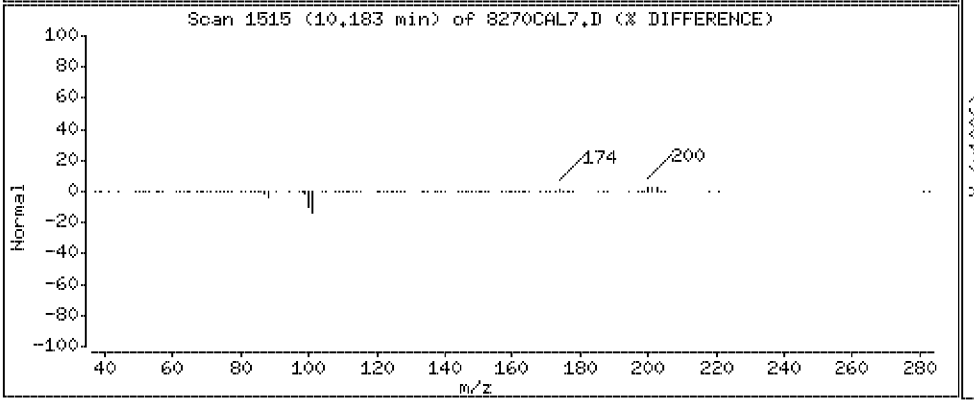
Column phase: HPMS-5 Column diameter: 0.25

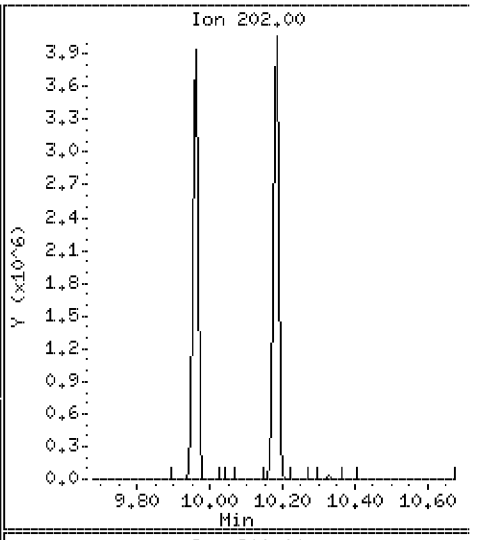
111 Pyrene Concentration: 82.1 ug/l

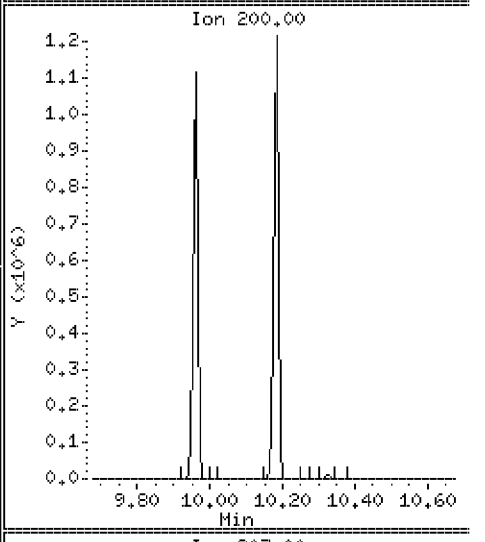


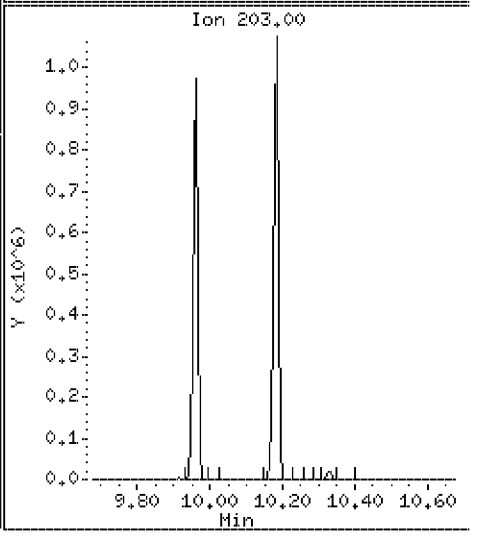












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

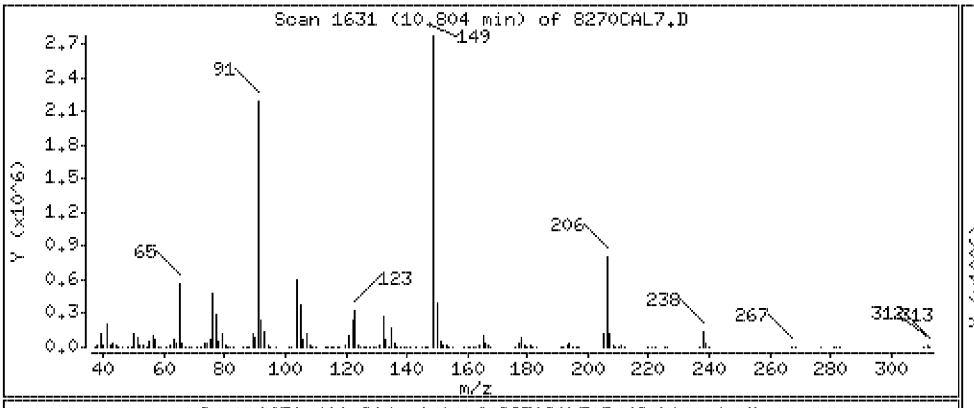
Operator: PEL

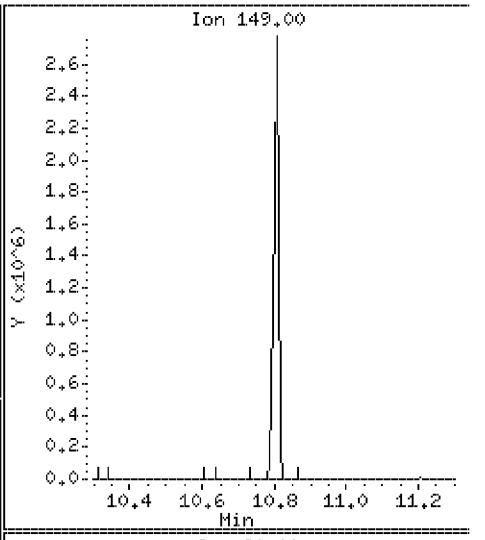
Column phase: HPMS-5

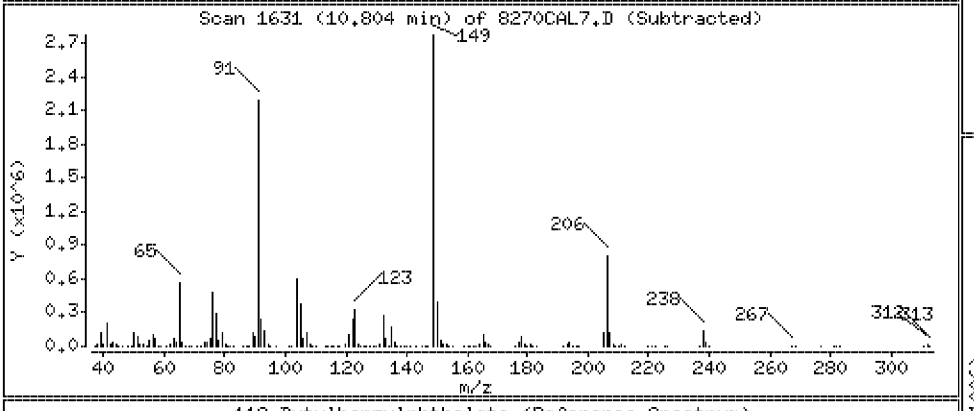
Column diameter: 0.25

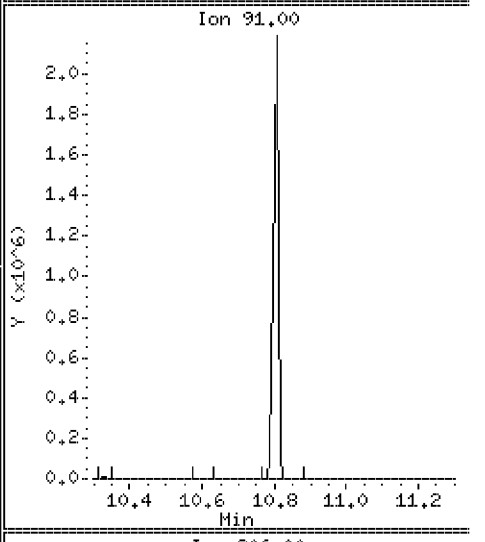
118 Butylbenzylphthalate

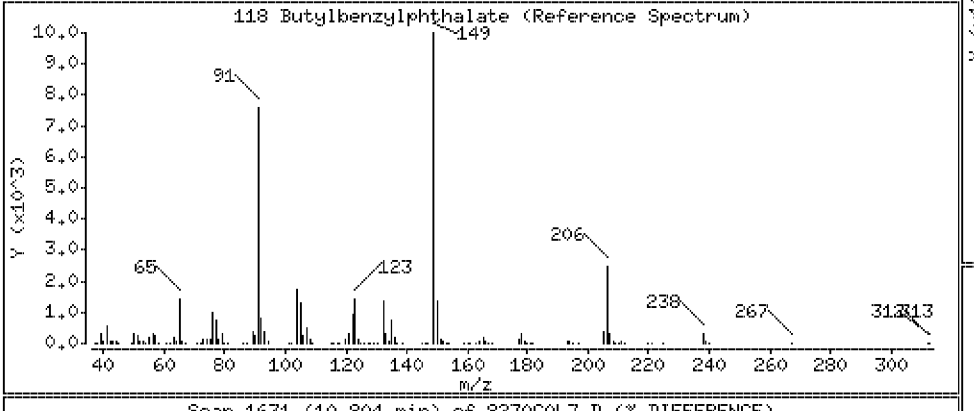
Concentration: 98.8 ug/l

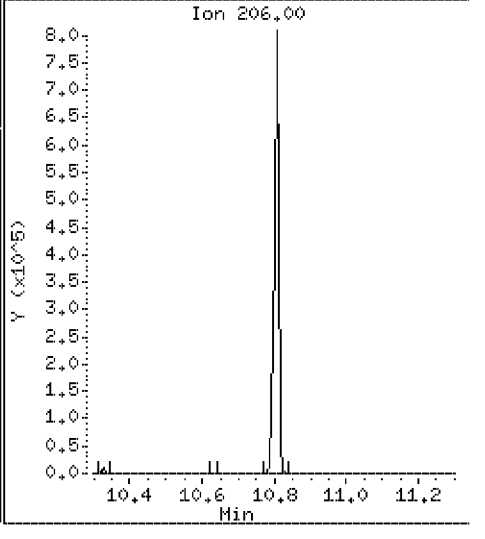


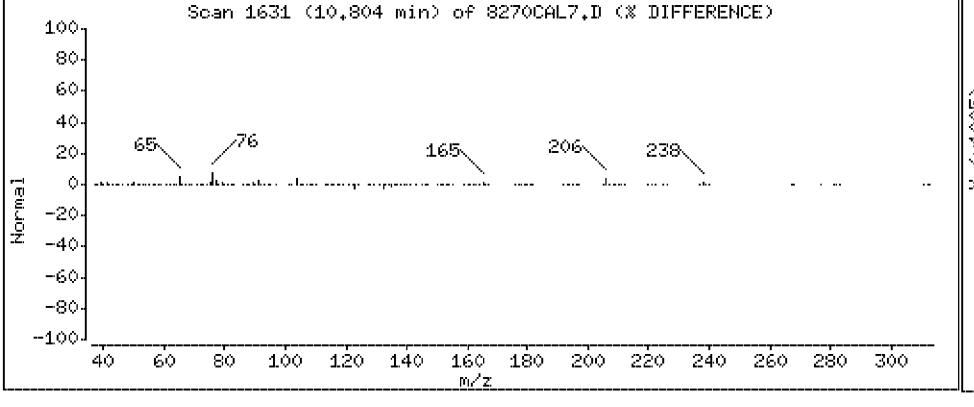












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

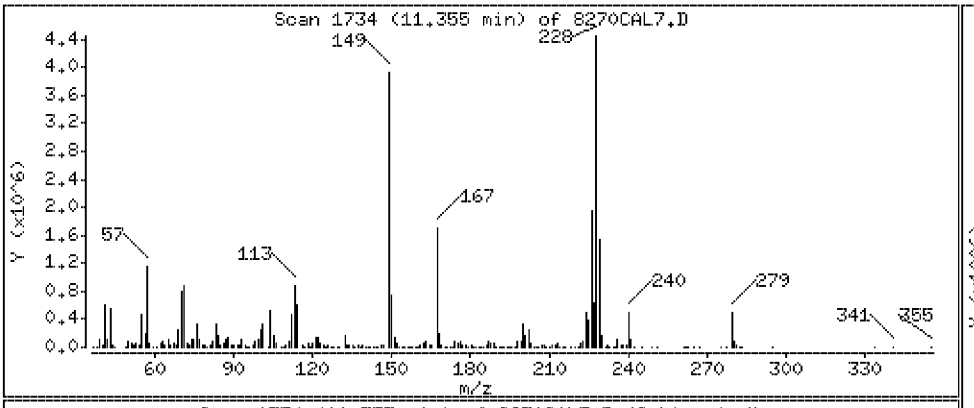
Operator: PEL

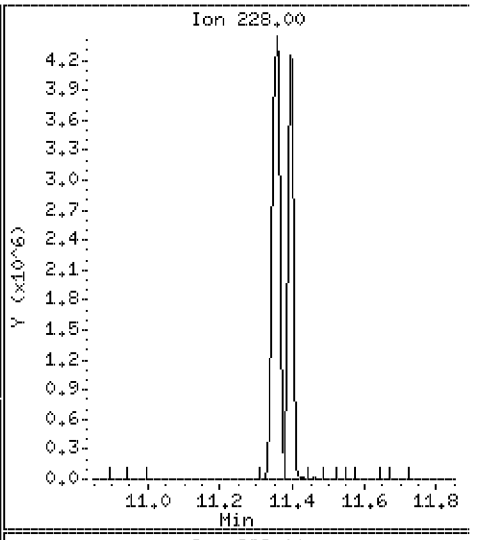
Column phase: HPMS-5

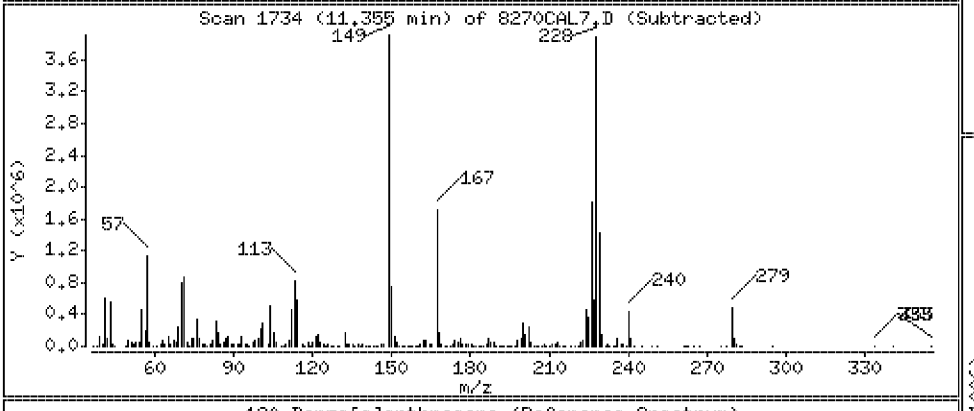
Column diameter: 0.25

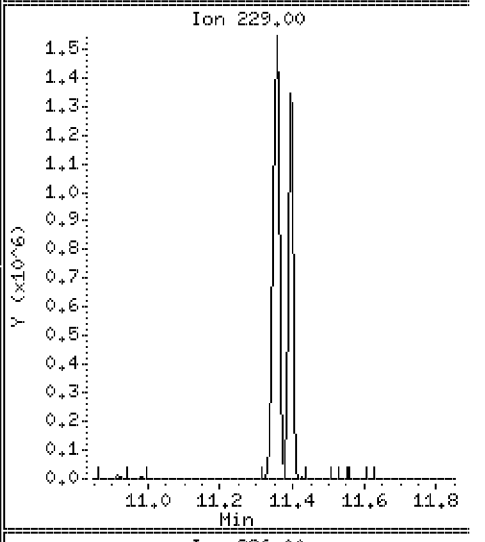
120 Benzo[a]anthracene

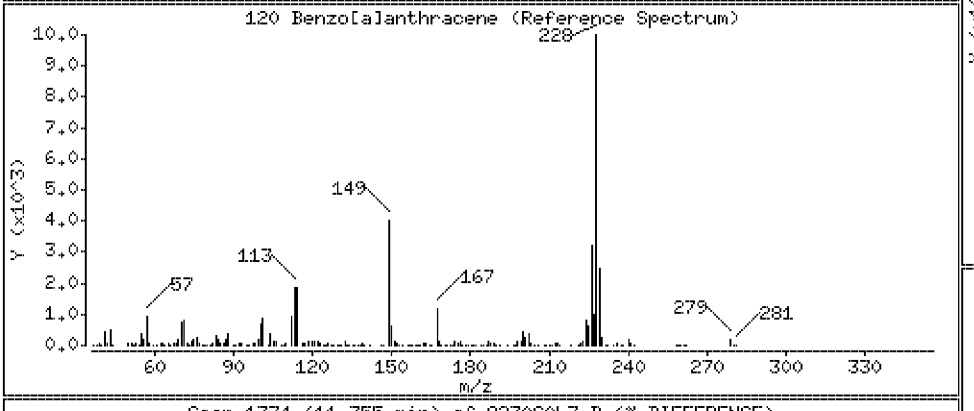
Concentration: 84.4 ug/l

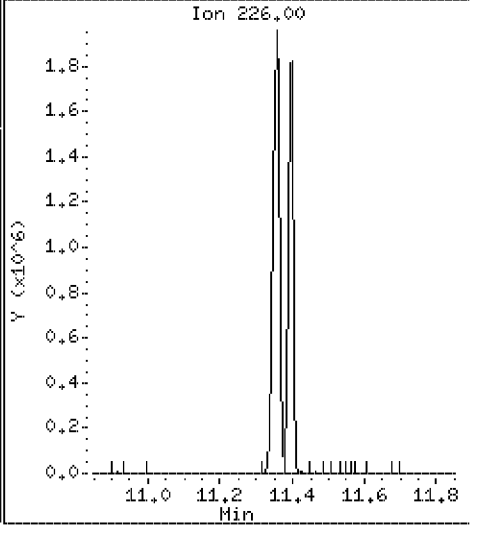


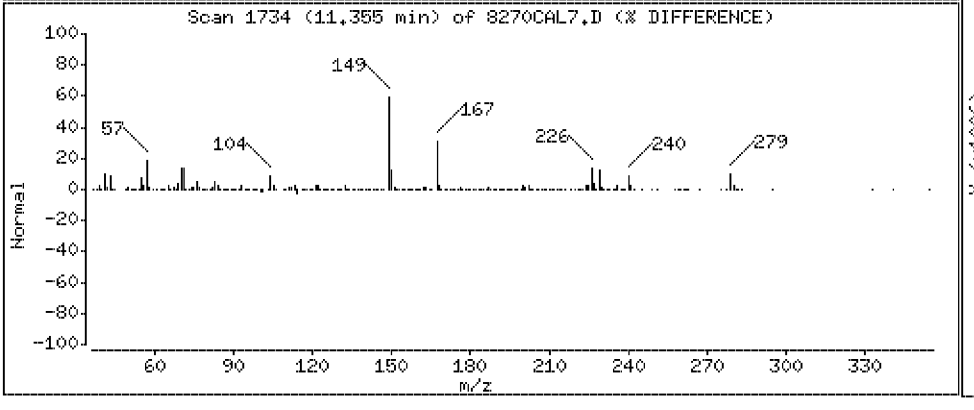












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

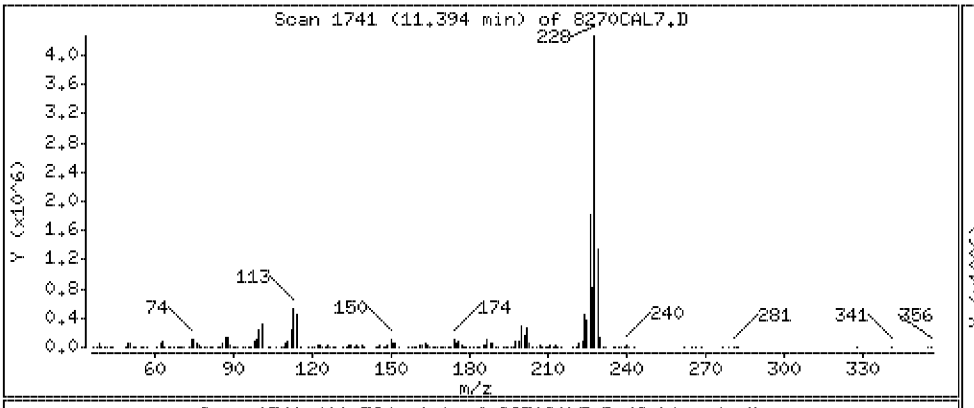
Operator: PEL

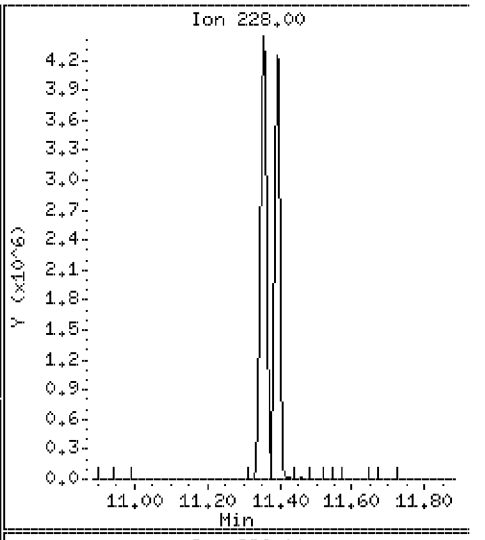
Column phase: HPMS-5

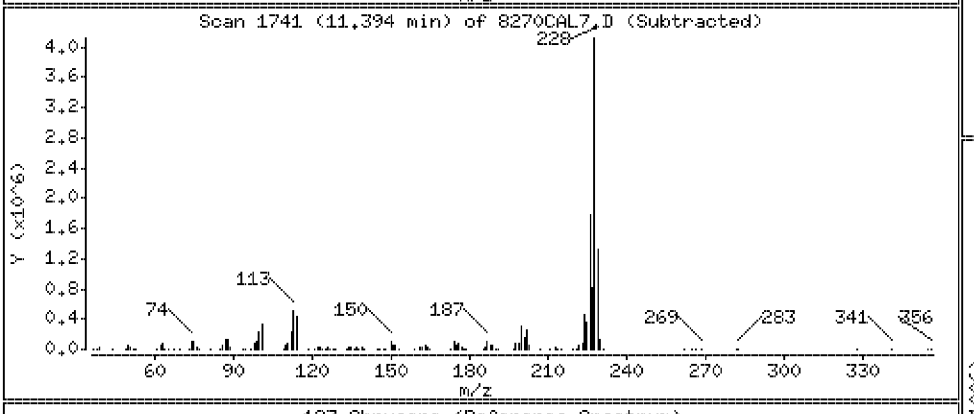
Column diameter: 0.25

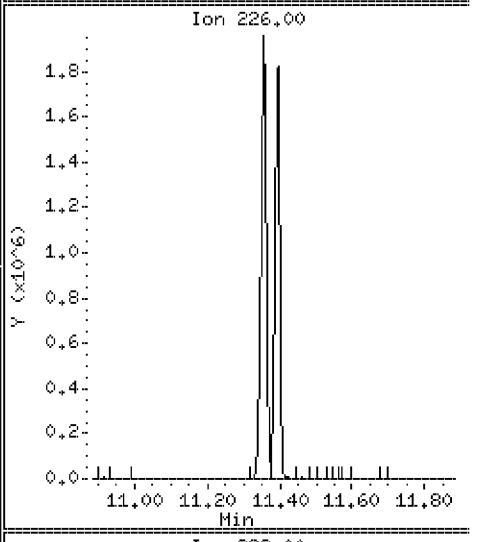
123 Chrysene

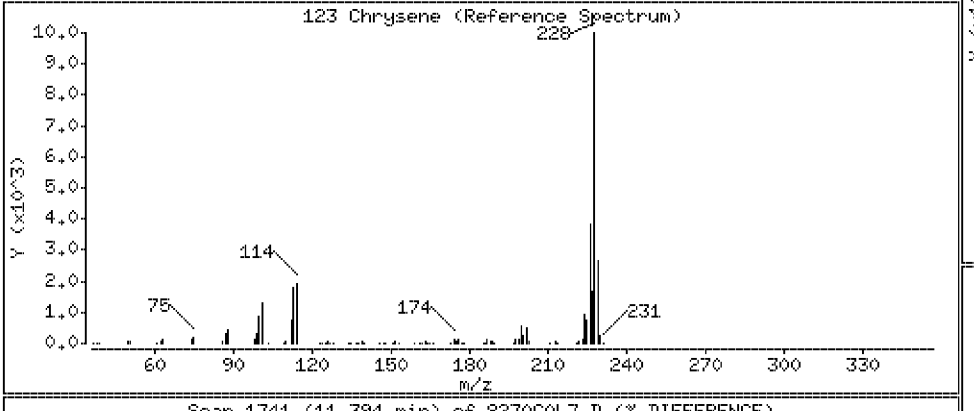
Concentration: 80.1 ug/l

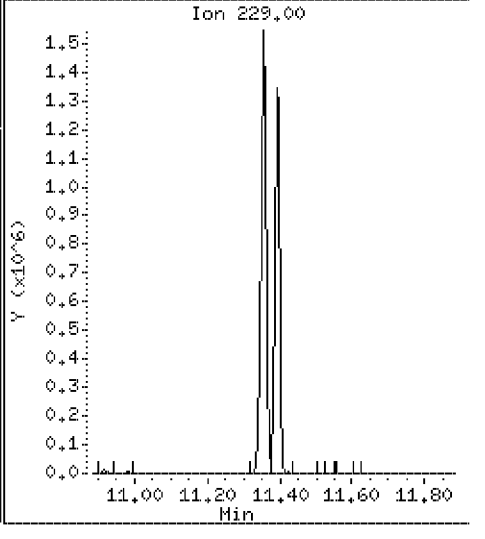


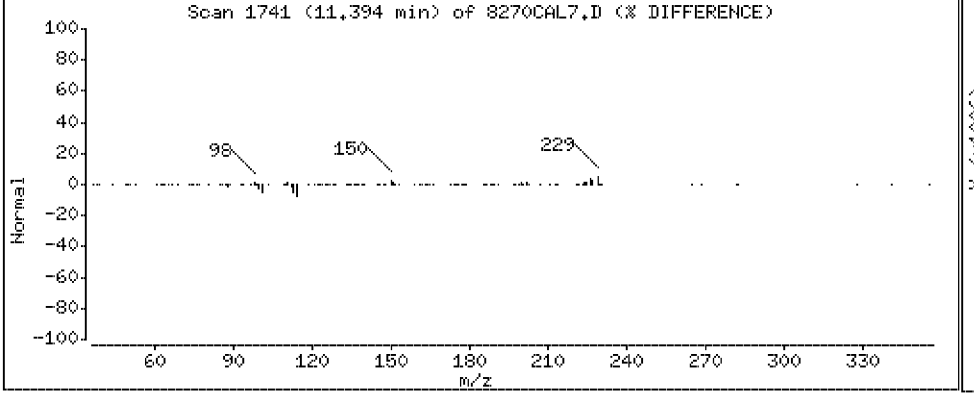












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

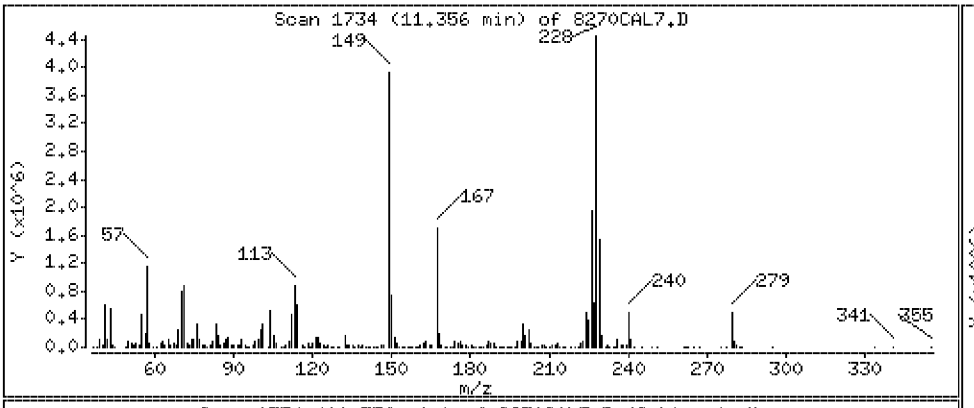
Operator: PEL

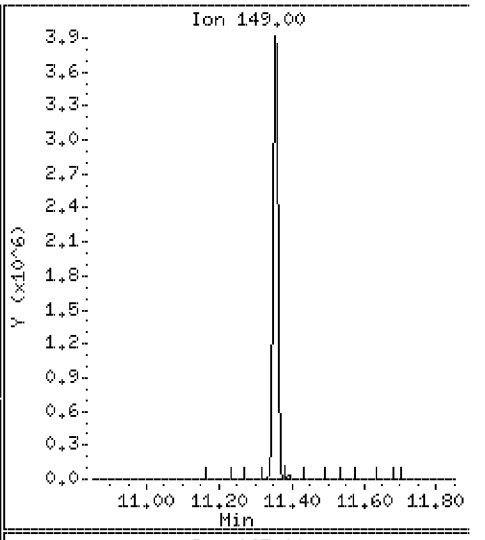
Column phase: HPMS-5

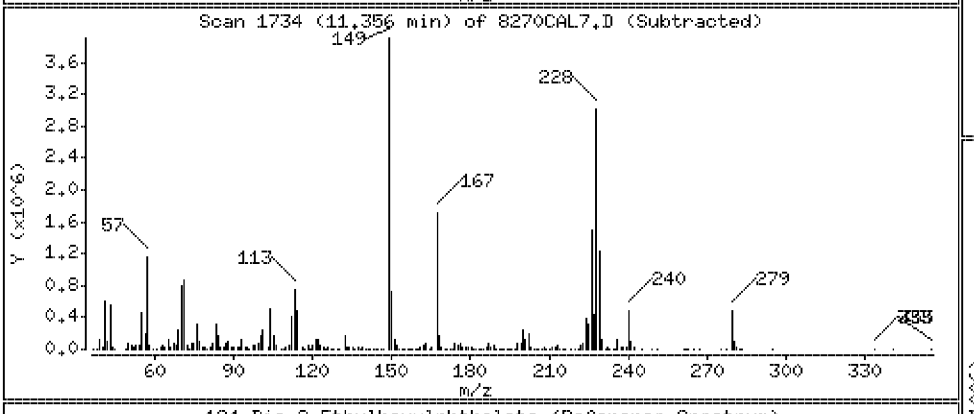
Column diameter: 0.25

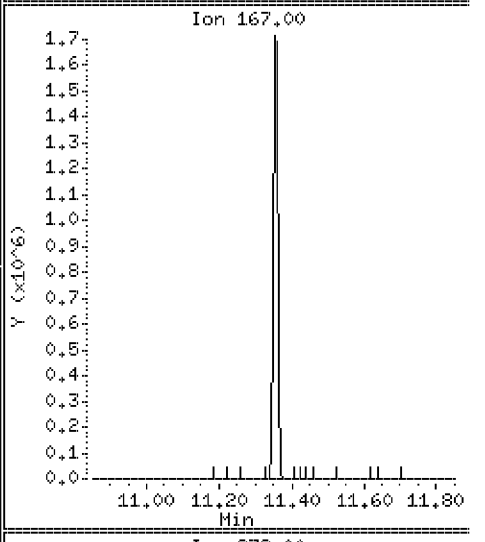
124 Bis-2-Ethylhexylphthalate

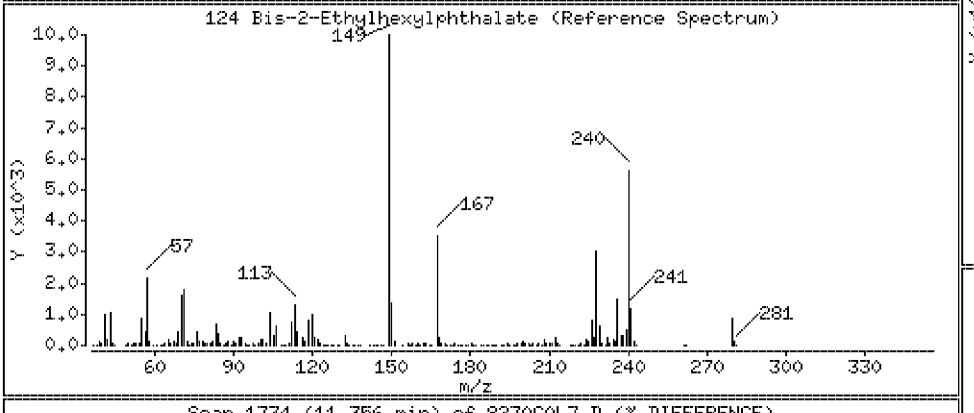
Concentration: 94.0 ug/l

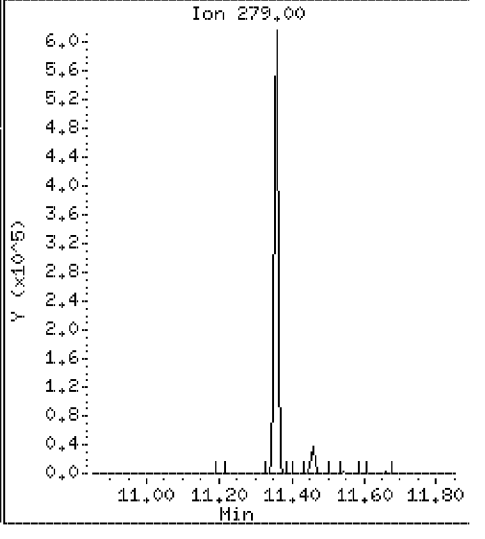


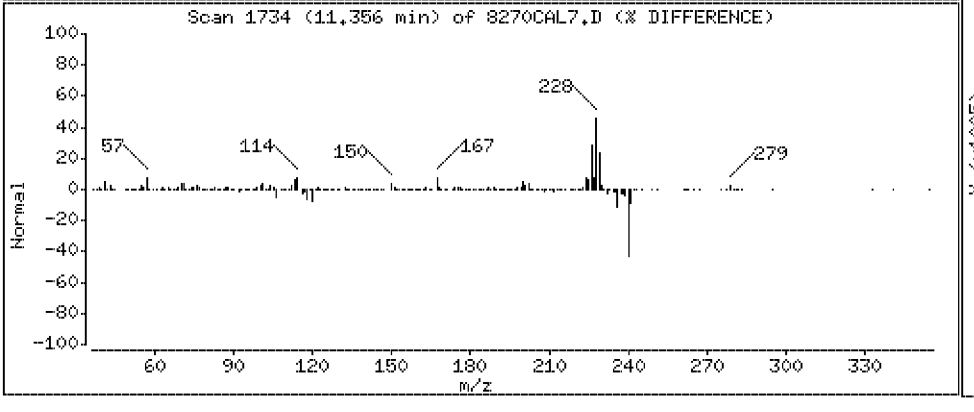












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

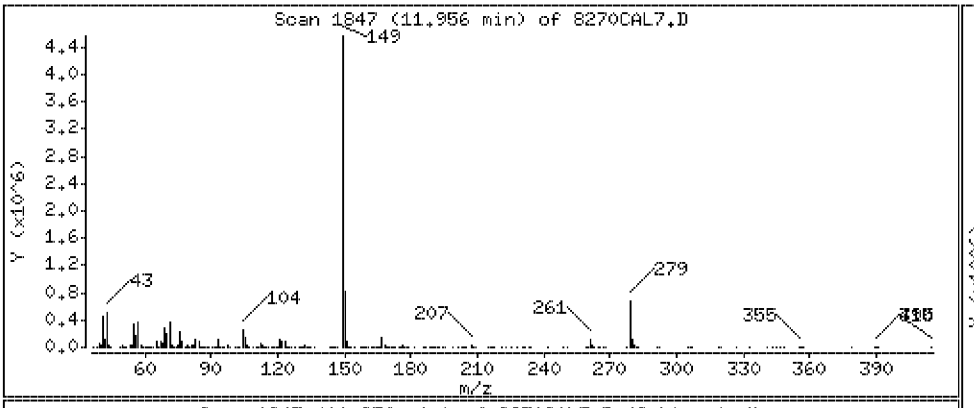
Operator: PEL

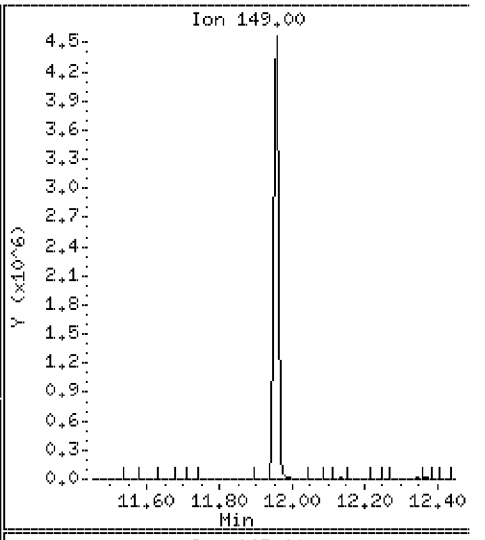
Column phase: HPMS-5

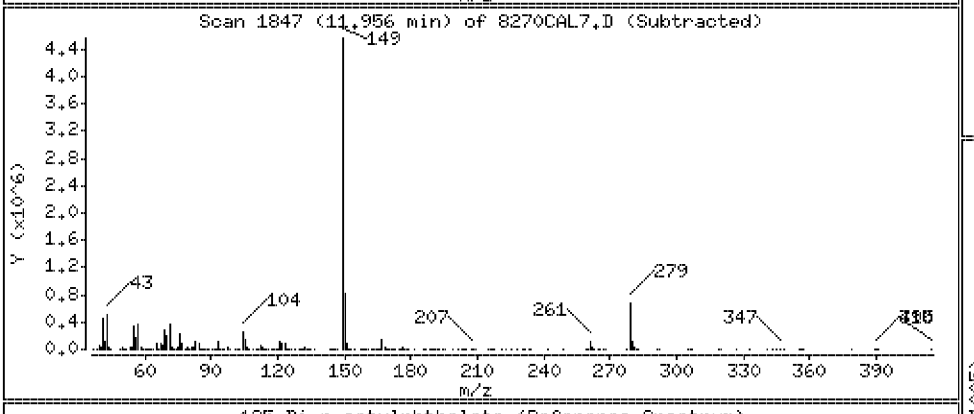
Column diameter: 0.25

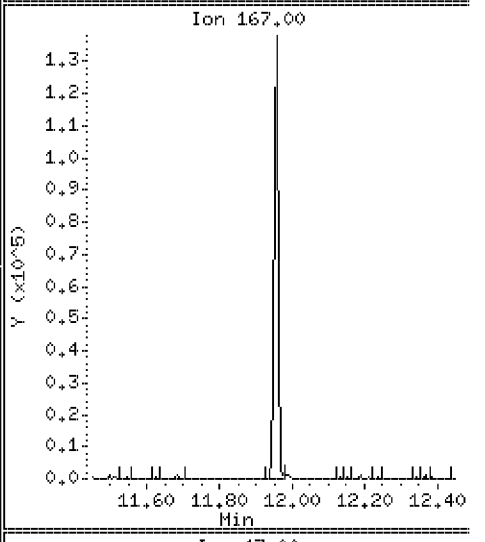
125 Di-n-octylphthalate

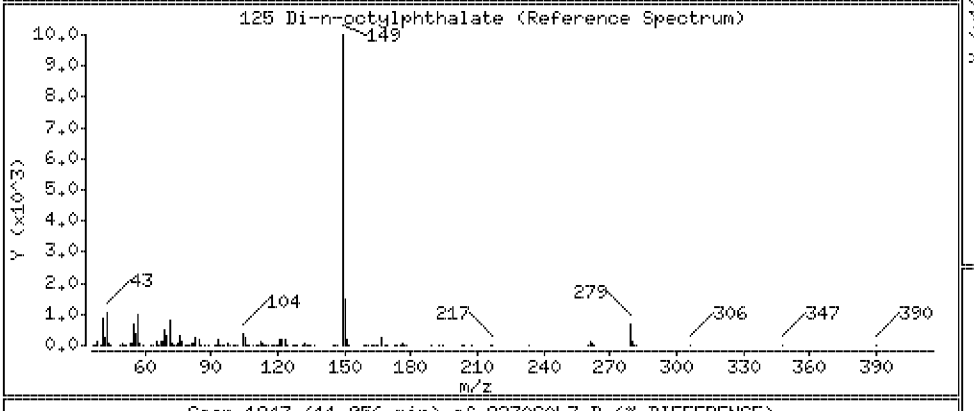
Concentration: 95.9 ug/l

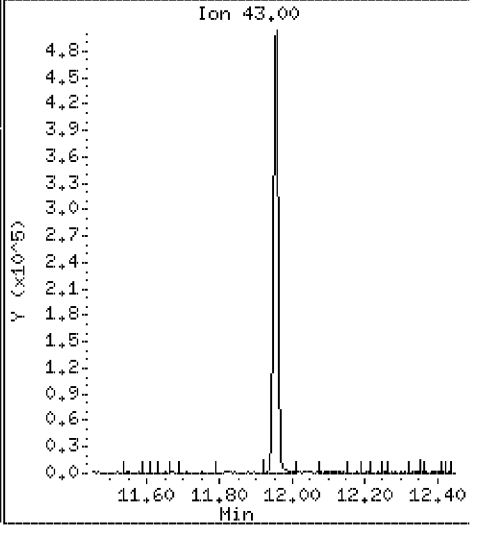


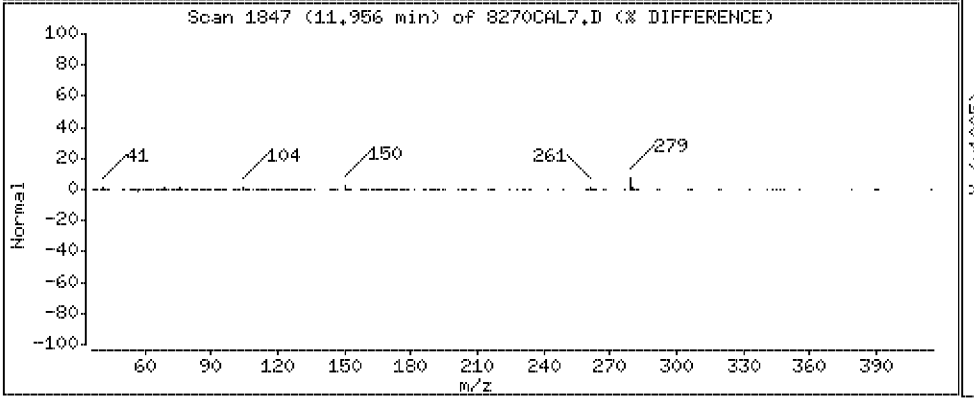












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

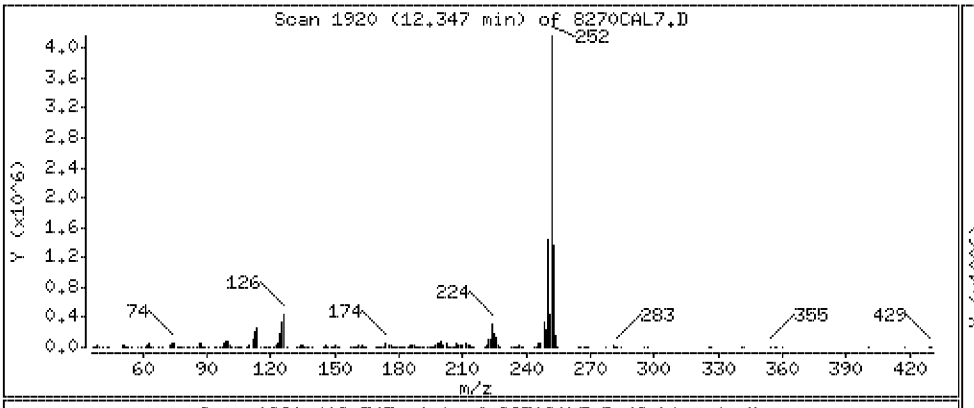
Operator: PEL

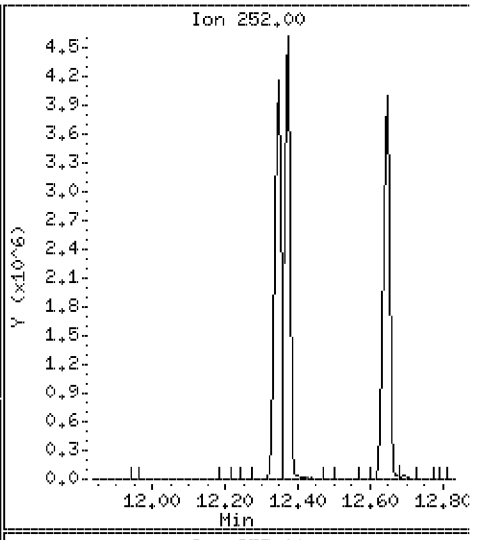
Column phase: HPMS-5

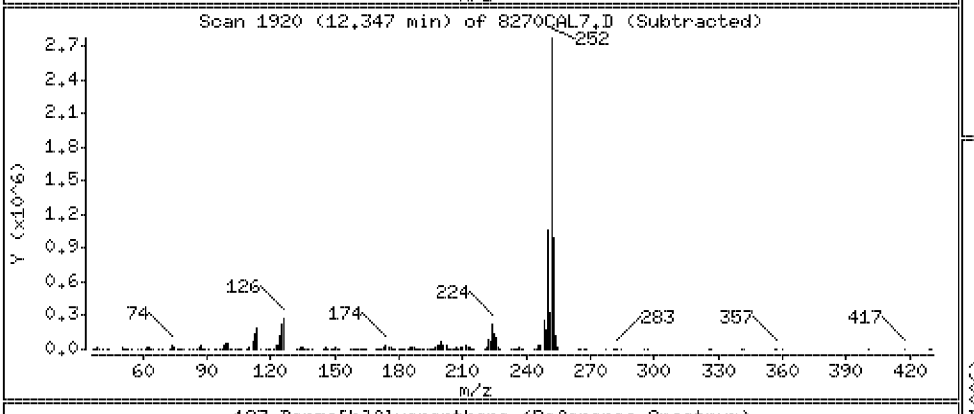
Column diameter: 0.25

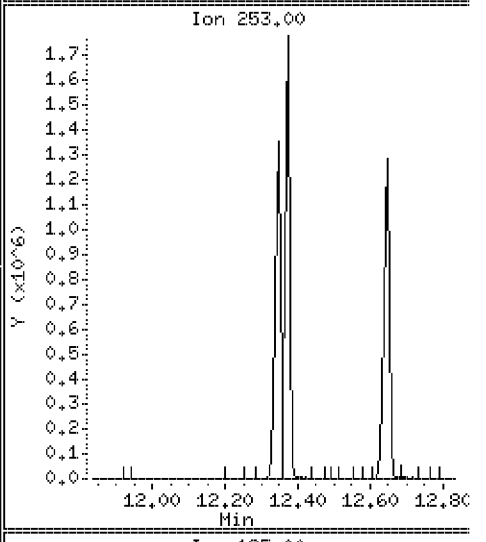
127 Benzo[b]fluoranthene

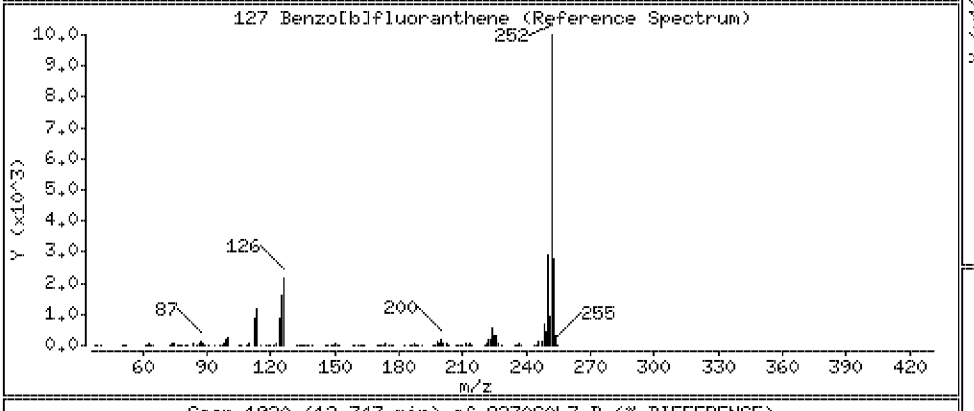
Concentration: 96.6 ug/l

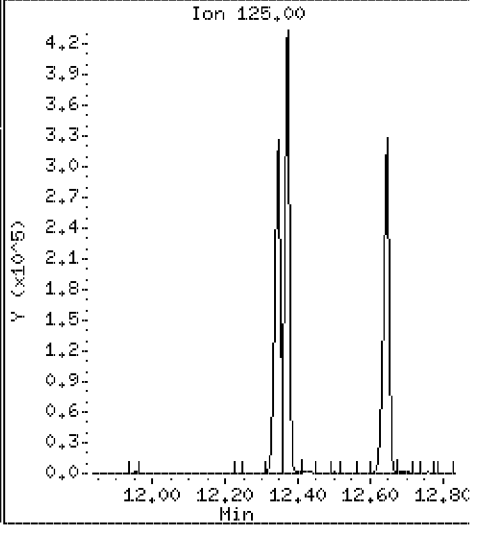


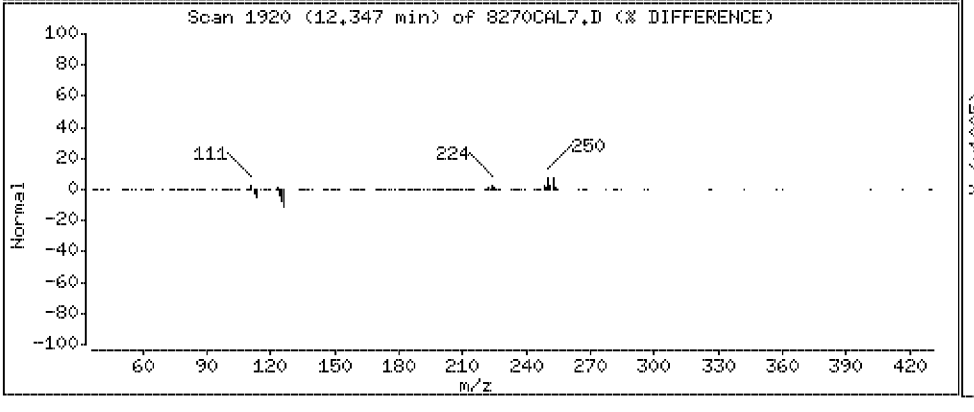












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

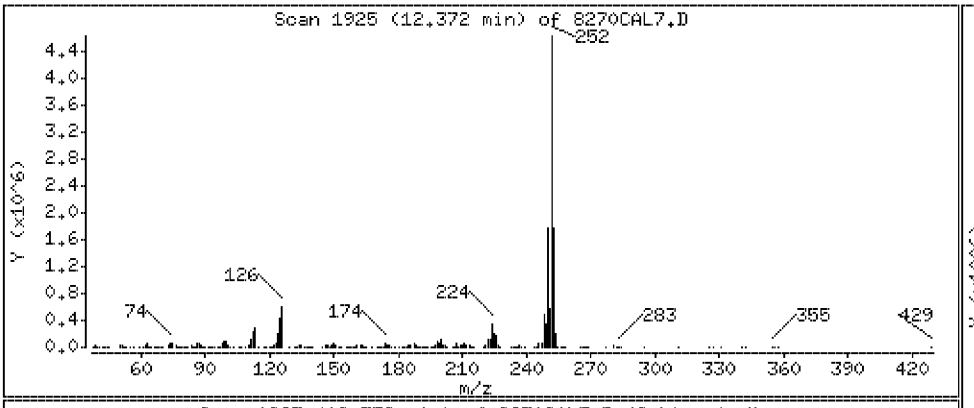
Operator: PEL

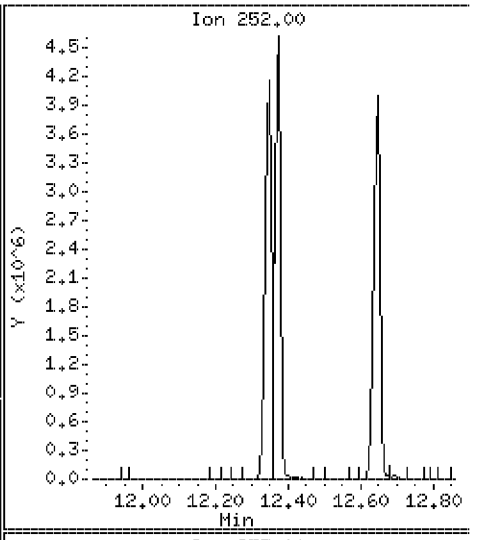
Column phase: HPMS-5

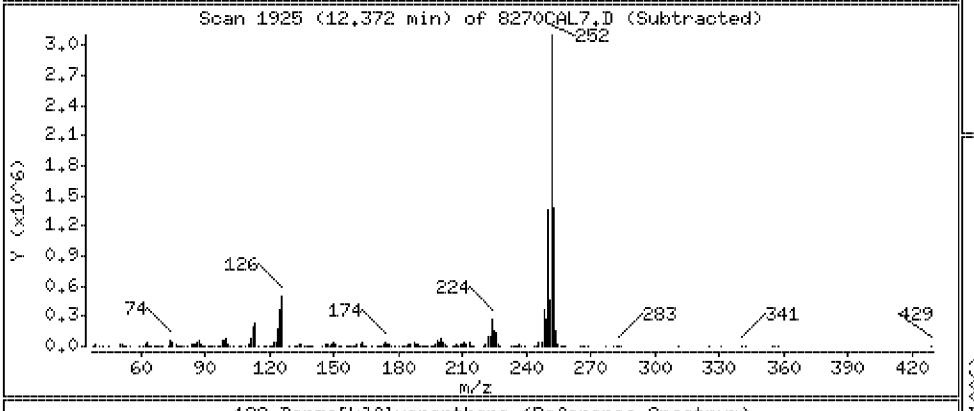
Column diameter: 0.25

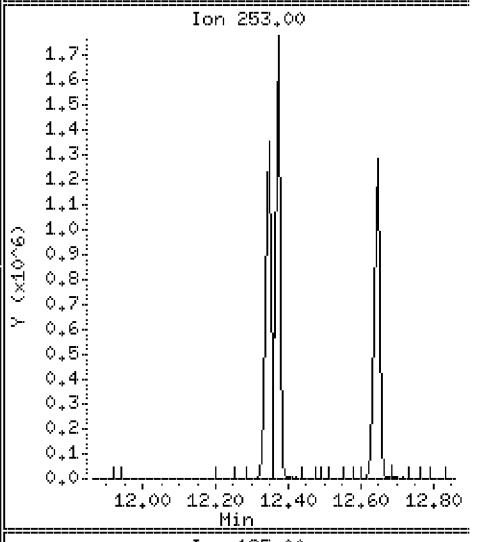
128 Benzo[k]fluoranthene

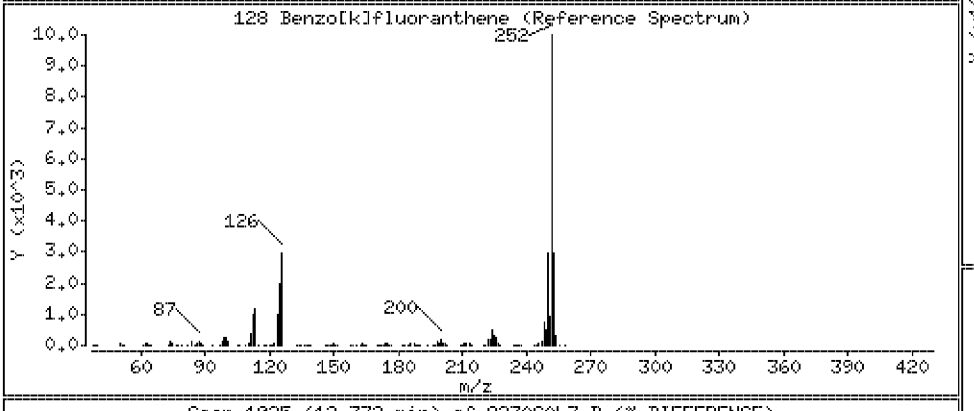
Concentration: 88.0 ug/l

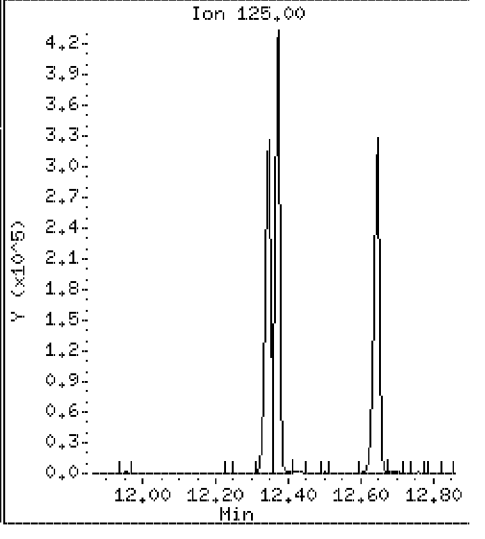


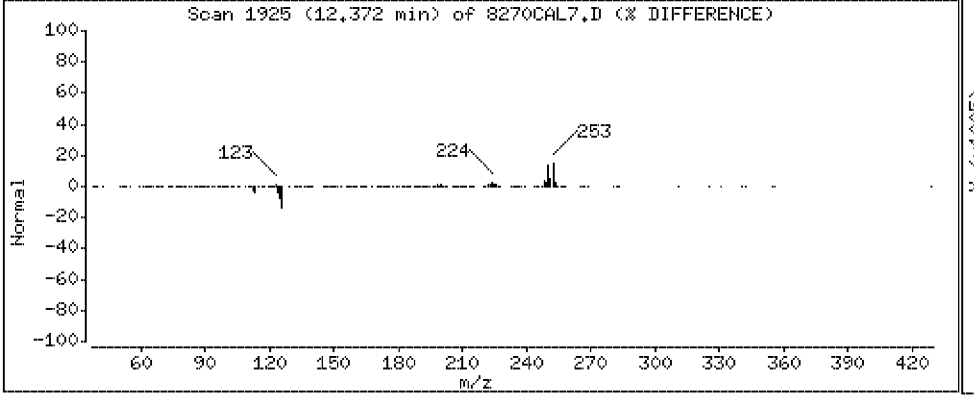












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

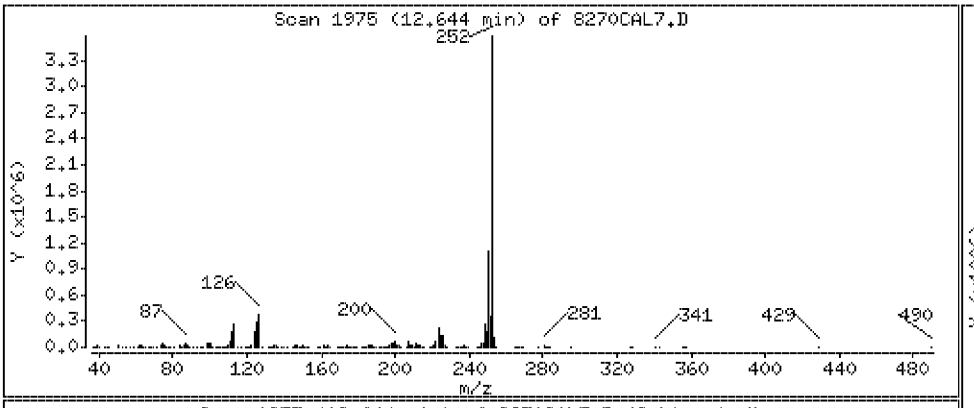
Client ID: 8270CAL7 Instrument: smsd03.i

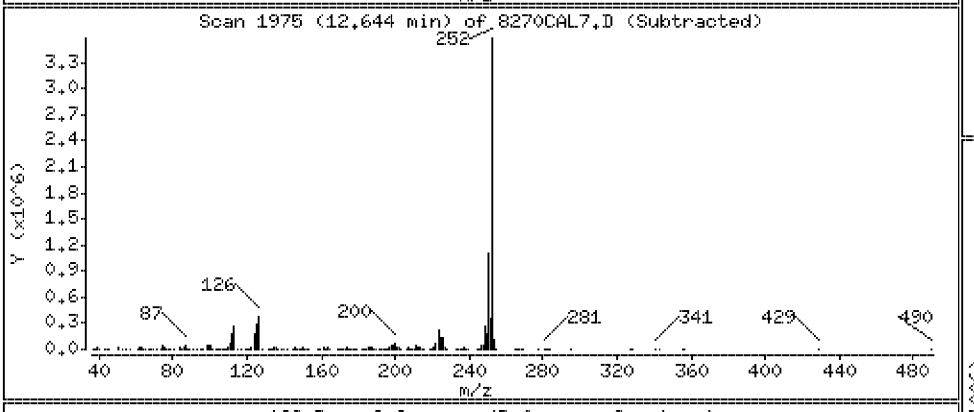
Sample Info: 45921

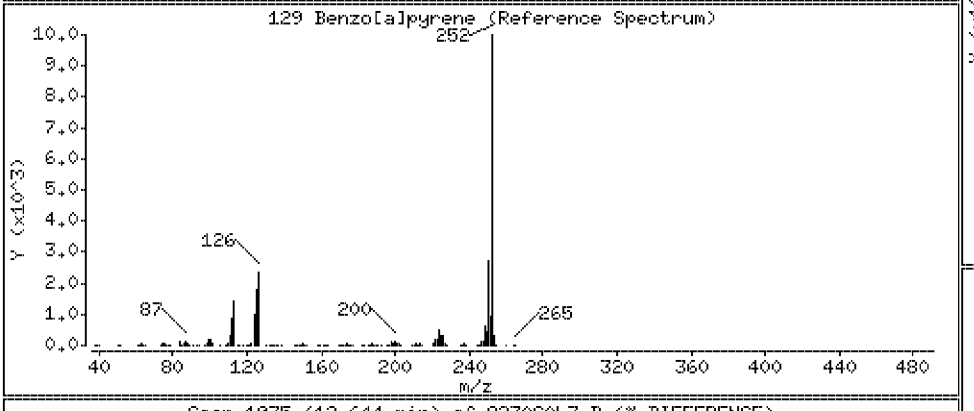
Purge Volume: 1000.0 Operator: PEL

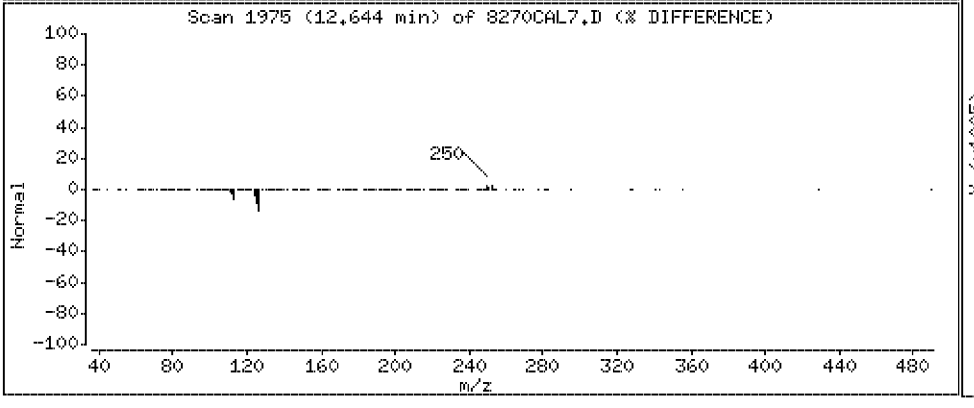
Column phase: HPMS-5 Column diameter: 0.25

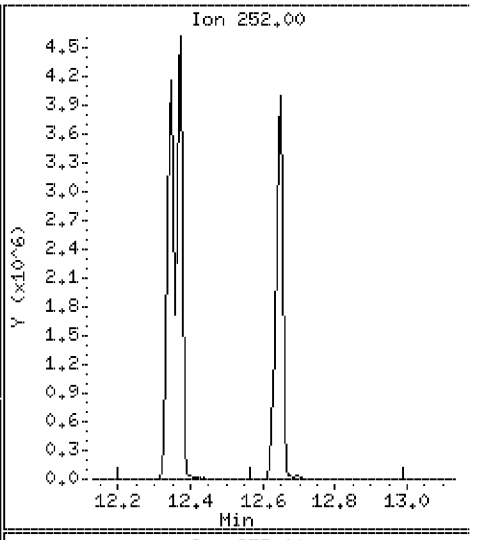
129 Benzo[a]pyrene Concentration: 95.6 ug/l

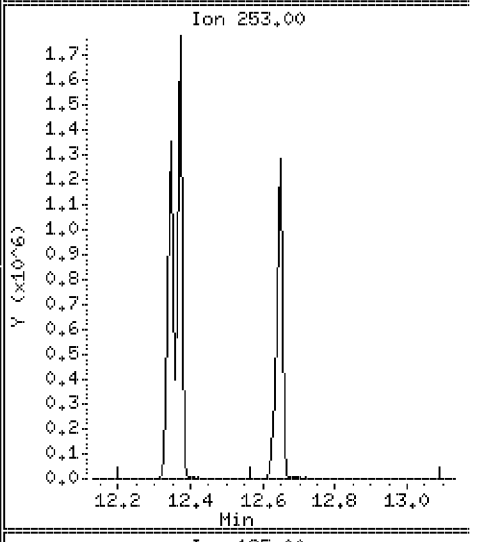


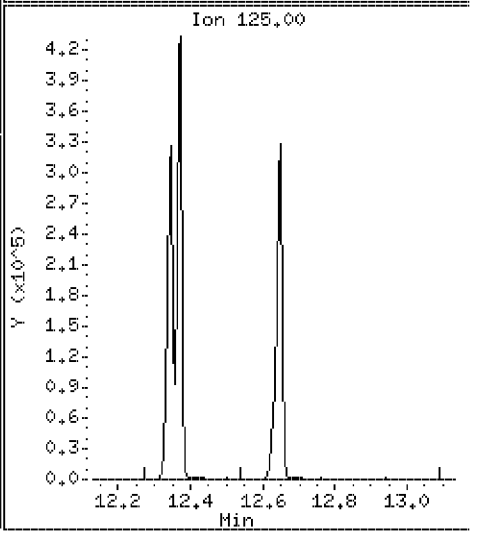












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL7.D

Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

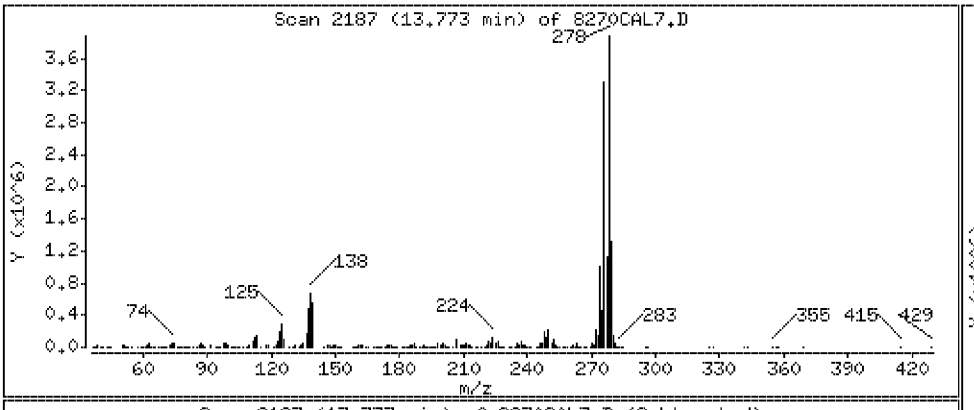
Operator: PEL

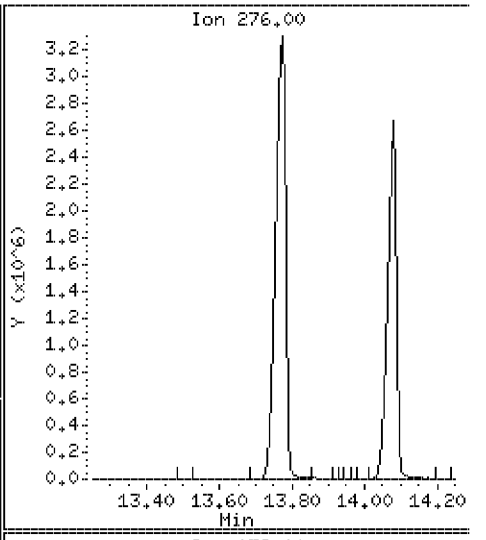
Column phase: HPMS-5

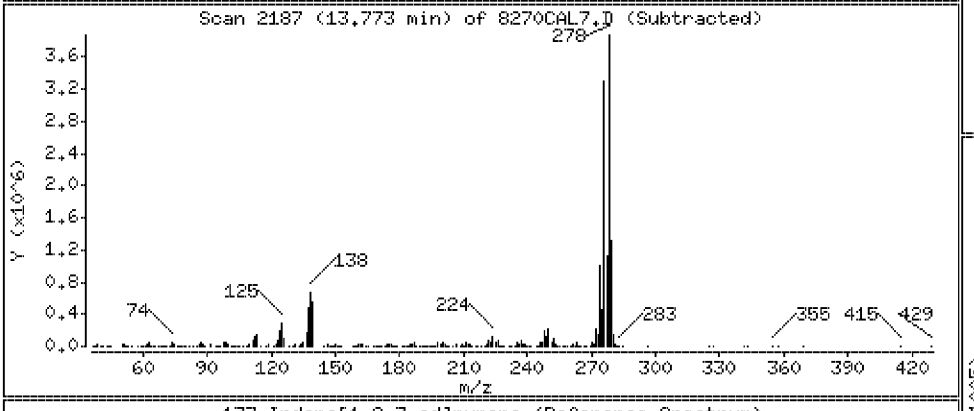
Column diameter: 0.25

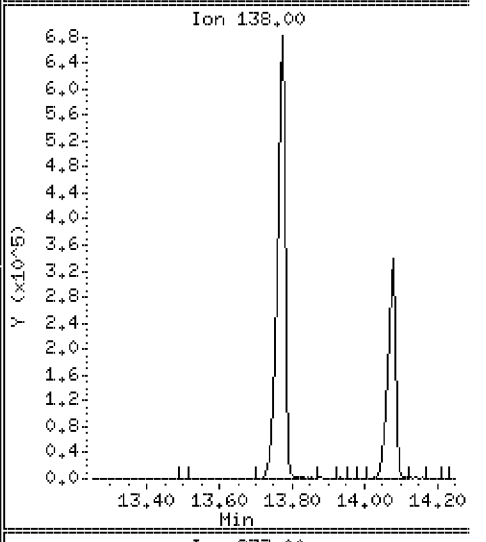
133 Indeno[1,2,3-cd]pyrene

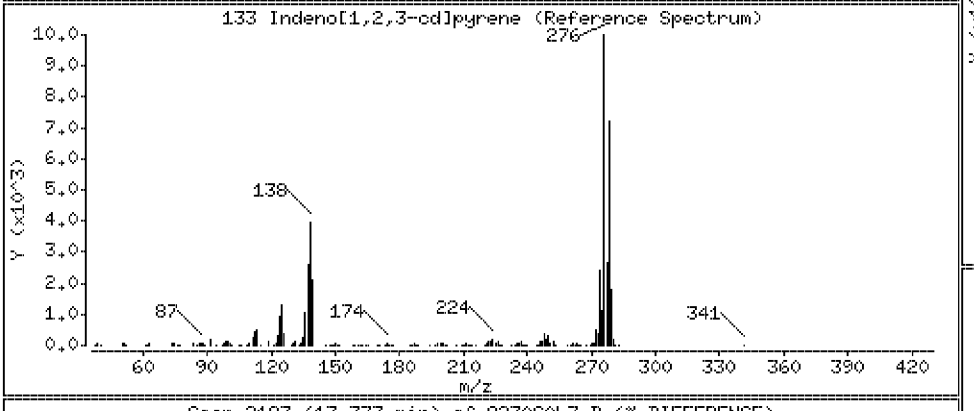
Concentration: 97.1 ug/l

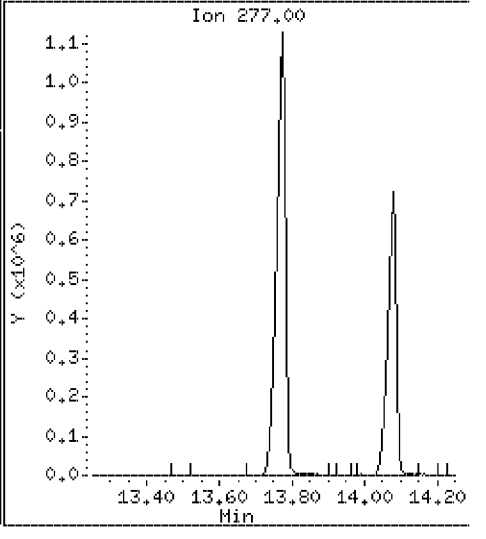


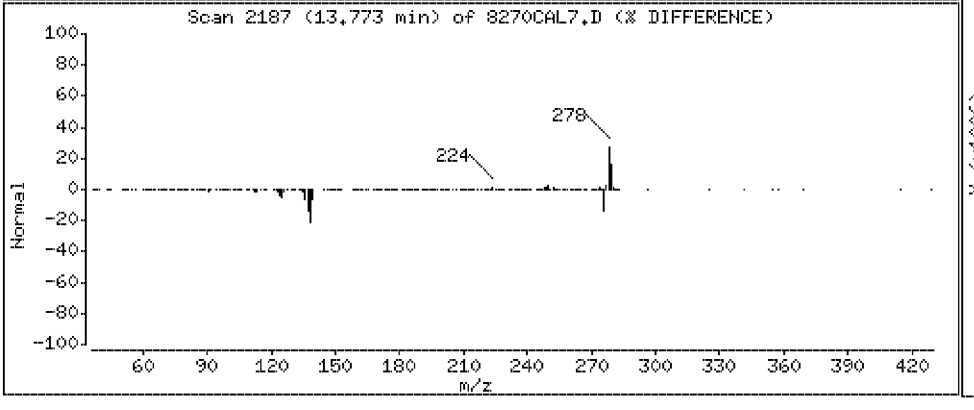












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

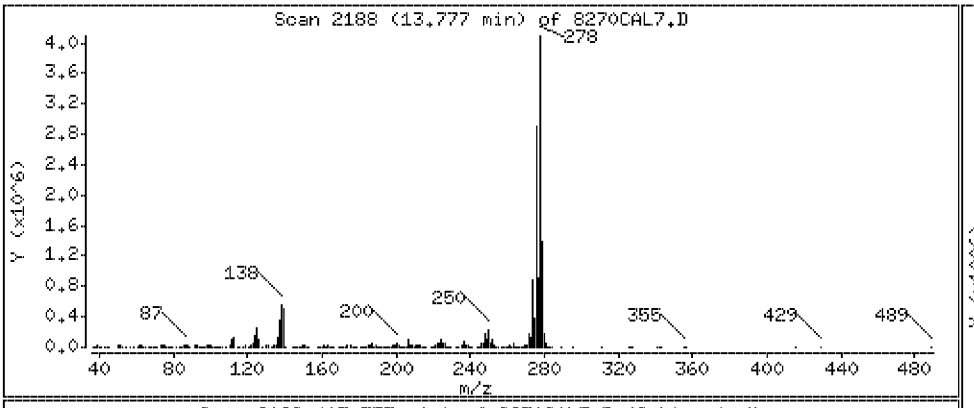
Operator: PEL

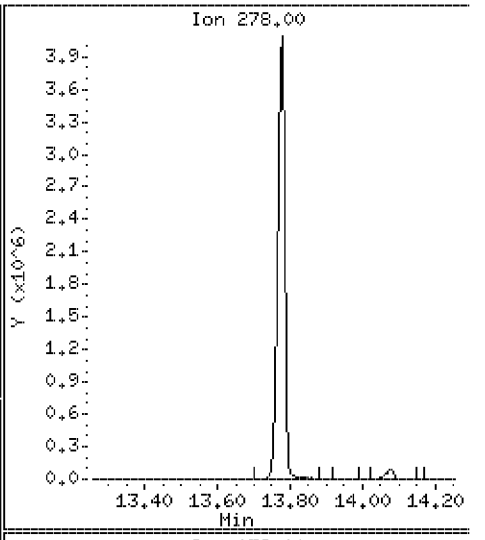
Column phase: HPMS-5

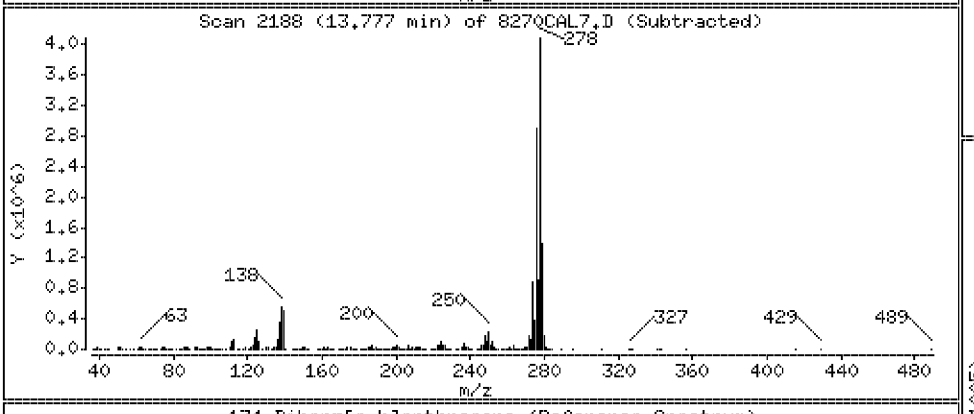
Column diameter: 0.25

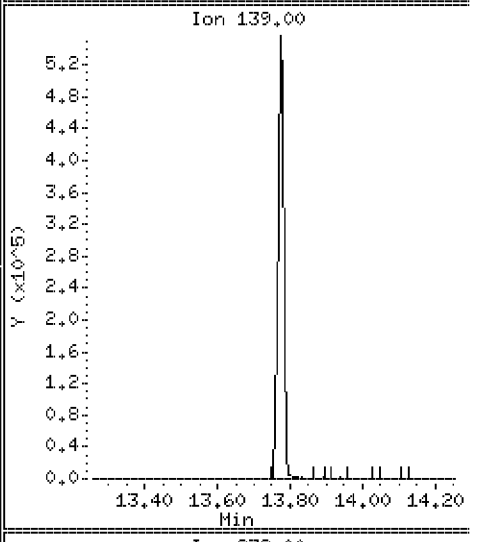
134 Dibenz[a,h]anthracene

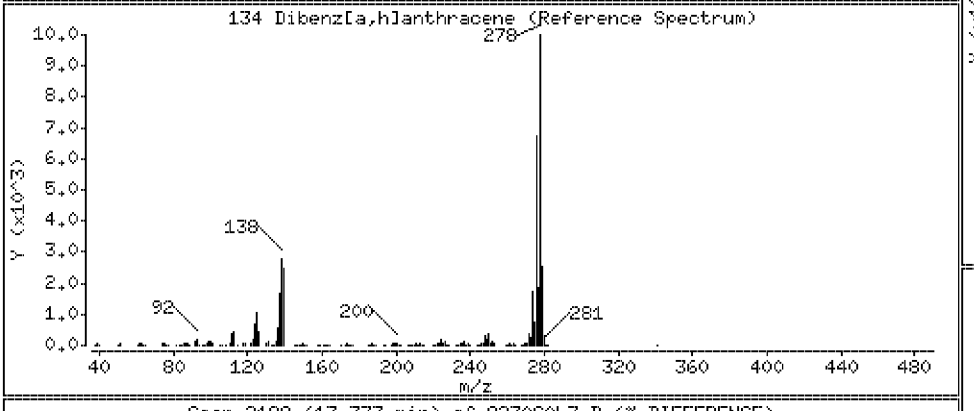
Concentration: 96.1 ug/l

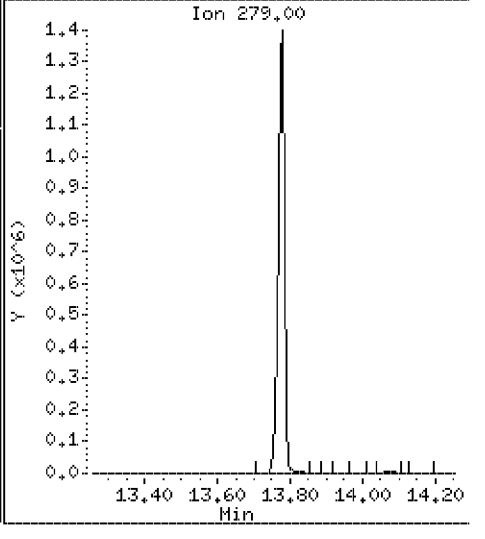


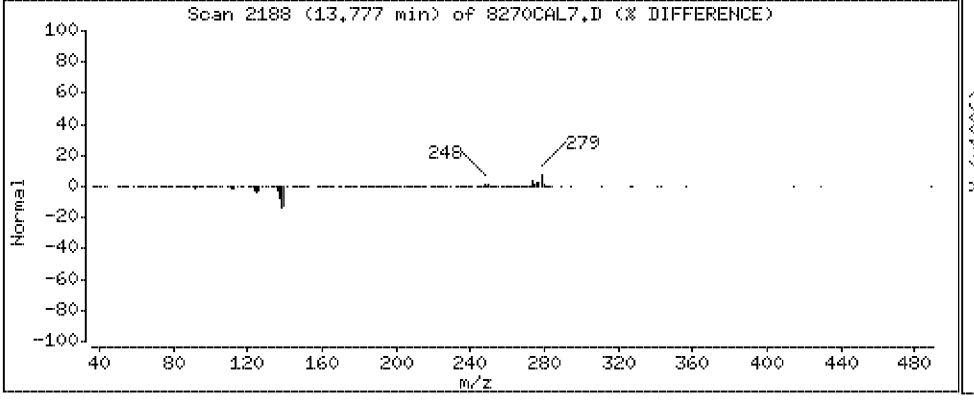












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Date : 23-APR-2012 10:23

Client ID: 8270CAL7

Instrument: smsd03.i

Sample Info: 45921

Purge Volume: 1000.0

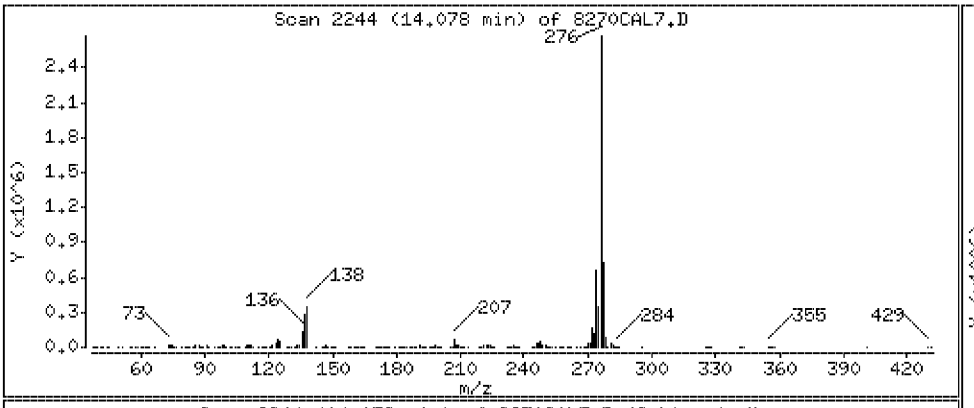
Operator: PEL

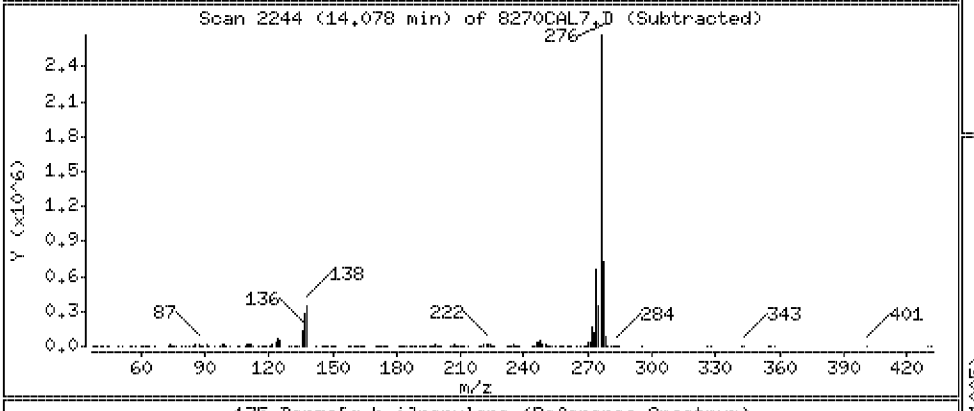
Column phase: HPMS-5

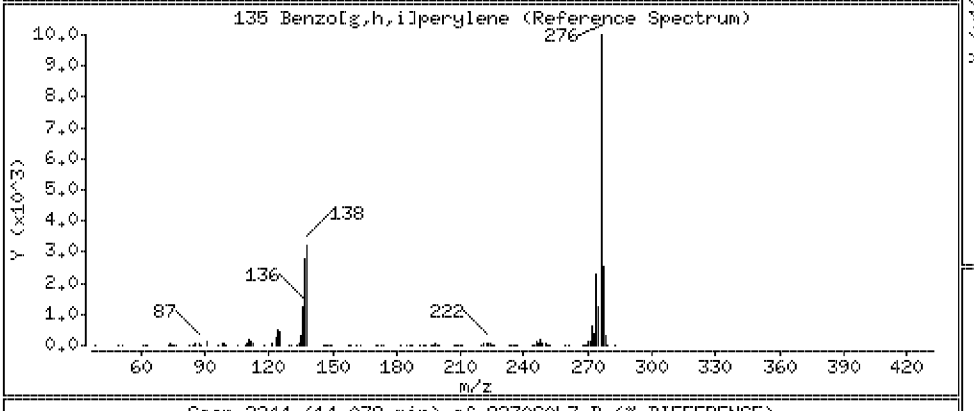
Column diameter: 0.25

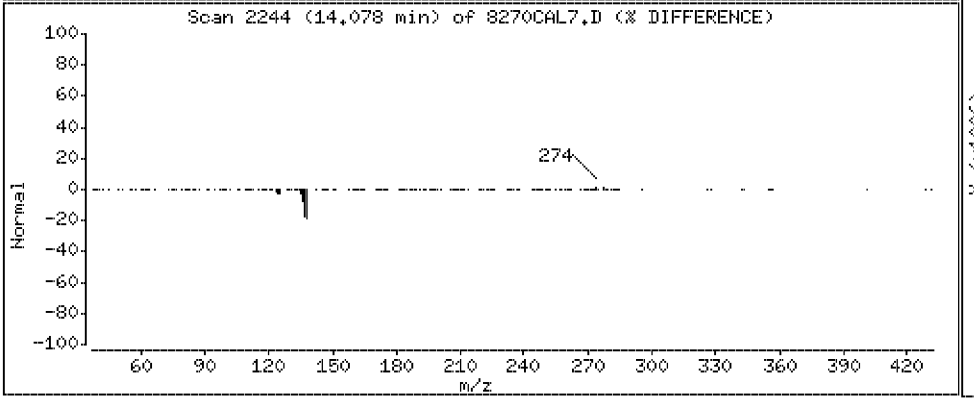
135 Benzo[g,h,i]perylene

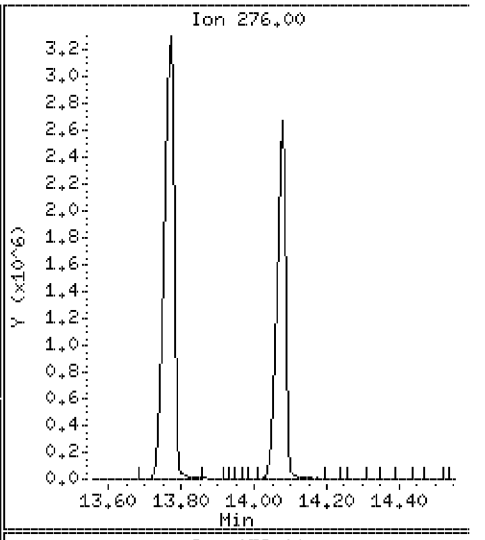
Concentration: 88.7 ug/l

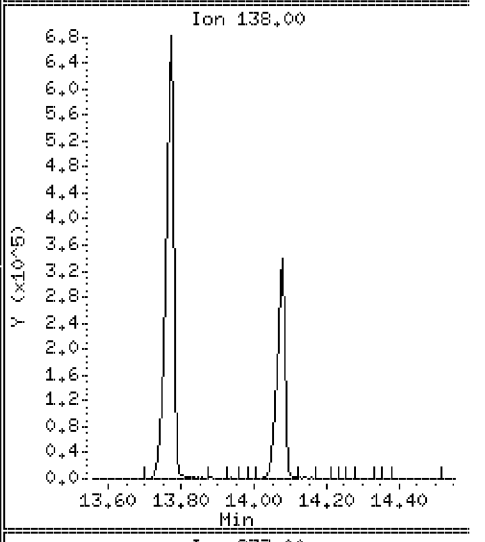


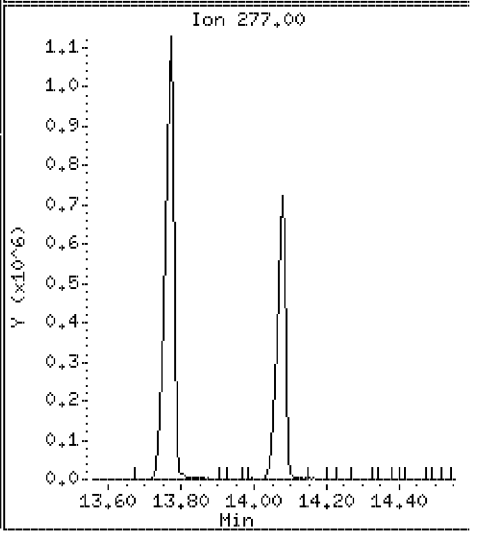












PEL Laboratories, Inc.

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Lab Smp Id: 45922 Client Smp ID: 8270CAL6
Inj Date : 23-APR-2012 10:47 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45922
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 17-APR-2012 22:27 Cal File: AP9CAL7.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	2 Pyridine						CAS #: 110-86-1		
	2.379	2.381	(0.535)	79	1025473	75.0000	76.2	80.00- 120.00	100.00
	2.379	2.381	(0.535)	52	386192			7.01- 67.01	37.66
M	16 Cresols (Total)						CAS #: 1319-77-3		
					1813052	150.000			(a)
	1 N-Nitrosodimethylamine						CAS #: 62-75-9		
	2.338	2.338	(0.526)	42	443170	75.0000	72.8	80.00- 120.00	100.00
	2.339	2.338	(0.526)	74	635675			112.35- 172.35	143.44
	2.337	2.338	(0.525)	44	19195			0.00- 34.21	4.33
$	6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
	3.383	3.383	(0.761)	112	1572948	150.000	152	80.00- 120.00	100.00
	3.383	3.383	(0.760)	64	995386			33.15- 93.15	63.28
$	11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
	4.143	4.139	(0.931)	99	2159542	150.000	156	80.00- 120.00	100.00
	4.142	4.139	(0.931)	42	406739			0.00- 48.89	18.83
	4.143	4.139	(0.931)	71	1146285			23.76- 83.76	53.08
	13 Phenol						CAS #: 108-95-2		
	4.154	4.151	(0.934)	94	1245449	75.0000	79.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.155	4.151	(0.934)	65	730696			31.39- 91.39	58.67
4.155	4.151	(0.934)	66	1317989			81.48- 141.48	105.82
	10 Aniline					CAS #: 62-53-3		
4.168	4.166	(0.937)	93	1263026	75.0000	75.7	80.00- 120.00	100.00
4.155	4.166	(0.934)	65	730695			26.91- 86.91	57.85
4.155	4.166	(0.934)	66	1317988			73.34- 133.34	104.35
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.213	4.210	(0.947)	93	743601	75.0000	75.1	80.00- 120.00	100.00
4.213	4.210	(0.947)	63	531759			42.30- 102.30	71.51
4.213	4.210	(0.947)	95	242011			1.53- 61.53	32.55
	15 2-Chlorophenol					CAS #: 95-57-8		
4.280	4.278	(0.962)	128	788989	75.0000	76.2	80.00- 120.00	100.00
4.279	4.278	(0.962)	64	412612			20.72- 80.72	52.30
4.280	4.278	(0.962)	130	262008			2.39- 62.39	33.21
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.402	4.401	(0.989)	146	964967	75.0000	76.0	80.00- 120.00	100.00
4.402	4.401	(0.989)	148	664706			36.16- 96.16	68.88
4.401	4.401	(0.989)	111	441623			16.14- 76.14	45.77
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.449	4.448	(1.000)	152	358142	40.0000		80.00- 120.00	100.00
4.448	4.448	(1.000)	115	226411			32.20- 92.20	63.22
4.449	4.448	(1.000)	150	653470			139.77- 199.77	182.46
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.464	4.462	(1.003)	146	1019395	75.0000	76.1	80.00- 120.00	100.00
4.464	4.462	(1.003)	148	688579			38.09- 98.09	67.55
4.463	4.462	(1.003)	111	444918			14.50- 74.50	43.65
	21 Benzyl alcohol					CAS #: 100-51-6		
4.570	4.567	(1.027)	108	562471	75.0000	79.3	80.00- 120.00	100.00
4.570	4.567	(1.027)	79	932040			152.29- 212.29	165.70
4.570	4.567	(1.027)	77	650646			97.26- 157.26	115.68
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.600	4.599	(1.034)	146	927343	75.0000	76.1	80.00- 120.00	100.00
4.600	4.599	(1.034)	148	622316			38.32- 98.32	67.11
4.600	4.599	(1.034)	111	433510			18.14- 78.14	46.75
	22 2-Methylphenol					CAS #: 95-48-7		
4.673	4.671	(1.050)	107	736247	75.0000	78.5	80.00- 120.00	100.00
4.673	4.671	(1.050)	108	829099			82.43- 142.43	112.61
4.674	4.671	(1.051)	79	634721			55.43- 115.43	86.21
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.677	4.675	(1.051)	45	520187	75.0000	75.2	80.00- 120.00	100.00
4.674	4.675	(1.051)	77	702751			102.98- 162.98	135.10
4.677	4.675	(1.051)	121	285137			24.22- 84.22	54.81

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol						CAS #: 106-44-5		
4.811	4.808	(1.081)	107	1076805	75.0000	79.4	80.00- 120.00	100.00
4.811	4.808	(1.081)	108	870722			50.54- 110.54	80.86
4.811	4.808	(1.081)	79	344363			2.76- 62.76	31.98
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.803	4.798	(1.080)	70	809504	75.0000	76.8	80.00- 120.00	100.00
4.803	4.798	(1.080)	42	311003			6.87- 66.87	38.42
4.804	4.798	(1.080)	130	164439			0.00- 49.23	20.31
30 Hexachloroethane						CAS #: 67-72-1		
4.902	4.902	(1.102)	117	403999	75.0000	76.4	80.00- 120.00	100.00
4.903	4.902	(1.102)	201	471094			90.07- 150.07	116.61
4.903	4.902	(1.102)	199	292110			43.69- 103.69	72.30
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.946	4.944	(0.881)	82	1202870	75.0000	76.3	80.00- 120.00	100.00
4.947	4.944	(0.882)	128	403262			2.76- 62.76	33.52
4.946	4.944	(0.881)	54	450306			7.08- 67.08	37.44
32 Nitrobenzene						CAS #: 98-95-3		
4.964	4.962	(0.885)	77	1177583	75.0000	75.8	80.00- 120.00	100.00
4.965	4.962	(0.885)	123	409391			4.18- 64.18	34.77
4.964	4.962	(0.885)	65	179941			0.00- 45.17	15.28
34 Isophorone						CAS #: 78-59-1		
5.181	5.176	(0.923)	82	1428531	75.0000	75.2	80.00- 120.00	100.00
5.182	5.176	(0.923)	138	228904			0.00- 46.29	16.02
5.181	5.176	(0.923)	95	127436			0.00- 39.21	8.92
35 2-Nitrophenol						CAS #: 88-75-5		
5.255	5.253	(0.936)	139	444679	75.0000	77.4	80.00- 120.00	100.00
5.254	5.253	(0.936)	65	314424			43.34- 103.34	70.71
5.255	5.253	(0.936)	109	222986			20.91- 80.91	50.15
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.296	5.294	(0.944)	122	678853	75.0000	76.7	80.00- 120.00	100.00
5.296	5.294	(0.944)	107	953453			111.45- 171.45	140.45
5.297	5.294	(0.944)	121	396429			28.89- 88.89	58.40
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.372	5.369	(0.957)	93	998909	75.0000	77.8	80.00- 120.00	100.00
5.372	5.369	(0.957)	95	326463			3.06- 63.06	32.68
5.372	5.369	(0.957)	123	121967			0.00- 44.40	12.21
40 Benzoic Acid						CAS #: 65-85-0		
5.427	5.404	(0.967)	122	474035	75.0000	74.6	80.00- 120.00	100.00
5.427	5.404	(0.967)	105	671144			107.67- 167.67	141.58
5.426	5.404	(0.967)	77	574901			104.37- 164.37	121.28
41 2,4-Dichlorophenol						CAS #: 120-83-2		
5.492	5.490	(0.979)	162	804882	75.0000	77.1	80.00- 120.00	100.00
5.492	5.490	(0.979)	164	541210			36.50- 96.50	67.24

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.491	5.490	(0.978)	98	281600			5.73- 65.73	34.99
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.557	5.555	(0.990)	180	999633	75.0000	76.6	80.00- 120.00	100.00
5.557	5.555	(0.990)	182	965278			67.47- 127.47	96.56
5.556	5.555	(0.990)	145	285392			0.00- 58.13	28.55
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.612	5.610	(1.000)	136	1167591	40.0000		80.00- 120.00	100.00
5.612	5.610	(1.000)	68	67799			0.00- 35.51	5.81
	44 Naphthalene					CAS #: 91-20-3		
5.632	5.630	(1.004)	128	2243435	75.0000	74.9	80.00- 120.00	100.00
5.632	5.630	(1.004)	129	280633			0.00- 41.28	12.51
5.632	5.630	(1.004)	127	334794			0.00- 43.27	14.92
	45 4-Chloroaniline					CAS #: 106-47-8		
5.684	5.681	(1.013)	127	970300	75.0000	77.0	80.00- 120.00	100.00
5.684	5.681	(1.013)	129	317770			2.39- 62.39	32.75
5.683	5.681	(1.013)	65	387696			11.54- 71.54	39.96
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.747	5.746	(1.024)	225	776312	75.0000	77.8	80.00- 120.00	100.00
5.747	5.746	(1.024)	223	486334			32.02- 92.02	62.65
5.747	5.746	(1.024)	227	512144			34.54- 94.54	65.97
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.160	6.158	(1.098)	107	764894	75.0000	76.1	80.00- 120.00	100.00
6.160	6.158	(1.098)	144	202446			0.00- 55.95	26.47
6.160	6.158	(1.098)	142	601071			44.47- 104.47	78.58
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.291	6.289	(1.121)	142	1694768	75.0000	77.7	80.00- 120.00	100.00
6.291	6.289	(1.121)	141	1459536			58.08- 118.08	86.12
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.387	6.385	(1.138)	142	1522417	75.0000	76.9	80.00- 120.00	100.00
6.388	6.385	(1.138)	141	1376540			61.72- 121.72	90.42
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.446	6.445	(0.882)	237	983078	75.0000	79.6	80.00- 120.00	100.00
6.446	6.445	(0.882)	235	625563			33.37- 93.37	63.63
6.447	6.445	(0.882)	272	139309			0.00- 43.74	14.17
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.621	6.620	(0.906)	196	759048	75.0000	77.9	80.00- 120.00	100.00
6.621	6.620	(0.906)	198	731460			67.07- 127.07	96.37
6.621	6.620	(0.906)	200	244092			1.30- 61.30	32.16
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.572	6.570	(0.899)	196	712784	75.0000	79.2	80.00- 120.00	100.00
6.572	6.570	(0.899)	198	693944			69.46- 129.46	97.36

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.571	6.570 (0.899)		97	437868			34.72- 94.72	61.43
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.646	6.644 (0.910)		172	2318218	75.0000	76.5	80.00- 120.00	100.00
6.646	6.644 (0.910)		171	880072			5.03- 65.03	37.96
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.765	6.763 (0.926)		162	1789563	75.0000	78.0	80.00- 120.00	100.00
6.765	6.763 (0.926)		164	639764			4.20- 64.20	35.75
6.764	6.763 (0.926)		127	706710			7.85- 67.85	39.49
63 2-Nitroaniline						CAS #: 88-74-4		
6.872	6.869 (0.940)		65	607614	75.0000	76.9	80.00- 120.00	100.00
6.872	6.869 (0.941)		92	379019			30.25- 90.25	62.38
6.873	6.869 (0.941)		138	520687			52.43- 112.43	85.69
65 Dimethylphthalate						CAS #: 131-11-3		
7.044	7.040 (0.964)		163	1974000	75.0000	74.9	80.00- 120.00	100.00
7.044	7.040 (0.964)		194	119626			0.00- 35.55	6.06
7.043	7.040 (0.964)		164	218814			0.00- 40.55	11.08
68 Acenaphthylene						CAS #: 208-96-8		
7.169	7.167 (0.981)		152	2596023	75.0000	76.5	80.00- 120.00	100.00
7.169	7.167 (0.981)		151	559856			0.00- 50.50	21.57
7.169	7.167 (0.981)		153	384668			0.00- 43.76	14.82
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.104	7.100 (0.972)		165	472468	75.0000	79.3	80.00- 120.00	100.00
7.103	7.100 (0.972)		89	364474			49.02- 109.02	77.14
7.103	7.100 (0.972)		63	347360			44.86- 104.86	73.52
69 3-Nitroaniline						CAS #: 99-09-2		
7.276	7.271 (0.996)		138	407889	75.0000	77.1	80.00- 120.00	100.00
7.275	7.271 (0.996)		108	44275			0.00- 41.32	10.85
7.275	7.271 (0.996)		92	521367			100.05- 160.05	127.82
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.307	7.305 (1.000)		164	782749	40.0000		80.00- 120.00	100.00
7.307	7.305 (1.000)		162	755684			64.73- 124.73	96.54
7.307	7.305 (1.000)		160	336873			12.46- 72.46	43.04
71 Acenaphthene						CAS #: 83-32-9		
7.340	7.338 (1.004)		154	1624831	75.0000	78.9	80.00- 120.00	100.00
7.340	7.338 (1.005)		153	1751192			78.46- 138.46	107.78
7.340	7.338 (1.004)		152	877394			23.44- 83.44	54.00
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.372	7.369 (1.009)		184	315067	75.0000	75.3	80.00- 120.00	100.00
7.372	7.369 (1.009)		63	160926			48.07- 108.07	51.08
7.372	7.369 (1.009)		154	214083			39.61- 99.61	67.95
74 4-Nitrophenol						CAS #: 100-02-7		
7.478	7.476 (1.023)		109	451545	75.0000	78.5	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.478	7.476	(1.023)	139	294848			26.63- 86.63	65.30
7.478	7.476	(1.023)	65	502405			81.59- 141.59	111.26
	75 Dibenzofuran					CAS #: 132-64-9		
7.508	7.506	(1.028)	168	2553443	75.0000	76.2	80.00- 120.00	100.00
7.508	7.506	(1.028)	139	1124933			12.75- 72.75	44.06
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.498	7.494	(1.026)	165	669843	75.0000	80.2	80.00- 120.00	100.00
7.498	7.494	(1.026)	63	699302			82.10- 142.10	104.40
7.498	7.494	(1.026)	89	664932			72.08- 132.08	99.27
	80 Diethylphthalate					CAS #: 84-66-2		
7.733	7.729	(1.058)	149	1823161	75.0000	74.9	80.00- 120.00	100.00
7.733	7.729	(1.058)	177	442086			0.00- 53.36	24.25
7.732	7.729	(1.058)	150	235803			0.00- 42.43	12.93
	81 Fluorene					CAS #: 86-73-7		
7.843	7.841	(1.073)	166	2351627	75.0000	81.0	80.00- 120.00	100.00
7.843	7.841	(1.073)	165	2198189			65.55- 125.55	93.48
7.843	7.841	(1.073)	167	360555			0.00- 44.15	15.33
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.840	7.838	(1.073)	204	1433760	75.0000	82.4	80.00- 120.00	100.00
7.840	7.838	(1.073)	206	503984			4.27- 64.27	35.15
7.839	7.838	(1.073)	141	789742			24.97- 84.97	55.08
	84 4-Nitroaniline					CAS #: 100-01-6		
7.882	7.874	(1.079)	138	348432	75.0000	76.0	80.00- 120.00	100.00
7.882	7.874	(1.079)	92	229530			38.02- 98.02	65.88
7.882	7.874	(1.079)	108	514441			124.92- 184.92	147.64
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.902	7.896	(0.902)	198	462929	75.0000	74.1	80.00- 120.00	100.00
7.900	7.896	(0.902)	51	173239			6.77- 66.77	37.42
7.901	7.896	(0.902)	105	179323			8.50- 68.50	38.74
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.961	7.956	(0.909)	169	1346688	75.0000	77.4	80.00- 120.00	100.00
7.961	7.956	(0.909)	168	897851			36.61- 96.61	66.67
7.961	7.956	(0.909)	167	484131			4.62- 64.62	35.95
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.996	7.992	(1.094)	77	2062543	75.0000	73.7	80.00- 120.00	100.00(M)
7.997	7.992	(1.094)	105	295597			0.00- 43.34	14.33
7.998	7.992	(1.095)	182	571505			0.00- 56.11	27.71
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.087	8.083	(1.107)	330	877712	150.000	160	80.00- 120.00	100.00
8.087	8.083	(1.107)	332	867986			66.43- 126.43	98.89
8.084	8.083	(1.106)	141	344958			9.24- 69.24	39.30

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.320	8.318	(0.949)	248	793487	75.0000	78.7	80.00- 120.00	100.00
8.320	8.318	(0.949)	250	778746			67.36- 127.36	98.14
8.318	8.318	(0.949)	141	532858			35.77- 95.77	67.15
94 Hexachlorobenzene						CAS #: 118-74-1		
8.389	8.387	(0.957)	284	923550	75.0000	79.6	80.00- 120.00	100.00
8.387	8.387	(0.957)	142	310302			2.39- 62.39	33.60
8.388	8.387	(0.957)	249	289382			0.06- 60.06	31.33
96 Pentachlorophenol						CAS #: 87-86-5		
8.586	8.585	(0.980)	266	546128	75.0000	80.1	80.00- 120.00	100.00
8.587	8.585	(0.980)	264	346479			33.70- 93.70	63.44
8.587	8.585	(0.980)	268	358493			35.26- 95.26	65.64
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.762	8.761	(1.000)	188	1380309	40.0000		80.00- 120.00	100.00
8.761	8.761	(1.000)	94	86706			0.00- 36.35	6.28
8.761	8.761	(1.000)	80	100931			0.00- 37.82	7.31
101 Phenanthrene						CAS #: 85-01-8		
8.787	8.785	(1.003)	178	2677572	75.0000	75.3	80.00- 120.00	100.00
8.787	8.785	(1.003)	179	459530			0.00- 46.33	17.16
8.787	8.785	(1.003)	176	575726			0.00- 50.11	21.50
103 Anthracene						CAS #: 120-12-7		
8.836	8.835	(1.008)	178	2667185	75.0000	75.3	80.00- 120.00	100.00
8.836	8.835	(1.008)	179	470336			0.00- 45.97	17.63
8.836	8.835	(1.008)	176	555606			0.00- 49.80	20.83
104 Carbazole						CAS #: 86-74-8		
8.998	8.996	(1.027)	167	2218341	75.0000	75.2	80.00- 120.00	100.00
8.998	8.996	(1.027)	139	319887			0.00- 43.89	14.42
8.998	8.996	(1.027)	83	160833			0.00- 36.17	7.25
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.328	9.327	(1.065)	149	2860549	75.0000	76.8	80.00- 120.00	100.00
9.328	9.327	(1.065)	150	322766			0.00- 40.04	11.28
9.328	9.327	(1.065)	104	242347			0.00- 37.79	8.47
109 Fluoranthene						CAS #: 206-44-0		
9.955	9.953	(1.136)	202	3050937	75.0000	74.8	80.00- 120.00	100.00
9.954	9.953	(1.136)	101	243991			0.00- 36.69	8.00
9.955	9.953	(1.136)	203	617712			0.00- 48.82	20.25
111 Pyrene						CAS #: 129-00-0		
10.179	10.176	(0.896)	202	3259005	75.0000	66.2	80.00- 120.00	100.00
10.179	10.176	(0.896)	200	787867			0.00- 51.88	24.18
10.179	10.176	(0.896)	203	691881			0.00- 49.33	21.23
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.324	10.322	(0.909)	244	3113831	75.0000	66.7	80.00- 120.00	100.00
10.323	10.322	(0.909)	122	244464			0.00- 36.72	7.85

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.324	10.322	(0.909)	212	276486			0.00- 38.06	8.88
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.800	10.798	(0.951)	149	1566818	75.0000	73.5	80.00- 120.00	100.00
10.800	10.798	(0.951)	91	1264991			51.57- 111.57	80.74
10.801	10.798	(0.951)	206	420767			0.00- 55.14	26.85
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.351	11.348	(0.999)	228	4345022	75.0000	69.9	80.00- 120.00	100.00
11.351	11.348	(0.999)	229	1084134			0.00- 51.57	24.95
11.351	11.348	(0.999)	226	1412402			0.00- 58.54	32.51
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.361	11.359	(1.000)	240	2475600	40.0000		80.00- 120.00	100.00
11.359	11.359	(1.000)	120	164799			0.00- 36.38	6.66
11.361	11.359	(1.000)	236	675537			0.00- 57.06	27.29
123 Chrysene						CAS #: 218-01-9		
11.389	11.384	(1.002)	228	3630272	75.0000	66.6	80.00- 120.00	100.00
11.389	11.384	(1.002)	226	1260525			1.12- 61.12	34.72
11.389	11.384	(1.002)	229	885273			0.00- 51.74	24.39
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.353	11.350	(0.999)	149	2822016	75.0000	76.6	80.00- 120.00	100.00
11.353	11.350	(0.999)	167	1005851			2.07- 62.07	35.64
11.354	11.350	(0.999)	279	309183			0.00- 39.24	10.96
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.952	11.948	(0.942)	149	3402058	75.0000	78.1	80.00- 120.00	100.00
11.952	11.948	(0.942)	167	72646			0.00- 31.74	2.14
11.951	11.948	(0.942)	43	302712			0.00- 38.21	8.90
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.341	12.333	(0.973)	252	4054432	75.0000	75.5	80.00- 120.00	100.00
12.341	12.333	(0.973)	253	1049725			0.00- 54.02	25.89
12.340	12.333	(0.973)	125	240202			0.00- 34.93	5.92
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.367	12.359	(0.975)	252	3930594	75.0000	72.8	80.00- 120.00	100.00
12.367	12.359	(0.975)	253	1088162			0.00- 53.57	27.68
12.366	12.359	(0.975)	125	250013			0.00- 35.26	6.36
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.638	12.630	(0.996)	252	3931682	75.0000	75.0	80.00- 120.00	100.00
12.638	12.630	(0.996)	253	997822			0.00- 54.04	25.38
12.637	12.630	(0.996)	125	251043			0.00- 35.52	6.39
* 130 Perylene-d12						CAS #: 1520-96-3		
12.688	12.682	(1.000)	264	2020258	40.0000		80.00- 120.00	100.00
12.688	12.682	(1.000)	260	503537			0.00- 54.80	24.92
12.688	12.682	(1.000)	265	473918			0.00- 53.39	23.46

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.762	13.749	(1.085)	276	4903854	75.0000	75.0	80.00- 120.00	100.00
13.763	13.749	(1.085)	138	704005			0.00- 42.48	14.36
13.763	13.749	(1.085)	277	1370498			0.00- 56.82	27.95
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.768	13.755	(1.085)	278	4354019	75.0000	76.3	80.00- 120.00	100.00
13.767	13.755	(1.085)	139	393933			0.00- 37.70	9.05
13.768	13.755	(1.085)	279	1169748			0.00- 54.57	26.87
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.069	14.053	(1.109)	276	3511548	75.0000	70.3	80.00- 120.00	100.00
14.068	14.053	(1.109)	138	375067			0.00- 40.01	10.68
14.069	14.053	(1.109)	277	888853			0.00- 54.80	25.31

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D
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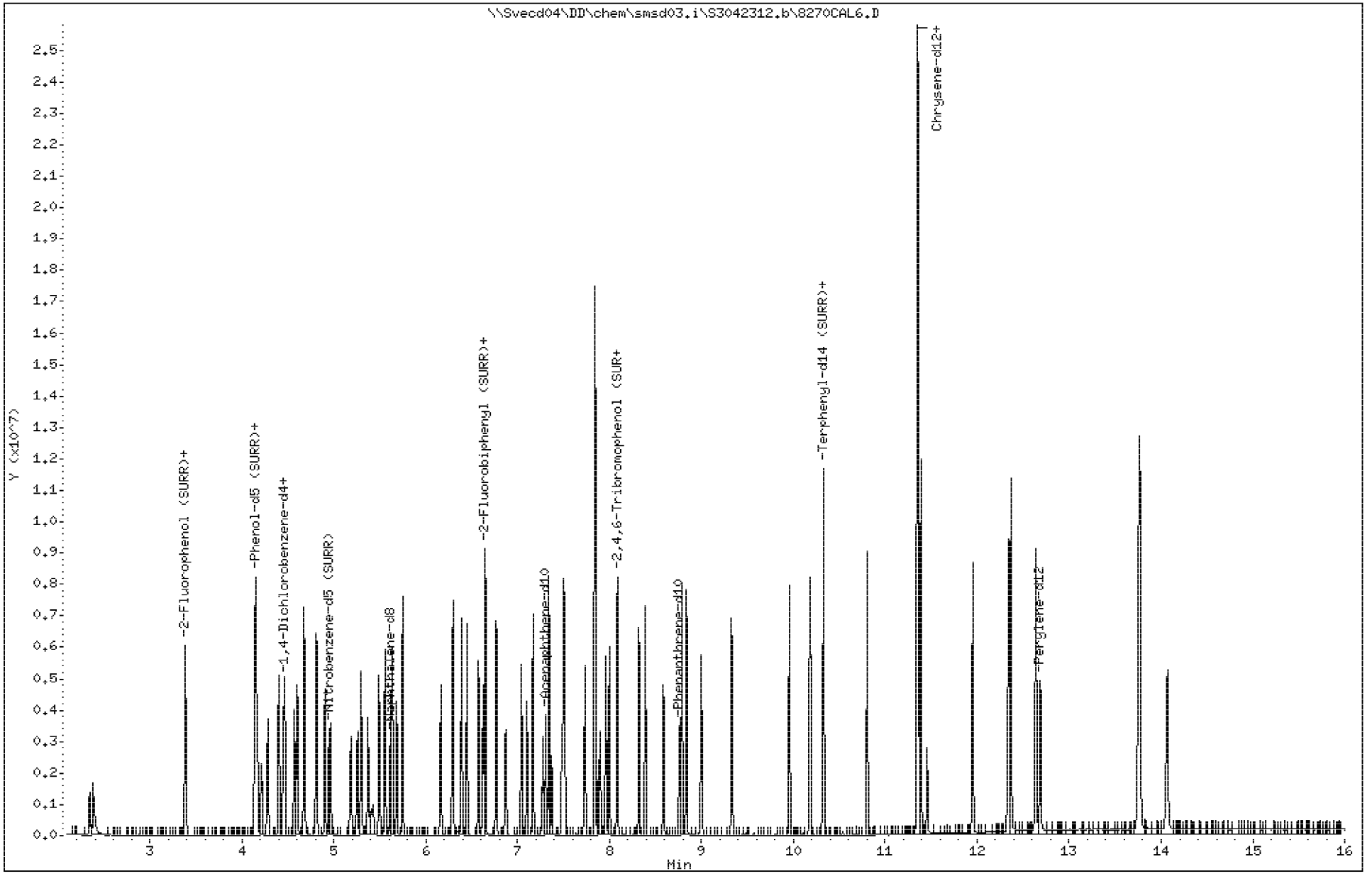
Client ID: 8270CAL6
Instrument: smsd03.i
Sample Info: 45922
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

980



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Date : 23-APR-2012 10:47

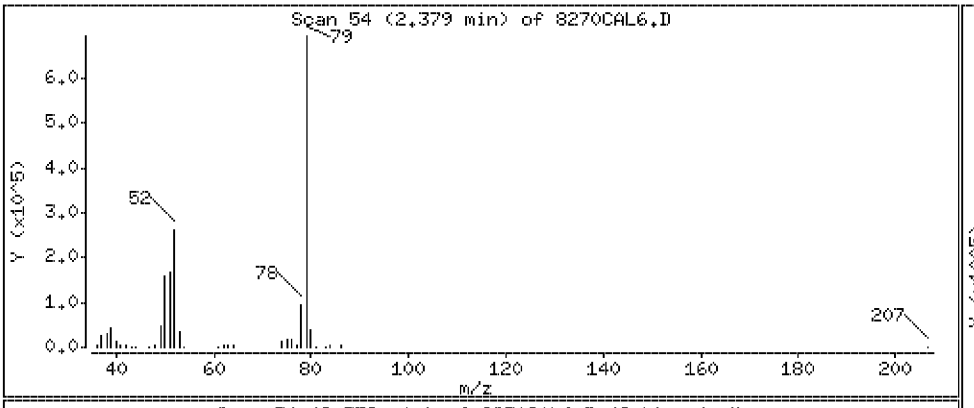
Client ID: 8270CAL6 Instrument: smsd03.i

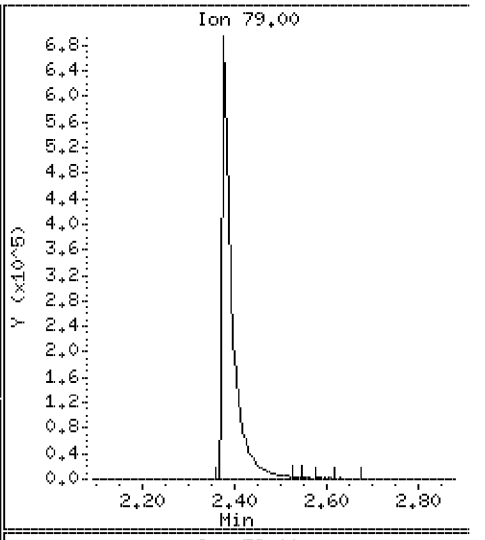
Sample Info: 45922

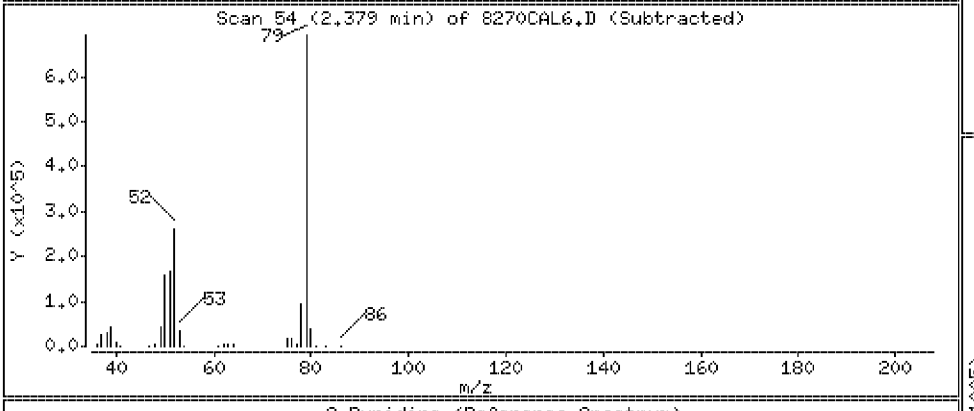
Purge Volume: 1000.0 Operator: PEL

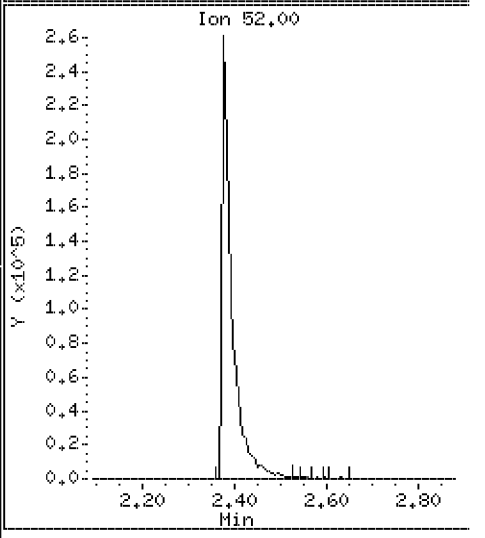
Column phase: HPMS-5 Column diameter: 0.25

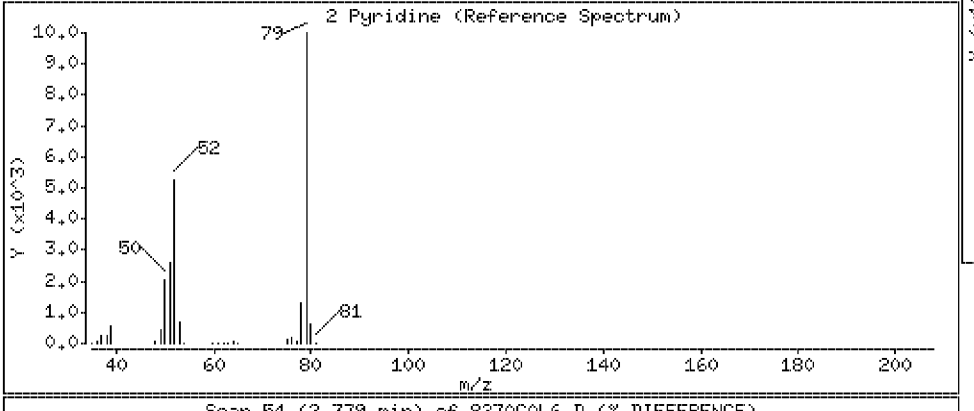
2 Pyridine Concentration: 76.2 ug/l

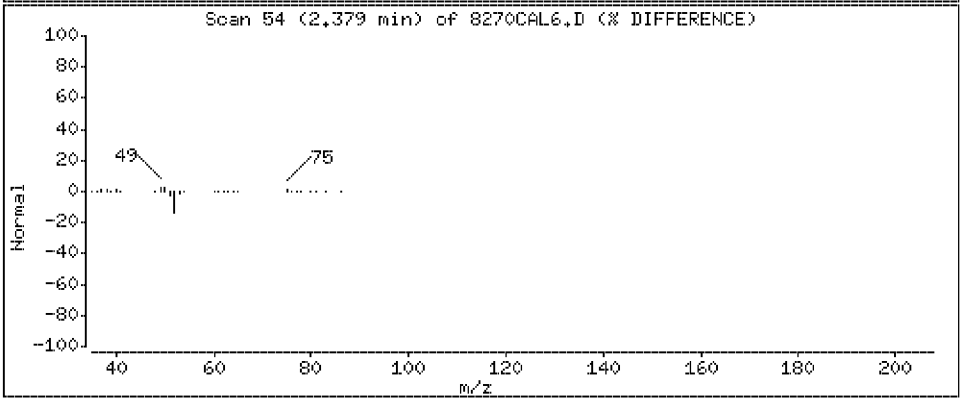












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

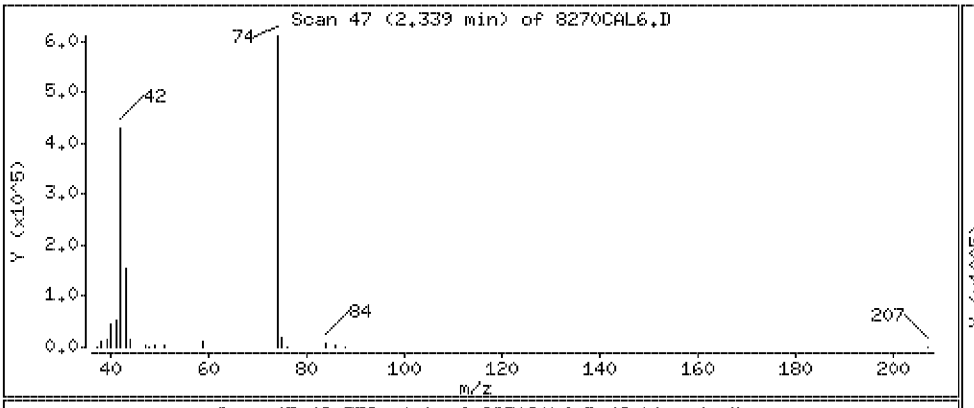
Operator: PEL

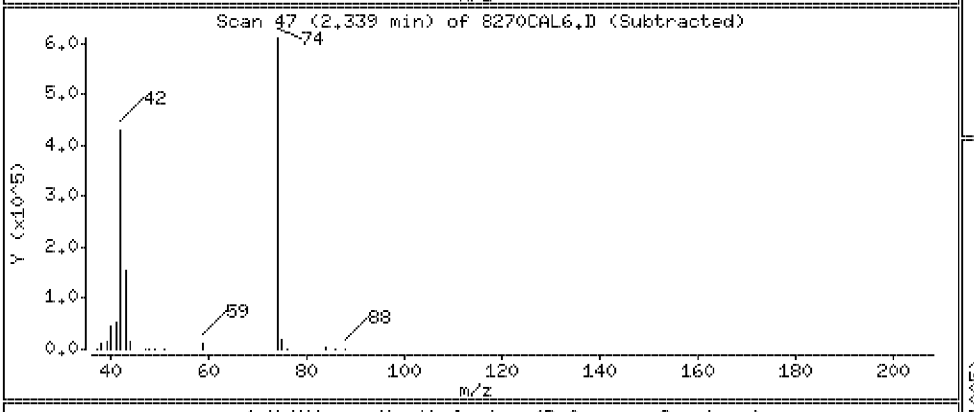
Column phase: HPMS-5

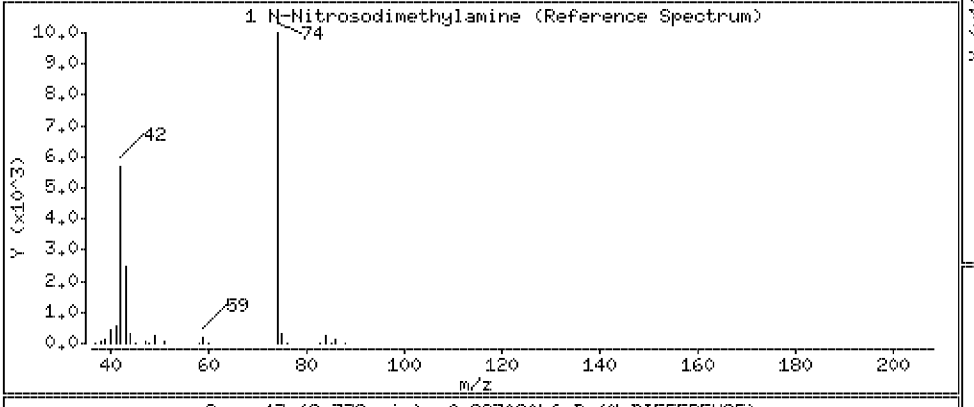
Column diameter: 0.25

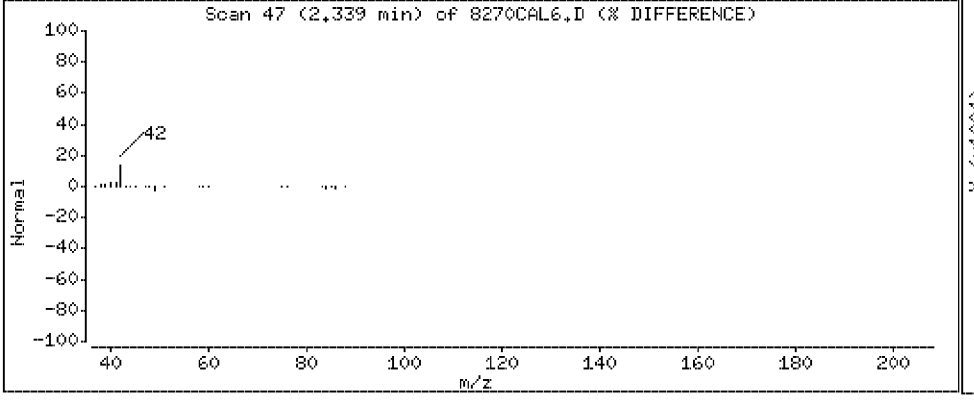
1 N-Nitrosodimethylamine

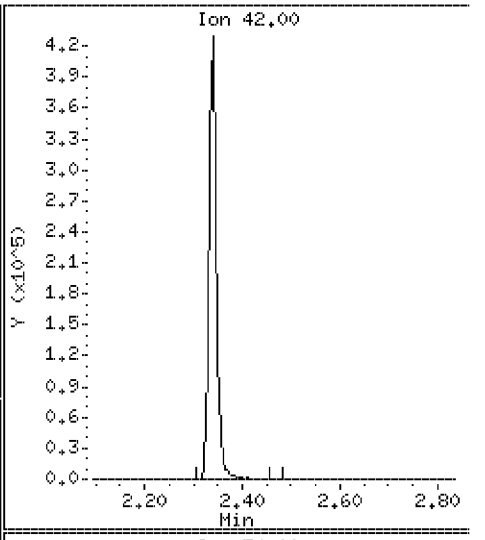
Concentration: 72.8 ug/l

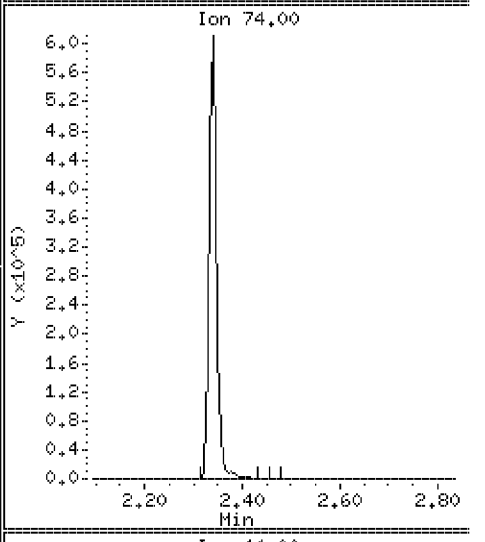


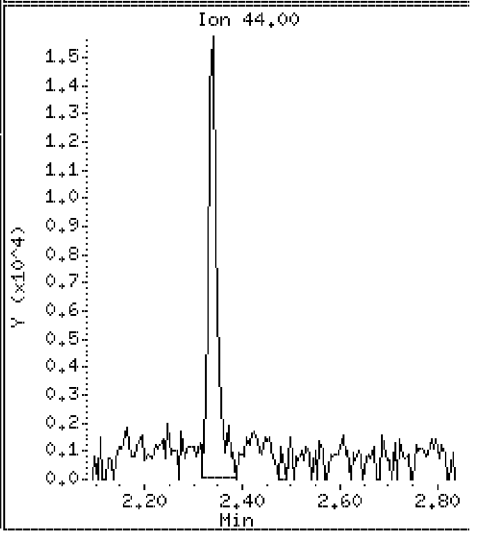












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

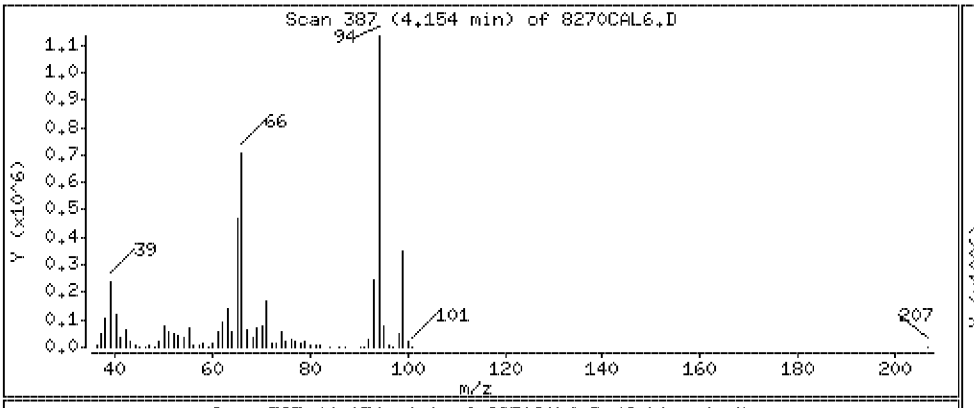
Operator: PEL

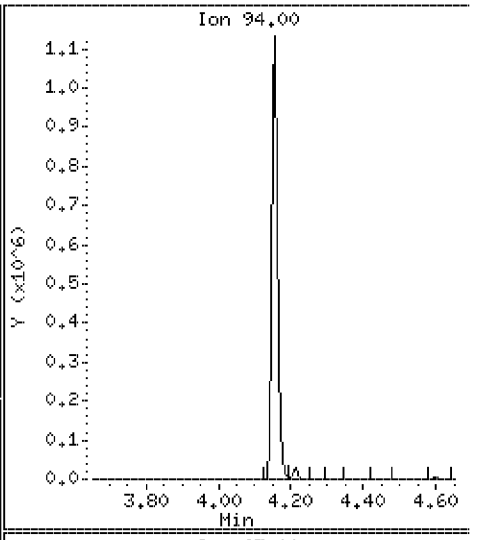
Column phase: HPMS-5

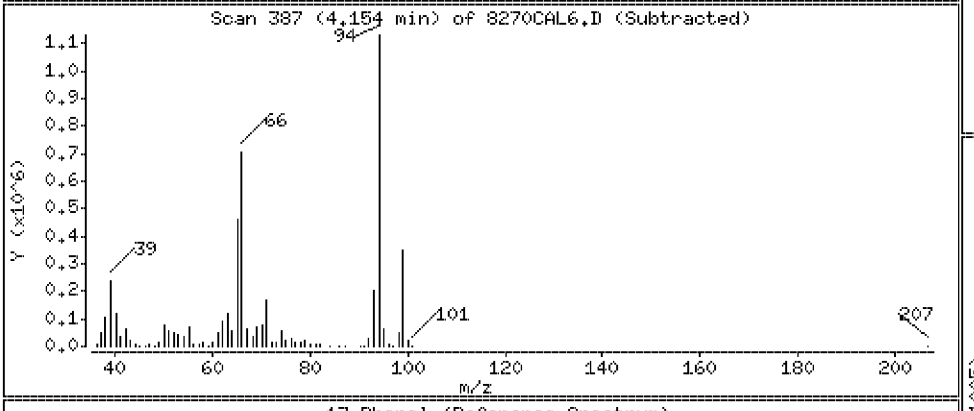
Column diameter: 0.25

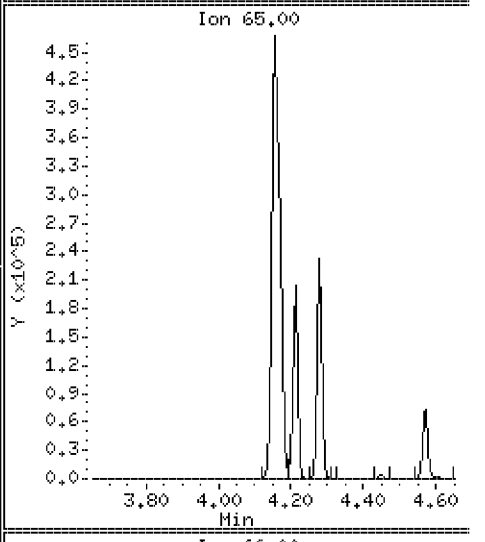
13 Phenol

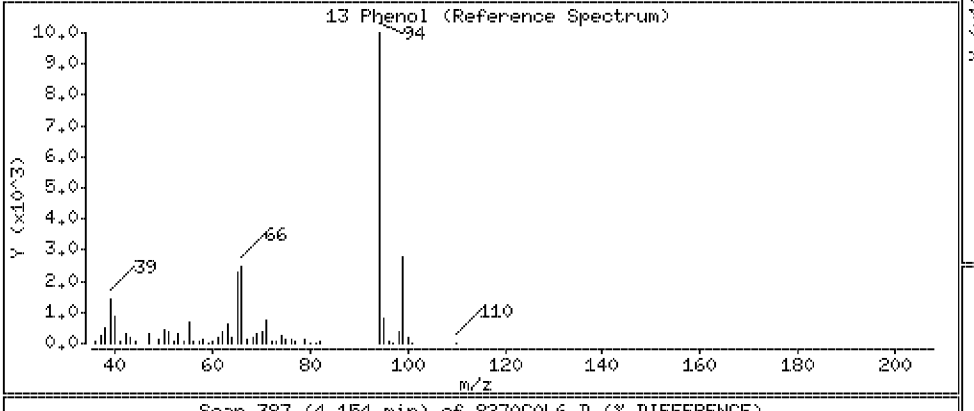
Concentration: 79.1 ug/l

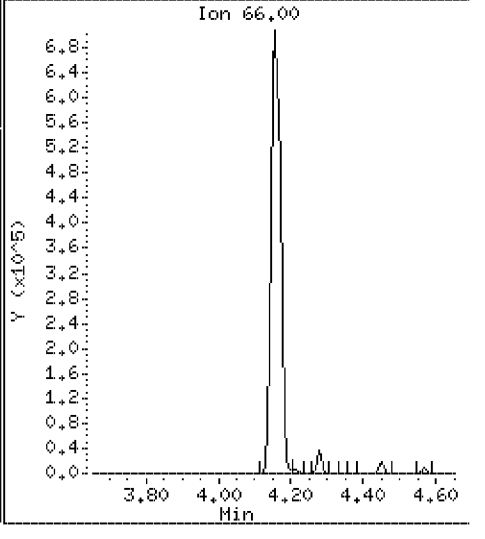


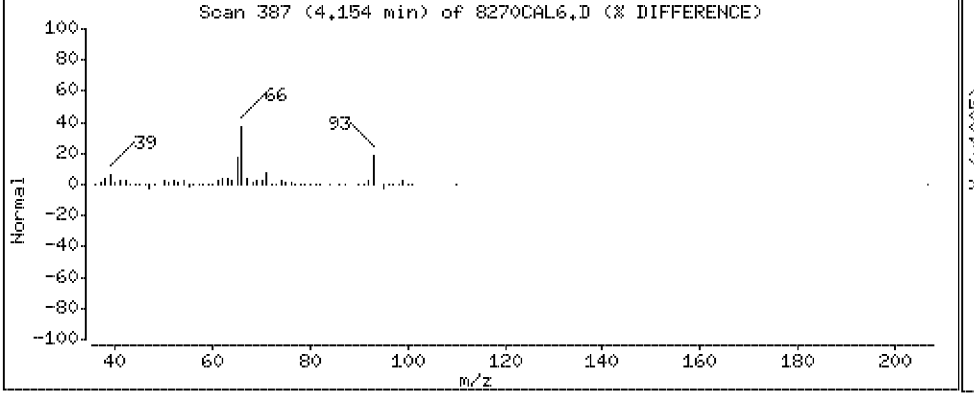












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

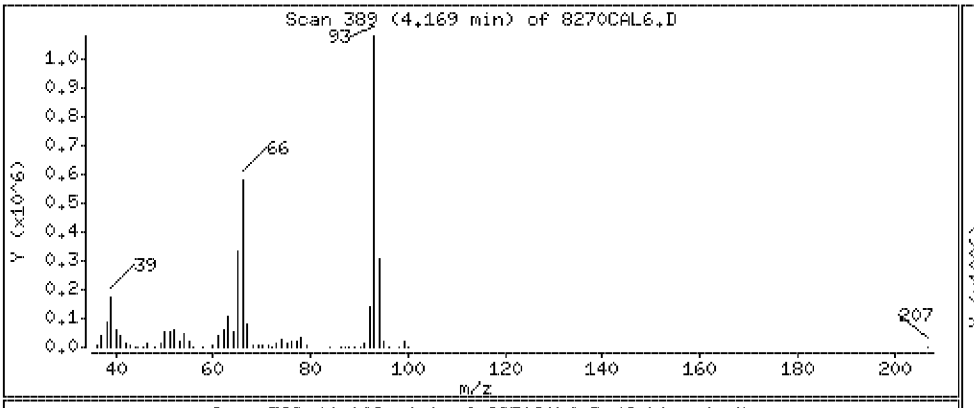
Operator: PEL

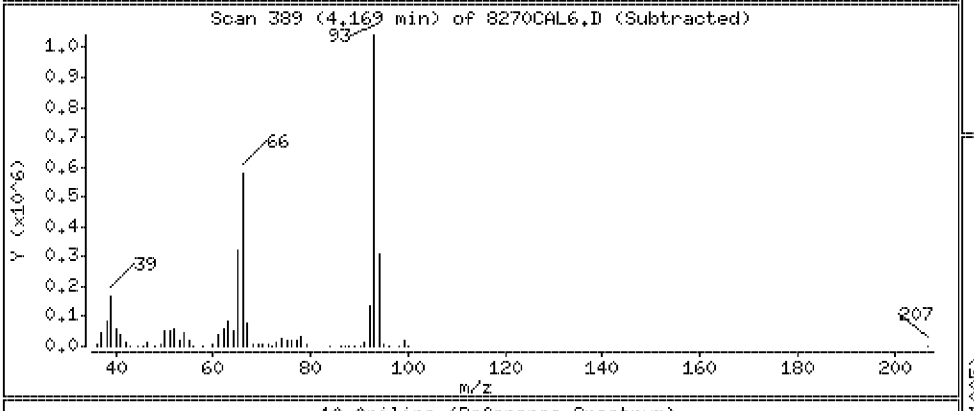
Column phase: HPMS-5

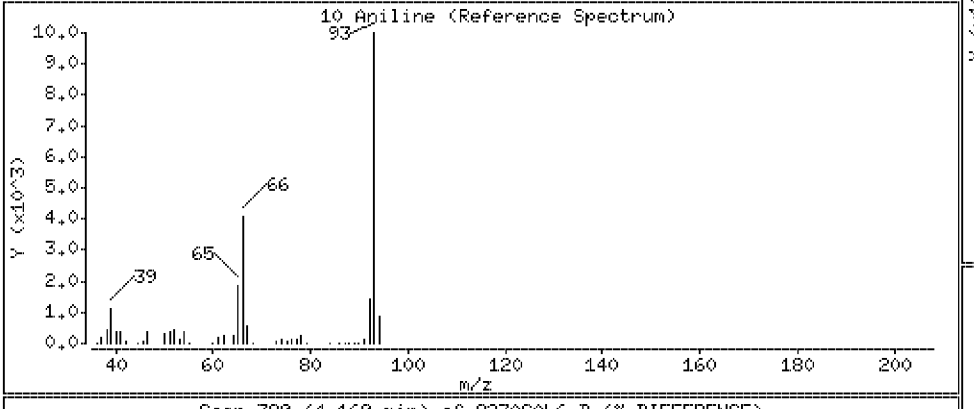
Column diameter: 0.25

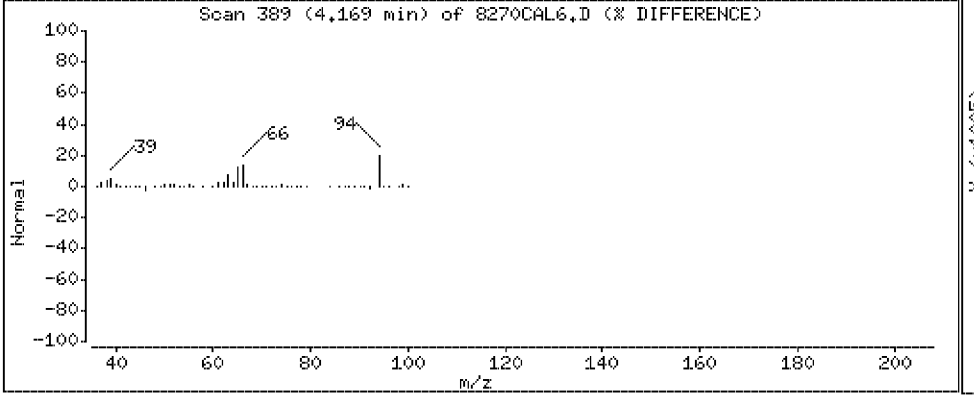
10 Aniline

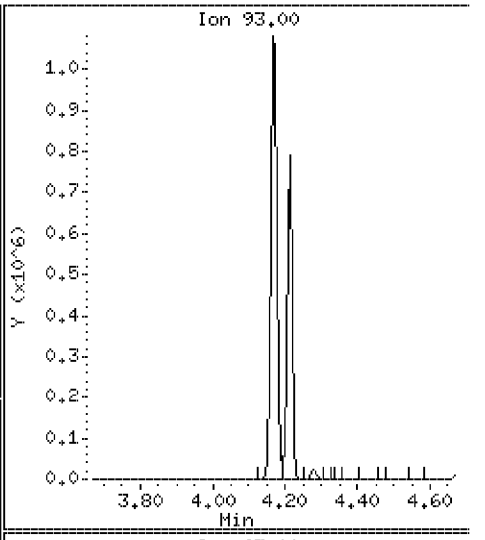
Concentration: 75.7 ug/l

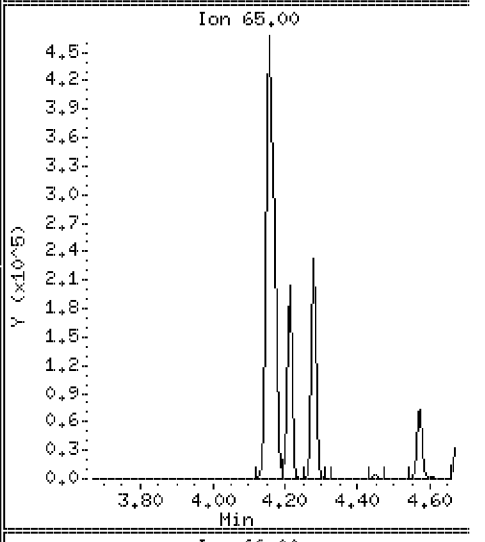


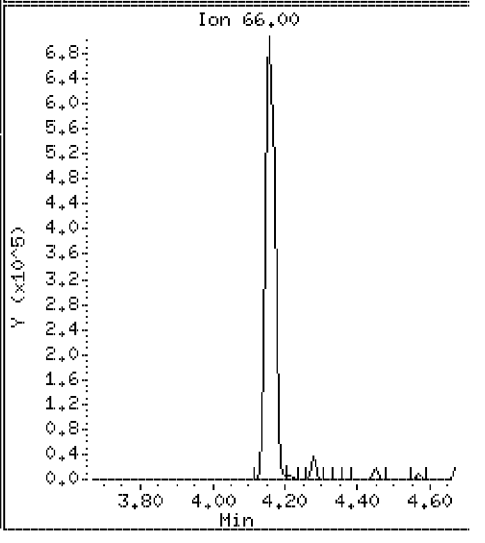












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

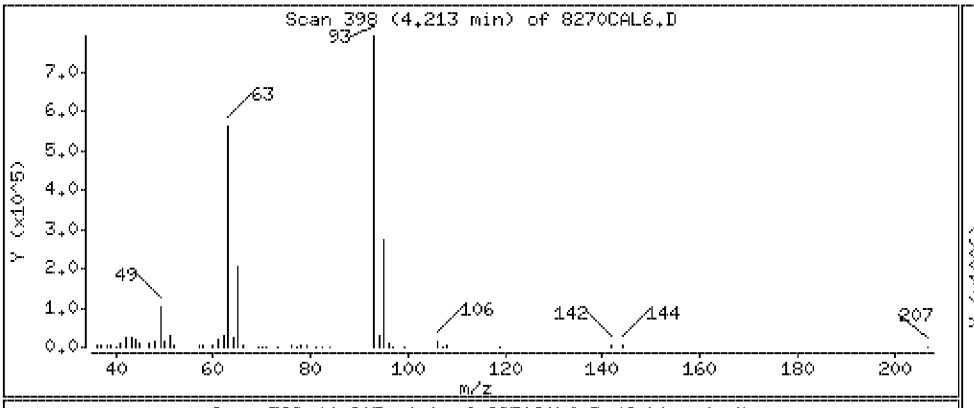
Client ID: 8270CAL6 Instrument: smsd03.i

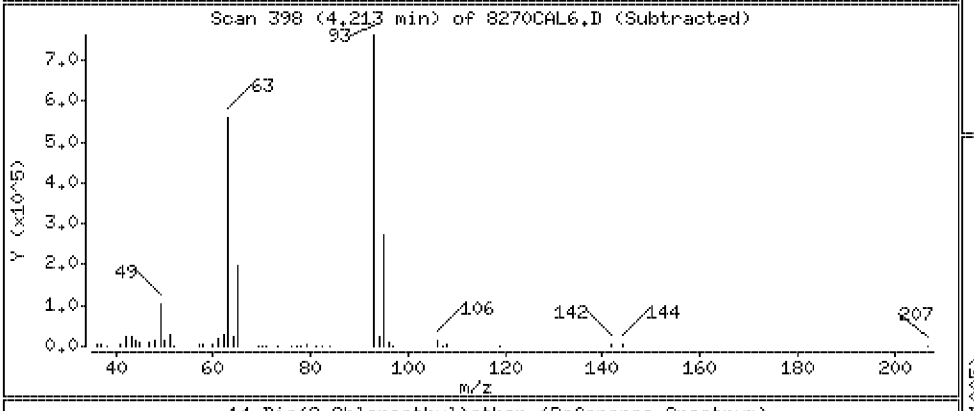
Sample Info: 45922

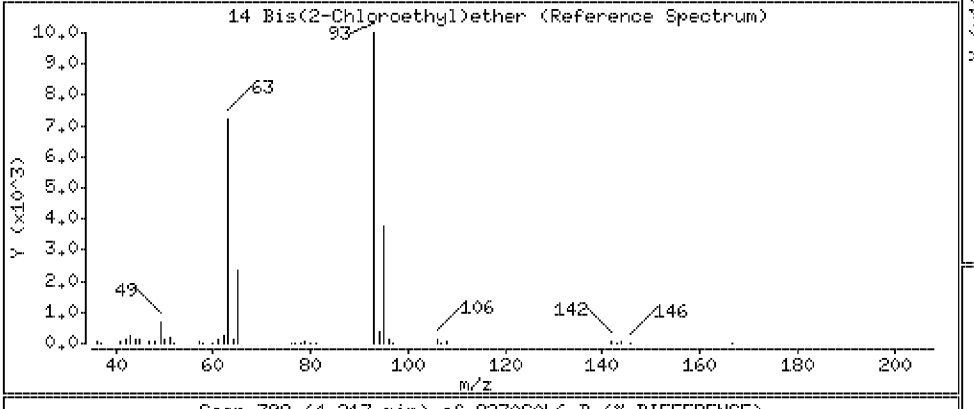
Purge Volume: 1000.0 Operator: PEL

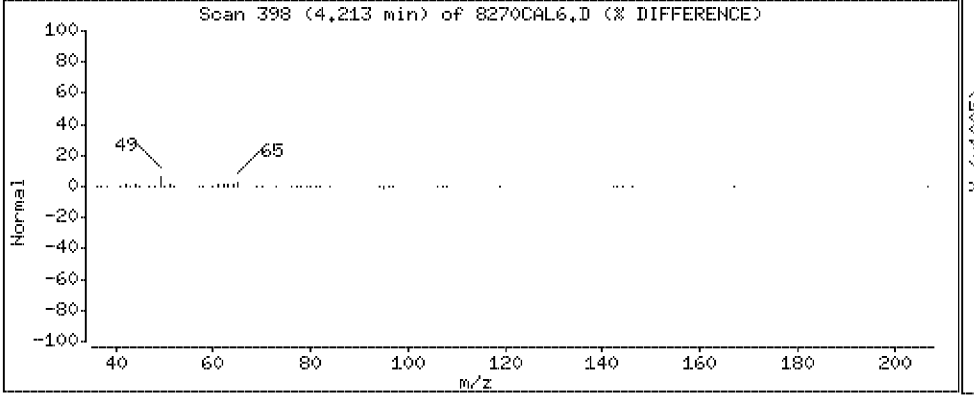
Column phase: HPMS-5 Column diameter: 0.25

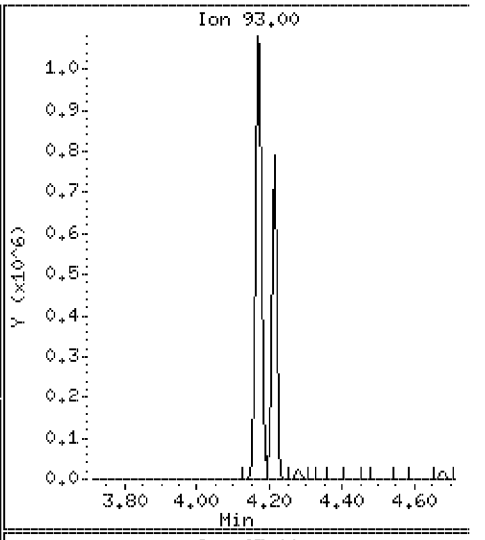
14 Bis(2-Chloroethyl)ether Concentration: 75.1 ug/l

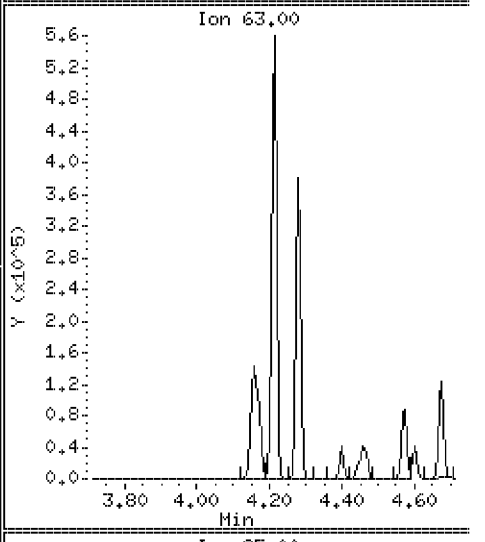


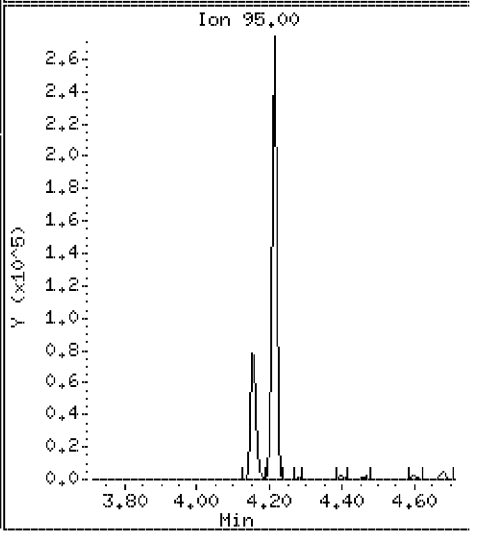












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

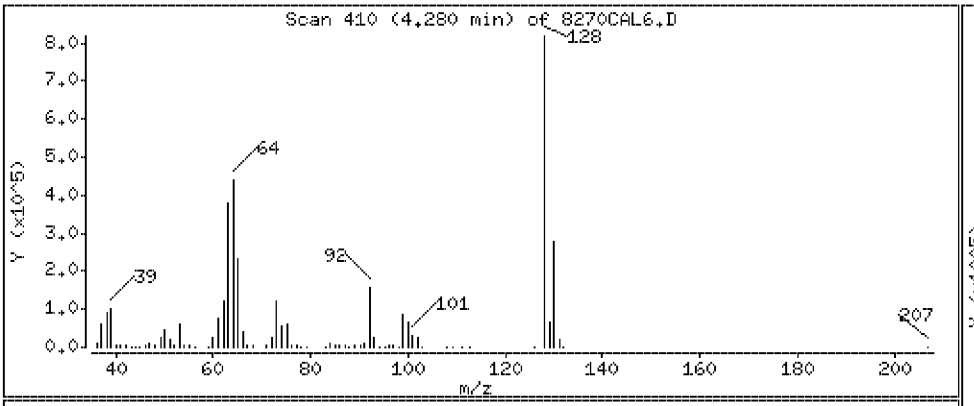
Operator: PEL

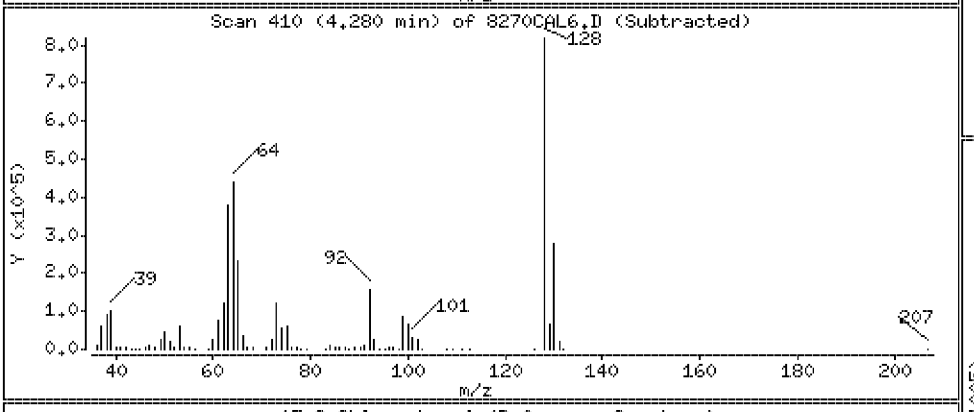
Column phase: HPMS-5

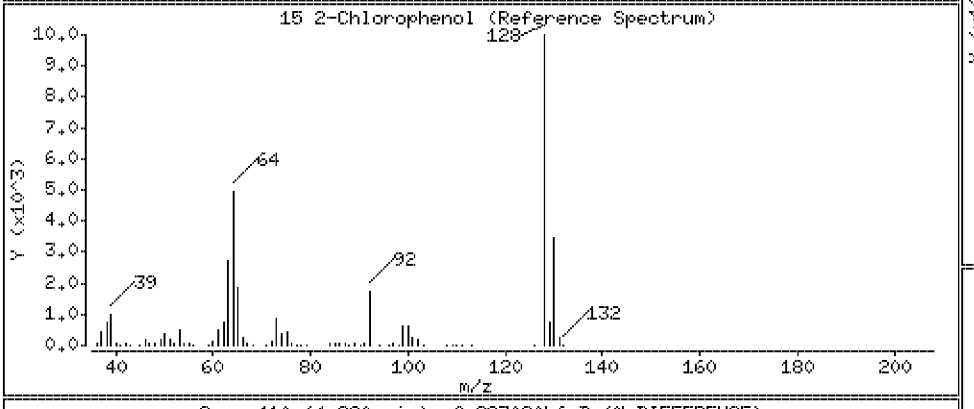
Column diameter: 0.25

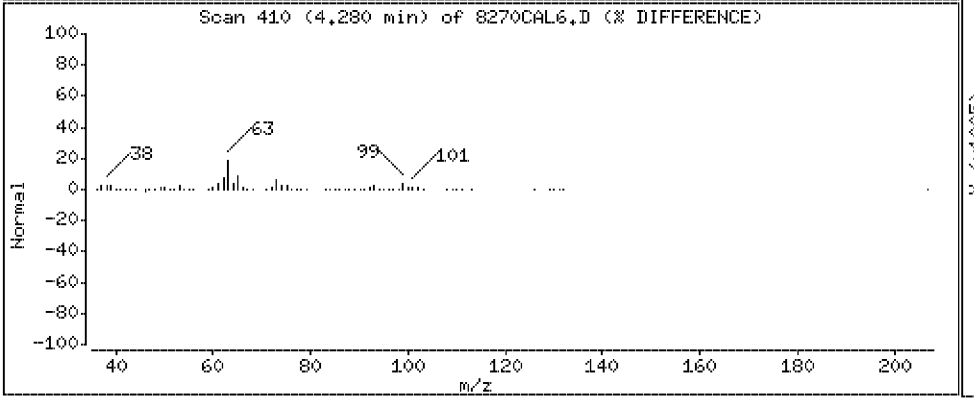
15 2-Chlorophenol

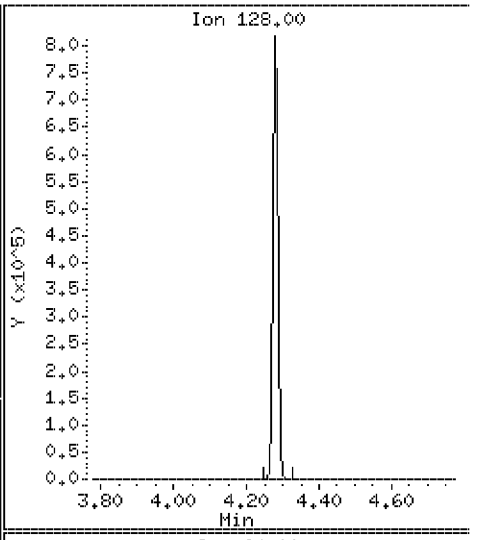
Concentration: 76.2 ug/l

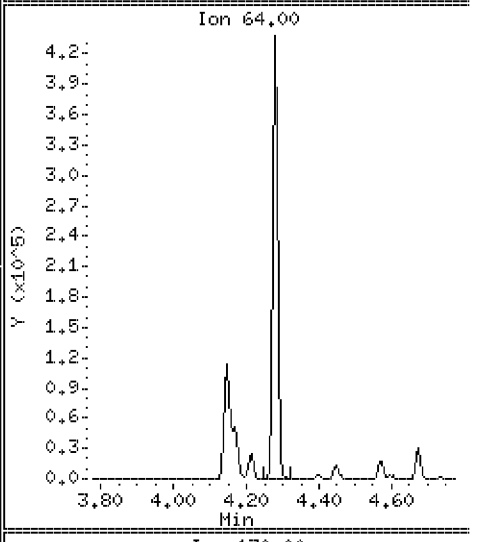


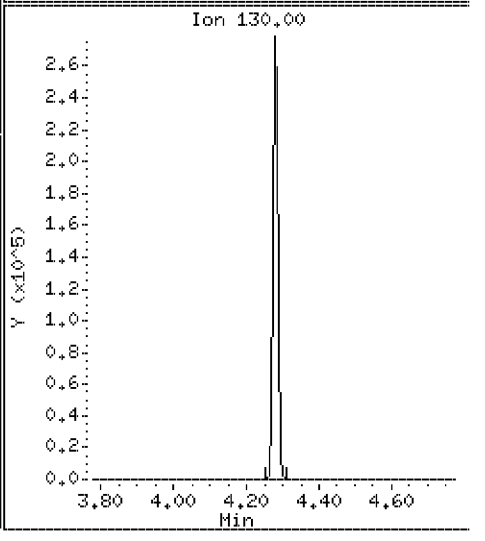












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

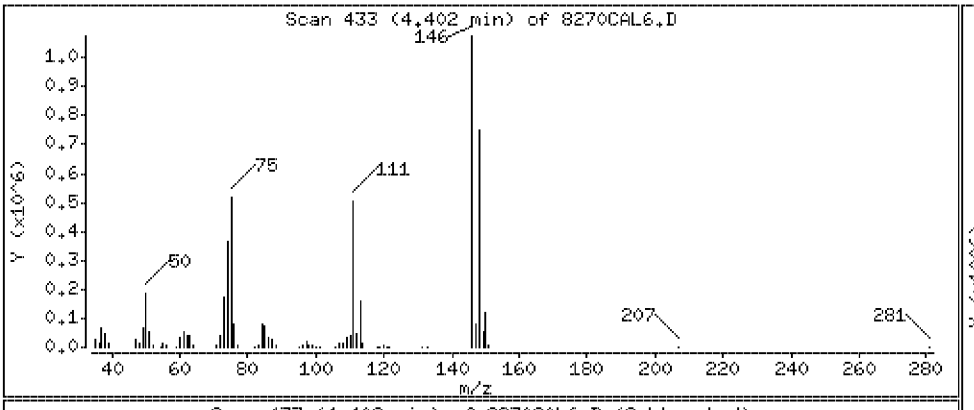
Operator: PEL

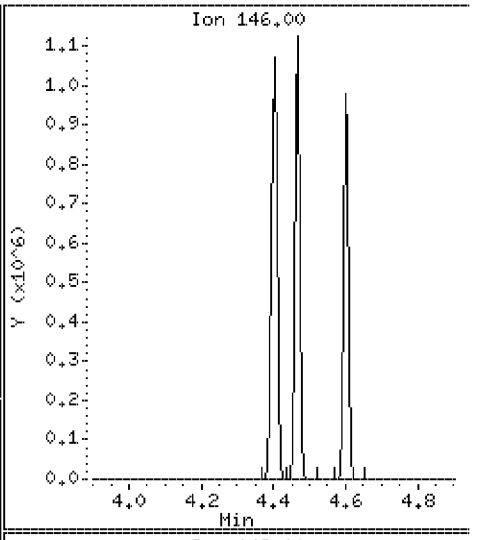
Column phase: HPMS-5

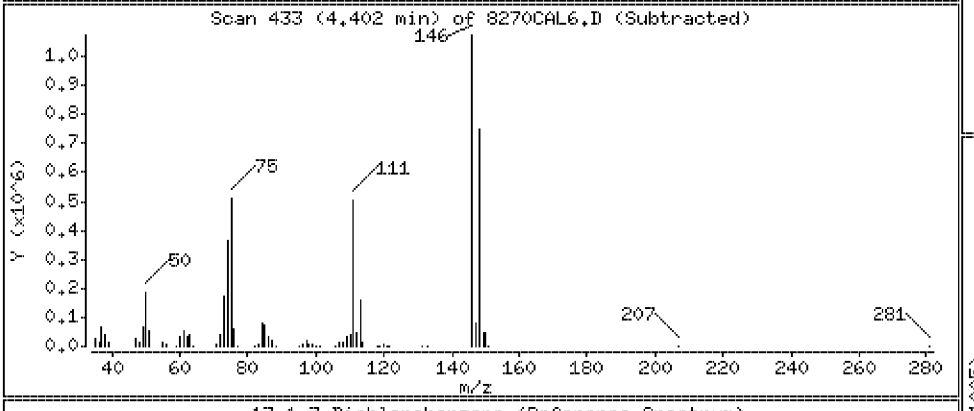
Column diameter: 0.25

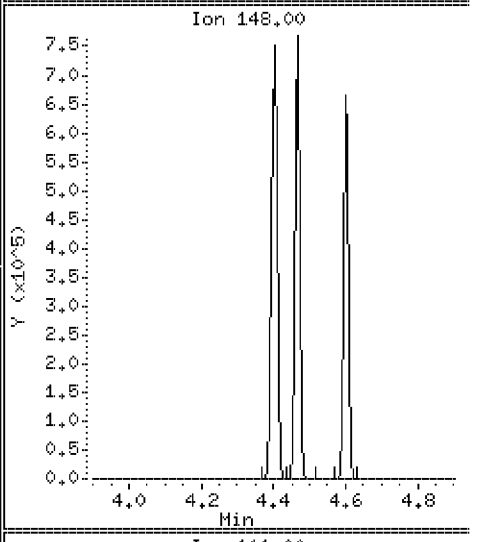
17 1,3-Dichlorobenzene

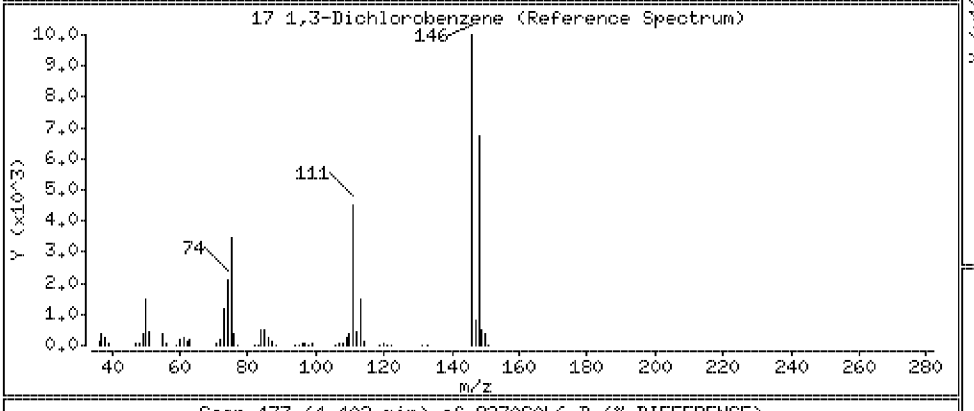
Concentration: 76.0 ug/l

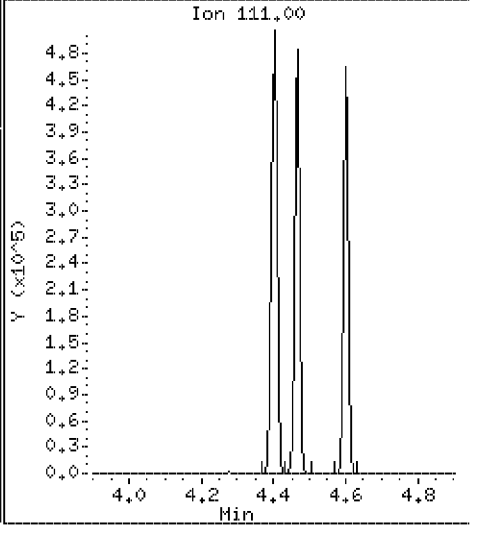


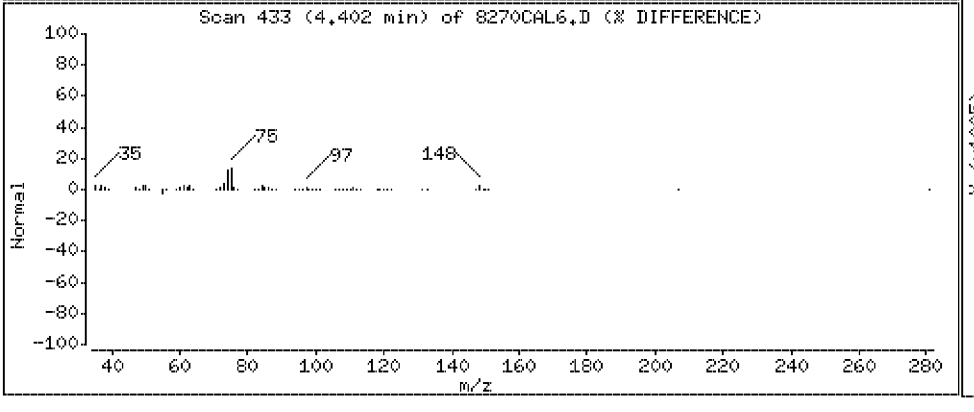












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

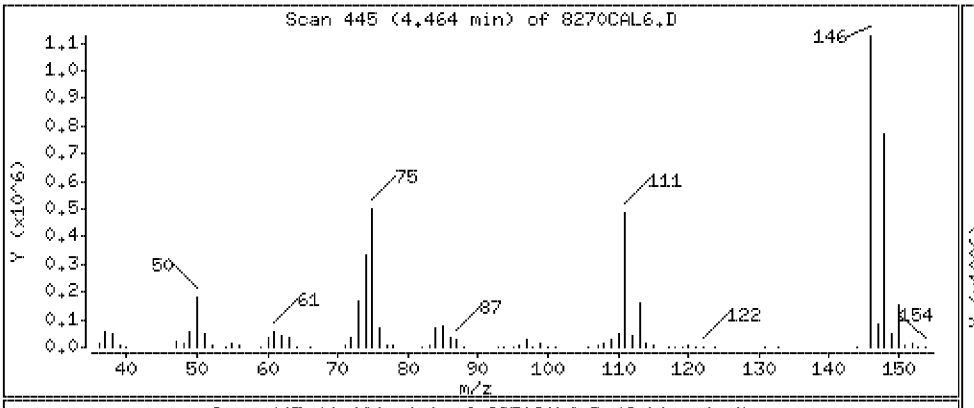
Operator: PEL

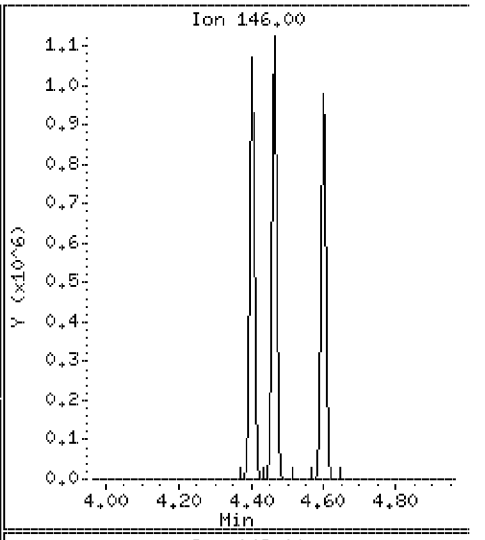
Column phase: HPMS-5

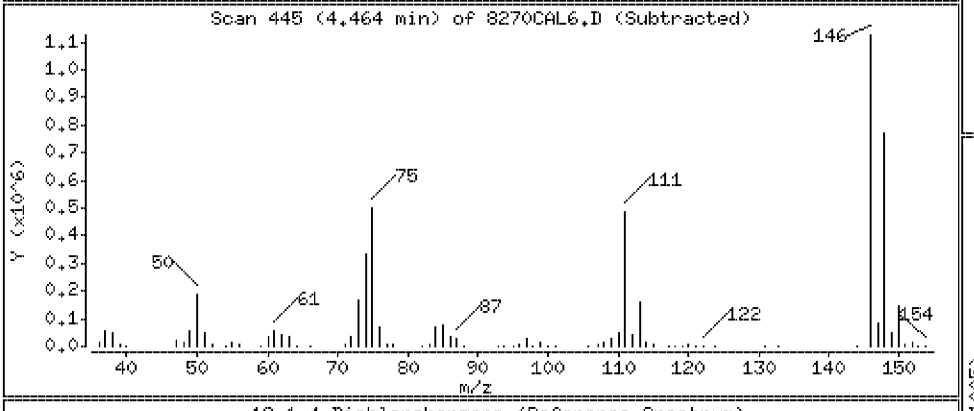
Column diameter: 0.25

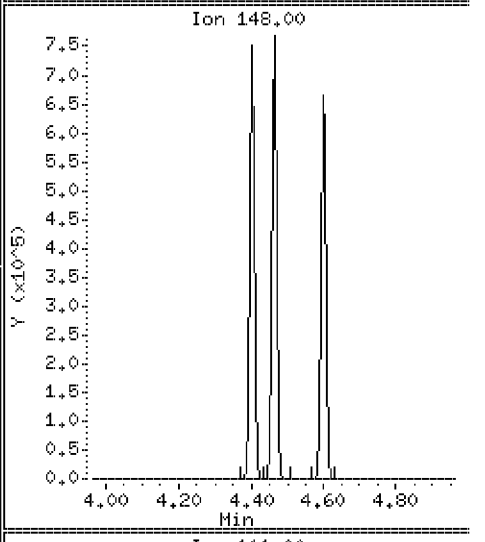
19 1,4-Dichlorobenzene

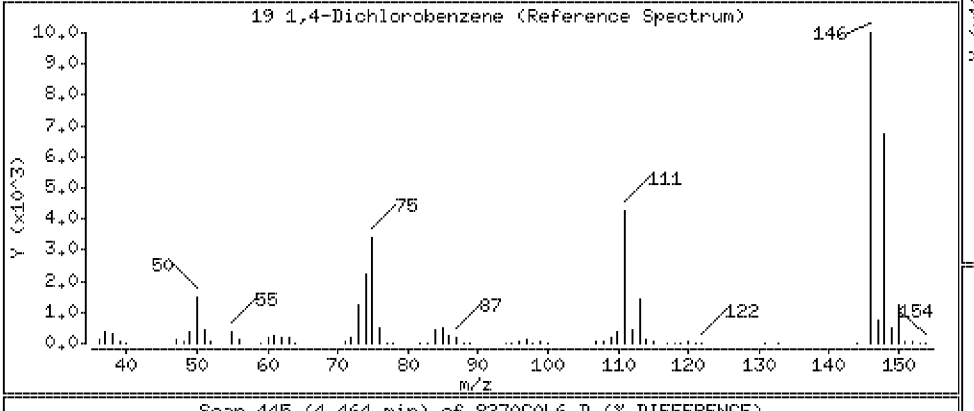
Concentration: 76.1 ug/l

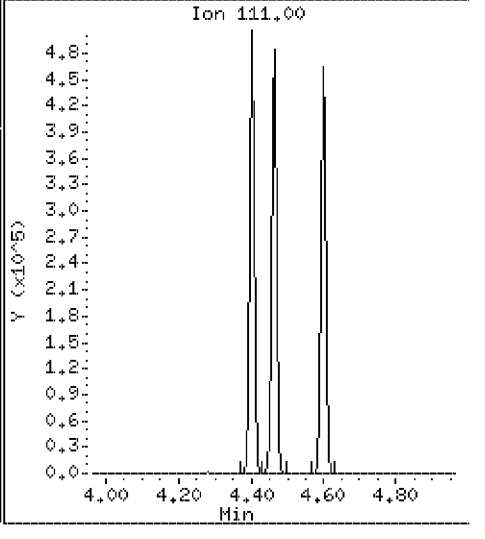


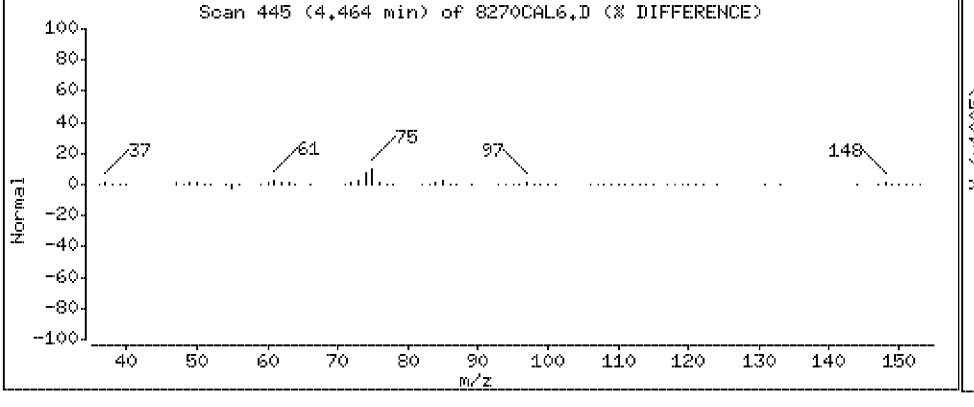












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

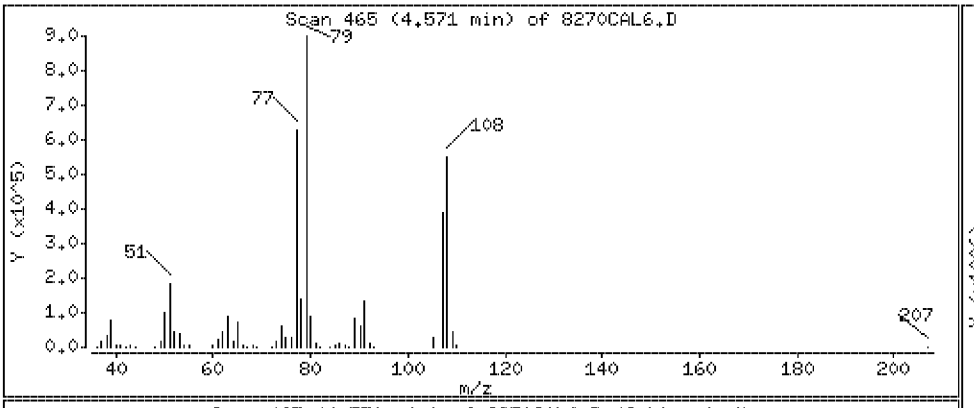
Operator: PEL

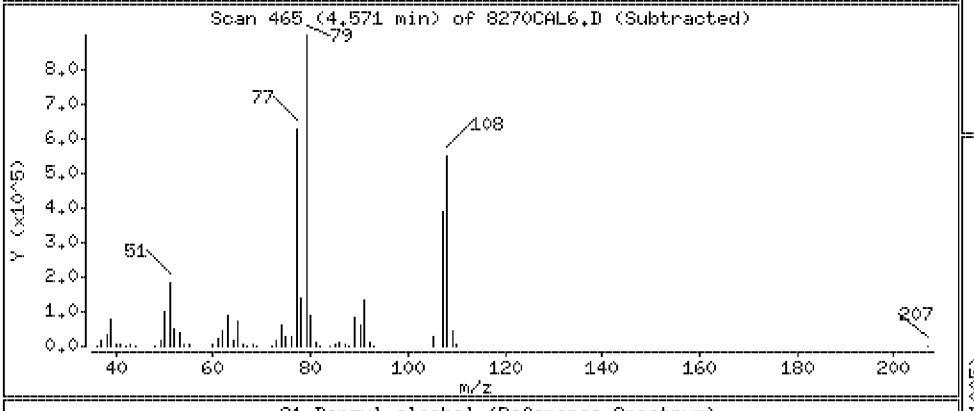
Column phase: HPMS-5

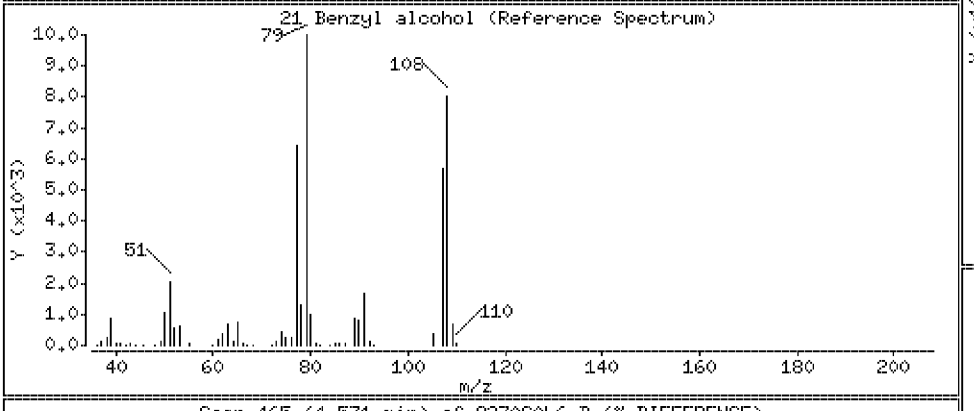
Column diameter: 0.25

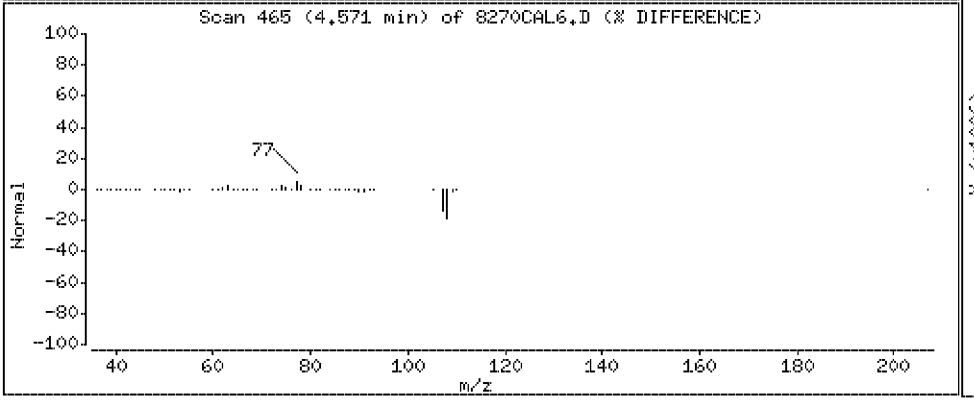
21 Benzyl alcohol

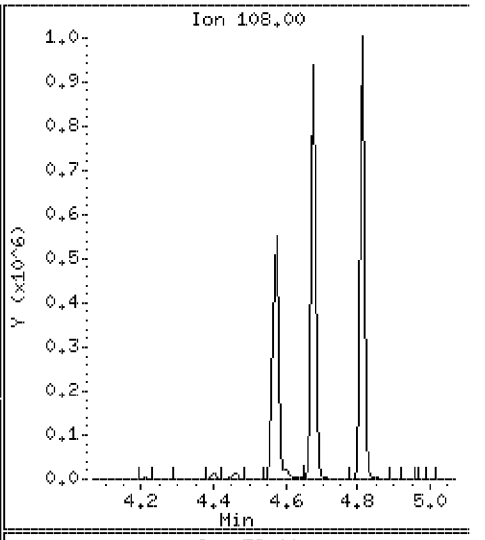
Concentration: 79.3 ug/l

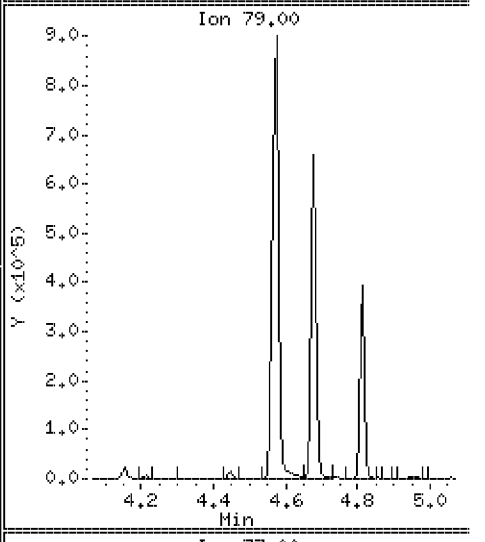


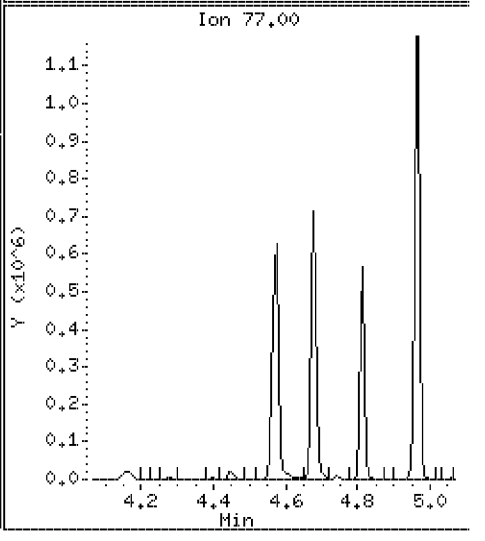












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

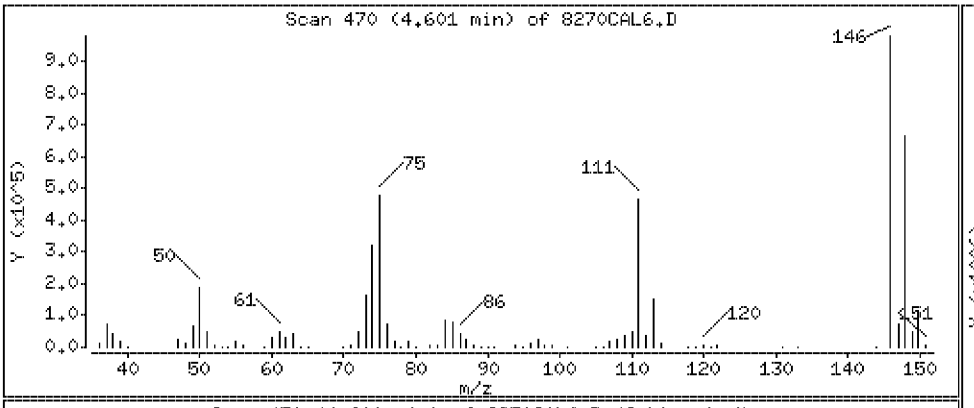
Operator: PEL

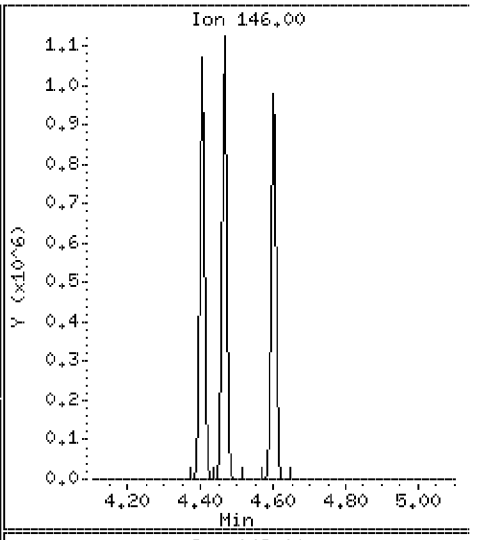
Column phase: HPMS-5

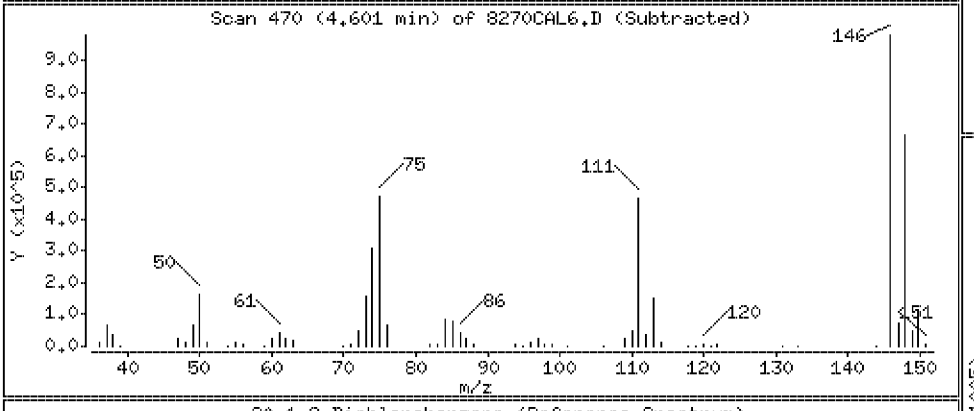
Column diameter: 0.25

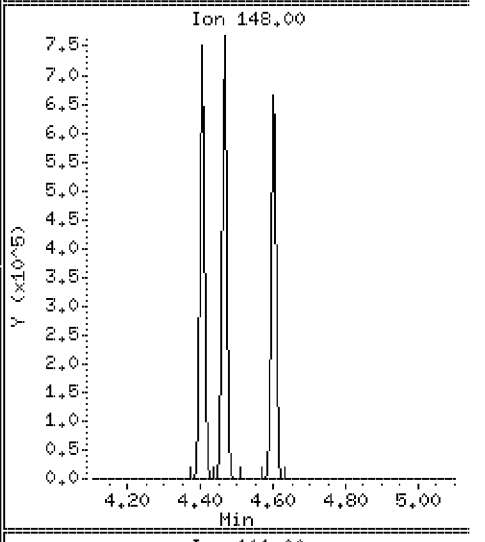
20 1,2-Dichlorobenzene

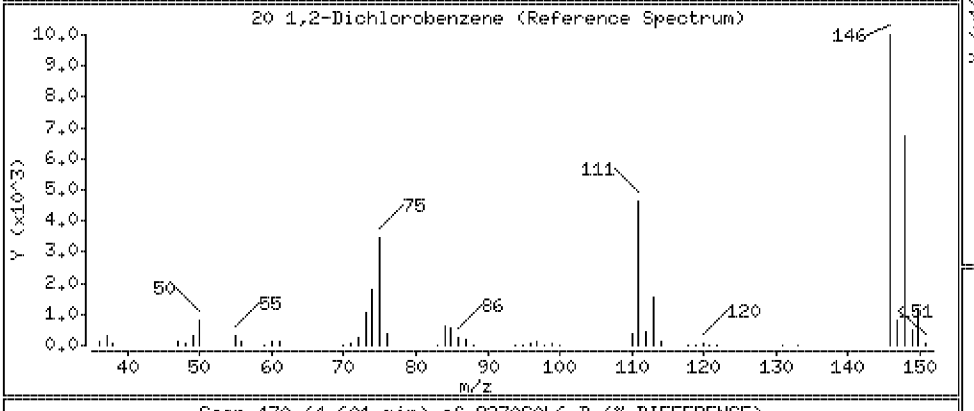
Concentration: 76.1 ug/l

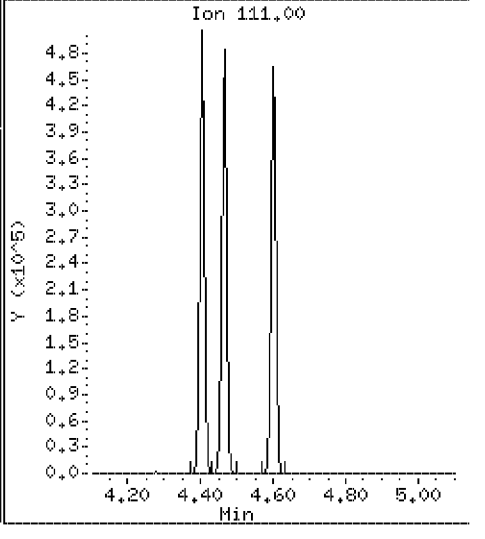


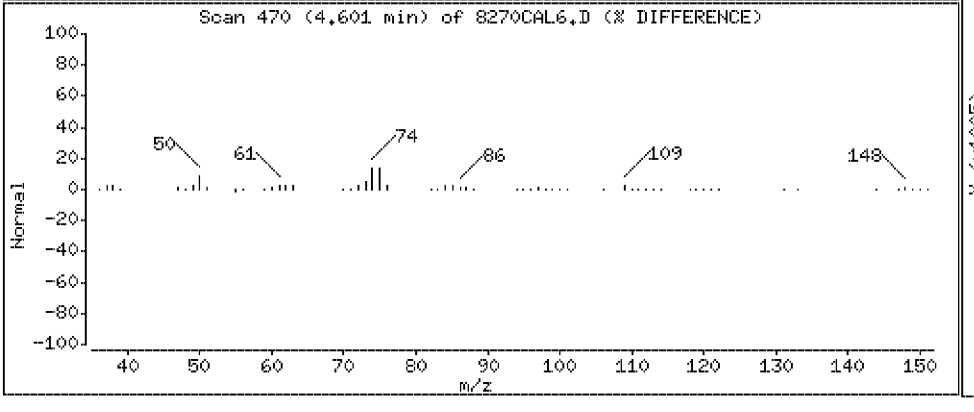












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

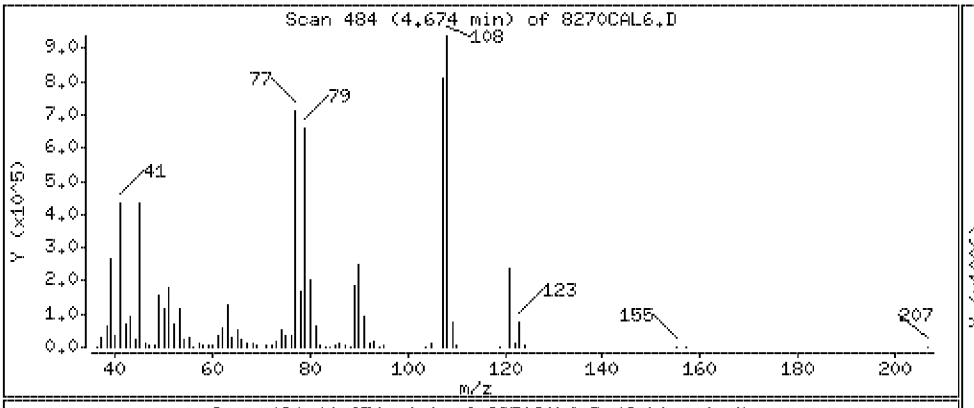
Operator: PEL

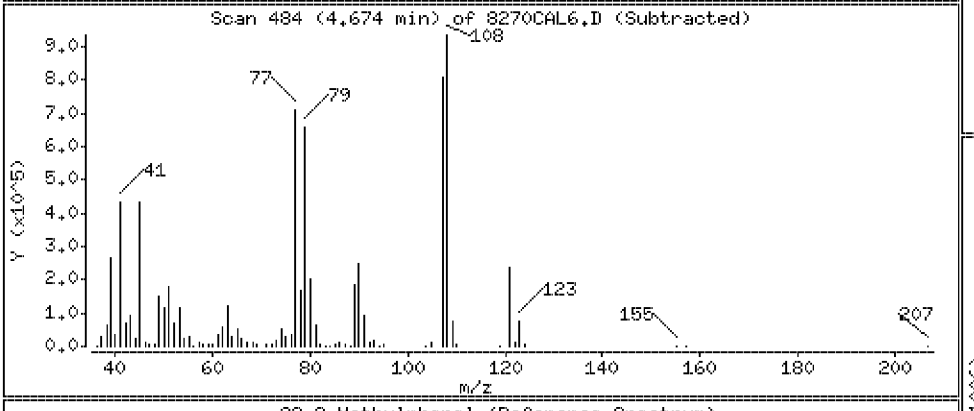
Column phase: HPMS-5

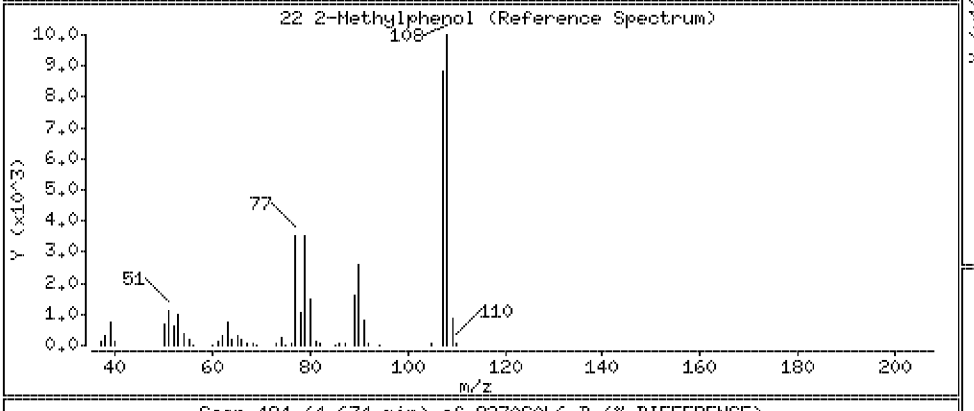
Column diameter: 0.25

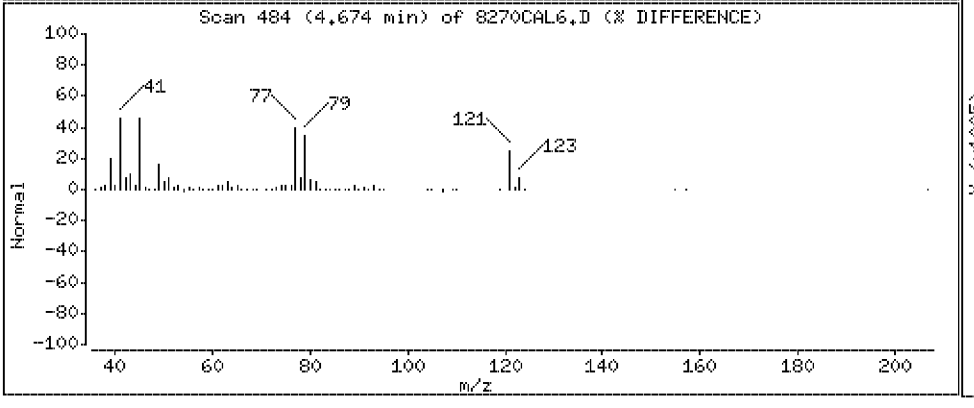
22 2-Methylphenol

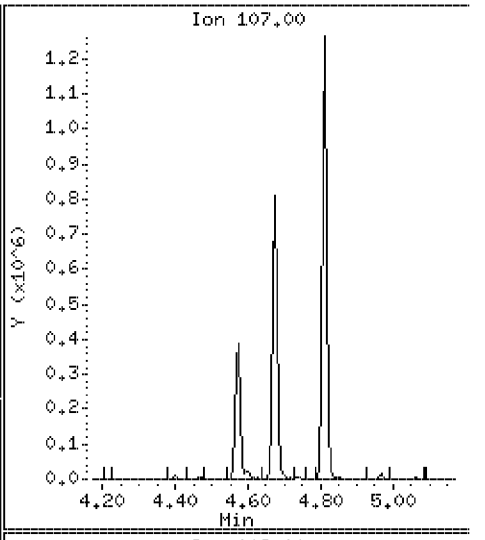
Concentration: 78.5 ug/l

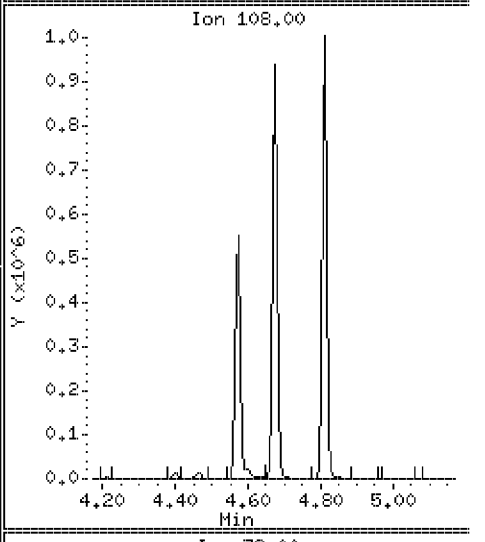


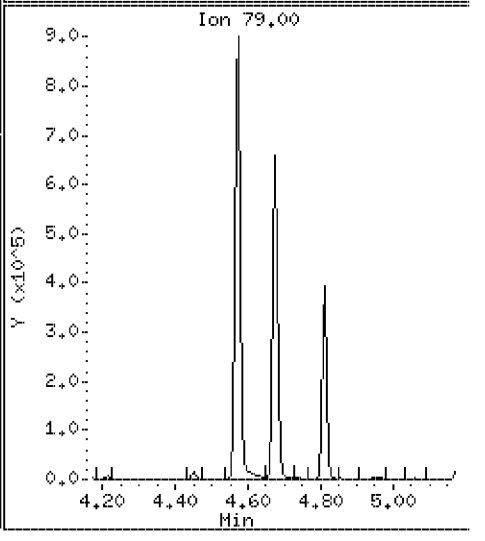












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

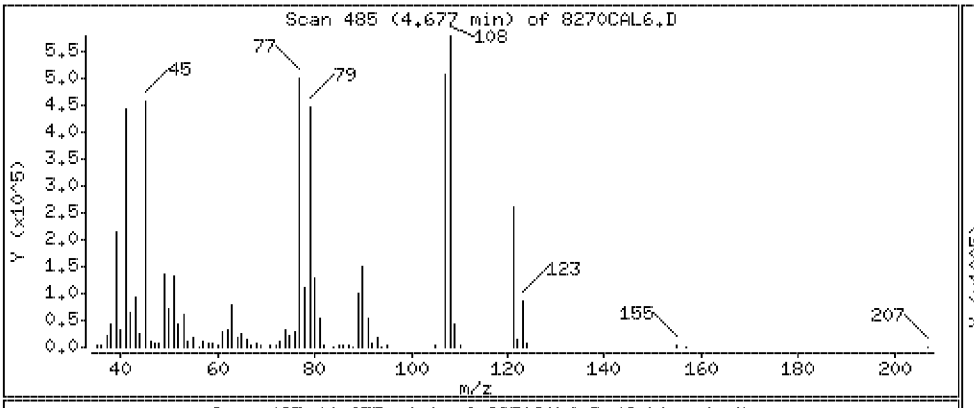
Operator: PEL

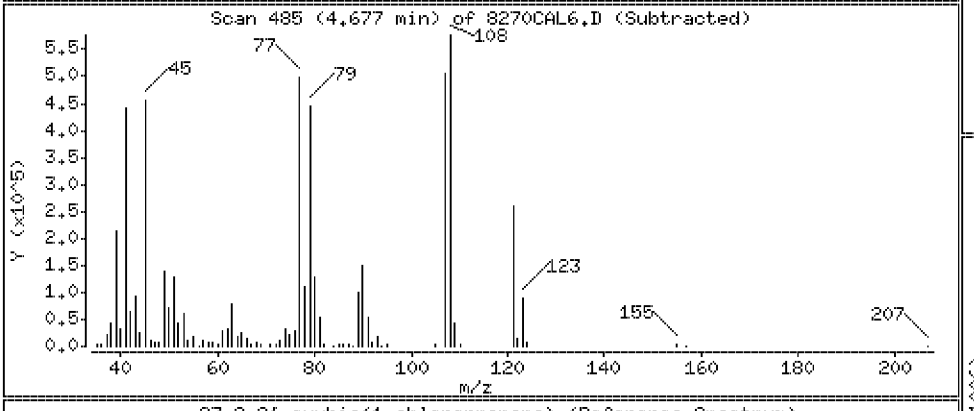
Column phase: HPMS-5

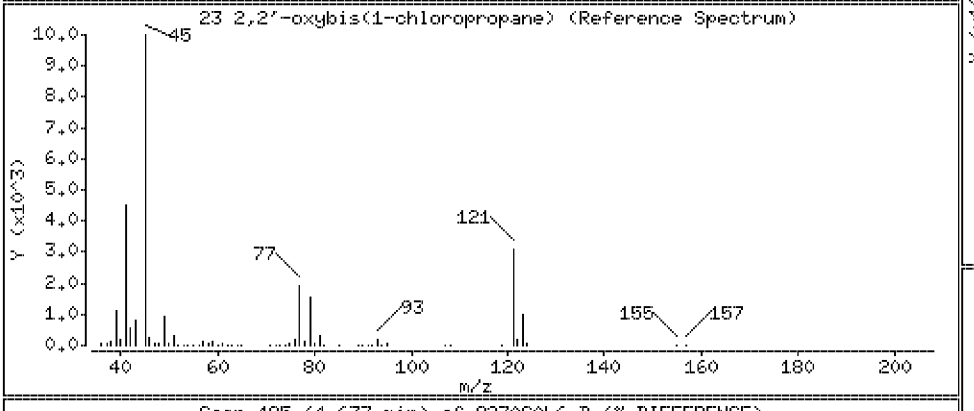
Column diameter: 0.25

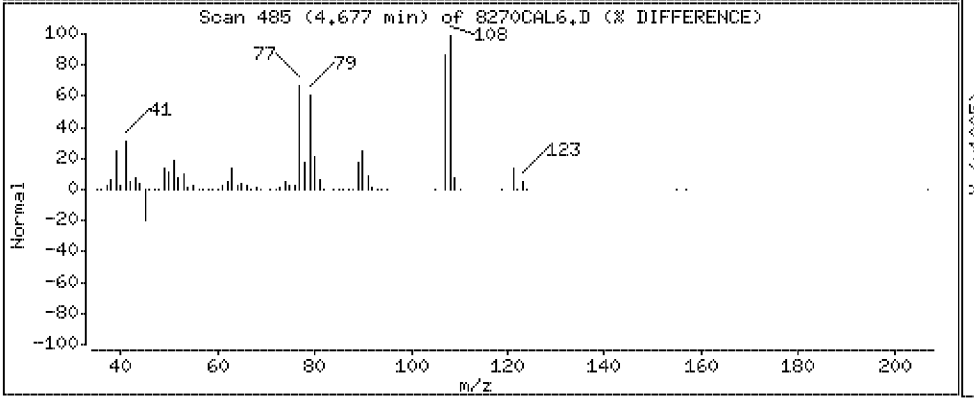
23 2,2'-oxybis(1-chloropropane)

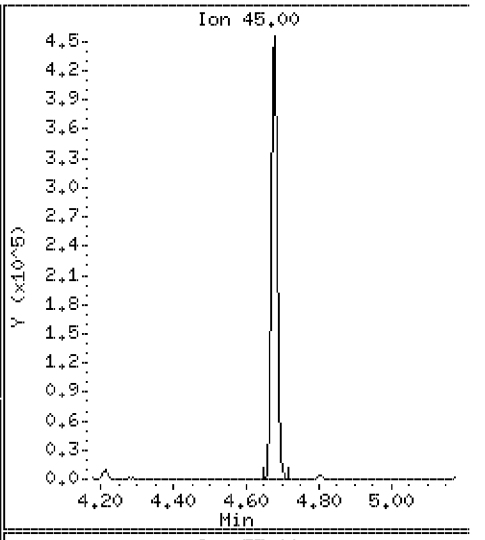
Concentration: 75.2 ug/l

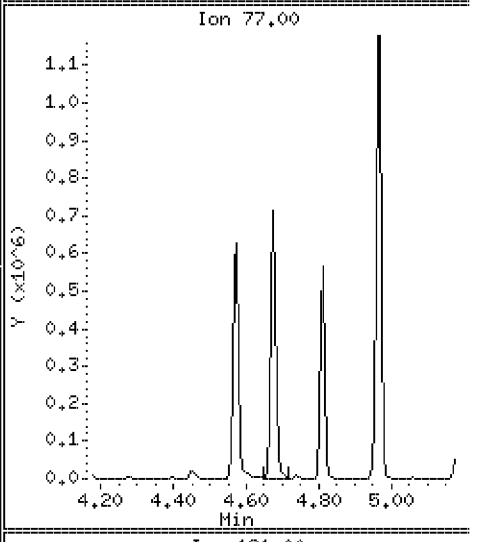


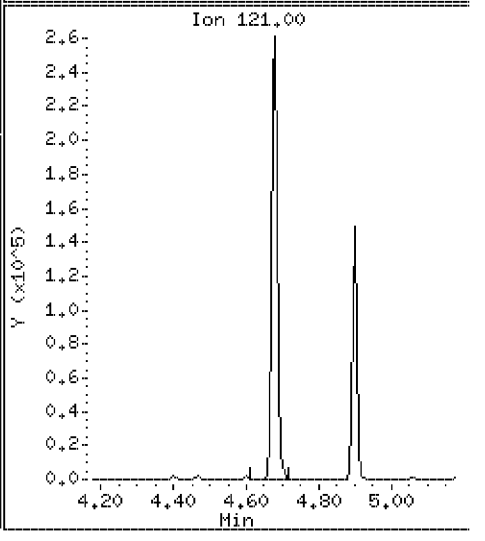












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

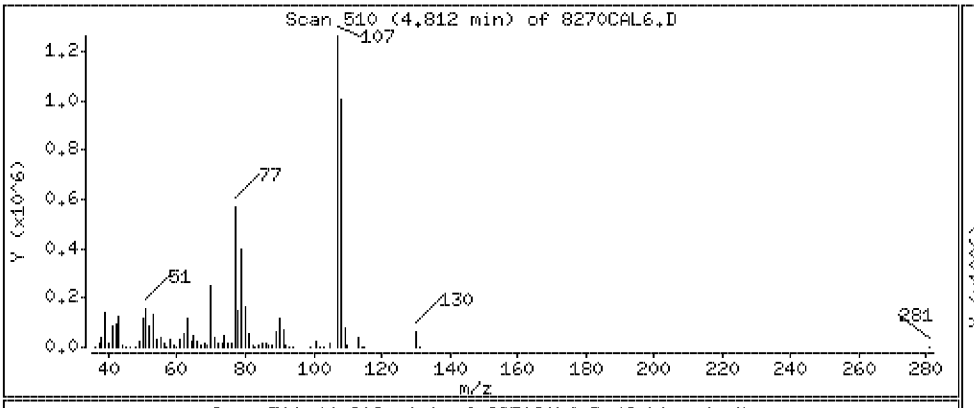
Operator: PEL

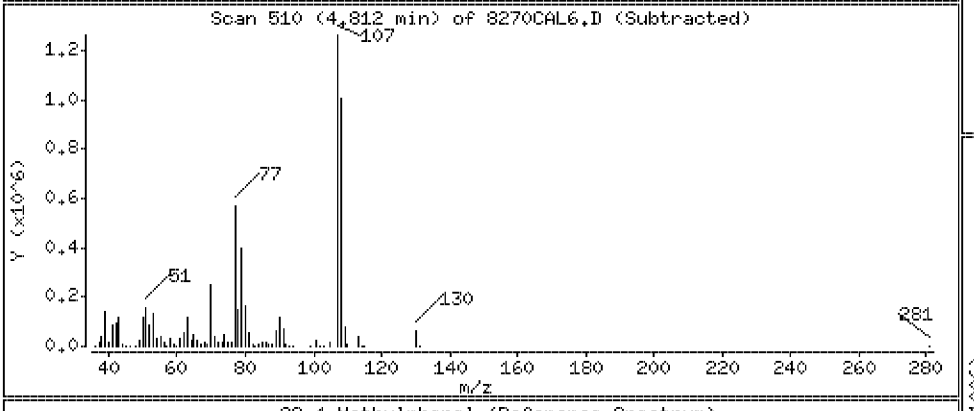
Column phase: HPMS-5

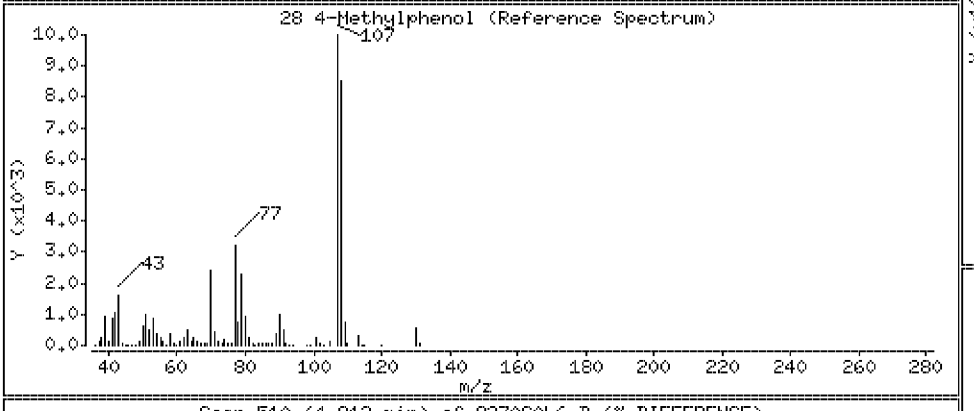
Column diameter: 0.25

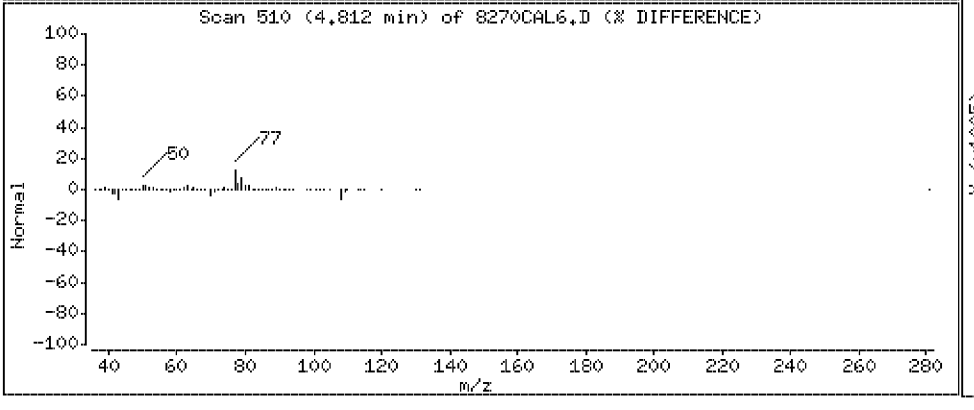
28 4-Methylphenol

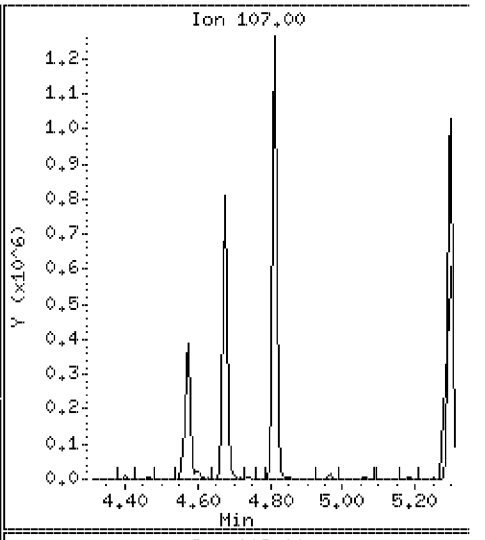
Concentration: 79.4 ug/l

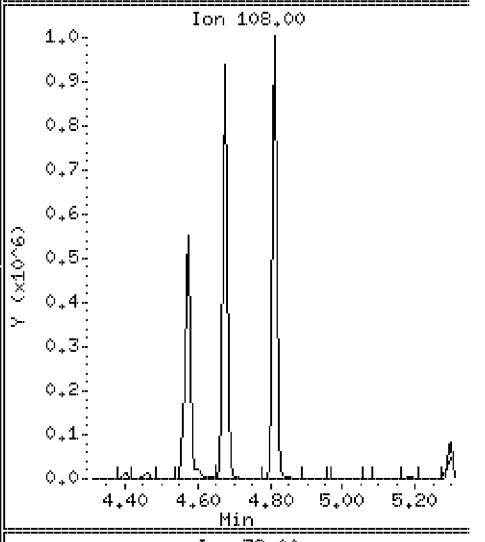


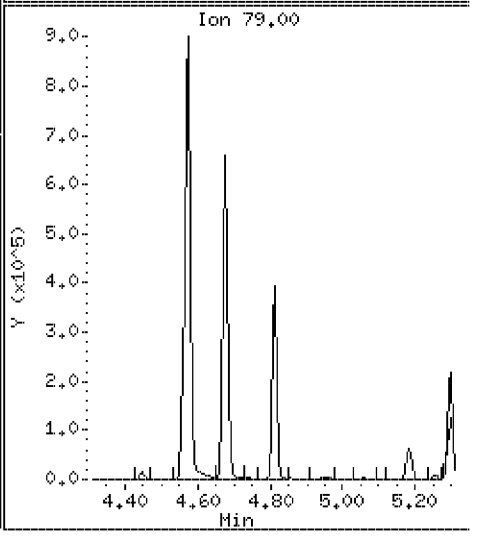












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

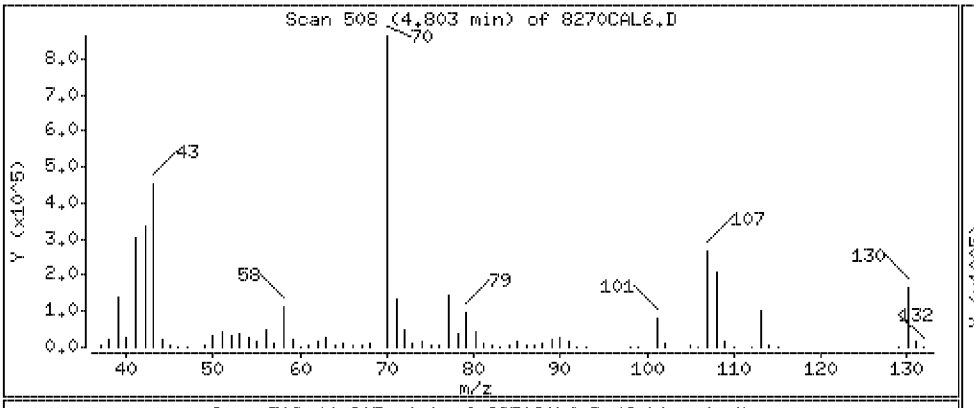
Operator: PEL

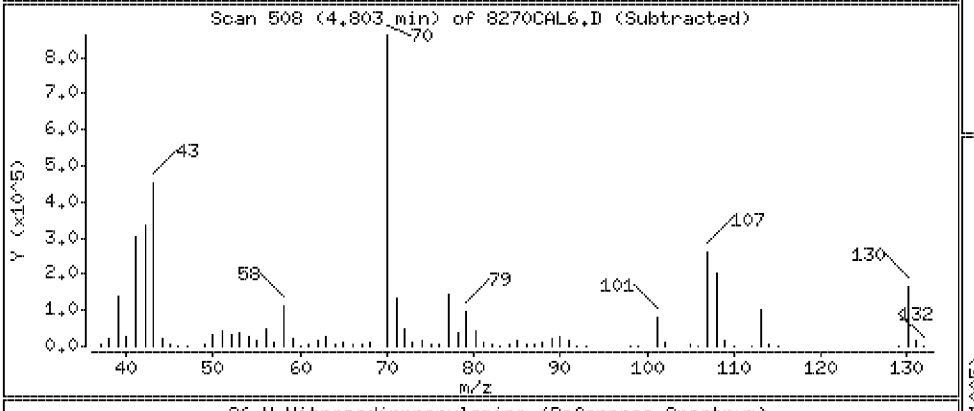
Column phase: HPMS-5

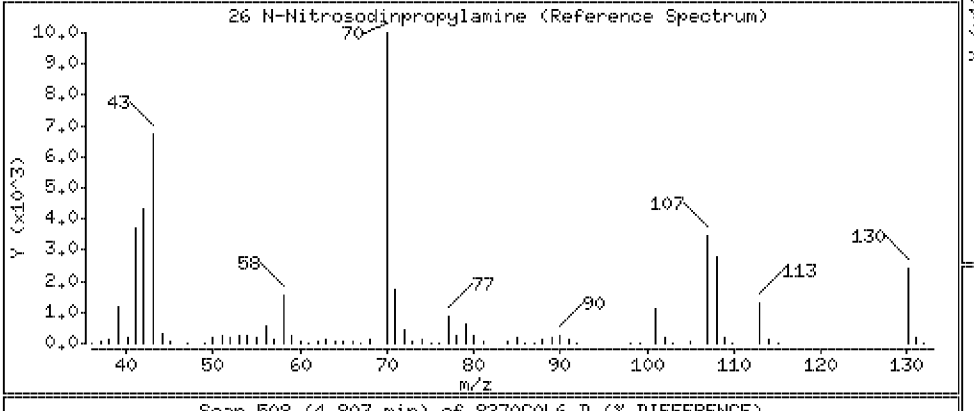
Column diameter: 0.25

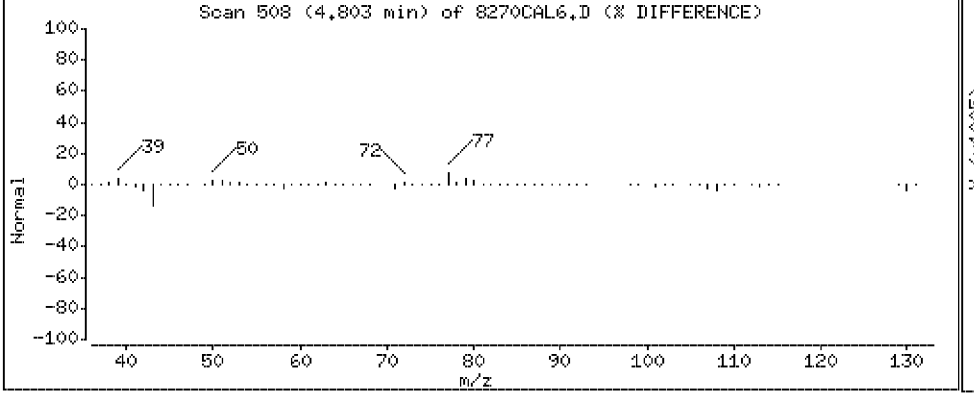
26 N-Nitrosodinpropylamine

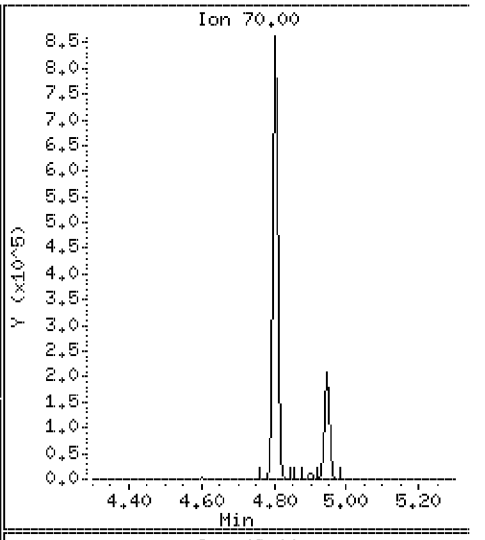
Concentration: 76.8 ug/l

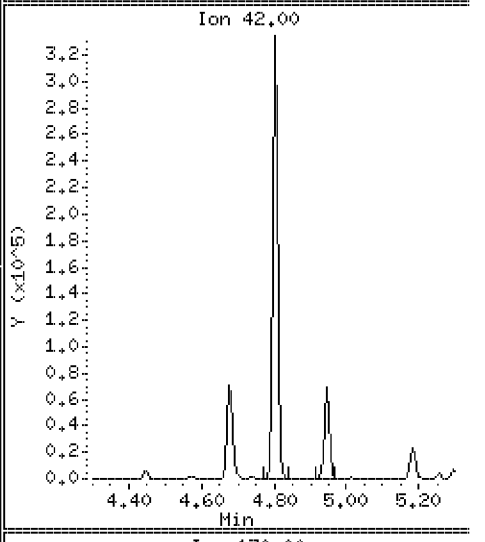


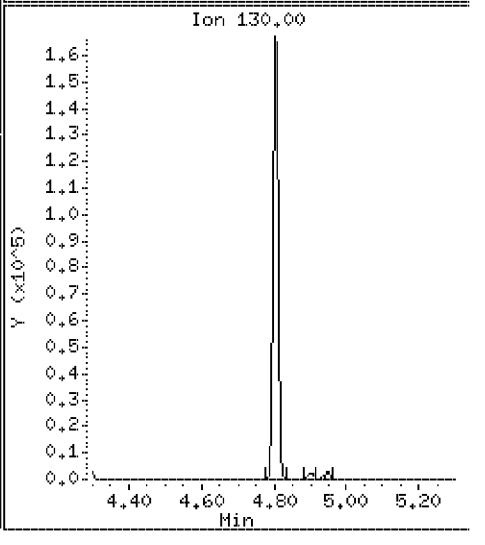












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

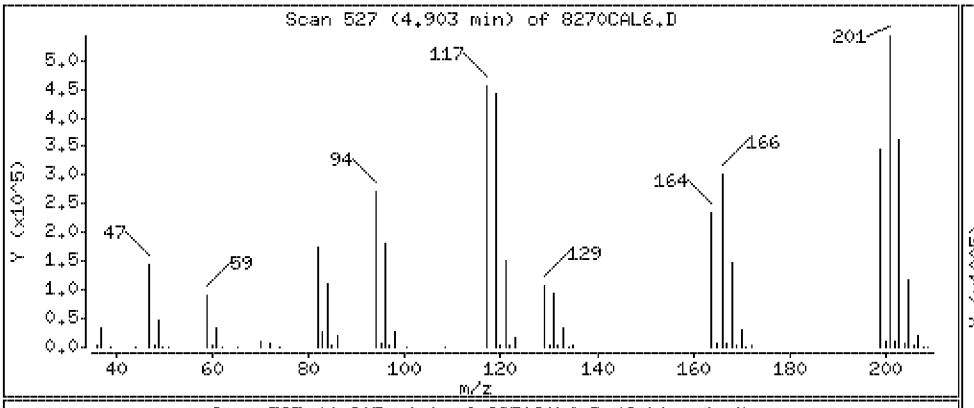
Operator: PEL

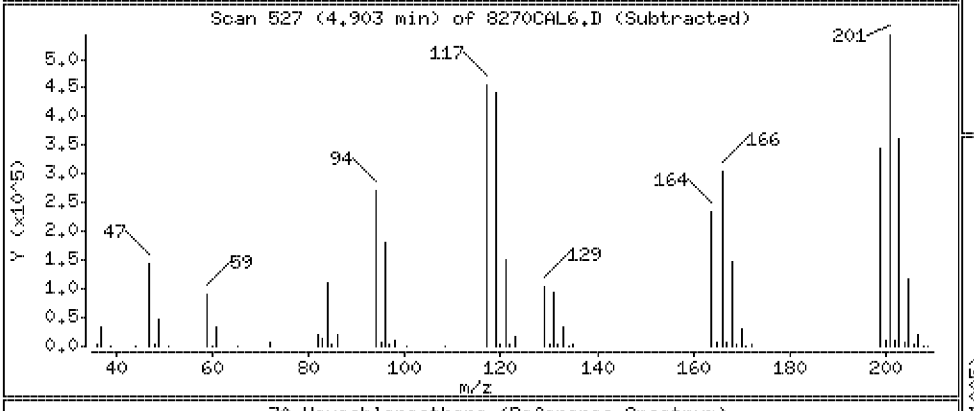
Column phase: HPMS-5

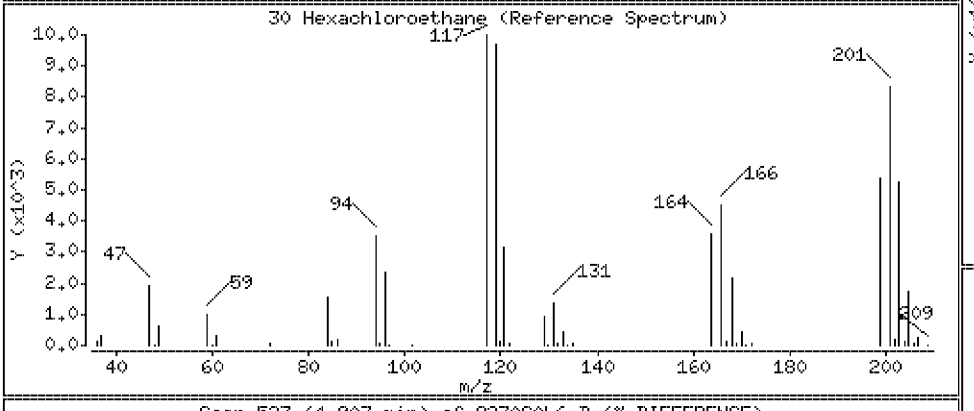
Column diameter: 0.25

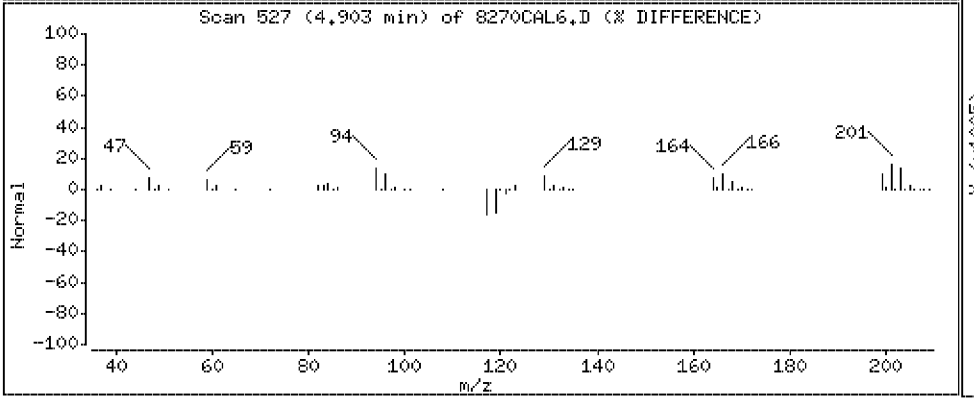
30 Hexachloroethane

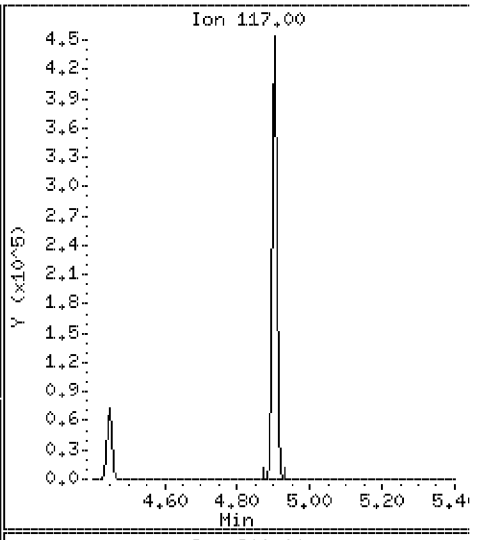
Concentration: 76.4 ug/l

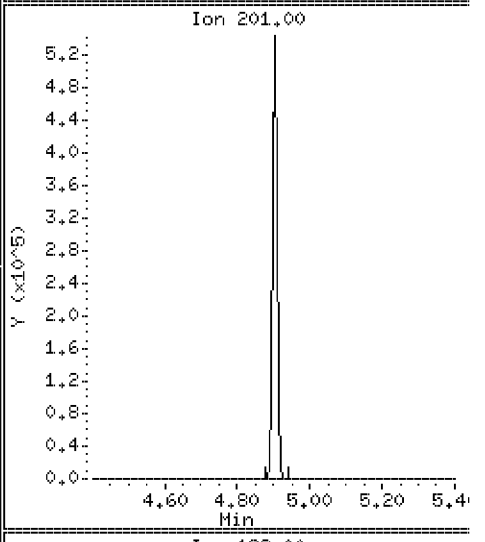


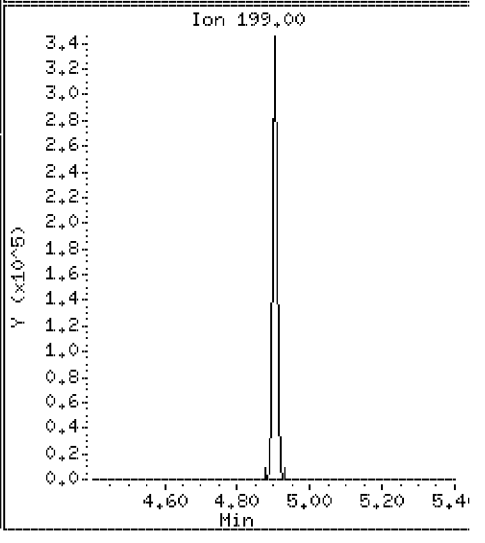












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

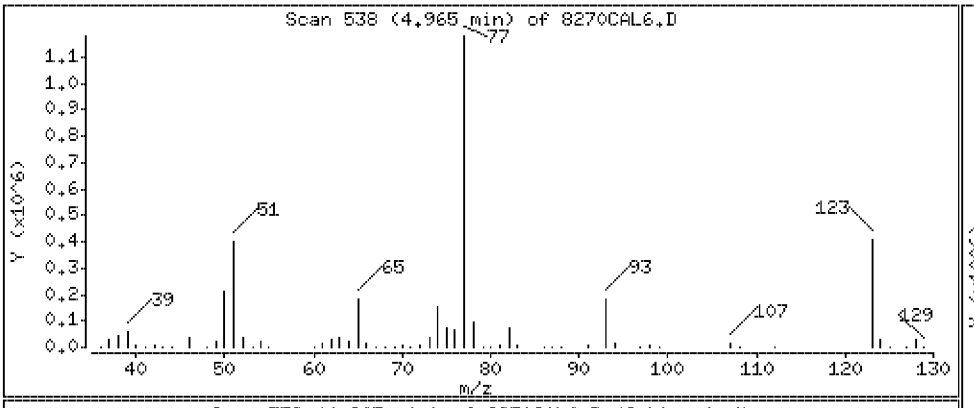
Operator: PEL

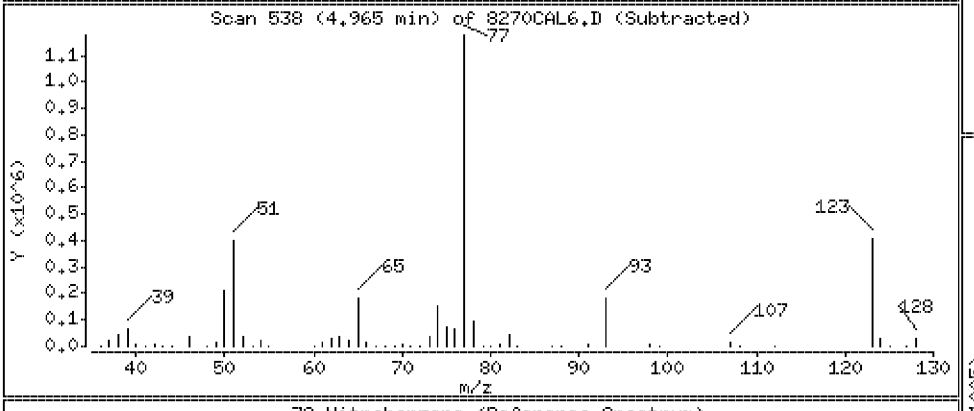
Column phase: HPMS-5

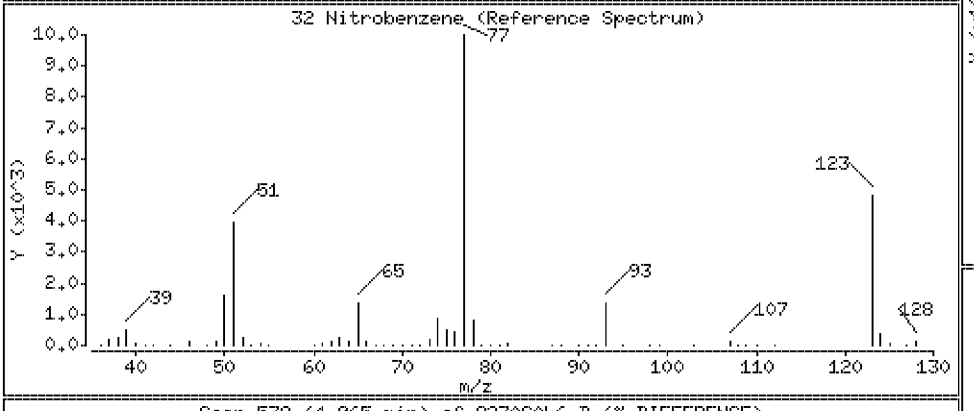
Column diameter: 0.25

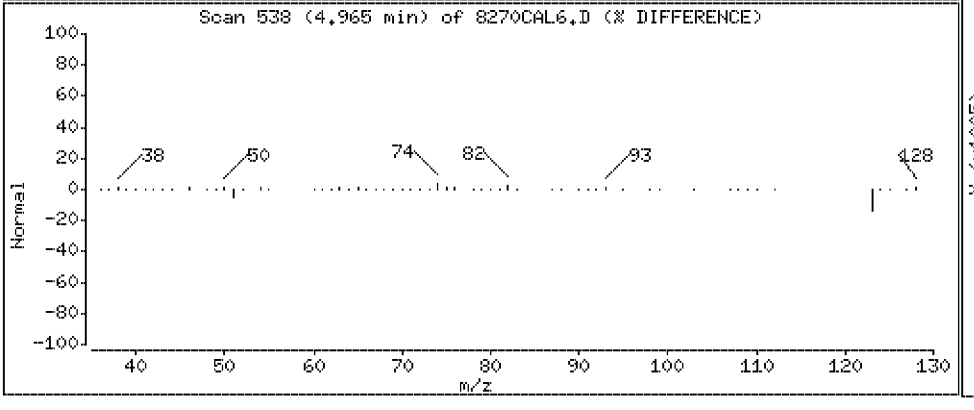
32 Nitrobenzene

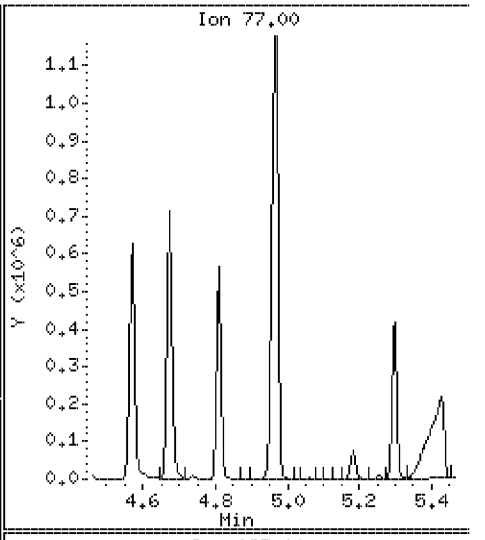
Concentration: 75.8 ug/l

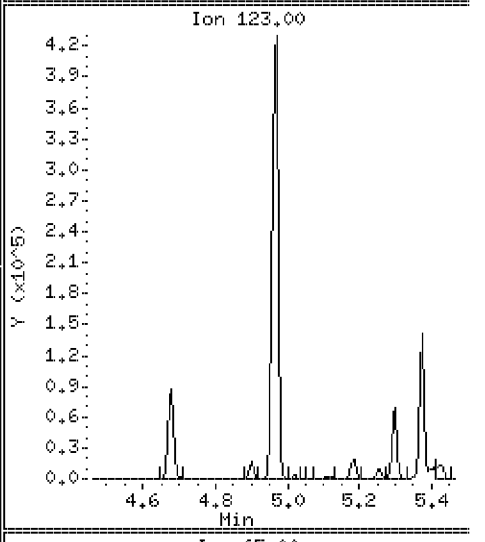


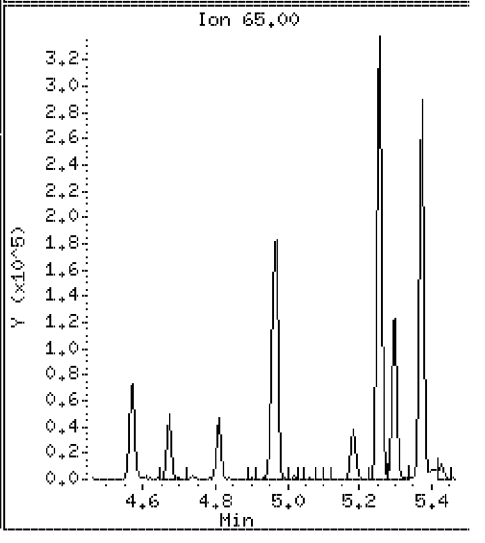












Date : 23-APR-2012 10:47

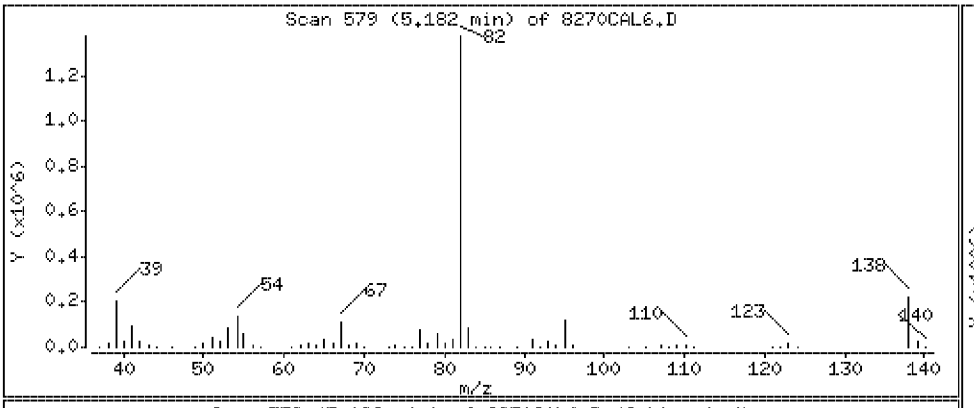
Client ID: 8270CAL6 Instrument: smsd03.i

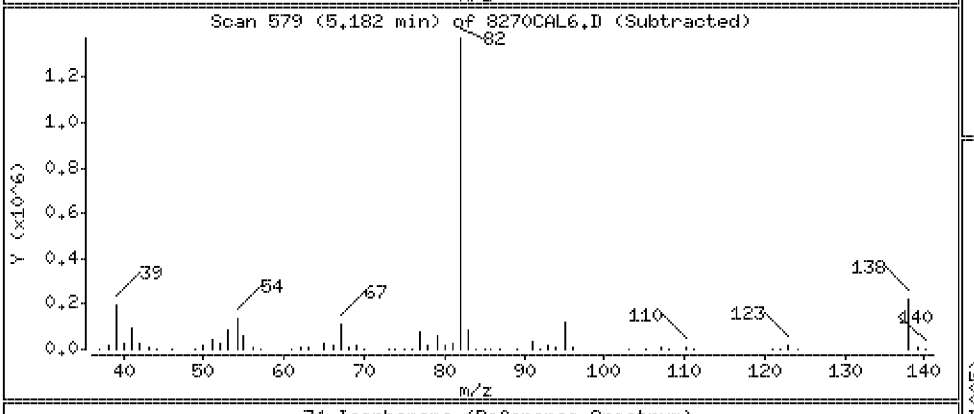
Sample Info: 45922

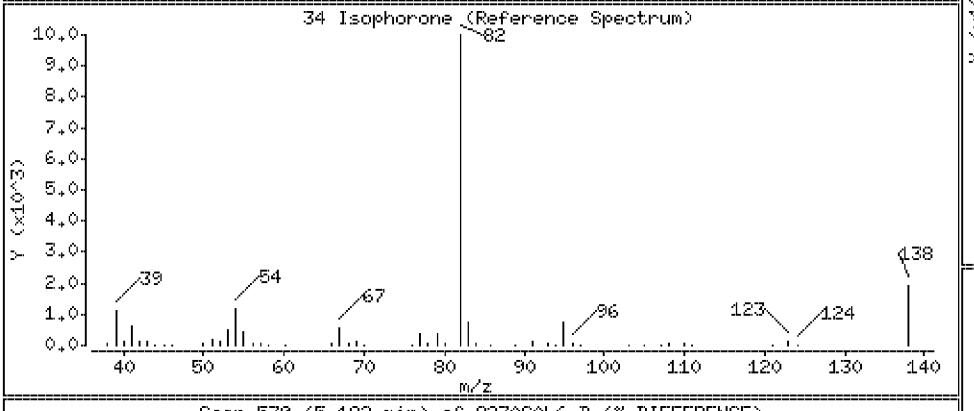
Purge Volume: 1000.0 Operator: PEL

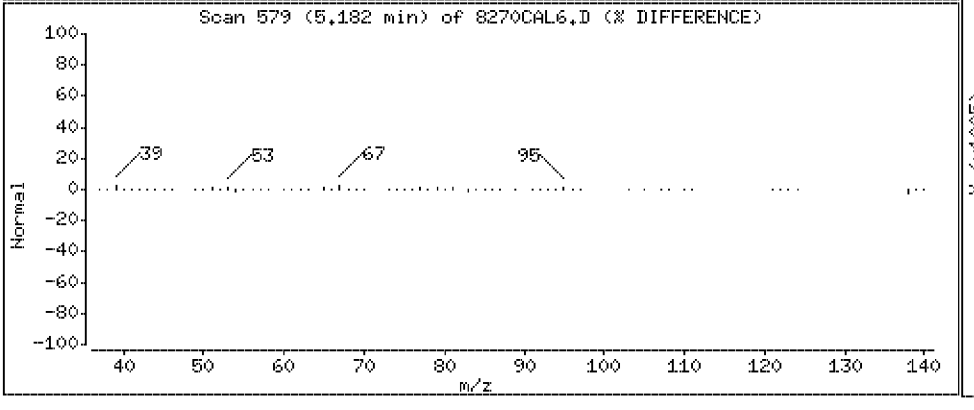
Column phase: HPMS-5 Column diameter: 0.25

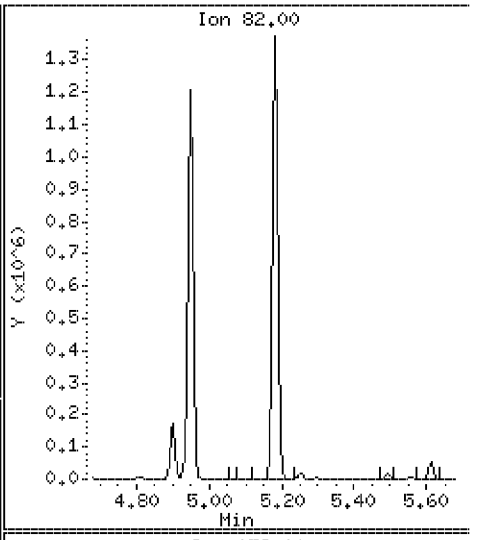
34 Isophorone Concentration: 75.2 ug/l

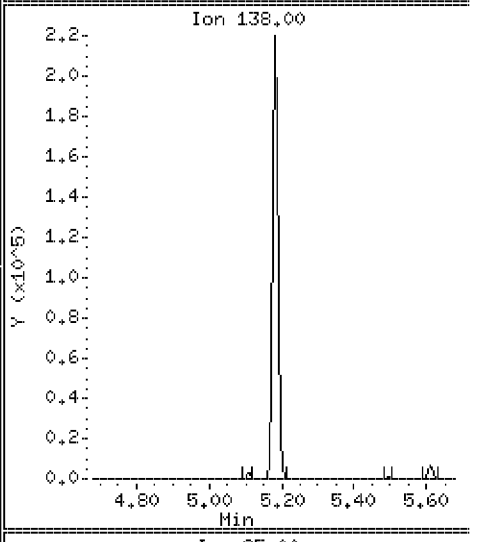


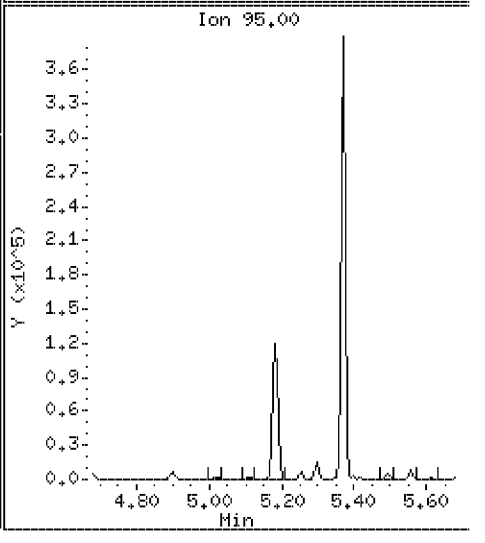












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

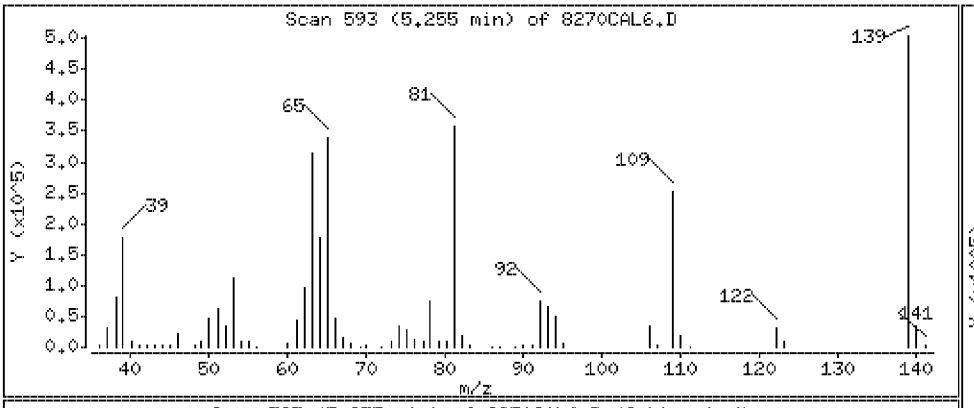
Operator: PEL

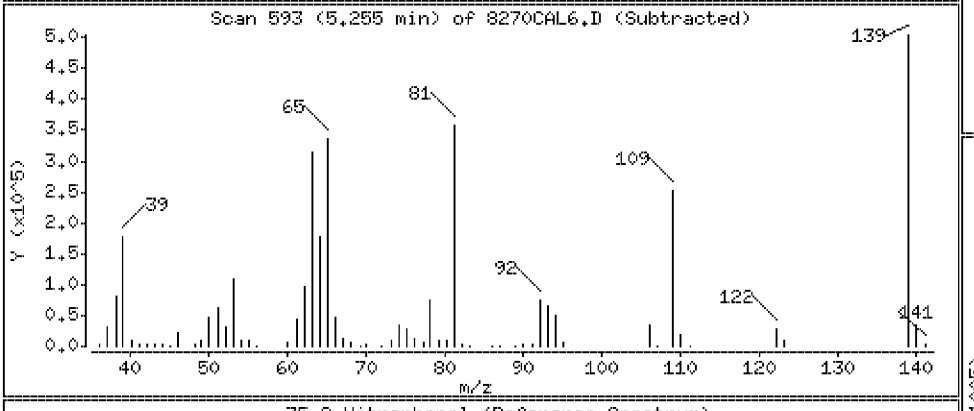
Column phase: HPMS-5

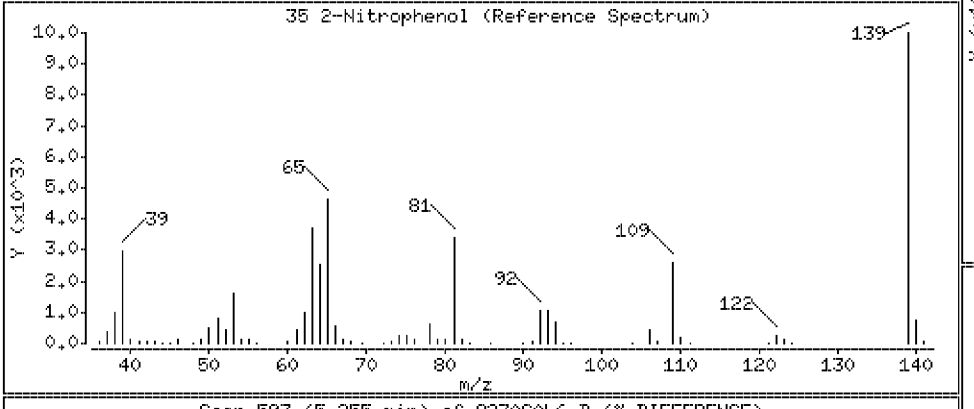
Column diameter: 0.25

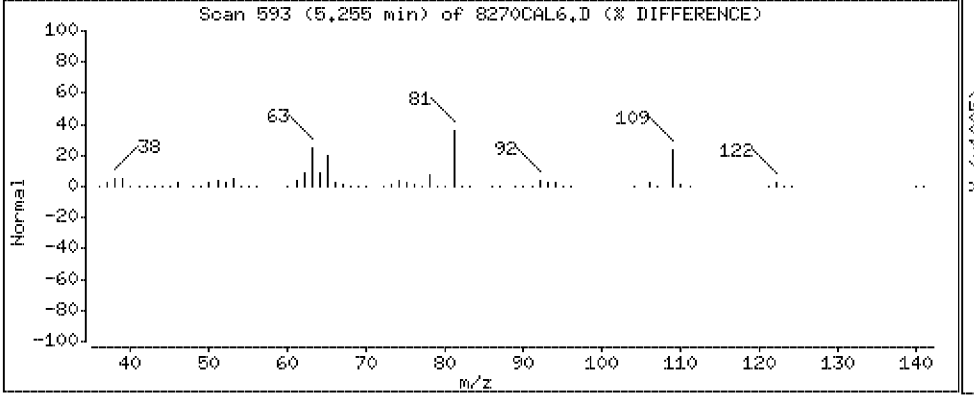
35 2-Nitrophenol

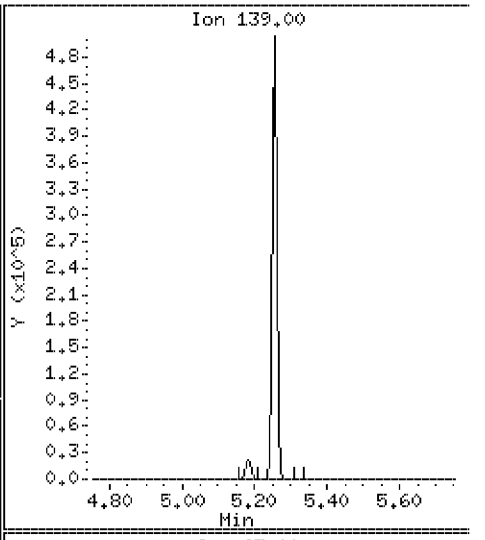
Concentration: 77.4 ug/l

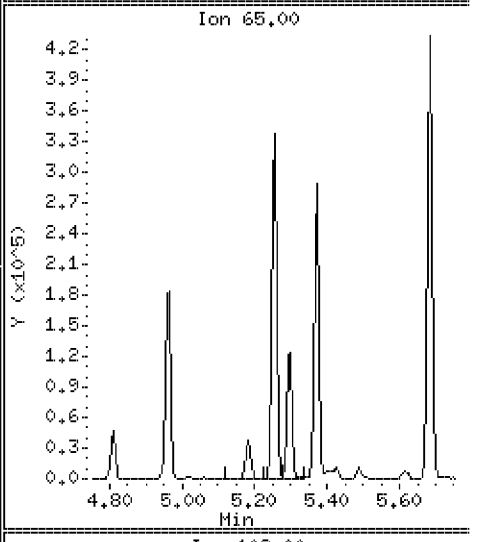


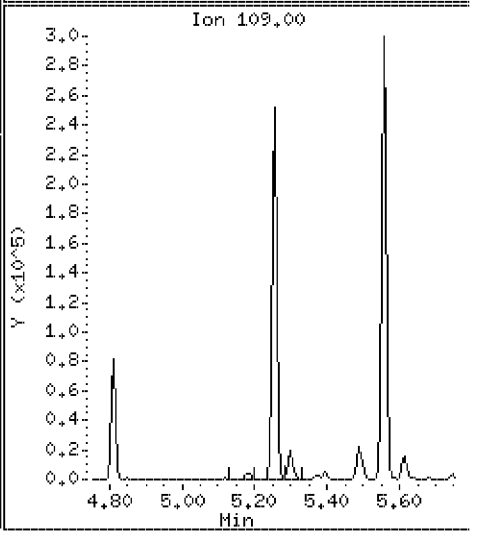












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

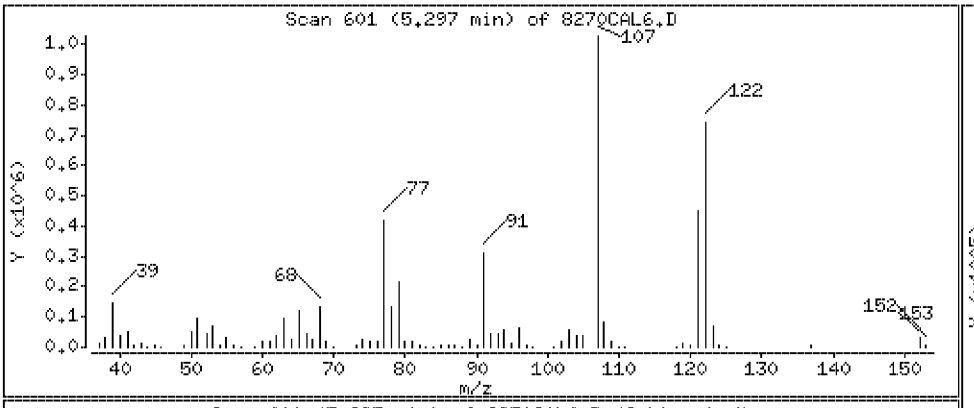
Operator: PEL

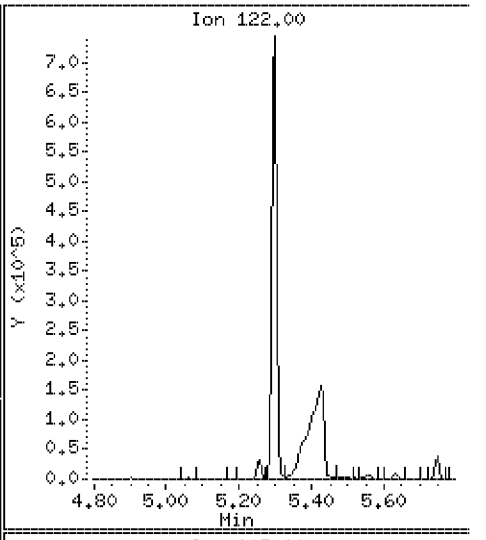
Column phase: HPMS-5

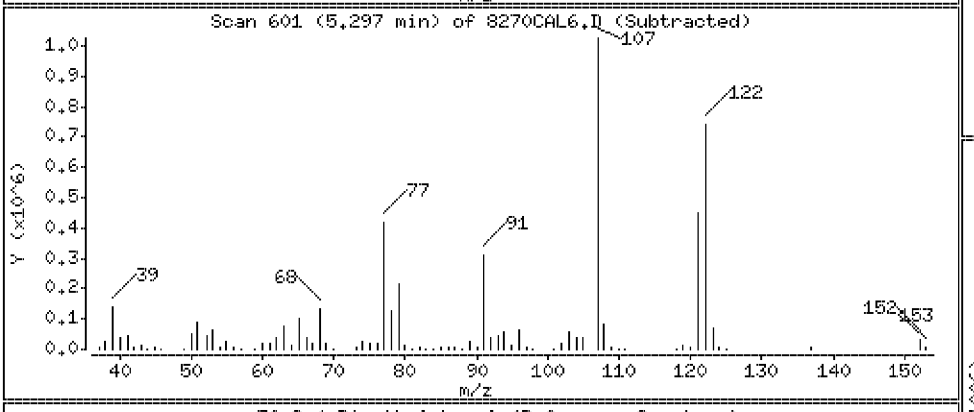
Column diameter: 0.25

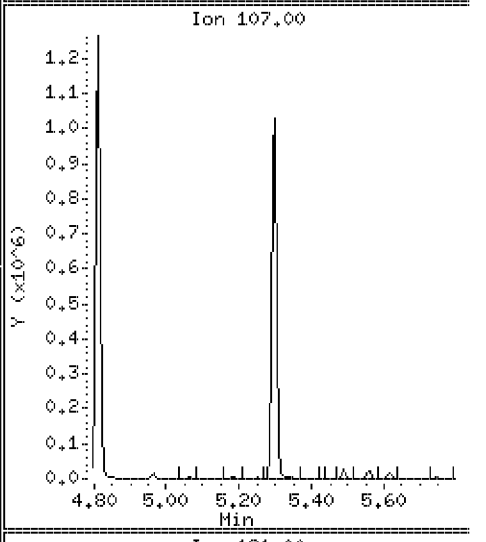
36 2,4-Dimethylphenol

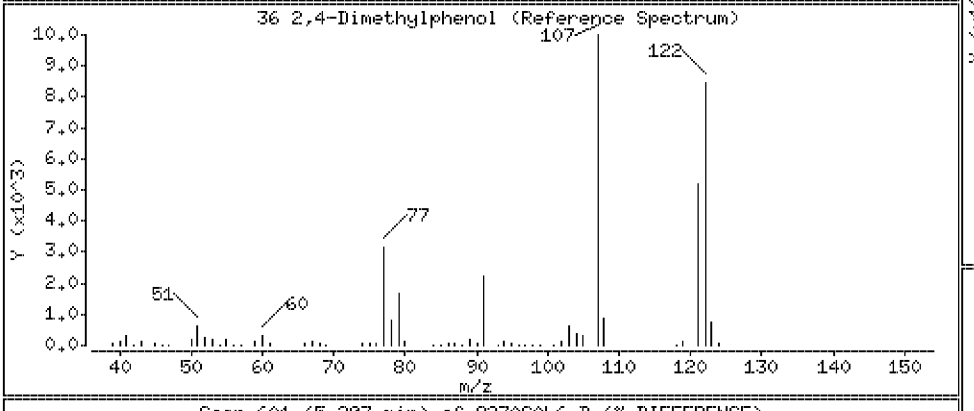
Concentration: 76.7 ug/l

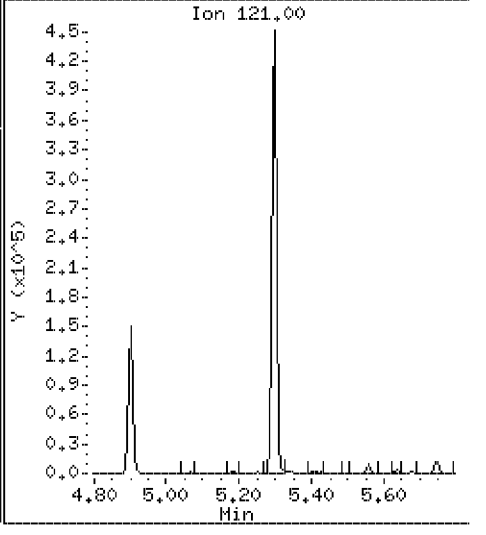


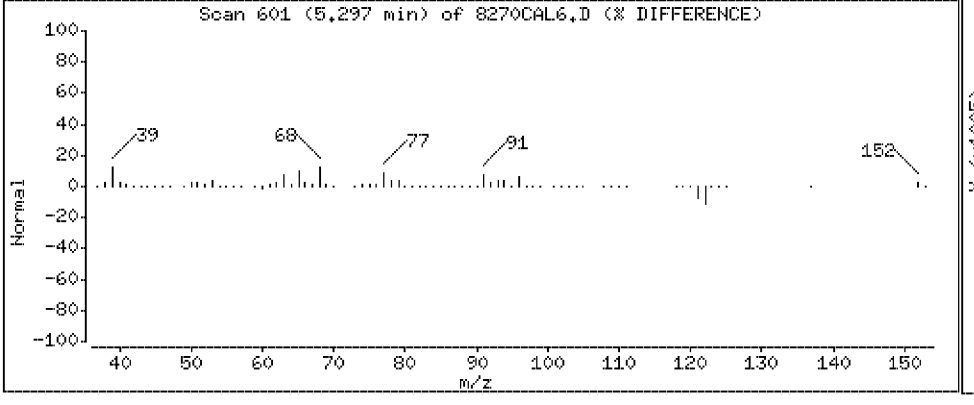












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

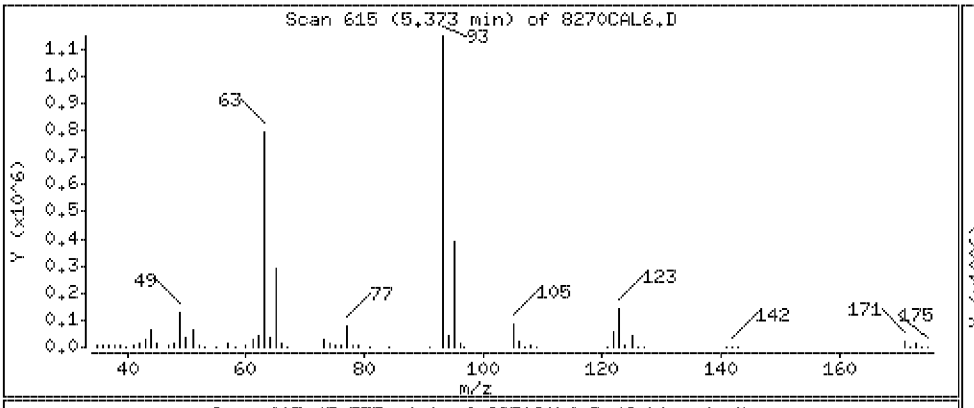
Operator: PEL

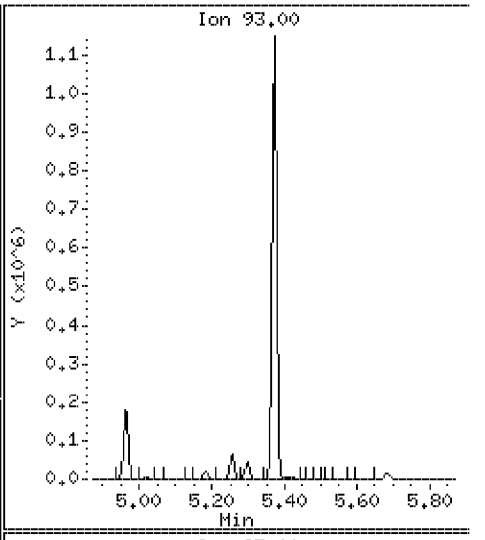
Column phase: HPMS-5

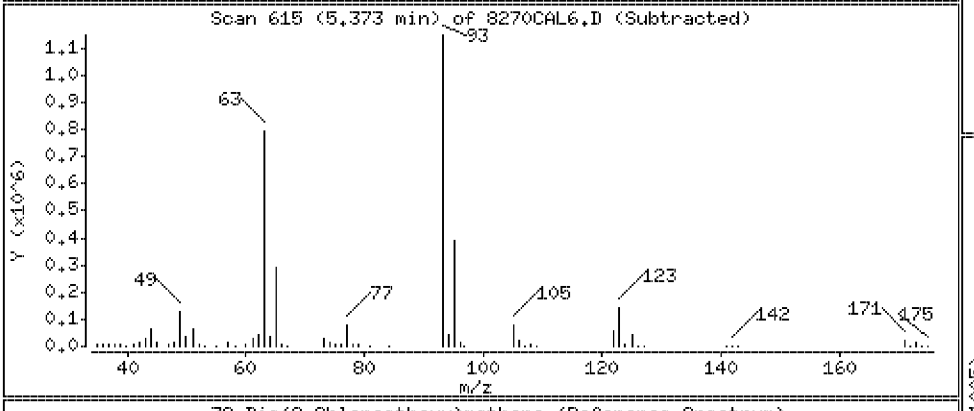
Column diameter: 0.25

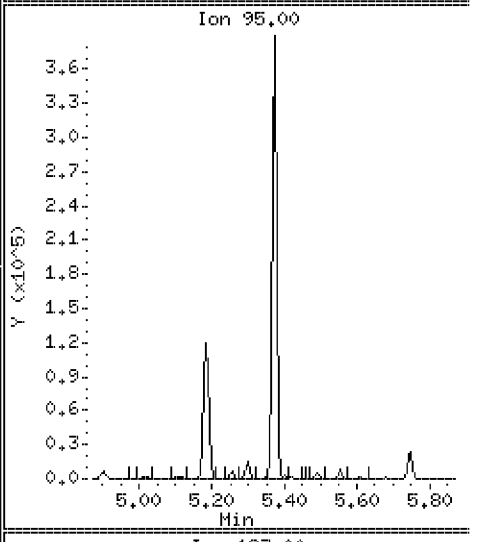
38 Bis(2-Chloroethoxy)methane

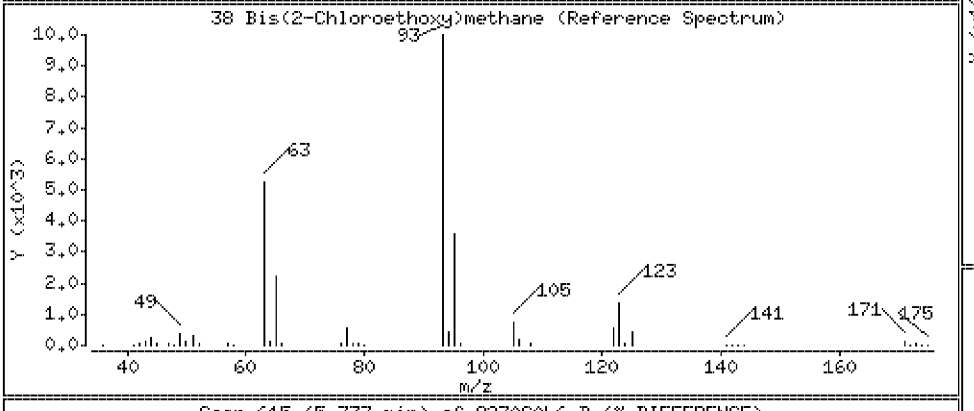
Concentration: 77.8 ug/l

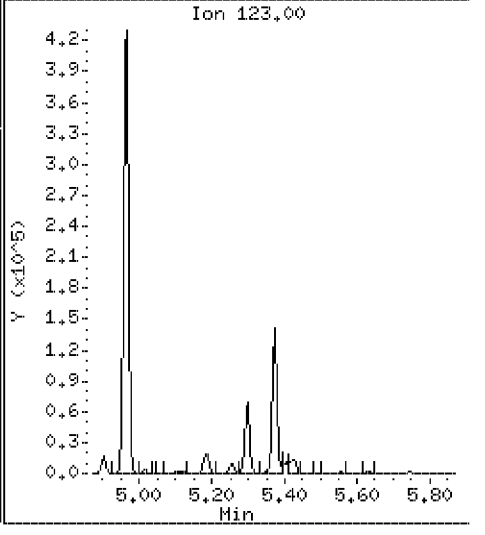


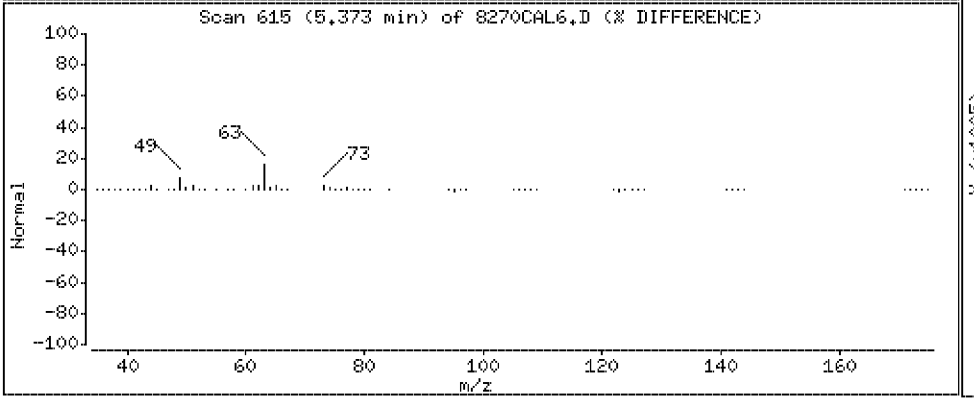












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

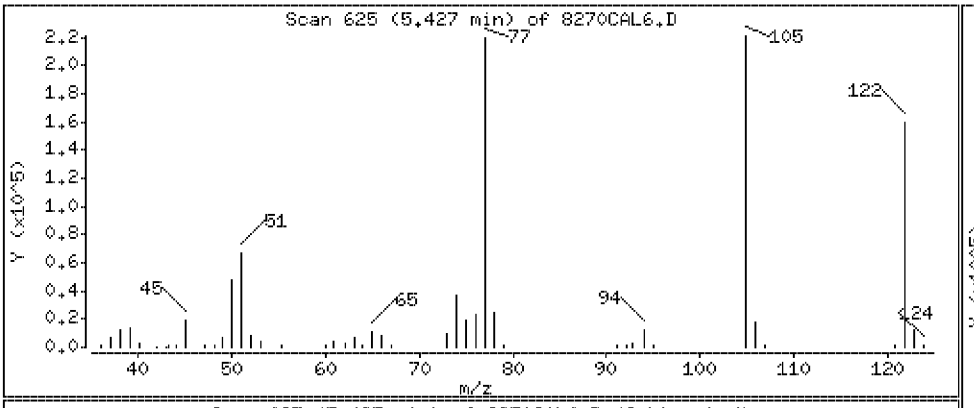
Operator: PEL

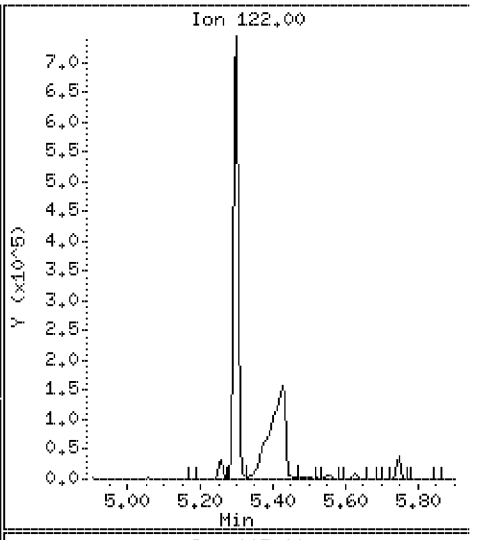
Column phase: HPMS-5

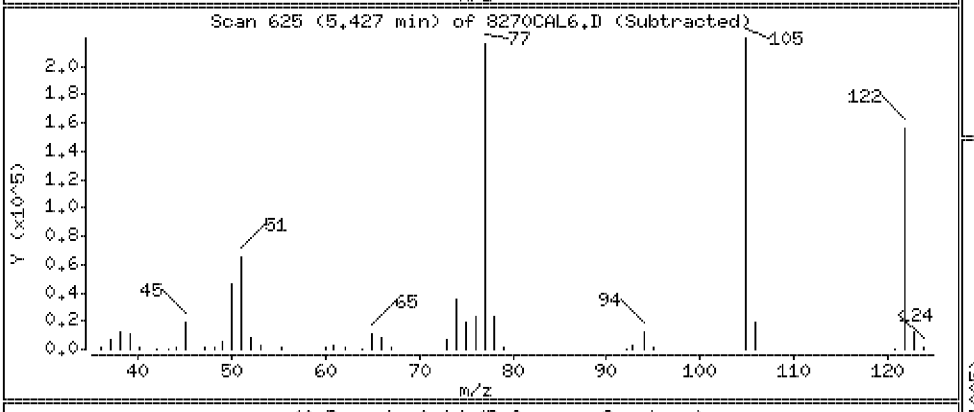
Column diameter: 0.25

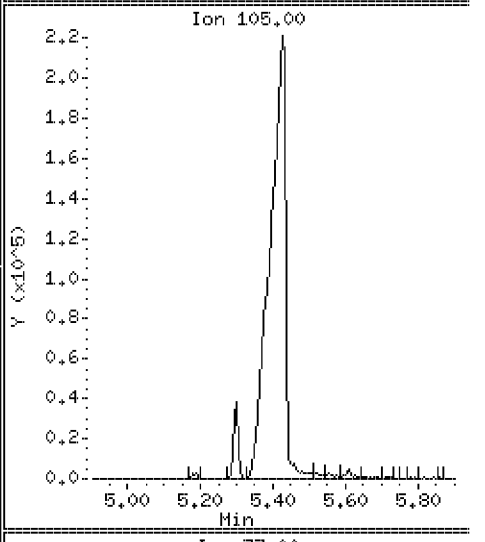
40 Benzoic Acid

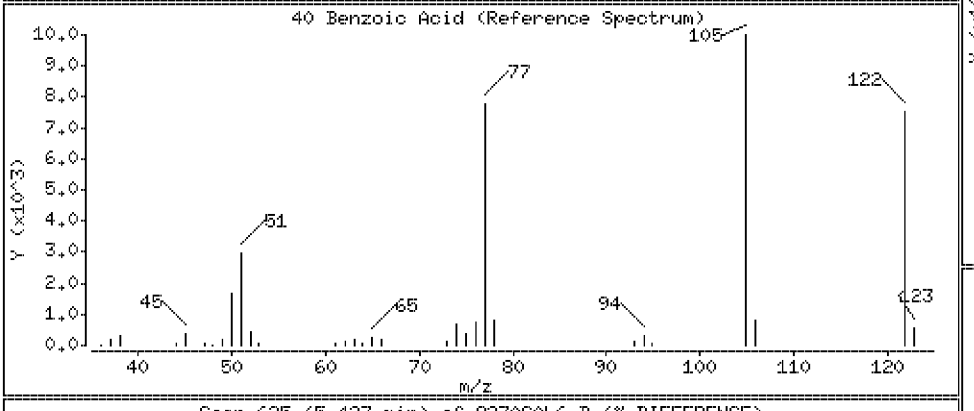
Concentration: 74.6 ug/l

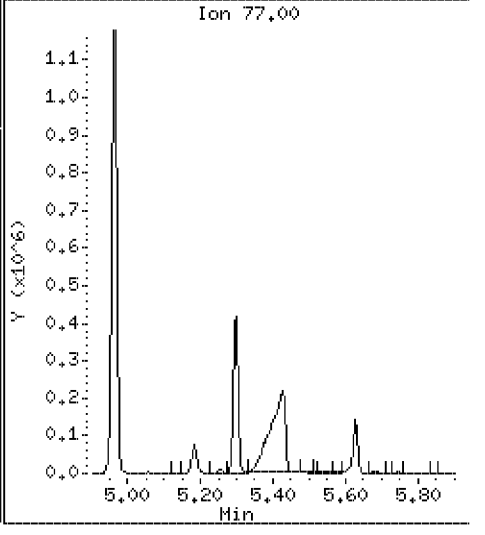


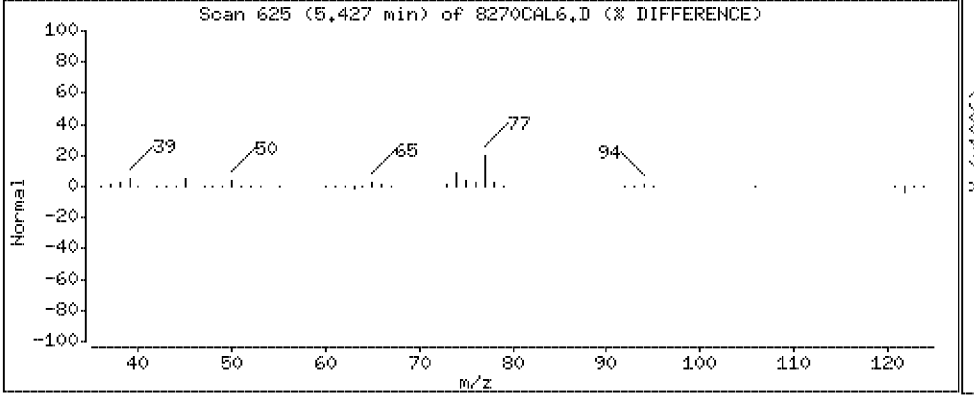












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

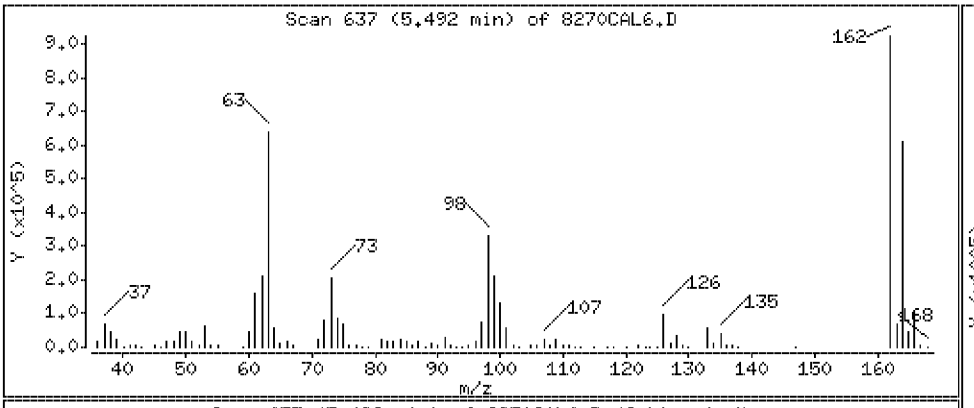
Operator: PEL

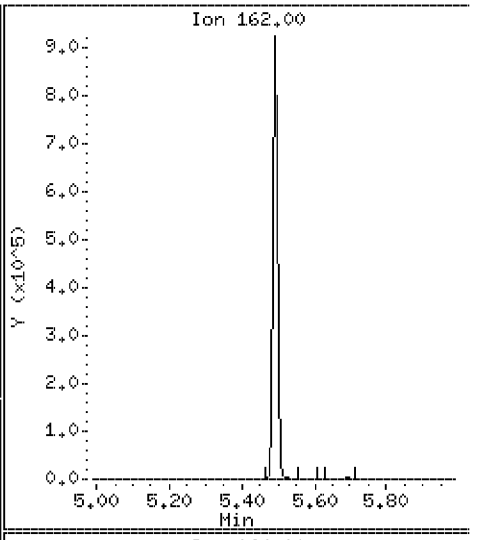
Column phase: HPMS-5

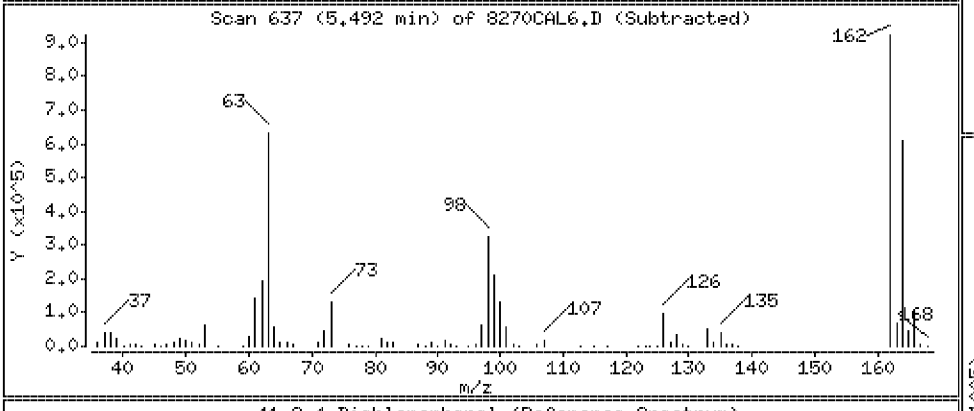
Column diameter: 0.25

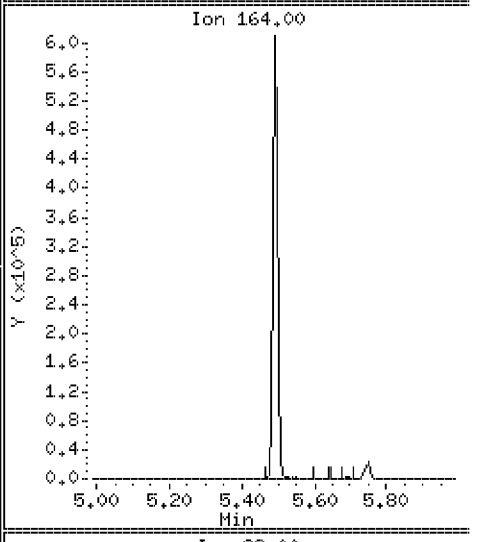
41 2,4-Dichlorophenol

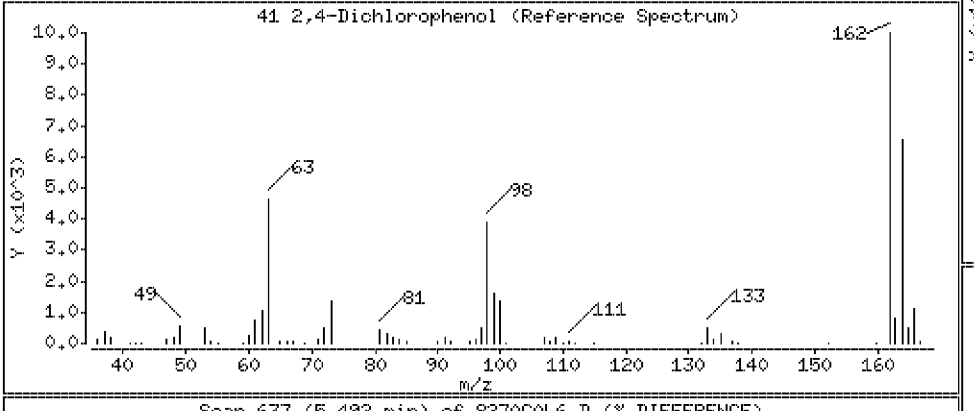
Concentration: 77.1 ug/l

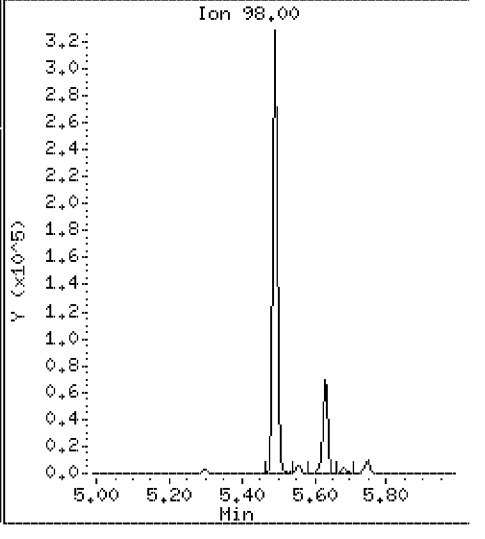


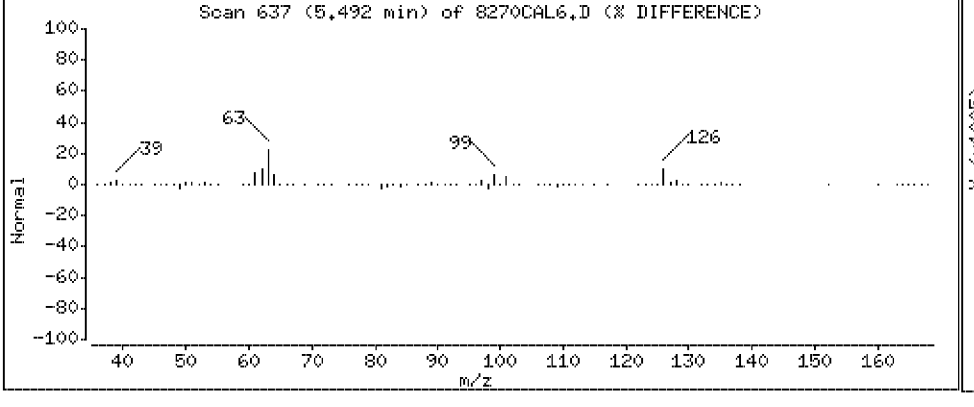












Date : 23-APR-2012 10:47

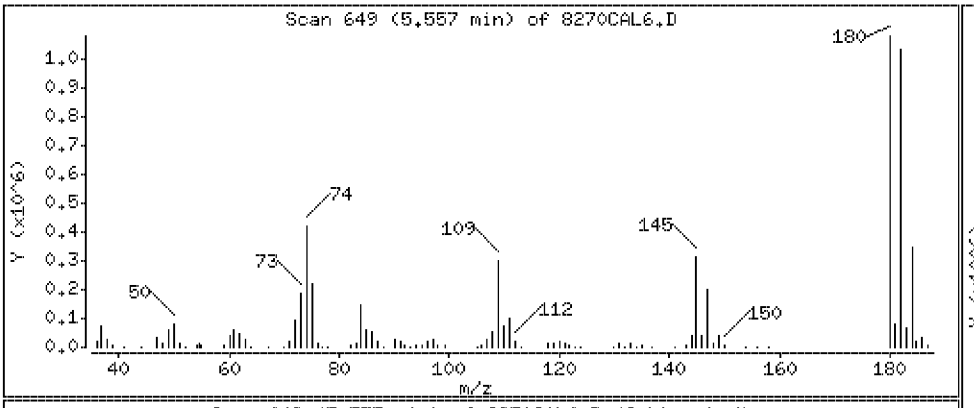
Client ID: 8270CAL6 Instrument: smsd03.i

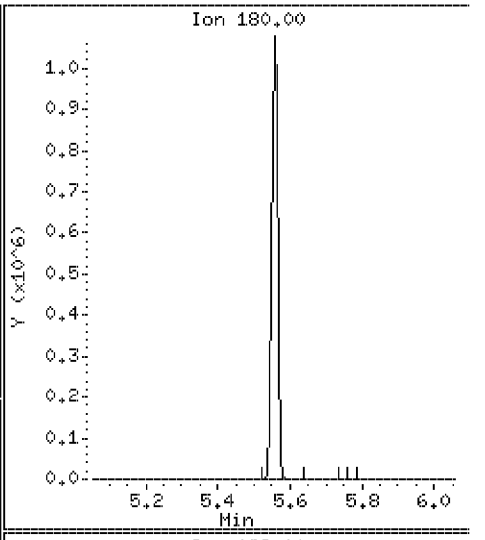
Sample Info: 45922

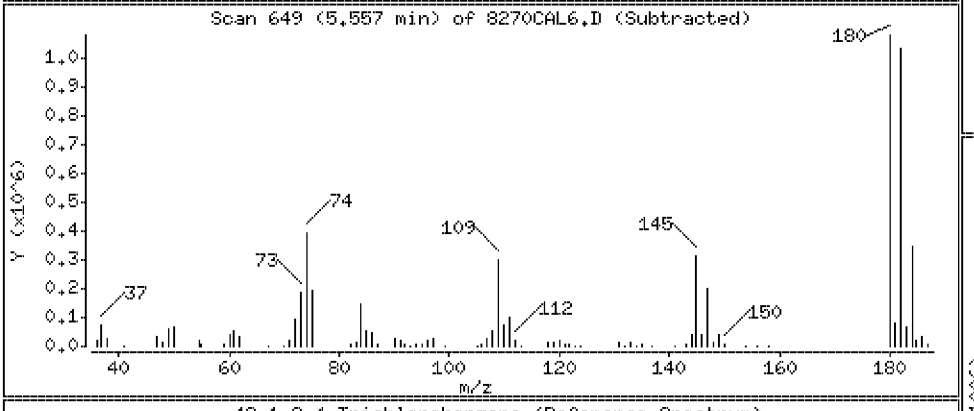
Purge Volume: 1000.0 Operator: PEL

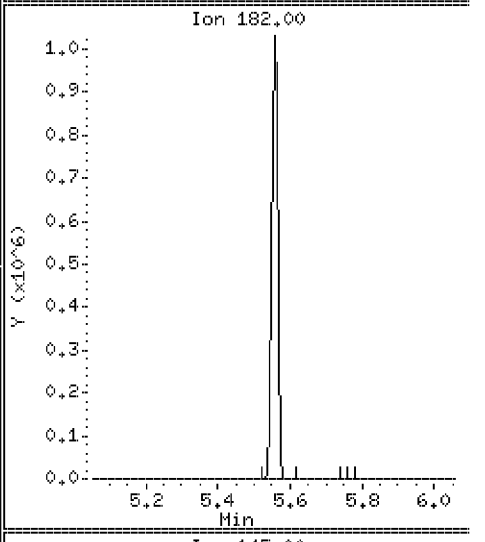
Column phase: HPMS-5 Column diameter: 0.25

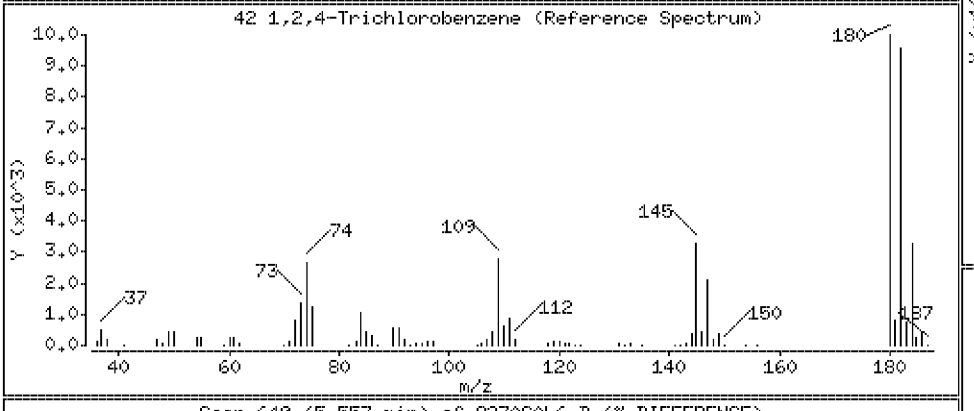
42 1,2,4-Trichlorobenzene Concentration: 76.6 ug/l

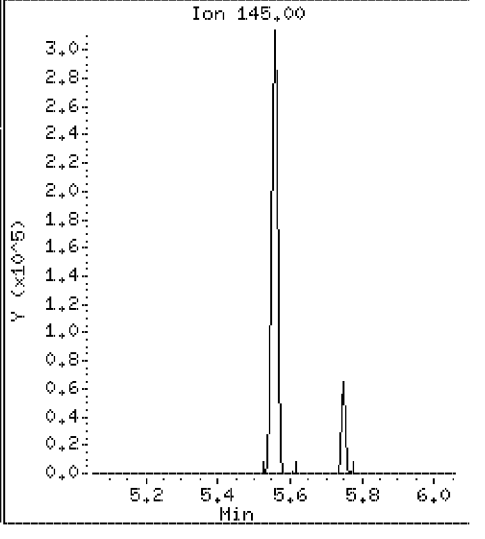


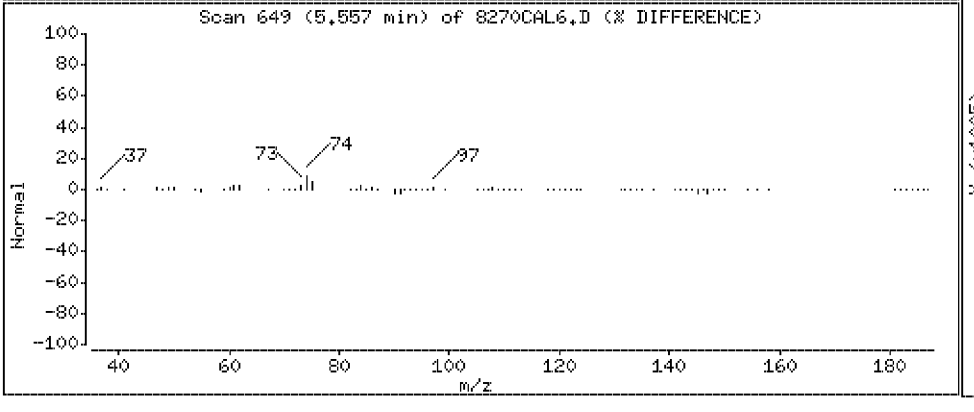












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

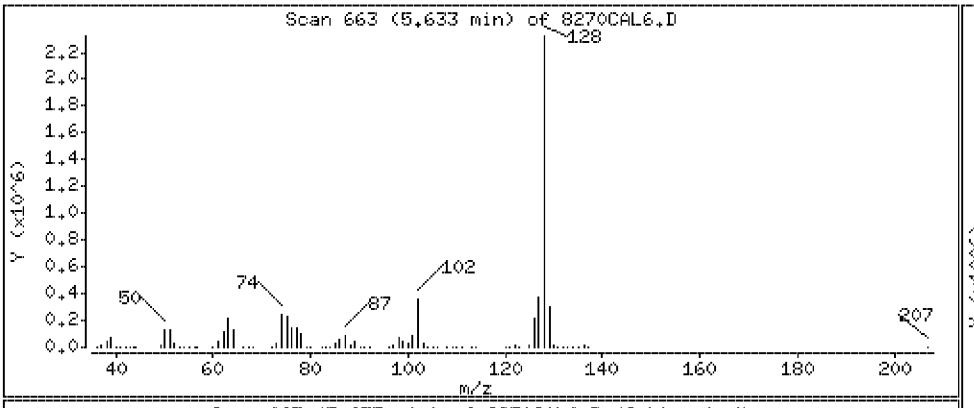
Operator: PEL

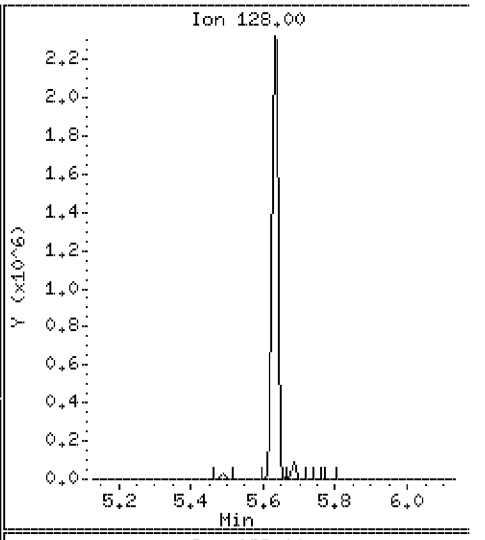
Column phase: HPMS-5

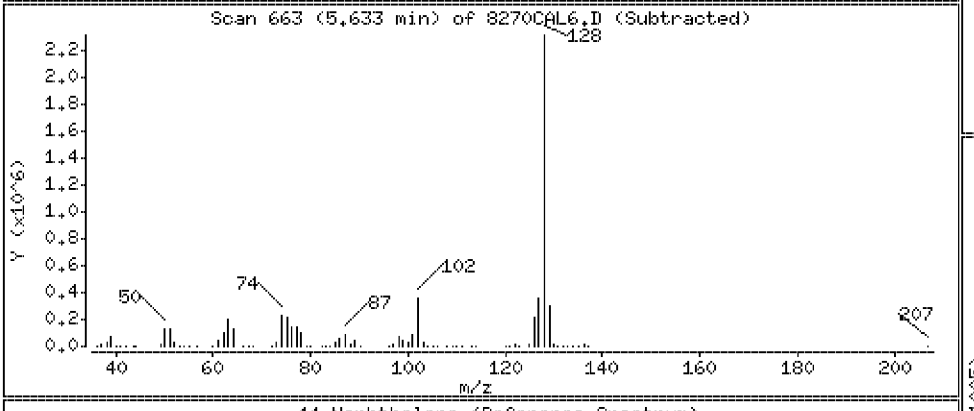
Column diameter: 0.25

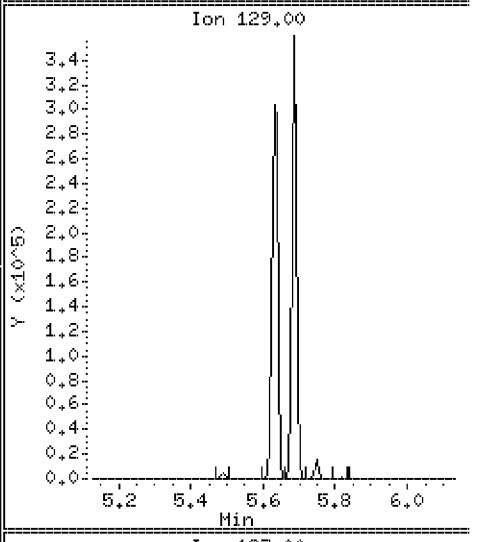
44 Naphthalene

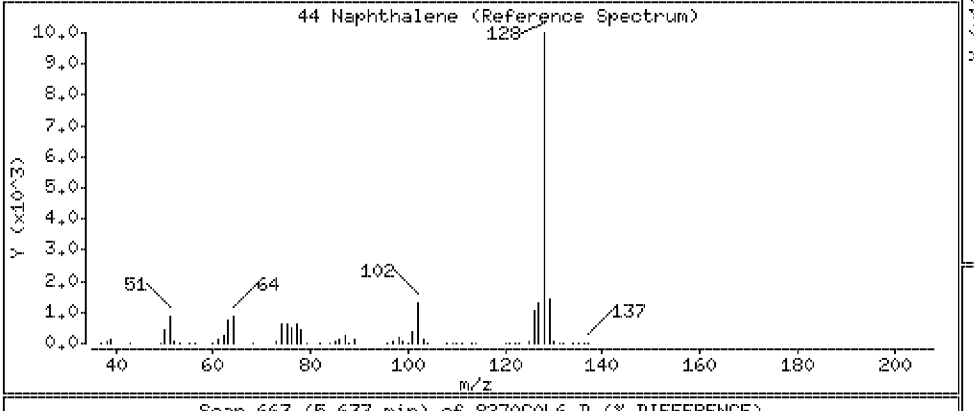
Concentration: 74.9 ug/l

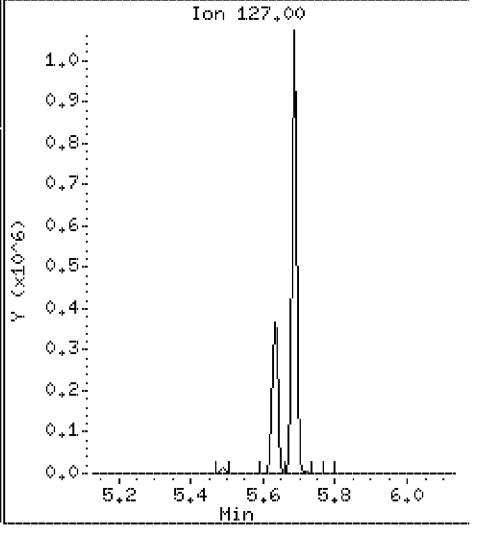


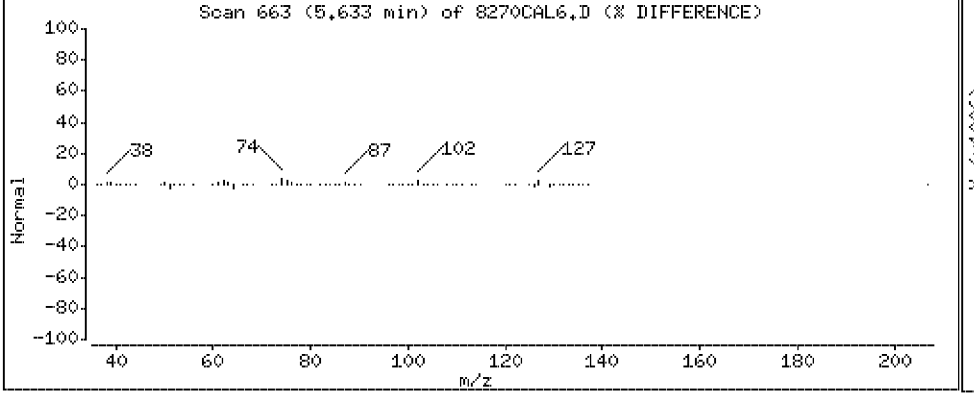












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

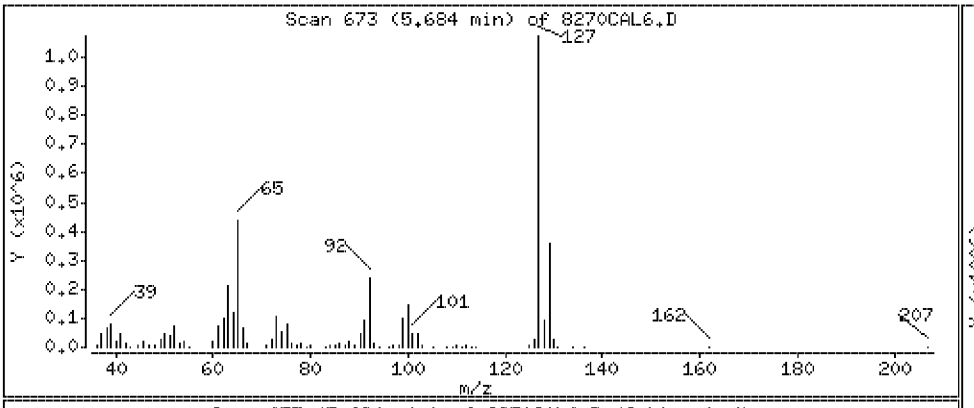
Operator: PEL

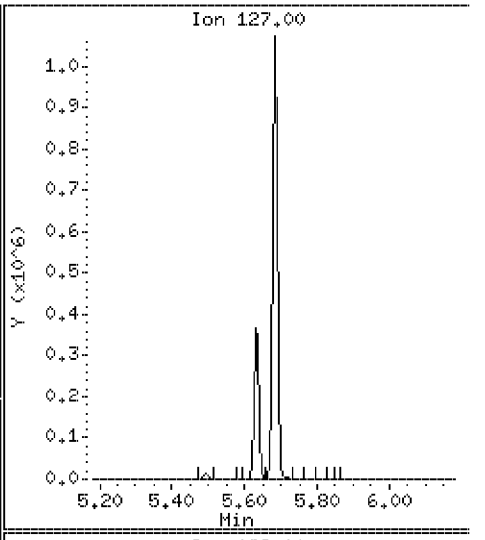
Column phase: HPMS-5

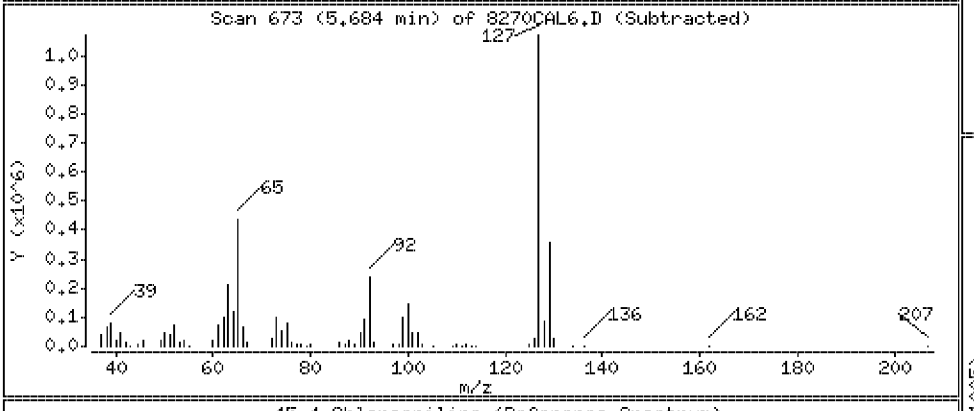
Column diameter: 0.25

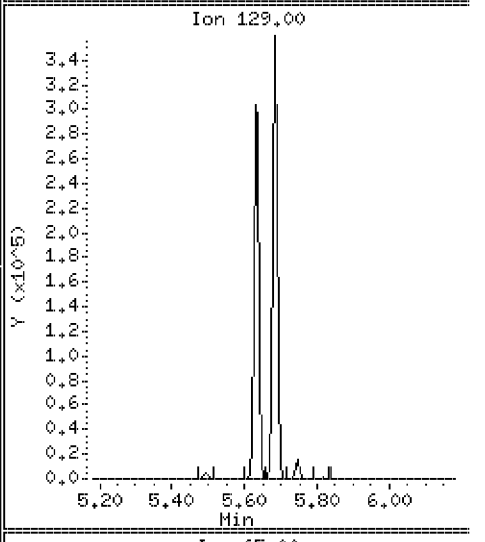
45 4-Chloroaniline

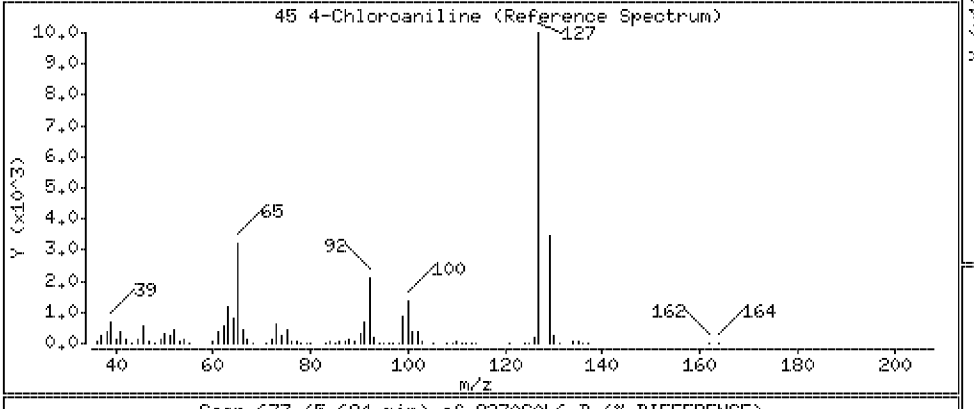
Concentration: 77.0 ug/l

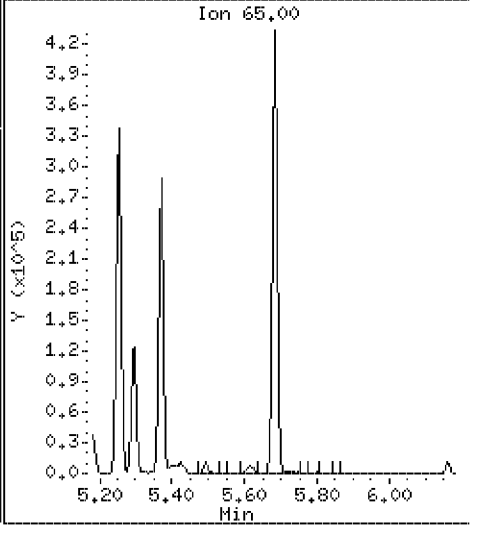


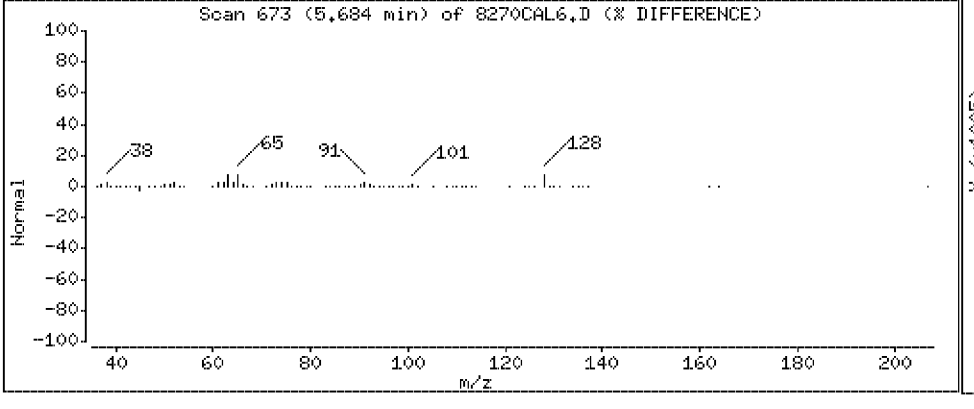












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

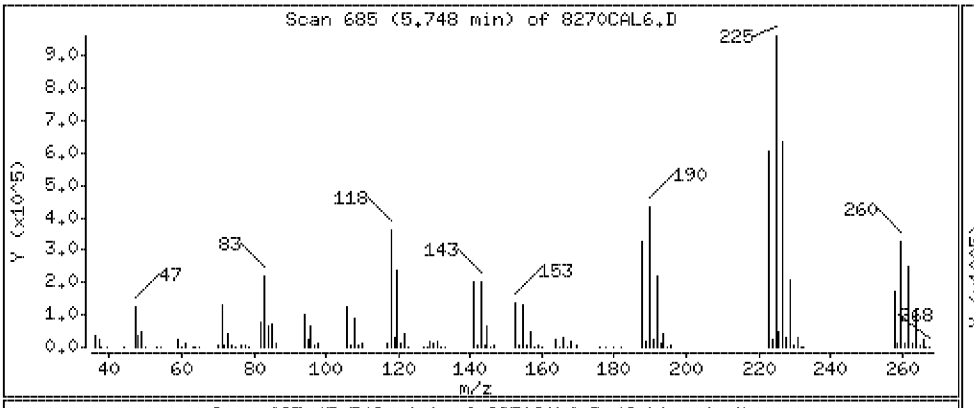
Operator: PEL

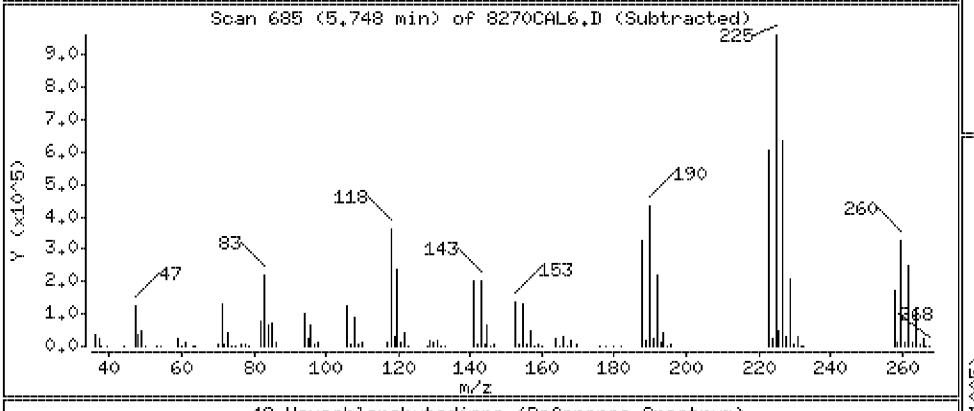
Column phase: HPMS-5

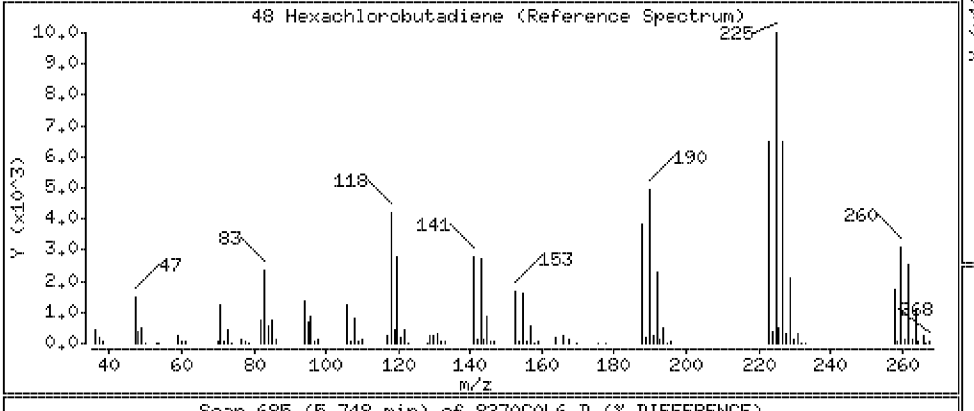
Column diameter: 0.25

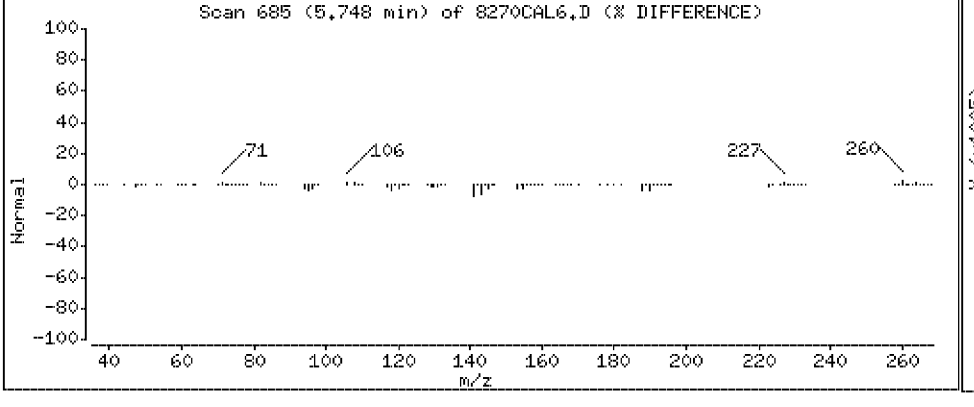
48 Hexachlorobutadiene

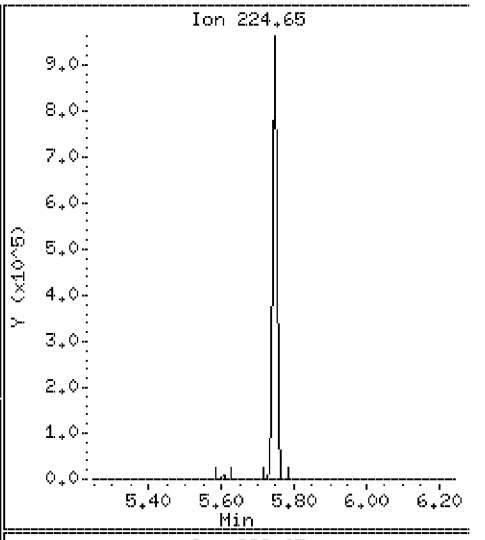
Concentration: 77.8 ug/l

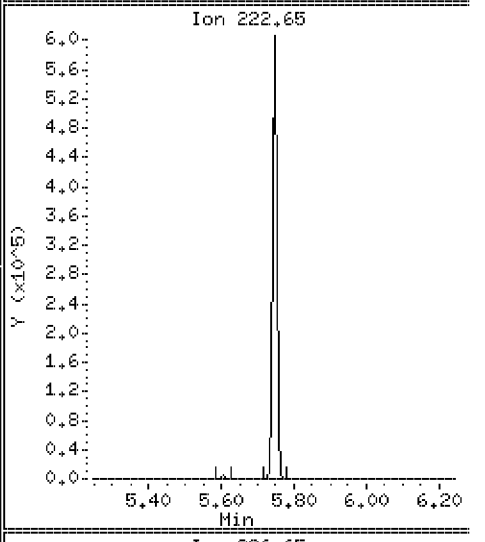


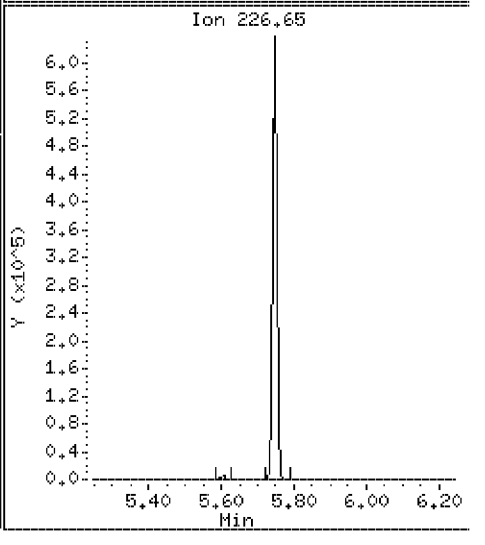












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

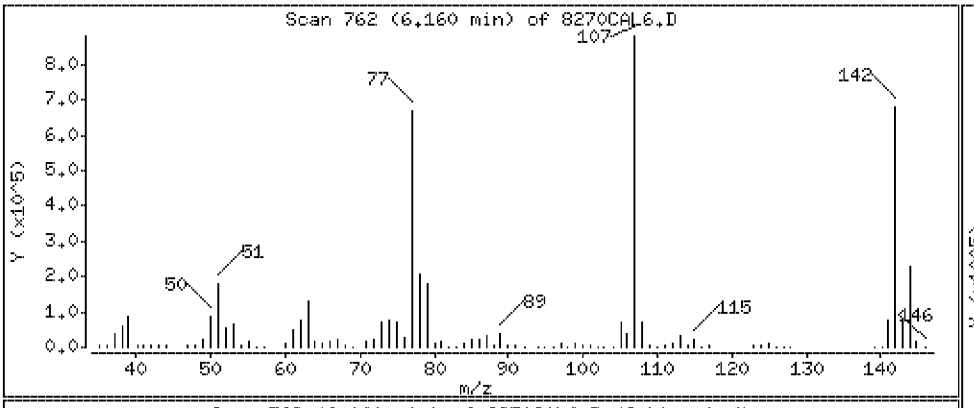
Operator: PEL

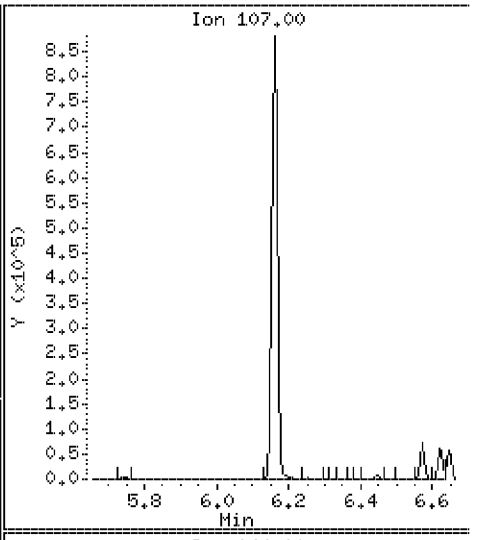
Column phase: HPMS-5

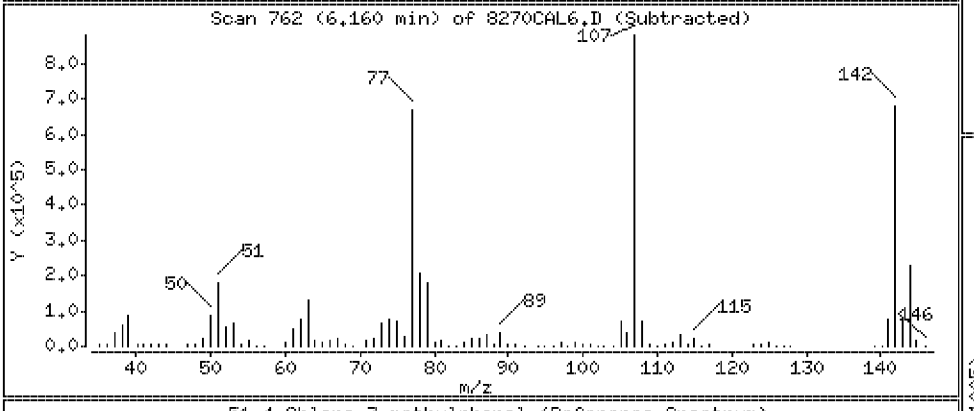
Column diameter: 0.25

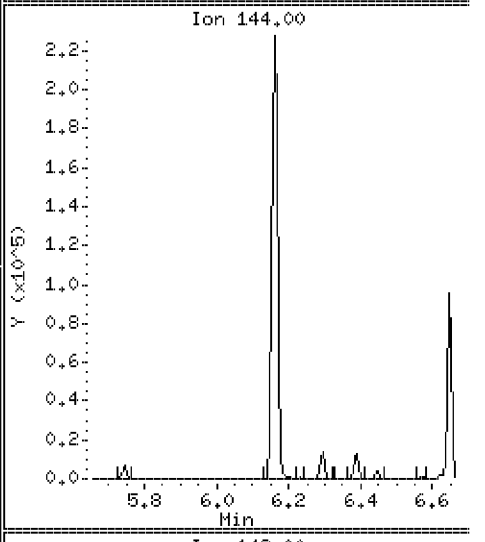
51 4-Chloro-3-methylphenol

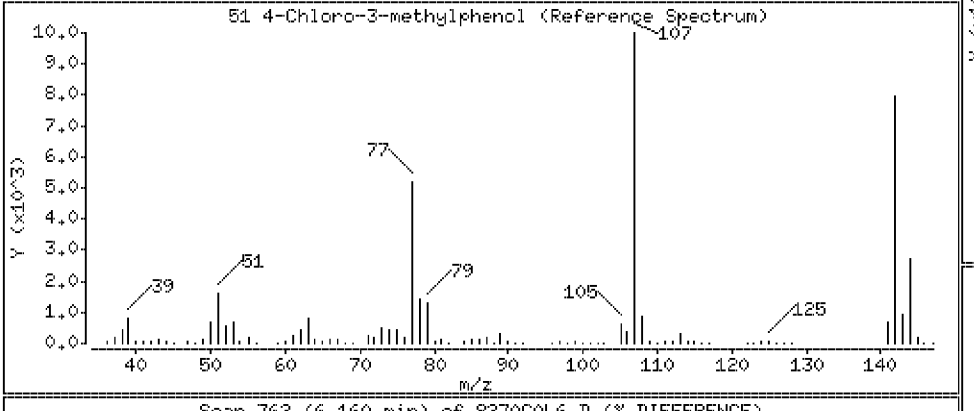
Concentration: 76.1 ug/l

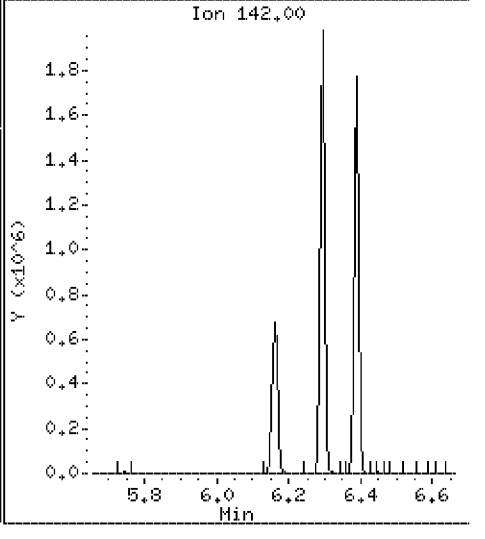


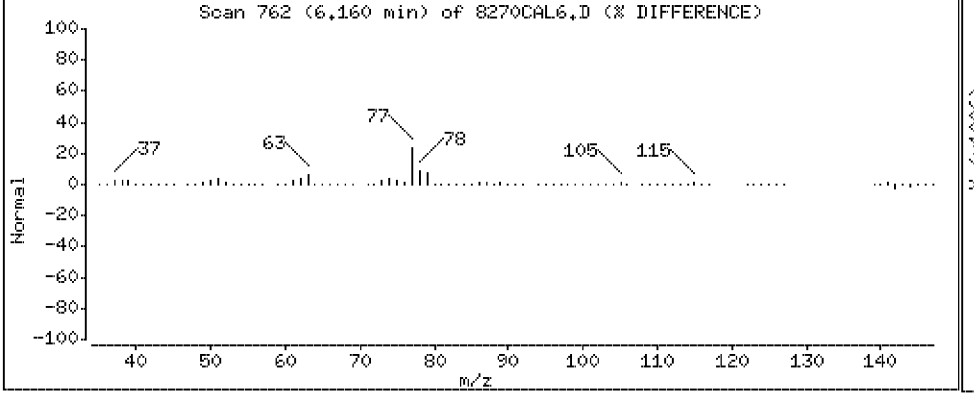












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

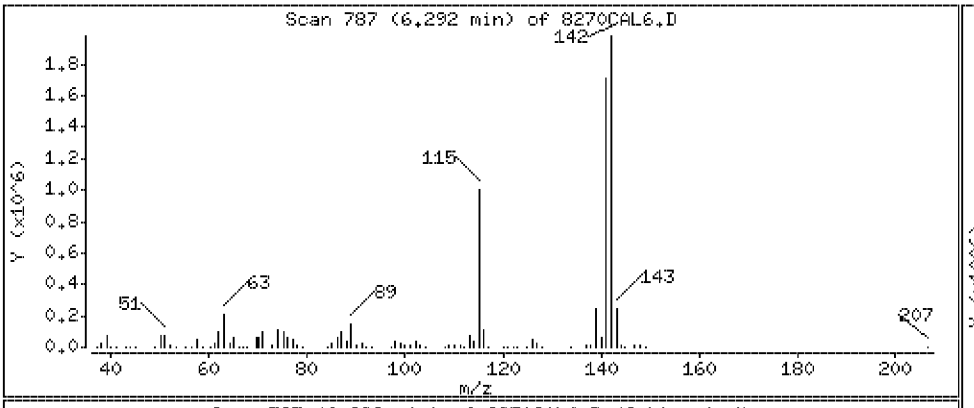
Operator: PEL

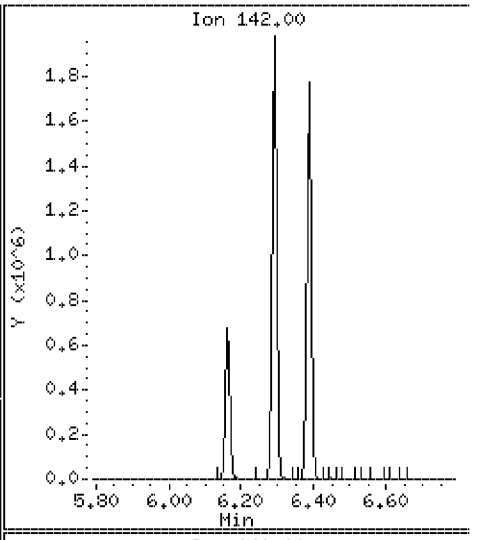
Column phase: HPMS-5

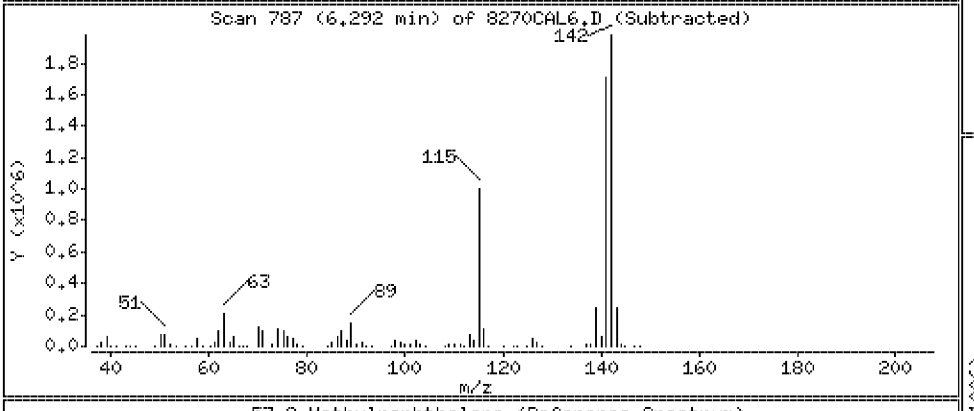
Column diameter: 0.25

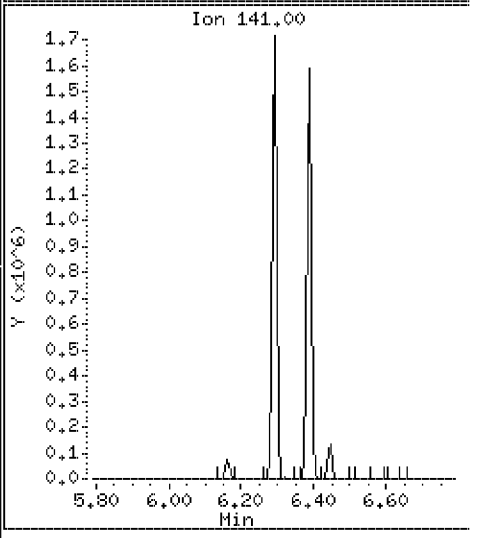
53 2-Methylnaphthalene

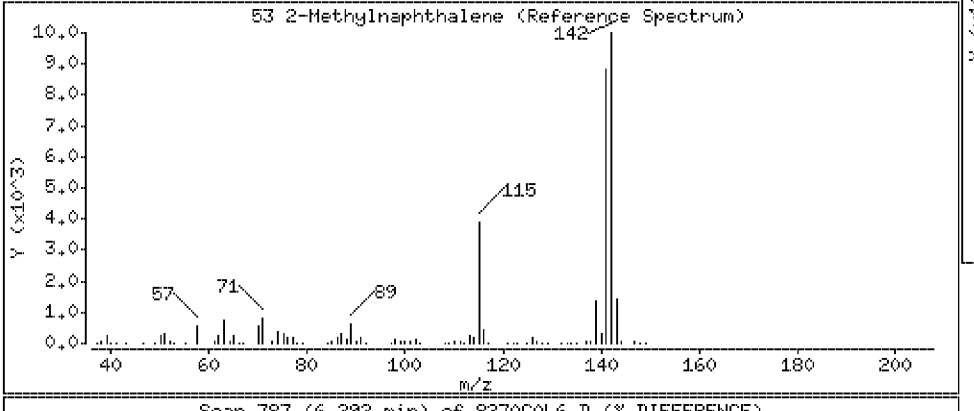
Concentration: 77.7 ug/l

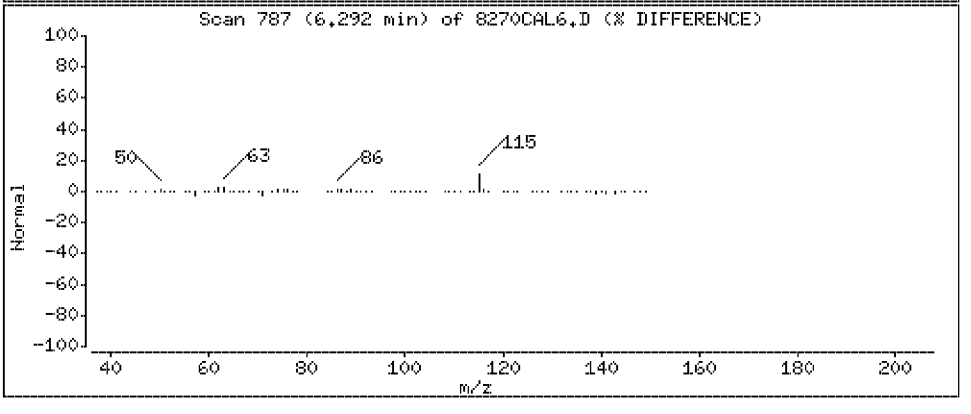












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

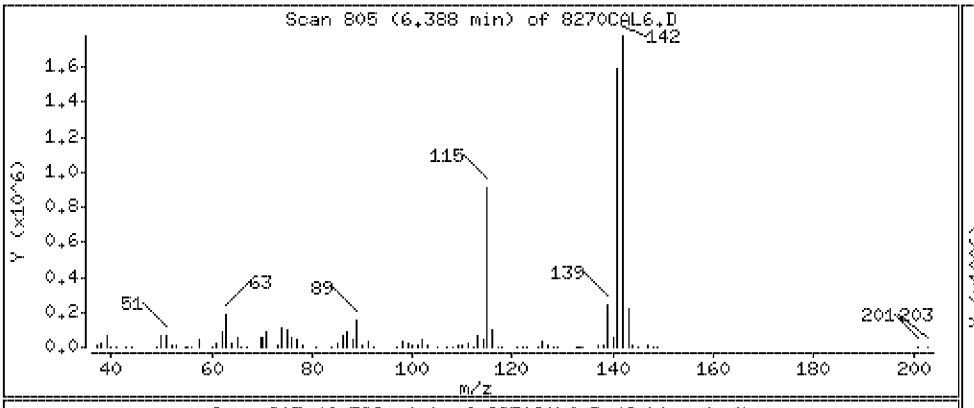
Operator: PEL

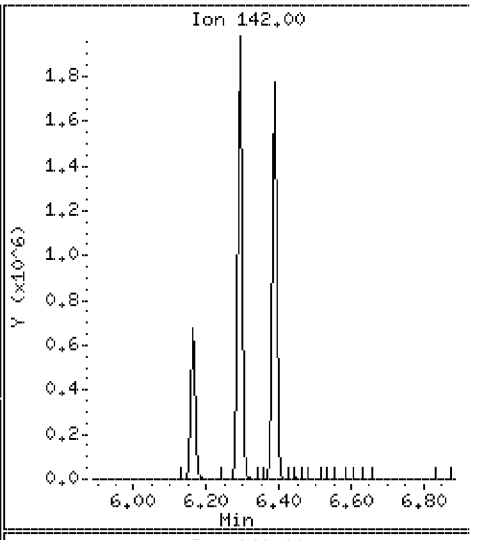
Column phase: HPMS-5

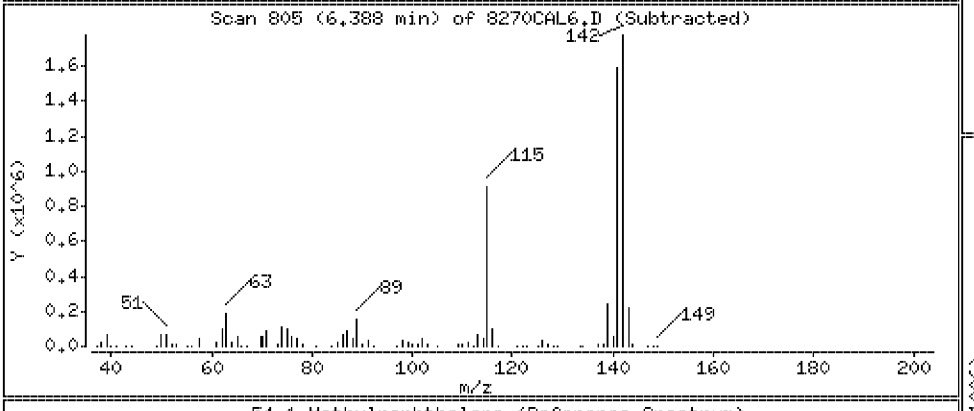
Column diameter: 0.25

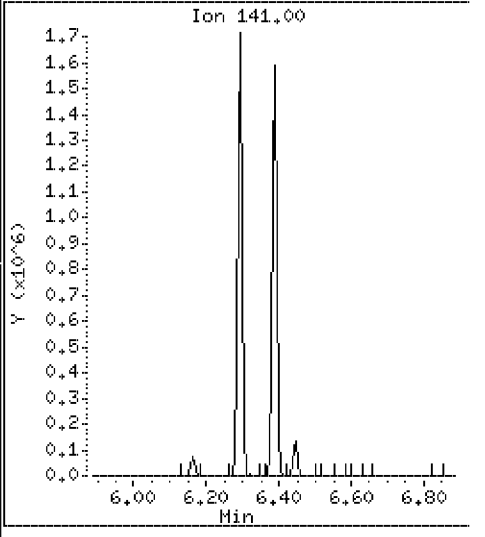
54 1-Methylnaphthalene

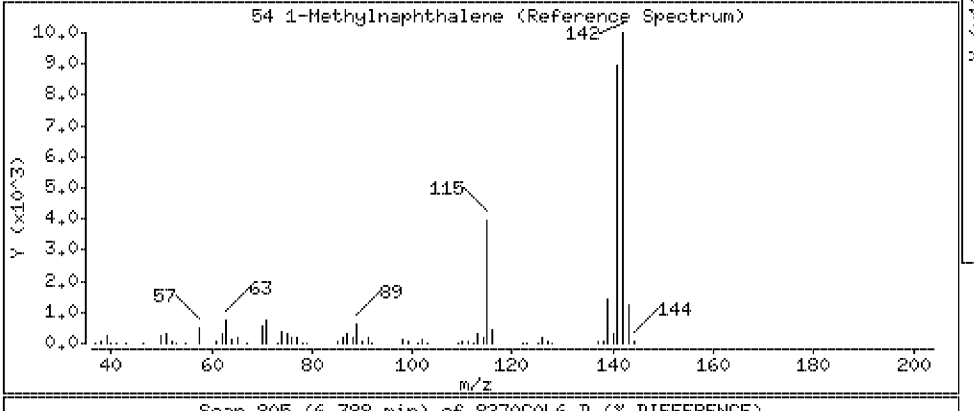
Concentration: 76.9 ug/l

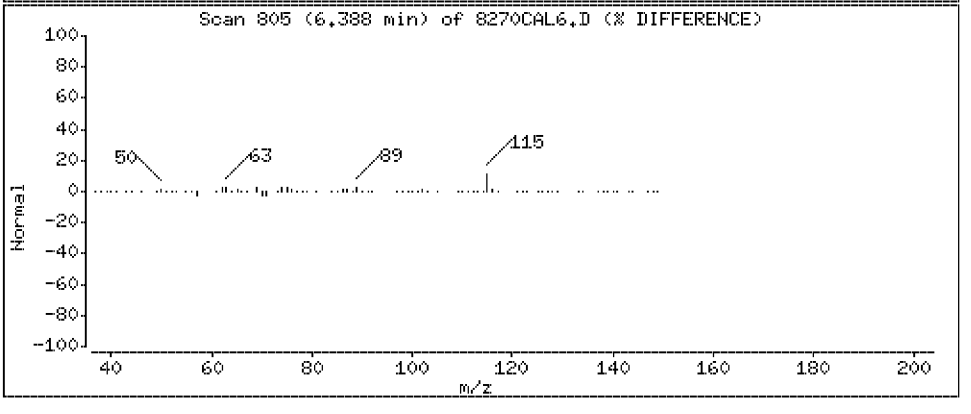












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

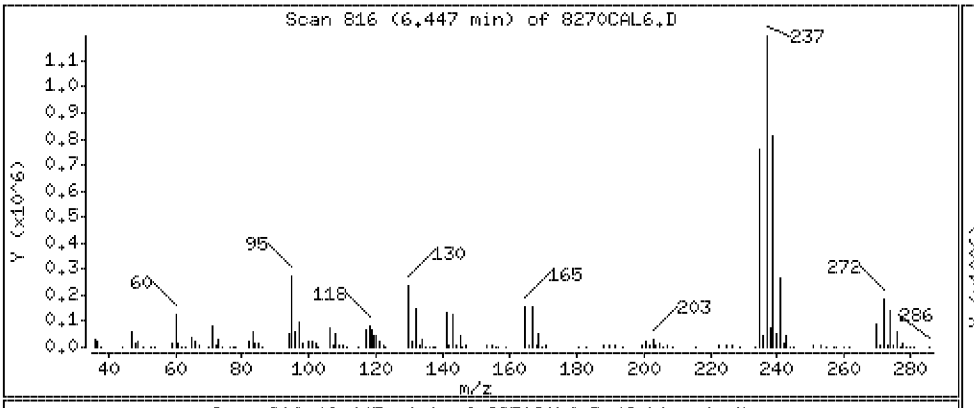
Operator: PEL

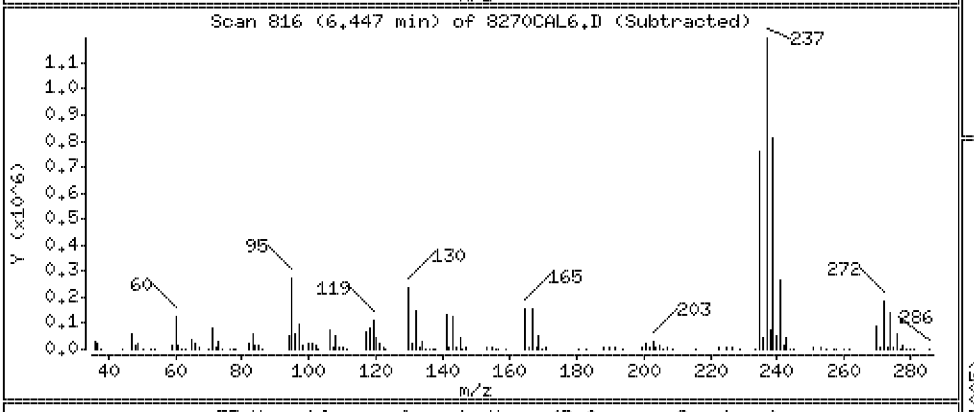
Column phase: HPMS-5

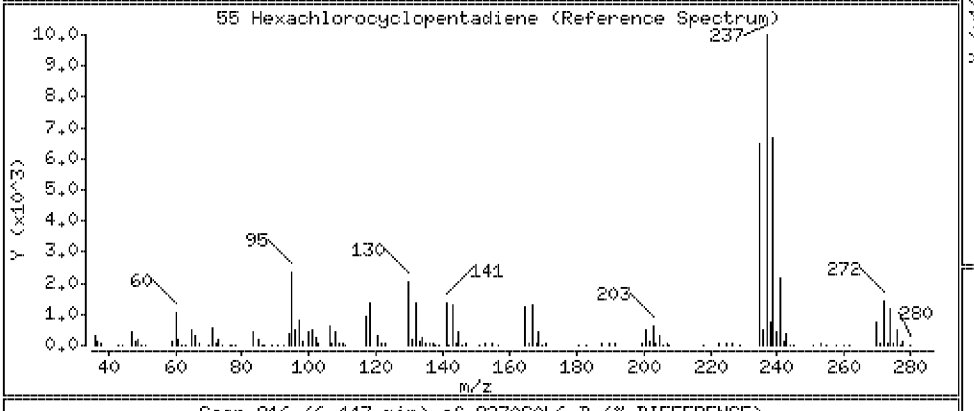
Column diameter: 0.25

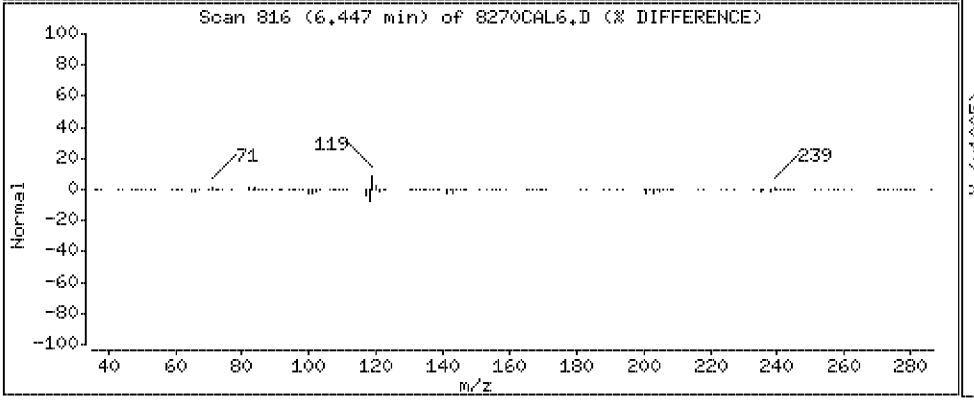
55 Hexachlorocyclopentadiene

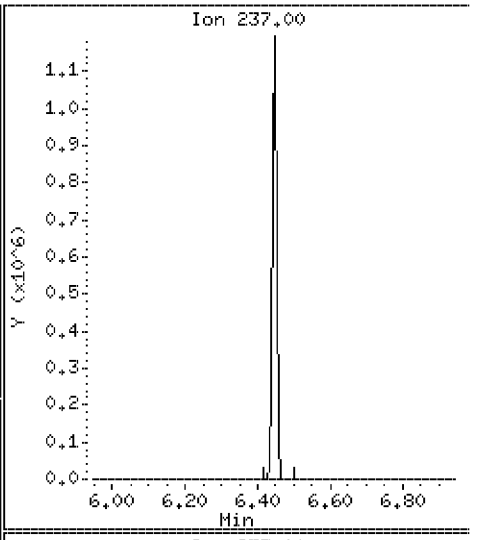
Concentration: 79.6 ug/l

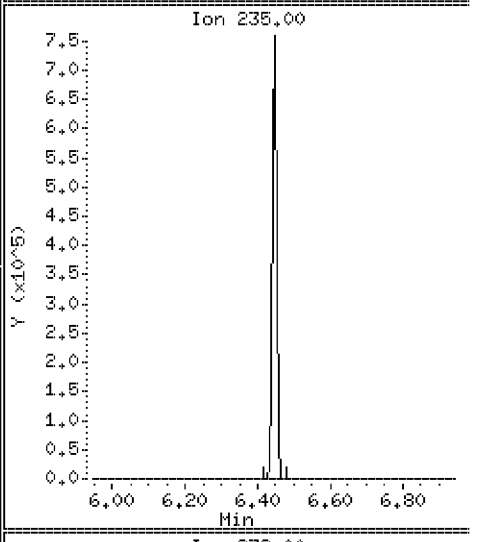


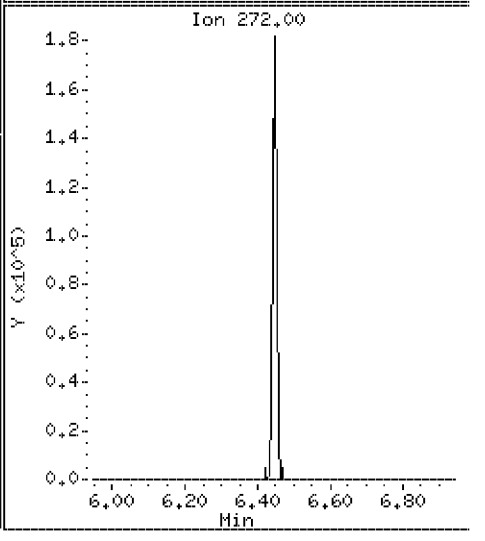












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

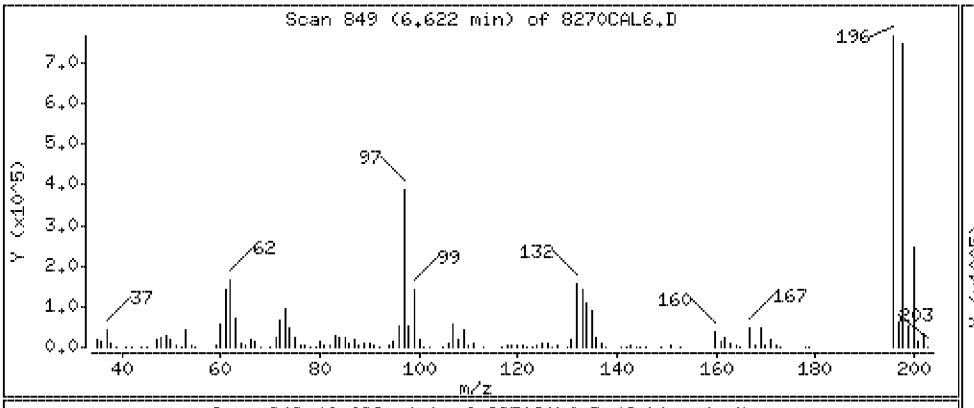
Operator: PEL

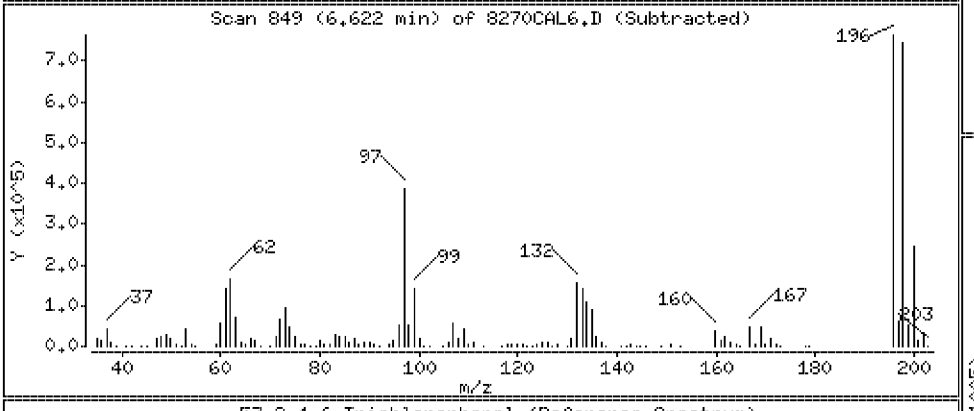
Column phase: HPMS-5

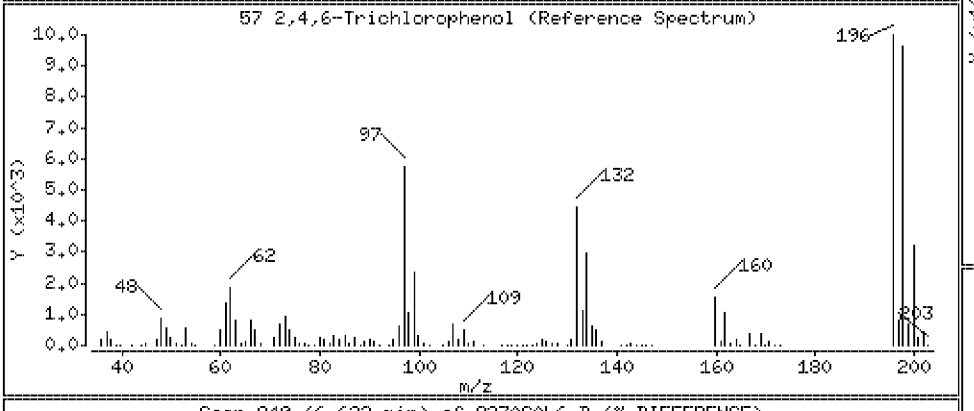
Column diameter: 0.25

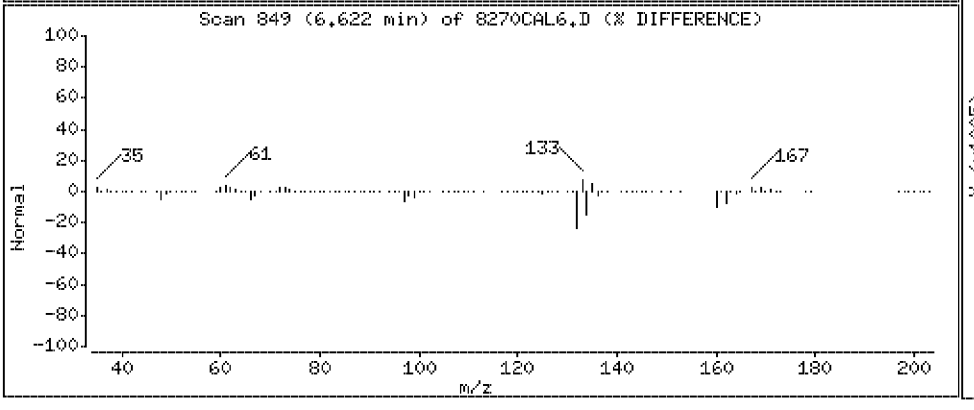
57 2,4,6-Trichlorophenol

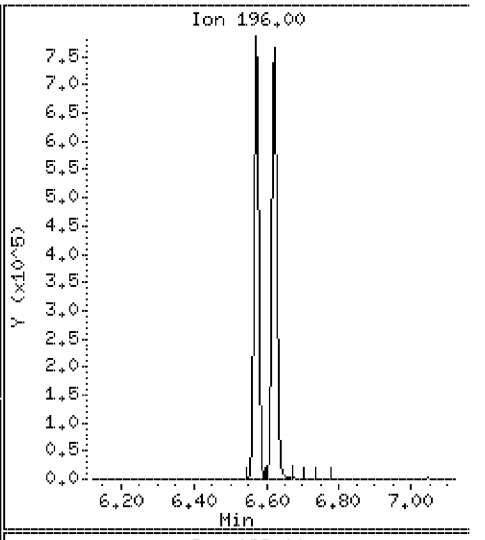
Concentration: 77.9 ug/l

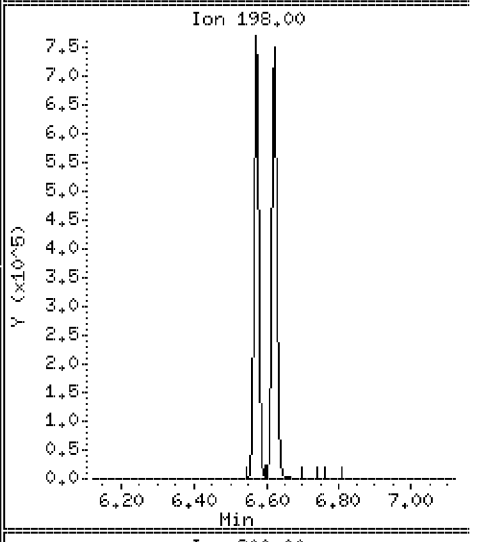


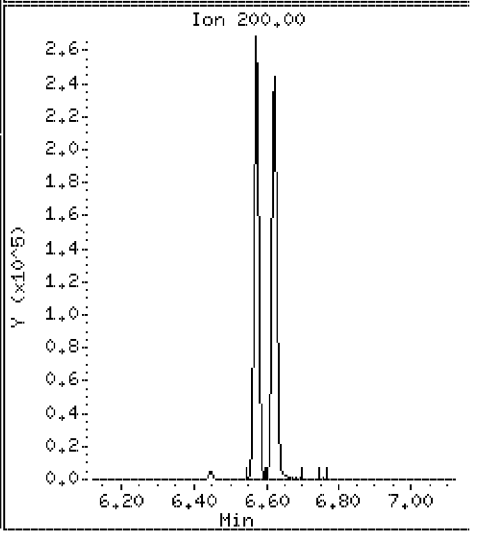












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

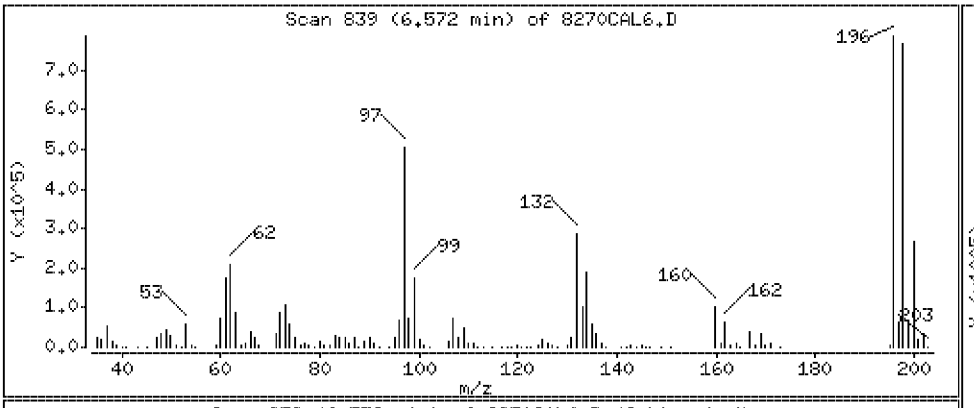
Operator: PEL

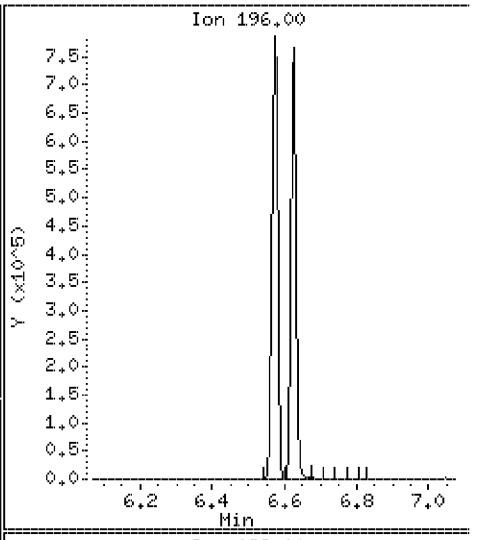
Column phase: HPMS-5

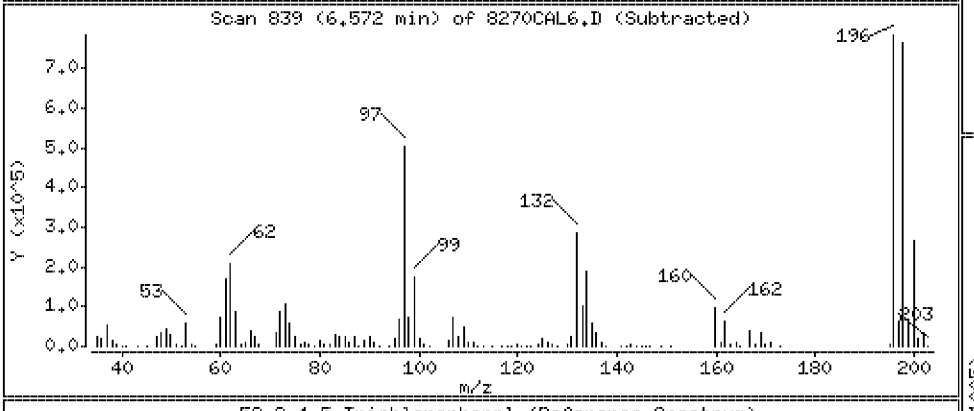
Column diameter: 0.25

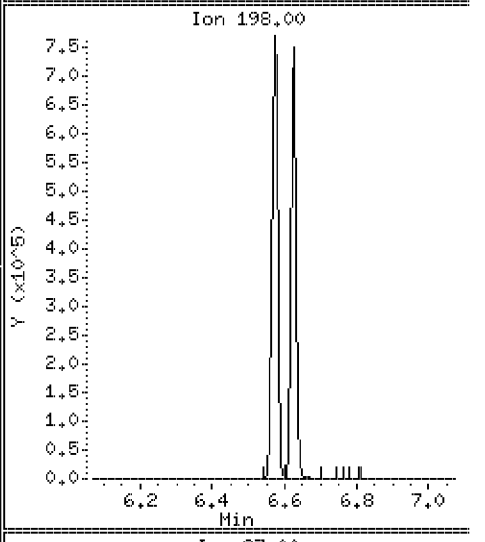
58 2,4,5-Trichlorophenol

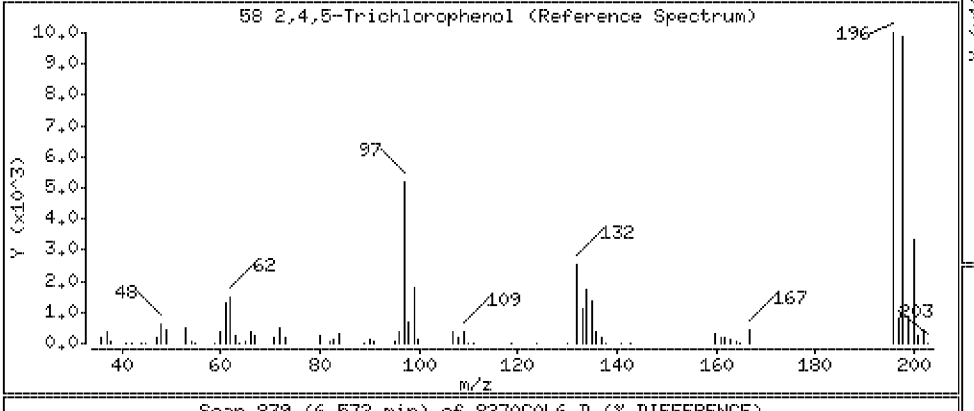
Concentration: 79.2 ug/l

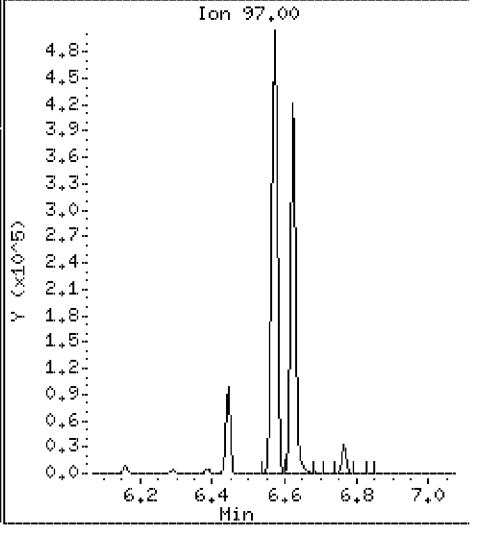


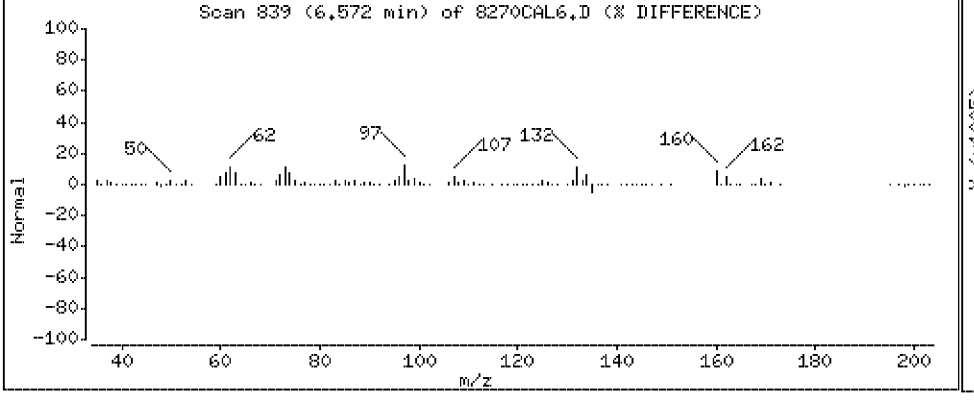












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

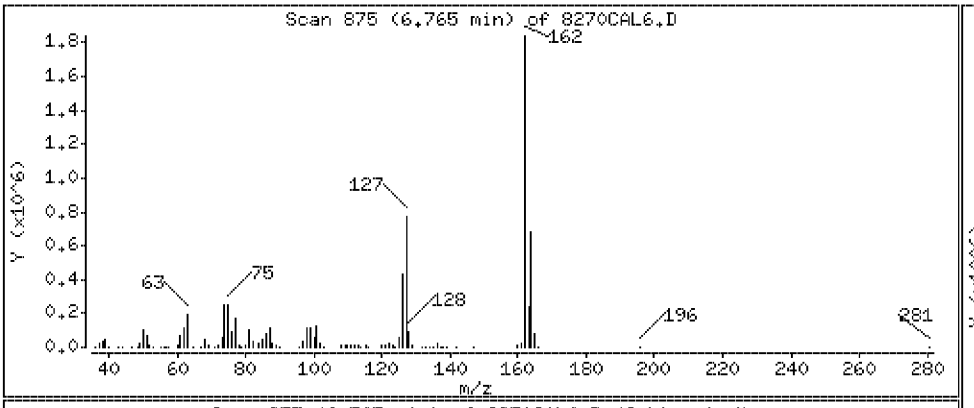
Operator: PEL

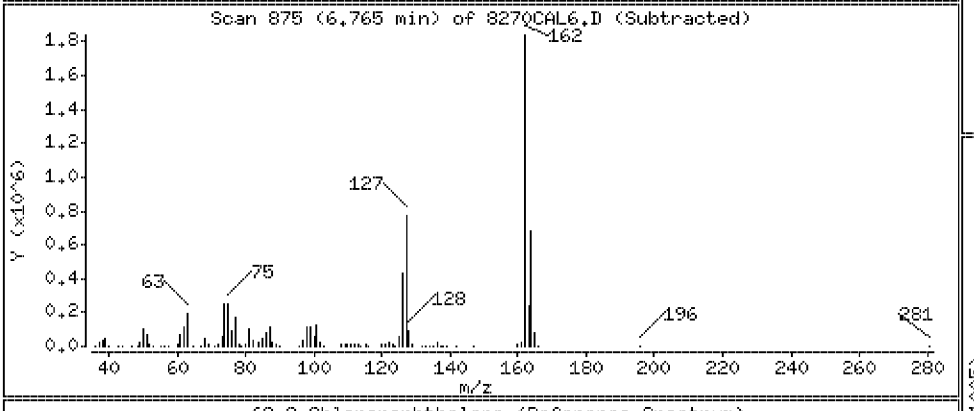
Column phase: HPMS-5

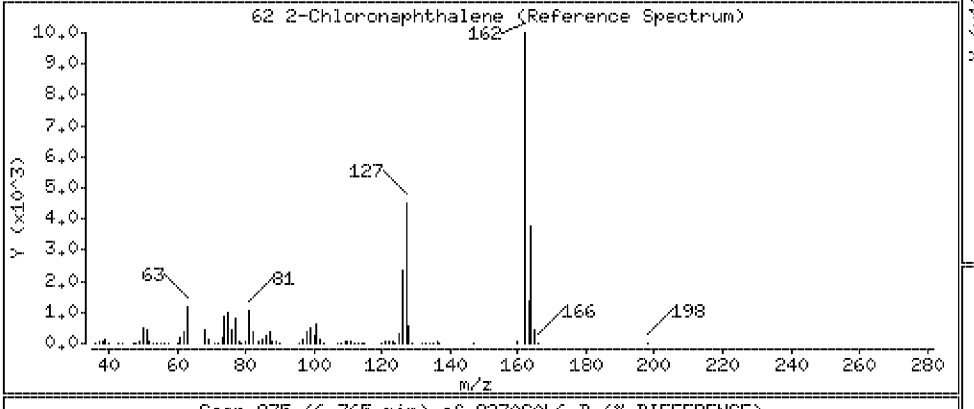
Column diameter: 0.25

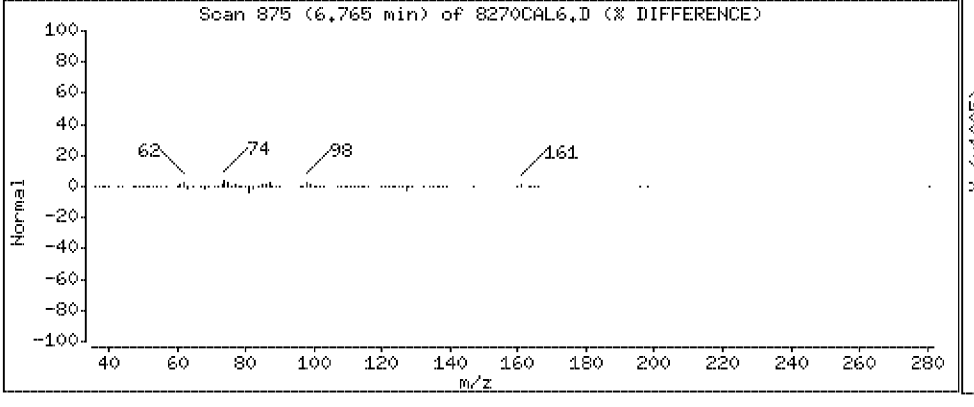
62 2-Chloronaphthalene

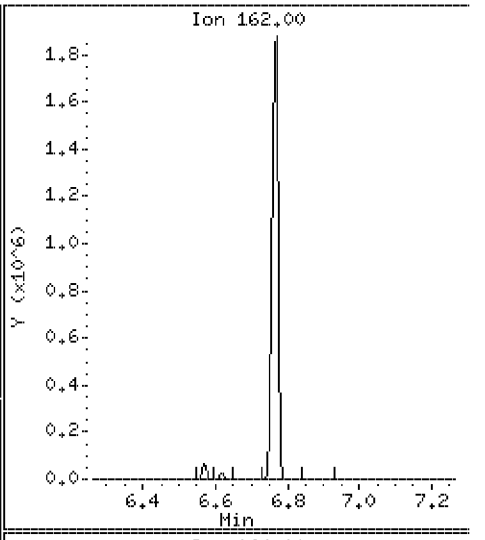
Concentration: 78.0 ug/l

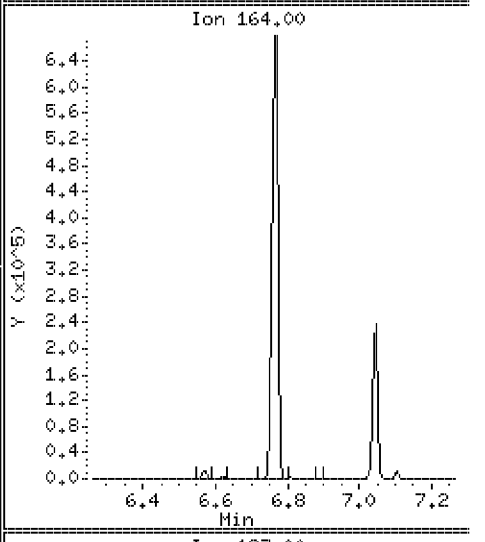


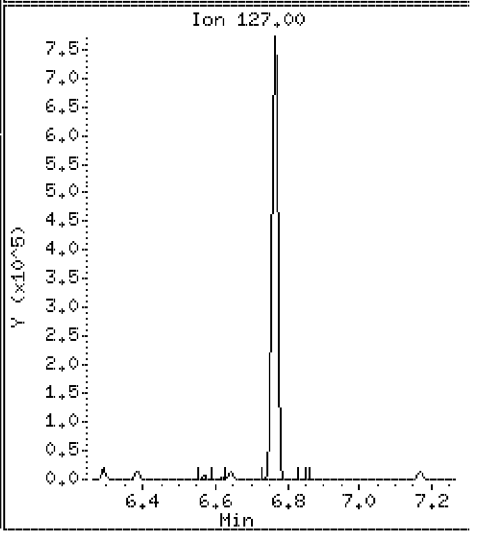












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

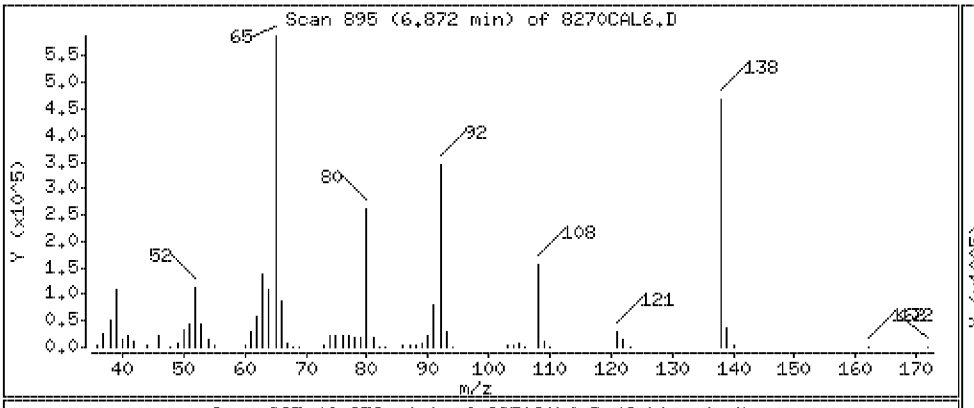
Operator: PEL

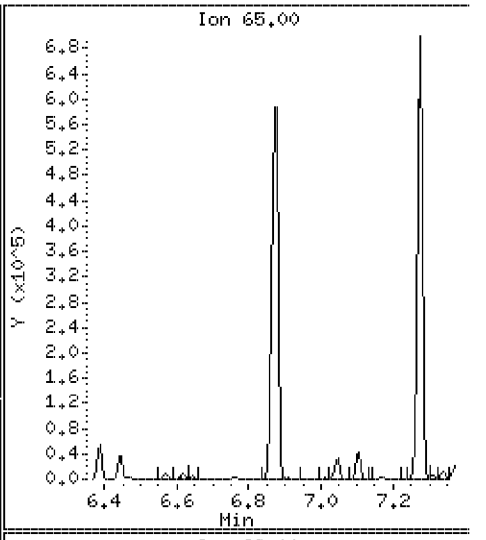
Column phase: HPMS-5

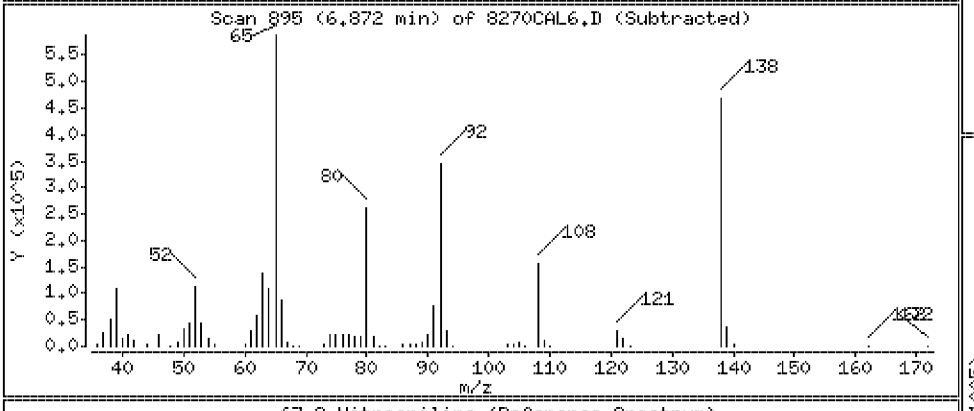
Column diameter: 0.25

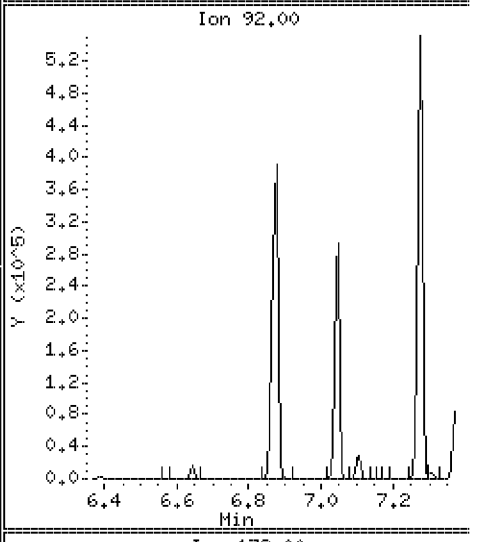
63 2-Nitroaniline

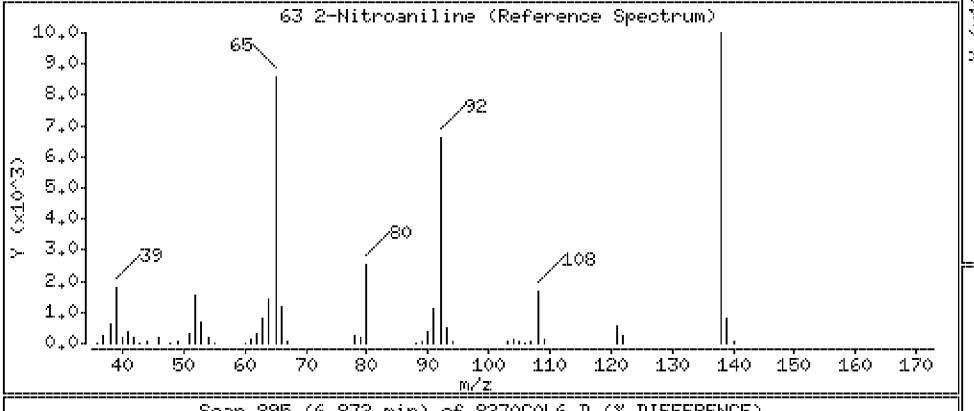
Concentration: 76.9 ug/l

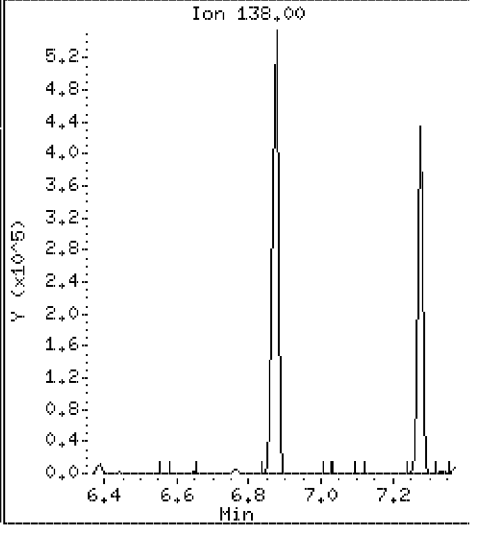


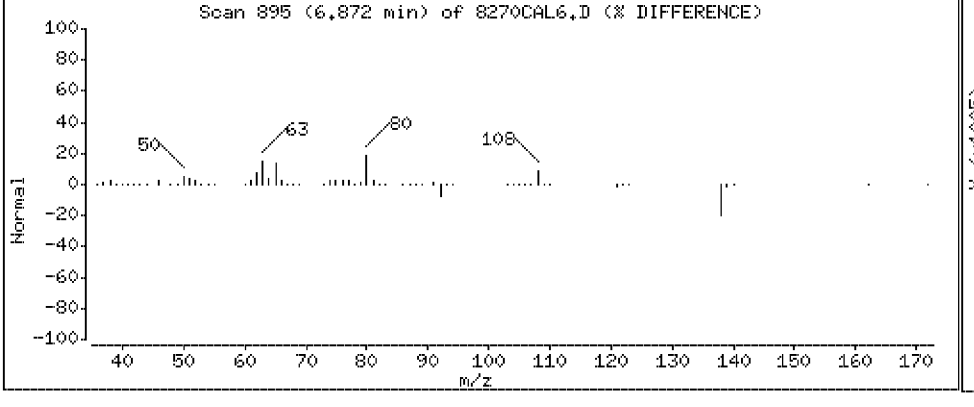












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

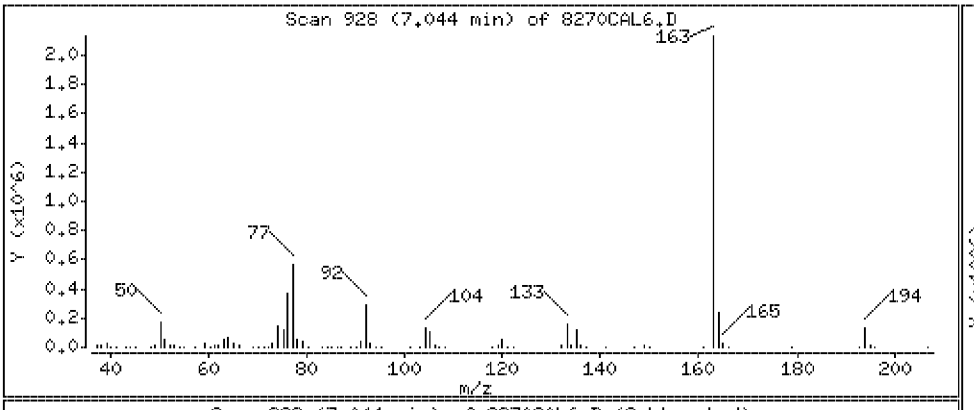
Operator: PEL

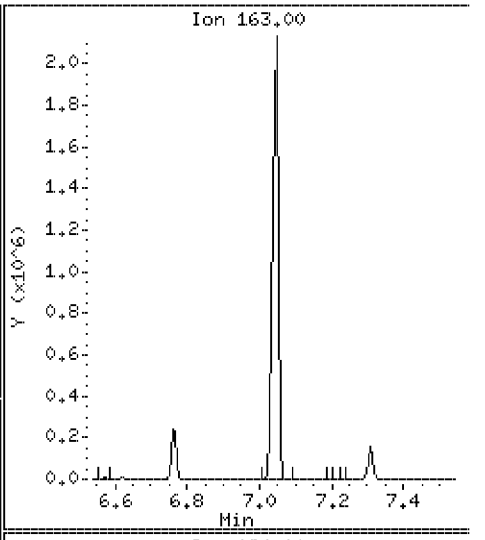
Column phase: HPMS-5

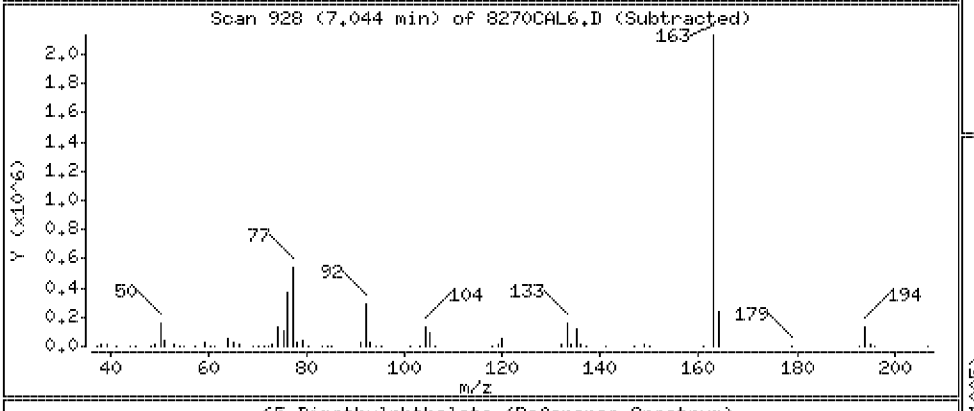
Column diameter: 0.25

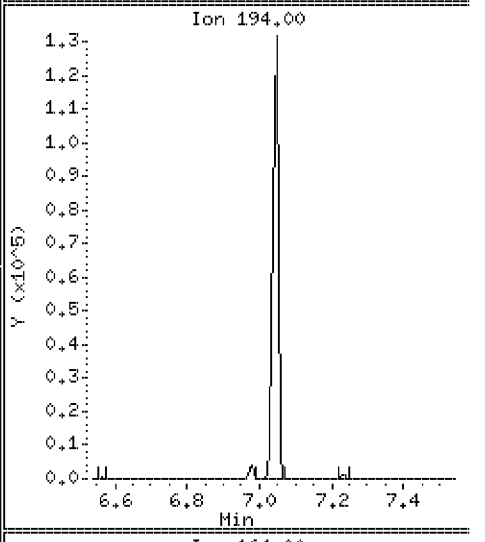
65 Dimethylphthalate

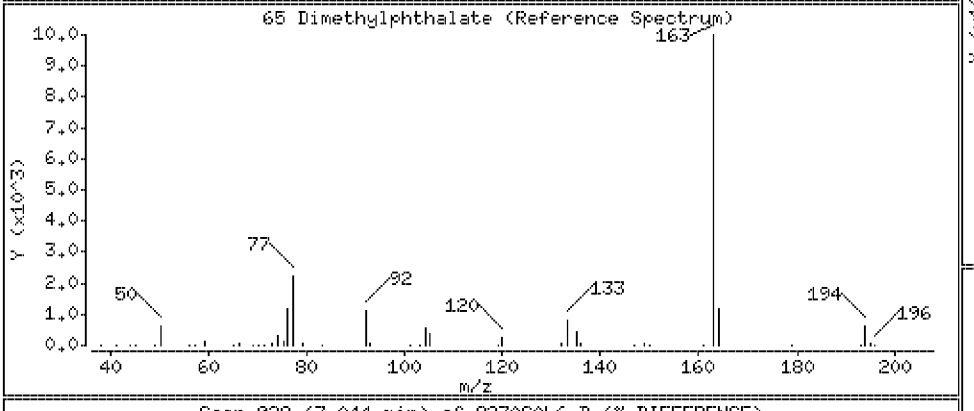
Concentration: 74.9 ug/l

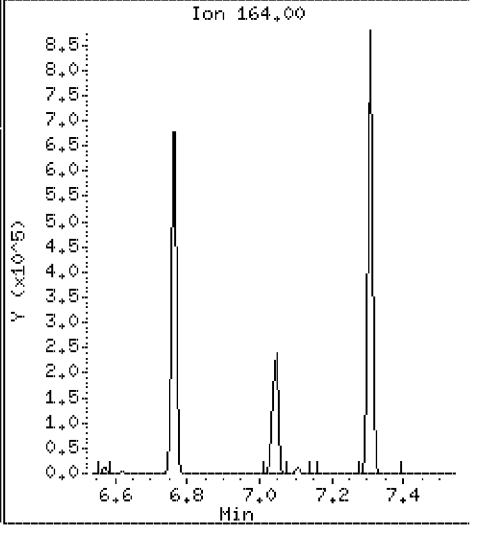


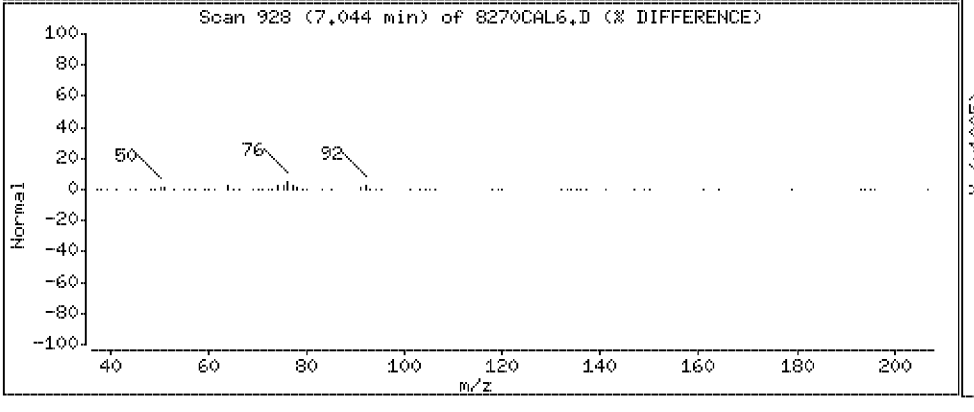












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

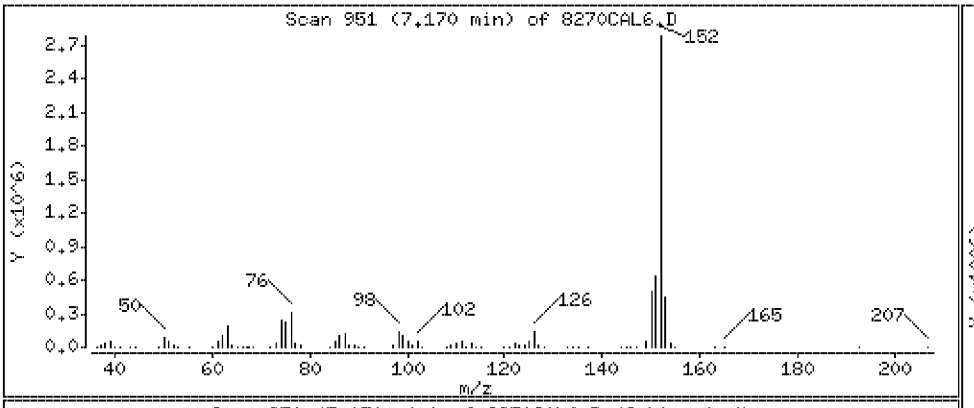
Operator: PEL

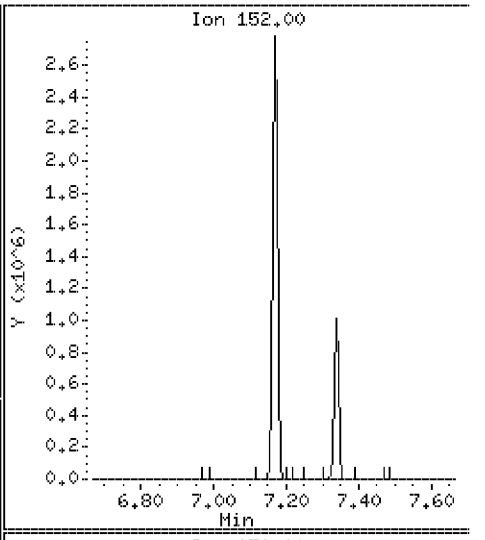
Column phase: HPMS-5

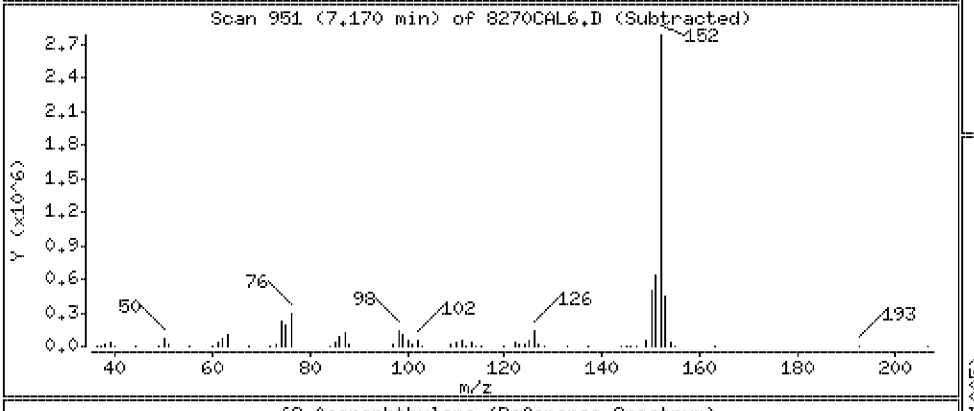
Column diameter: 0.25

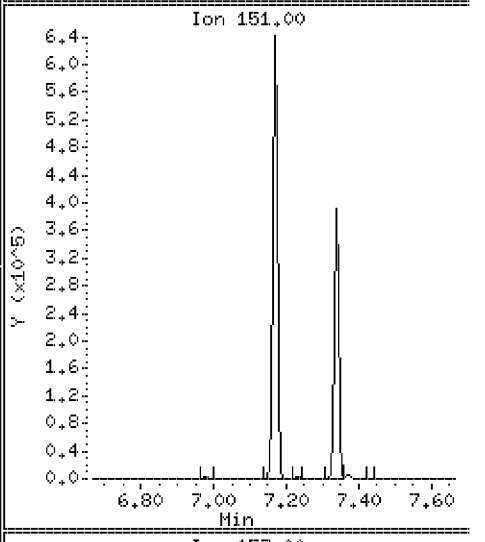
68 Acenaphthylene

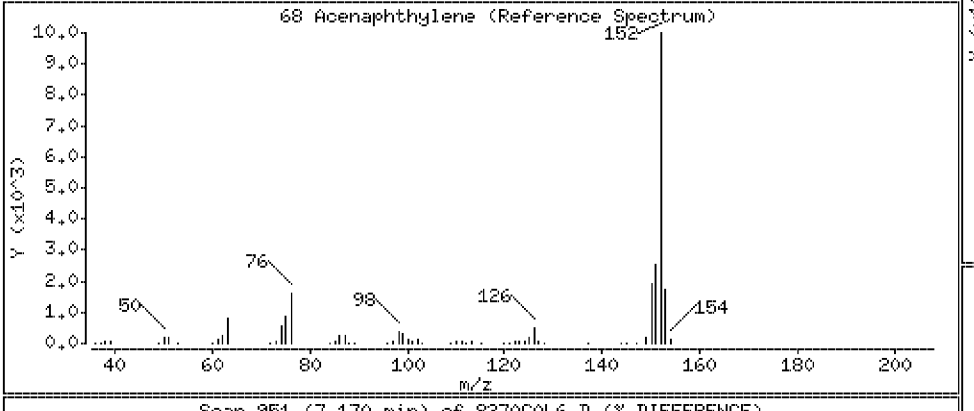
Concentration: 76.5 ug/l

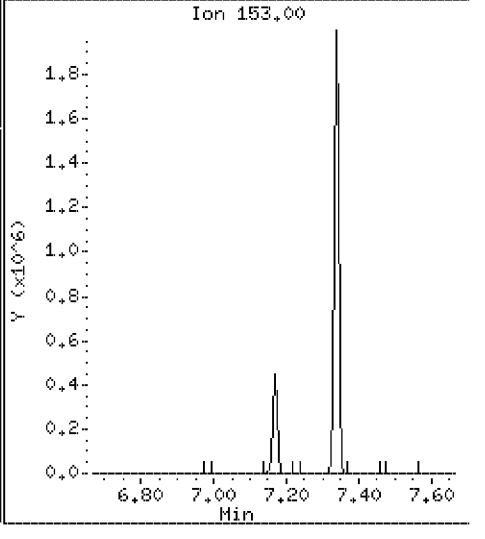


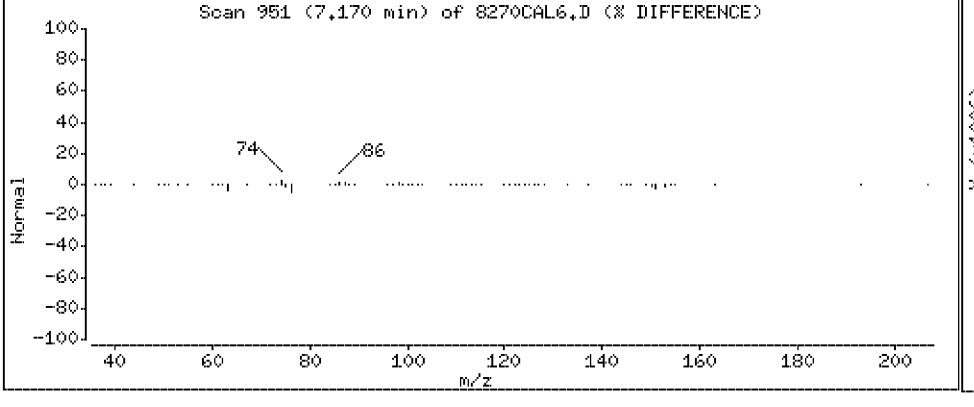












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

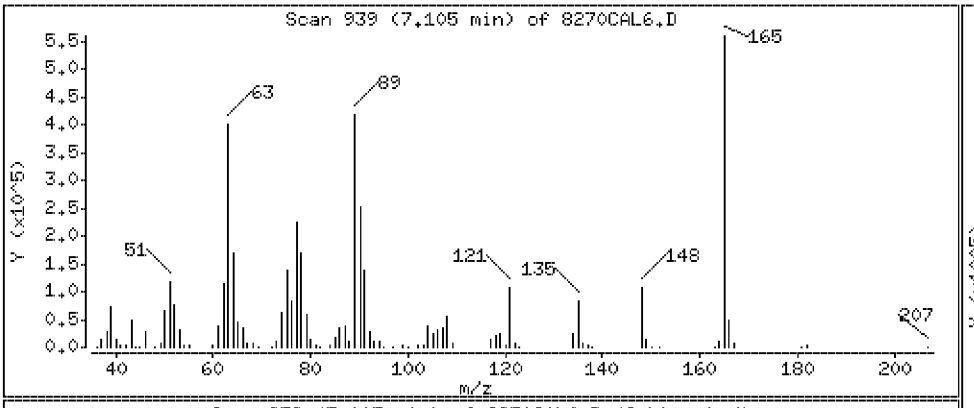
Operator: PEL

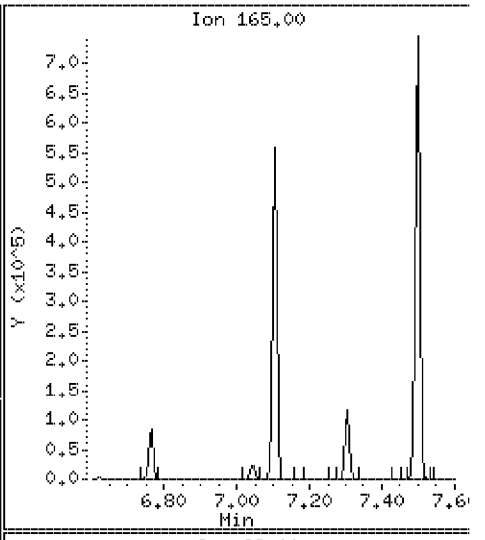
Column phase: HPMS-5

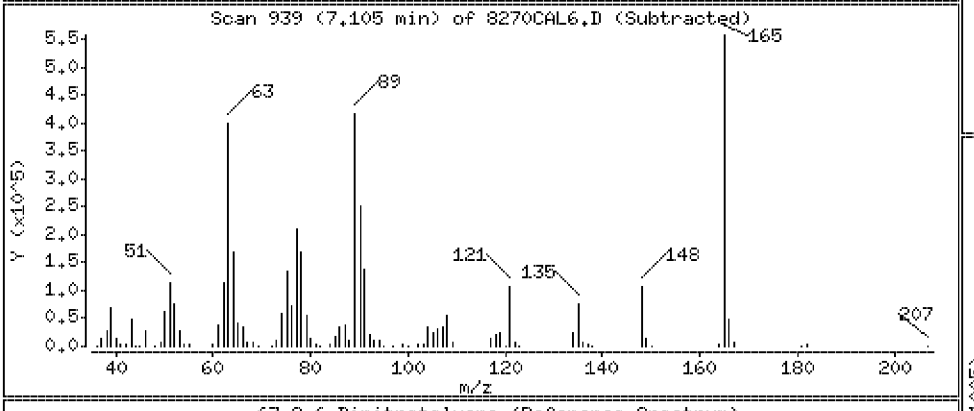
Column diameter: 0.25

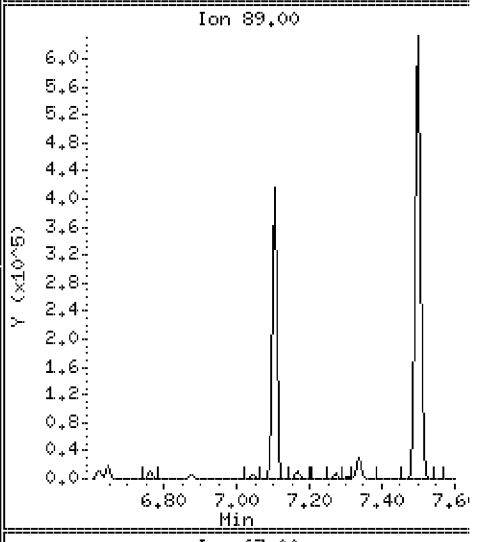
67 2,6-Dinitrotoluene

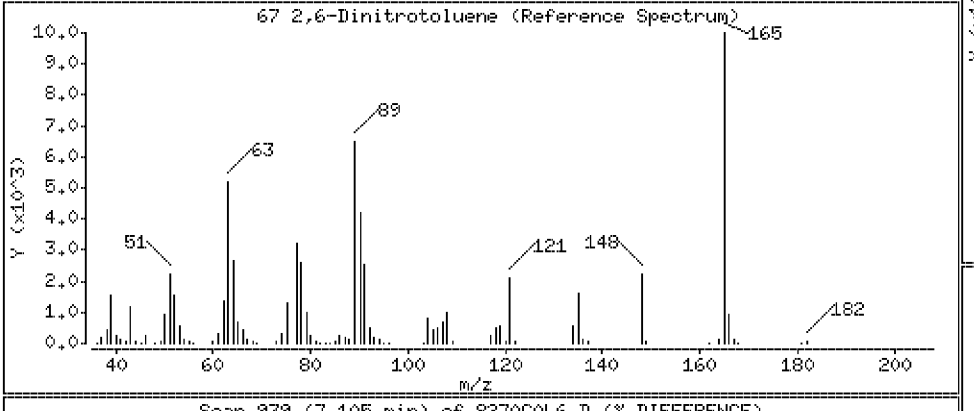
Concentration: 79.3 ug/l

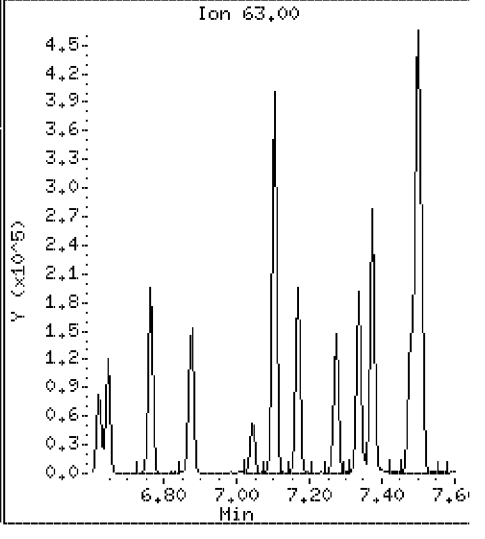


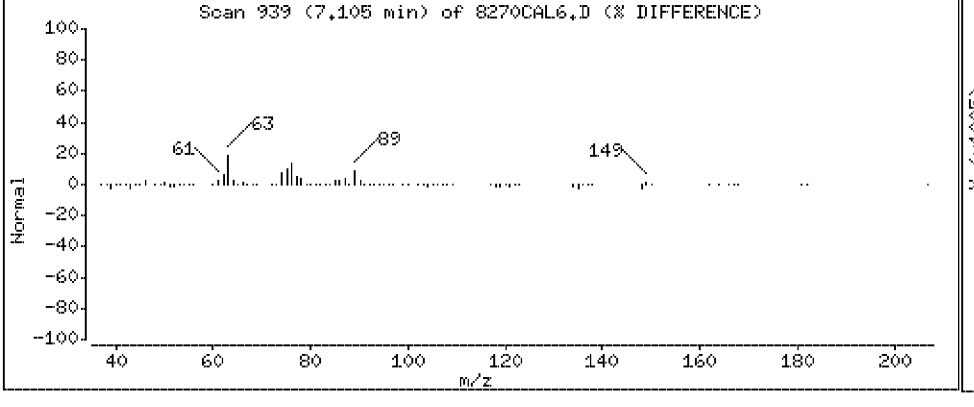












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

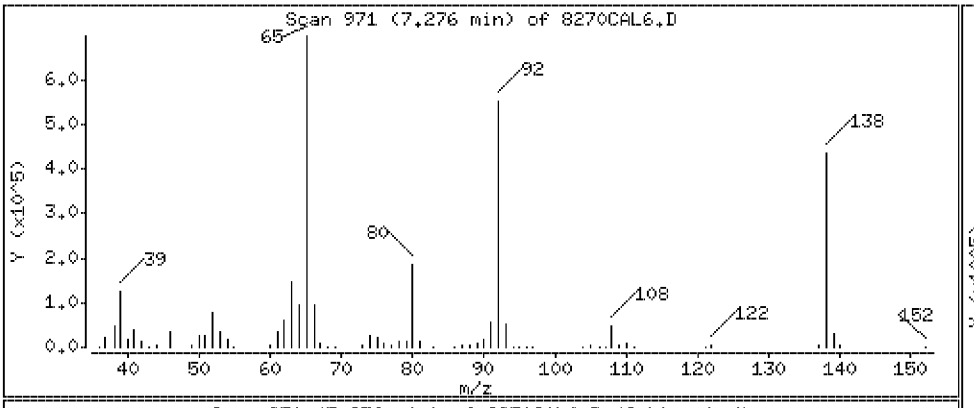
Operator: PEL

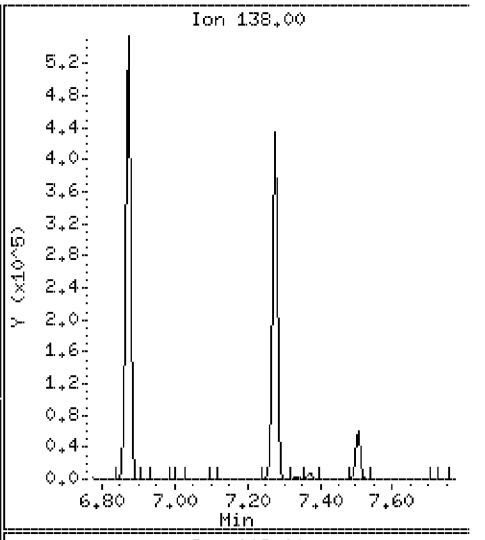
Column phase: HPMS-5

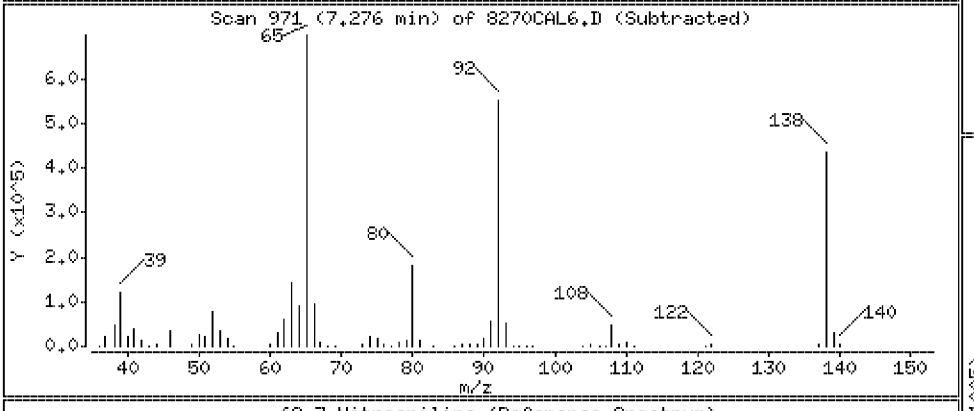
Column diameter: 0.25

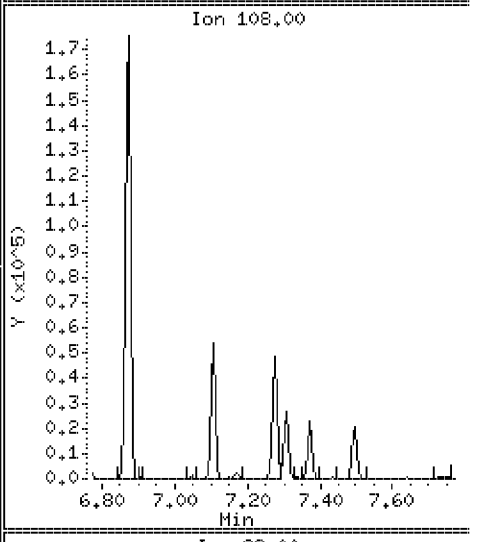
69 3-Nitroaniline

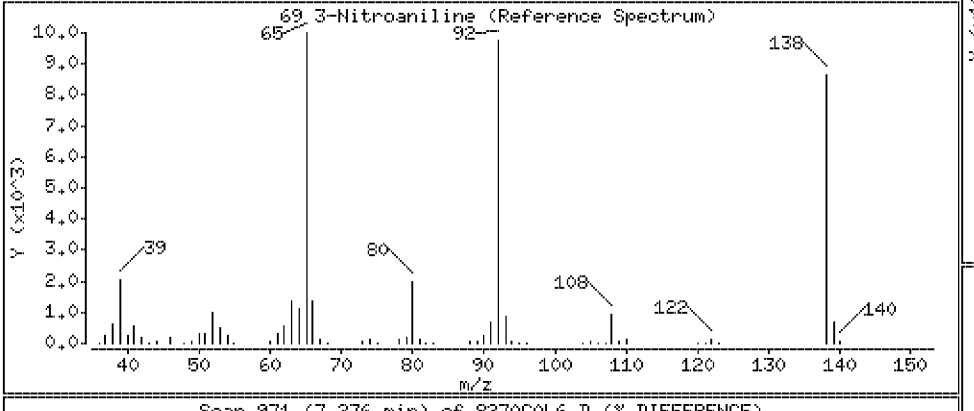
Concentration: 77.1 ug/l

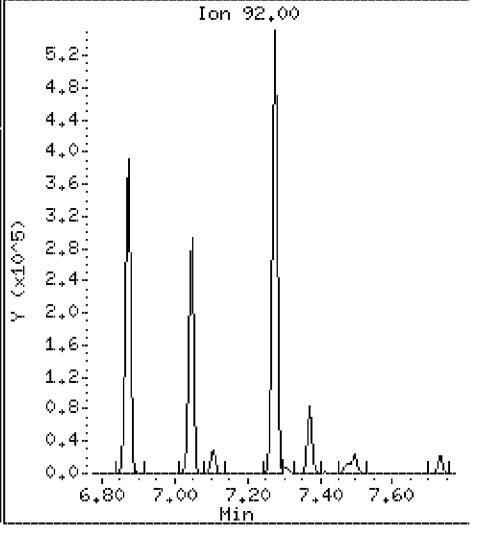


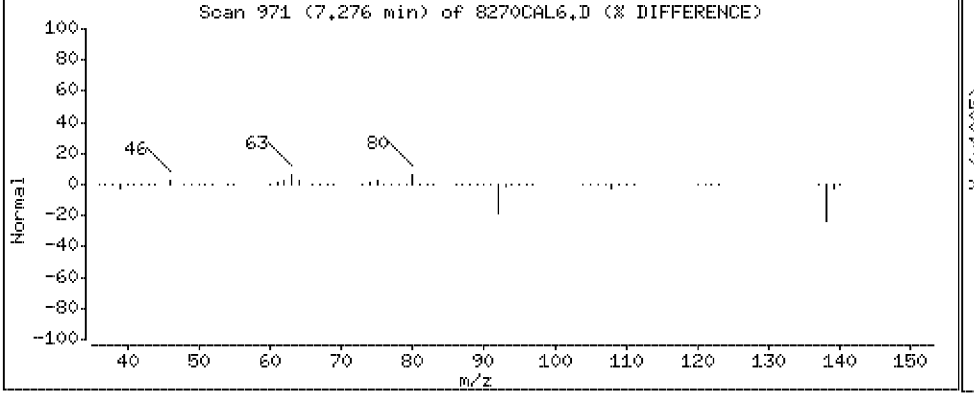












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

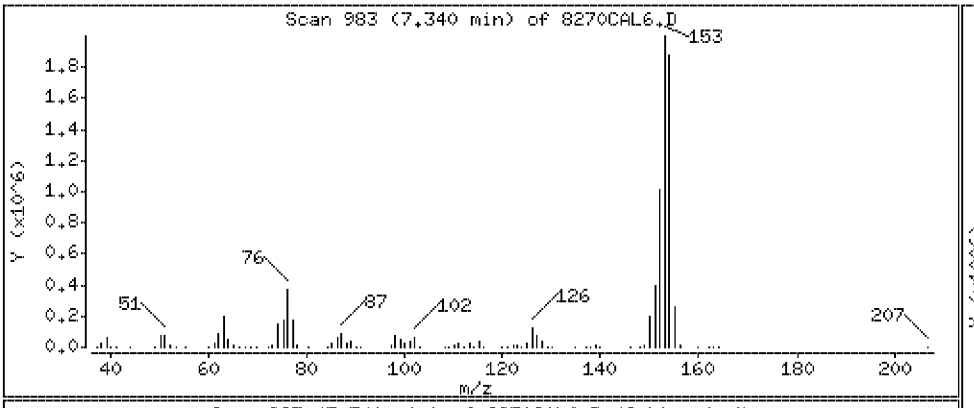
Operator: PEL

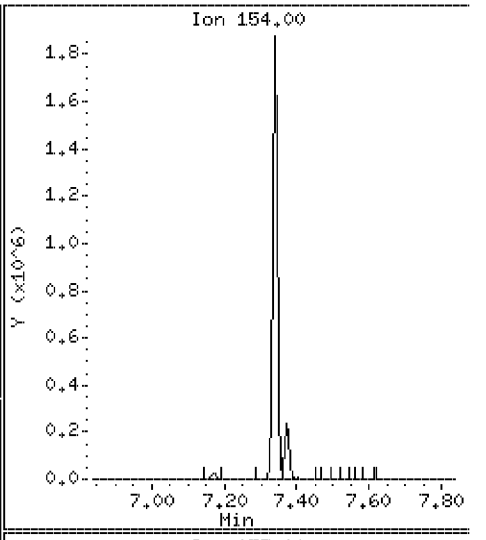
Column phase: HPMS-5

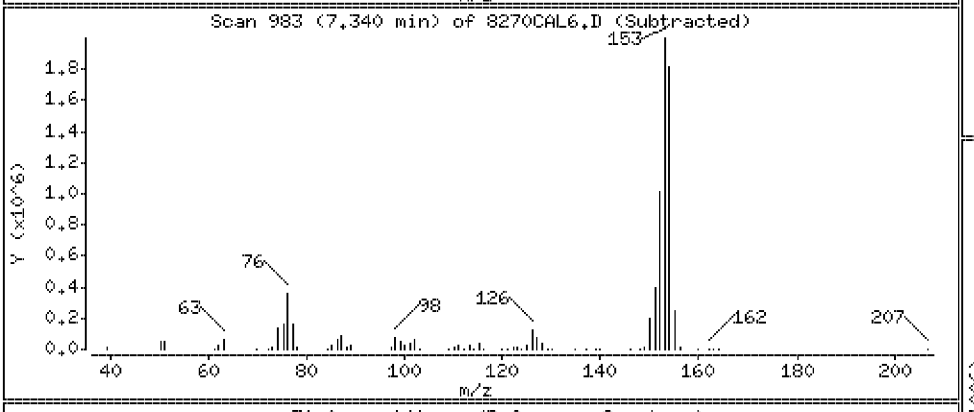
Column diameter: 0.25

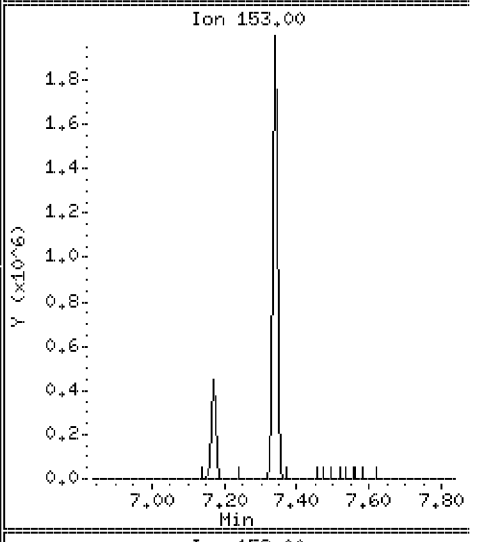
71 Acenaphthene

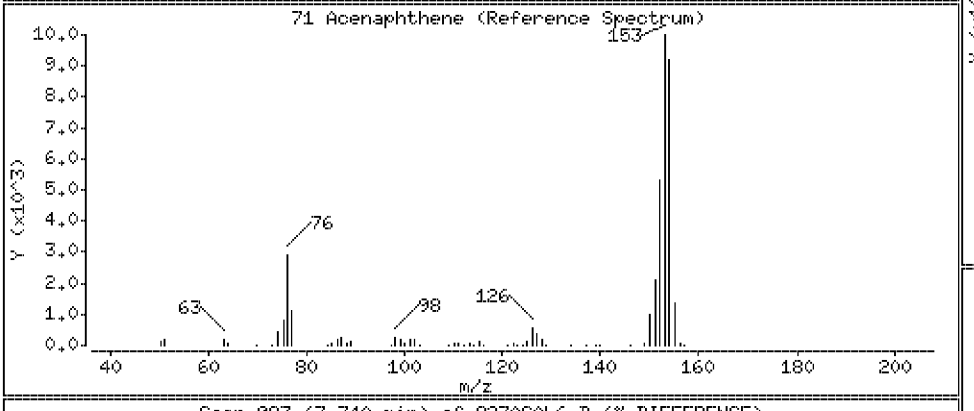
Concentration: 78.9 ug/l

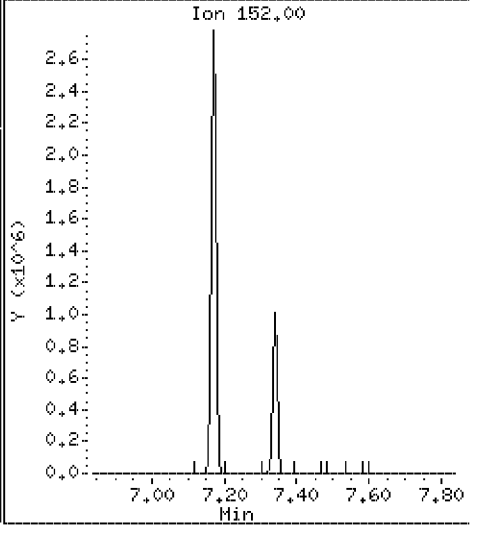


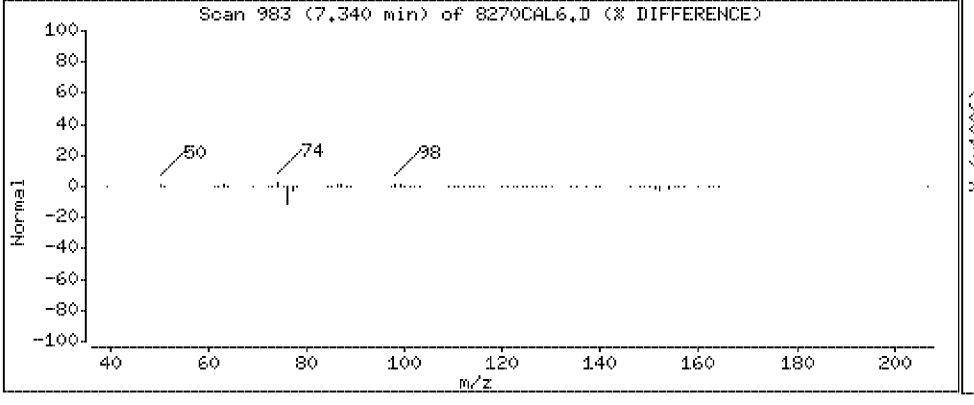












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

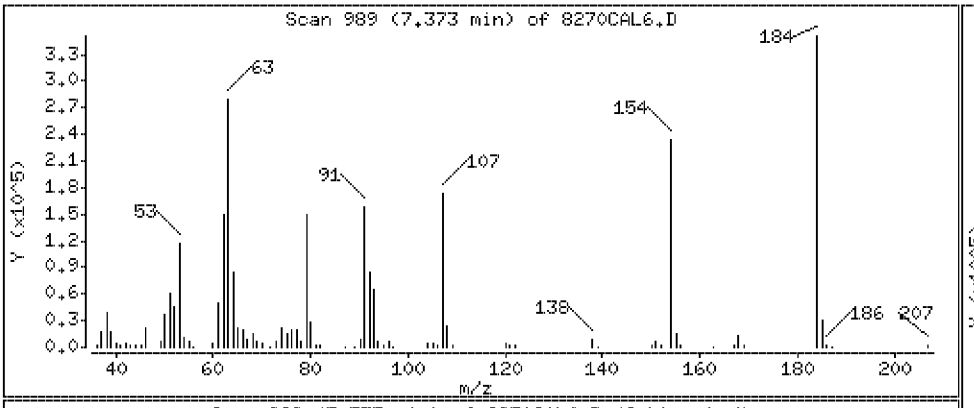
Operator: PEL

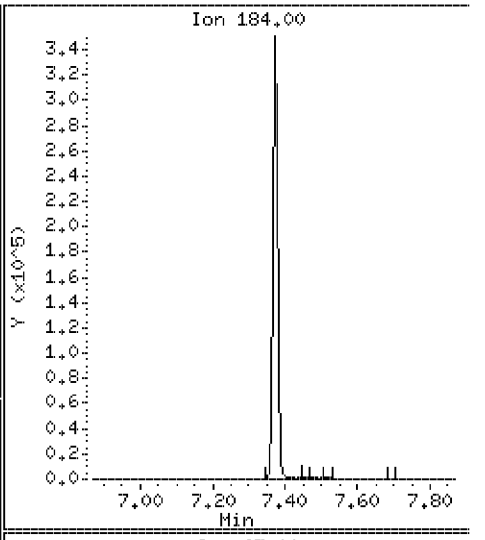
Column phase: HPMS-5

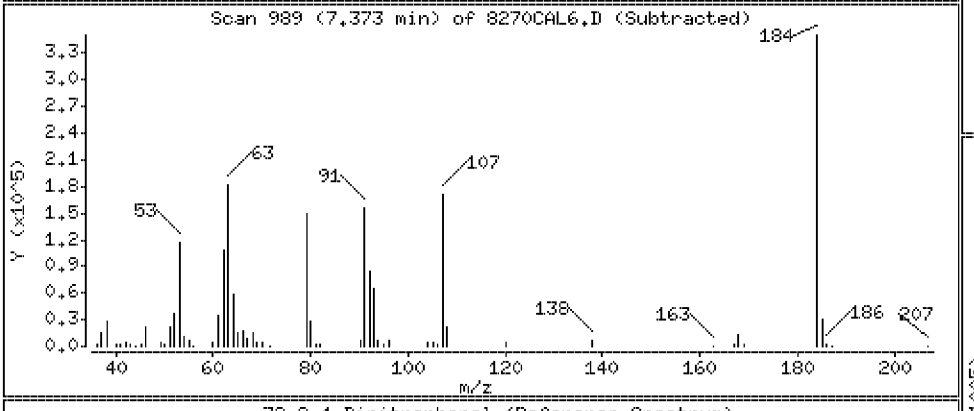
Column diameter: 0.25

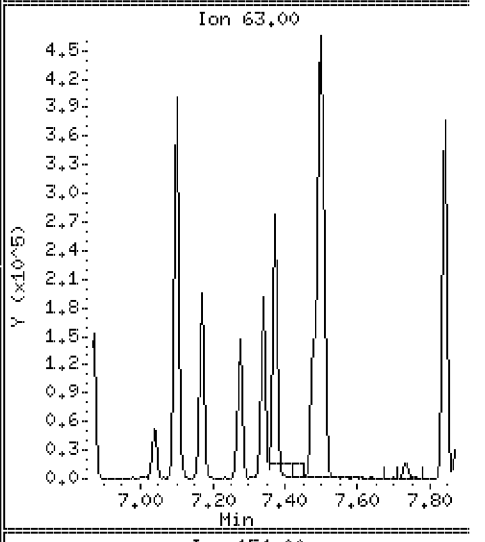
72 2,4-Dinitrophenol

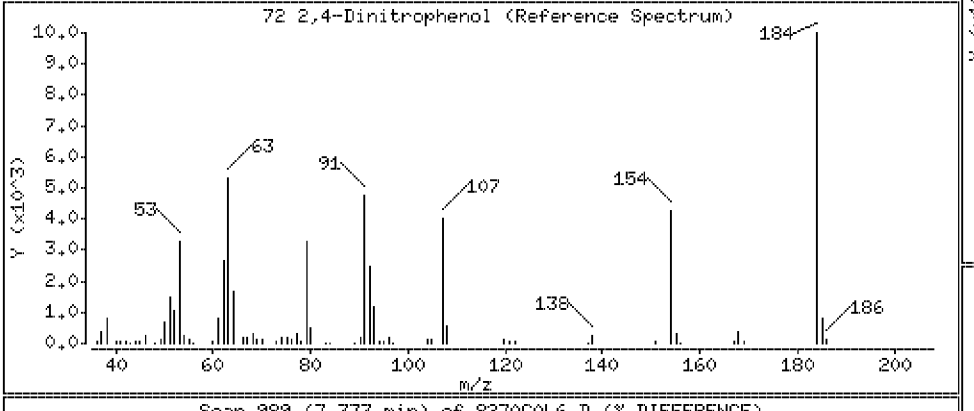
Concentration: 75.3 ug/l

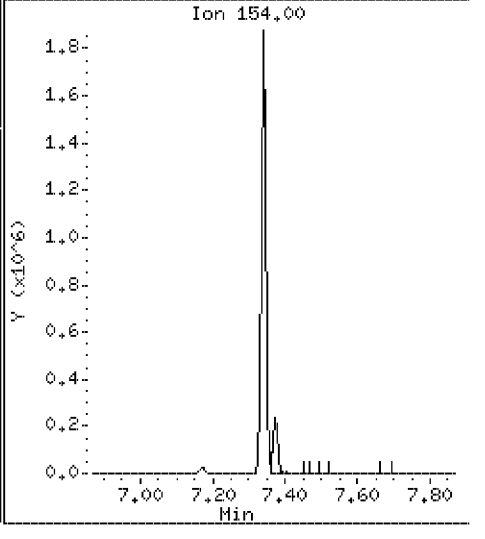


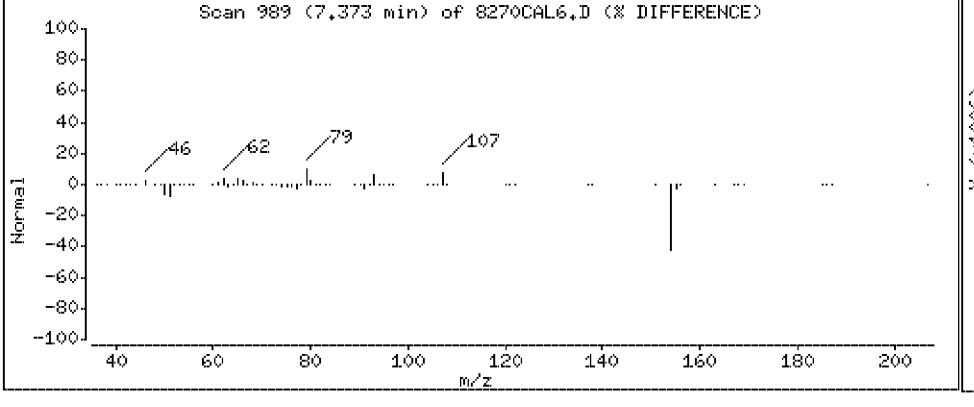












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

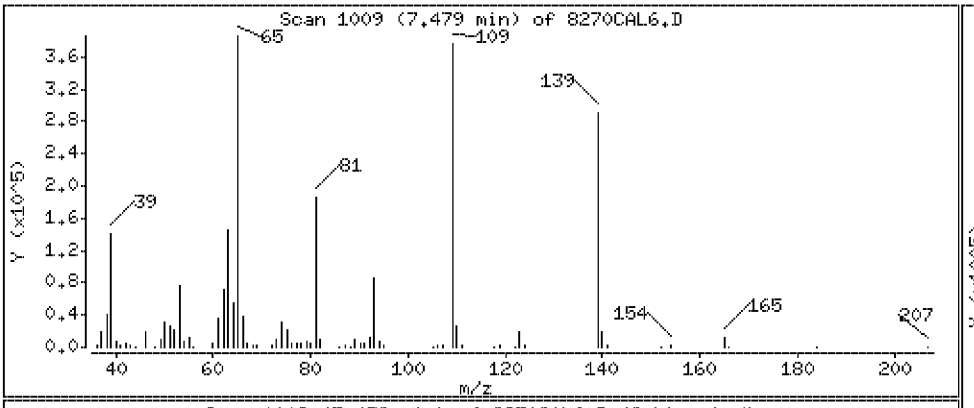
Operator: PEL

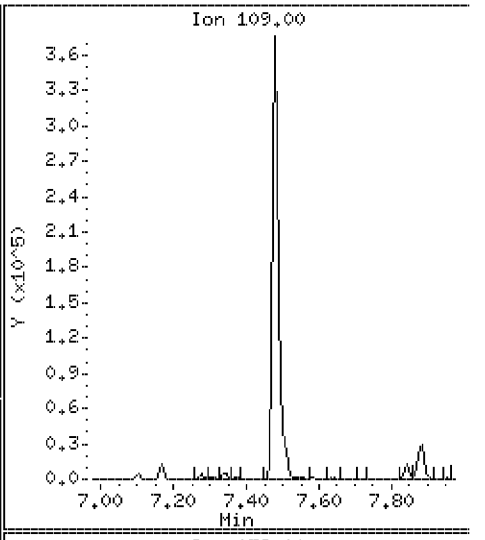
Column phase: HPMS-5

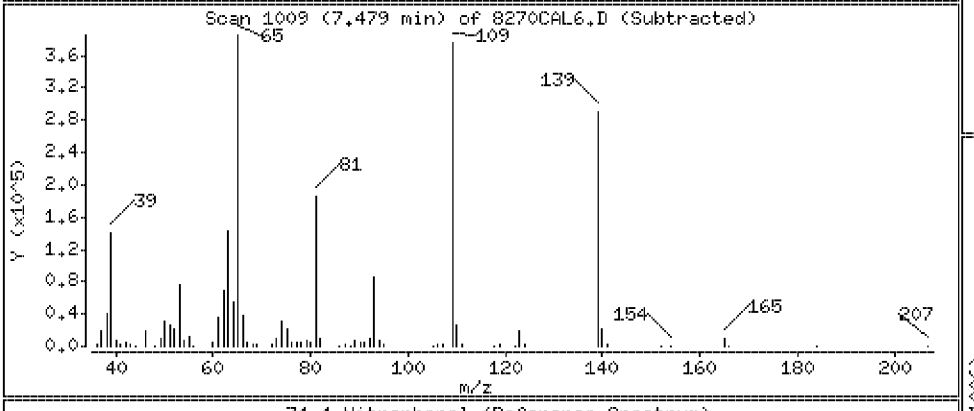
Column diameter: 0.25

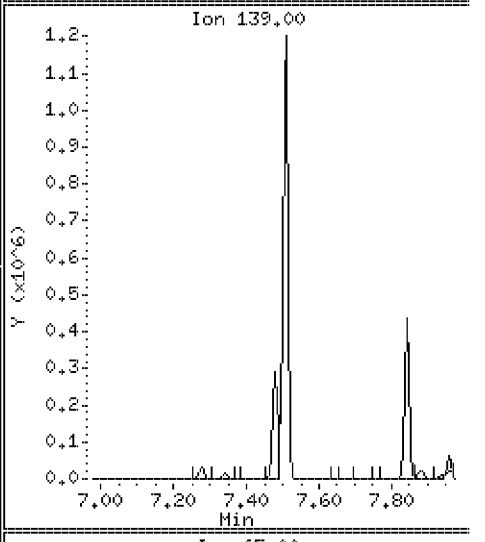
74 4-Nitrophenol

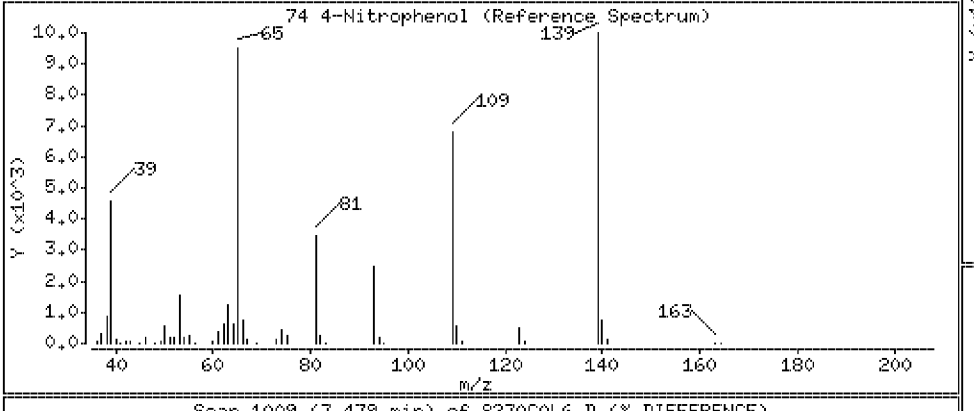
Concentration: 78.5 ug/l

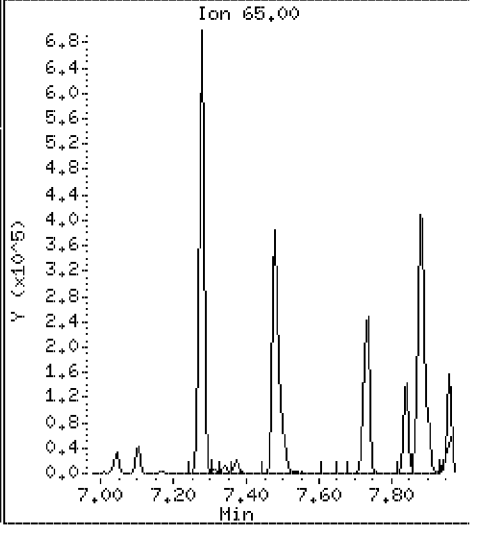


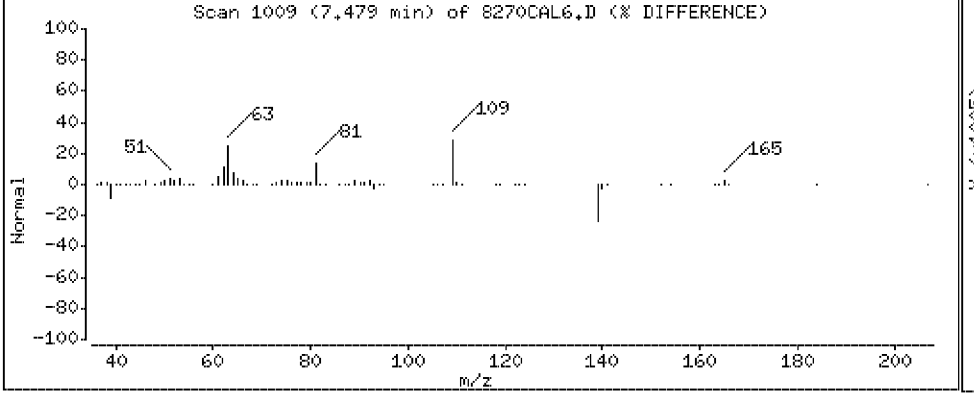












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

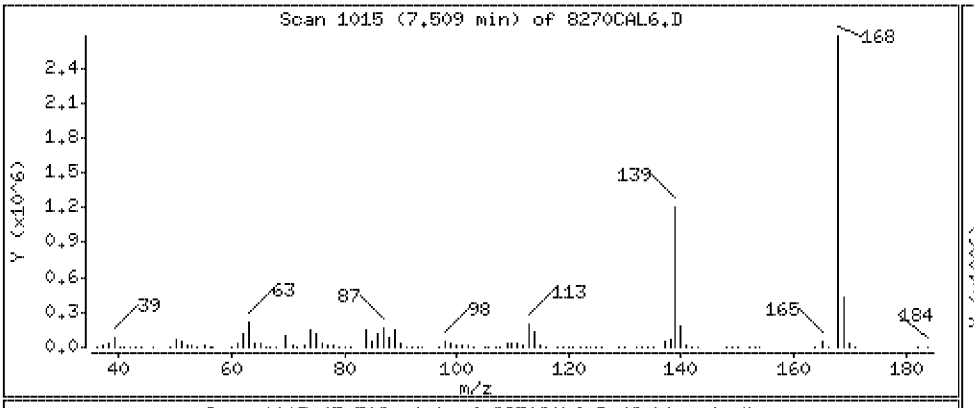
Operator: PEL

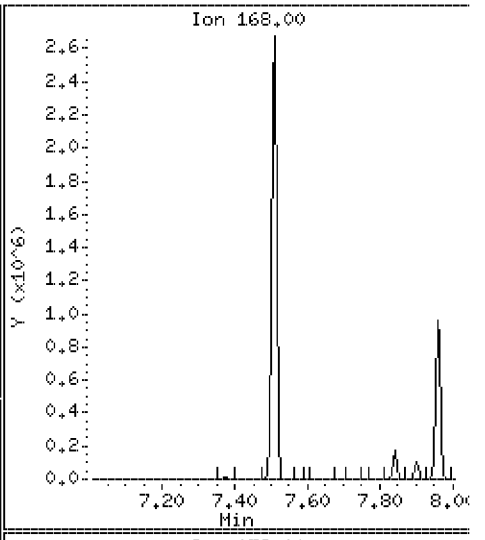
Column phase: HPMS-5

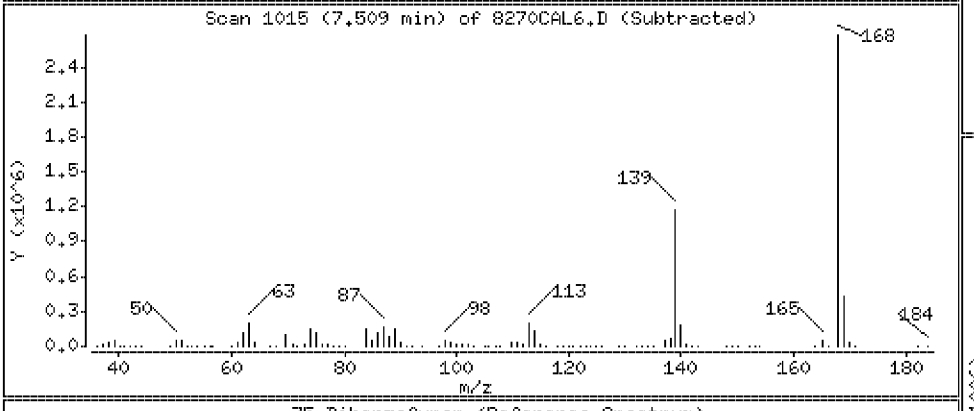
Column diameter: 0.25

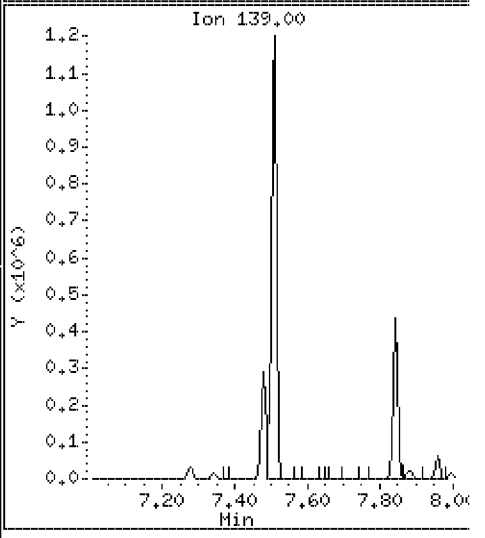
75 Dibenzofuran

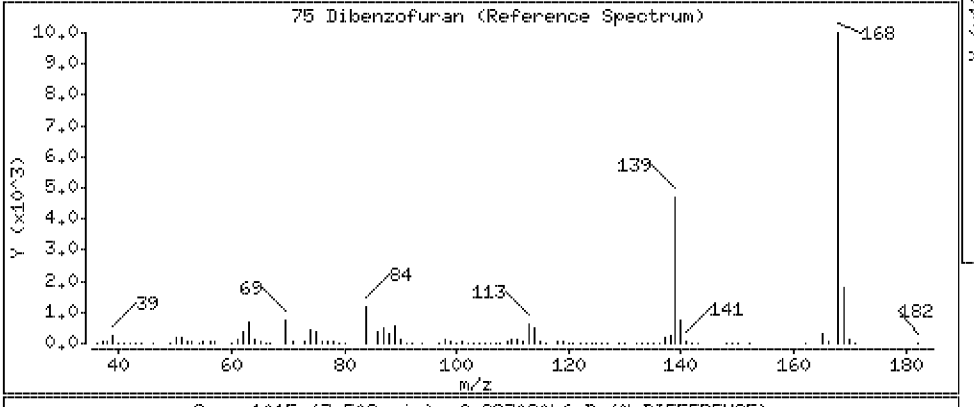
Concentration: 76.2 ug/l

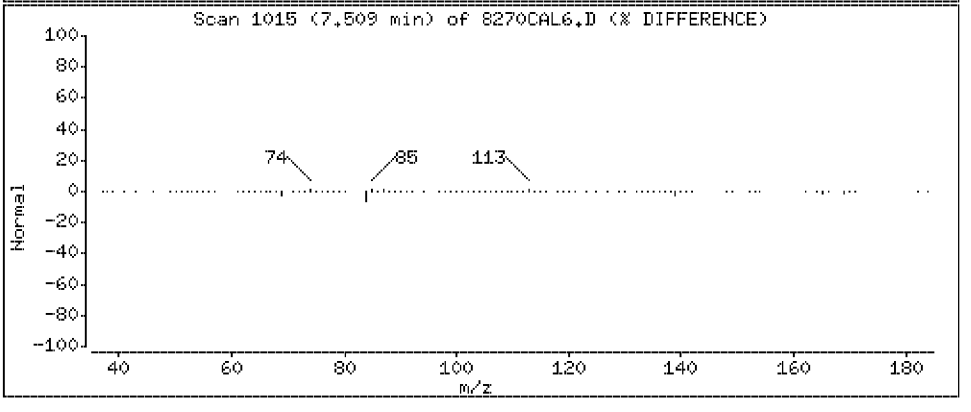












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

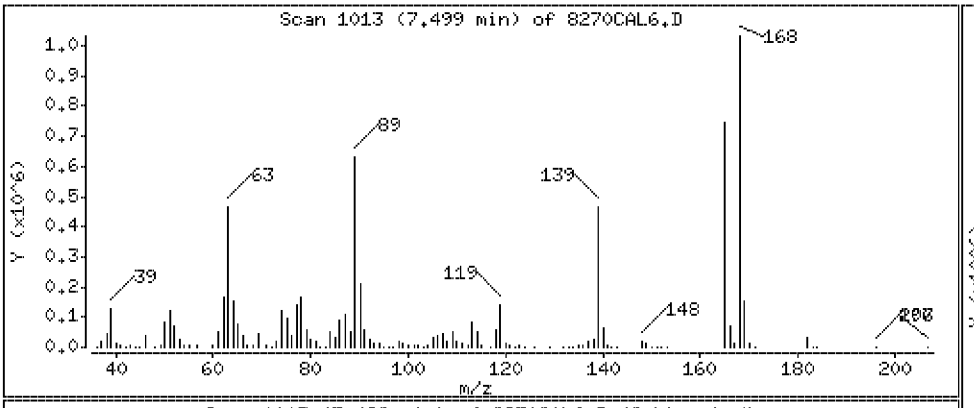
Operator: PEL

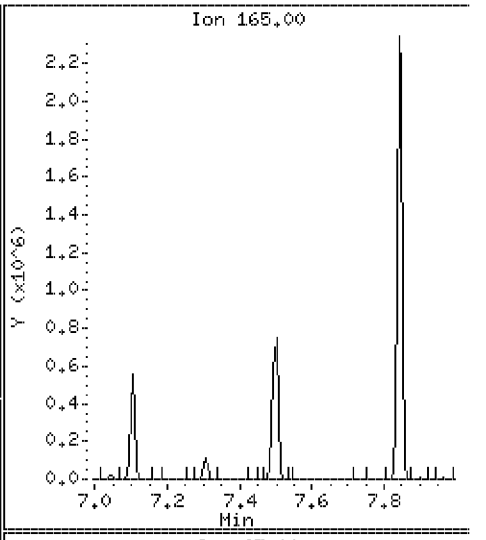
Column phase: HPMS-5

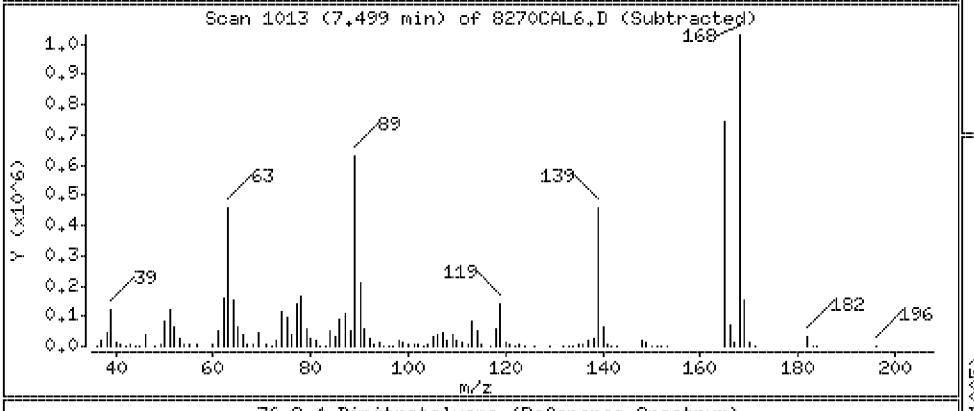
Column diameter: 0.25

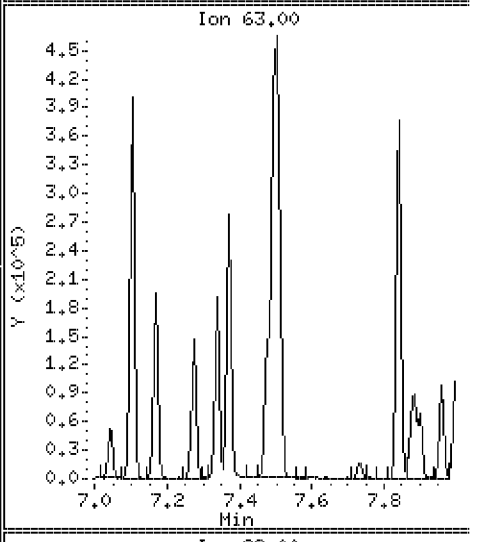
76 2,4-Dinitrotoluene

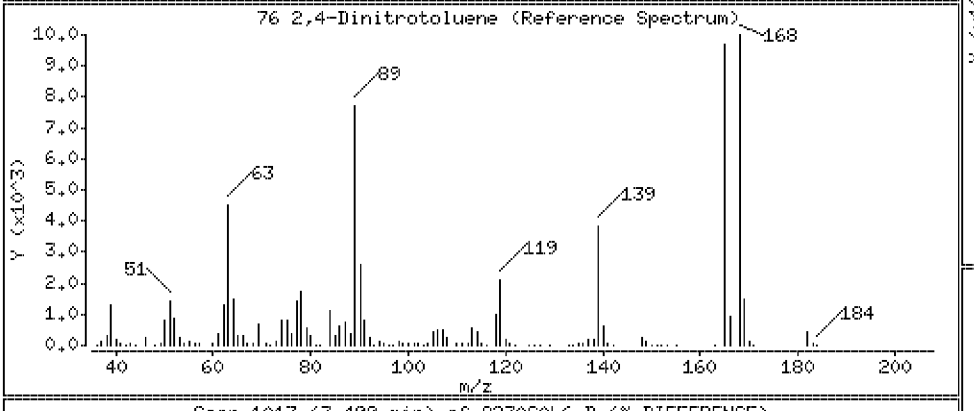
Concentration: 80.2 ug/l

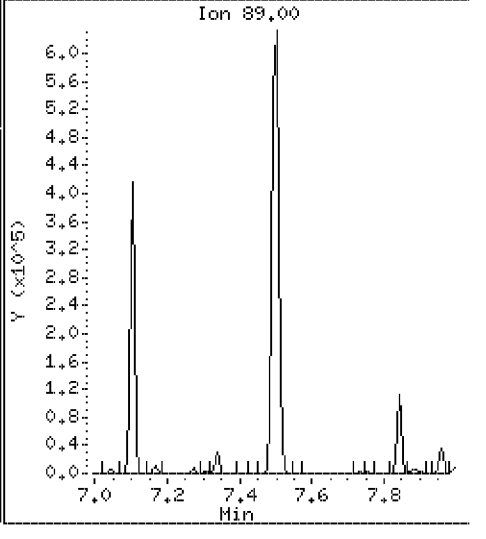


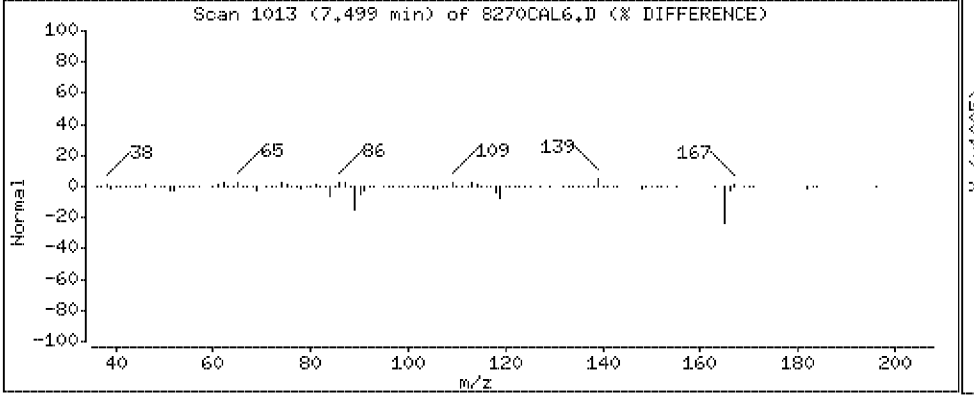












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

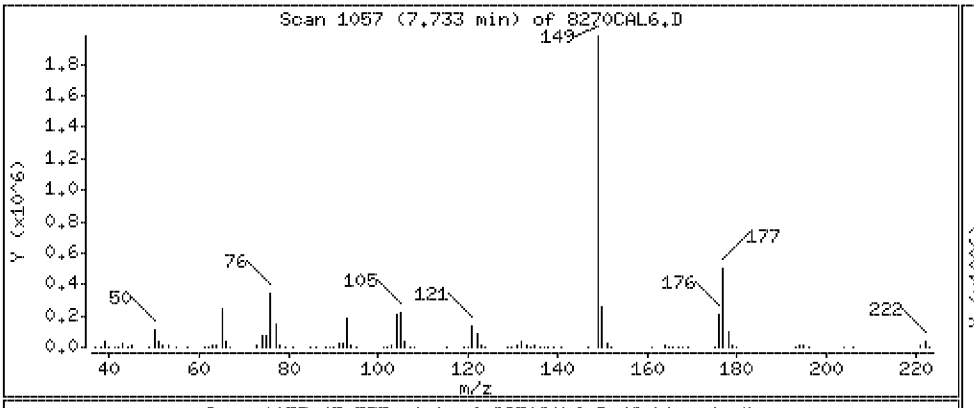
Operator: PEL

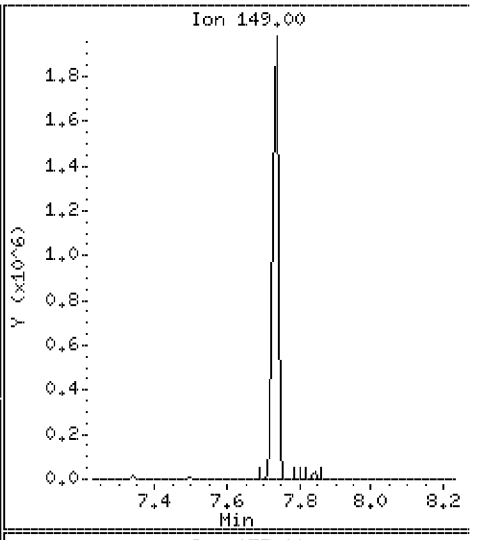
Column phase: HPMS-5

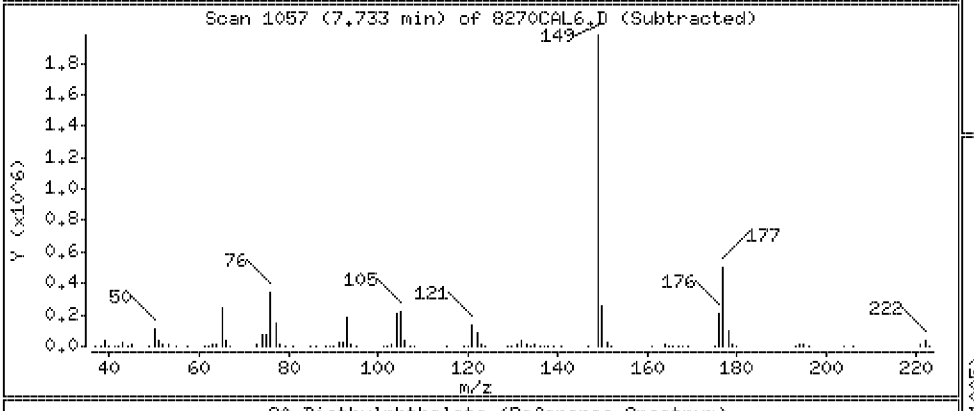
Column diameter: 0.25

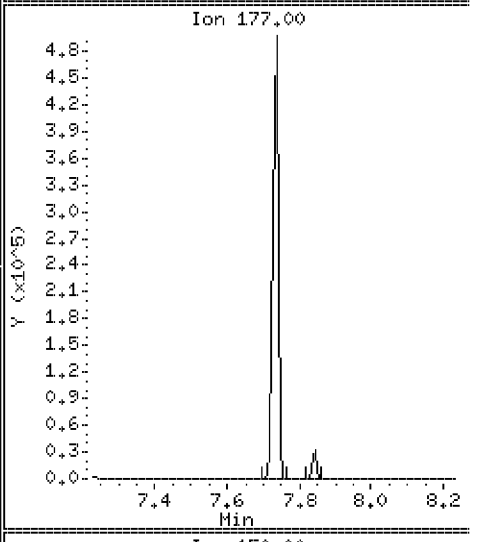
80 Diethylphthalate

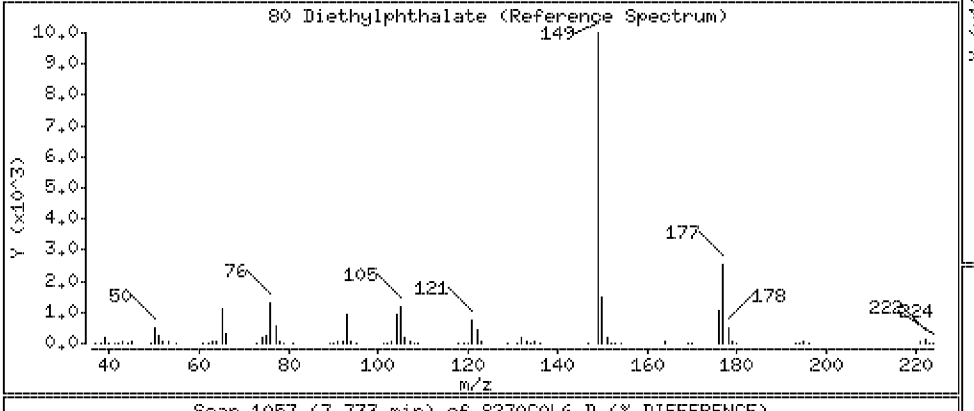
Concentration: 74.9 ug/l

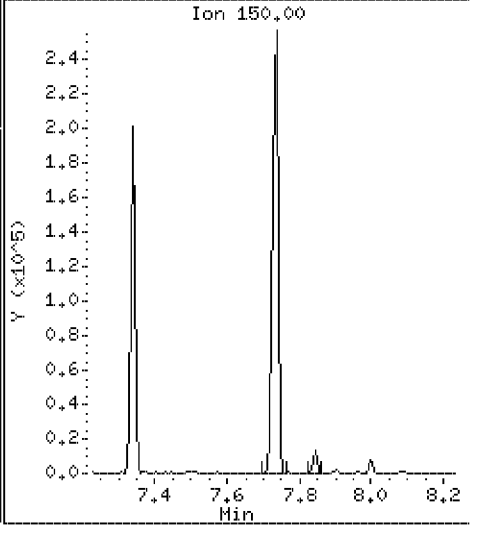


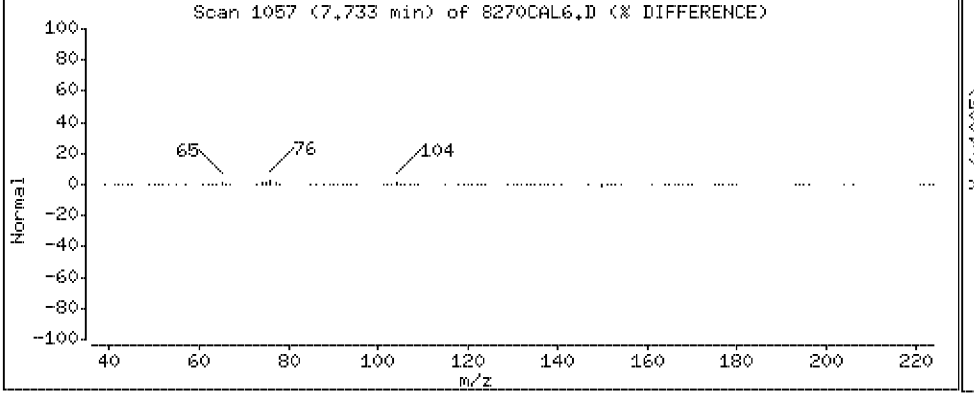












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

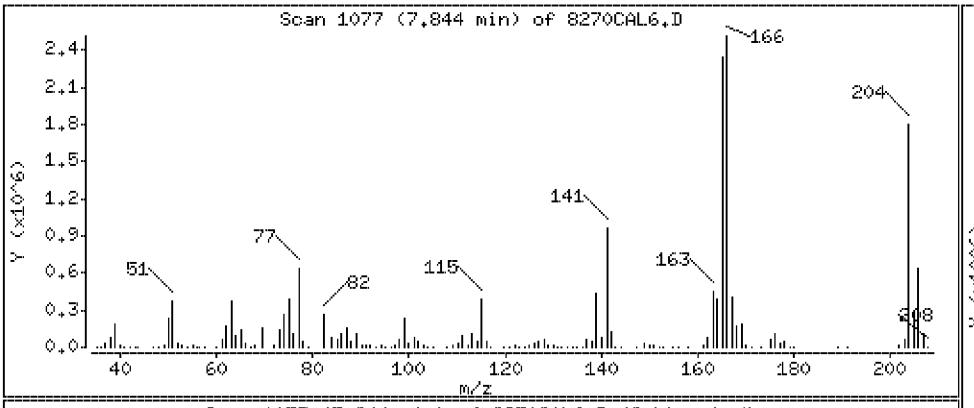
Operator: PEL

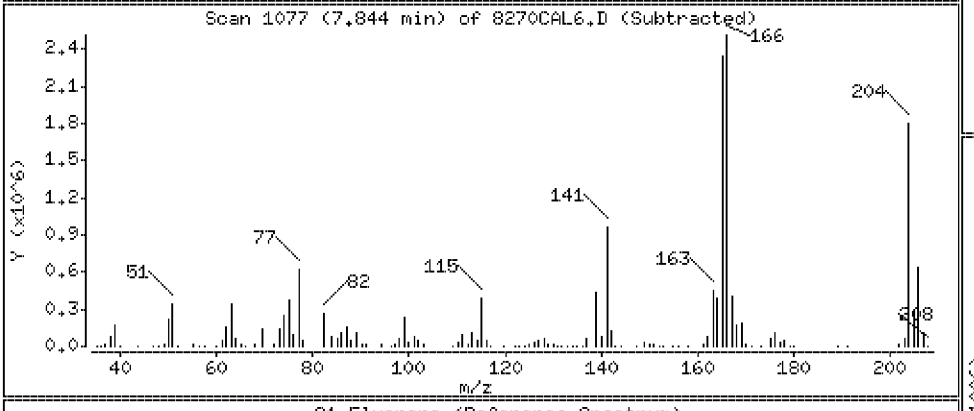
Column phase: HPMS-5

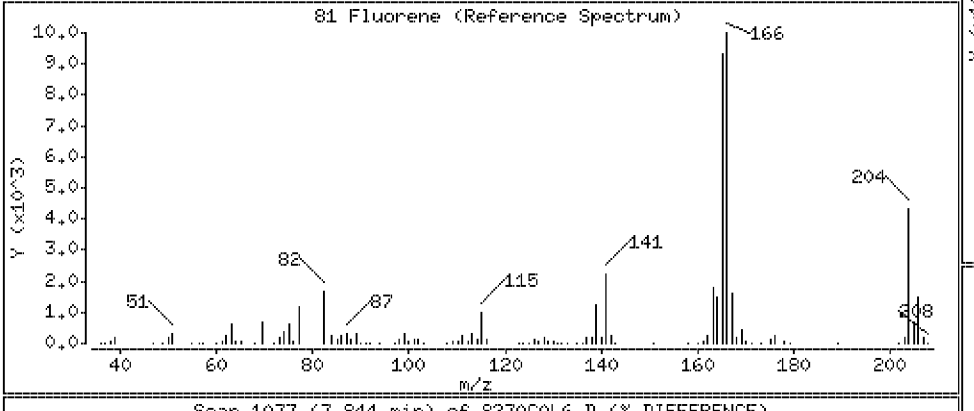
Column diameter: 0.25

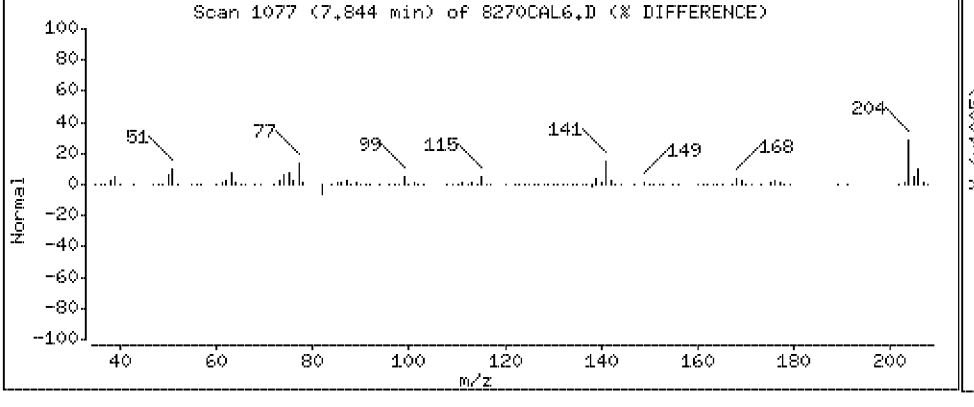
81 Fluorene

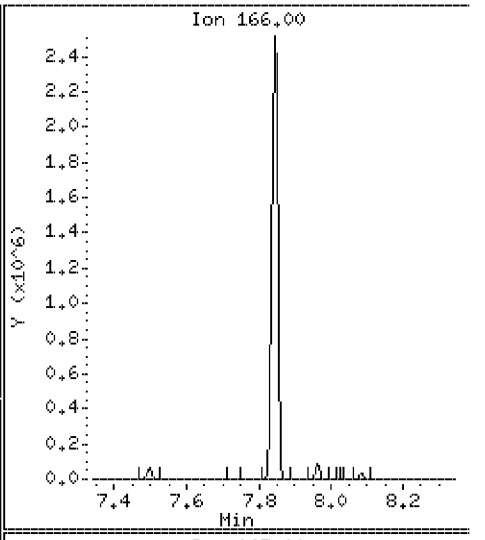
Concentration: 81.0 ug/l

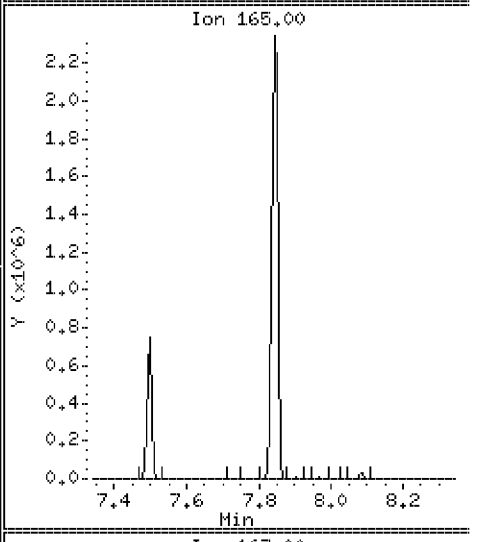


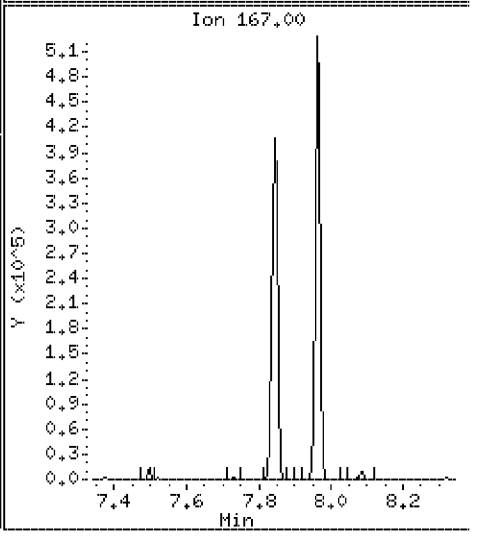












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

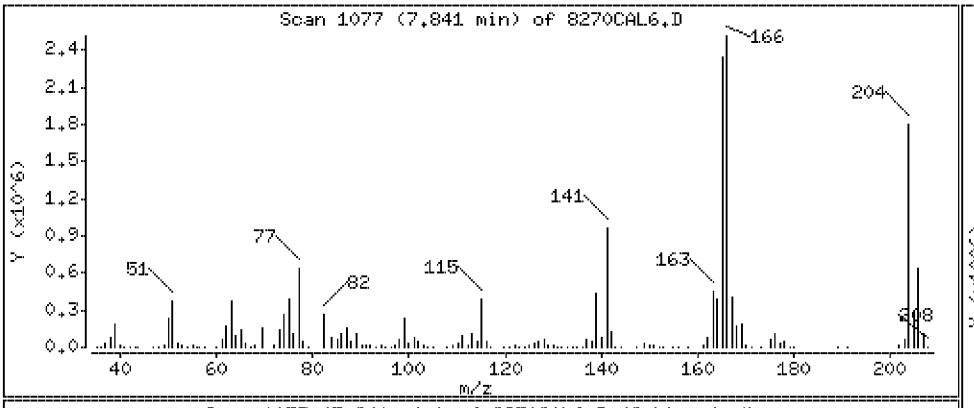
Operator: PEL

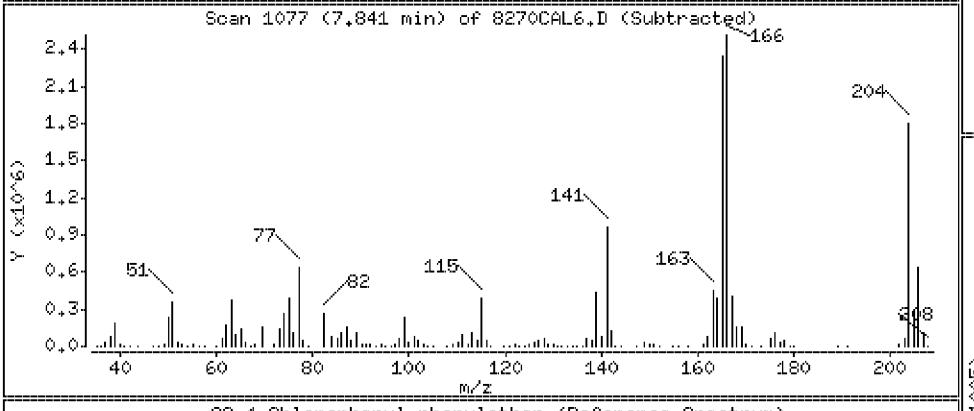
Column phase: HPMS-5

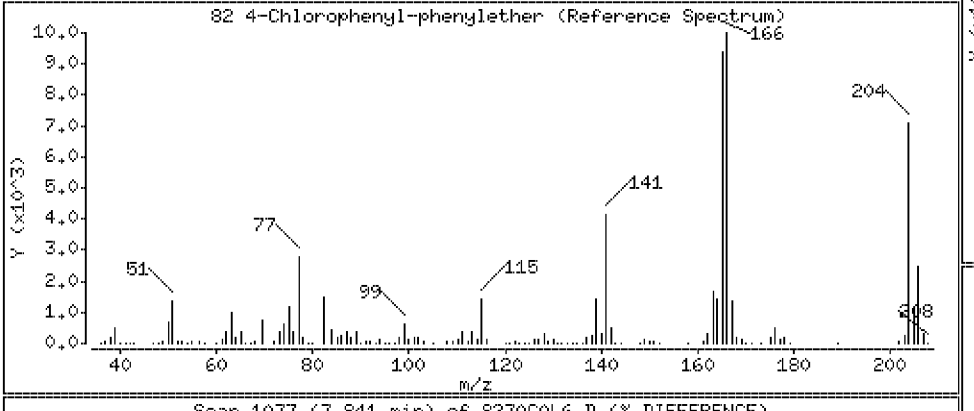
Column diameter: 0.25

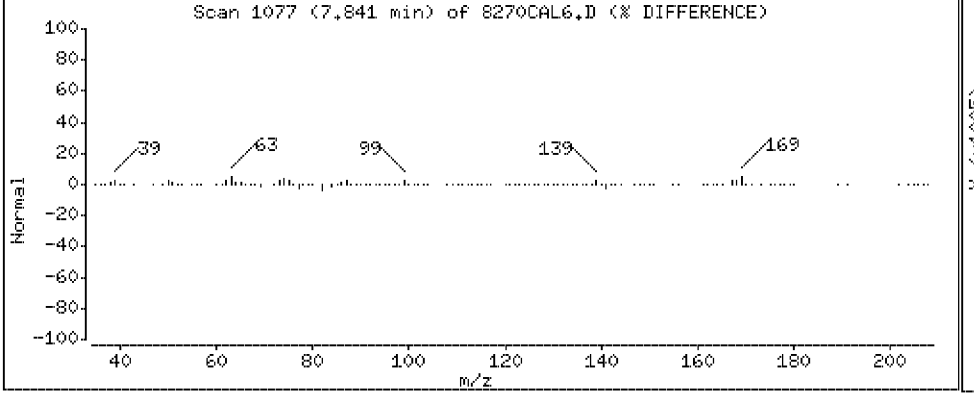
82 4-Chlorophenyl-phenylether

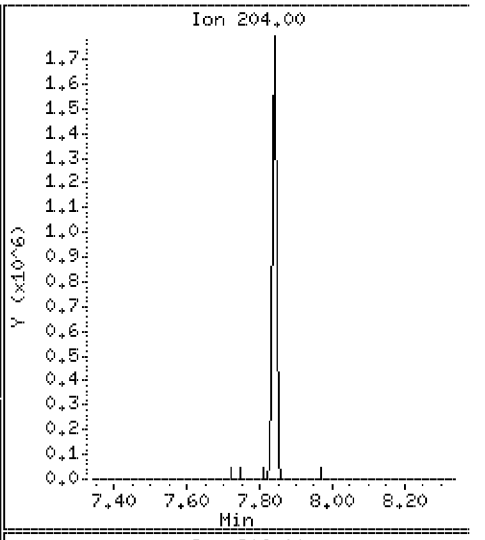
Concentration: 82.4 ug/l

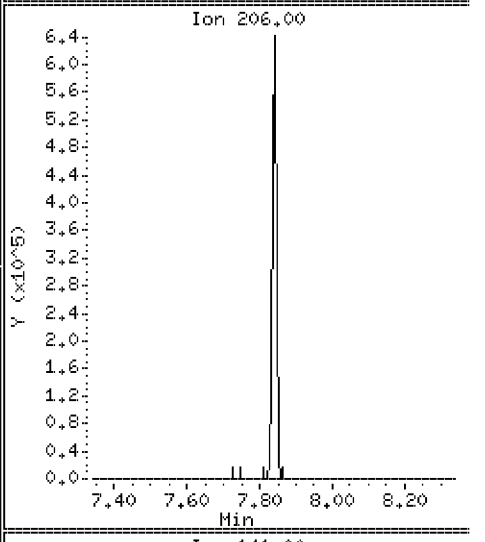


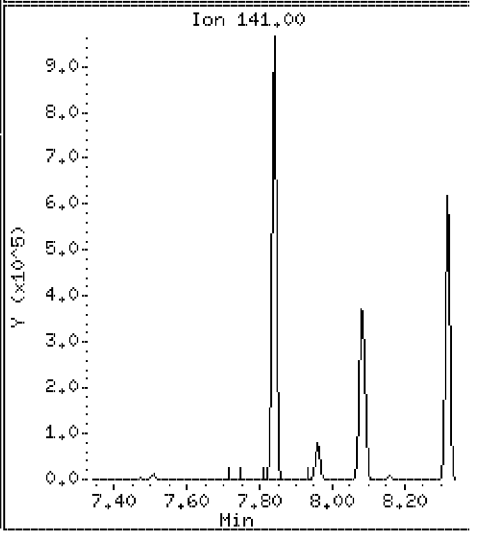












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

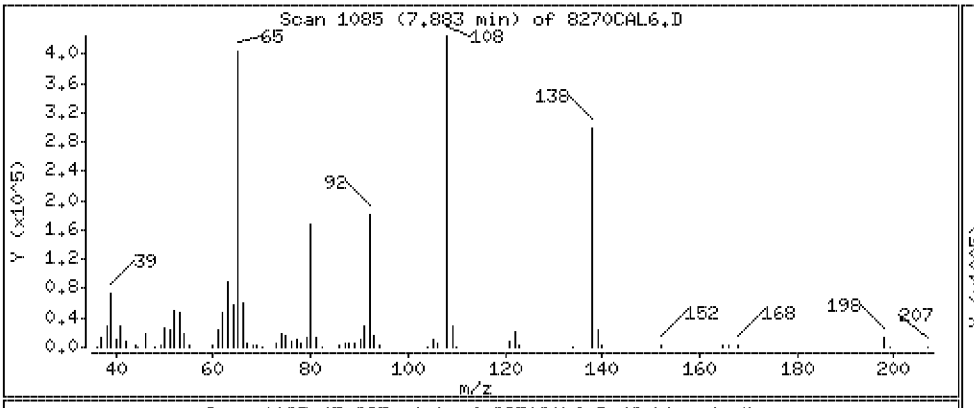
Operator: PEL

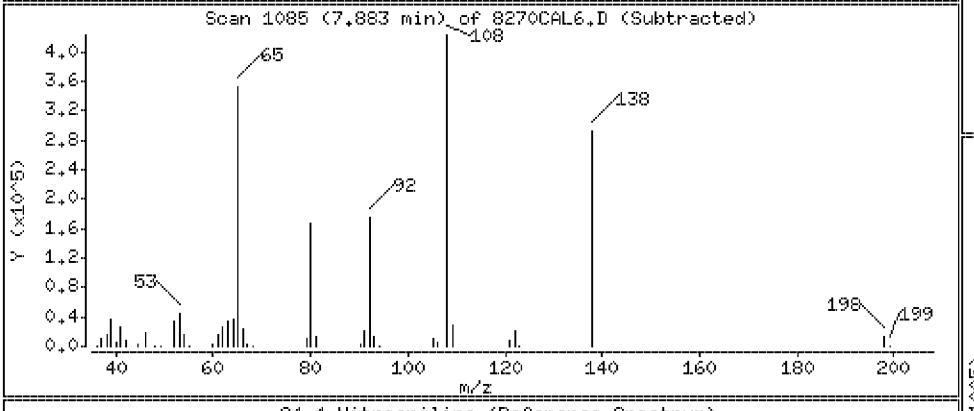
Column phase: HPMS-5

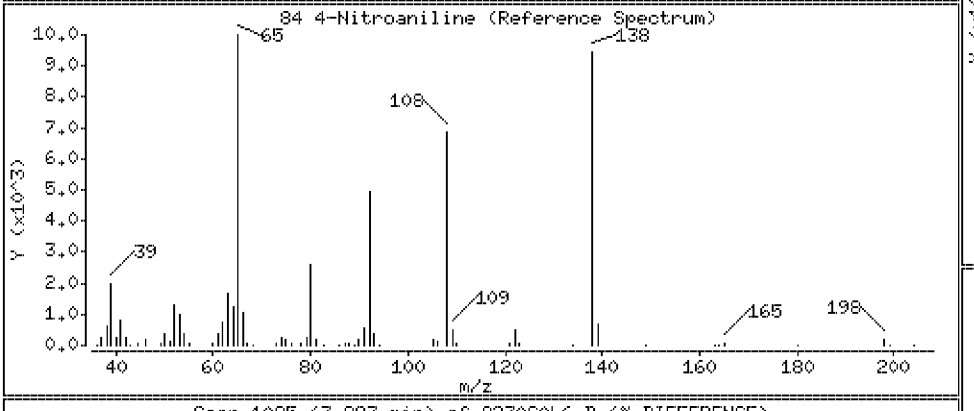
Column diameter: 0.25

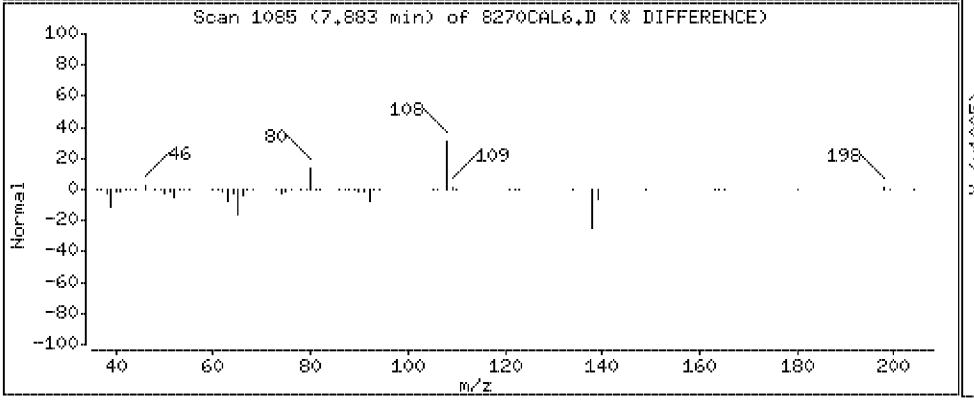
84 4-Nitroaniline

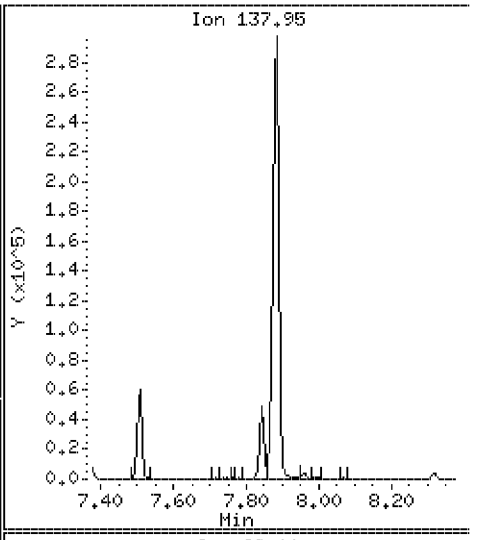
Concentration: 76.0 ug/l

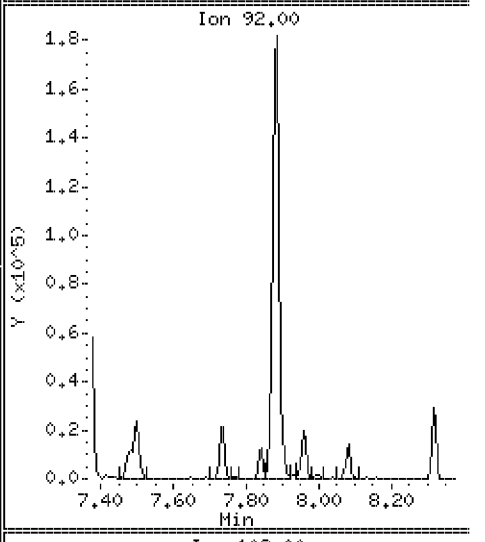


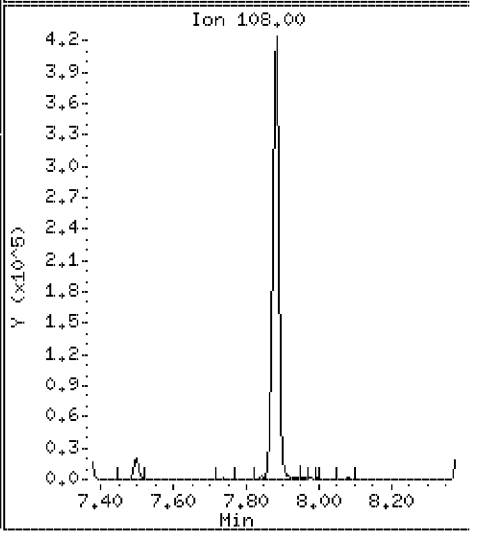












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

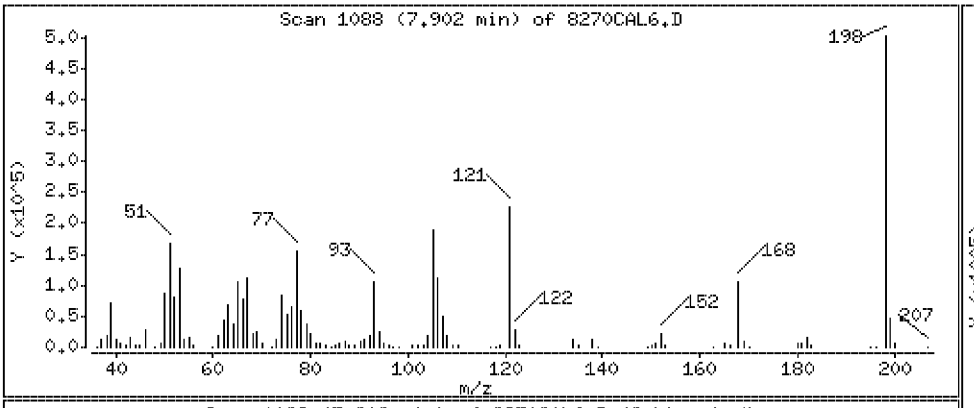
Operator: PEL

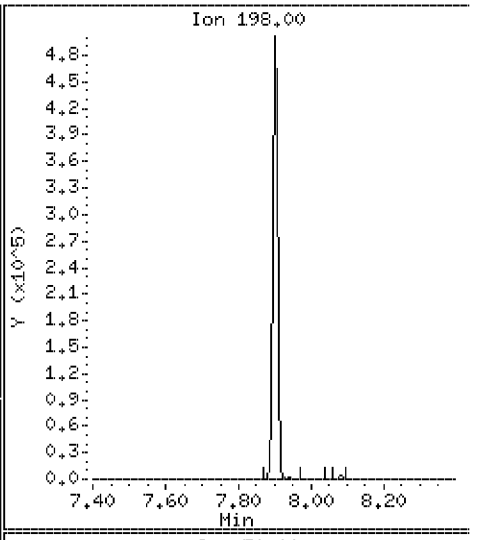
Column phase: HPMS-5

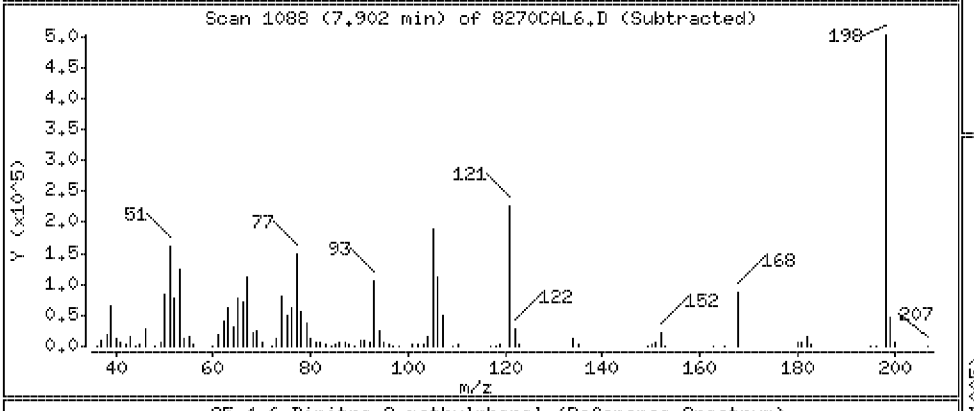
Column diameter: 0.25

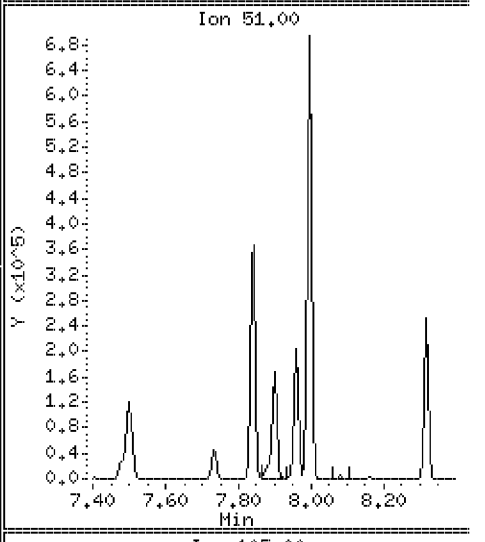
85 4,6-Dinitro-2-methylphenol

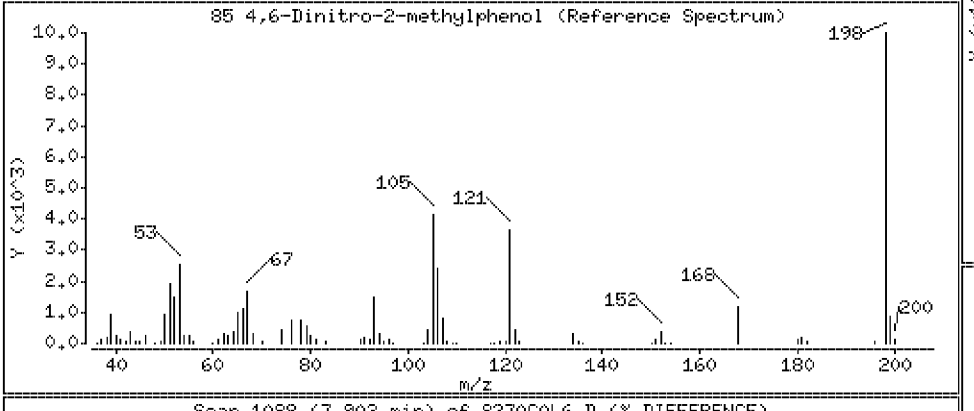
Concentration: 74.1 ug/l

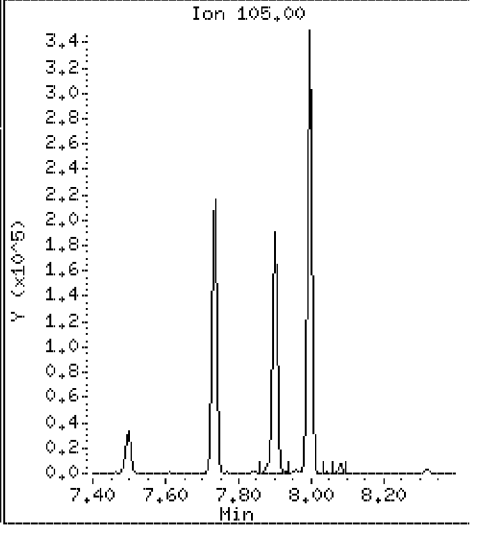


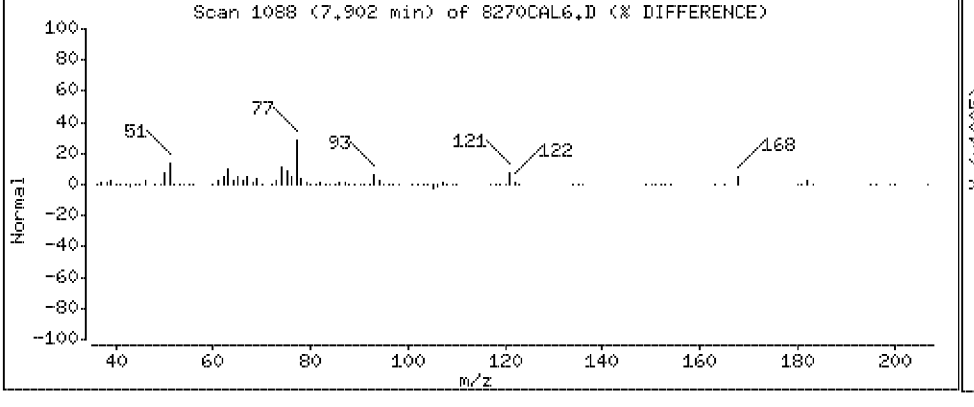












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

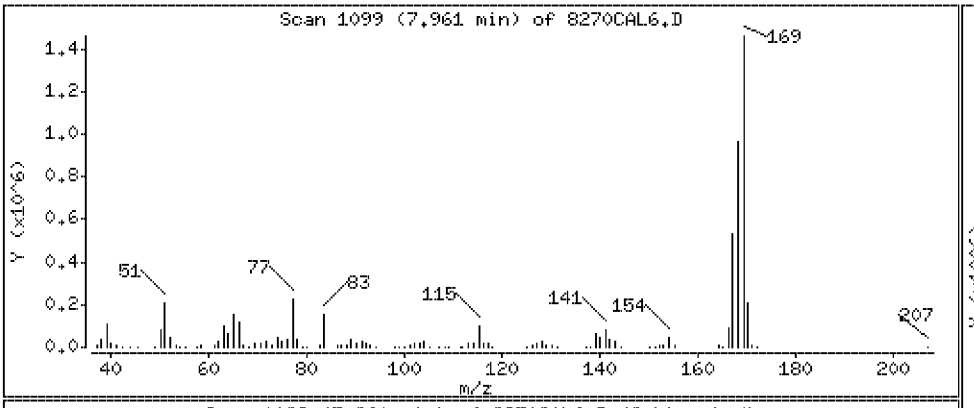
Operator: PEL

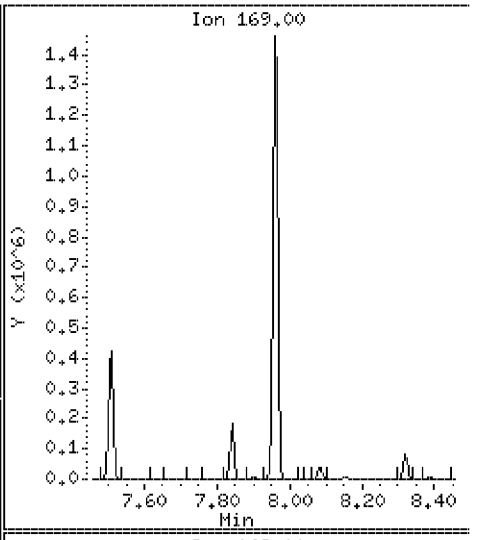
Column phase: HPMS-5

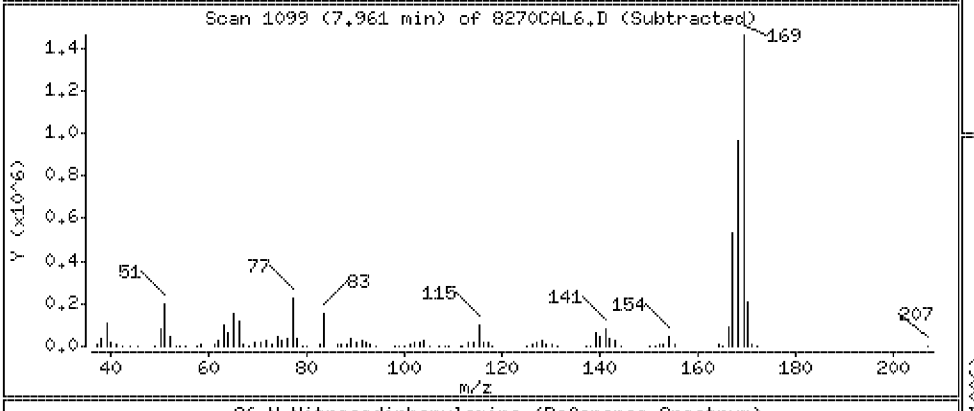
Column diameter: 0.25

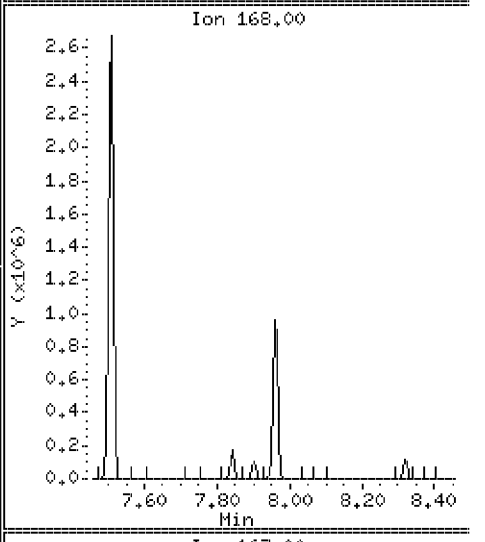
86 N-Nitrosodiphenylamine

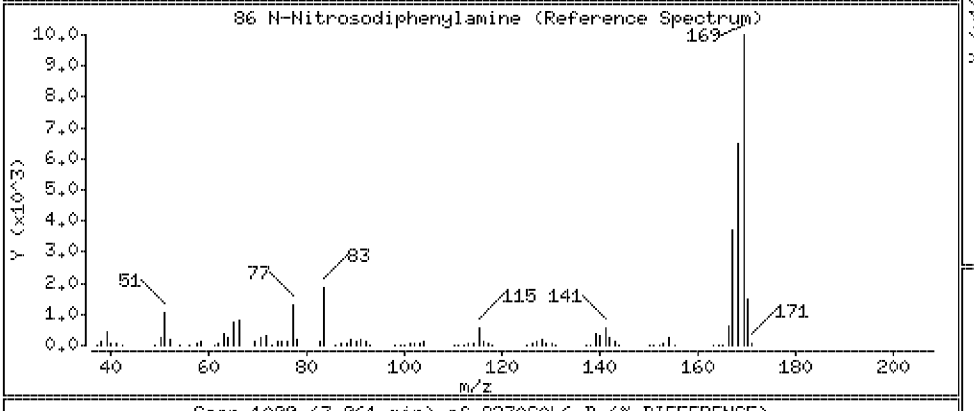
Concentration: 77.4 ug/l

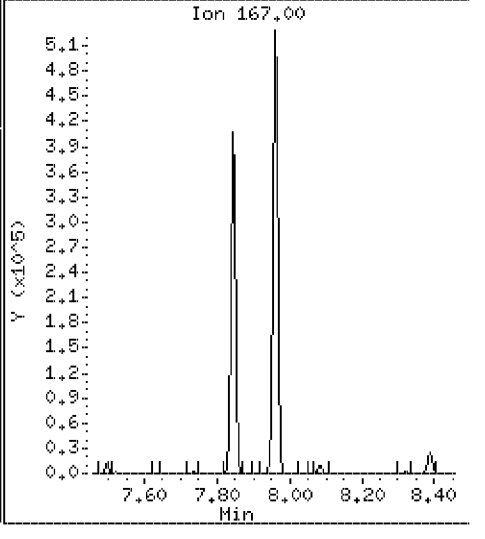


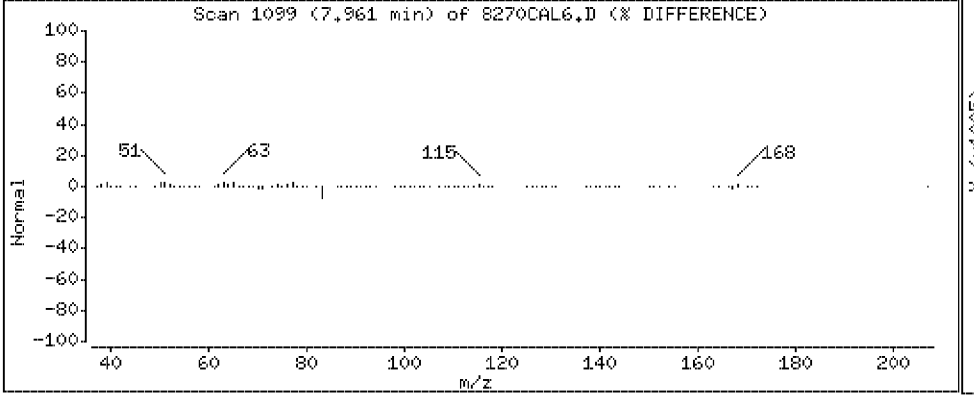












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

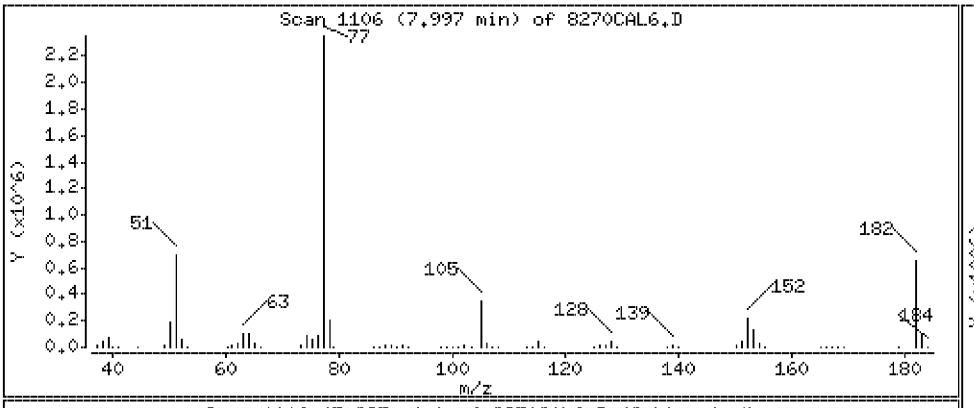
Operator: PEL

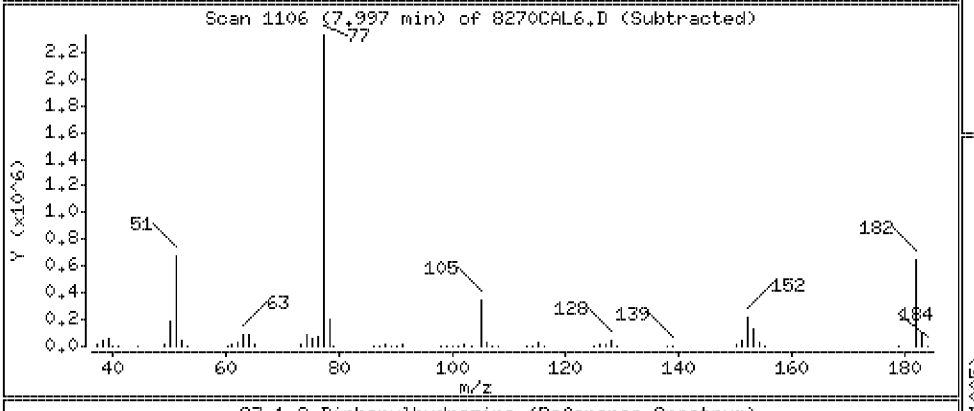
Column phase: HPMS-5

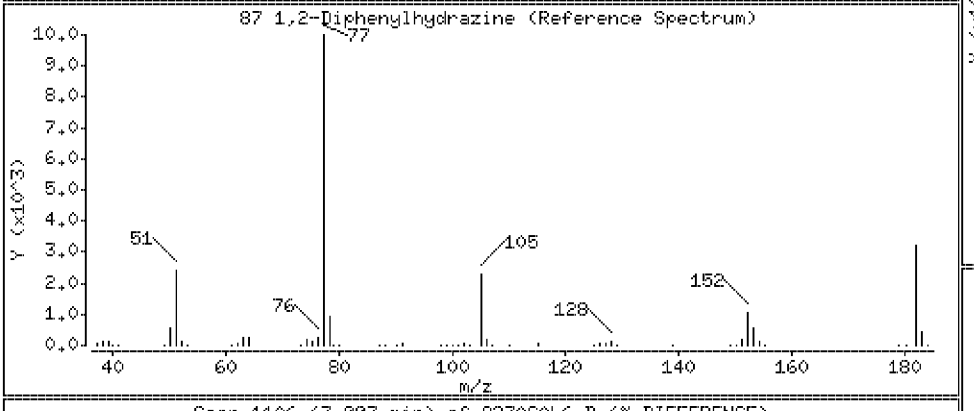
Column diameter: 0.25

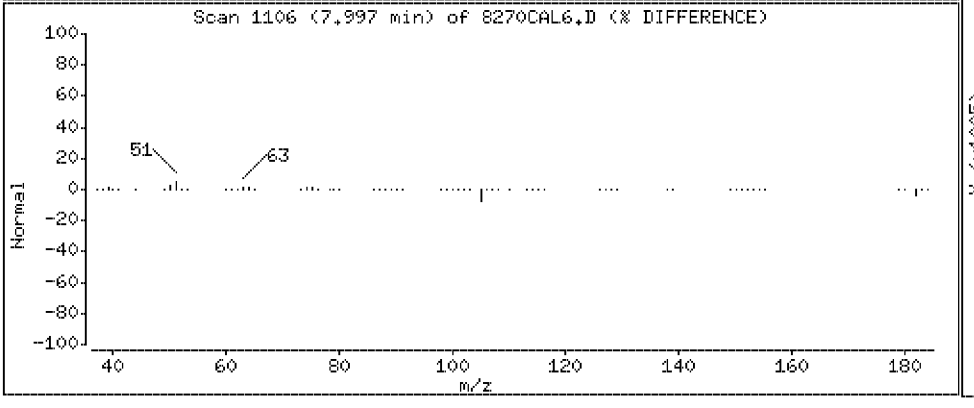
87 1,2-Diphenylhydrazine

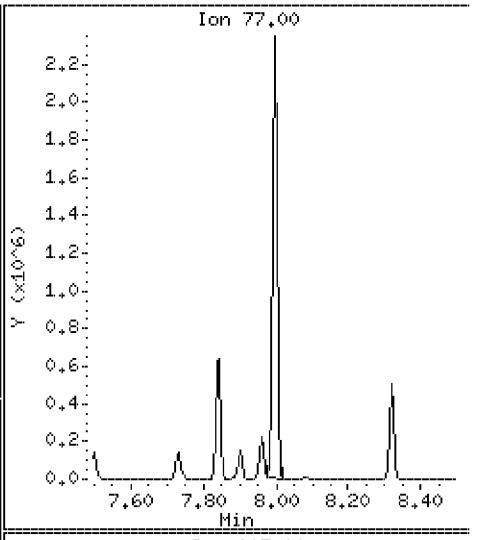
Concentration: 73.7 ug/l

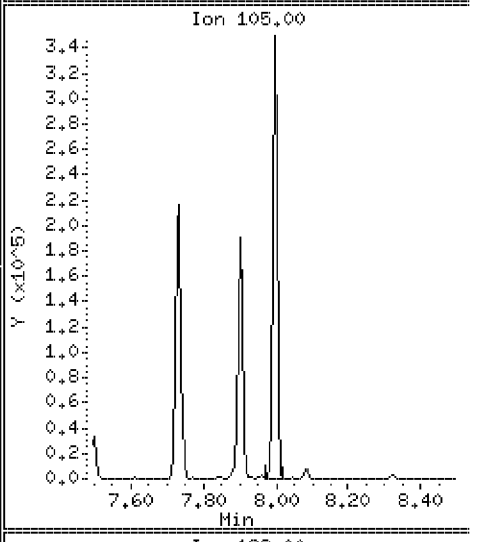


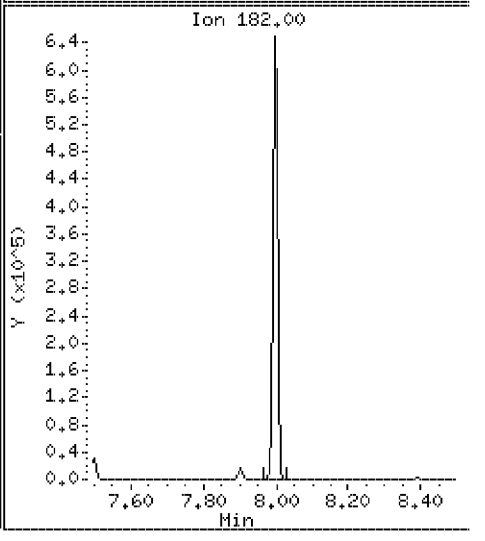












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

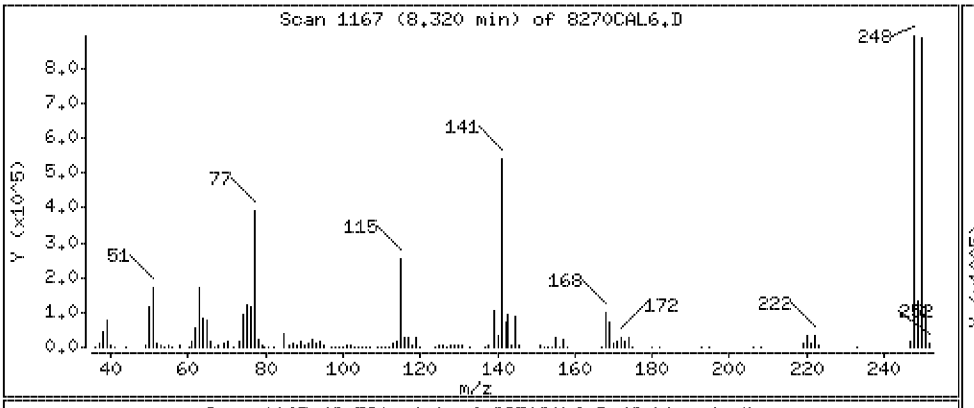
Operator: PEL

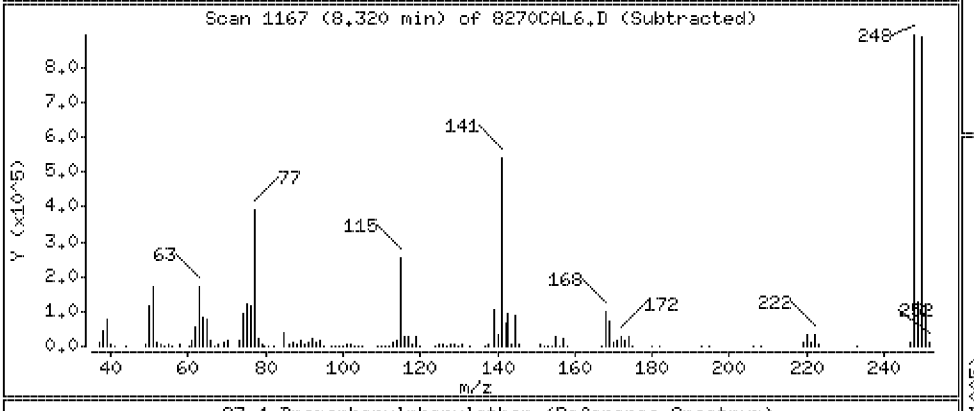
Column phase: HPMS-5

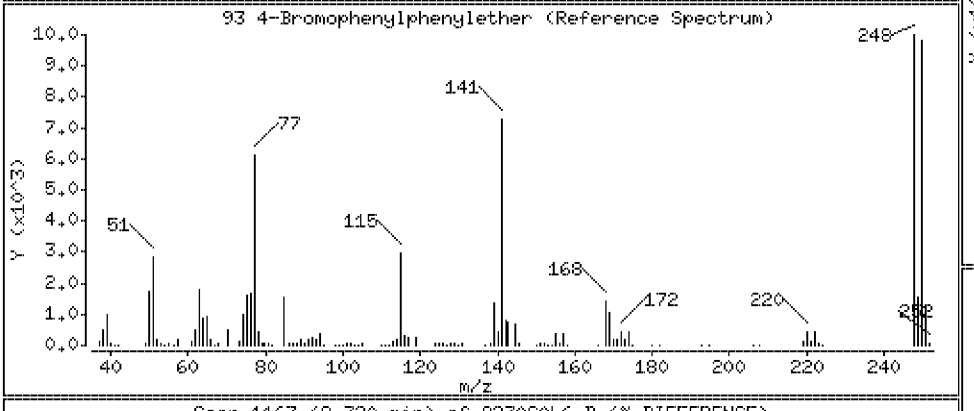
Column diameter: 0.25

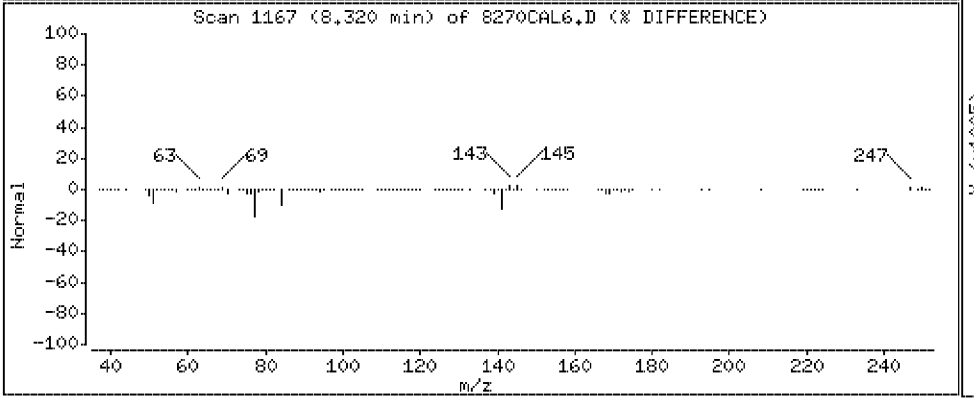
93 4-Bromophenylphenylether

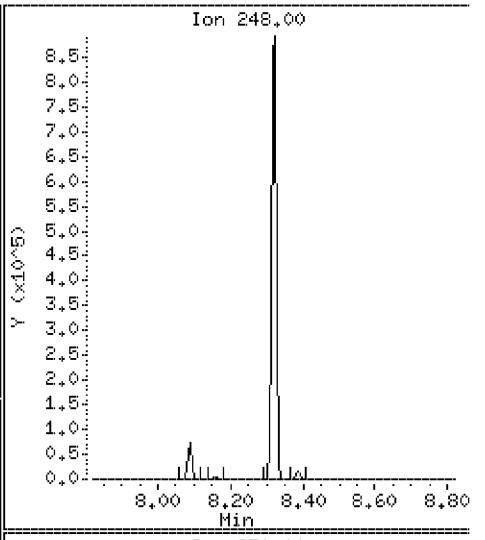
Concentration: 78.7 ug/l

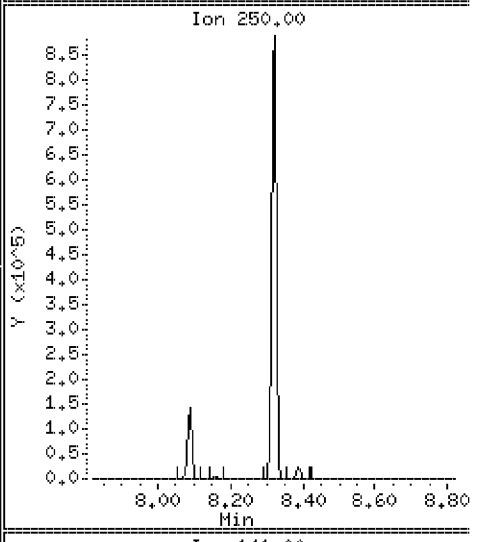


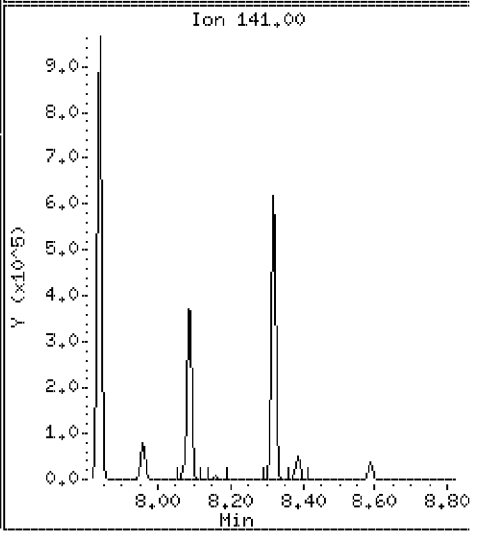












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

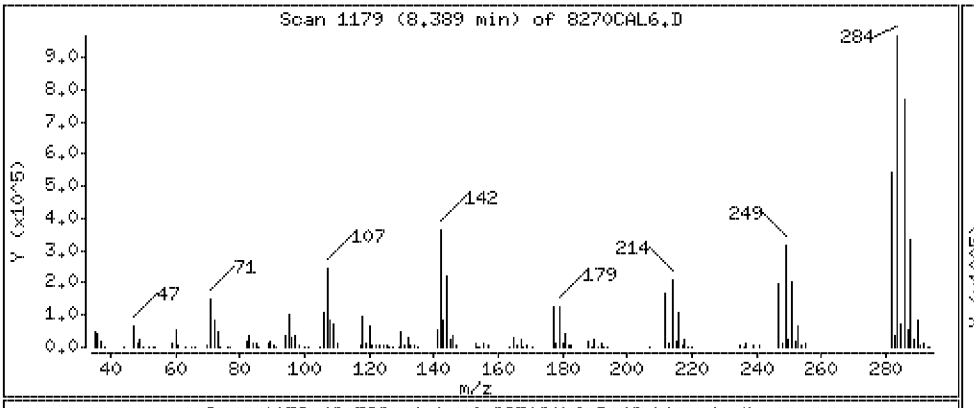
Operator: PEL

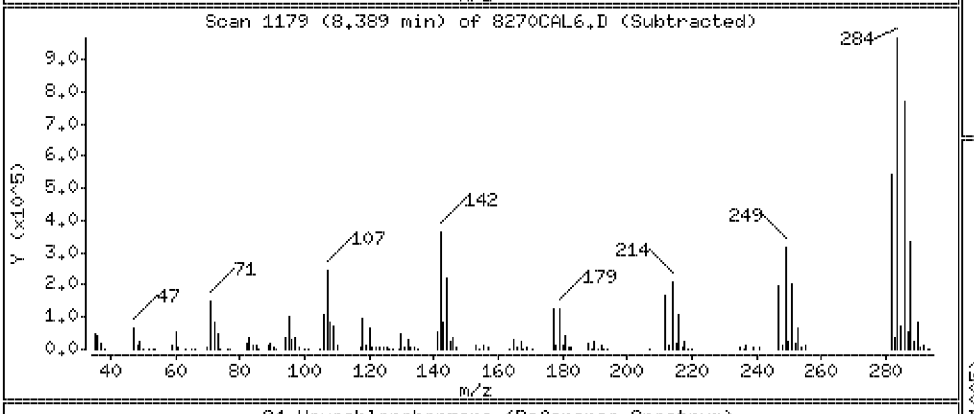
Column phase: HPMS-5

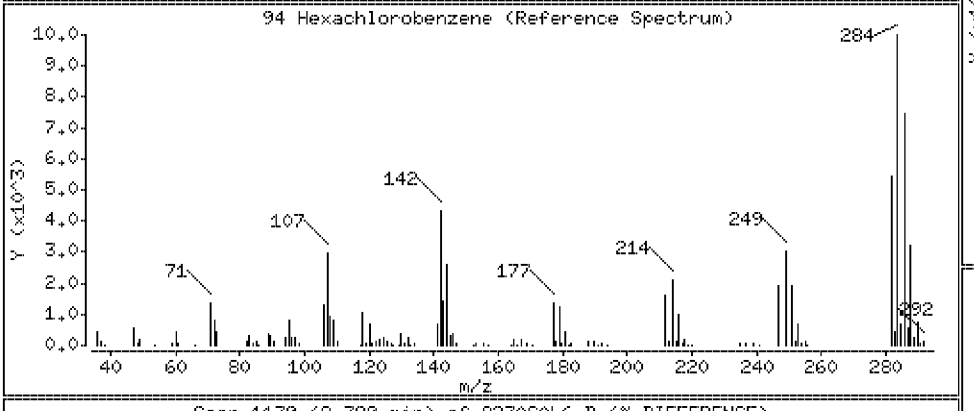
Column diameter: 0.25

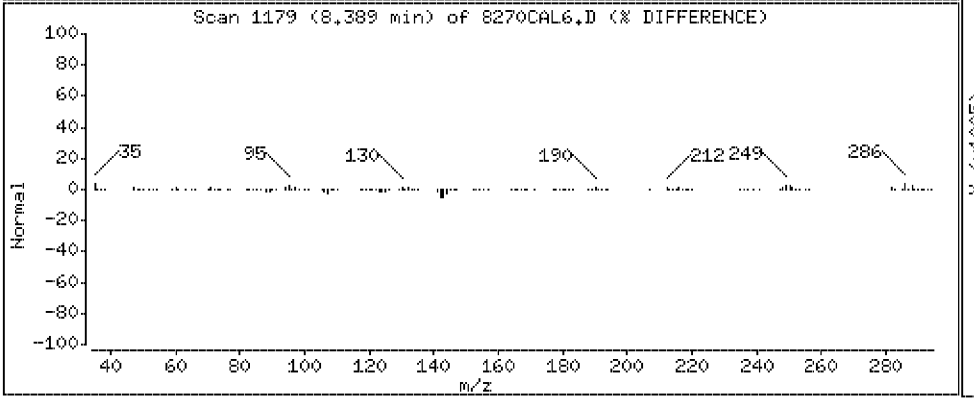
94 Hexachlorobenzene

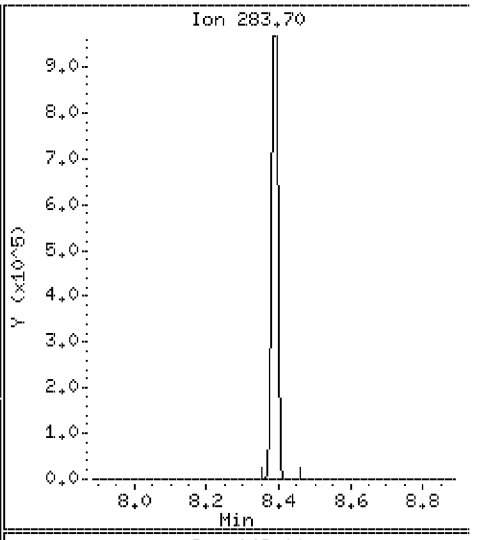
Concentration: 79.6 ug/l

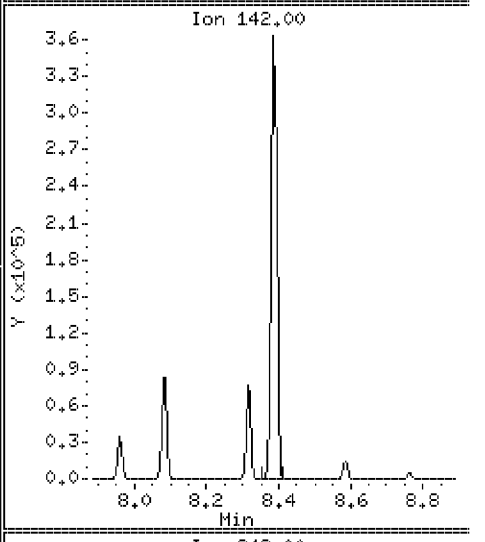


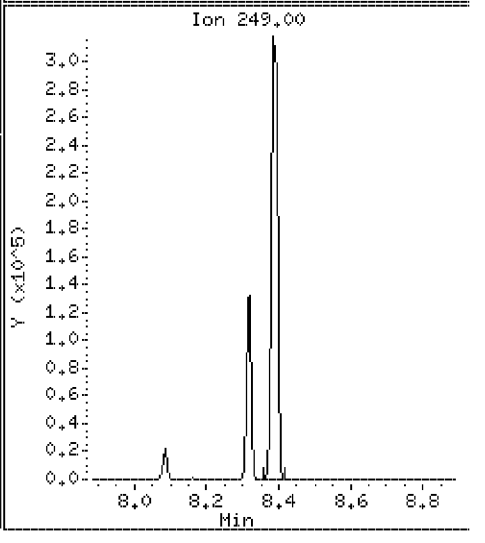












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

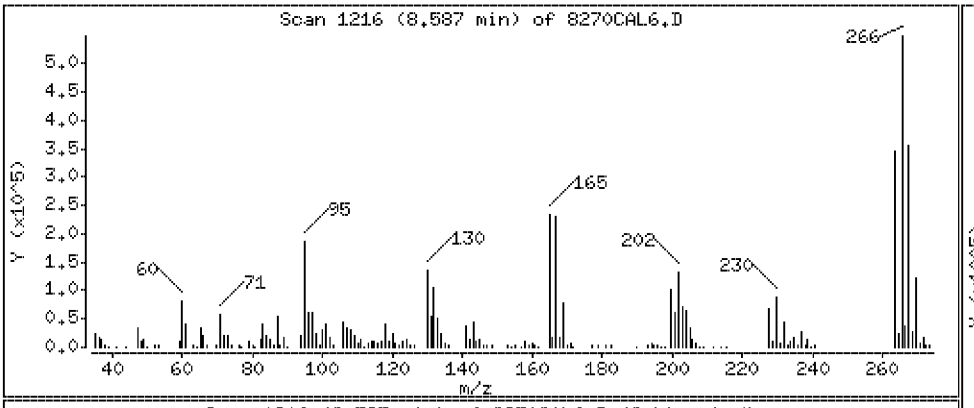
Operator: PEL

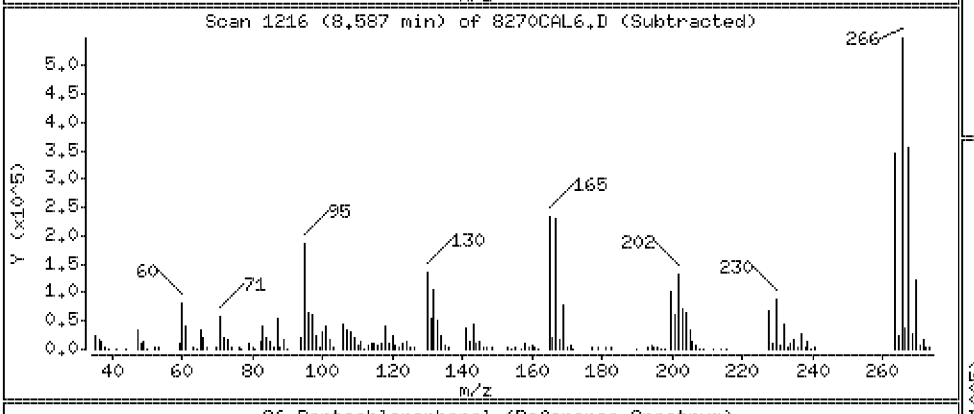
Column phase: HPMS-5

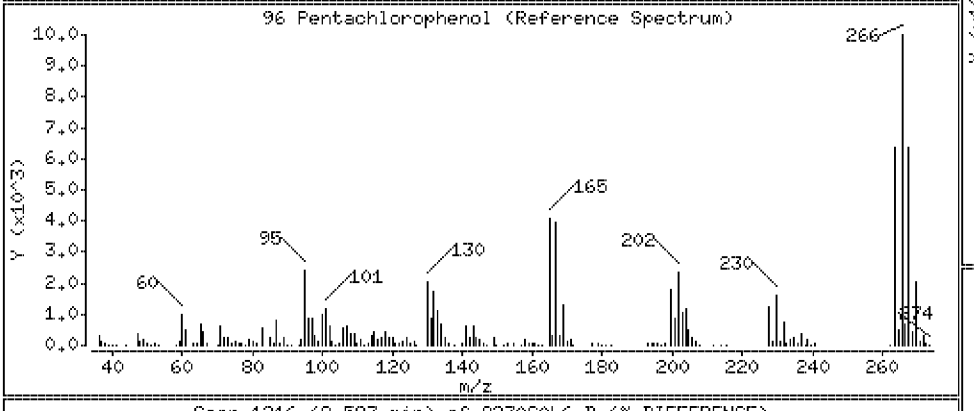
Column diameter: 0.25

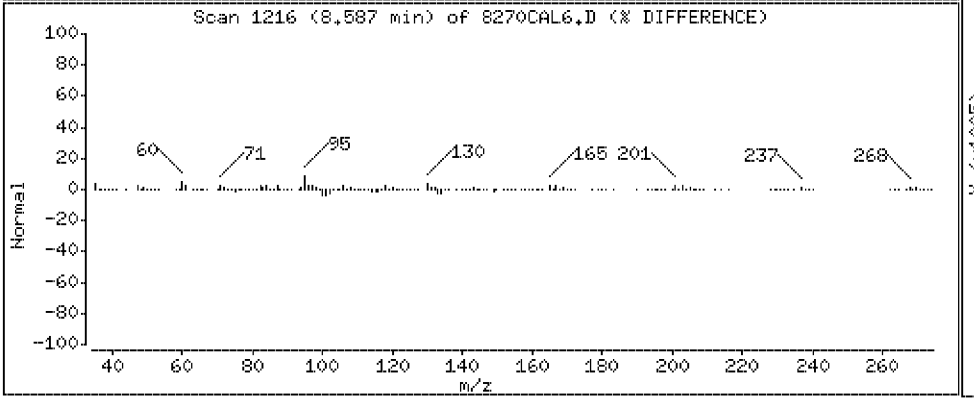
96 Pentachlorophenol

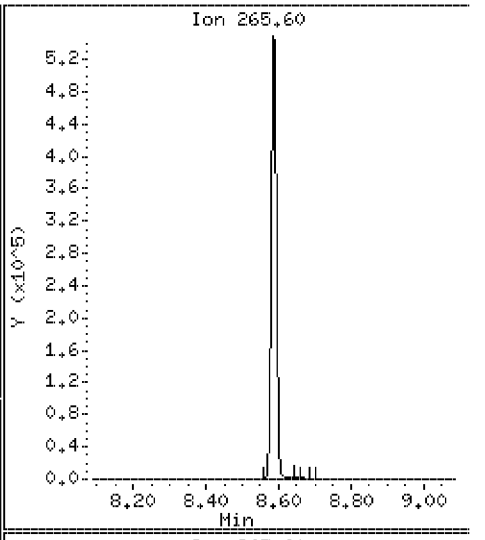
Concentration: 80.1 ug/l

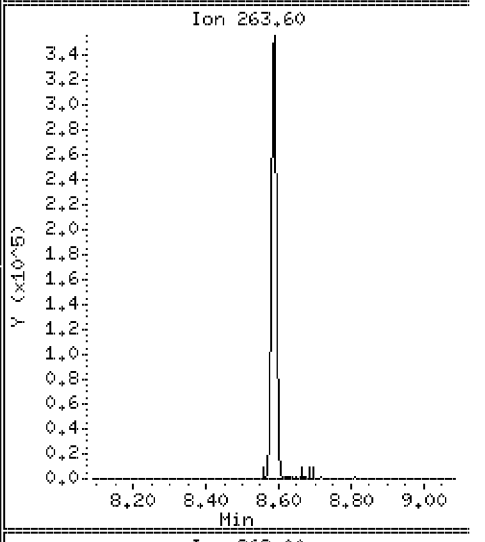


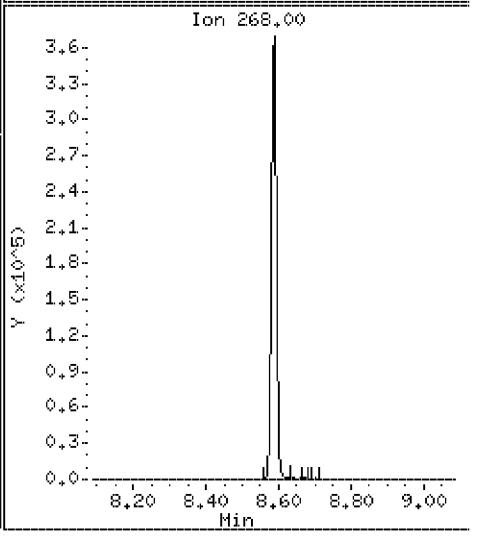












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

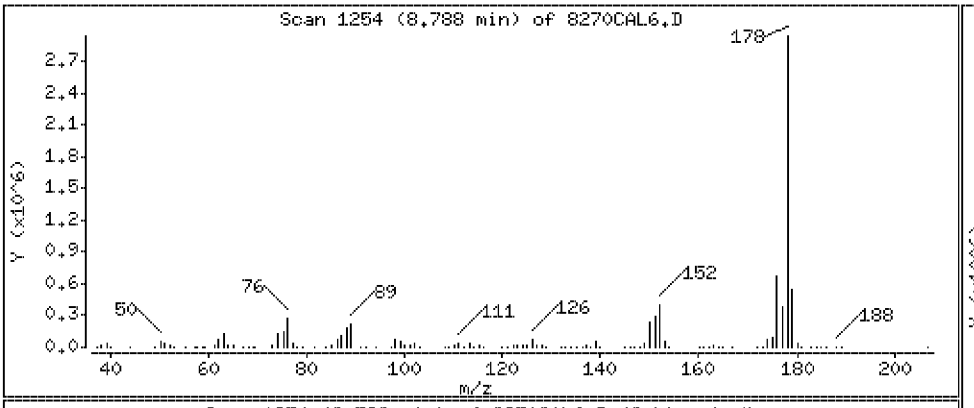
Operator: PEL

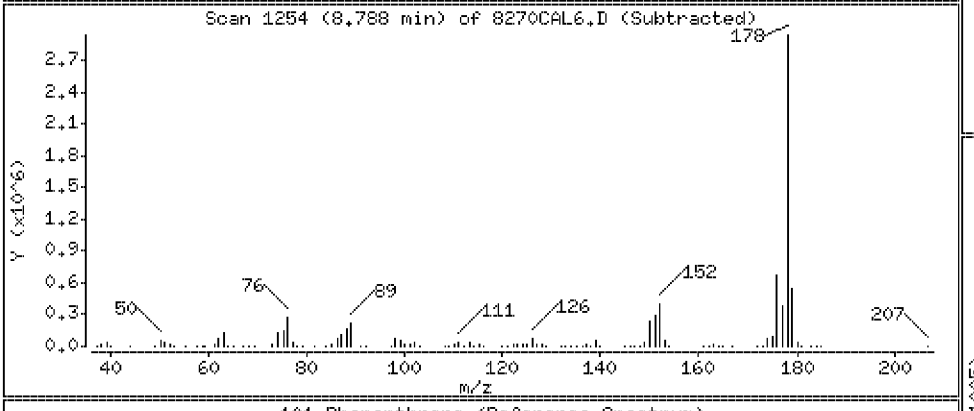
Column phase: HPMS-5

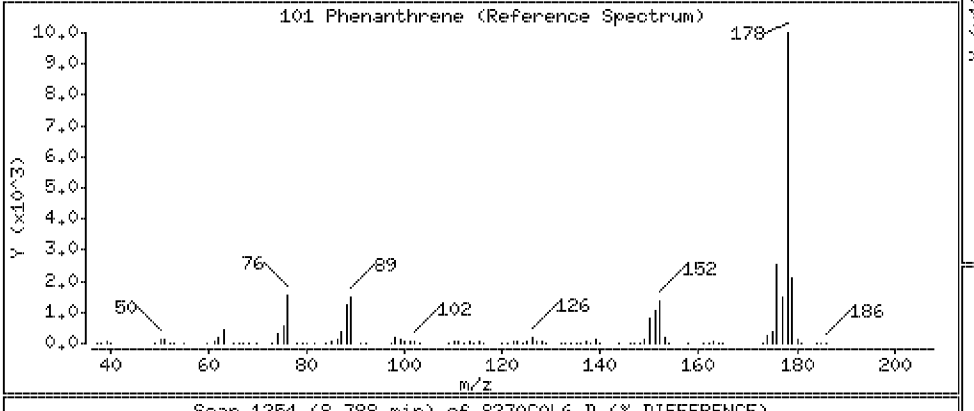
Column diameter: 0.25

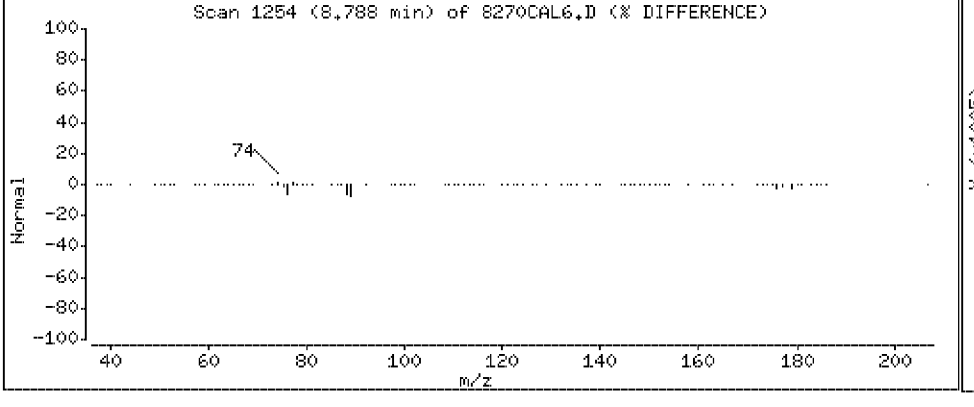
101 Phenanthrene

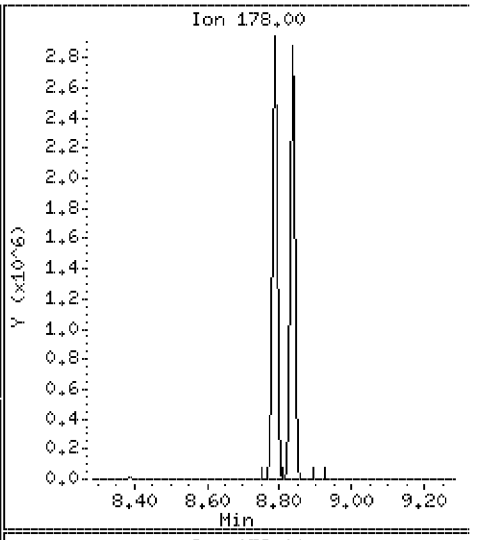
Concentration: 75.3 ug/l

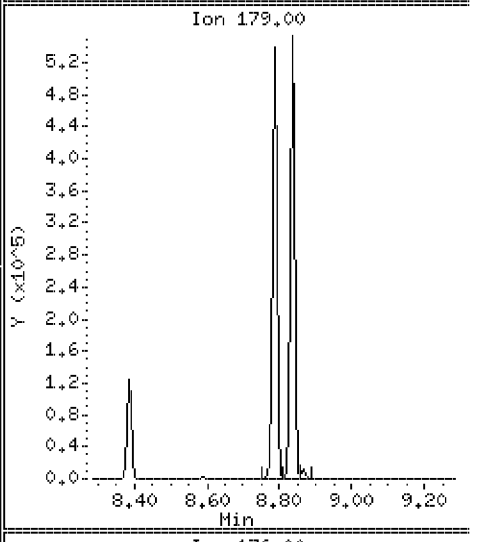


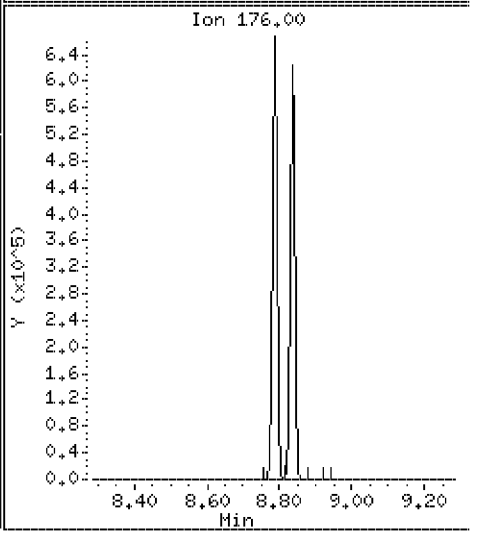












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

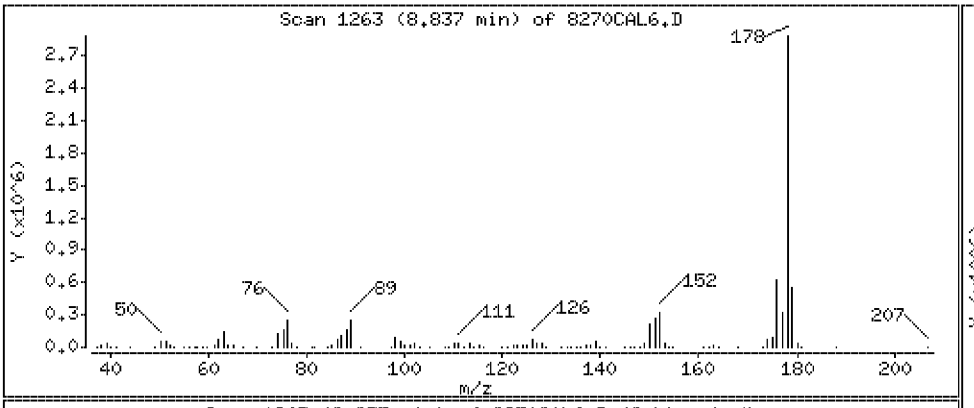
Operator: PEL

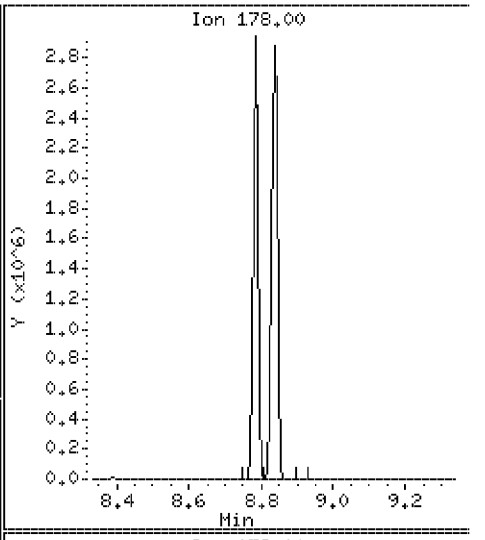
Column phase: HPMS-5

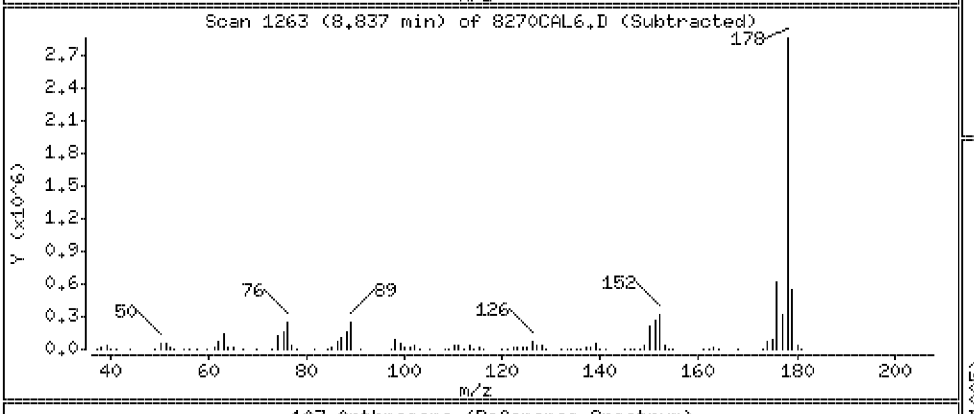
Column diameter: 0.25

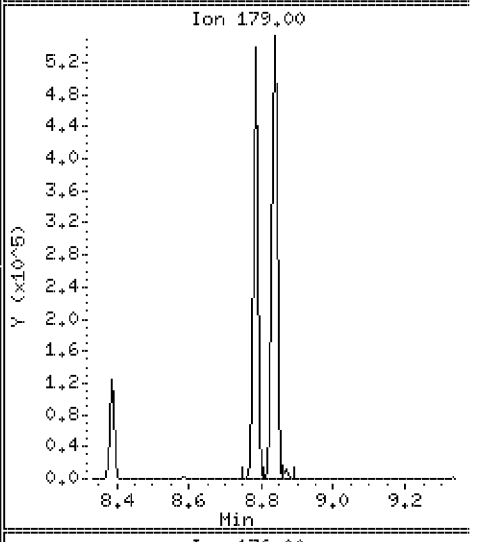
103 Anthracene

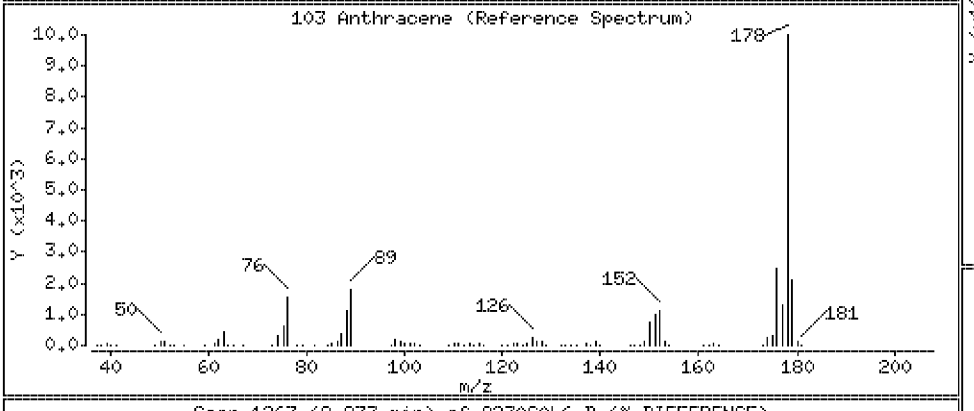
Concentration: 75.3 ug/l

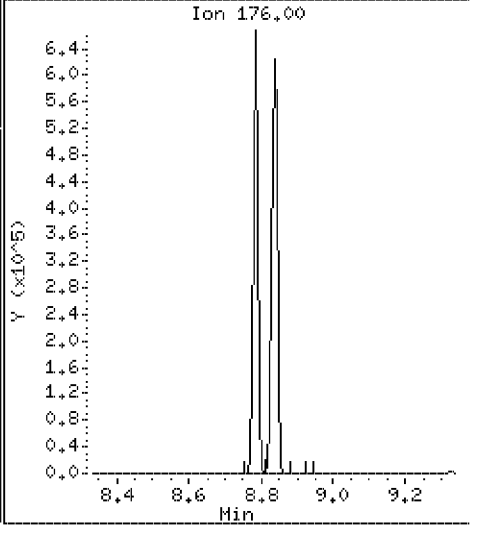


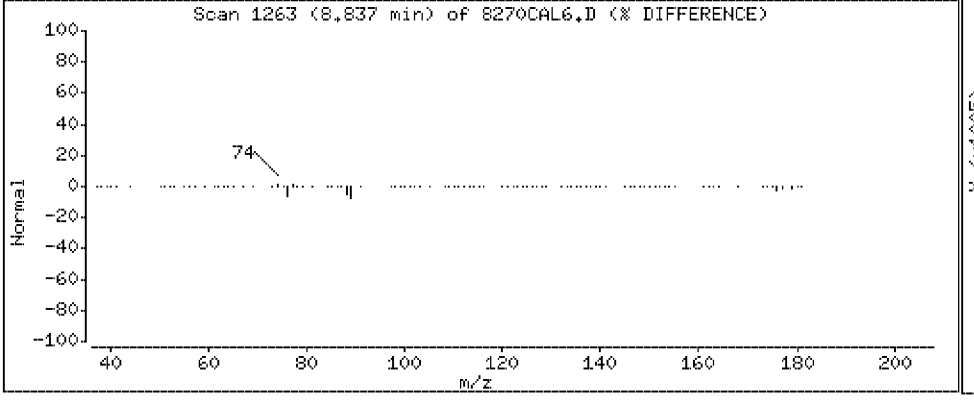












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

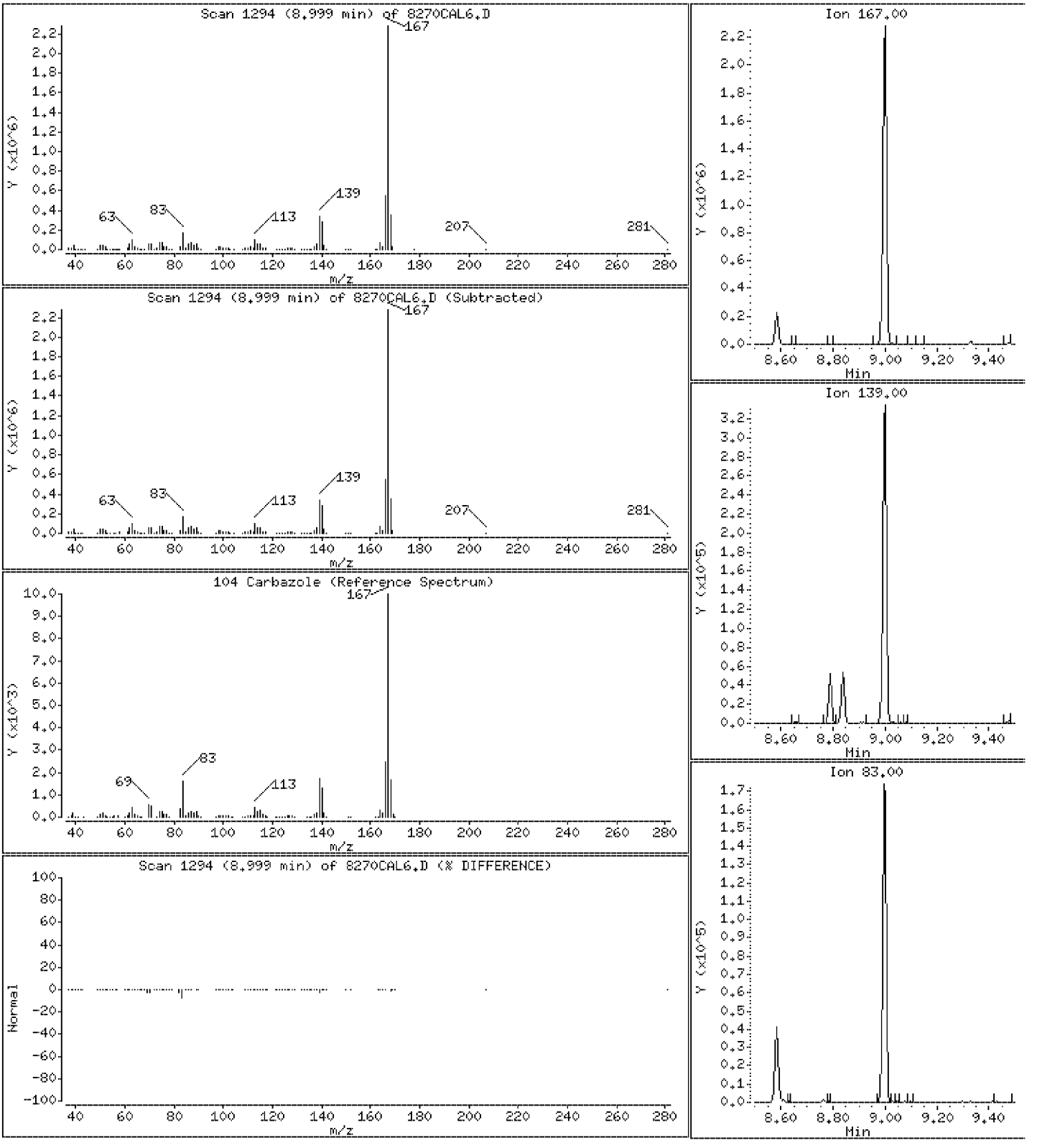
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

104 Carbazole

Concentration: 75.2 ug/l



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

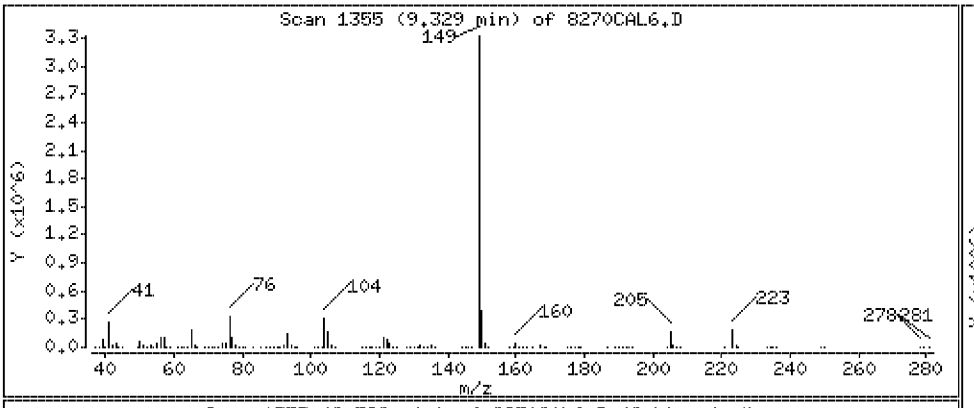
Operator: PEL

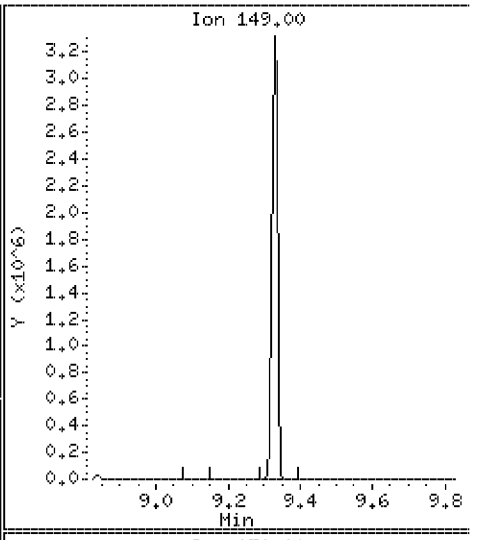
Column phase: HPMS-5

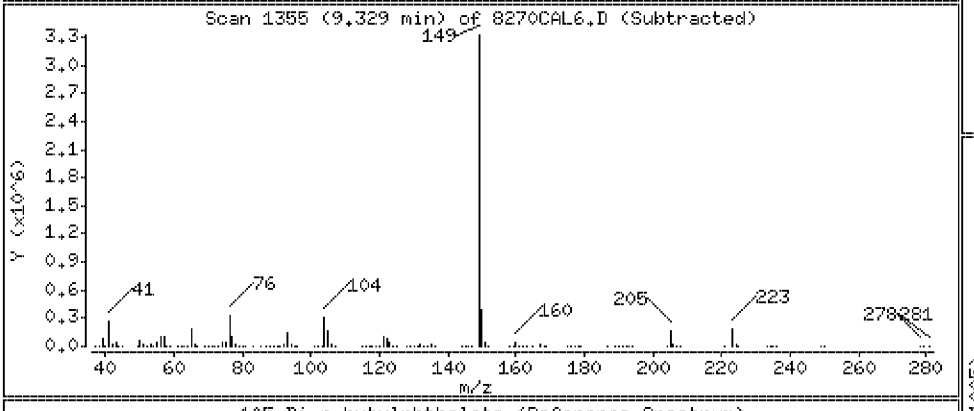
Column diameter: 0.25

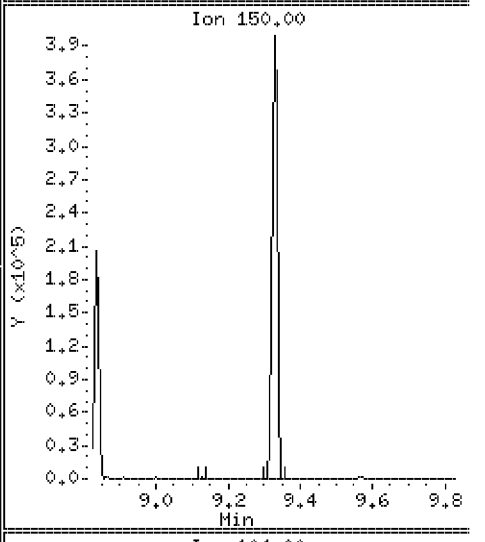
105 Di-n-butylphthalate

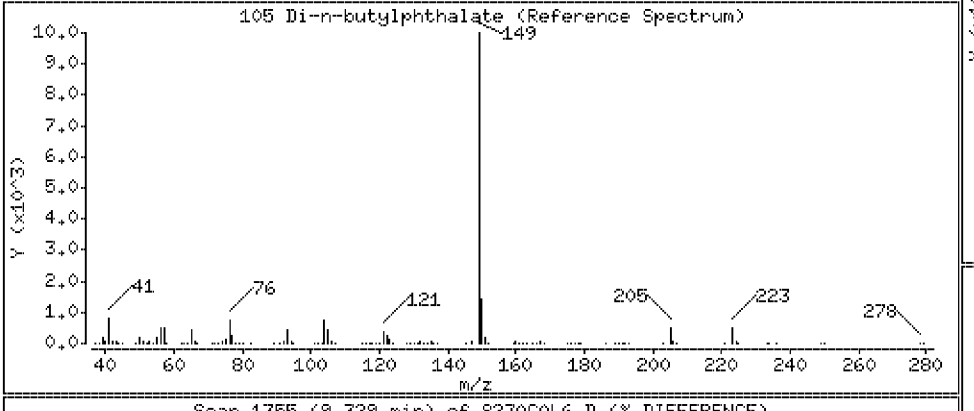
Concentration: 76.8 ug/l

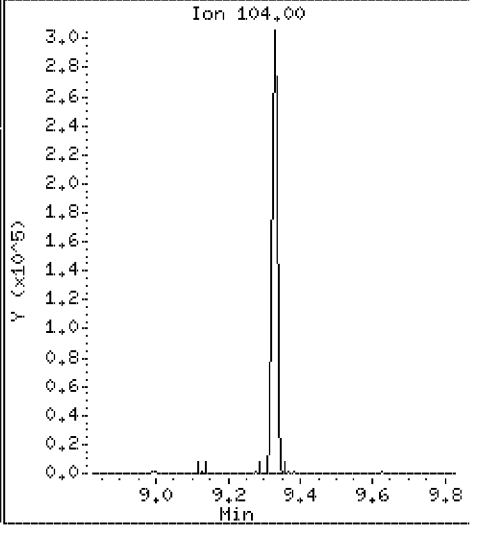


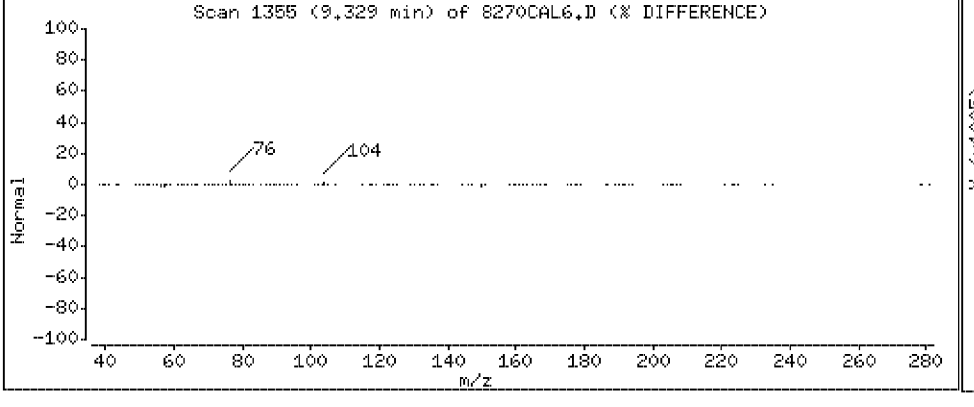












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

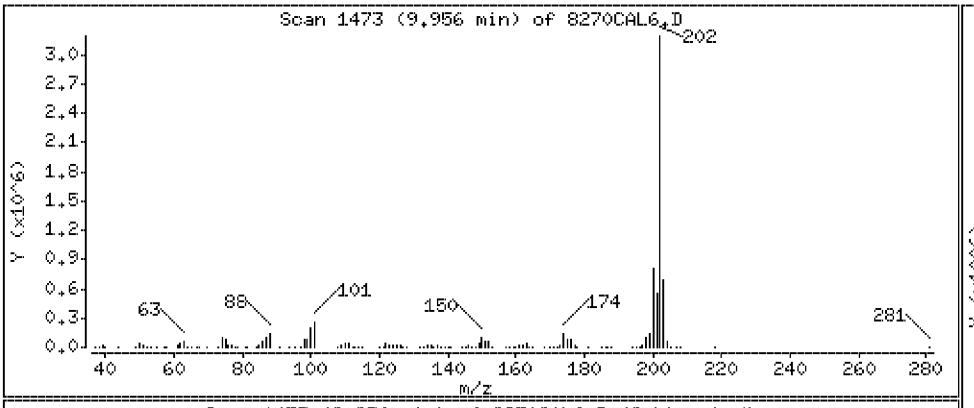
Operator: PEL

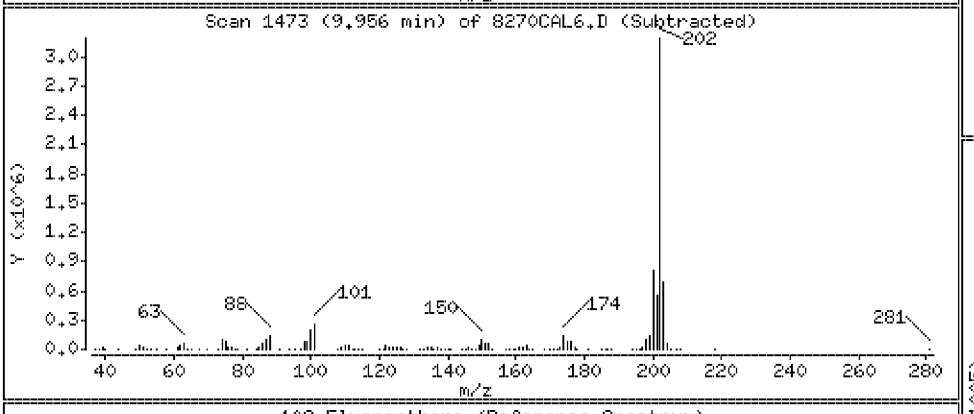
Column phase: HPMS-5

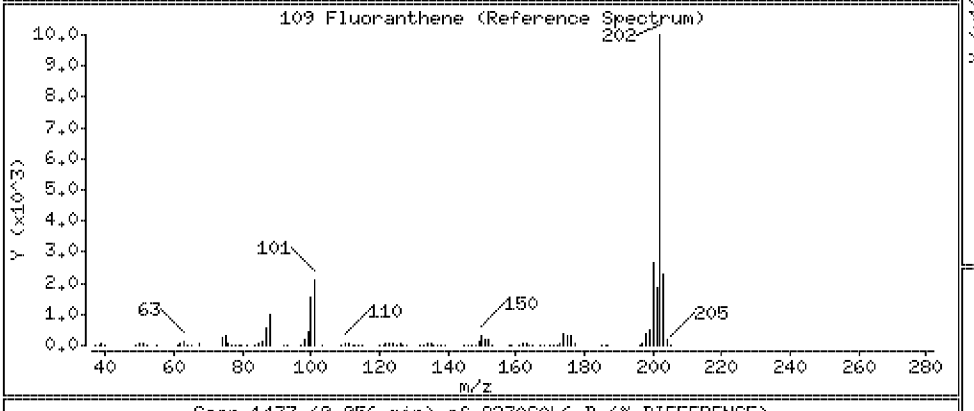
Column diameter: 0.25

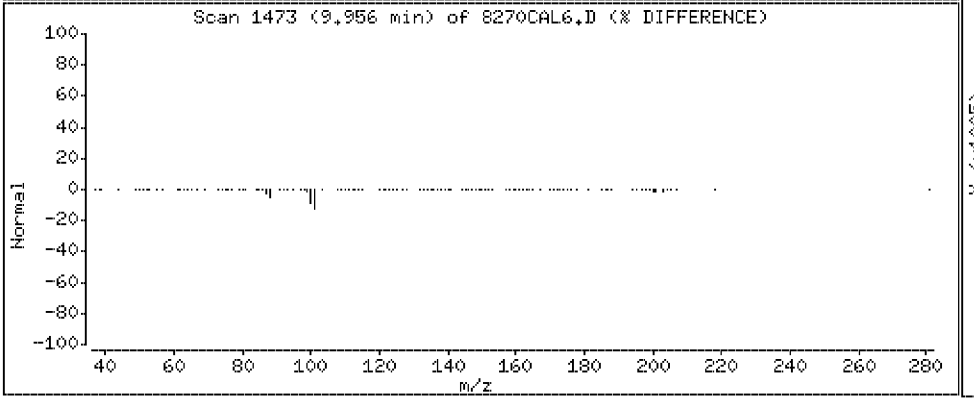
109 Fluoranthene

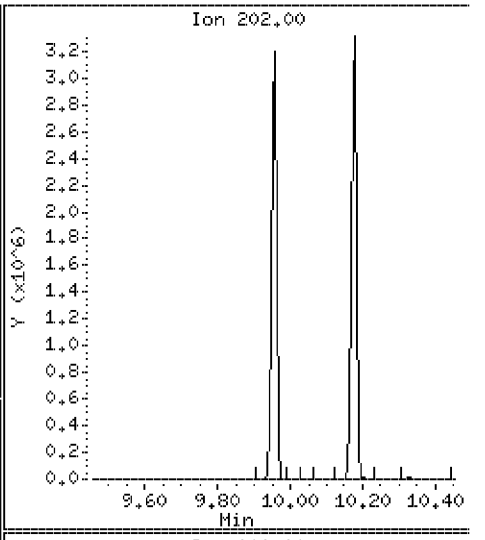
Concentration: 74.8 ug/l

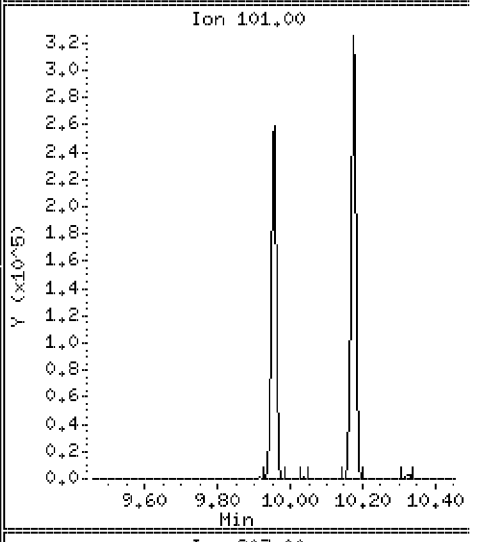


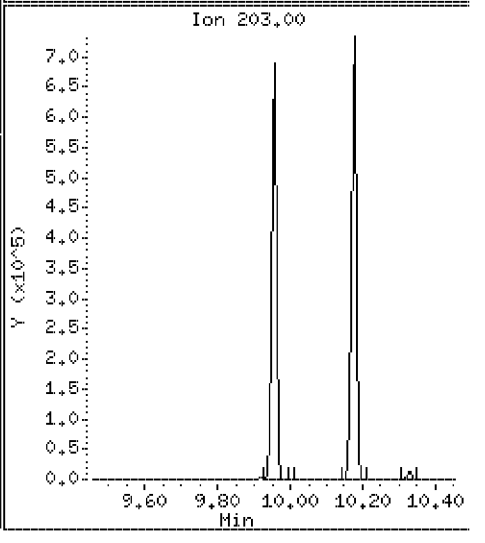












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

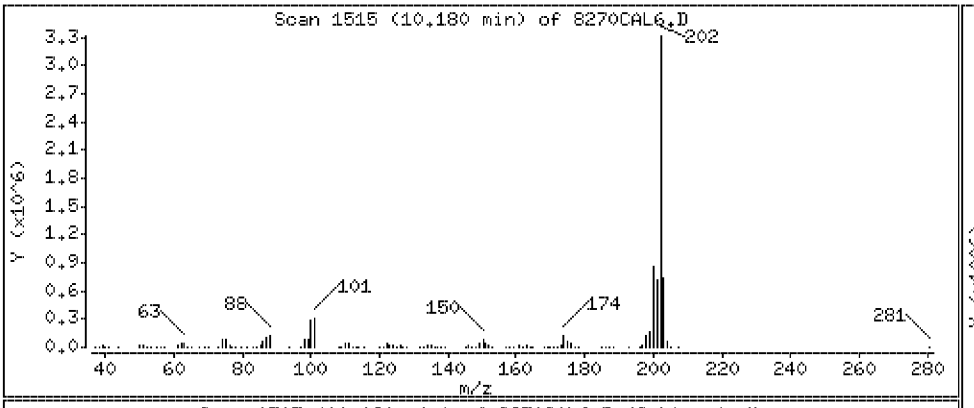
Operator: PEL

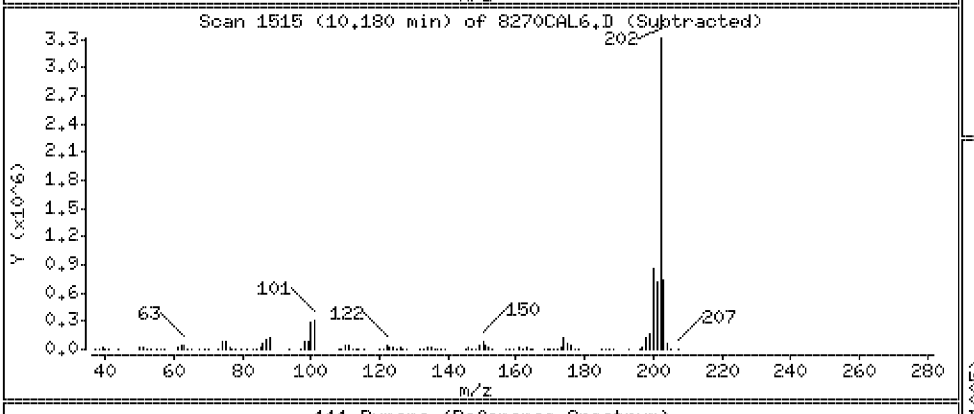
Column phase: HPMS-5

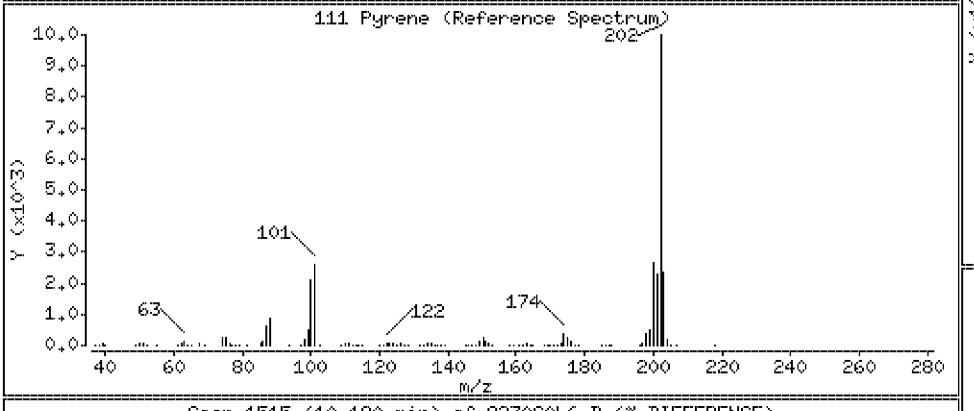
Column diameter: 0.25

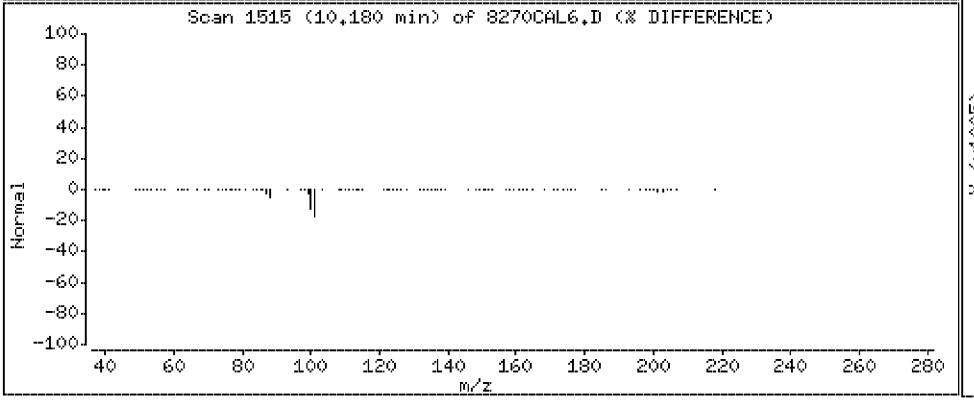
111 Pyrene

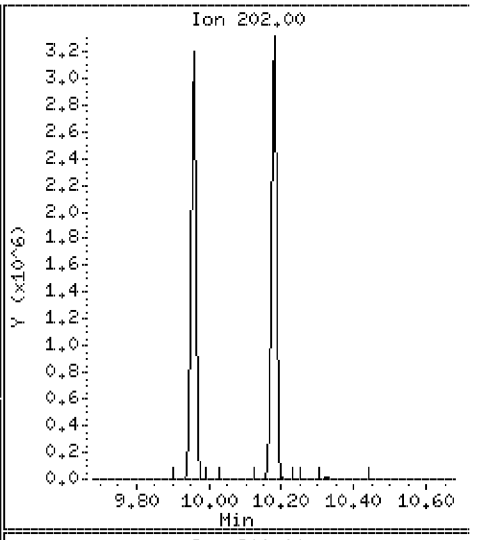
Concentration: 66.2 ug/l

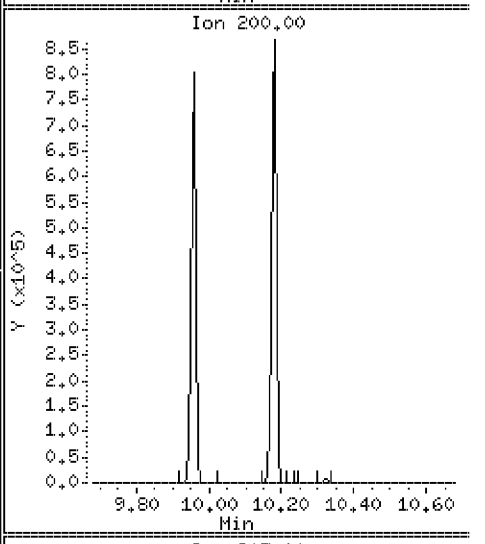


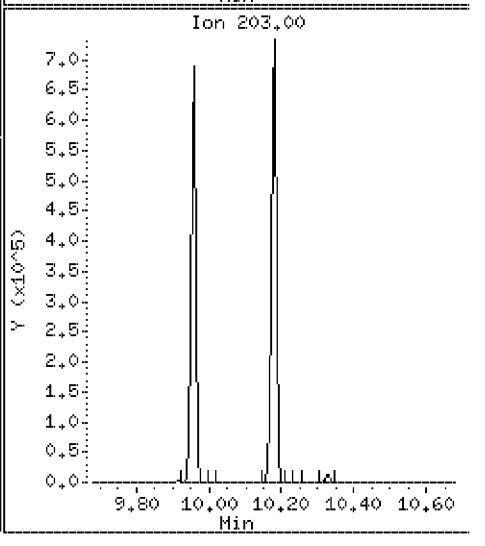












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

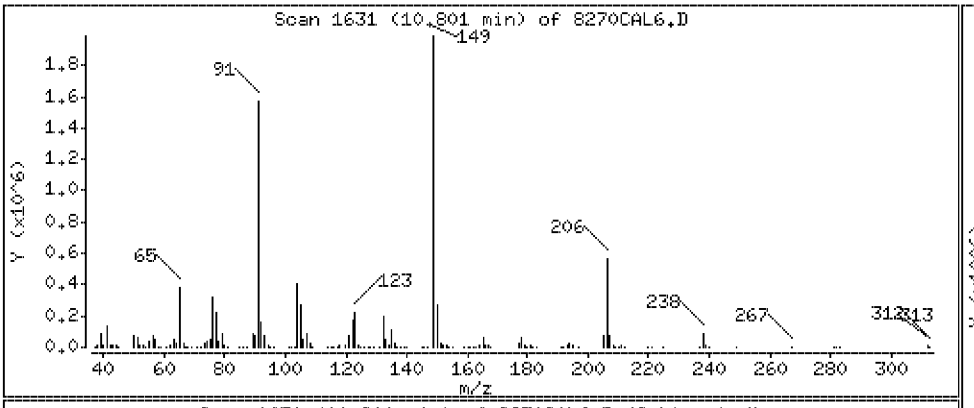
Operator: PEL

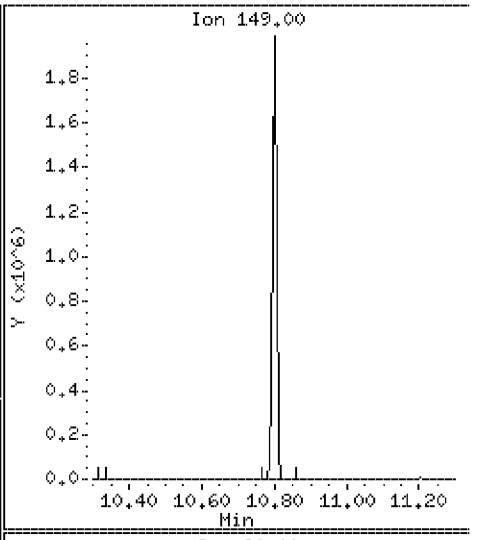
Column phase: HPMS-5

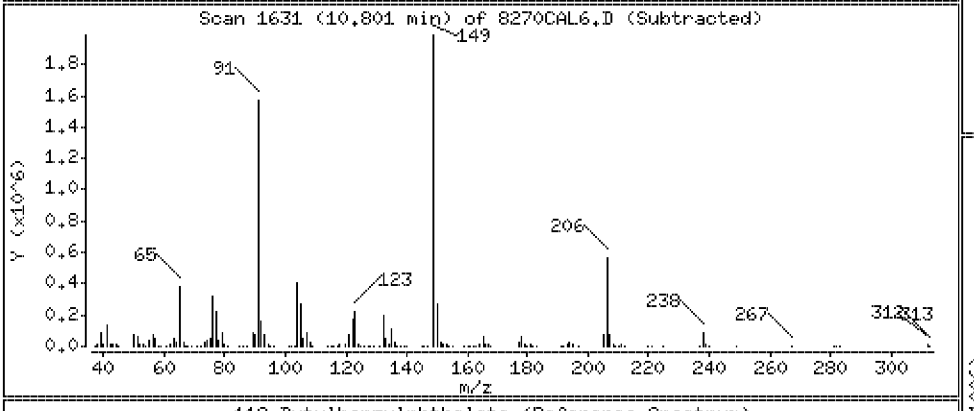
Column diameter: 0.25

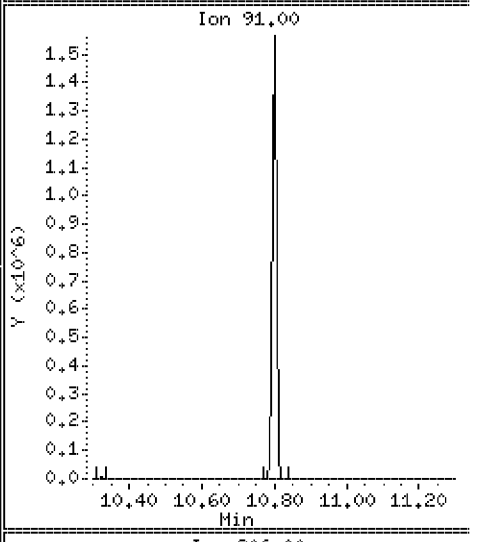
118 Butylbenzylphthalate

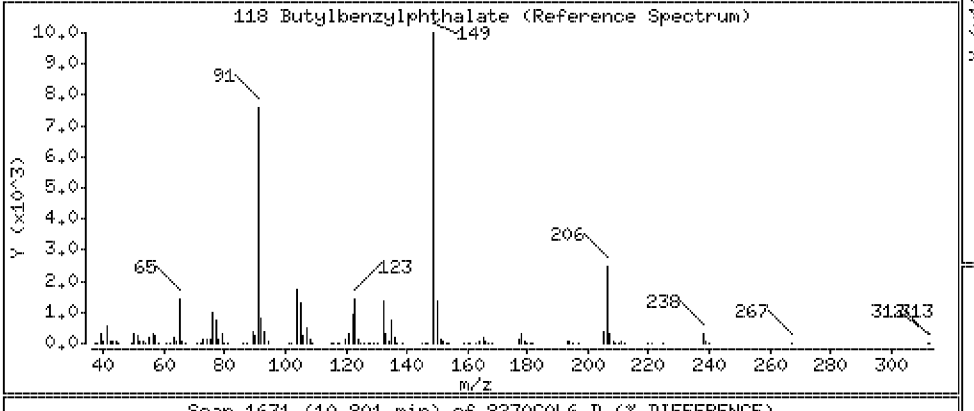
Concentration: 73.5 ug/l

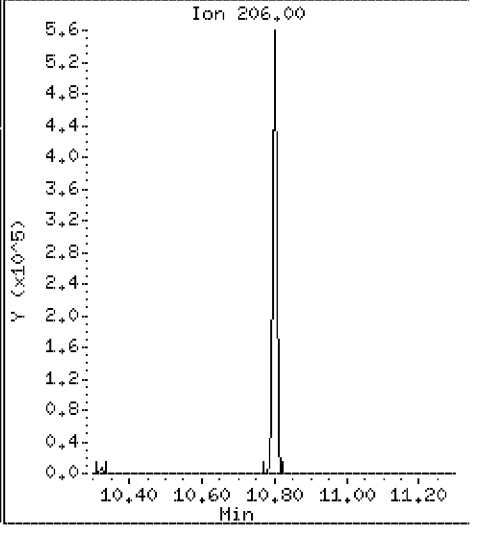


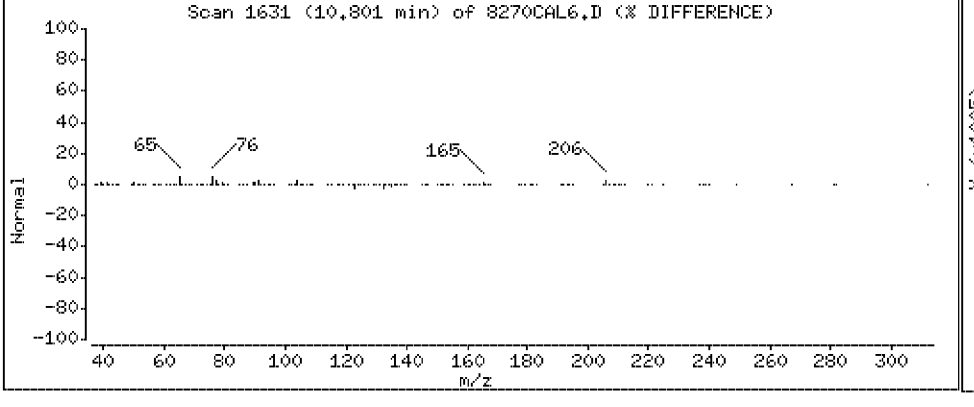












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

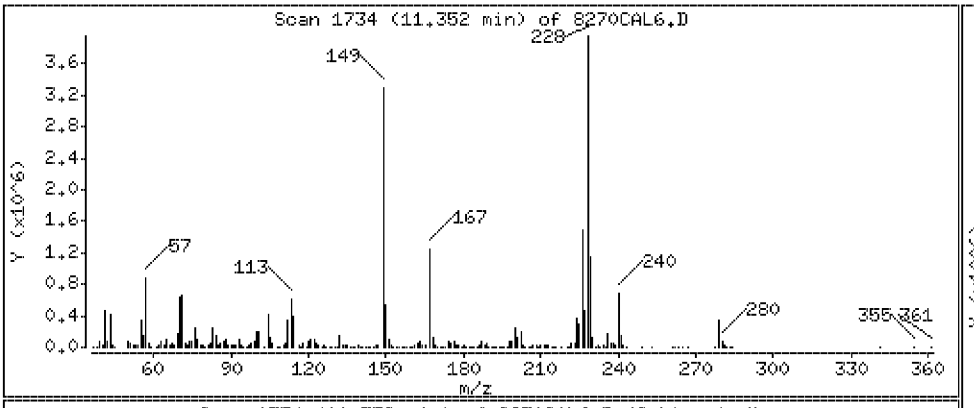
Operator: PEL

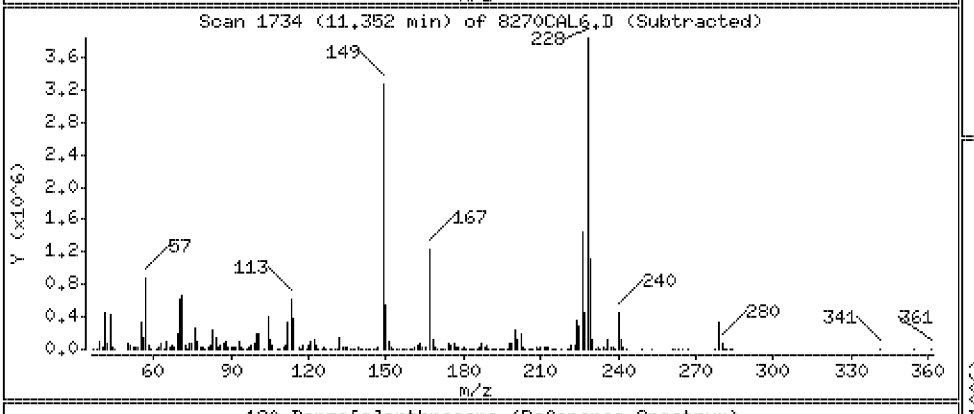
Column phase: HPMS-5

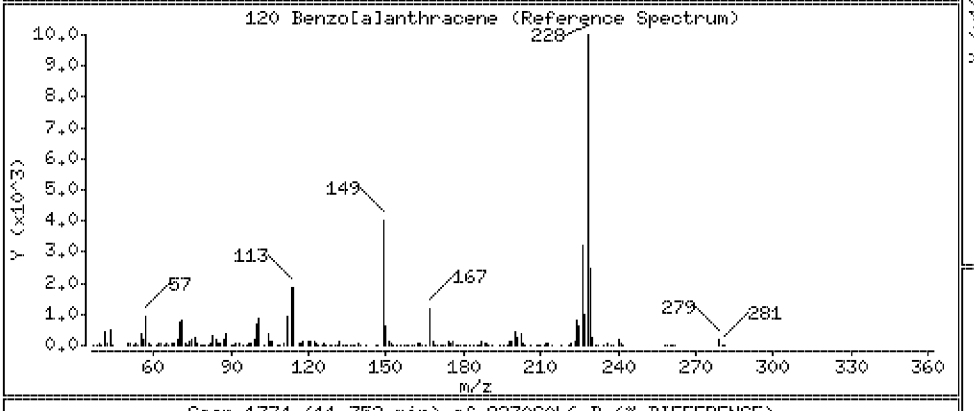
Column diameter: 0.25

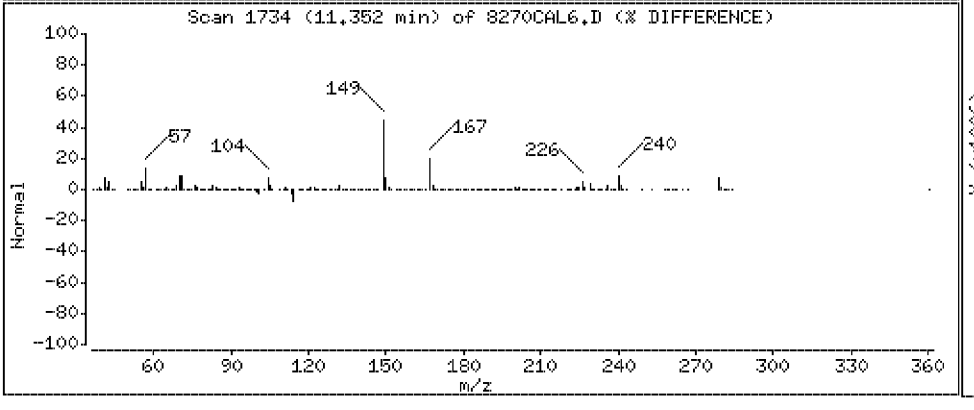
120 Benzo[a]anthracene

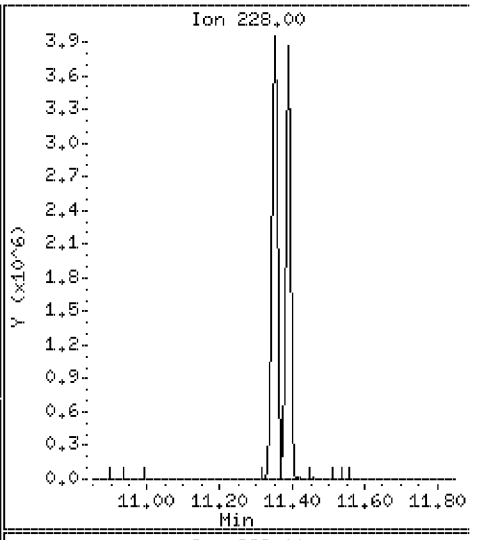
Concentration: 69.9 ug/l

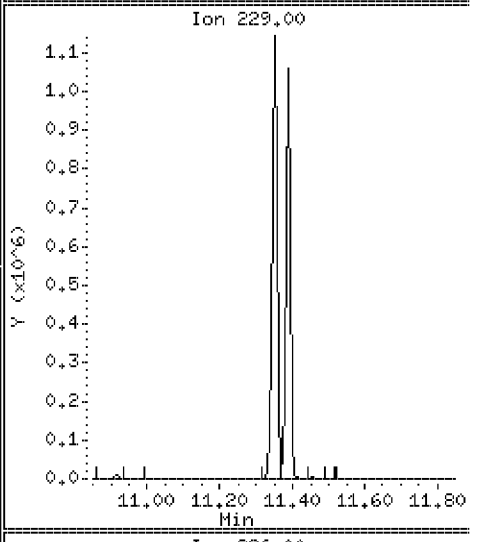


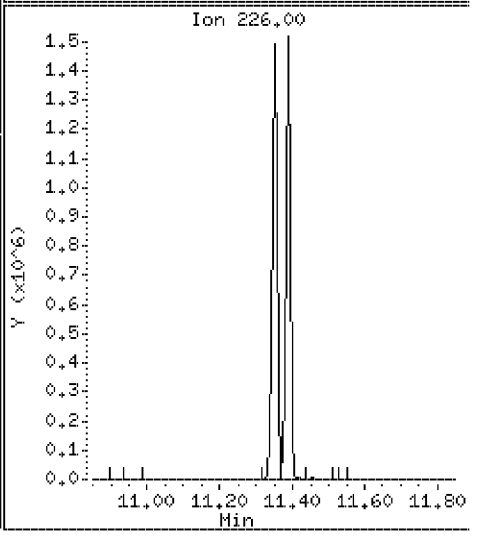












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

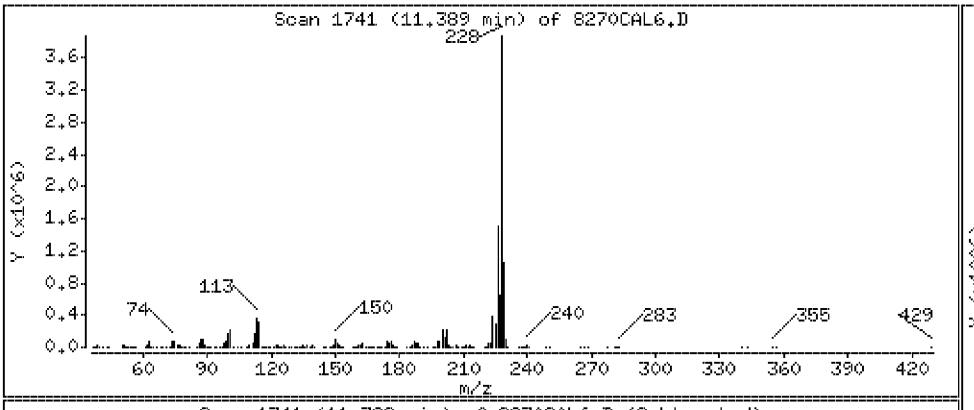
Operator: PEL

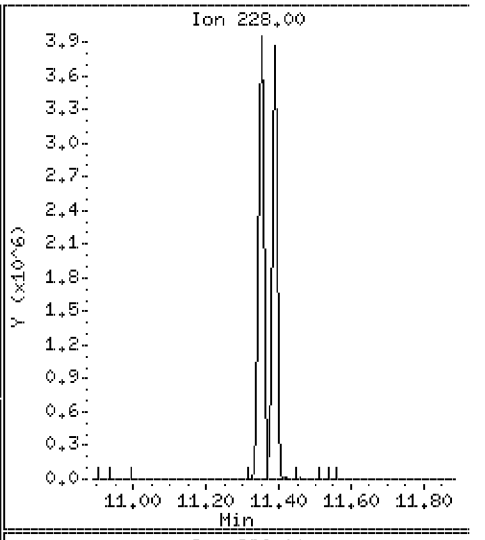
Column phase: HPMS-5

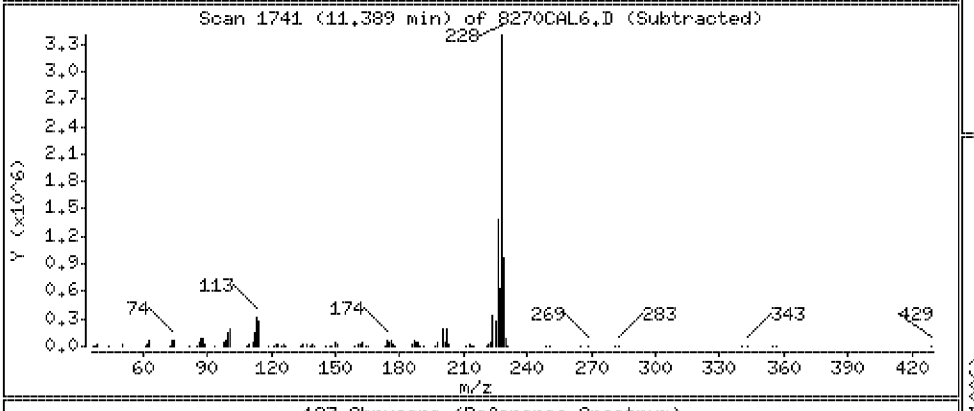
Column diameter: 0.25

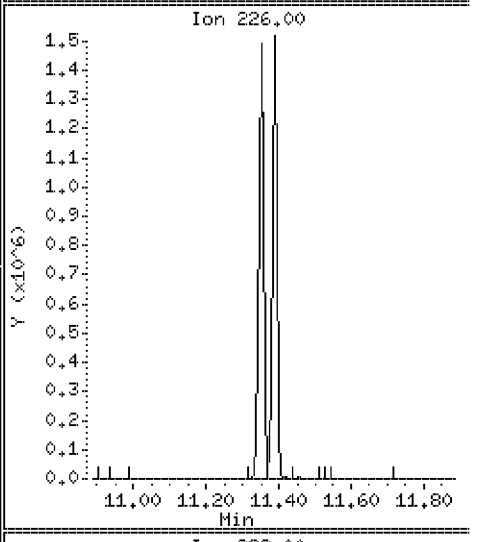
123 Chrysene

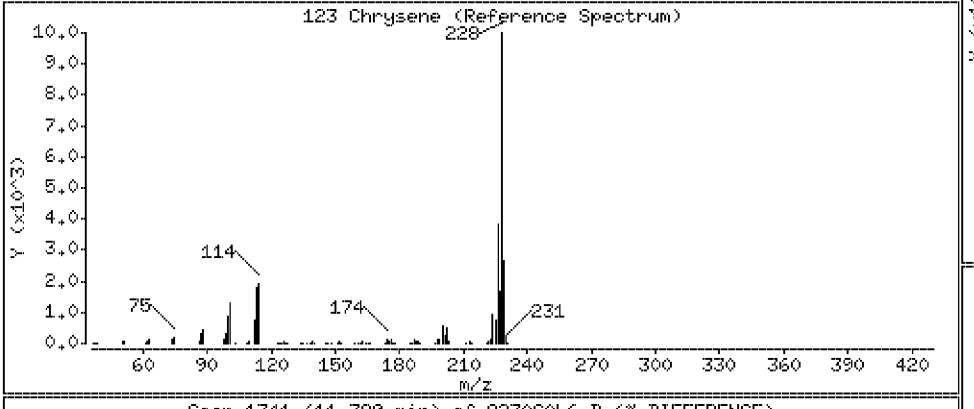
Concentration: 66.6 ug/l

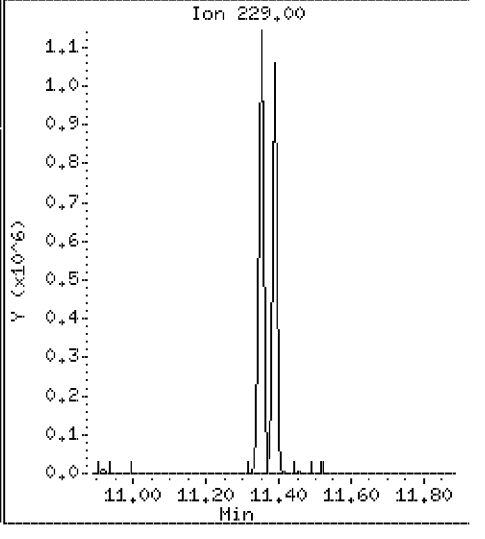


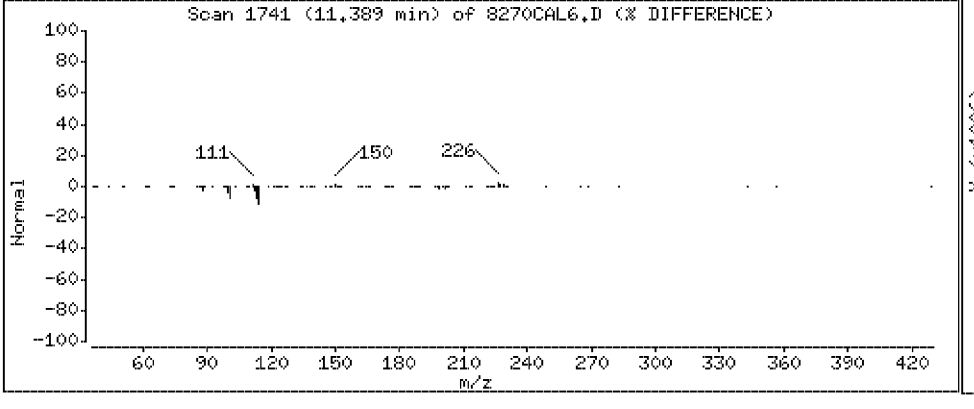












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

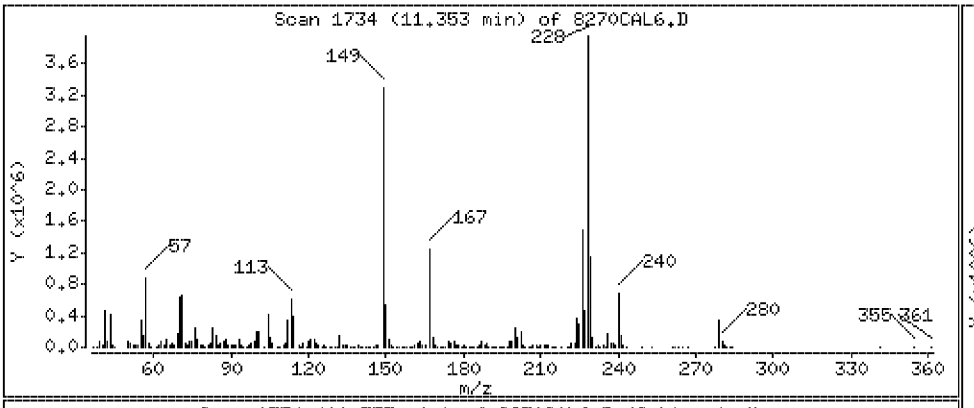
Operator: PEL

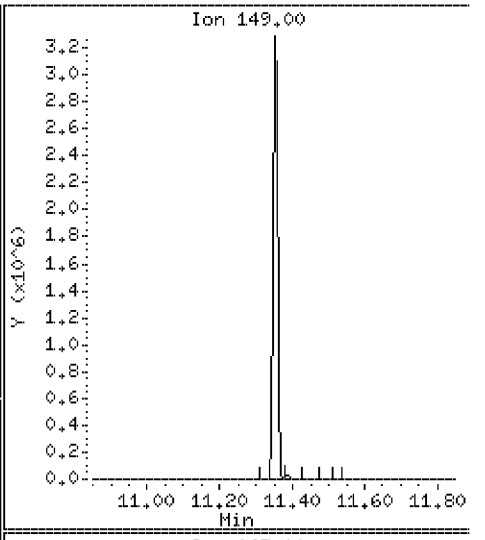
Column phase: HPMS-5

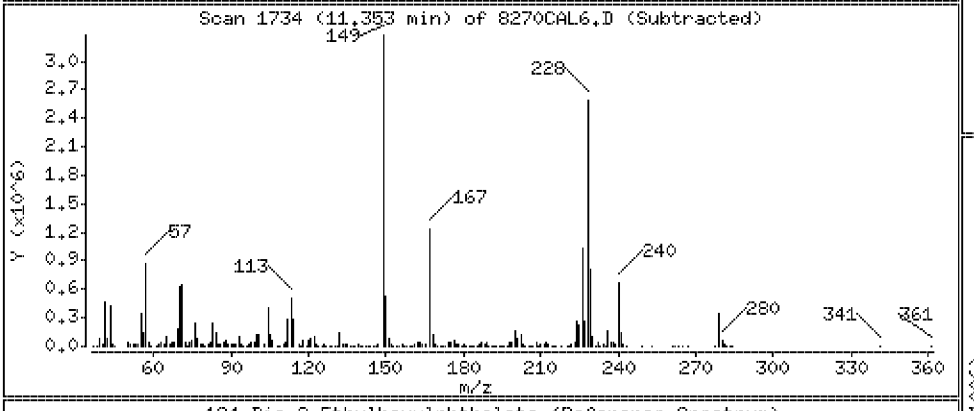
Column diameter: 0.25

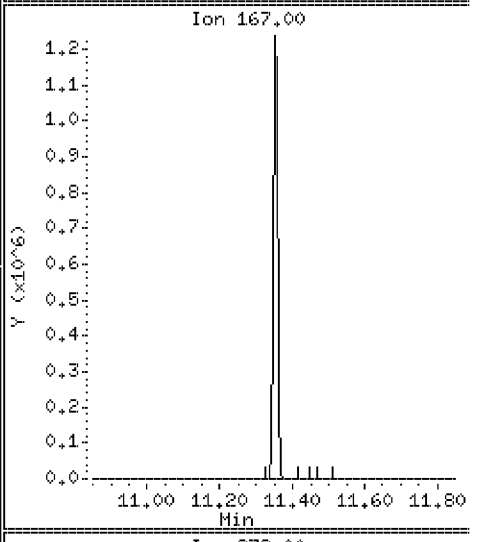
124 Bis-2-Ethylhexylphthalate

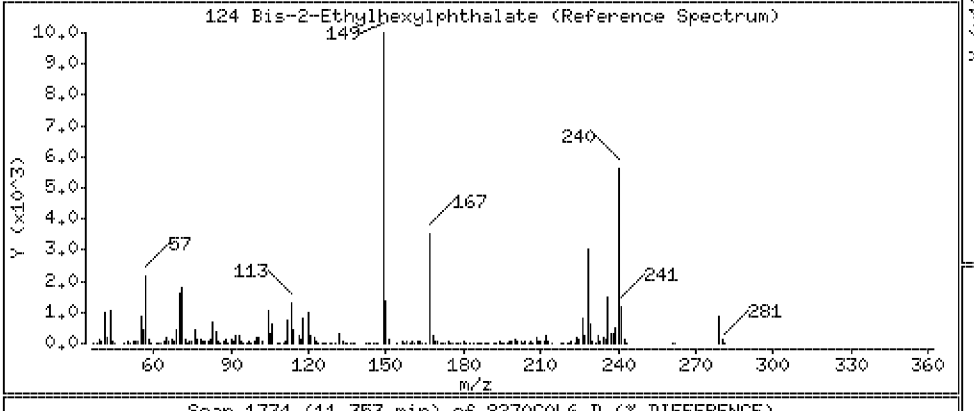
Concentration: 76.6 ug/l

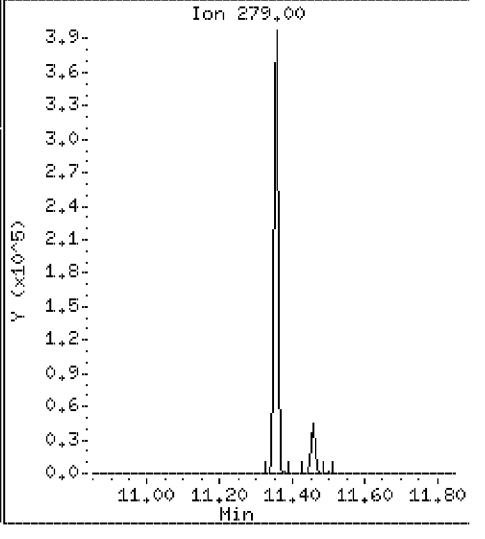


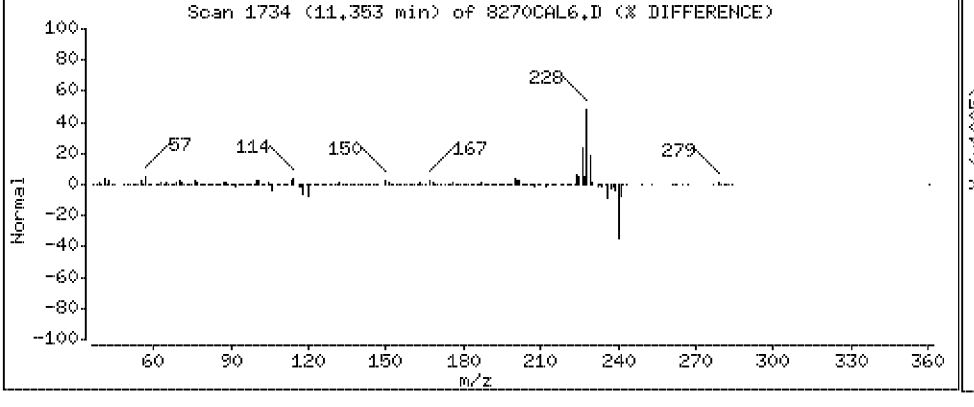












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

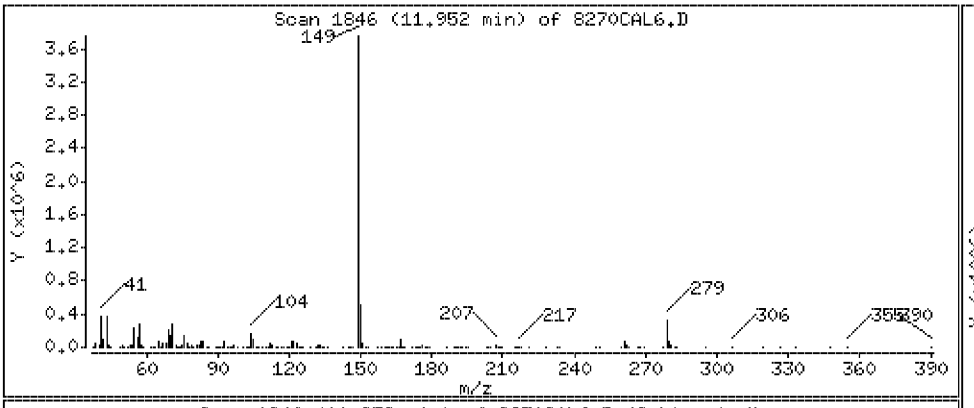
Operator: PEL

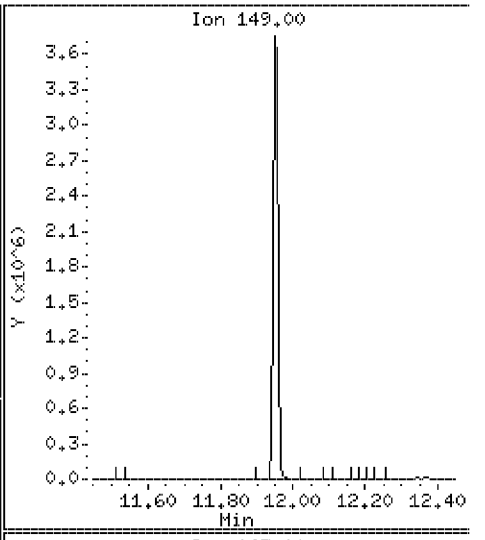
Column phase: HPMS-5

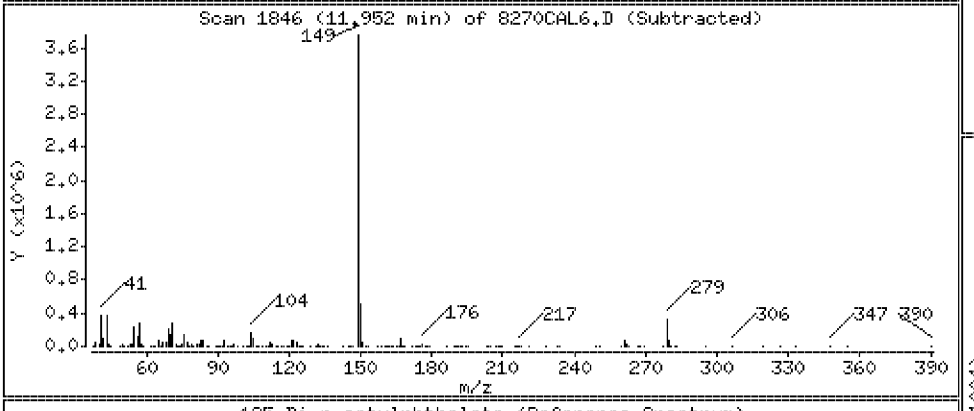
Column diameter: 0.25

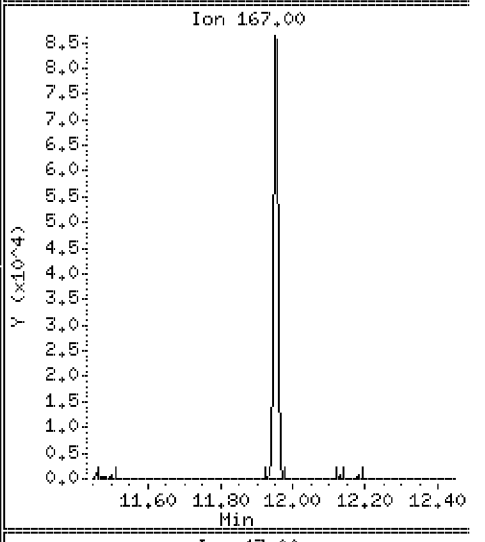
125 Di-n-octylphthalate

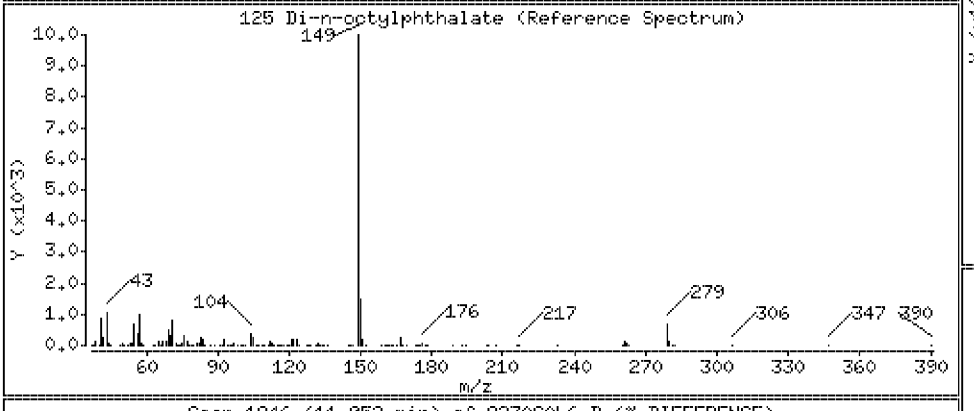
Concentration: 78.1 ug/l

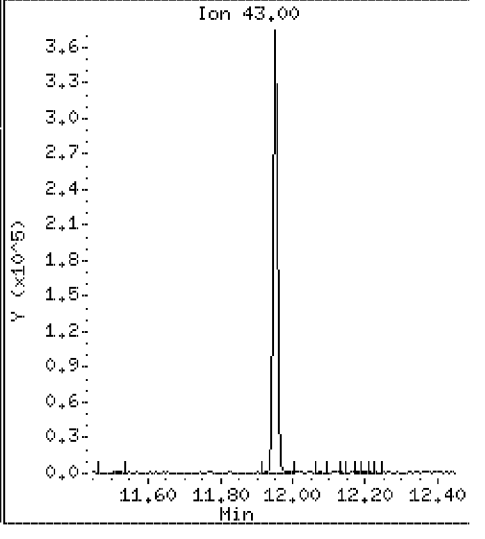


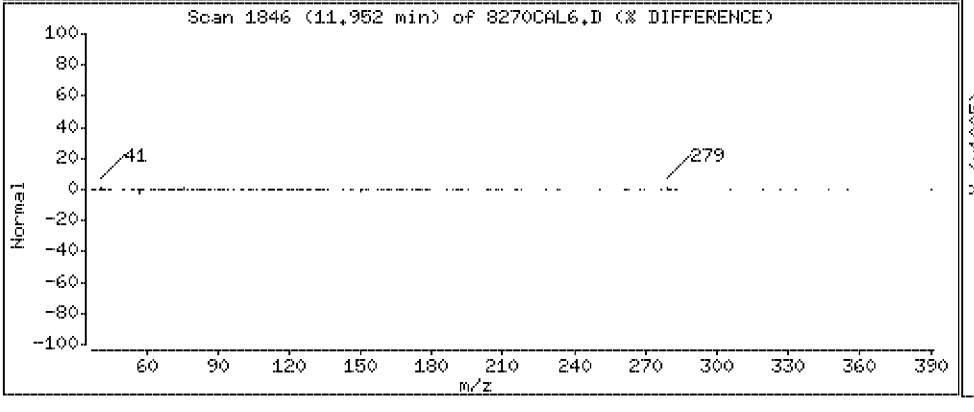












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

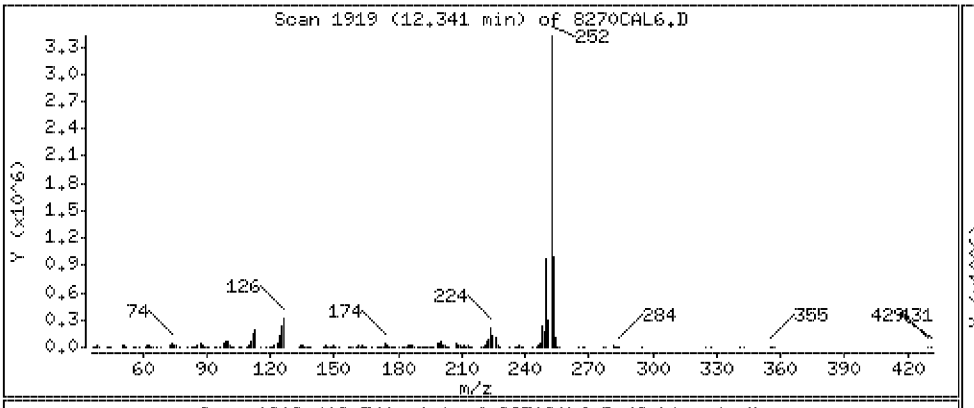
Operator: PEL

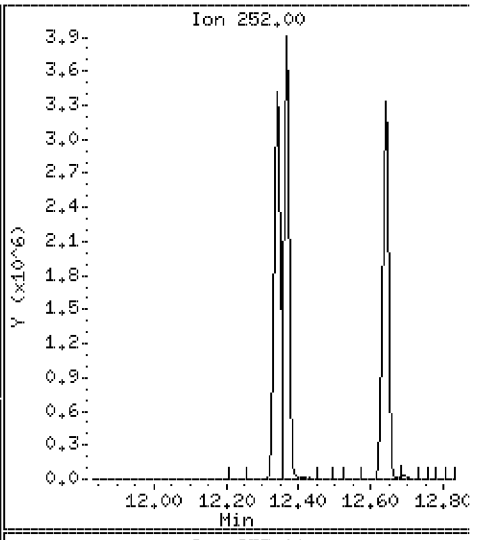
Column phase: HPMS-5

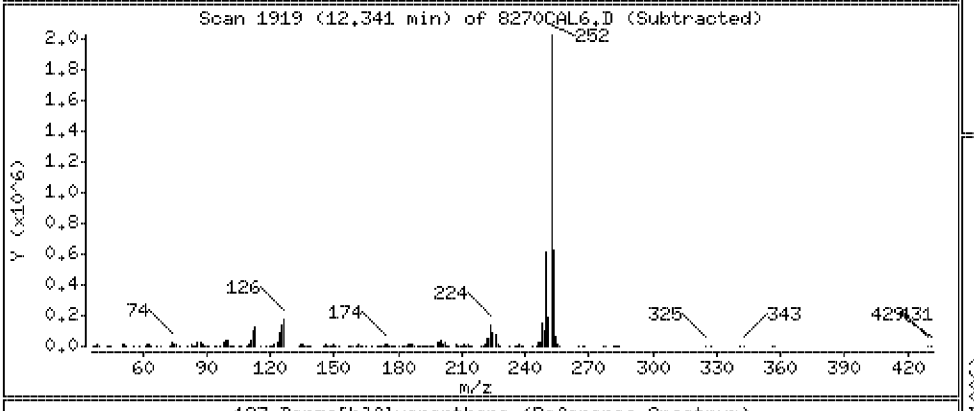
Column diameter: 0.25

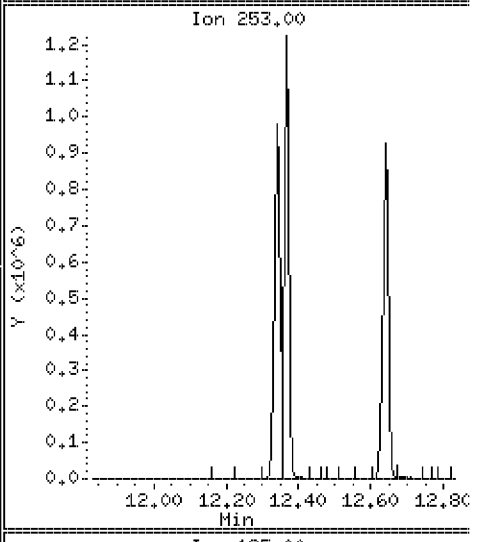
127 Benzo[b]fluoranthene

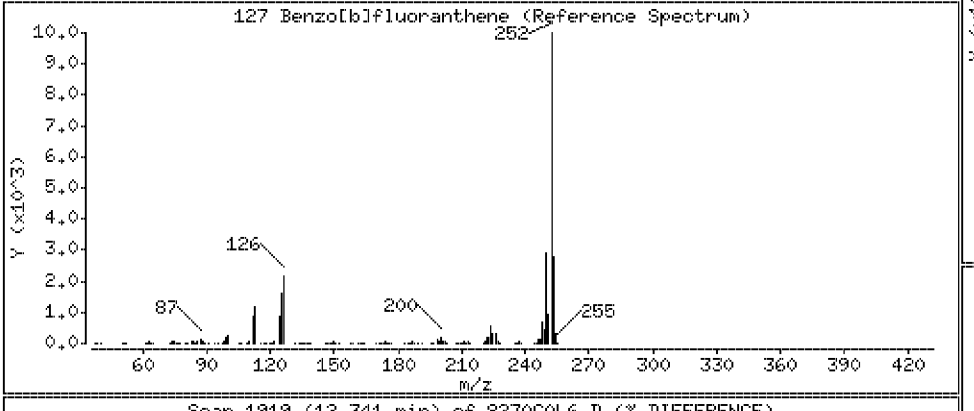
Concentration: 75.5 ug/l

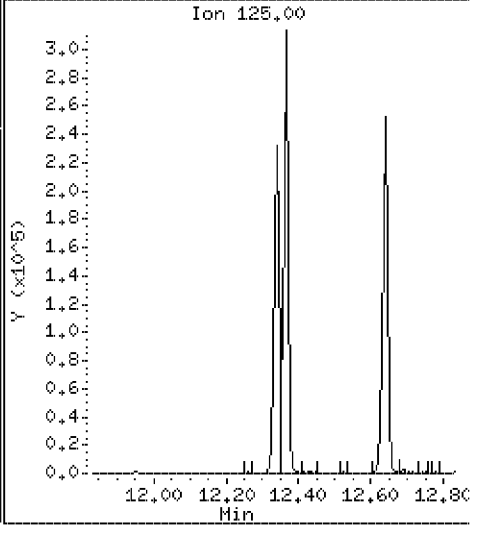


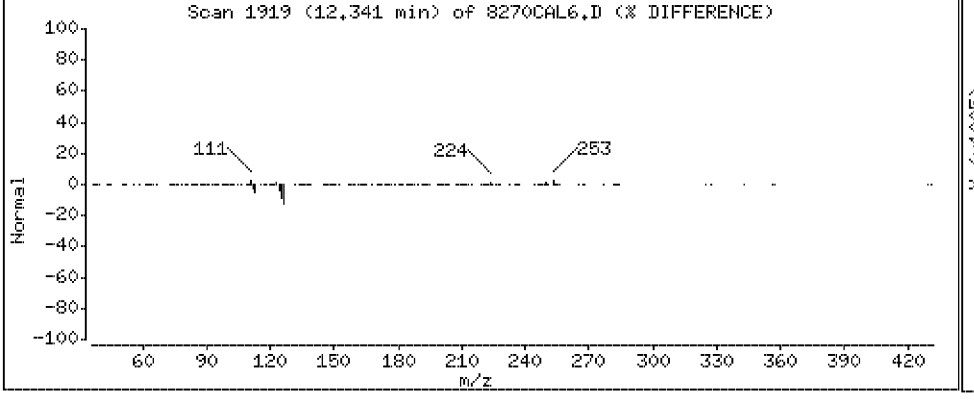












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

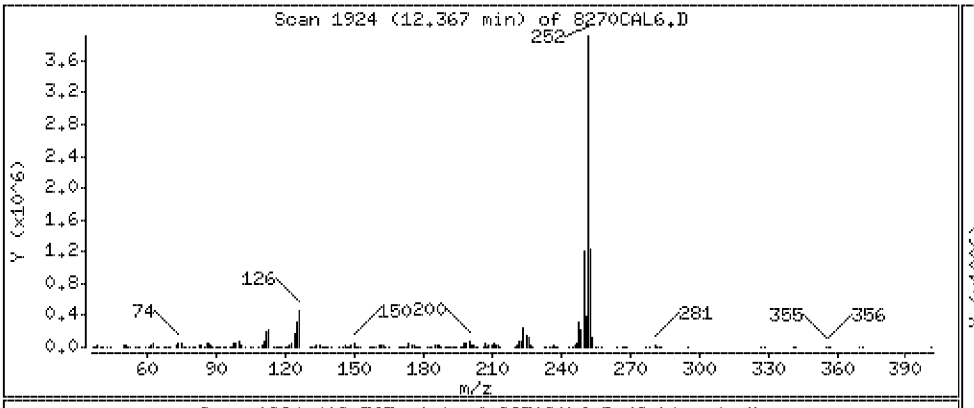
Operator: PEL

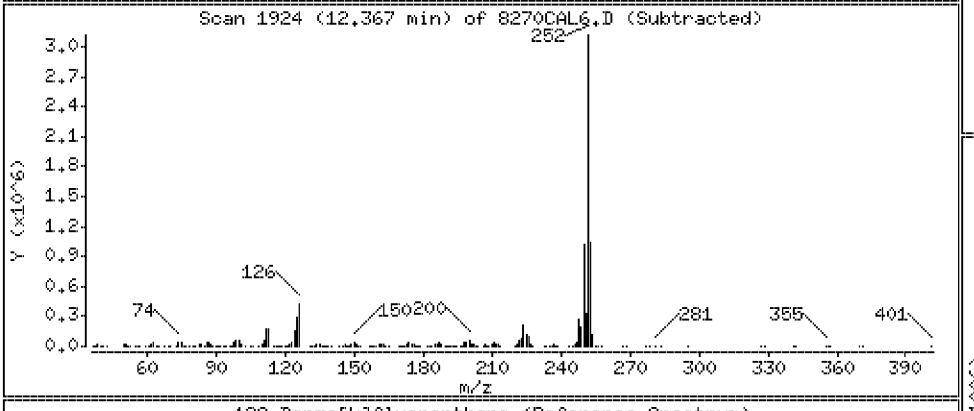
Column phase: HPMS-5

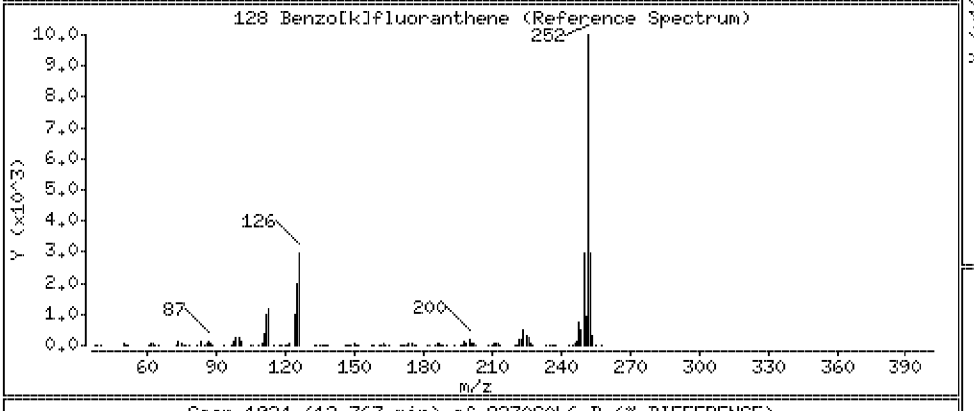
Column diameter: 0.25

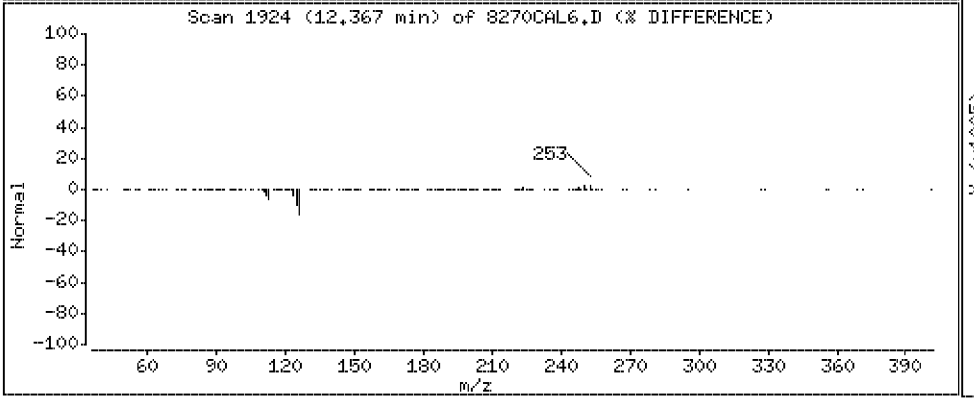
128 Benzo[k]fluoranthene

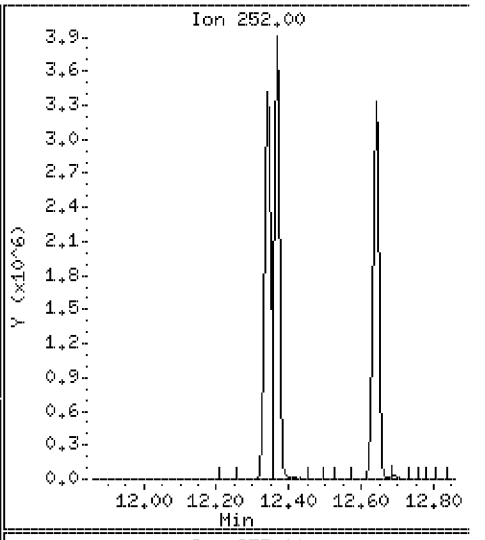
Concentration: 72.8 ug/l

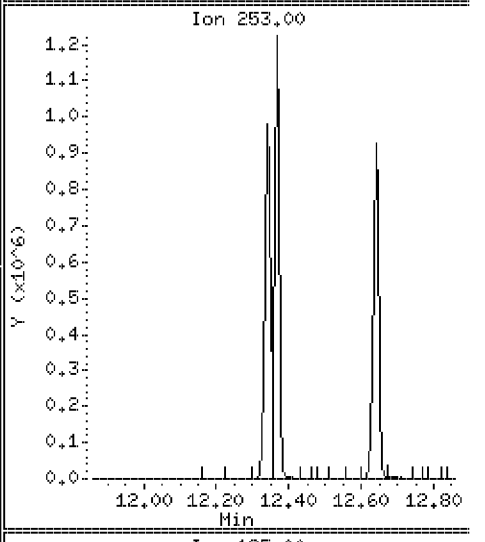


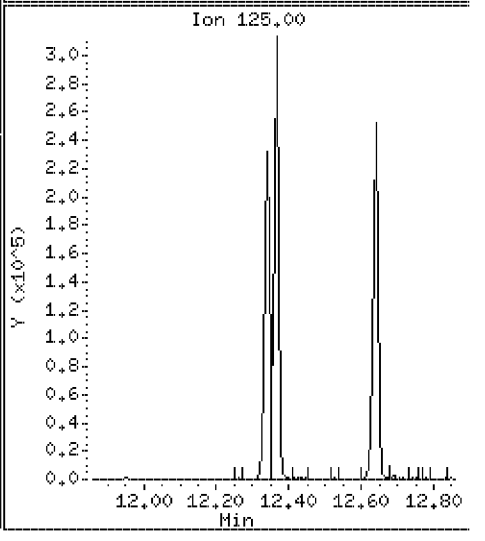












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

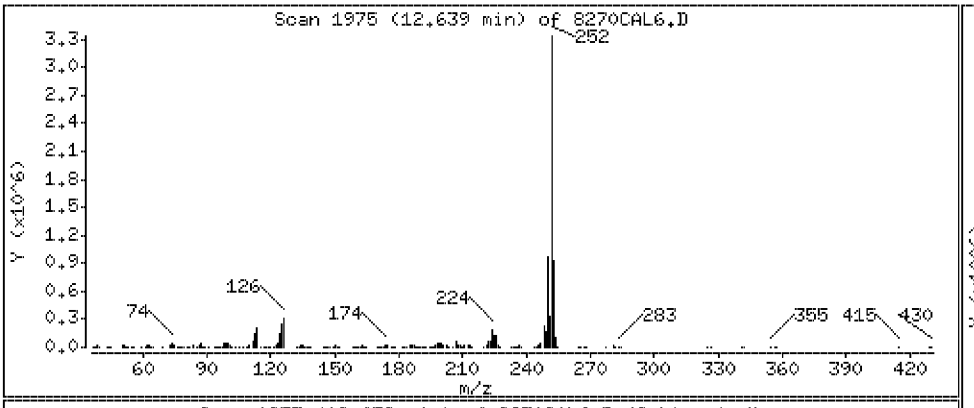
Operator: PEL

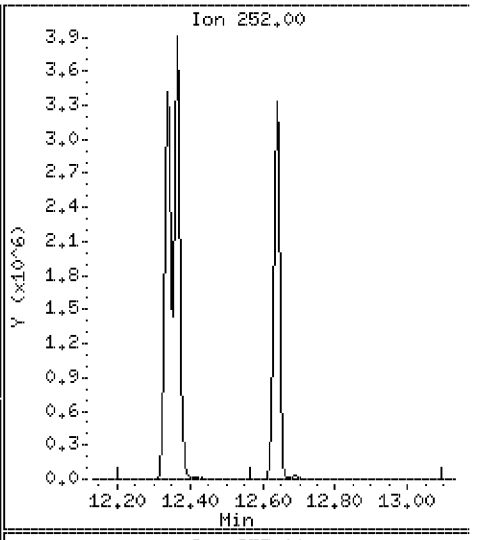
Column phase: HPMS-5

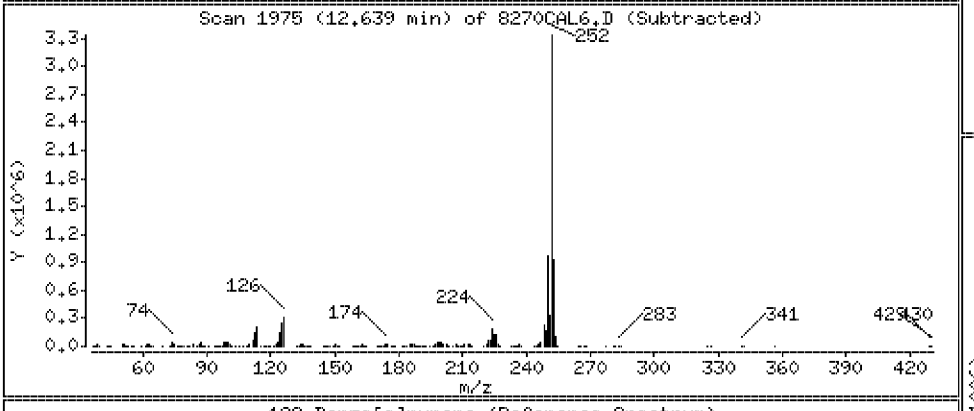
Column diameter: 0.25

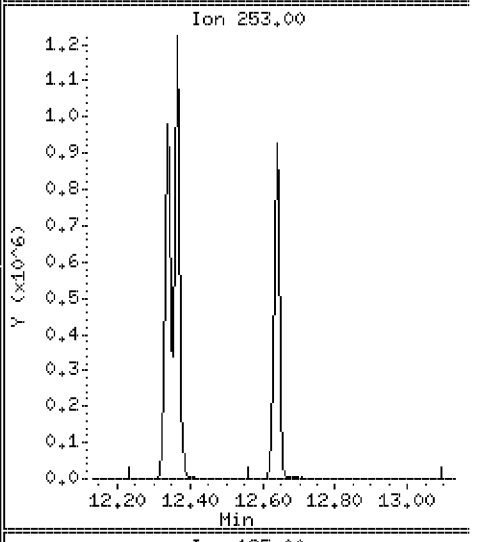
129 Benzo[a]pyrene

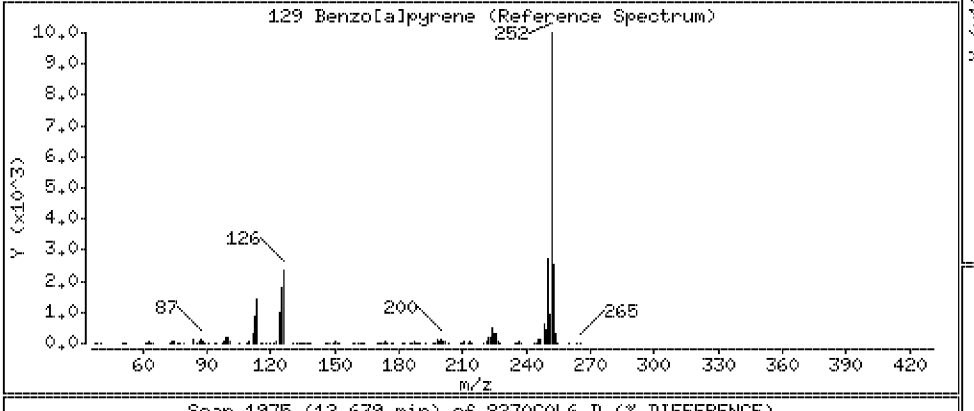
Concentration: 75.0 ug/l

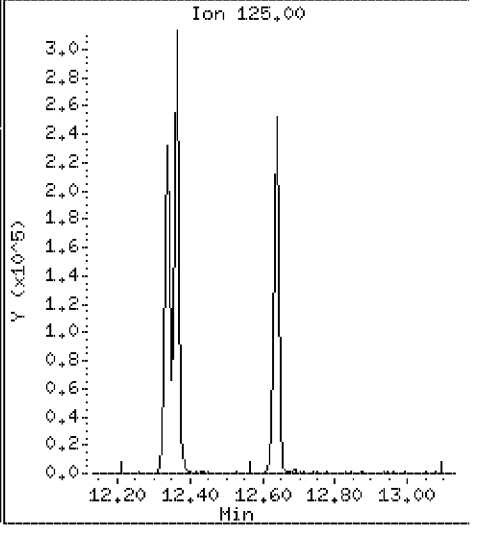


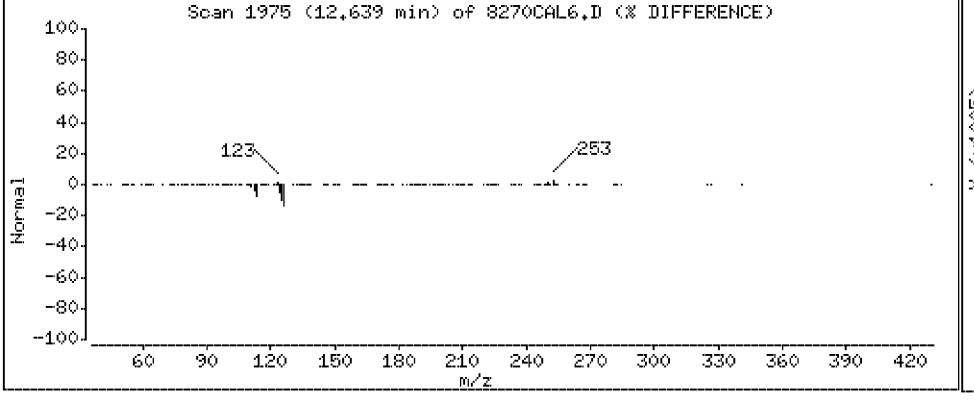












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL6.D

Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

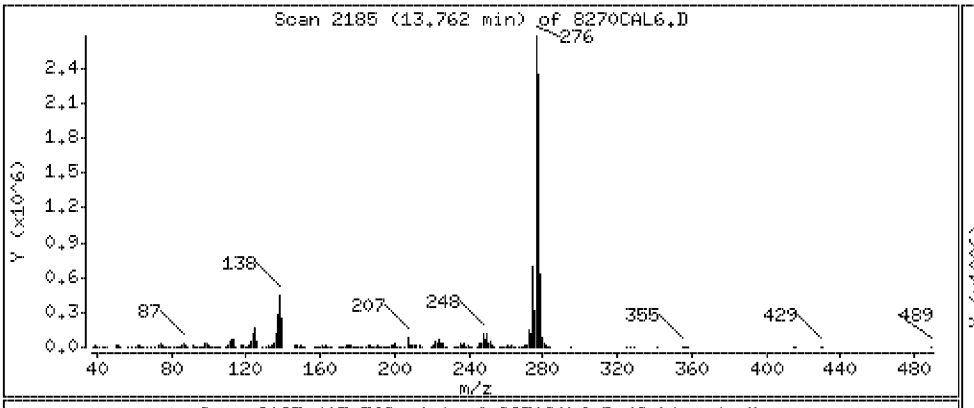
Operator: PEL

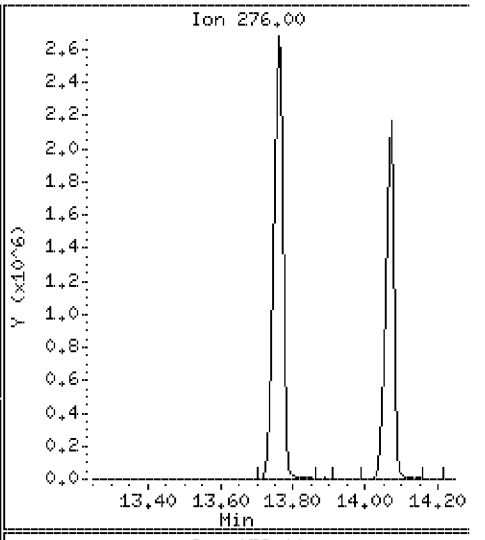
Column phase: HPMS-5

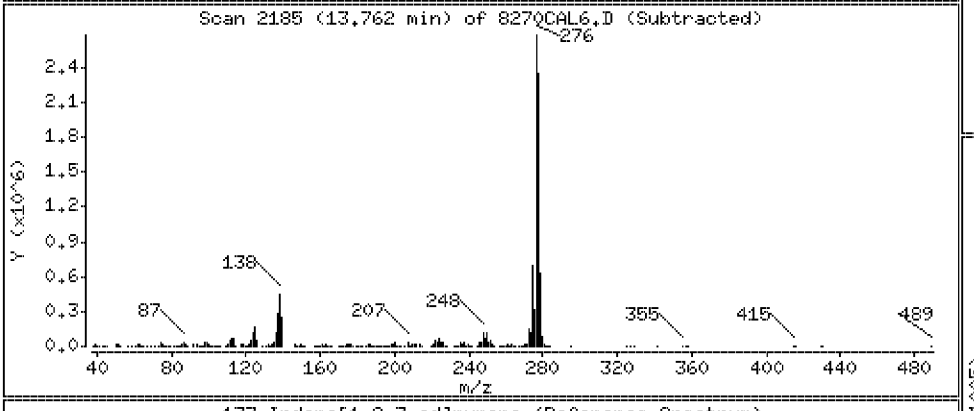
Column diameter: 0.25

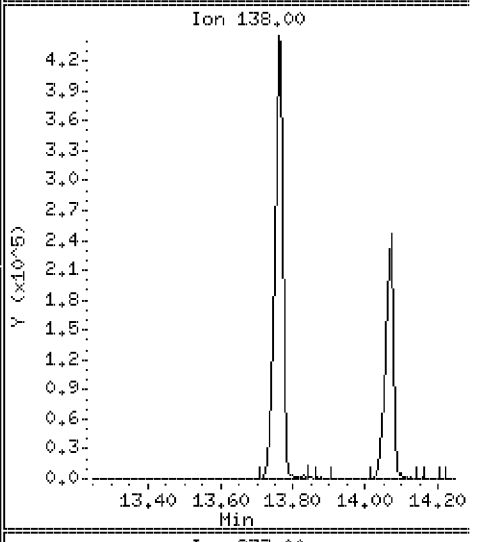
133 Indeno[1,2,3-cd]pyrene

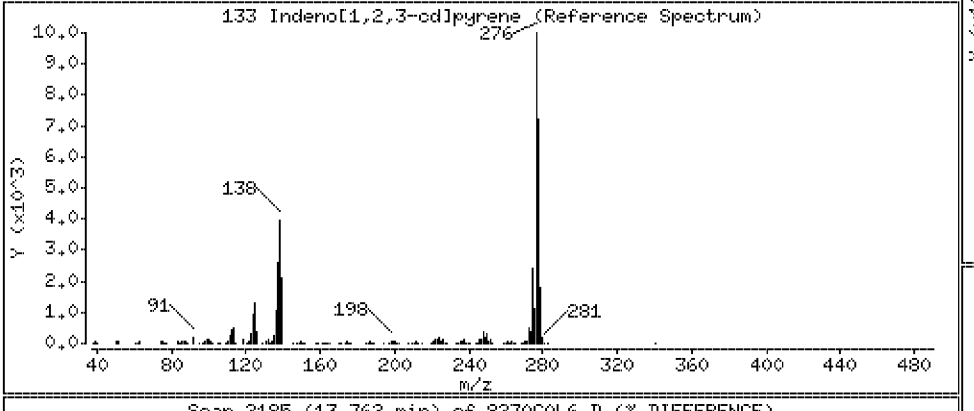
Concentration: 75.0 ug/l

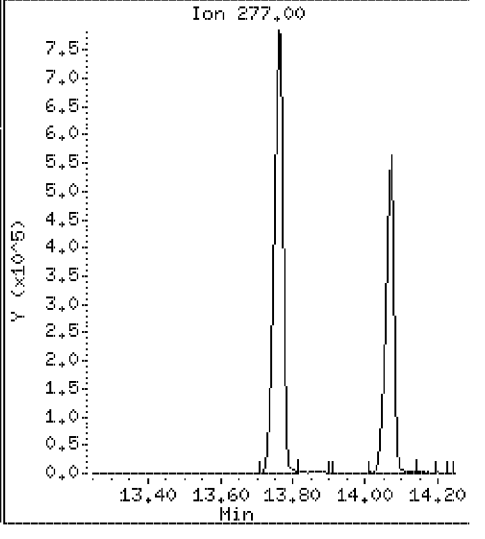


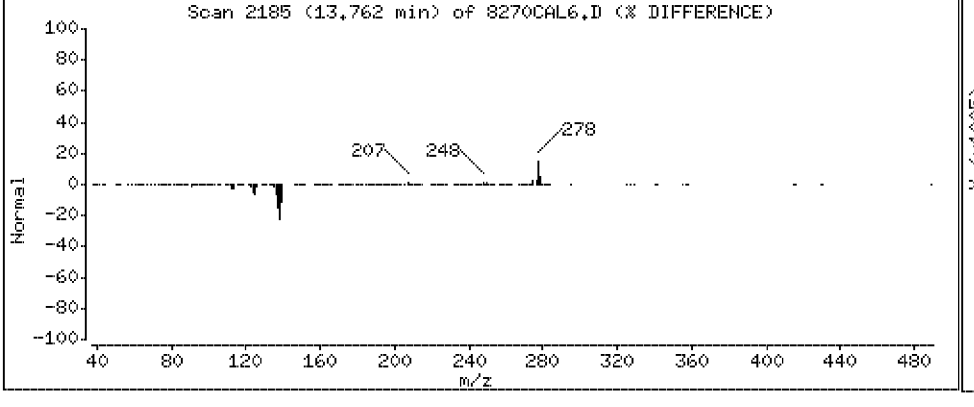












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

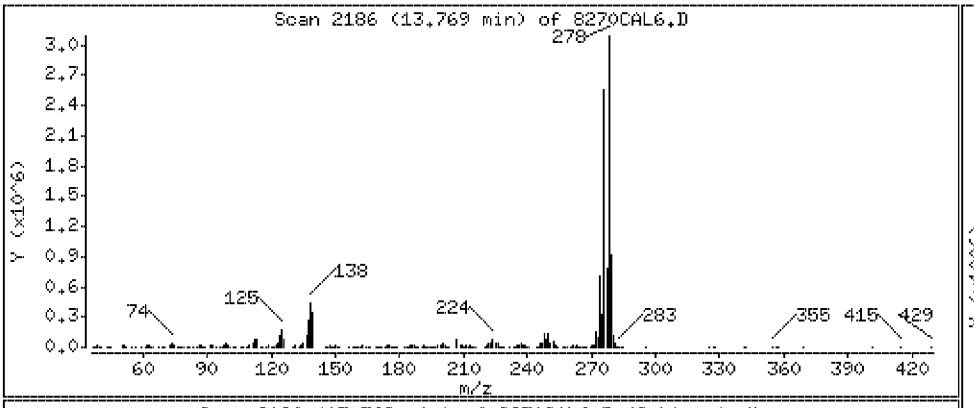
Operator: PEL

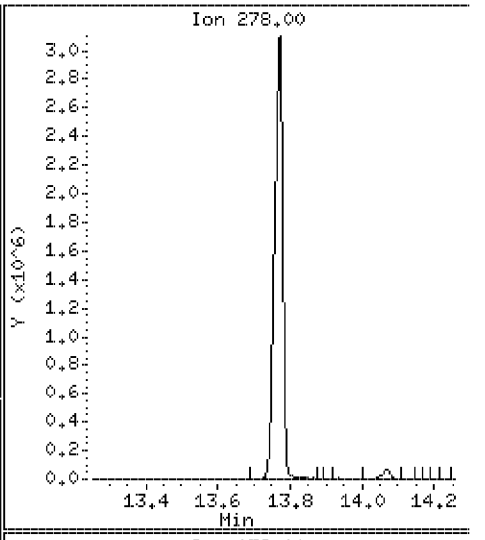
Column phase: HPMS-5

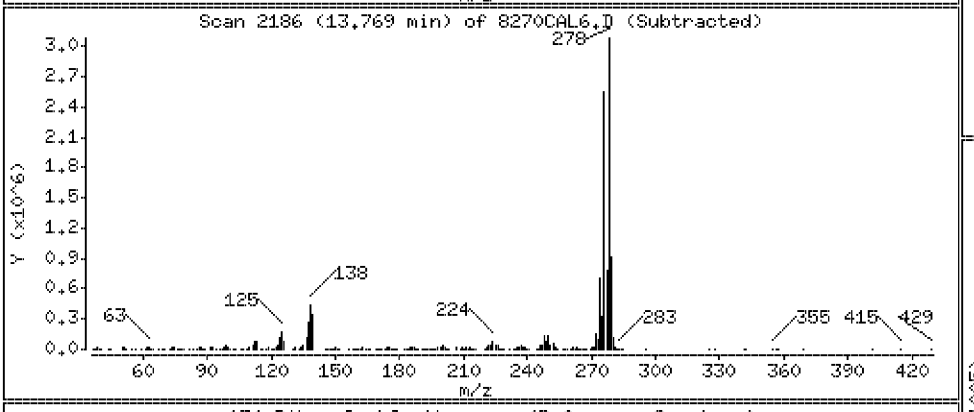
Column diameter: 0.25

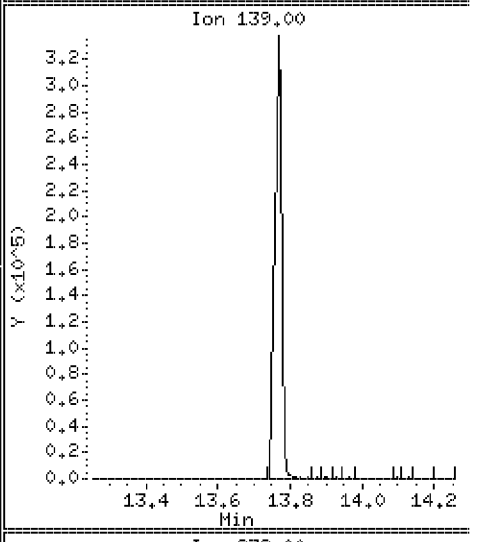
134 Dibenz[a,h]anthracene

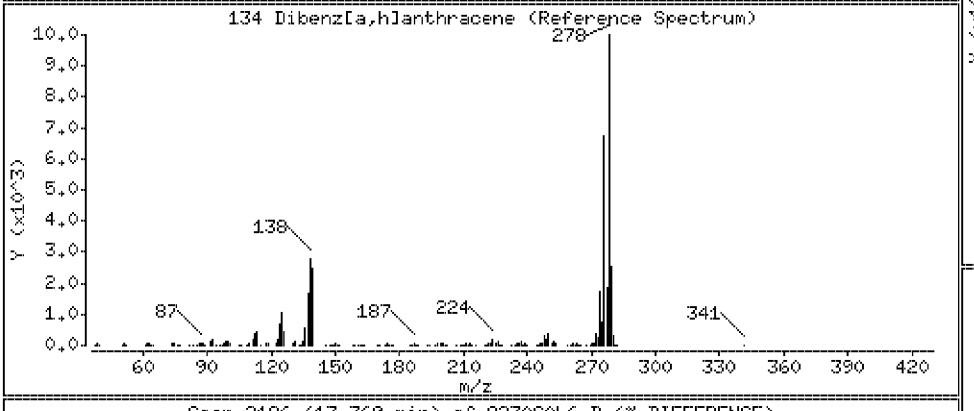
Concentration: 76.3 ug/l

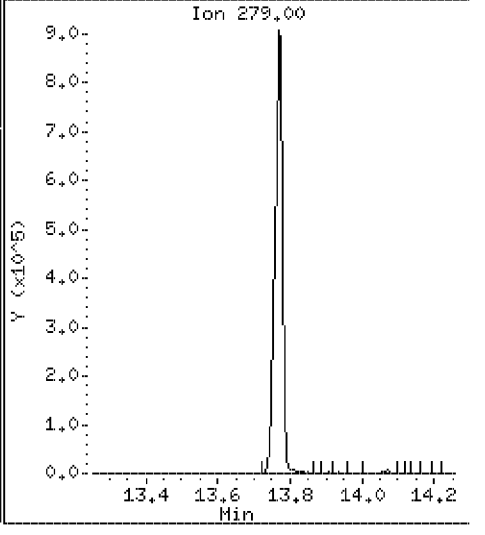


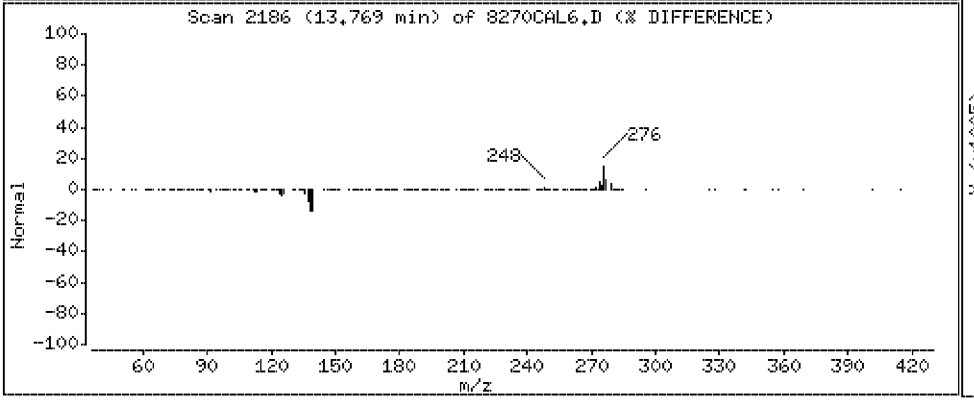












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Date : 23-APR-2012 10:47

Client ID: 8270CAL6

Instrument: smsd03.i

Sample Info: 45922

Purge Volume: 1000.0

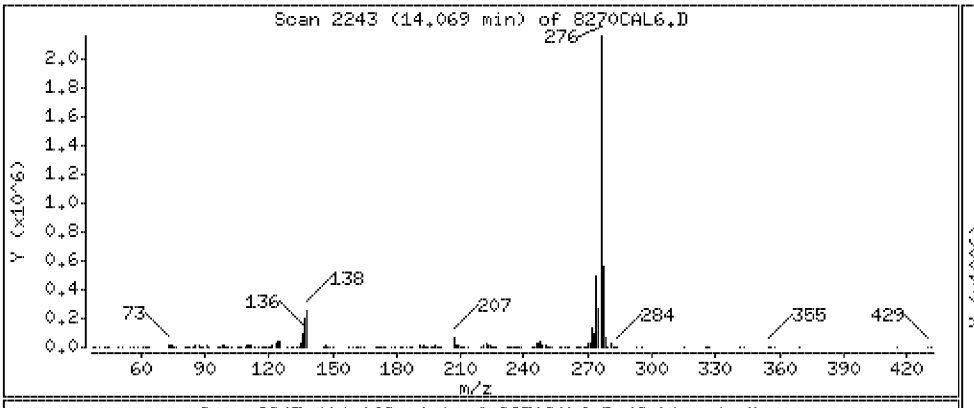
Operator: PEL

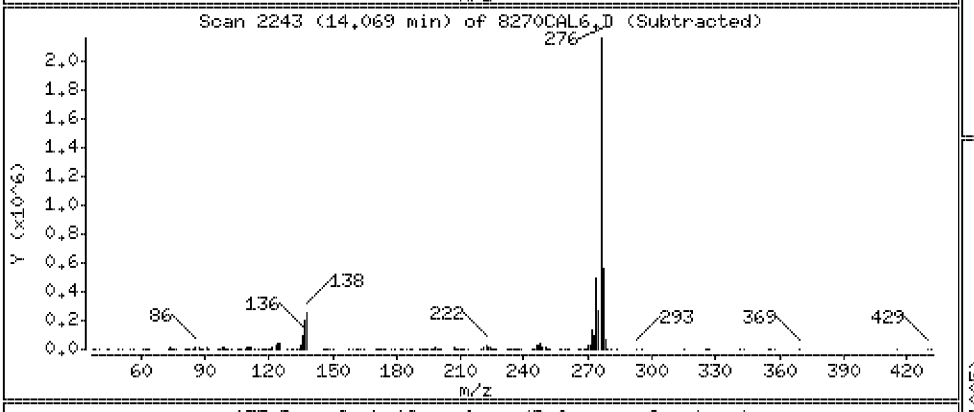
Column phase: HPMS-5

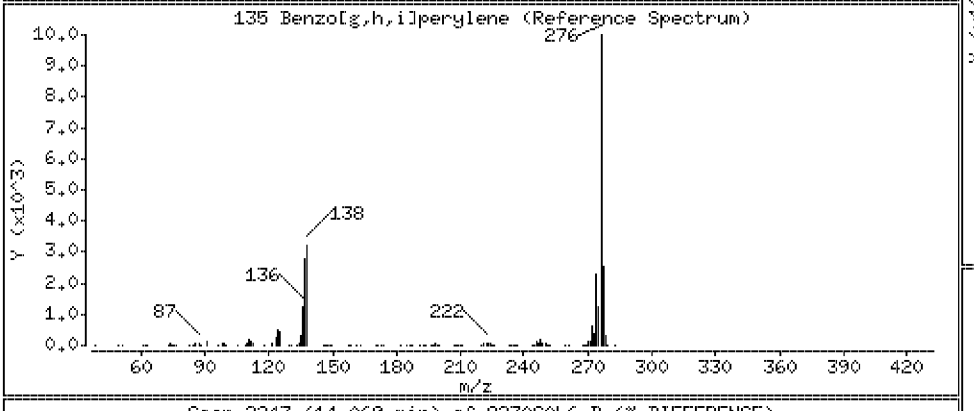
Column diameter: 0.25

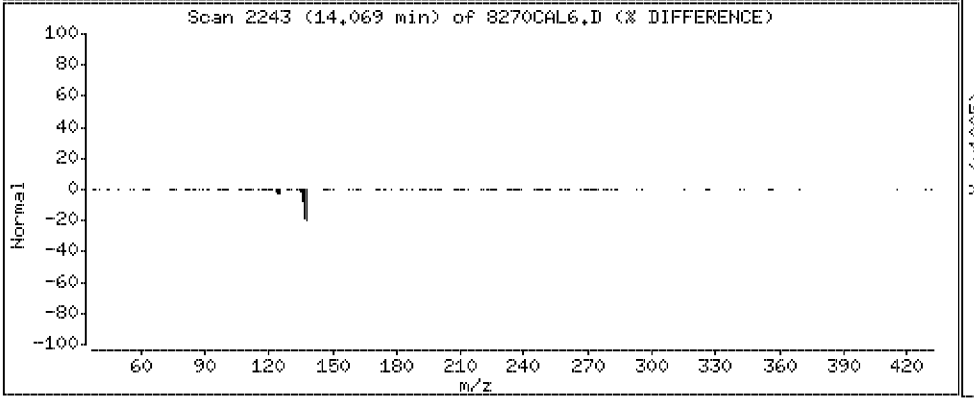
135 Benzo[g,h,i]perylene

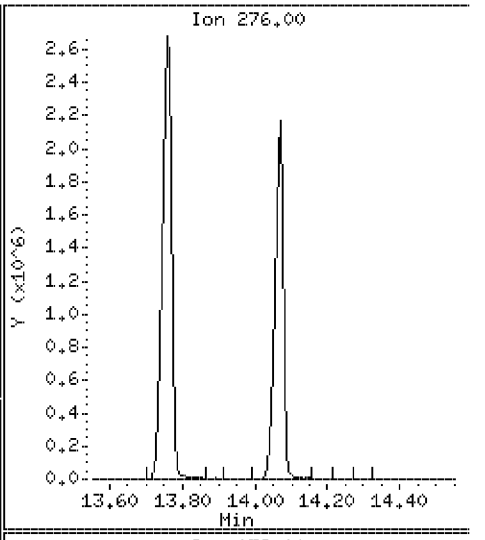
Concentration: 70.3 ug/l

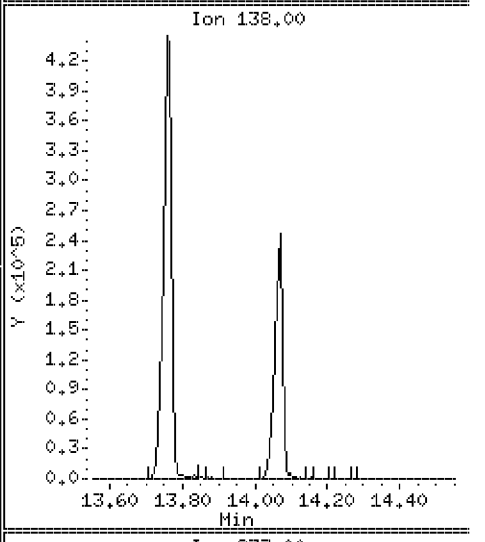


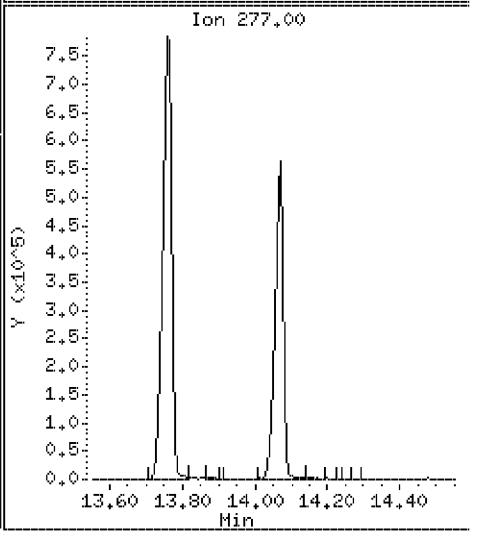












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D
Lab Smp Id: 45923 Client Smp ID: 8270CAL5
Inj Date : 23-APR-2012 11:10 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45923
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 17-APR-2012 22:27 Cal File: AP9CAL7.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	2 Pyridine						CAS #: 110-86-1		
	2.380	2.381	(0.535)	79	776583	60.0000	61.0	80.00- 120.00	100.00
	2.379	2.381	(0.535)	52	292044			7.01- 67.01	37.61
M	16 Cresols (Total)						CAS #: 1319-77-3		
					1352359	120.000			(a)
	1 N-Nitrosodimethylamine						CAS #: 62-75-9		
	2.338	2.338	(0.526)	42	343482	60.0000	59.7	80.00- 120.00	100.00
	2.338	2.338	(0.526)	74	488963			112.35- 172.35	142.35
	2.339	2.338	(0.526)	44	16639			0.00- 34.21	4.84
$	6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
	3.383	3.383	(0.761)	112	1205450	120.000	123	80.00- 120.00	100.00
	3.383	3.383	(0.761)	64	746615			33.15- 93.15	61.94
$	11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
	4.141	4.139	(0.931)	99	1646423	120.000	125	80.00- 120.00	100.00
	4.141	4.139	(0.931)	42	314284			0.00- 48.89	19.09
	4.141	4.139	(0.931)	71	875318			23.76- 83.76	53.16
	13 Phenol						CAS #: 108-95-2		
	4.152	4.151	(0.934)	94	929648	60.0000	62.4	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.153	4.151	(0.934)	65	553146			31.39- 91.39	59.50
4.153	4.151	(0.934)	66	1009521			81.48- 141.48	108.59
	10 Aniline					CAS #: 62-53-3		
4.167	4.166	(0.937)	93	961259	60.0000	60.8	80.00- 120.00	100.00
4.153	4.166	(0.934)	65	553147			26.91- 86.91	57.54
4.153	4.166	(0.934)	66	1009523			73.34- 133.34	105.02
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.211	4.210	(0.947)	93	571615	60.0000	61.0	80.00- 120.00	100.00
4.211	4.210	(0.947)	63	401222			42.30- 102.30	70.19
4.211	4.210	(0.947)	95	184500			1.53- 61.53	32.28
	15 2-Chlorophenol					CAS #: 95-57-8		
4.279	4.278	(0.962)	128	605244	60.0000	61.8	80.00- 120.00	100.00
4.278	4.278	(0.962)	64	316696			20.72- 80.72	52.33
4.279	4.278	(0.962)	130	197465			2.39- 62.39	32.63
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.401	4.401	(0.989)	146	747778	60.0000	62.2	80.00- 120.00	100.00
4.401	4.401	(0.989)	148	497818			36.16- 96.16	66.57
4.400	4.401	(0.989)	111	334635			16.14- 76.14	44.75
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.448	4.448	(1.000)	152	338925	40.0000		80.00- 120.00	100.00
4.447	4.448	(1.000)	115	212910			32.20- 92.20	62.82
4.448	4.448	(1.000)	150	594942			139.77- 199.77	175.54
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.463	4.462	(1.003)	146	773917	60.0000	61.1	80.00- 120.00	100.00
4.463	4.462	(1.003)	148	510161			38.09- 98.09	65.92
4.462	4.462	(1.003)	111	344590			14.50- 74.50	44.53
	21 Benzyl alcohol					CAS #: 100-51-6		
4.568	4.567	(1.027)	108	431091	60.0000	64.2	80.00- 120.00	100.00
4.568	4.567	(1.027)	79	711897			152.29- 212.29	165.14
4.568	4.567	(1.027)	77	500818			97.26- 157.26	116.17
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.600	4.599	(1.034)	146	701630	60.0000	60.8	80.00- 120.00	100.00
4.600	4.599	(1.034)	148	477881			38.32- 98.32	68.11
4.600	4.599	(1.034)	111	331598			18.14- 78.14	47.26
	22 2-Methylphenol					CAS #: 95-48-7		
4.672	4.671	(1.050)	107	553710	60.0000	62.4	80.00- 120.00	100.00
4.672	4.671	(1.050)	108	630729			82.43- 142.43	113.91
4.672	4.671	(1.050)	79	474115			55.43- 115.43	85.63
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.676	4.675	(1.051)	45	395260	60.0000	60.4	80.00- 120.00	100.00
4.672	4.675	(1.050)	77	537865			102.98- 162.98	136.08
4.677	4.675	(1.051)	121	216601			24.22- 84.22	54.80

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol							CAS #: 106-44-5	
4.809	4.808	(1.081)	107	798649	60.0000	62.2	80.00- 120.00	100.00
4.809	4.808	(1.081)	108	660389			50.54- 110.54	82.69
4.809	4.808	(1.081)	79	254979			2.76- 62.76	31.93
26 N-Nitrosodinpropylamine							CAS #: 621-64-7	
4.801	4.798	(1.079)	70	617050	60.0000	61.8	80.00- 120.00	100.00
4.800	4.798	(1.079)	42	237140			6.87- 66.87	38.43
4.802	4.798	(1.079)	130	120316			0.00- 49.23	19.50
30 Hexachloroethane							CAS #: 67-72-1	
4.902	4.902	(1.102)	117	304174	60.0000	60.8	80.00- 120.00	100.00
4.903	4.902	(1.102)	201	369564			90.07- 150.07	121.50
4.903	4.902	(1.102)	199	226745			43.69- 103.69	74.54
$ 31 Nitrobenzene-d5 (SURR)							CAS #: 4165-60-0	
4.945	4.944	(0.881)	82	929435	60.0000	60.8	80.00- 120.00	100.00
4.946	4.944	(0.881)	128	305099			2.76- 62.76	32.83
4.945	4.944	(0.881)	54	348633			7.08- 67.08	37.51
32 Nitrobenzene							CAS #: 98-95-3	
4.963	4.962	(0.885)	77	895999	60.0000	59.4	80.00- 120.00	100.00
4.963	4.962	(0.885)	123	314361			4.18- 64.18	35.08
4.963	4.962	(0.885)	65	140750			0.00- 45.17	15.71
34 Isophorone							CAS #: 78-59-1	
5.178	5.176	(0.923)	82	1094088	60.0000	59.5	80.00- 120.00	100.00
5.179	5.176	(0.923)	138	173079			0.00- 46.29	15.82
5.179	5.176	(0.923)	95	98438			0.00- 39.21	9.00
35 2-Nitrophenol							CAS #: 88-75-5	
5.254	5.253	(0.936)	139	344562	60.0000	61.7	80.00- 120.00	100.00
5.253	5.253	(0.936)	65	243178			43.34- 103.34	70.58
5.254	5.253	(0.936)	109	170035			20.91- 80.91	49.35
36 2,4-Dimethylphenol							CAS #: 105-67-9	
5.295	5.294	(0.944)	122	515402	60.0000	60.0	80.00- 120.00	100.00
5.295	5.294	(0.944)	107	721013			111.45- 171.45	139.89
5.295	5.294	(0.944)	121	309657			28.89- 88.89	60.08
38 Bis(2-Chloroethoxy)methane							CAS #: 111-91-1	
5.370	5.369	(0.957)	93	747227	60.0000	60.0	80.00- 120.00	100.00
5.370	5.369	(0.957)	95	239768			3.06- 63.06	32.09
5.371	5.369	(0.957)	123	92964			0.00- 44.40	12.44
40 Benzoic Acid							CAS #: 65-85-0	
5.417	5.404	(0.966)	122	367114	60.0000	60.4	80.00- 120.00	100.00
5.417	5.404	(0.965)	105	512555			107.67- 167.67	139.62
5.415	5.404	(0.965)	77	489543			104.37- 164.37	133.35
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.491	5.490	(0.979)	162	635181	60.0000	62.6	80.00- 120.00	100.00
5.491	5.490	(0.979)	164	408488			36.50- 96.50	64.31

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol (continued)								
5.490	5.490	(0.978)	98	214960			5.73- 65.73	33.84
42 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
5.555	5.555	(0.990)	180	770128	60.0000	60.8	80.00- 120.00	100.00
5.555	5.555	(0.990)	182	728464			67.47- 127.47	94.59
5.555	5.555	(0.990)	145	214610			0.00- 58.13	27.87
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.611	5.610	(1.000)	136	1133546	40.0000		80.00- 120.00	100.00
5.610	5.610	(1.000)	68	63744			0.00- 35.51	5.62
44 Naphthalene						CAS #: 91-20-3		
5.631	5.630	(1.004)	128	1751260	60.0000	60.2	80.00- 120.00	100.00
5.631	5.630	(1.004)	129	203435			0.00- 41.28	11.62
5.631	5.630	(1.004)	127	245841			0.00- 43.27	14.04
45 4-Chloroaniline						CAS #: 106-47-8		
5.682	5.681	(1.013)	127	740731	60.0000	60.6	80.00- 120.00	100.00
5.682	5.681	(1.013)	129	244379			2.39- 62.39	32.99
5.682	5.681	(1.013)	65	298985			11.54- 71.54	40.36
48 Hexachlorobutadiene						CAS #: 87-68-3		
5.746	5.746	(1.024)	225	592832	60.0000	61.2	80.00- 120.00	100.00
5.746	5.746	(1.024)	223	365445			32.02- 92.02	61.64
5.746	5.746	(1.024)	227	376753			34.54- 94.54	63.55
51 4-Chloro-3-methylphenol						CAS #: 59-50-7		
6.159	6.158	(1.098)	107	594295	60.0000	60.9	80.00- 120.00	100.00
6.160	6.158	(1.098)	144	151330			0.00- 55.95	25.46
6.160	6.158	(1.098)	142	462043			44.47- 104.47	77.75
53 2-Methylnaphthalene						CAS #: 91-57-6		
6.290	6.289	(1.121)	142	1289643	60.0000	60.9	80.00- 120.00	100.00
6.290	6.289	(1.121)	141	1124905			58.08- 118.08	87.23
54 1-Methylnaphthalene						CAS #: 90-12-0		
6.386	6.385	(1.138)	142	1151659	60.0000	59.9	80.00- 120.00	100.00
6.386	6.385	(1.138)	141	1055537			61.72- 121.72	91.65
55 Hexachlorocyclopentadiene						CAS #: 77-47-4		
6.445	6.445	(0.882)	237	762808	60.0000	63.4	80.00- 120.00	100.00
6.445	6.445	(0.882)	235	483016			33.37- 93.37	63.32
6.446	6.445	(0.882)	272	106800			0.00- 43.74	14.00
57 2,4,6-Trichlorophenol						CAS #: 88-06-2		
6.620	6.620	(0.906)	196	600490	60.0000	63.3	80.00- 120.00	100.00
6.621	6.620	(0.906)	198	554374			67.07- 127.07	92.32
6.620	6.620	(0.906)	200	189995			1.30- 61.30	31.64
58 2,4,5-Trichlorophenol						CAS #: 95-95-4		
6.571	6.570	(0.899)	196	551681	60.0000	62.9	80.00- 120.00	100.00
6.571	6.570	(0.899)	198	527893			69.46- 129.46	95.69

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
	58 2,4,5-Trichlorophenol (continued)							
6.570	6.570 (0.899)		97	338954			34.72- 94.72	61.44
$	59 2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.645	6.644 (0.910)		172	1810867	60.0000	61.4	80.00- 120.00	100.00
6.645	6.644 (0.910)		171	658826			5.03- 65.03	36.38
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.763	6.763 (0.926)		162	1377180	60.0000	61.7	80.00- 120.00	100.00
6.763	6.763 (0.926)		164	486073			4.20- 64.20	35.29
6.763	6.763 (0.926)		127	529353			7.85- 67.85	38.44
	63 2-Nitroaniline					CAS #: 88-74-4		
6.870	6.869 (0.940)		65	481810	60.0000	62.6	80.00- 120.00	100.00
6.870	6.869 (0.940)		92	290157			30.25- 90.25	60.22
6.871	6.869 (0.940)		138	395912			52.43- 112.43	82.17
	65 Dimethylphthalate					CAS #: 131-11-3		
7.042	7.040 (0.964)		163	1570280	60.0000	61.2	80.00- 120.00	100.00
7.042	7.040 (0.964)		194	91294			0.00- 35.55	5.81
7.041	7.040 (0.964)		164	173147			0.00- 40.55	11.03
	68 Acenaphthylene					CAS #: 208-96-8		
7.168	7.167 (0.981)		152	2039067	60.0000	61.7	80.00- 120.00	100.00
7.168	7.167 (0.981)		151	419302			0.00- 50.50	20.56
7.168	7.167 (0.981)		153	286125			0.00- 43.76	14.03
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.103	7.100 (0.972)		165	368556	60.0000	63.5	80.00- 120.00	100.00
7.102	7.100 (0.972)		89	279407			49.02- 109.02	75.81
7.101	7.100 (0.972)		63	274717			44.86- 104.86	74.54
	69 3-Nitroaniline					CAS #: 99-09-2		
7.274	7.271 (0.996)		138	312659	60.0000	60.7	80.00- 120.00	100.00
7.274	7.271 (0.996)		108	33749			0.00- 41.32	10.79
7.273	7.271 (0.995)		92	397041			100.05- 160.05	126.99
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.306	7.305 (1.000)		164	761863	40.0000		80.00- 120.00	100.00
7.306	7.305 (1.000)		162	736093			64.73- 124.73	96.62
7.306	7.305 (1.000)		160	340146			12.46- 72.46	44.65
	71 Acenaphthene					CAS #: 83-32-9		
7.339	7.338 (1.005)		154	1250803	60.0000	62.4	80.00- 120.00	100.00
7.339	7.338 (1.005)		153	1358999			78.46- 138.46	108.65
7.339	7.338 (1.005)		152	666080			23.44- 83.44	53.25
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.371	7.369 (1.009)		184	239792	60.0000	60.4	80.00- 120.00	100.00
7.370	7.369 (1.009)		63	177342			48.07- 108.07	73.96
7.371	7.369 (1.009)		154	156626			39.61- 99.61	65.32
	74 4-Nitrophenol					CAS #: 100-02-7		
7.477	7.476 (1.023)		109	353421	60.0000	63.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.477	7.476	(1.023)	139	208221			26.63- 86.63	58.92
7.477	7.476	(1.023)	65	393597			81.59- 141.59	111.37
	75 Dibenzofuran					CAS #: 132-64-9		
7.507	7.506	(1.027)	168	1992121	60.0000	61.1	80.00- 120.00	100.00
7.507	7.506	(1.027)	139	871350			12.75- 72.75	43.74
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.496	7.494	(1.026)	165	509754	60.0000	62.7	80.00- 120.00	100.00
7.496	7.494	(1.026)	63	528800			82.10- 142.10	103.74
7.496	7.494	(1.026)	89	508440			72.08- 132.08	99.74
	80 Diethylphthalate					CAS #: 84-66-2		
7.731	7.729	(1.058)	149	1446823	60.0000	61.1	80.00- 120.00	100.00
7.731	7.729	(1.058)	177	342190			0.00- 53.36	23.65
7.731	7.729	(1.058)	150	187889			0.00- 42.43	12.99
	81 Fluorene					CAS #: 86-73-7		
7.842	7.841	(1.073)	166	1797825	60.0000	63.7	80.00- 120.00	100.00
7.842	7.841	(1.073)	165	1702186			65.55- 125.55	94.68
7.842	7.841	(1.073)	167	263318			0.00- 44.15	14.65
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.839	7.838	(1.073)	204	1090308	60.0000	64.4	80.00- 120.00	100.00
7.839	7.838	(1.073)	206	379477			4.27- 64.27	34.80
7.838	7.838	(1.073)	141	593347			24.97- 84.97	54.42
	84 4-Nitroaniline					CAS #: 100-01-6		
7.878	7.874	(1.078)	138	271442	60.0000	60.9	80.00- 120.00	100.00
7.878	7.874	(1.078)	92	171673			38.02- 98.02	63.24
7.878	7.874	(1.078)	108	407340			124.92- 184.92	150.07
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.899	7.896	(0.902)	198	358134	60.0000	58.7	80.00- 120.00	100.00
7.897	7.896	(0.901)	51	132448			6.77- 66.77	36.98
7.898	7.896	(0.901)	105	137711			8.50- 68.50	38.45
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.959	7.956	(0.908)	169	1033795	60.0000	60.0	80.00- 120.00	100.00
7.959	7.956	(0.908)	168	687263			36.61- 96.61	66.48
7.959	7.956	(0.908)	167	368778			4.62- 64.62	35.67
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.996	7.992	(1.094)	77	1652860	60.0000	60.6	80.00- 120.00	100.00
7.996	7.992	(1.094)	105	227640			0.00- 43.34	13.77
7.997	7.992	(1.095)	182	441516			0.00- 56.11	26.71
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.085	8.083	(1.107)	330	667712	120.000	125	80.00- 120.00	100.00
8.085	8.083	(1.107)	332	655227			66.43- 126.43	98.13
8.083	8.083	(1.106)	141	264997			9.24- 69.24	39.69

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.318	8.318	(0.949)	248	611944	60.0000	61.2	80.00- 120.00	100.00
8.319	8.318	(0.949)	250	593952			67.36- 127.36	97.06
8.318	8.318	(0.949)	141	398157			35.77- 95.77	65.06
94 Hexachlorobenzene							CAS #: 118-74-1	
8.387	8.387	(0.957)	284	714181	60.0000	62.1	80.00- 120.00	100.00
8.386	8.387	(0.957)	142	234112			2.39- 62.39	32.78
8.387	8.387	(0.957)	249	218809			0.06- 60.06	30.64
96 Pentachlorophenol							CAS #: 87-86-5	
8.585	8.585	(0.980)	266	430368	60.0000	63.7	80.00- 120.00	100.00
8.585	8.585	(0.980)	264	268654			33.70- 93.70	62.42
8.585	8.585	(0.980)	268	275043			35.26- 95.26	63.91
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.762	8.761	(1.000)	188	1368300	40.0000		80.00- 120.00	100.00
8.761	8.761	(1.000)	94	86008			0.00- 36.35	6.29
8.761	8.761	(1.000)	80	107716			0.00- 37.82	7.87
101 Phenanthrene							CAS #: 85-01-8	
8.786	8.785	(1.003)	178	2130280	60.0000	60.4	80.00- 120.00	100.00
8.786	8.785	(1.003)	179	363361			0.00- 46.33	17.06
8.786	8.785	(1.003)	176	445930			0.00- 50.11	20.93
103 Anthracene							CAS #: 120-12-7	
8.835	8.835	(1.008)	178	2169248	60.0000	61.8	80.00- 120.00	100.00
8.836	8.835	(1.008)	179	353608			0.00- 45.97	16.30
8.835	8.835	(1.008)	176	444005			0.00- 49.80	20.47
104 Carbazole							CAS #: 86-74-8	
8.997	8.996	(1.027)	167	1740278	60.0000	59.5	80.00- 120.00	100.00
8.997	8.996	(1.027)	139	246316			0.00- 43.89	14.15
8.996	8.996	(1.027)	83	113376			0.00- 36.17	6.51
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.327	9.327	(1.065)	149	2283587	60.0000	61.8	80.00- 120.00	100.00
9.327	9.327	(1.065)	150	236012			0.00- 40.04	10.34
9.327	9.327	(1.064)	104	184659			0.00- 37.79	8.09
109 Fluoranthene							CAS #: 206-44-0	
9.953	9.953	(1.136)	202	2409656	60.0000	59.6	80.00- 120.00	100.00
9.952	9.953	(1.136)	101	179008			0.00- 36.69	7.43
9.953	9.953	(1.136)	203	470138			0.00- 48.82	19.51
111 Pyrene							CAS #: 129-00-0	
10.177	10.176	(0.896)	202	2630155	60.0000	55.7	80.00- 120.00	100.00
10.177	10.176	(0.896)	200	595942			0.00- 51.88	22.66
10.177	10.176	(0.896)	203	522824			0.00- 49.33	19.88
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.323	10.322	(0.909)	244	2458800	60.0000	54.8	80.00- 120.00	100.00
10.322	10.322	(0.909)	122	179071			0.00- 36.72	7.28

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.323	10.322	(0.909)	212	201451			0.00- 38.06	8.19
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.799	10.798	(0.951)	149	1223119	60.0000	59.8	80.00- 120.00	100.00
10.798	10.798	(0.951)	91	986955			51.57- 111.57	80.69
10.800	10.798	(0.951)	206	322125			0.00- 55.14	26.34
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.349	11.348	(0.999)	228	3574118	60.0000	59.9	80.00- 120.00	100.00
11.350	11.348	(0.999)	229	831502			0.00- 51.57	23.26
11.350	11.348	(0.999)	226	1101327			0.00- 58.54	30.81
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.359	11.359	(1.000)	240	2377415	40.0000		80.00- 120.00	100.00
11.358	11.359	(1.000)	120	155616			0.00- 36.38	6.55
11.359	11.359	(1.000)	236	647117			0.00- 57.06	27.22
123 Chrysene						CAS #: 218-01-9		
11.386	11.384	(1.002)	228	2949500	60.0000	56.4	80.00- 120.00	100.00
11.386	11.384	(1.002)	226	976770			1.12- 61.12	33.12
11.386	11.384	(1.002)	229	682086			0.00- 51.74	23.13
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.351	11.350	(0.999)	149	2214972	60.0000	62.6	80.00- 120.00	100.00
11.352	11.350	(0.999)	167	756934			2.07- 62.07	34.17
11.353	11.350	(0.999)	279	228714			0.00- 39.24	10.33
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.950	11.948	(0.942)	149	2765315	60.0000	63.8	80.00- 120.00	100.00
11.951	11.948	(0.942)	167	52450			0.00- 31.74	1.90
11.950	11.948	(0.942)	43	242708			0.00- 38.21	8.78
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.338	12.333	(0.973)	252	3233854	60.0000	60.5	80.00- 120.00	100.00
12.338	12.333	(0.973)	253	792846			0.00- 54.02	24.52
12.337	12.333	(0.972)	125	175525			0.00- 34.93	5.43
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.364	12.359	(0.975)	252	3285171	60.0000	61.1	80.00- 120.00	100.00
12.364	12.359	(0.975)	253	847383			0.00- 53.57	25.79
12.363	12.359	(0.975)	125	205409			0.00- 35.26	6.25
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.635	12.630	(0.996)	252	3207565	60.0000	61.4	80.00- 120.00	100.00
12.635	12.630	(0.996)	253	786381			0.00- 54.04	24.52
12.634	12.630	(0.996)	125	190797			0.00- 35.52	5.95
* 130 Perylene-d12						CAS #: 1520-96-3		
12.686	12.682	(1.000)	264	2012276	40.0000		80.00- 120.00	100.00
12.686	12.682	(1.000)	260	509892			0.00- 54.80	25.34
12.686	12.682	(1.000)	265	470912			0.00- 53.39	23.40

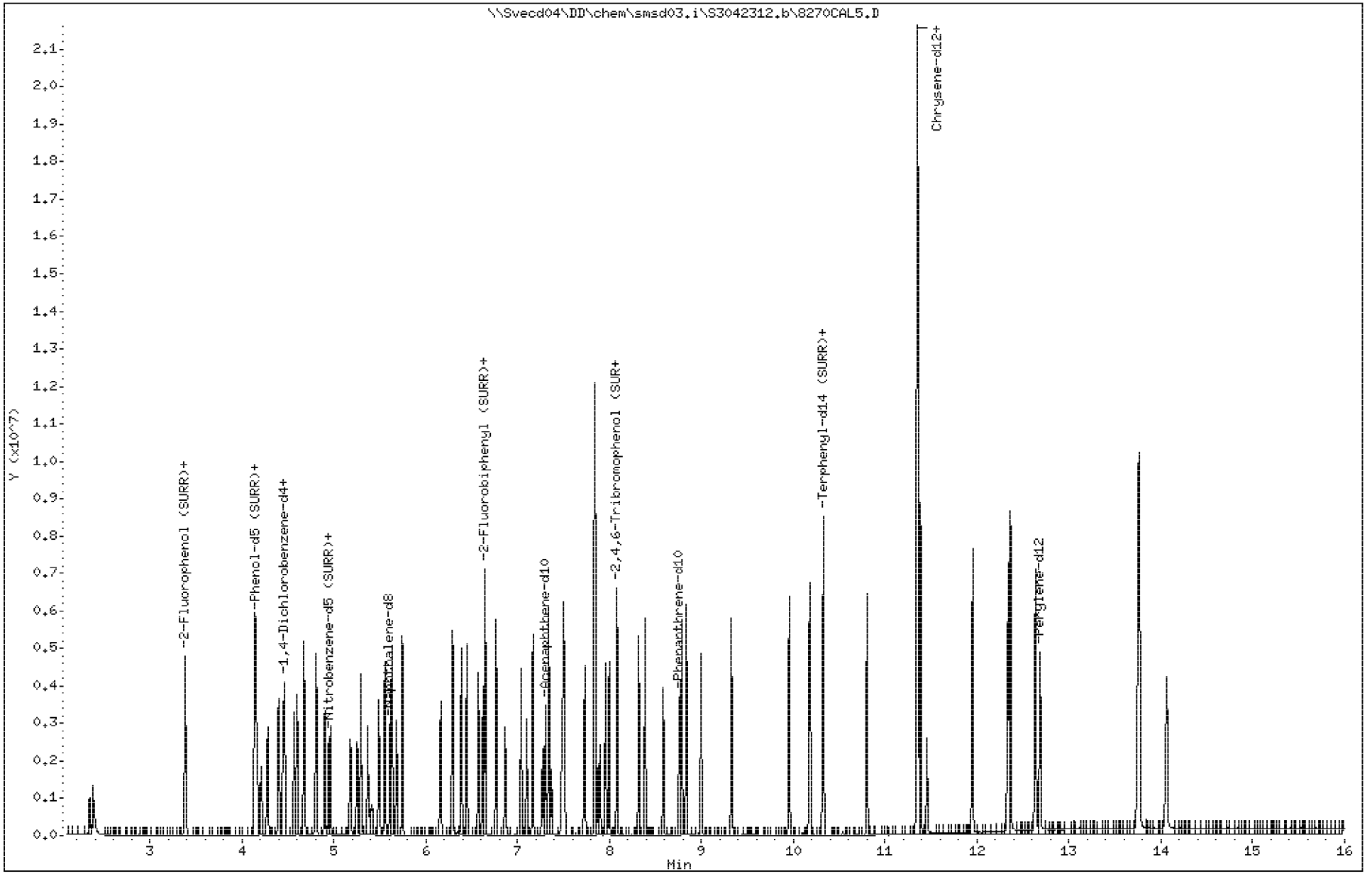
				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.756	13.749	(1.084)	276	3944027	60.0000	60.6	80.00- 120.00	100.00
13.758	13.749	(1.084)	138	524068			0.00- 42.48	13.29
13.757	13.749	(1.084)	277	1090122			0.00- 56.82	27.64
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.763	13.755	(1.085)	278	3522818	60.0000	62.0	80.00- 120.00	100.00
13.761	13.755	(1.085)	139	296606			0.00- 37.70	8.42
13.762	13.755	(1.085)	279	900081			0.00- 54.57	25.55
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.063	14.053	(1.109)	276	2908509	60.0000	58.5	80.00- 120.00	100.00
14.061	14.053	(1.108)	138	307762			0.00- 40.01	10.58
14.063	14.053	(1.109)	277	729389			0.00- 54.80	25.08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D
Date : 23-APR-2012 11:10
Client ID: 8270CAL5
Instrument: smsd03.i
Sample Info: 45923
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1060



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Date : 23-APR-2012 11:10

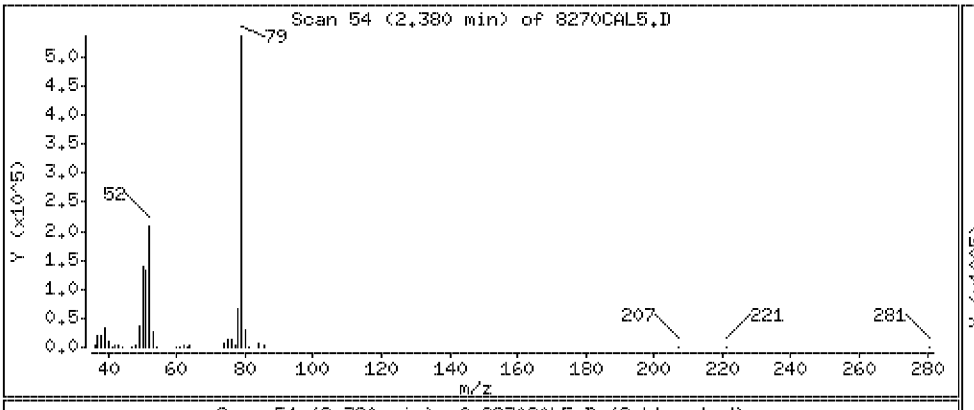
Client ID: 8270CAL5 Instrument: smsd03.i

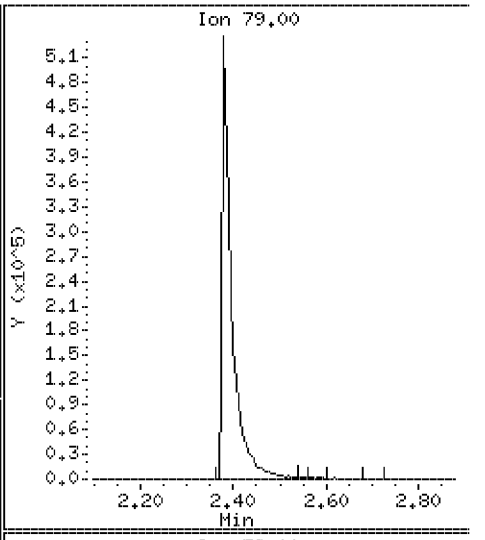
Sample Info: 45923

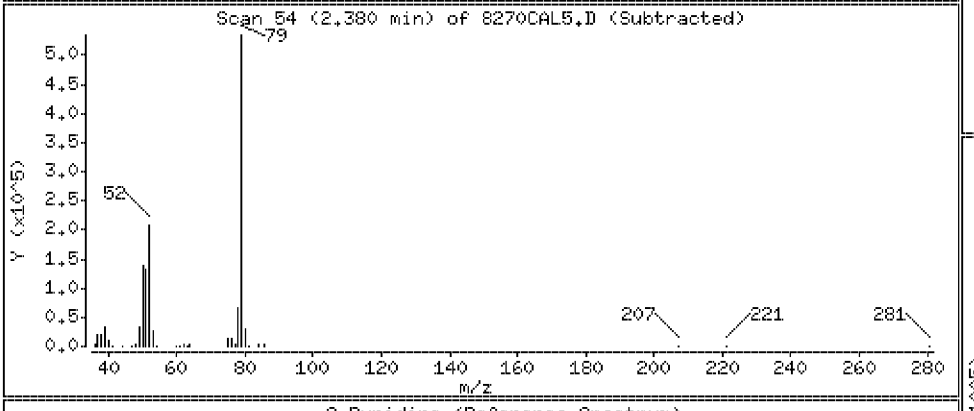
Purge Volume: 1000.0 Operator: PEL

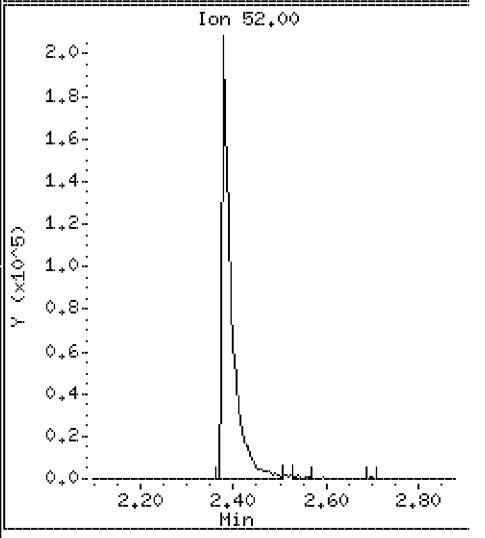
Column phase: HPMS-5 Column diameter: 0.25

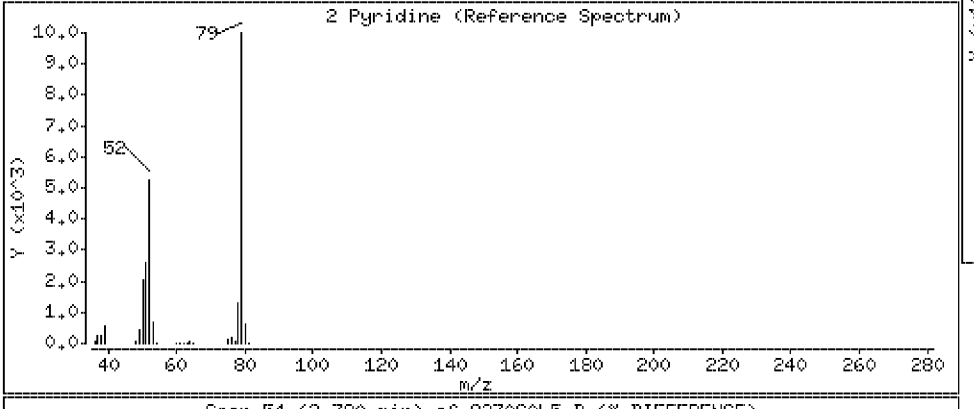
2 Pyridine Concentration: 61.0 ug/l

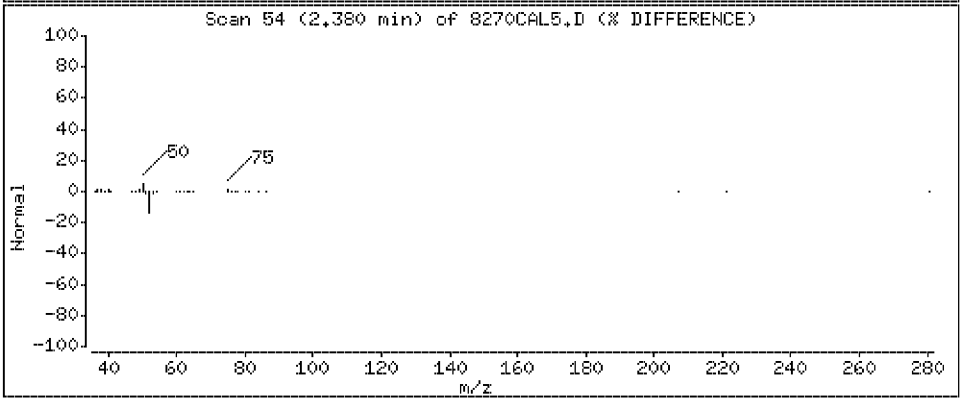












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

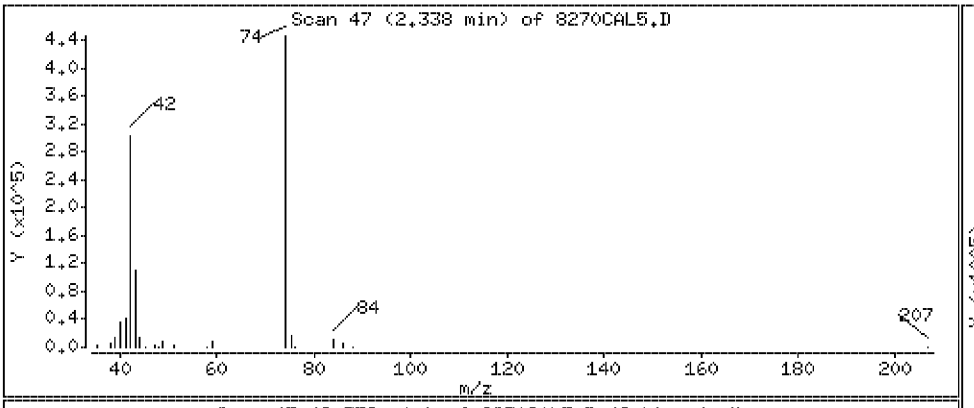
Operator: PEL

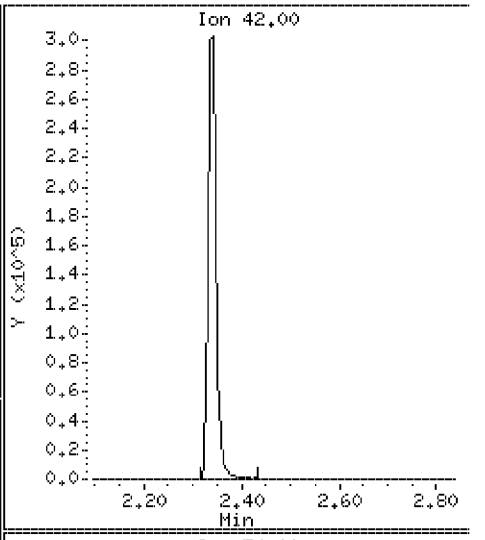
Column phase: HPMS-5

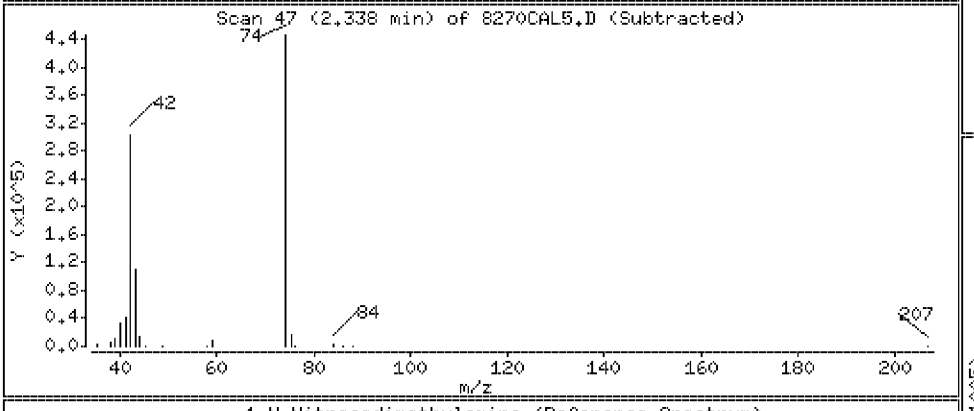
Column diameter: 0.25

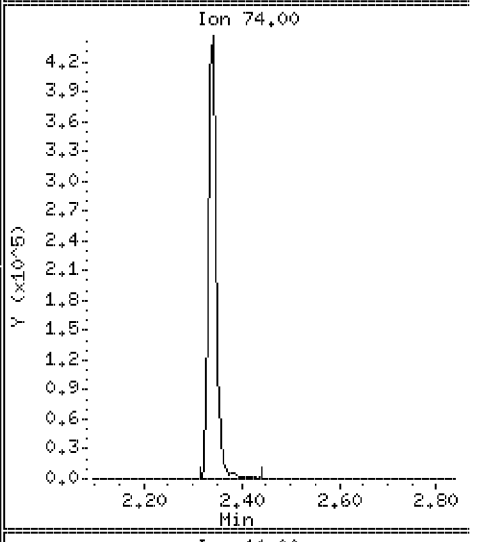
1 N-Nitrosodimethylamine

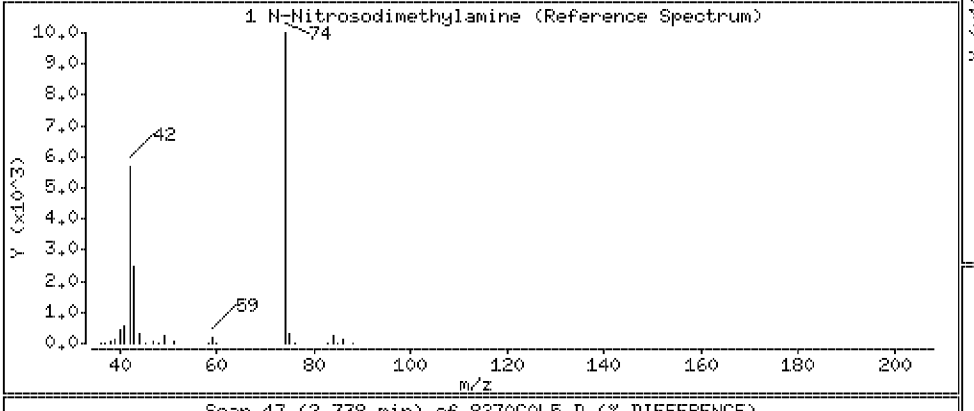
Concentration: 59.7 ug/l

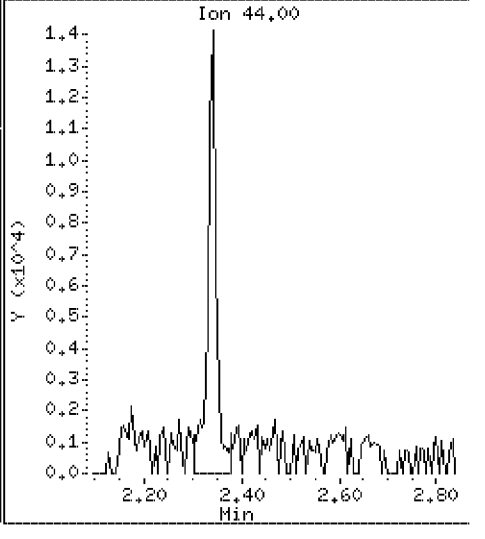


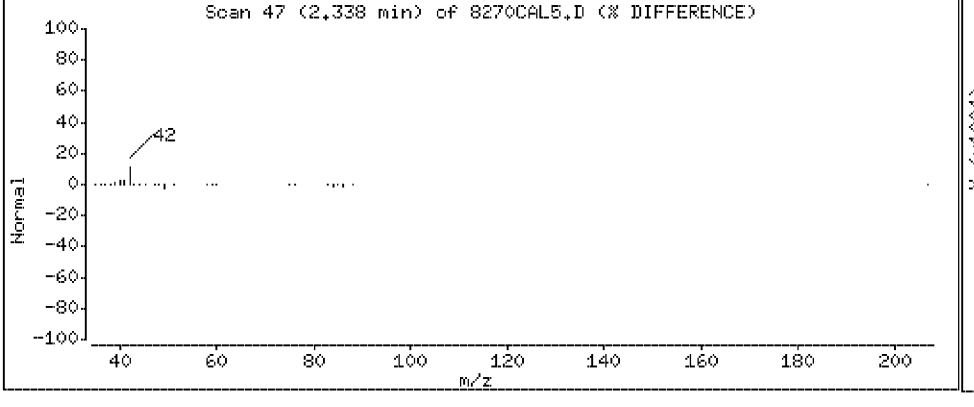












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

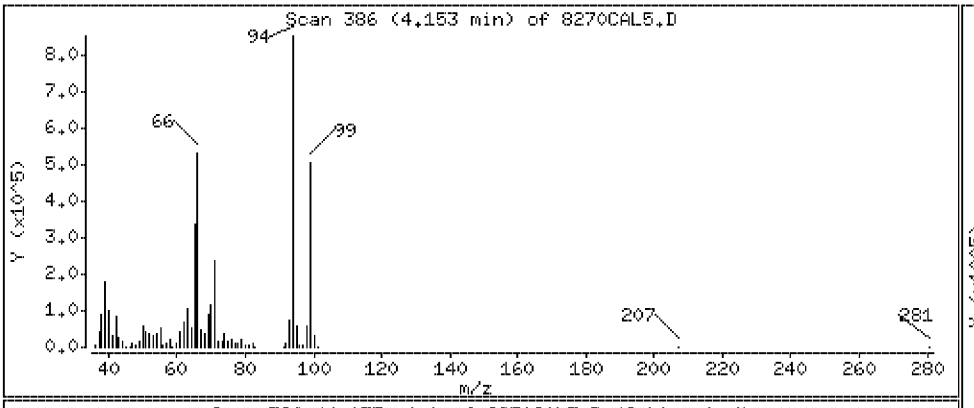
Operator: PEL

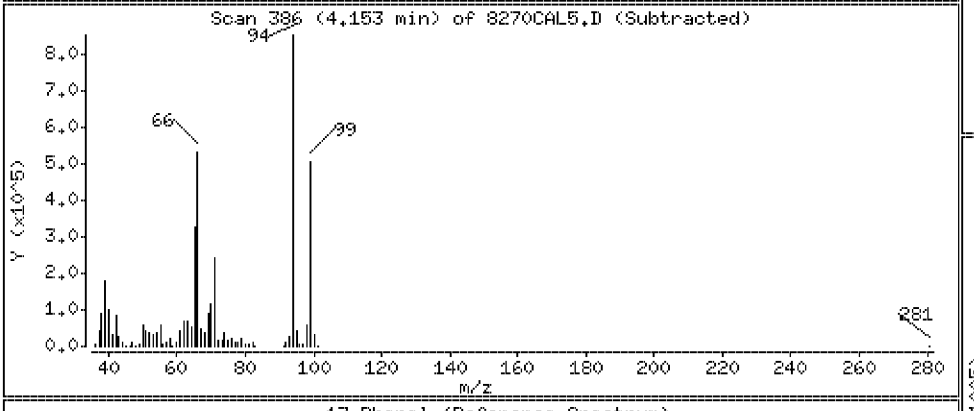
Column phase: HPMS-5

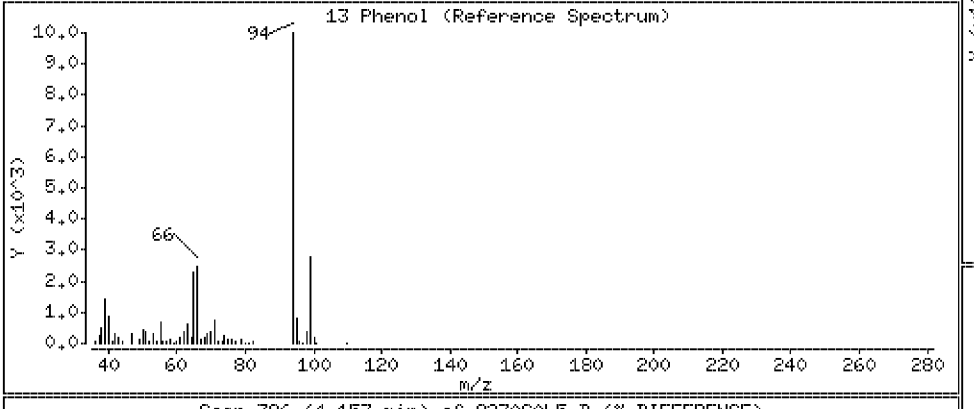
Column diameter: 0.25

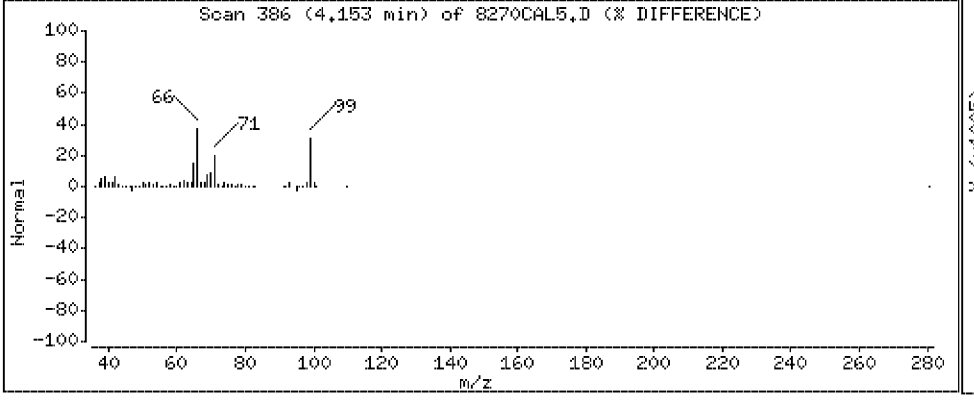
13 Phenol

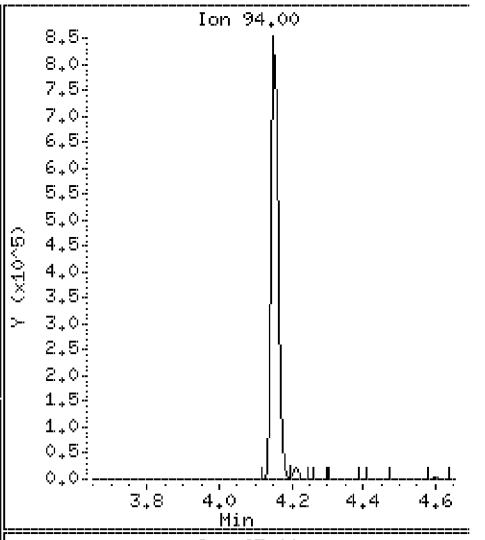
Concentration: 62.4 ug/l

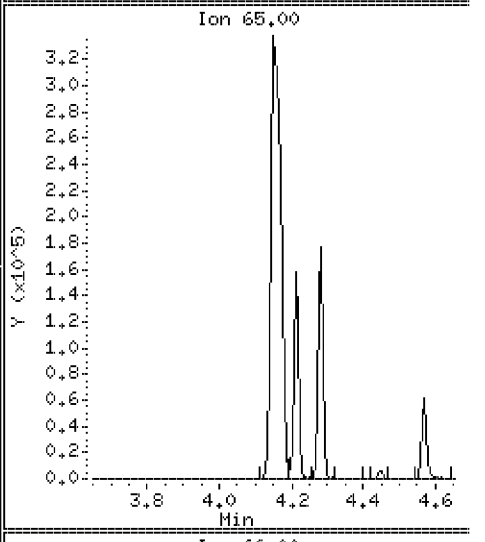


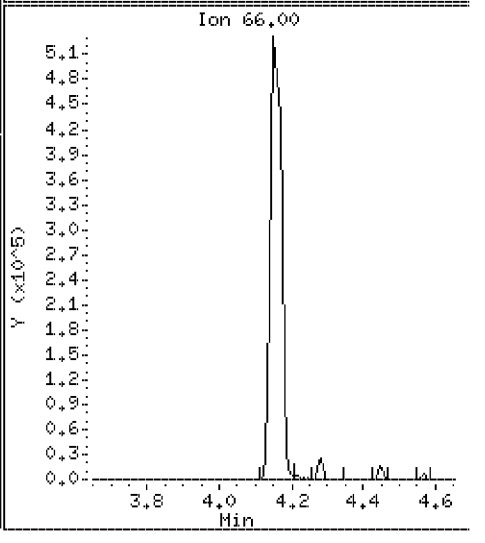












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

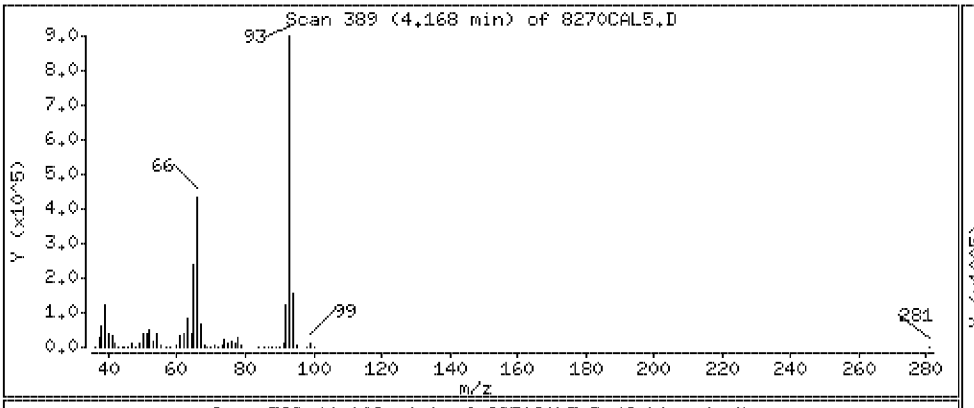
Operator: PEL

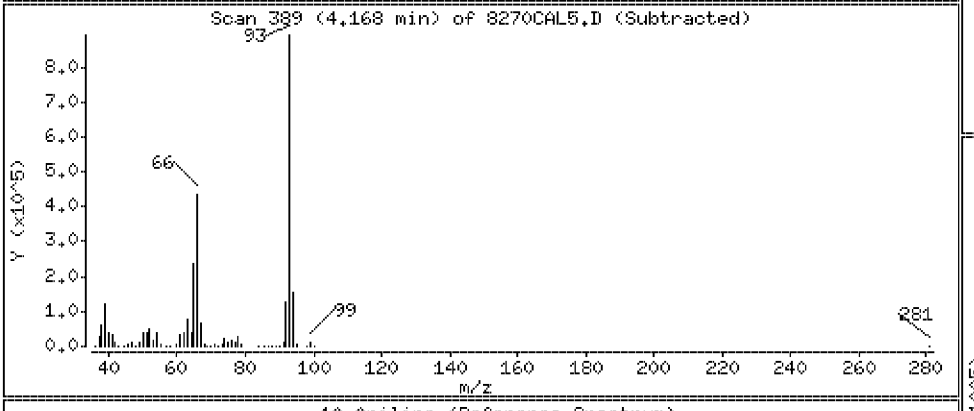
Column phase: HPMS-5

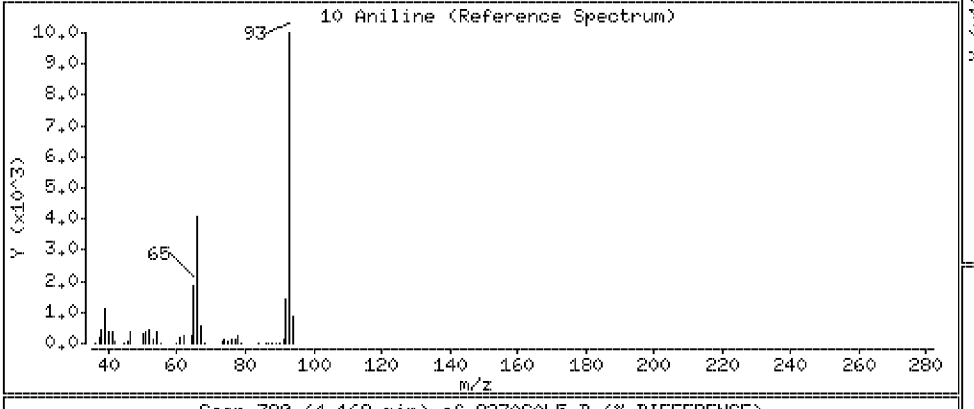
Column diameter: 0.25

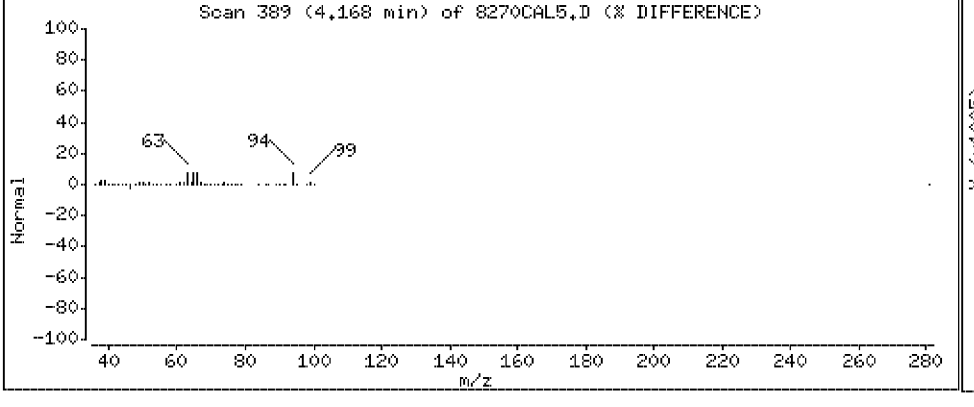
10 Aniline

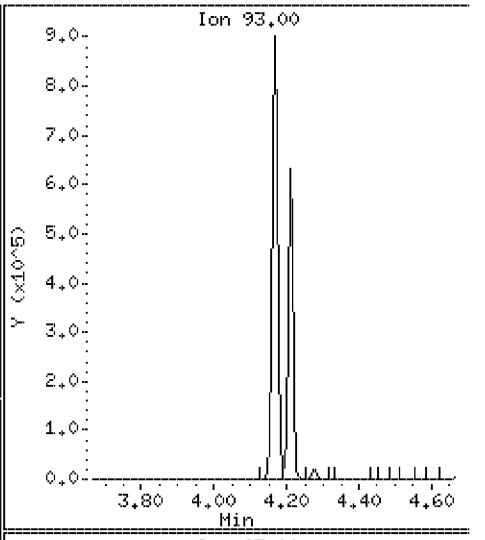
Concentration: 60.8 ug/l

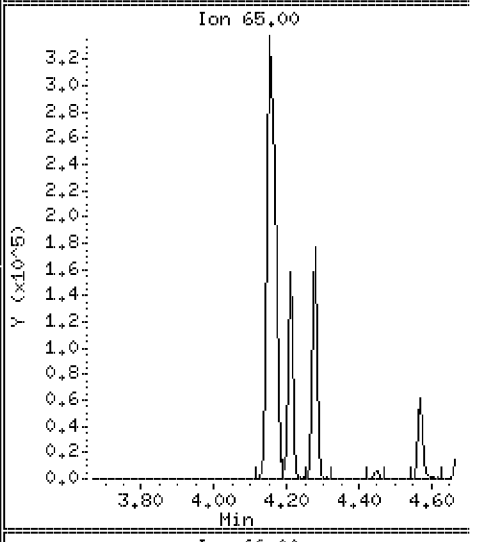


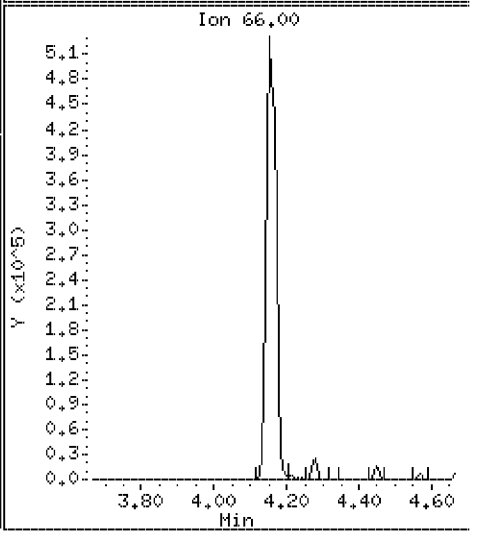












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

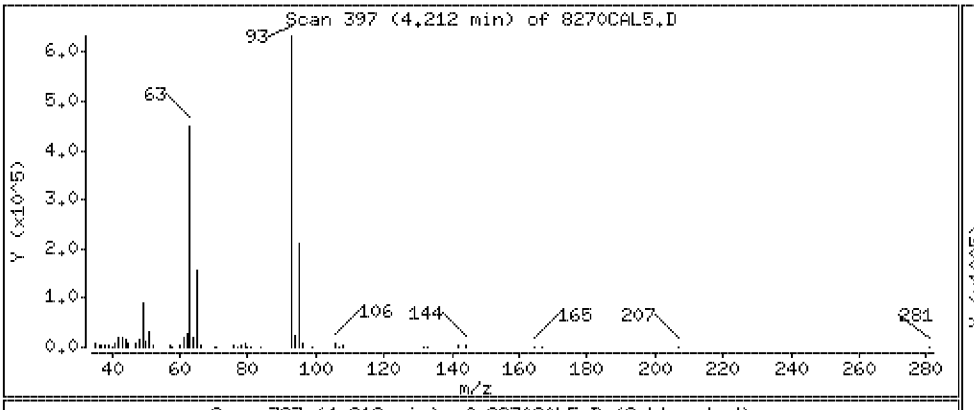
Operator: PEL

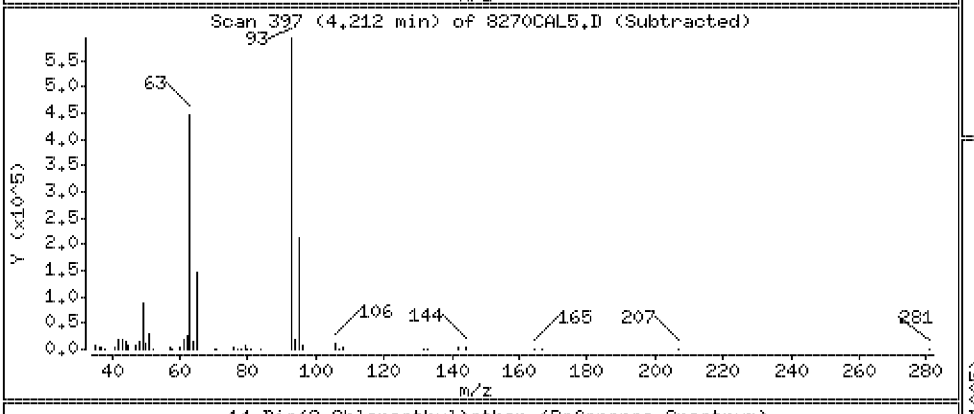
Column phase: HPMS-5

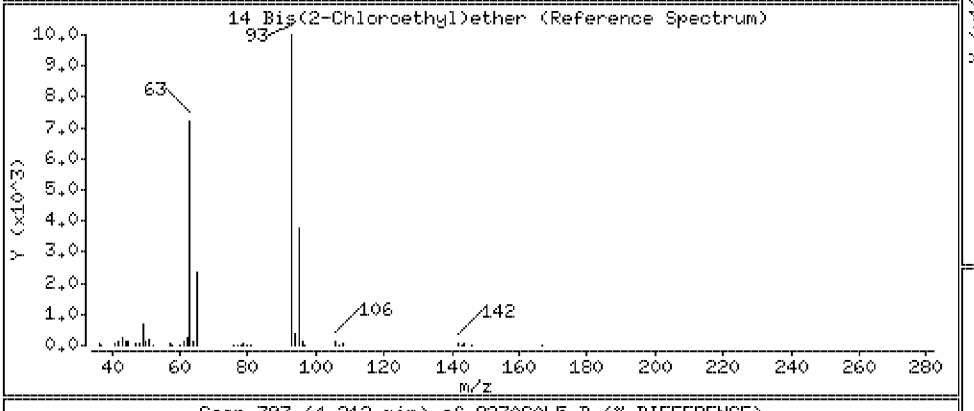
Column diameter: 0.25

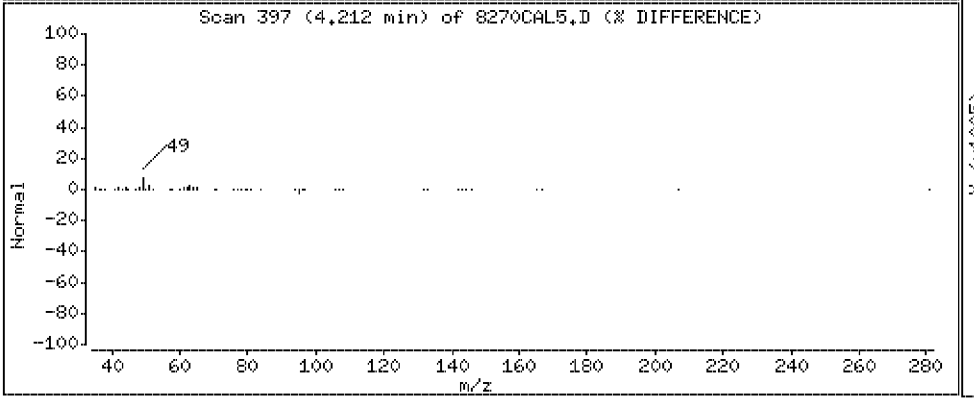
14 Bis(2-Chloroethyl)ether

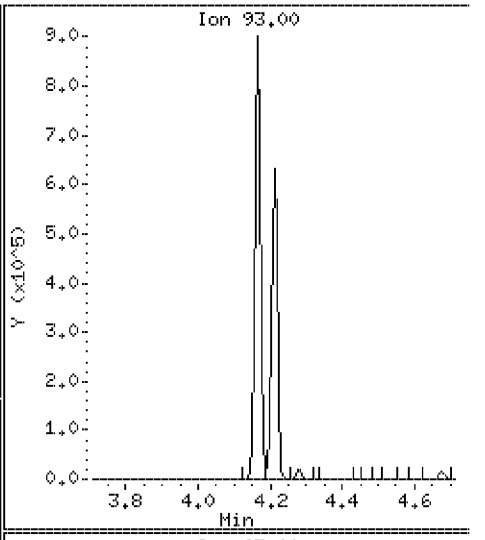
Concentration: 61.0 ug/l

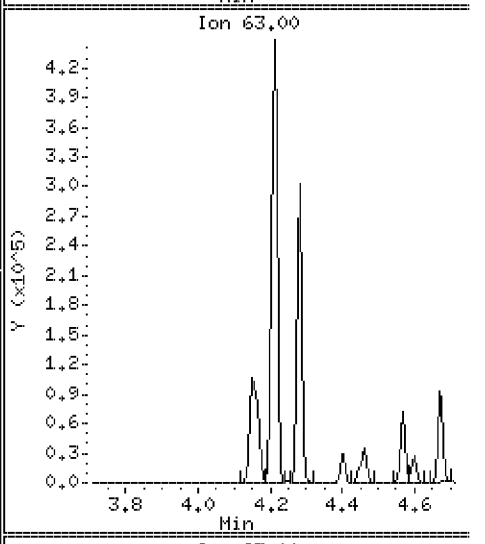


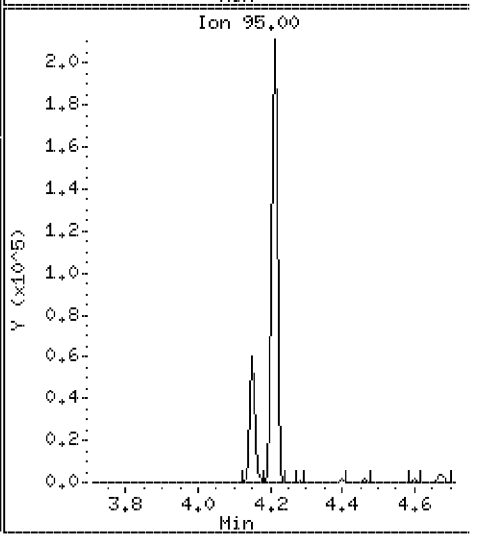












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

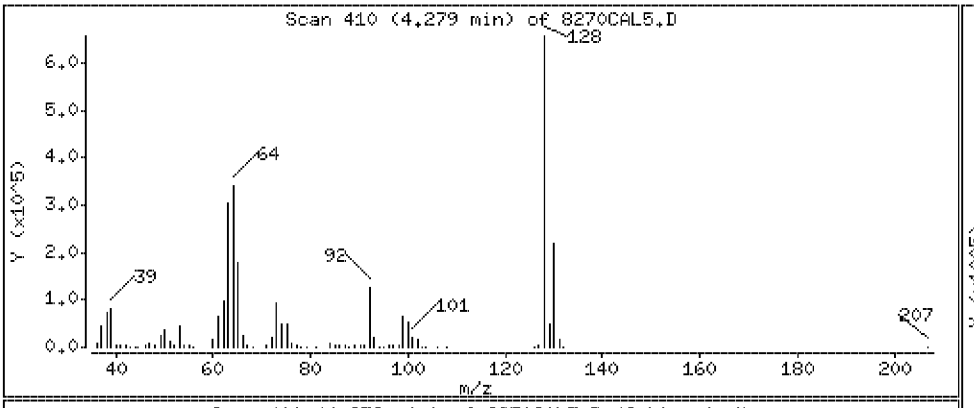
Operator: PEL

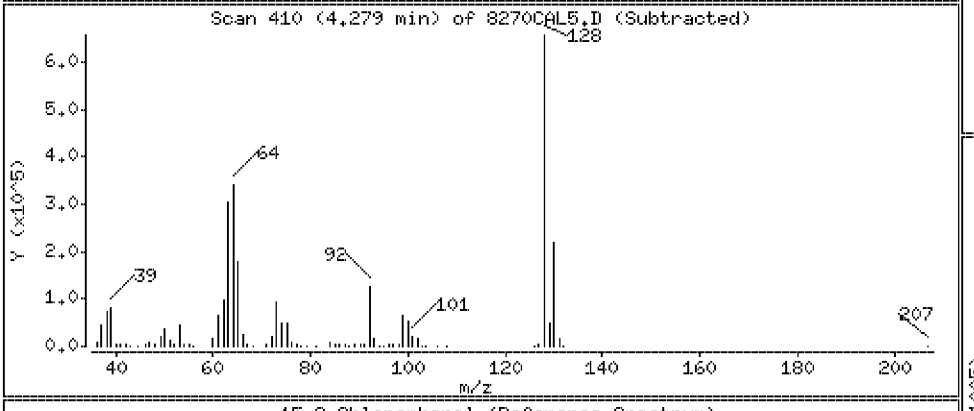
Column phase: HPMS-5

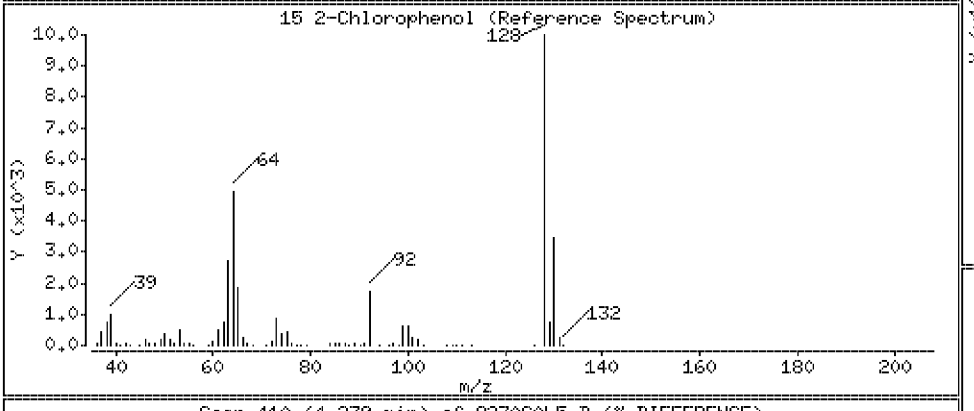
Column diameter: 0.25

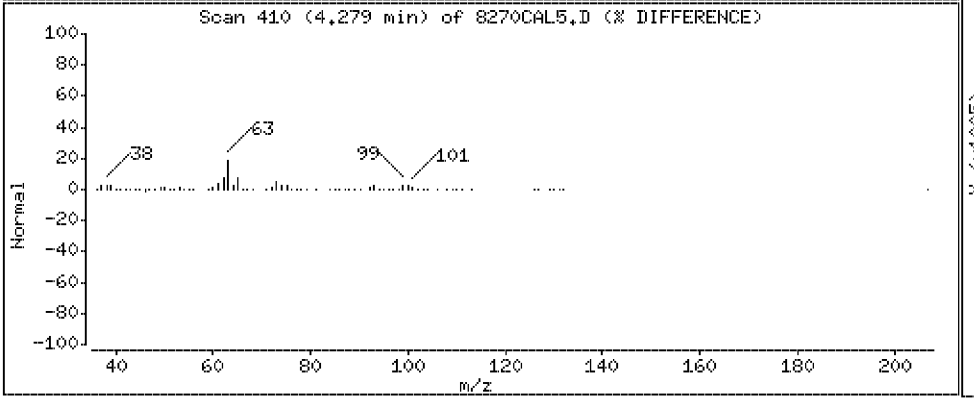
15 2-Chlorophenol

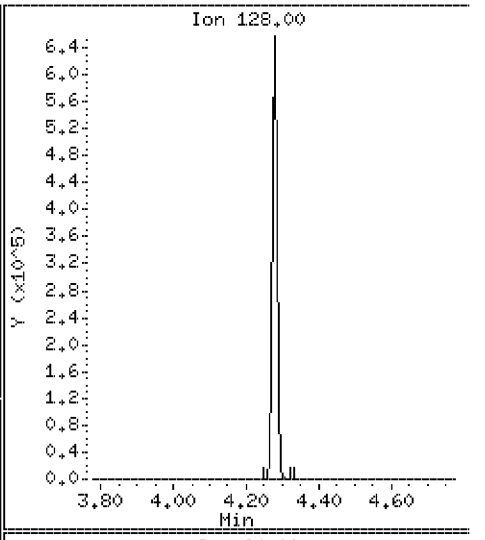
Concentration: 61.8 ug/l

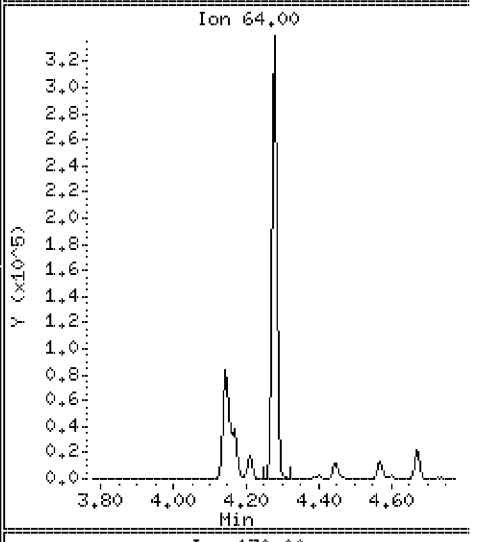


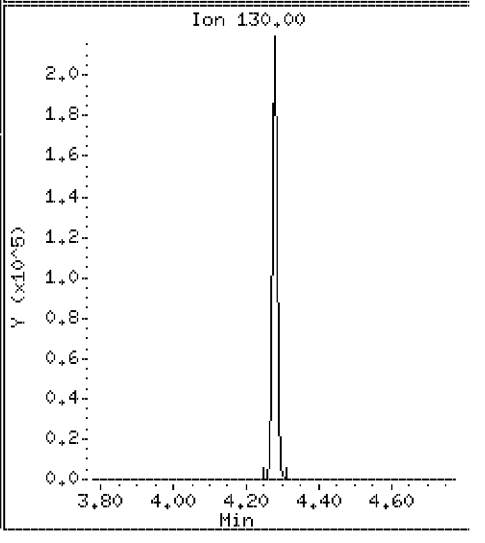












Date : 23-APR-2012 11:10

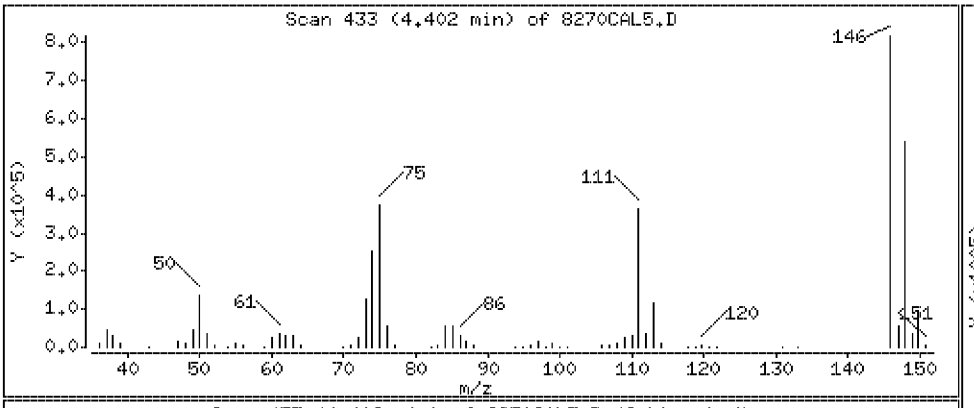
Client ID: 8270CAL5 Instrument: smsd03.i

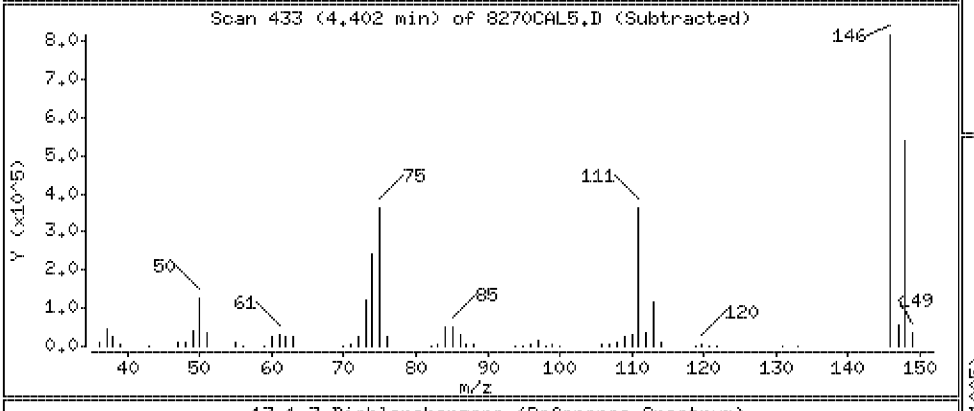
Sample Info: 45923

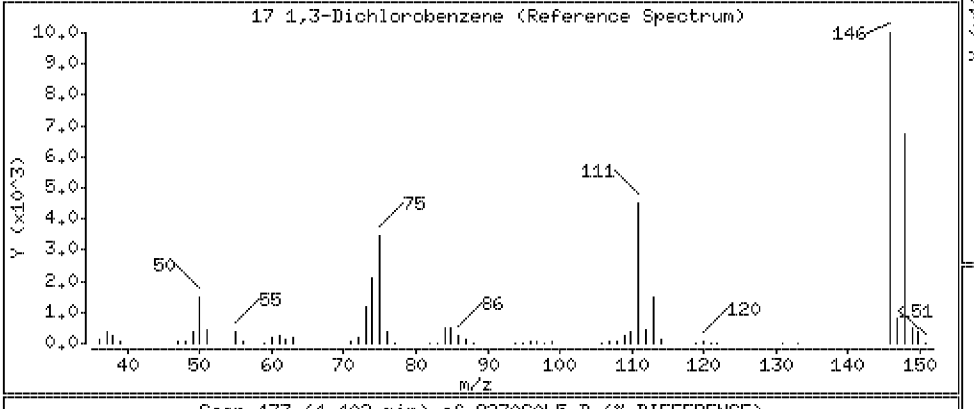
Purge Volume: 1000.0 Operator: PEL

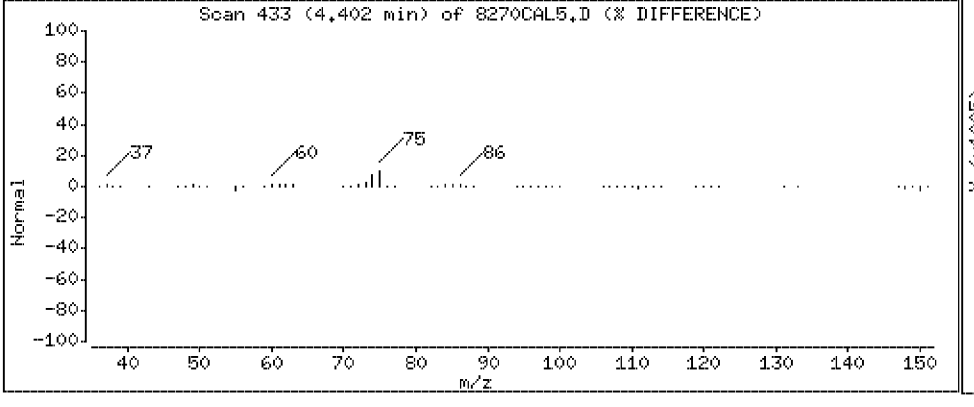
Column phase: HPMS-5 Column diameter: 0.25

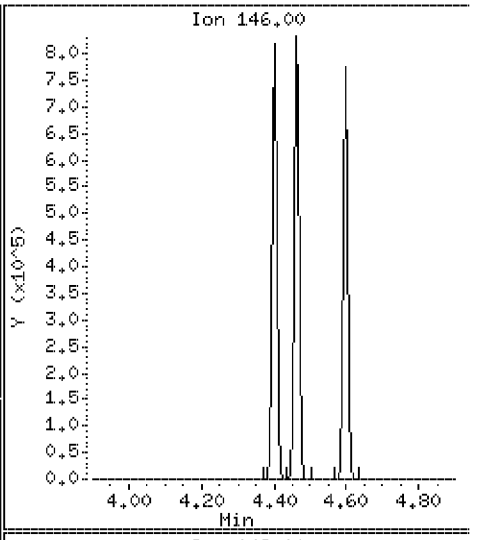
17 1,3-Dichlorobenzene Concentration: 62.2 ug/l

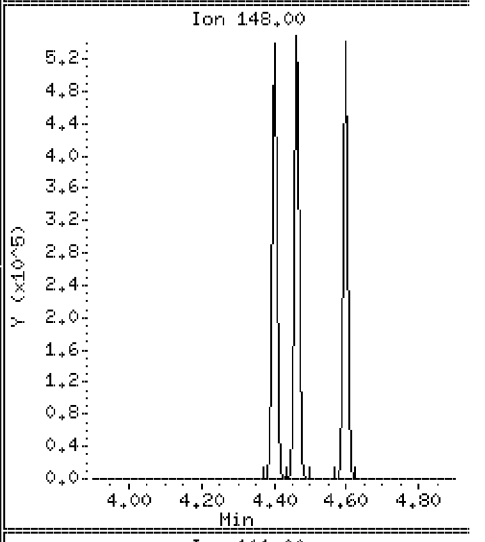


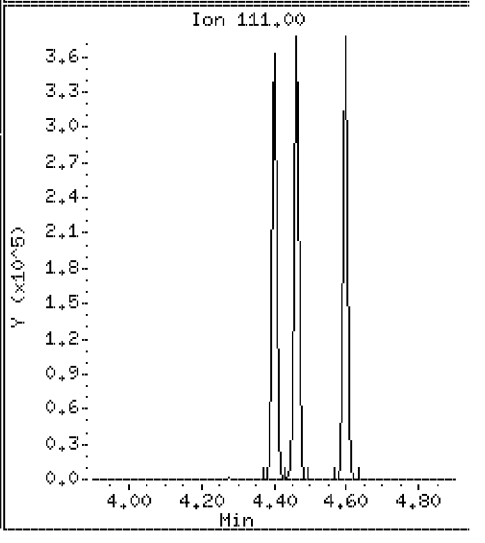












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

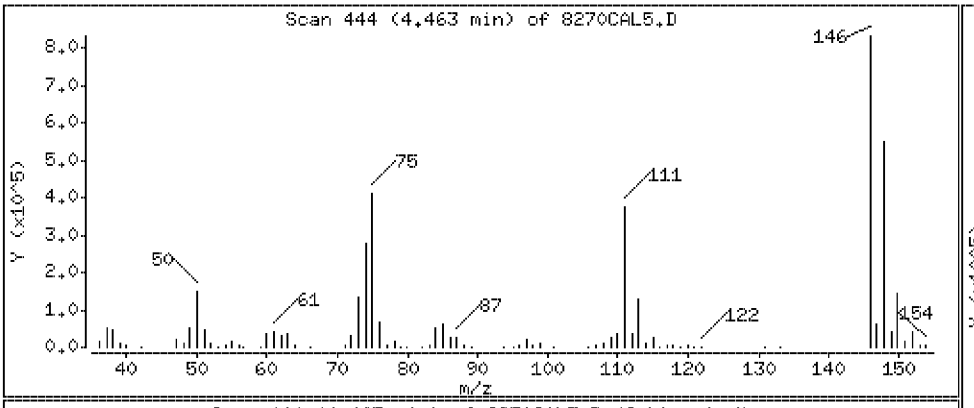
Operator: PEL

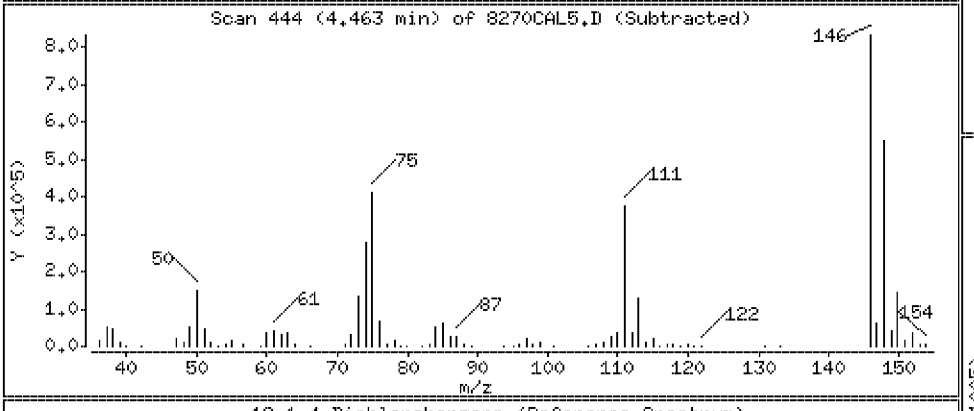
Column phase: HPMS-5

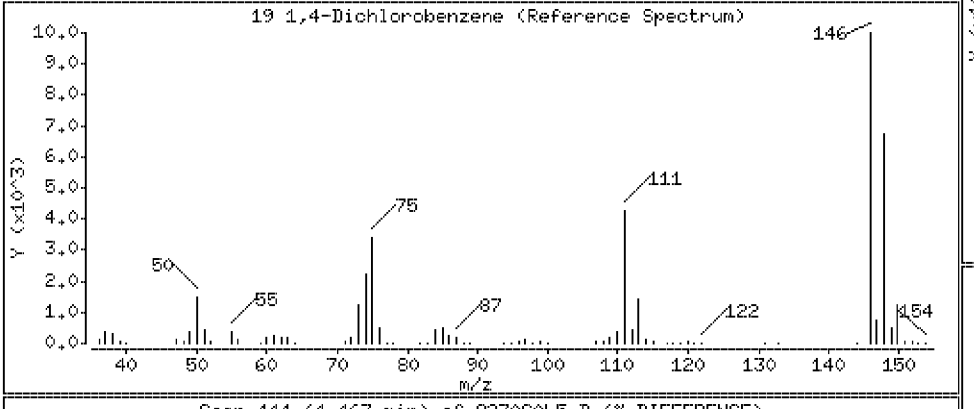
Column diameter: 0.25

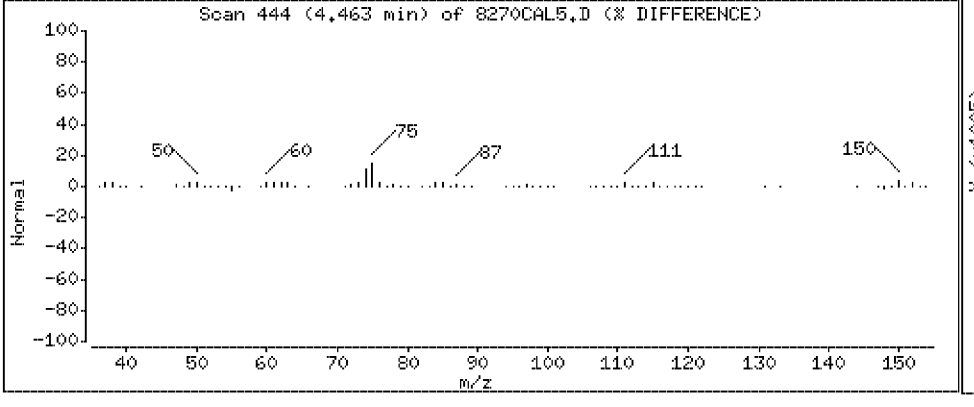
19 1,4-Dichlorobenzene

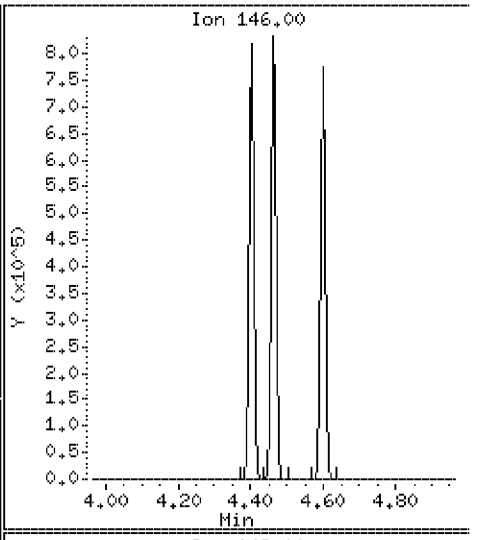
Concentration: 61.1 ug/l

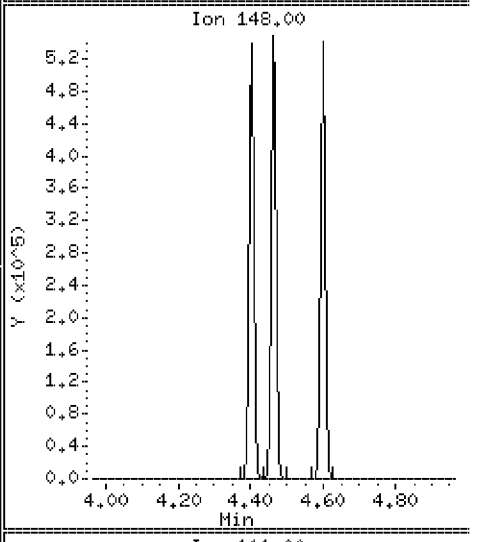


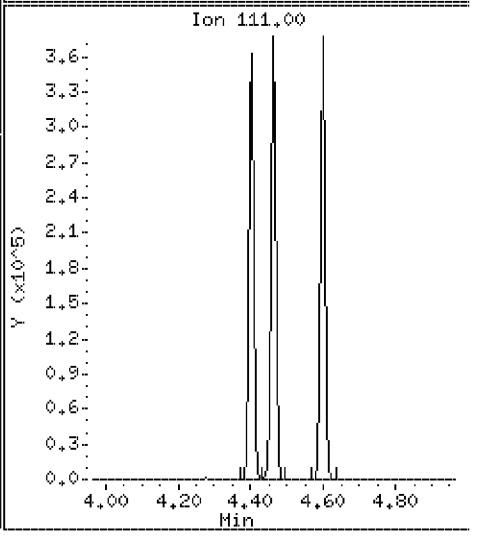












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

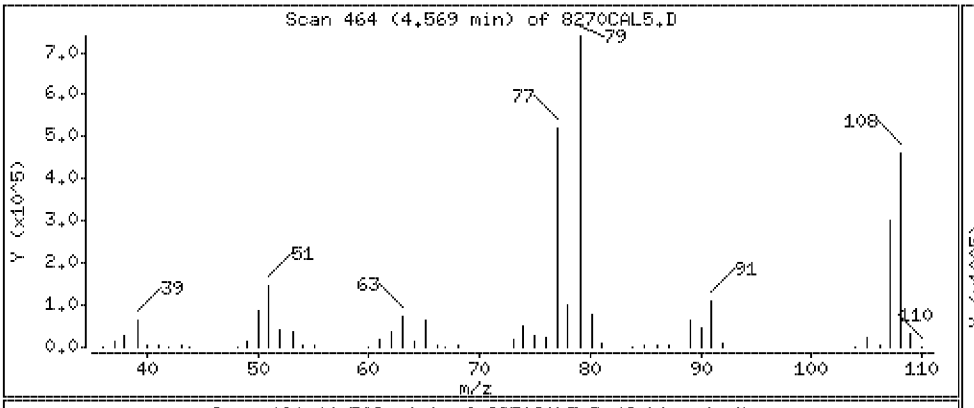
Operator: PEL

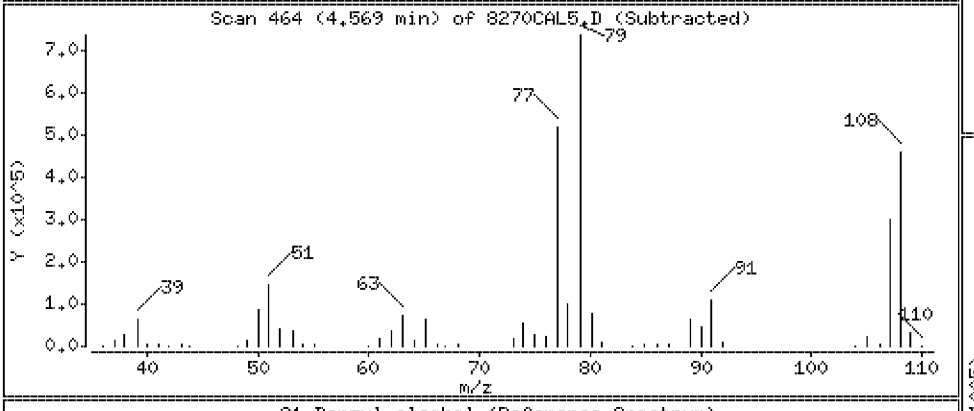
Column phase: HPMS-5

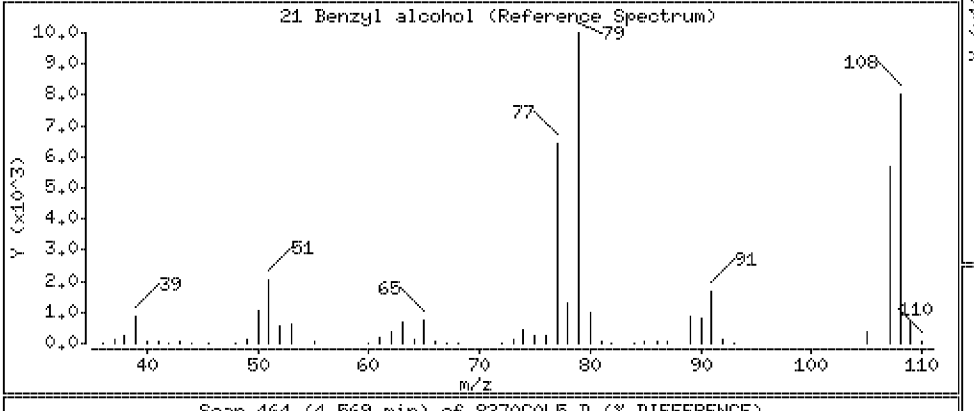
Column diameter: 0.25

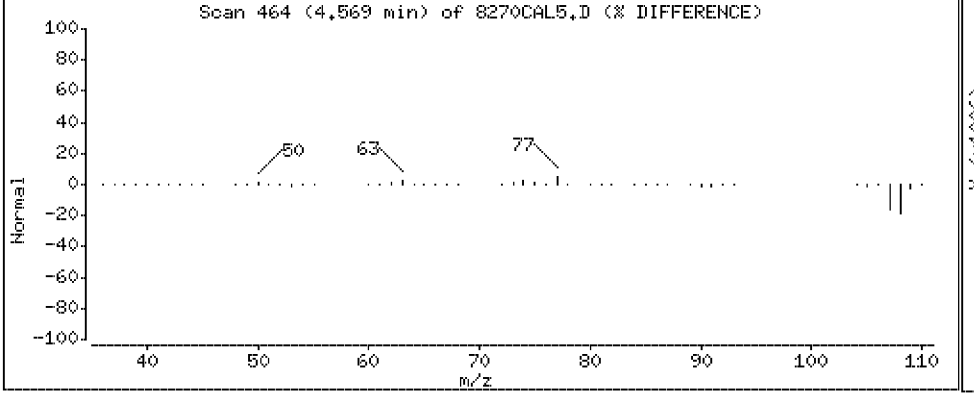
21 Benzyl alcohol

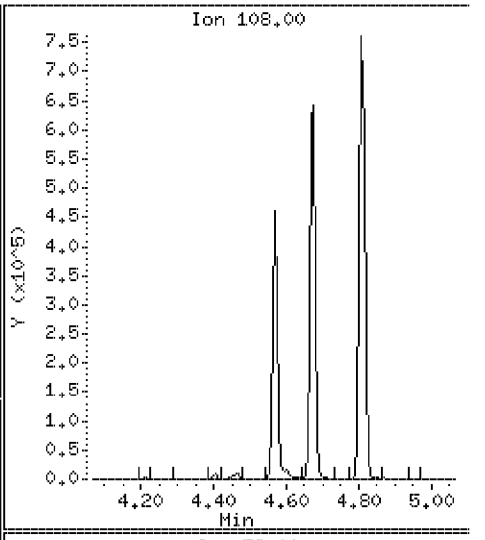
Concentration: 64.2 ug/l

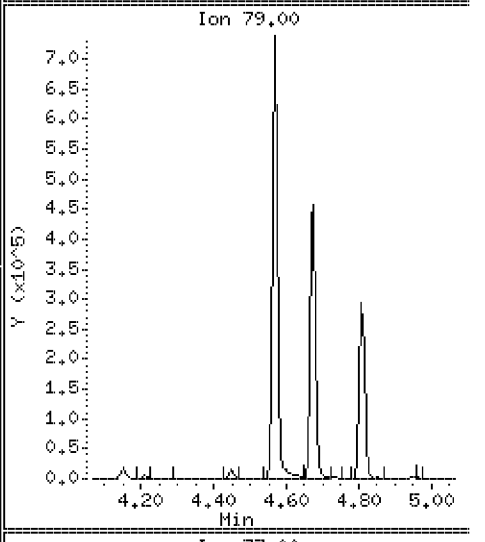


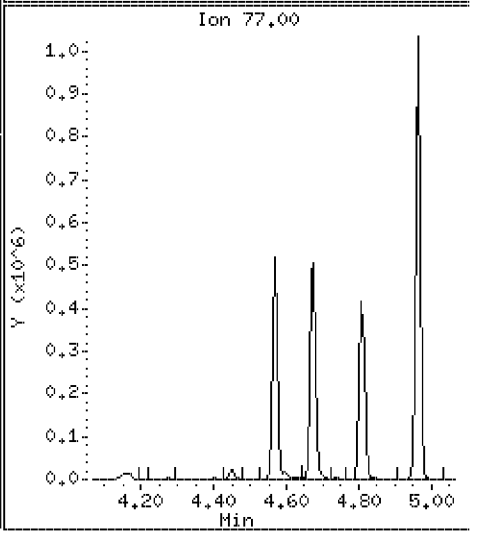












Date : 23-APR-2012 11:10

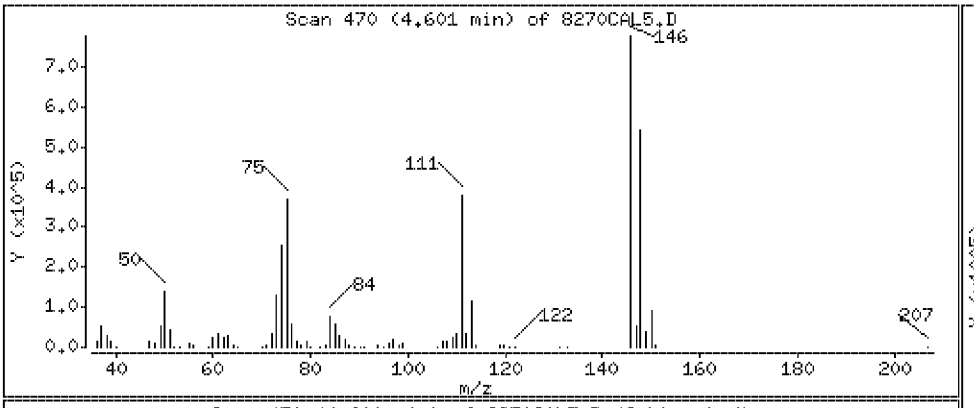
Client ID: 8270CAL5 Instrument: smsd03.i

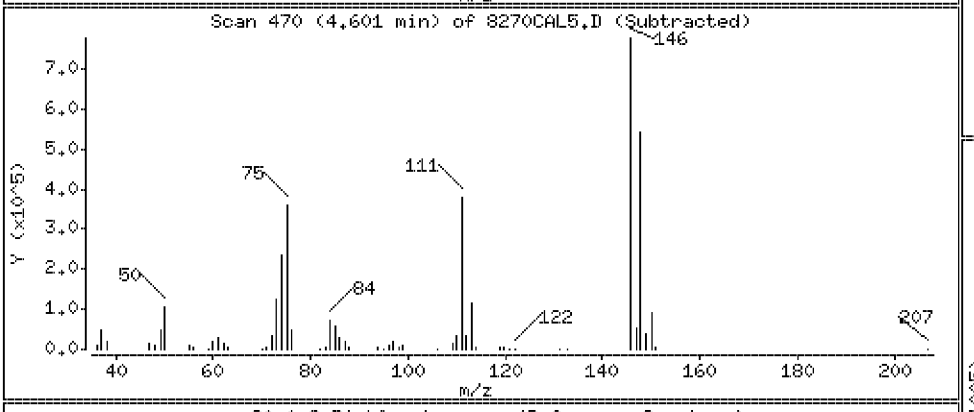
Sample Info: 45923

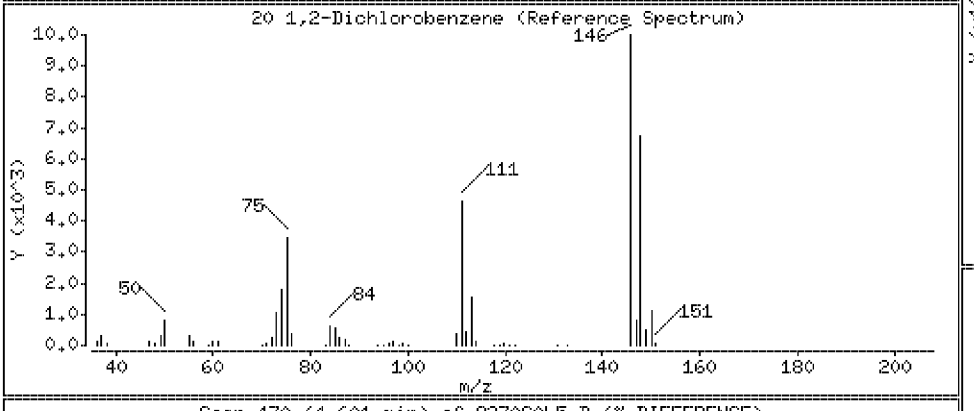
Purge Volume: 1000.0 Operator: PEL

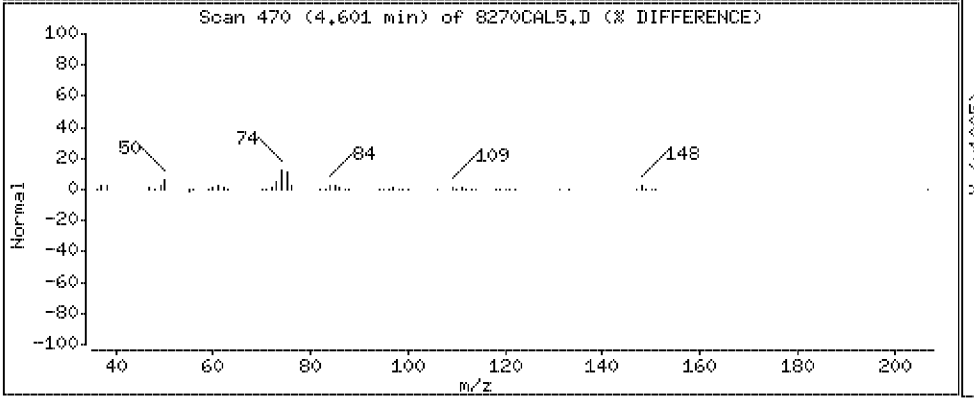
Column phase: HPMS-5 Column diameter: 0.25

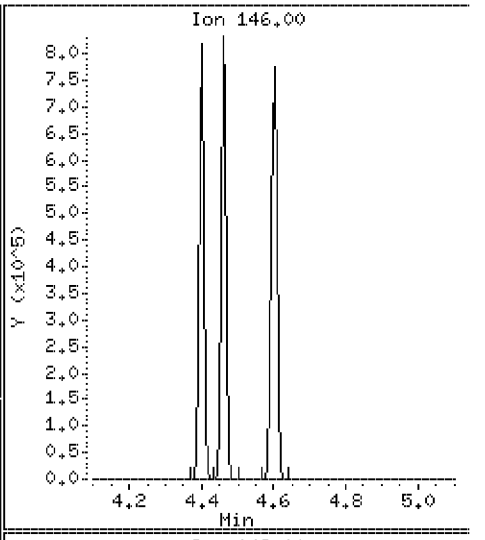
20 1,2-Dichlorobenzene Concentration: 60.8 ug/l

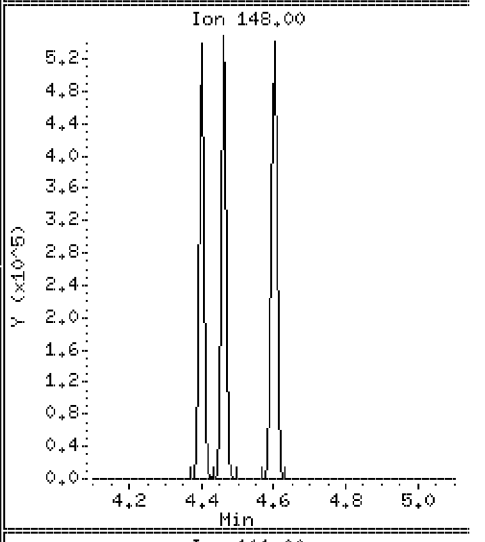


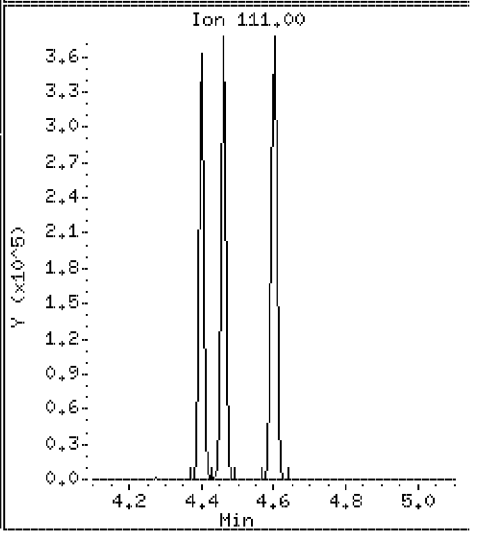












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

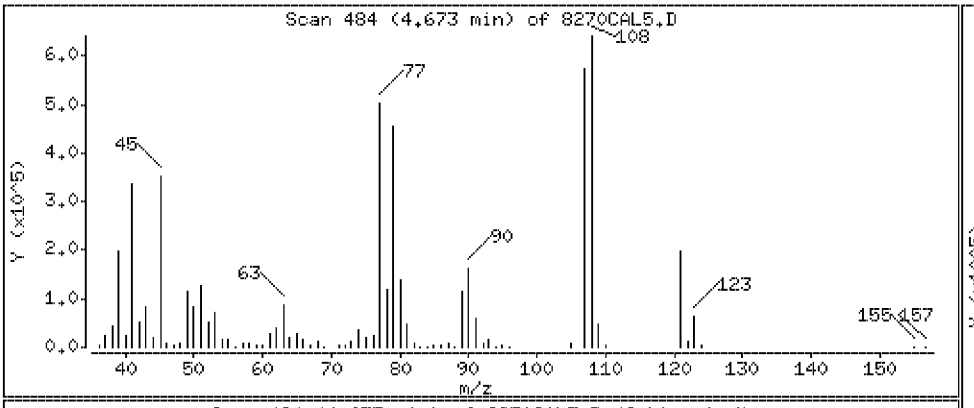
Operator: PEL

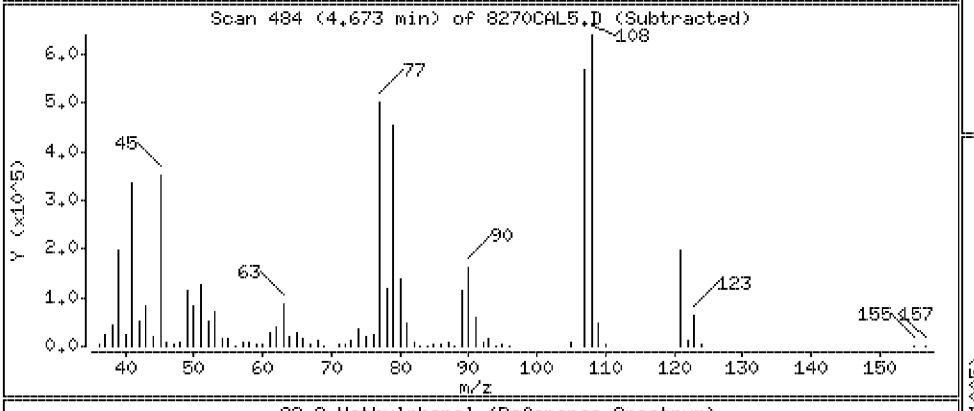
Column phase: HPMS-5

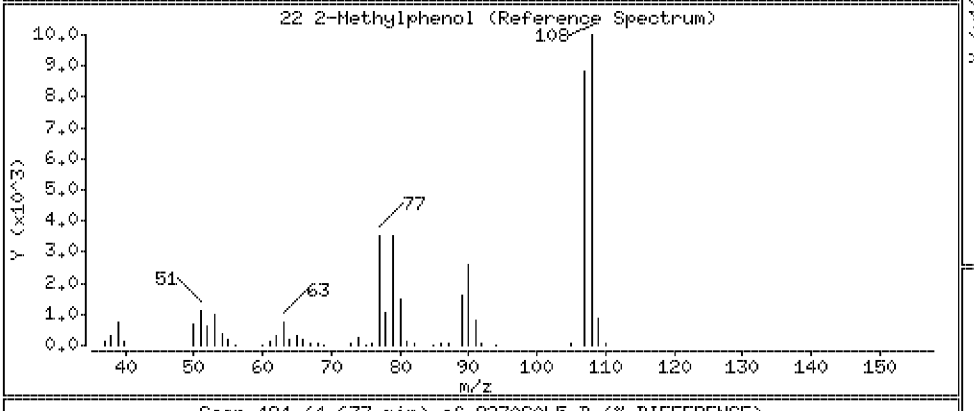
Column diameter: 0.25

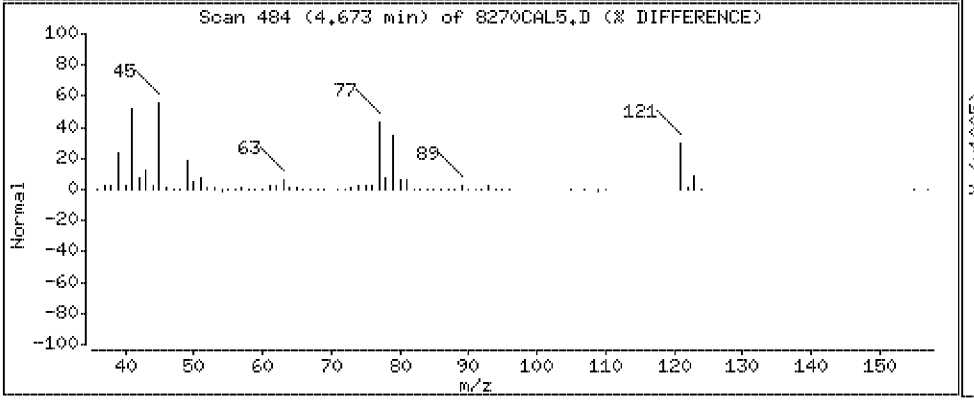
22 2-Methylphenol

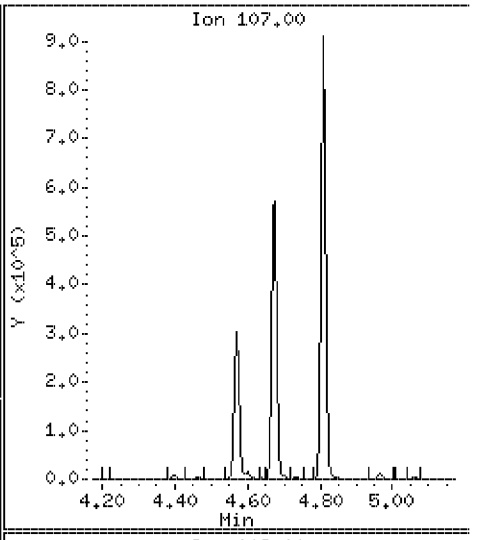
Concentration: 62.4 ug/l

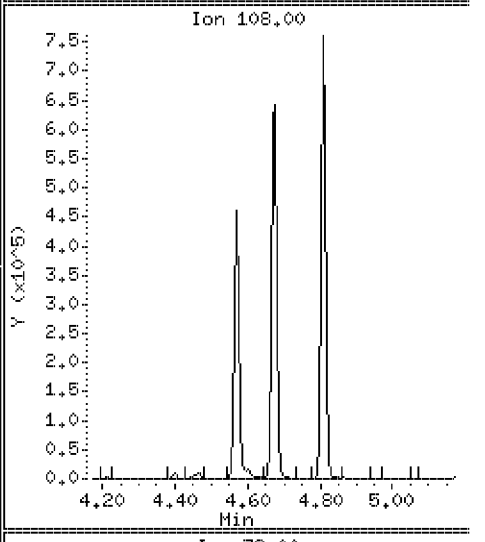


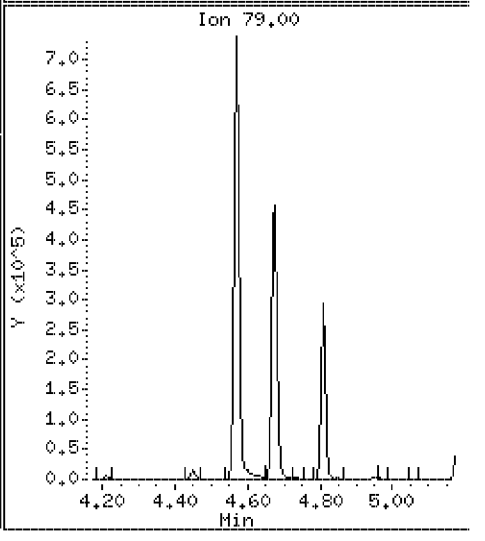












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

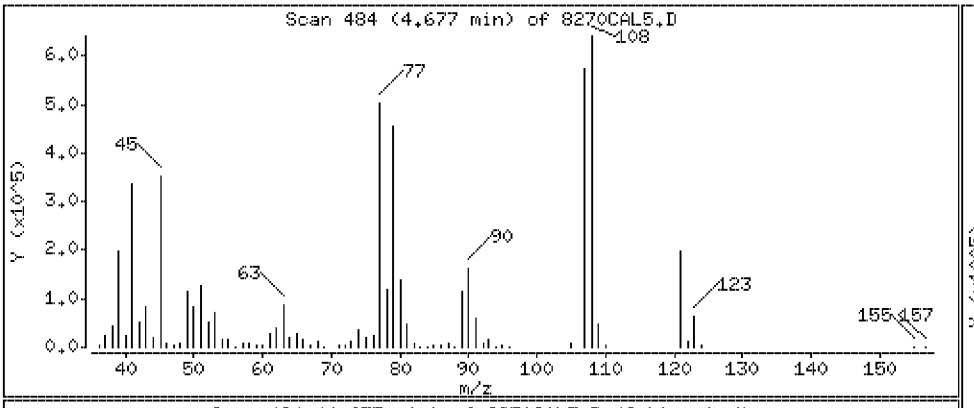
Operator: PEL

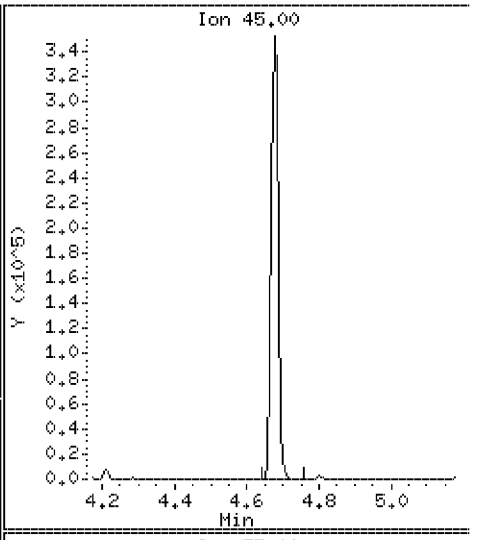
Column phase: HPMS-5

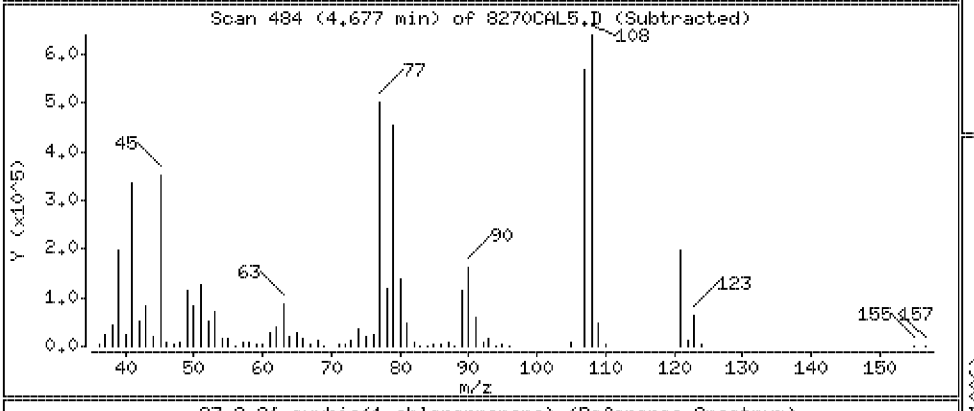
Column diameter: 0.25

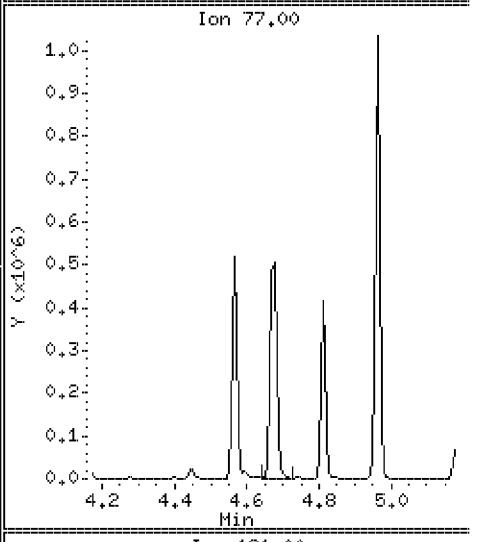
23 2,2'-oxybis(1-chloropropane)

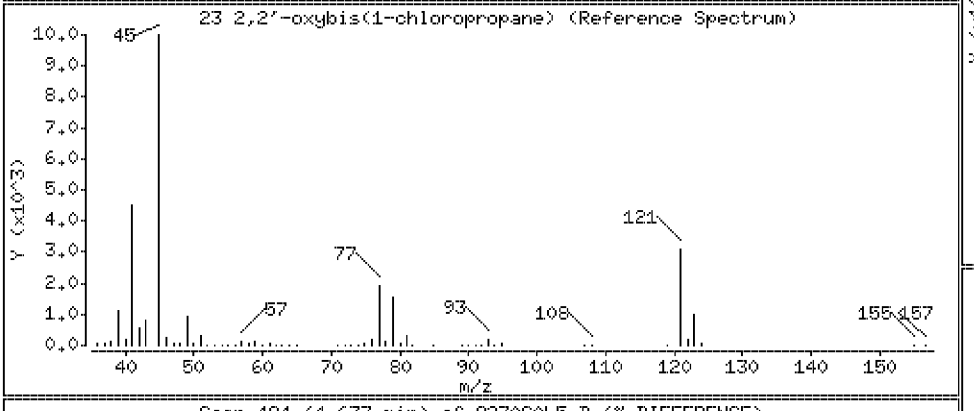
Concentration: 60.4 ug/l

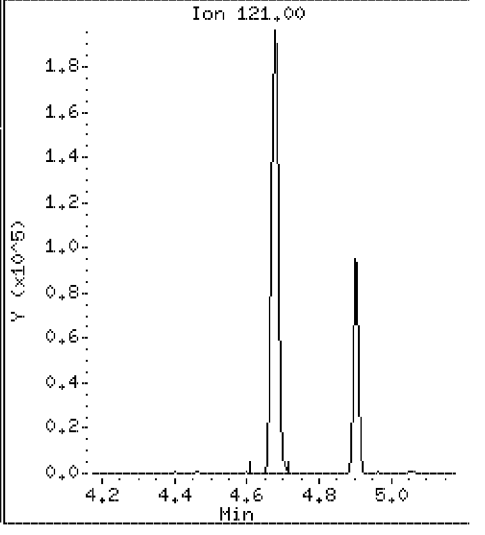


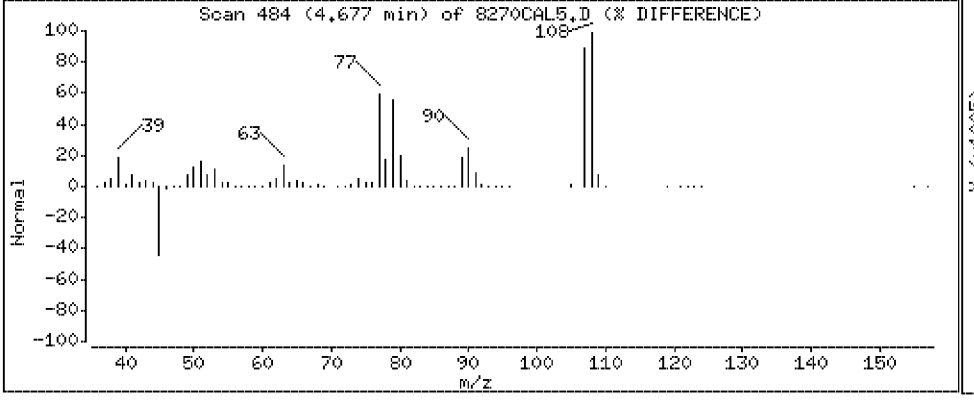












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

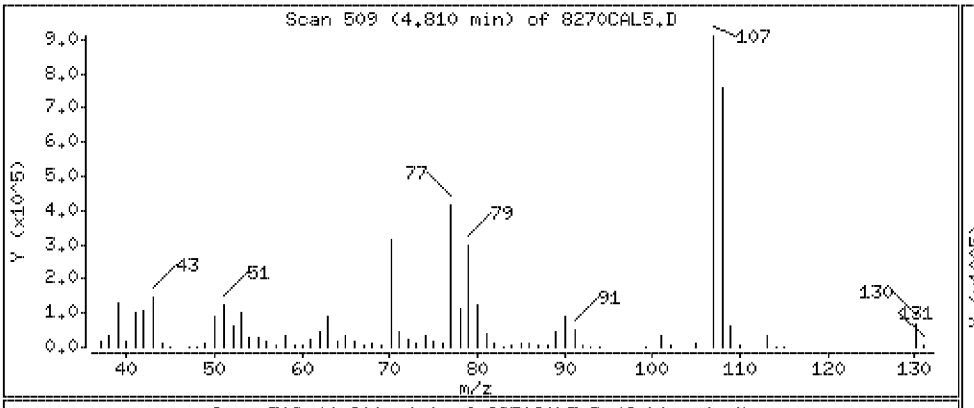
Operator: PEL

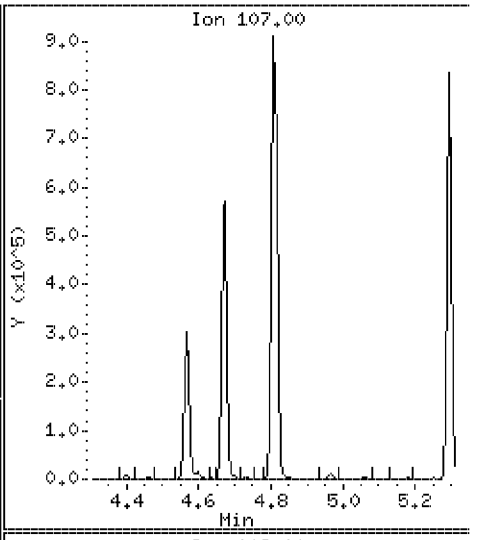
Column phase: HPMS-5

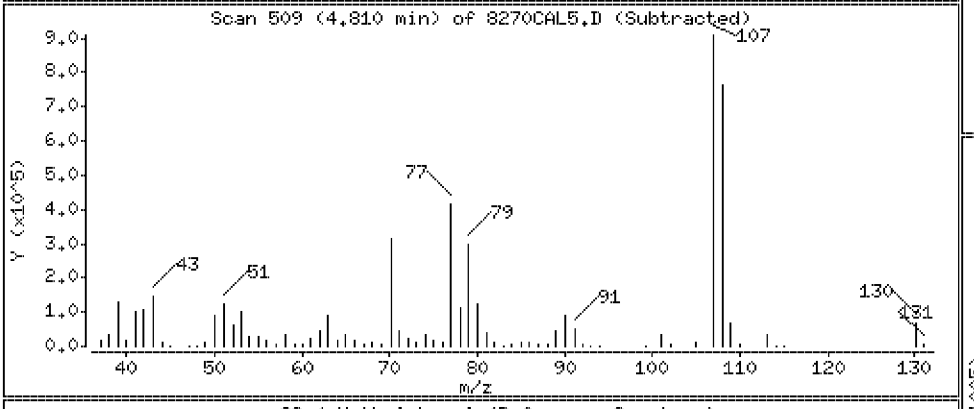
Column diameter: 0.25

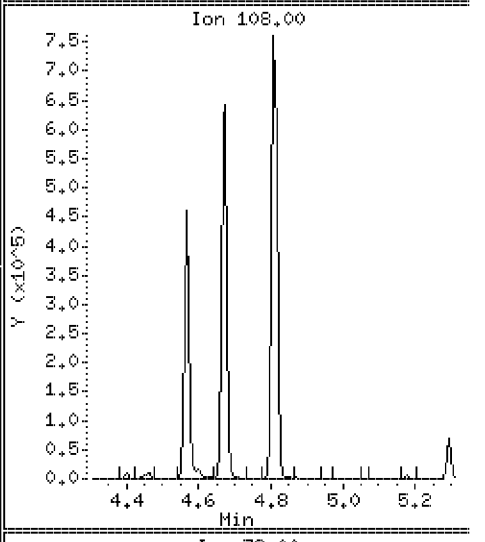
28 4-Methylphenol

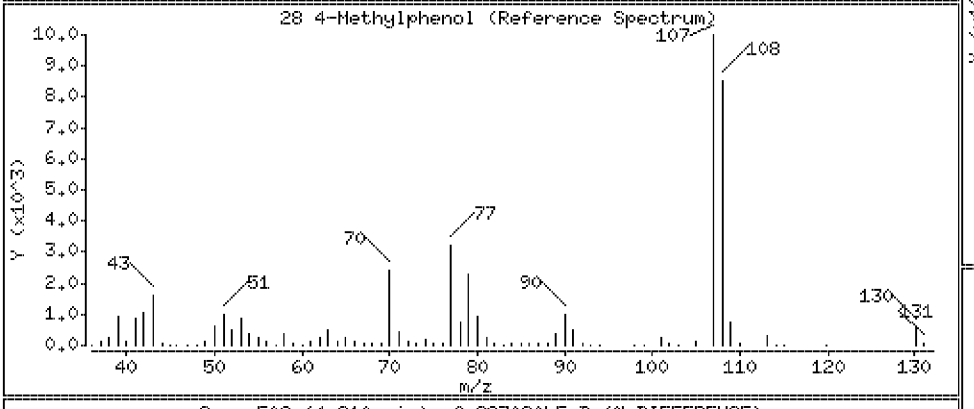
Concentration: 62.2 ug/l

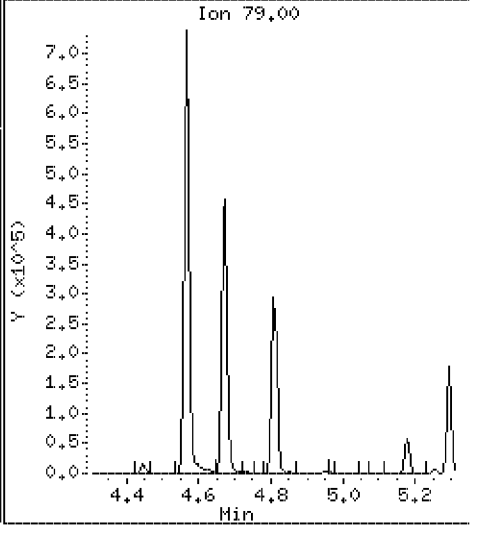


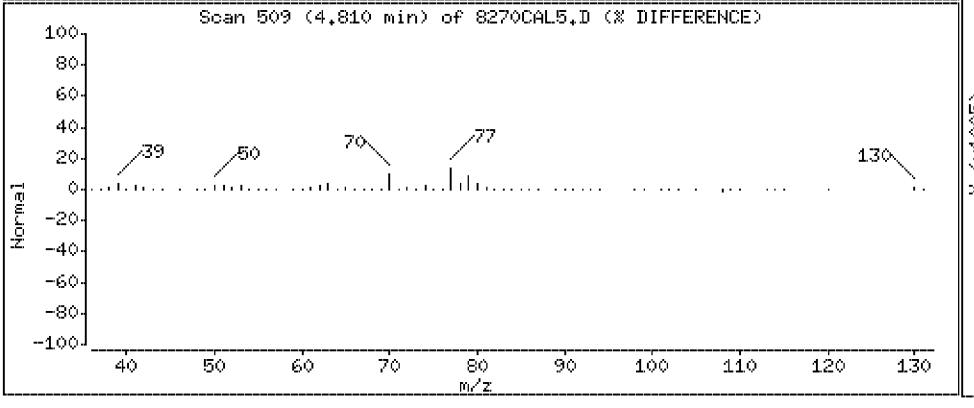












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

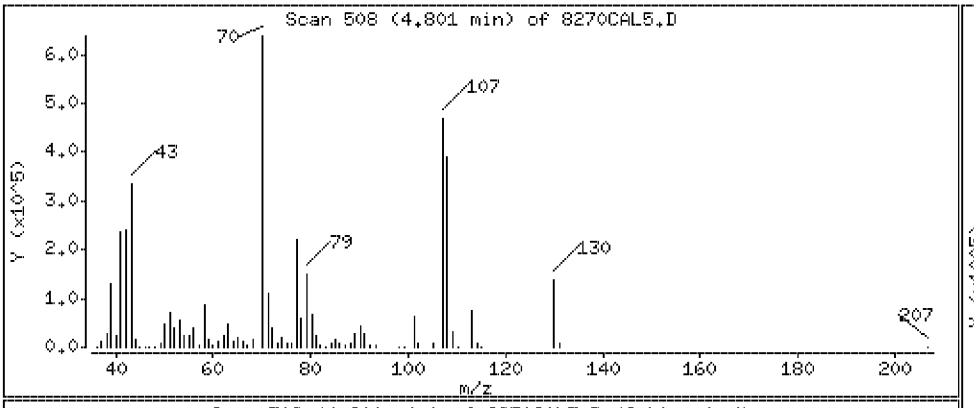
Operator: PEL

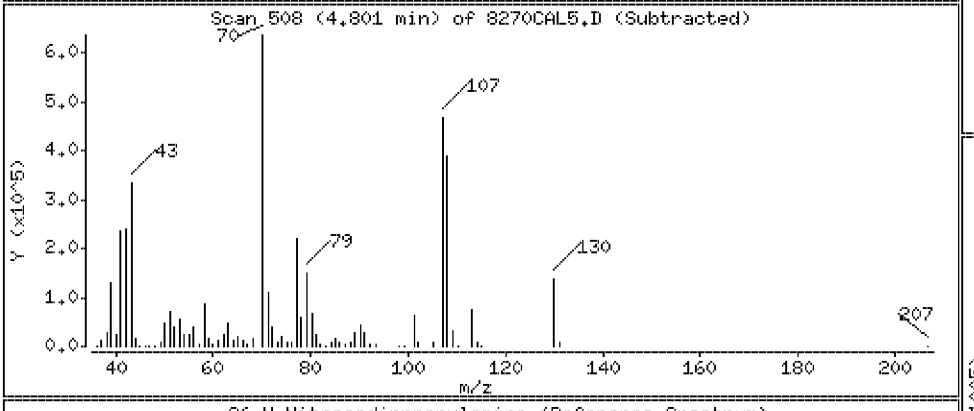
Column phase: HPMS-5

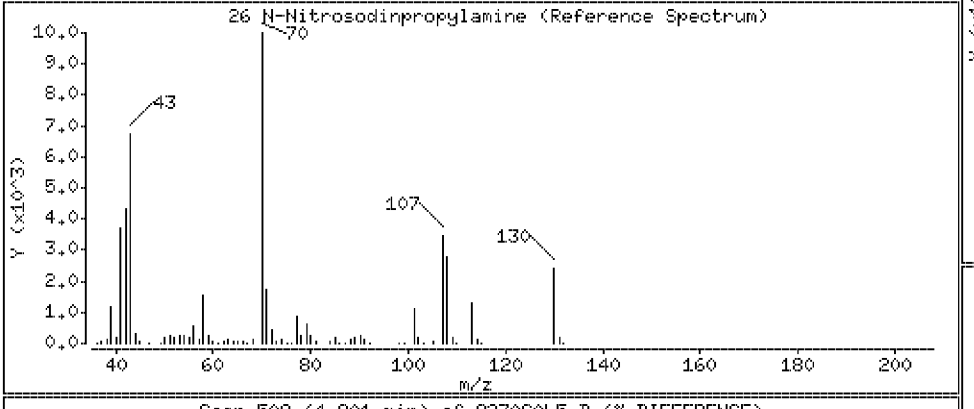
Column diameter: 0.25

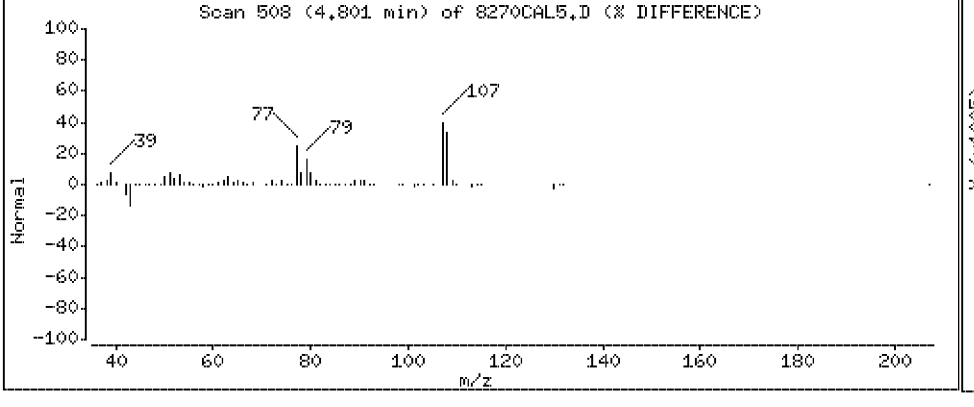
26 N-Nitrosodinpropylamine

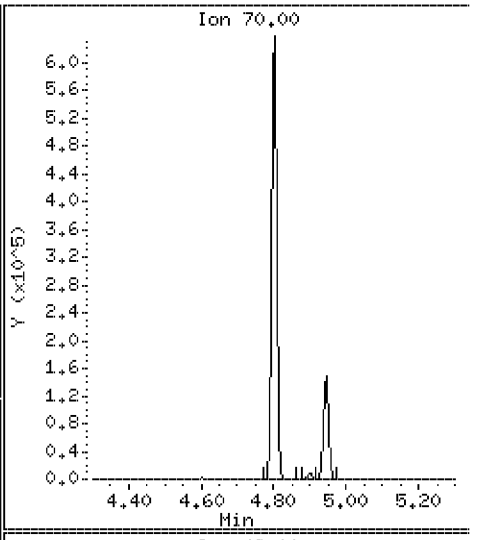
Concentration: 61.8 ug/l

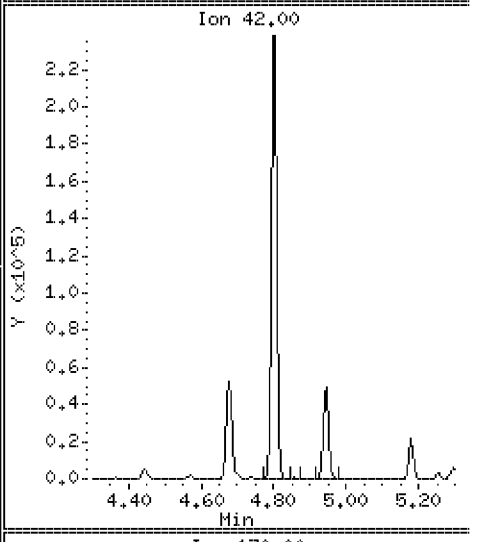


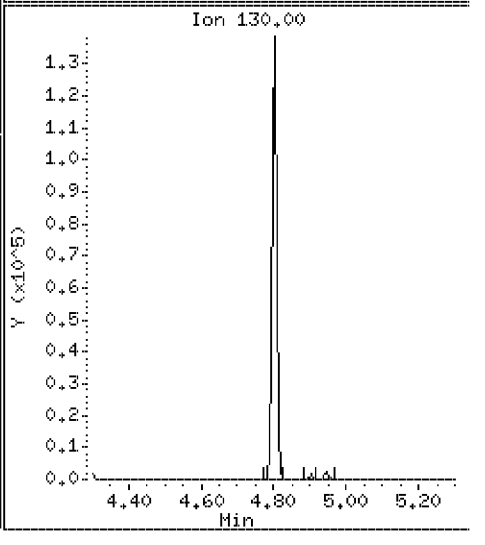












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

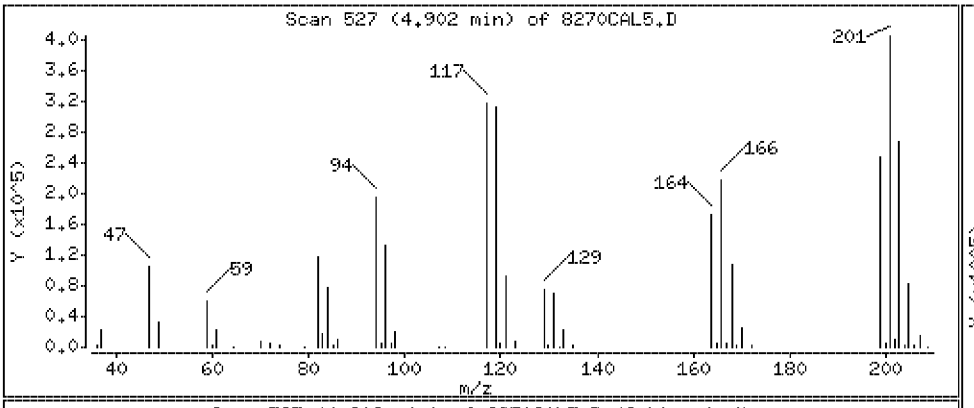
Operator: PEL

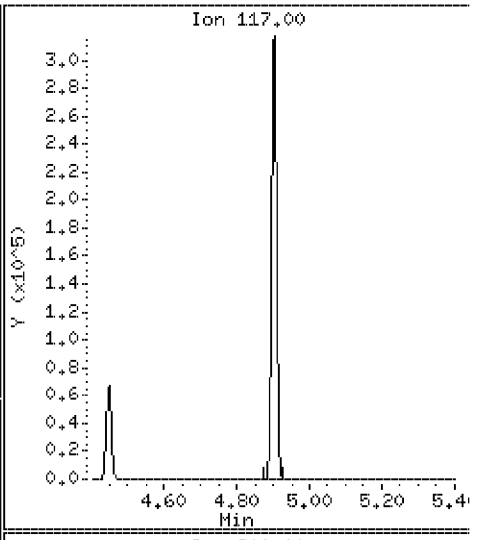
Column phase: HPMS-5

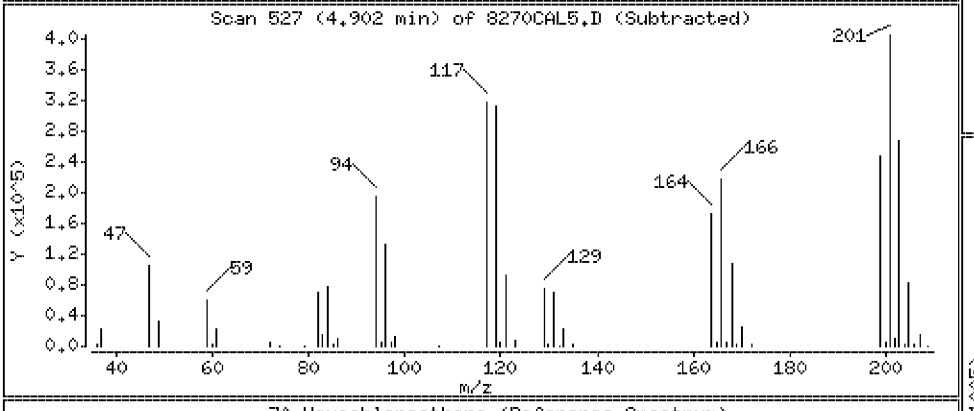
Column diameter: 0.25

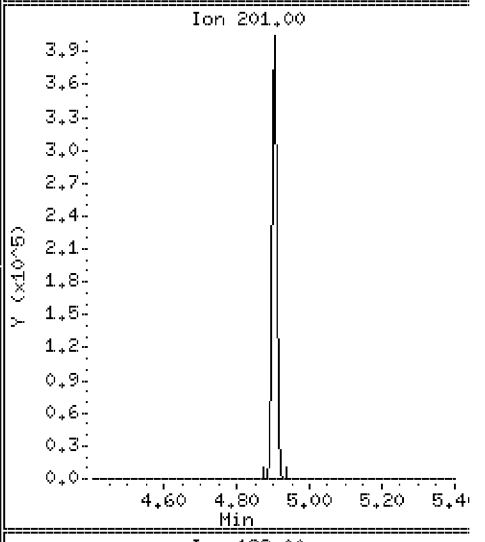
30 Hexachloroethane

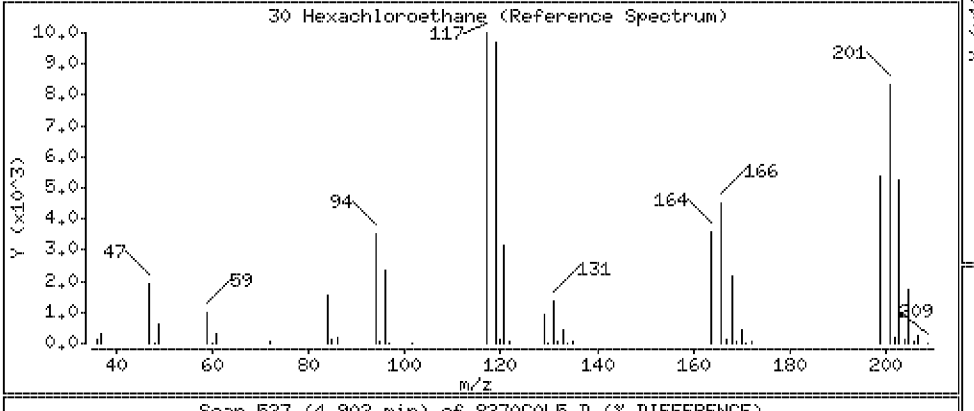
Concentration: 60.8 ug/l

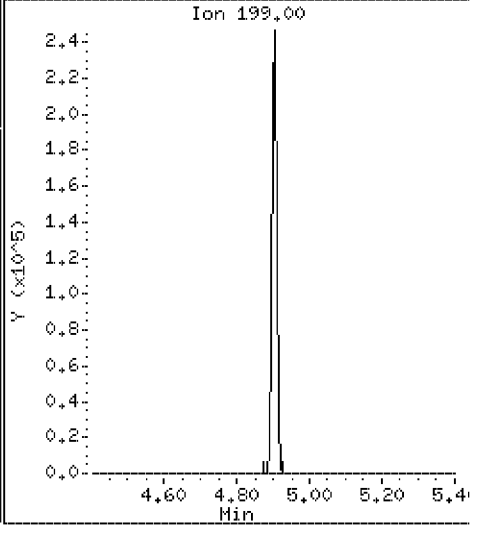


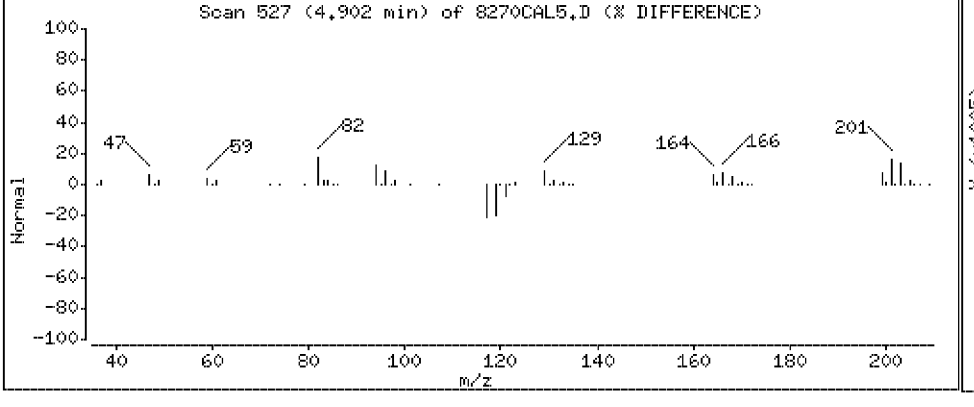












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

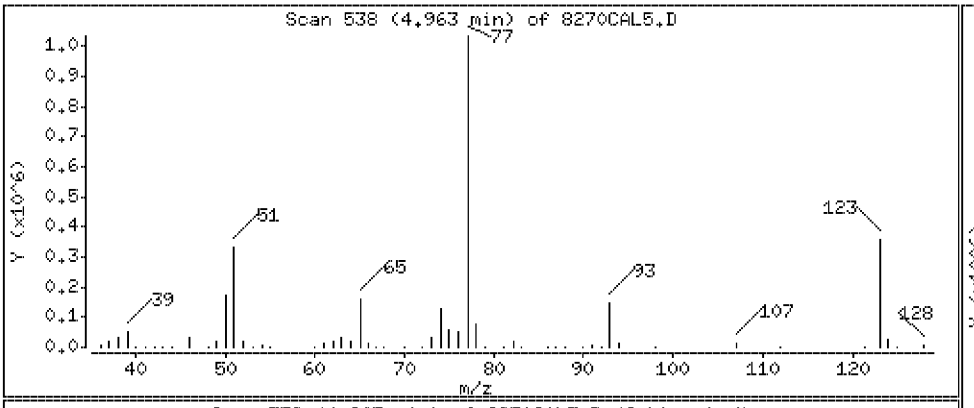
Operator: PEL

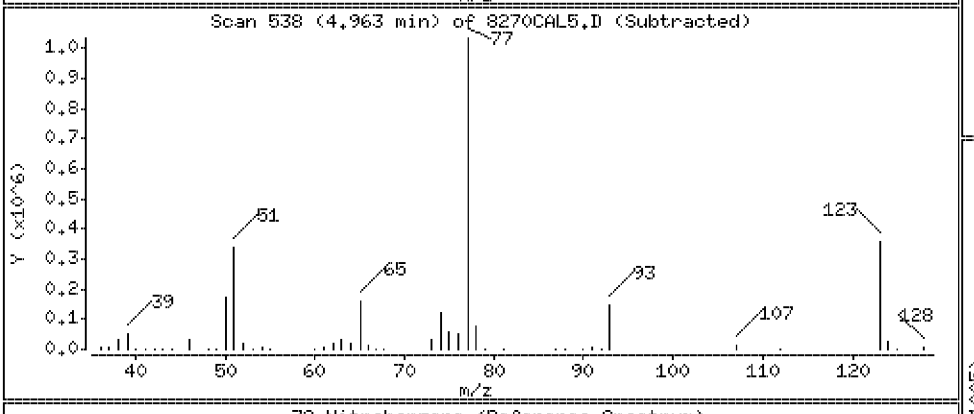
Column phase: HPMS-5

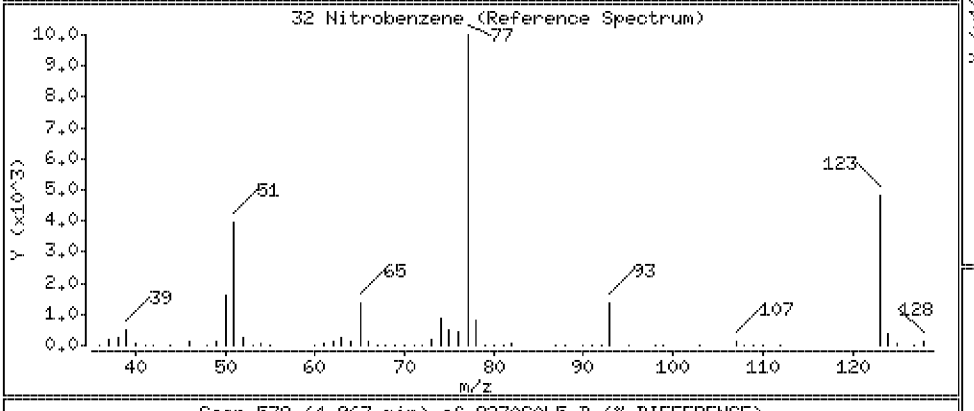
Column diameter: 0.25

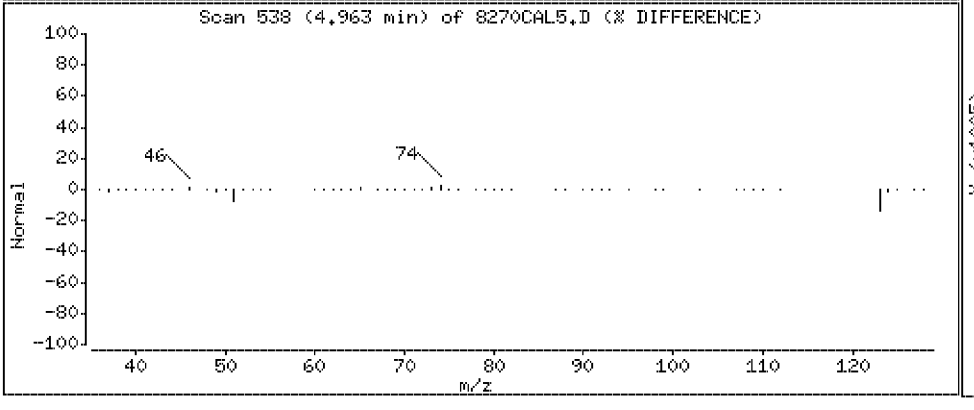
32 Nitrobenzene

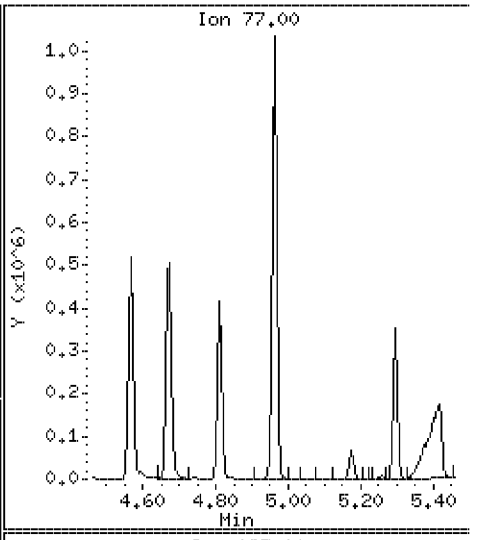
Concentration: 59.4 ug/l

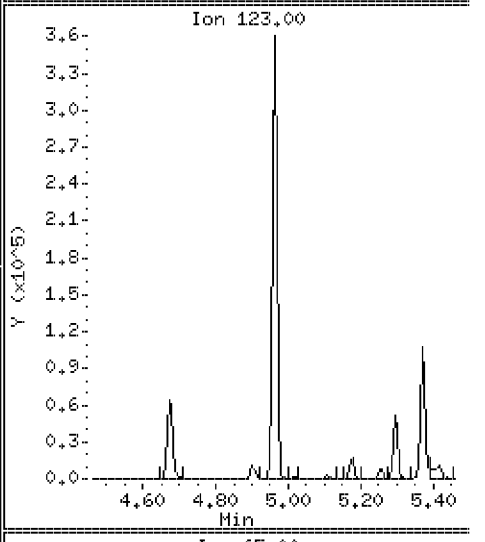


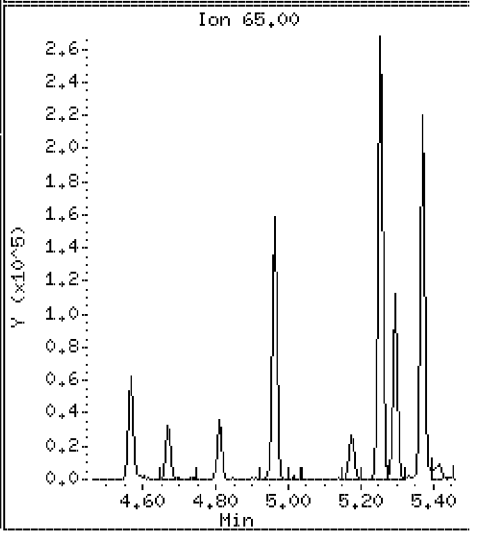












Date : 23-APR-2012 11:10

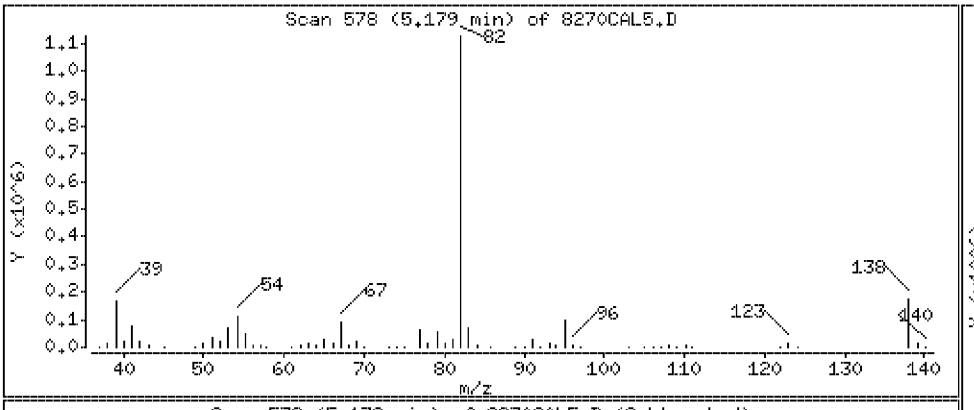
Client ID: 8270CAL5 Instrument: smsd03.i

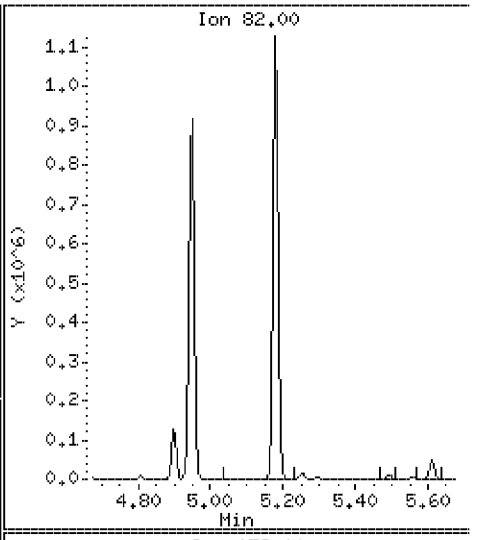
Sample Info: 45923

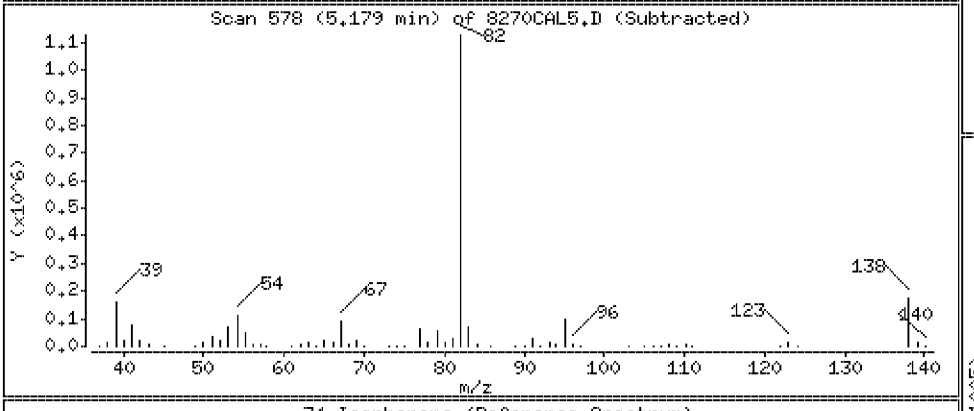
Purge Volume: 1000.0 Operator: PEL

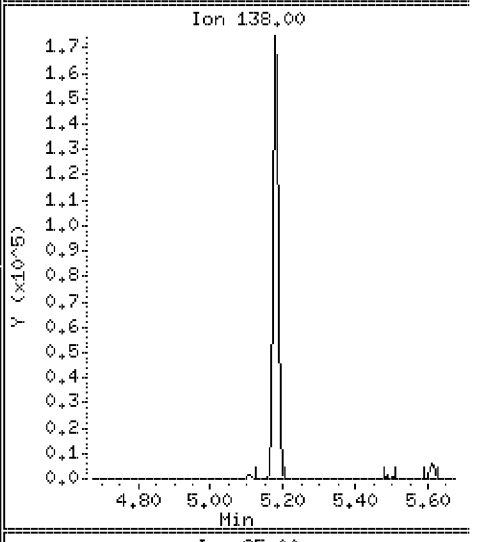
Column phase: HPMS-5 Column diameter: 0.25

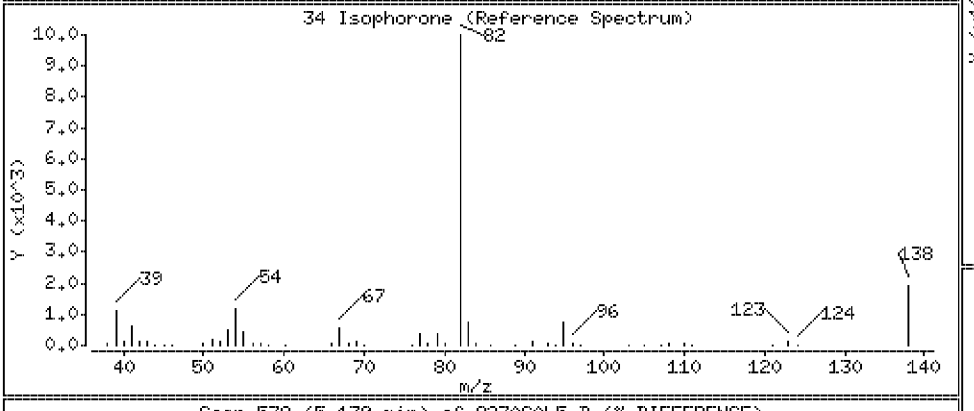
34 Isophorone Concentration: 59.5 ug/l

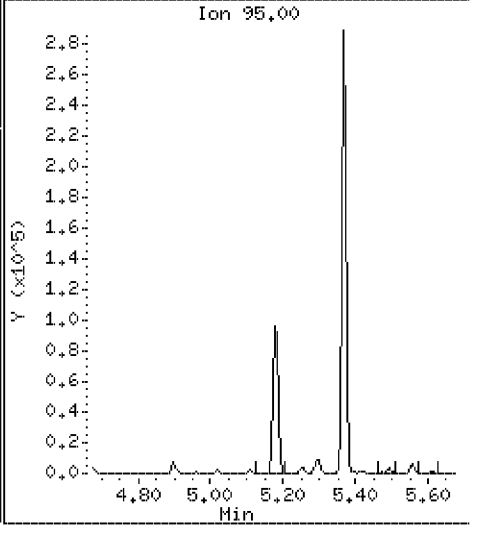


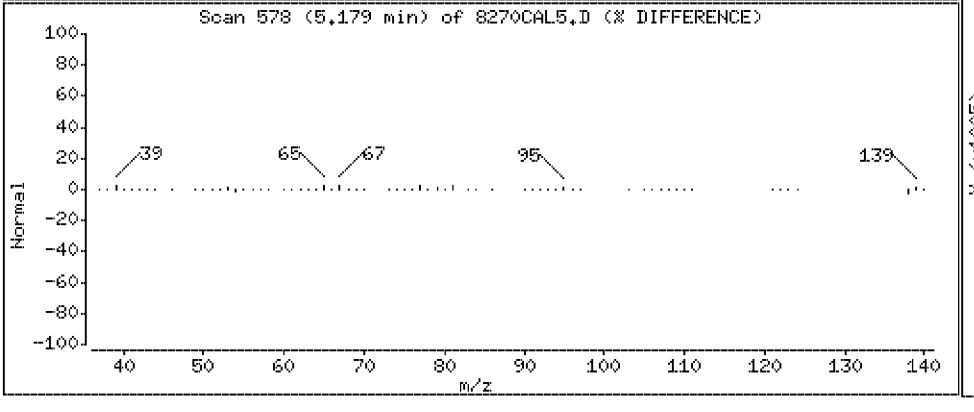












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

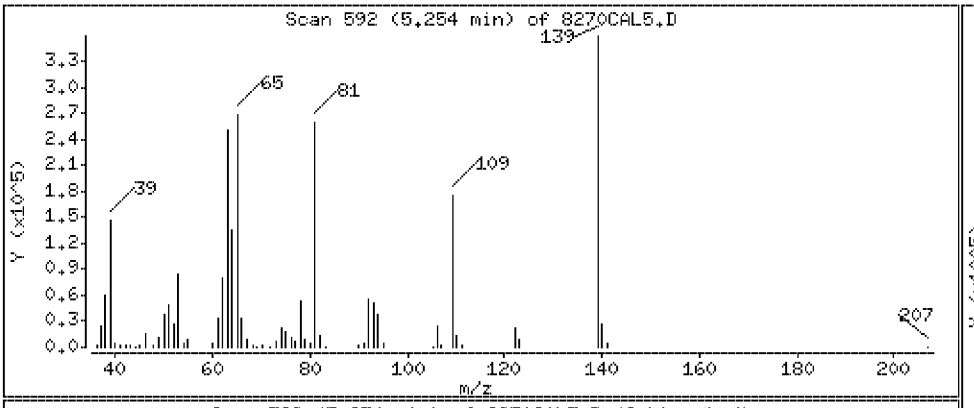
Operator: PEL

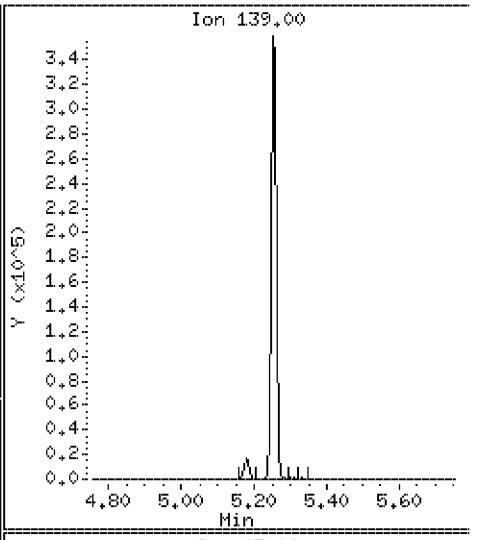
Column phase: HPMS-5

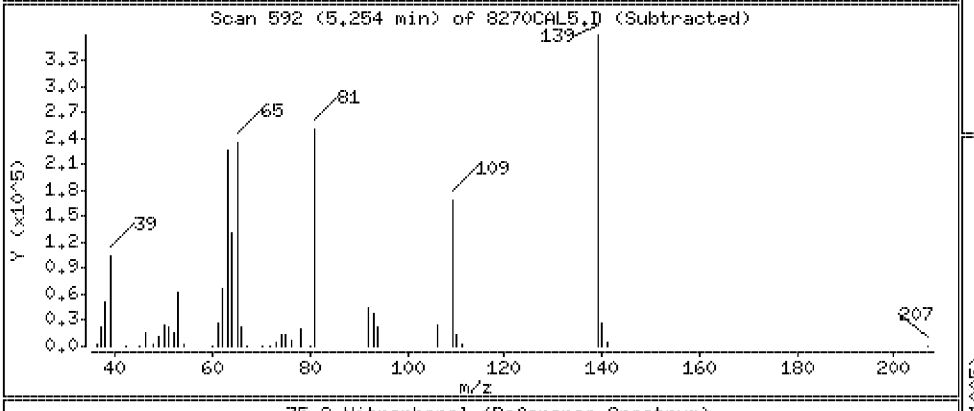
Column diameter: 0.25

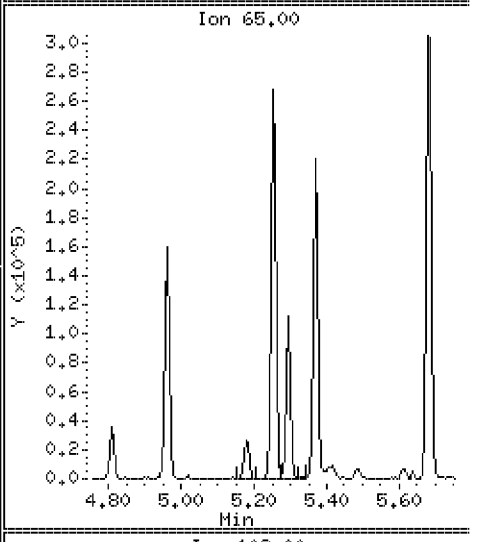
35 2-Nitrophenol

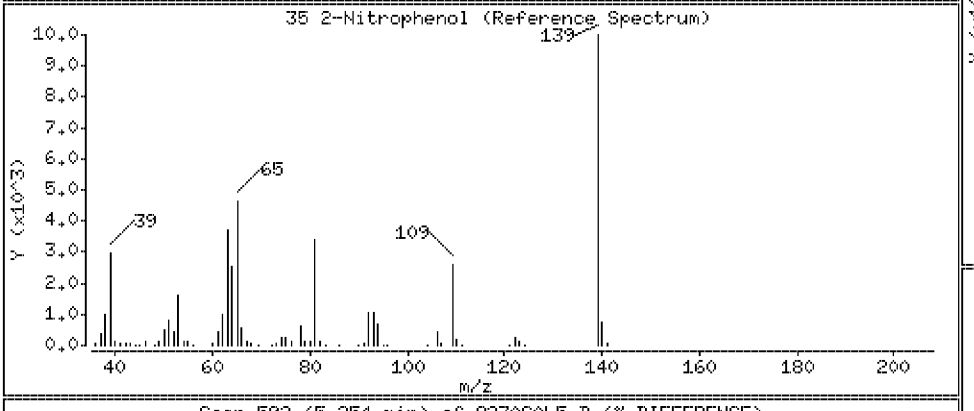
Concentration: 61.7 ug/l

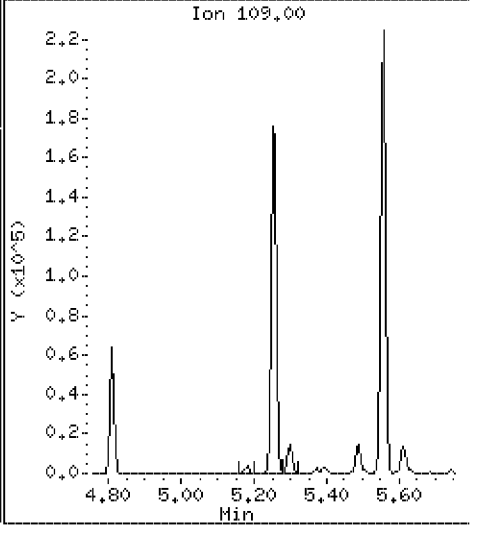


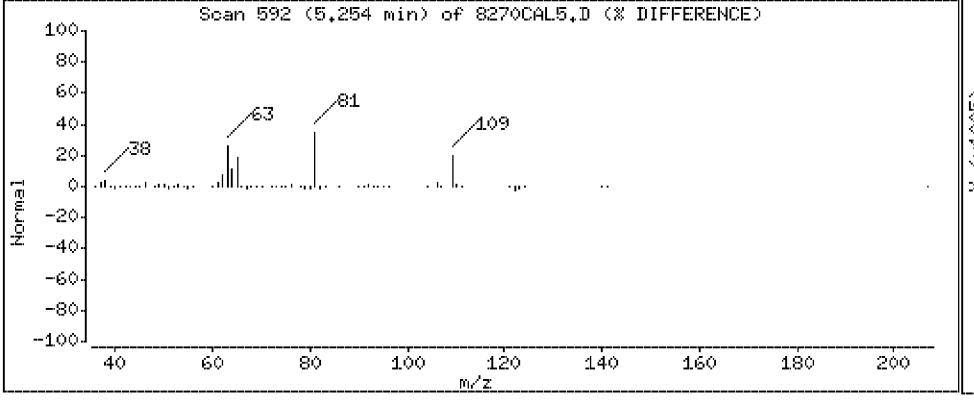












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

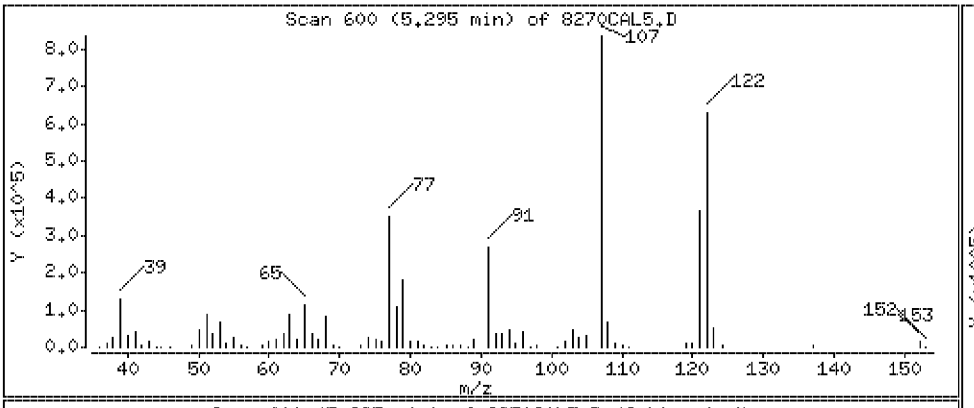
Operator: PEL

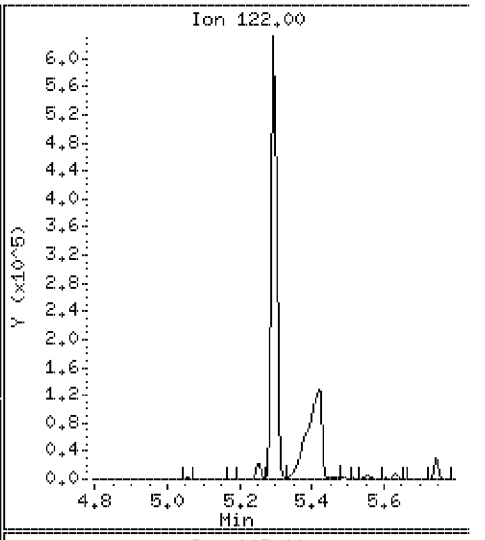
Column phase: HPMS-5

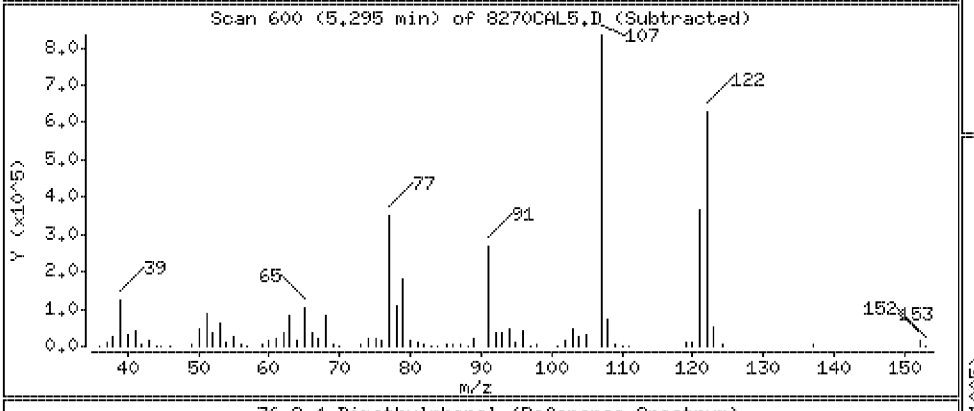
Column diameter: 0.25

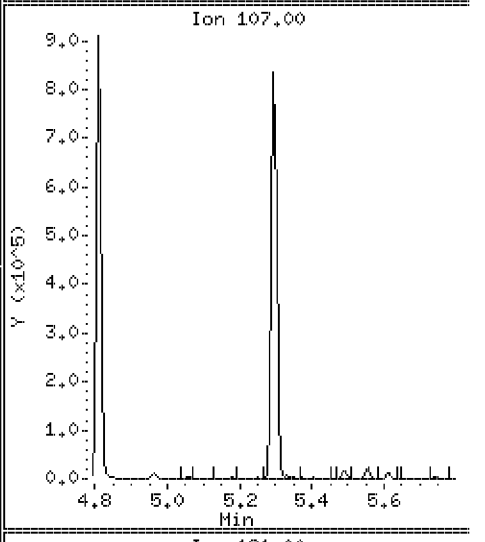
36 2,4-Dimethylphenol

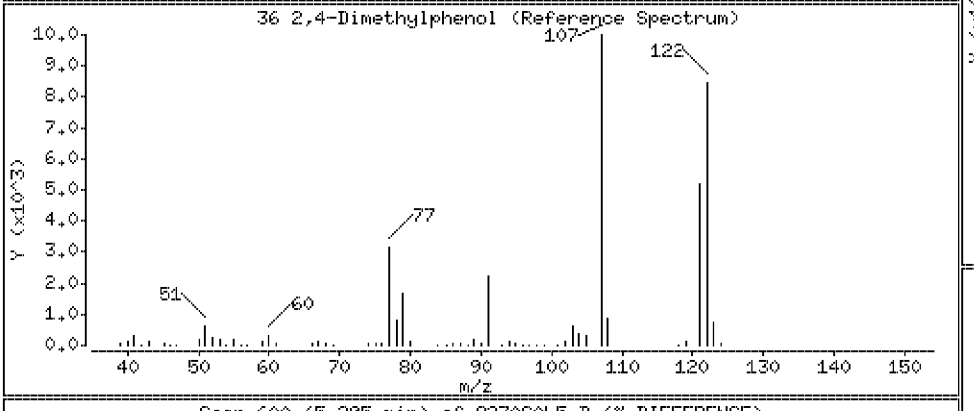
Concentration: 60.0 ug/l

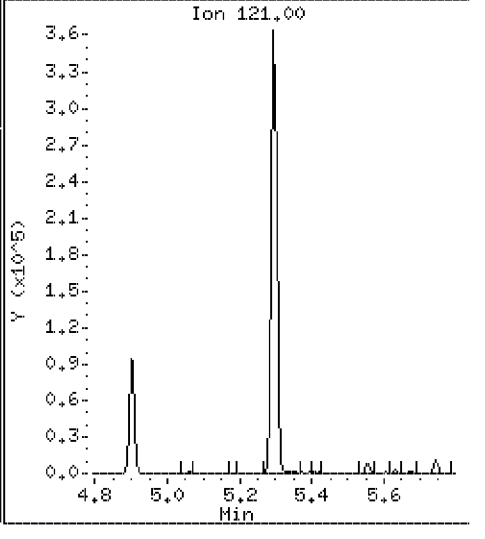


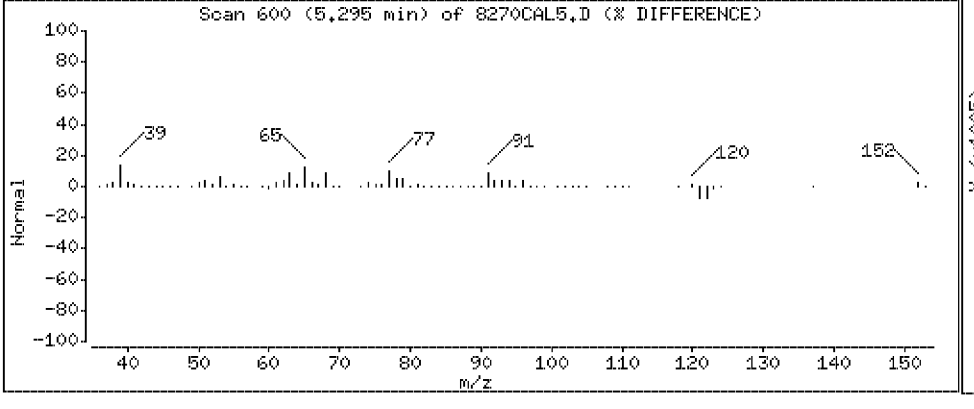












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

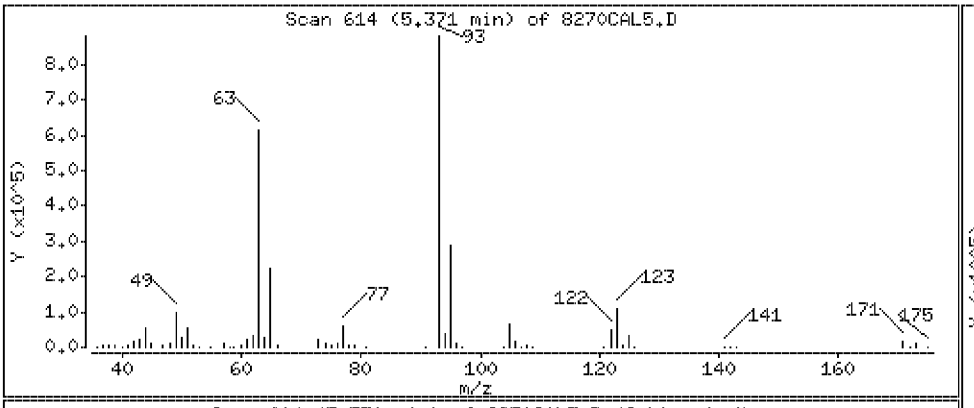
Operator: PEL

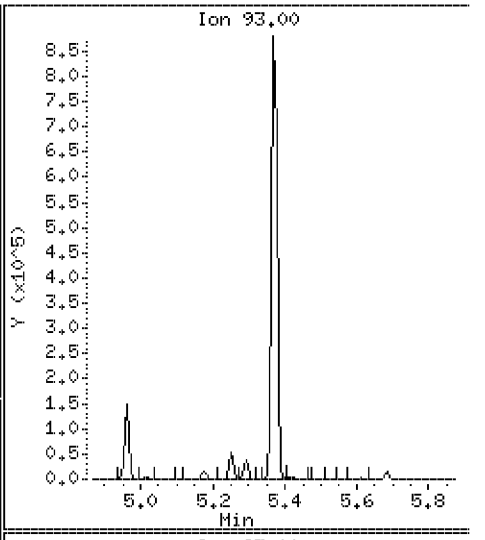
Column phase: HPMS-5

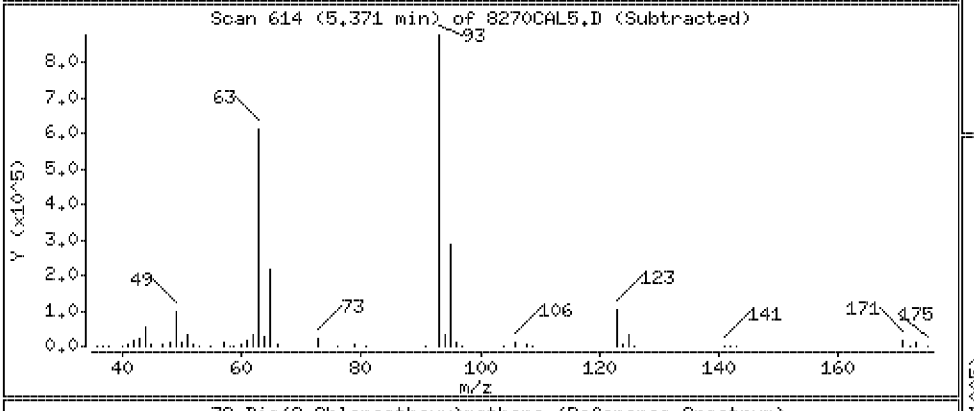
Column diameter: 0.25

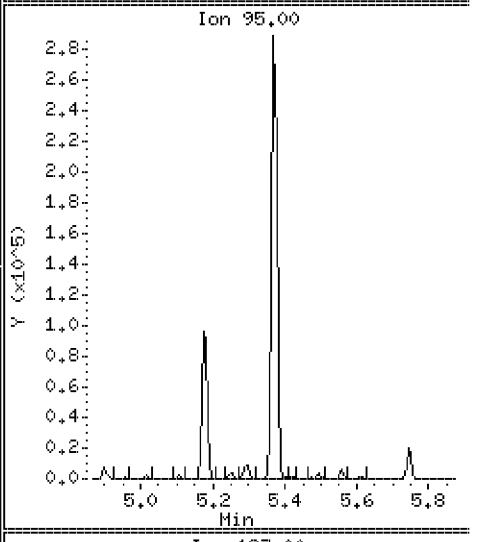
38 Bis(2-Chloroethoxy)methane

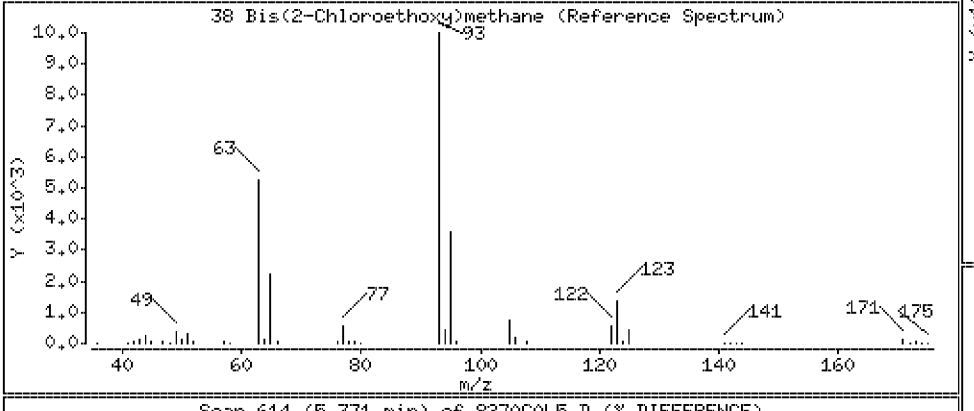
Concentration: 60.0 ug/l

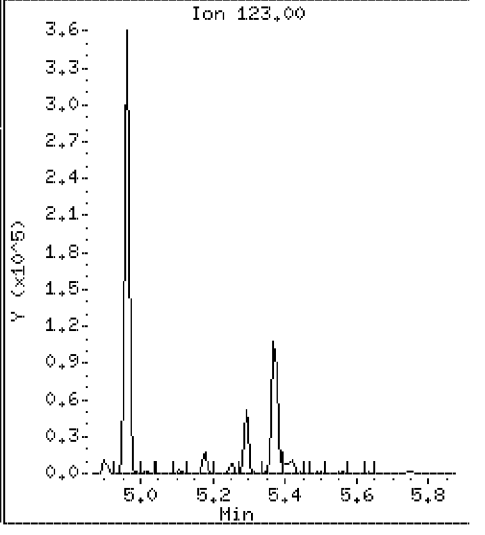


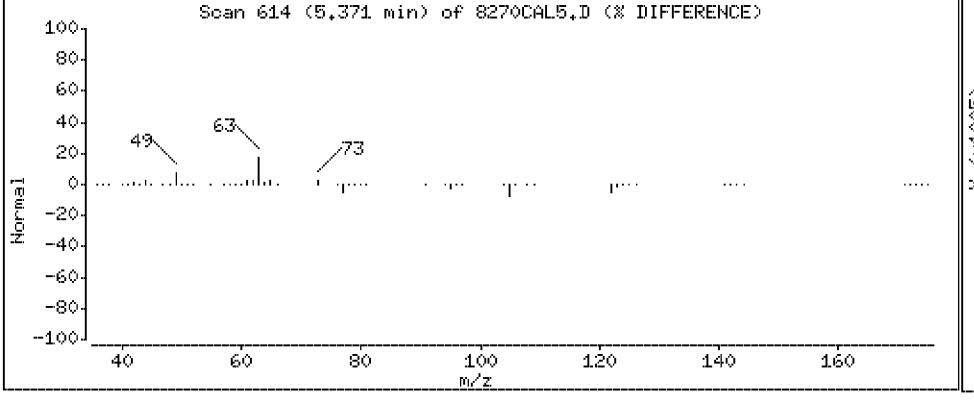












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

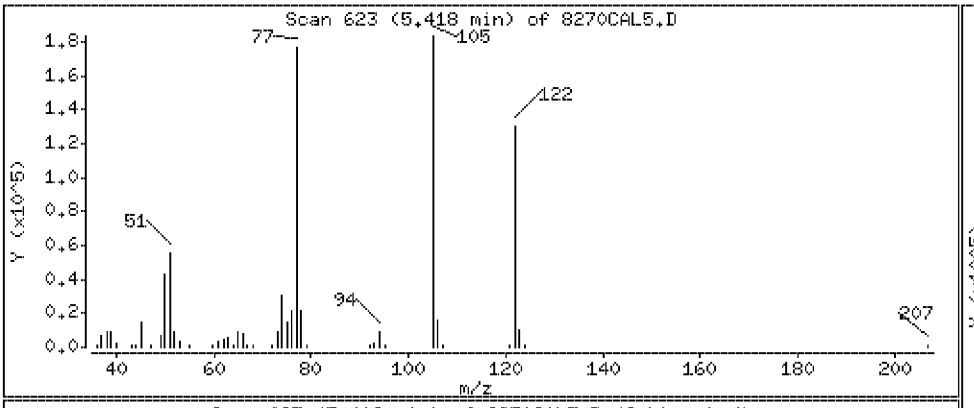
Operator: PEL

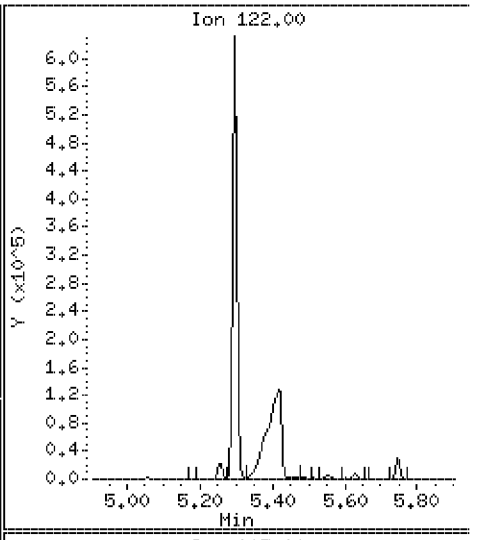
Column phase: HPMS-5

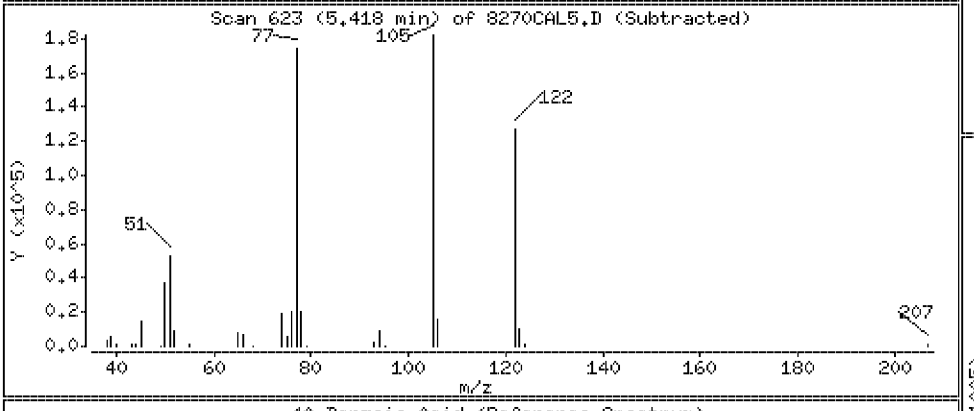
Column diameter: 0.25

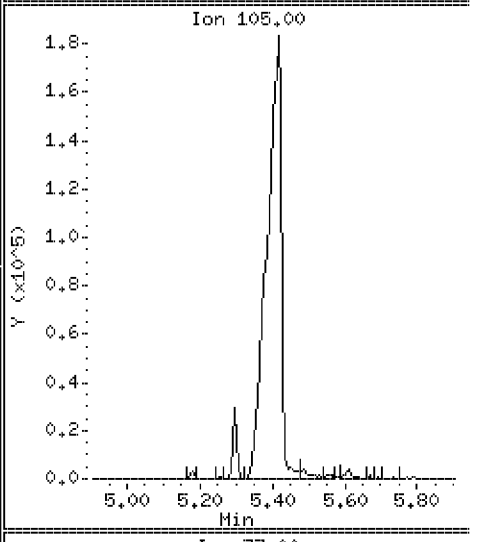
40 Benzoic Acid

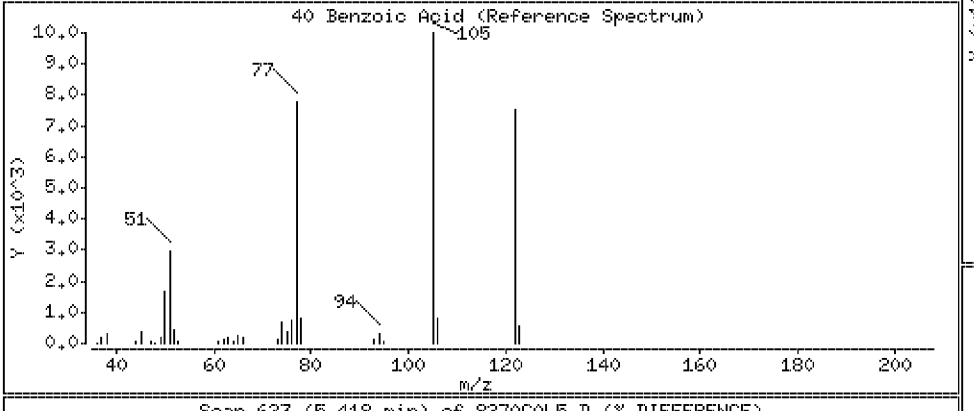
Concentration: 60.4 ug/l

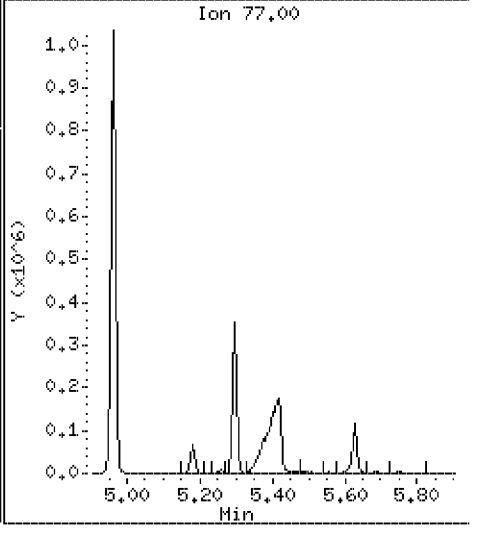


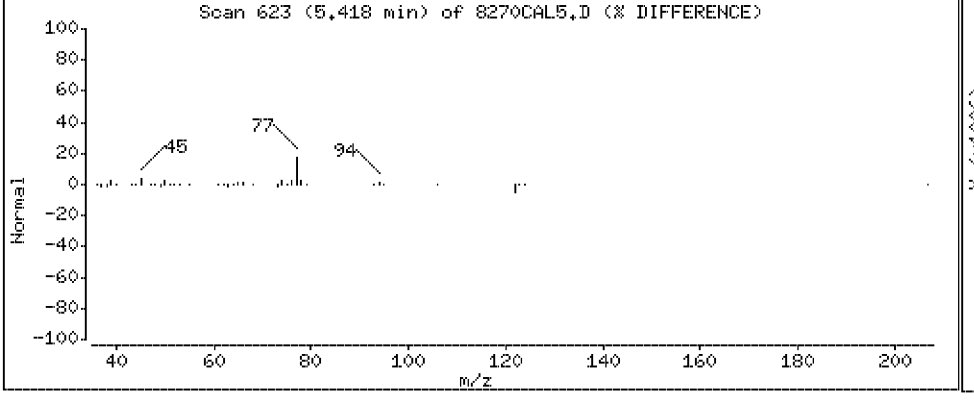












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

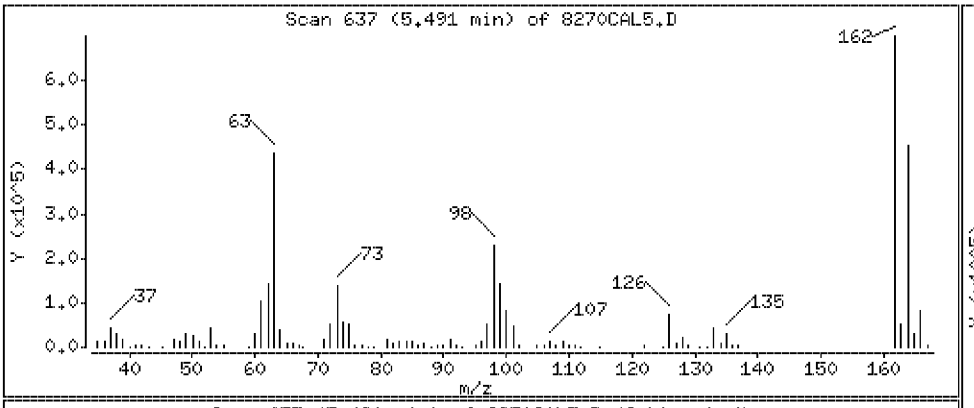
Operator: PEL

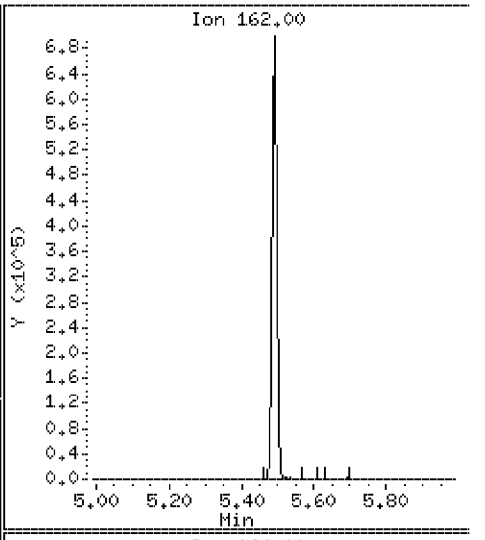
Column phase: HPMS-5

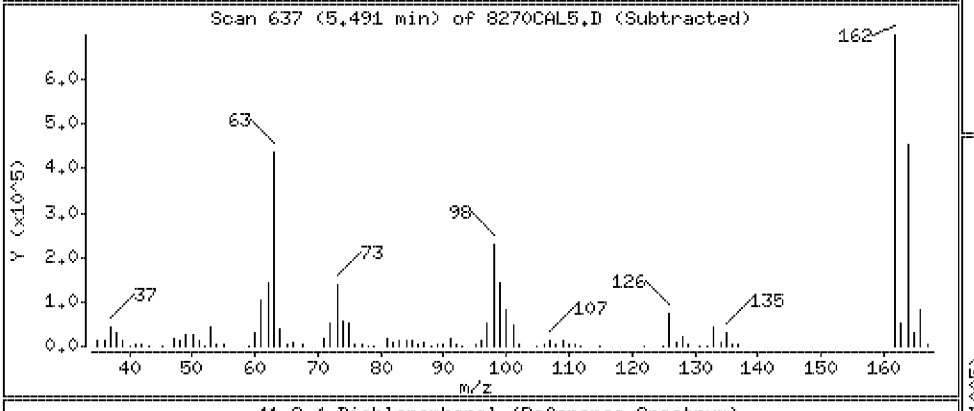
Column diameter: 0.25

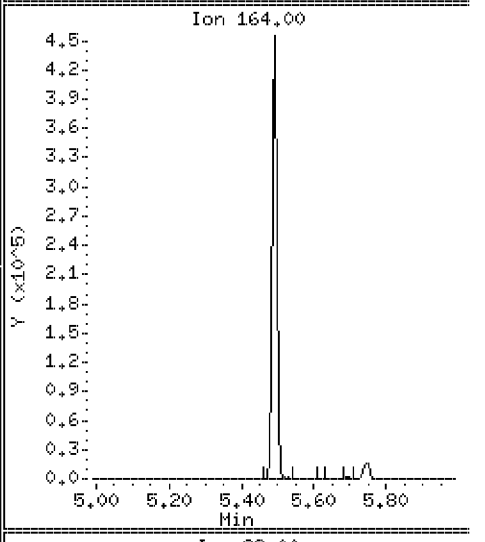
41 2,4-Dichlorophenol

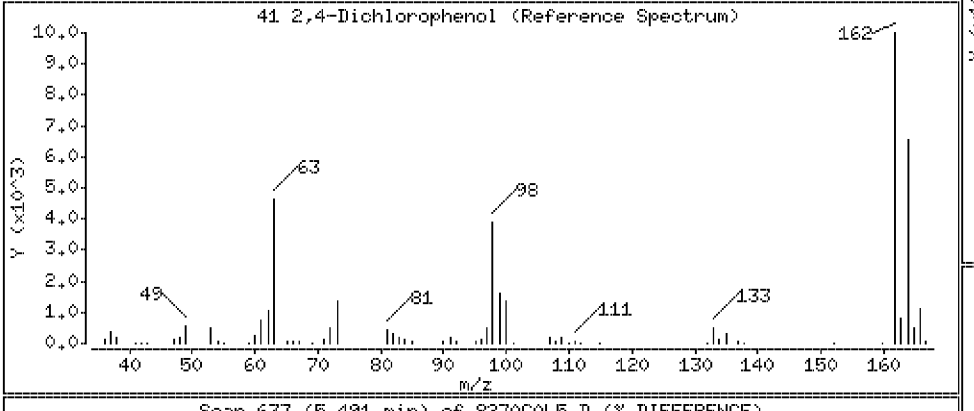
Concentration: 62.6 ug/l

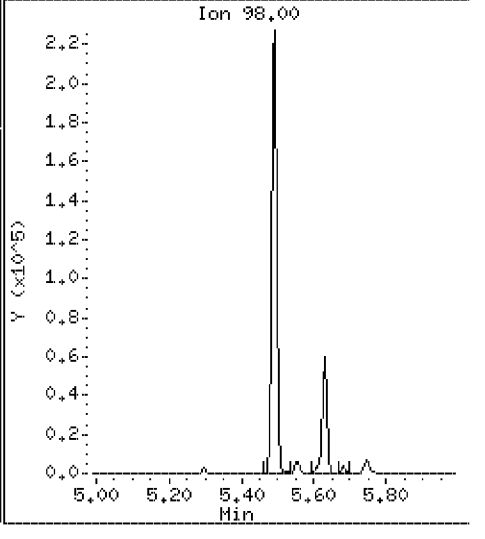


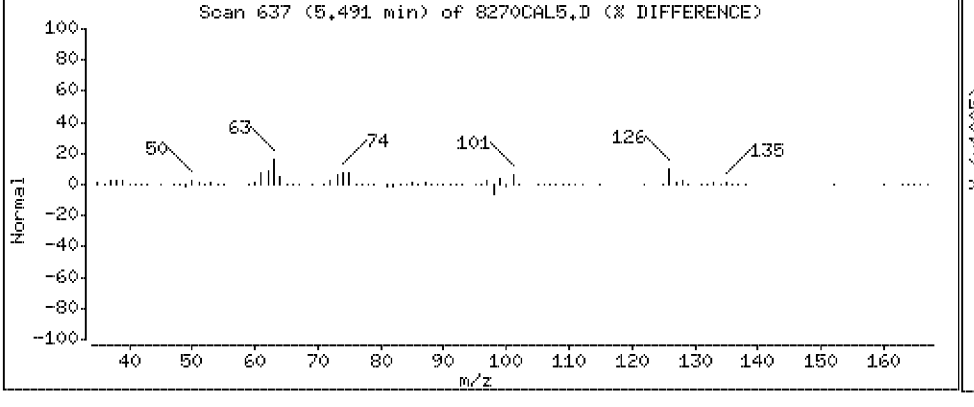












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

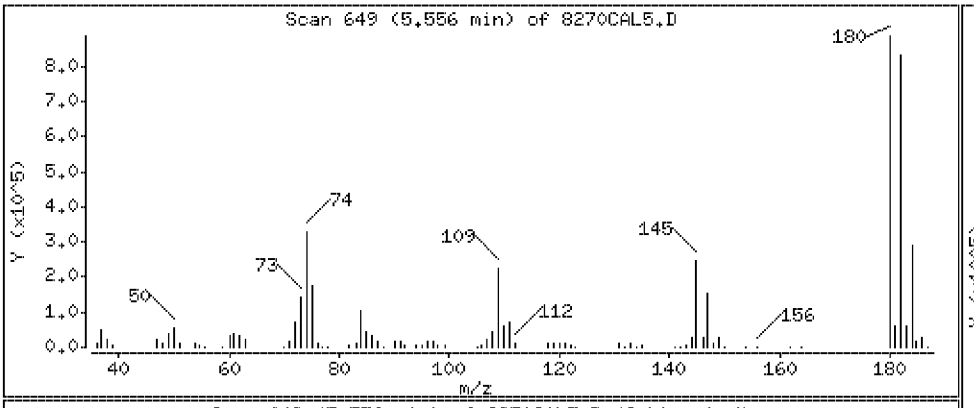
Operator: PEL

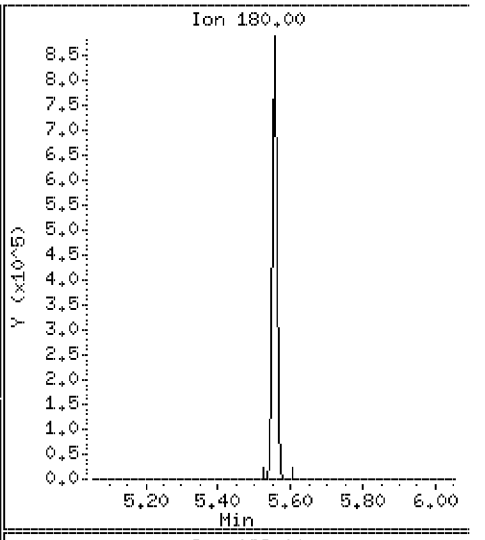
Column phase: HPMS-5

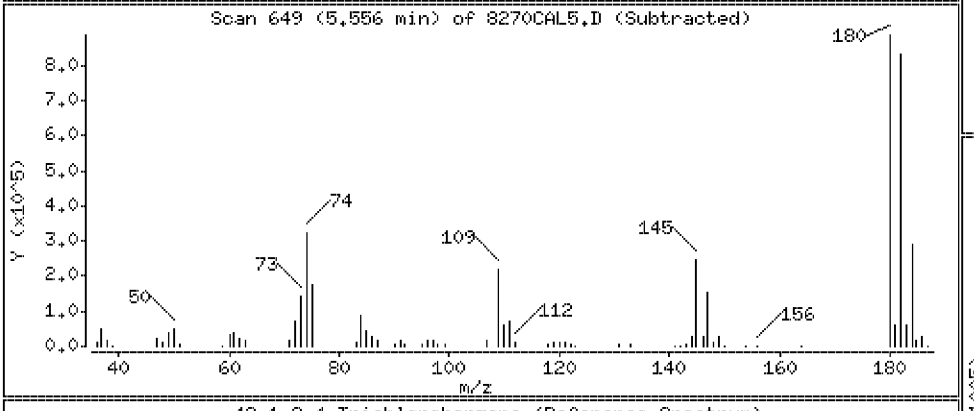
Column diameter: 0.25

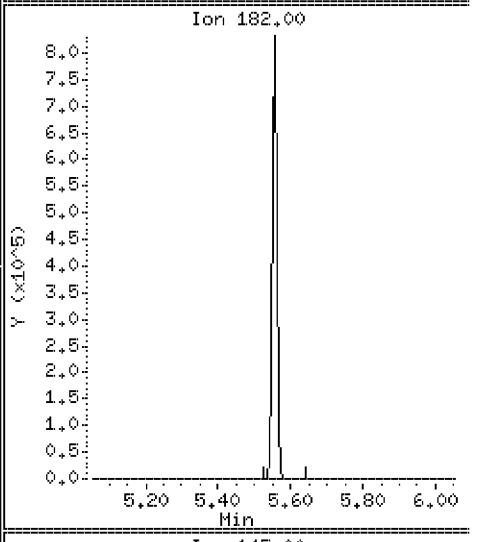
42 1,2,4-Trichlorobenzene

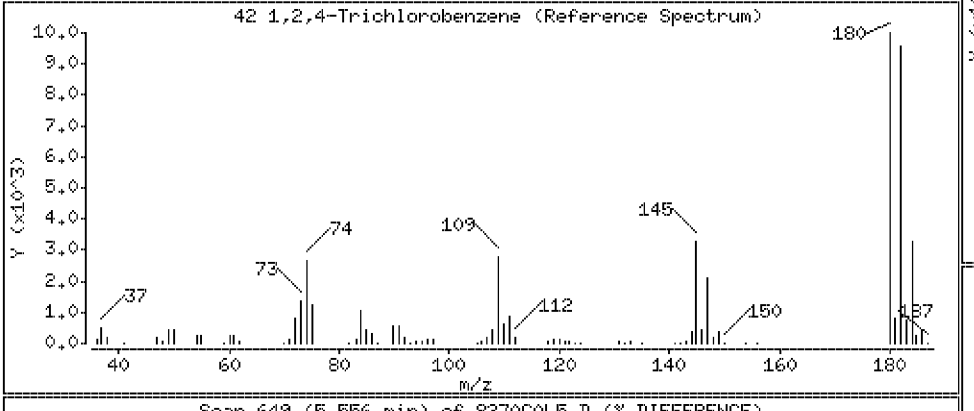
Concentration: 60.8 ug/l

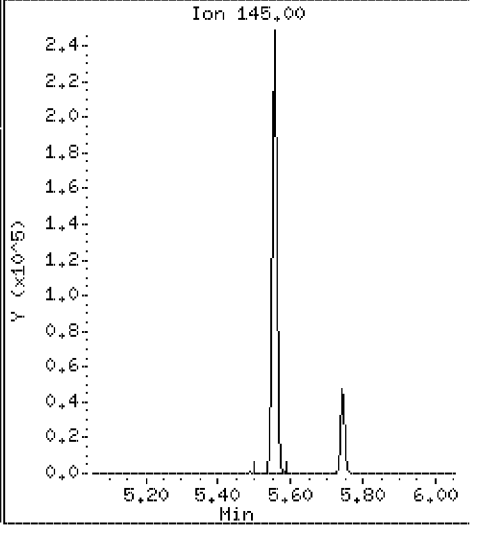


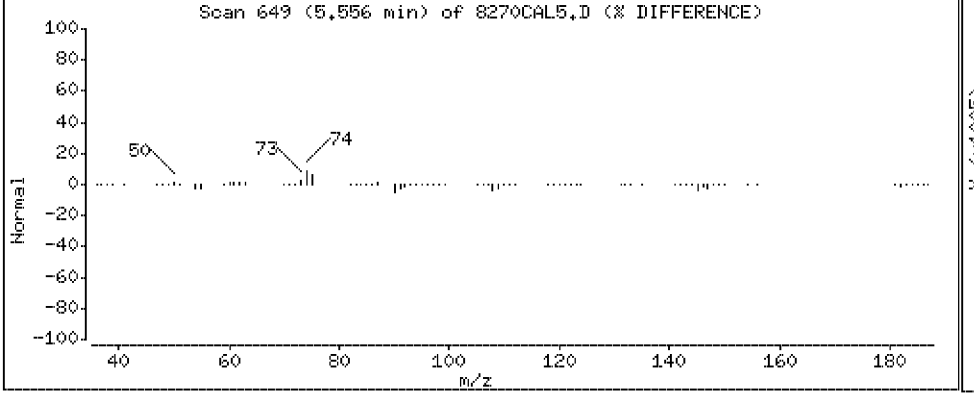












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

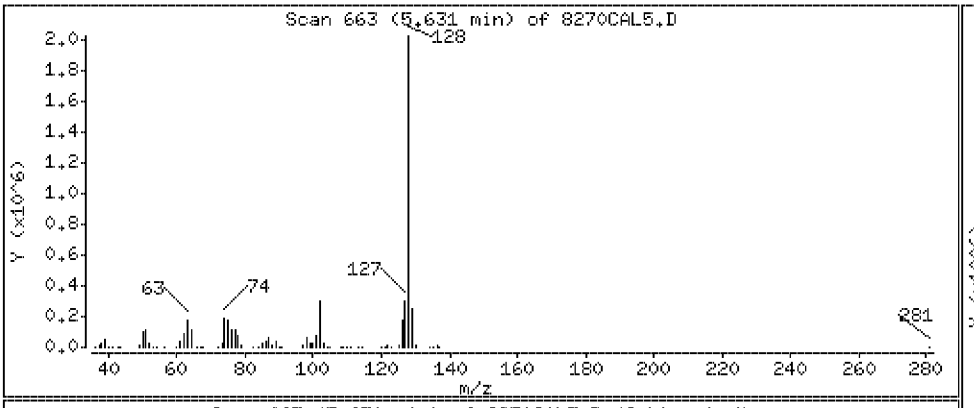
Operator: PEL

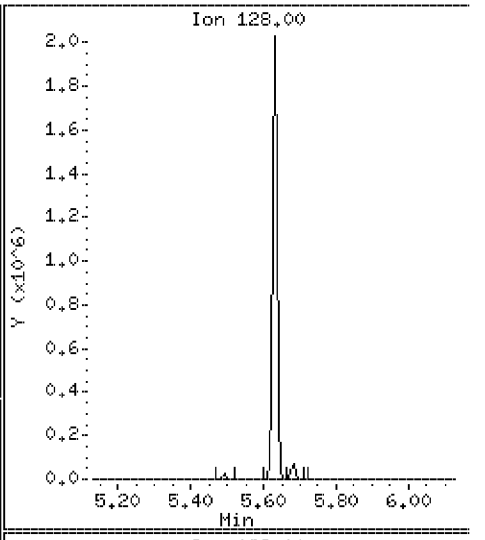
Column phase: HPMS-5

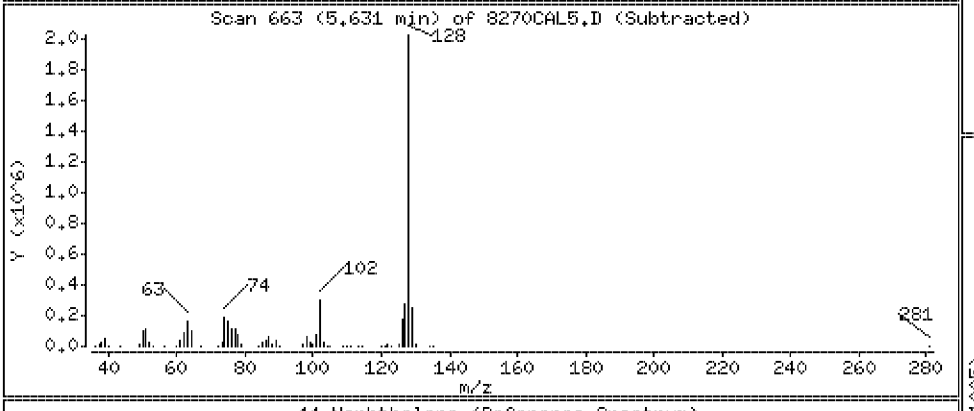
Column diameter: 0.25

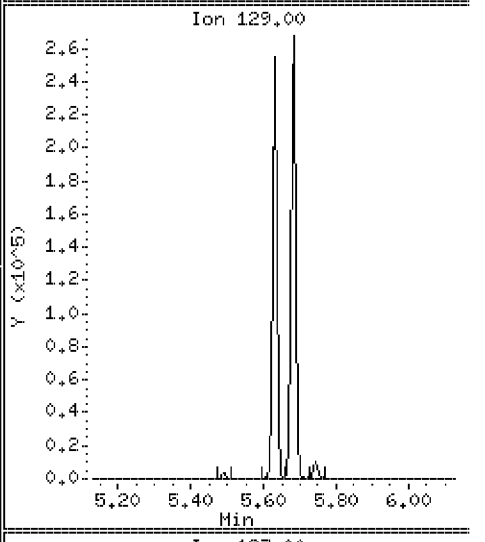
44 Naphthalene

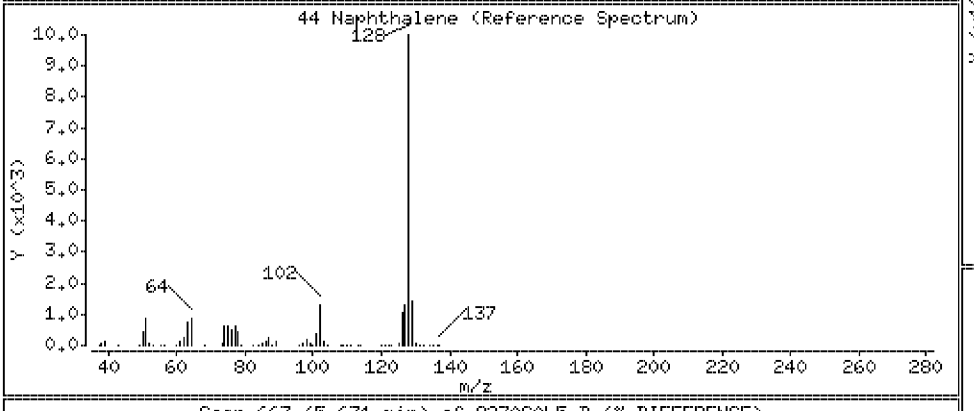
Concentration: 60.2 ug/l

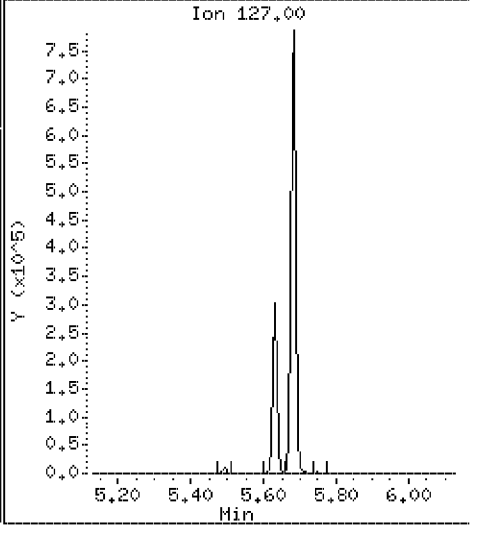


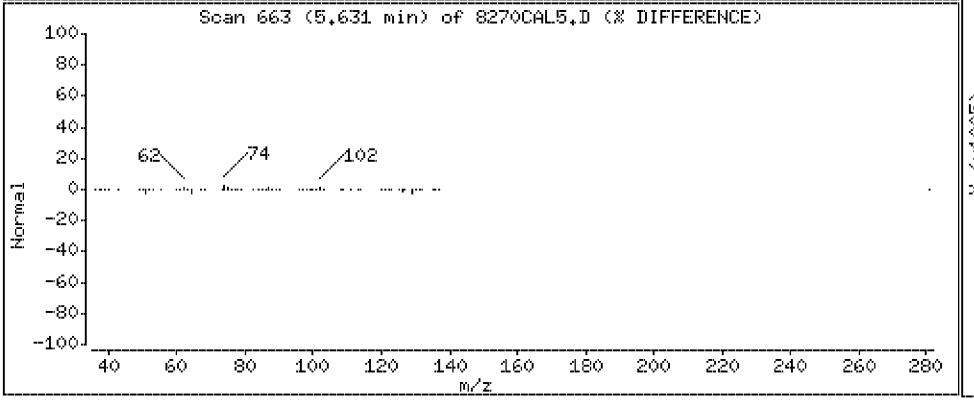












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

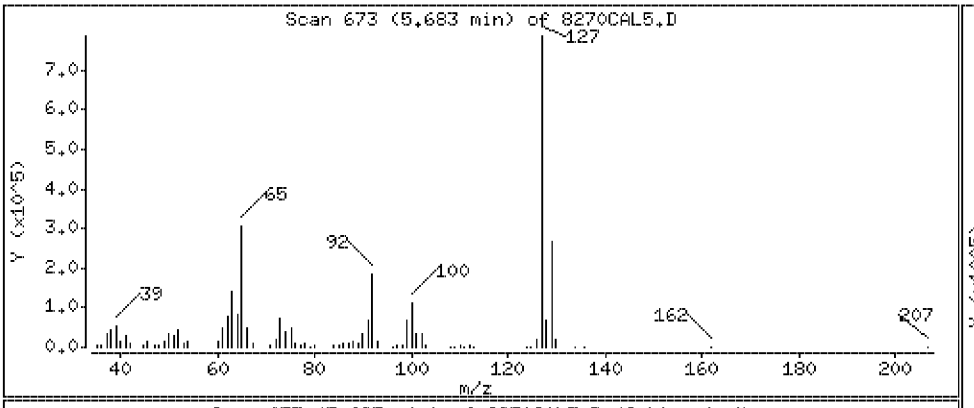
Operator: PEL

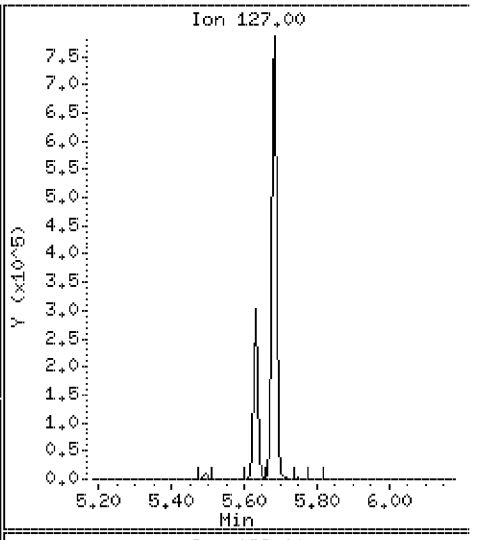
Column phase: HPMS-5

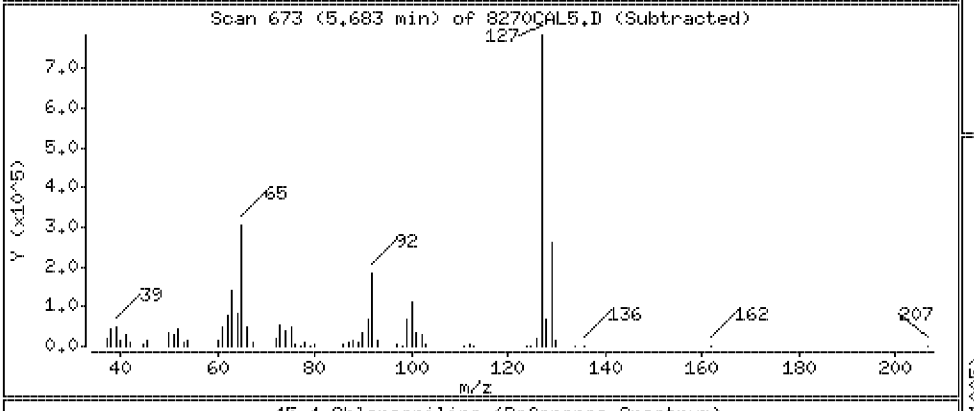
Column diameter: 0.25

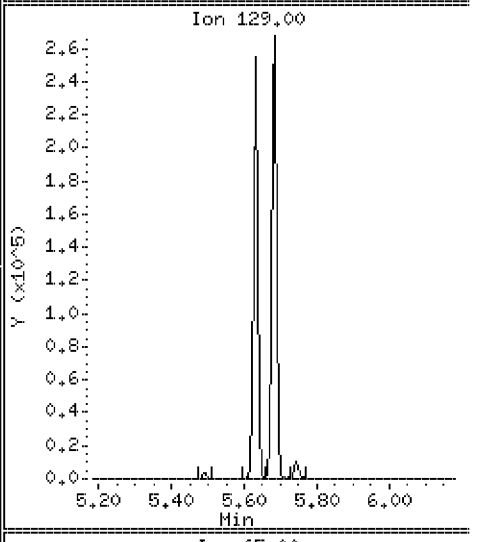
45 4-Chloroaniline

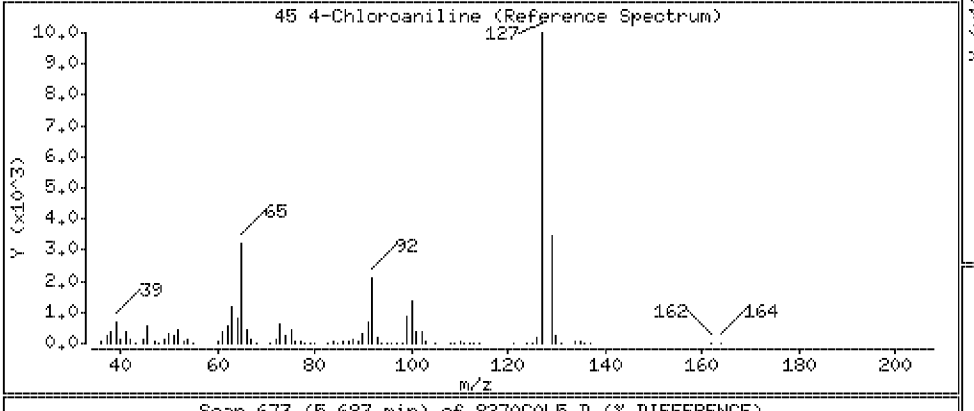
Concentration: 60.6 ug/l

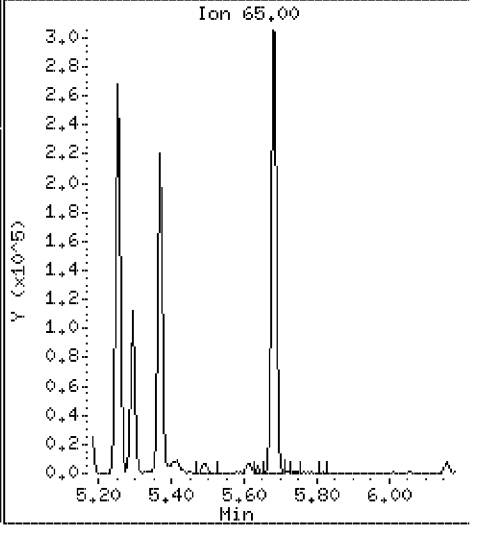


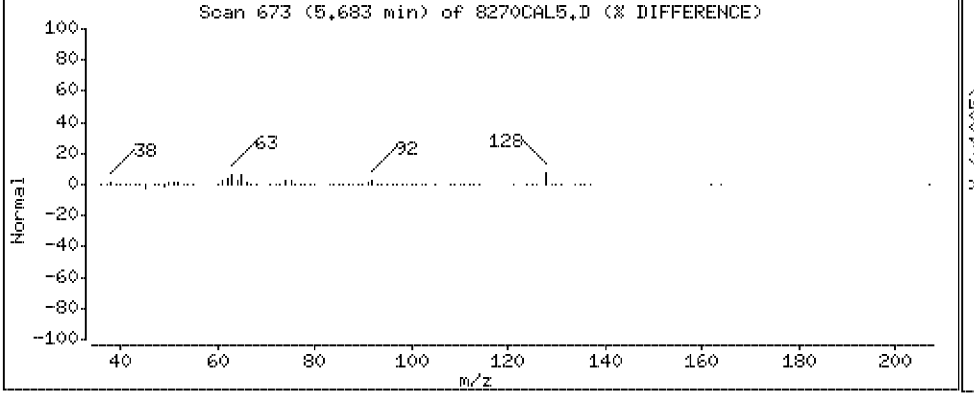












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

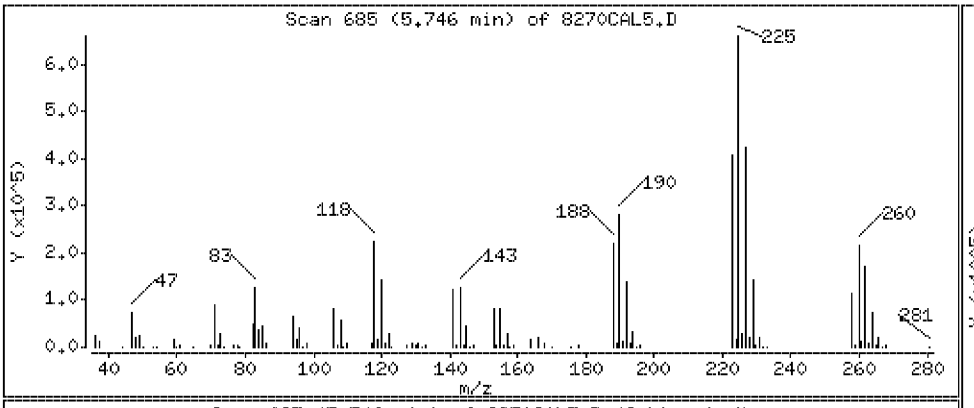
Operator: PEL

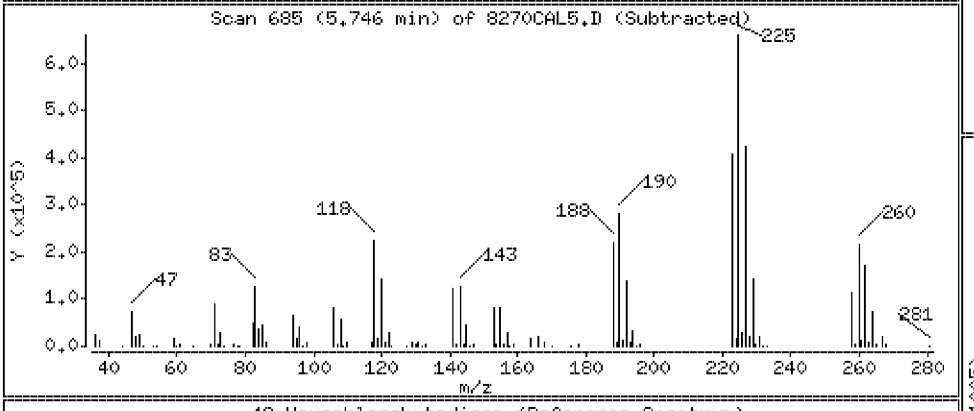
Column phase: HPMS-5

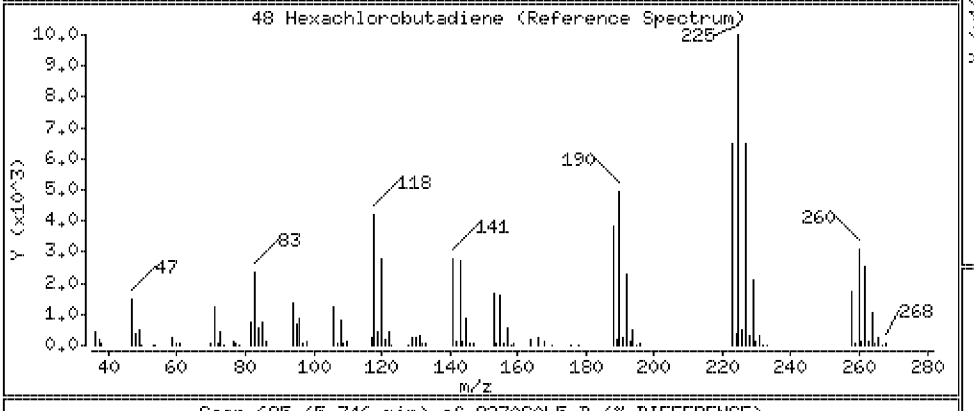
Column diameter: 0.25

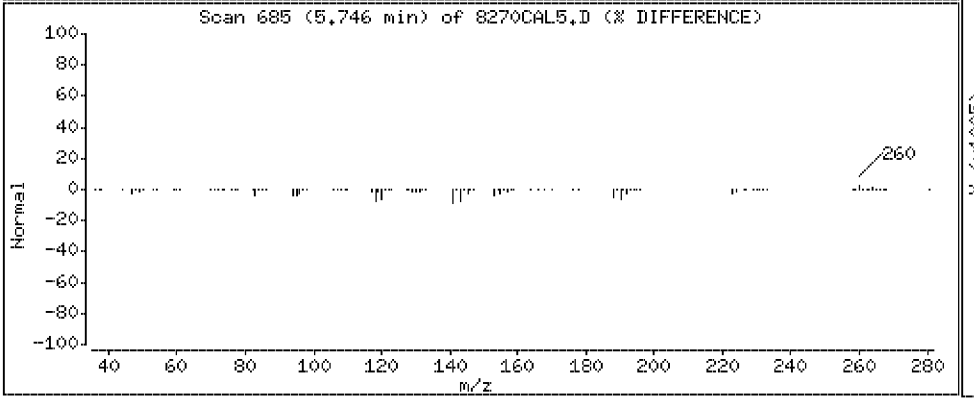
48 Hexachlorobutadiene

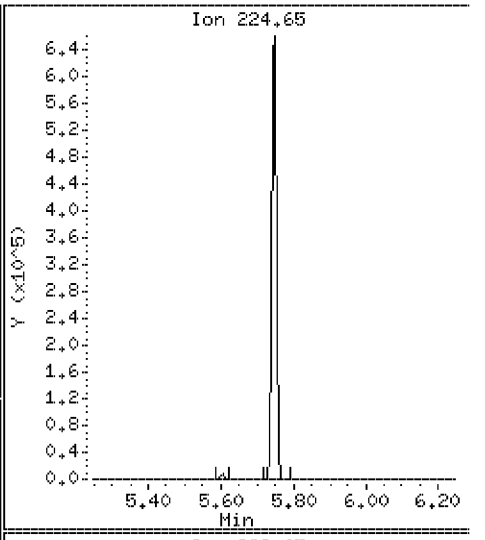
Concentration: 61.2 ug/l

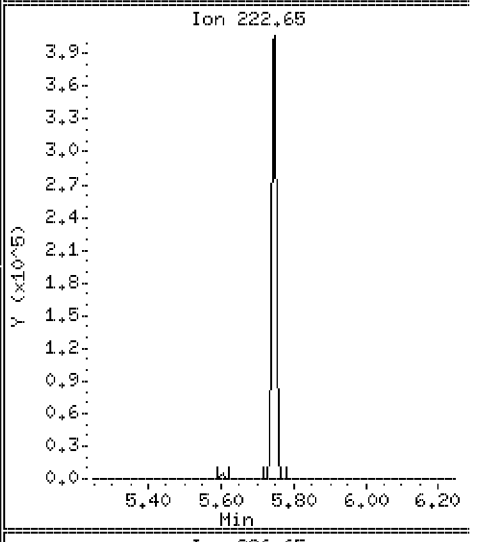


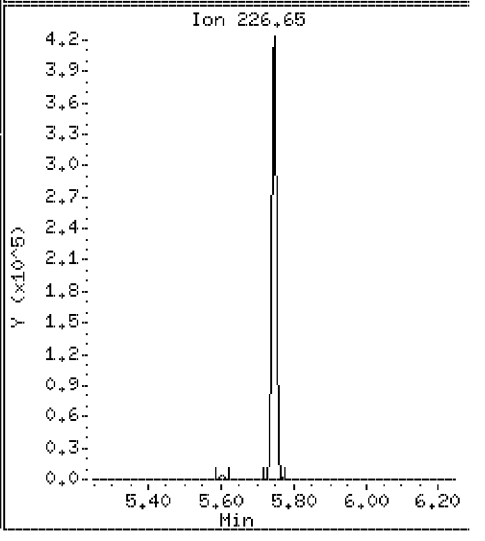












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

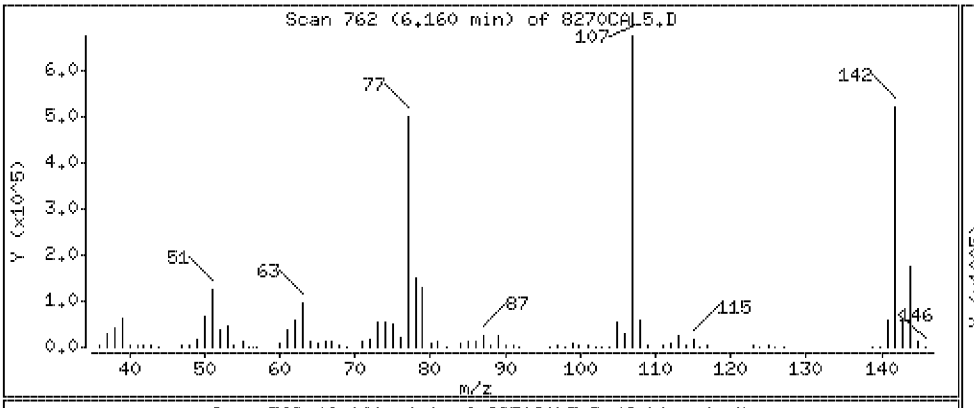
Operator: PEL

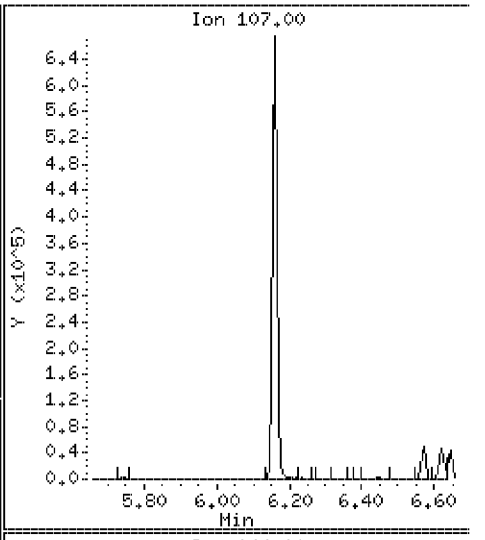
Column phase: HPMS-5

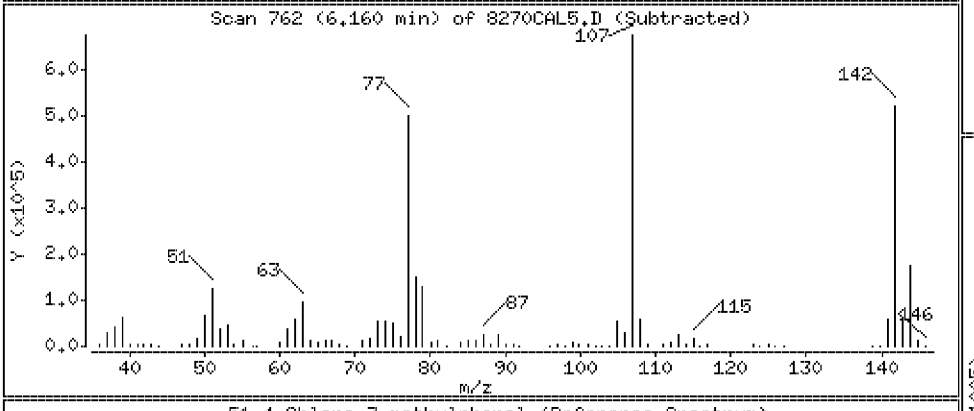
Column diameter: 0.25

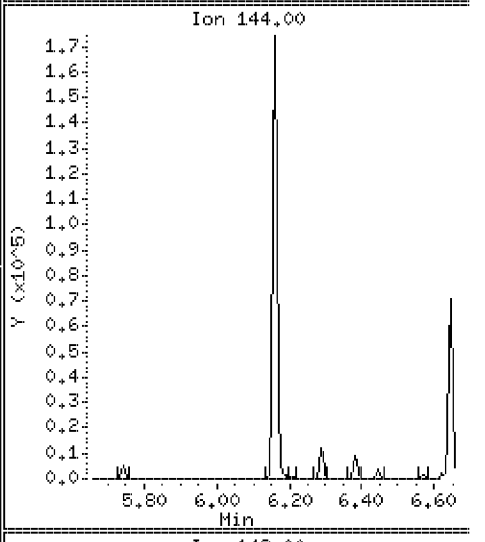
51 4-Chloro-3-methylphenol

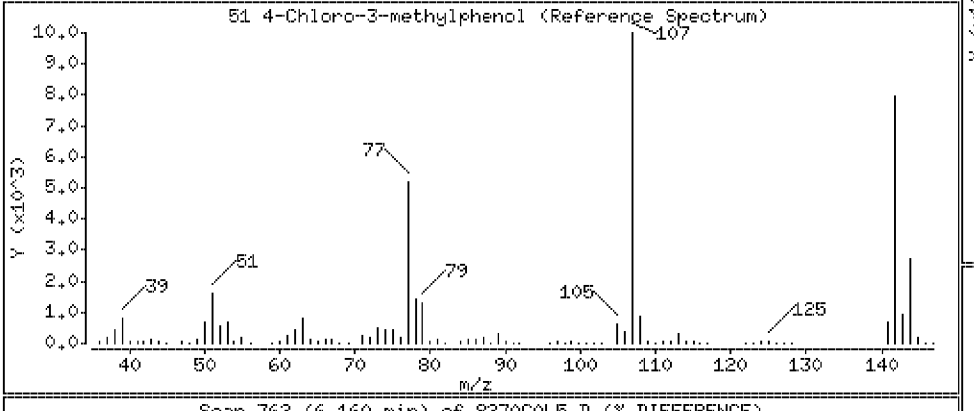
Concentration: 60.9 ug/l

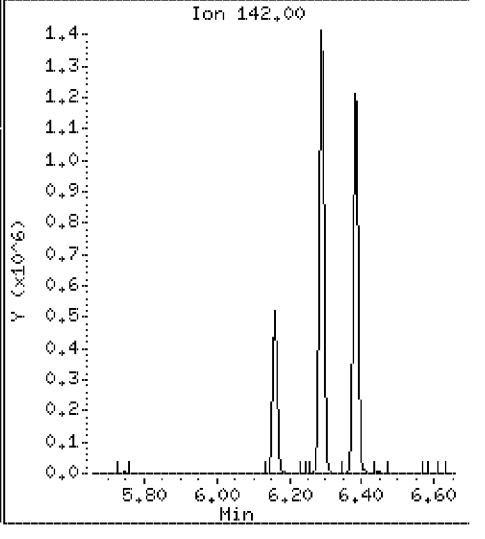


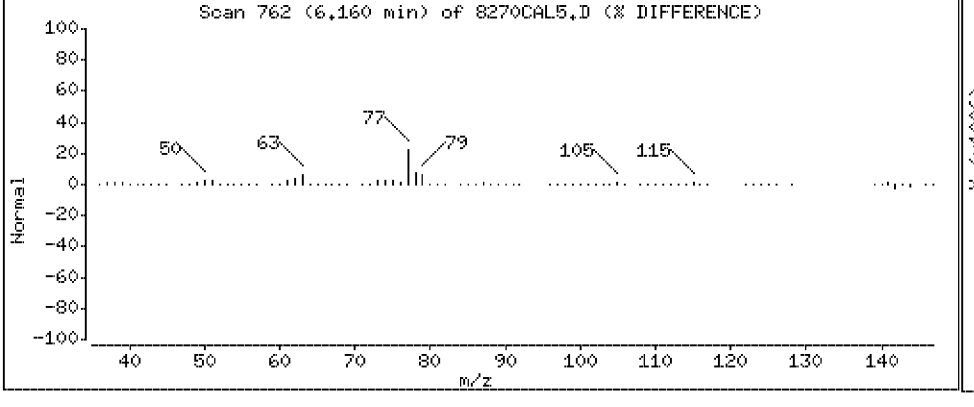












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

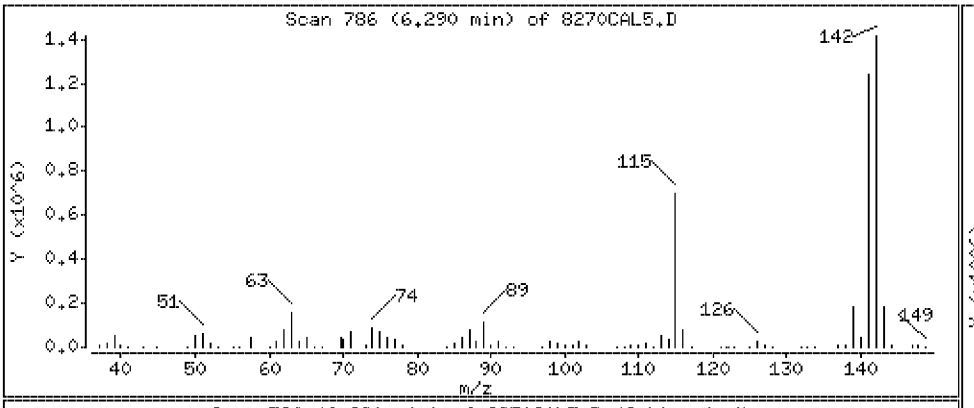
Operator: PEL

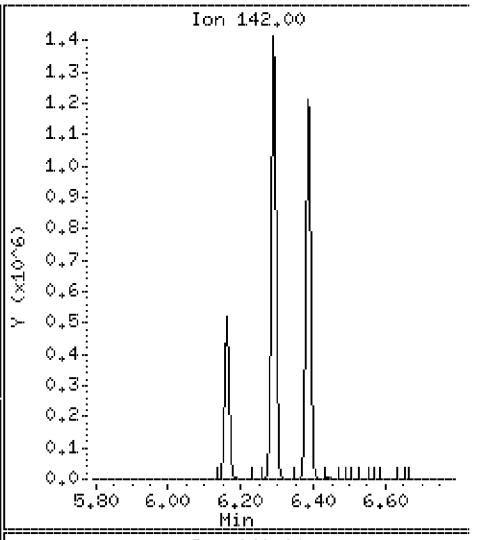
Column phase: HPMS-5

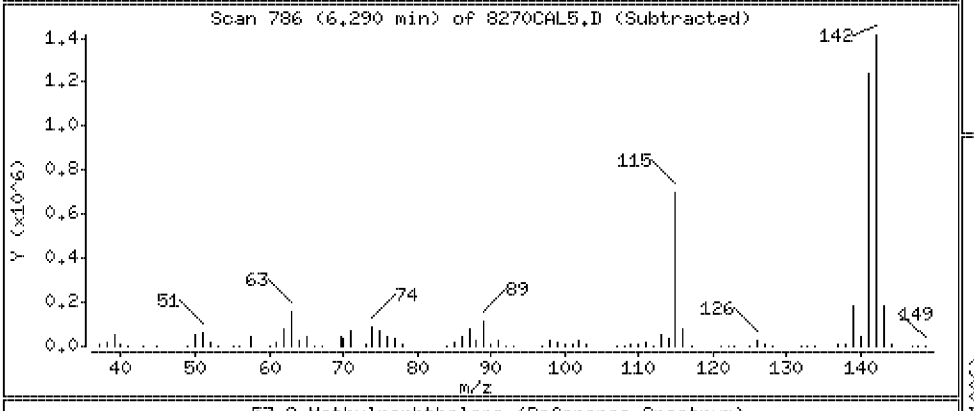
Column diameter: 0.25

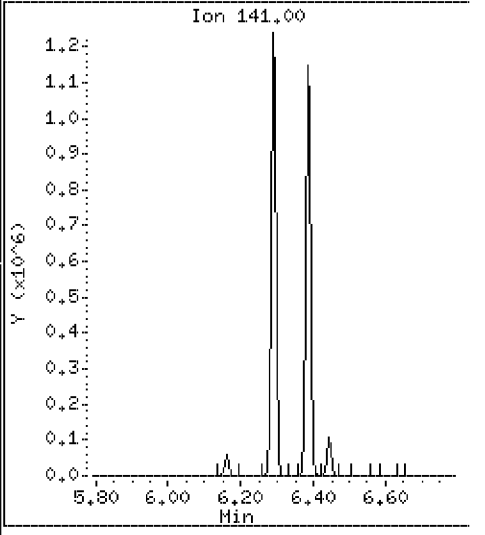
53 2-Methylnaphthalene

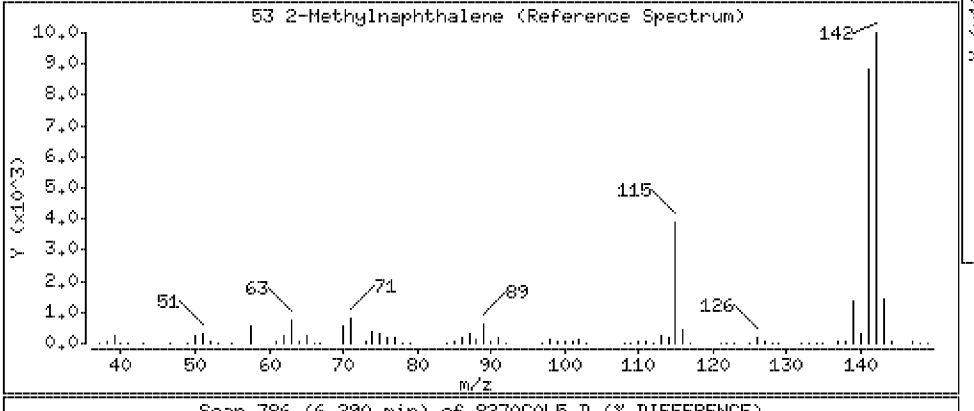
Concentration: 60.9 ug/l

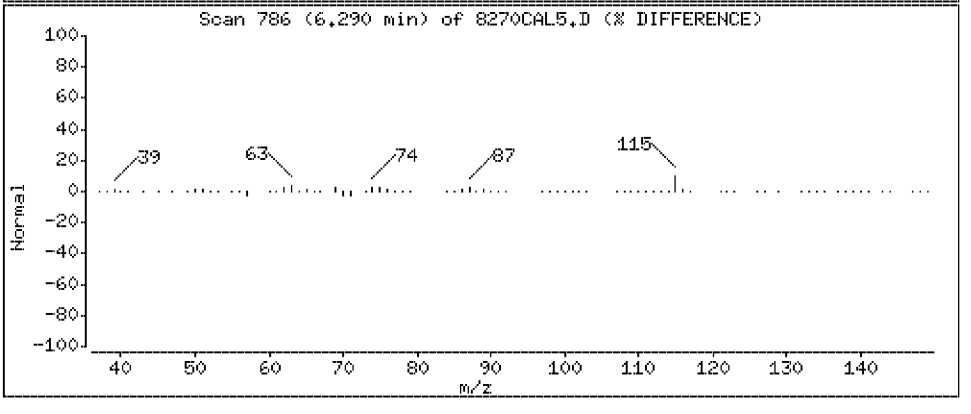












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

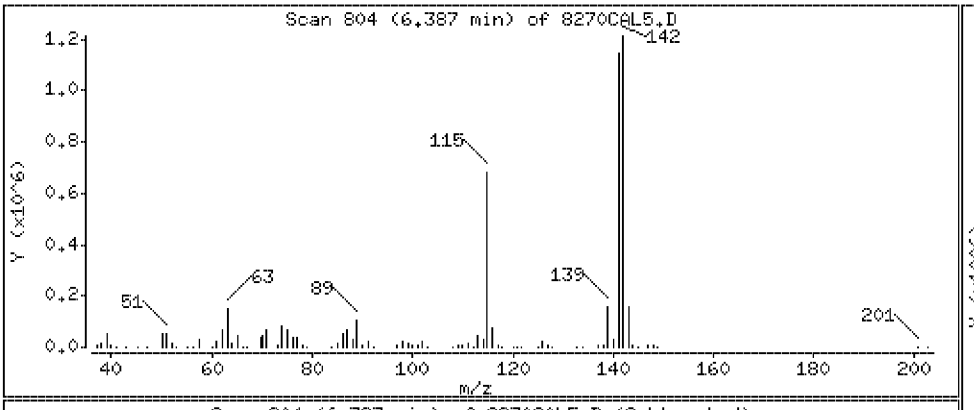
Operator: PEL

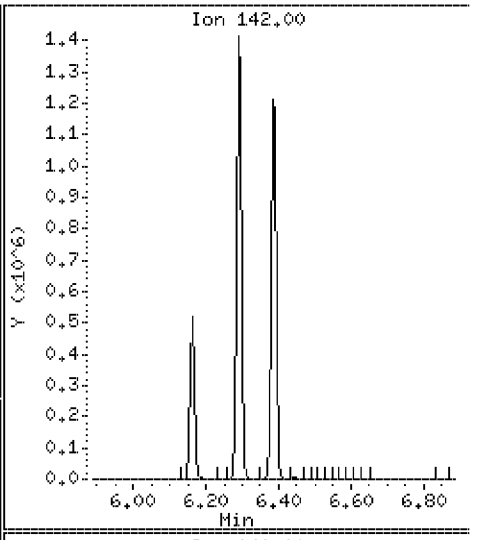
Column phase: HPMS-5

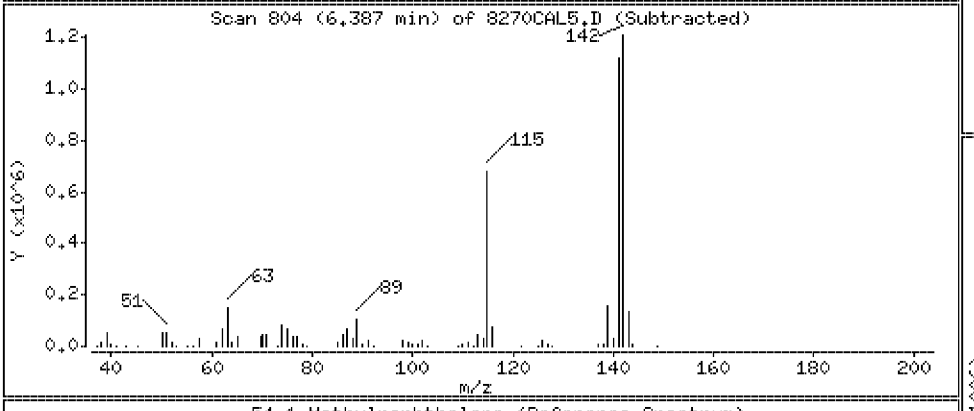
Column diameter: 0.25

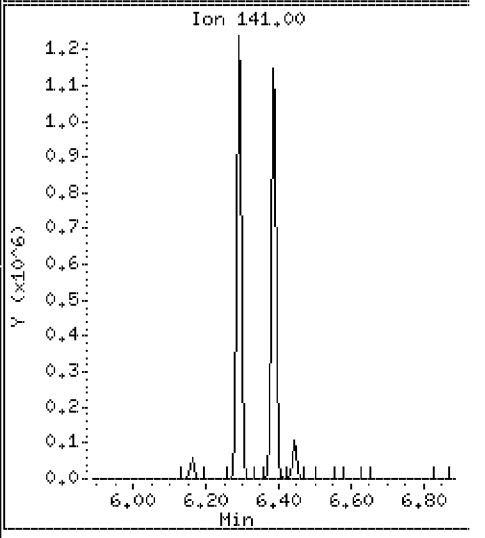
54 1-Methylnaphthalene

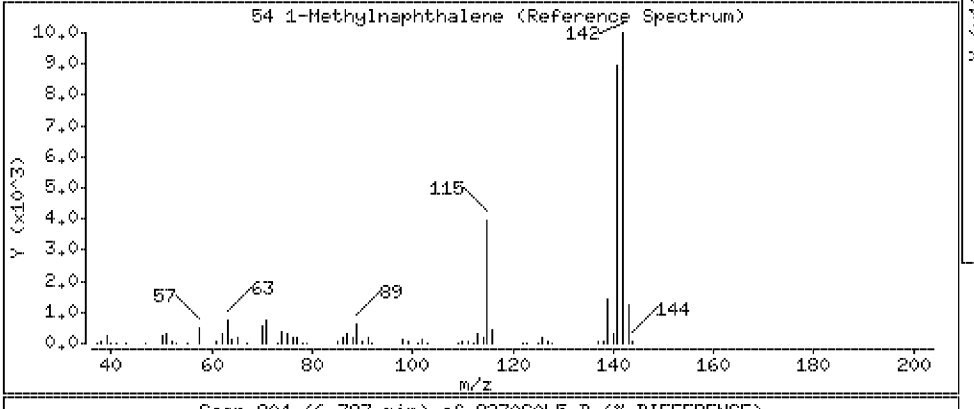
Concentration: 59.9 ug/l

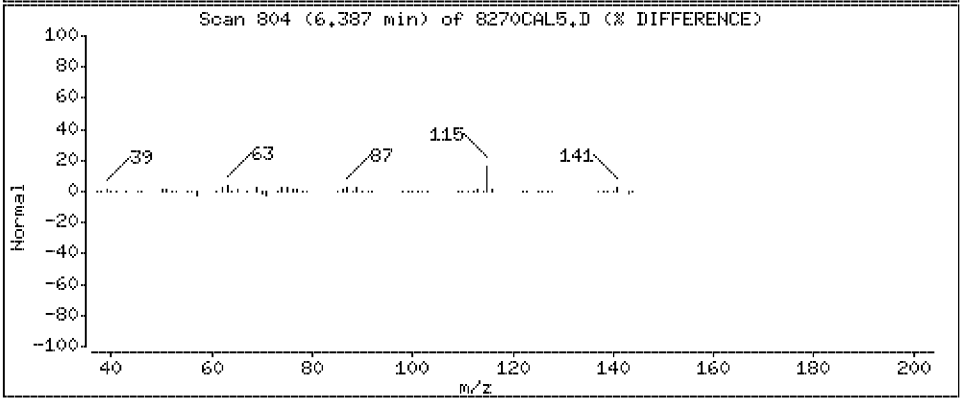












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

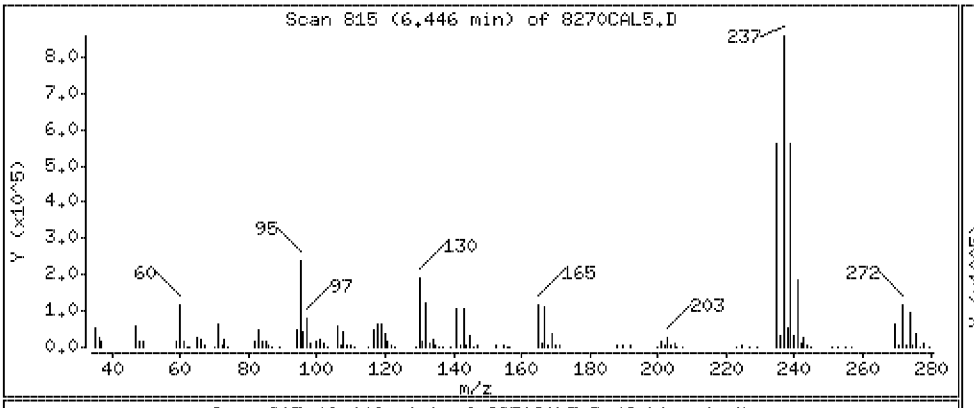
Operator: PEL

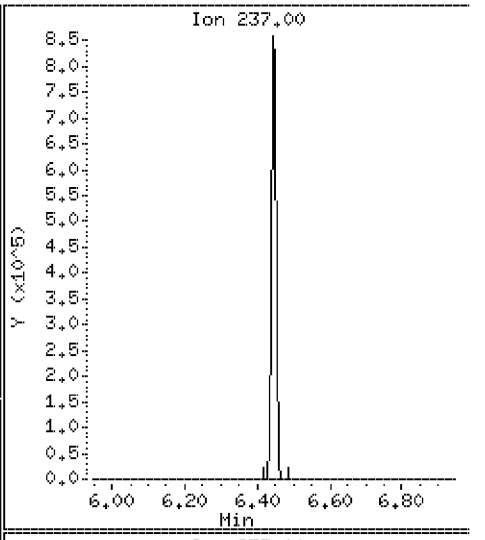
Column phase: HPMS-5

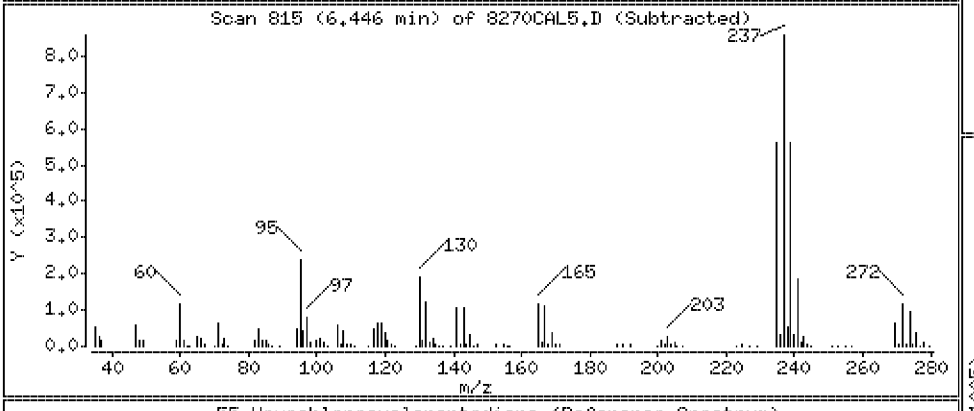
Column diameter: 0.25

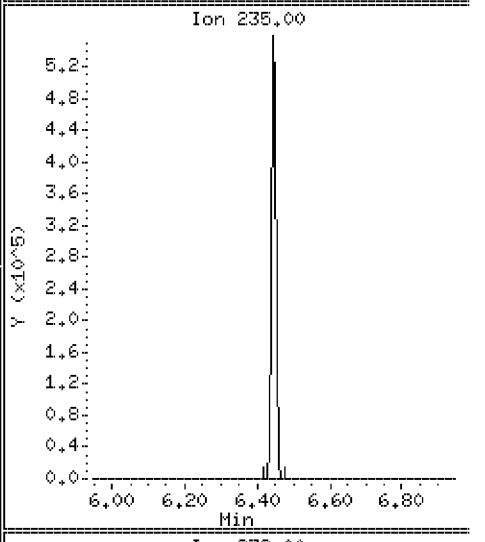
55 Hexachlorocyclopentadiene

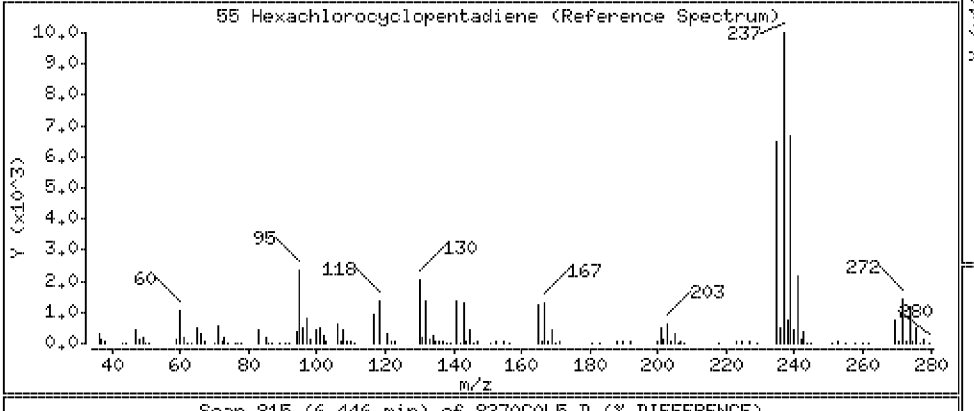
Concentration: 63.4 ug/l

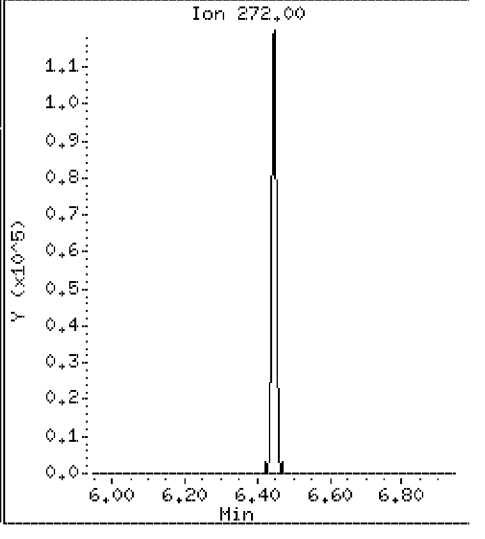


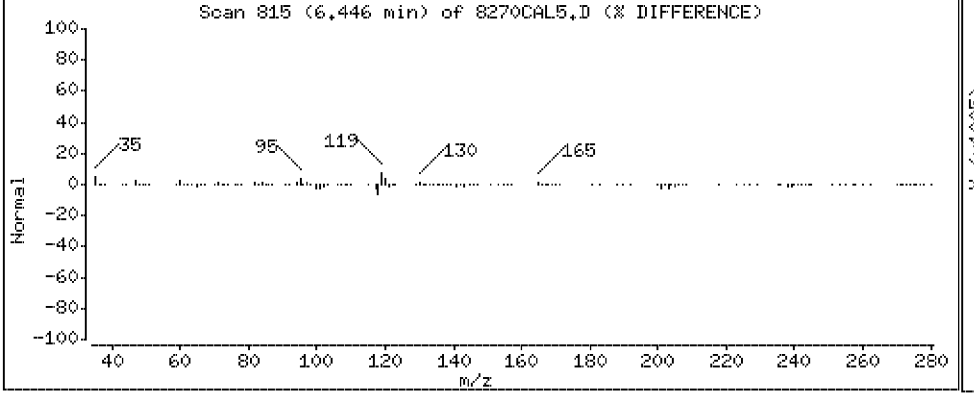












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

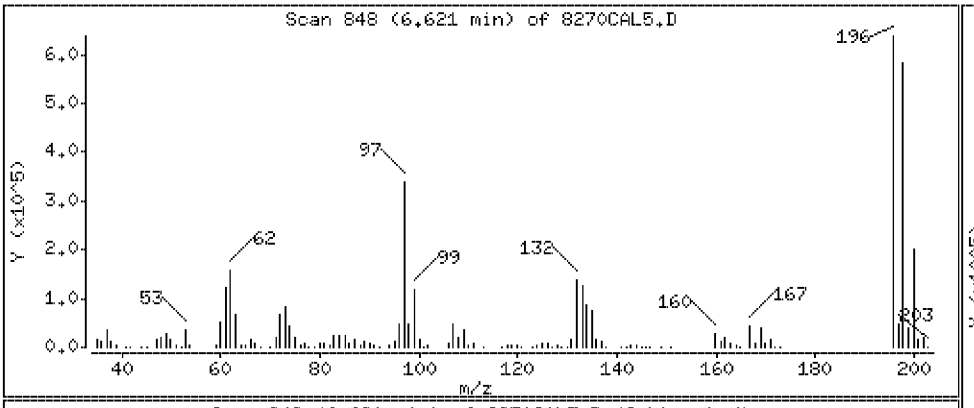
Operator: PEL

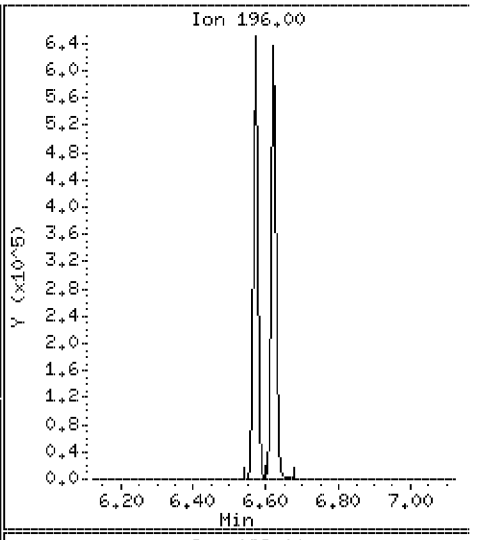
Column phase: HPMS-5

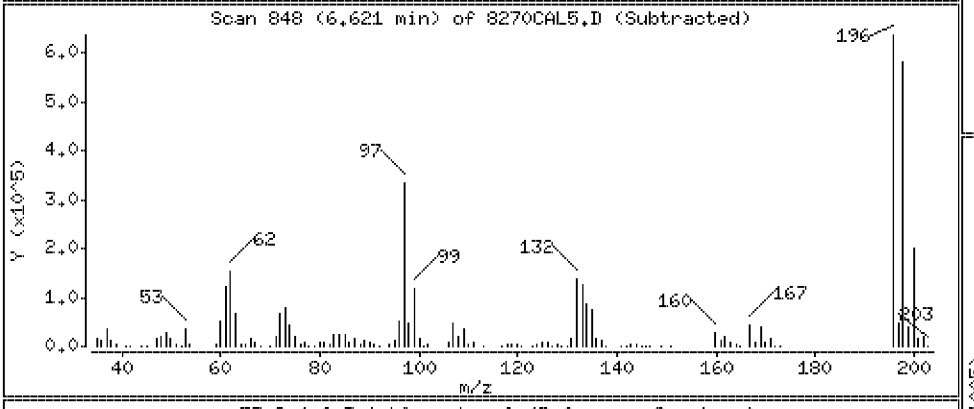
Column diameter: 0.25

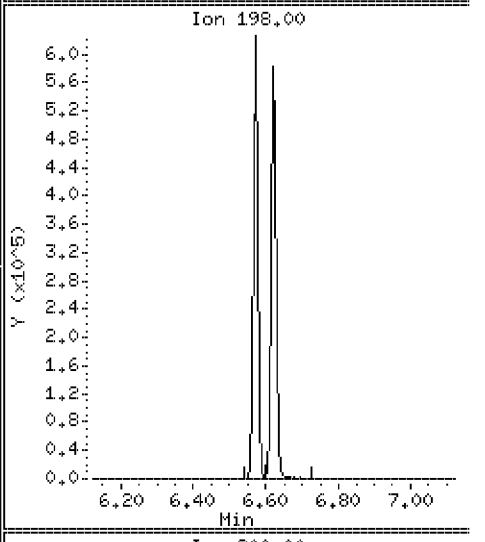
57 2,4,6-Trichlorophenol

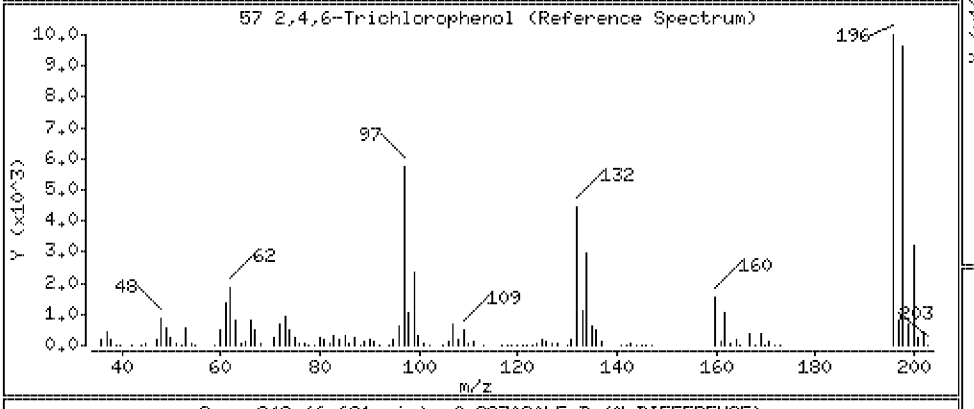
Concentration: 63.3 ug/l

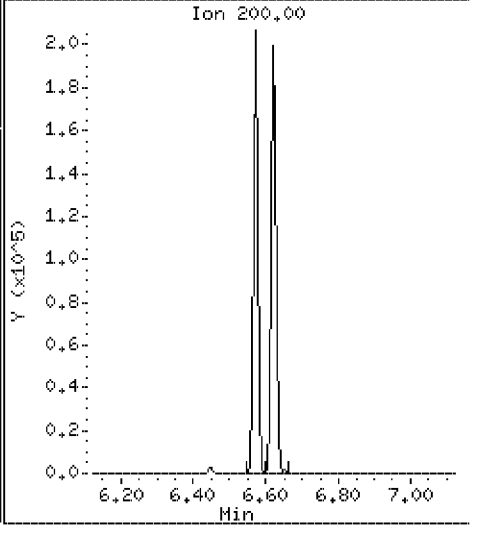


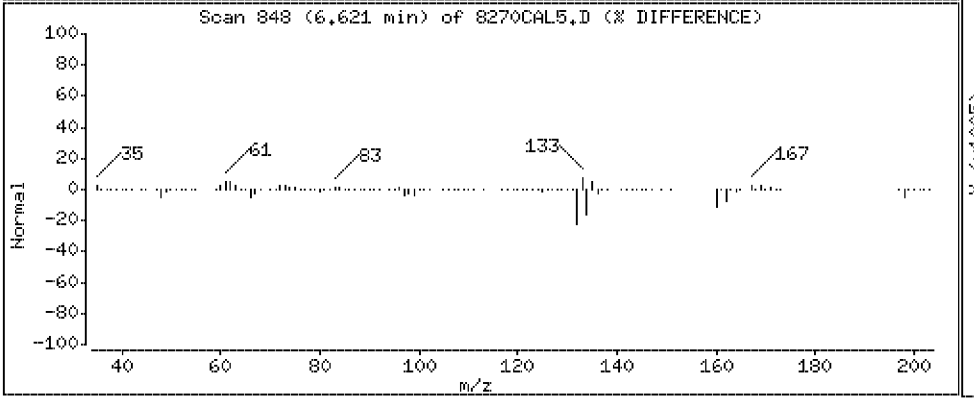












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

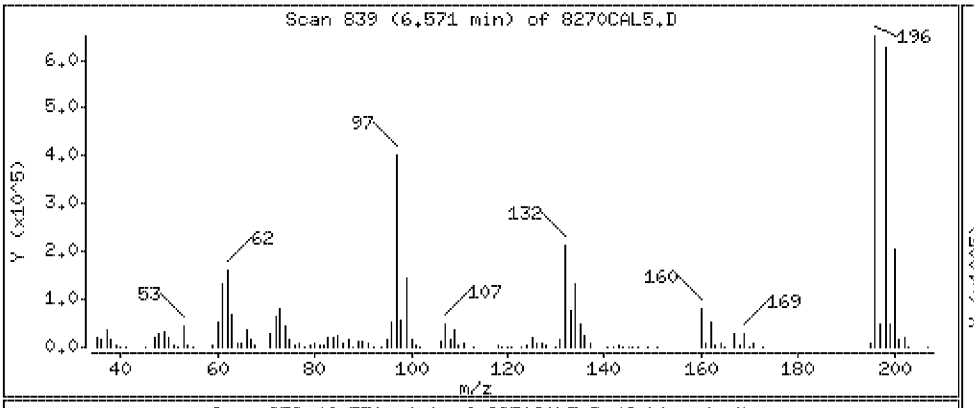
Operator: PEL

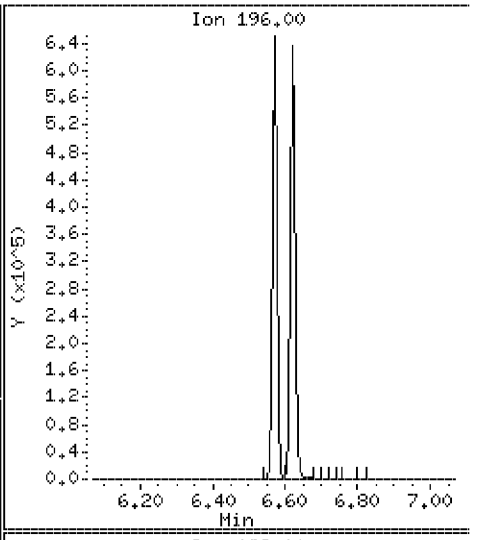
Column phase: HPMS-5

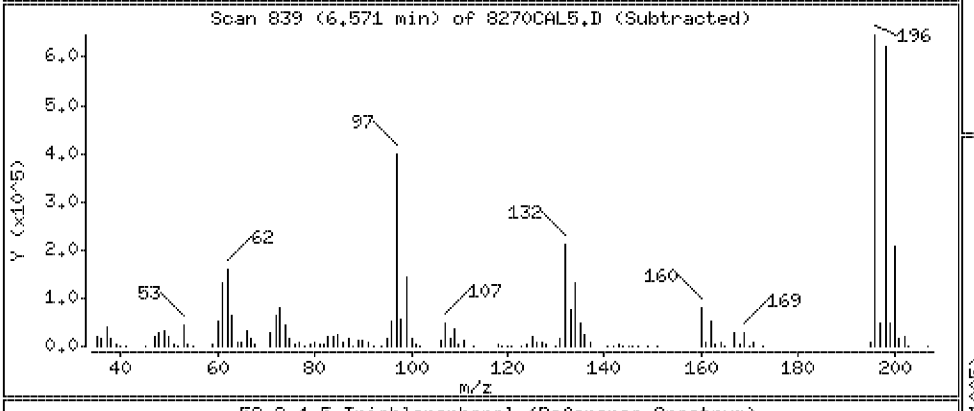
Column diameter: 0.25

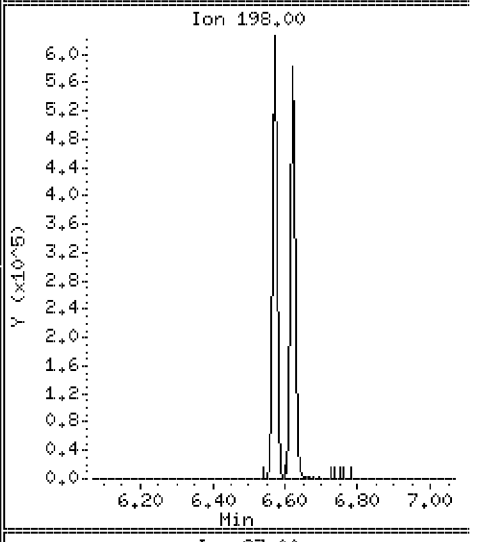
58 2,4,5-Trichlorophenol

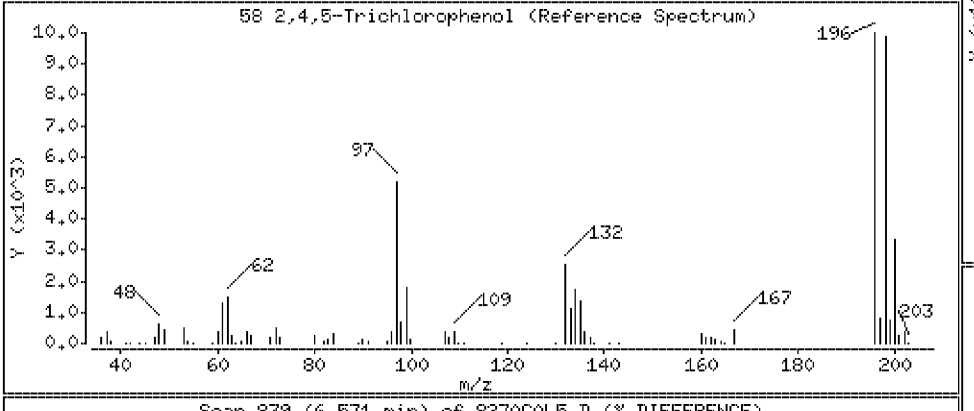
Concentration: 62.9 ug/l

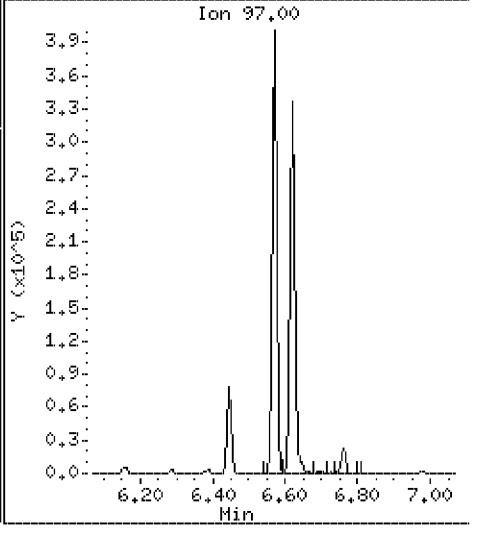


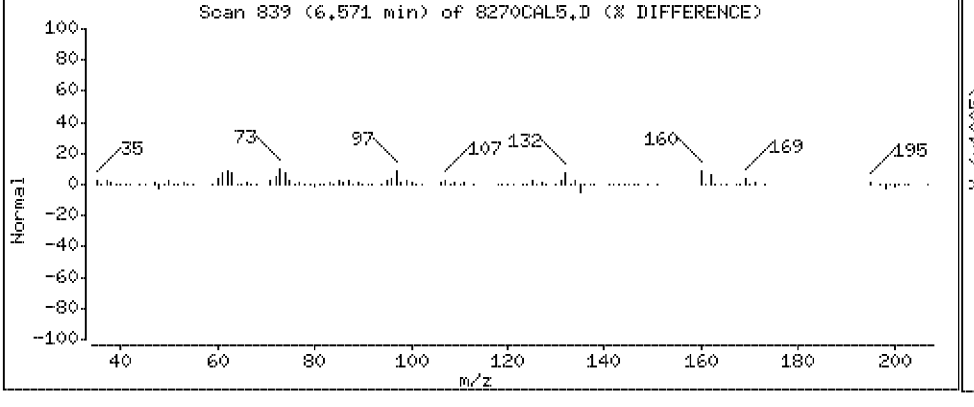












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

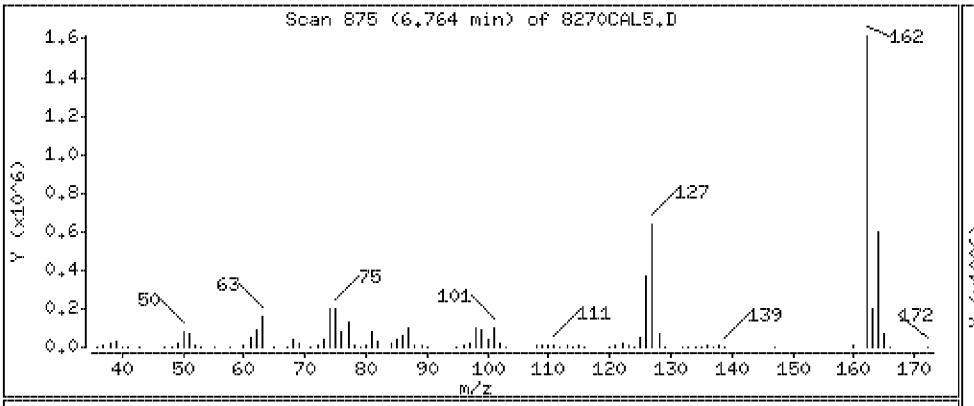
Operator: PEL

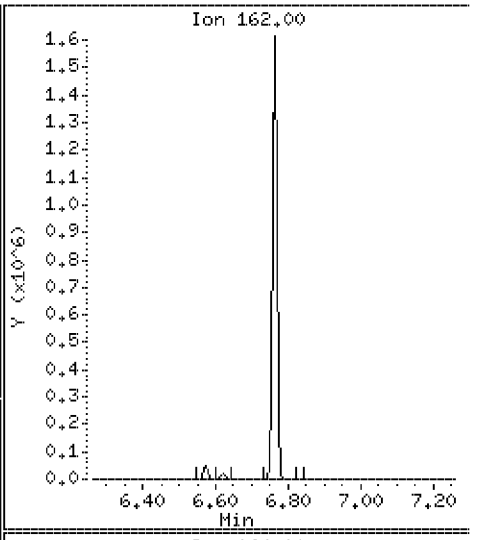
Column phase: HPMS-5

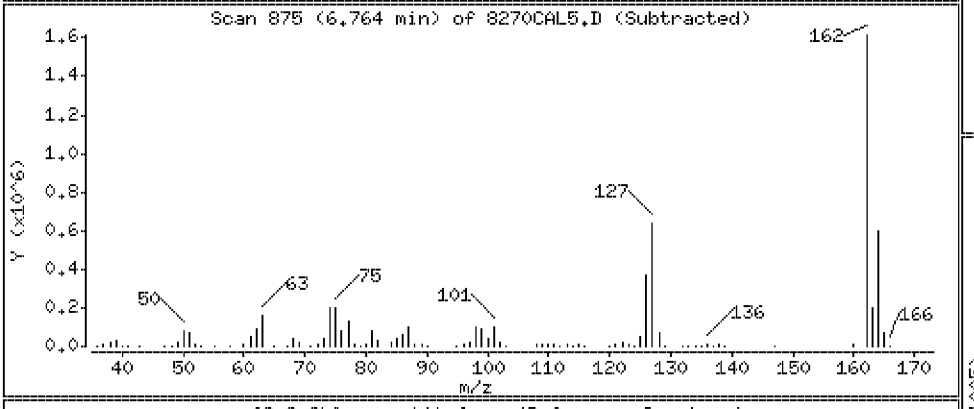
Column diameter: 0.25

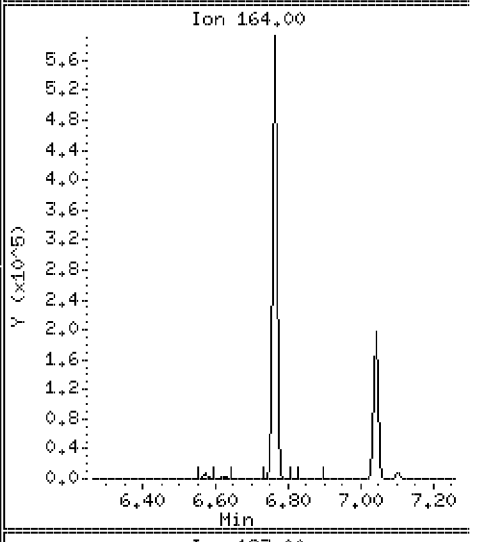
62 2-Chloronaphthalene

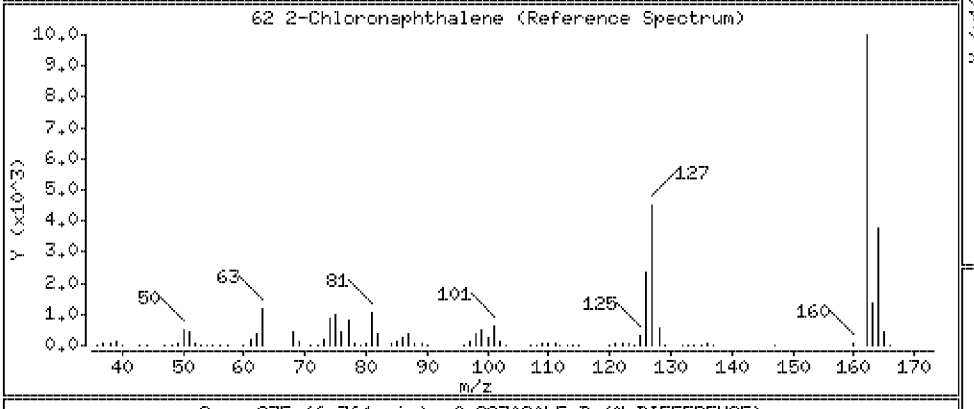
Concentration: 61.7 ug/l

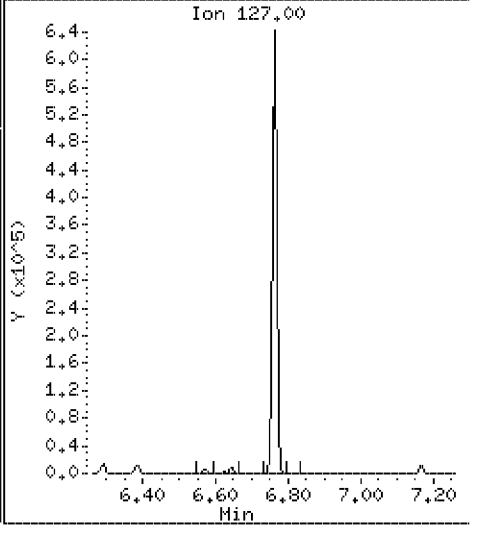


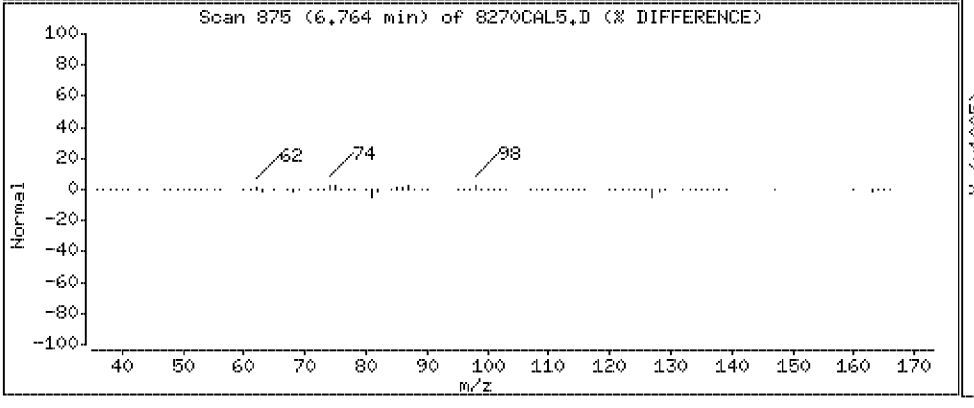












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

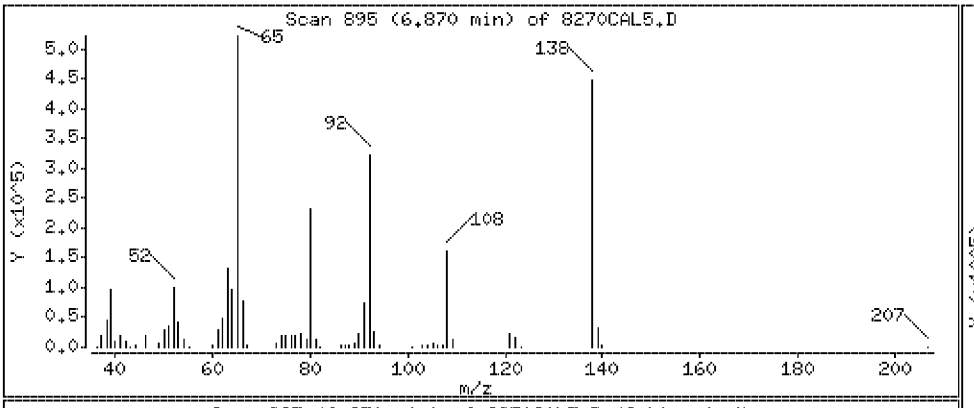
Operator: PEL

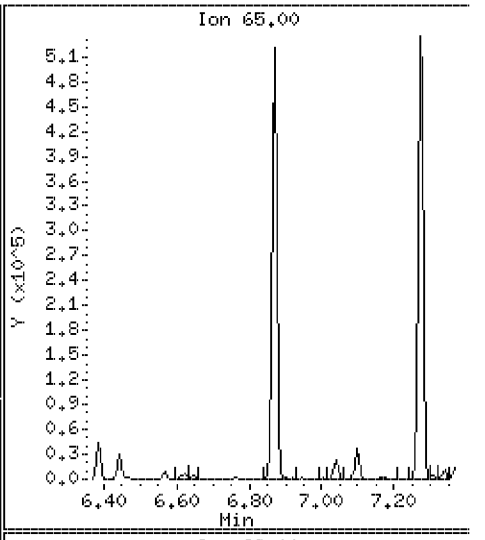
Column phase: HPMS-5

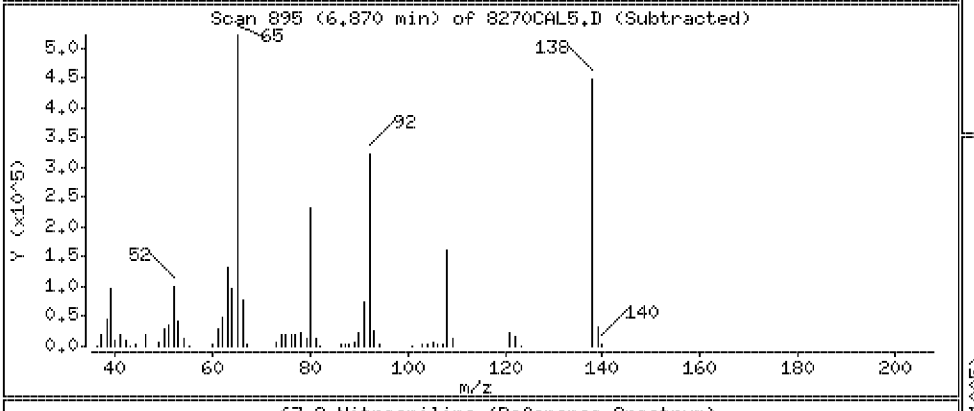
Column diameter: 0.25

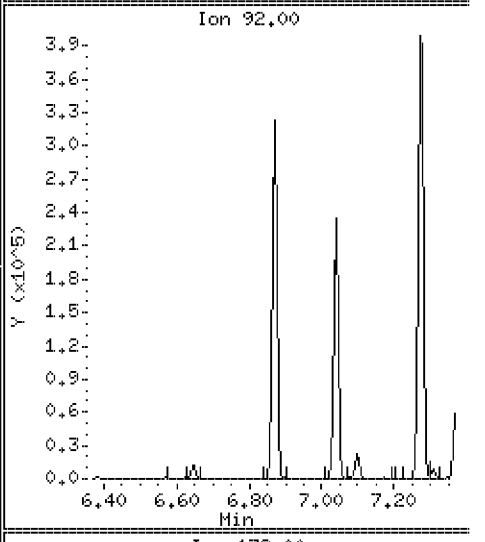
63 2-Nitroaniline

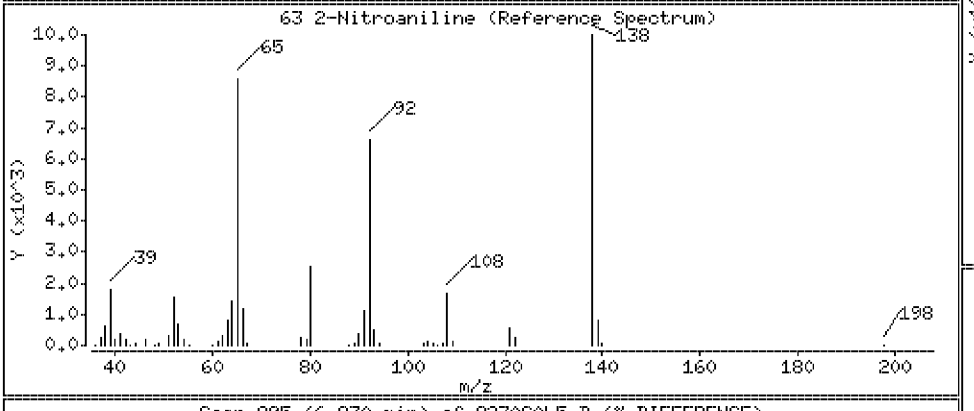
Concentration: 62.6 ug/l

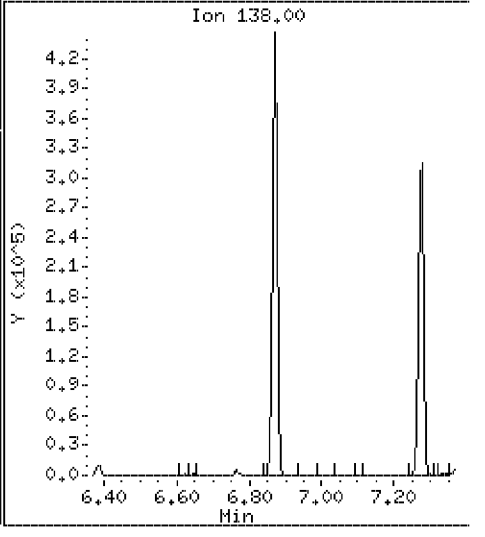


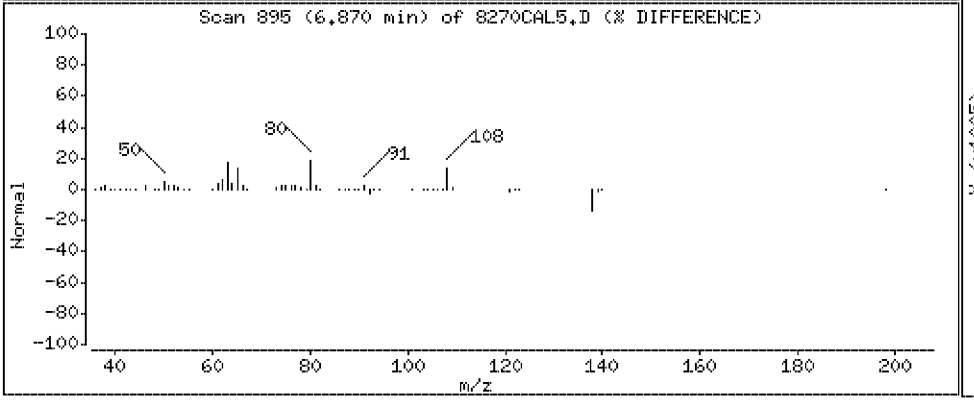












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

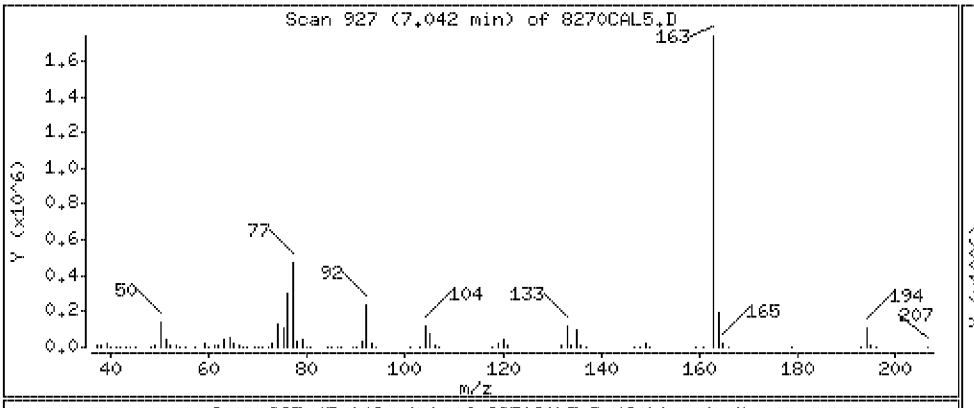
Operator: PEL

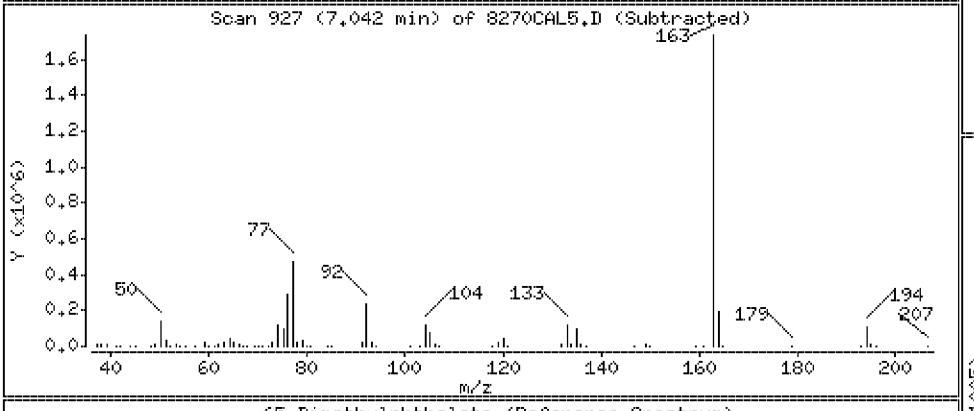
Column phase: HPMS-5

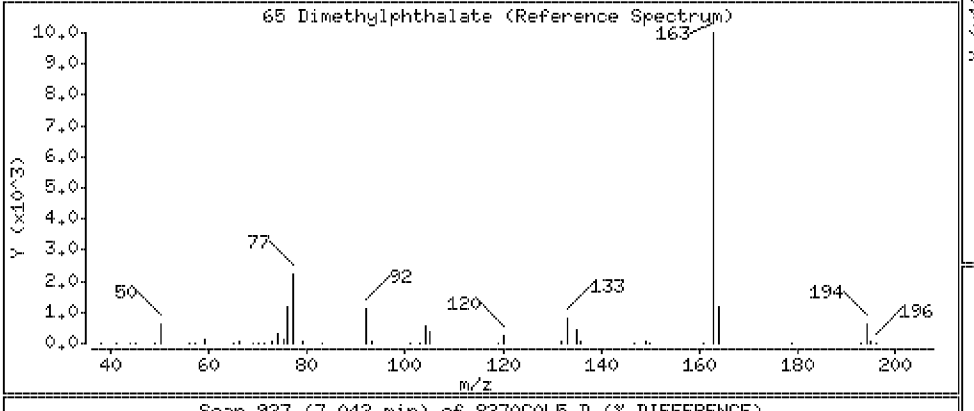
Column diameter: 0.25

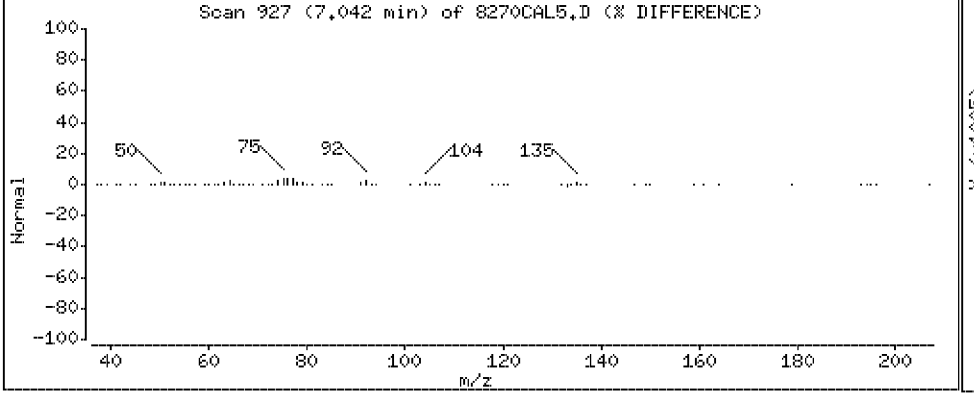
65 Dimethylphthalate

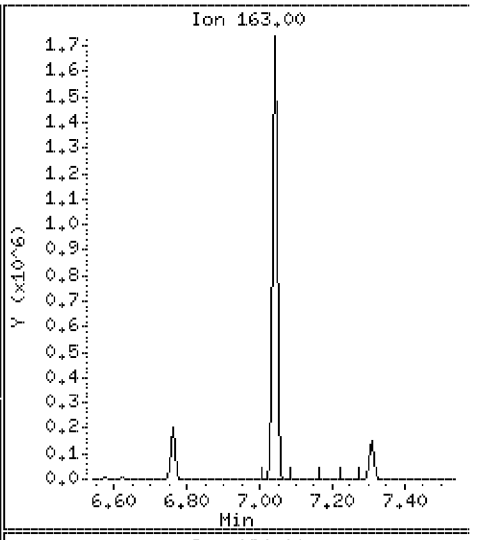
Concentration: 61.2 ug/l

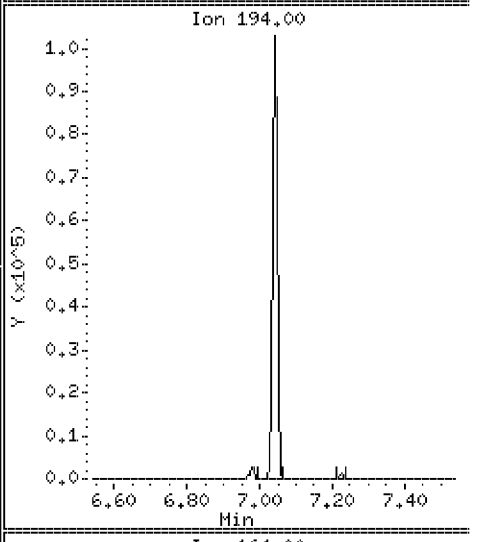


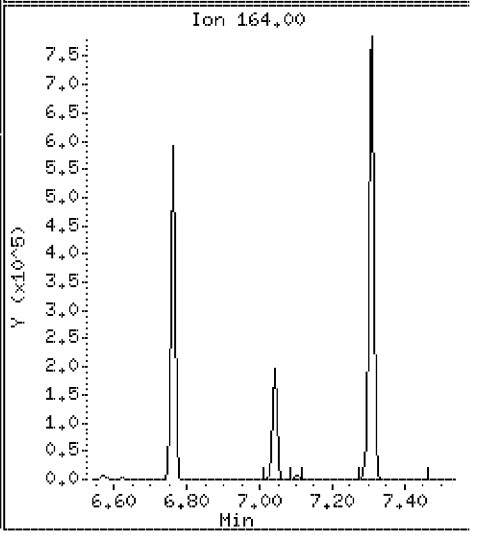












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

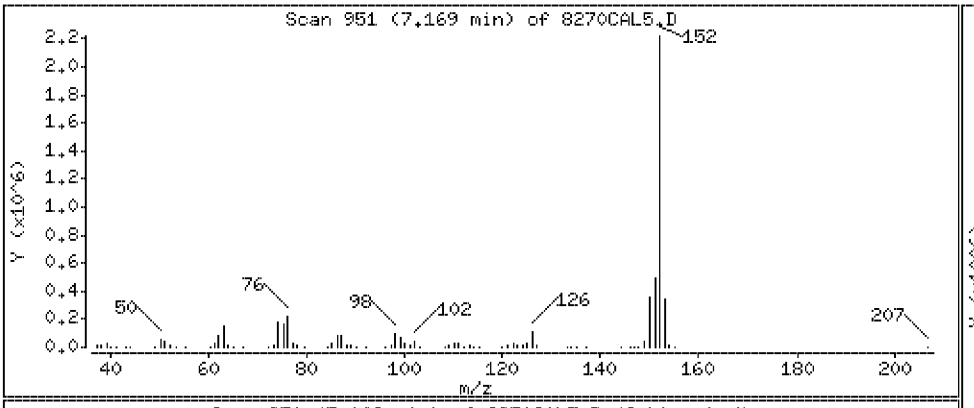
Operator: PEL

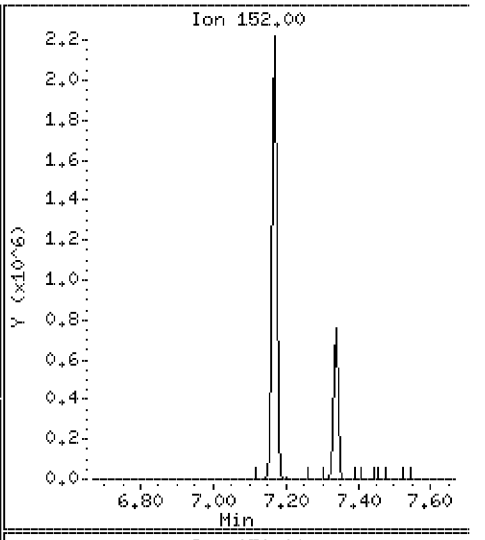
Column phase: HPMS-5

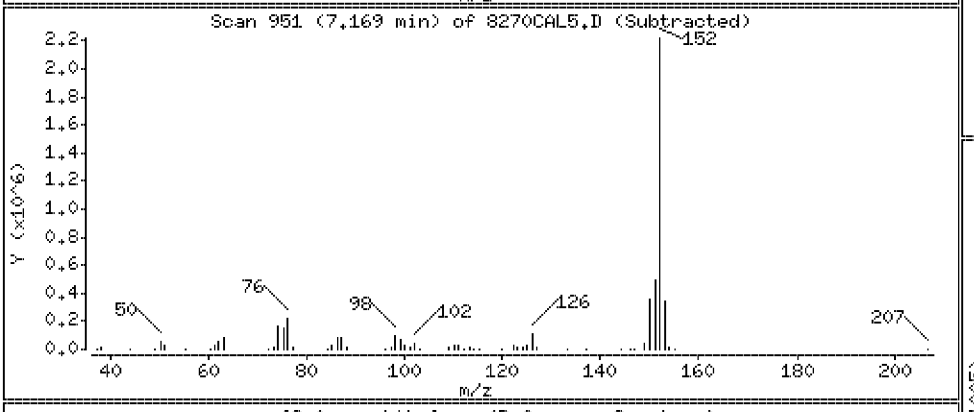
Column diameter: 0.25

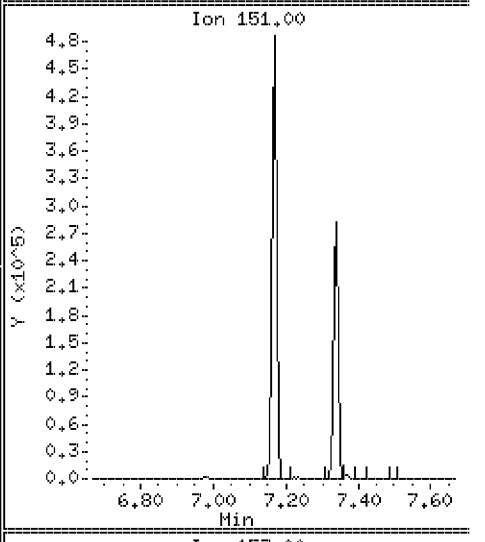
68 Acenaphthylene

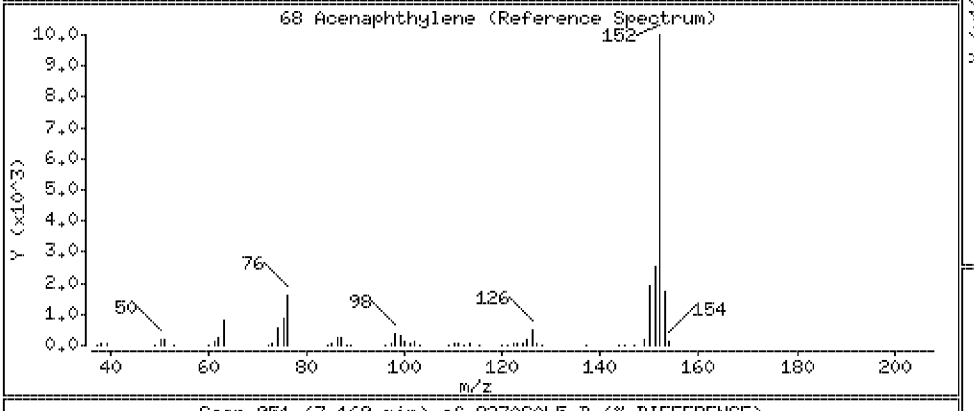
Concentration: 61.7 ug/l

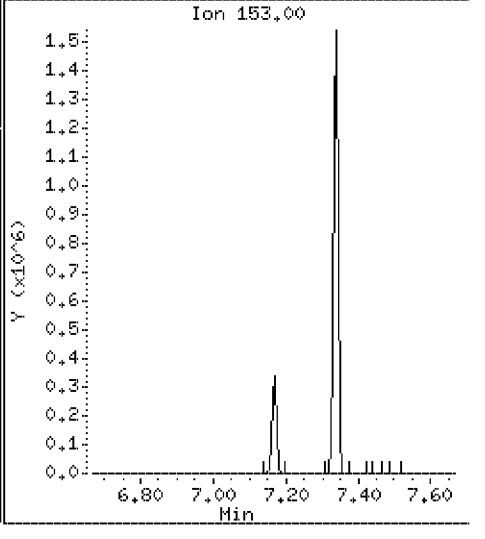


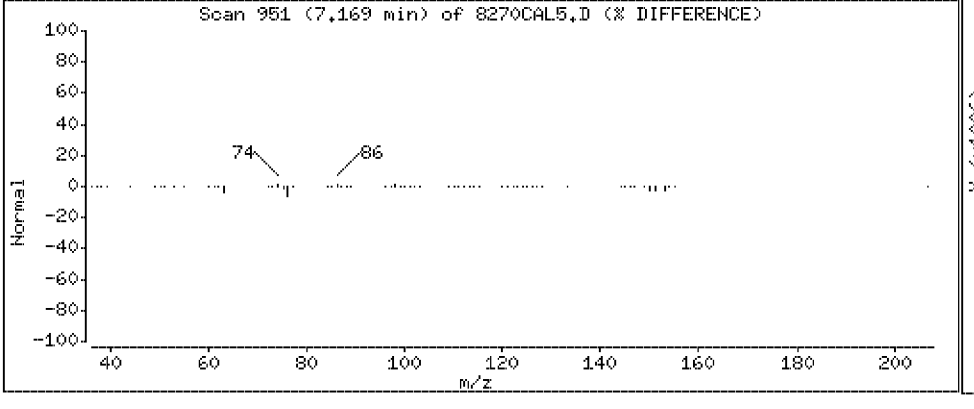












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

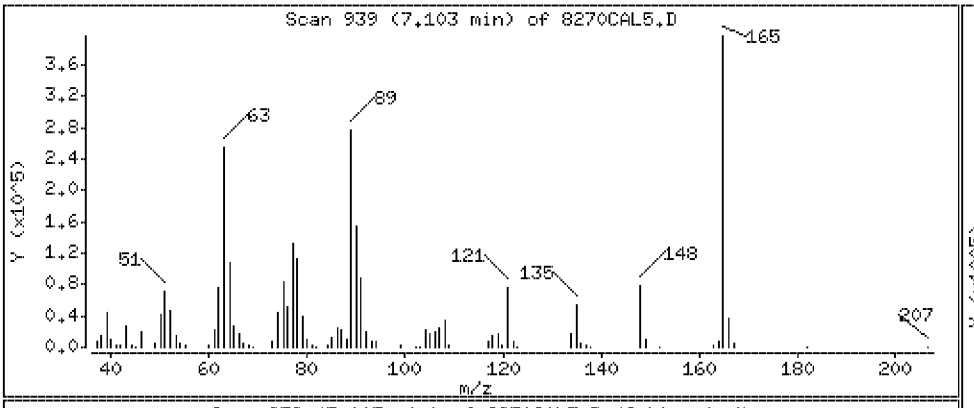
Operator: PEL

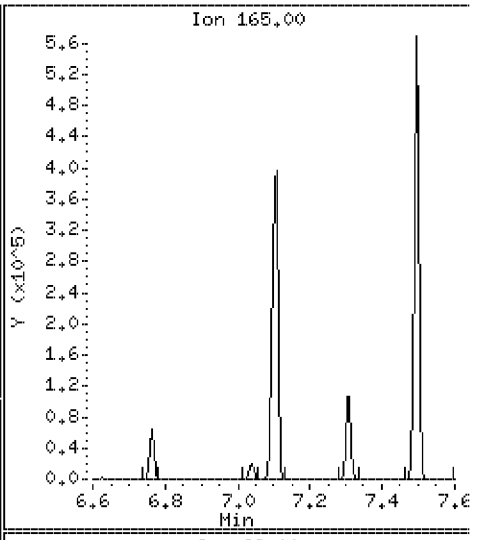
Column phase: HPMS-5

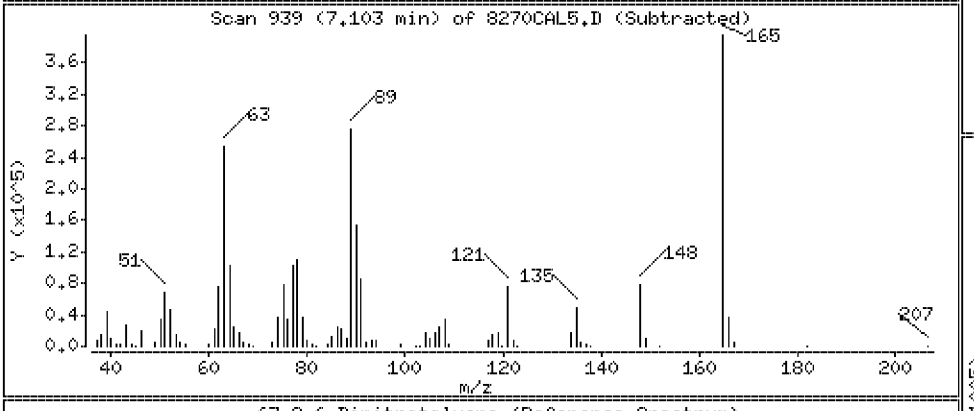
Column diameter: 0.25

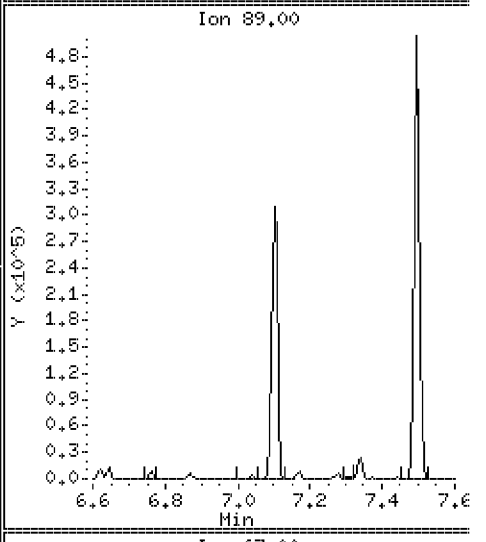
67 2,6-Dinitrotoluene

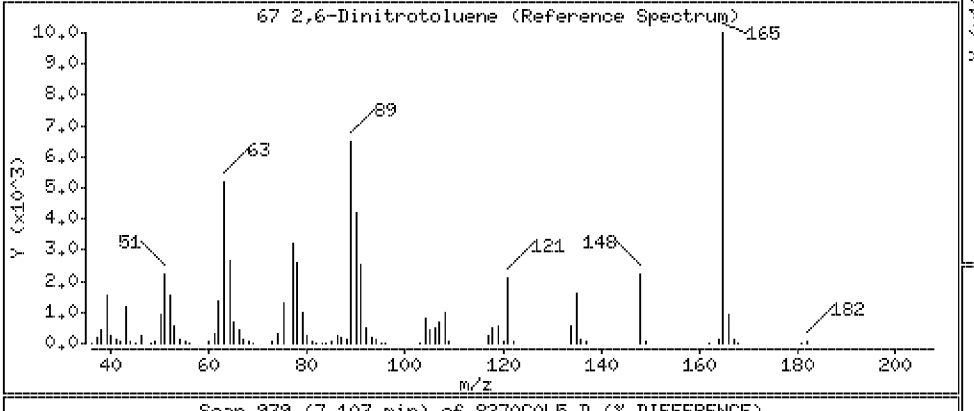
Concentration: 63.5 ug/l

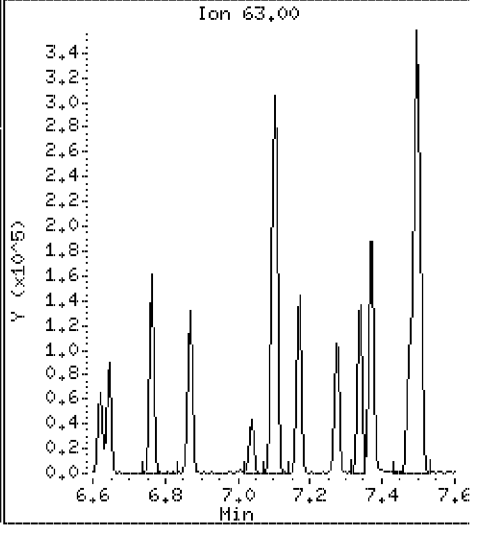


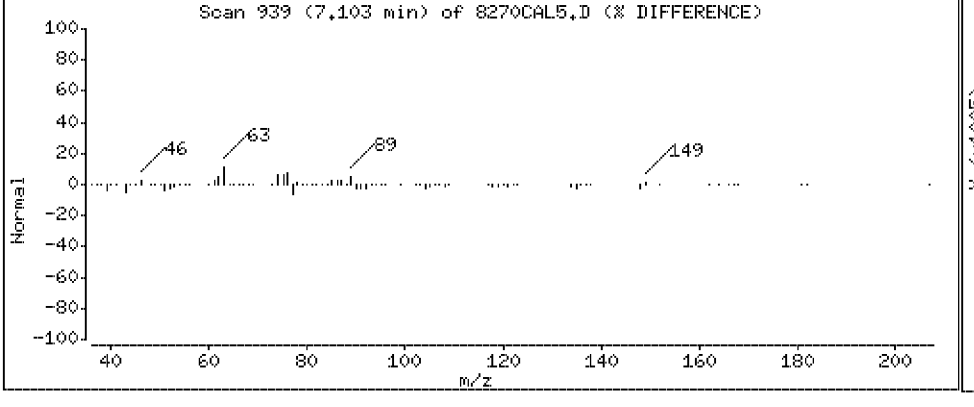












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

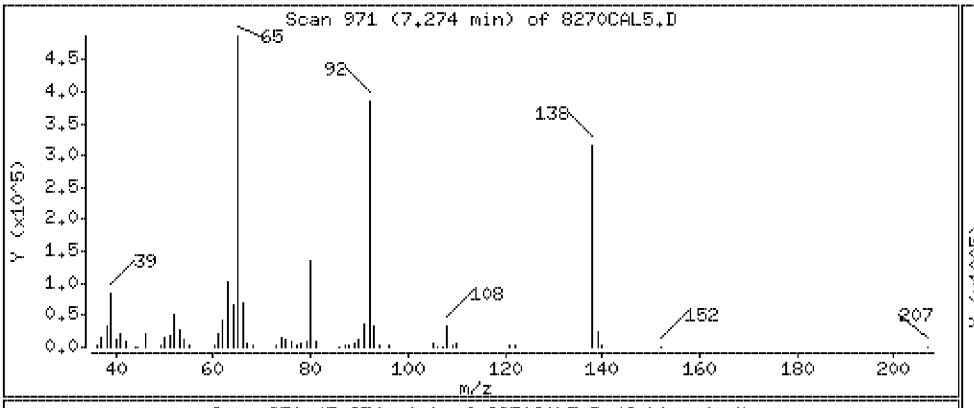
Operator: PEL

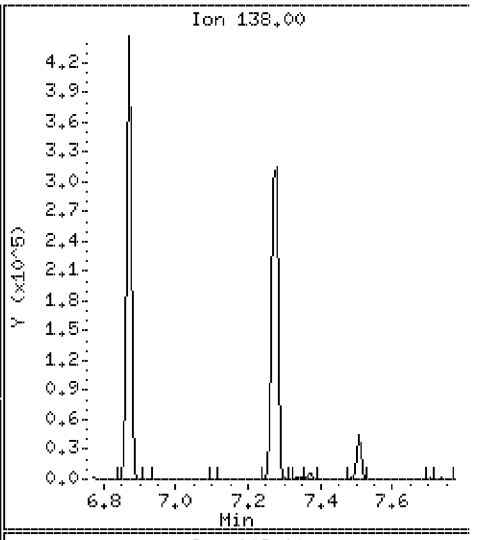
Column phase: HPMS-5

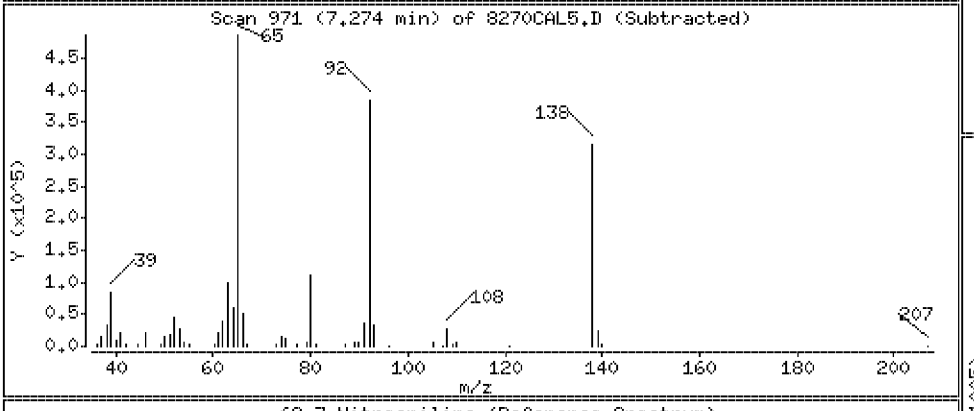
Column diameter: 0.25

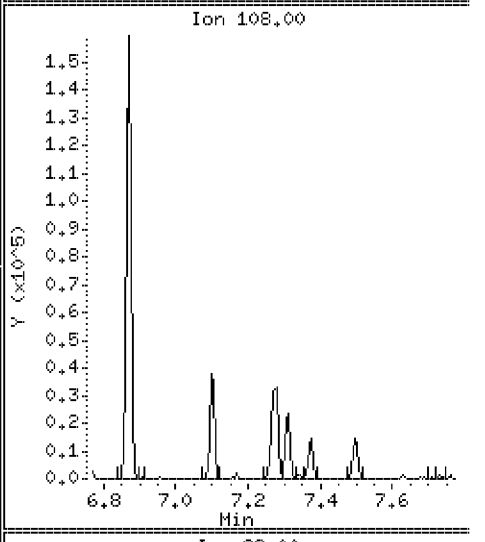
69 3-Nitroaniline

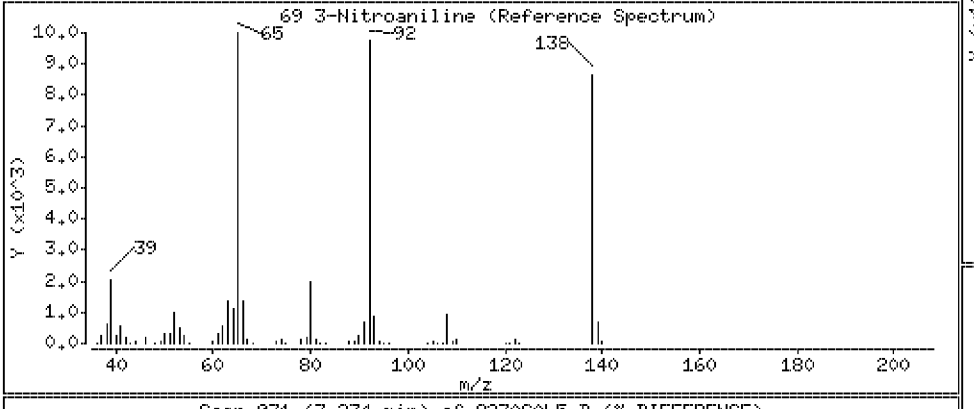
Concentration: 60.7 ug/l

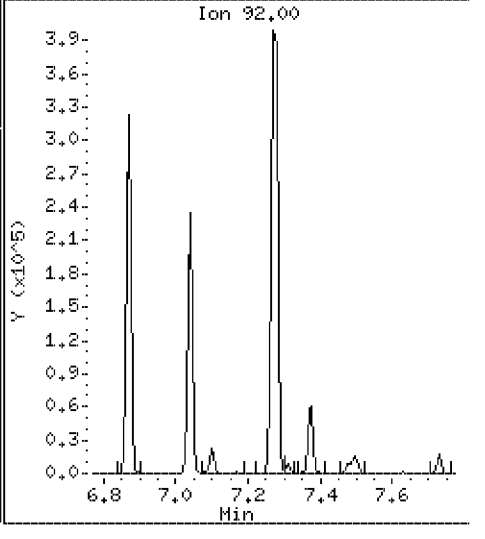


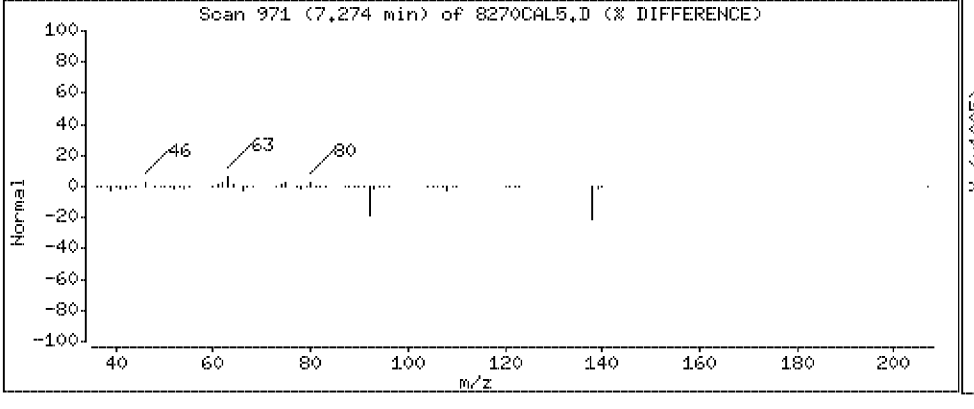












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

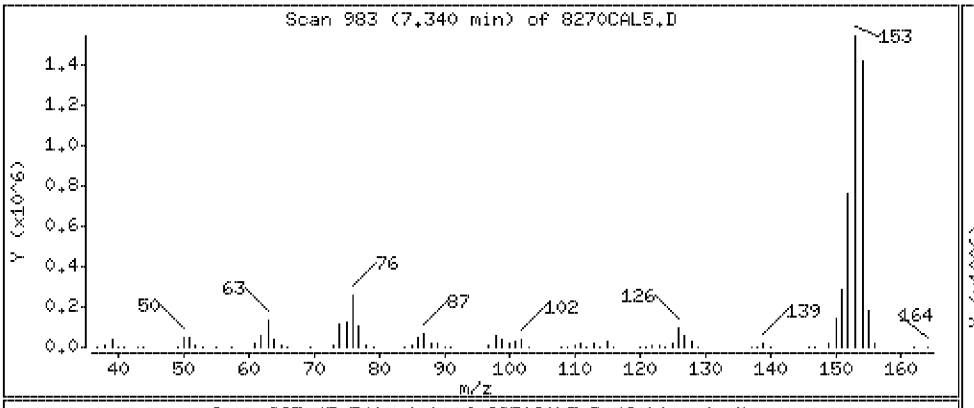
Client ID: 8270CAL5 Instrument: smsd03.i

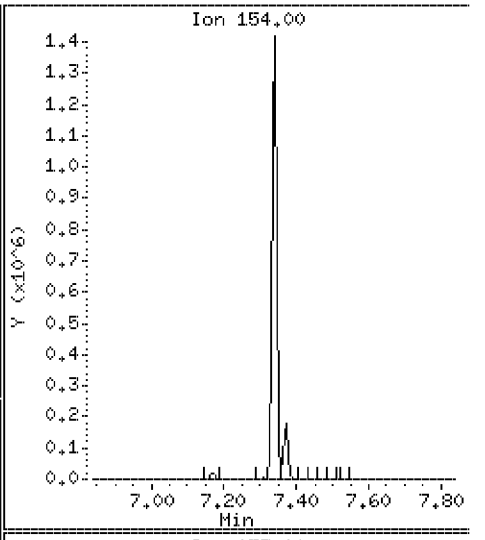
Sample Info: 45923

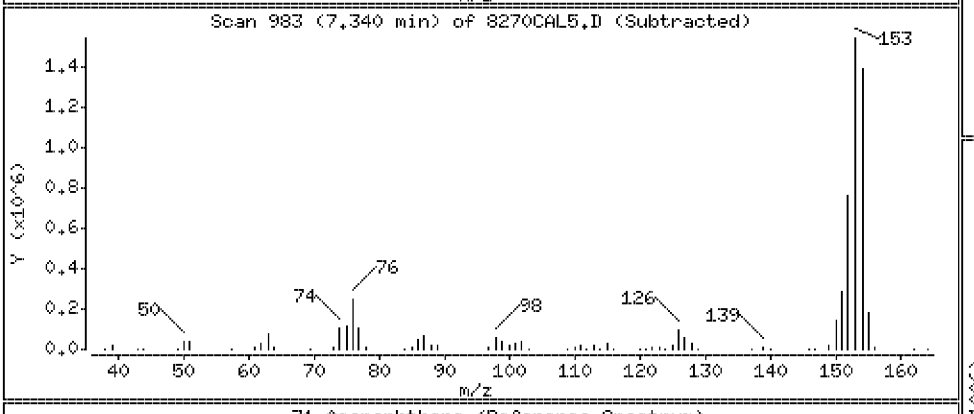
Purge Volume: 1000.0 Operator: PEL

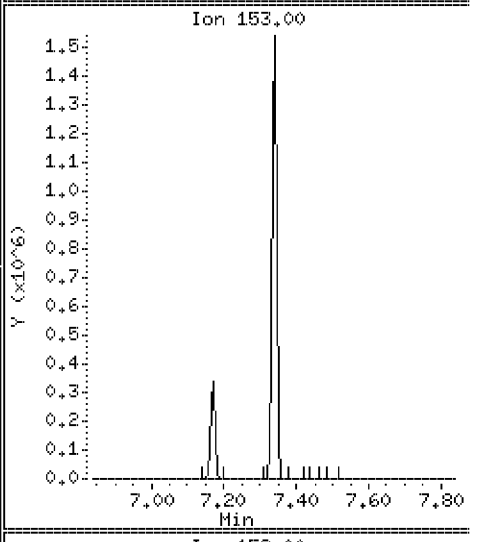
Column phase: HPMS-5 Column diameter: 0.25

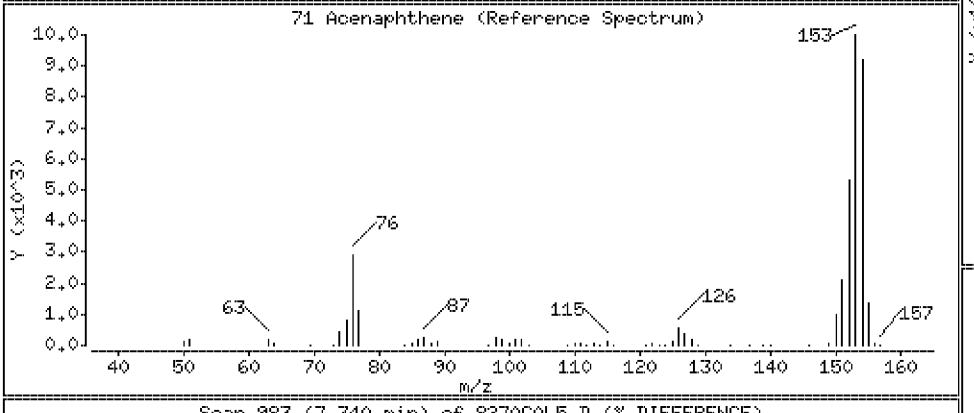
71 Acenaphthene Concentration: 62.4 ug/l

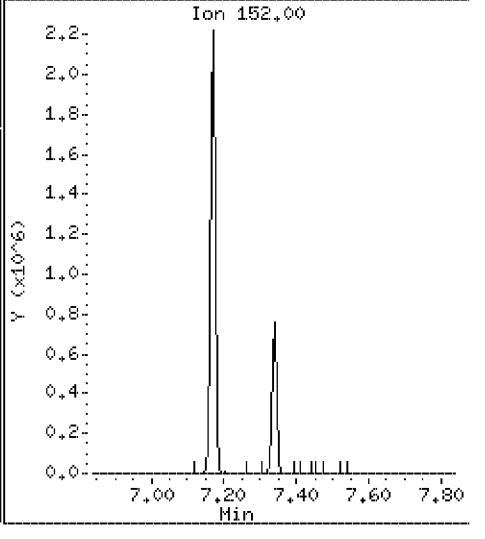


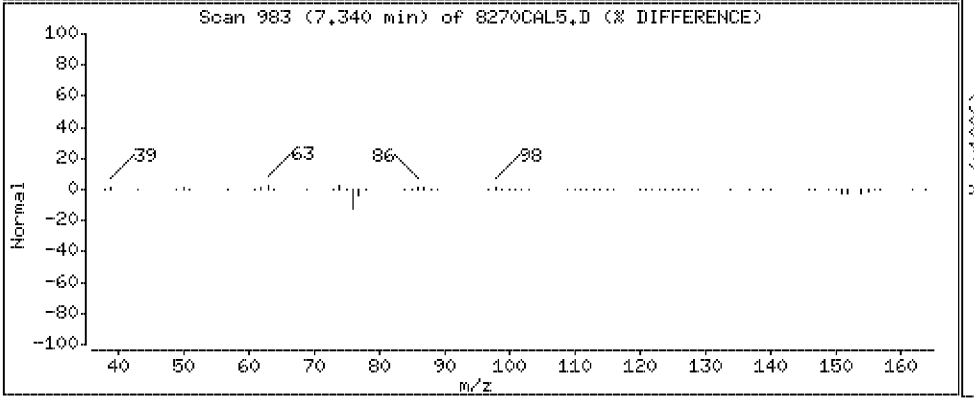












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

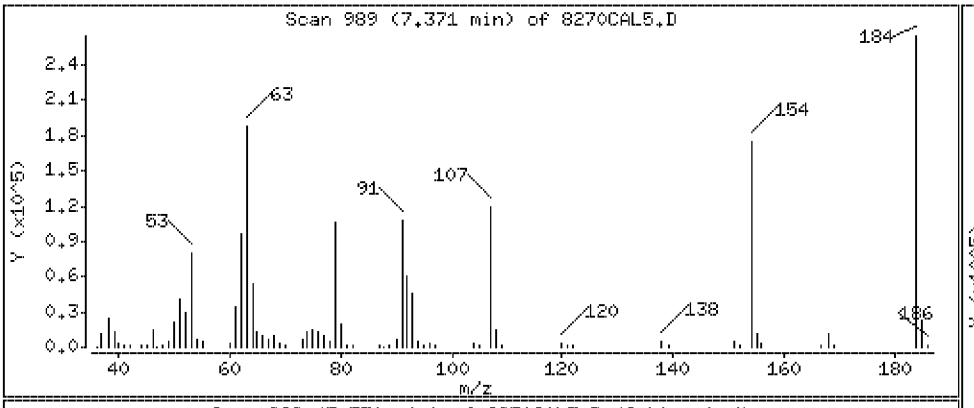
Client ID: 8270CAL5 Instrument: smsd03.i

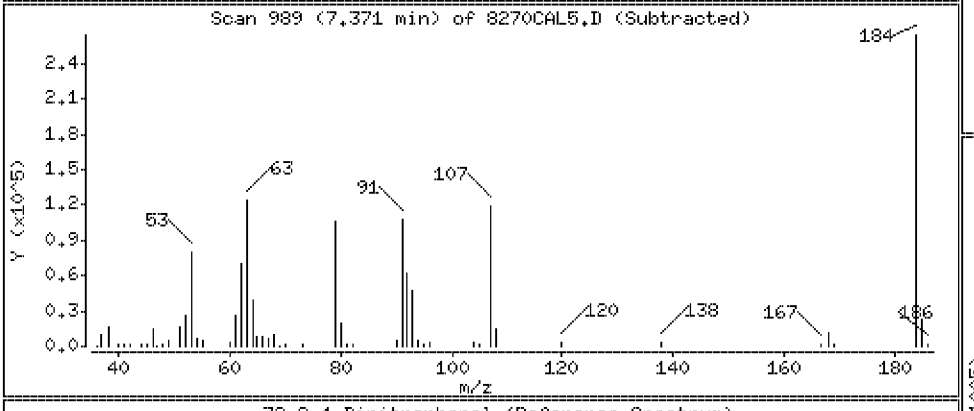
Sample Info: 45923

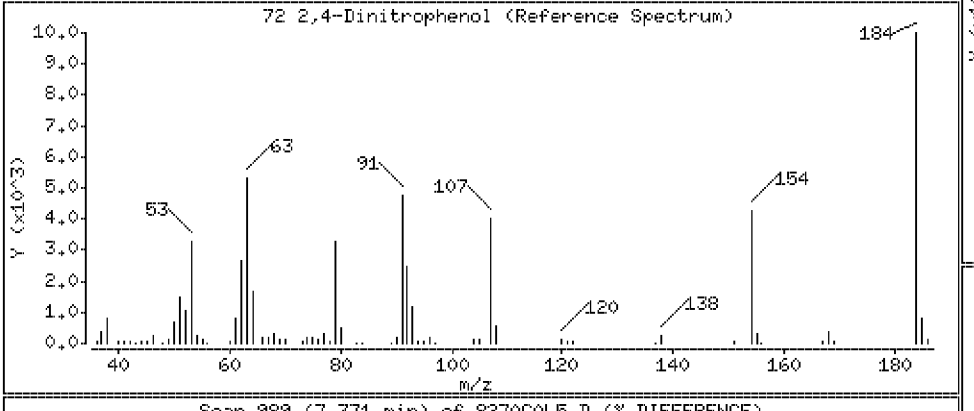
Purge Volume: 1000.0 Operator: PEL

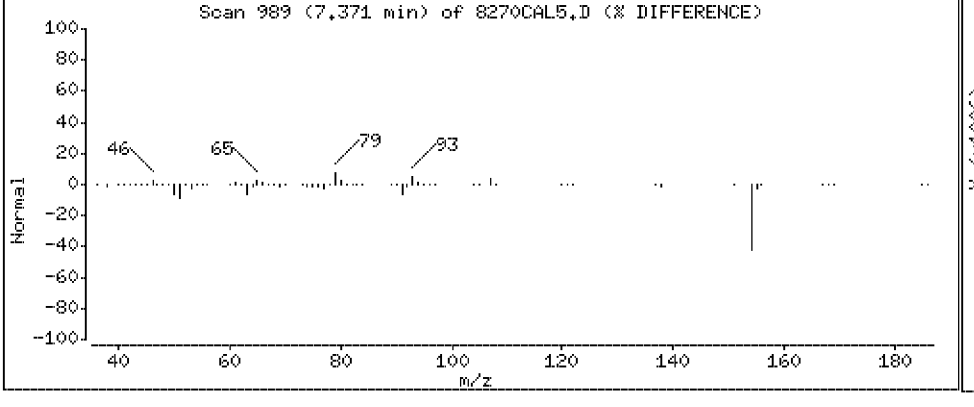
Column phase: HPMS-5 Column diameter: 0.25

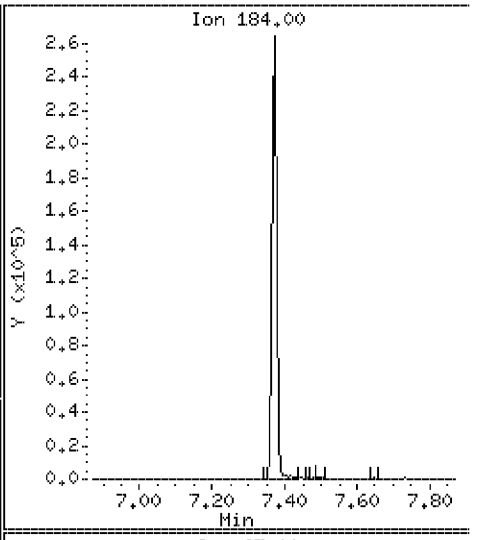
72 2,4-Dinitrophenol Concentration: 60.4 ug/l

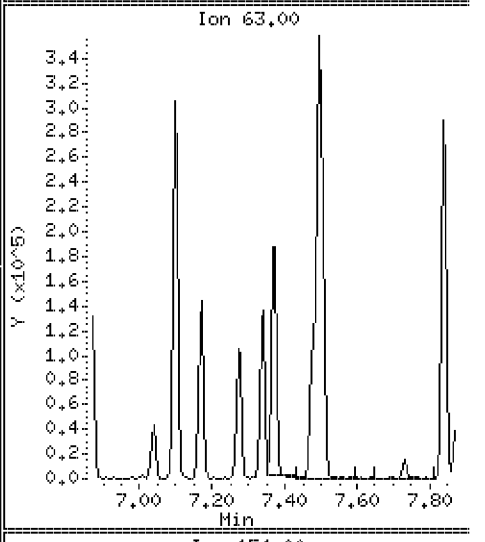


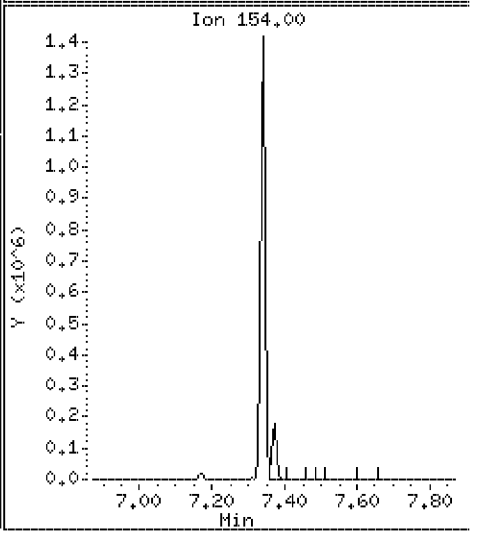












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

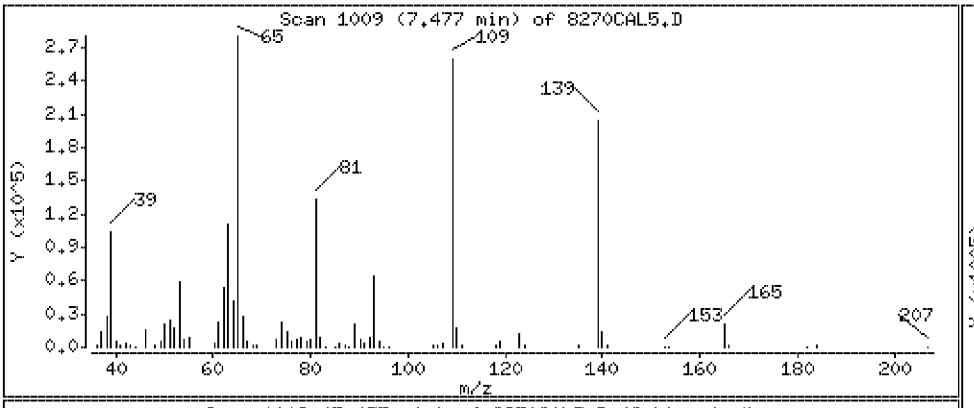
Operator: PEL

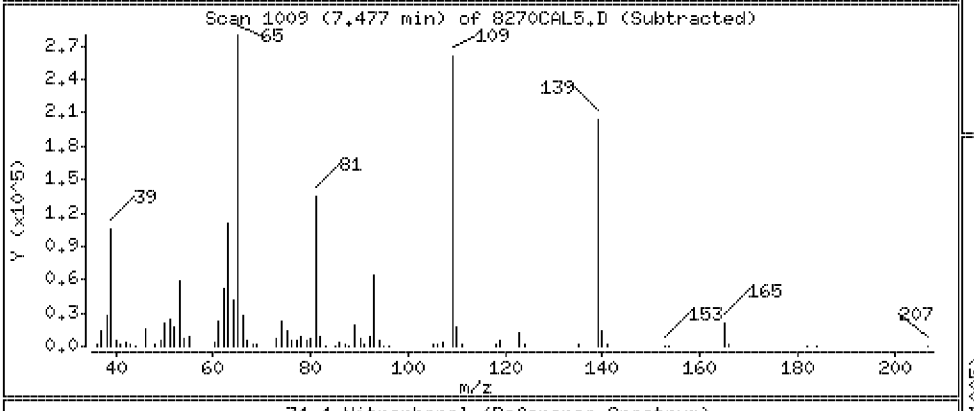
Column phase: HPMS-5

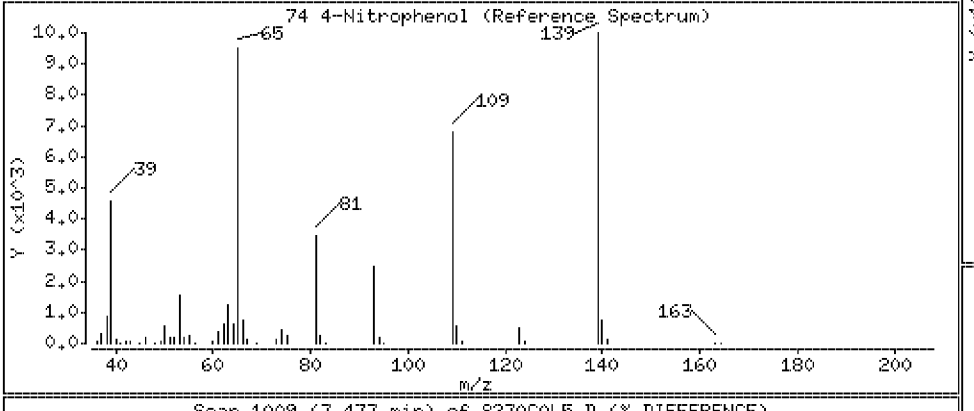
Column diameter: 0.25

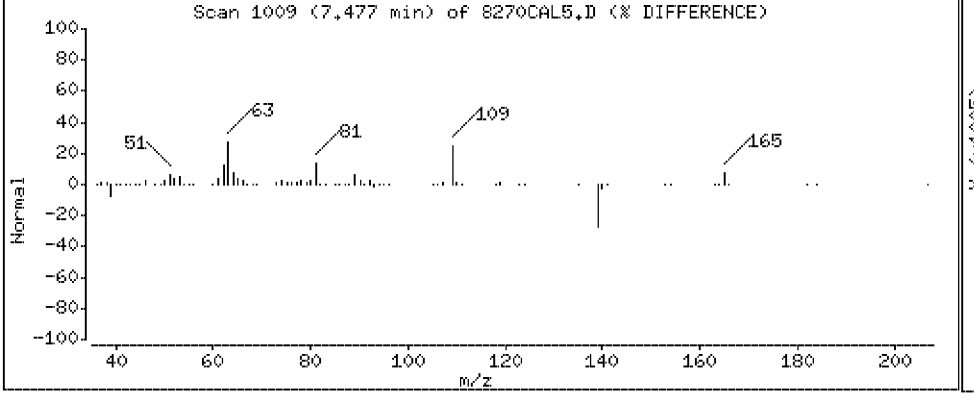
74 4-Nitrophenol

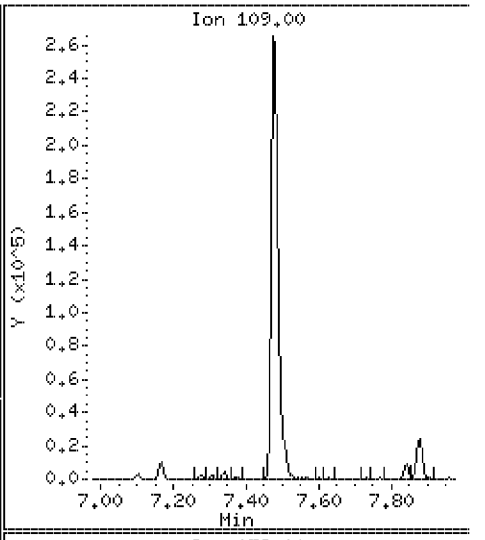
Concentration: 63.1 ug/l

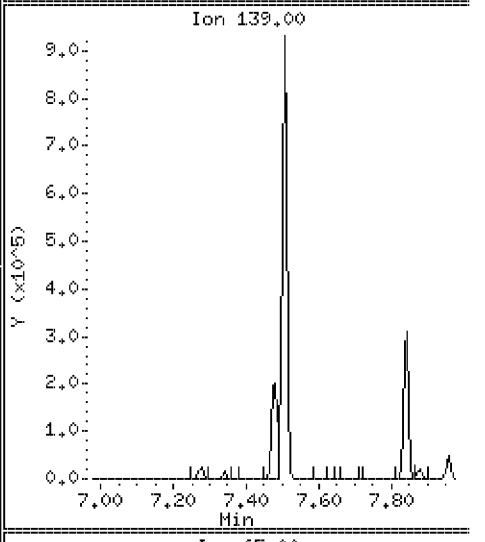


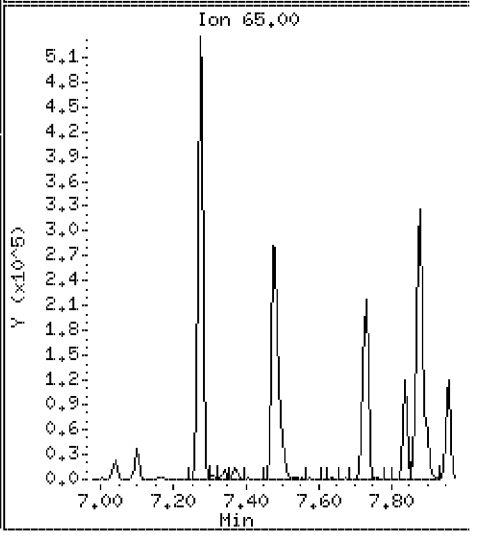












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

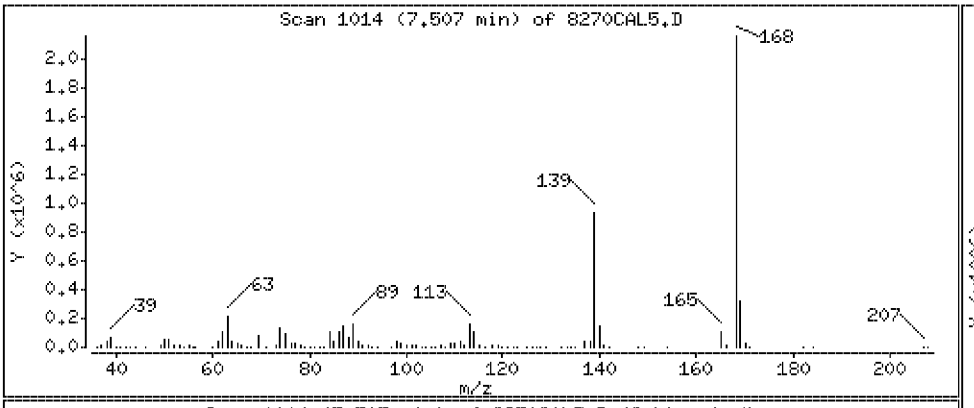
Operator: PEL

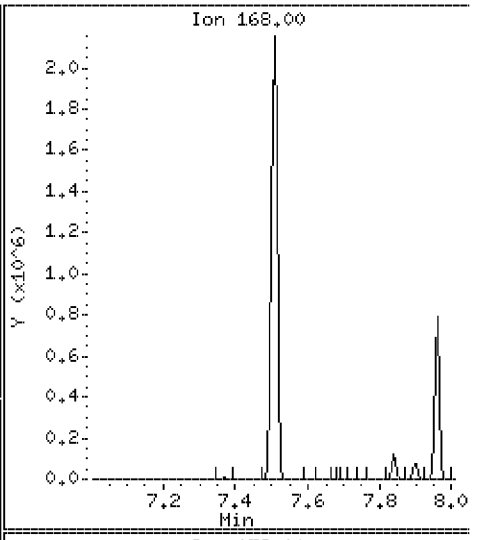
Column phase: HPMS-5

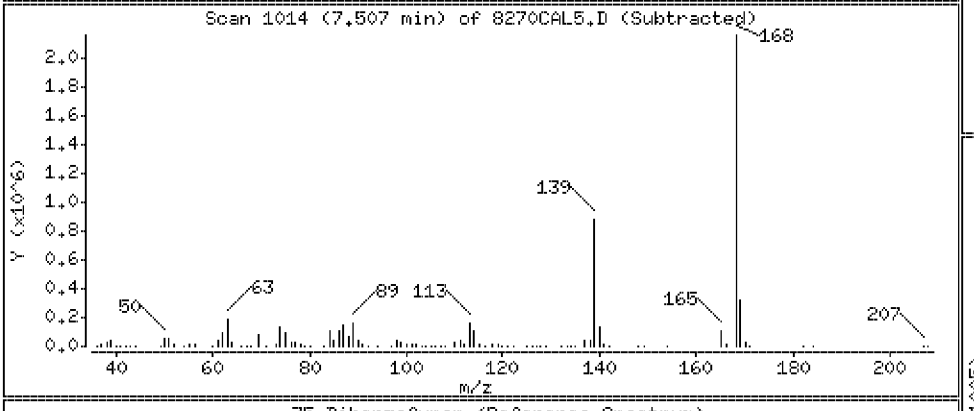
Column diameter: 0.25

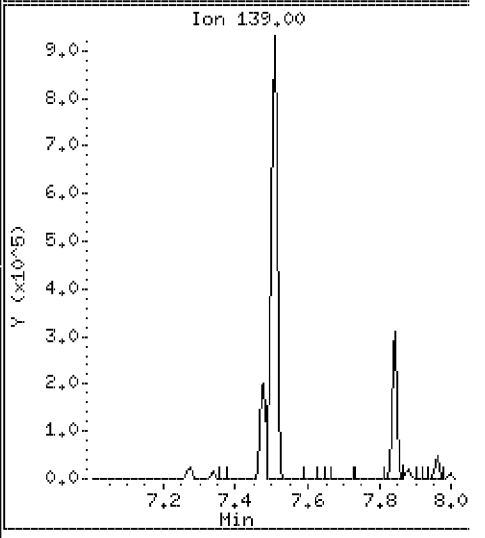
75 Dibenzofuran

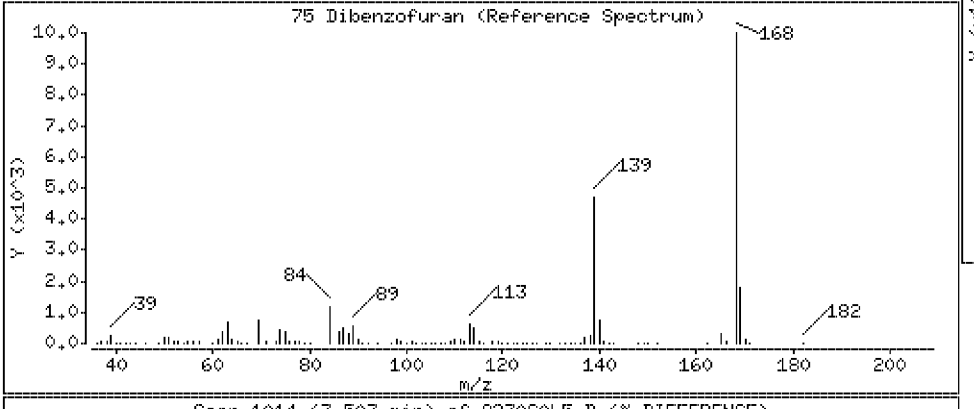
Concentration: 61.1 ug/l

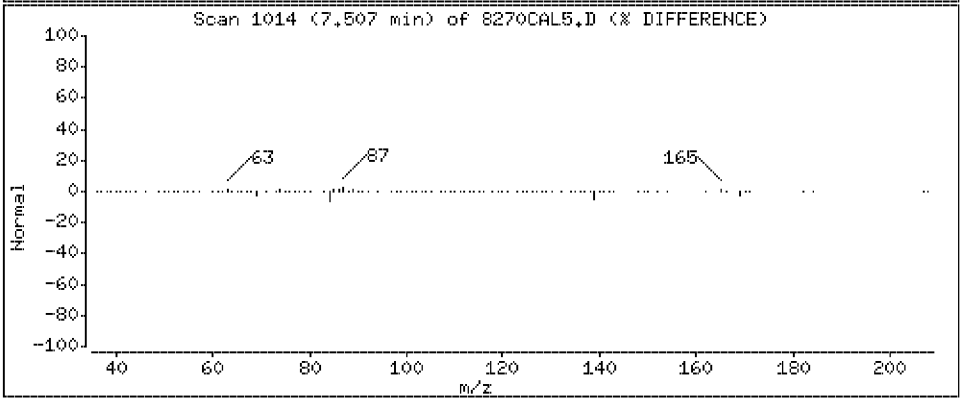












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

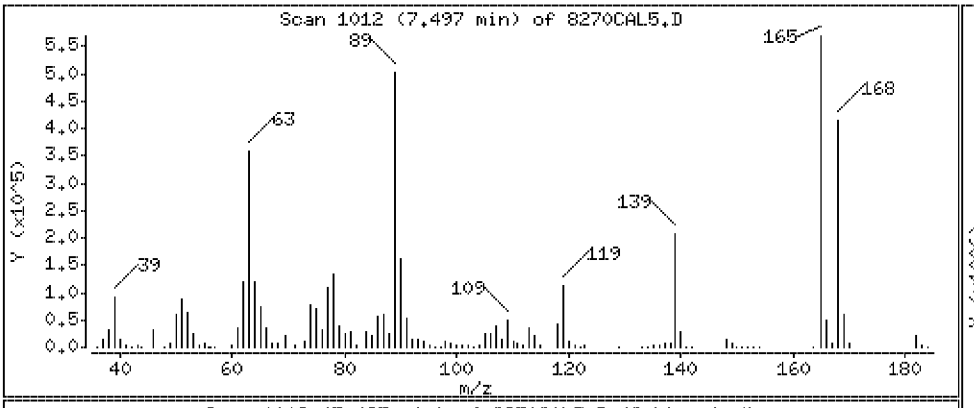
Operator: PEL

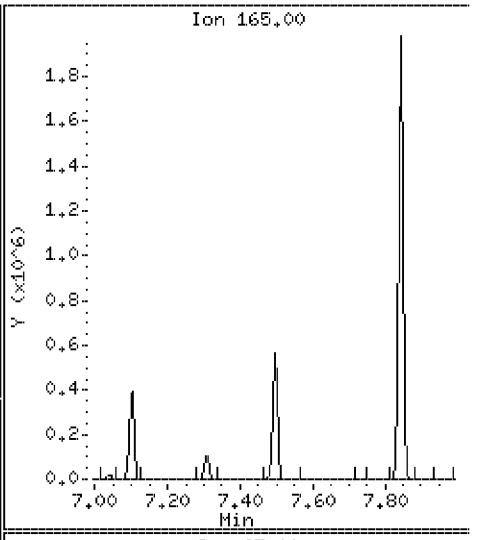
Column phase: HPMS-5

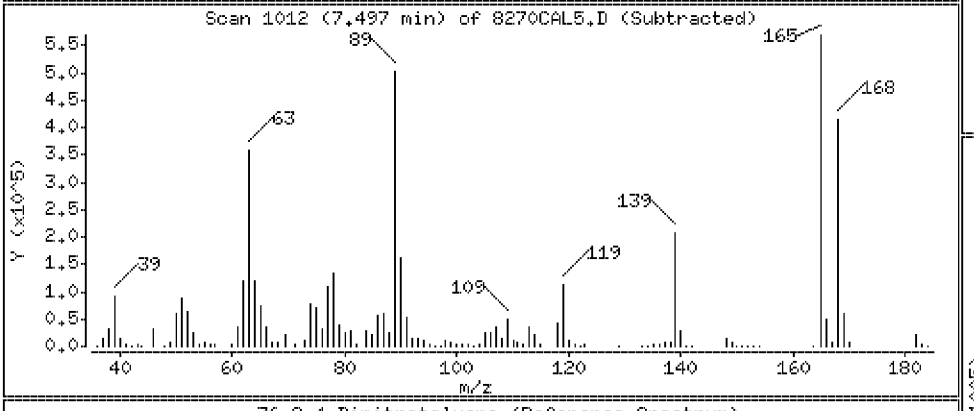
Column diameter: 0.25

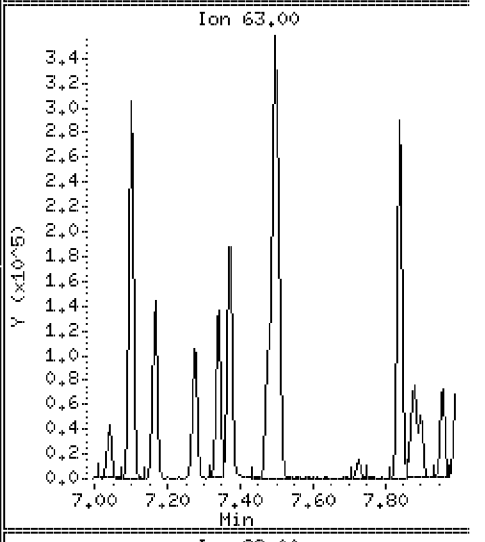
76 2,4-Dinitrotoluene

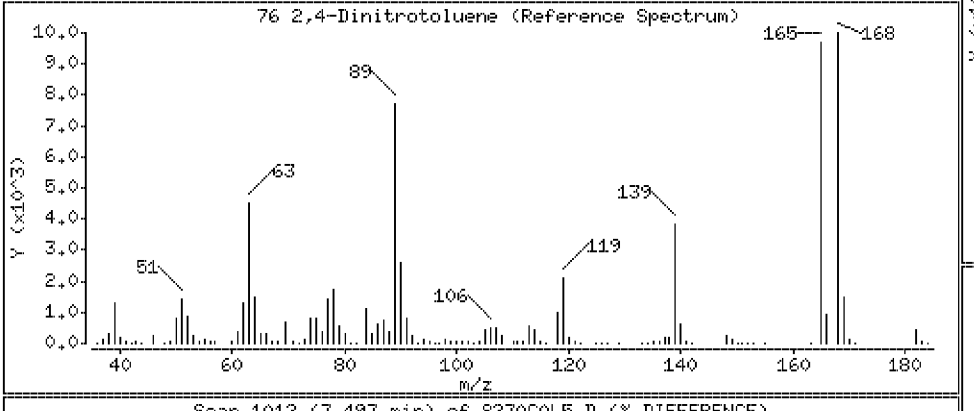
Concentration: 62.7 ug/l

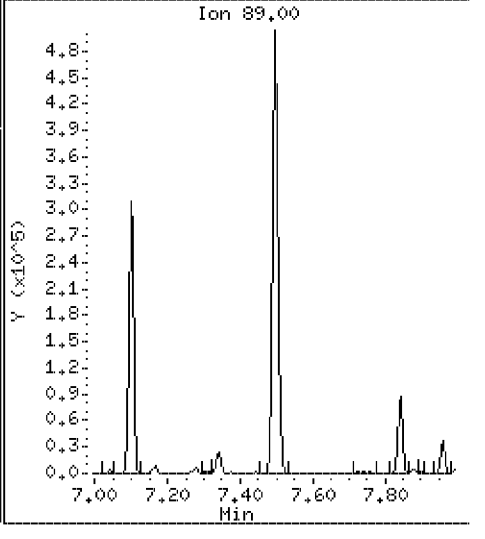


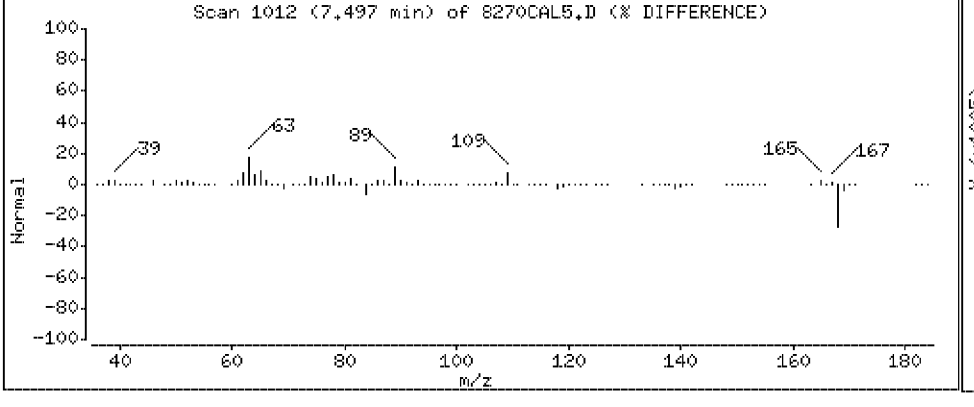












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

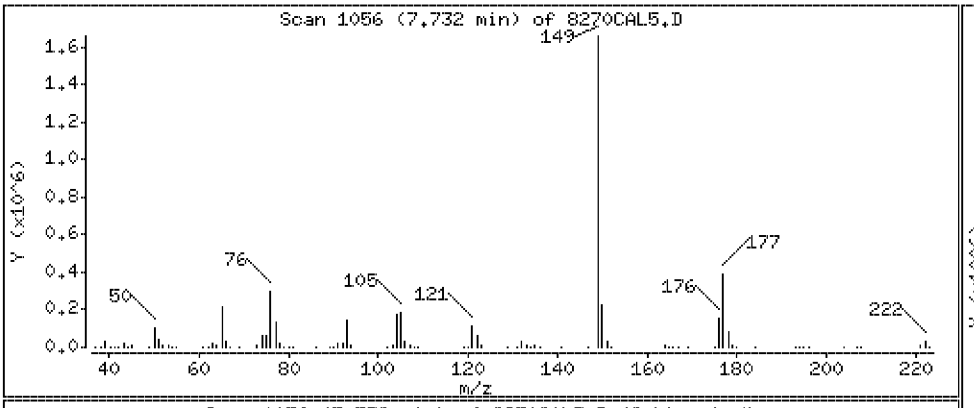
Operator: PEL

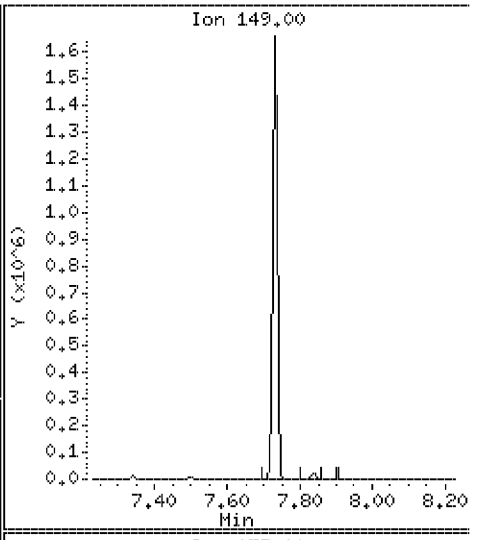
Column phase: HPMS-5

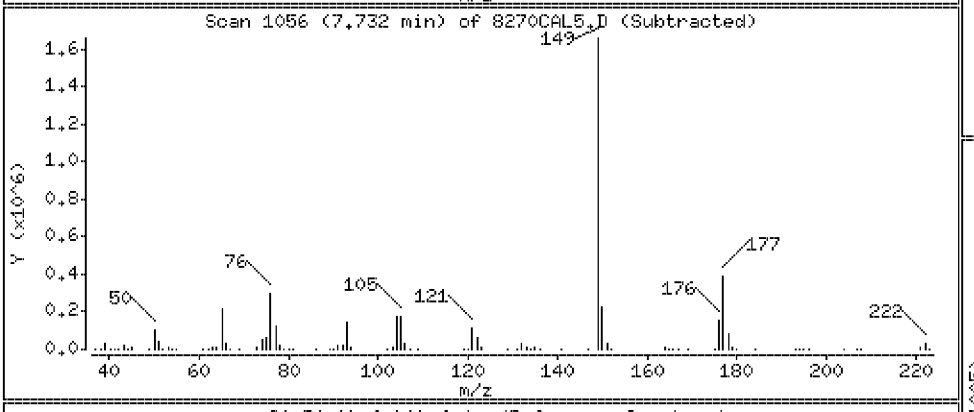
Column diameter: 0.25

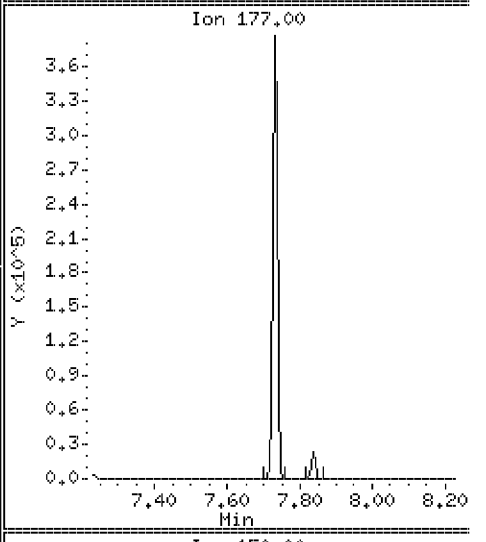
80 Diethylphthalate

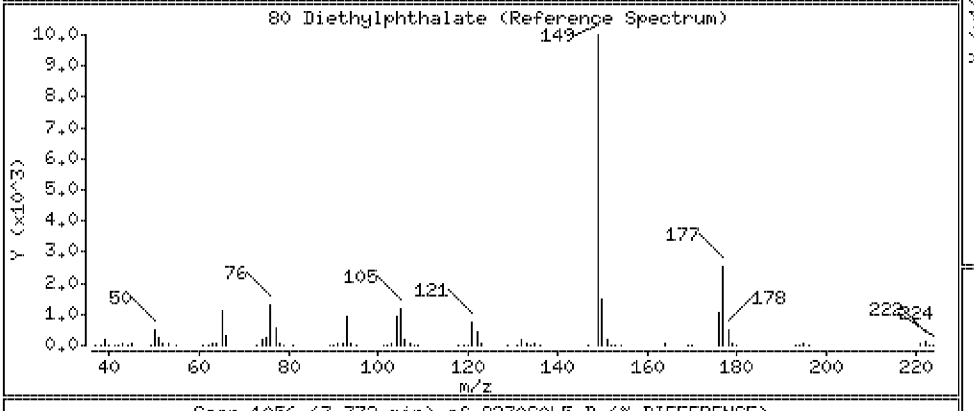
Concentration: 61.1 ug/l

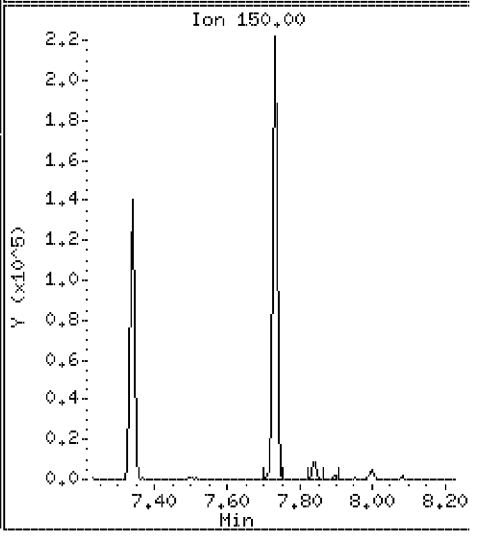


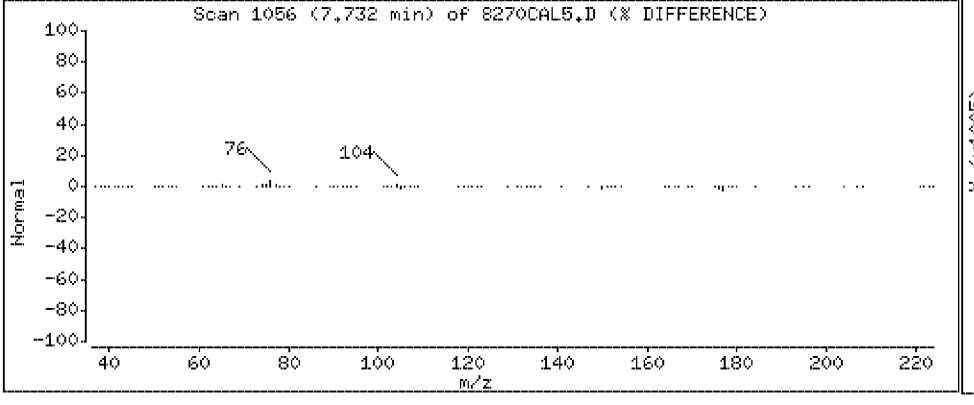












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

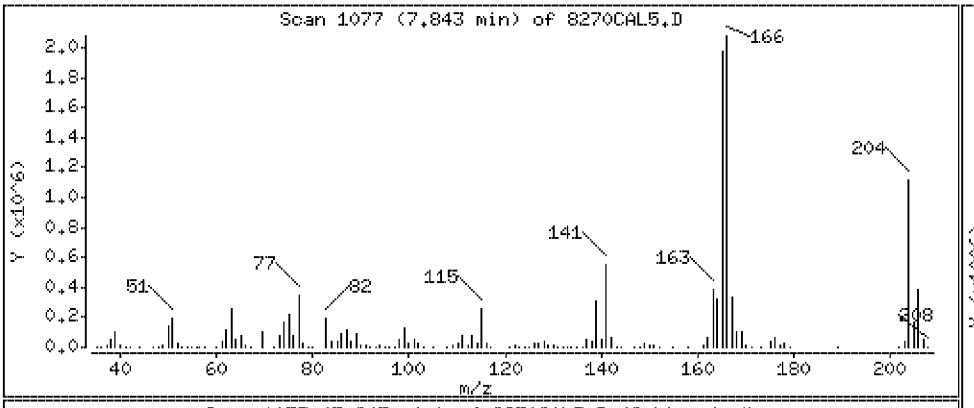
Operator: PEL

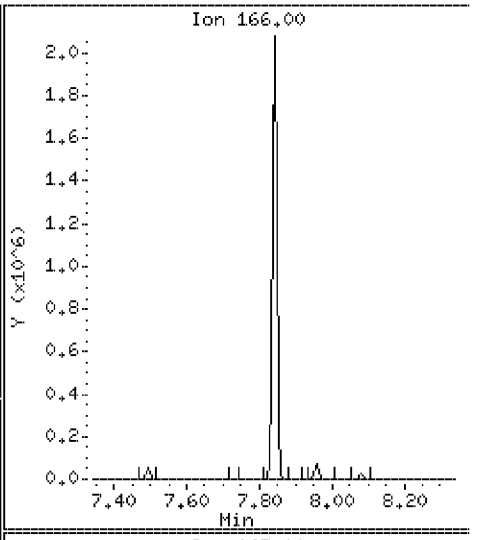
Column phase: HPMS-5

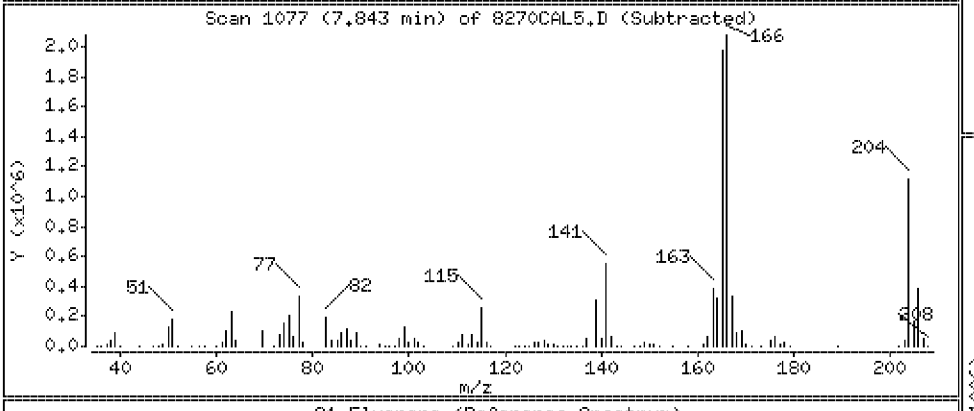
Column diameter: 0.25

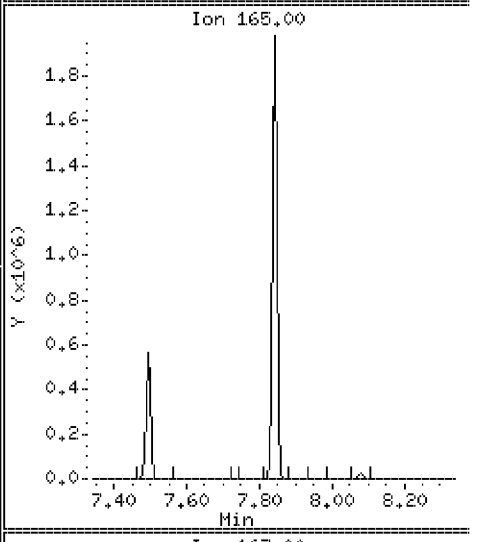
81 Fluorene

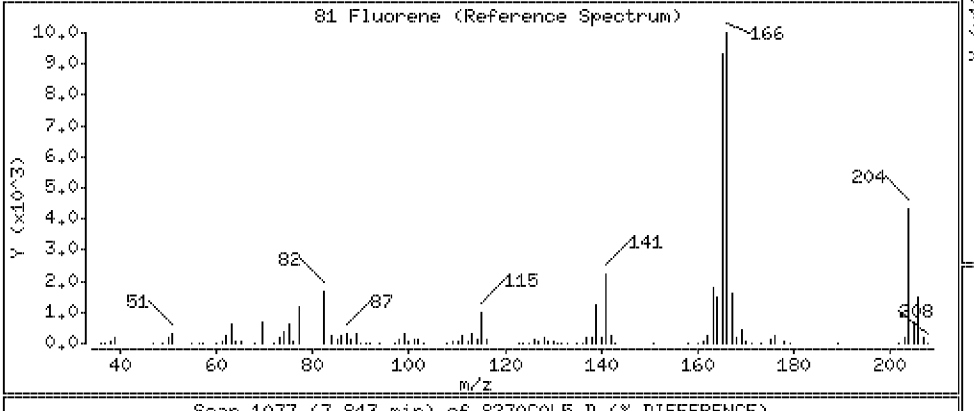
Concentration: 63.7 ug/l

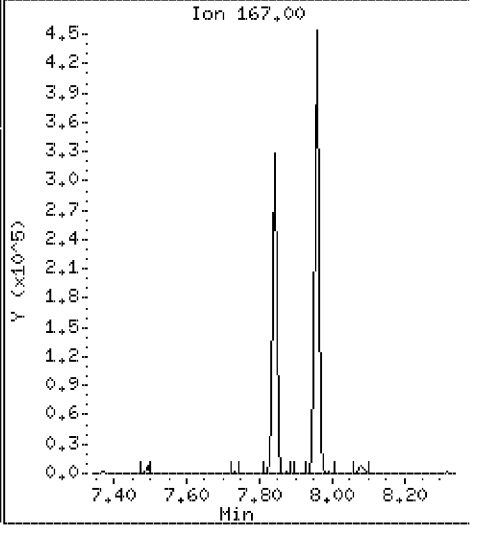


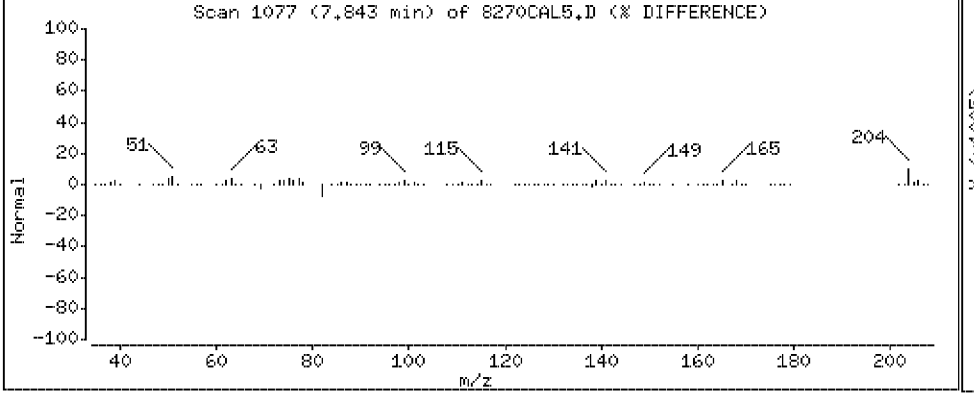












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

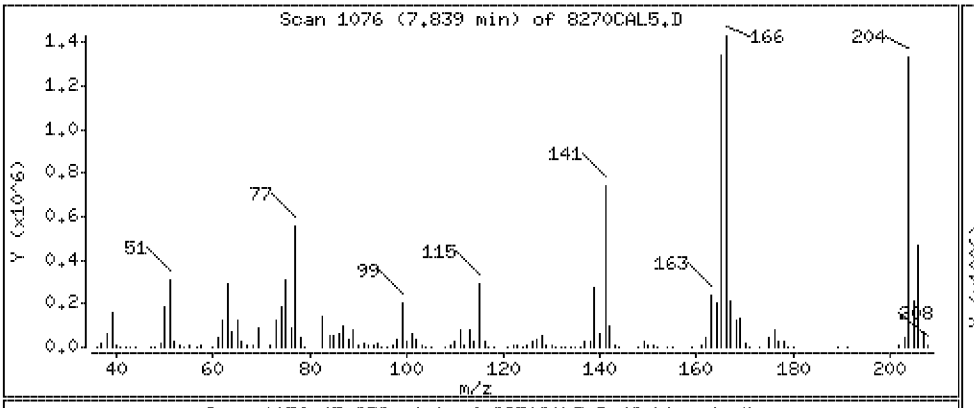
Operator: PEL

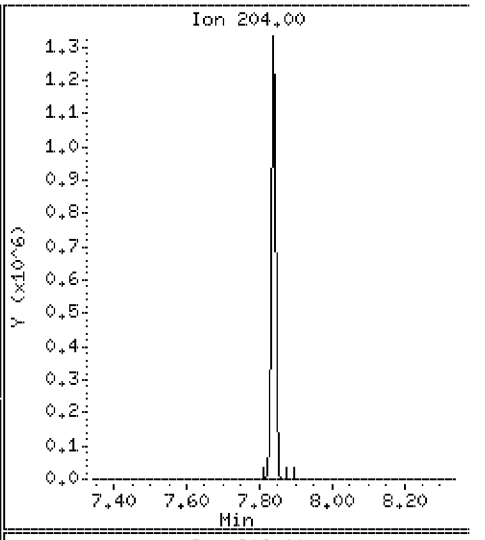
Column phase: HPMS-5

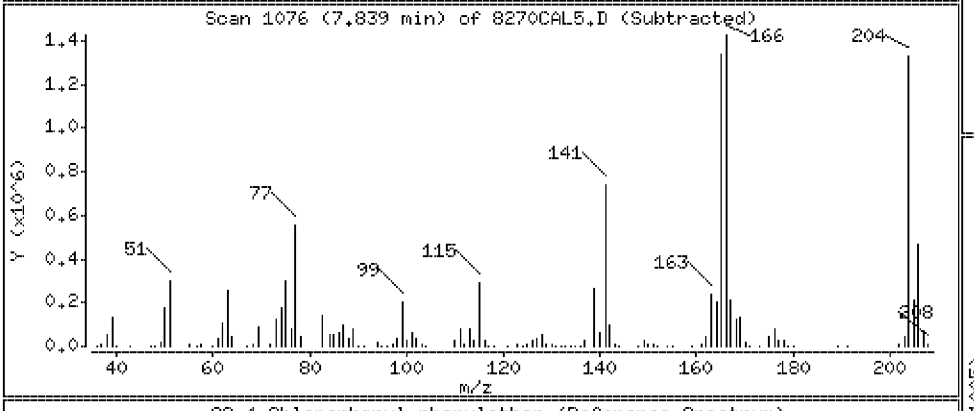
Column diameter: 0.25

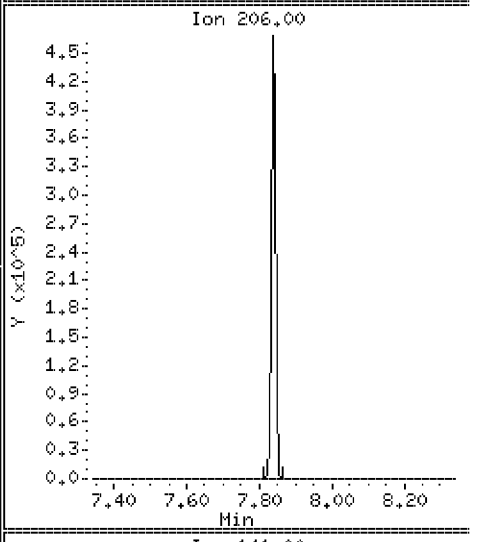
82 4-Chlorophenyl-phenylether

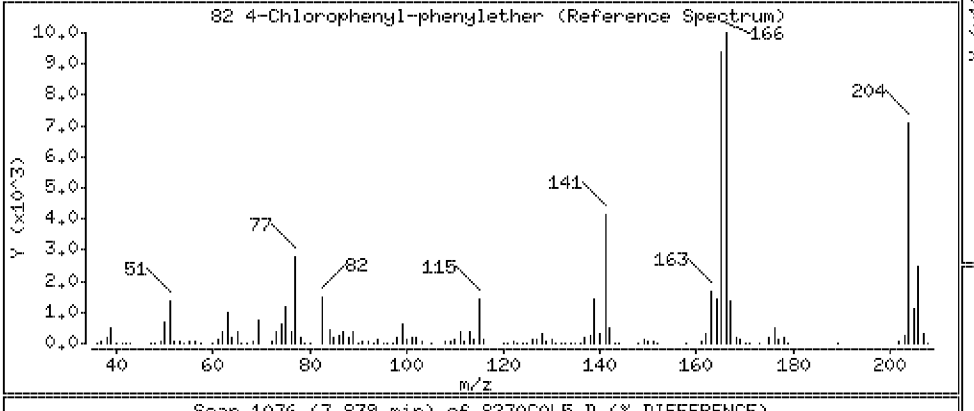
Concentration: 64.4 ug/l

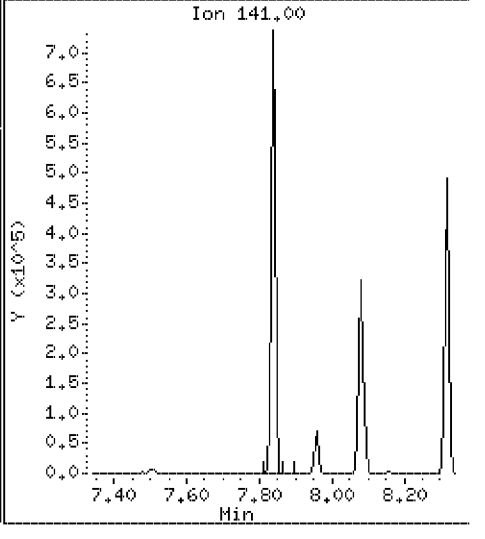


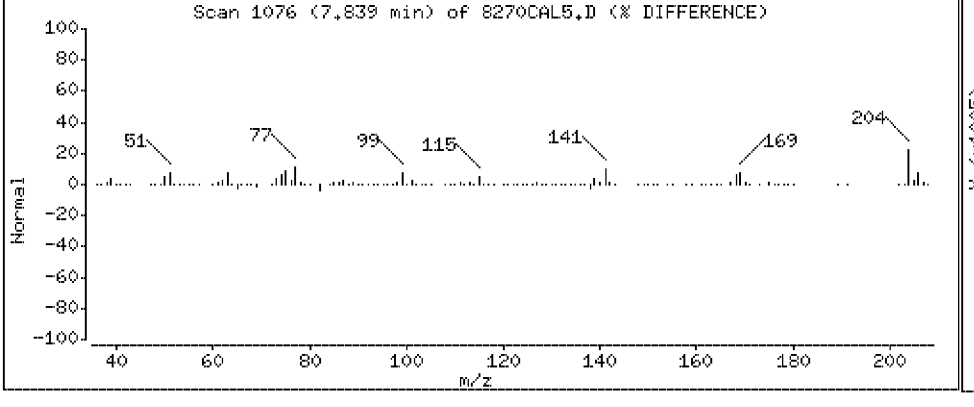












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

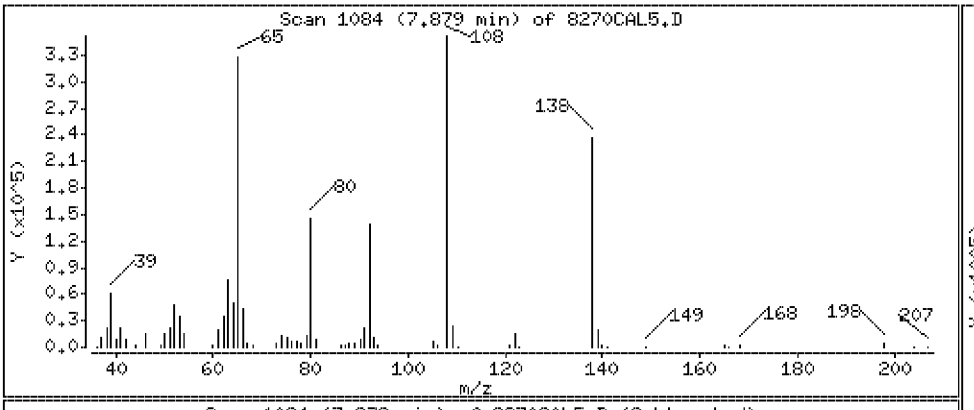
Operator: PEL

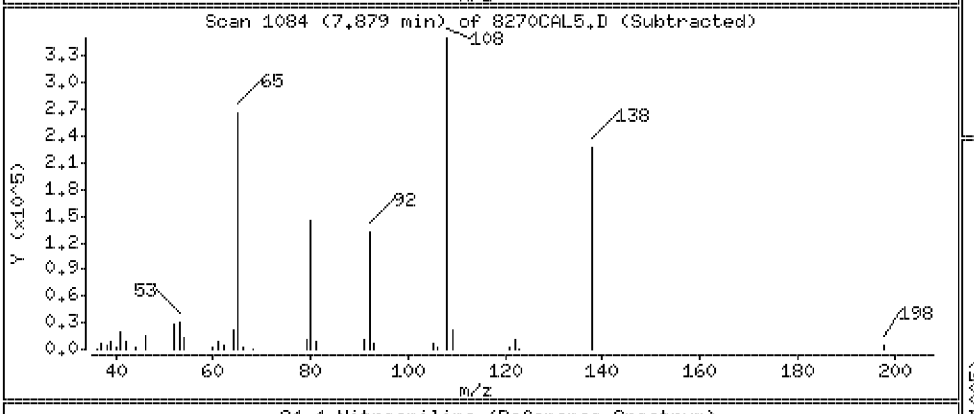
Column phase: HPMS-5

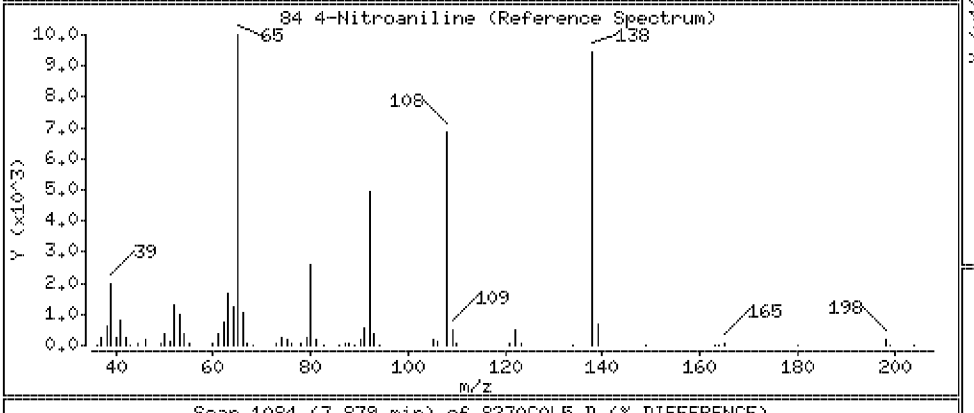
Column diameter: 0.25

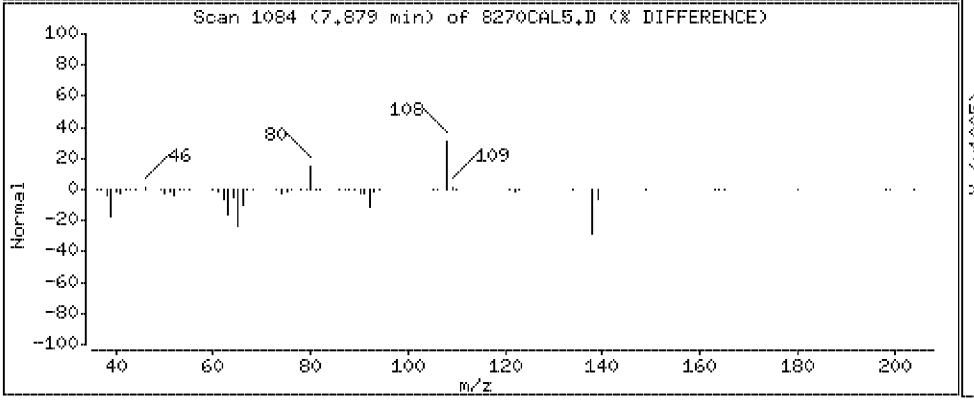
84 4-Nitroaniline

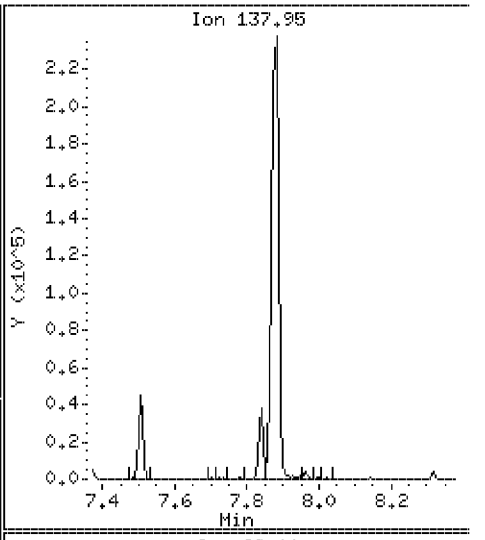
Concentration: 60.9 ug/l

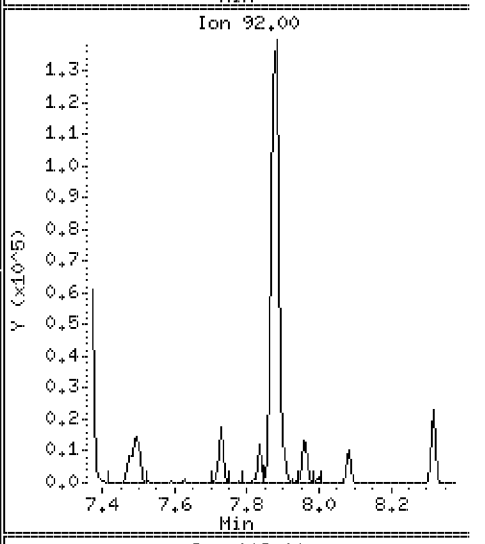


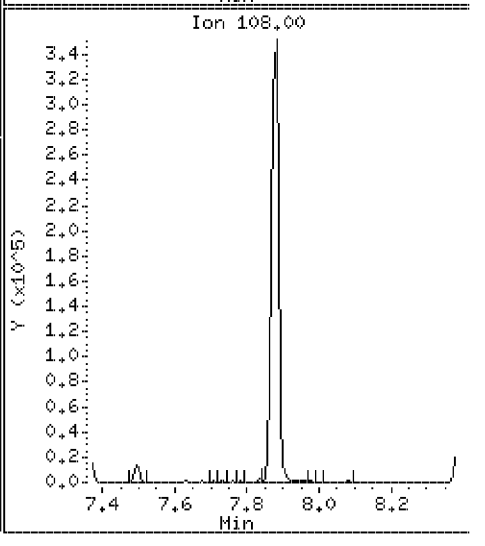












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

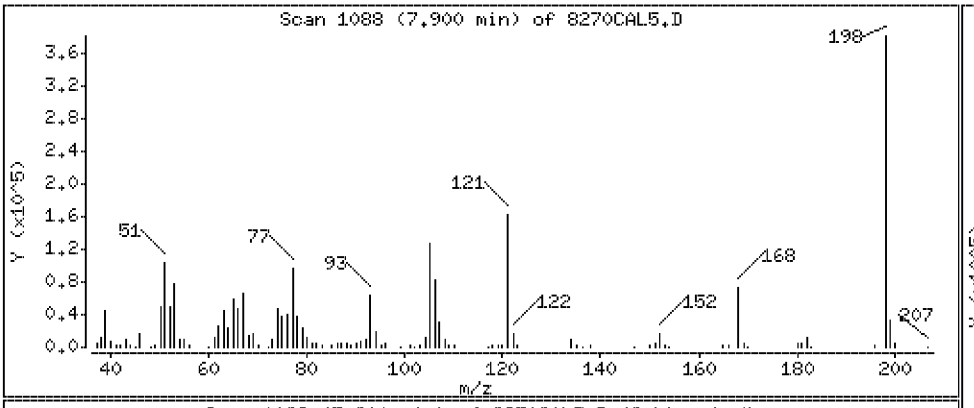
Operator: PEL

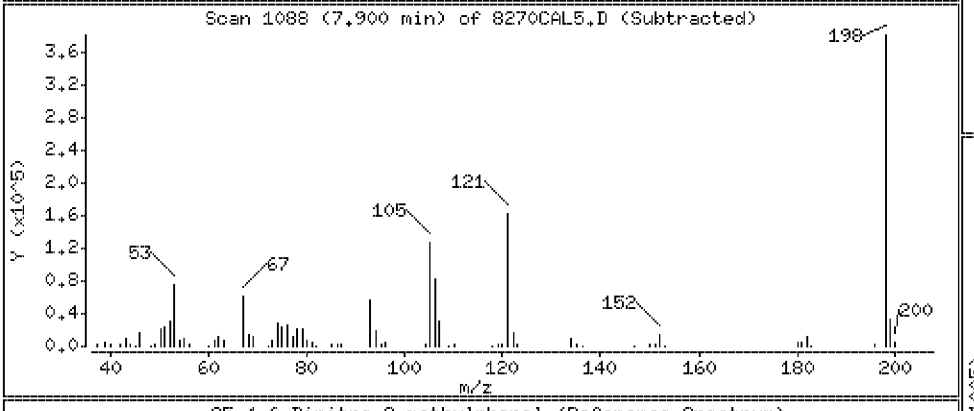
Column phase: HPMS-5

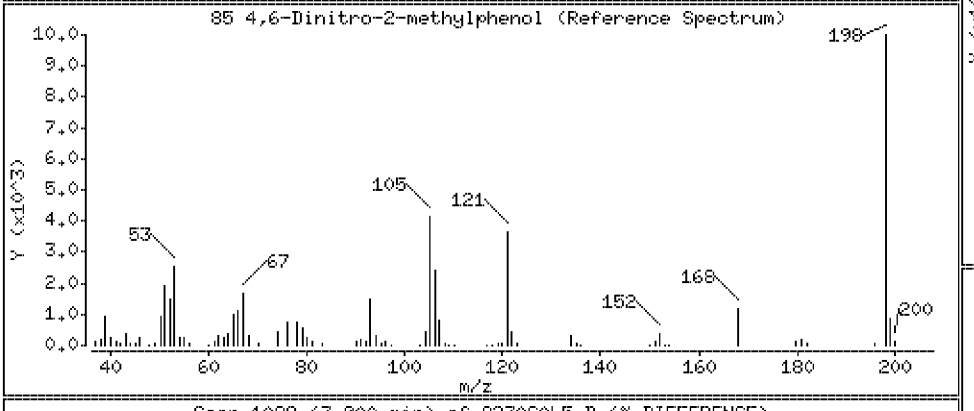
Column diameter: 0.25

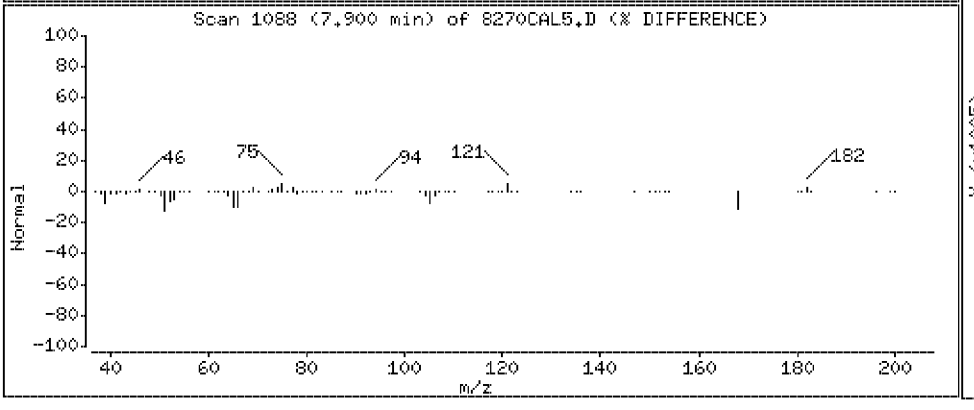
85 4,6-Dinitro-2-methylphenol

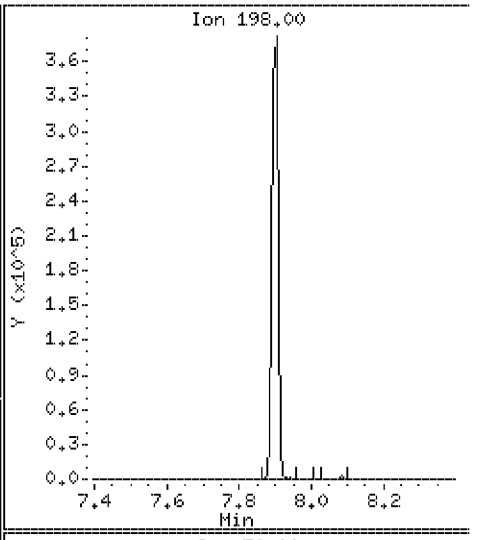
Concentration: 58.7 ug/l

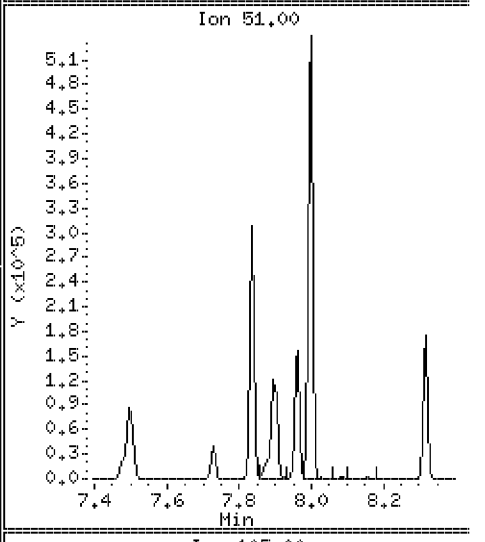


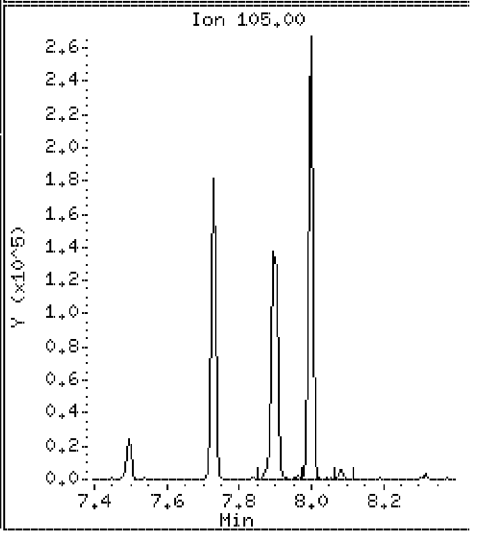












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

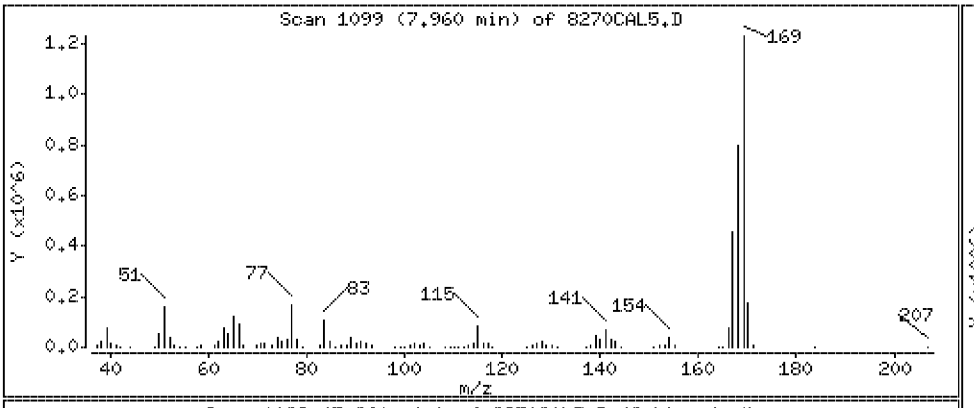
Operator: PEL

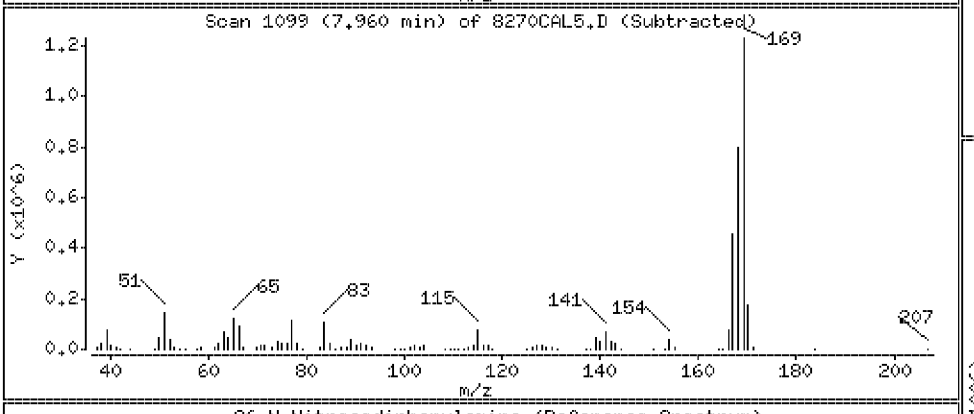
Column phase: HPMS-5

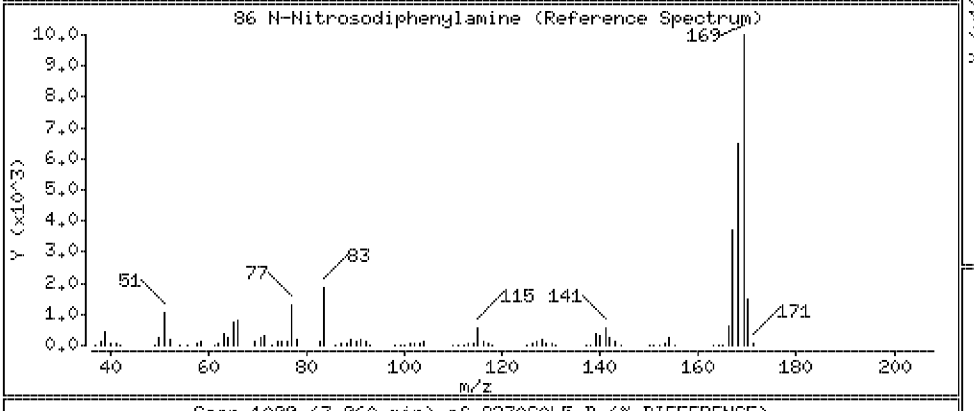
Column diameter: 0.25

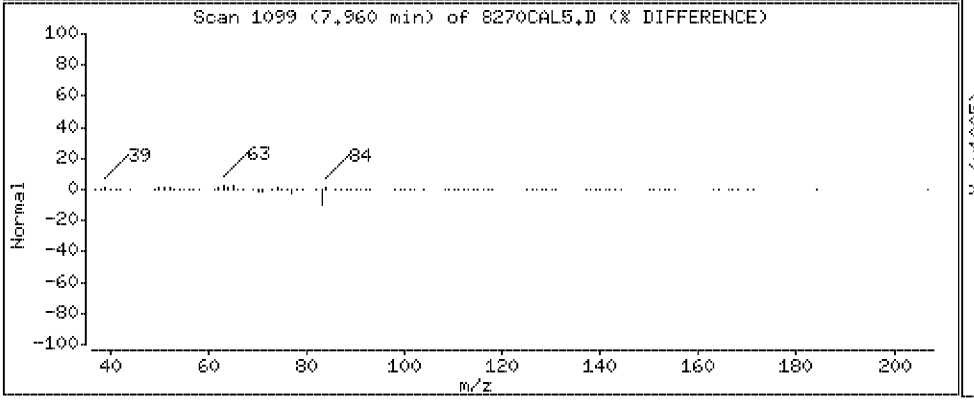
86 N-Nitrosodiphenylamine

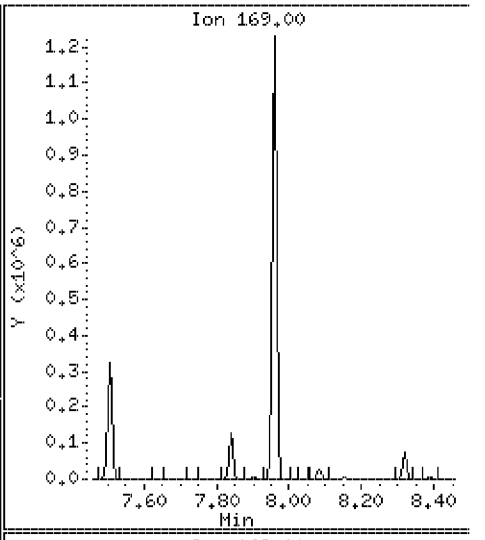
Concentration: 60.0 ug/l

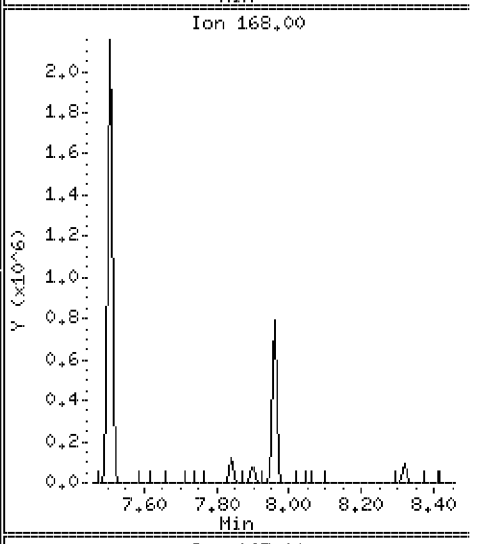


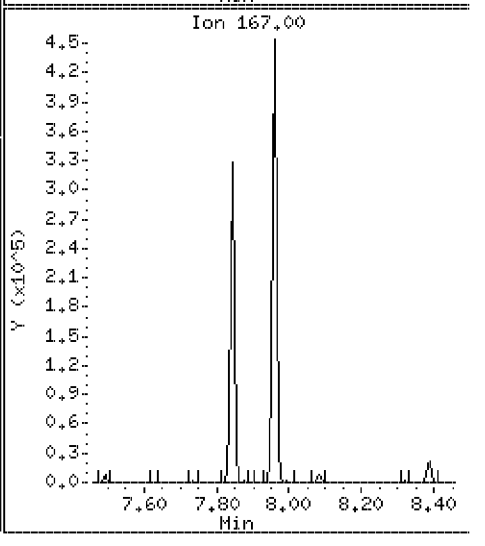












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

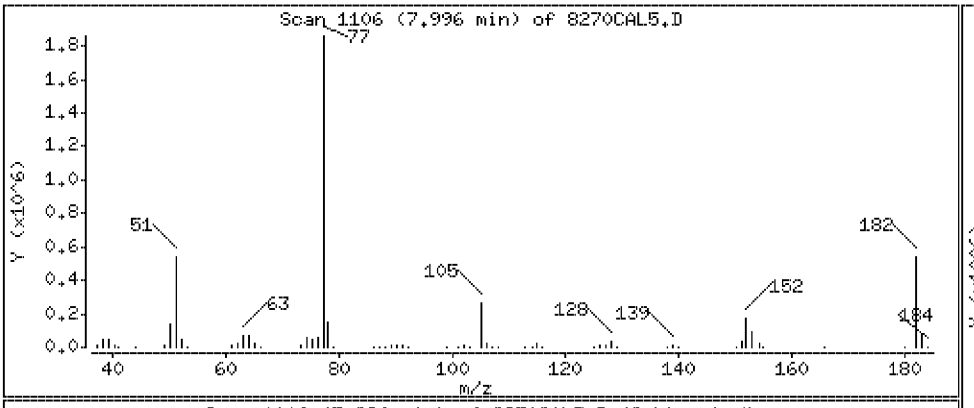
Operator: PEL

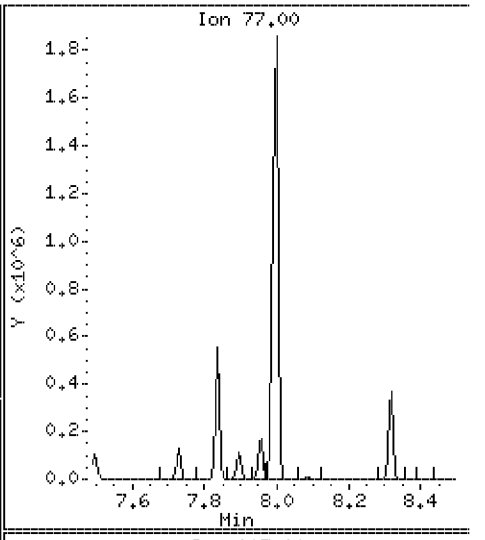
Column phase: HPMS-5

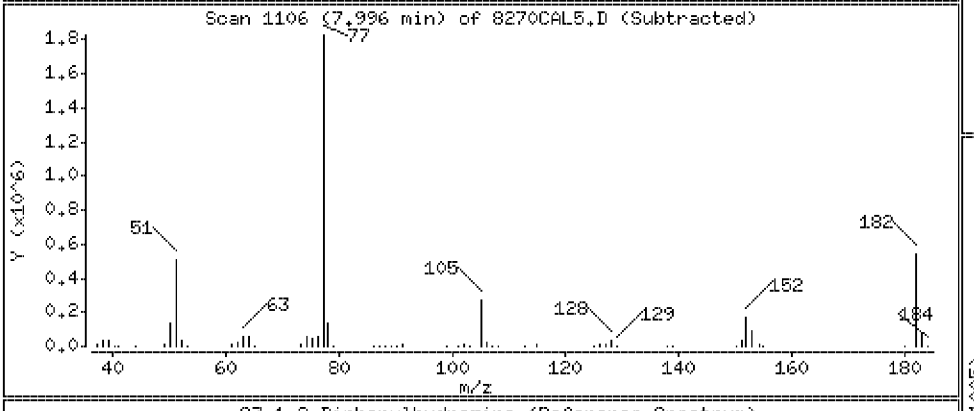
Column diameter: 0.25

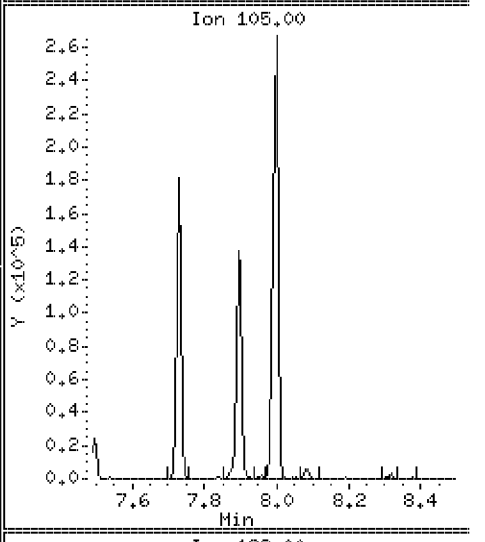
87 1,2-Diphenylhydrazine

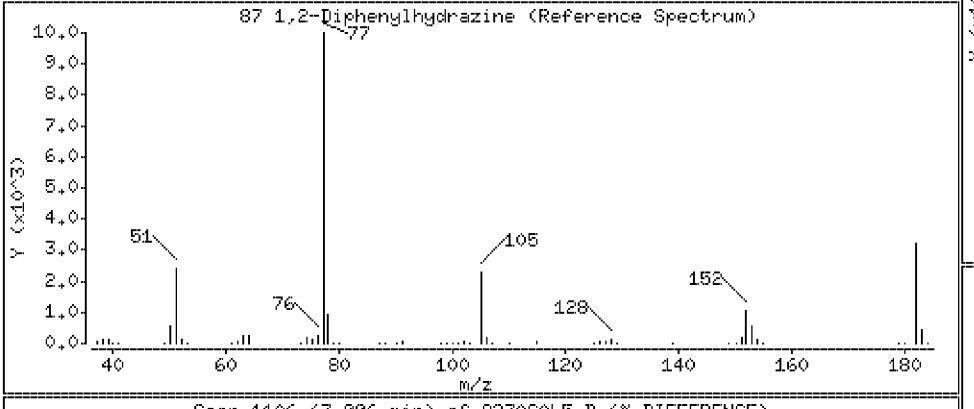
Concentration: 60.6 ug/l

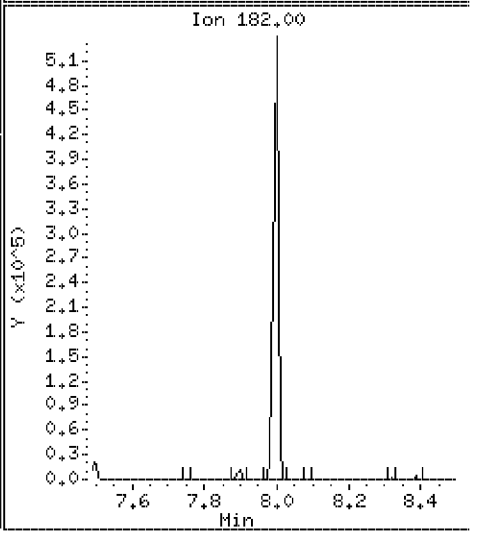


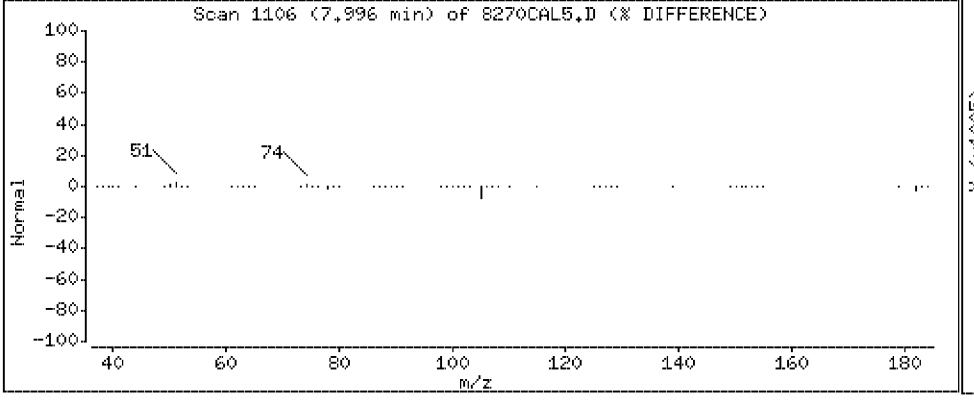












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

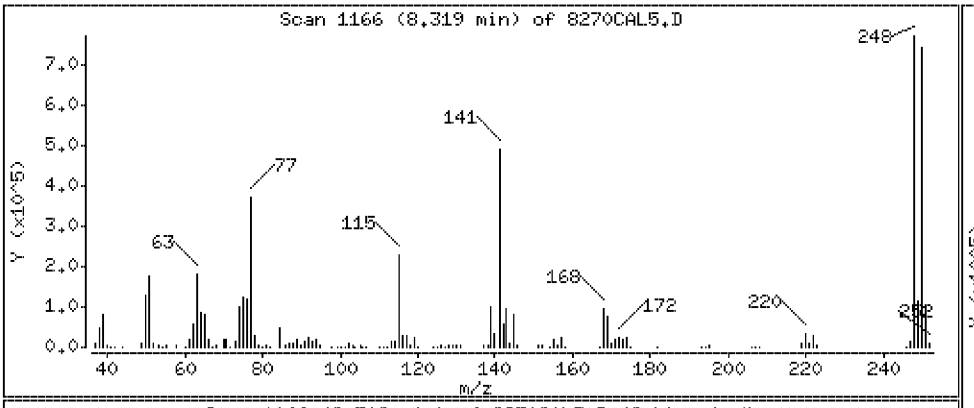
Operator: PEL

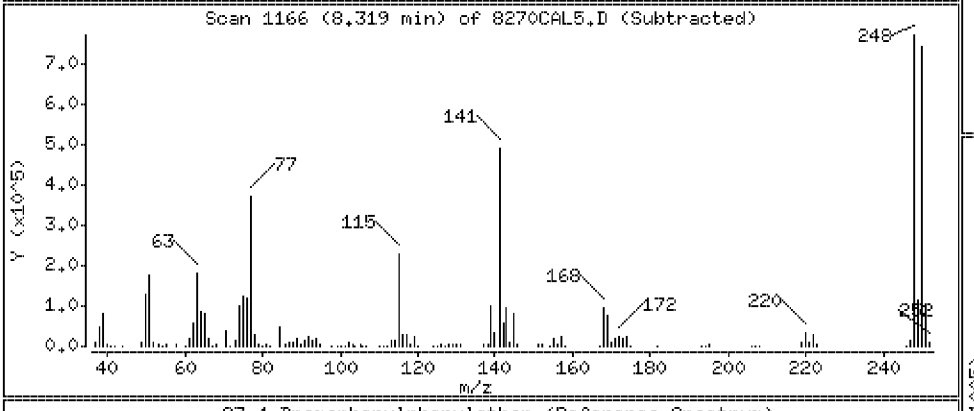
Column phase: HPMS-5

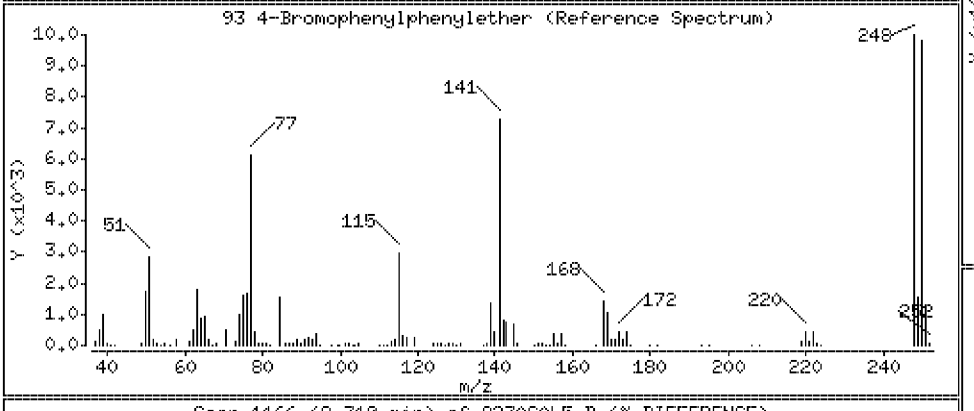
Column diameter: 0.25

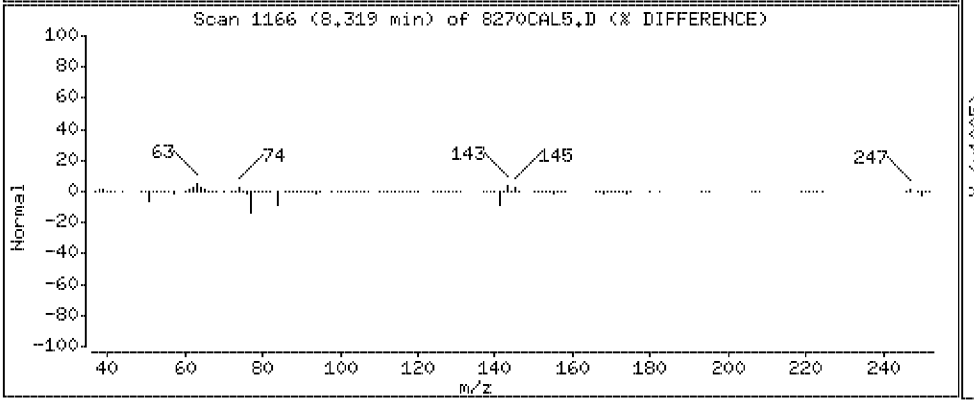
93 4-Bromophenylphenylether

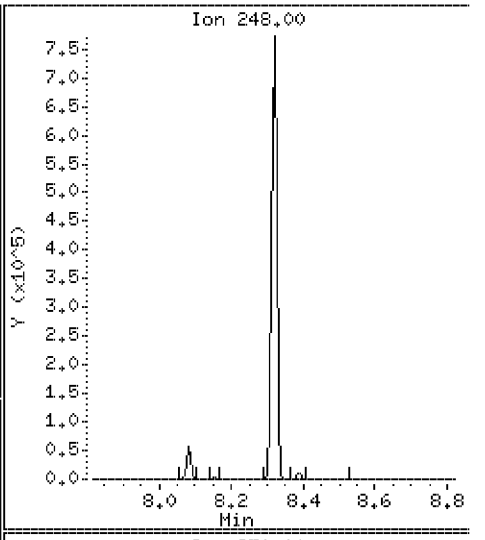
Concentration: 61.2 ug/l

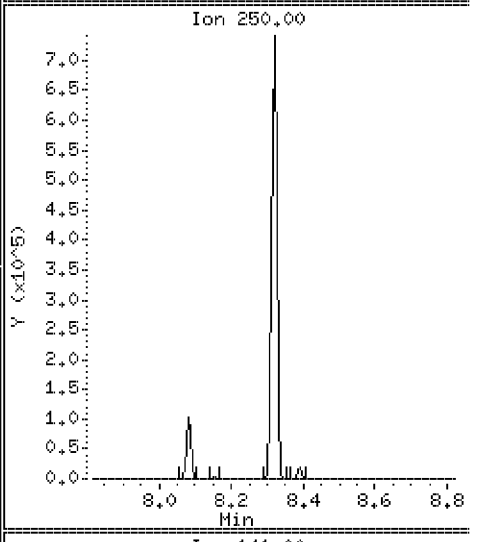


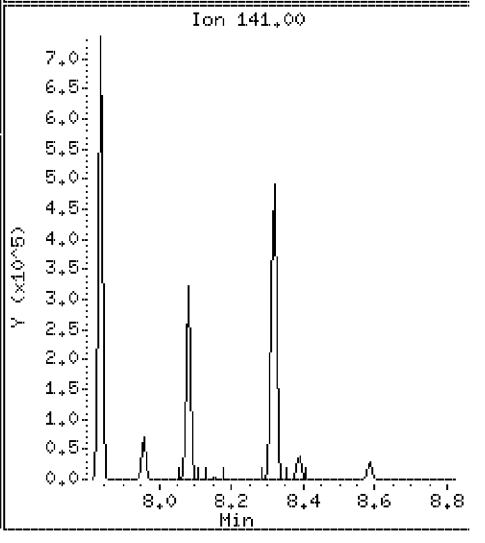












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

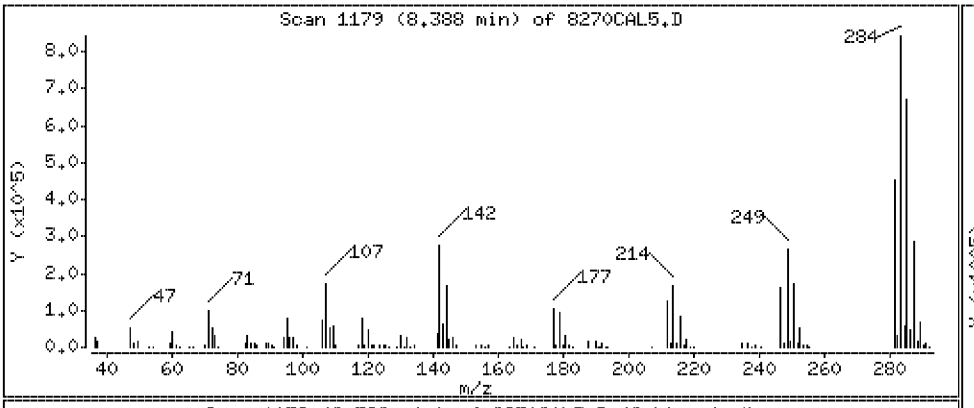
Operator: PEL

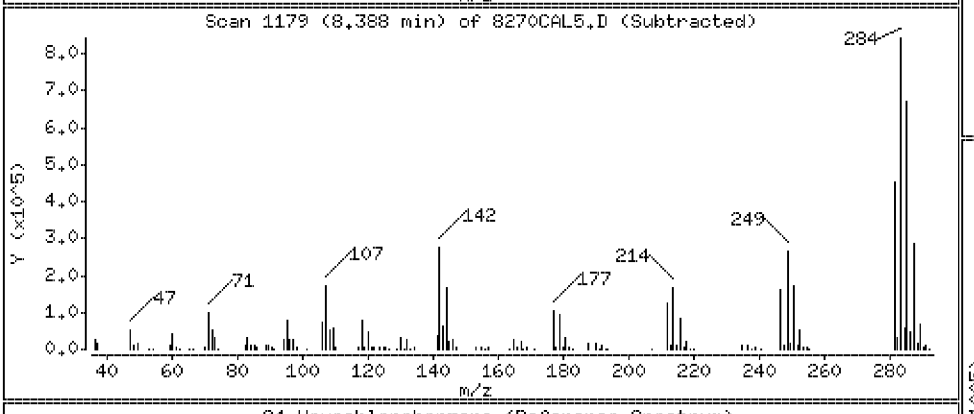
Column phase: HPMS-5

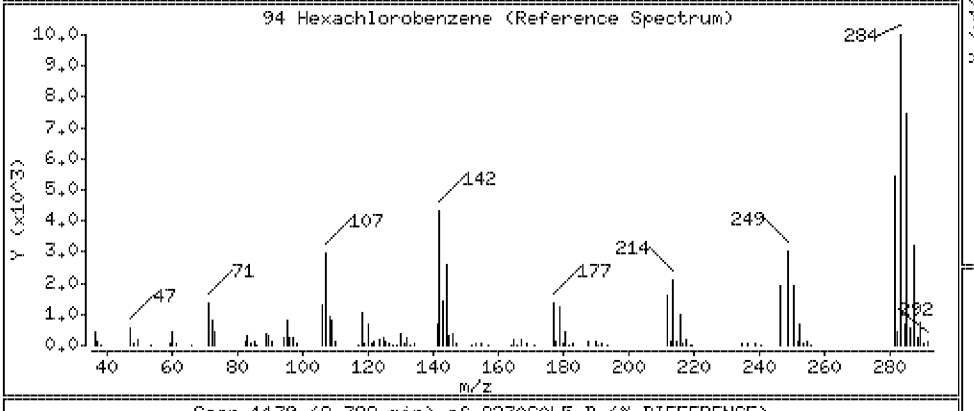
Column diameter: 0.25

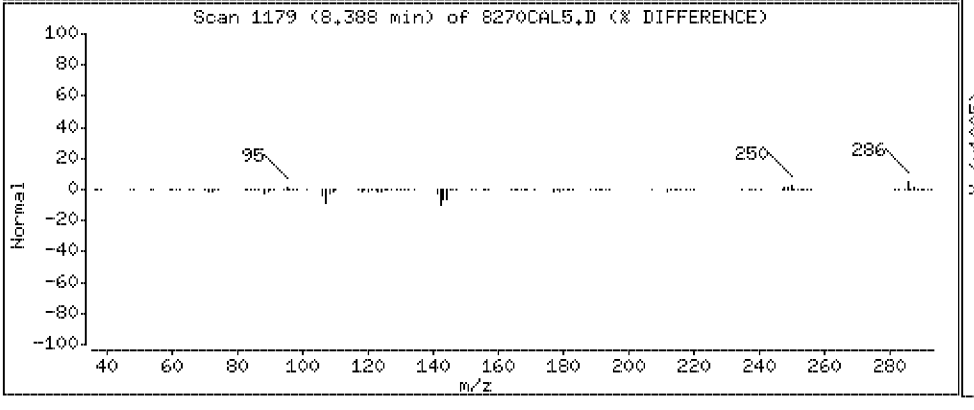
94 Hexachlorobenzene

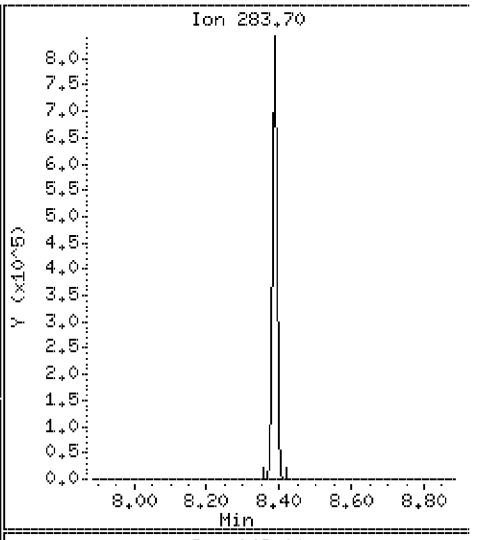
Concentration: 62.1 ug/l

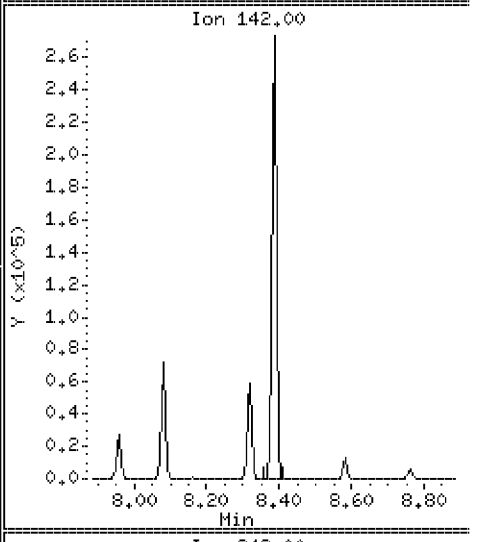


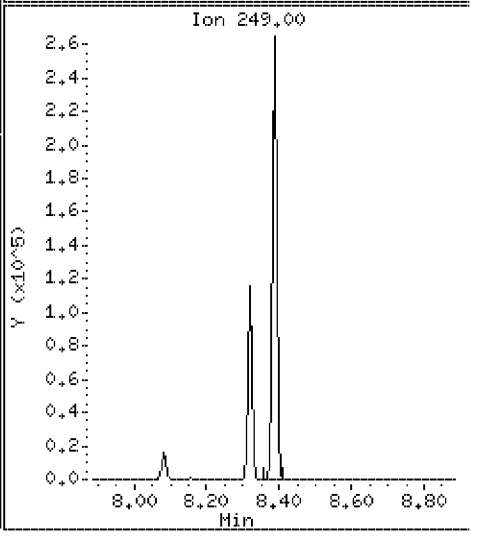












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

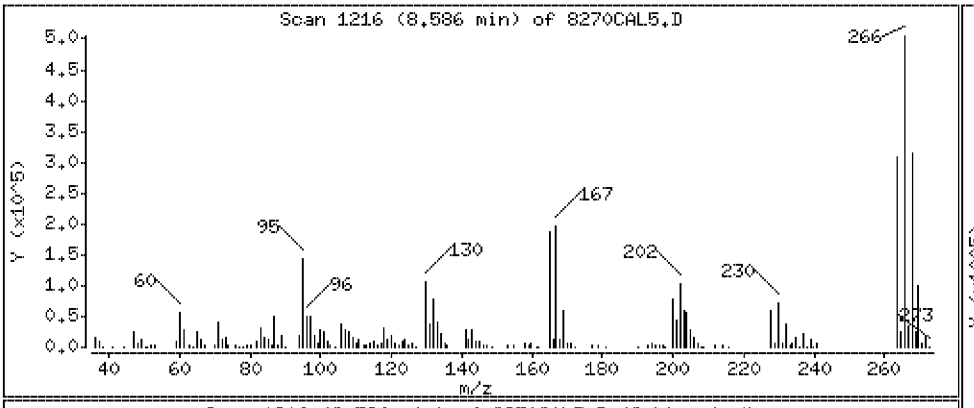
Operator: PEL

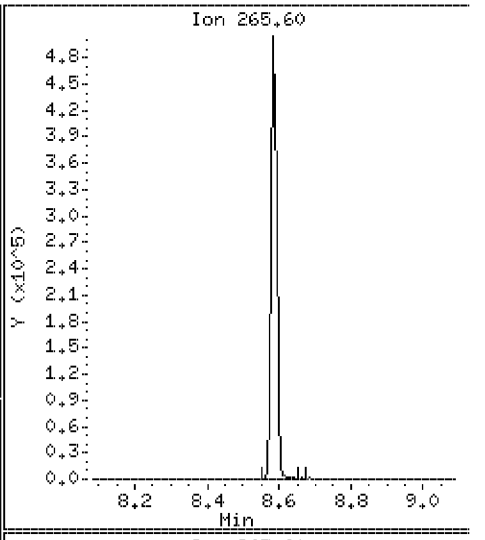
Column phase: HPMS-5

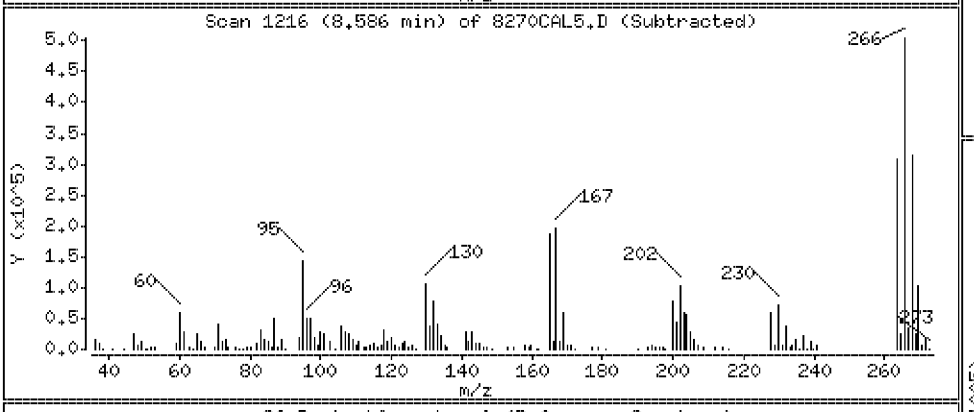
Column diameter: 0.25

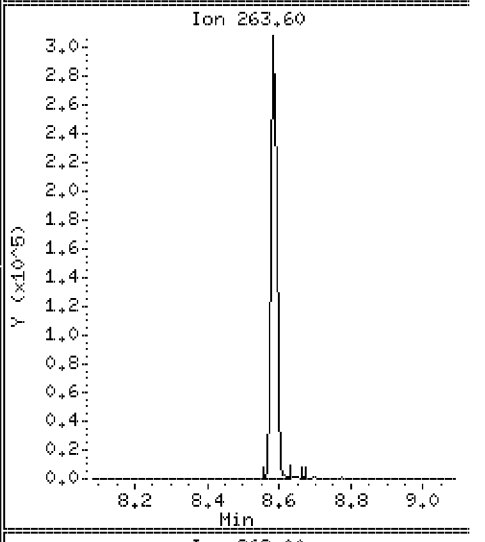
96 Pentachlorophenol

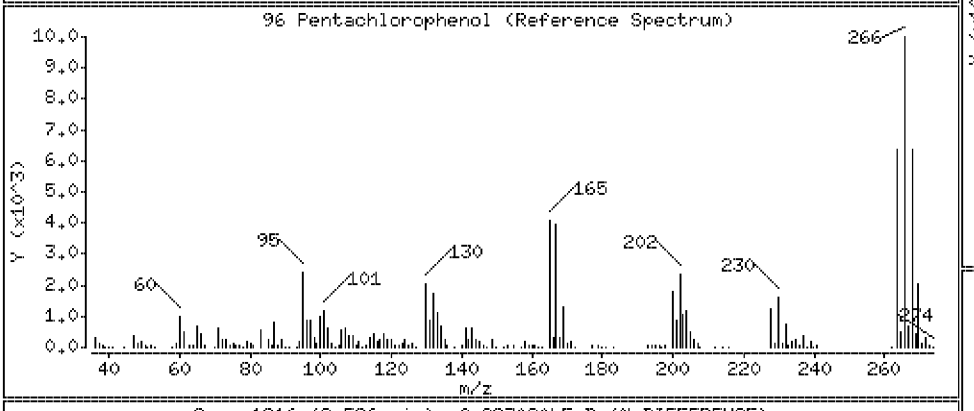
Concentration: 63.7 ug/l

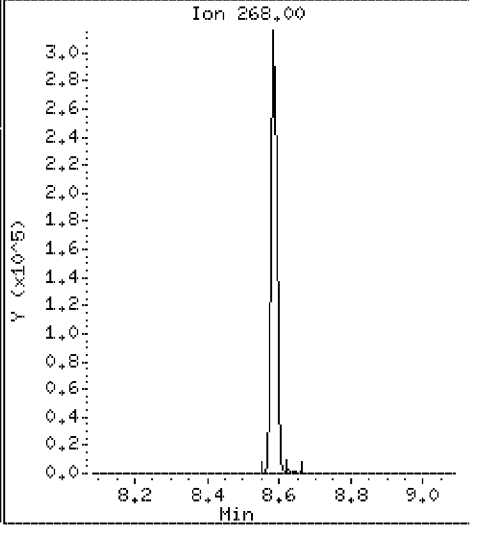


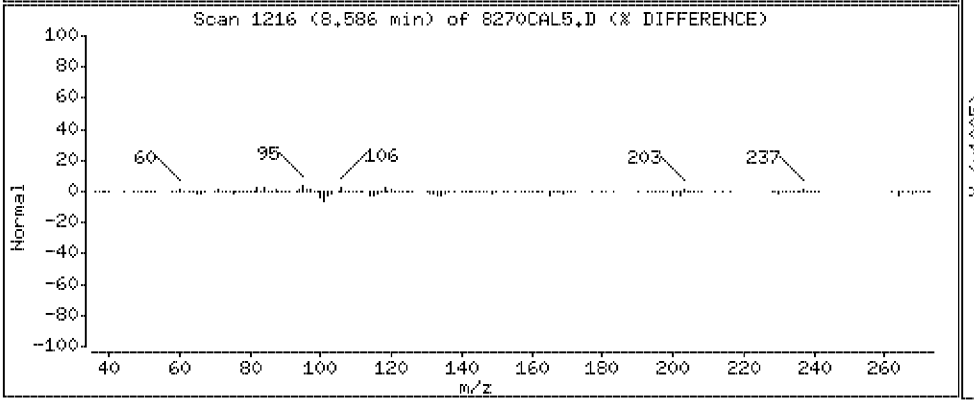












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

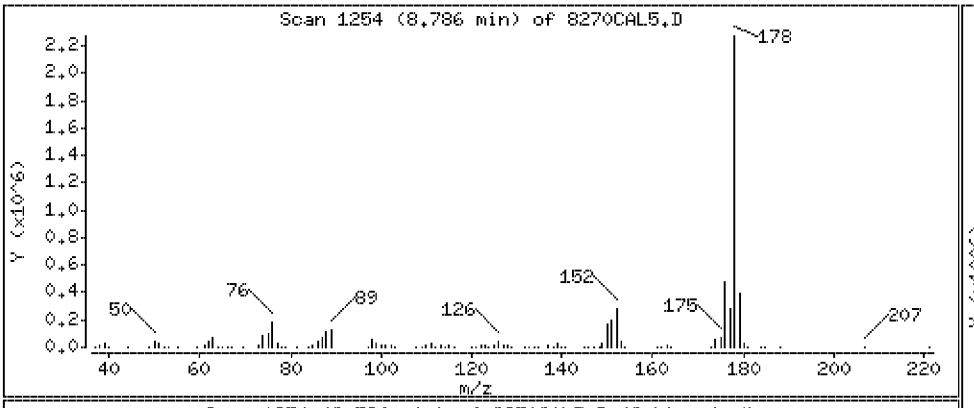
Operator: PEL

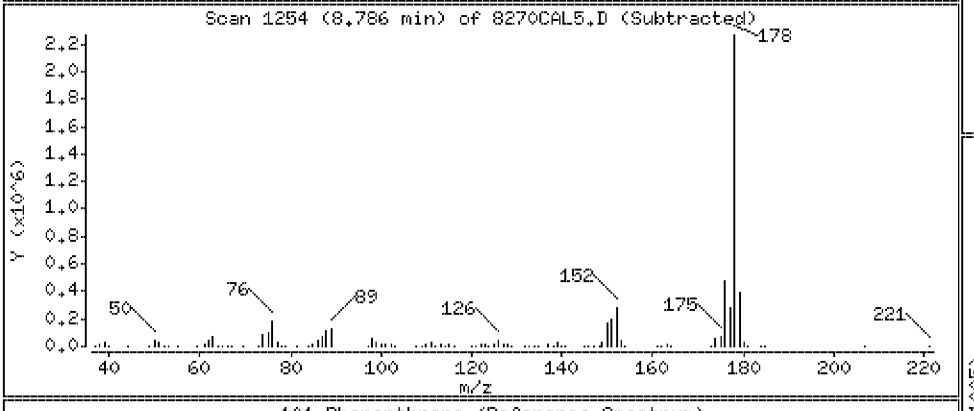
Column phase: HPMS-5

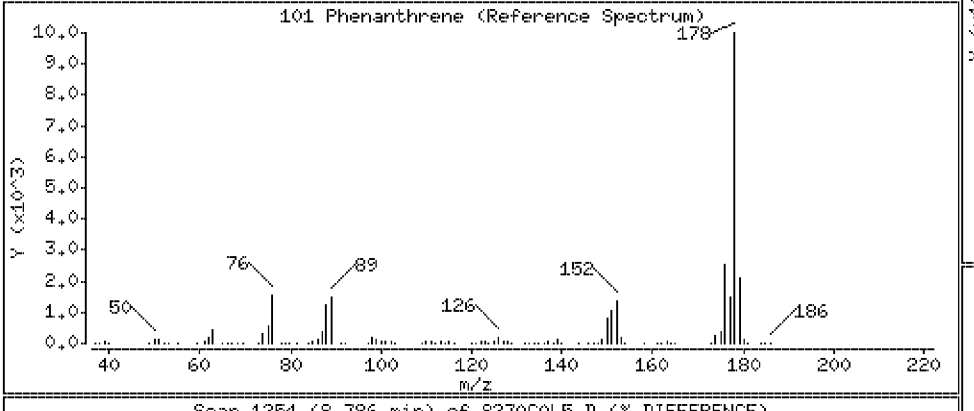
Column diameter: 0.25

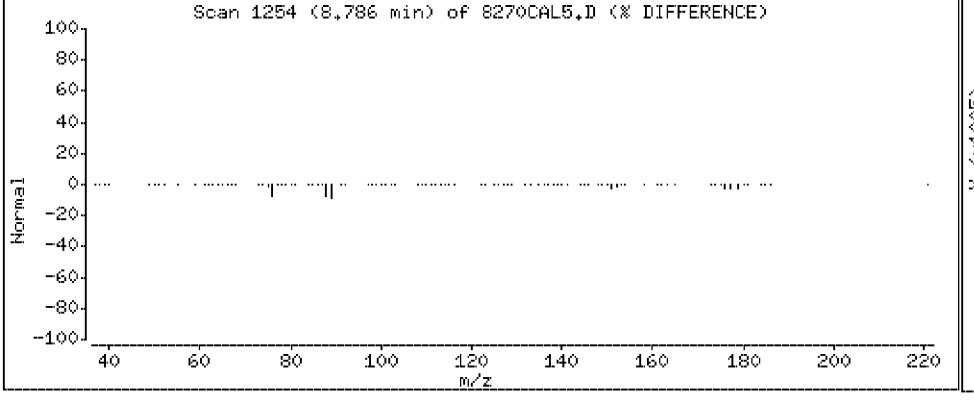
101 Phenanthrene

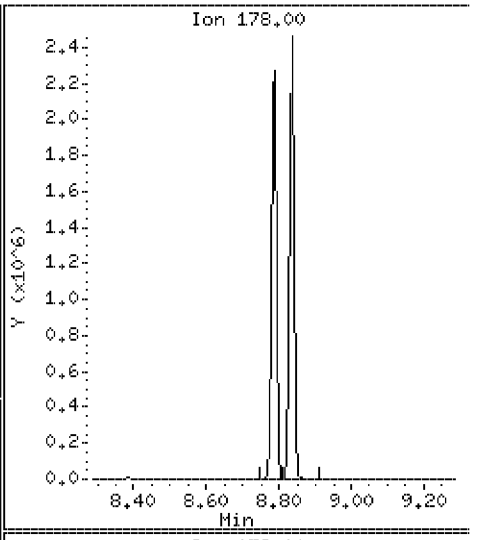
Concentration: 60.4 ug/l

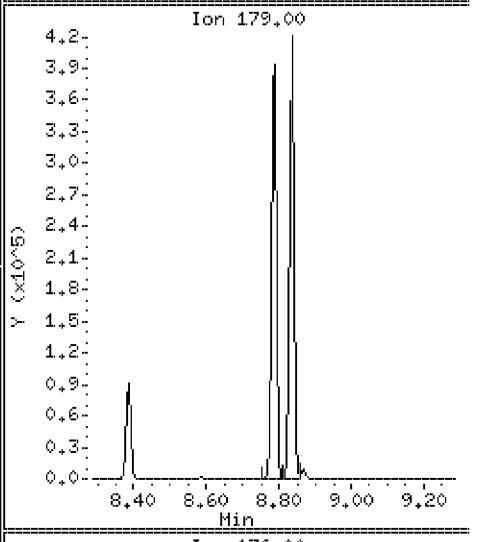


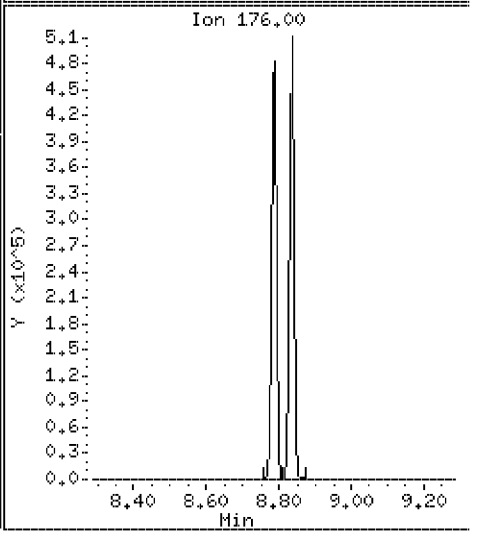












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

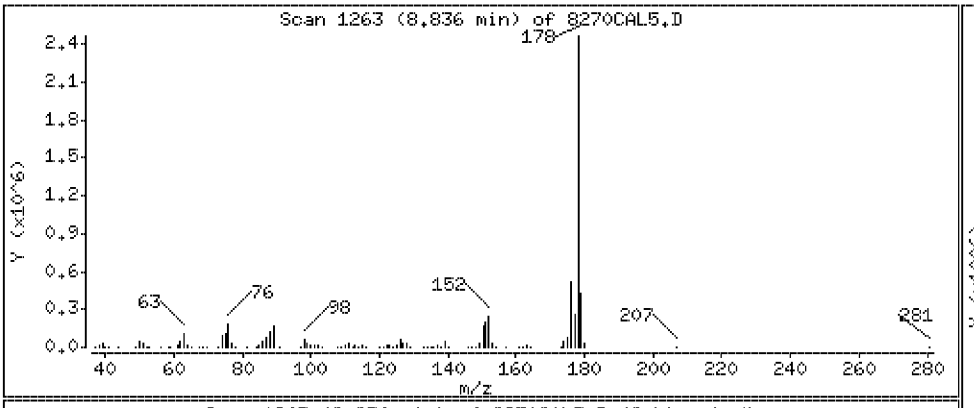
Operator: PEL

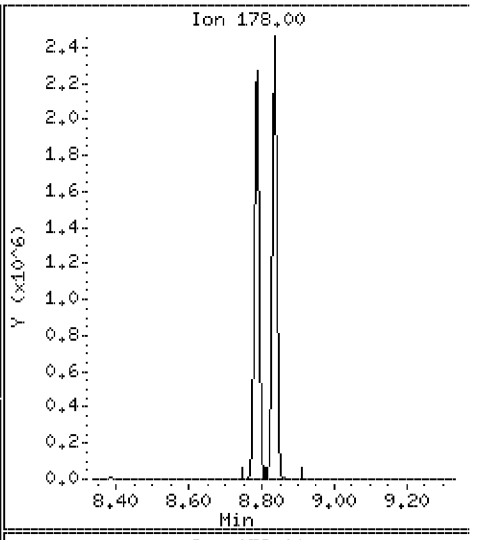
Column phase: HPMS-5

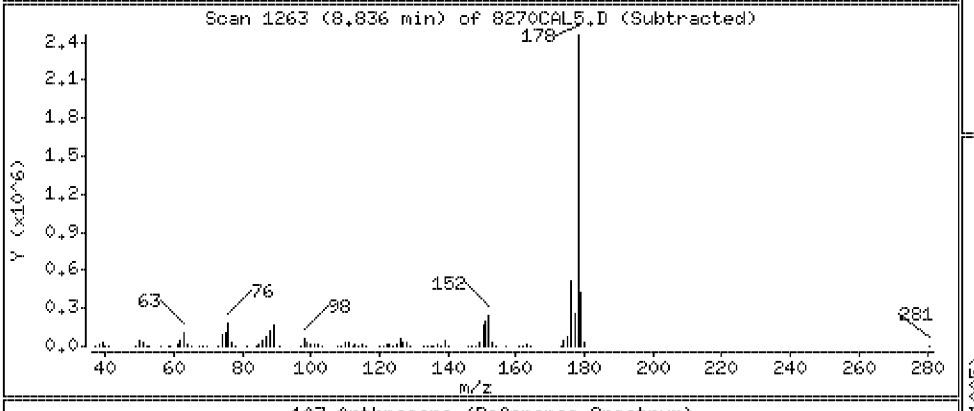
Column diameter: 0.25

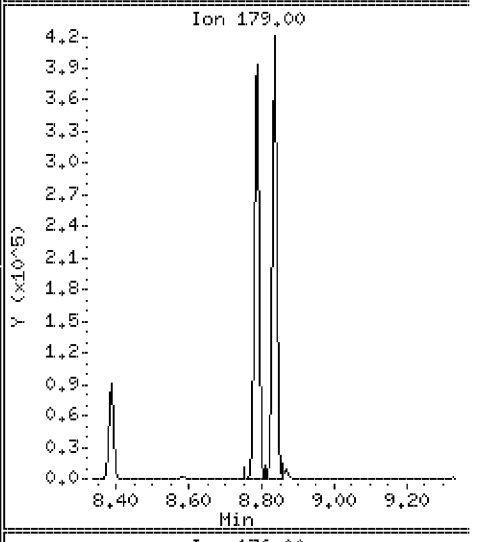
103 Anthracene

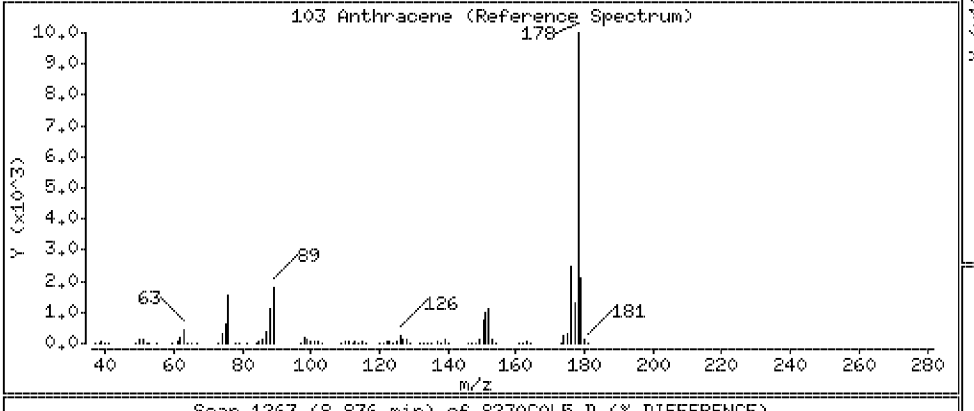
Concentration: 61.8 ug/l

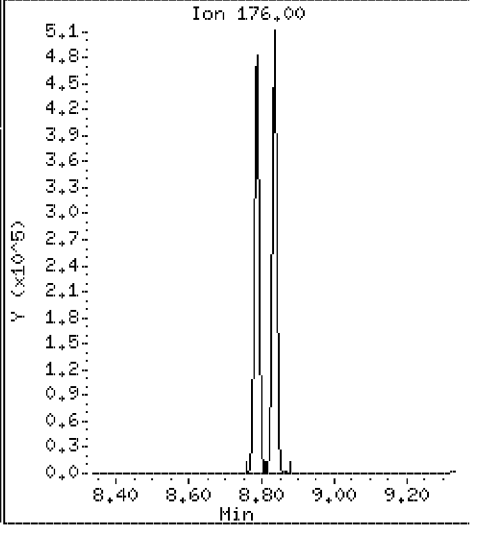


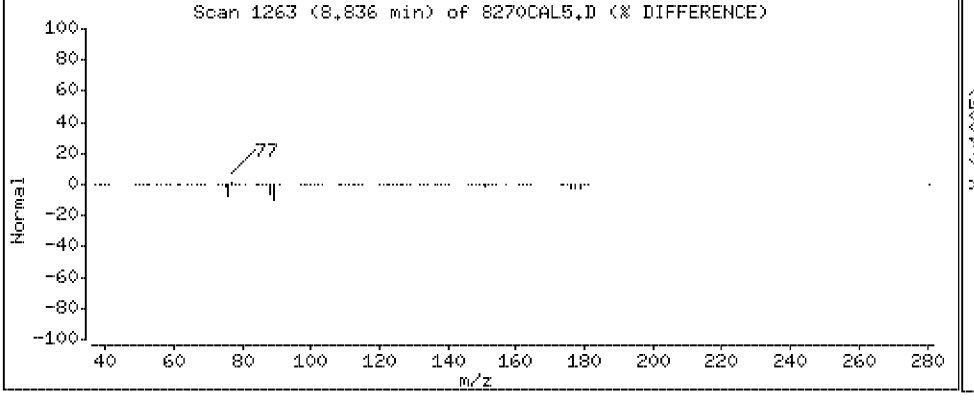












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

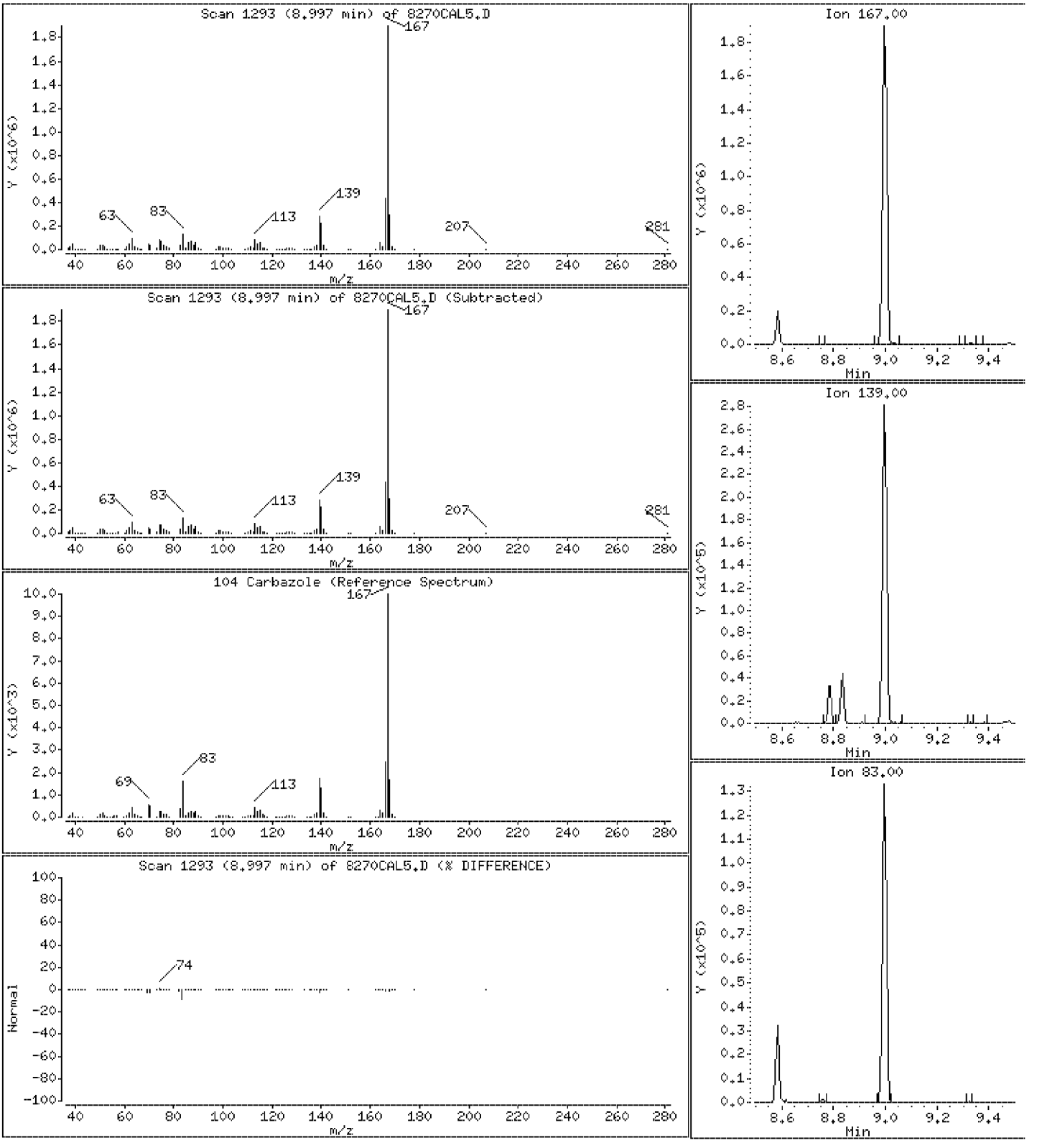
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

104 Carbazole

Concentration: 59.5 ug/l



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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

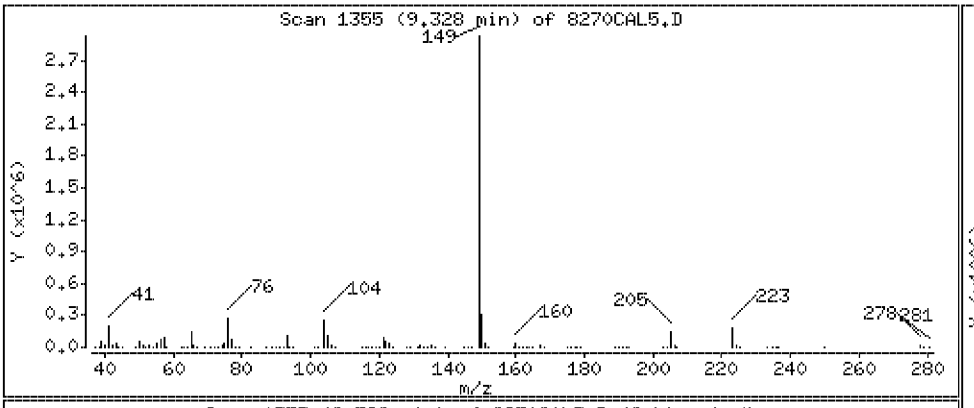
Operator: PEL

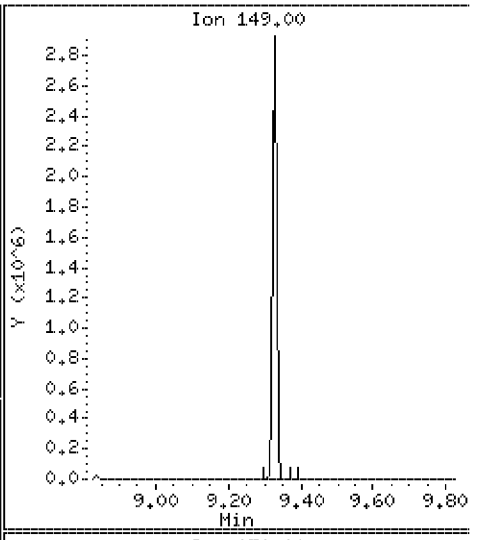
Column phase: HPMS-5

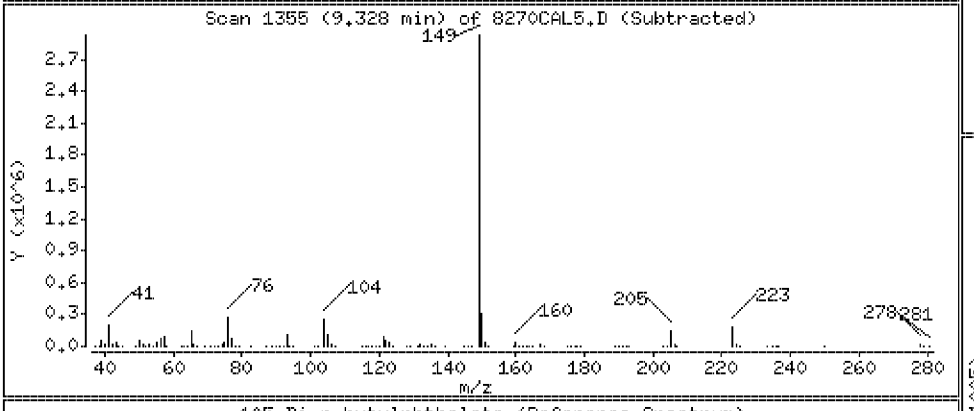
Column diameter: 0.25

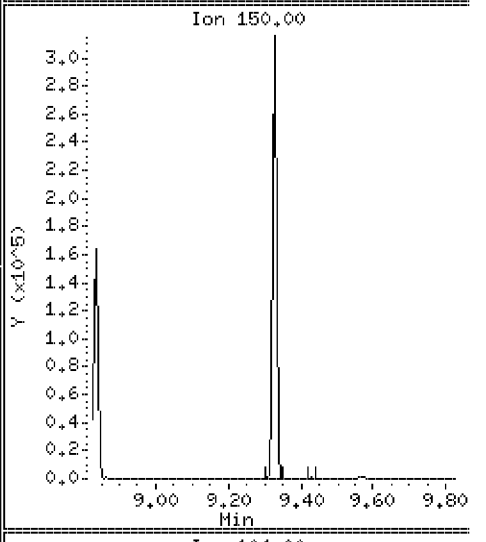
105 Di-n-butylphthalate

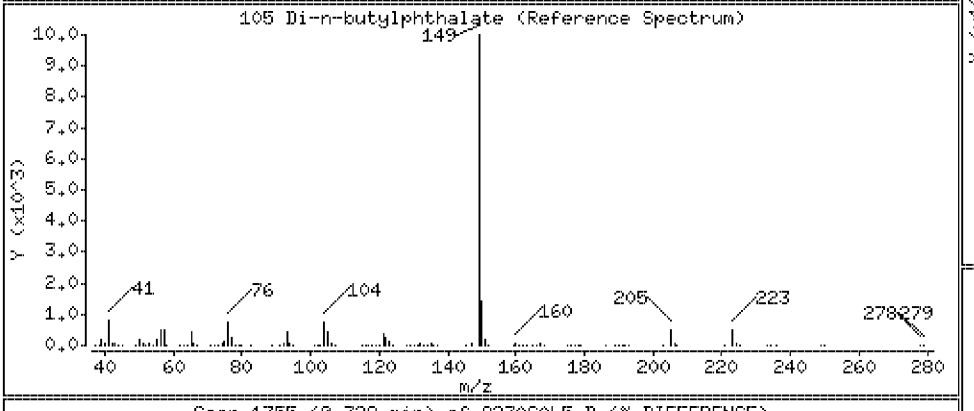
Concentration: 61.8 ug/l

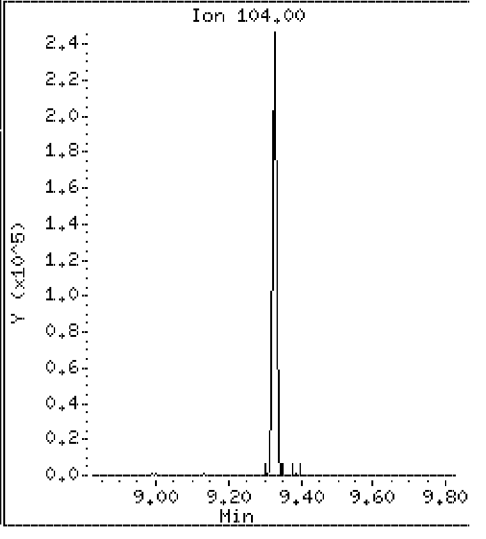


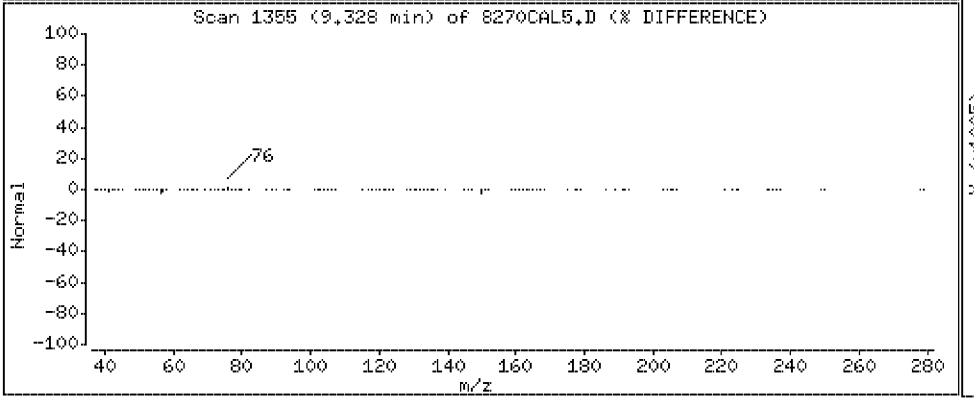












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

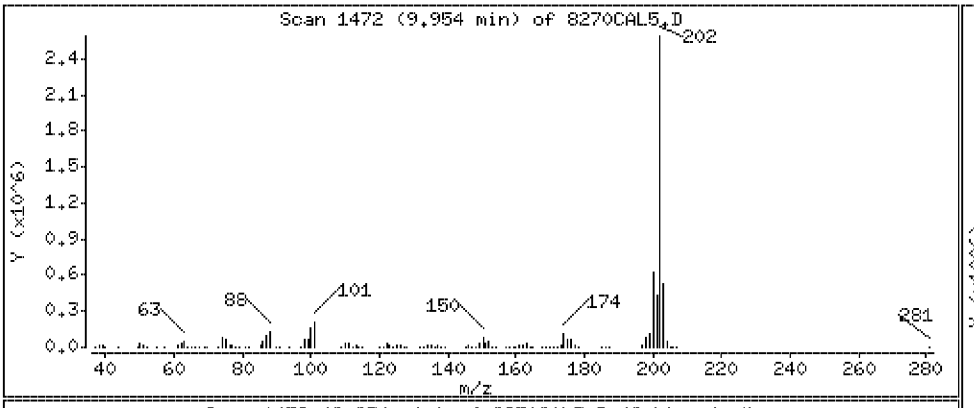
Operator: PEL

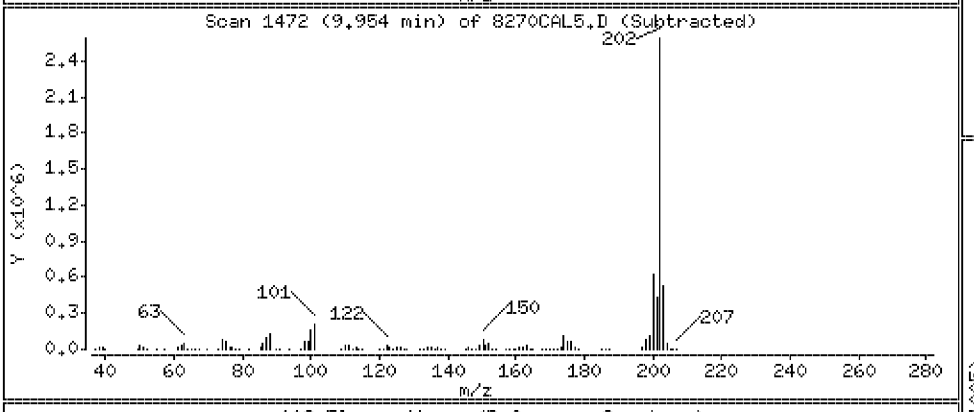
Column phase: HPMS-5

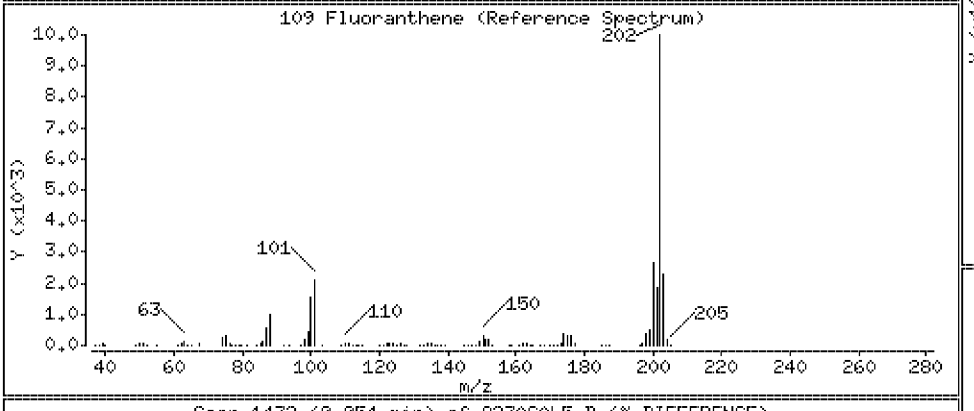
Column diameter: 0.25

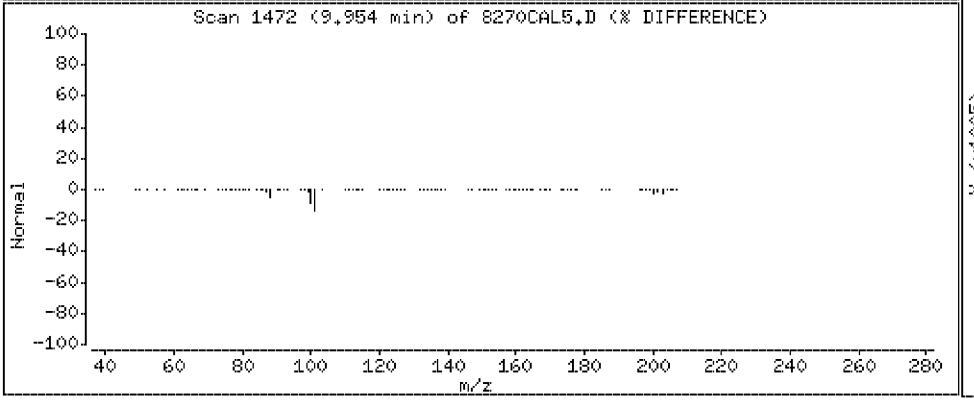
109 Fluoranthene

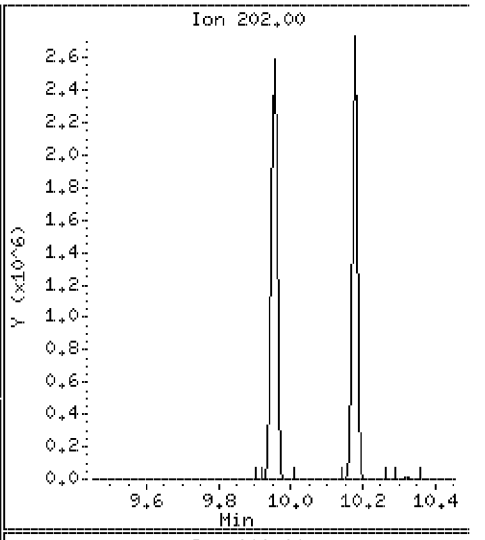
Concentration: 59.6 ug/l

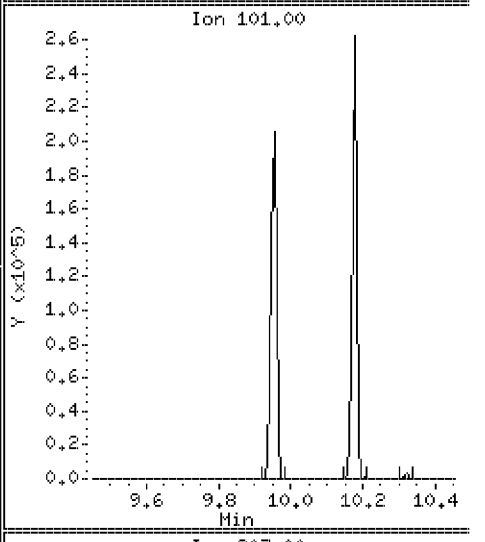


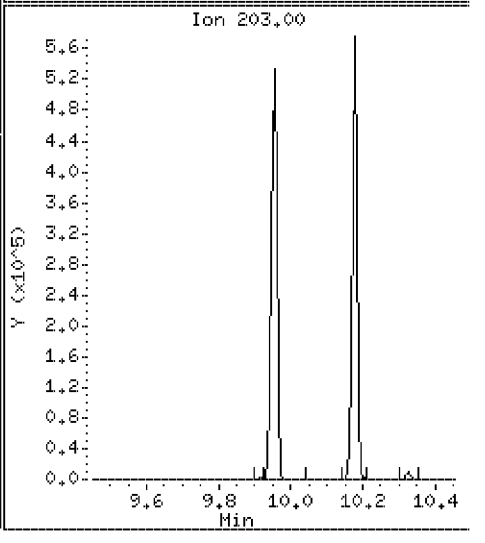












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

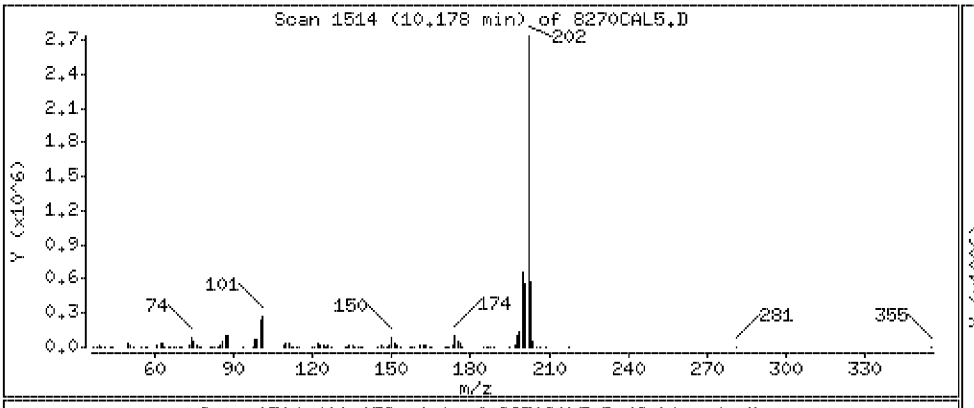
Operator: PEL

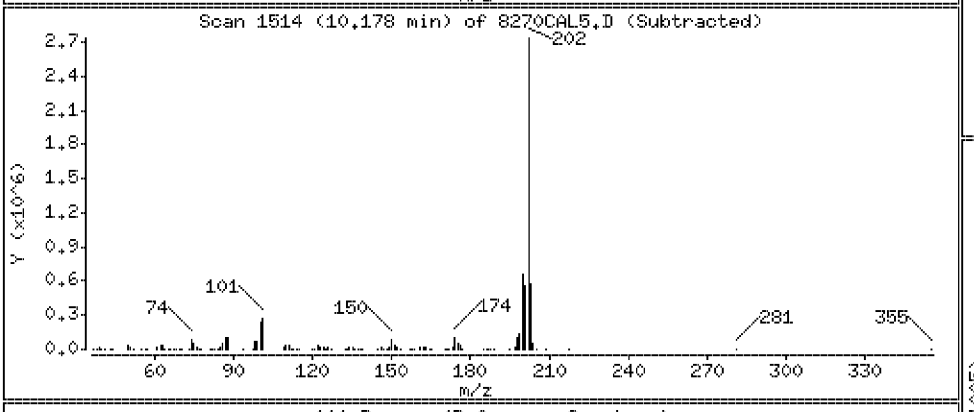
Column phase: HPMS-5

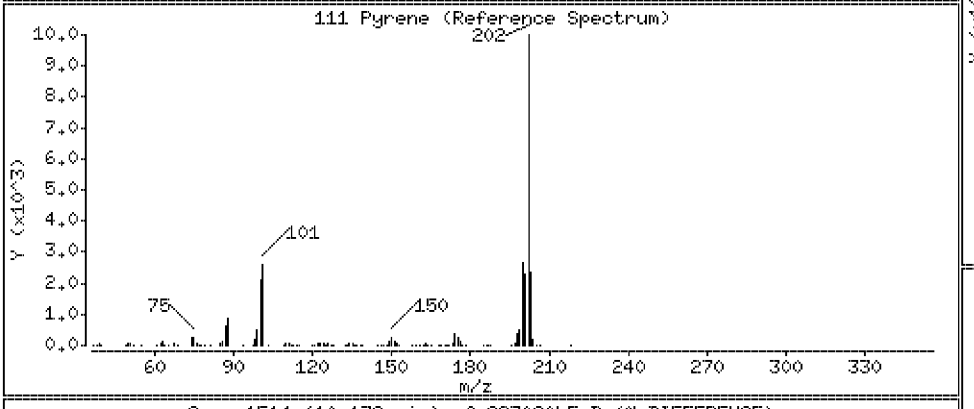
Column diameter: 0.25

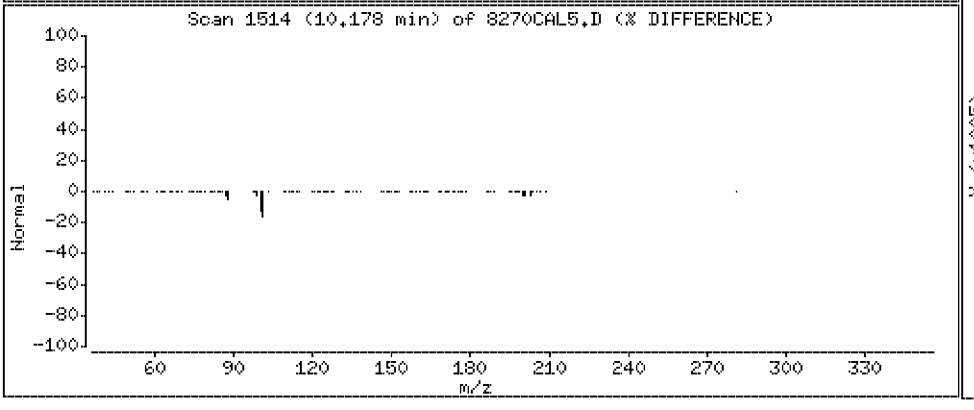
111 Pyrene

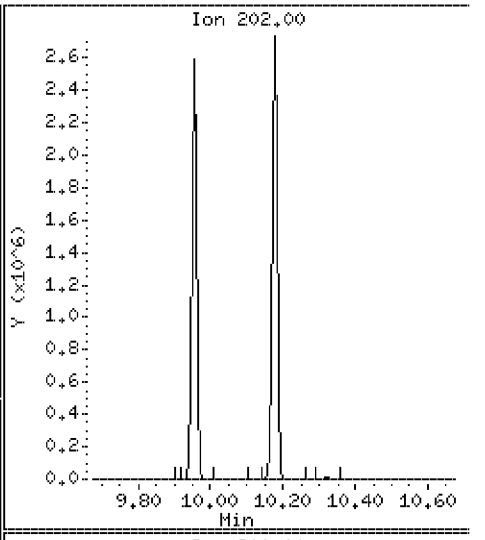
Concentration: 55.7 ug/l

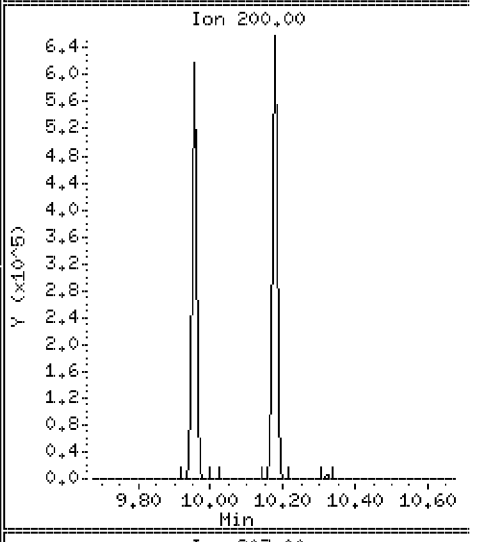


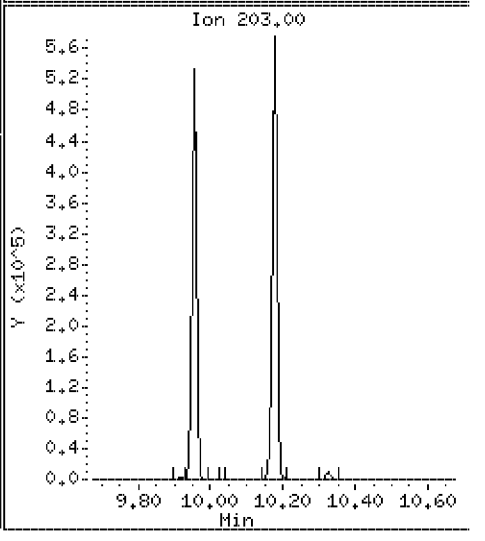












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

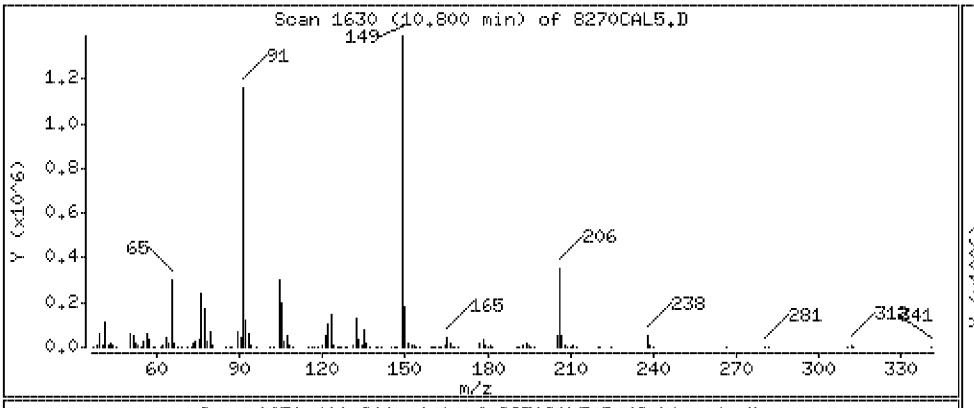
Operator: PEL

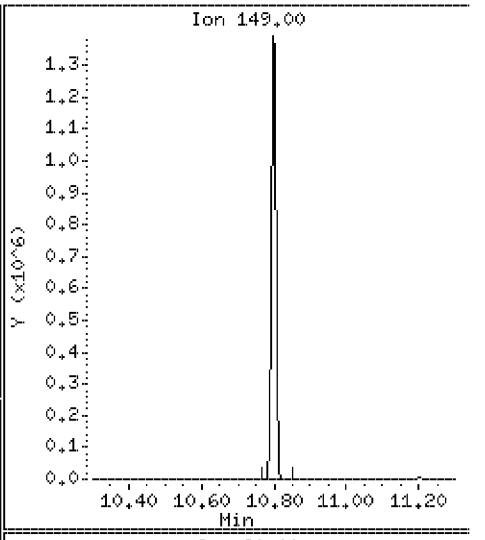
Column phase: HPMS-5

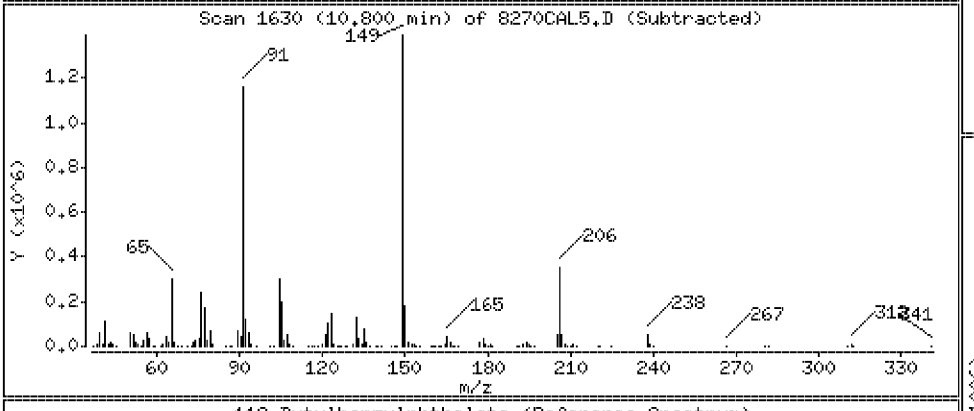
Column diameter: 0.25

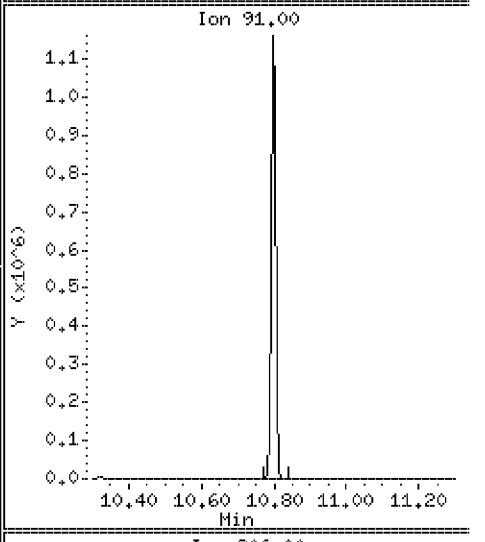
118 Butylbenzylphthalate

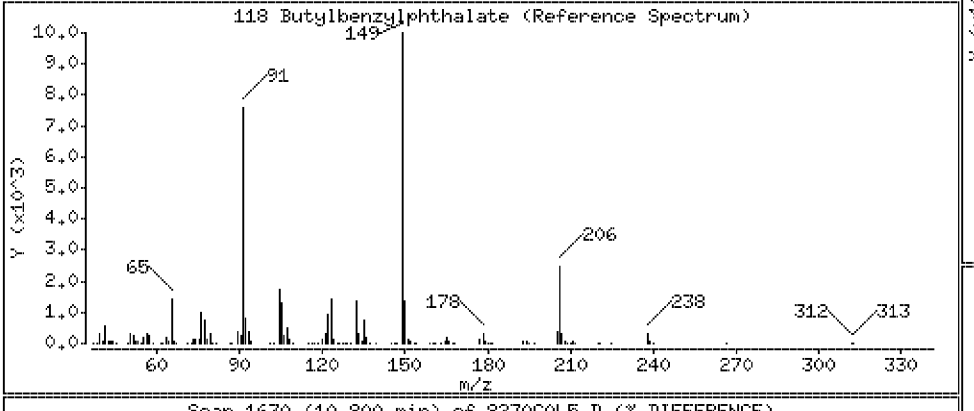
Concentration: 59.8 ug/l

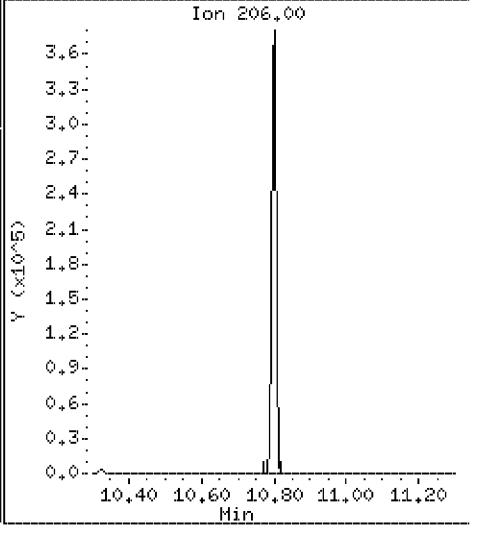


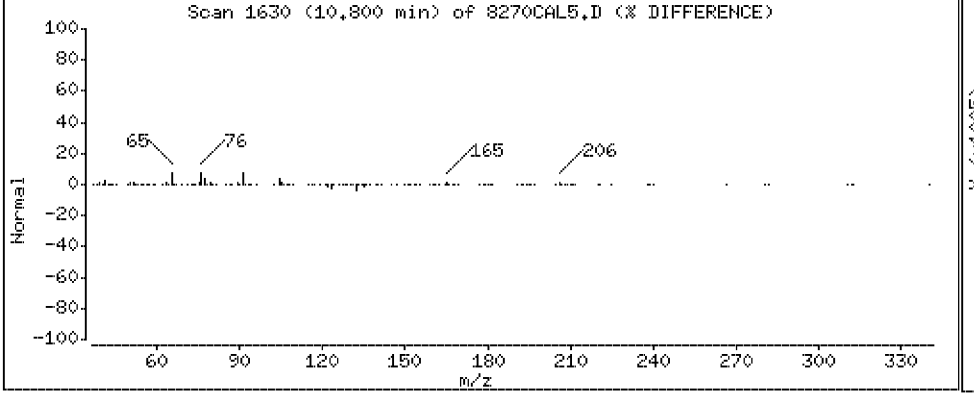












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

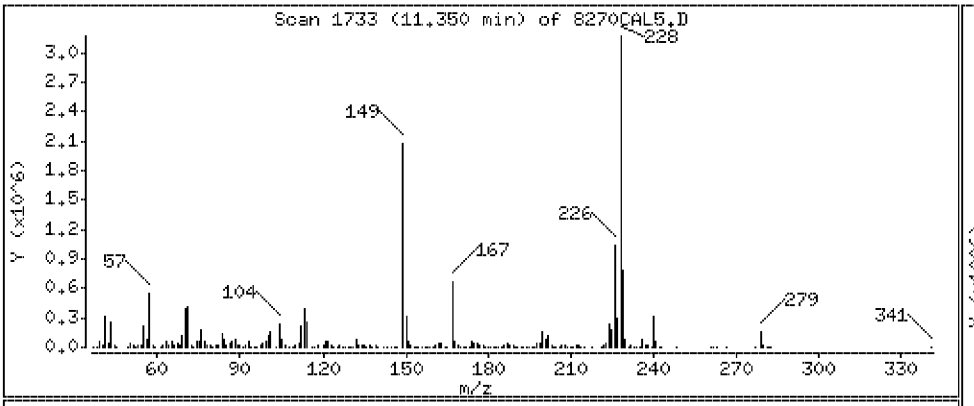
Operator: PEL

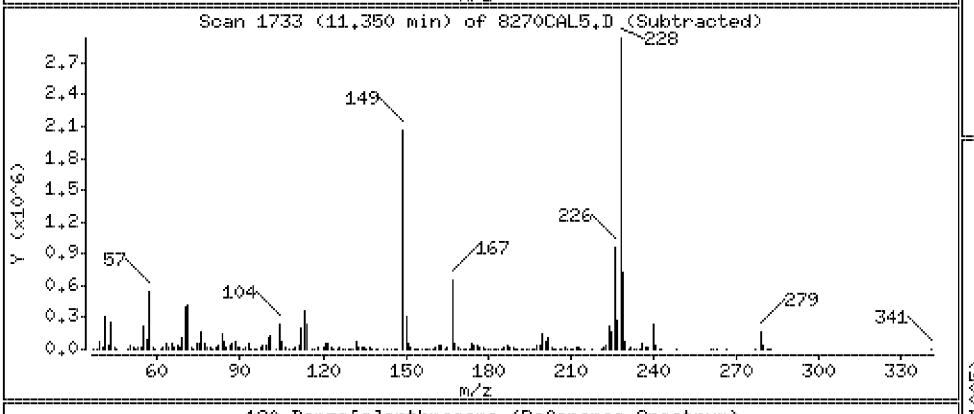
Column phase: HPMS-5

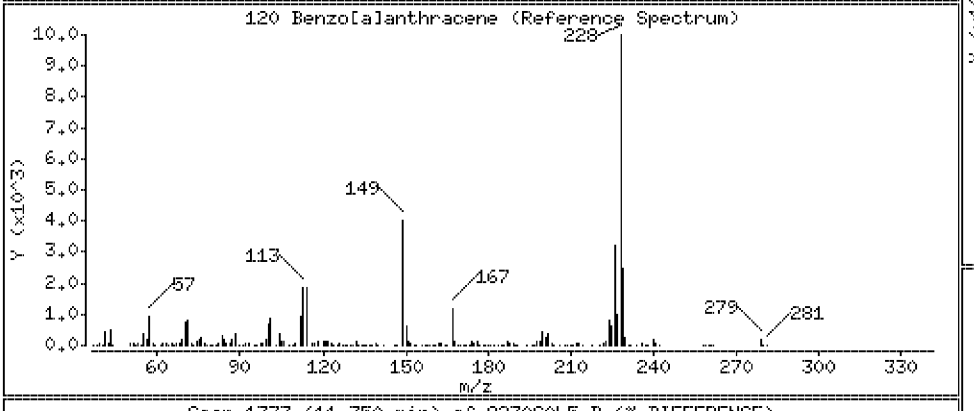
Column diameter: 0.25

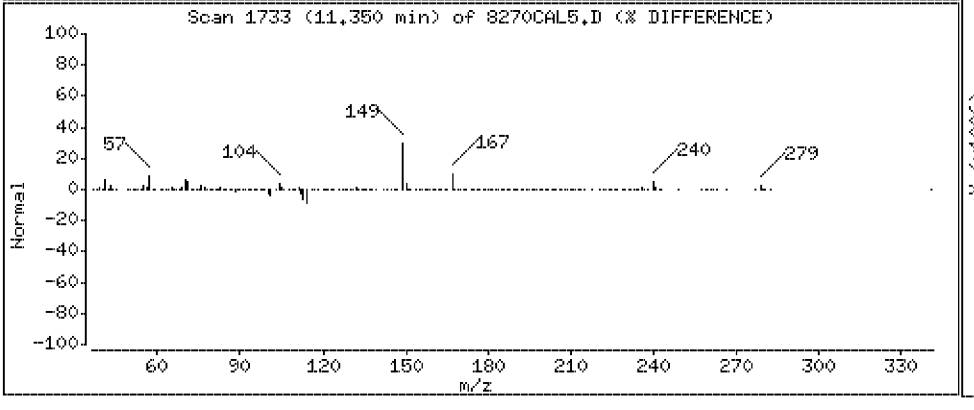
120 Benzo[a]anthracene

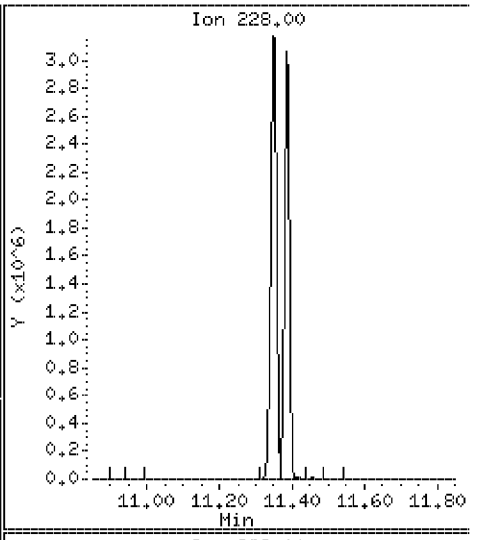
Concentration: 59.9 ug/l

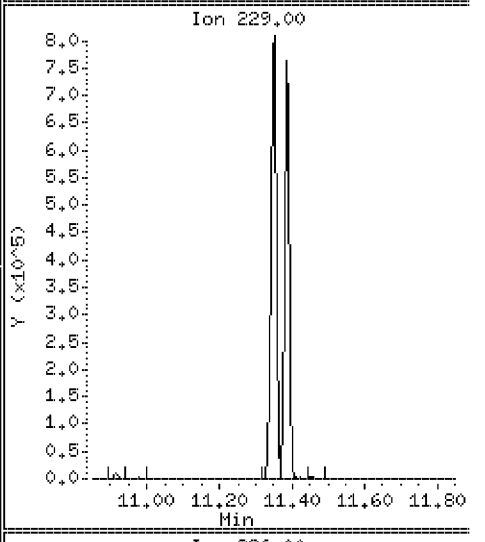


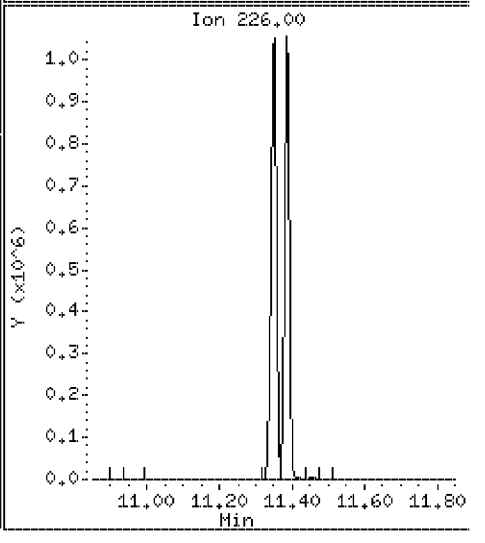












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

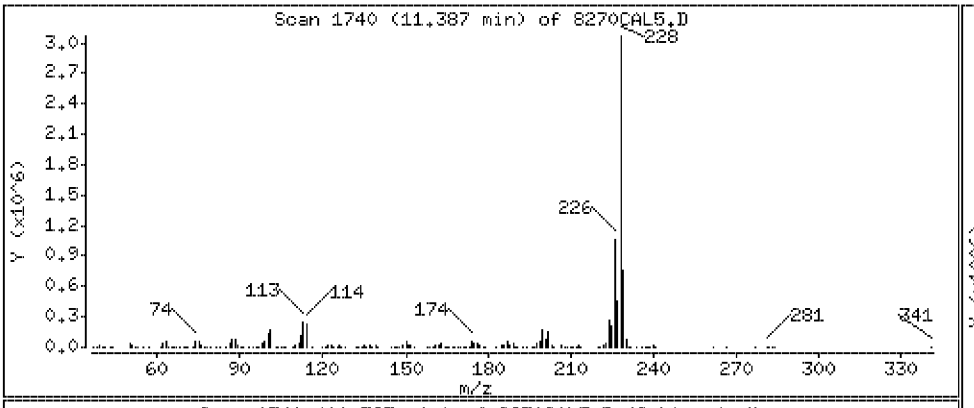
Operator: PEL

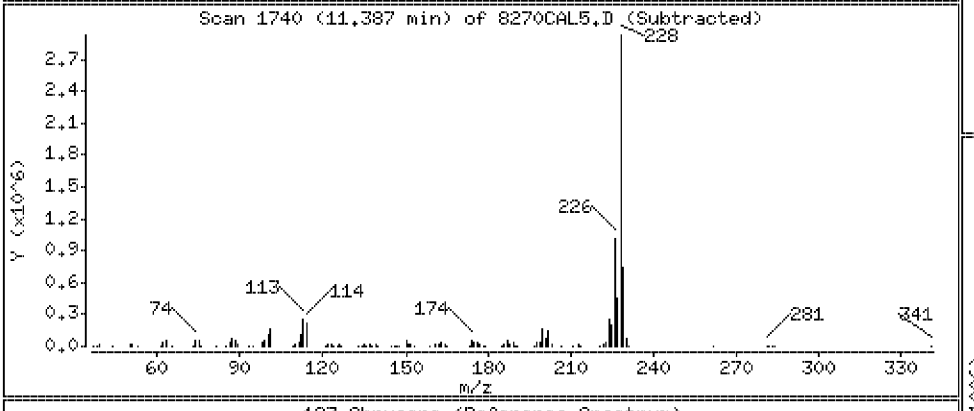
Column phase: HPMS-5

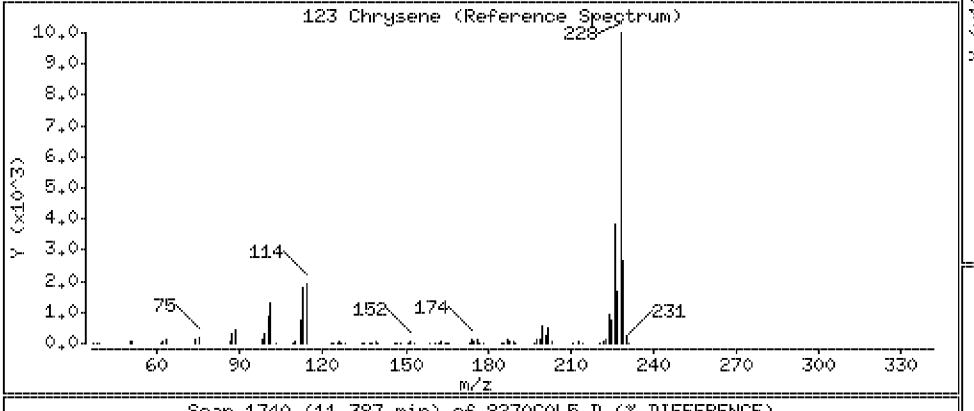
Column diameter: 0.25

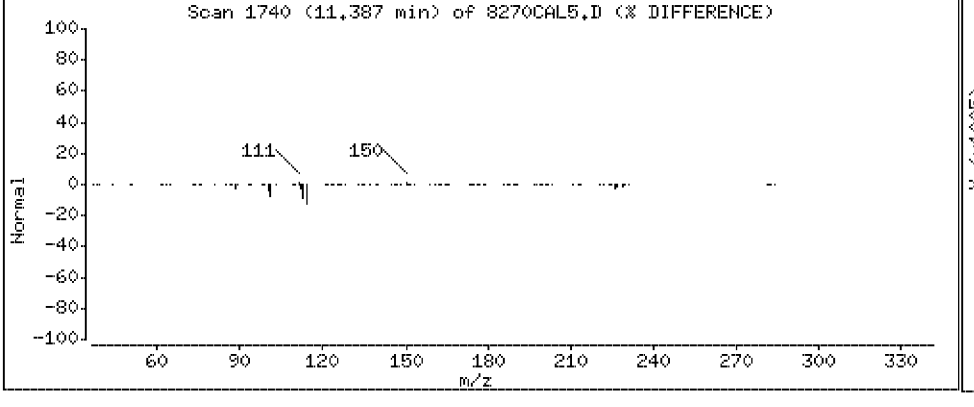
123 Chrysene

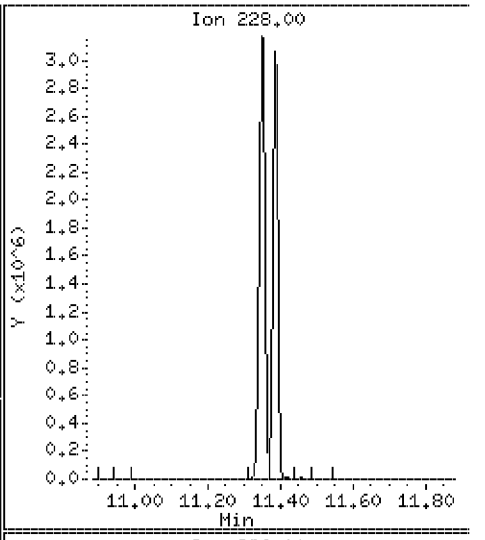
Concentration: 56.4 ug/l

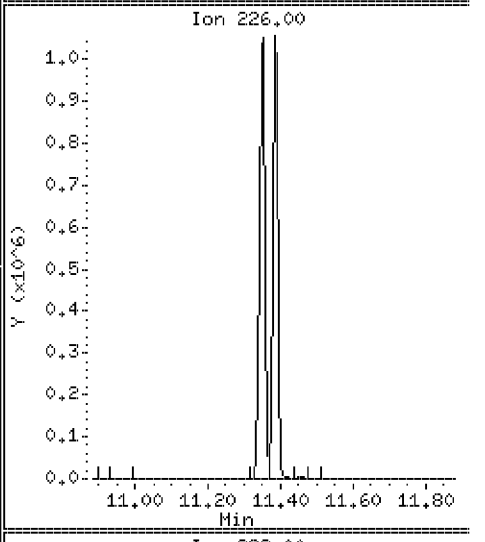


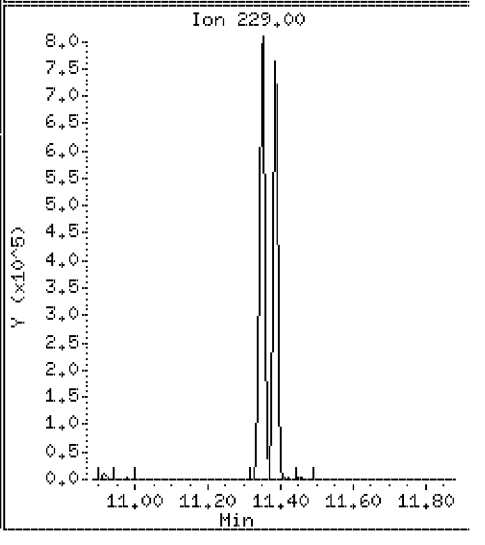












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

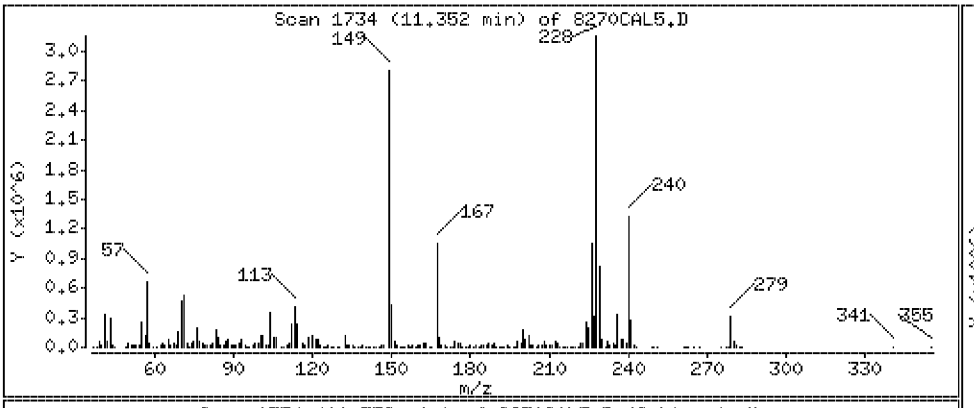
Client ID: 8270CAL5 Instrument: smsd03.i

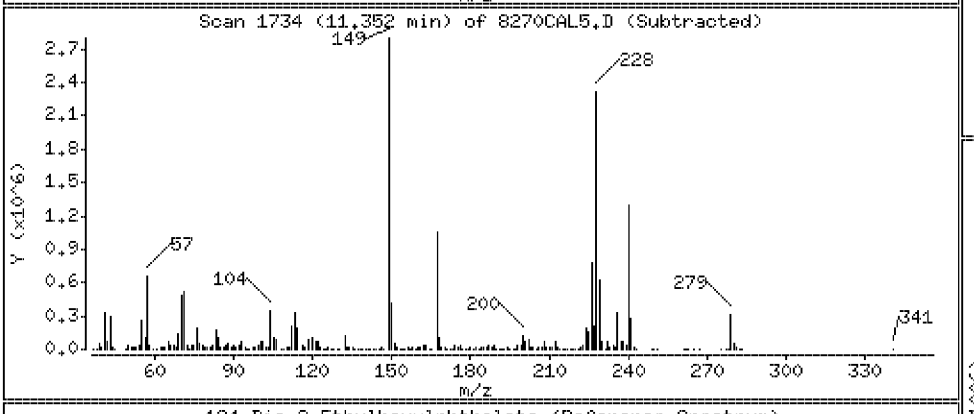
Sample Info: 45923

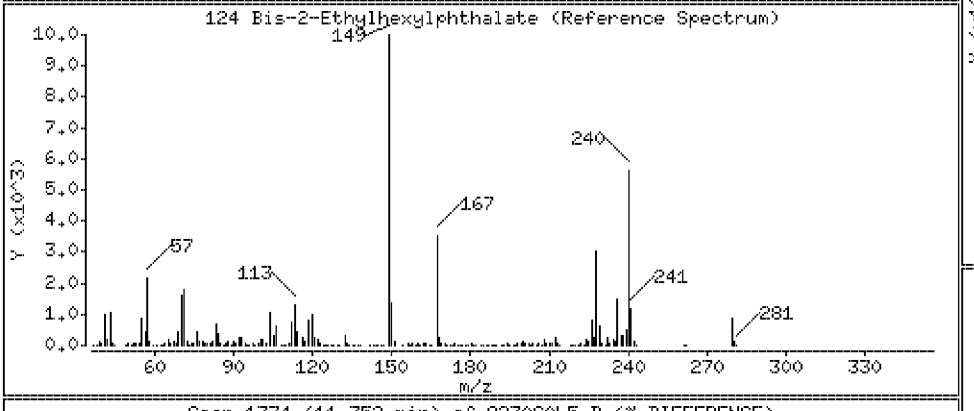
Purge Volume: 1000.0 Operator: PEL

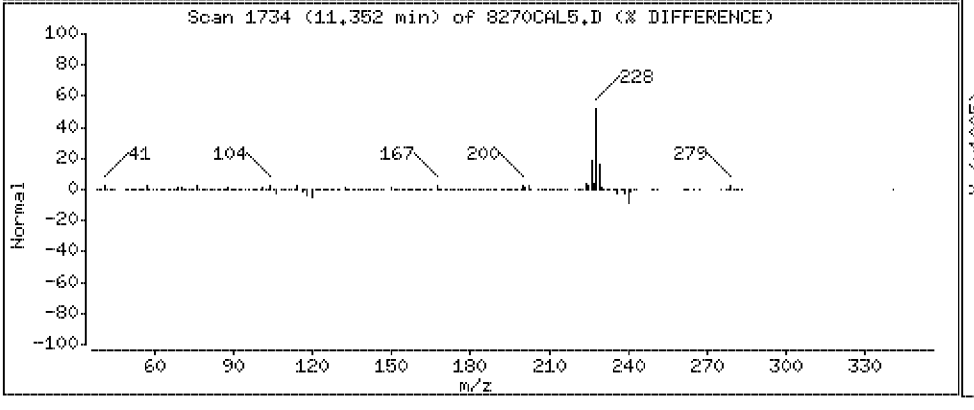
Column phase: HPMS-5 Column diameter: 0.25

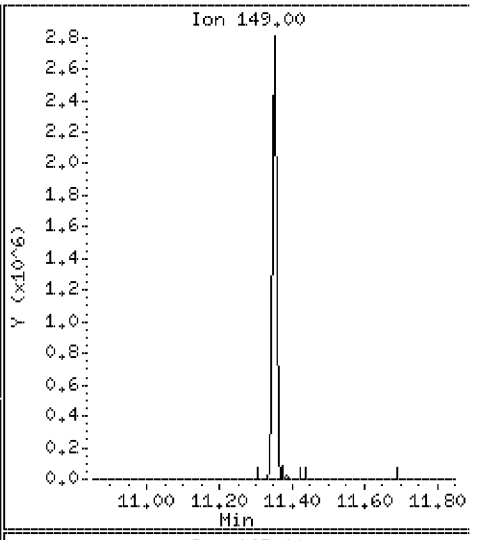
124 Bis-2-Ethylhexylphthalate Concentration: 62.6 ug/l

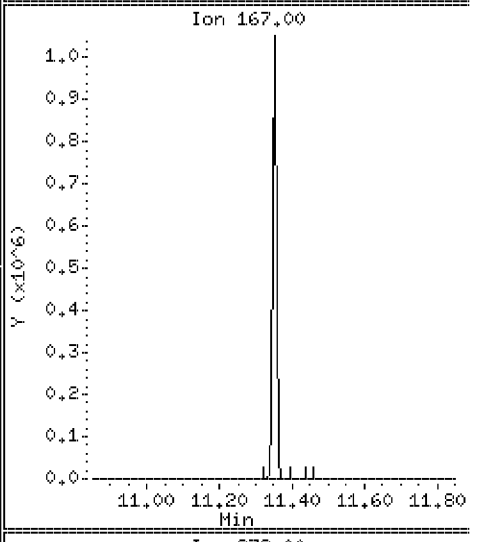


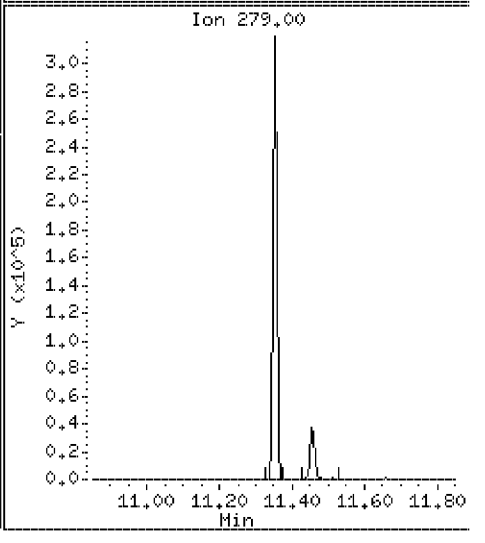












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

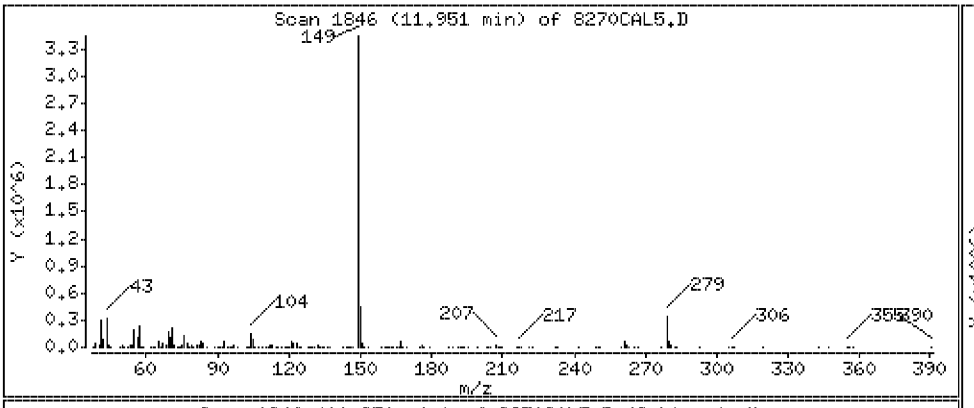
Operator: PEL

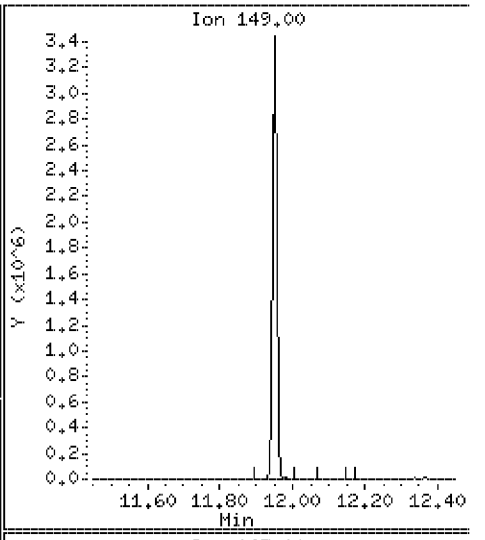
Column phase: HPMS-5

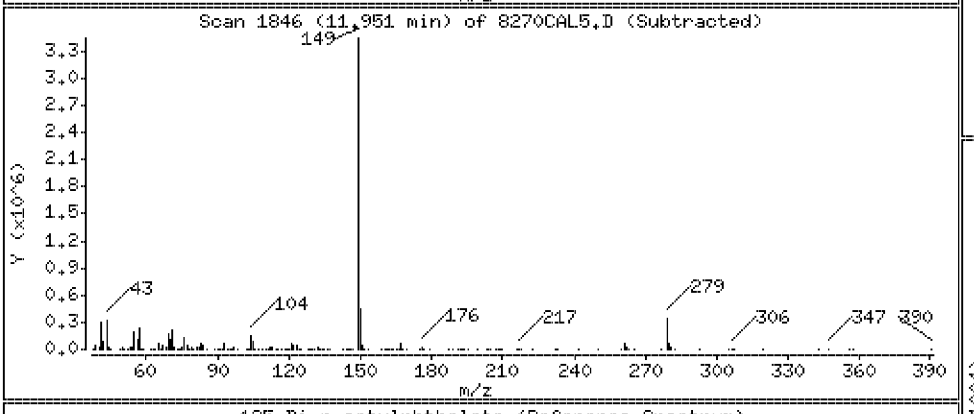
Column diameter: 0.25

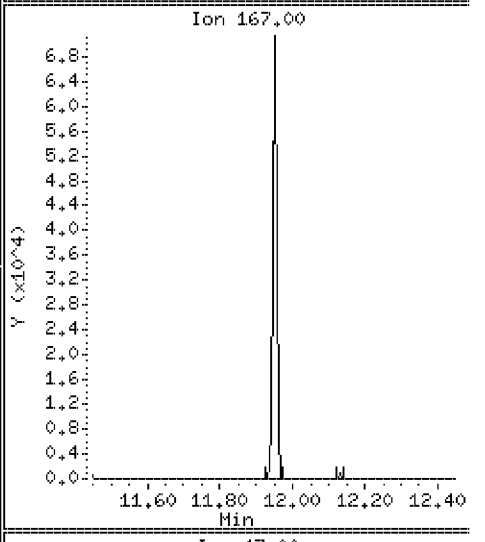
125 Di-n-octylphthalate

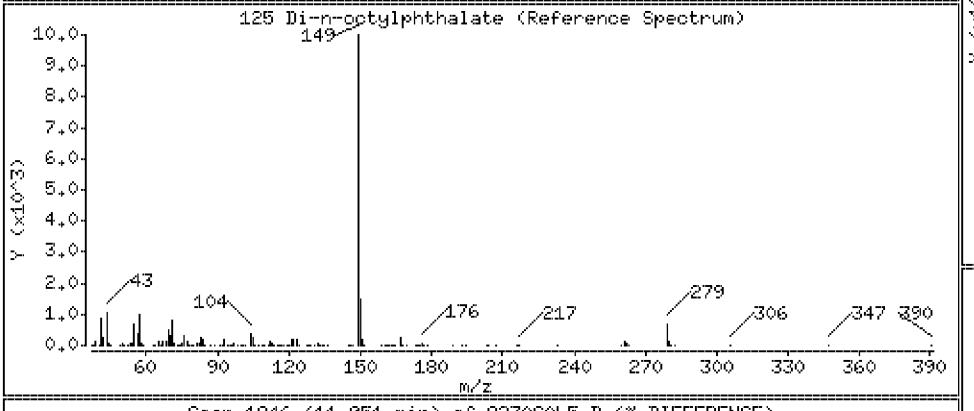
Concentration: 63.8 ug/l

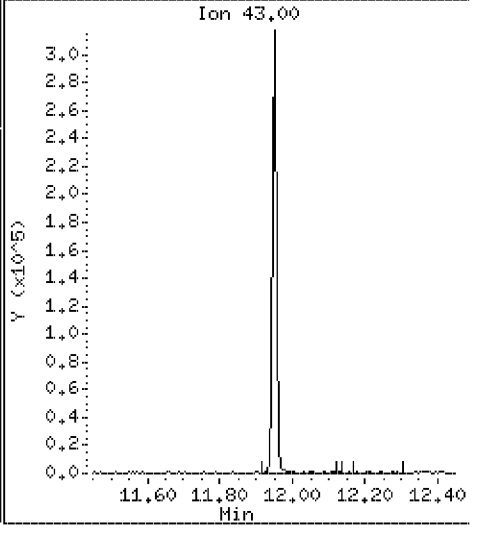


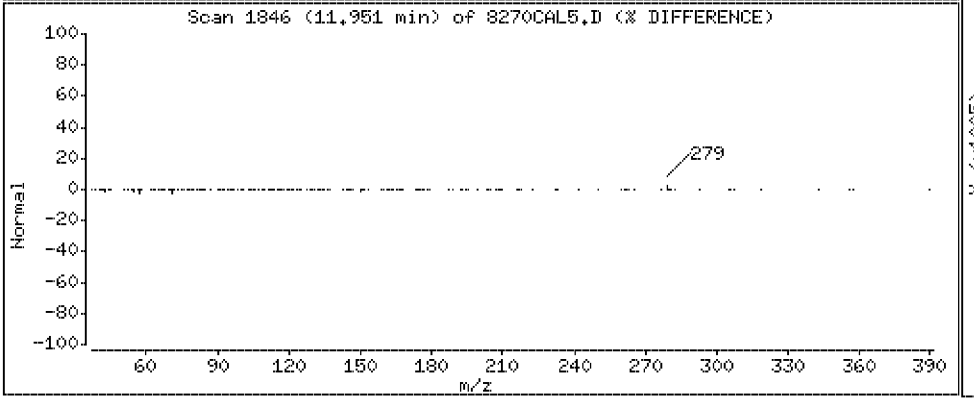












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

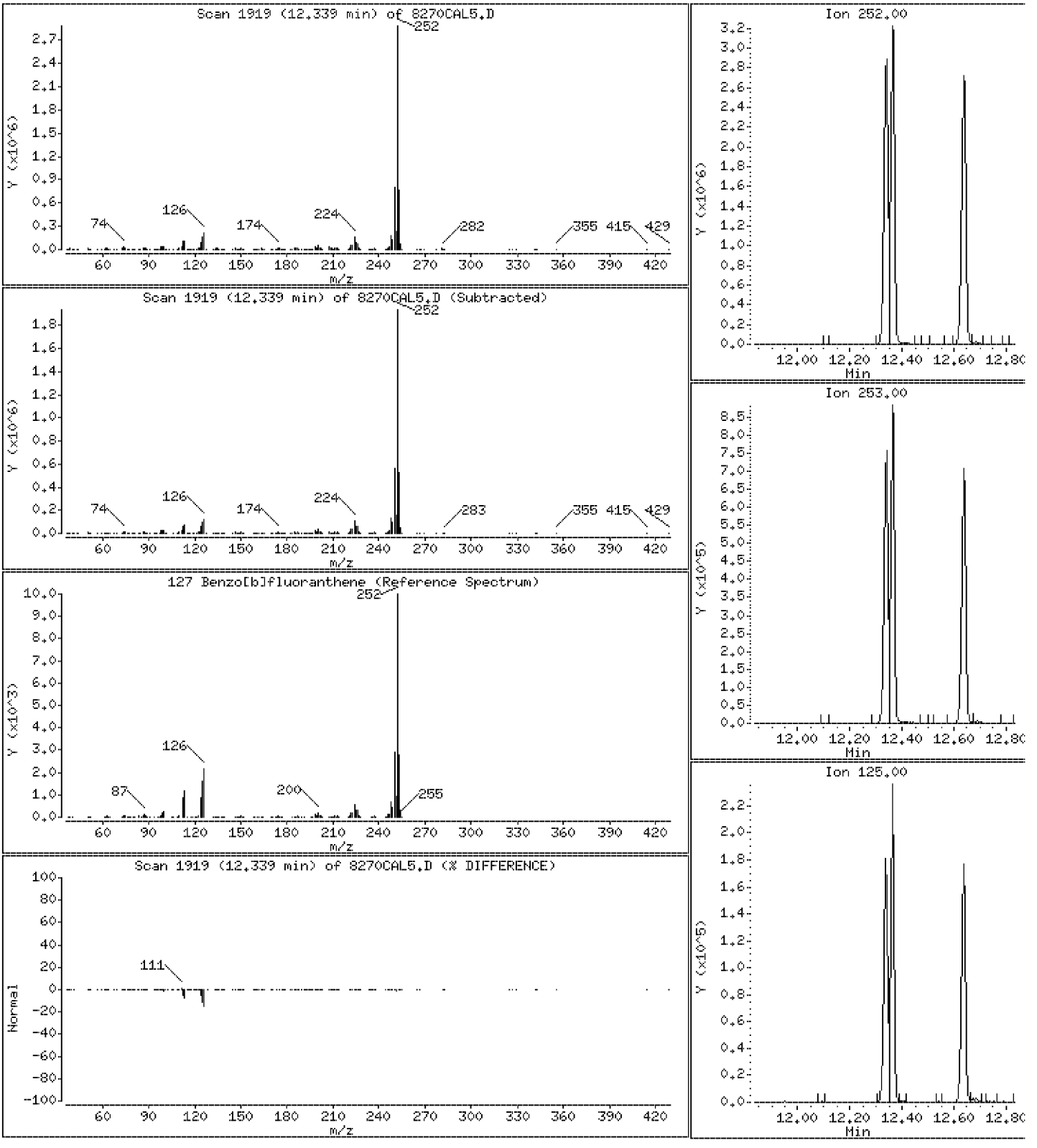
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

127 Benzo[b]fluoranthene

Concentration: 60.5 ug/l



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

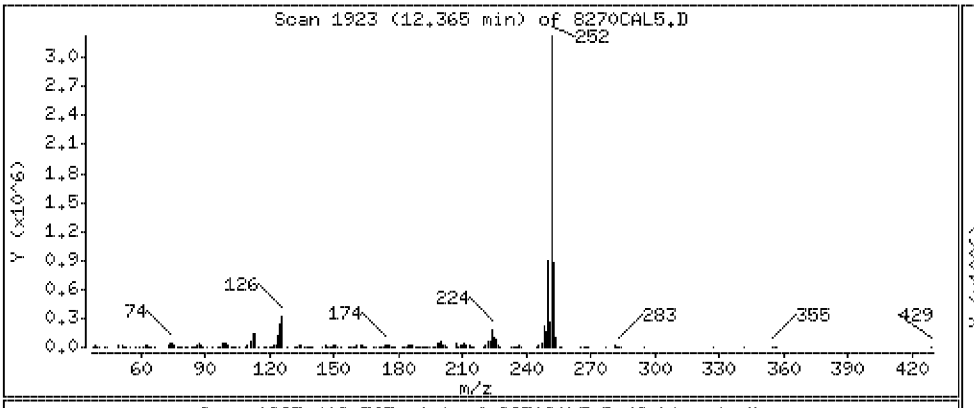
Operator: PEL

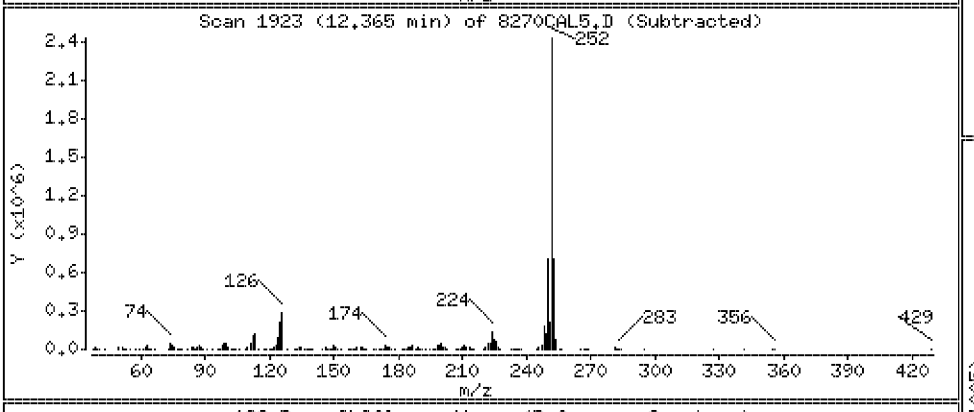
Column phase: HPMS-5

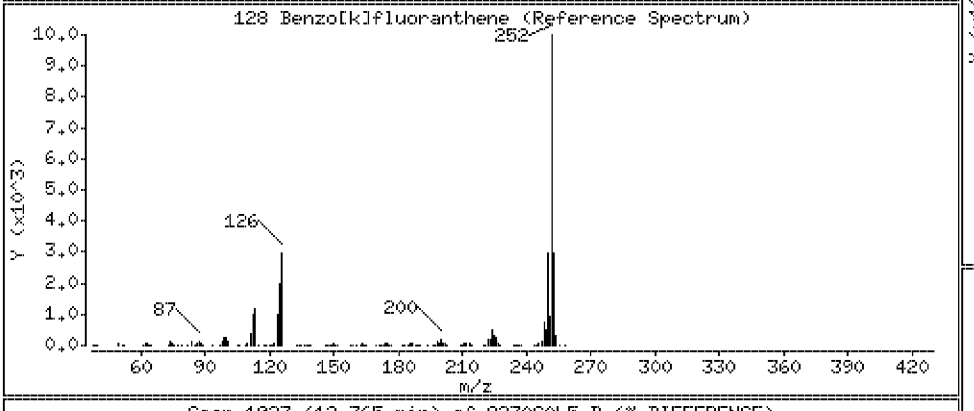
Column diameter: 0.25

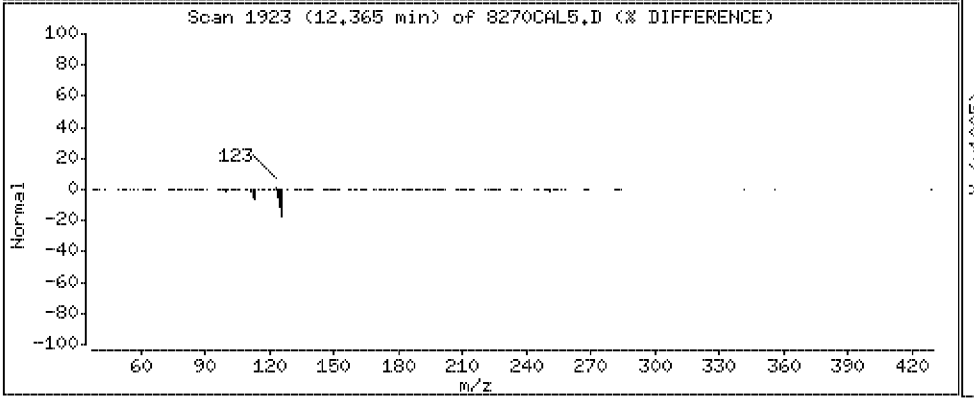
128 Benzo[k]fluoranthene

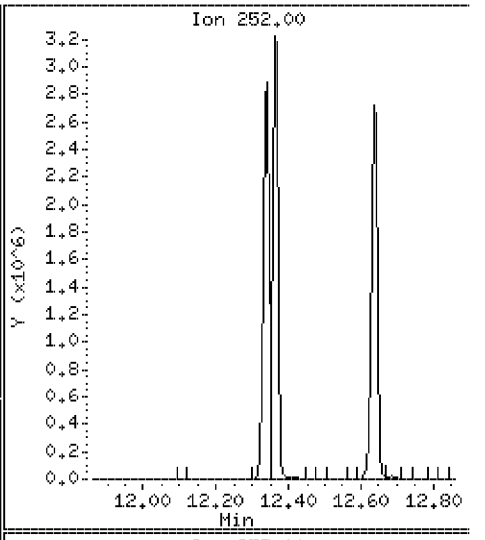
Concentration: 61.1 ug/l

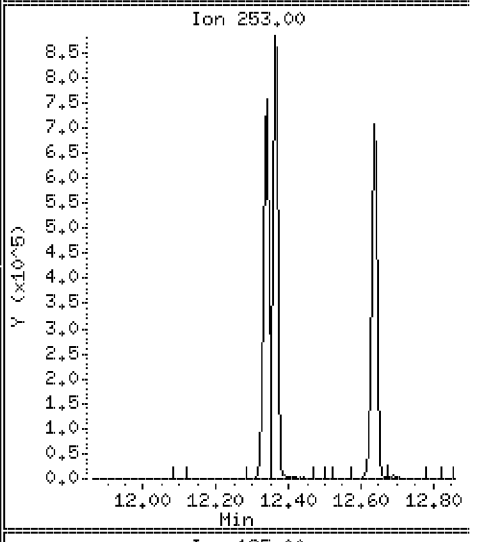


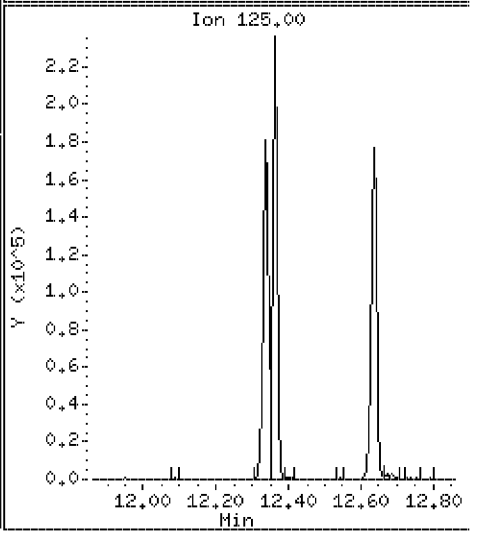












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

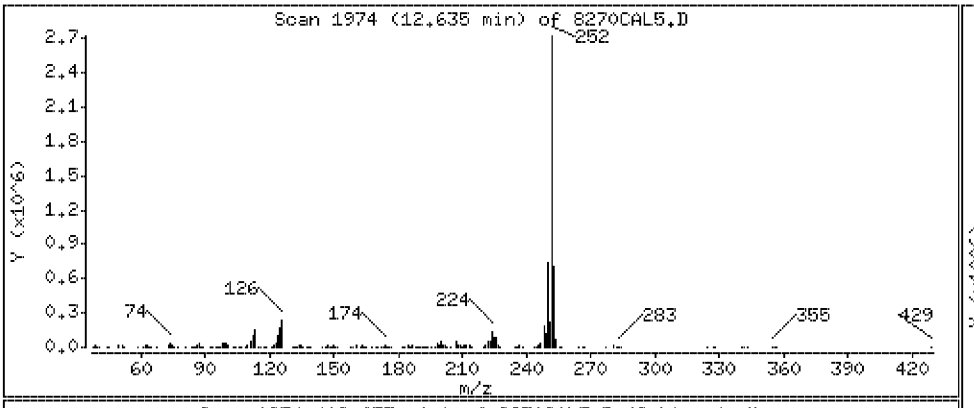
Operator: PEL

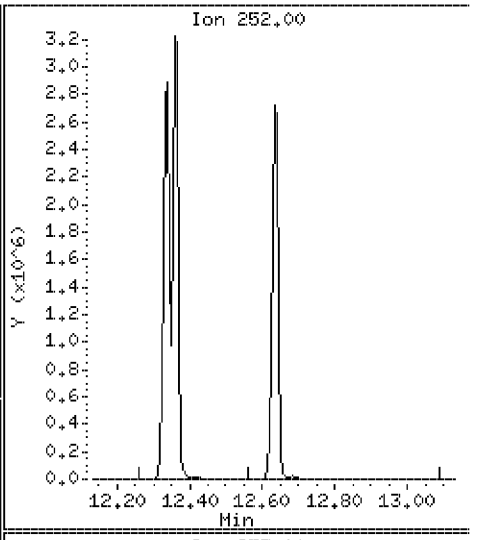
Column phase: HPMS-5

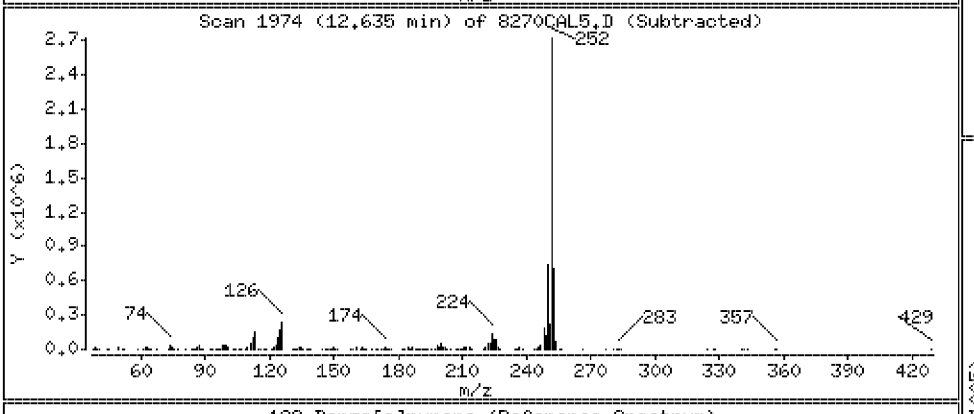
Column diameter: 0.25

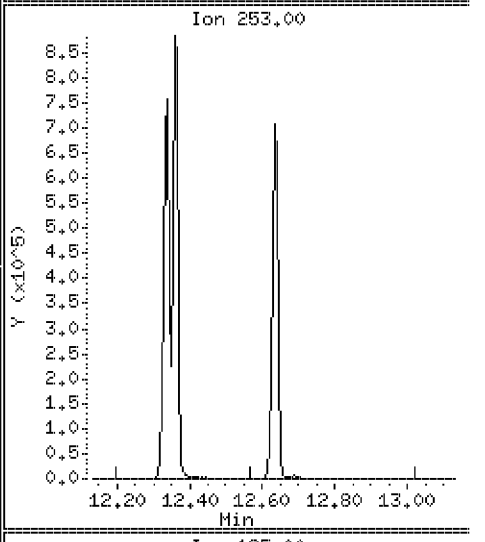
129 Benzo[a]pyrene

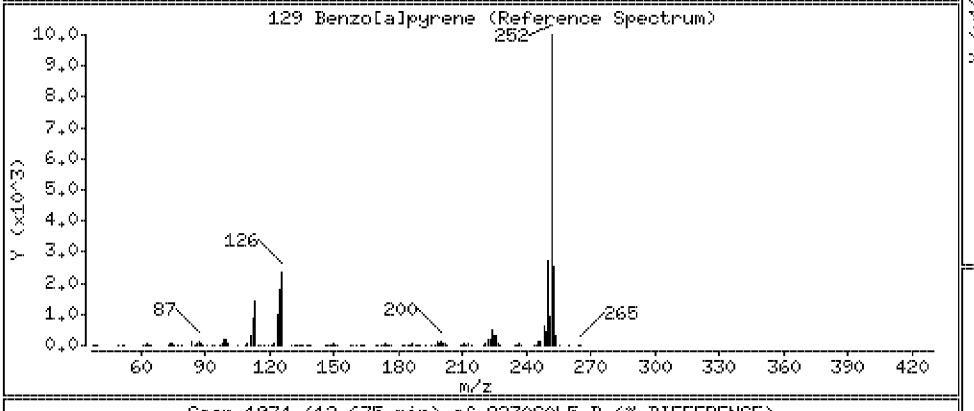
Concentration: 61.4 ug/l

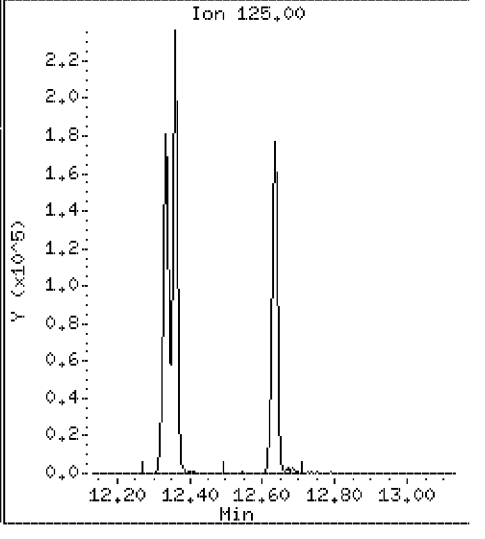


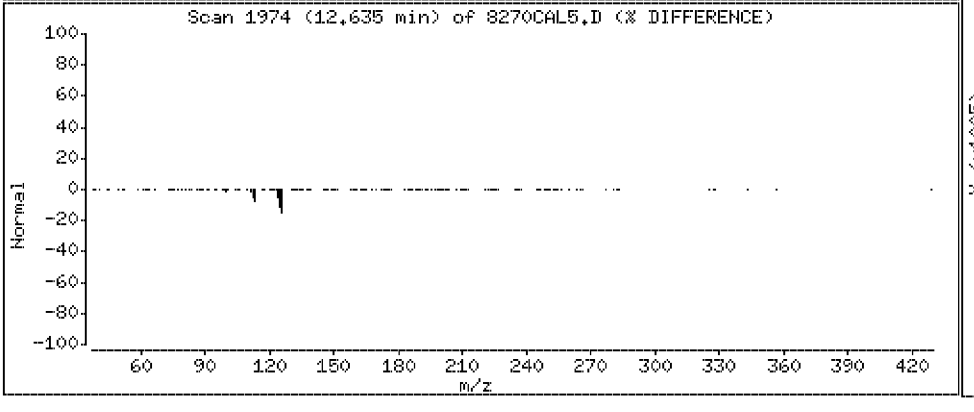












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

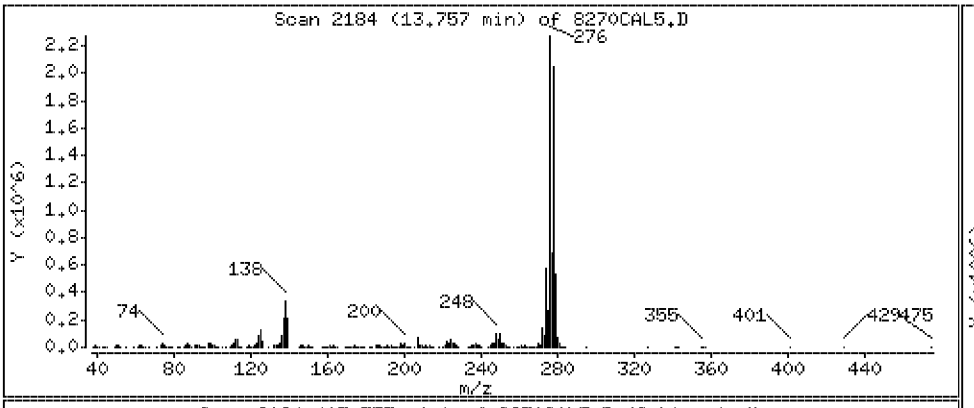
Client ID: 8270CAL5 Instrument: smsd03.i

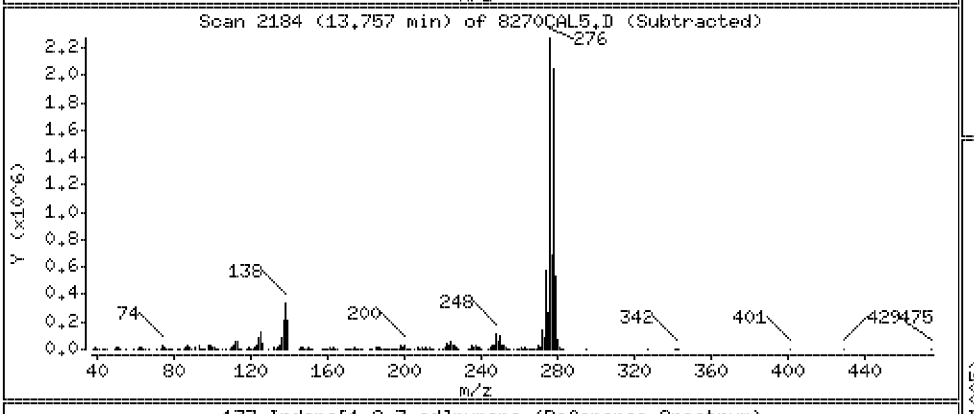
Sample Info: 45923

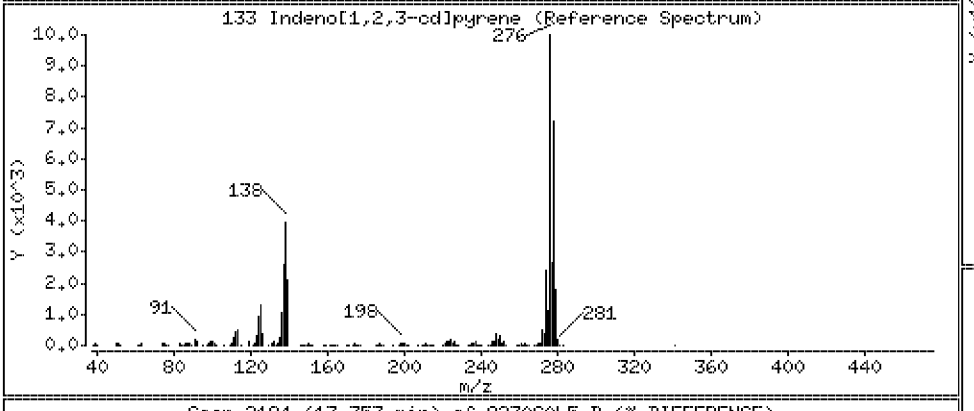
Purge Volume: 1000.0 Operator: PEL

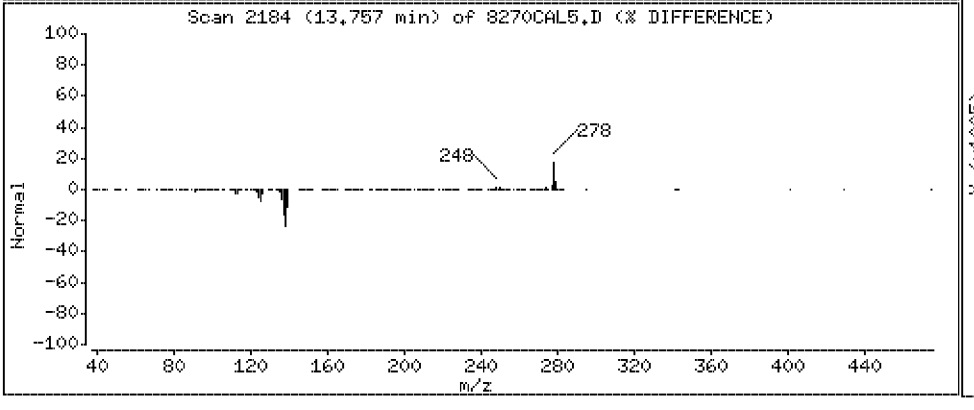
Column phase: HPMS-5 Column diameter: 0.25

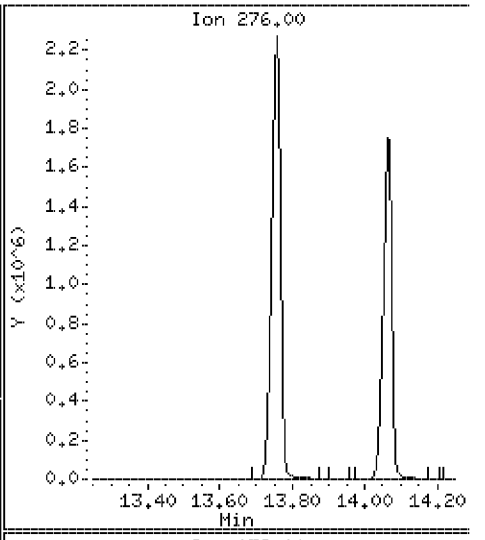
133 Indeno[1,2,3-cd]pyrene Concentration: 60.6 ug/l

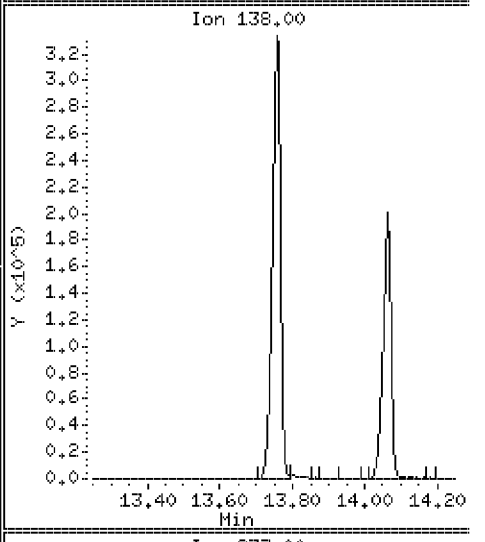


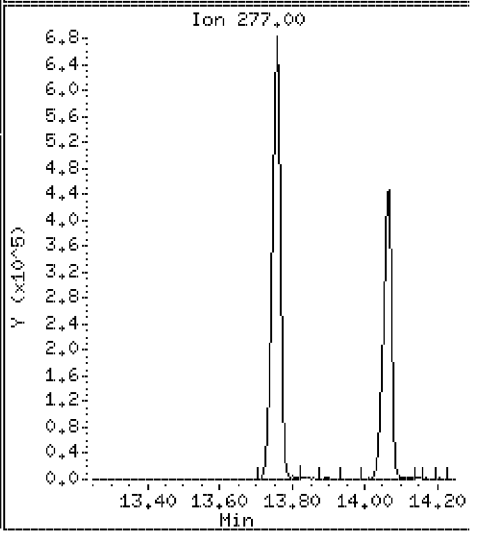












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL5.D

Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

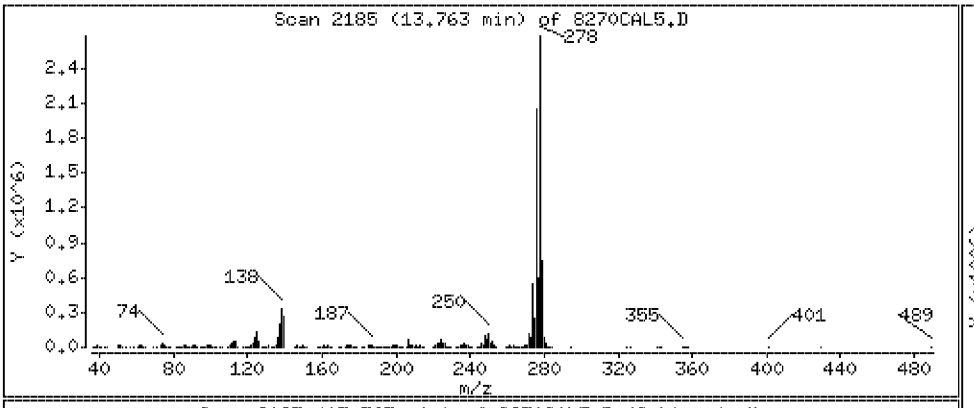
Operator: PEL

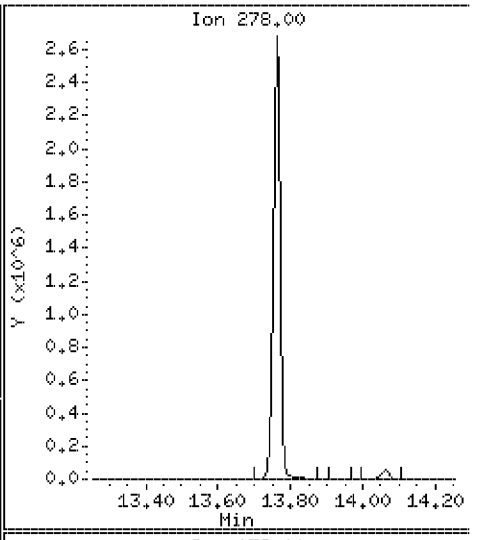
Column phase: HPMS-5

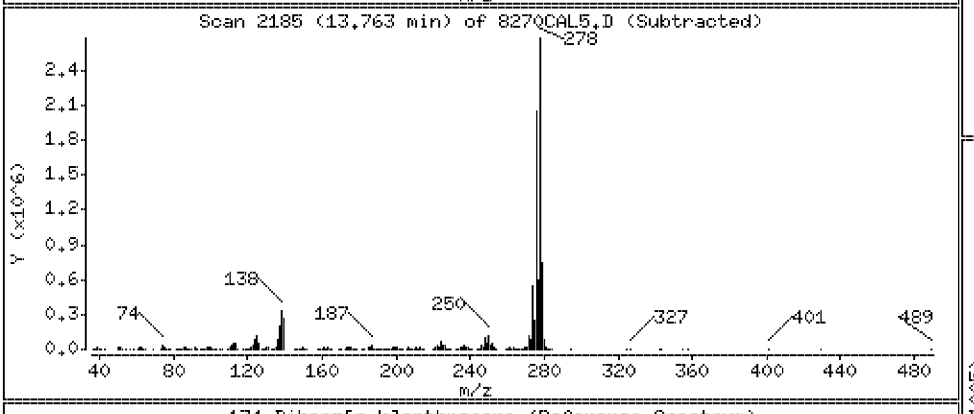
Column diameter: 0.25

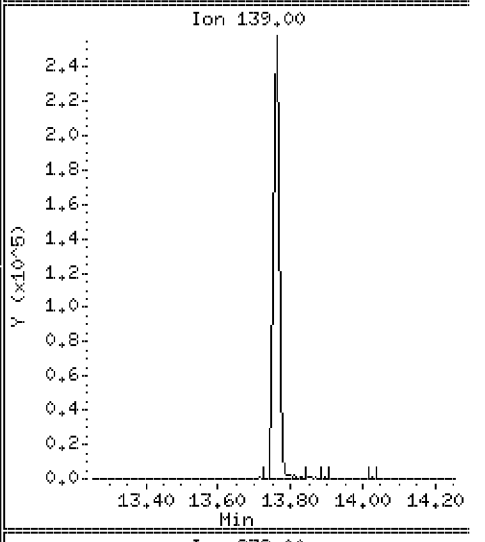
134 Dibenz[a,h]anthracene

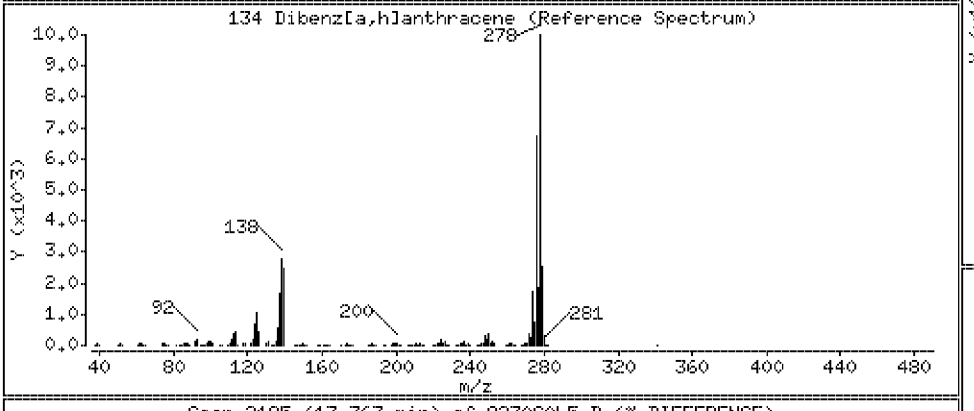
Concentration: 62.0 ug/l

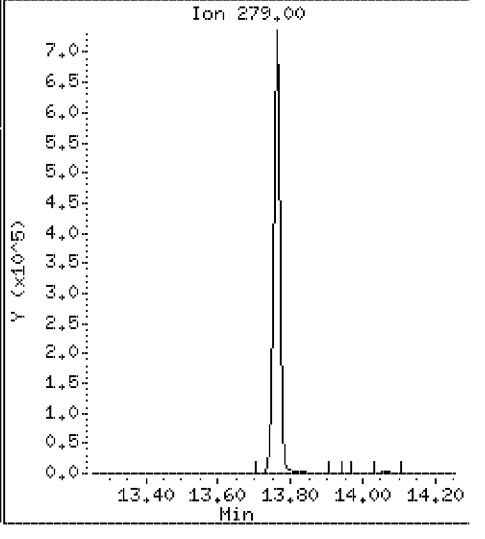


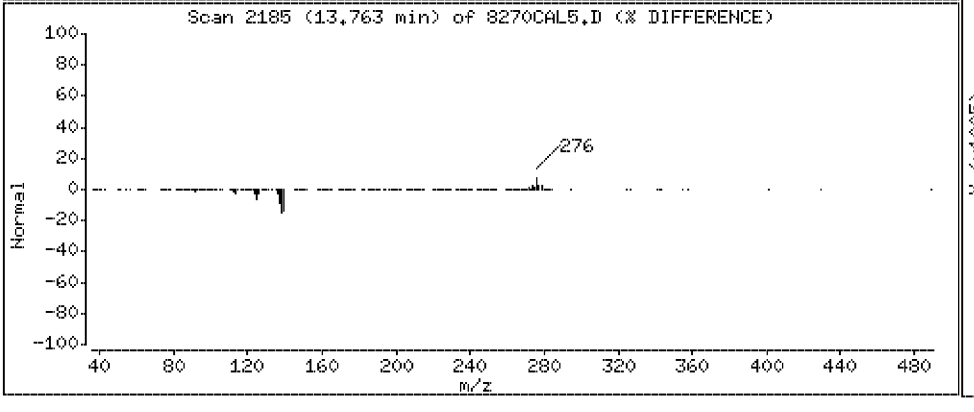












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Date : 23-APR-2012 11:10

Client ID: 8270CAL5

Instrument: smsd03.i

Sample Info: 45923

Purge Volume: 1000.0

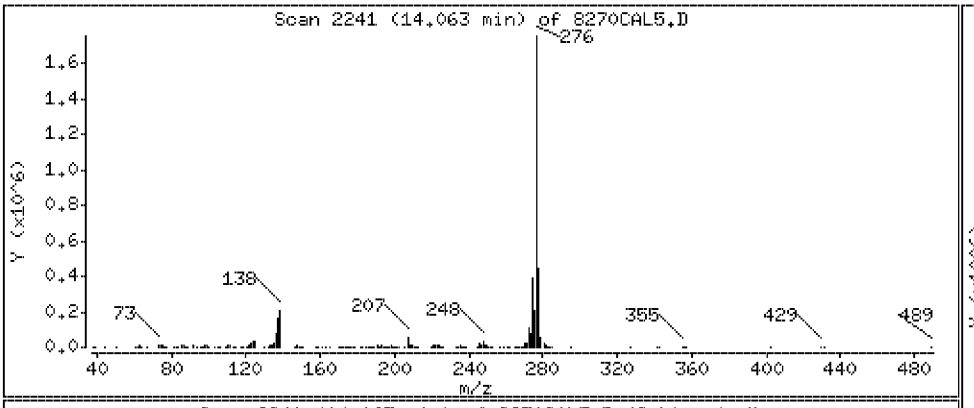
Operator: PEL

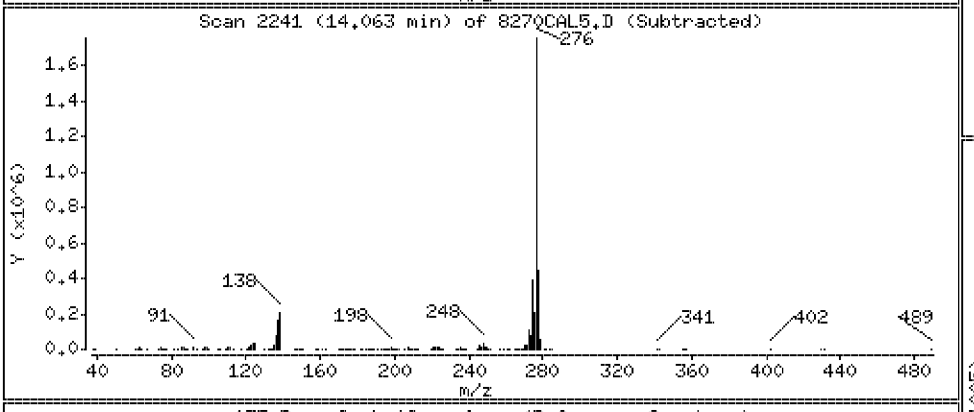
Column phase: HPMS-5

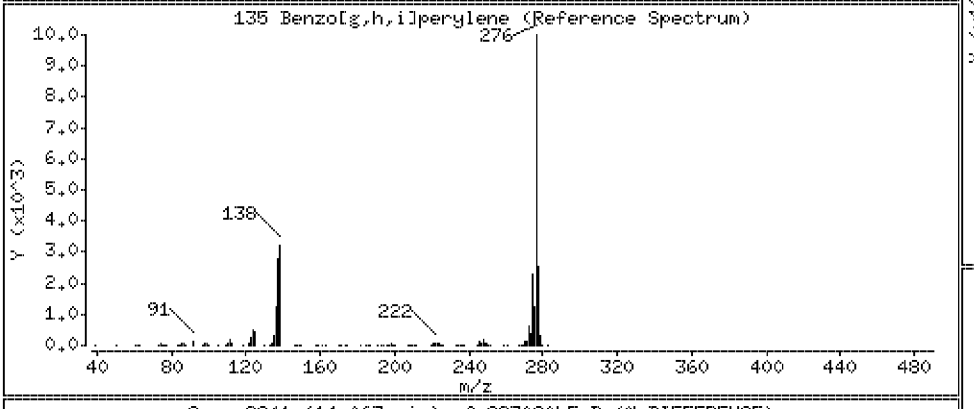
Column diameter: 0.25

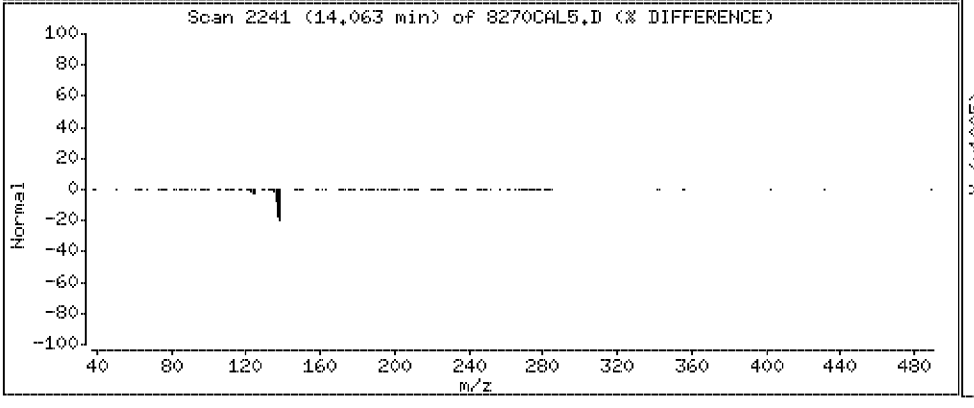
135 Benzo[g,h,i]perylene

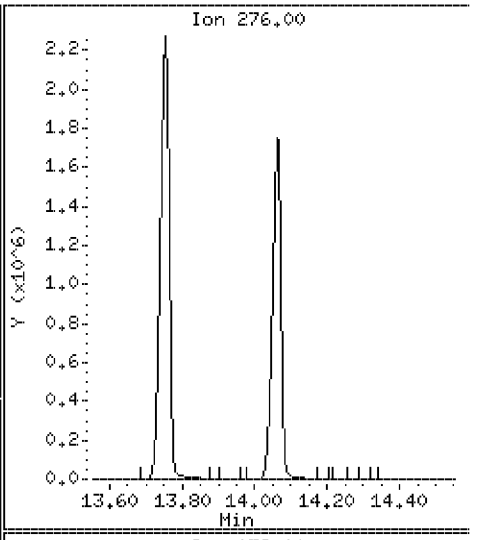
Concentration: 58.5 ug/l

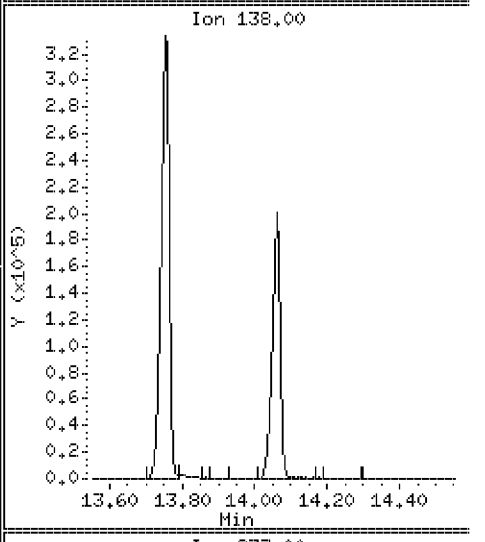


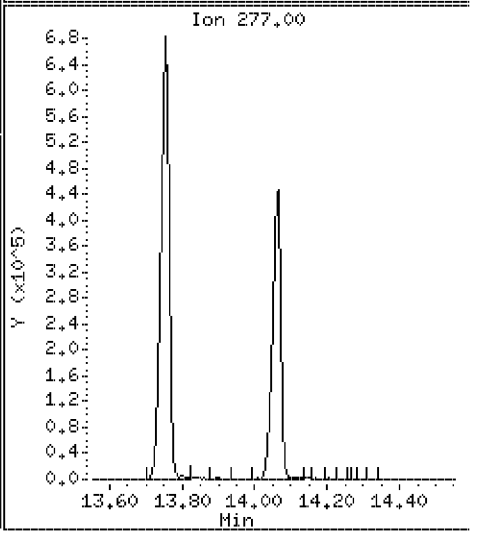












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D
Lab Smp Id: 45924 Client Smp ID: 8270CAL4
Inj Date : 23-APR-2012 11:34 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45924
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 11:10 Cal File: 8270CAL5.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.381	2.381	(0.535)	79	565395	45.0000	46.3	80.00- 120.00	100.00
2.381	2.381	(0.535)	52	209239			7.01- 67.01	37.01
M 16 Cresols (Total)						CAS #: 1319-77-3		
				966702	90.0000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.338	2.338	(0.526)	42	249639	45.0000	45.2	80.00- 120.00	100.00
2.338	2.338	(0.526)	74	355364			112.35- 172.35	142.35
2.336	2.338	(0.525)	44	10515			0.00- 34.21	4.21
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.383	3.383	(0.761)	112	872269	90.0000	92.9	80.00- 120.00	100.00
3.383	3.383	(0.761)	64	550821			33.15- 93.15	63.15
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.139	4.139	(0.931)	99	1179240	90.0000	93.7	80.00- 120.00	100.00(TQ)
4.139	4.139	(0.930)	42	222719			0.00- 48.89	18.89
4.139	4.139	(0.931)	71	633988			23.76- 83.76	53.76
13 Phenol						CAS #: 108-95-2		
4.151	4.151	(0.933)	94	656815	45.0000	46.0	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.152	4.151	(0.933)	65	403241			31.39- 91.39	61.39
4.151	4.151	(0.933)	66	732221			81.48- 141.48	111.48
	10 Aniline					CAS #: 62-53-3		
4.166	4.166	(0.937)	93	708524	45.0000	46.8	80.00- 120.00	100.00
4.152	4.166	(0.933)	65	403224			26.91- 86.91	56.91
4.151	4.166	(0.933)	66	732195			73.34- 133.34	103.34
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.210	4.210	(0.946)	93	413283	45.0000	46.0	80.00- 120.00	100.00
4.209	4.210	(0.946)	63	298814			42.30- 102.30	72.30
4.210	4.210	(0.947)	95	130317			1.53- 61.53	31.53
	15 2-Chlorophenol					CAS #: 95-57-8		
4.278	4.278	(0.962)	128	439155	45.0000	46.7	80.00- 120.00	100.00
4.277	4.278	(0.962)	64	222752			20.72- 80.72	50.72
4.278	4.278	(0.962)	130	142236			2.39- 62.39	32.39
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.401	4.401	(0.989)	146	532886	45.0000	46.2	80.00- 120.00	100.00
4.401	4.401	(0.989)	148	352533			36.16- 96.16	66.16
4.400	4.401	(0.989)	111	245884			16.14- 76.14	46.14
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.448	4.448	(1.000)	152	324938	40.0000		80.00- 120.00	100.00
4.447	4.448	(1.000)	115	202127			32.20- 92.20	62.20
4.448	4.448	(1.000)	150	551663			139.77- 199.77	169.77
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.462	4.462	(1.003)	146	555138	45.0000	45.7	80.00- 120.00	100.00
4.462	4.462	(1.003)	148	377967			38.09- 98.09	68.09
4.462	4.462	(1.003)	111	247025			14.50- 74.50	44.50
	21 Benzyl alcohol					CAS #: 100-51-6		
4.567	4.567	(1.027)	108	290636	45.0000	45.1	80.00- 120.00	100.00(Q)
4.566	4.567	(1.027)	79	529802			152.29- 212.29	182.29
4.566	4.567	(1.027)	77	369851			97.26- 157.26	127.26
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.599	4.599	(1.034)	146	504171	45.0000	45.6	80.00- 120.00	100.00
4.600	4.599	(1.034)	148	344466			38.32- 98.32	68.32
4.599	4.599	(1.034)	111	242692			18.14- 78.14	48.14
	22 2-Methylphenol					CAS #: 95-48-7		
4.671	4.671	(1.050)	107	398807	45.0000	46.8	80.00- 120.00	100.00
4.671	4.671	(1.050)	108	448385			82.43- 142.43	112.43
4.671	4.671	(1.050)	79	340698			55.43- 115.43	85.43
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.675	4.675	(1.051)	45	288688	45.0000	46.0	80.00- 120.00	100.00
4.672	4.675	(1.050)	77	383903			102.98- 162.98	132.98
4.675	4.675	(1.051)	121	156535			24.22- 84.22	54.22

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	28 4-Methylphenol						CAS #: 106-44-5	
4.808	4.808 (1.081)	107	567895	45.0000		46.2	80.00- 120.00	100.00
4.808	4.808 (1.081)	108	457398				50.54- 110.54	80.54
4.808	4.808 (1.081)	79	186051				2.76- 62.76	32.76
	26 N-Nitrosodinpropylamine						CAS #: 621-64-7	
4.798	4.798 (1.079)	70	451511	45.0000		47.2	80.00- 120.00	100.00
4.798	4.798 (1.079)	42	166466				6.87- 66.87	36.87
4.799	4.798 (1.079)	130	86835				0.00- 49.23	19.23
	30 Hexachloroethane						CAS #: 67-72-1	
4.902	4.902 (1.102)	117	222733	45.0000		46.4	80.00- 120.00	100.00
4.903	4.902 (1.102)	201	267443				90.07- 150.07	120.07
4.903	4.902 (1.102)	199	164133				43.69- 103.69	73.69
$	31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0	
4.944	4.944 (0.881)	82	675046	45.0000		46.1	80.00- 120.00	100.00
4.944	4.944 (0.881)	128	221173				2.76- 62.76	32.76
4.943	4.944 (0.881)	54	250324				7.08- 67.08	37.08
	32 Nitrobenzene						CAS #: 98-95-3	
4.962	4.962 (0.884)	77	662664	45.0000		45.9	80.00- 120.00	100.00
4.962	4.962 (0.885)	123	226512				4.18- 64.18	34.18
4.962	4.962 (0.884)	65	100522				0.00- 45.17	15.17
	34 Isophorone						CAS #: 78-59-1	
5.176	5.176 (0.923)	82	797241	45.0000		45.4	80.00- 120.00	100.00(T)
5.177	5.176 (0.923)	138	129834				0.00- 46.29	16.29
5.176	5.176 (0.923)	95	73410				0.00- 39.21	9.21
	35 2-Nitrophenol						CAS #: 88-75-5	
5.253	5.253 (0.936)	139	240934	45.0000		45.1	80.00- 120.00	100.00
5.252	5.253 (0.936)	65	176693				43.34- 103.34	73.34
5.253	5.253 (0.936)	109	122664				20.91- 80.91	50.91
	36 2,4-Dimethylphenol						CAS #: 105-67-9	
5.294	5.294 (0.944)	122	372368	45.0000		45.3	80.00- 120.00	100.00
5.294	5.294 (0.944)	107	526707				111.45- 171.45	141.45
5.294	5.294 (0.944)	121	219286				28.89- 88.89	58.89
	38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1	
5.369	5.369 (0.957)	93	542981	45.0000		45.5	80.00- 120.00	100.00
5.369	5.369 (0.957)	95	179522				3.06- 63.06	33.06
5.370	5.369 (0.957)	123	78193				0.00- 44.40	14.40
	40 Benzoic Acid						CAS #: 65-85-0	
5.404	5.404 (0.963)	122	254638	45.0000		44.9	80.00- 120.00	100.00(Q)
5.404	5.404 (0.963)	105	350552				107.67- 167.67	137.67
5.404	5.404 (0.963)	77	342169				104.37- 164.37	134.37
	41 2,4-Dichlorophenol						CAS #: 120-83-2	
5.490	5.490 (0.979)	162	444870	45.0000		45.8	80.00- 120.00	100.00
5.490	5.490 (0.979)	164	295858				36.50- 96.50	66.50

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.489	5.490	(0.978)	98	158950			5.73- 65.73	35.73
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.555	5.555	(0.990)	180	544289	45.0000	44.8	80.00- 120.00	100.00
5.555	5.555	(0.990)	182	530503			67.47- 127.47	97.47
5.555	5.555	(0.990)	145	153091			0.00- 58.13	28.13
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.610	5.610	(1.000)	136	1085348	40.0000		80.00- 120.00	100.00
5.609	5.610	(1.000)	68	59760			0.00- 35.51	5.51
	44 Naphthalene					CAS #: 91-20-3		
5.630	5.630	(1.004)	128	1278236	45.0000	45.9	80.00- 120.00	100.00
5.630	5.630	(1.004)	129	144160			0.00- 41.28	11.28
5.630	5.630	(1.004)	127	169601			0.00- 43.27	13.27
	45 4-Chloroaniline					CAS #: 106-47-8		
5.681	5.681	(1.013)	127	534508	45.0000	45.6	80.00- 120.00	100.00
5.681	5.681	(1.013)	129	173140			2.39- 62.39	32.39
5.680	5.681	(1.013)	65	222041			11.54- 71.54	41.54
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.746	5.746	(1.024)	225	419742	45.0000	45.3	80.00- 120.00	100.00
5.745	5.746	(1.024)	223	260312			32.02- 92.02	62.02
5.745	5.746	(1.024)	227	270883			34.54- 94.54	64.54
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.158	6.158	(1.098)	107	432813	45.0000	46.3	80.00- 120.00	100.00
6.159	6.158	(1.098)	144	112300			0.00- 55.95	25.95
6.159	6.158	(1.098)	142	322335			44.47- 104.47	74.47
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.289	6.289	(1.121)	142	917497	45.0000	45.3	80.00- 120.00	100.00
6.289	6.289	(1.121)	141	808118			58.08- 118.08	88.08
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.385	6.385	(1.138)	142	838959	45.0000	45.6	80.00- 120.00	100.00
6.385	6.385	(1.138)	141	769532			61.72- 121.72	91.72
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.445	6.445	(0.882)	237	534353	45.0000	46.3	80.00- 120.00	100.00
6.445	6.445	(0.882)	235	338609			33.37- 93.37	63.37
6.445	6.445	(0.882)	272	73429			0.00- 43.74	13.74
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.620	6.620	(0.906)	196	424896	45.0000	46.7	80.00- 120.00	100.00
6.621	6.620	(0.906)	198	412432			67.07- 127.07	97.07
6.621	6.620	(0.906)	200	132990			1.30- 61.30	31.30
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.570	6.570	(0.899)	196	385090	45.0000	45.8	80.00- 120.00	100.00
6.570	6.570	(0.899)	198	382995			69.46- 129.46	99.46

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	58 2,4,5-Trichlorophenol (continued)							
6.569	6.570	(0.899)	97	249238			34.72- 94.72	64.72
$	59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8	
6.644	6.644	(0.909)	172	1337046	45.0000	47.3	80.00- 120.00	100.00
6.644	6.644	(0.910)	171	468354			5.03- 65.03	35.03
	62 2-Chloronaphthalene						CAS #: 91-58-7	
6.763	6.763	(0.926)	162	999565	45.0000	46.6	80.00- 120.00	100.00
6.763	6.763	(0.926)	164	341855			4.20- 64.20	34.20
6.762	6.763	(0.926)	127	378334			7.85- 67.85	37.85
	63 2-Nitroaniline						CAS #: 88-74-4	
6.869	6.869	(0.940)	65	346730	45.0000	47.0	80.00- 120.00	100.00(Q)
6.869	6.869	(0.940)	92	208897			30.25- 90.25	60.25
6.869	6.869	(0.940)	138	285809			52.43- 112.43	82.43
	65 Dimethylphthalate						CAS #: 131-11-3	
7.040	7.040	(0.964)	163	1153818	45.0000	46.9	80.00- 120.00	100.00
7.040	7.040	(0.964)	194	64089			0.00- 35.55	5.55
7.040	7.040	(0.964)	164	121672			0.00- 40.55	10.55
	68 Acenaphthylene						CAS #: 208-96-8	
7.167	7.167	(0.981)	152	1482094	45.0000	46.8	80.00- 120.00	100.00(Q)
7.167	7.167	(0.981)	151	303902			0.00- 50.50	20.50
7.167	7.167	(0.981)	153	203965			0.00- 43.76	13.76
	67 2,6-Dinitrotoluene						CAS #: 606-20-2	
7.100	7.100	(0.972)	165	262617	45.0000	47.2	80.00- 120.00	100.00(Q)
7.100	7.100	(0.972)	89	207509			49.02- 109.02	79.02
7.100	7.100	(0.972)	63	196587			44.86- 104.86	74.86
	69 3-Nitroaniline						CAS #: 99-09-2	
7.271	7.271	(0.995)	138	228756	45.0000	46.3	80.00- 120.00	100.00
7.271	7.271	(0.995)	108	25901			0.00- 41.32	11.32
7.271	7.271	(0.995)	92	297505			100.05- 160.05	130.05
*	70 Acenaphthene-d10						CAS #: 15067-26-2	
7.305	7.305	(1.000)	164	730887	40.0000		80.00- 120.00	100.00
7.305	7.305	(1.000)	162	692360			64.73- 124.73	94.73
7.305	7.305	(1.000)	160	310370			12.46- 72.46	42.46
	71 Acenaphthene						CAS #: 83-32-9	
7.338	7.338	(1.004)	154	892209	45.0000	46.4	80.00- 120.00	100.00
7.338	7.338	(1.004)	153	967666			78.46- 138.46	108.46
7.338	7.338	(1.004)	152	476821			23.44- 83.44	53.44
	72 2,4-Dinitrophenol						CAS #: 51-28-5	
7.369	7.369	(1.009)	184	160178	45.0000	44.2	80.00- 120.00	100.00
7.368	7.369	(1.009)	63	125050			48.07- 108.07	78.07
7.369	7.369	(1.009)	154	111496			39.61- 99.61	69.61
	74 4-Nitrophenol						CAS #: 100-02-7	
7.476	7.476	(1.023)	109	258513	45.0000	48.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol (continued)								
7.478	7.476	(1.024)	139	146395			26.63- 86.63	56.63
7.476	7.476	(1.023)	65	288463			81.59- 141.59	111.59
75 Dibenzofuran						CAS #: 132-64-9		
7.506	7.506	(1.027)	168	1458463	45.0000	46.6	80.00- 120.00	100.00
7.505	7.506	(1.027)	139	623524			12.75- 72.75	42.75
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.494	7.494	(1.026)	165	356078	45.0000	45.6	80.00- 120.00	100.00(Q)
7.494	7.494	(1.026)	63	399160			82.10- 142.10	112.10
7.494	7.494	(1.026)	89	363480			72.08- 132.08	102.08
80 Diethylphthalate						CAS #: 84-66-2		
7.729	7.729	(1.058)	149	1053697	45.0000	46.4	80.00- 120.00	100.00
7.730	7.729	(1.058)	177	246092			0.00- 53.36	23.36
7.729	7.729	(1.058)	150	130995			0.00- 42.43	12.43
81 Fluorene						CAS #: 86-73-7		
7.841	7.841	(1.073)	166	1279956	45.0000	47.2	80.00- 120.00	100.00
7.841	7.841	(1.073)	165	1223038			65.55- 125.55	95.55
7.841	7.841	(1.073)	167	181135			0.00- 44.15	14.15
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.838	7.838	(1.073)	204	760601	45.0000	46.8	80.00- 120.00	100.00
7.838	7.838	(1.073)	206	260637			4.27- 64.27	34.27
7.838	7.838	(1.073)	141	418110			24.97- 84.97	54.97
84 4-Nitroaniline						CAS #: 100-01-6		
7.874	7.874	(1.078)	138	182466	45.0000	42.6	80.00- 120.00	100.00
7.874	7.874	(1.078)	92	124106			38.02- 98.02	68.02
7.874	7.874	(1.078)	108	282673			124.92- 184.92	154.92
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.896	7.896	(0.901)	198	251212	45.0000	44.2	80.00- 120.00	100.00
7.894	7.896	(0.901)	51	92359			6.77- 66.77	36.77
7.895	7.896	(0.901)	105	96708			8.50- 68.50	38.50
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.956	7.956	(0.908)	169	747752	45.0000	45.4	80.00- 120.00	100.00
7.957	7.956	(0.908)	168	498063			36.61- 96.61	66.61
7.956	7.956	(0.908)	167	258861			4.62- 64.62	34.62
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.992	7.992	(1.094)	77	1202530	45.0000	46.0	80.00- 120.00	100.00(M)
7.994	7.992	(1.094)	105	160451			0.00- 43.34	13.34
7.995	7.992	(1.094)	182	313921			0.00- 56.11	26.11
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
8.083	8.083	(1.106)	330	474765	90.0000	93.0	80.00- 120.00	100.00
8.083	8.083	(1.107)	332	457794			66.43- 126.43	96.43
8.081	8.083	(1.106)	141	186295			9.24- 69.24	39.24

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.318	8.318	(0.949)	248	442321	45.0000	46.3	80.00- 120.00	100.00
8.318	8.318	(0.949)	250	430658			67.36- 127.36	97.36
8.317	8.318	(0.949)	141	290930			35.77- 95.77	65.77
94 Hexachlorobenzene							CAS #: 118-74-1	
8.387	8.387	(0.957)	284	505718	45.0000	46.1	80.00- 120.00	100.00
8.385	8.387	(0.957)	142	163778			2.39- 62.39	32.39
8.386	8.387	(0.957)	249	152013			0.06- 60.06	30.06
96 Pentachlorophenol							CAS #: 87-86-5	
8.585	8.585	(0.980)	266	300625	45.0000	46.6	80.00- 120.00	100.00
8.585	8.585	(0.980)	264	191504			33.70- 93.70	63.70
8.585	8.585	(0.980)	268	196195			35.26- 95.26	65.26
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.761	8.761	(1.000)	188	1306281	40.0000		80.00- 120.00	100.00
8.761	8.761	(1.000)	94	82956			0.00- 36.35	6.35
8.760	8.761	(1.000)	80	102194			0.00- 37.82	7.82
101 Phenanthrene							CAS #: 85-01-8	
8.785	8.785	(1.003)	178	1587296	45.0000	47.2	80.00- 120.00	100.00(Q)
8.785	8.785	(1.003)	179	259224			0.00- 46.33	16.33
8.785	8.785	(1.003)	176	319179			0.00- 50.11	20.11
103 Anthracene							CAS #: 120-12-7	
8.835	8.835	(1.008)	178	1580709	45.0000	47.2	80.00- 120.00	100.00(Q)
8.835	8.835	(1.008)	179	252450			0.00- 45.97	15.97
8.835	8.835	(1.008)	176	312915			0.00- 49.80	19.80
104 Carbazole							CAS #: 86-74-8	
8.996	8.996	(1.027)	167	1243292	45.0000	44.5	80.00- 120.00	100.00
8.996	8.996	(1.027)	139	172699			0.00- 43.89	13.89
8.996	8.996	(1.027)	83	76737			0.00- 36.17	6.17
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.327	9.327	(1.065)	149	1679959	45.0000	47.6	80.00- 120.00	100.00
9.327	9.327	(1.065)	150	168602			0.00- 40.04	10.04
9.326	9.327	(1.064)	104	130860			0.00- 37.79	7.79
109 Fluoranthene							CAS #: 206-44-0	
9.953	9.953	(1.136)	202	1779902	45.0000	46.1	80.00- 120.00	100.00
9.952	9.953	(1.136)	101	119125			0.00- 36.69	6.69
9.953	9.953	(1.136)	203	334963			0.00- 48.82	18.82
111 Pyrene							CAS #: 129-00-0	
10.176	10.176	(0.896)	202	1923257	45.0000	44.7	80.00- 120.00	100.00
10.177	10.176	(0.896)	200	420845			0.00- 51.88	21.88
10.176	10.176	(0.896)	203	371806			0.00- 49.33	19.33
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.322	10.322	(0.909)	244	1843767	45.0000	45.1	80.00- 120.00	100.00
10.321	10.322	(0.909)	122	123948			0.00- 36.72	6.72

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.322	10.322	(0.909)	212	148531			0.00- 38.06	8.06
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.798	10.798	(0.951)	149	861199	45.0000	46.2	80.00- 120.00	100.00
10.798	10.798	(0.951)	91	702446			51.57- 111.57	81.57
10.799	10.798	(0.951)	206	216468			0.00- 55.14	25.14
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.348	11.348	(0.999)	228	2553320	45.0000	47.0	80.00- 120.00	100.00
11.348	11.348	(0.999)	229	550794			0.00- 51.57	21.57
11.348	11.348	(0.999)	226	728783			0.00- 58.54	28.54
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.359	11.359	(1.000)	240	2165349	40.0000		80.00- 120.00	100.00
11.357	11.359	(1.000)	120	138186			0.00- 36.38	6.38
11.358	11.359	(1.000)	236	585917			0.00- 57.06	27.06
123 Chrysene						CAS #: 218-01-9		
11.384	11.384	(1.002)	228	2176466	45.0000	45.7	80.00- 120.00	100.00
11.384	11.384	(1.002)	226	677295			1.12- 61.12	31.12
11.384	11.384	(1.002)	229	473226			0.00- 51.74	21.74
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.350	11.350	(0.999)	149	1541099	45.0000	47.8	80.00- 120.00	100.00
11.351	11.350	(0.999)	167	494214			2.07- 62.07	32.07
11.352	11.350	(0.999)	279	142376			0.00- 39.24	9.24
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.948	11.948	(0.942)	149	2012276	45.0000	48.8	80.00- 120.00	100.00
11.948	11.948	(0.942)	167	35099			0.00- 31.74	1.74
11.947	11.948	(0.942)	43	165184			0.00- 38.21	8.21
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.333	12.333	(0.972)	252	2359174	45.0000	46.4	80.00- 120.00	100.00
12.334	12.333	(0.973)	253	566744			0.00- 54.02	24.02
12.332	12.333	(0.972)	125	116410			0.00- 34.93	4.93
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.359	12.359	(0.974)	252	2477230	45.0000	48.5	80.00- 120.00	100.00
12.359	12.359	(0.974)	253	583870			0.00- 53.57	23.57
12.357	12.359	(0.974)	125	130418			0.00- 35.26	5.26
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.630	12.630	(0.996)	252	2342252	45.0000	47.2	80.00- 120.00	100.00
12.630	12.630	(0.996)	253	563062			0.00- 54.04	24.04
12.629	12.630	(0.996)	125	129315			0.00- 35.52	5.52
* 130 Perylene-d12						CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	1911346	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	474004			0.00- 54.80	24.80
12.682	12.682	(1.000)	265	447076			0.00- 53.39	23.39

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.749	13.749	(1.084)	276	2895767	45.0000	46.8	80.00- 120.00	100.00
13.750	13.749	(1.084)	138	361475			0.00- 42.48	12.48
13.749	13.749	(1.084)	277	776637			0.00- 56.82	26.82
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.755	13.755	(1.085)	278	2560504	45.0000	47.4	80.00- 120.00	100.00
13.753	13.755	(1.084)	139	197219			0.00- 37.70	7.70
13.755	13.755	(1.085)	279	629011			0.00- 54.57	24.57
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.053	14.053	(1.108)	276	2198134	45.0000	46.5	80.00- 120.00	100.00
14.053	14.053	(1.108)	138	220018			0.00- 40.01	10.01
14.053	14.053	(1.108)	277	545072			0.00- 54.80	24.80

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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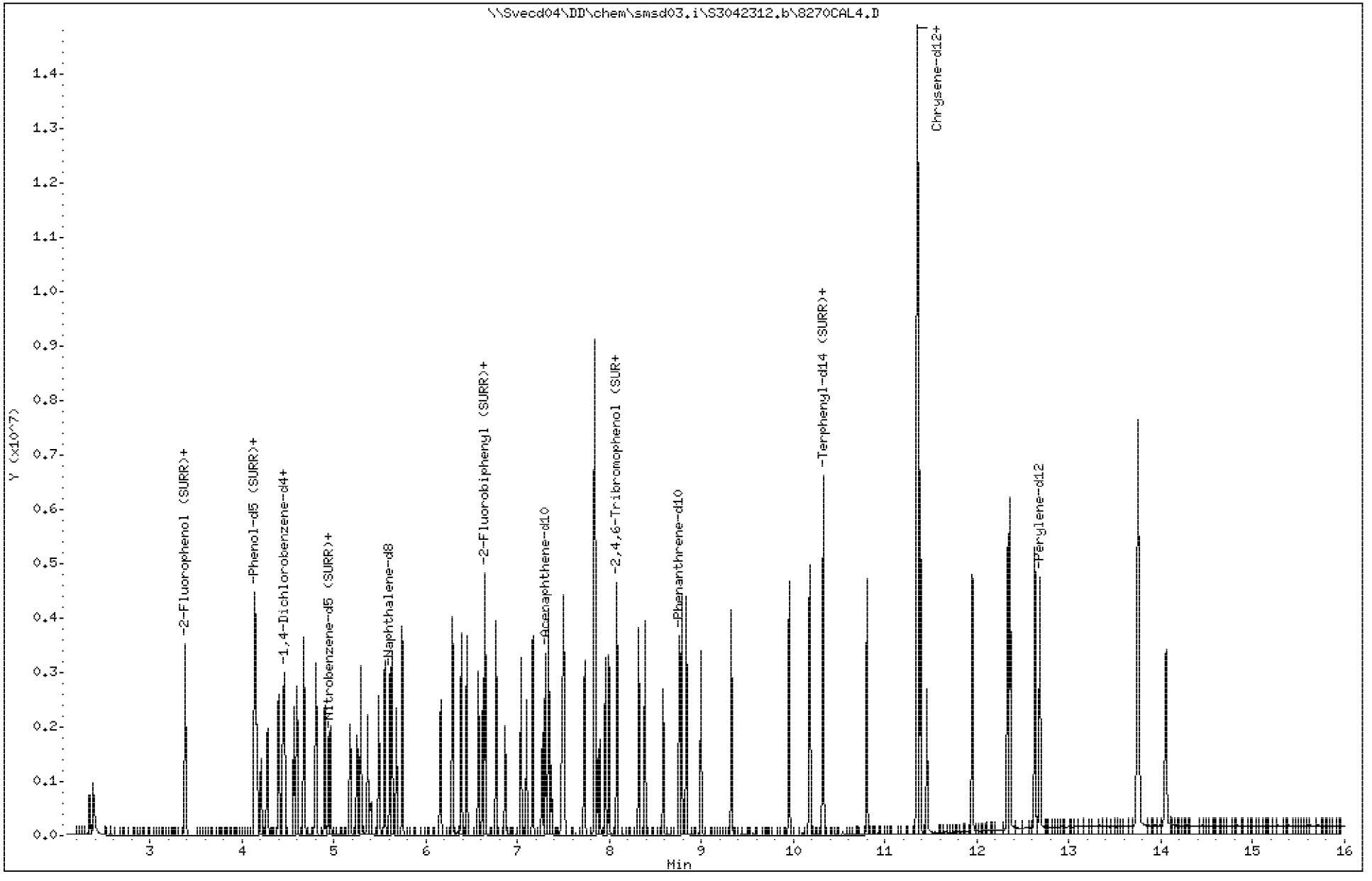
Date : 23-APR-2012 11:34
Client ID: 8270CAL4
Instrument: smsd03.i
Sample Info: 45924
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1140



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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

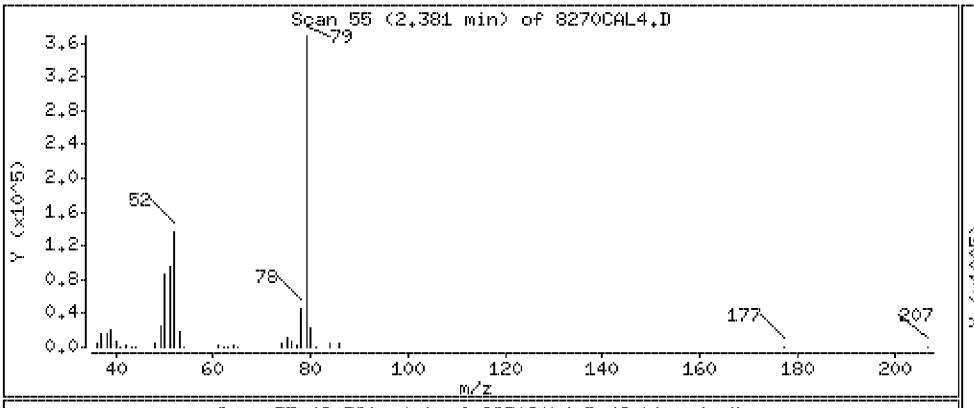
Operator: PEL

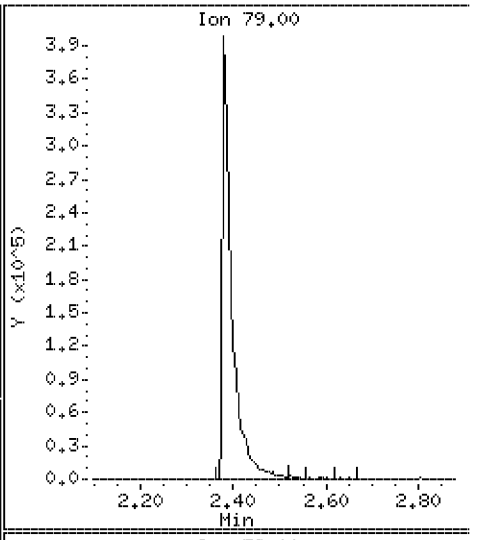
Column phase: HPMS-5

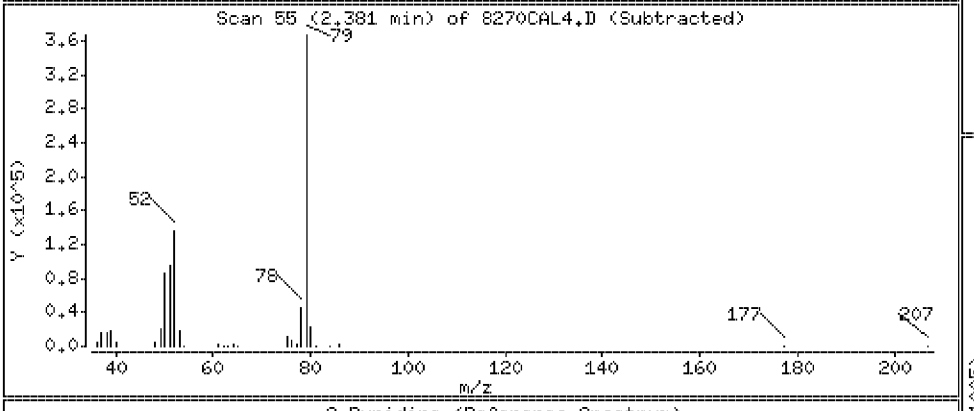
Column diameter: 0.25

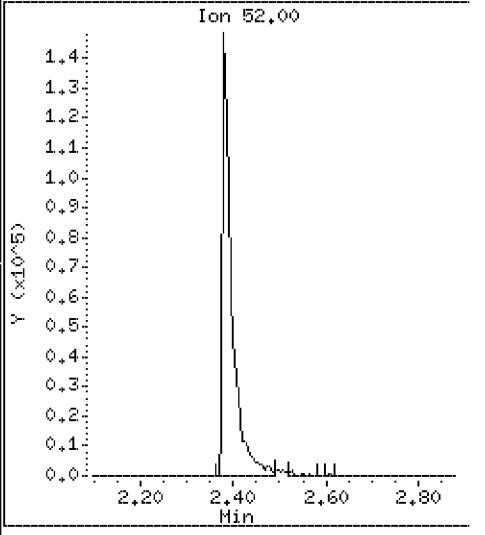
2 Pyridine

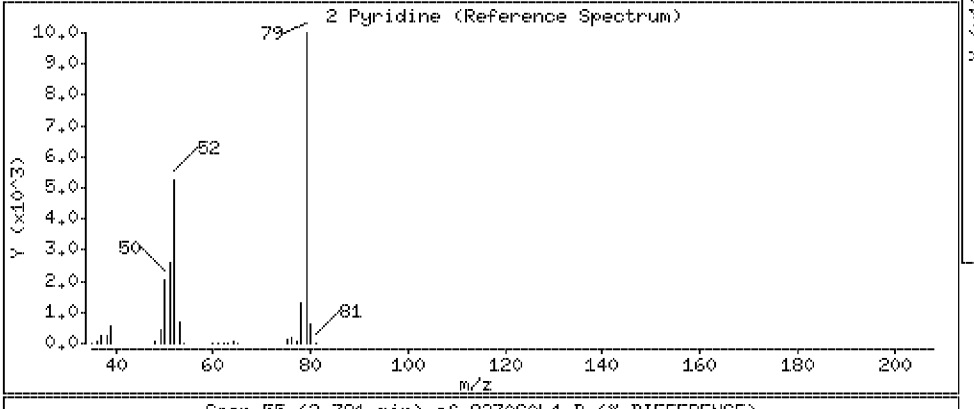
Concentration: 46.3 ug/l

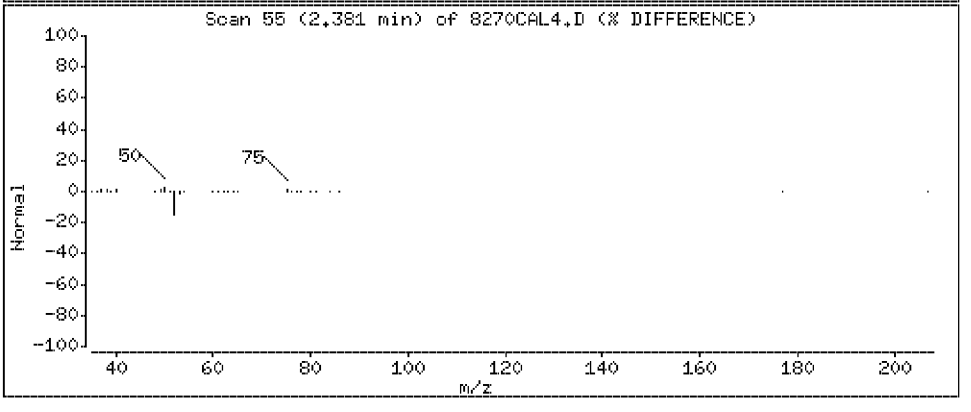












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

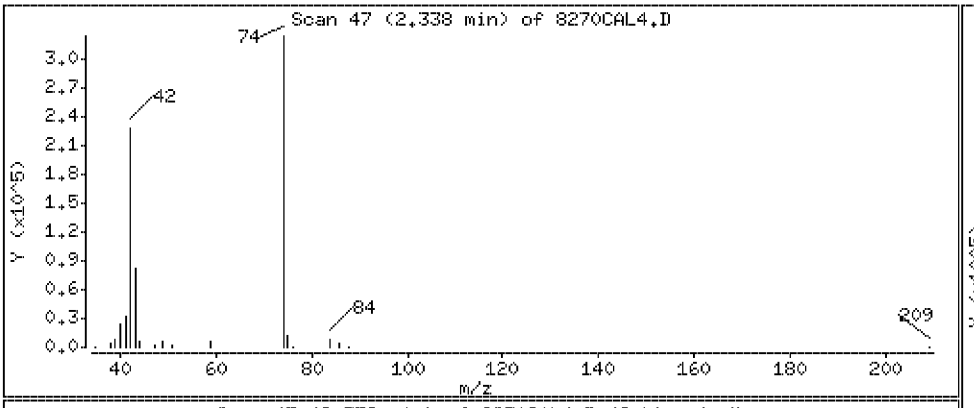
Operator: PEL

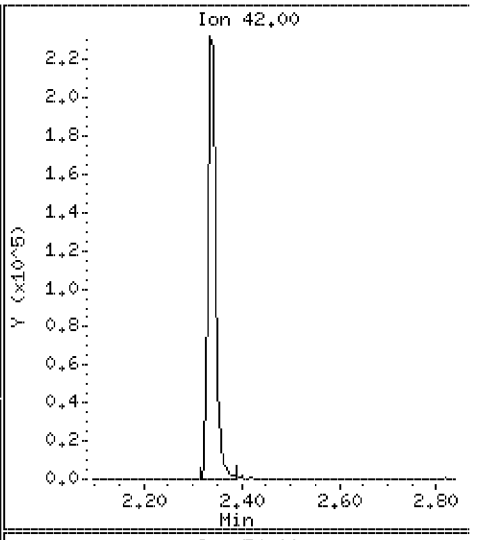
Column phase: HPMS-5

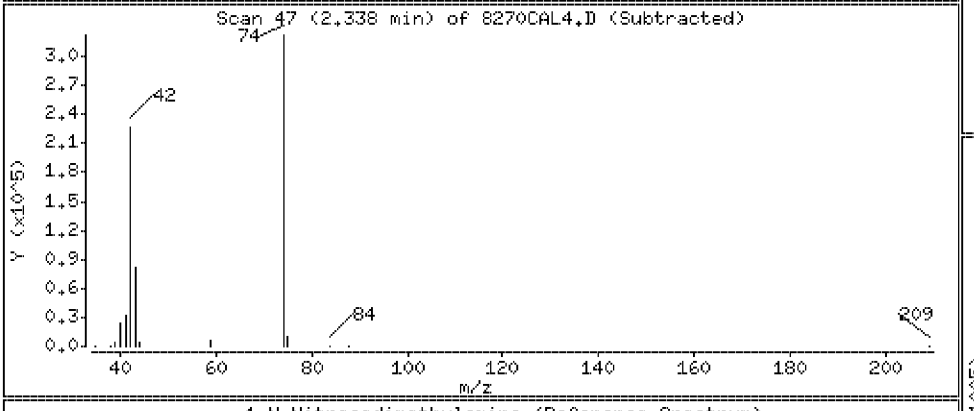
Column diameter: 0.25

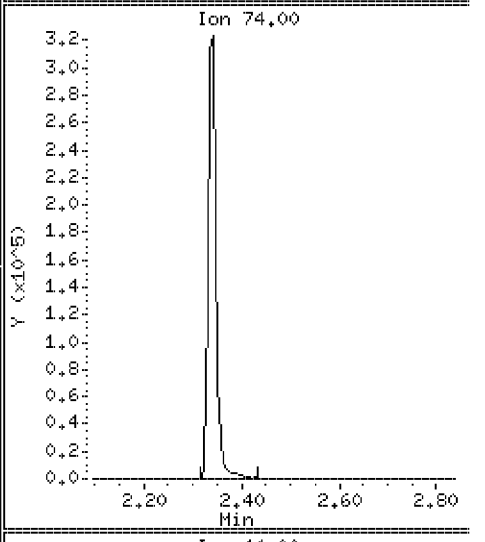
1 N-Nitrosodimethylamine

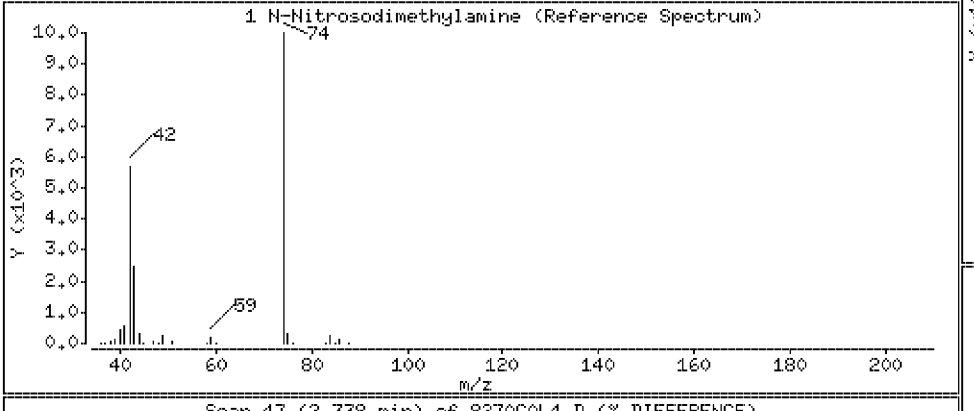
Concentration: 45.2 ug/l

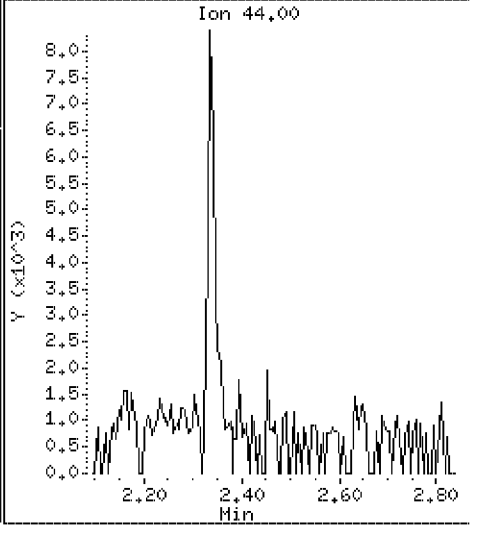


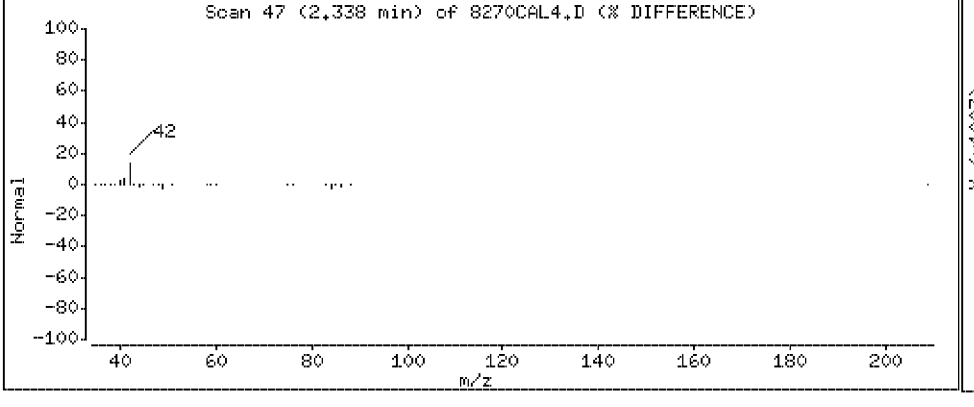












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

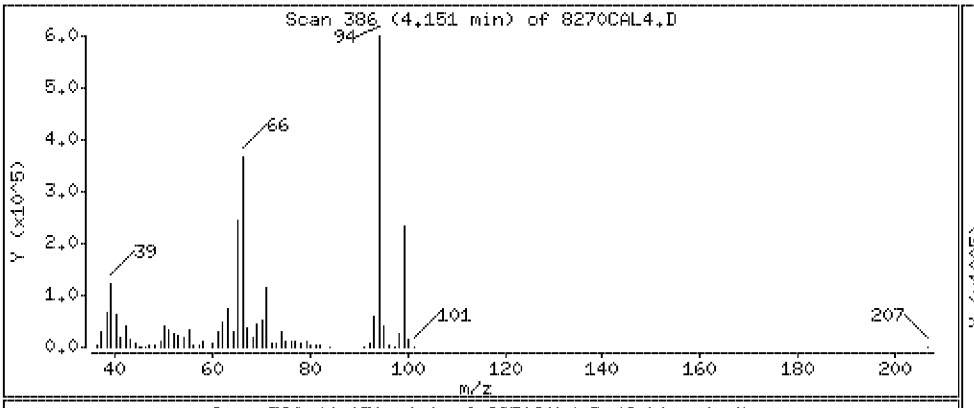
Operator: PEL

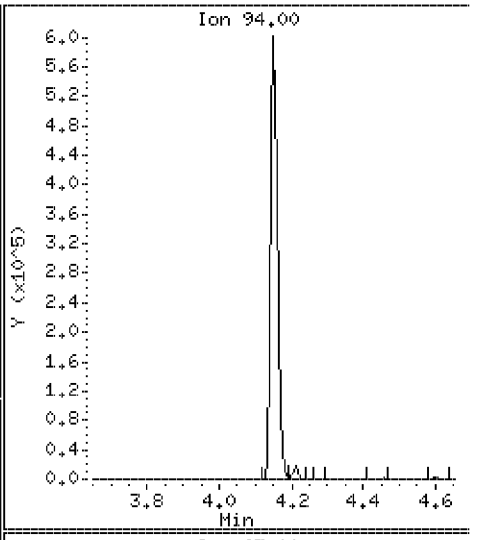
Column phase: HPMS-5

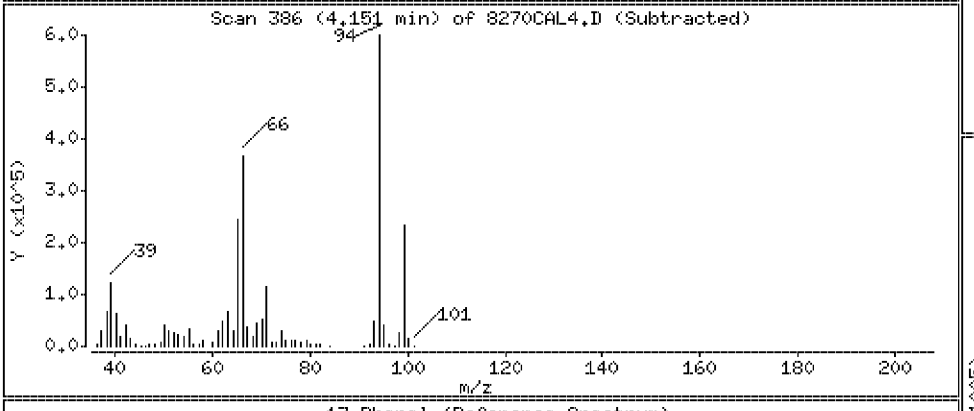
Column diameter: 0.25

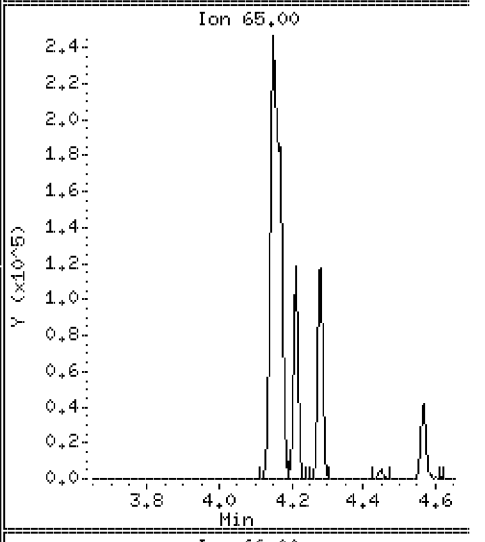
13 Phenol

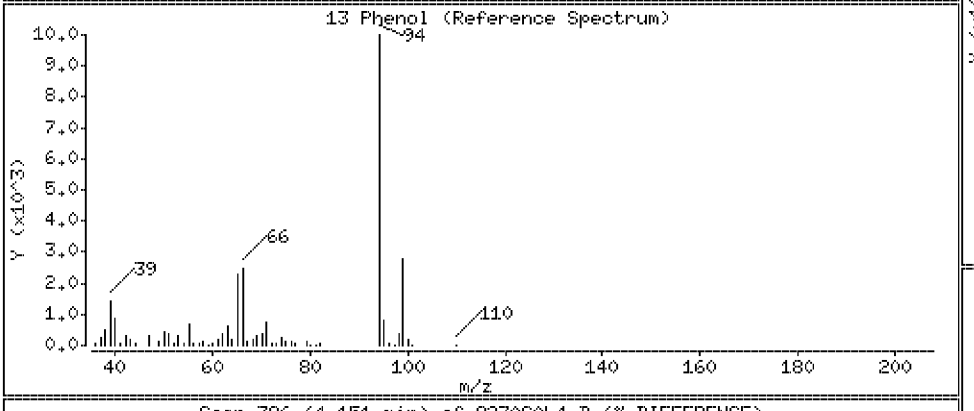
Concentration: 46.0 ug/l

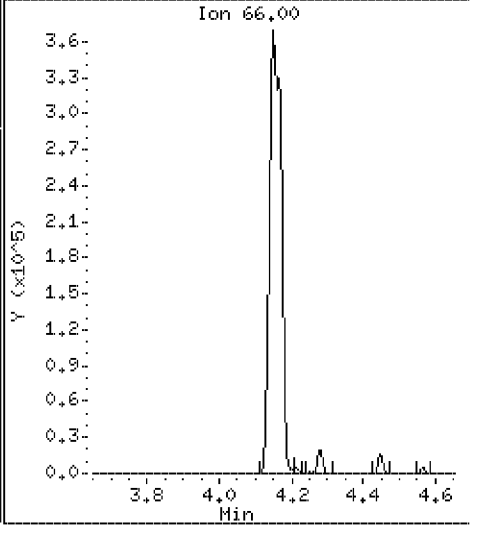


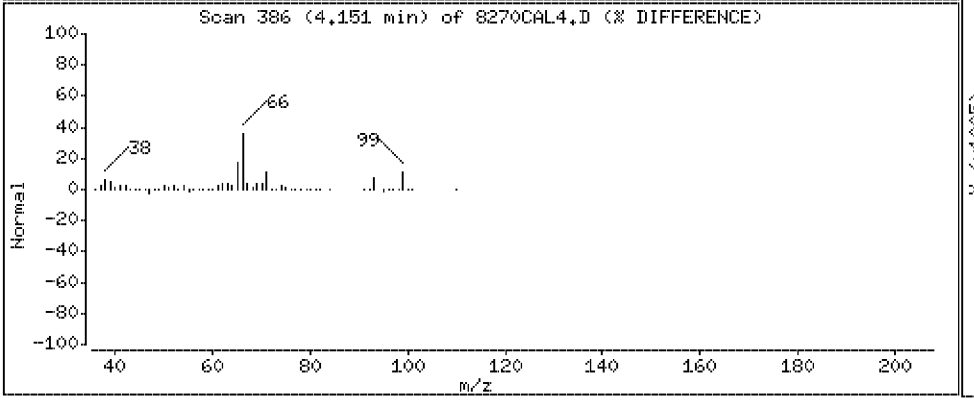












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

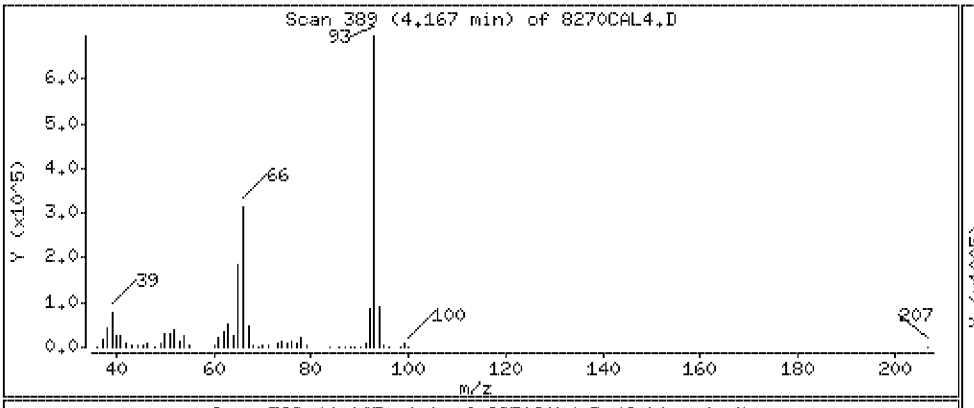
Operator: PEL

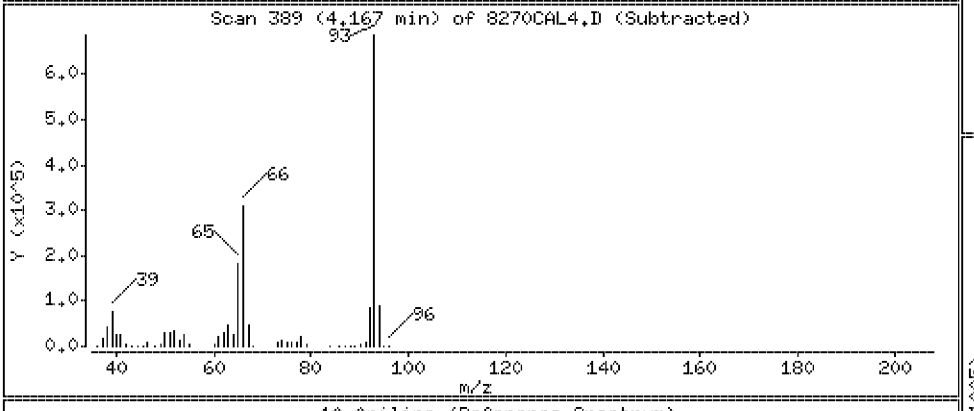
Column phase: HPMS-5

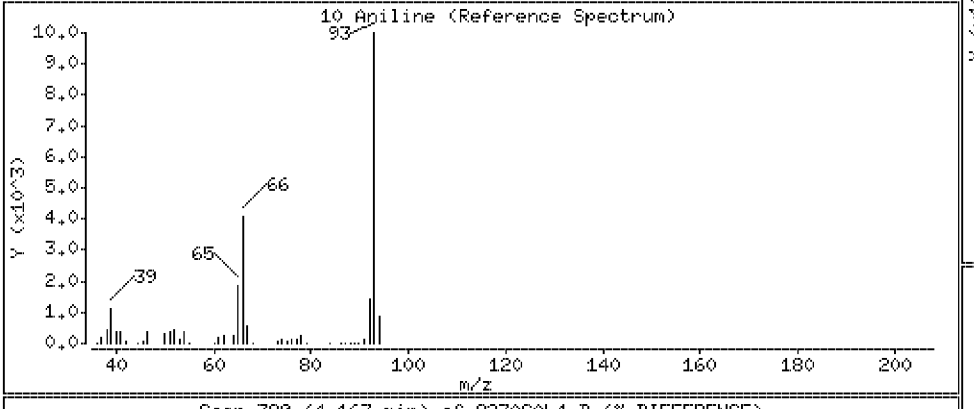
Column diameter: 0.25

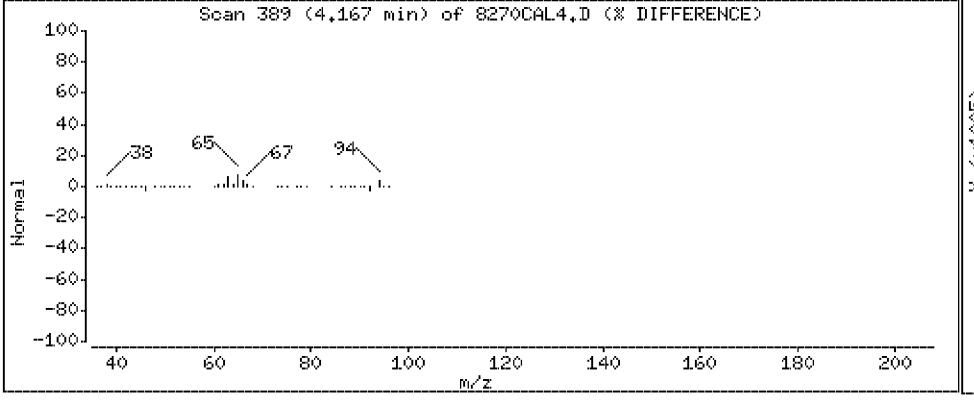
10 Aniline

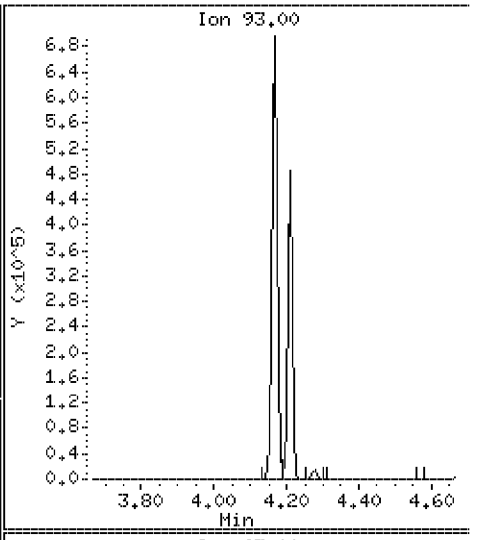
Concentration: 46.8 ug/l

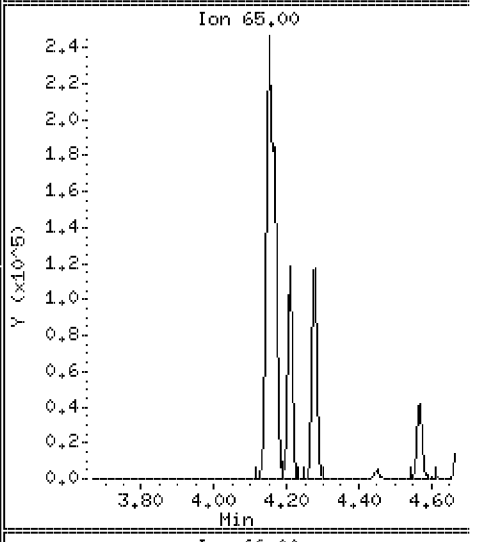


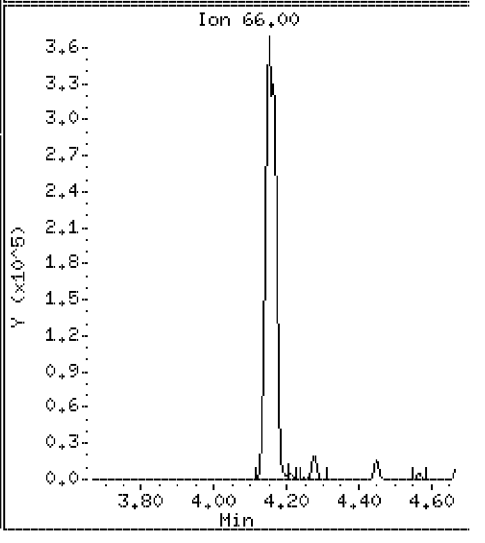












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

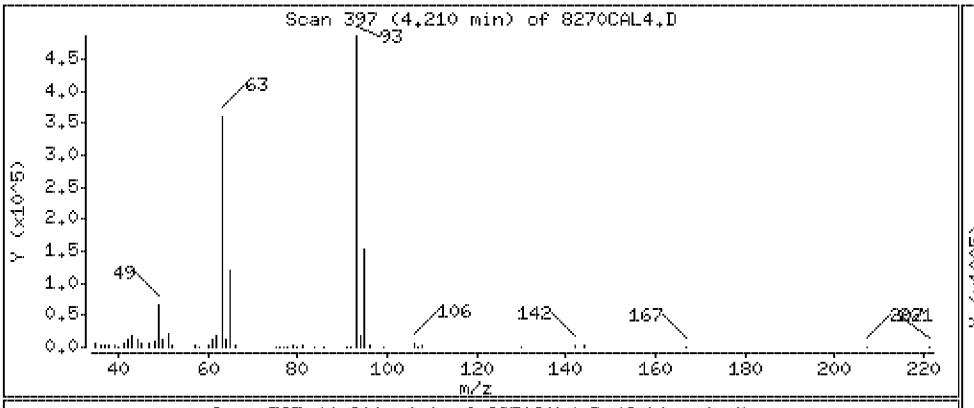
Operator: PEL

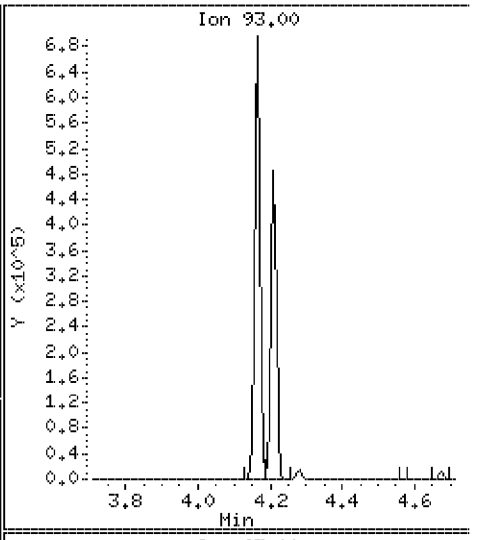
Column phase: HPMS-5

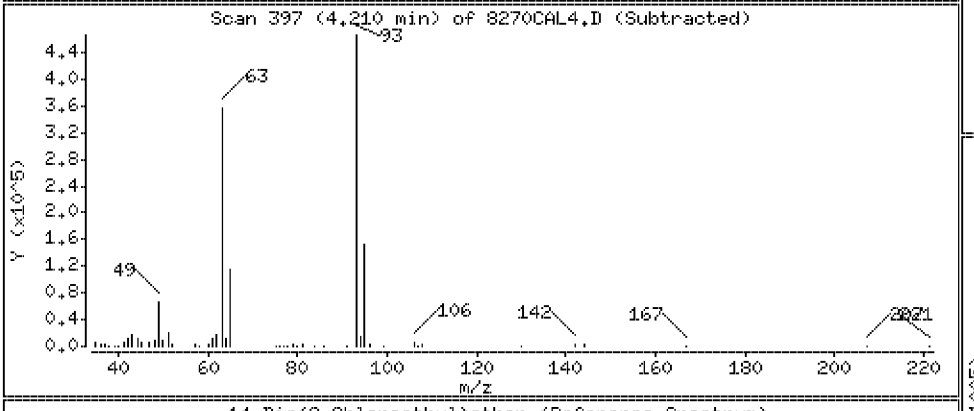
Column diameter: 0.25

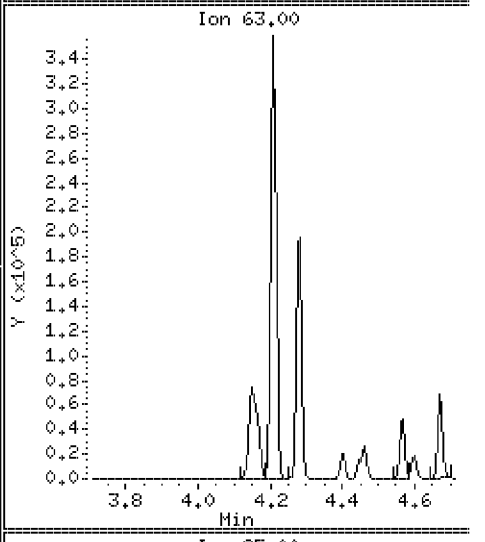
14 Bis(2-Chloroethyl)ether

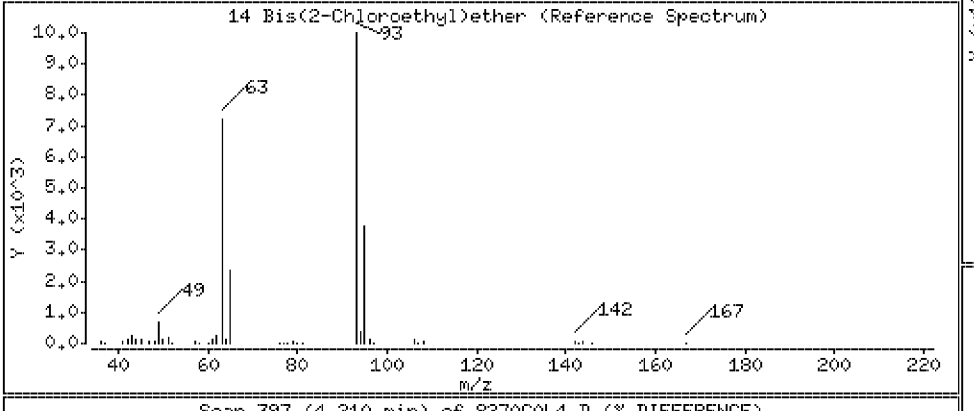
Concentration: 46.0 ug/l

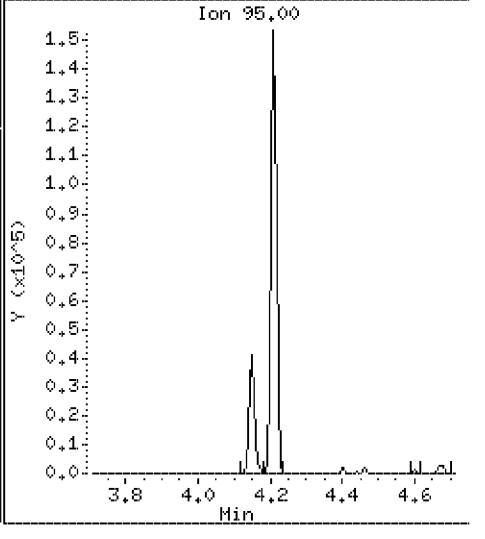


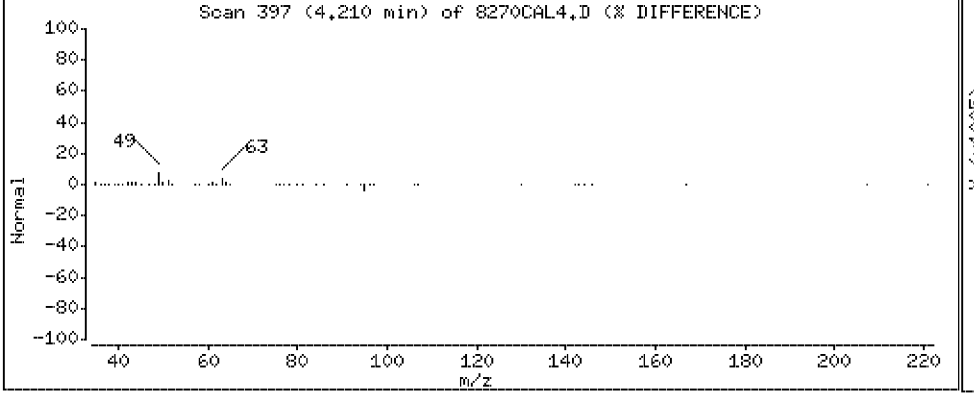












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

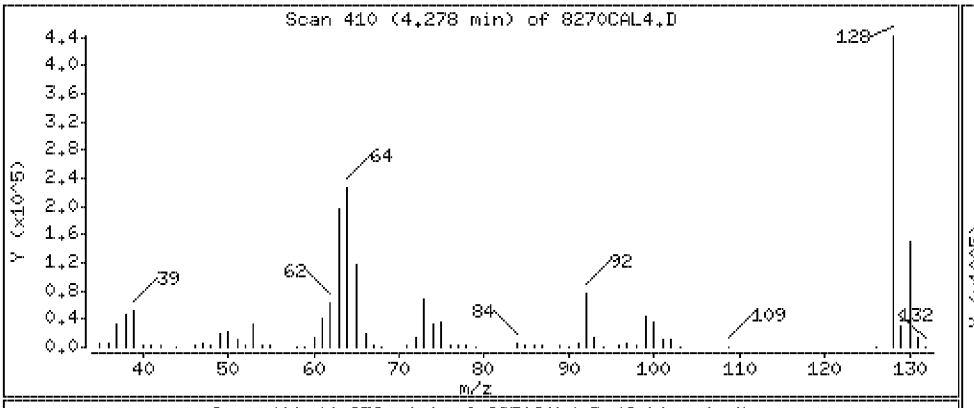
Operator: PEL

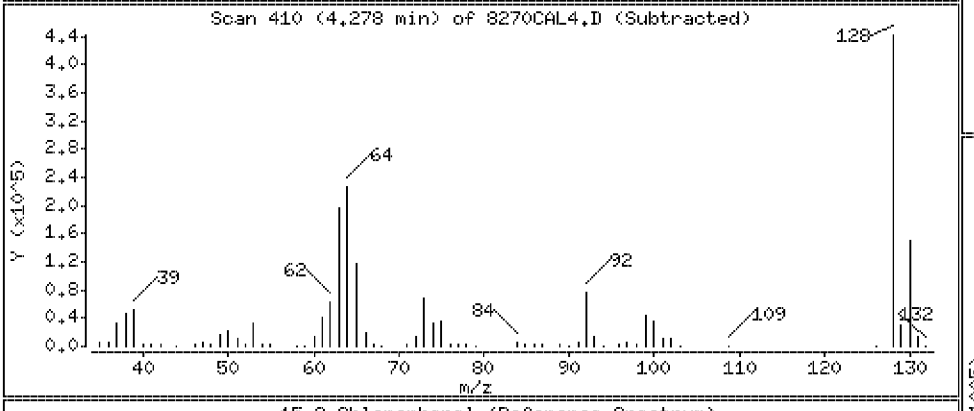
Column phase: HPMS-5

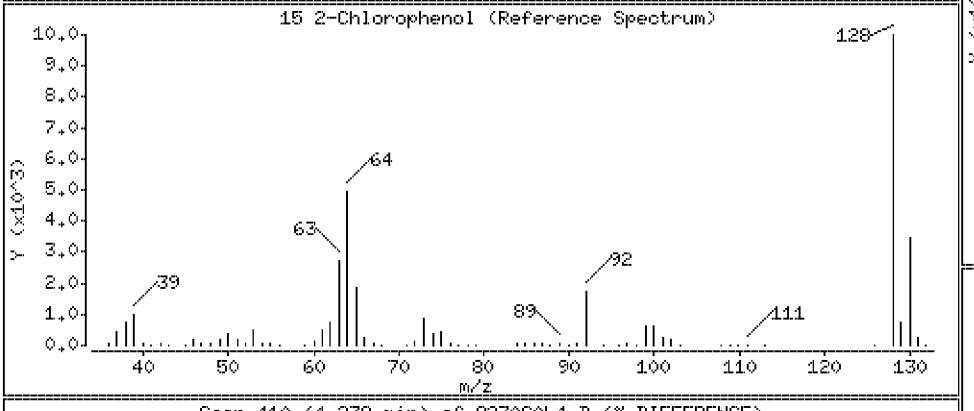
Column diameter: 0.25

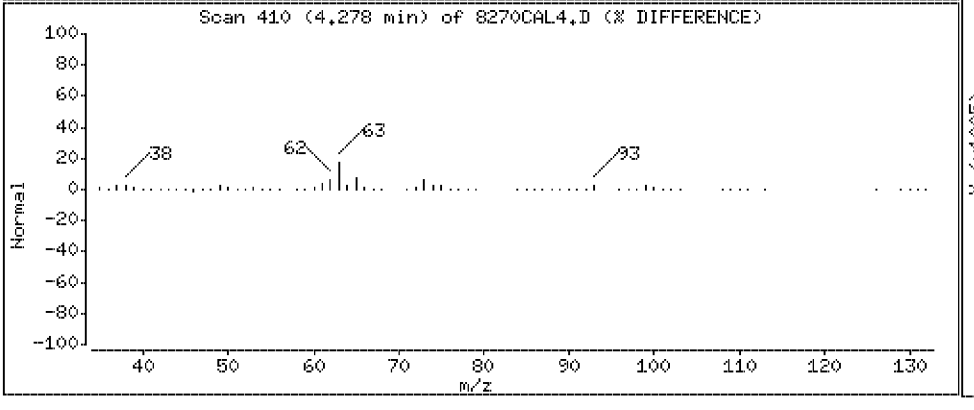
15 2-Chlorophenol

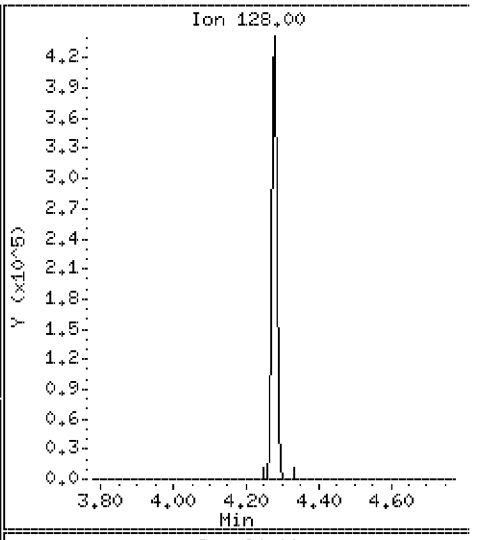
Concentration: 46.7 ug/l

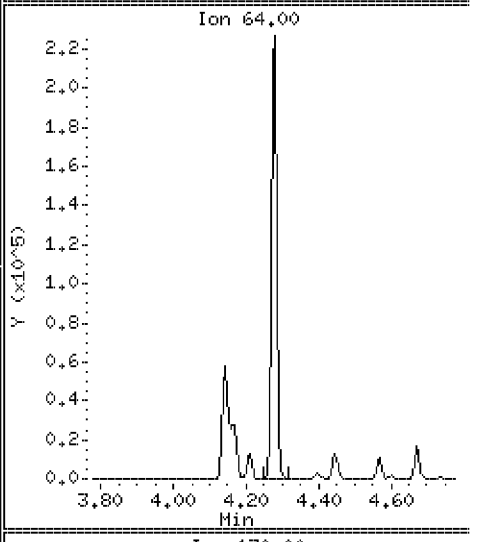


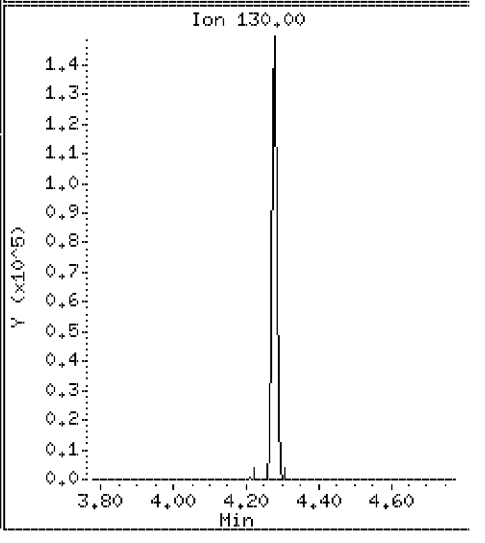












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

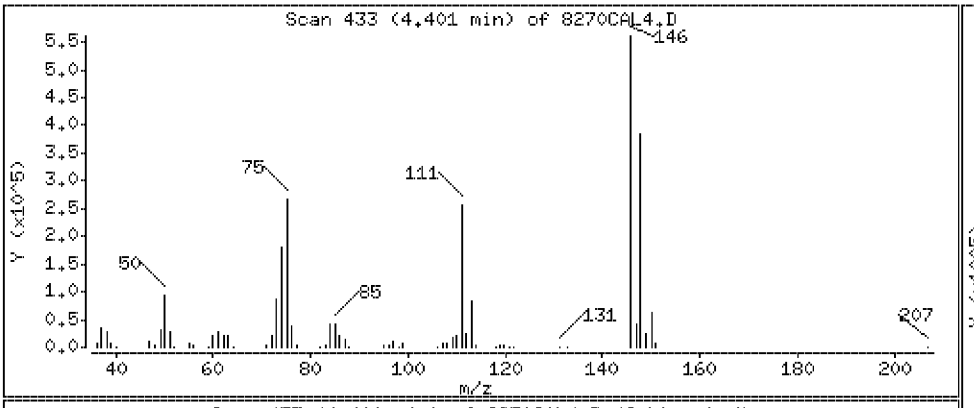
Operator: PEL

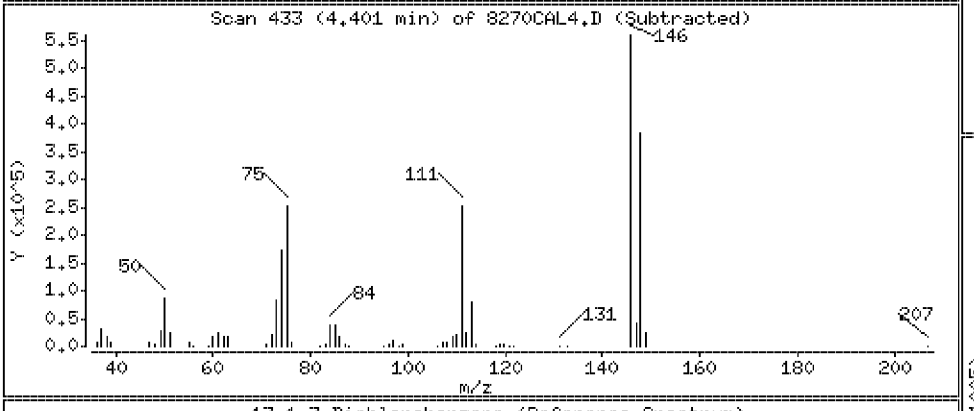
Column phase: HPMS-5

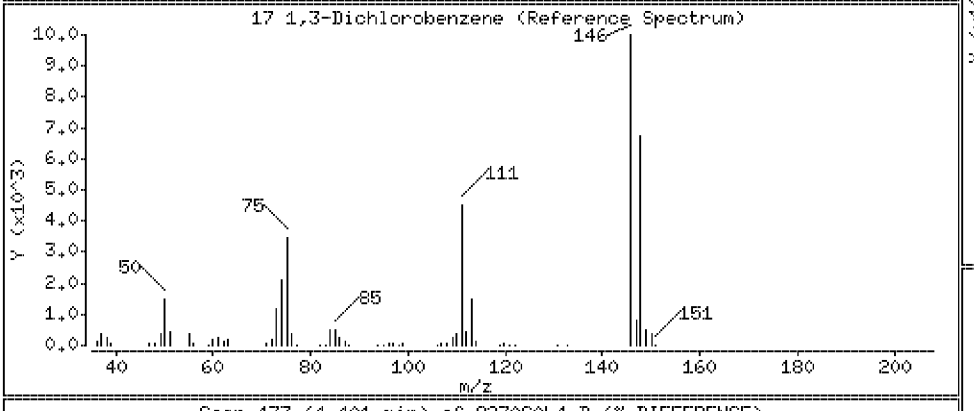
Column diameter: 0.25

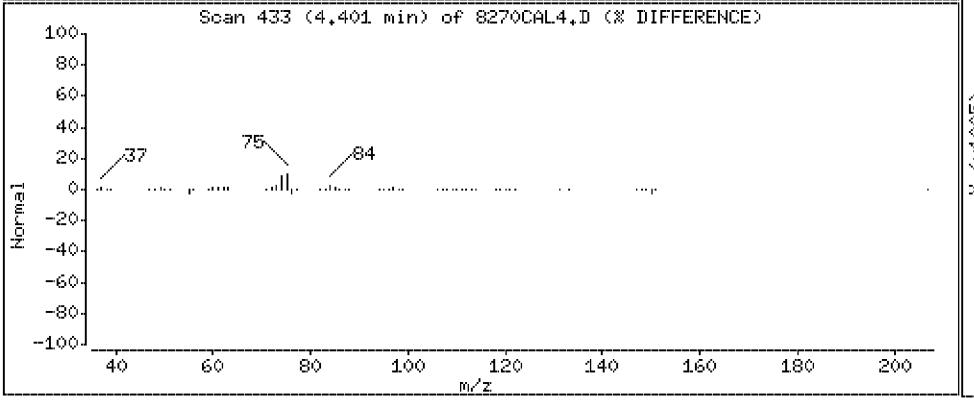
17 1,3-Dichlorobenzene

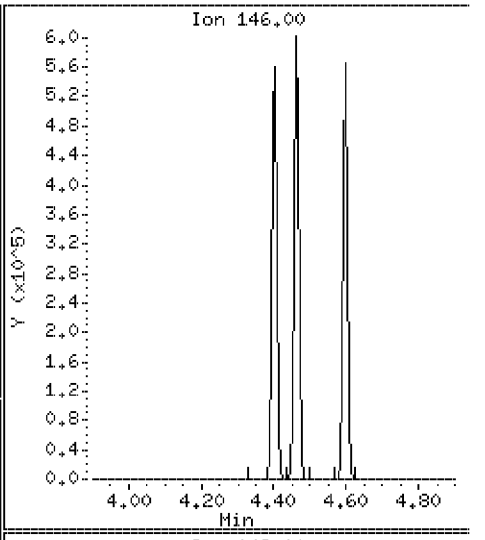
Concentration: 46.2 ug/l

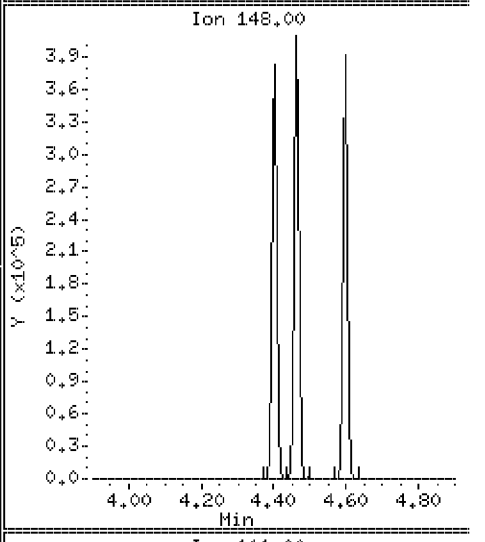


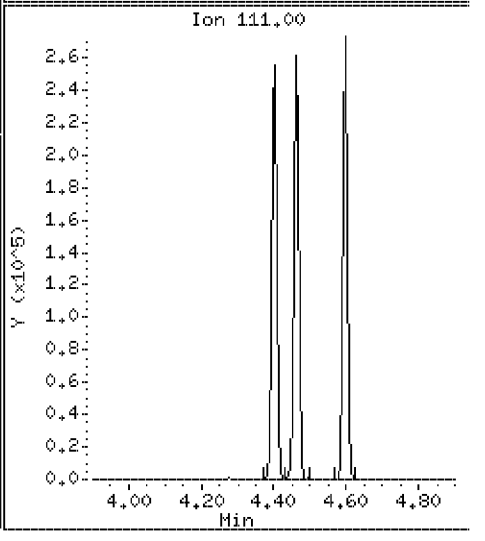












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

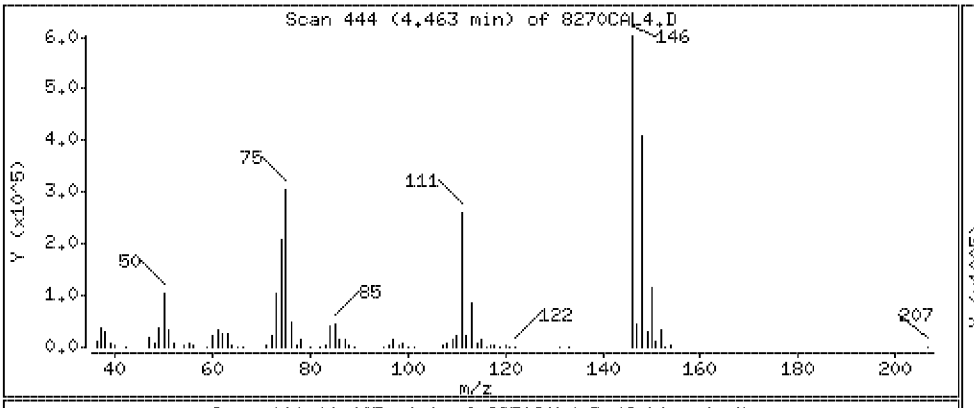
Operator: PEL

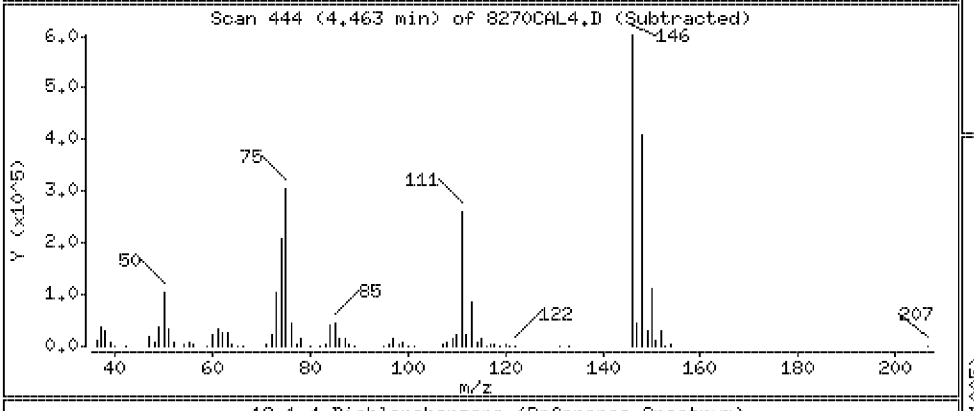
Column phase: HPMS-5

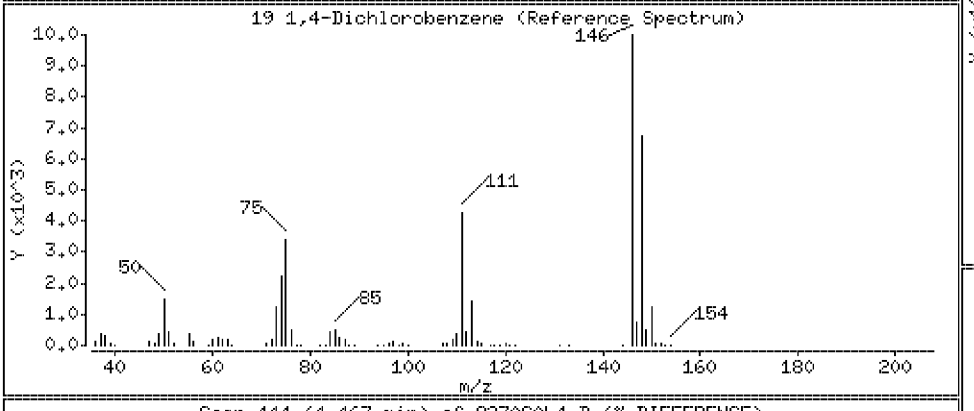
Column diameter: 0.25

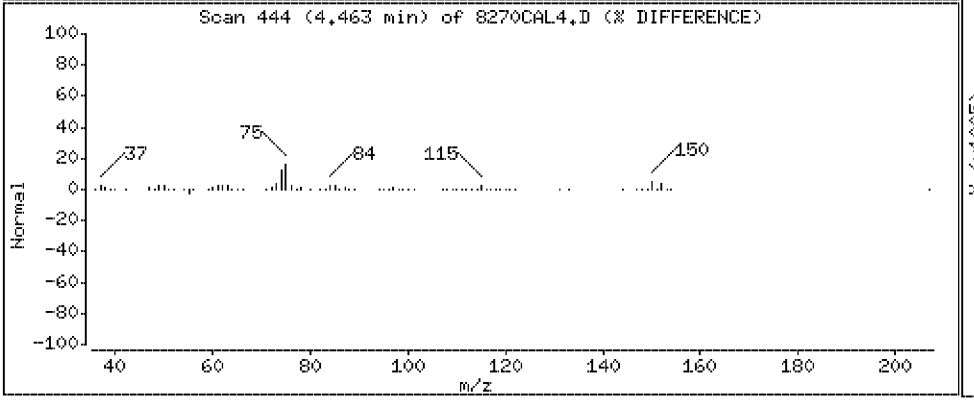
19 1,4-Dichlorobenzene

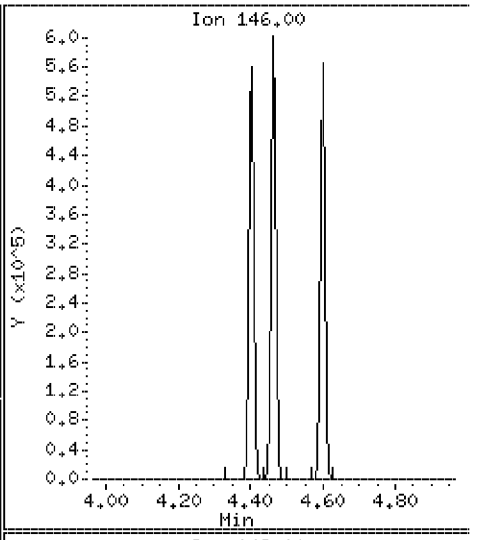
Concentration: 45.7 ug/l

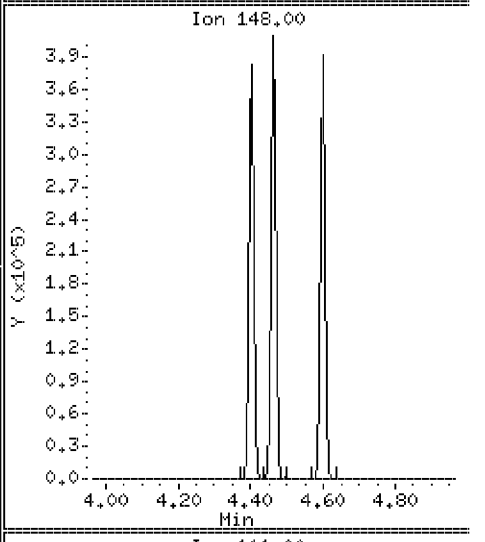


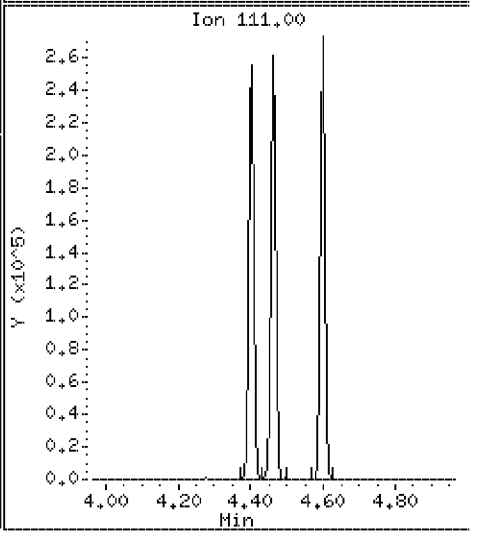












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

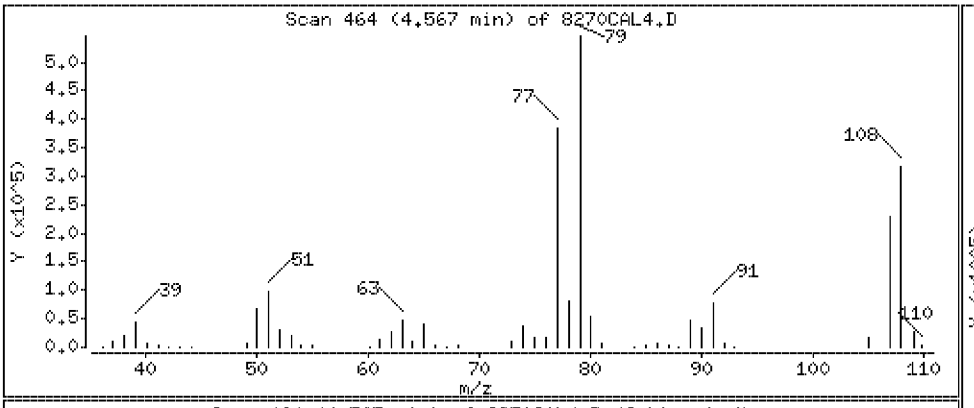
Operator: PEL

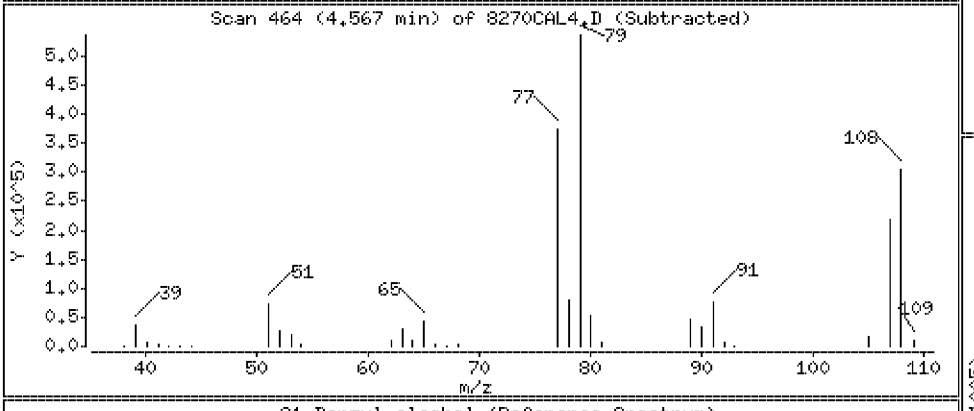
Column phase: HPMS-5

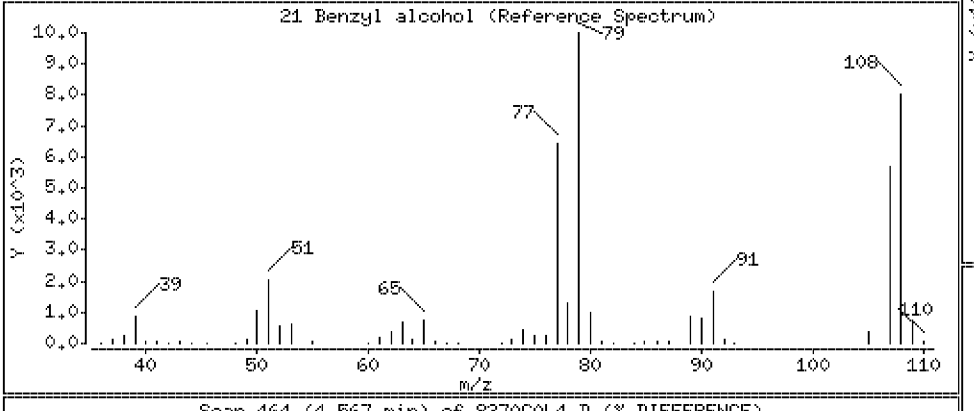
Column diameter: 0.25

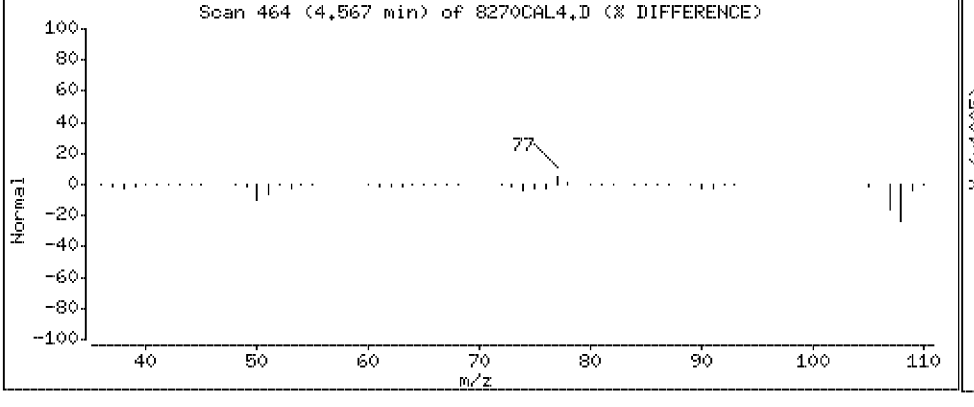
21 Benzyl alcohol

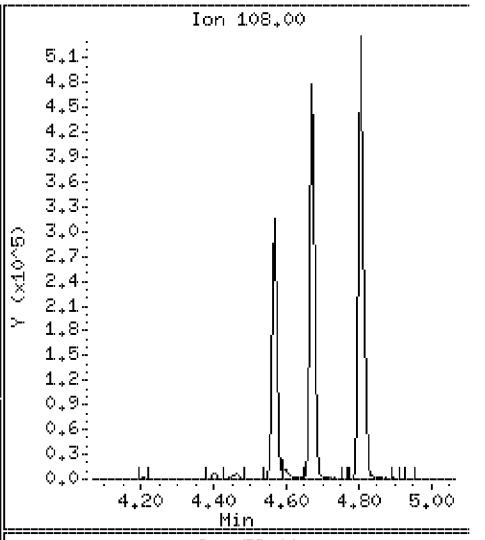
Concentration: 45.1 ug/l

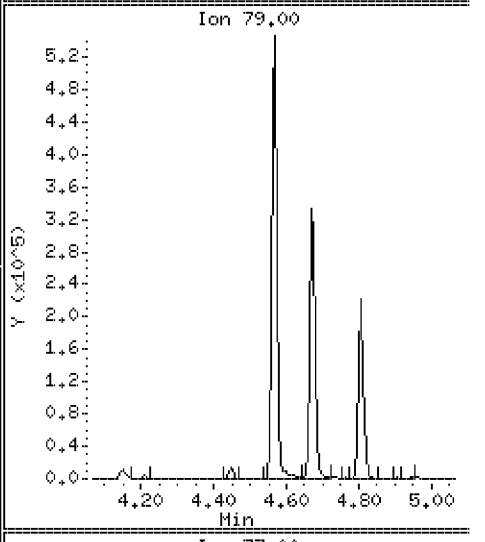


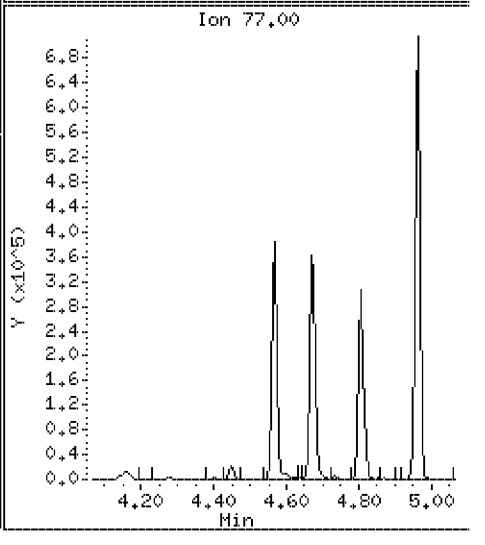












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

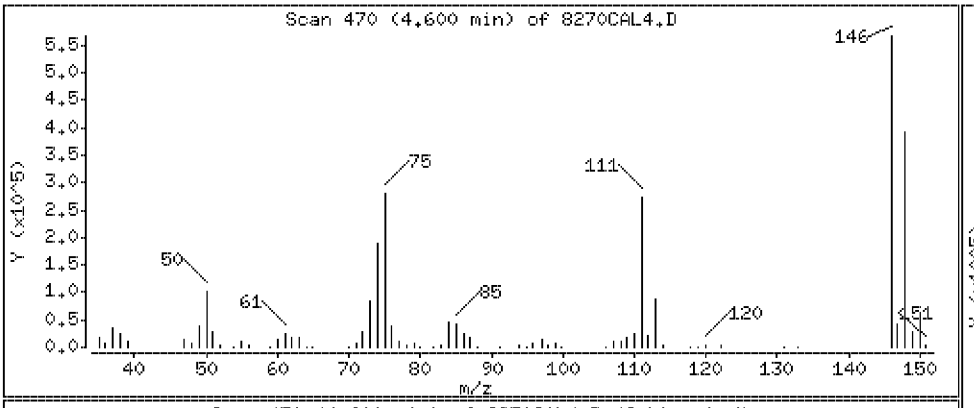
Operator: PEL

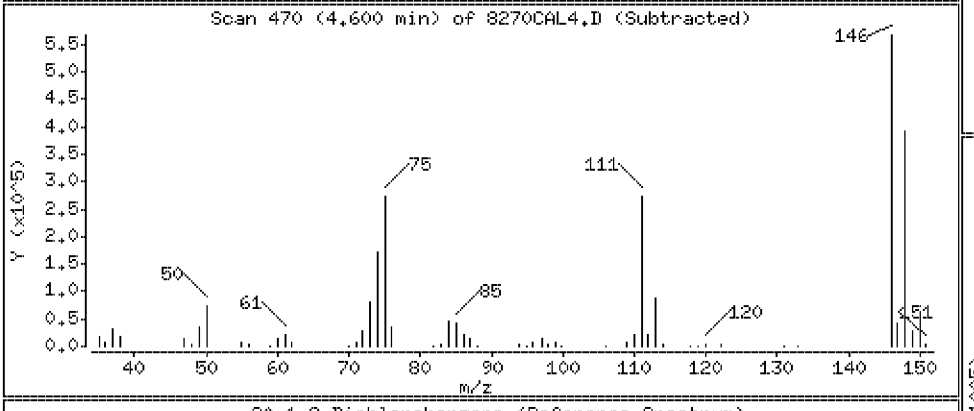
Column phase: HPMS-5

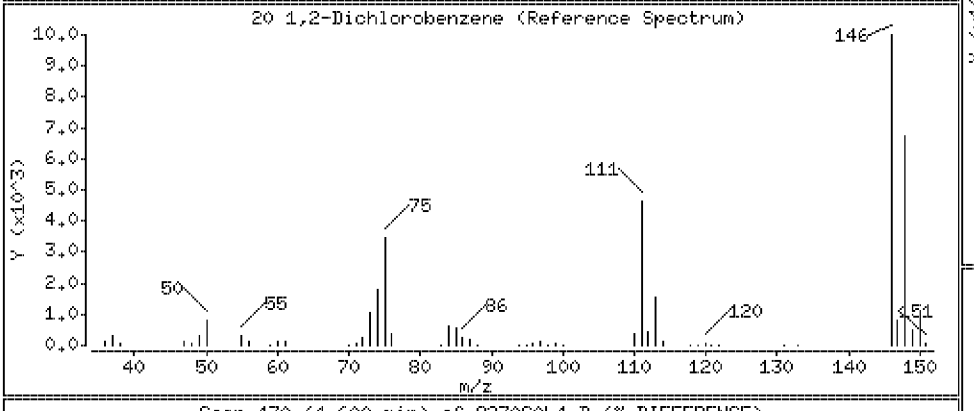
Column diameter: 0.25

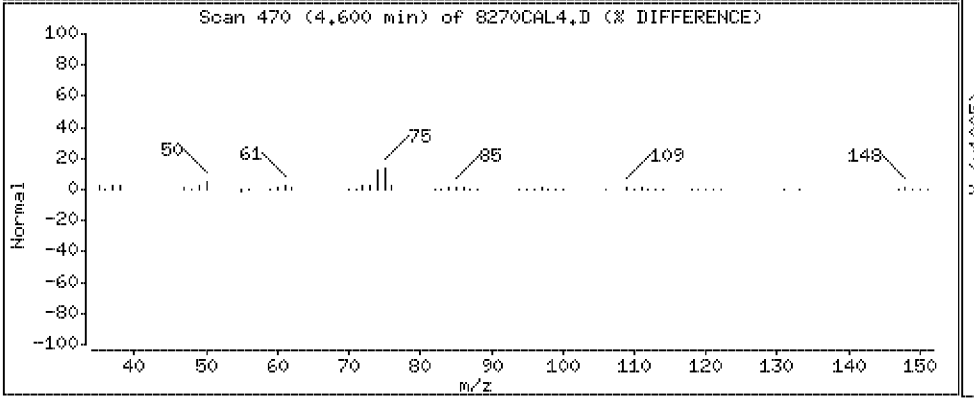
20 1,2-Dichlorobenzene

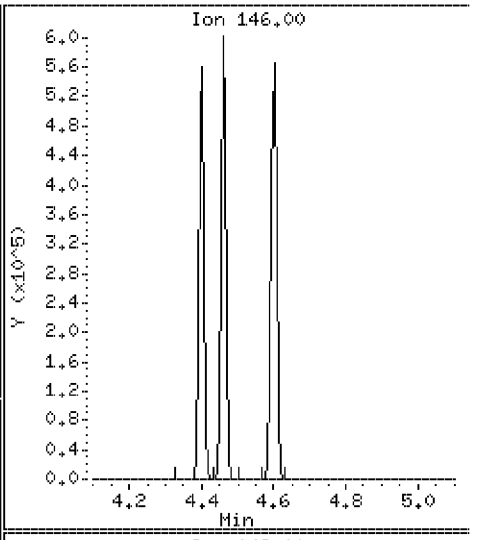
Concentration: 45.6 ug/l

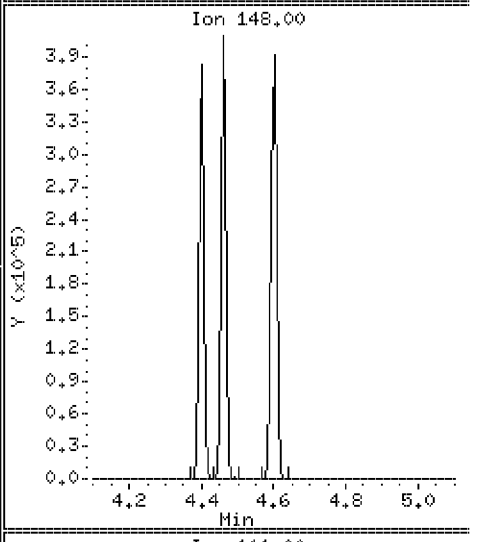


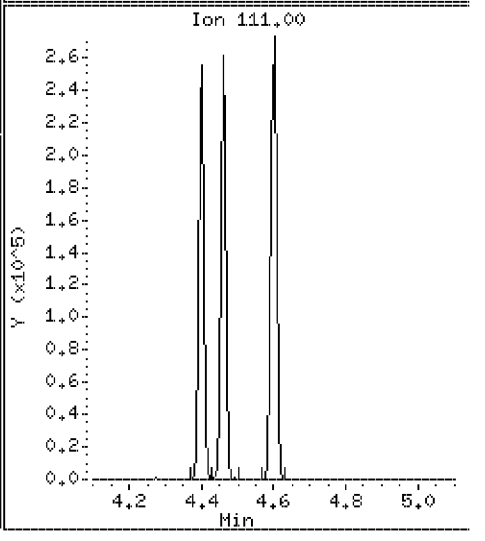












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

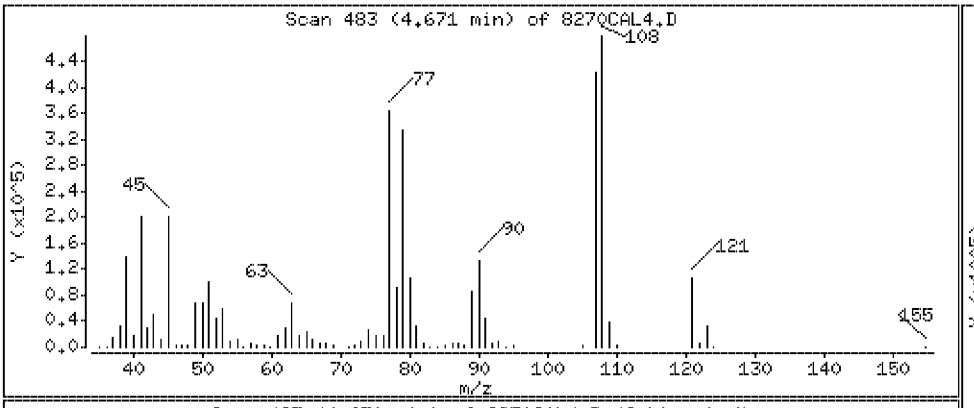
Operator: PEL

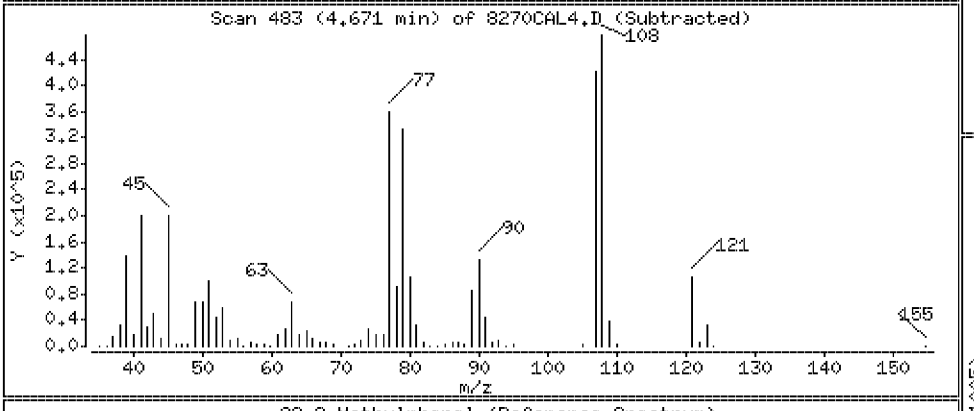
Column phase: HPMS-5

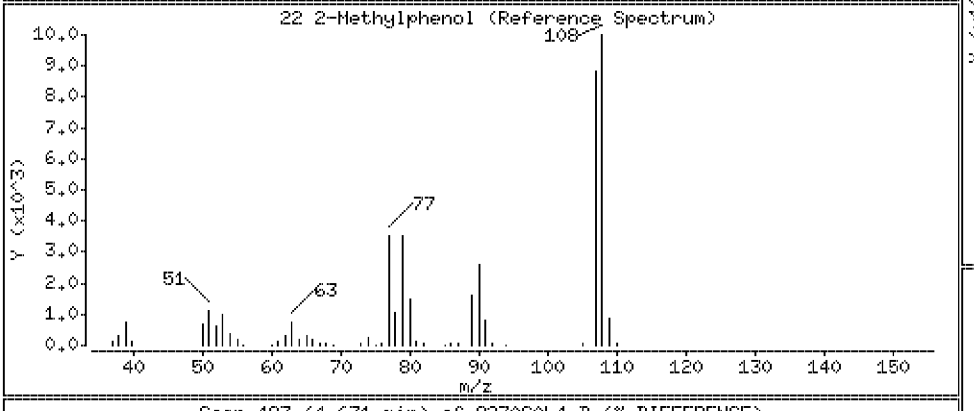
Column diameter: 0.25

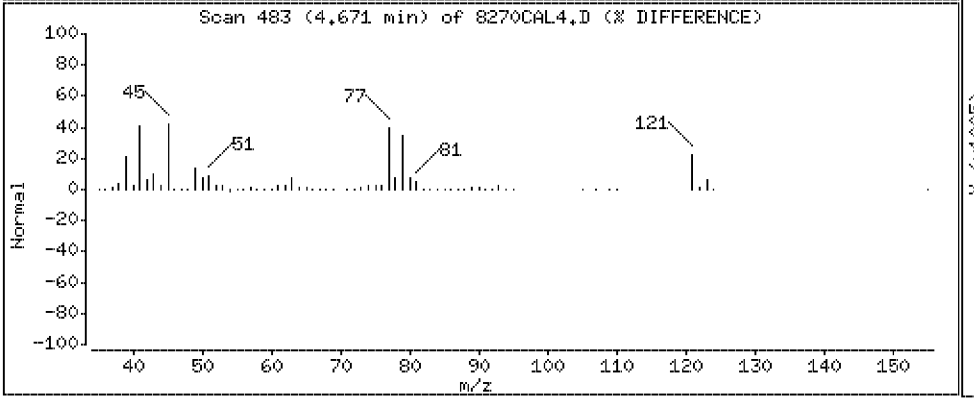
22 2-Methylphenol

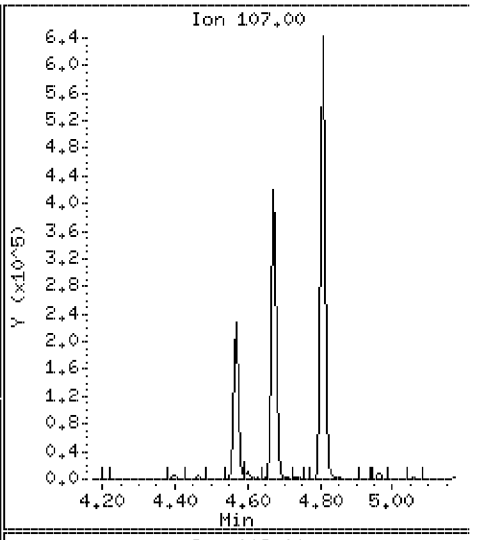
Concentration: 46.8 ug/l

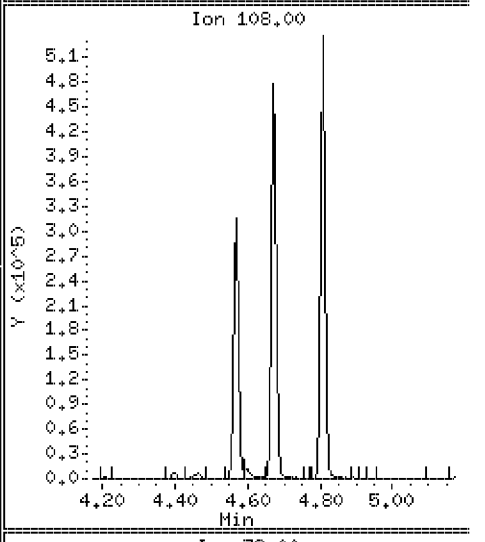


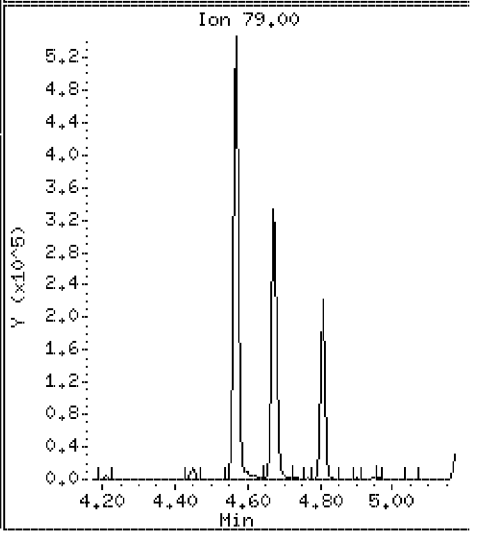












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

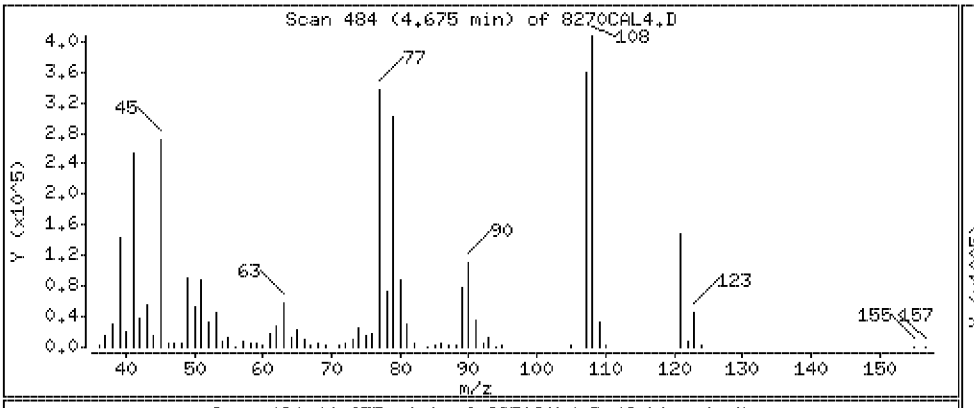
Operator: PEL

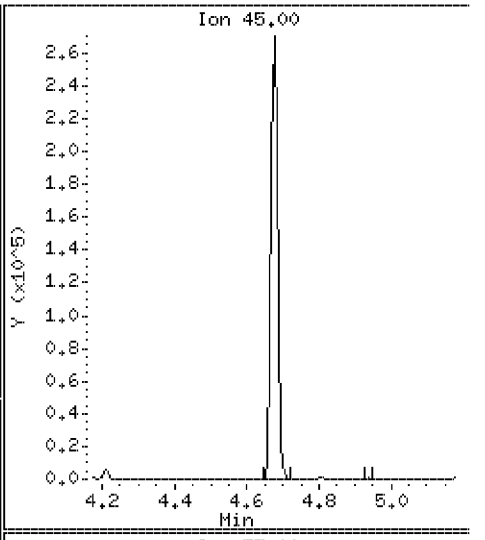
Column phase: HPMS-5

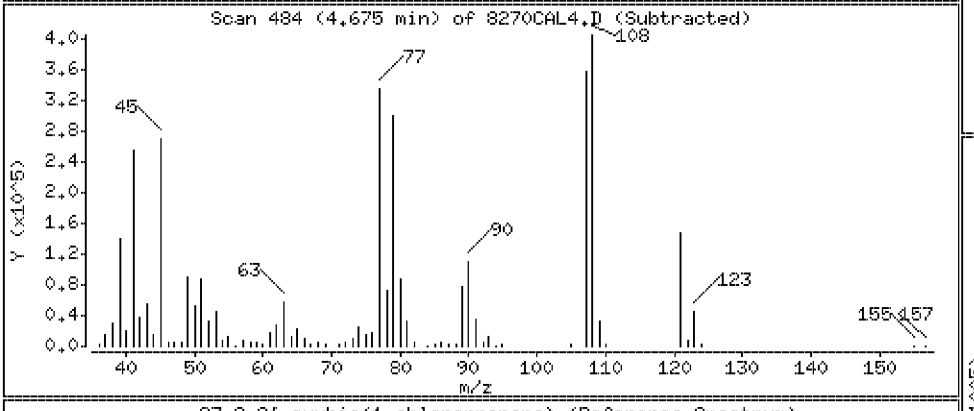
Column diameter: 0.25

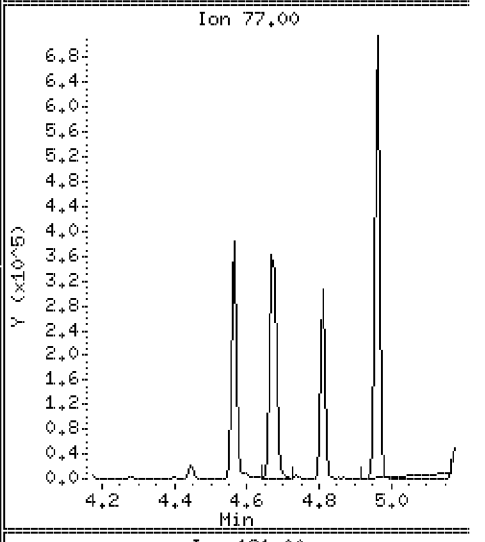
23 2,2'-oxybis(1-chloropropane)

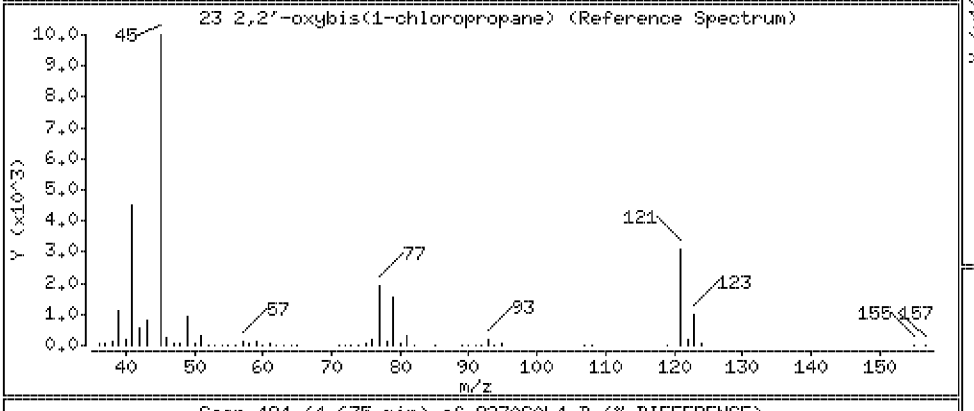
Concentration: 46.0 ug/l

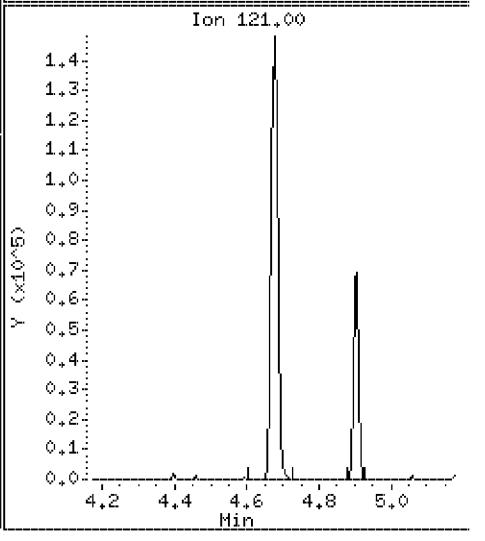


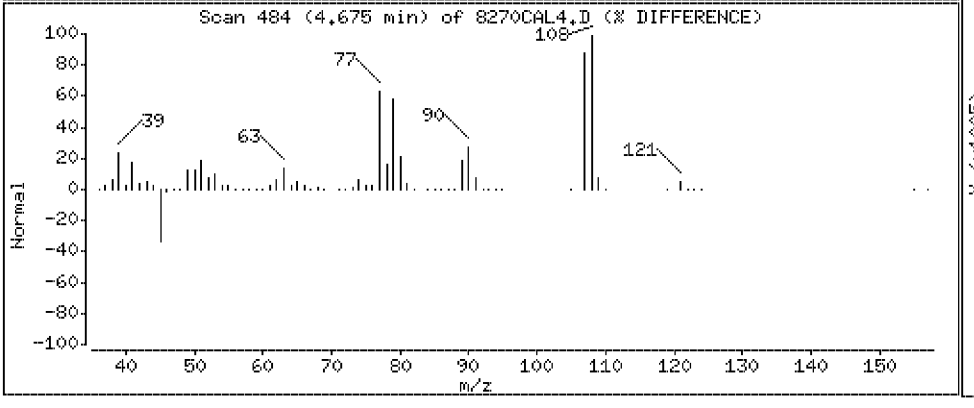












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

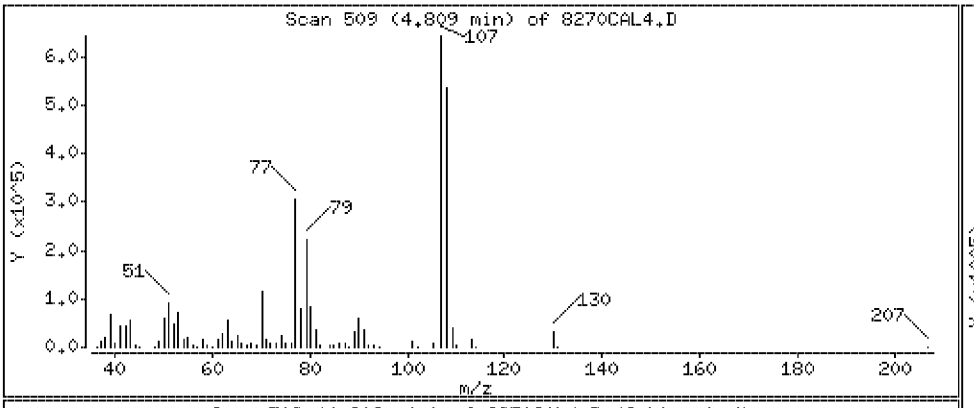
Operator: PEL

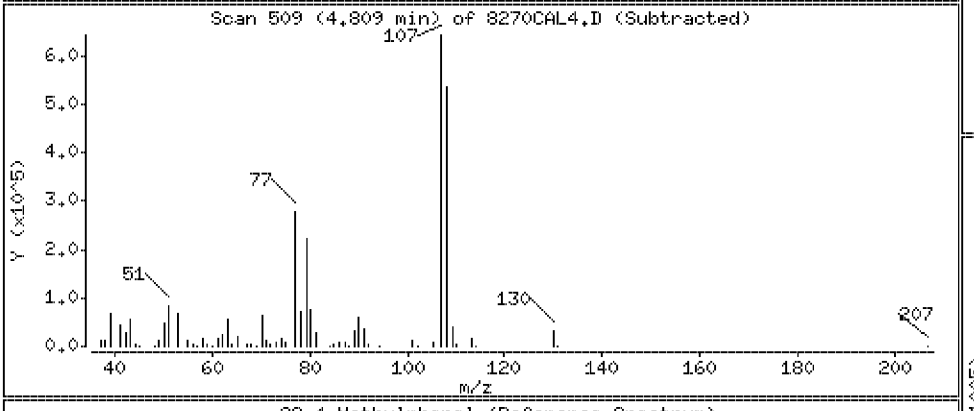
Column phase: HPMS-5

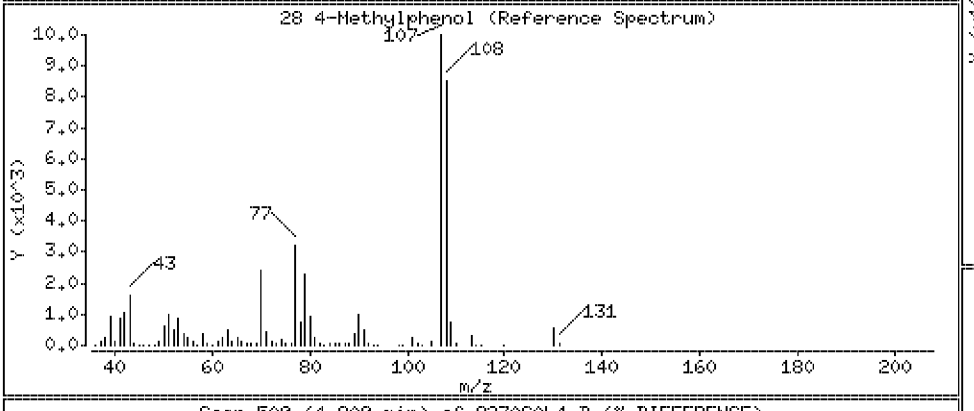
Column diameter: 0.25

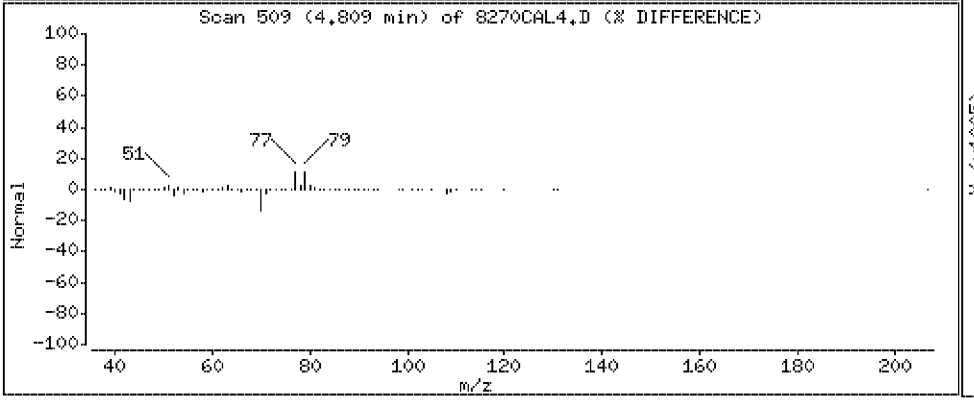
28 4-Methylphenol

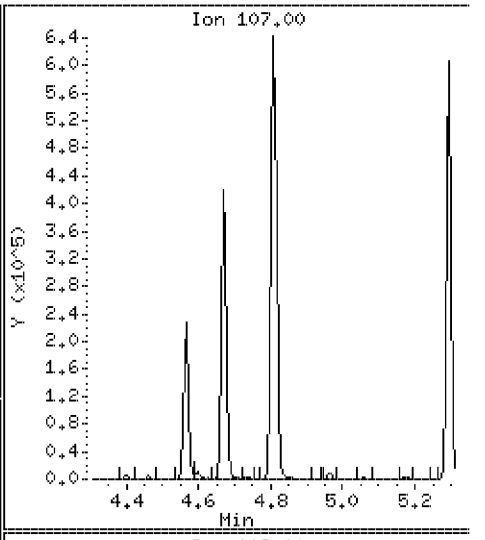
Concentration: 46.2 ug/l

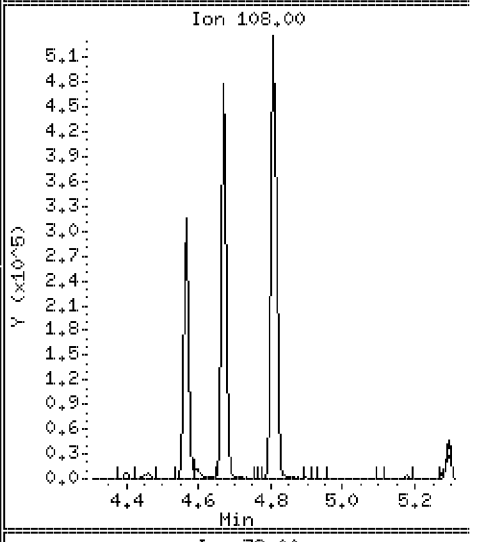


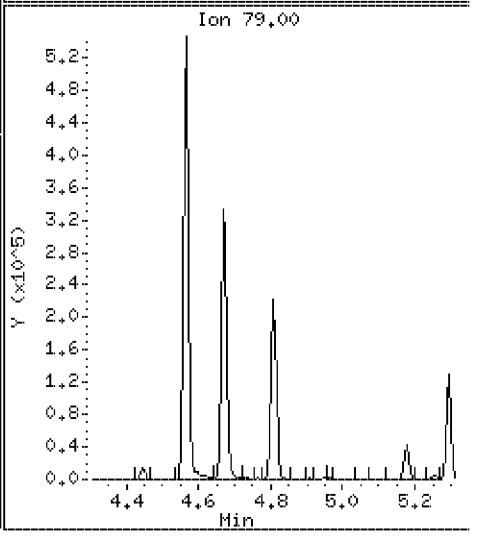












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

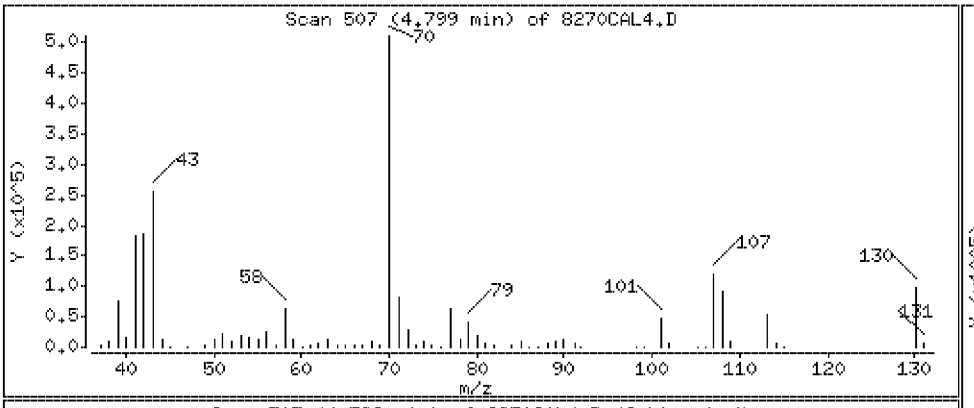
Operator: PEL

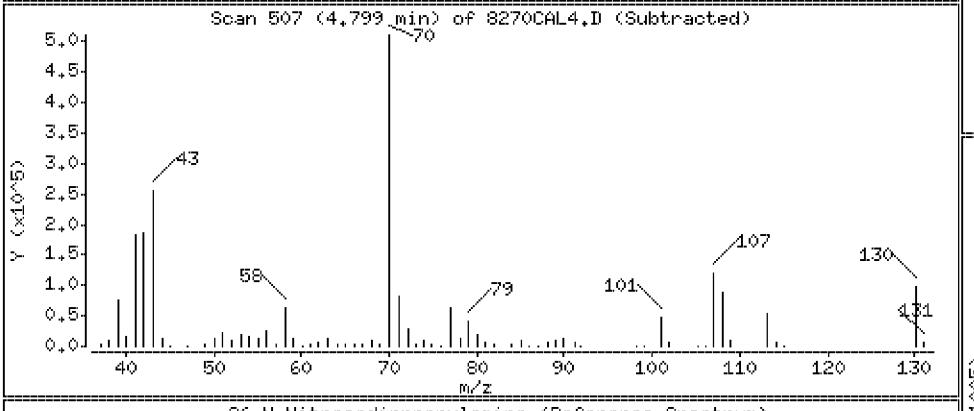
Column phase: HPMS-5

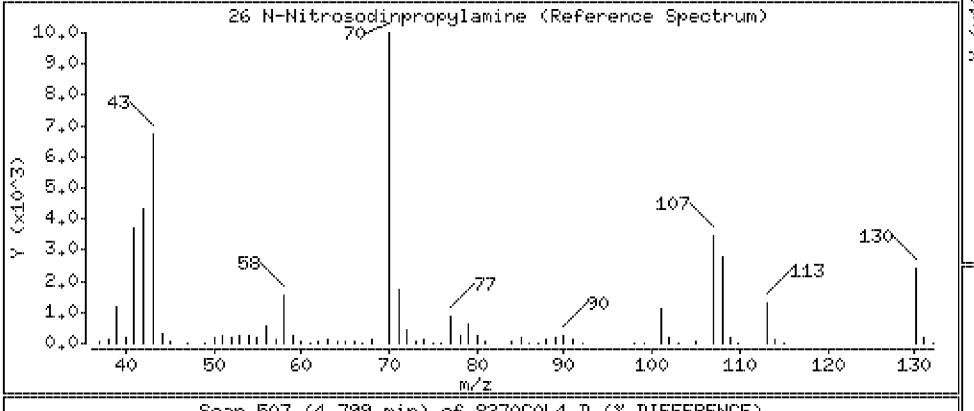
Column diameter: 0.25

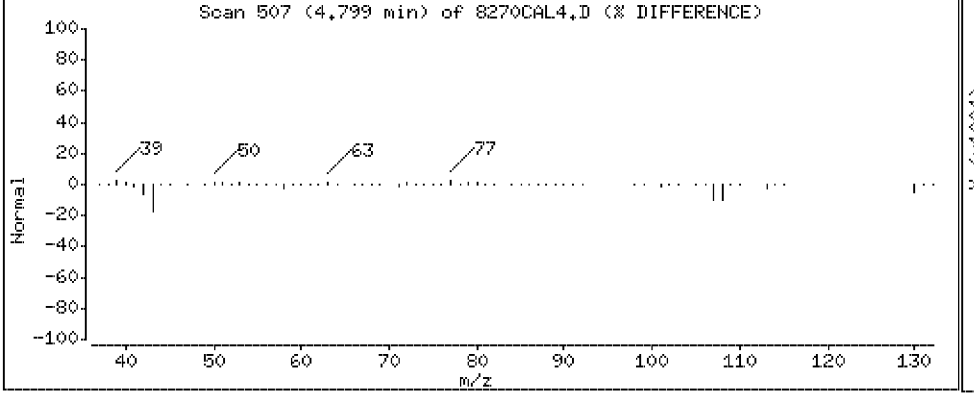
26 N-Nitrosodinpropylamine

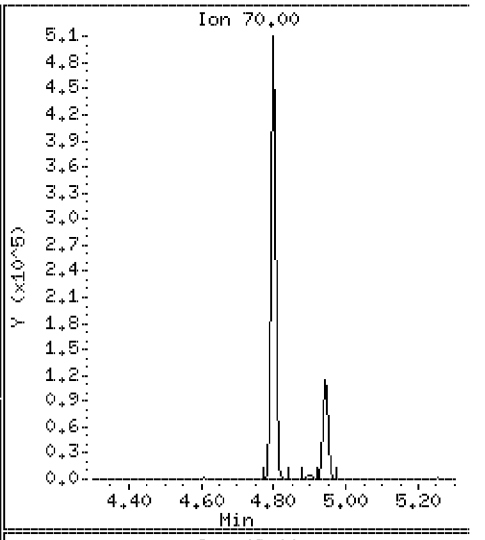
Concentration: 47.2 ug/l

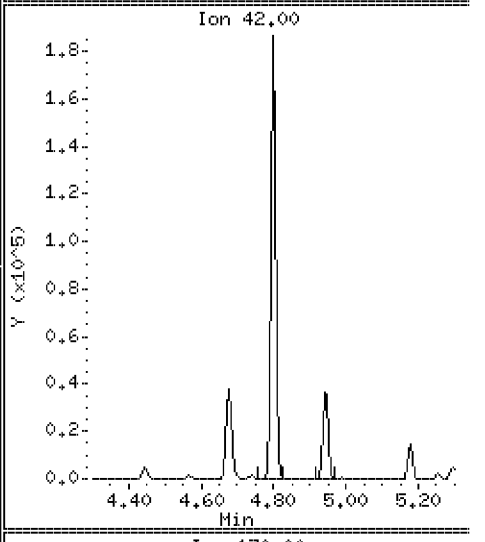


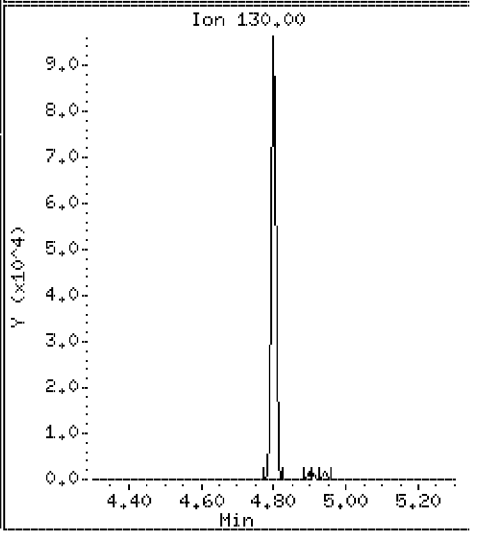












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

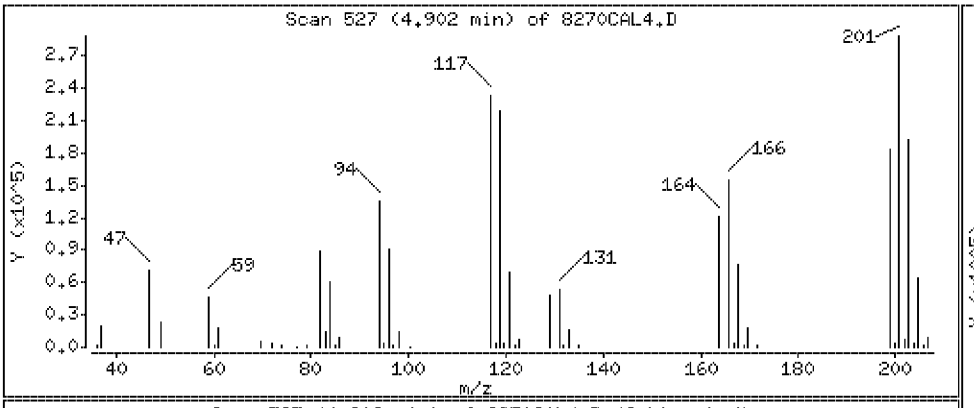
Operator: PEL

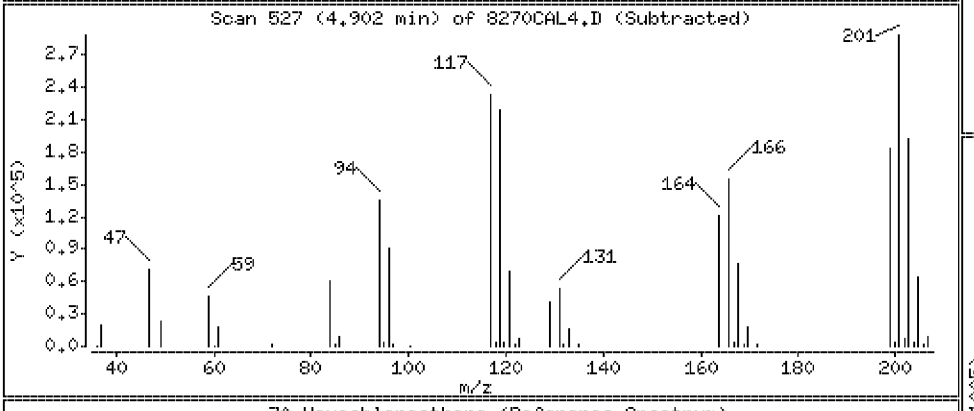
Column phase: HPMS-5

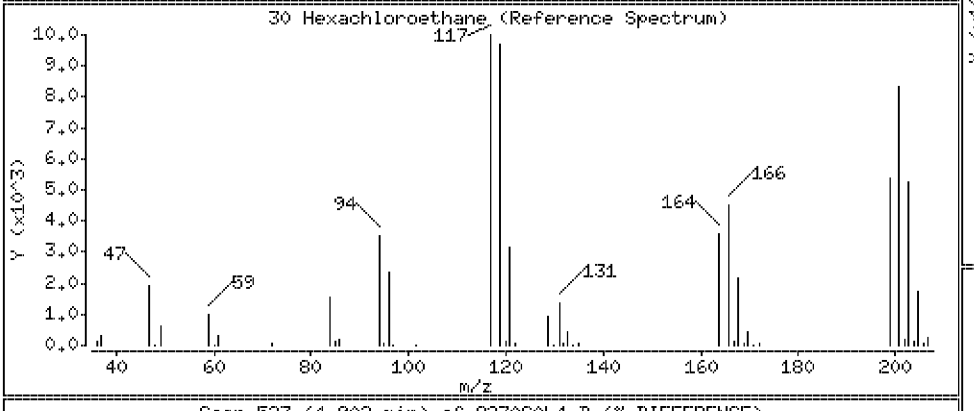
Column diameter: 0.25

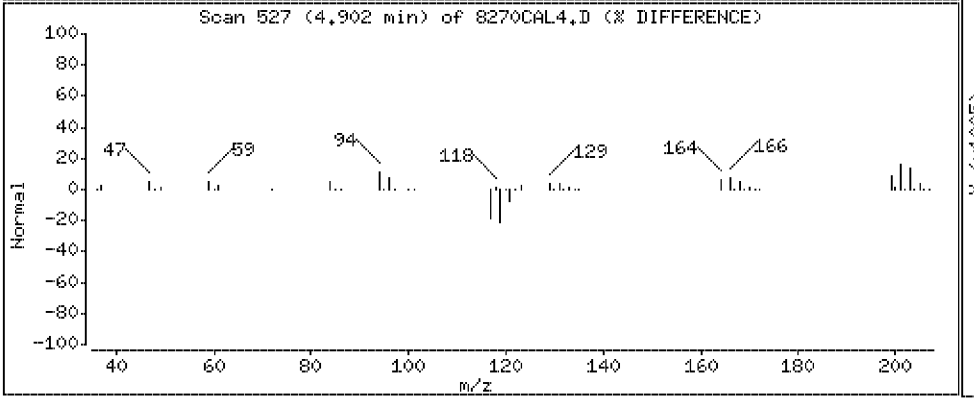
30 Hexachloroethane

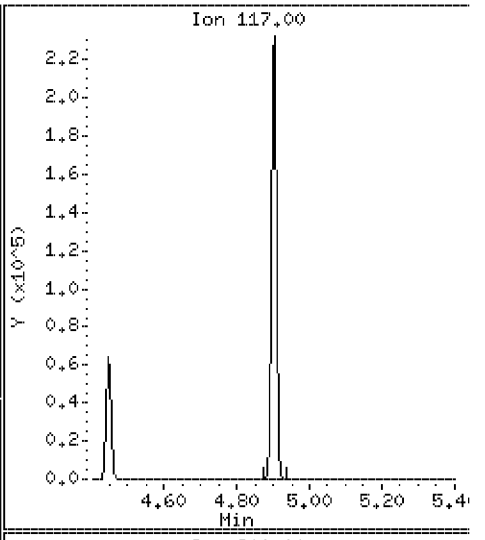
Concentration: 46.4 ug/l

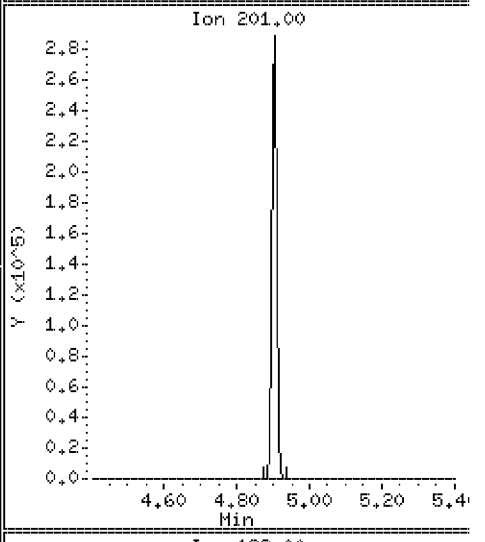


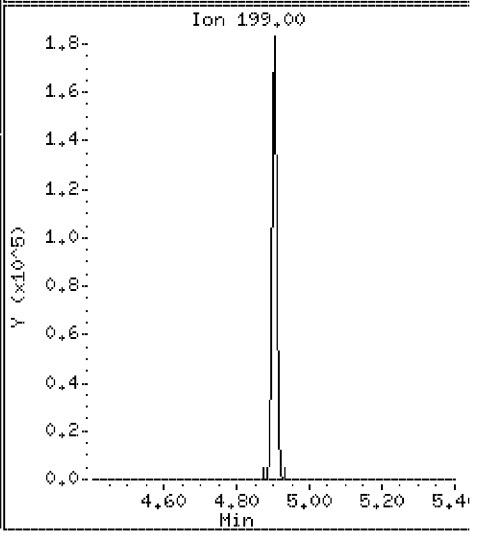












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

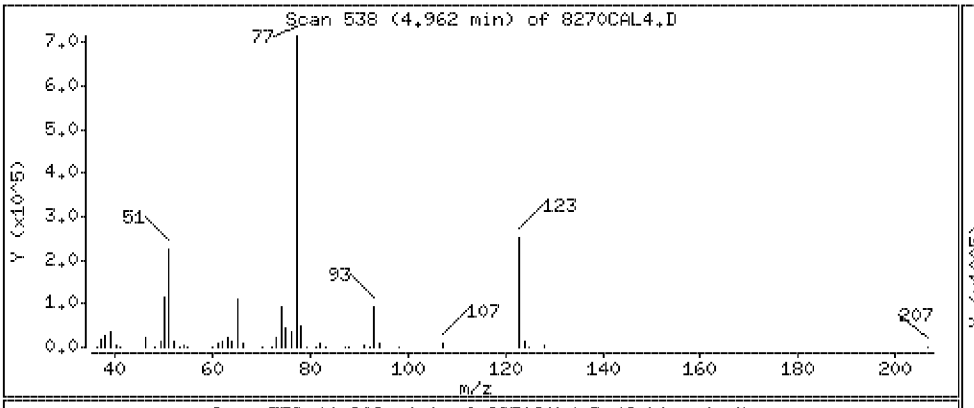
Operator: PEL

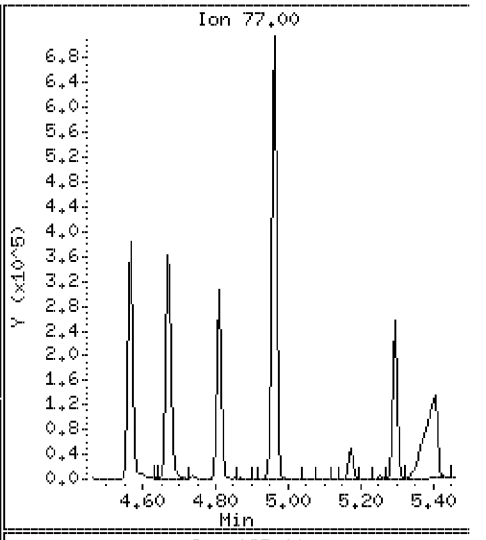
Column phase: HPMS-5

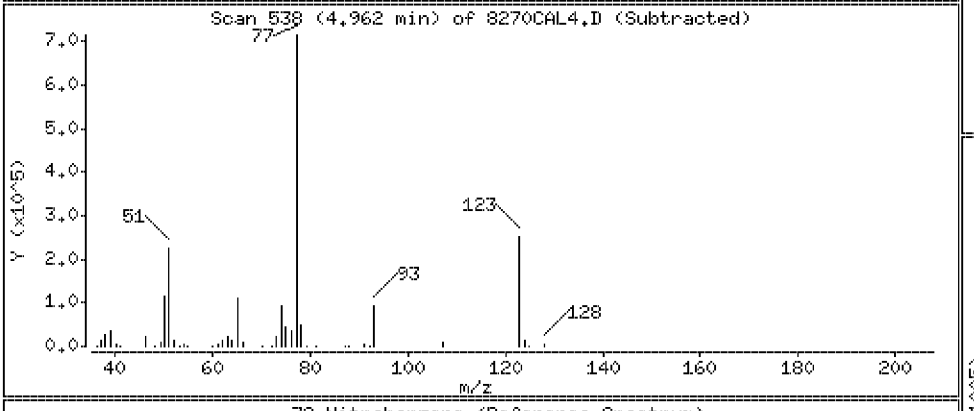
Column diameter: 0.25

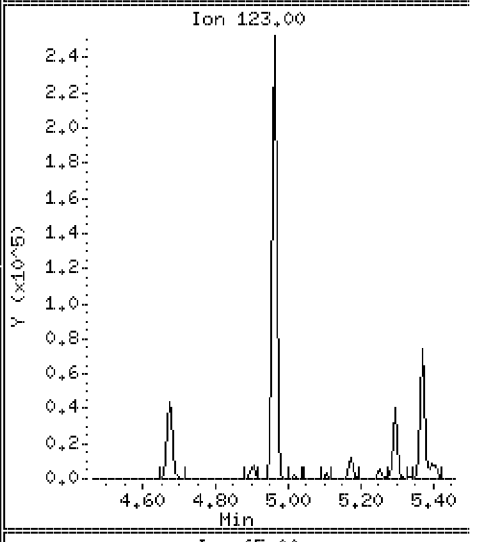
32 Nitrobenzene

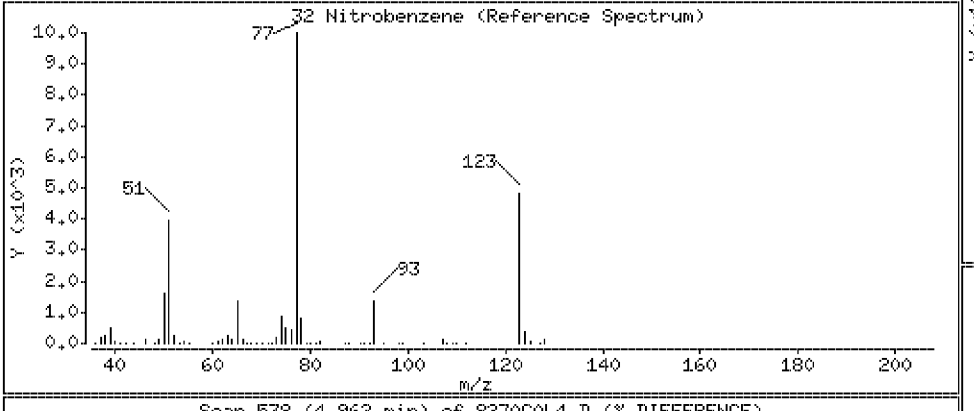
Concentration: 45.9 ug/l

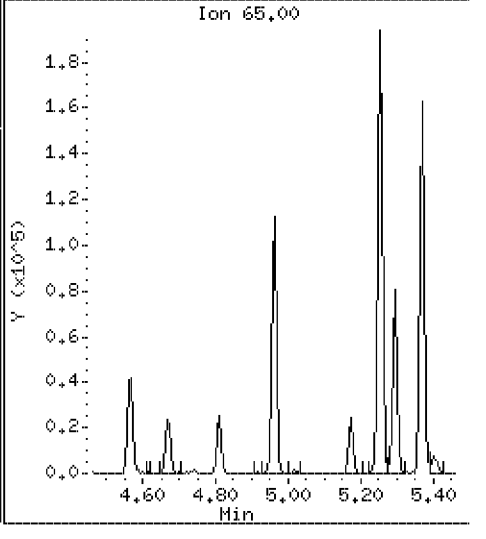


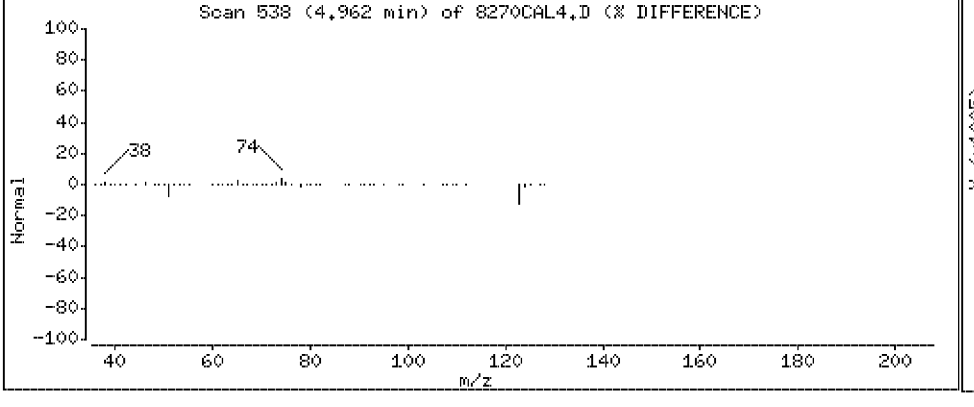












Date : 23-APR-2012 11:34

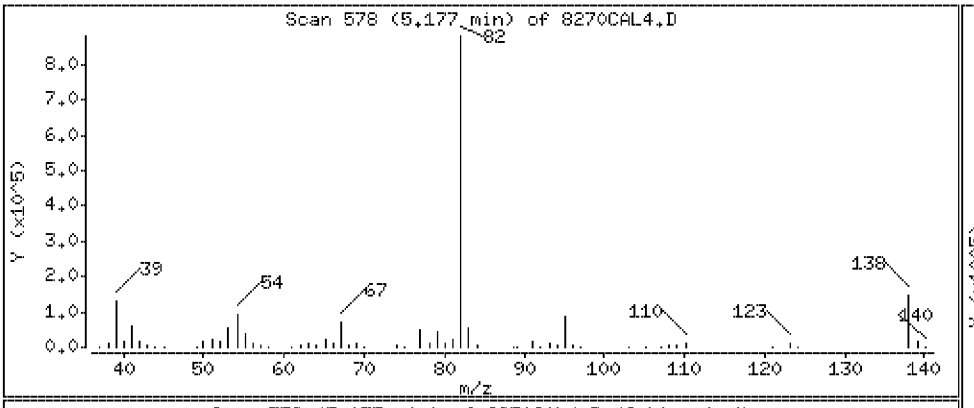
Client ID: 8270CAL4 Instrument: smsd03.i

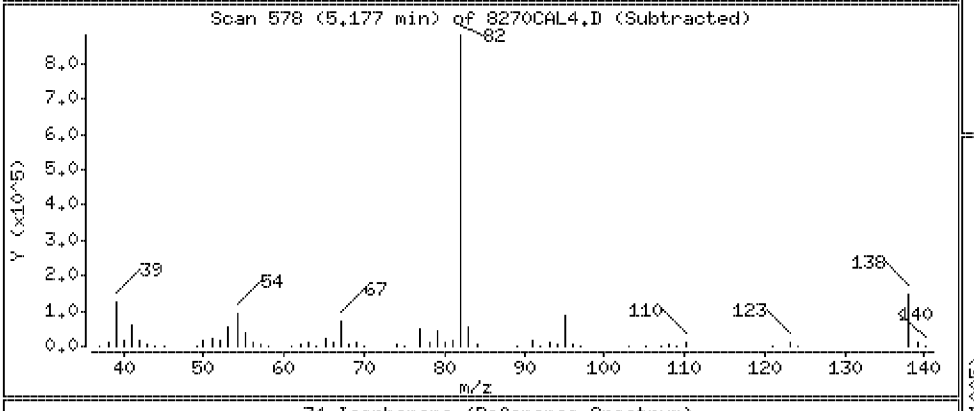
Sample Info: 45924

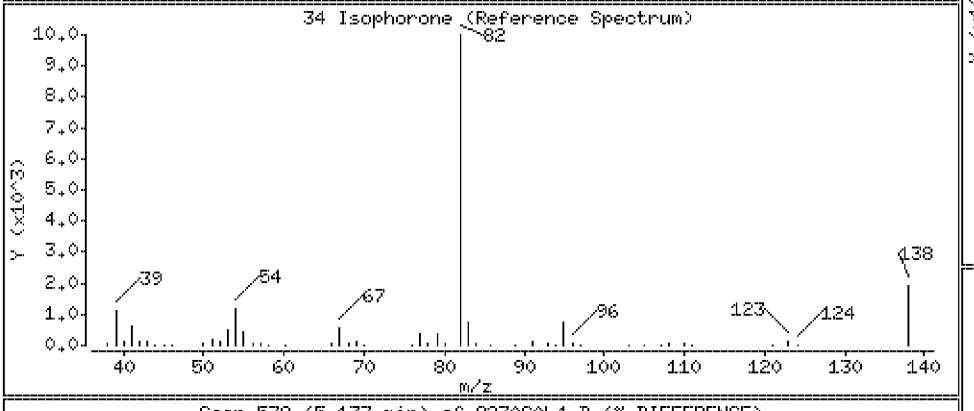
Purge Volume: 1000.0 Operator: PEL

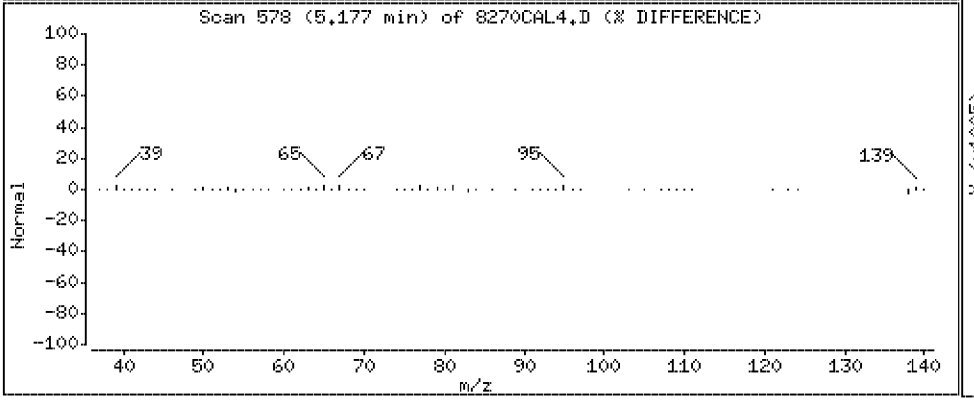
Column phase: HPMS-5 Column diameter: 0.25

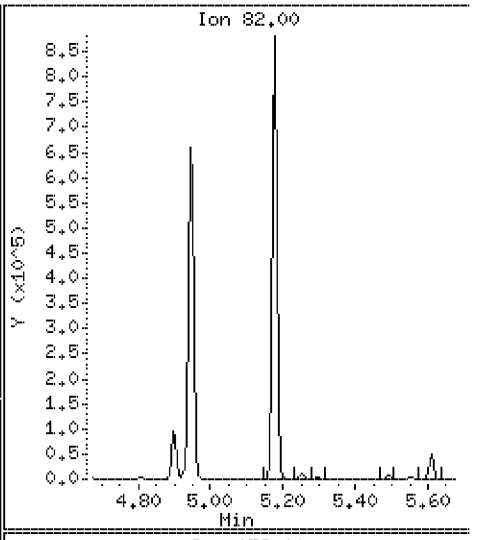
34 Isophorone Concentration: 45.4 ug/l

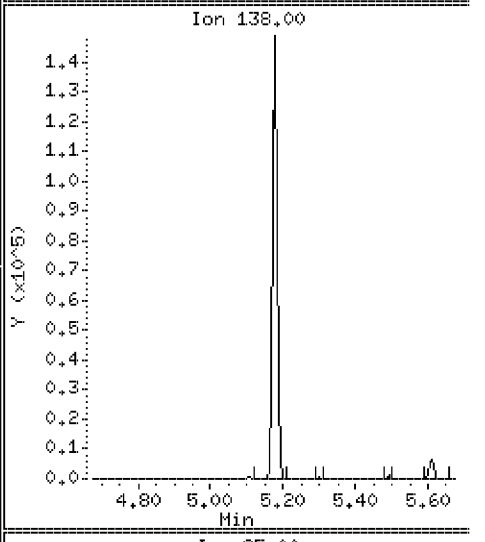


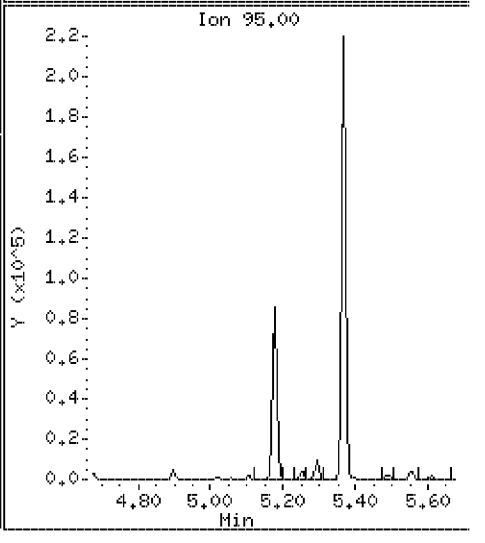












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

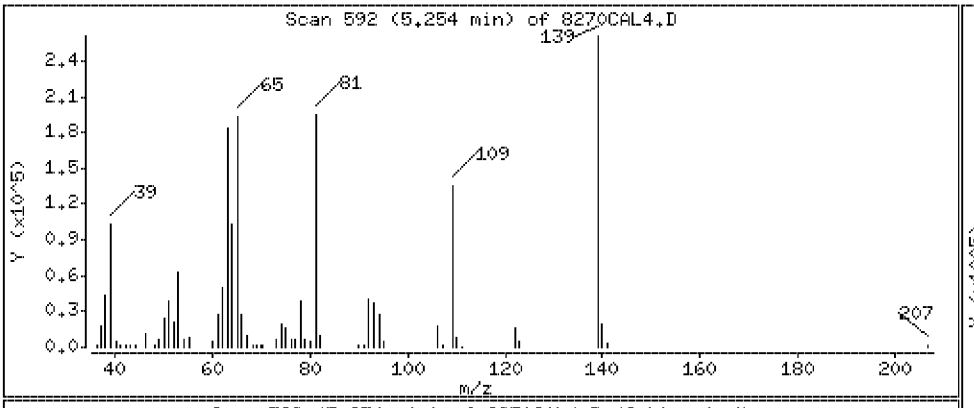
Operator: PEL

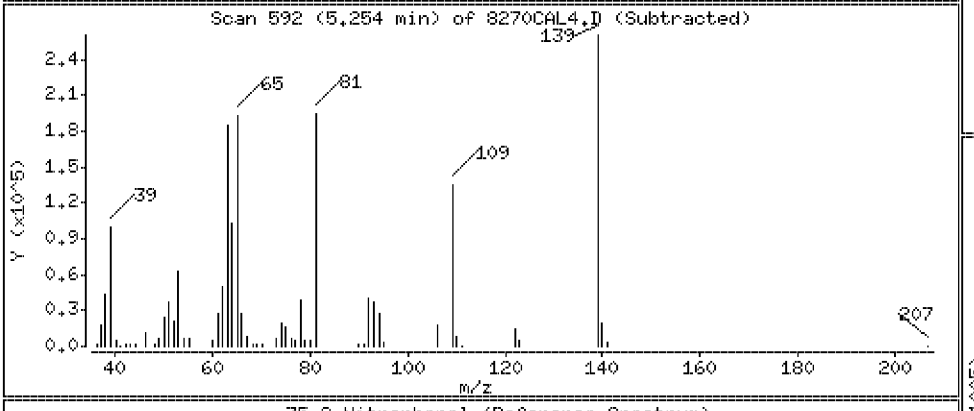
Column phase: HPMS-5

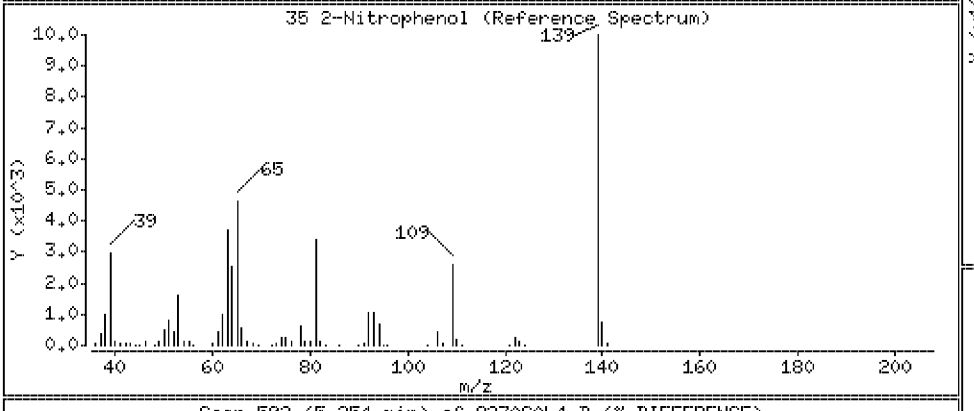
Column diameter: 0.25

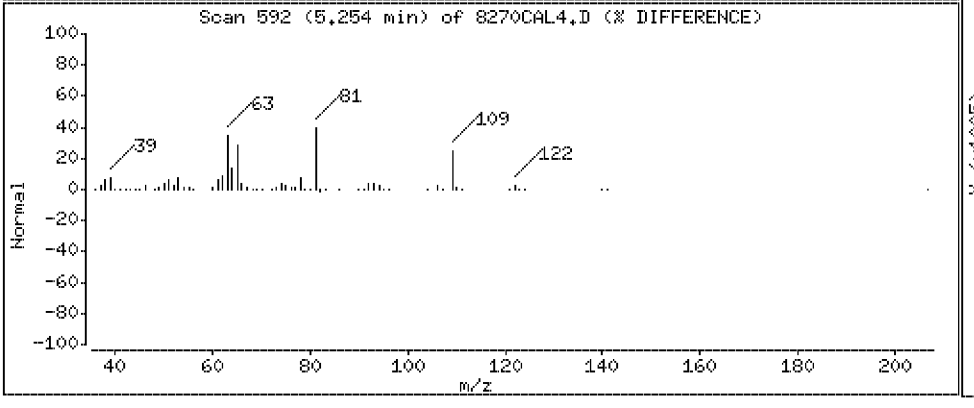
35 2-Nitrophenol

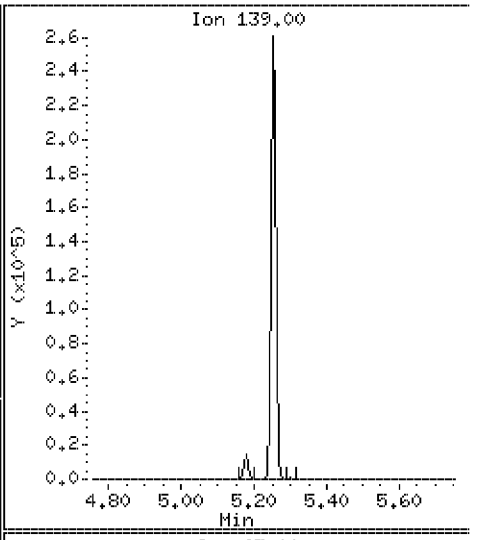
Concentration: 45.1 ug/l

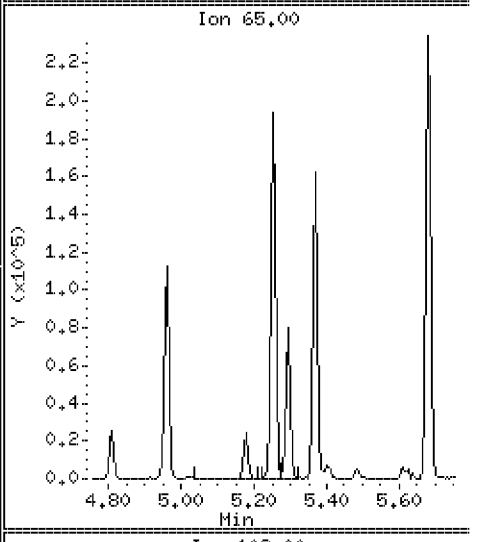


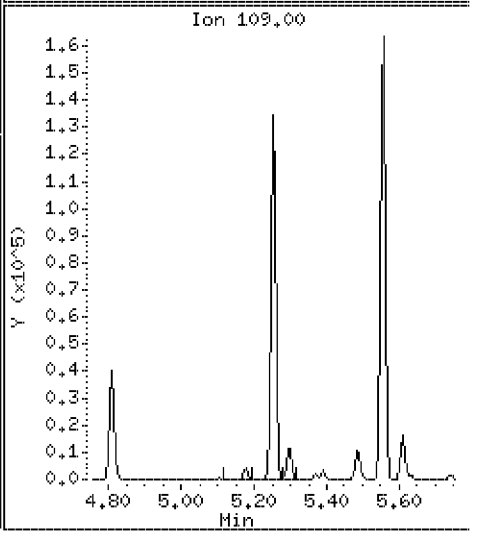












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

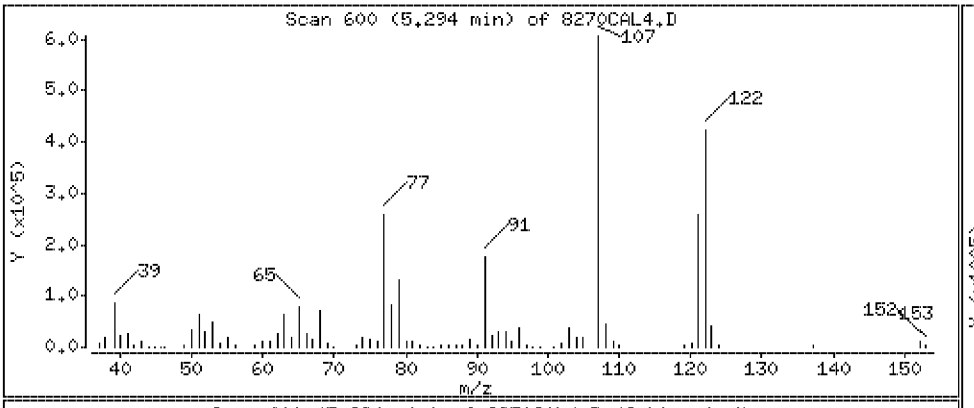
Operator: PEL

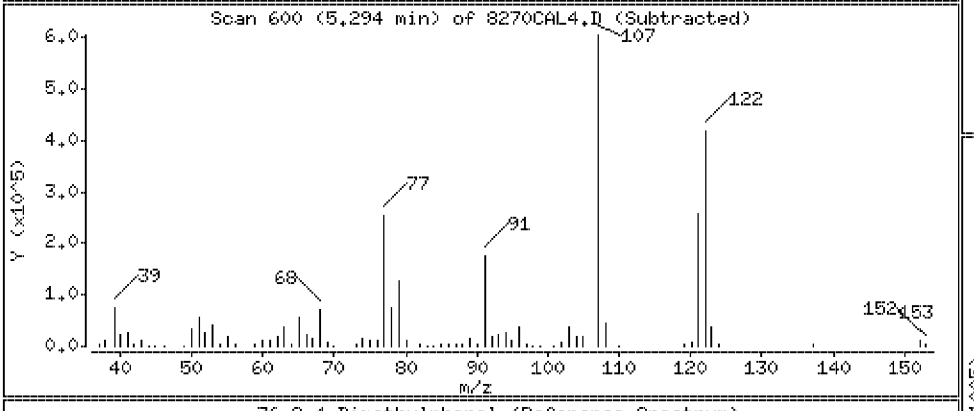
Column phase: HPMS-5

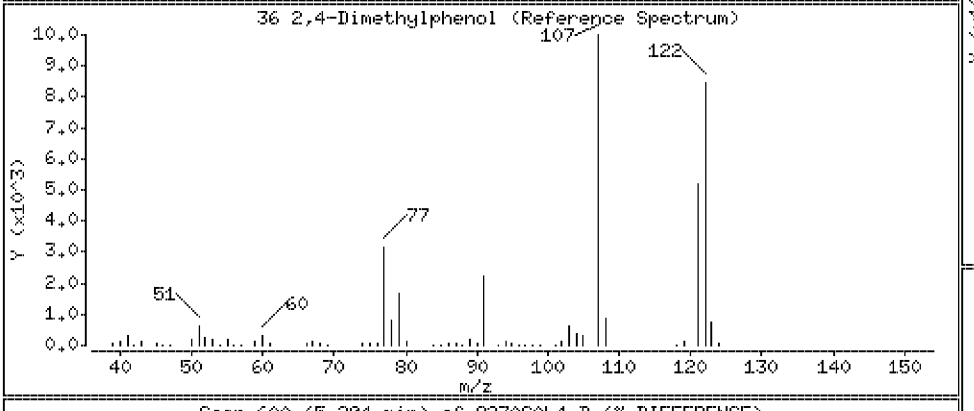
Column diameter: 0.25

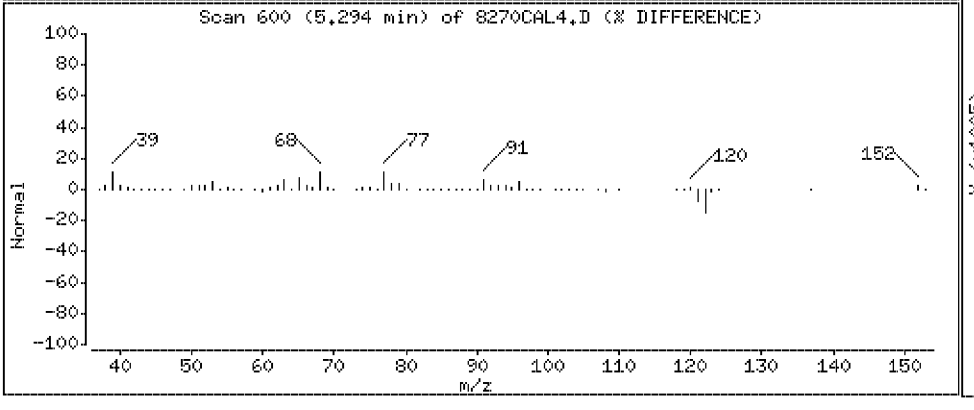
36 2,4-Dimethylphenol

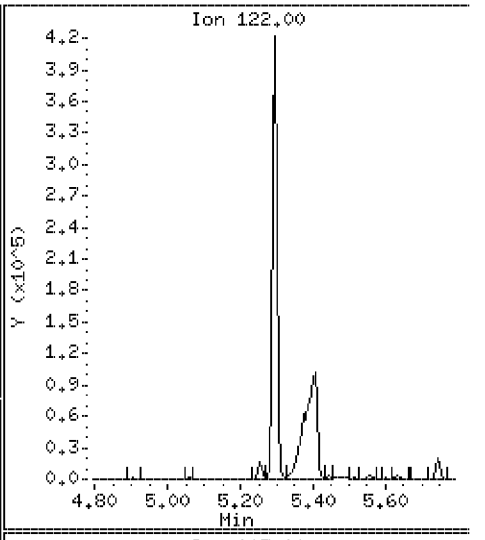
Concentration: 45.3 ug/l

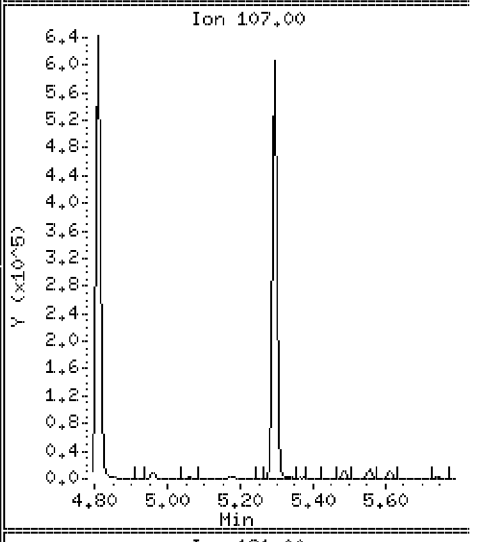


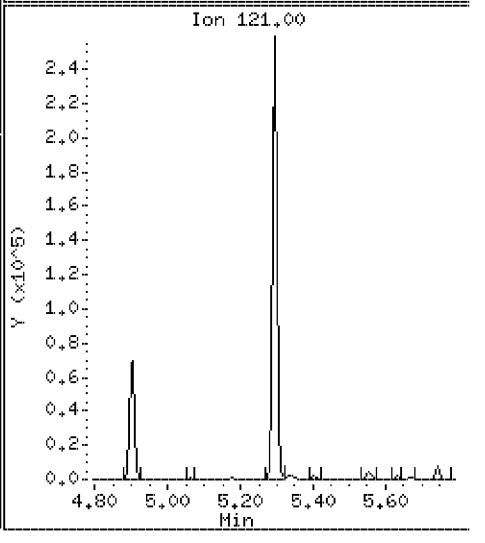












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Date : 23-APR-2012 11:34

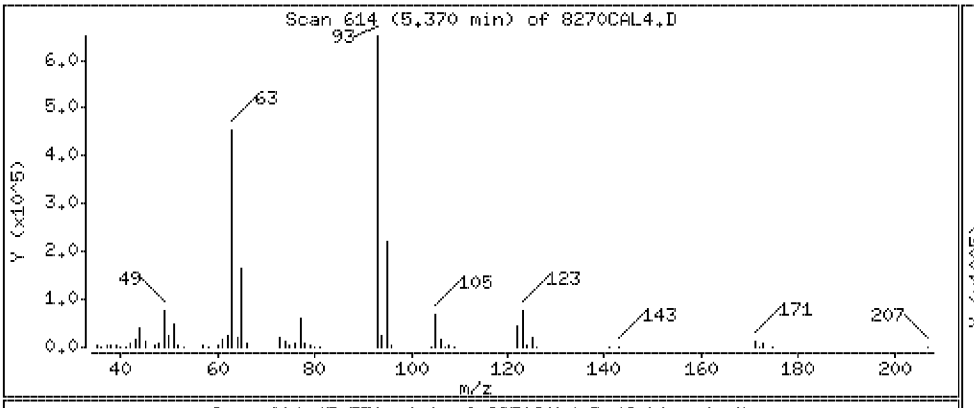
Client ID: 8270CAL4 Instrument: smsd03.i

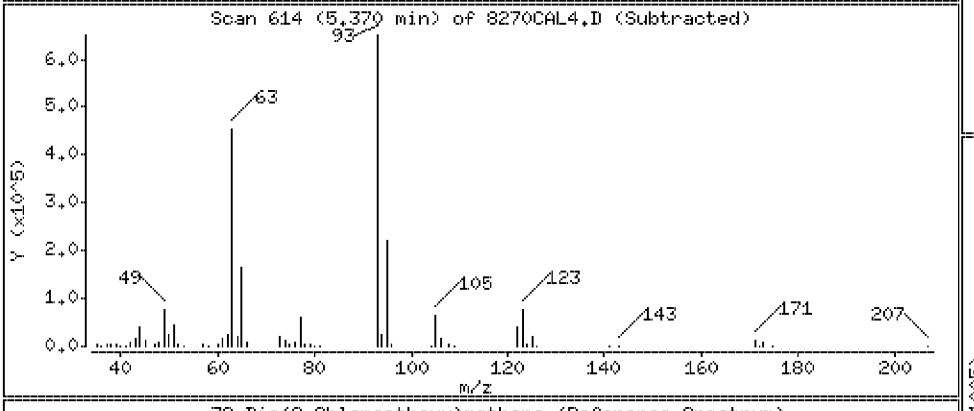
Sample Info: 45924

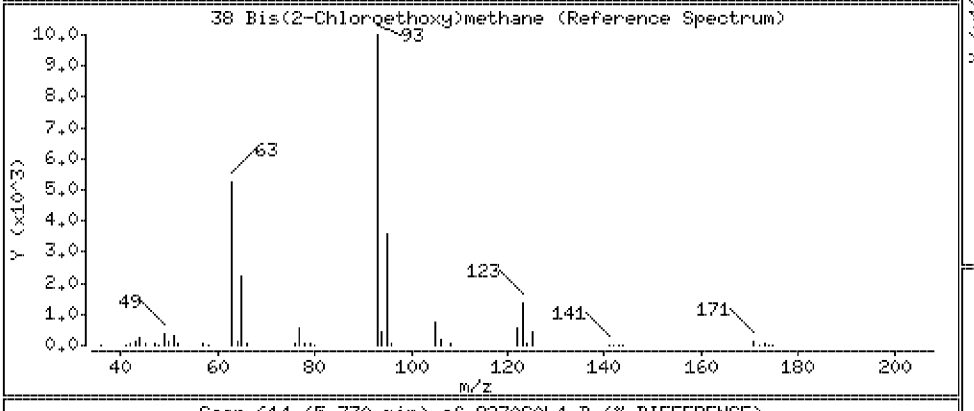
Purge Volume: 1000.0 Operator: PEL

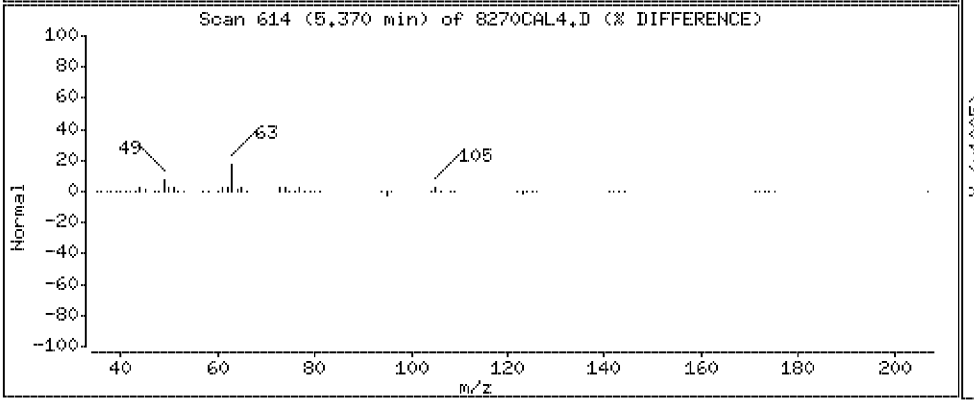
Column phase: HPMS-5 Column diameter: 0.25

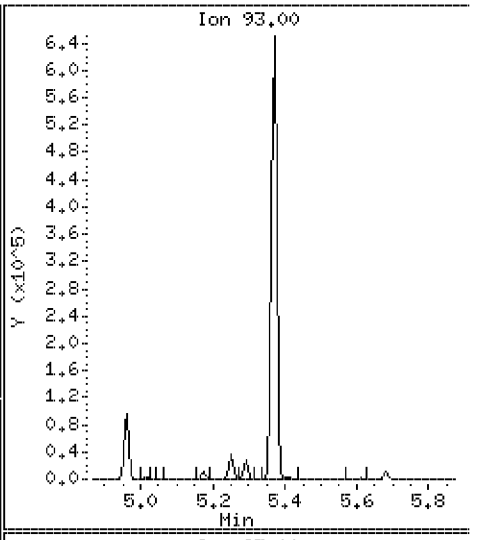
38 Bis(2-Chloroethoxy)methane Concentration: 45.5 ug/l

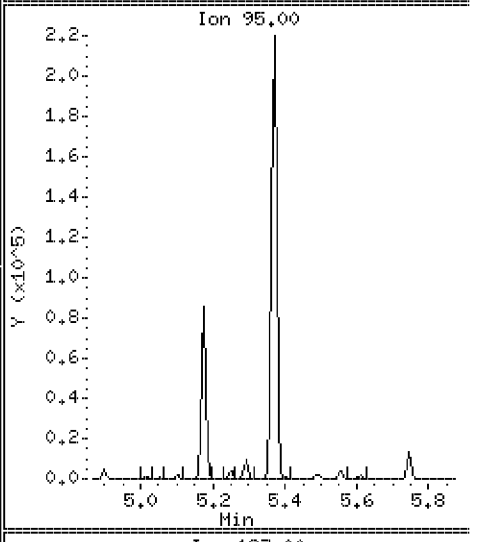


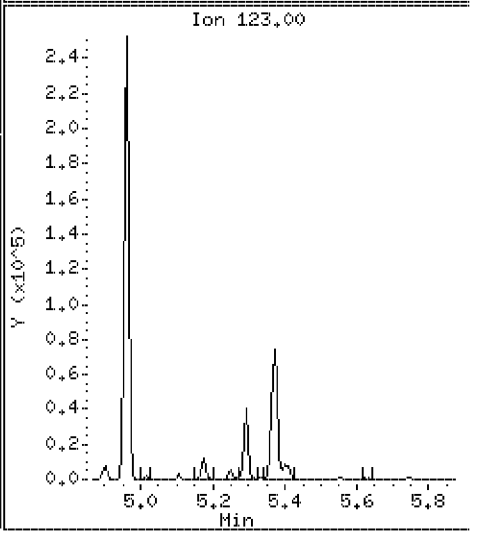












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

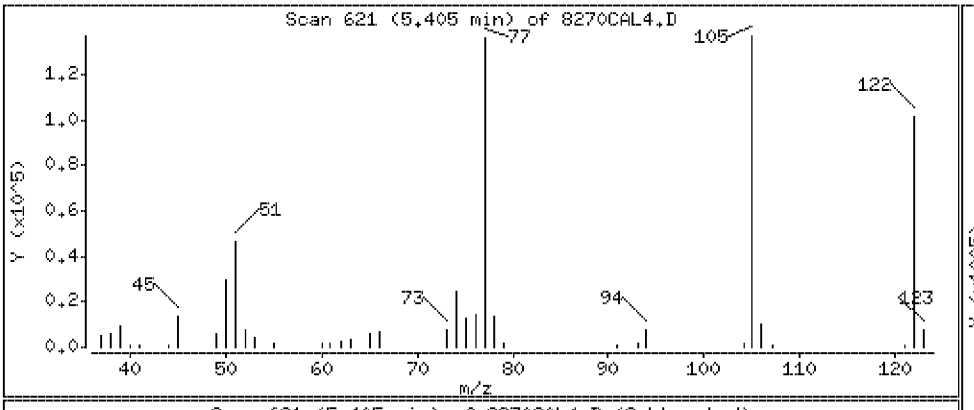
Operator: PEL

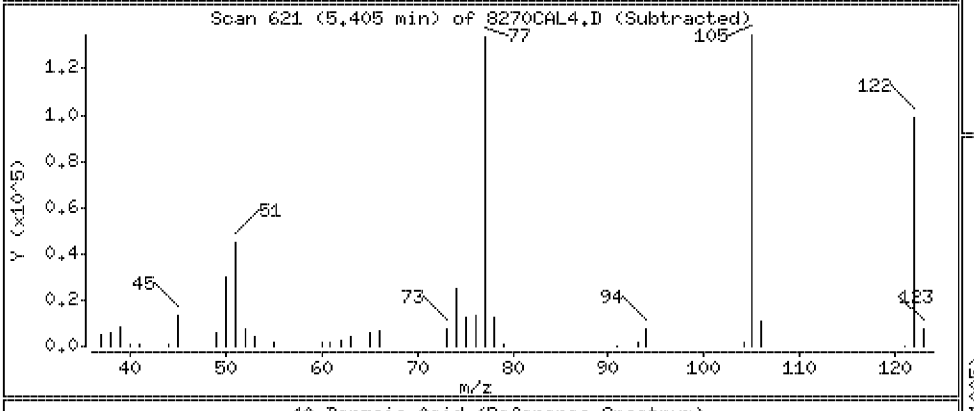
Column phase: HPMS-5

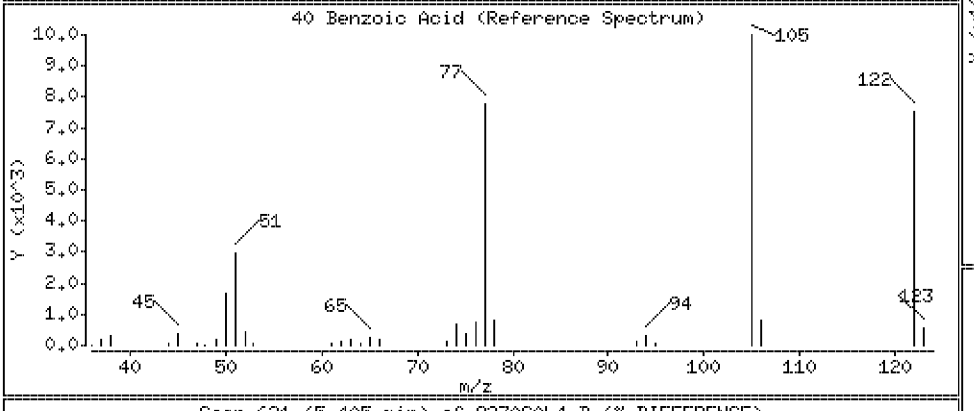
Column diameter: 0.25

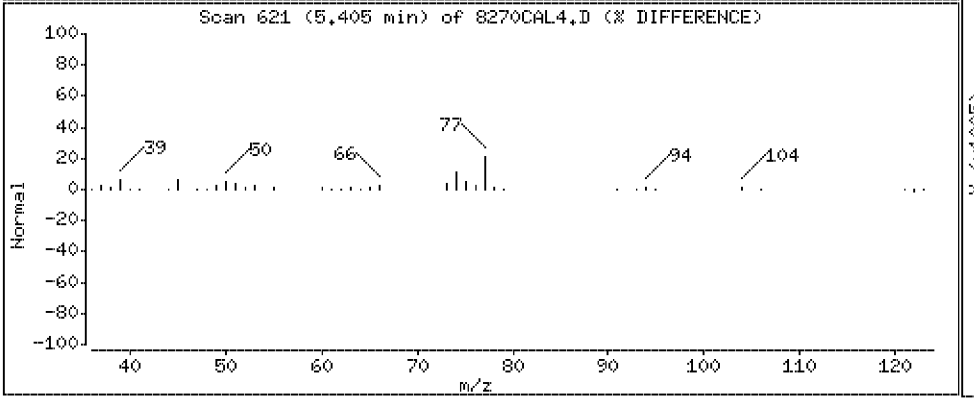
40 Benzoic Acid

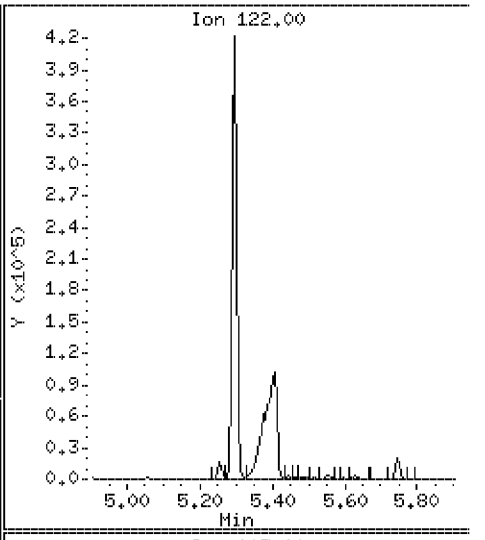
Concentration: 44.9 ug/l

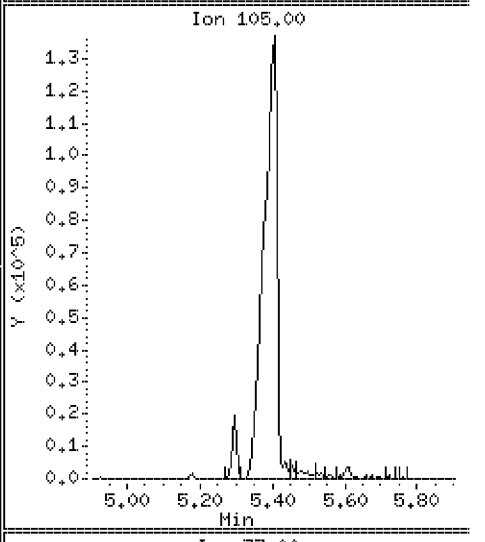


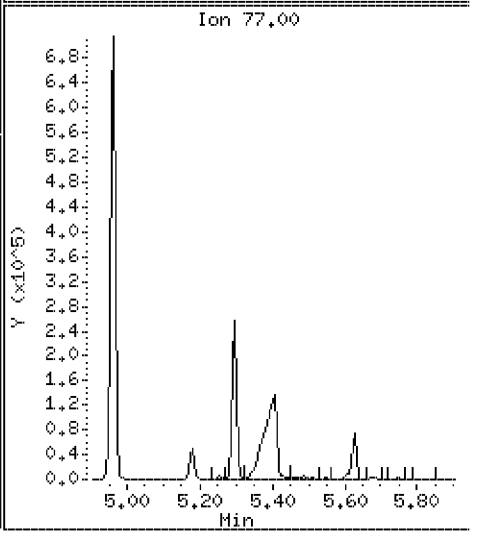












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

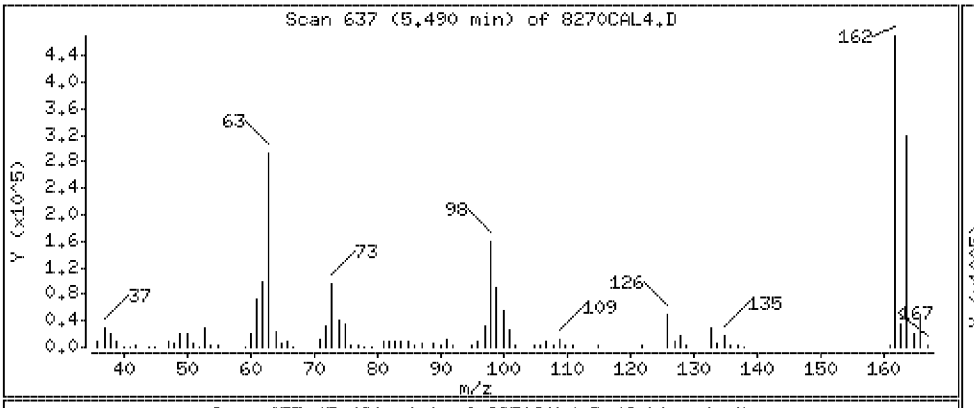
Operator: PEL

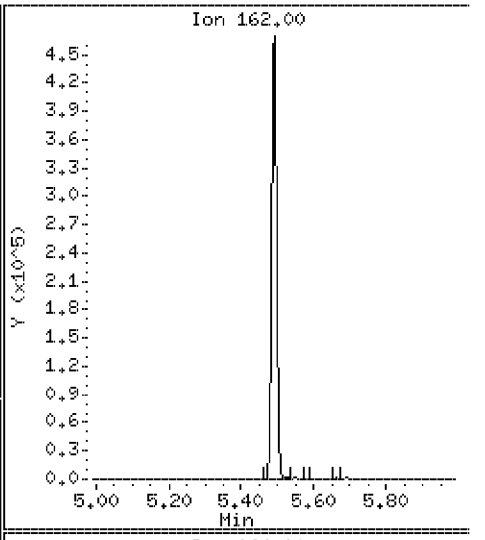
Column phase: HPMS-5

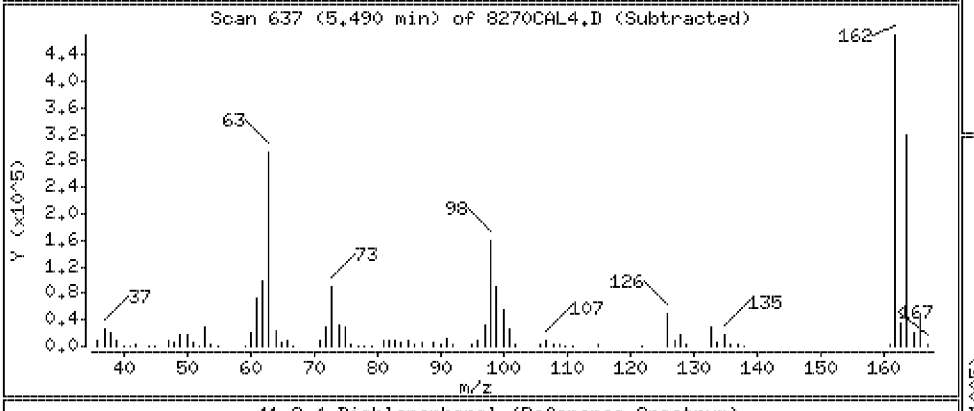
Column diameter: 0.25

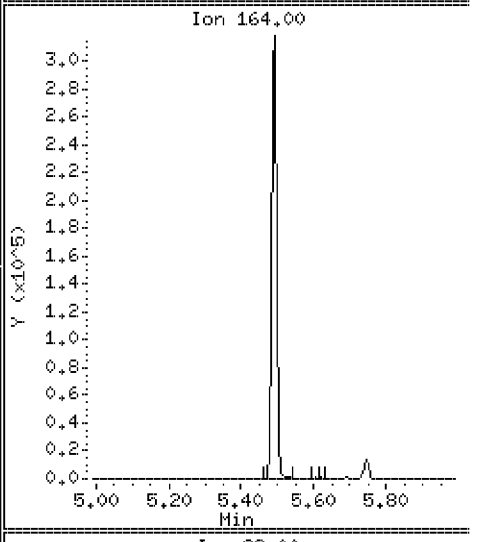
41 2,4-Dichlorophenol

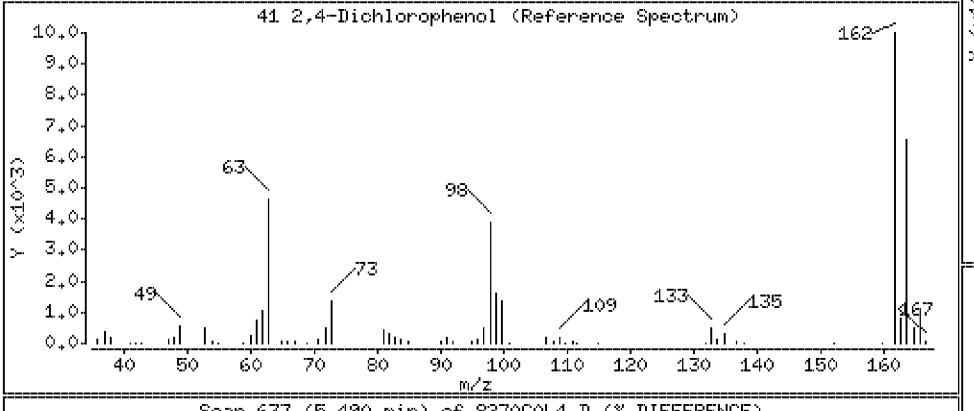
Concentration: 45.8 ug/l

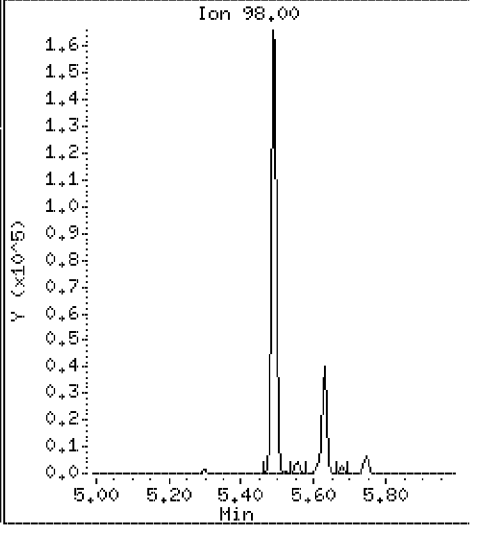


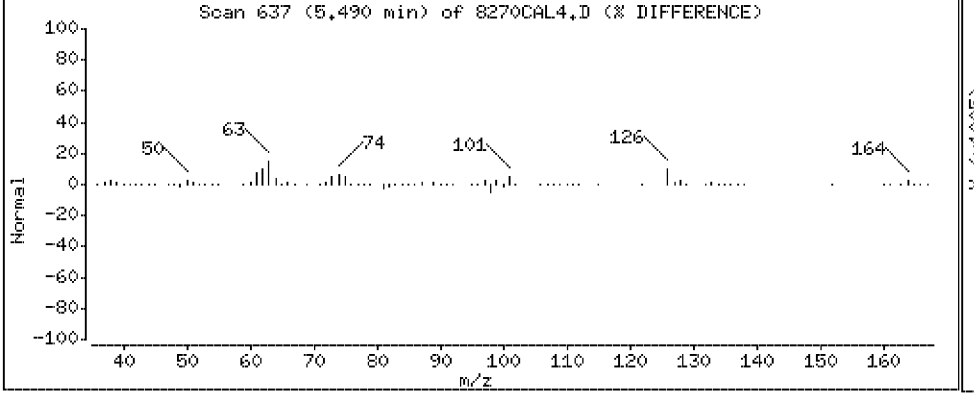












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

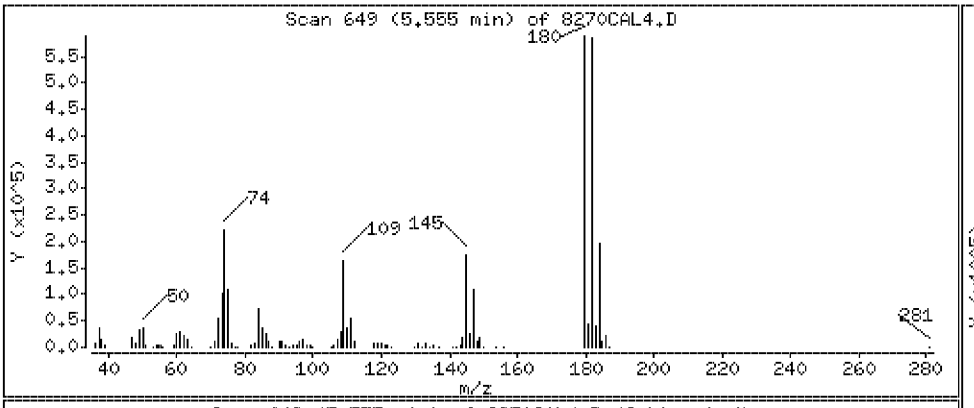
Operator: PEL

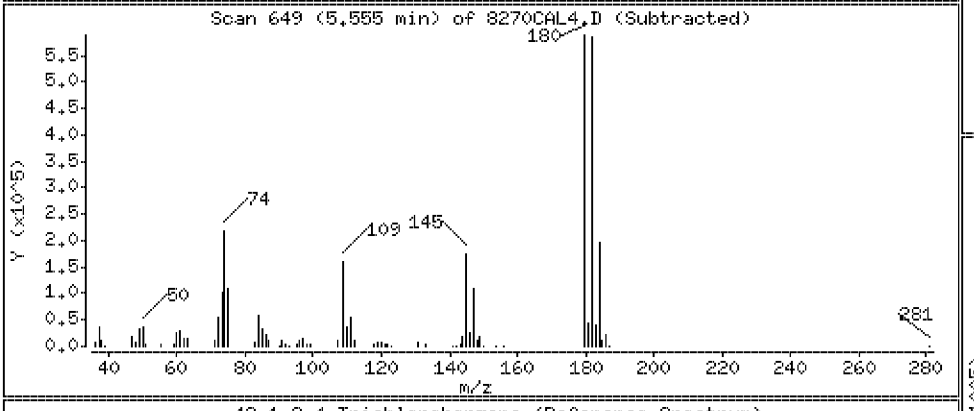
Column phase: HPMS-5

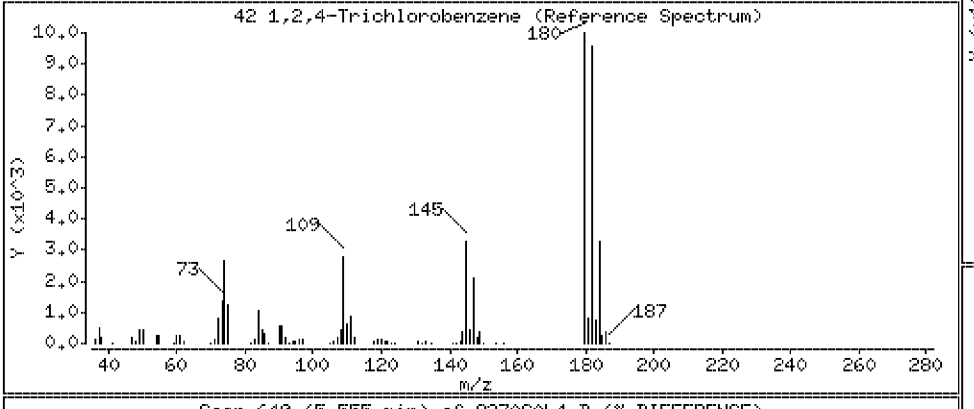
Column diameter: 0.25

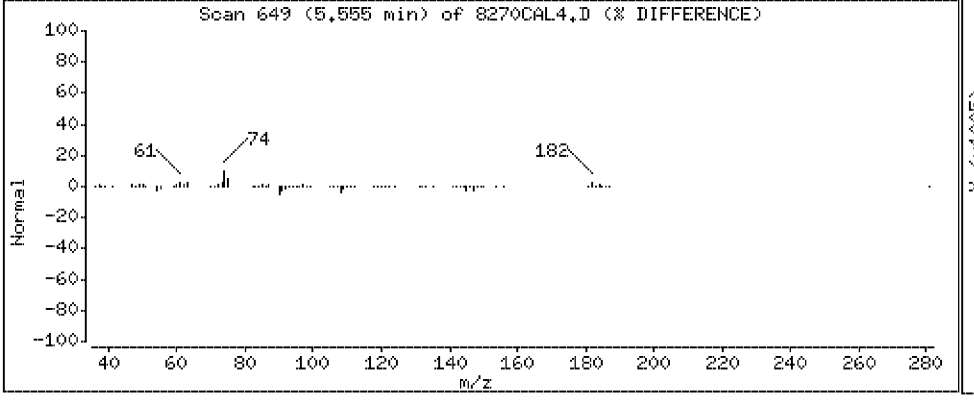
42 1,2,4-Trichlorobenzene

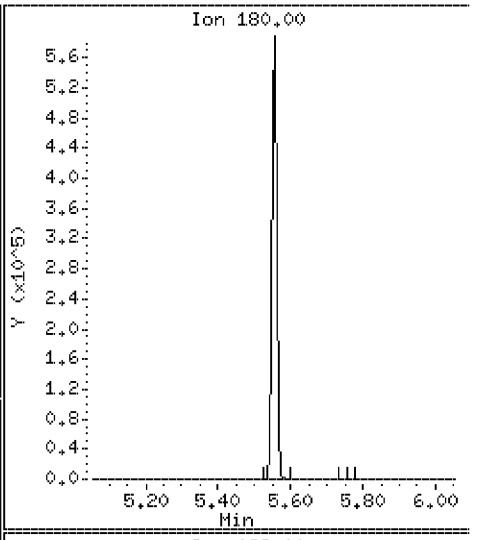
Concentration: 44.8 ug/l

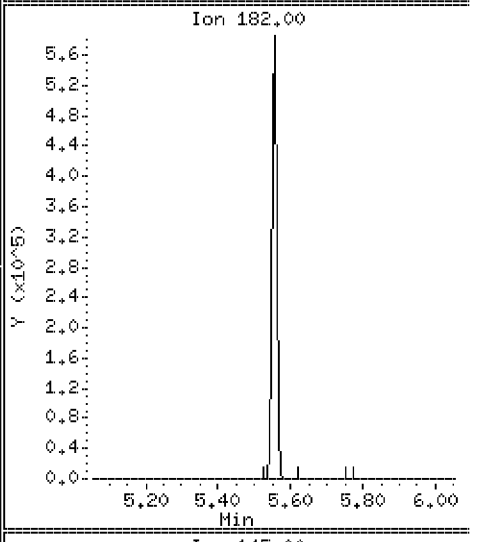


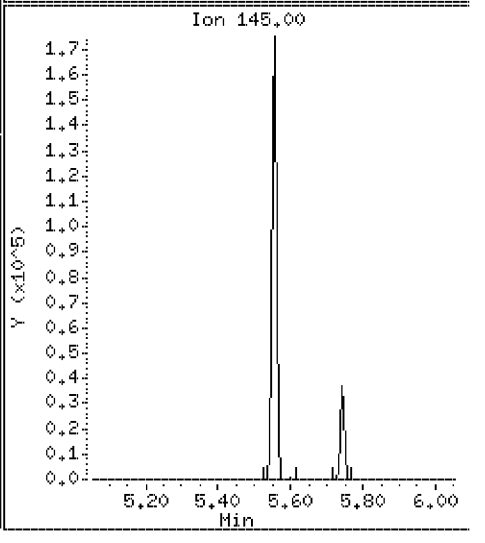












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

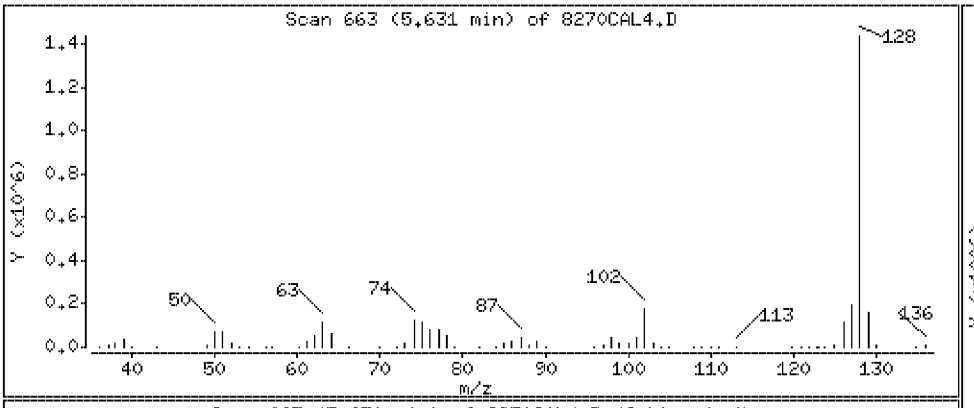
Operator: PEL

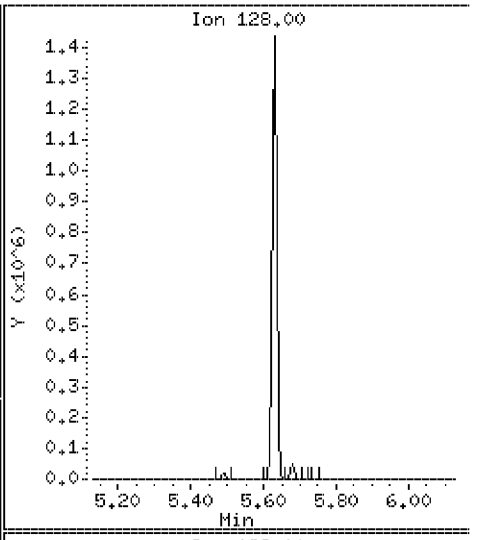
Column phase: HPMS-5

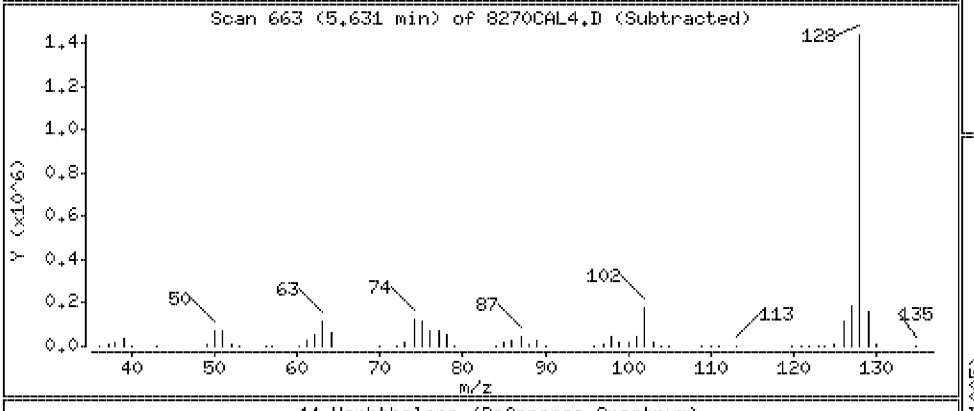
Column diameter: 0.25

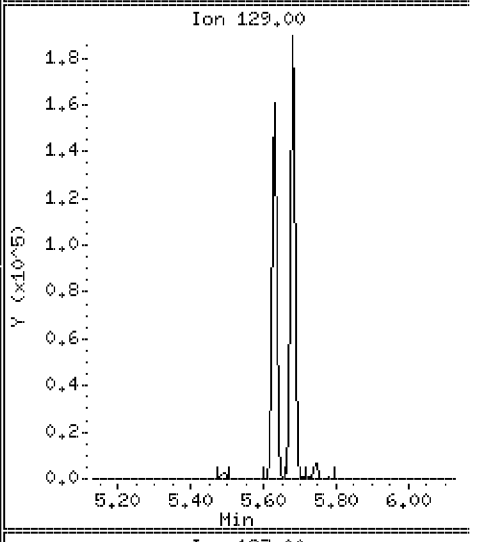
44 Naphthalene

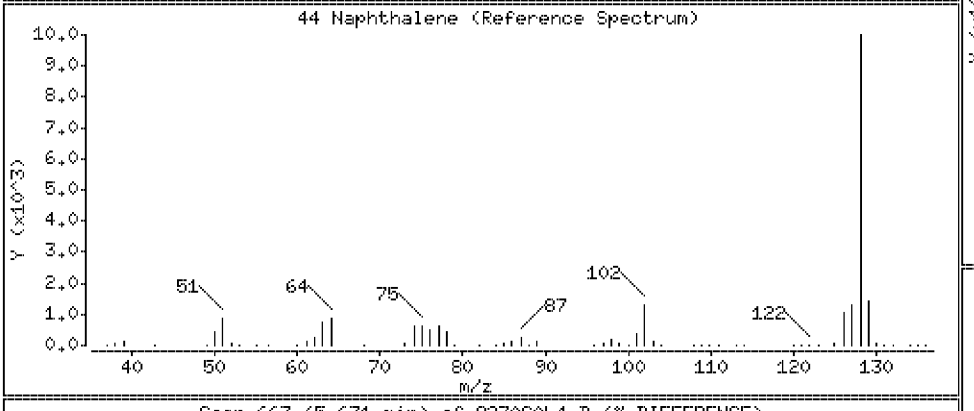
Concentration: 45.9 ug/l

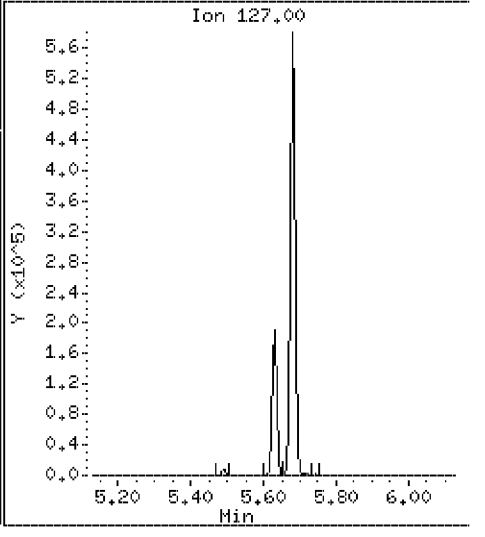


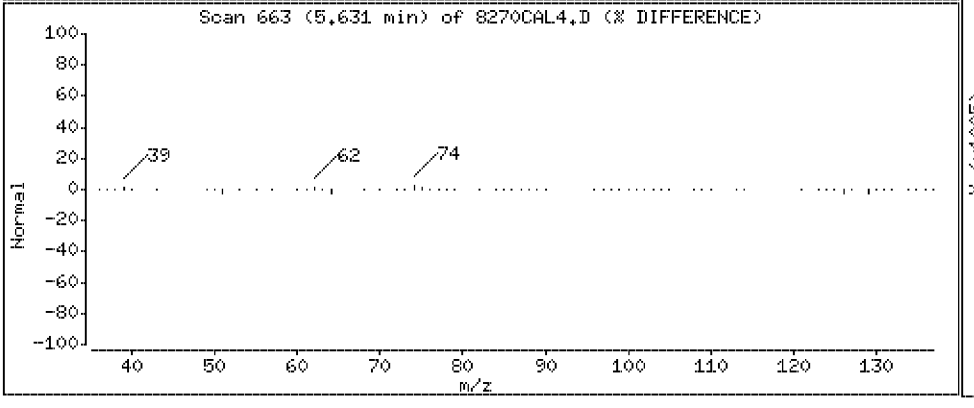












Date : 23-APR-2012 11:34

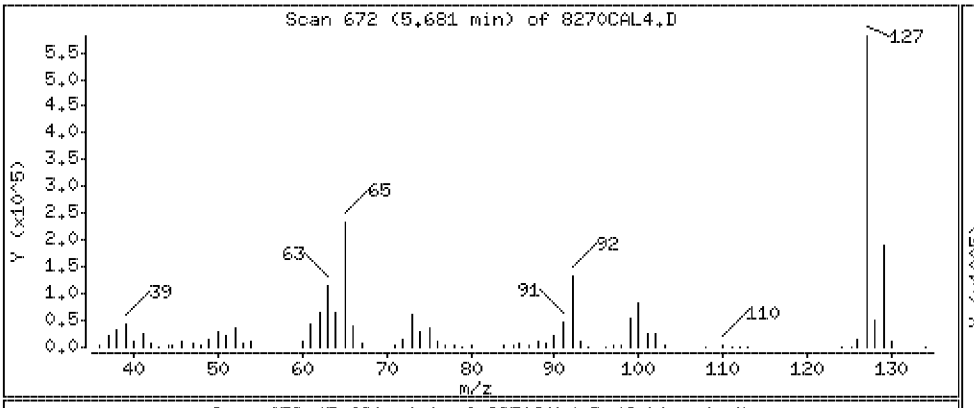
Client ID: 8270CAL4 Instrument: smsd03.i

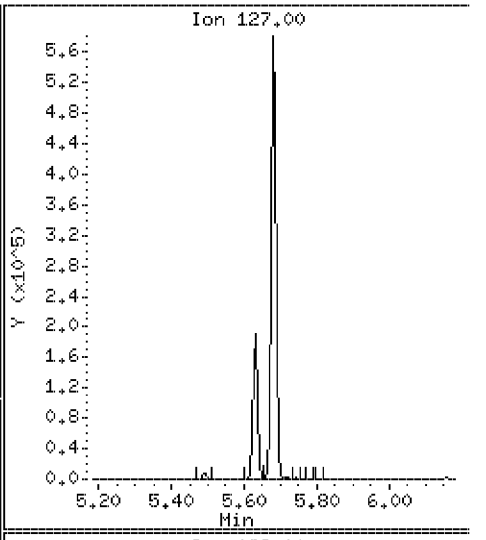
Sample Info: 45924

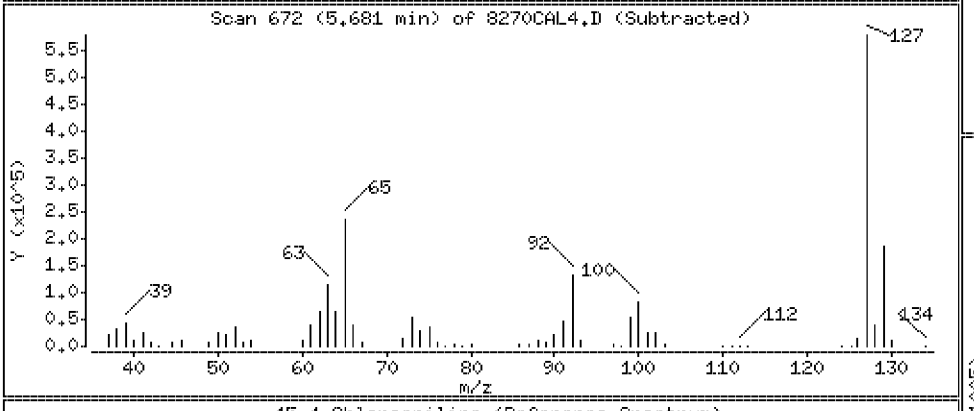
Purge Volume: 1000.0 Operator: PEL

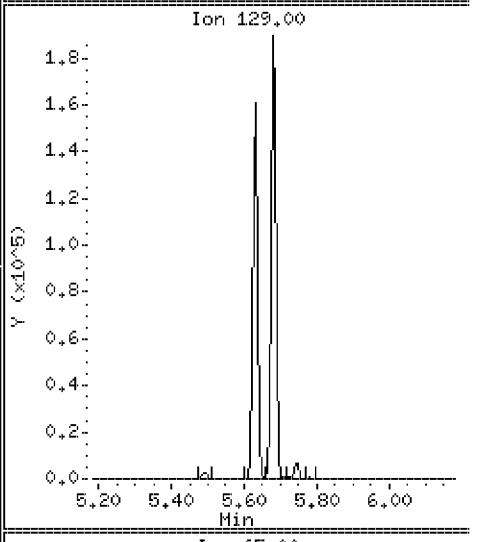
Column phase: HPMS-5 Column diameter: 0.25

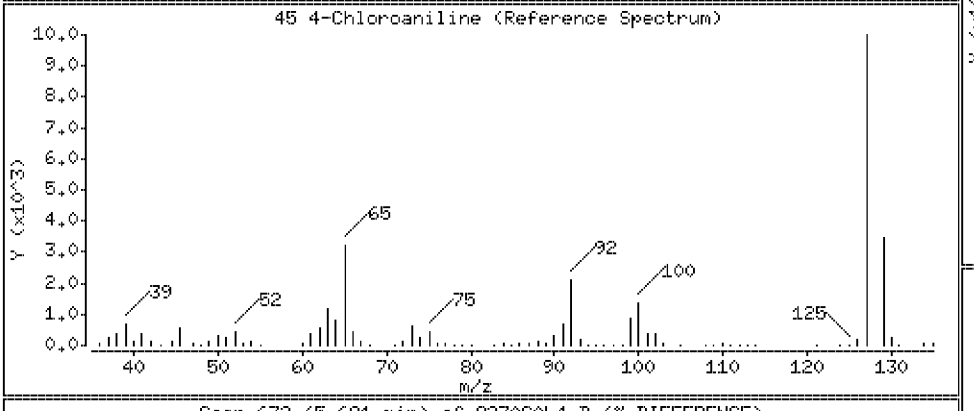
45 4-Chloroaniline Concentration: 45.6 ug/l

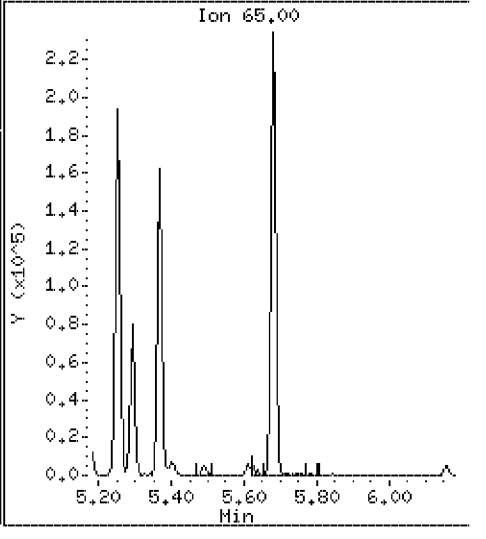


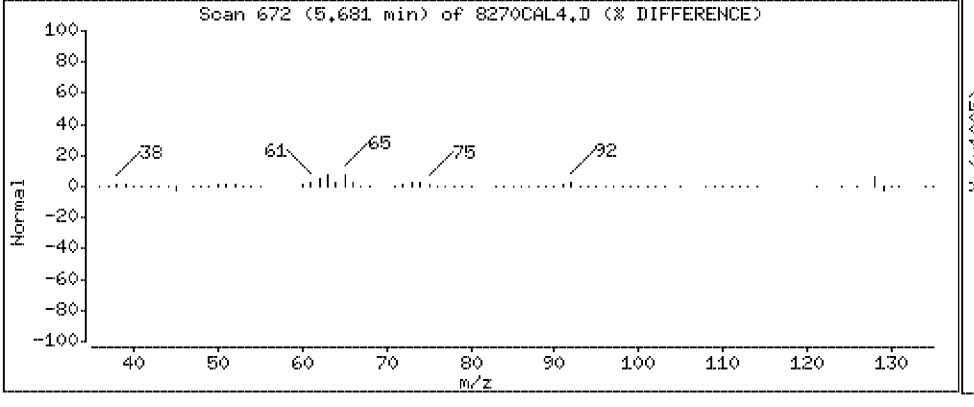












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

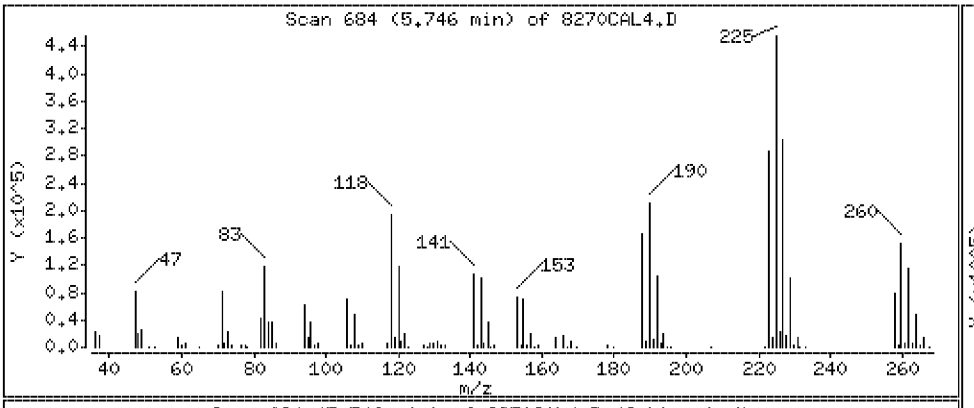
Operator: PEL

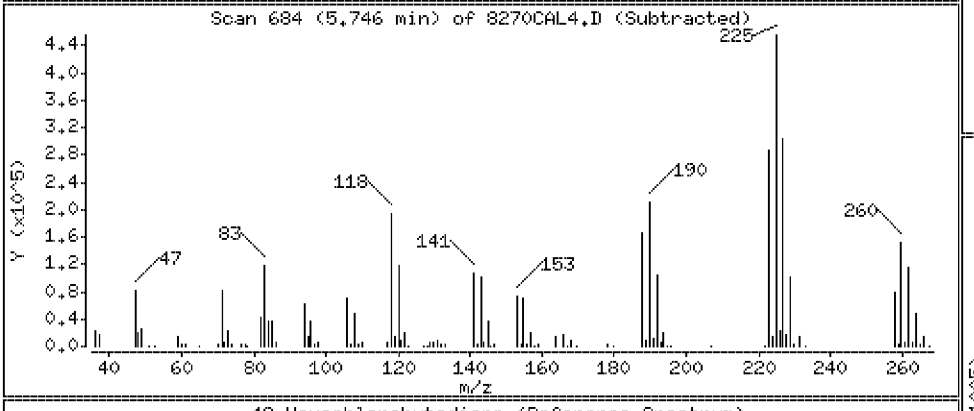
Column phase: HPMS-5

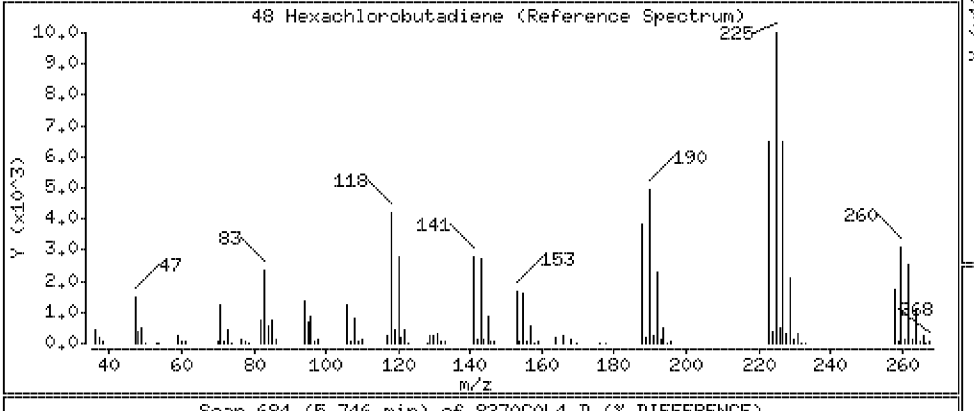
Column diameter: 0.25

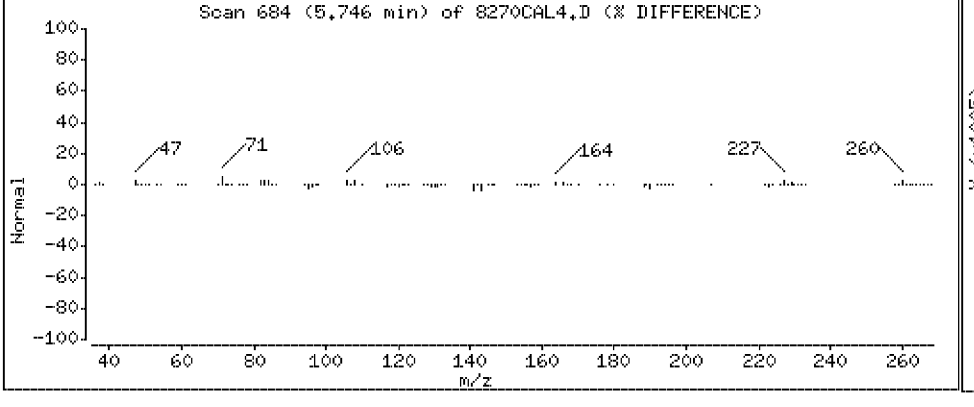
48 Hexachlorobutadiene

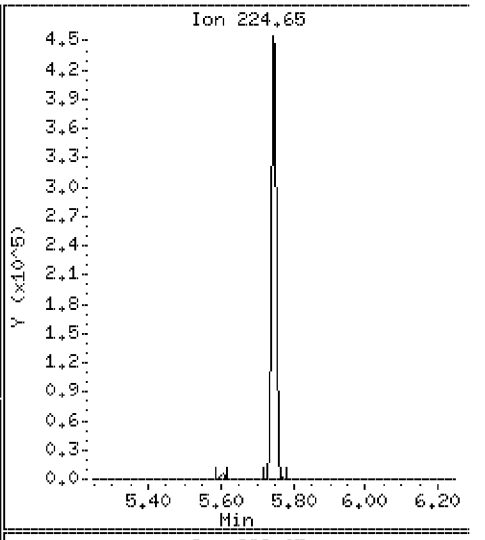
Concentration: 45.3 ug/l

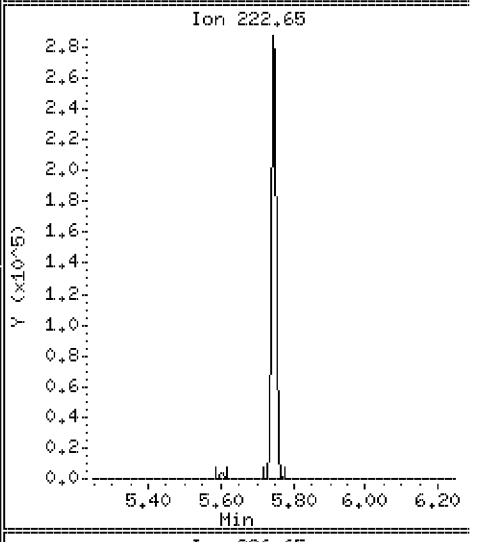


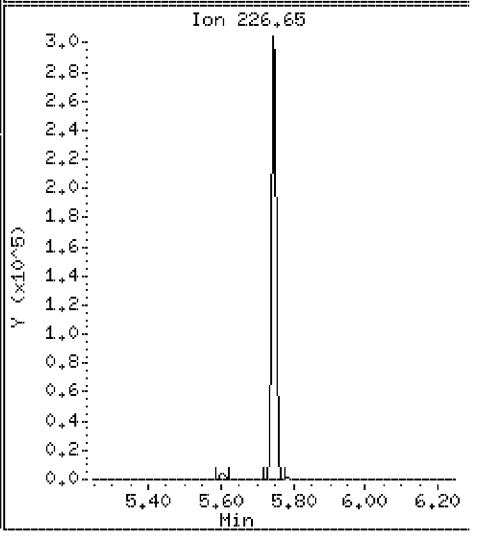












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

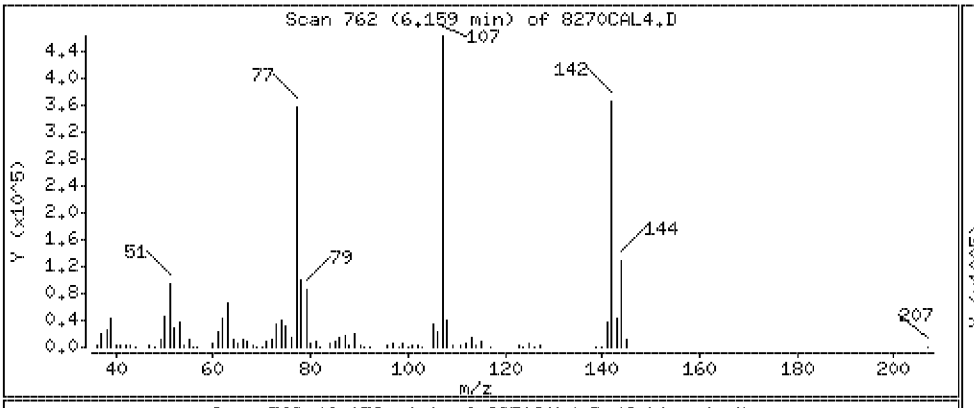
Operator: PEL

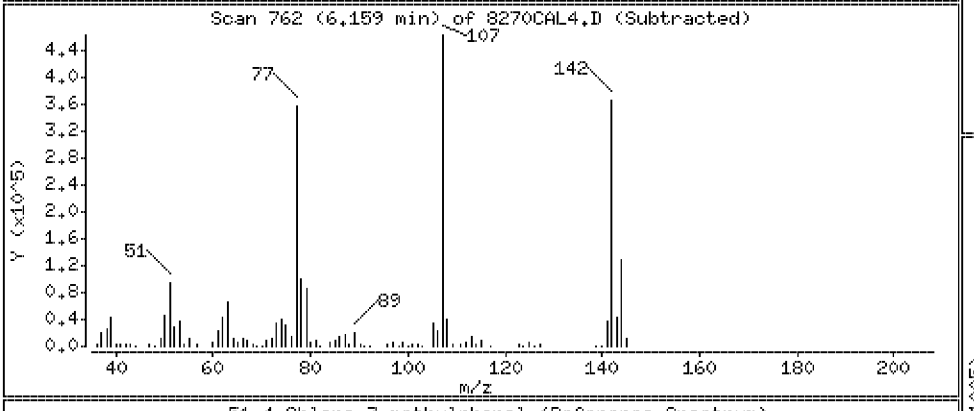
Column phase: HPMS-5

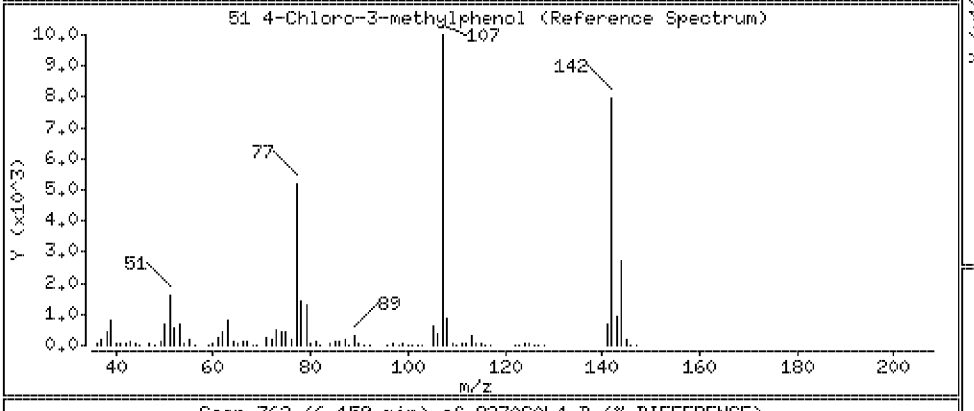
Column diameter: 0.25

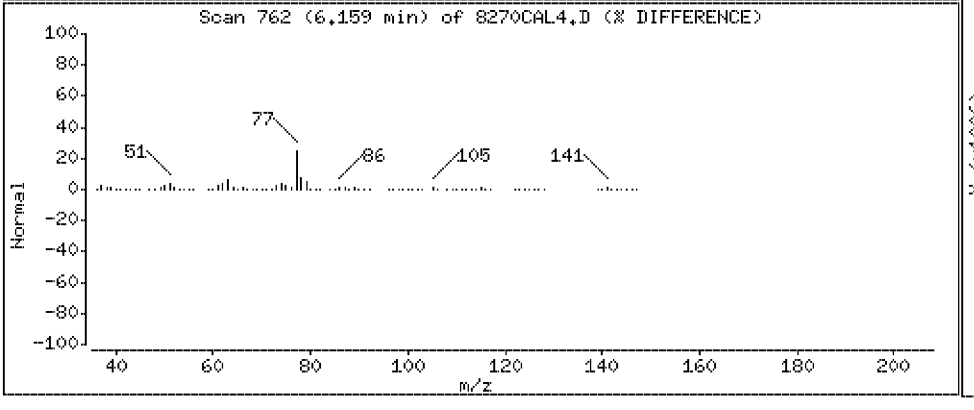
51 4-Chloro-3-methylphenol

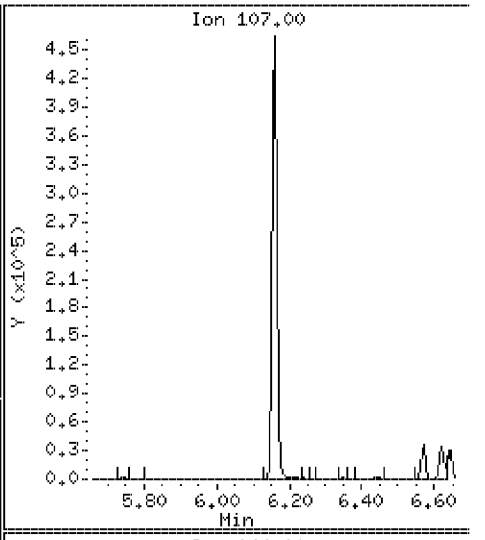
Concentration: 46.3 ug/l

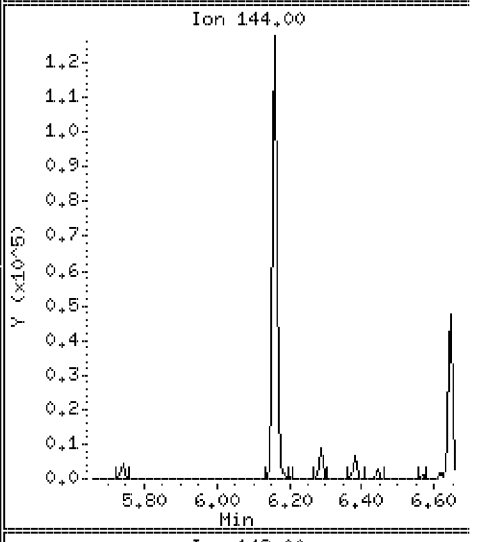


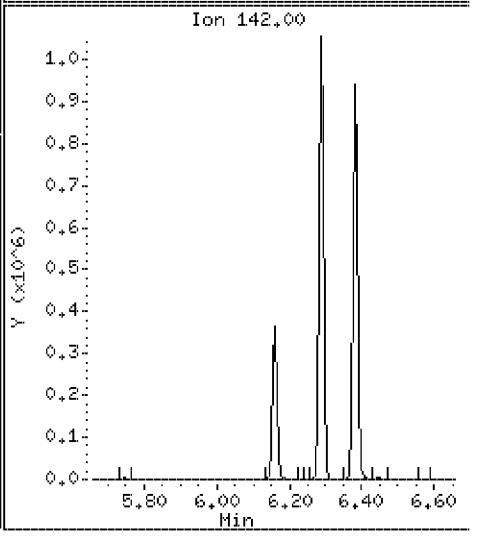












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

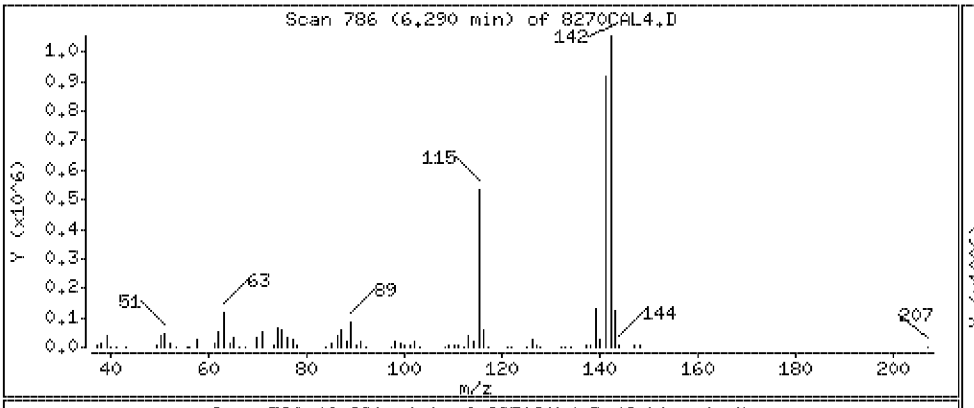
Operator: PEL

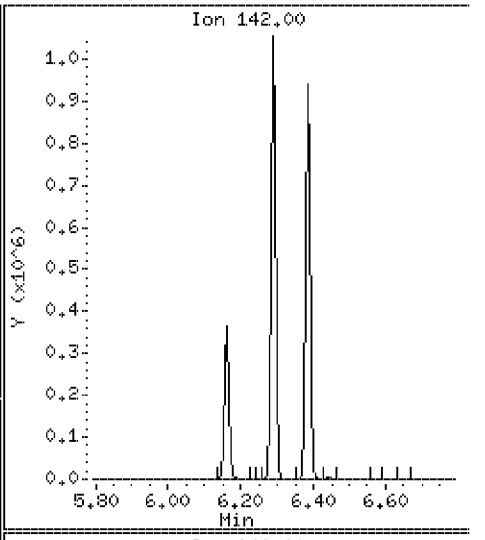
Column phase: HPMS-5

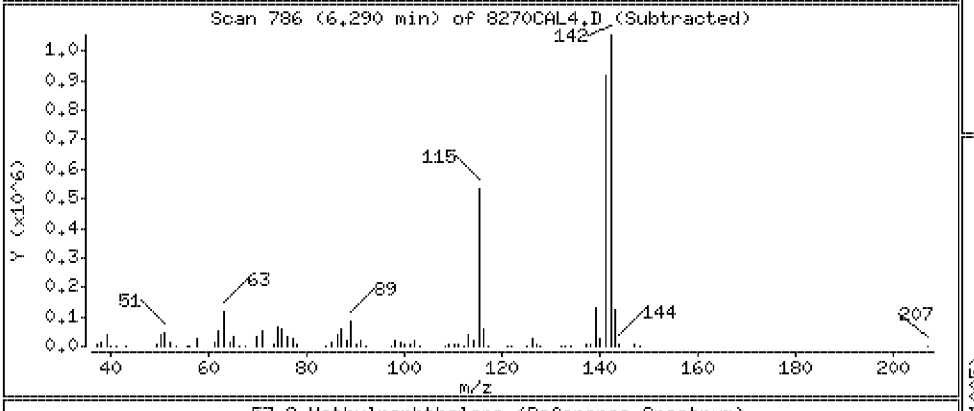
Column diameter: 0.25

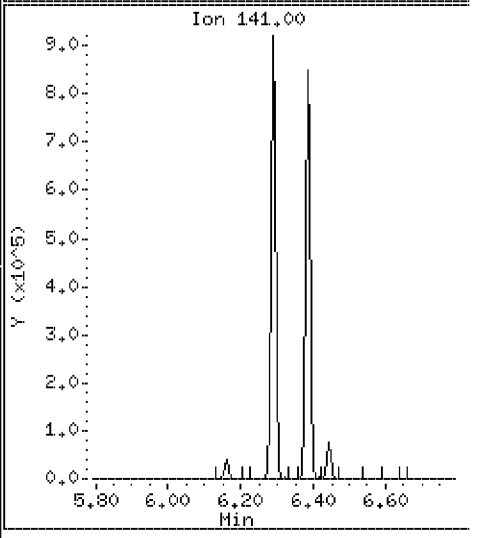
53 2-Methylnaphthalene

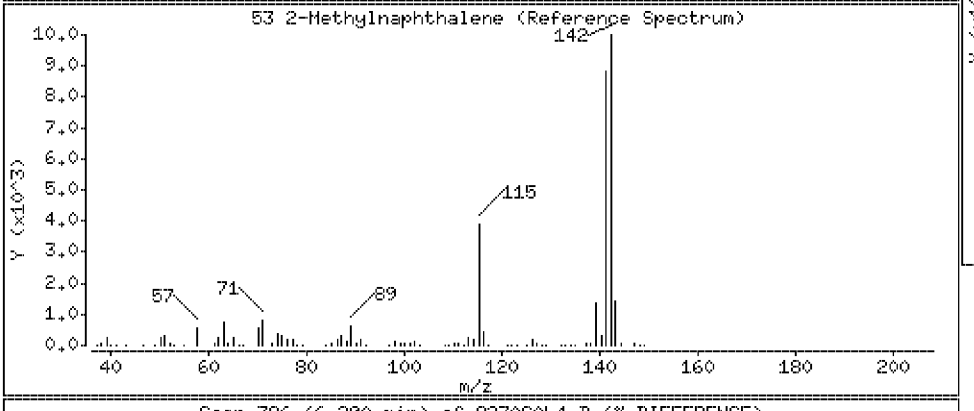
Concentration: 45.3 ug/l

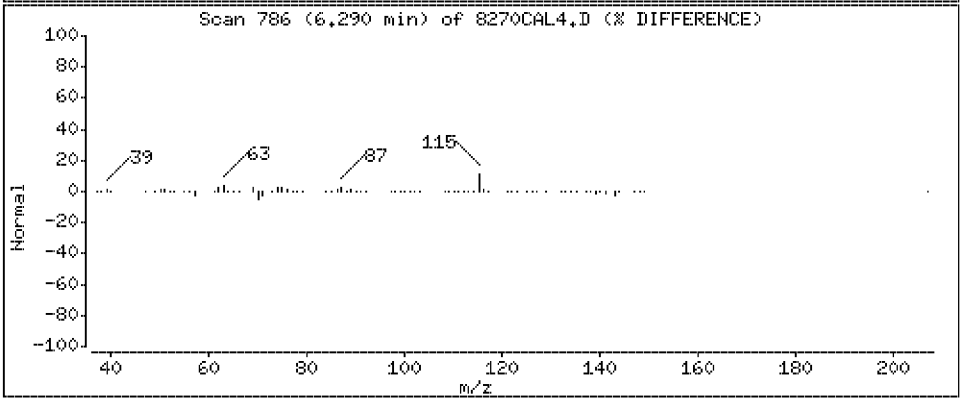












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

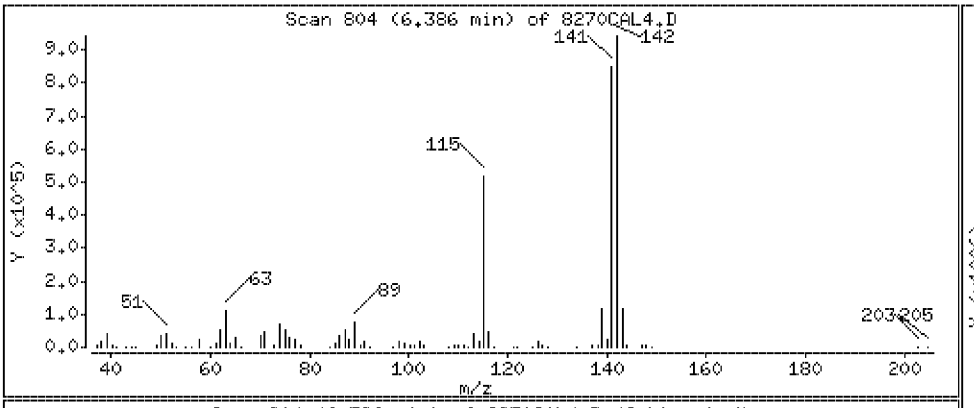
Operator: PEL

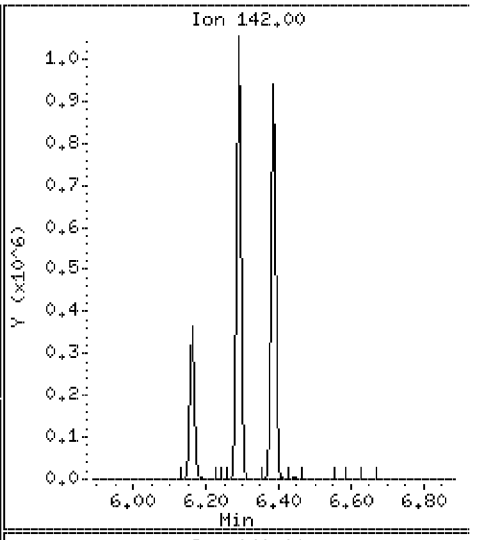
Column phase: HPMS-5

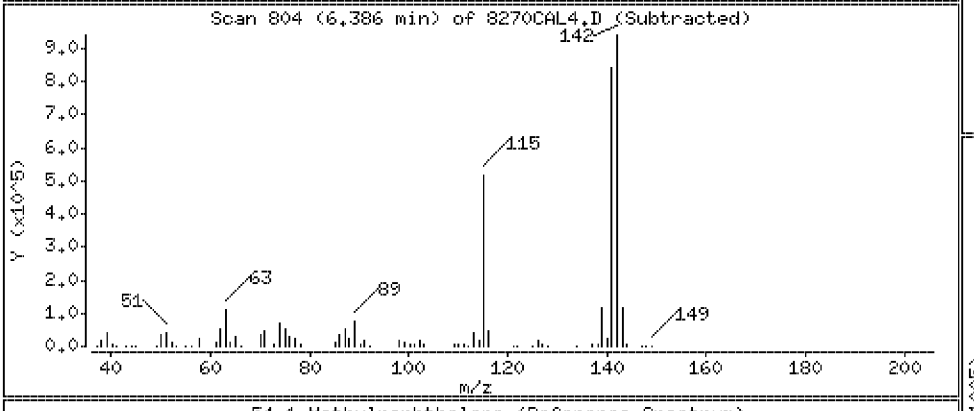
Column diameter: 0.25

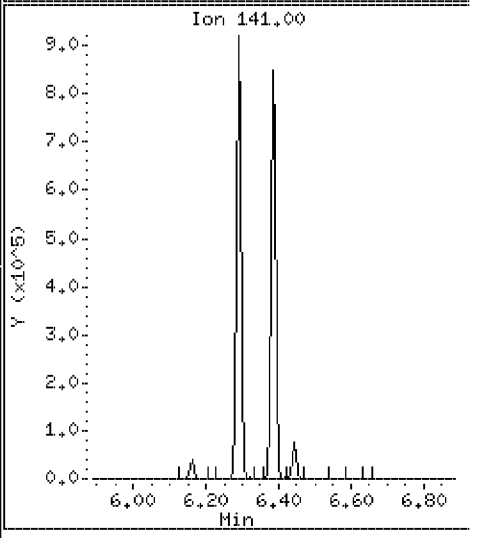
54 1-Methylnaphthalene

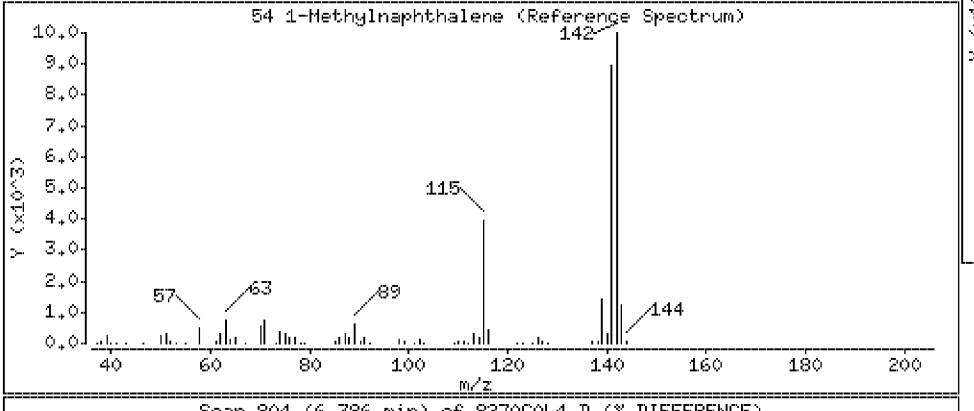
Concentration: 45.6 ug/l

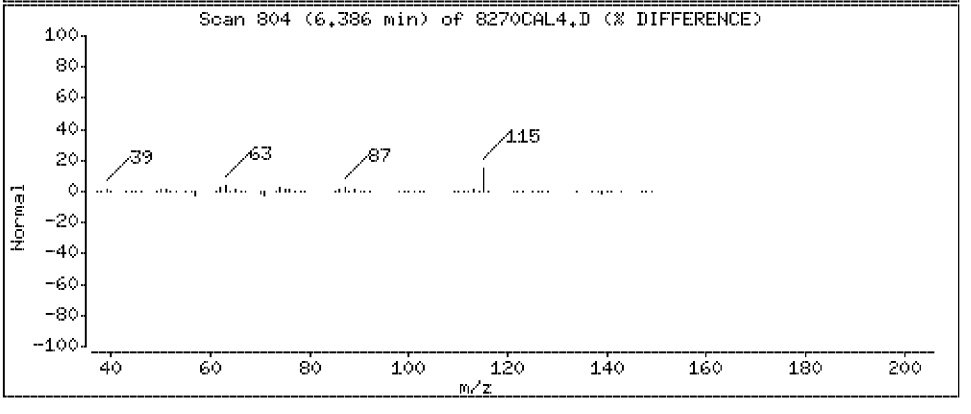












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

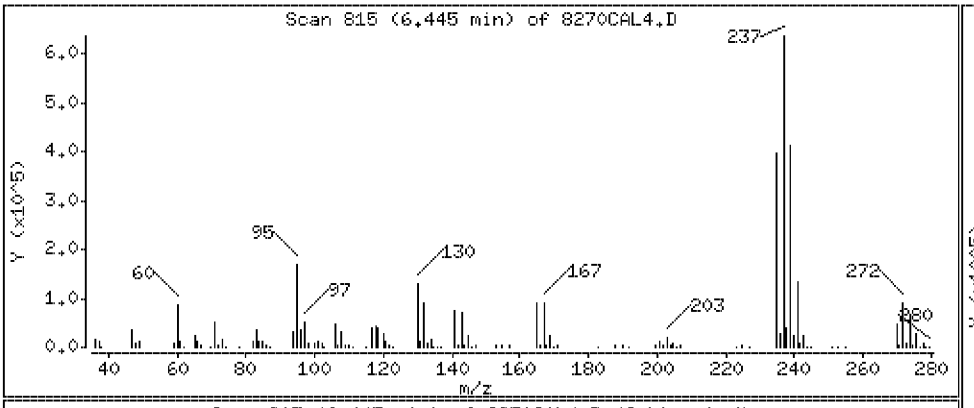
Operator: PEL

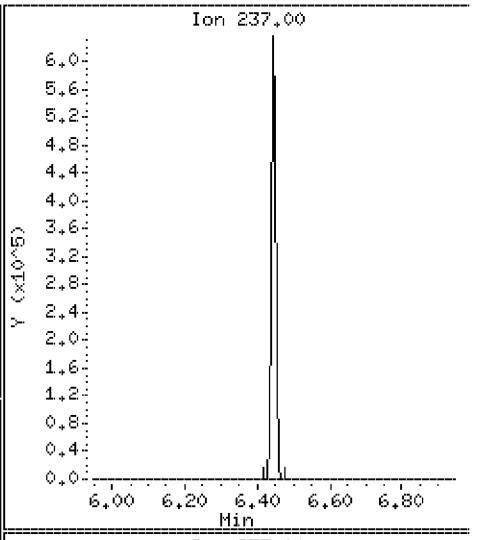
Column phase: HPMS-5

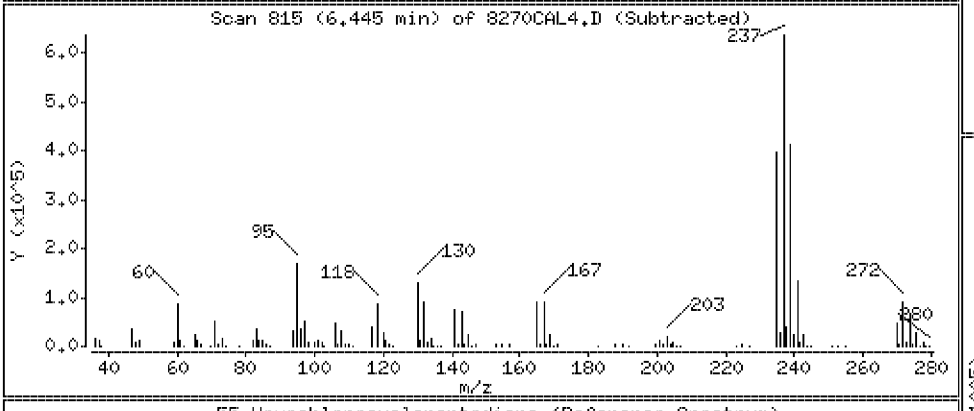
Column diameter: 0.25

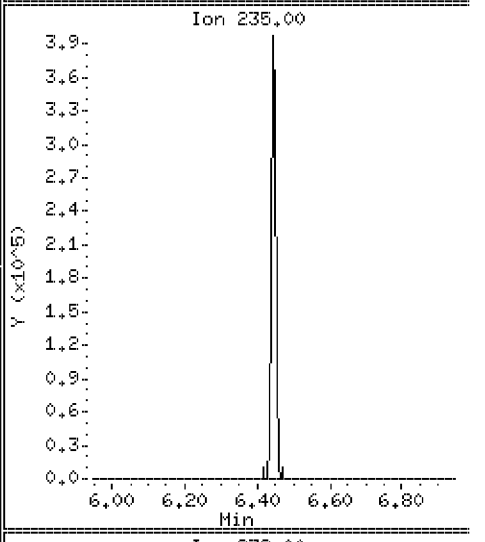
55 Hexachlorocyclopentadiene

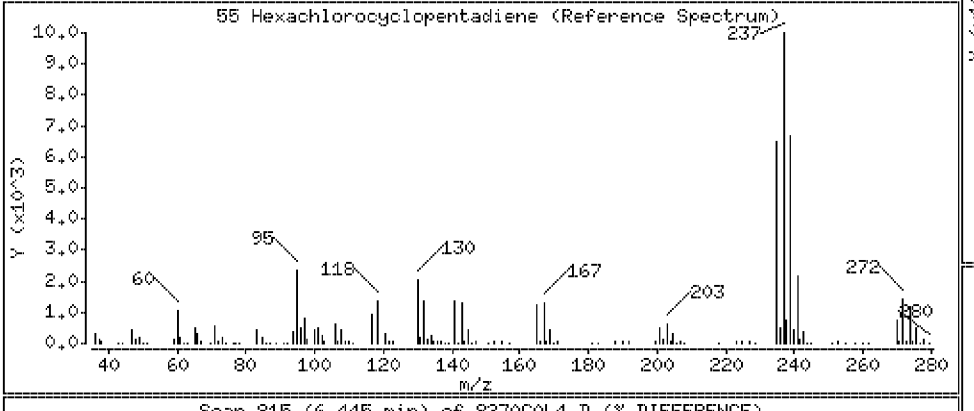
Concentration: 46.3 ug/l

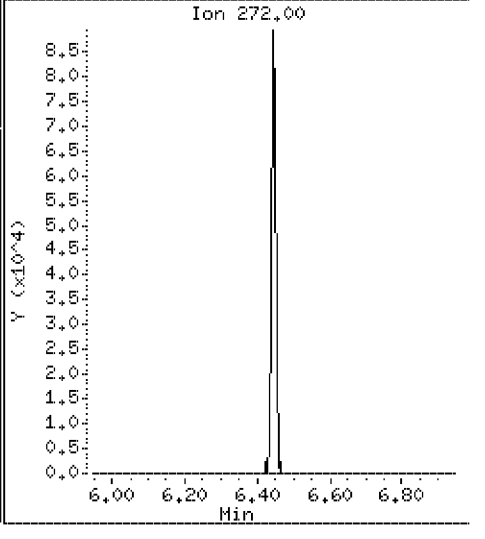


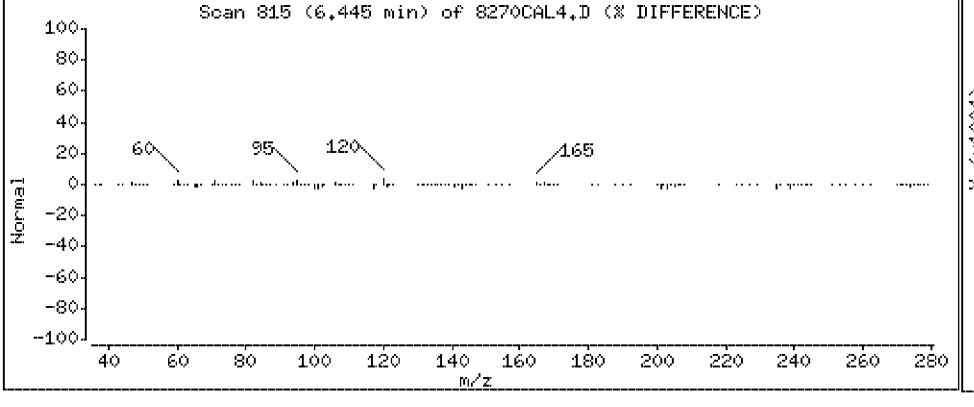












Date : 23-APR-2012 11:34

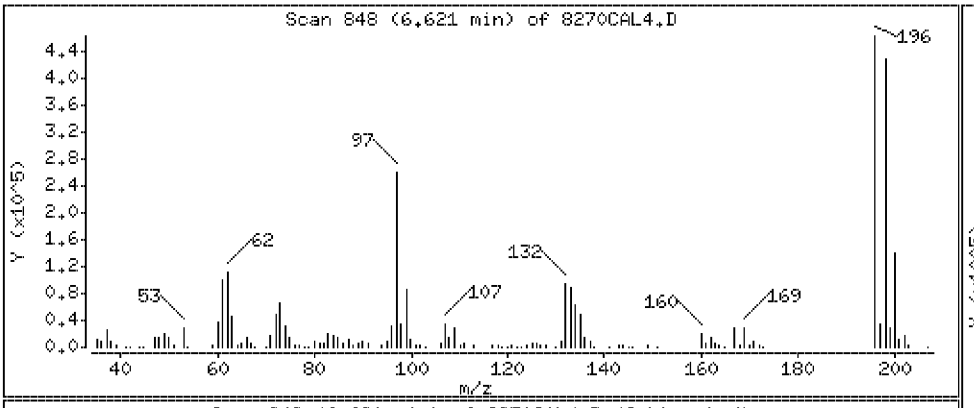
Client ID: 8270CAL4 Instrument: smsd03.i

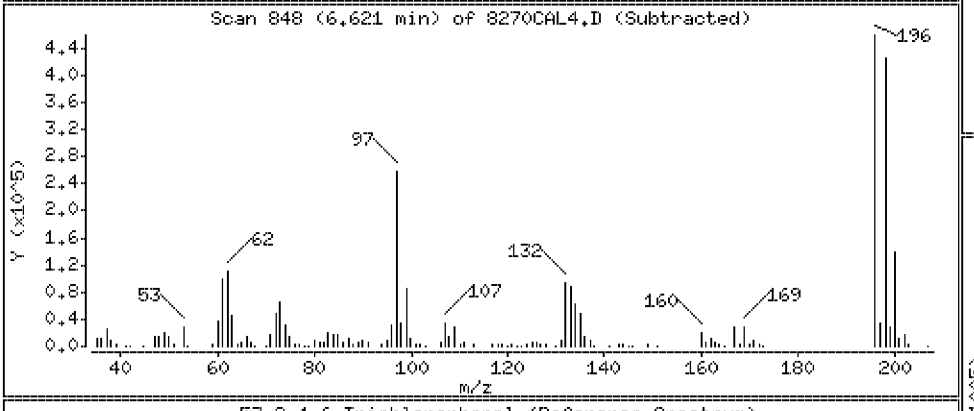
Sample Info: 45924

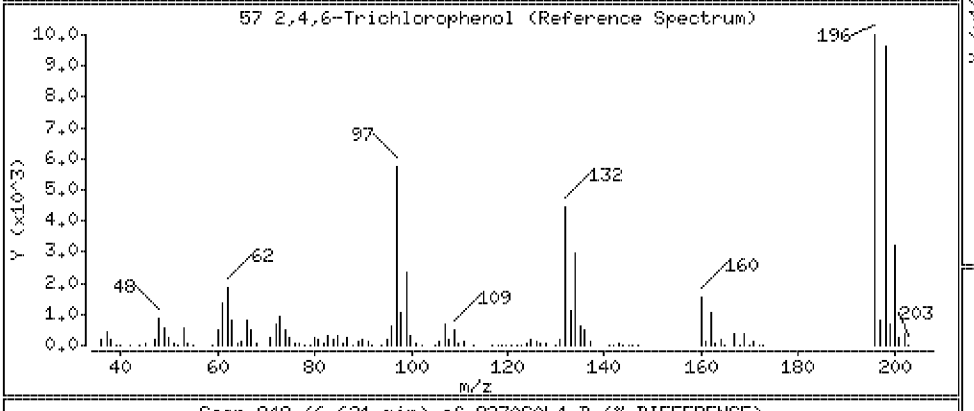
Purge Volume: 1000.0 Operator: PEL

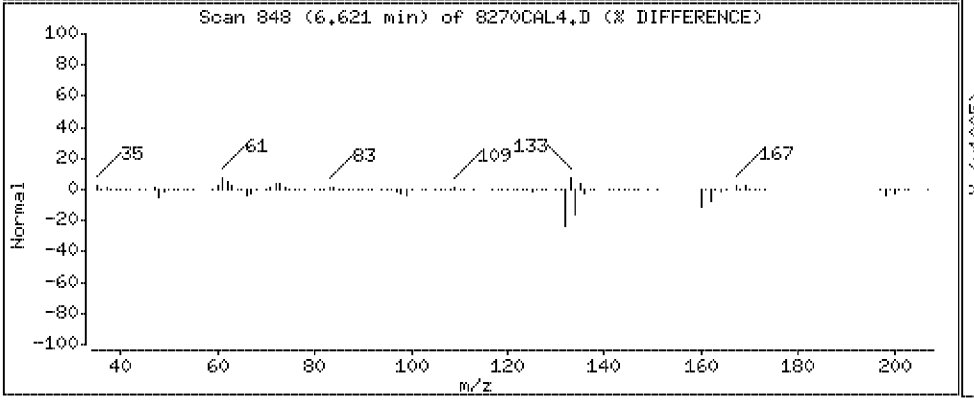
Column phase: HPMS-5 Column diameter: 0.25

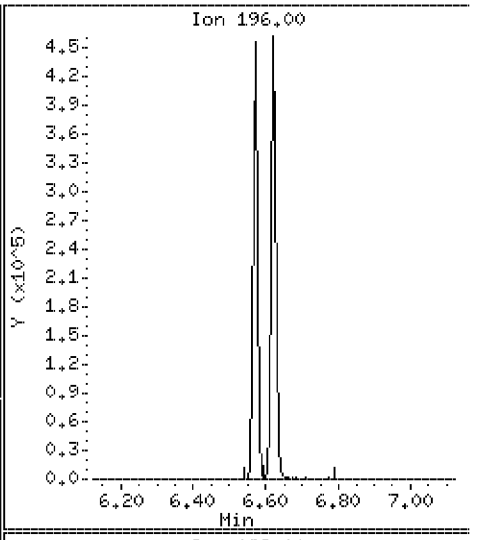
57 2,4,6-Trichlorophenol Concentration: 46.7 ug/l

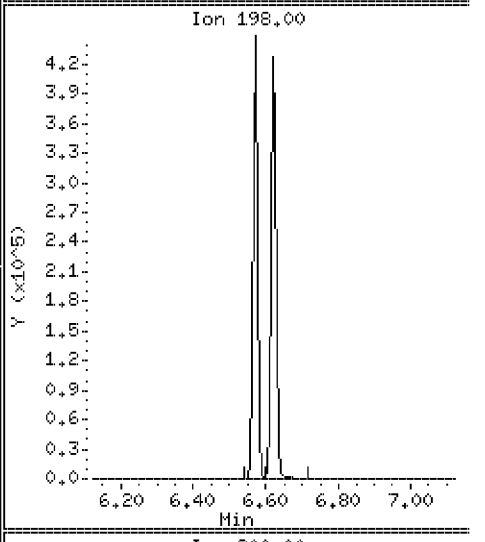


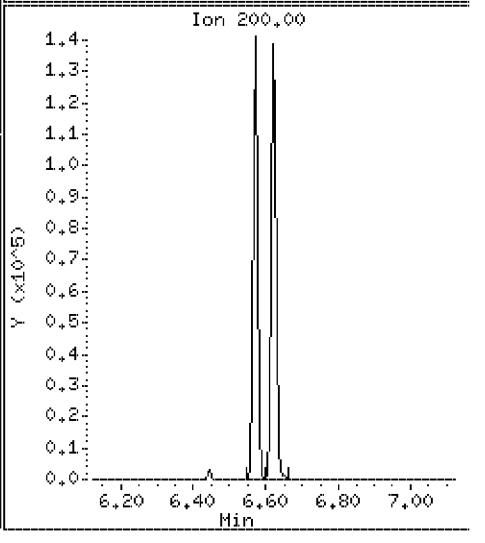












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

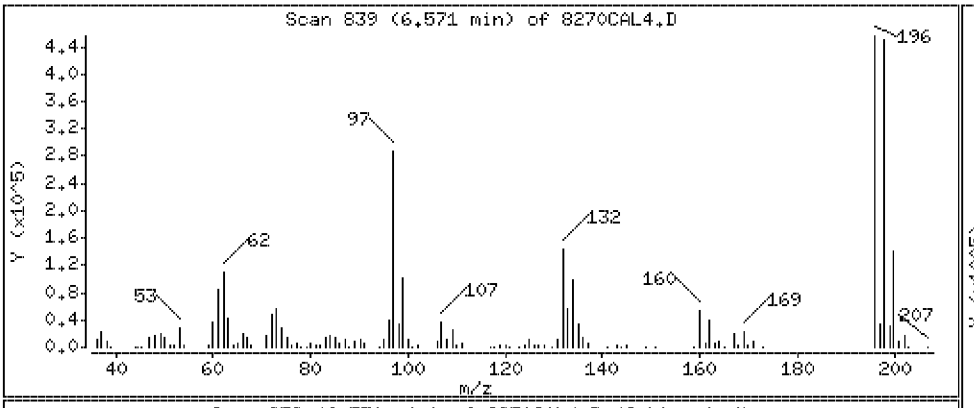
Operator: PEL

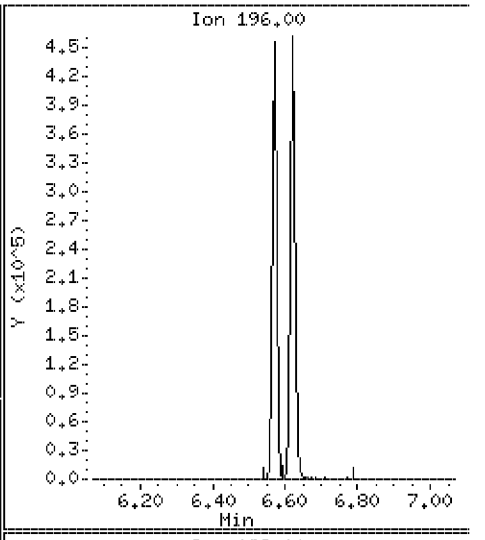
Column phase: HPMS-5

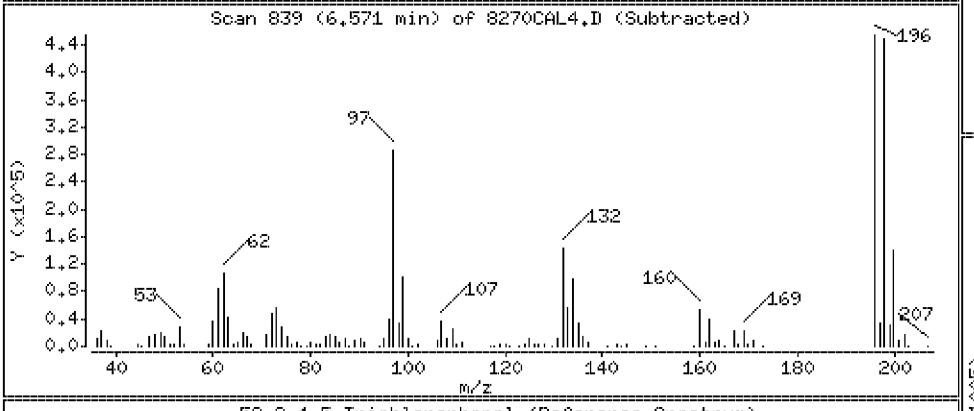
Column diameter: 0.25

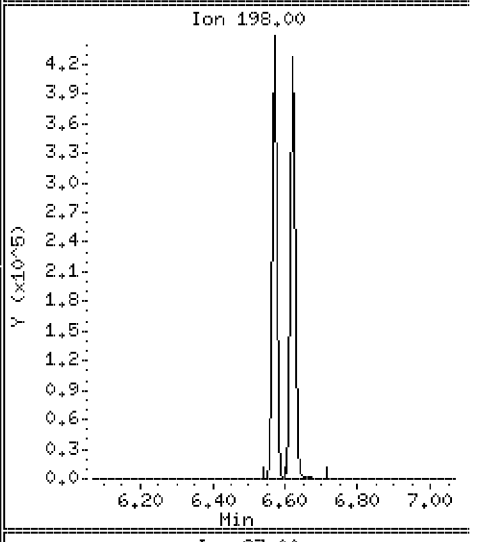
58 2,4,5-Trichlorophenol

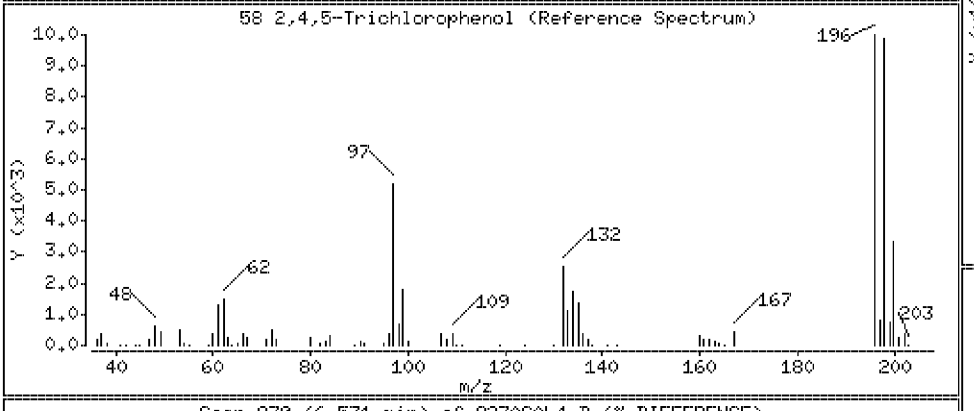
Concentration: 45.8 ug/l

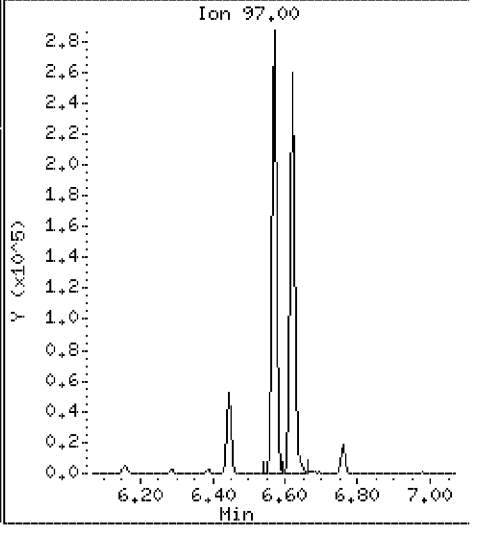


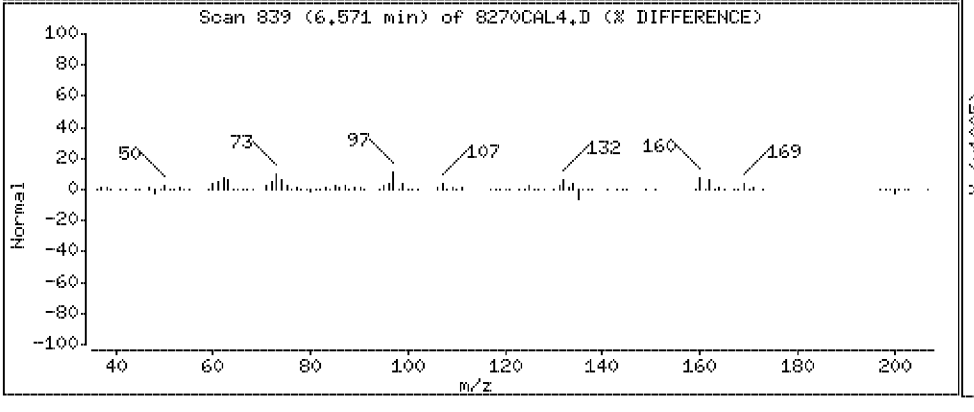












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

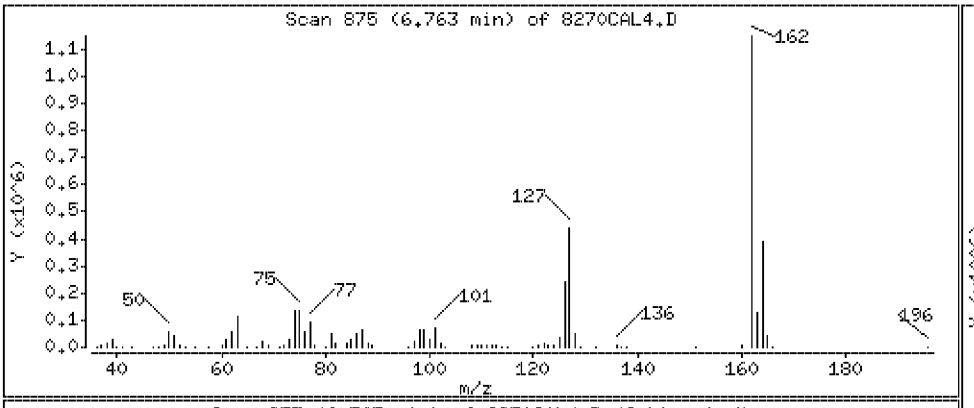
Operator: PEL

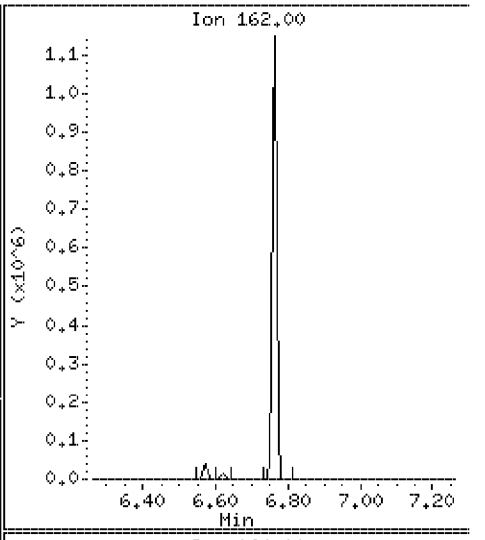
Column phase: HPMS-5

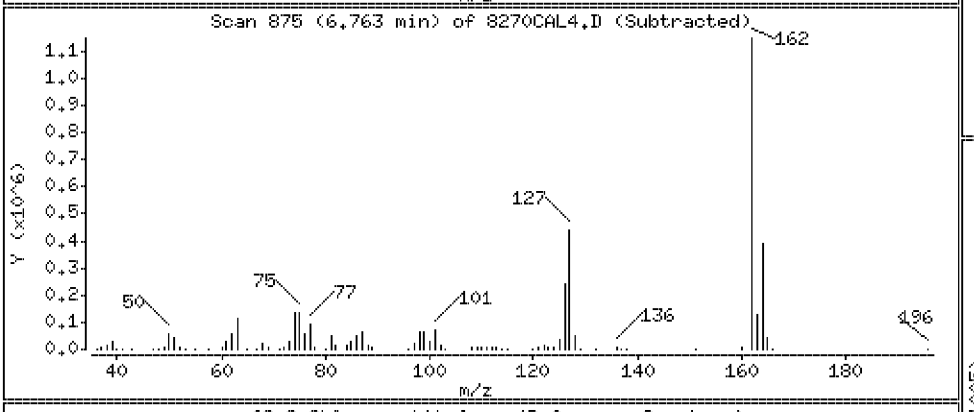
Column diameter: 0.25

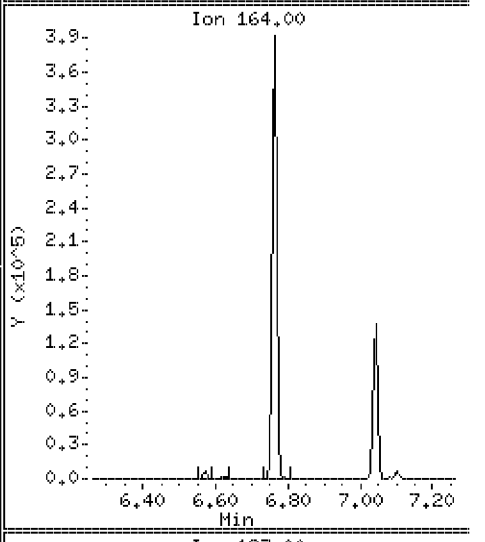
62 2-Chloronaphthalene

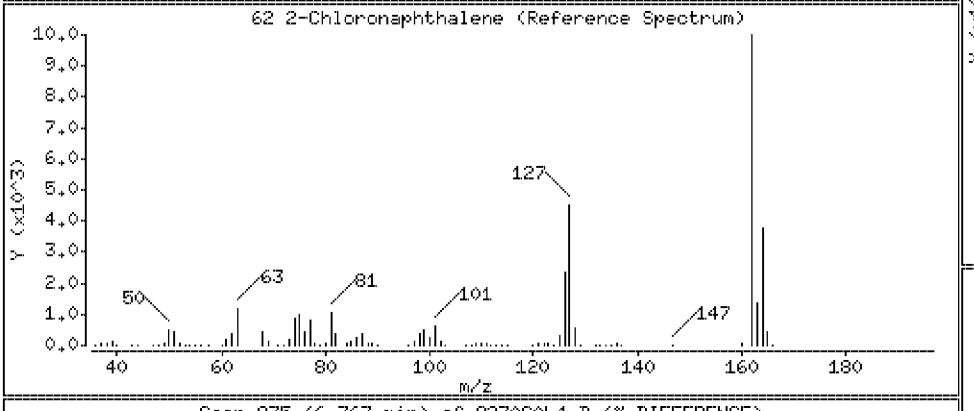
Concentration: 46.6 ug/l

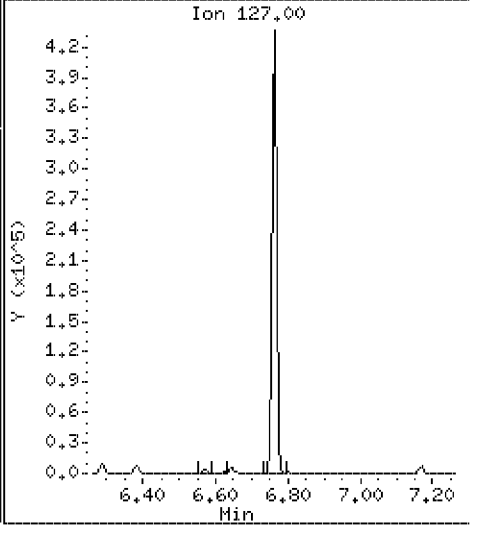


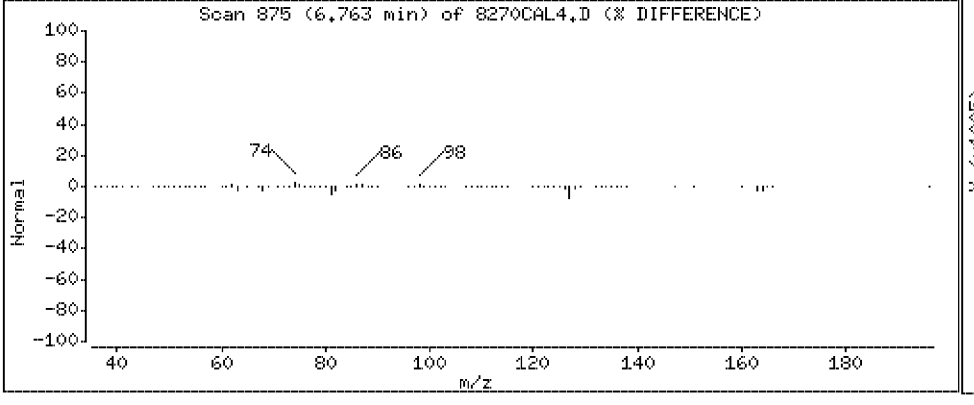












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

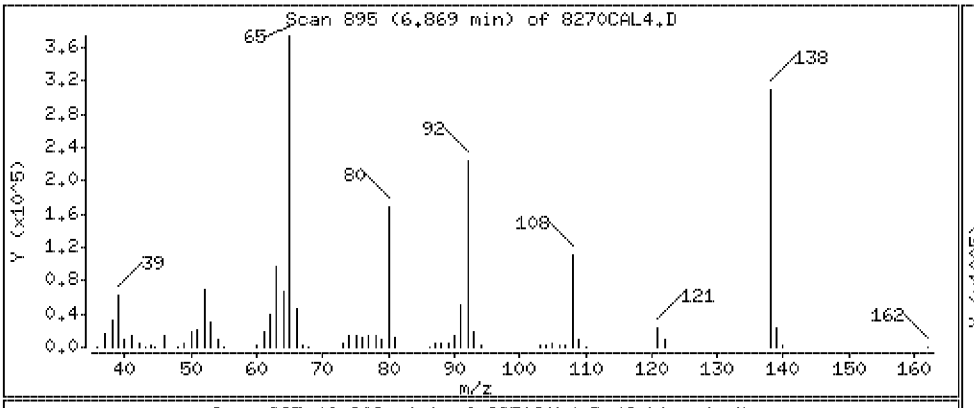
Operator: PEL

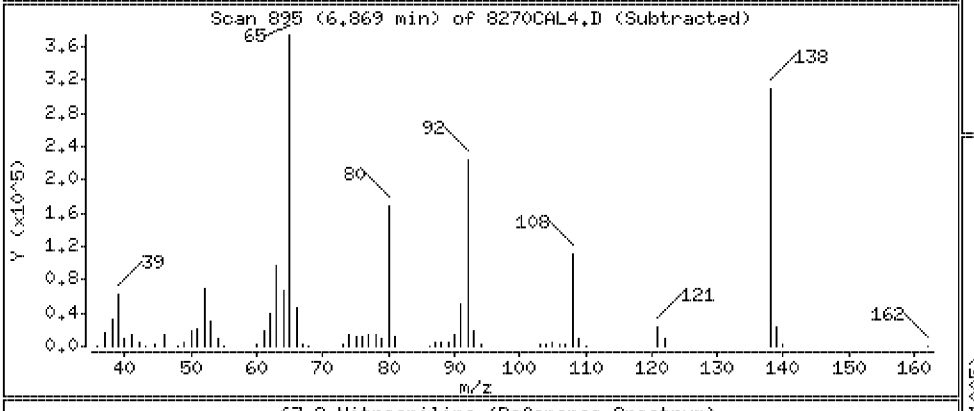
Column phase: HPMS-5

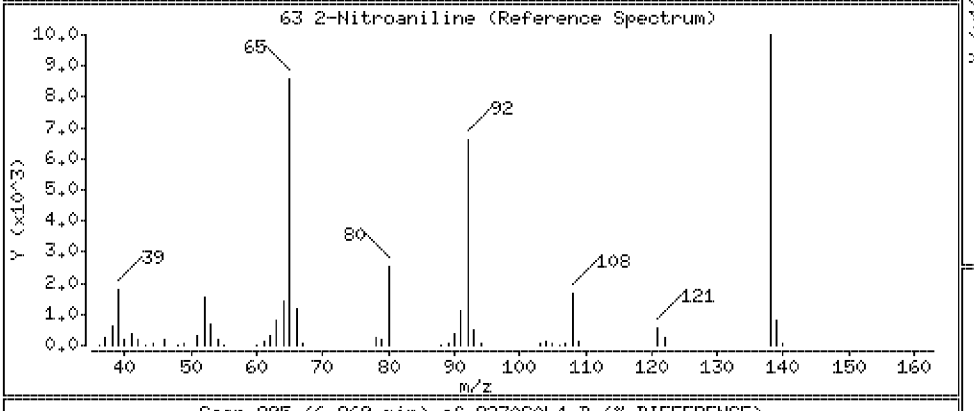
Column diameter: 0.25

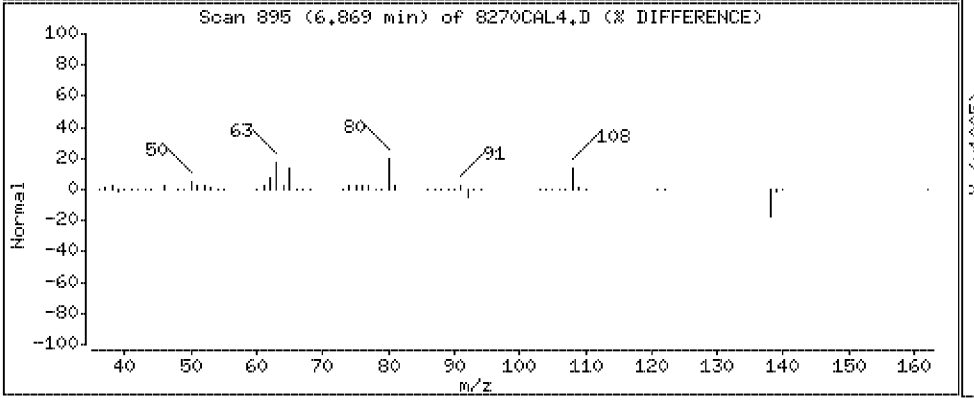
63 2-Nitroaniline

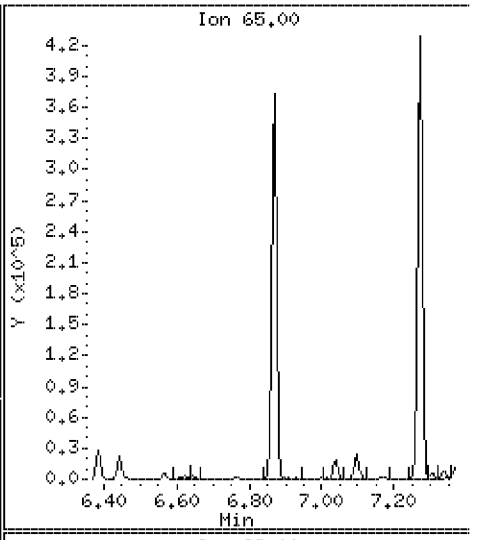
Concentration: 47.0 ug/l

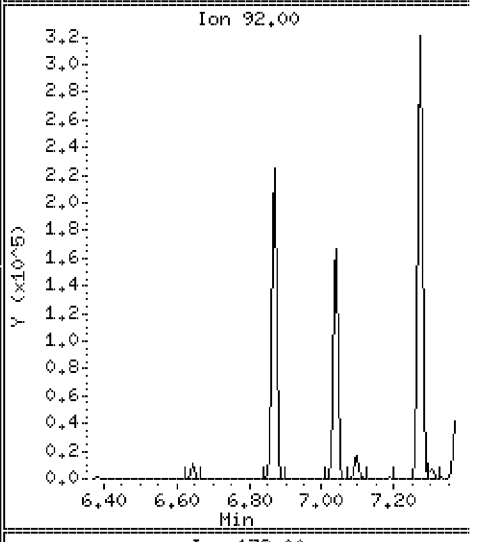


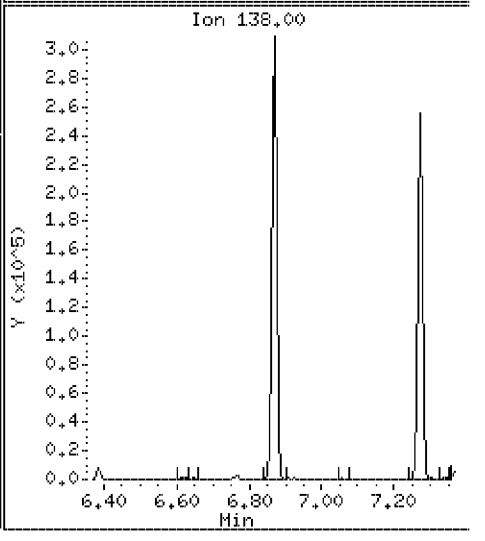












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

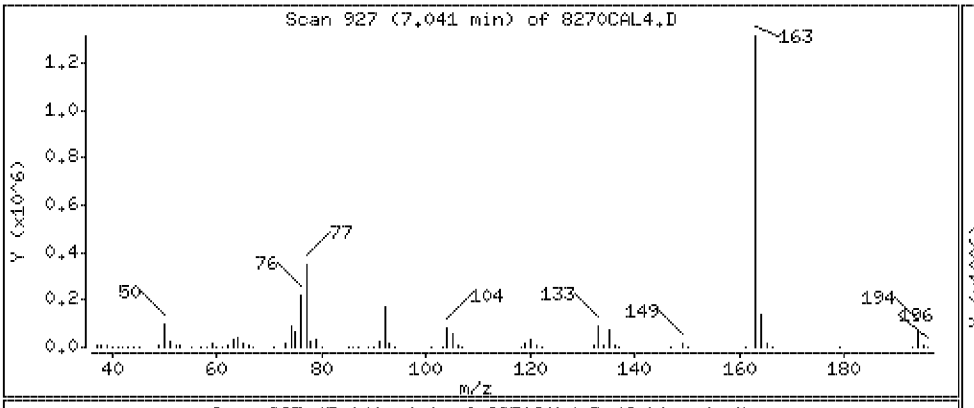
Operator: PEL

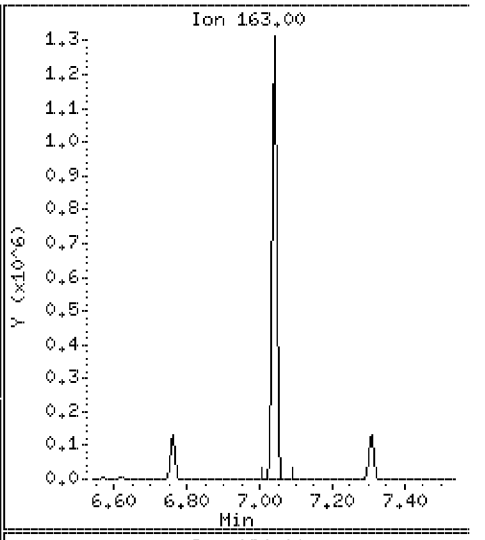
Column phase: HPMS-5

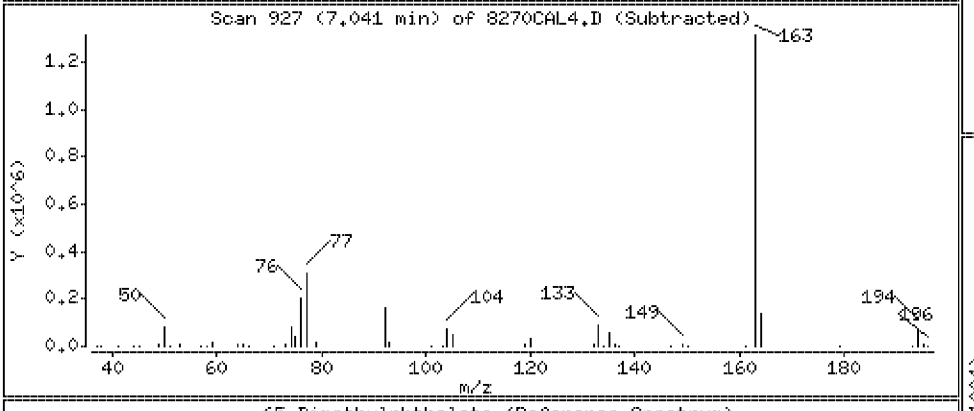
Column diameter: 0.25

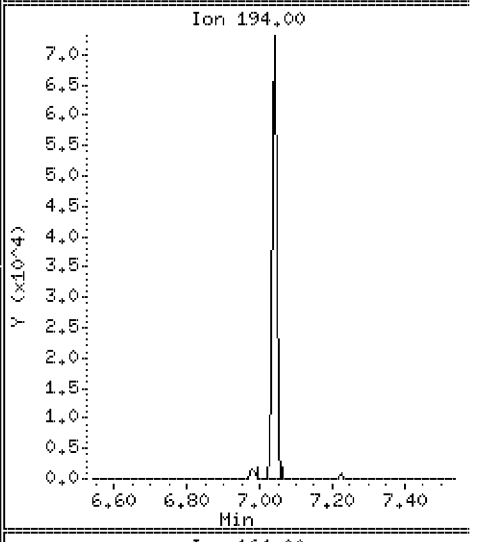
65 Dimethylphthalate

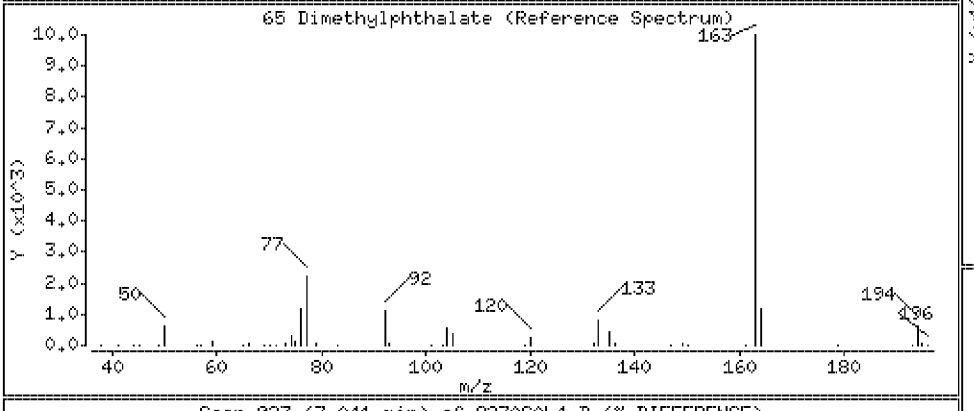
Concentration: 46.9 ug/l

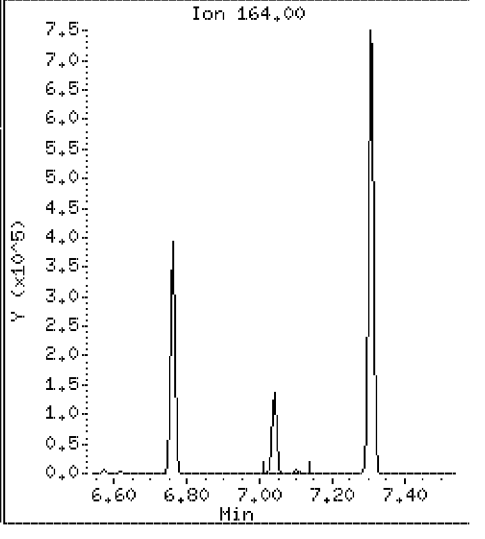


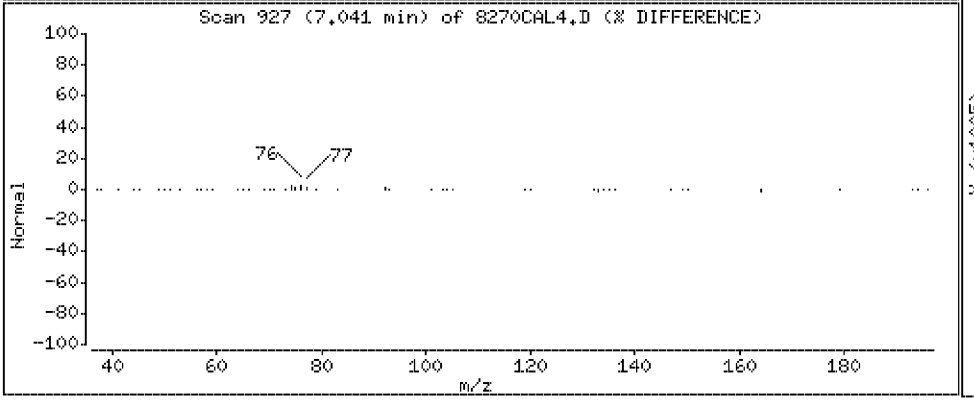












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

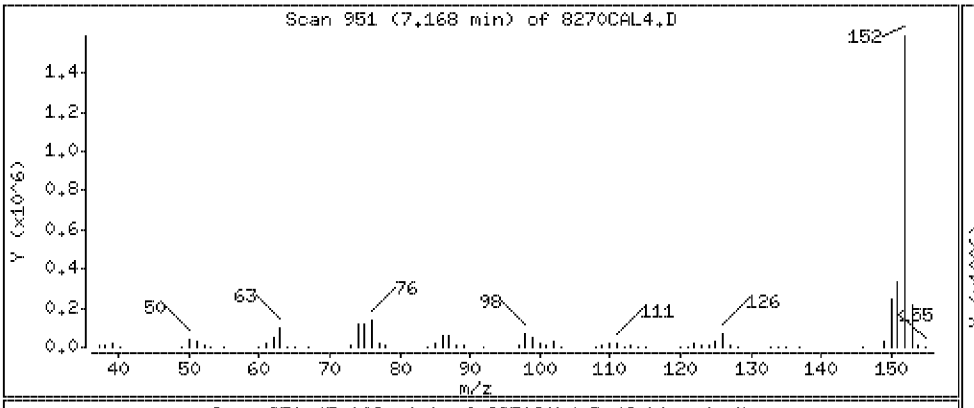
Operator: PEL

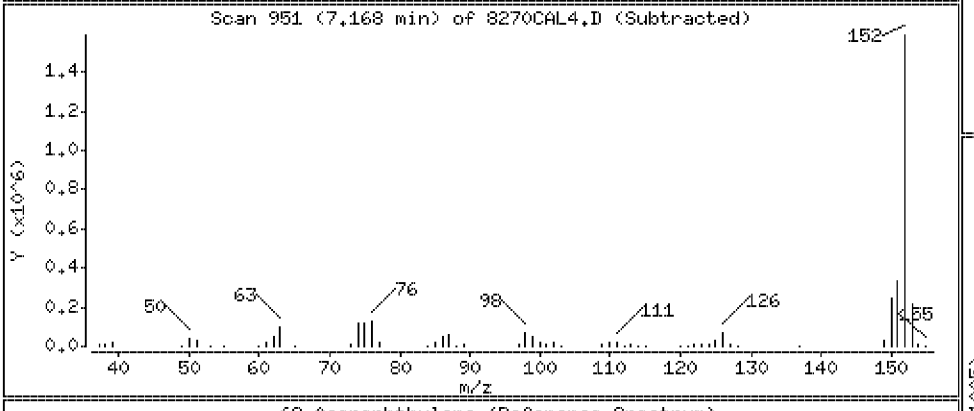
Column phase: HPMS-5

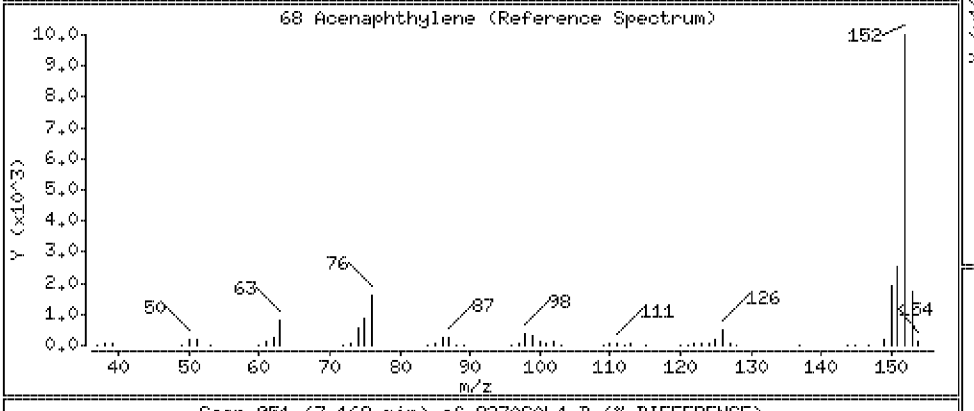
Column diameter: 0.25

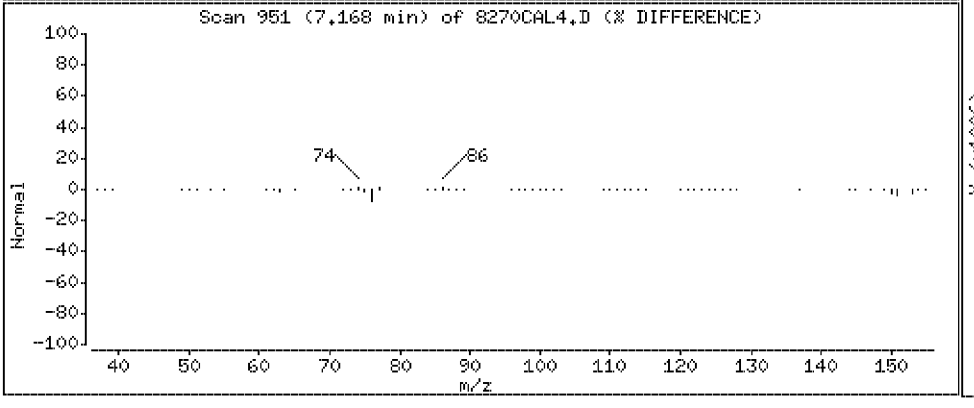
68 Acenaphthylene

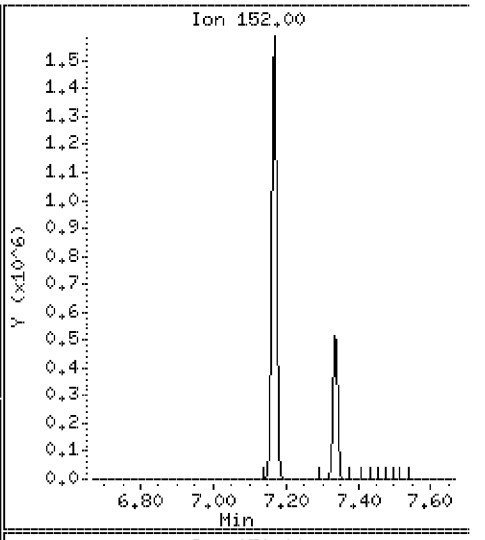
Concentration: 46.8 ug/l

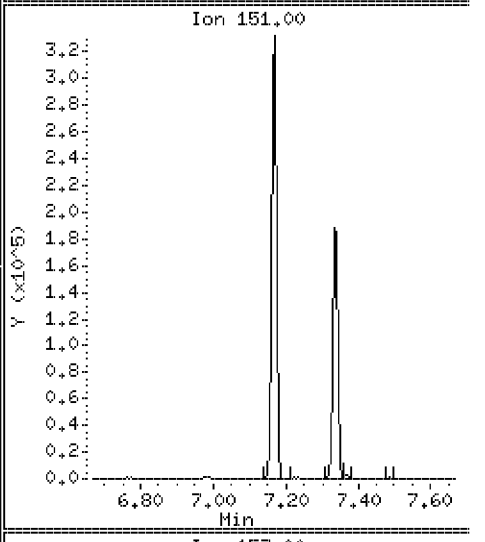


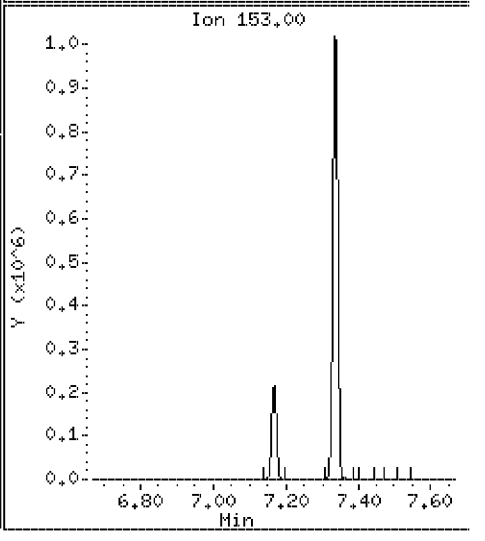












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

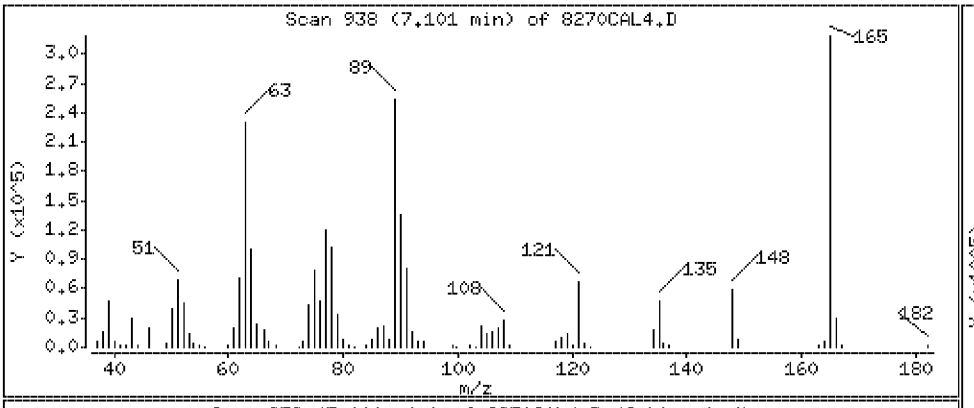
Operator: PEL

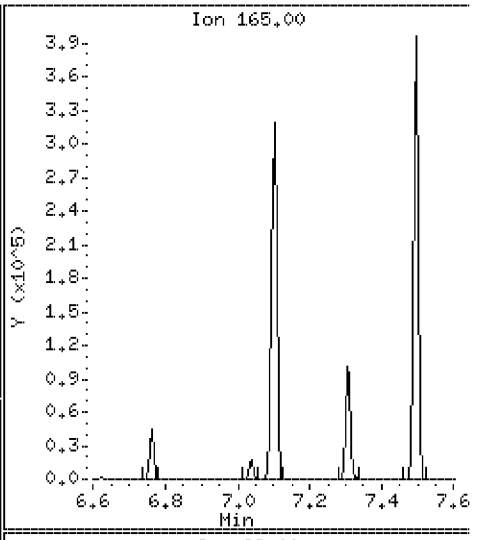
Column phase: HPMS-5

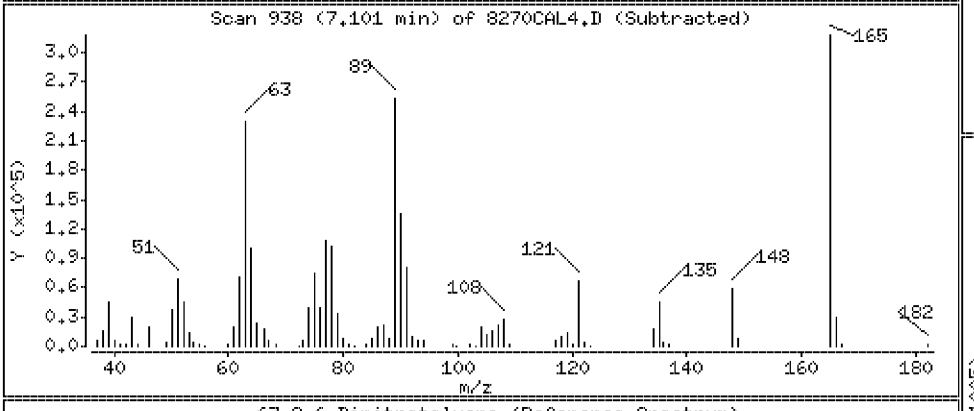
Column diameter: 0.25

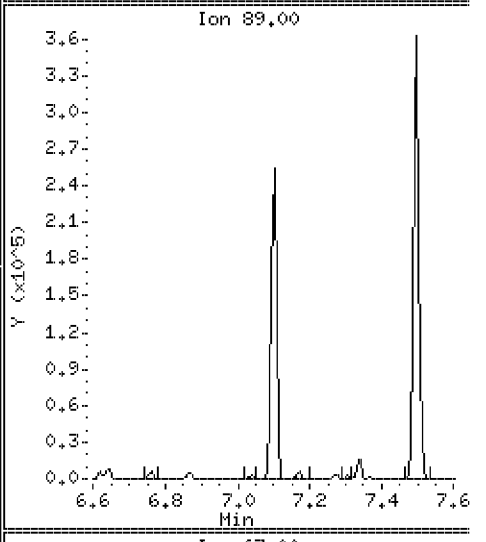
67 2,6-Dinitrotoluene

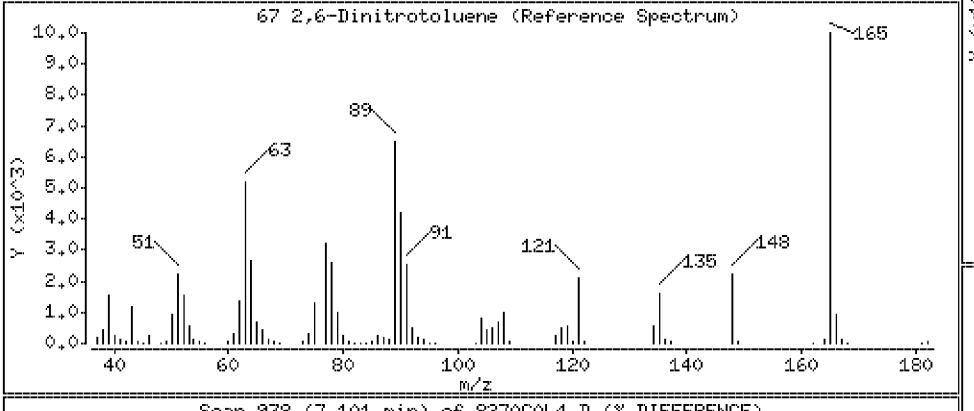
Concentration: 47.2 ug/l

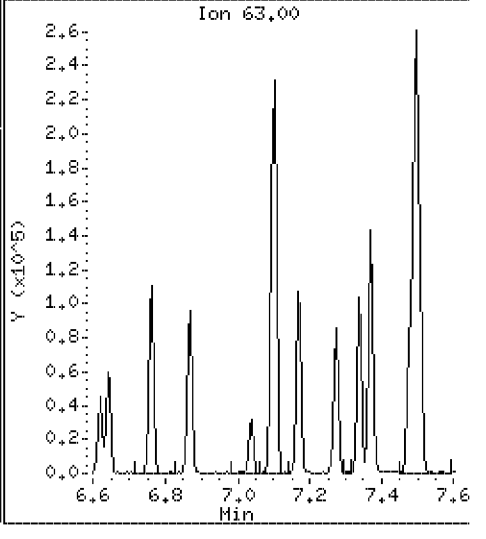


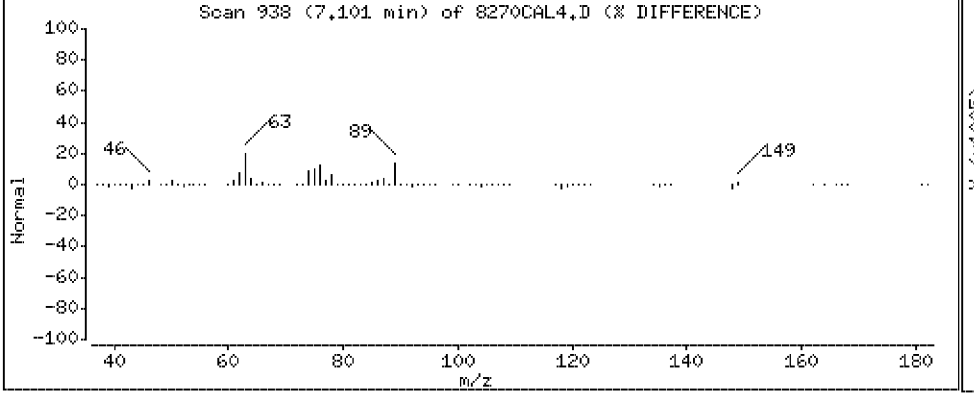












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

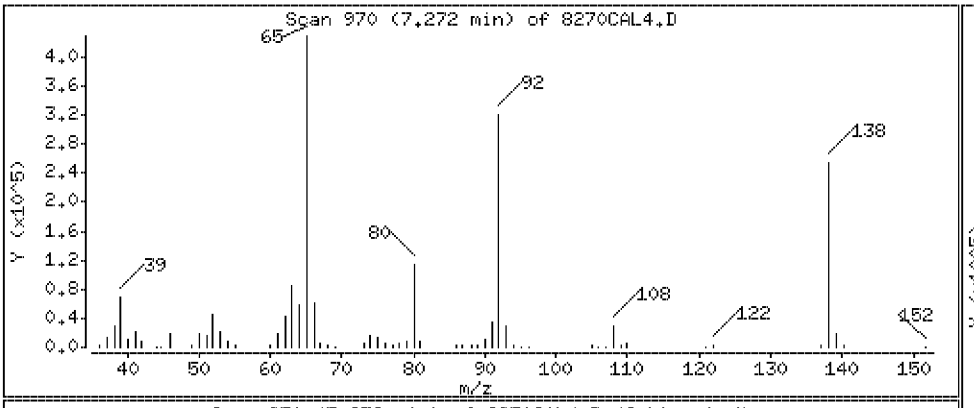
Operator: PEL

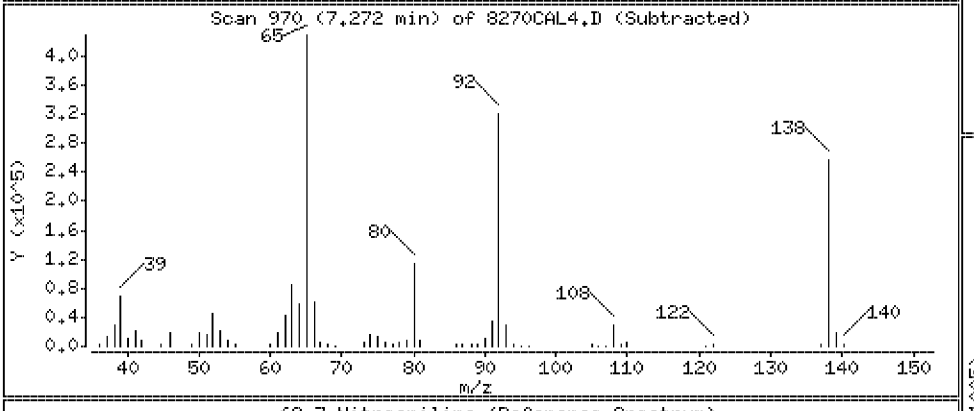
Column phase: HPMS-5

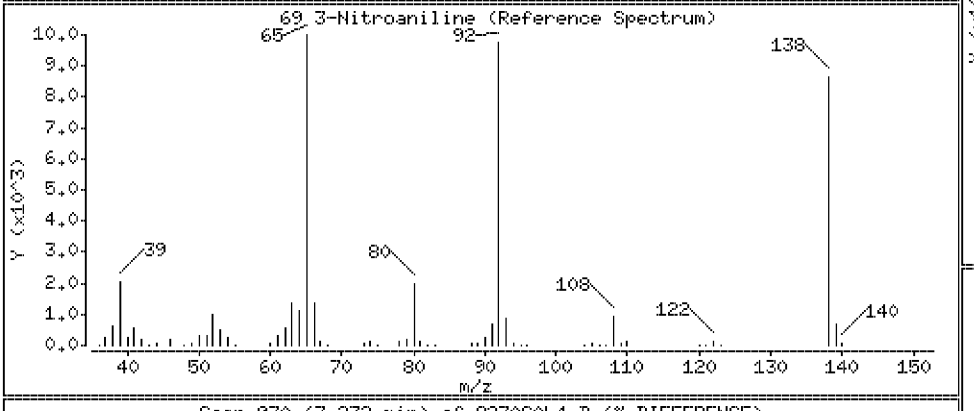
Column diameter: 0.25

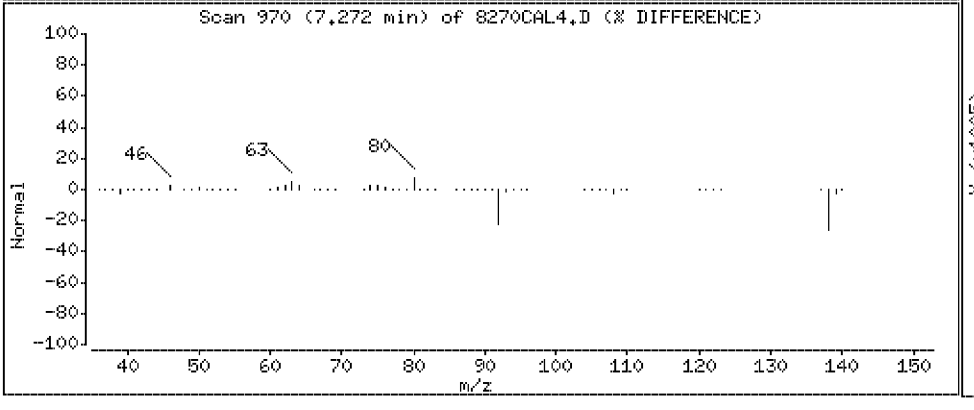
69 3-Nitroaniline

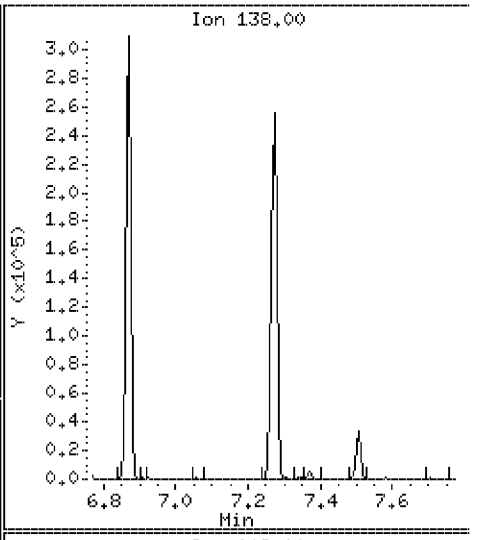
Concentration: 46.3 ug/l

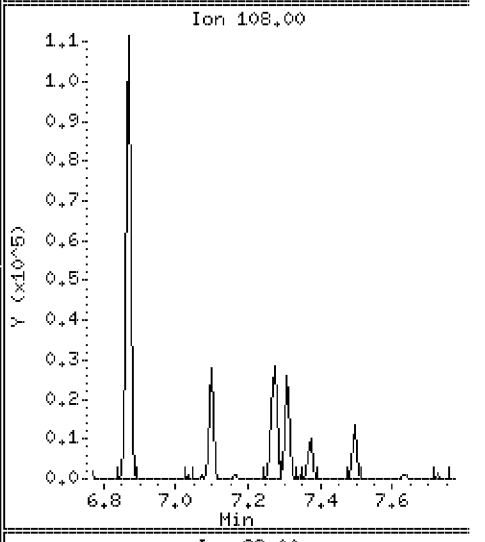


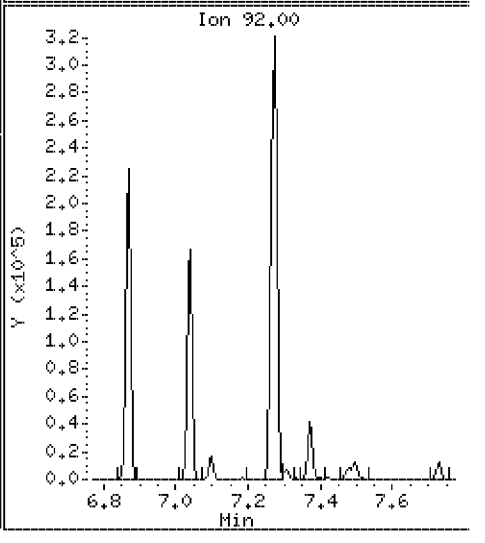












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

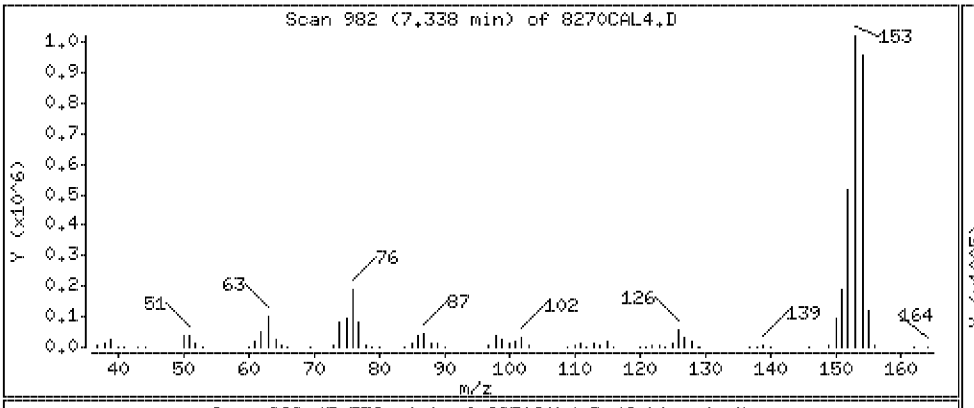
Client ID: 8270CAL4 Instrument: smsd03.i

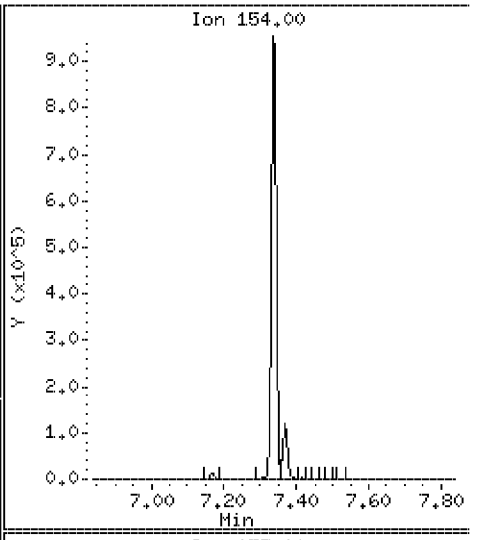
Sample Info: 45924

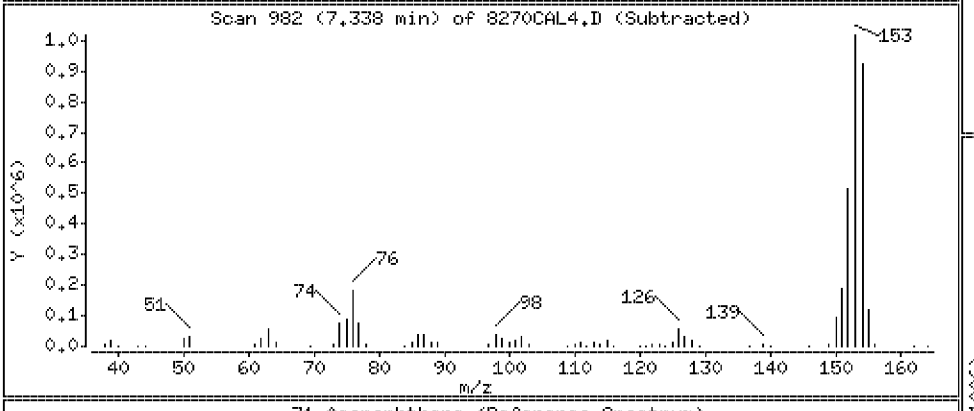
Purge Volume: 1000.0 Operator: PEL

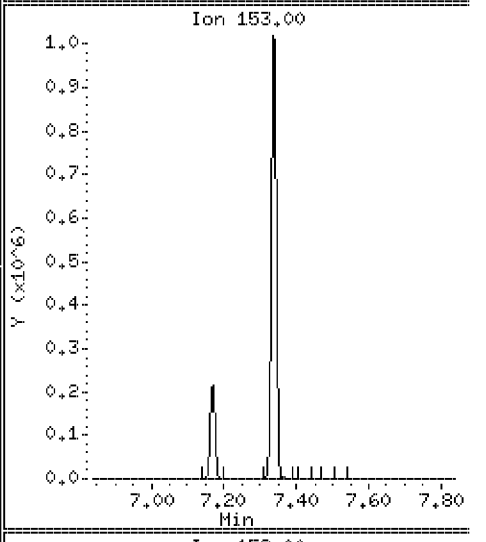
Column phase: HPMS-5 Column diameter: 0.25

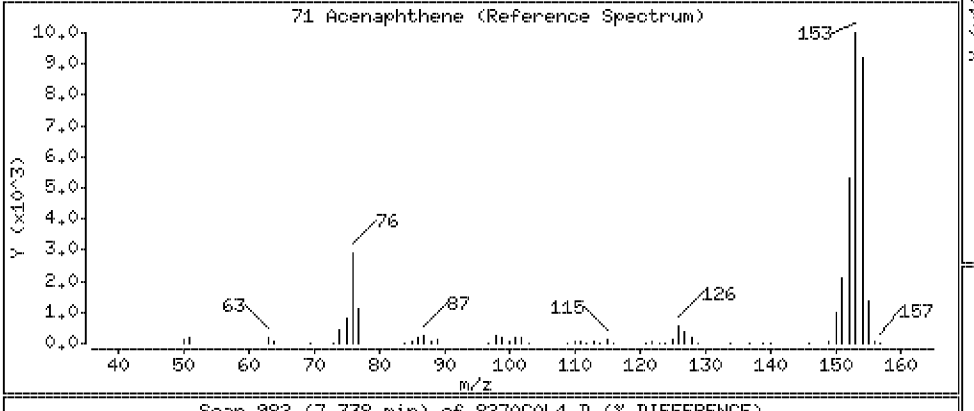
71 Acenaphthene Concentration: 46.4 ug/l

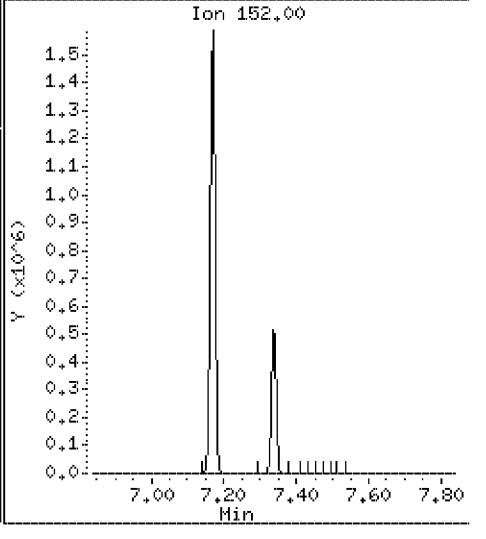


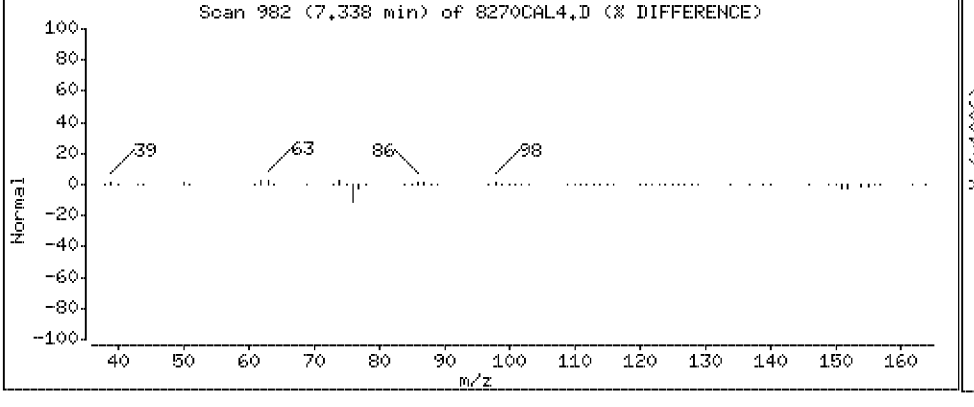












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

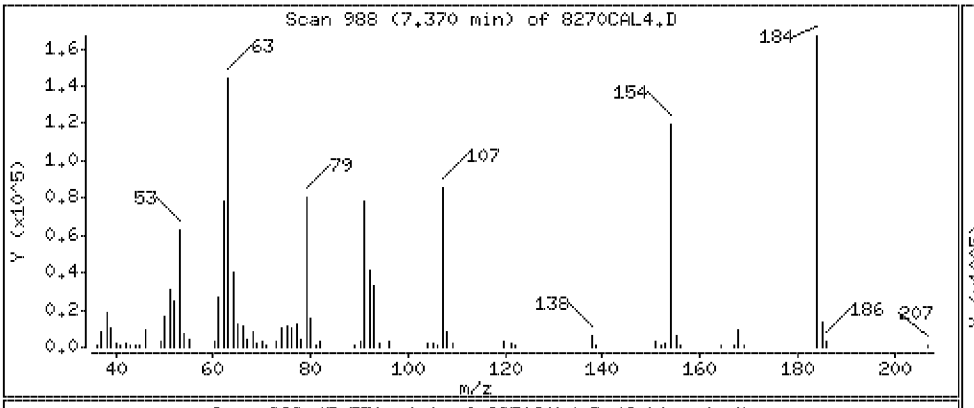
Operator: PEL

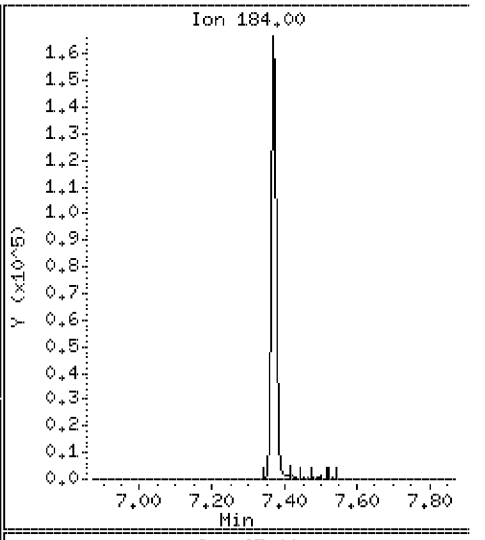
Column phase: HPMS-5

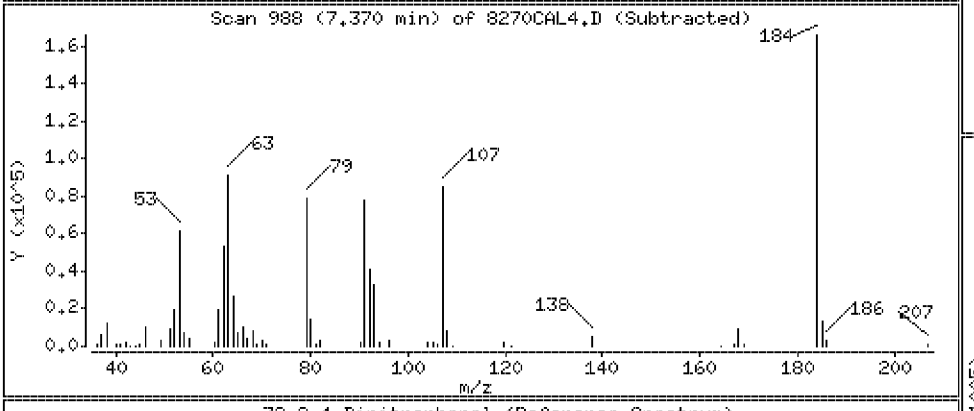
Column diameter: 0.25

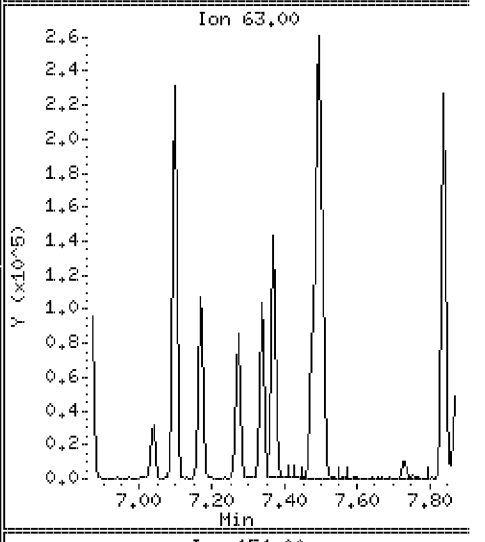
72 2,4-Dinitrophenol

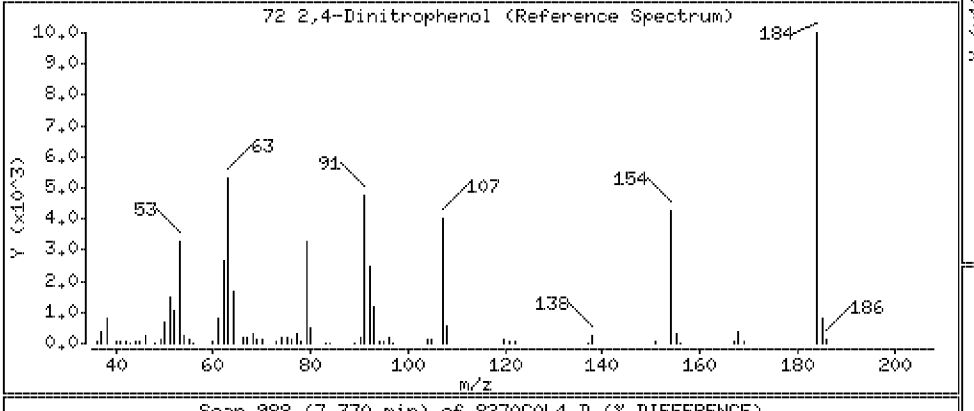
Concentration: 44.2 ug/l

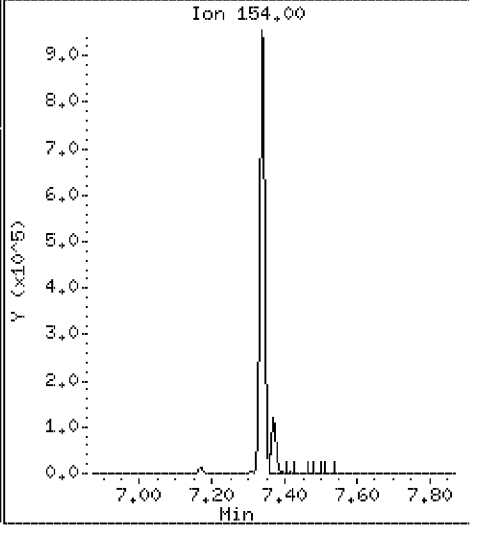


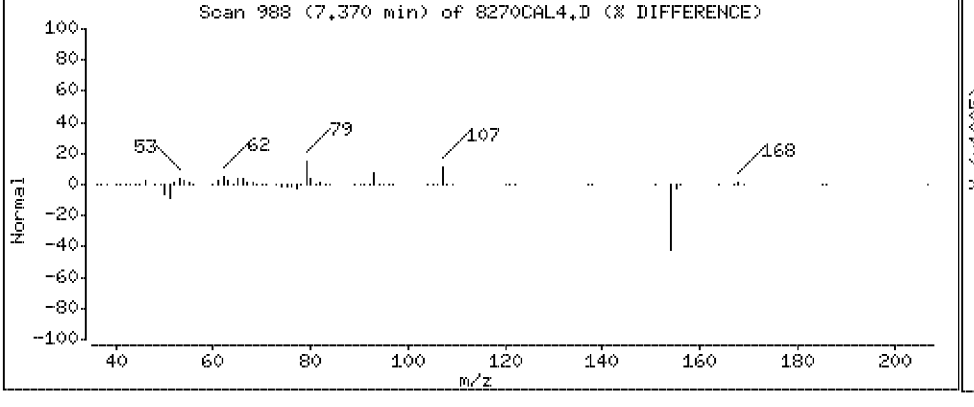












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

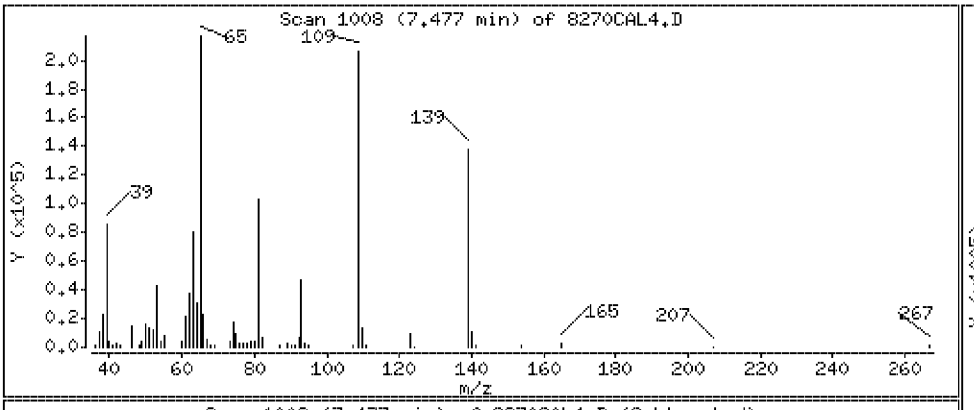
Operator: PEL

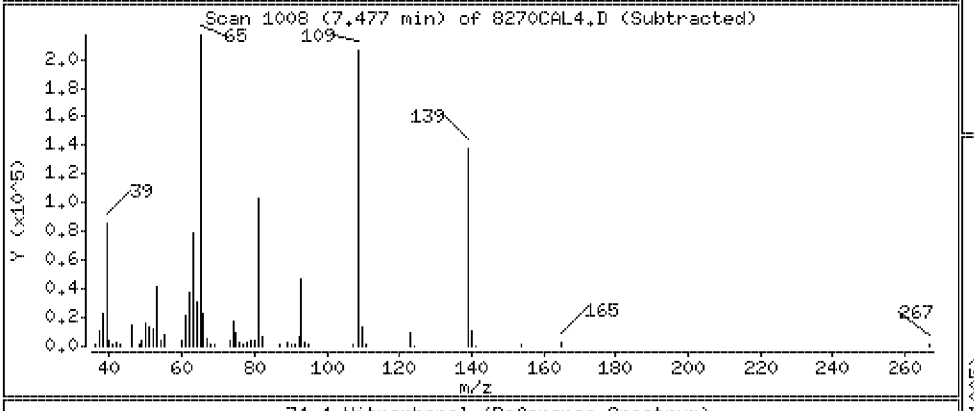
Column phase: HPMS-5

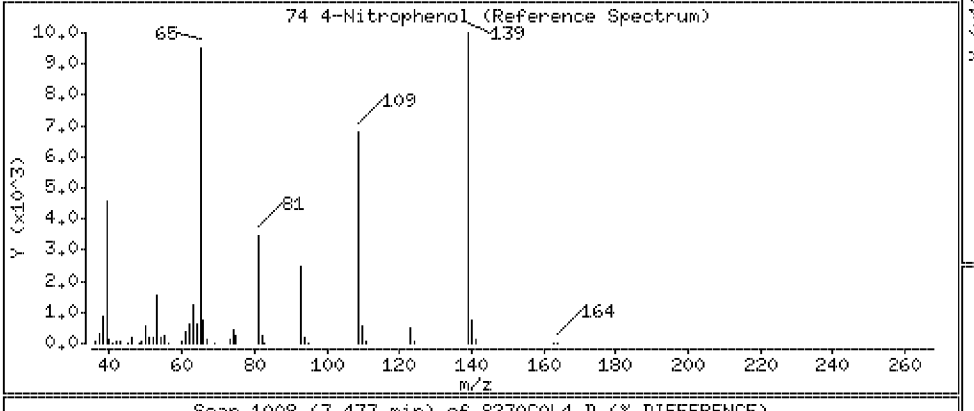
Column diameter: 0.25

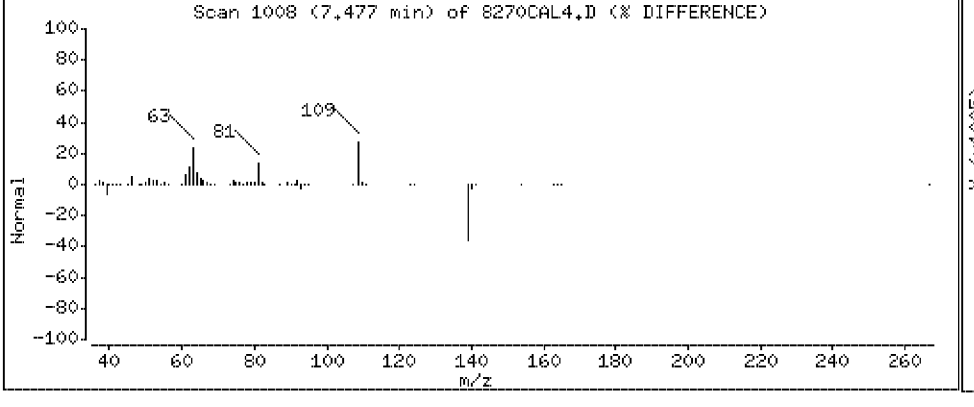
74 4-Nitrophenol

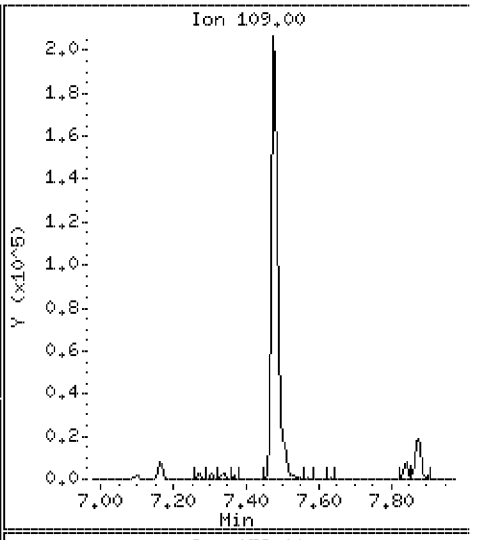
Concentration: 48.1 ug/l

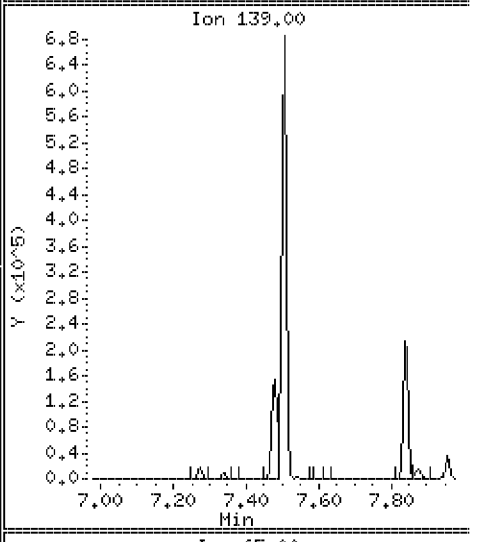


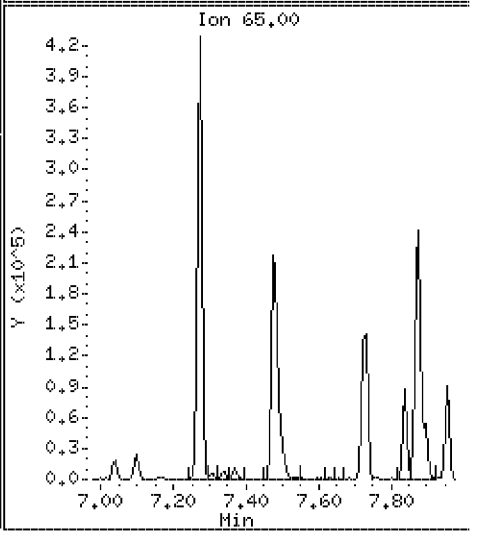












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

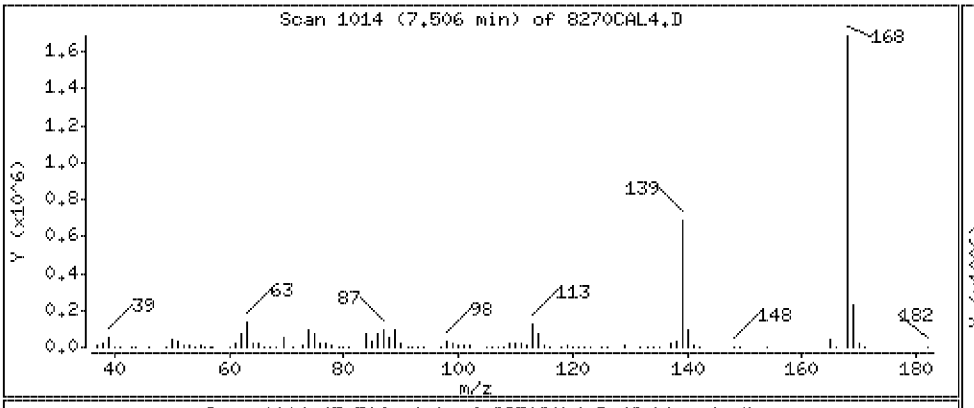
Operator: PEL

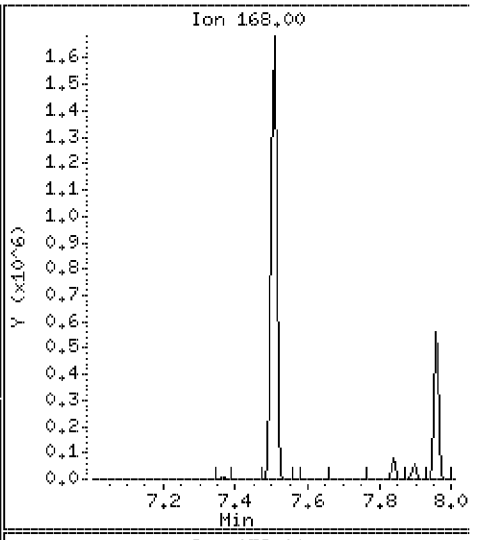
Column phase: HPMS-5

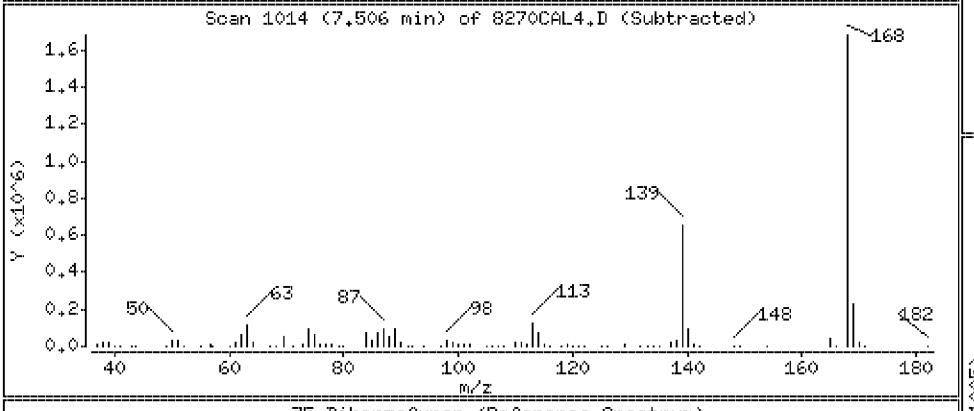
Column diameter: 0.25

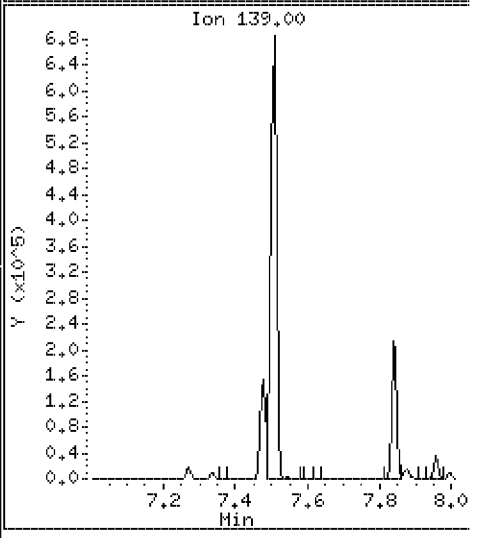
75 Dibenzofuran

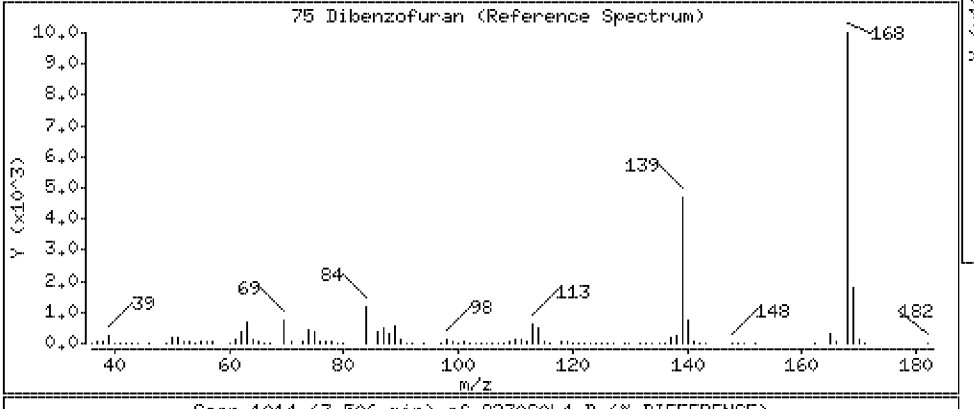
Concentration: 46.6 ug/l

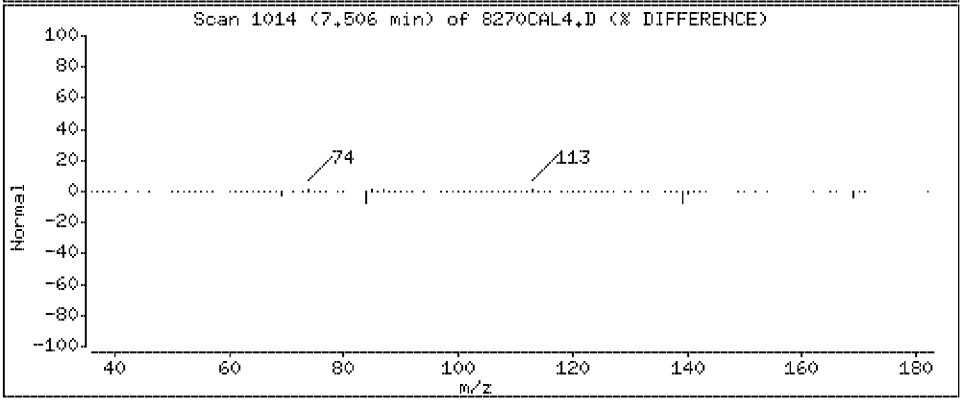












Date : 23-APR-2012 11:34

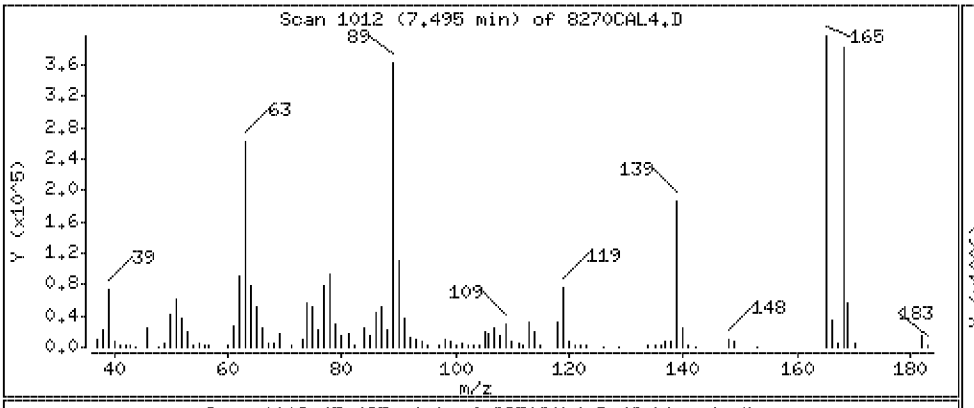
Client ID: 8270CAL4 Instrument: smsd03.i

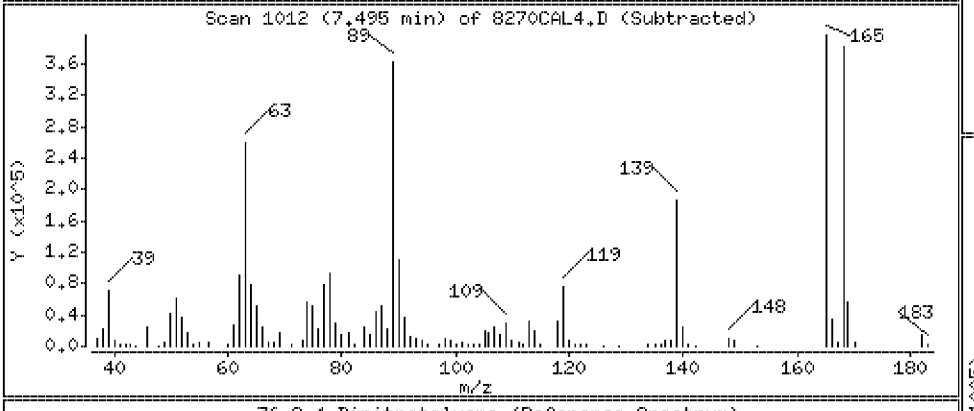
Sample Info: 45924

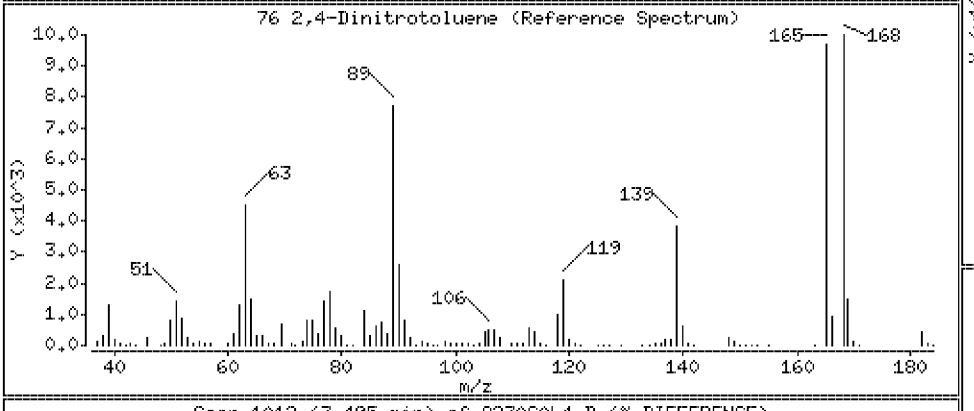
Purge Volume: 1000.0 Operator: PEL

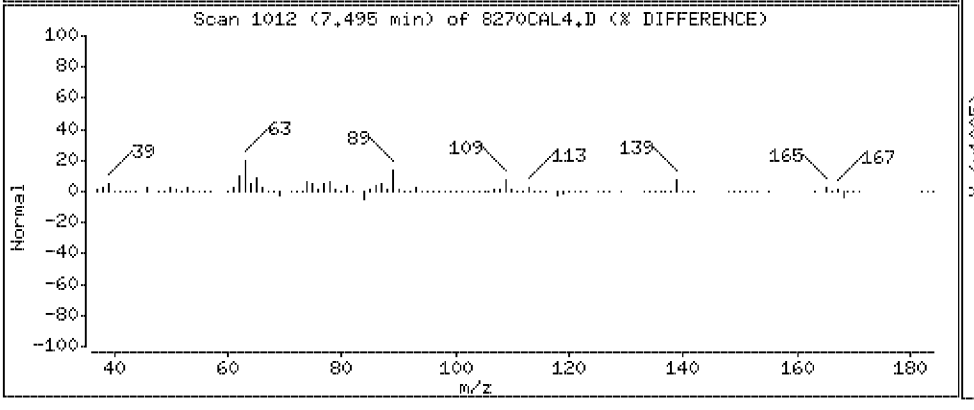
Column phase: HPMS-5 Column diameter: 0.25

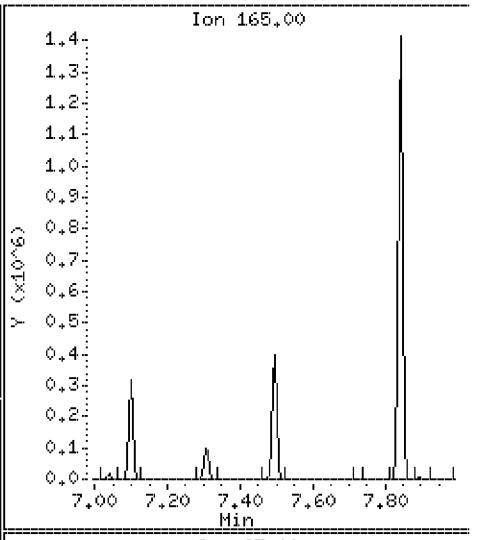
76 2,4-Dinitrotoluene Concentration: 45.6 ug/l

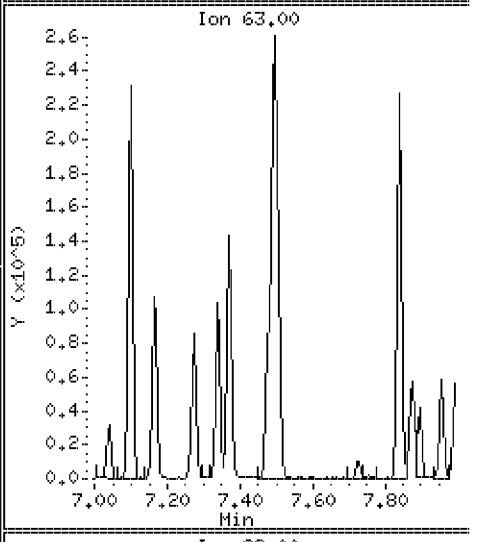


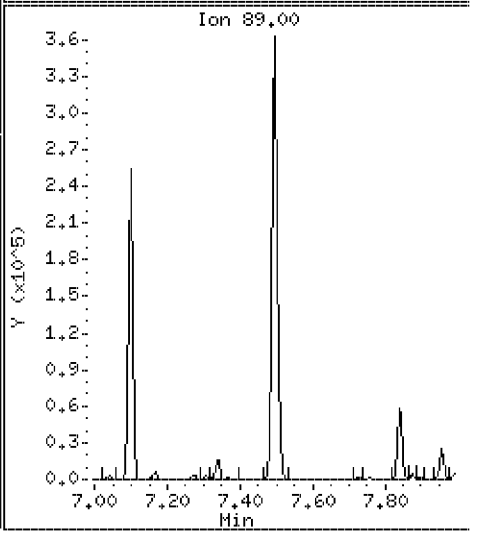












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

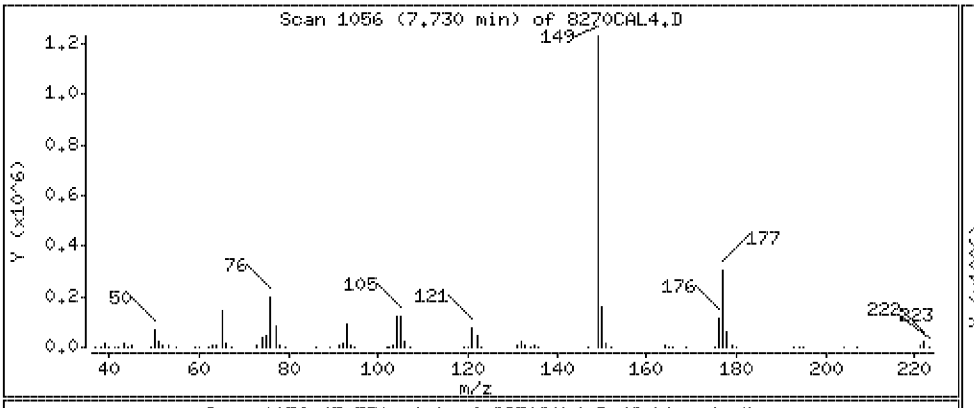
Operator: PEL

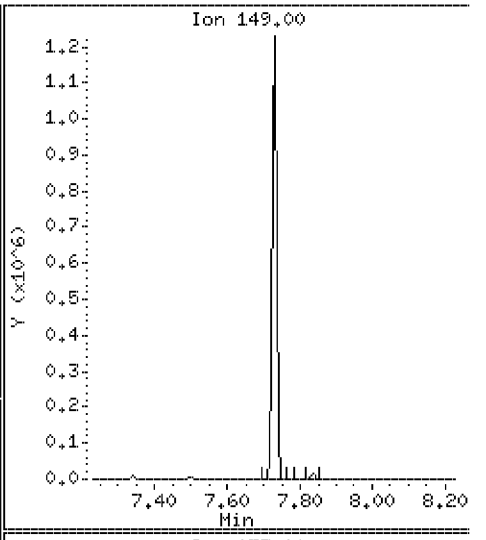
Column phase: HPMS-5

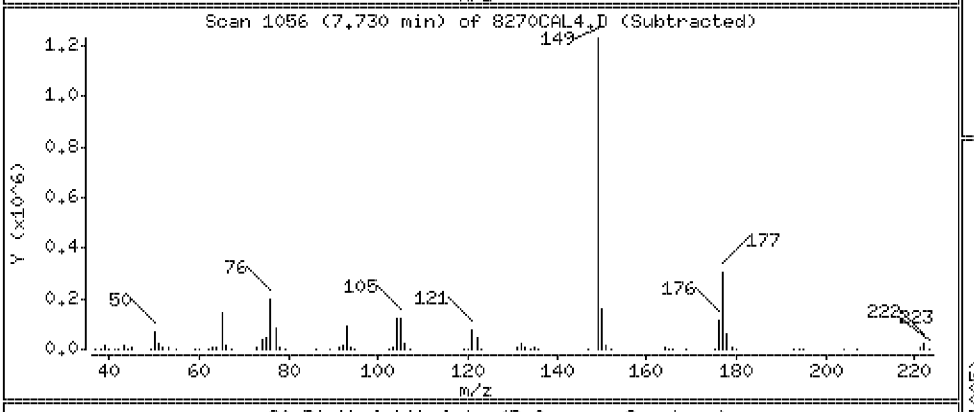
Column diameter: 0.25

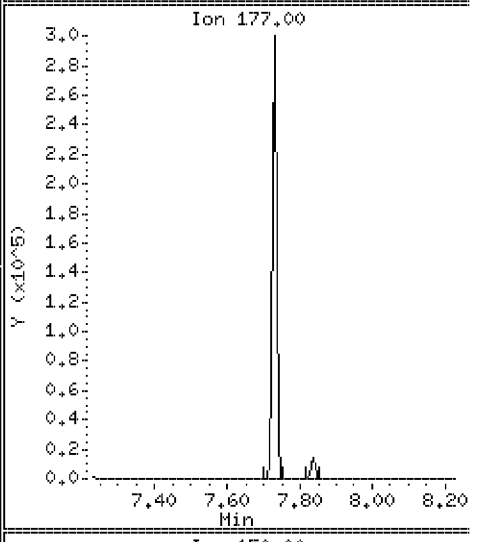
80 Diethylphthalate

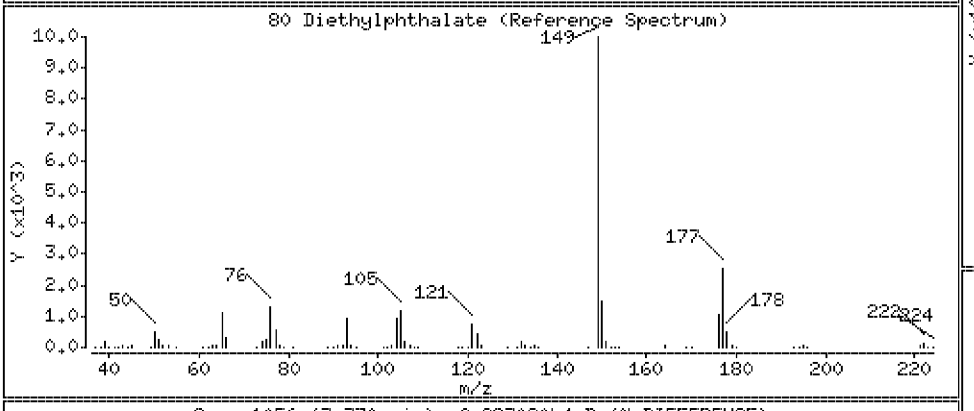
Concentration: 46.4 ug/l

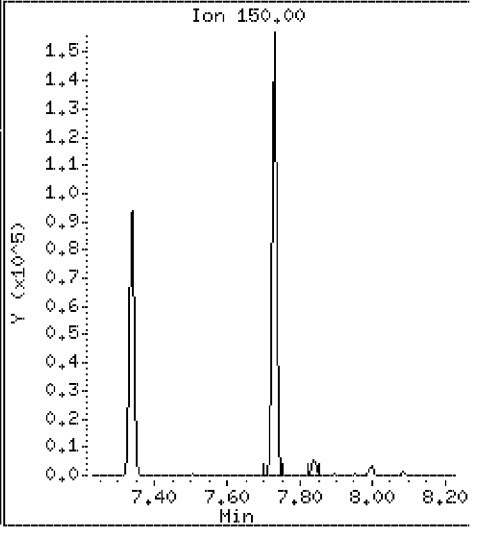


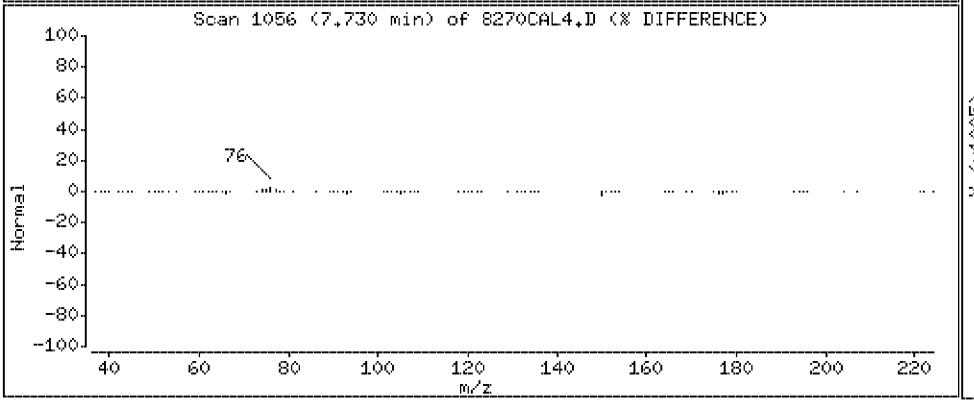












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

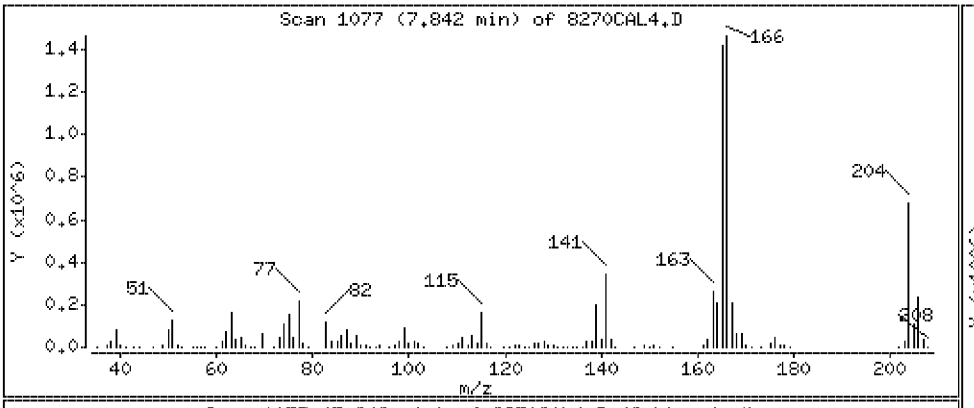
Operator: PEL

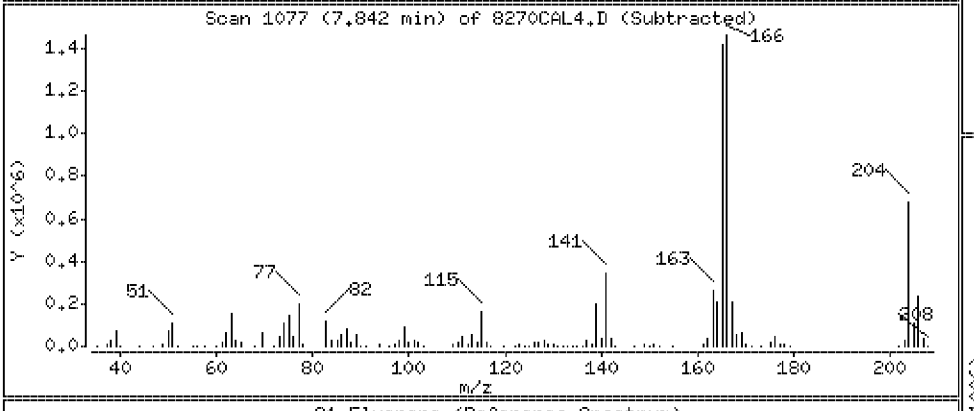
Column phase: HPMS-5

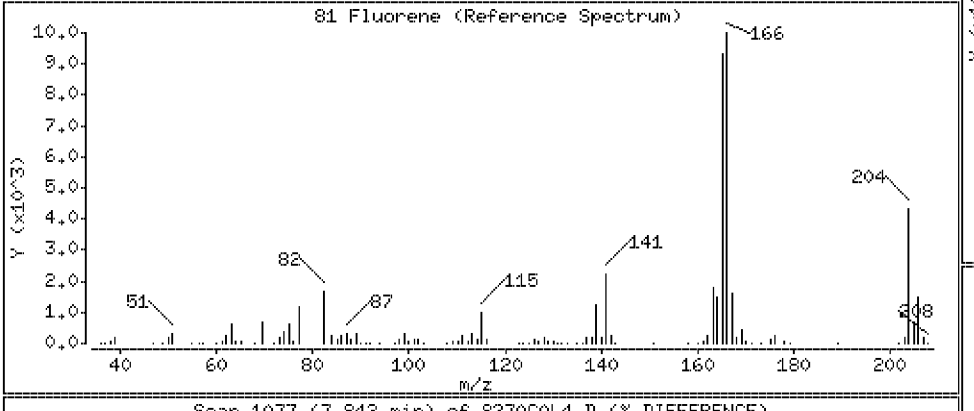
Column diameter: 0.25

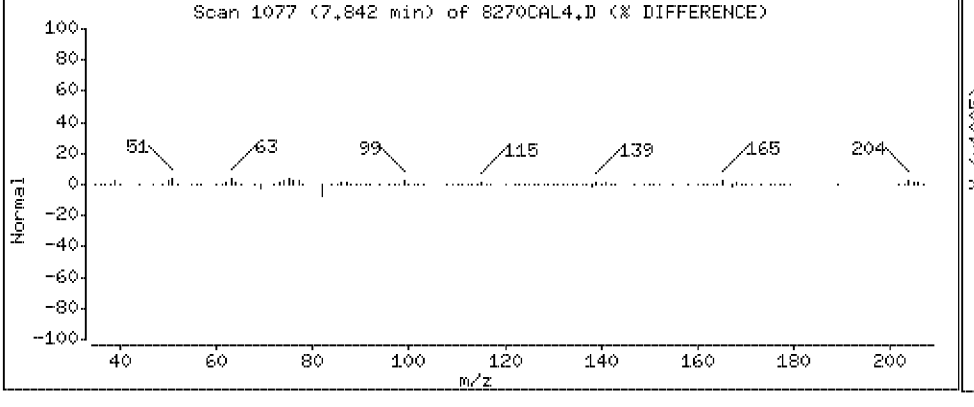
81 Fluorene

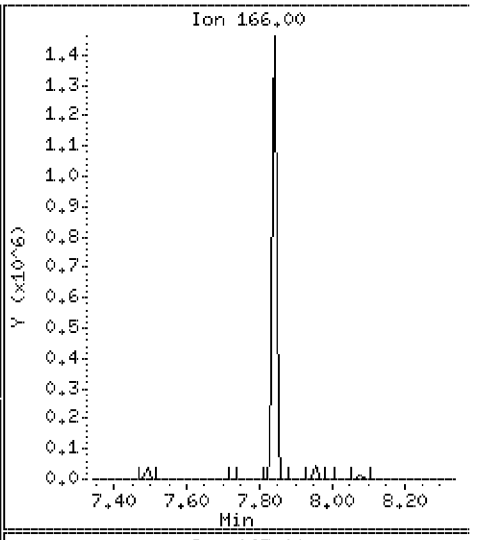
Concentration: 47.2 ug/l

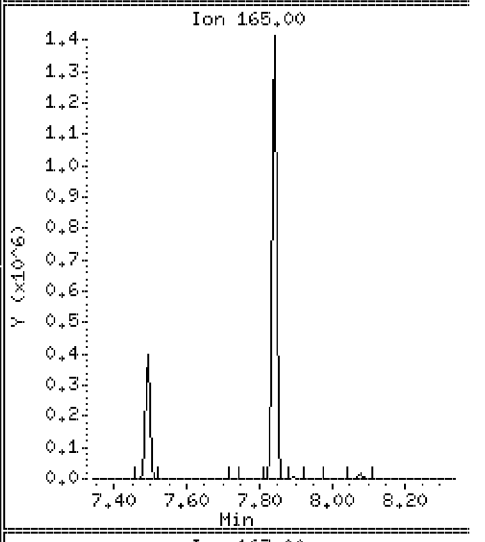


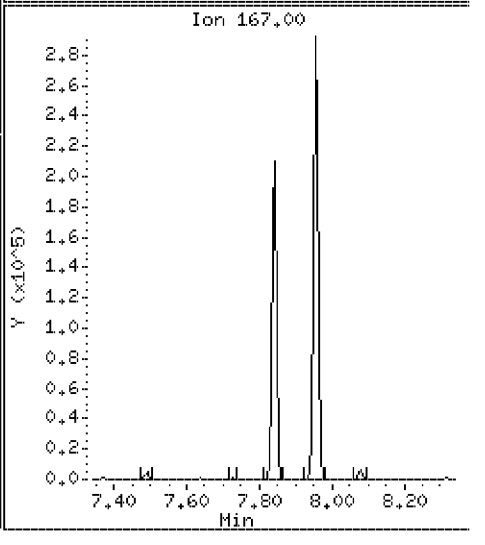












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

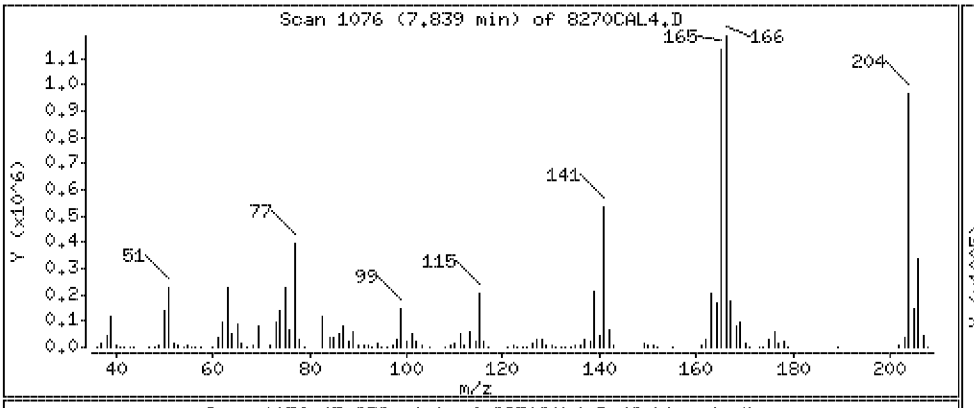
Operator: PEL

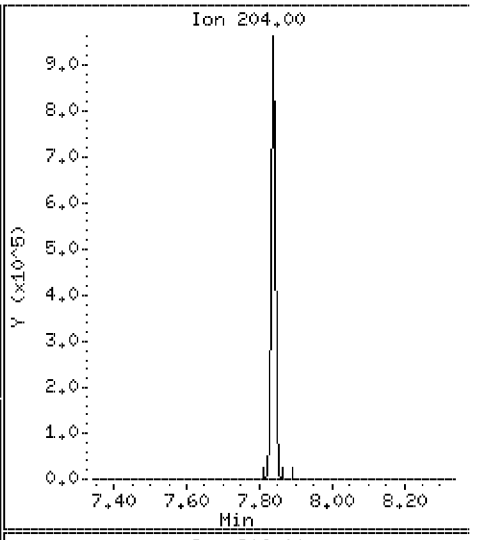
Column phase: HPMS-5

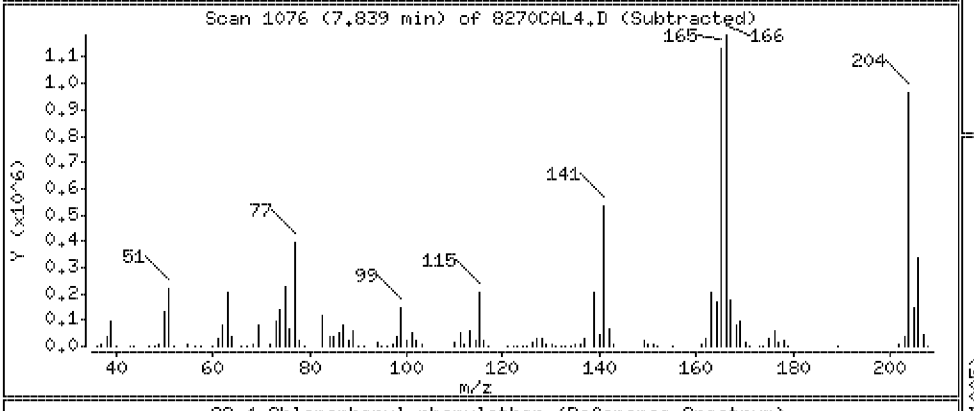
Column diameter: 0.25

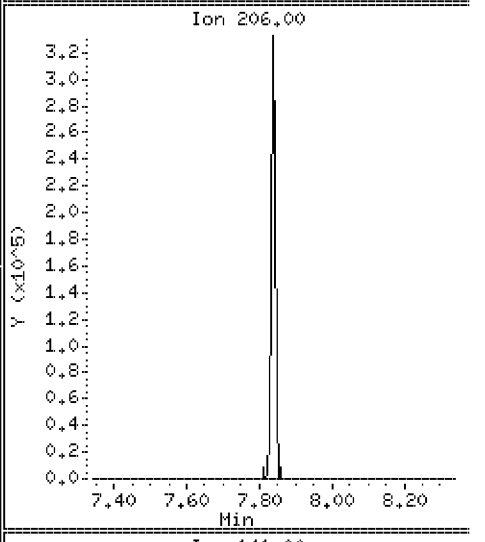
82 4-Chlorophenyl-phenylether

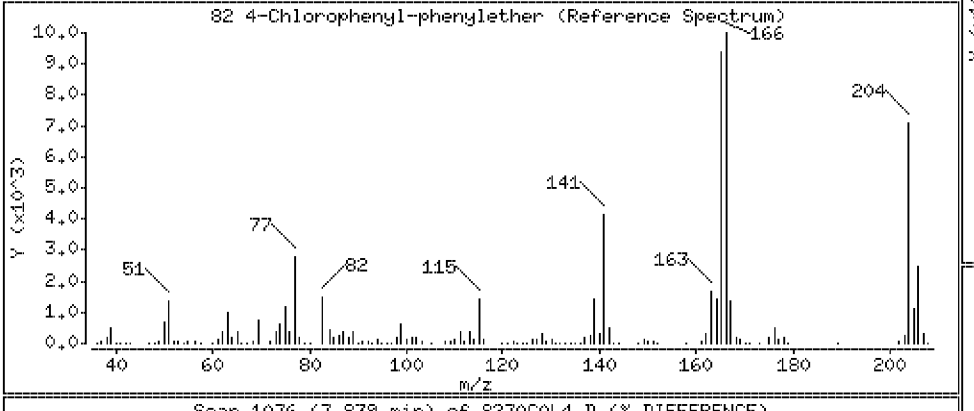
Concentration: 46.8 ug/l

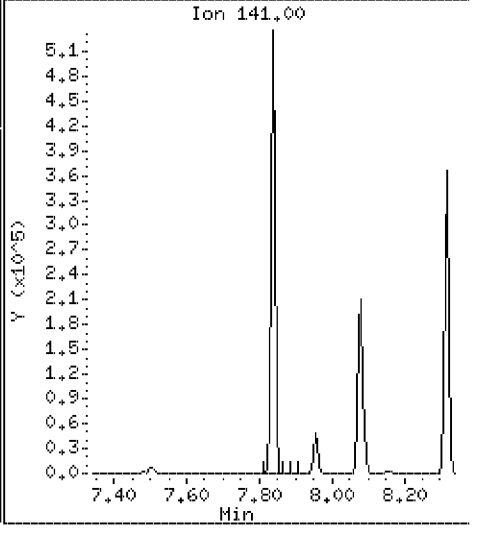


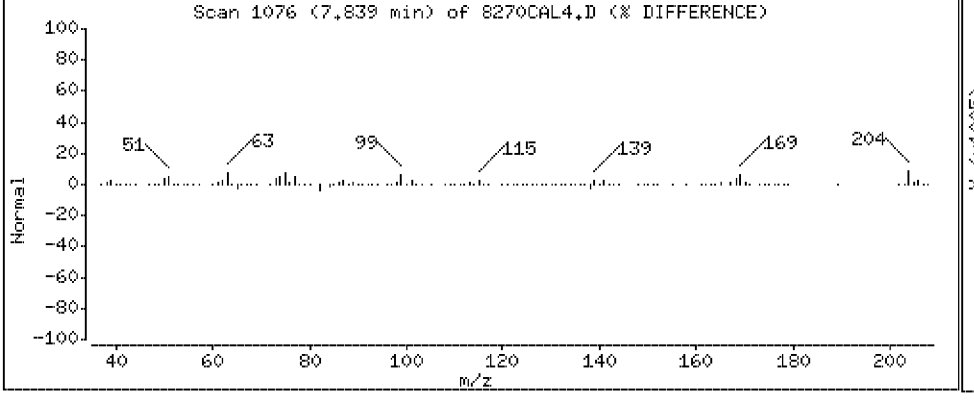












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

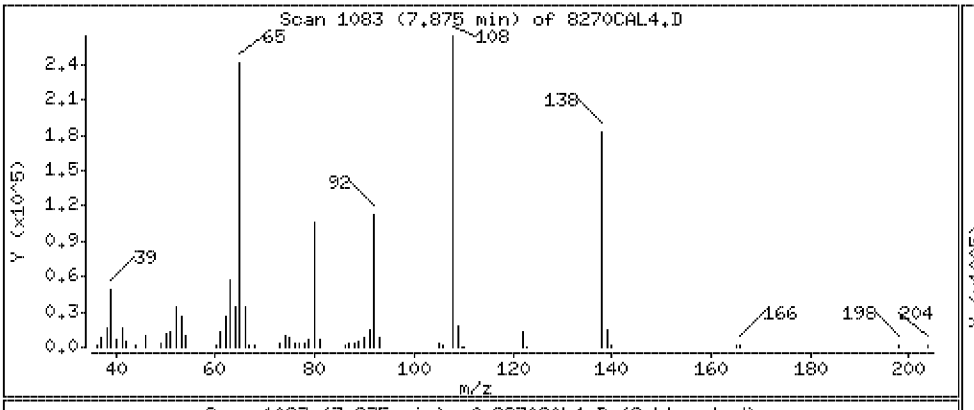
Operator: PEL

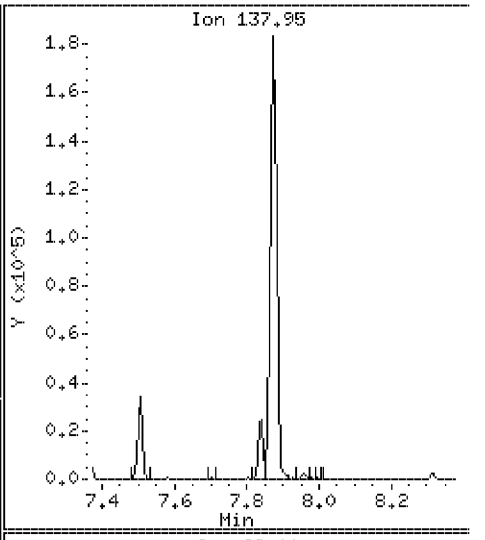
Column phase: HPMS-5

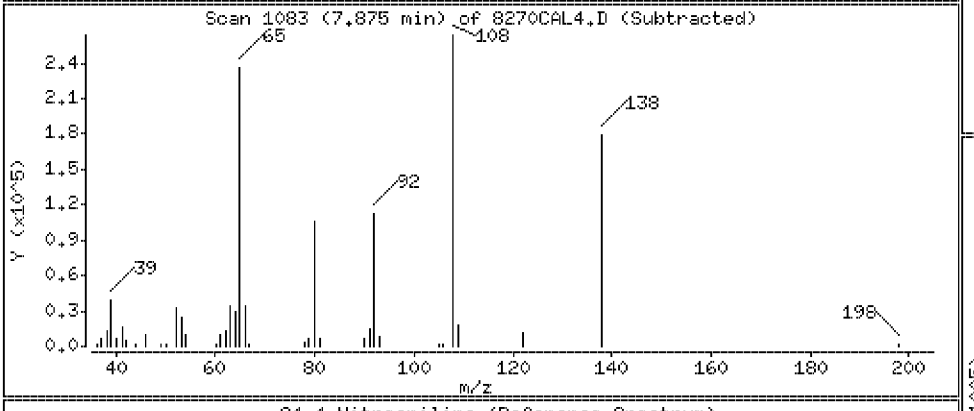
Column diameter: 0.25

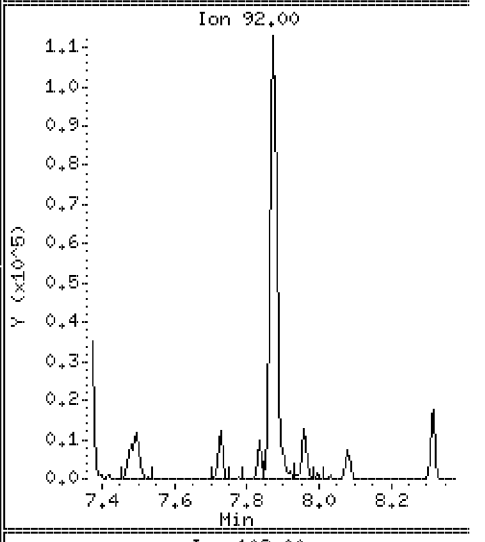
84 4-Nitroaniline

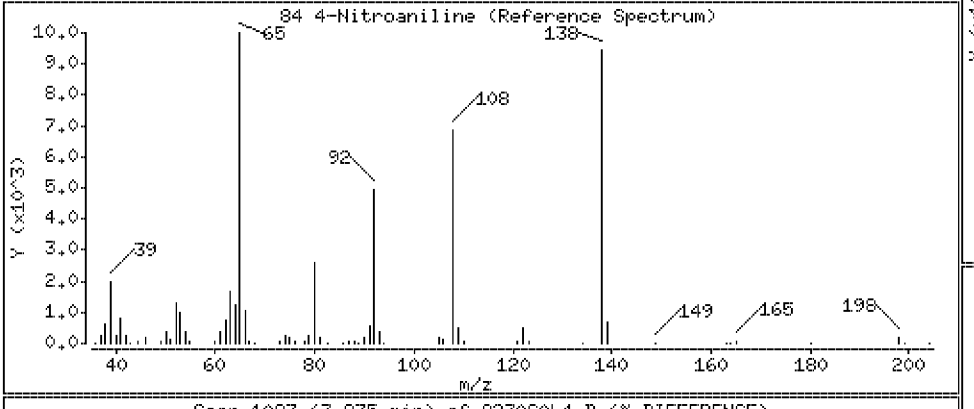
Concentration: 42.6 ug/l

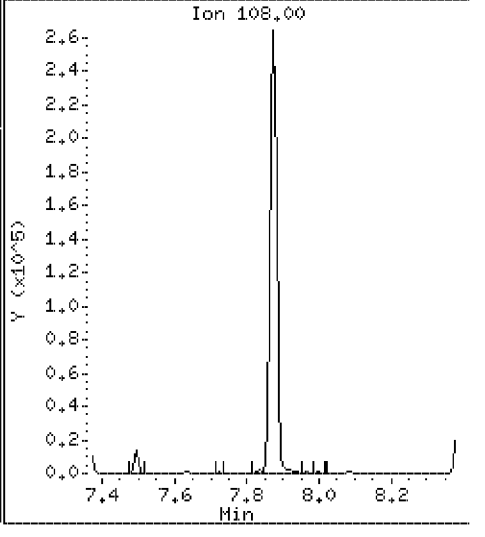


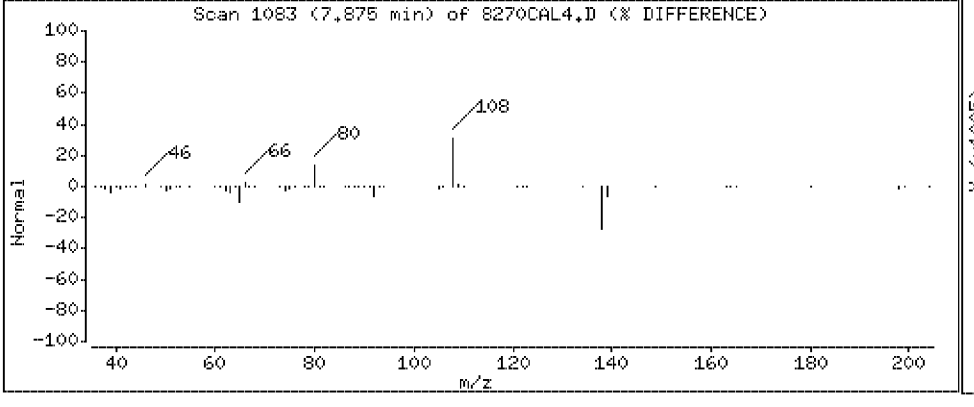












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

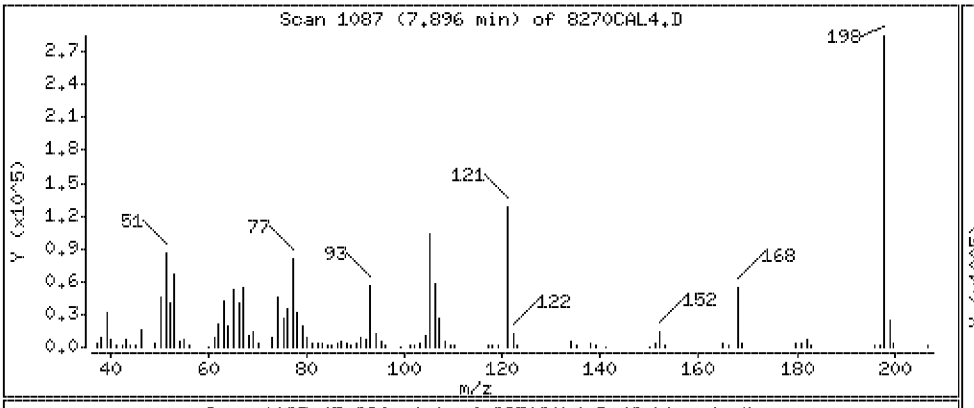
Operator: PEL

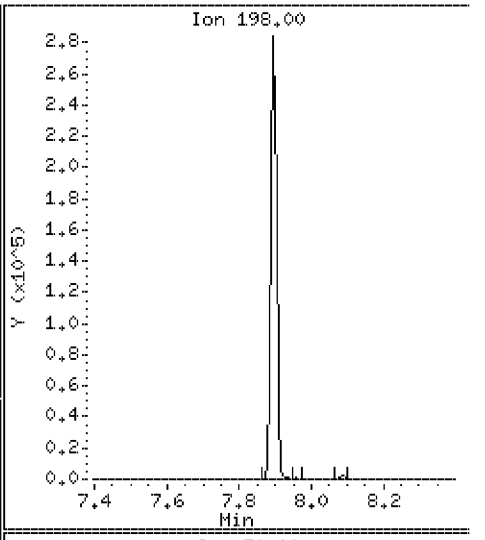
Column phase: HPMS-5

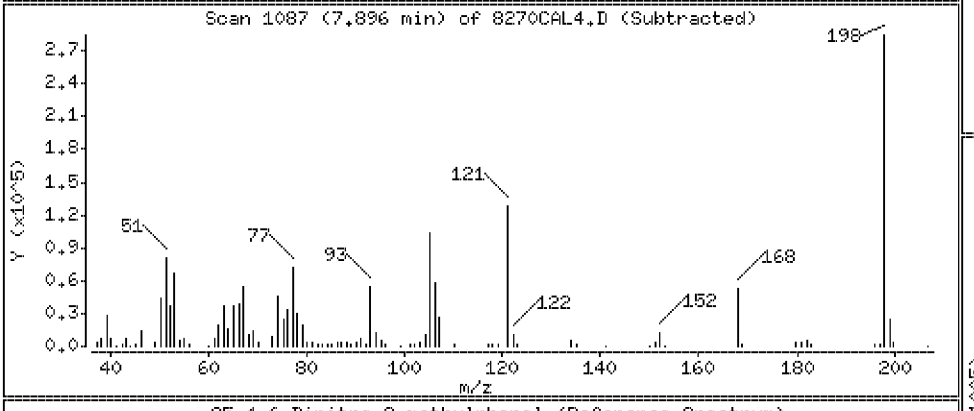
Column diameter: 0.25

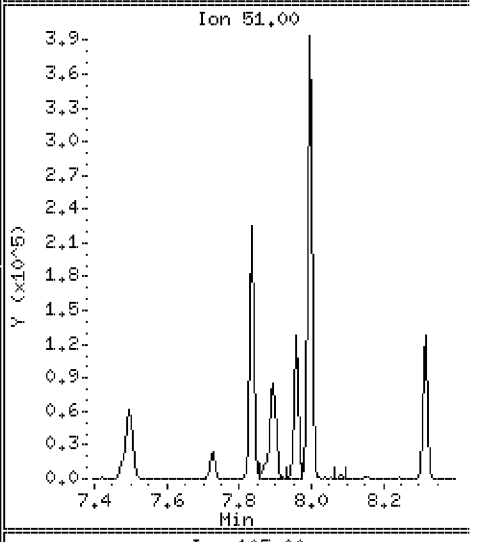
85 4,6-Dinitro-2-methylphenol

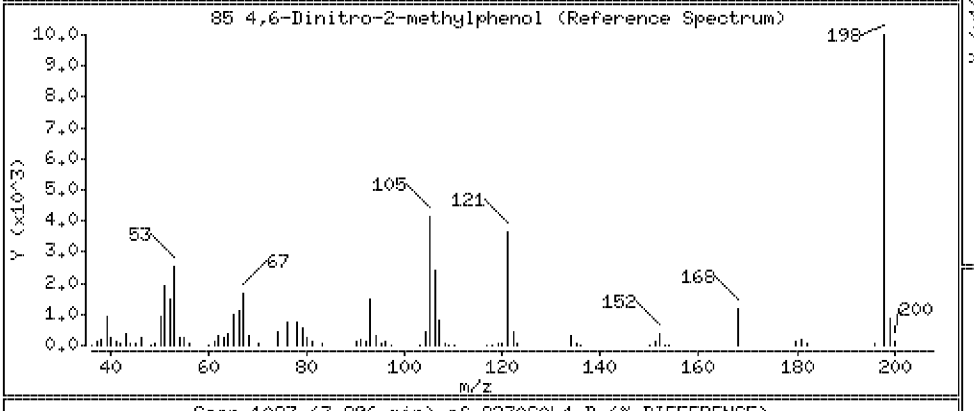
Concentration: 44.2 ug/l

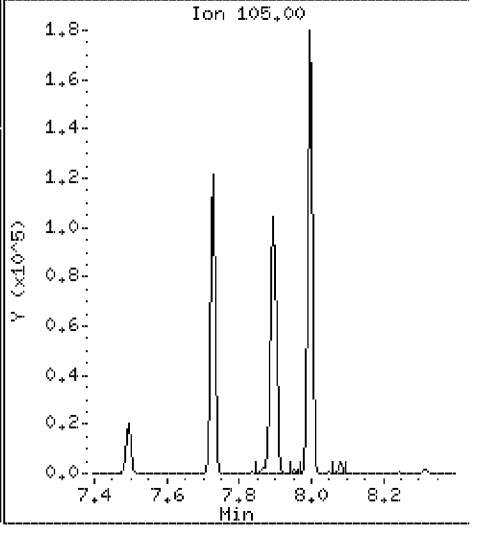


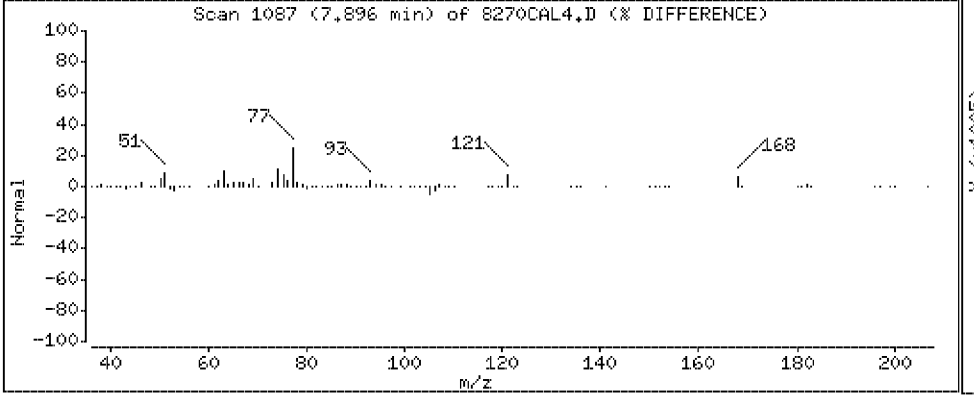












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

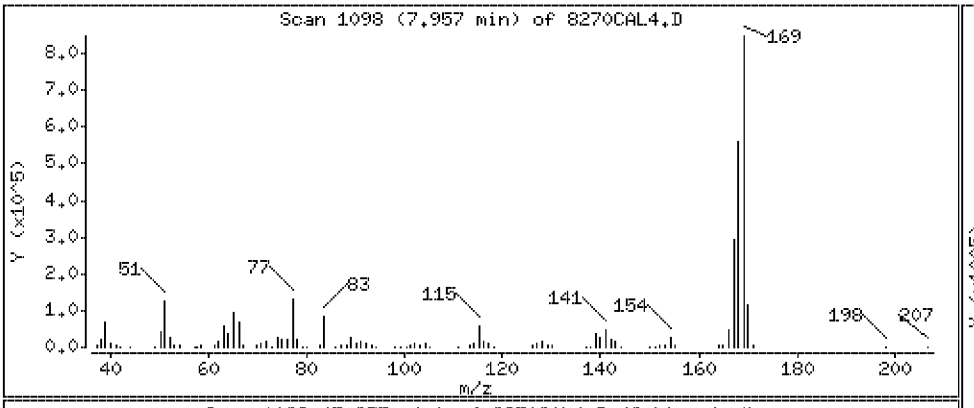
Operator: PEL

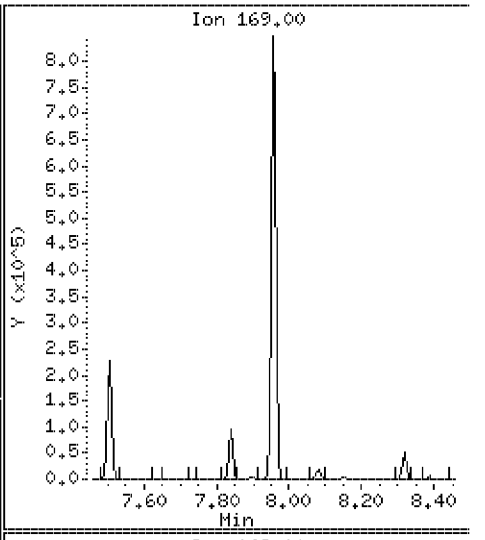
Column phase: HPMS-5

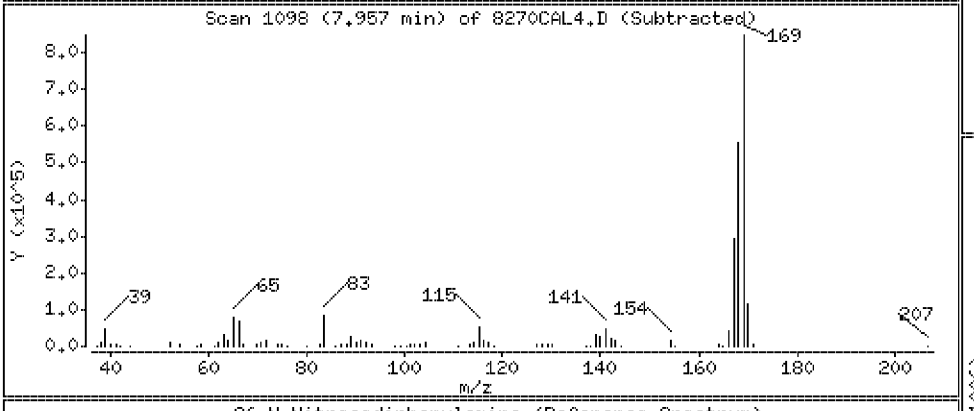
Column diameter: 0.25

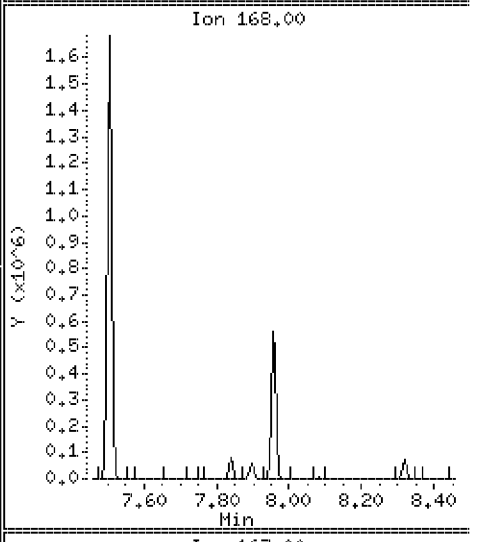
86 N-Nitrosodiphenylamine

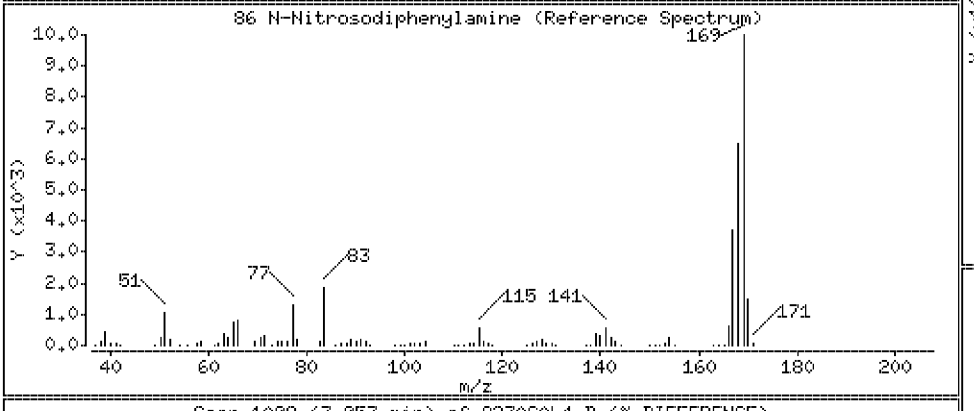
Concentration: 45.4 ug/l

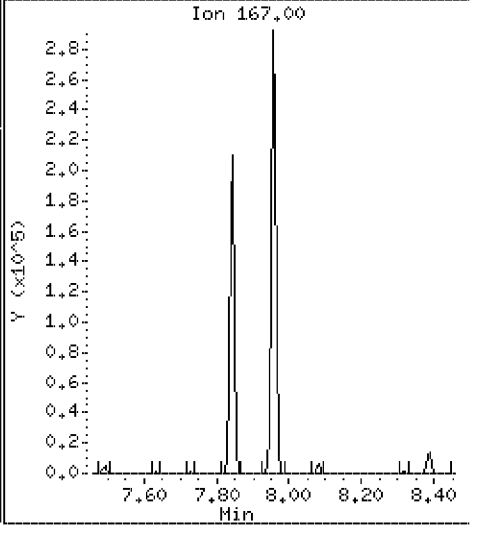


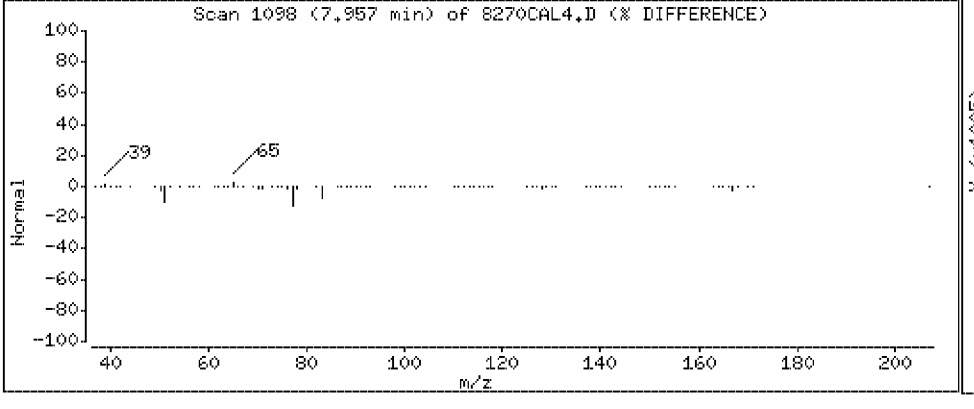












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

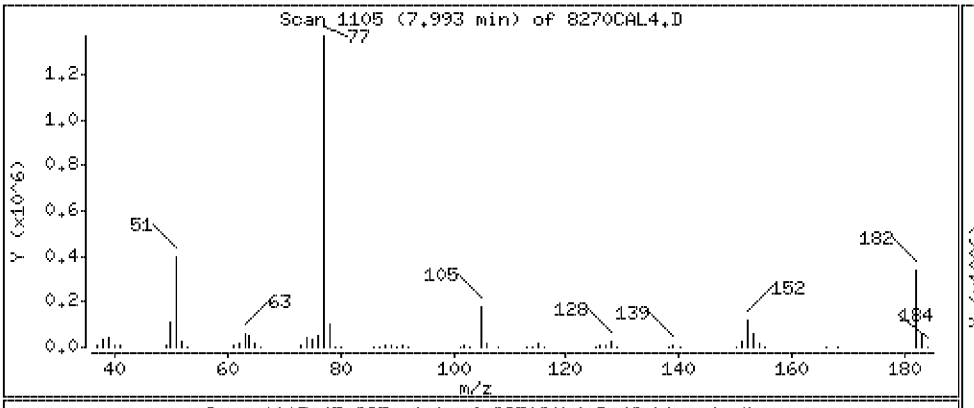
Operator: PEL

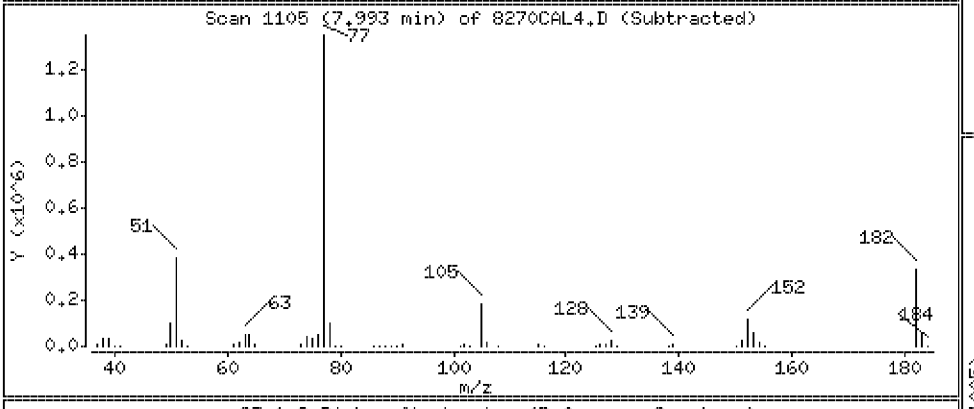
Column phase: HPMS-5

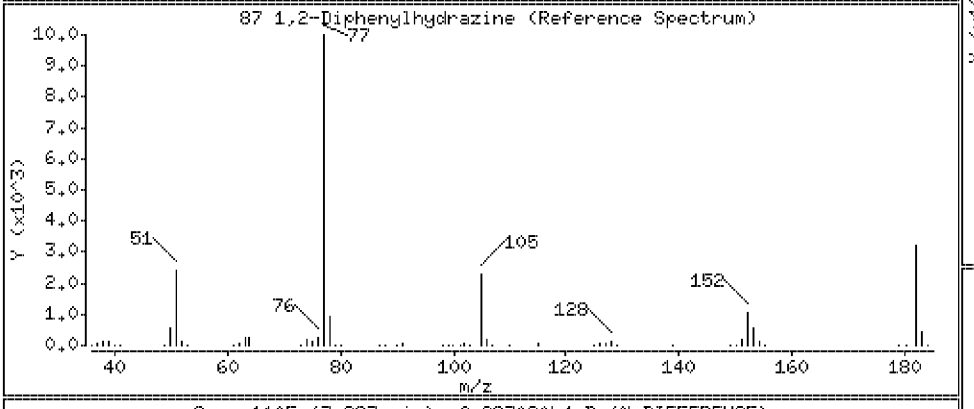
Column diameter: 0.25

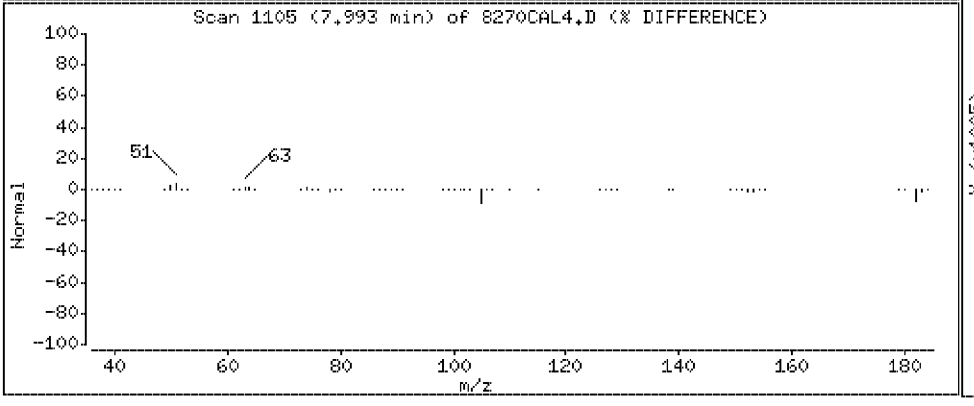
87 1,2-Diphenylhydrazine

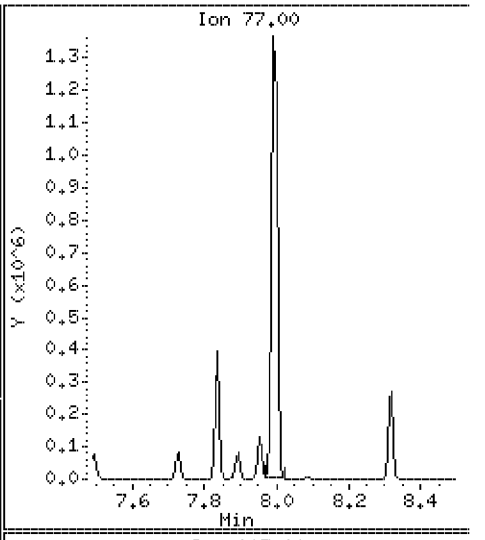
Concentration: 46.0 ug/l

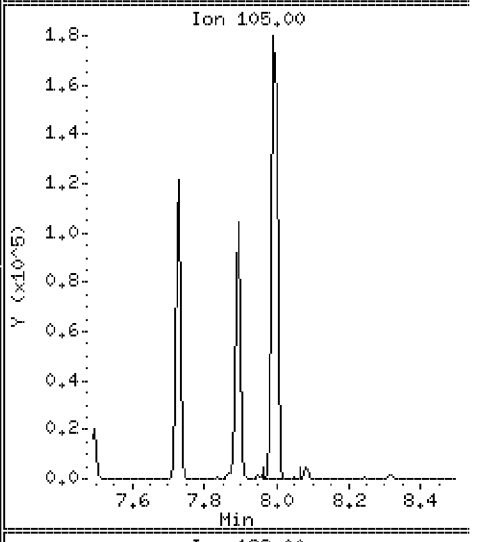


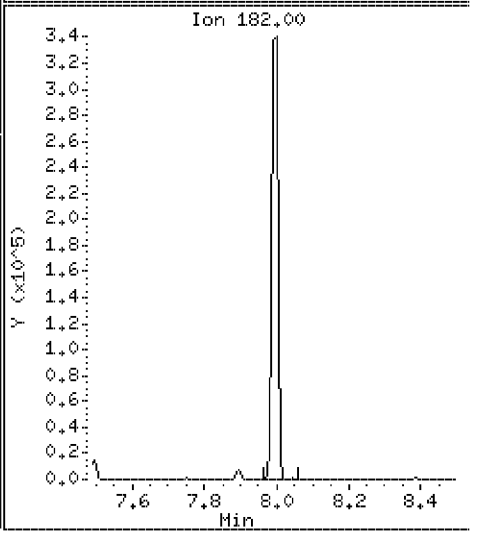












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

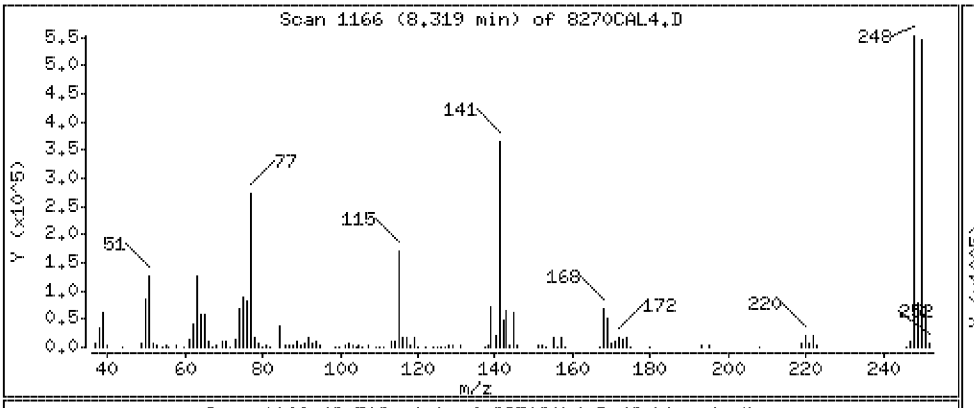
Operator: PEL

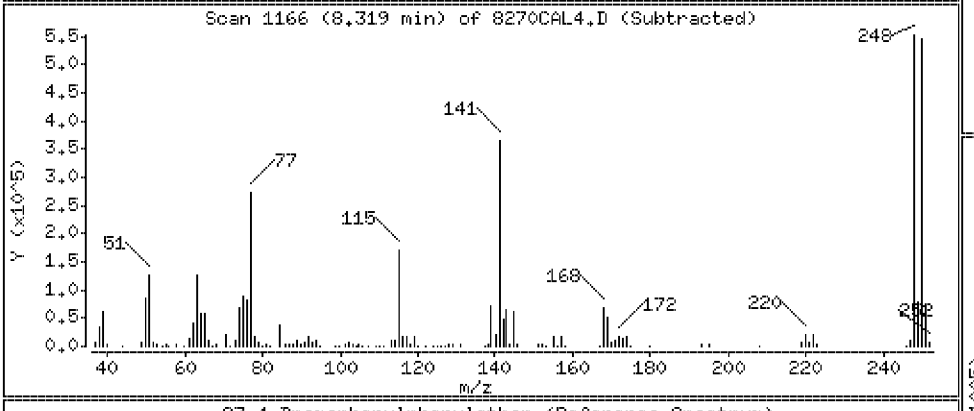
Column phase: HPMS-5

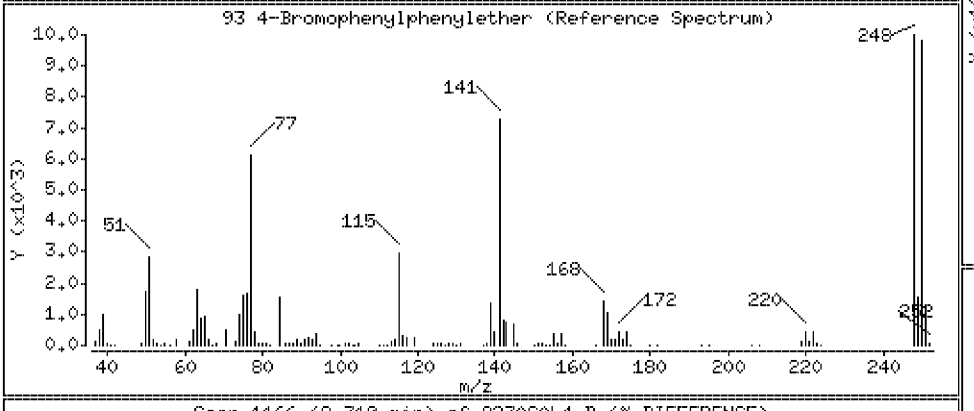
Column diameter: 0.25

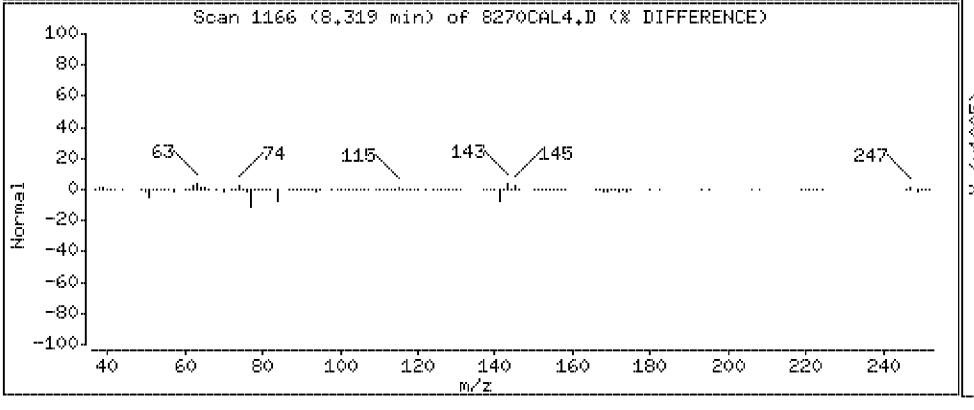
93 4-Bromophenylphenylether

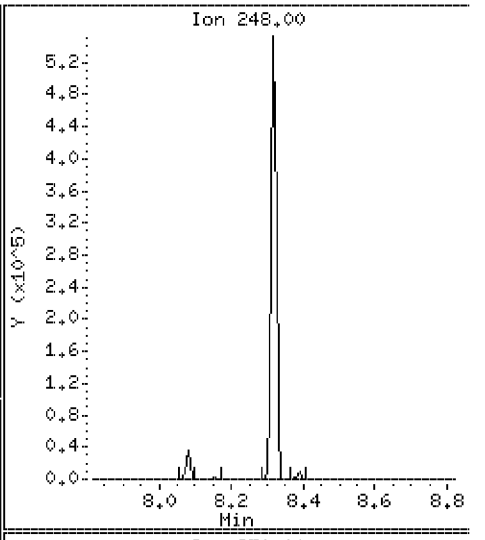
Concentration: 46.3 ug/l

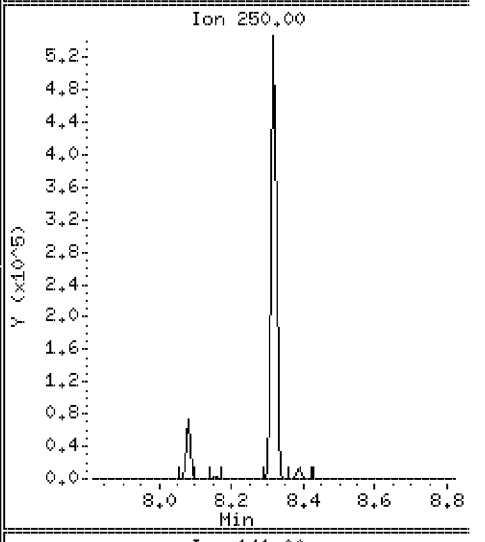


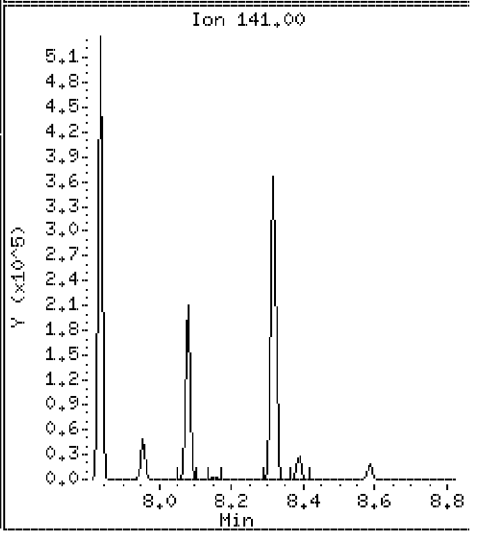












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

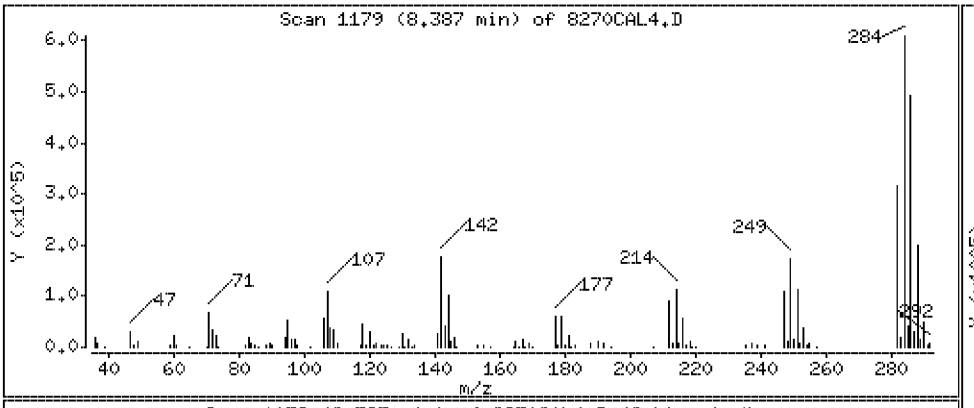
Operator: PEL

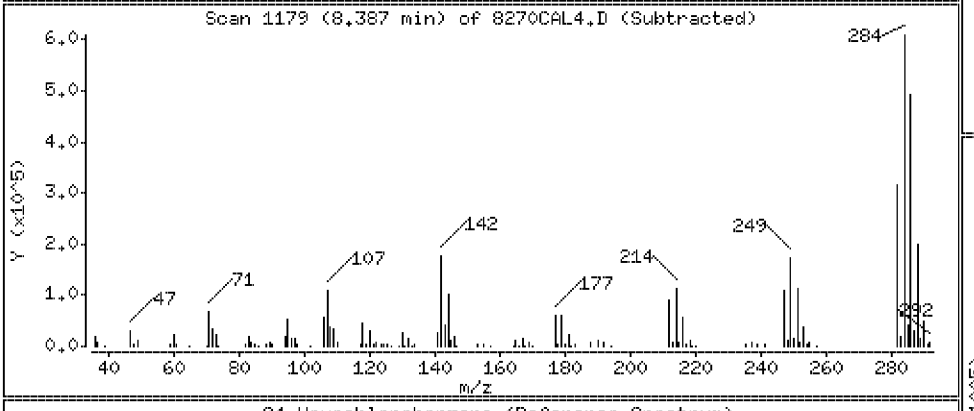
Column phase: HPMS-5

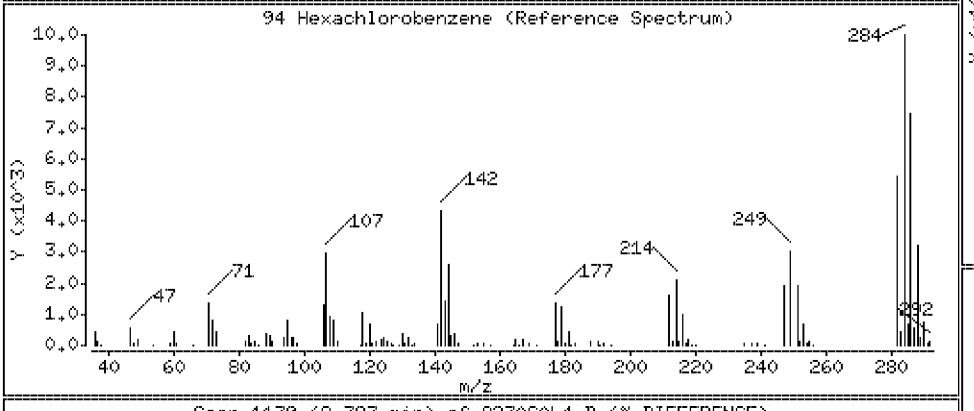
Column diameter: 0.25

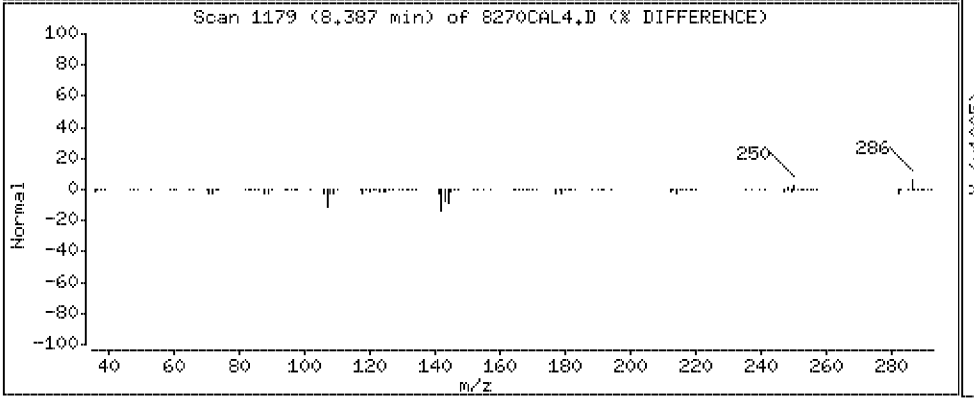
94 Hexachlorobenzene

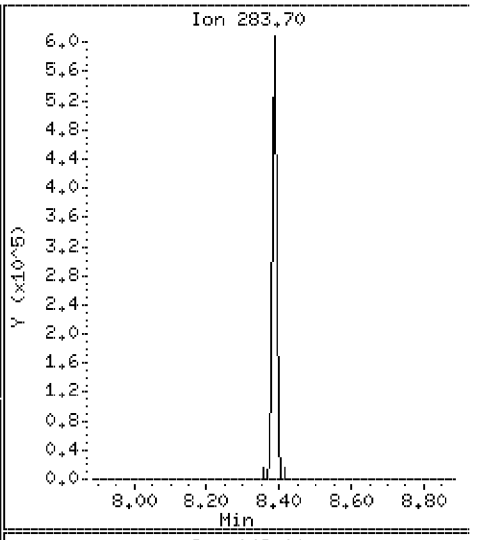
Concentration: 46.1 ug/l

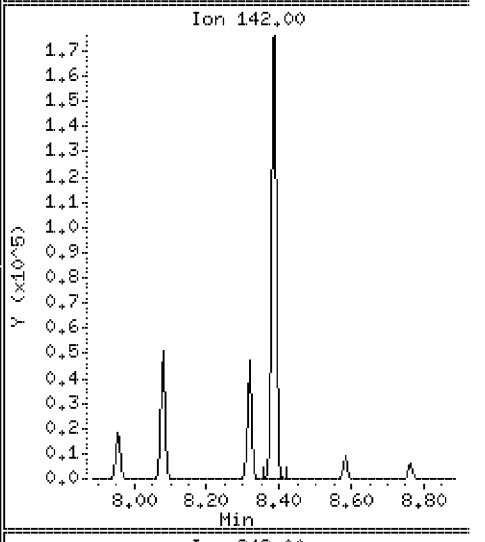


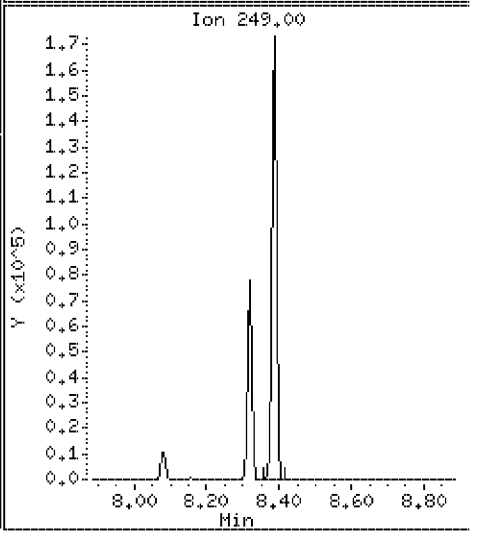












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

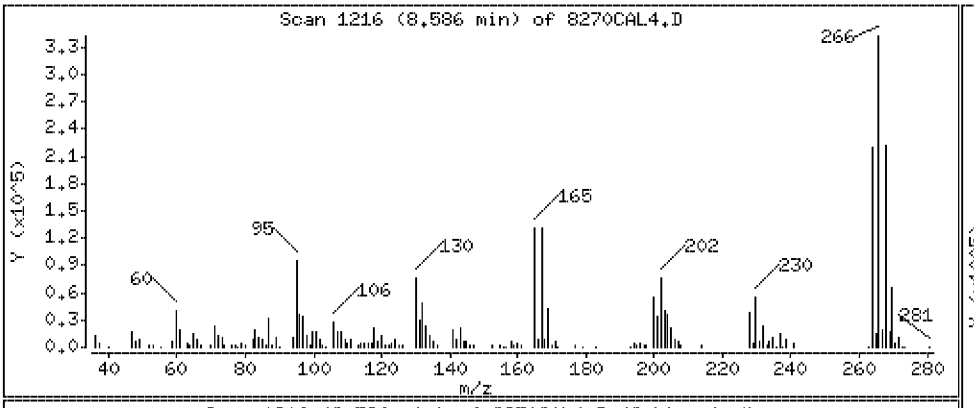
Operator: PEL

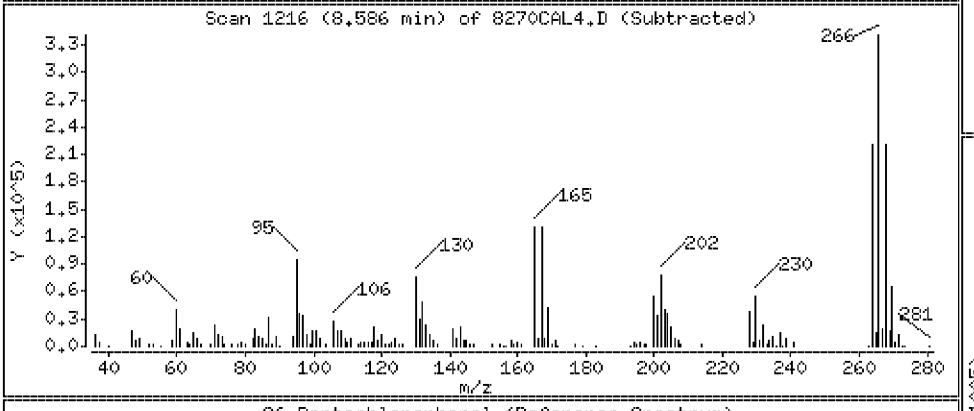
Column phase: HPMS-5

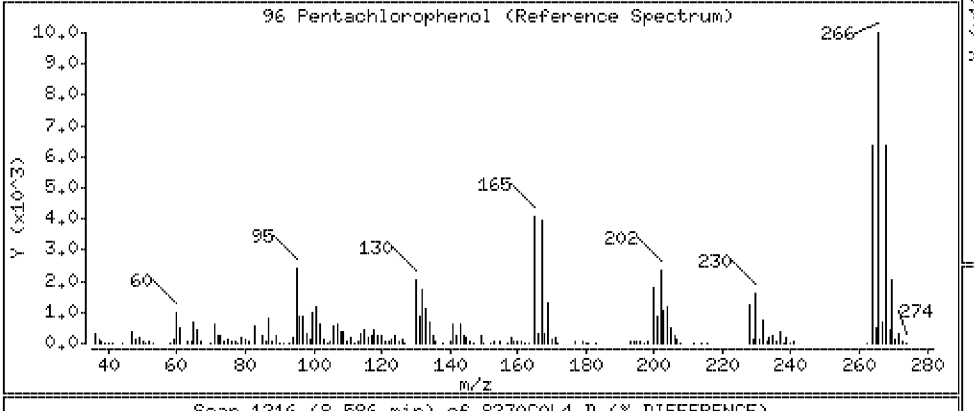
Column diameter: 0.25

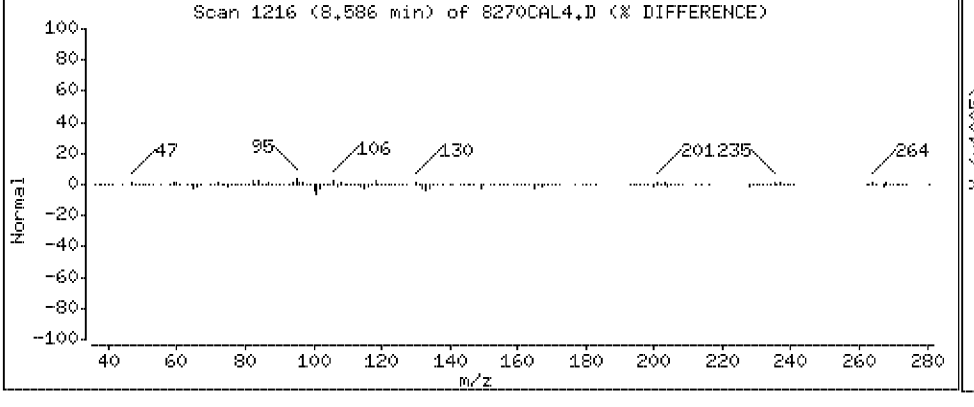
96 Pentachlorophenol

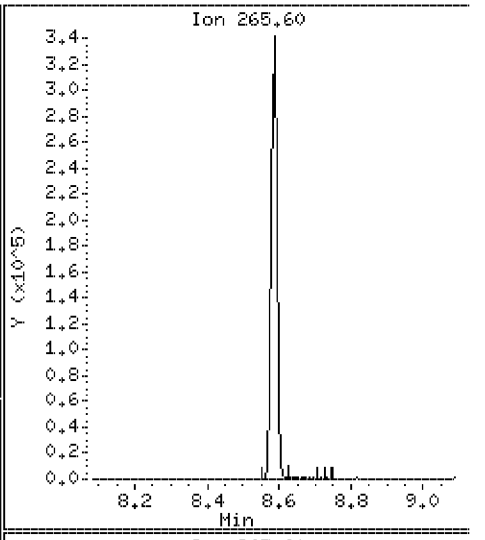
Concentration: 46.6 ug/l

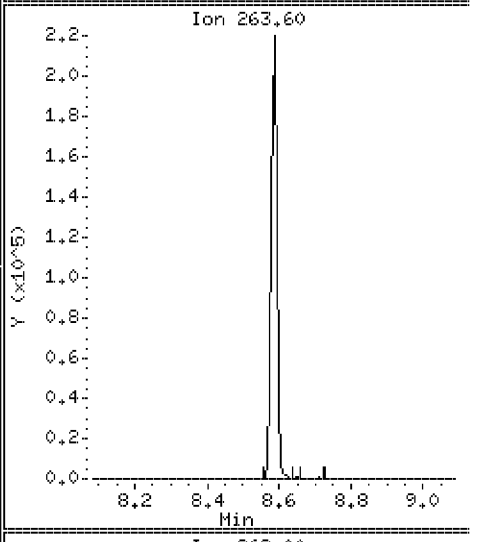


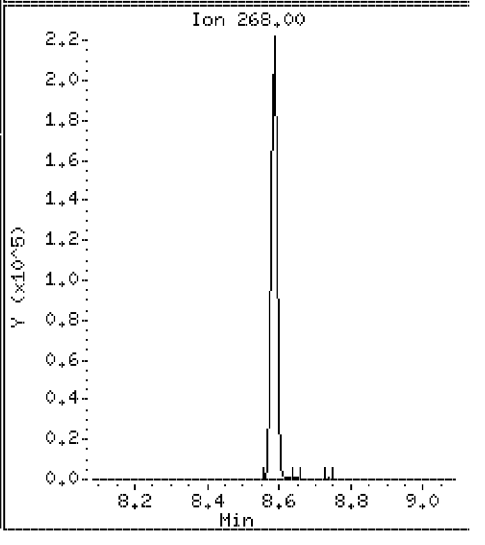












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

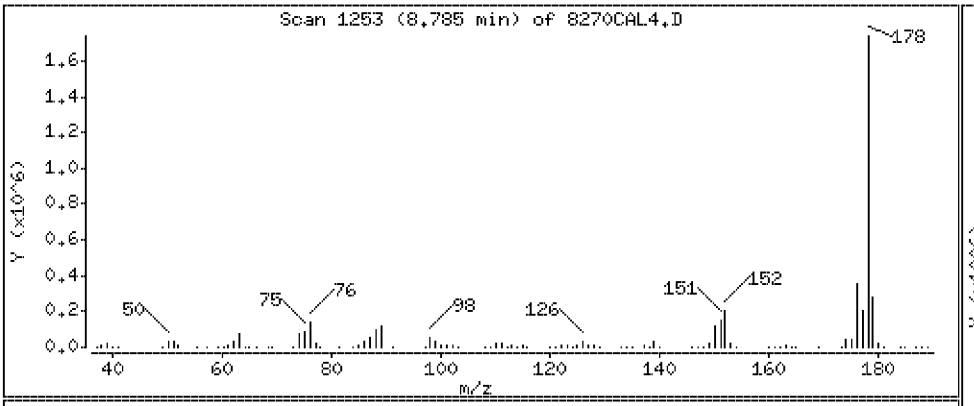
Client ID: 8270CAL4 Instrument: smsd03.i

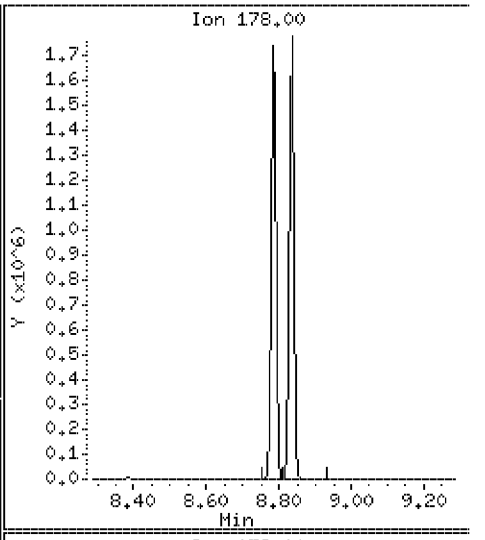
Sample Info: 45924

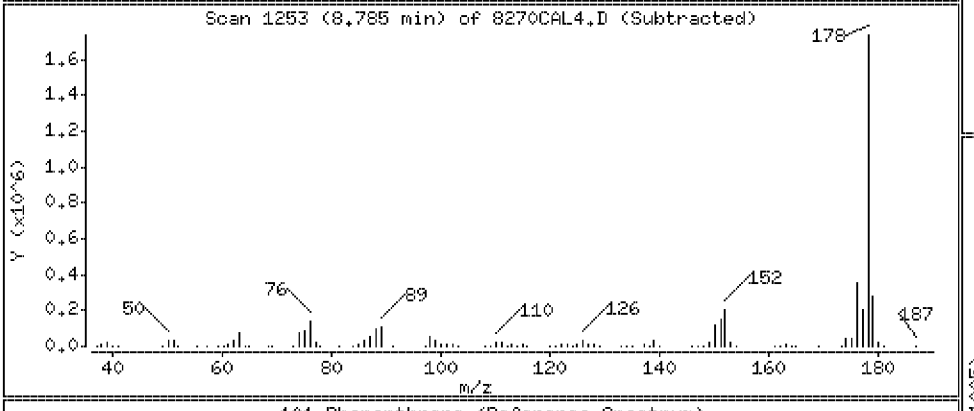
Purge Volume: 1000.0 Operator: PEL

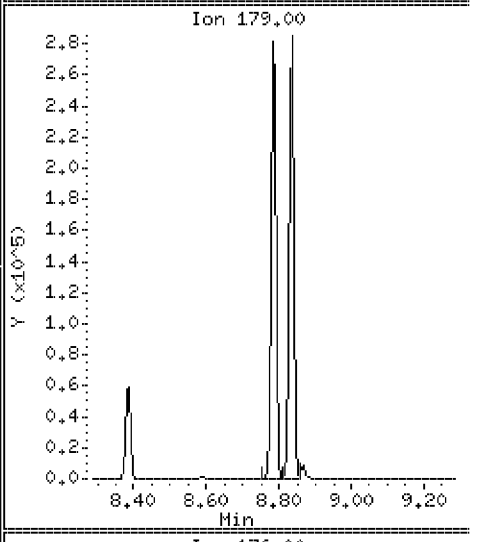
Column phase: HPMS-5 Column diameter: 0.25

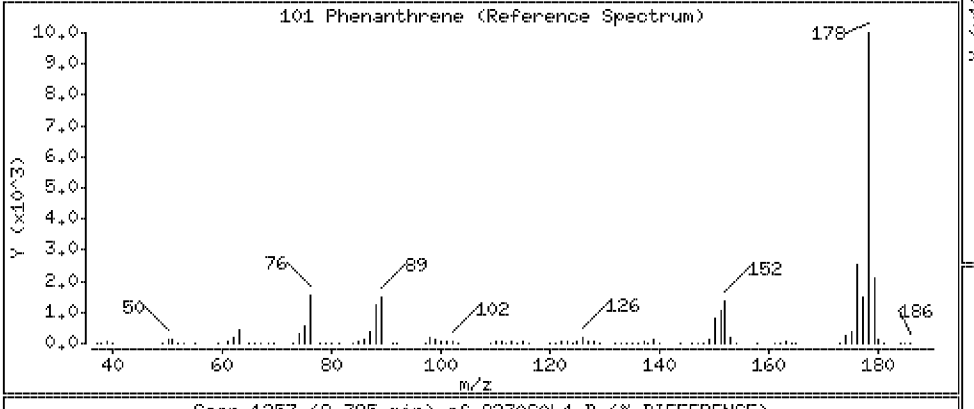
101 Phenanthrene Concentration: 47.2 ug/l

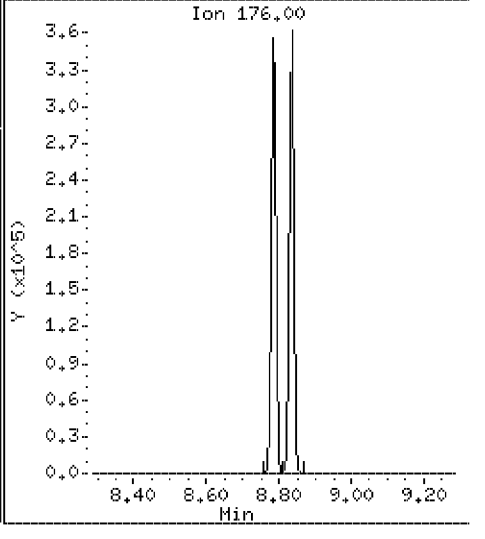


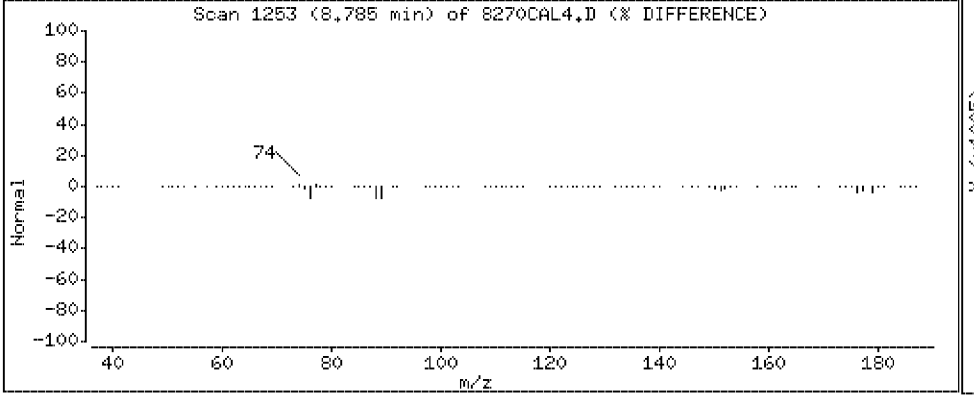












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

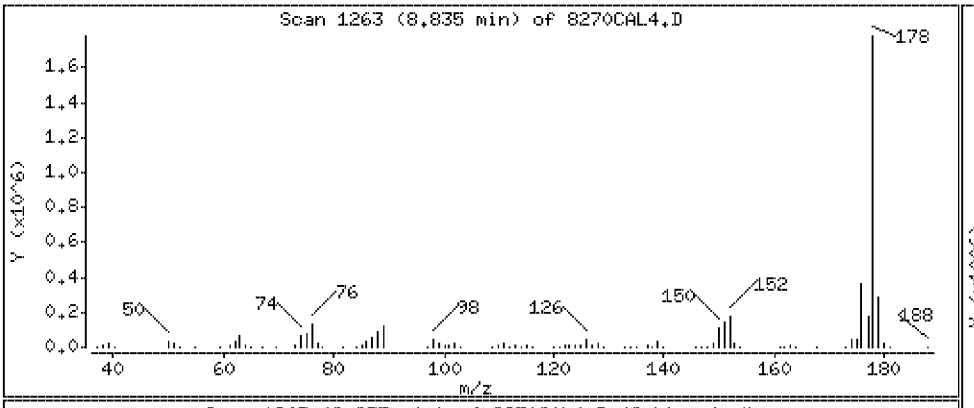
Operator: PEL

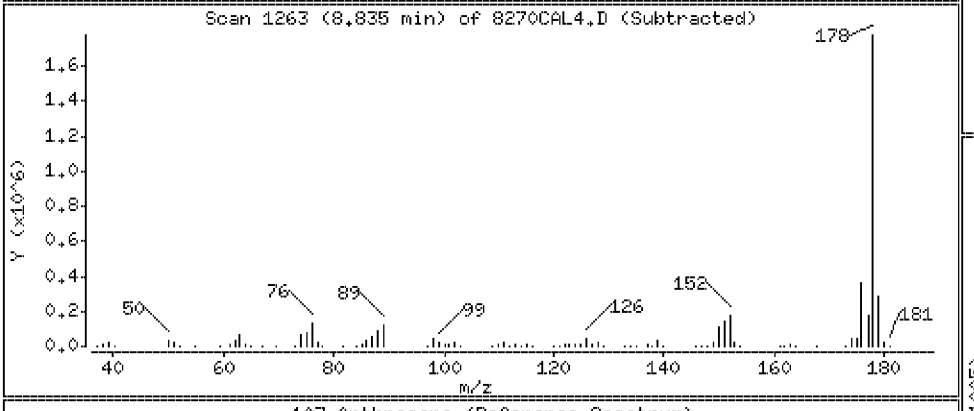
Column phase: HPMS-5

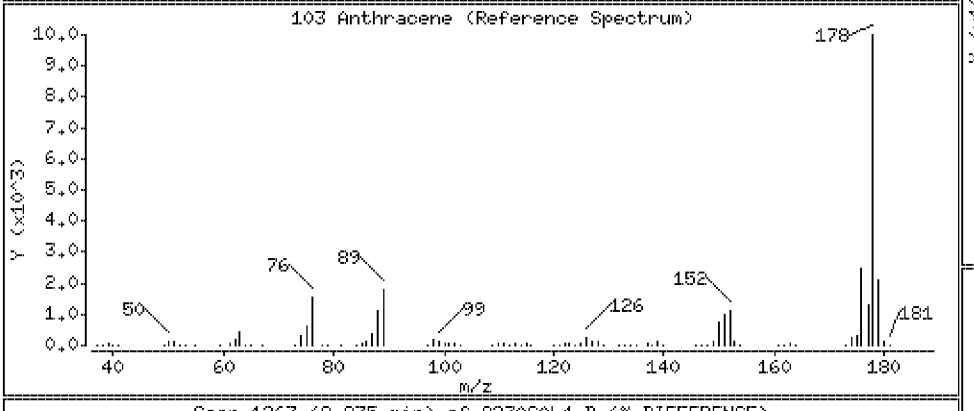
Column diameter: 0.25

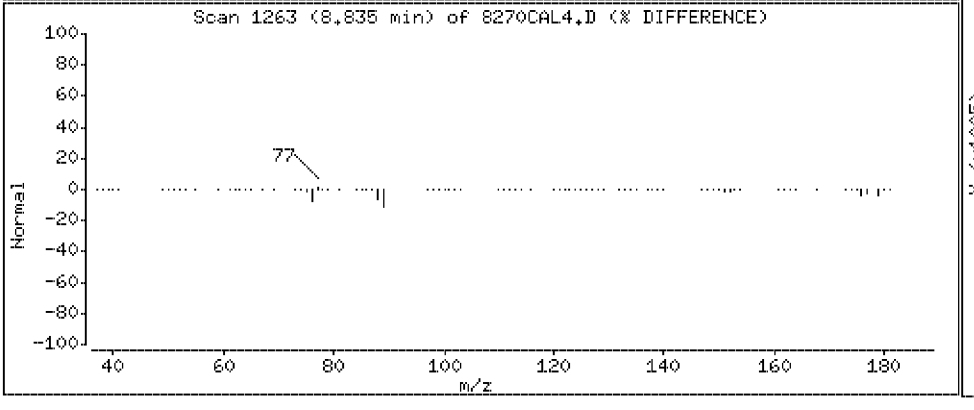
103 Anthracene

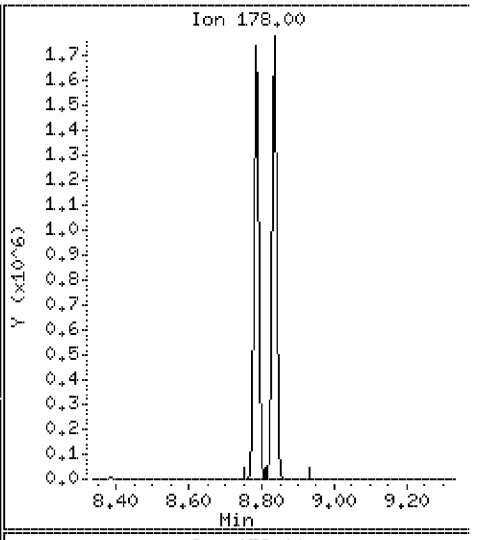
Concentration: 47.2 ug/l

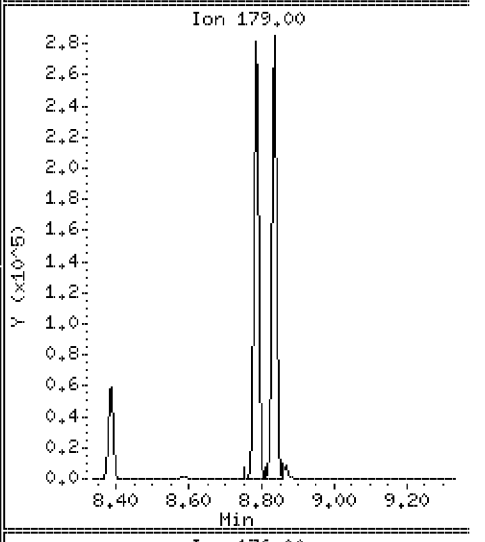


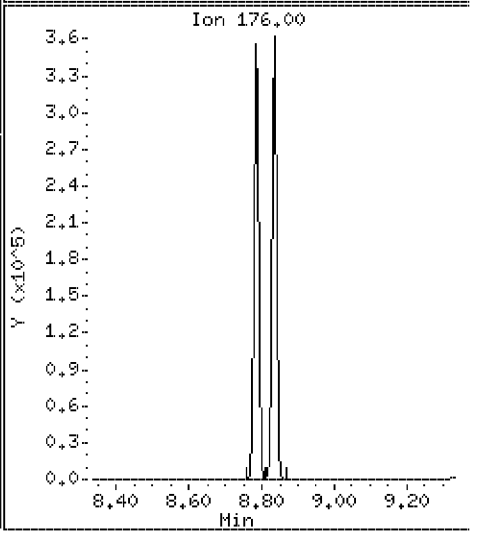












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

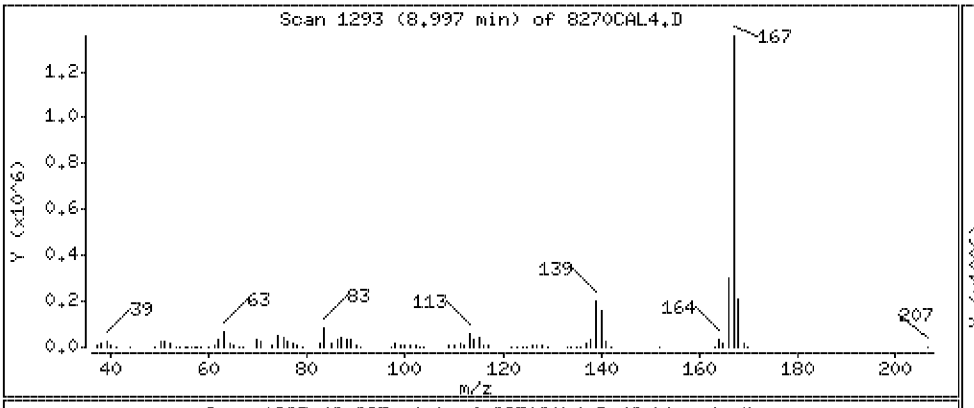
Operator: PEL

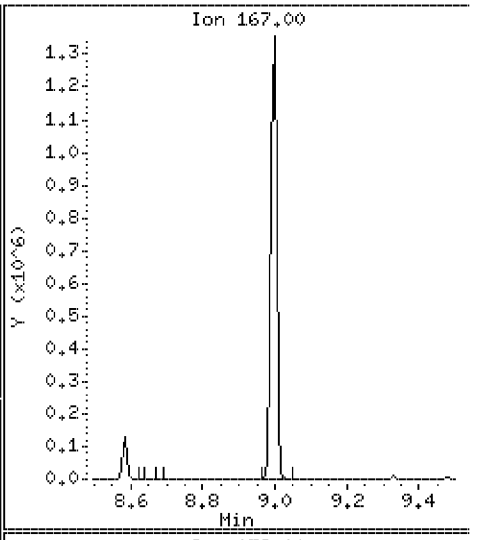
Column phase: HPMS-5

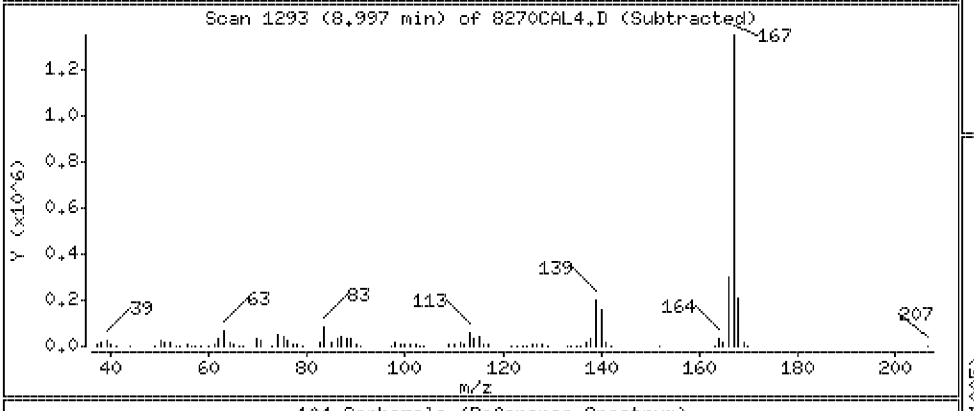
Column diameter: 0.25

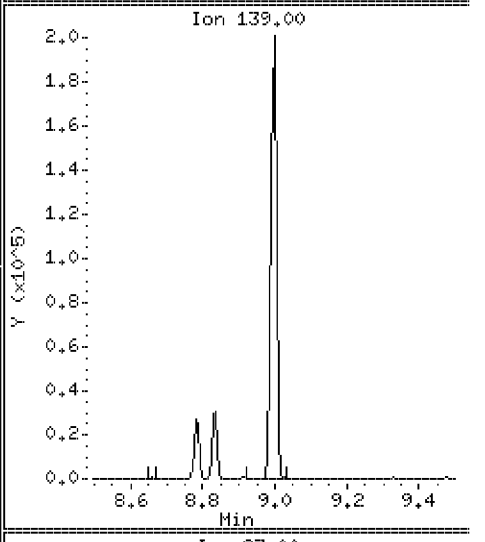
104 Carbazole

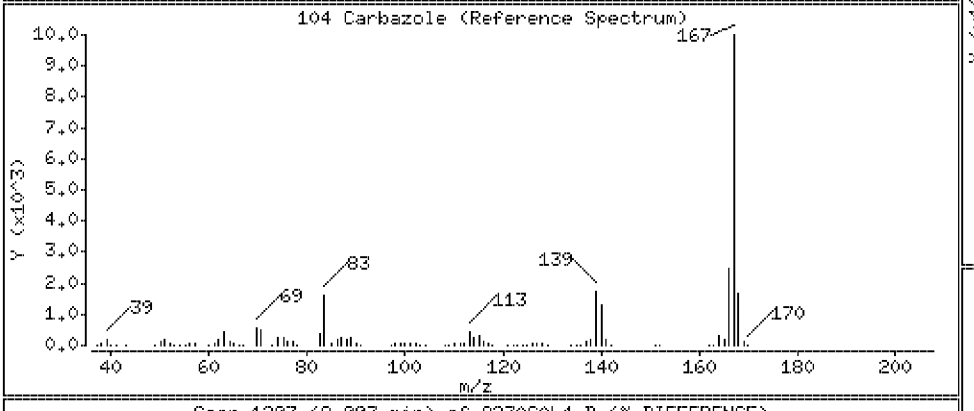
Concentration: 44.5 ug/l

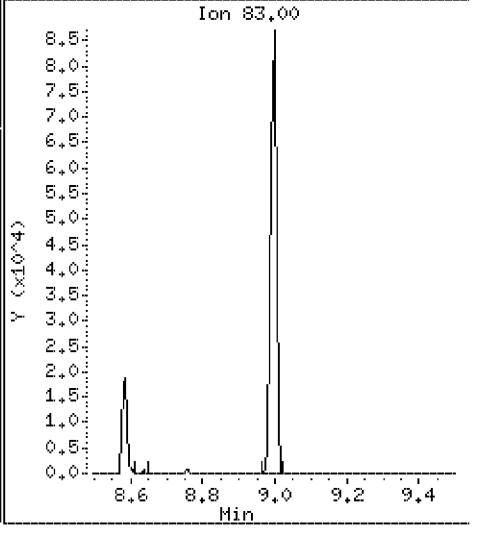


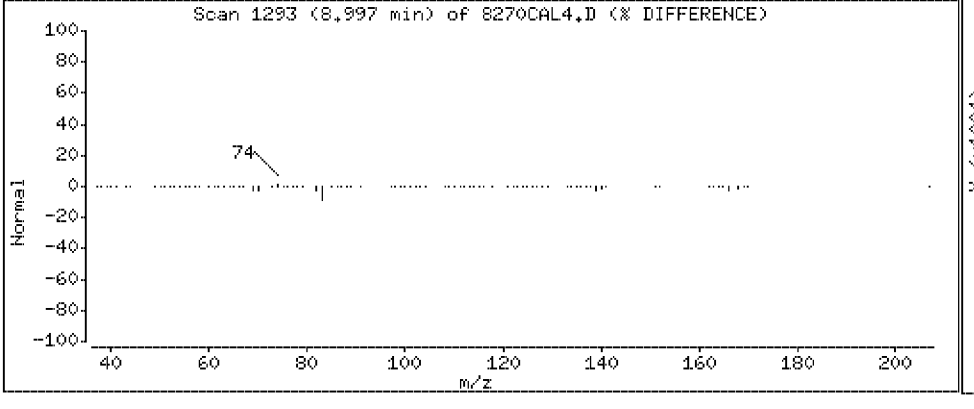












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

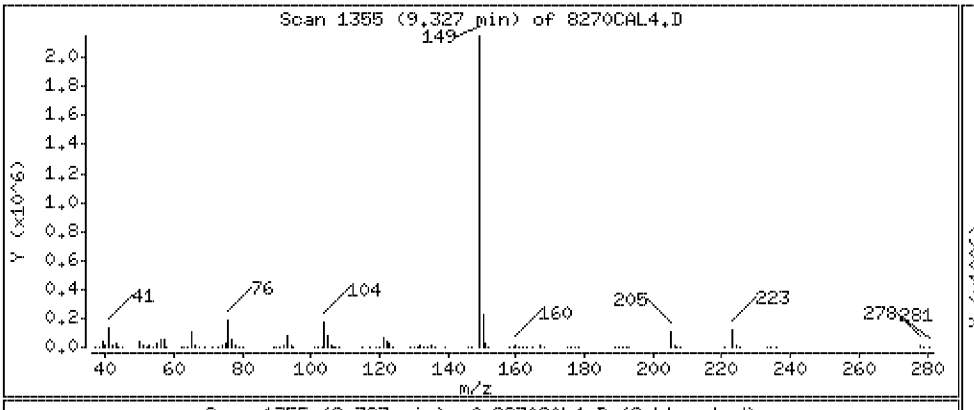
Operator: PEL

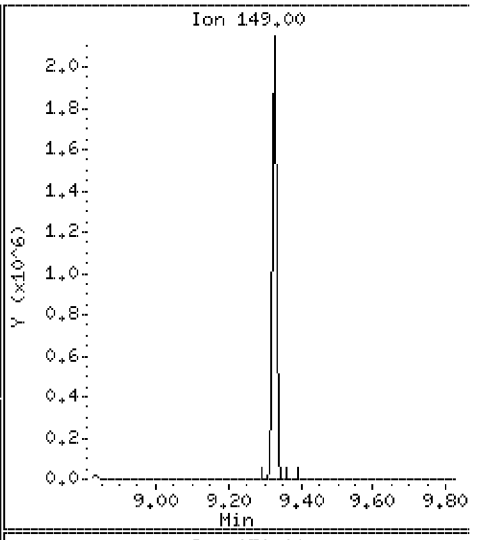
Column phase: HPMS-5

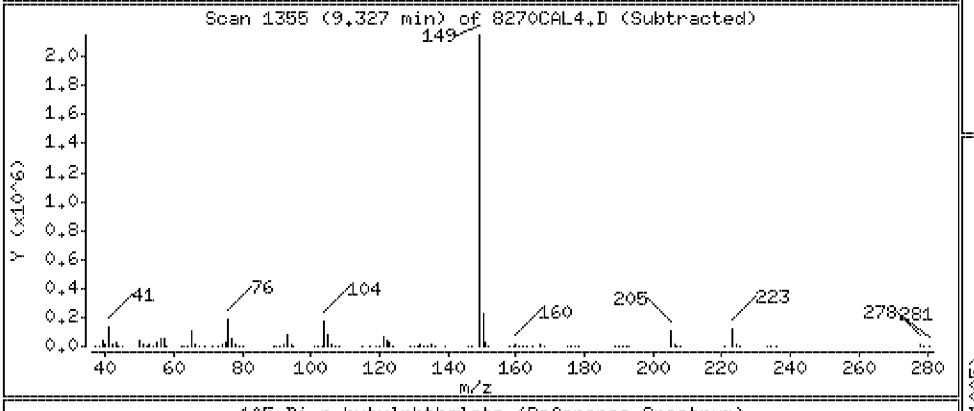
Column diameter: 0.25

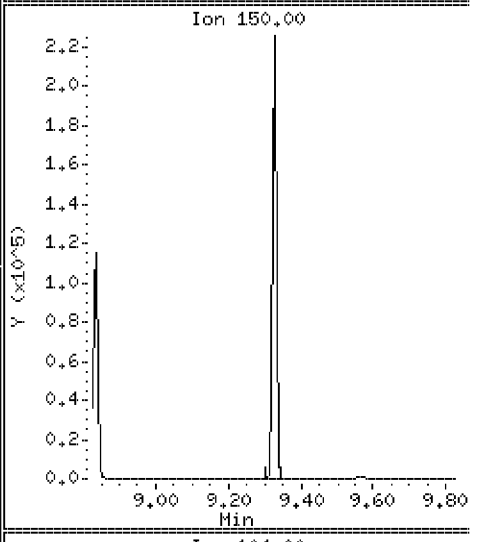
105 Di-n-butylphthalate

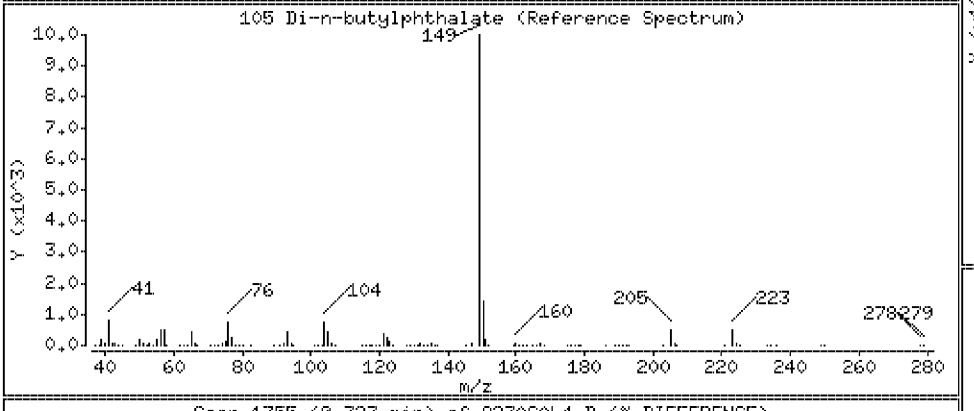
Concentration: 47.6 ug/l

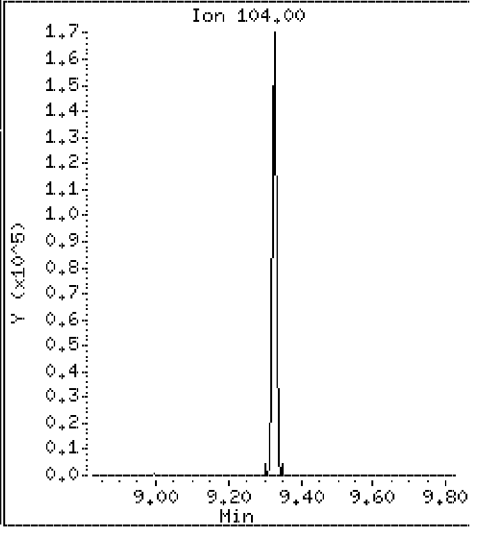


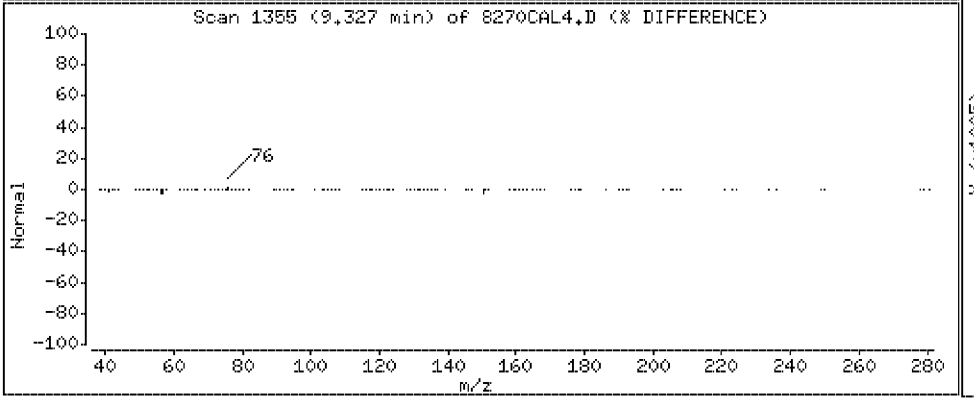












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

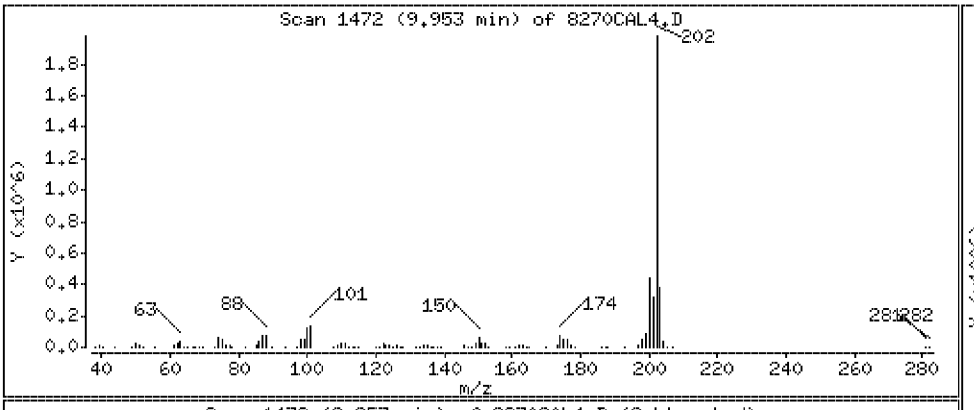
Operator: PEL

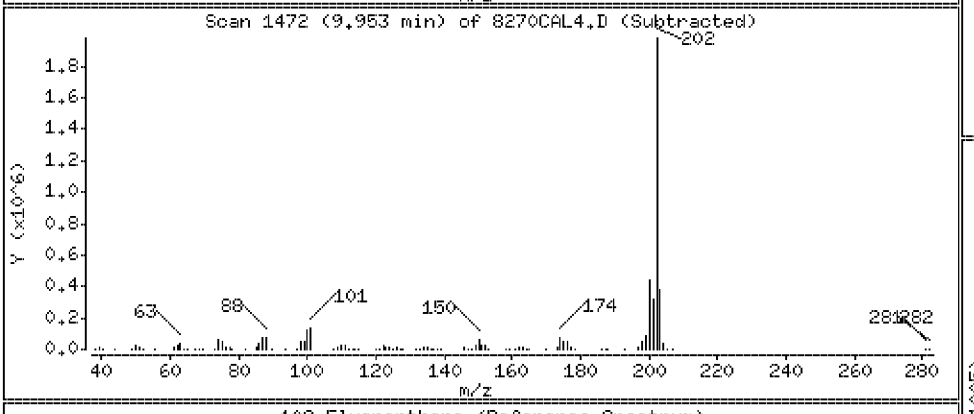
Column phase: HPMS-5

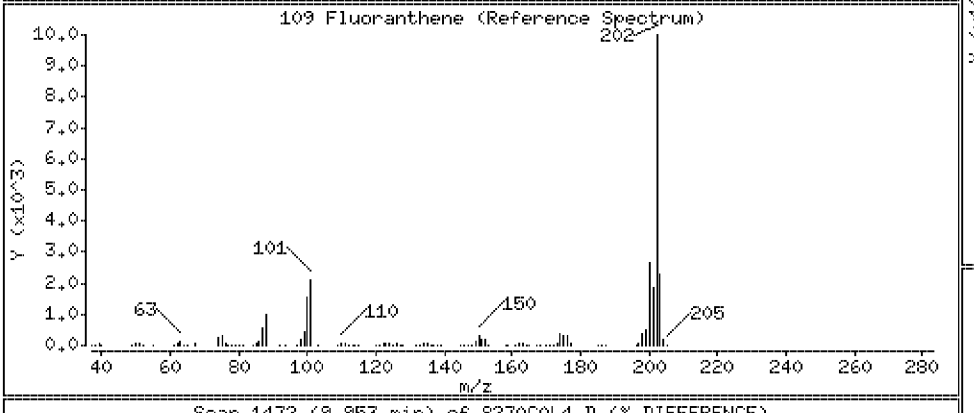
Column diameter: 0.25

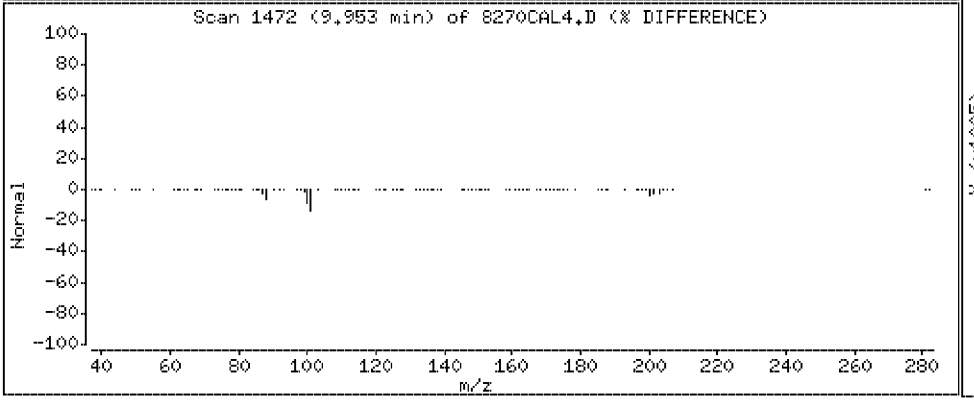
109 Fluoranthene

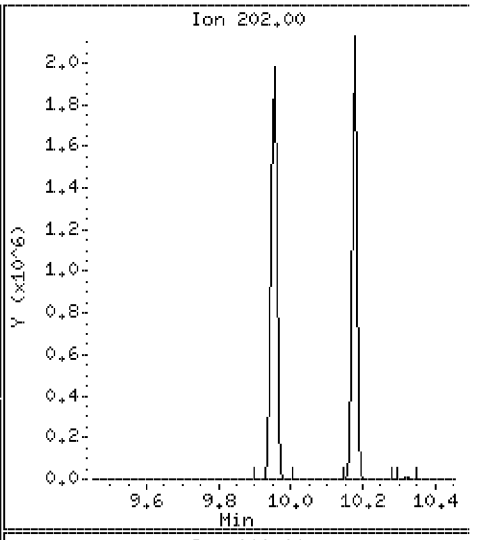
Concentration: 46.1 ug/l

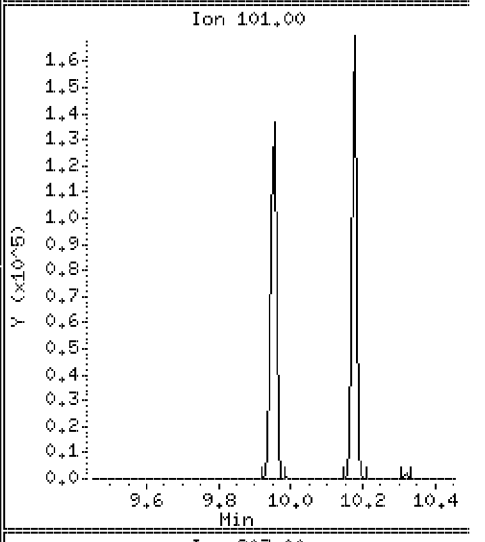


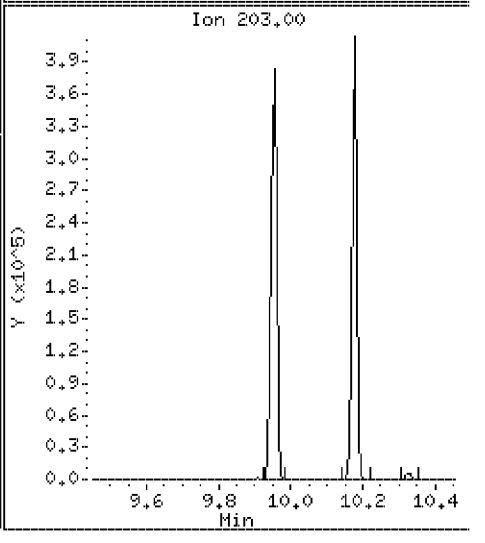












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

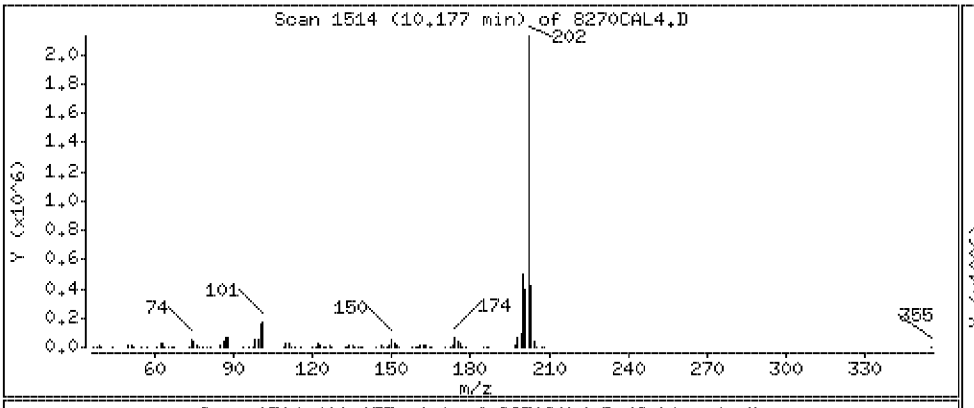
Operator: PEL

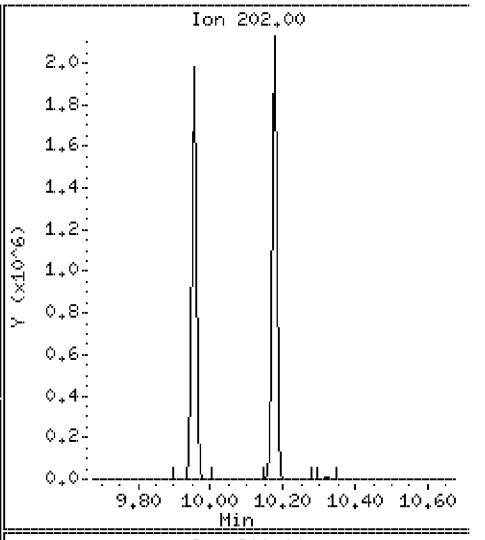
Column phase: HPMS-5

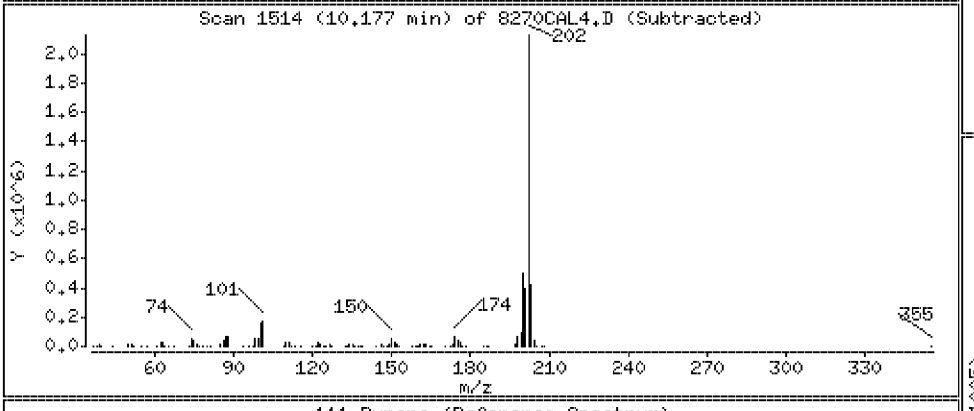
Column diameter: 0.25

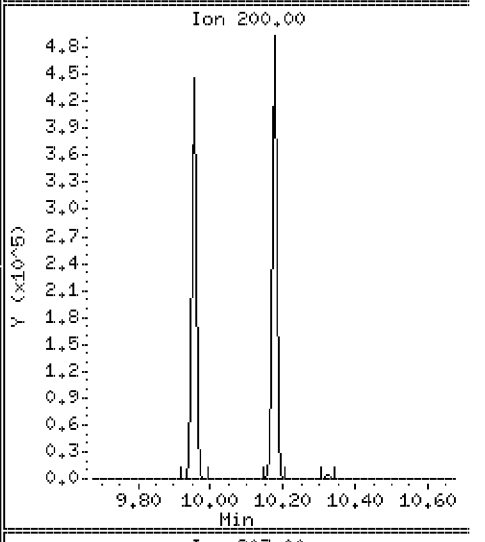
111 Pyrene

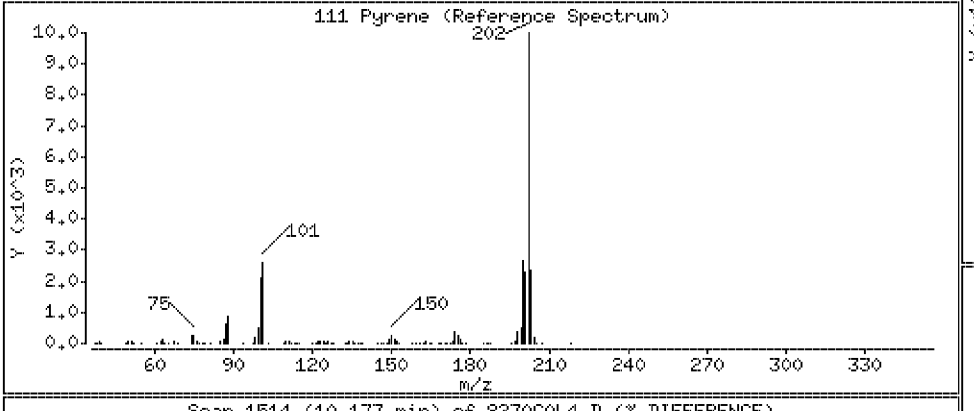
Concentration: 44.7 ug/l

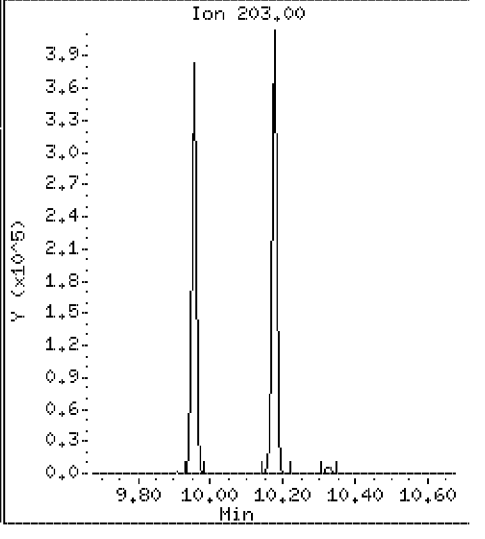


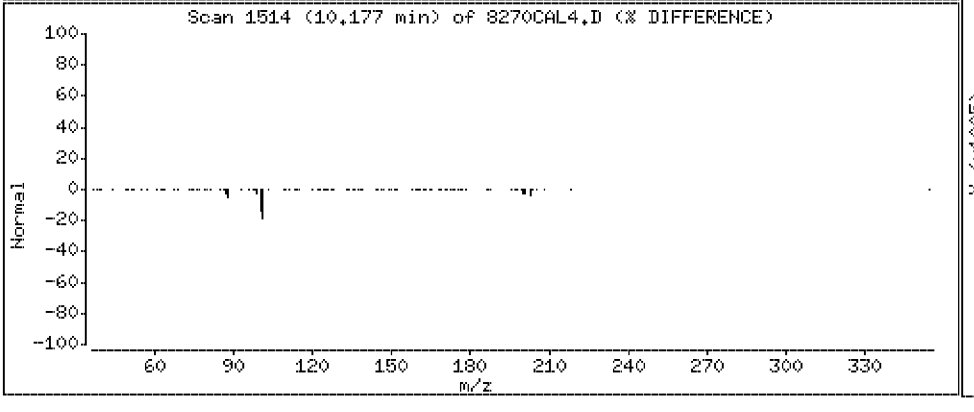












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

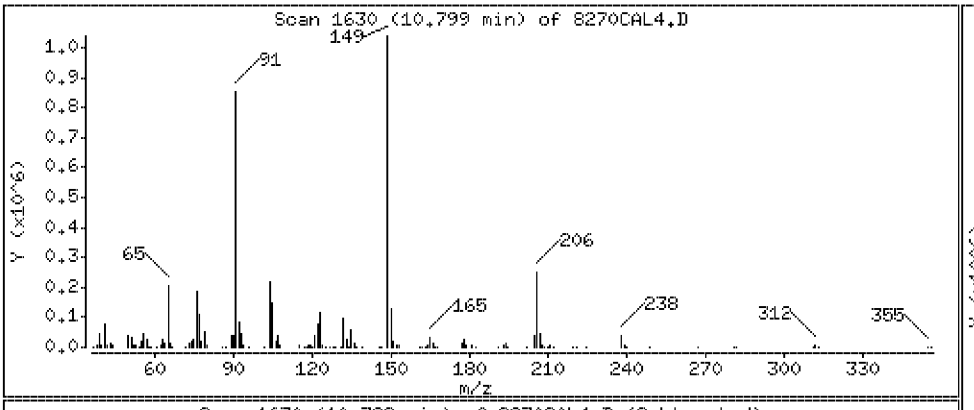
Operator: PEL

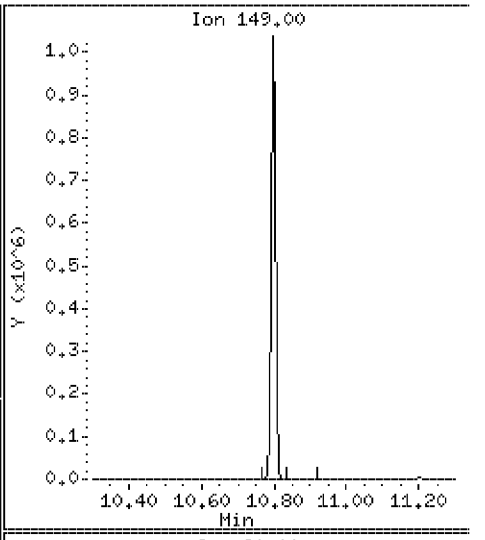
Column phase: HPMS-5

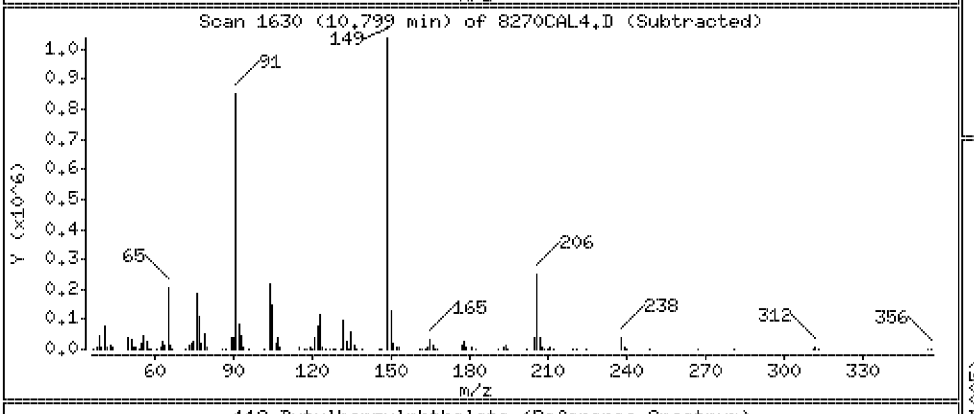
Column diameter: 0.25

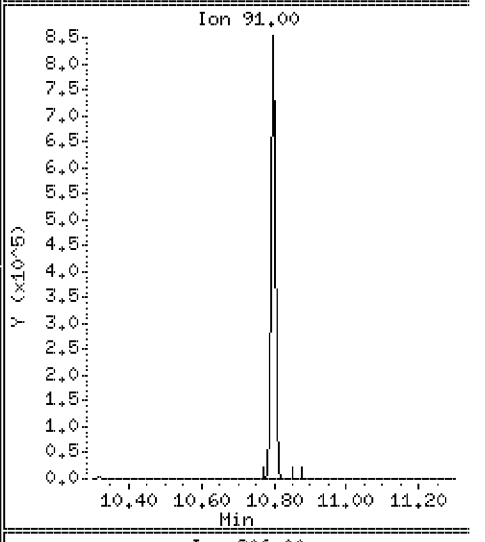
118 Butylbenzylphthalate

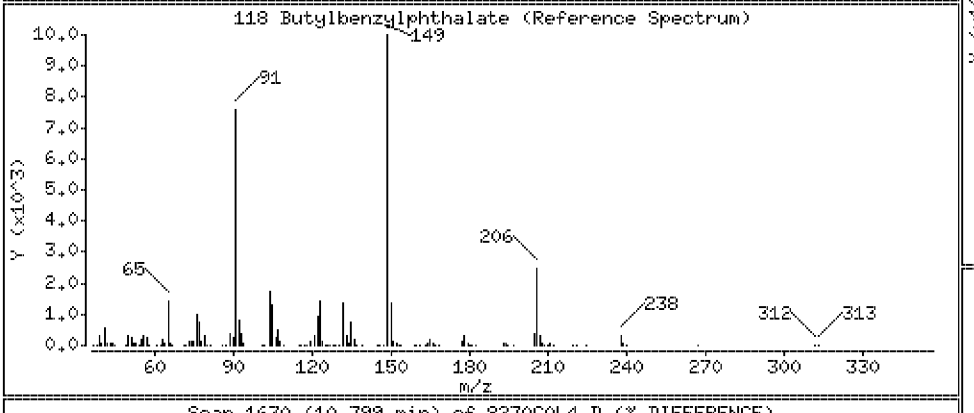
Concentration: 46.2 ug/l

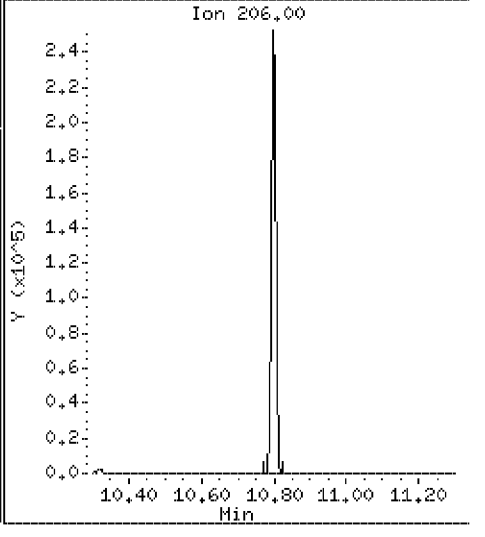


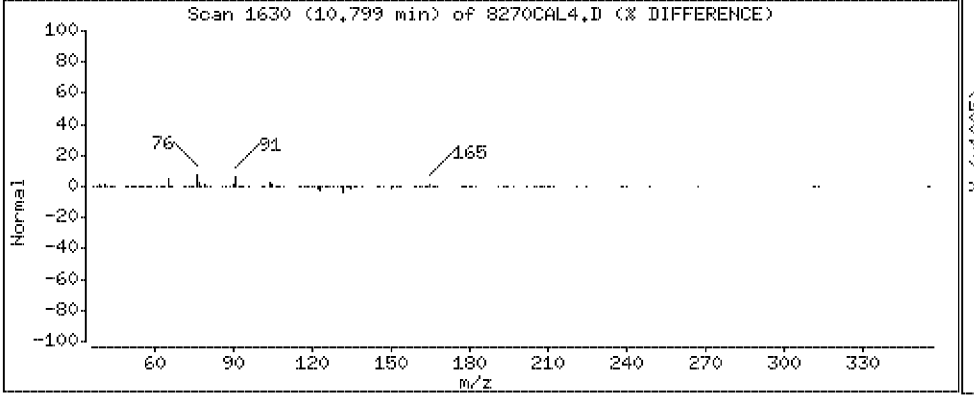












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

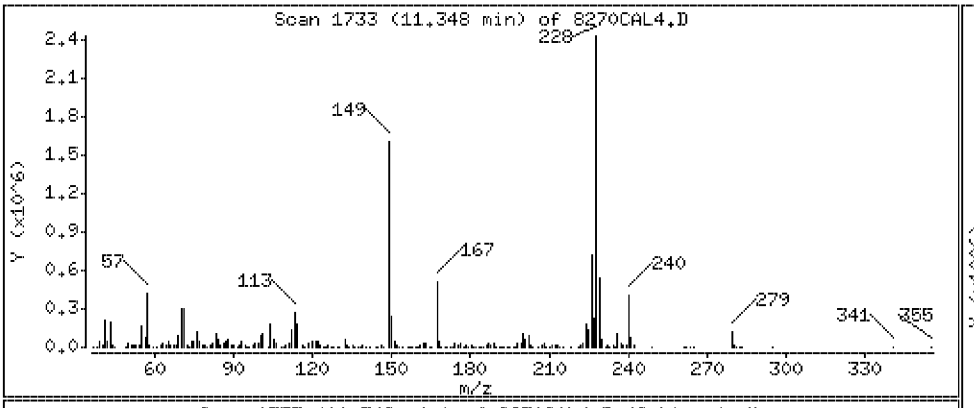
Operator: PEL

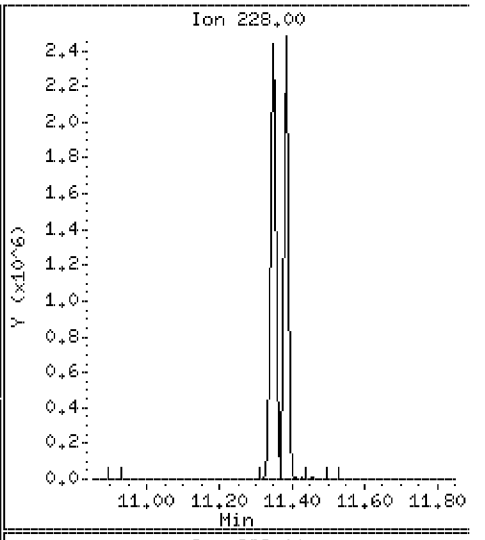
Column phase: HPMS-5

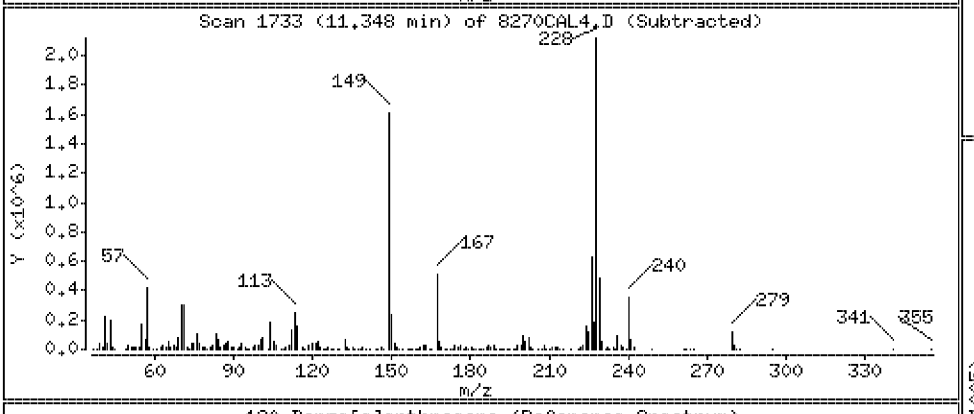
Column diameter: 0.25

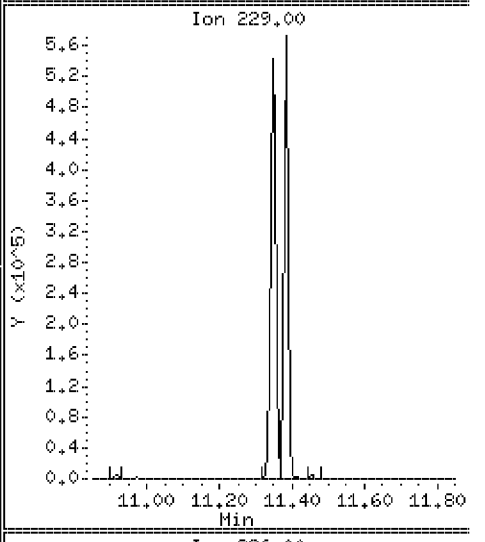
120 Benzo[a]anthracene

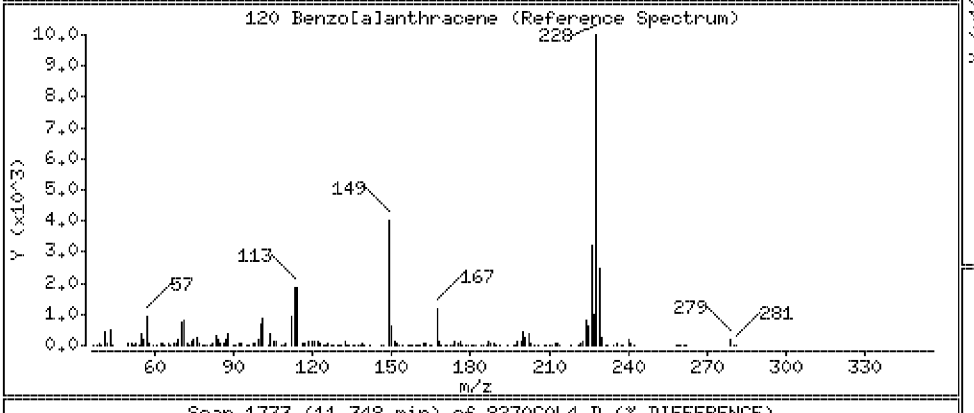
Concentration: 47.0 ug/l

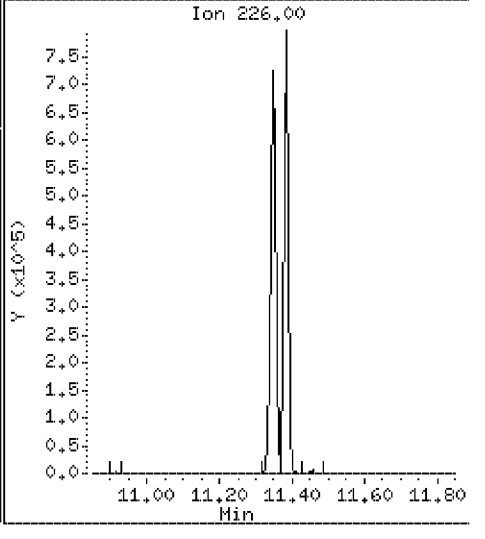


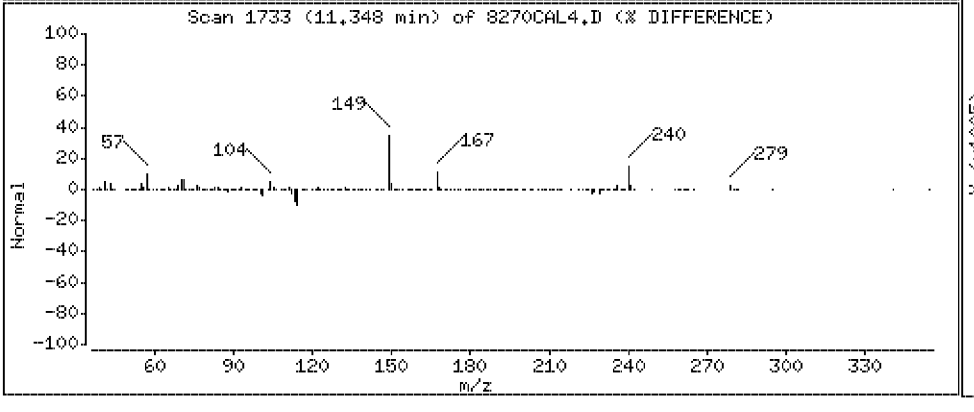












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

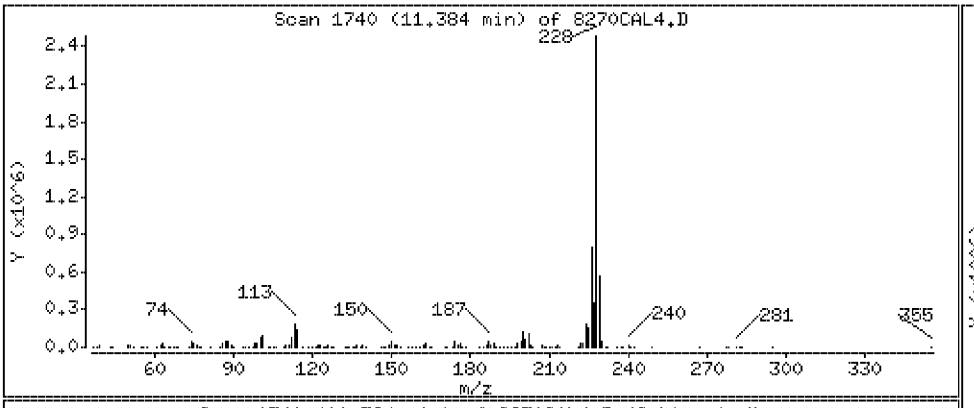
Operator: PEL

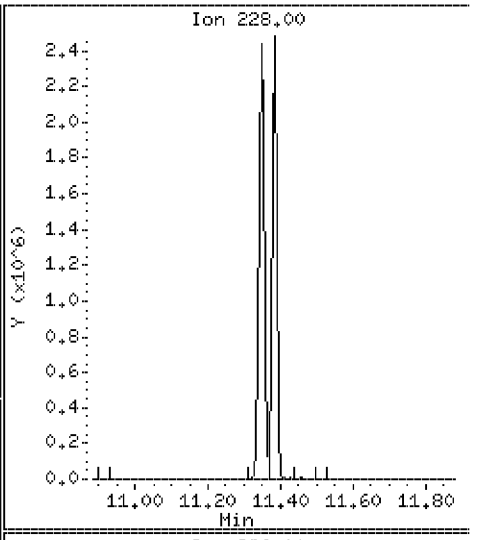
Column phase: HPMS-5

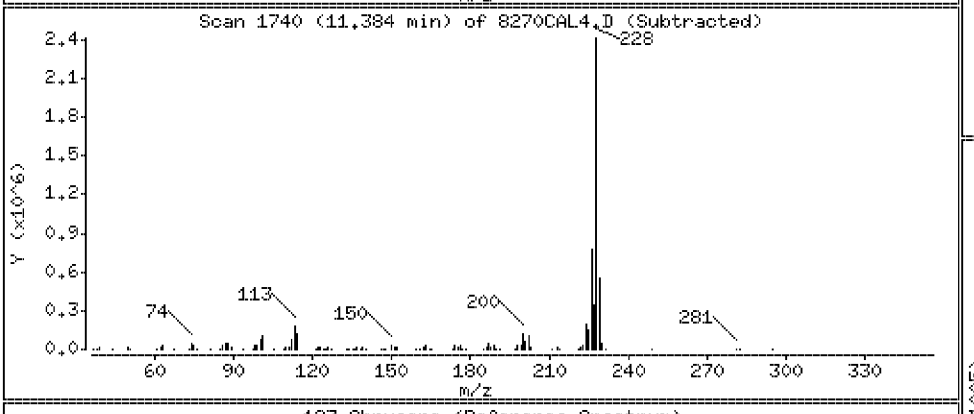
Column diameter: 0.25

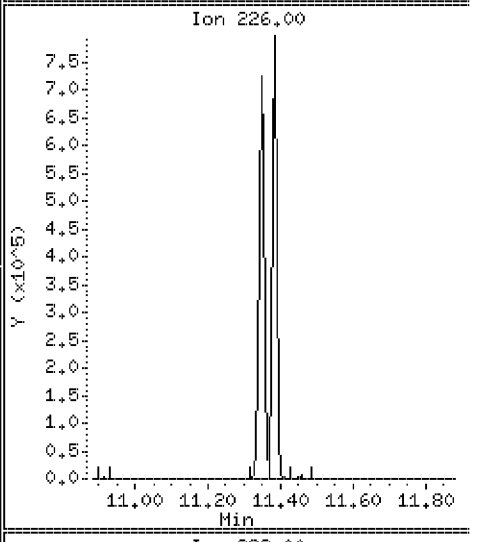
123 Chrysene

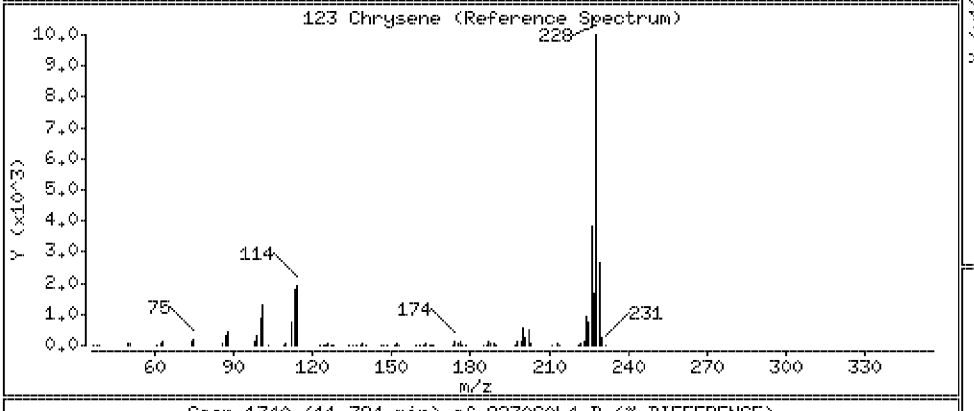
Concentration: 45.7 ug/l

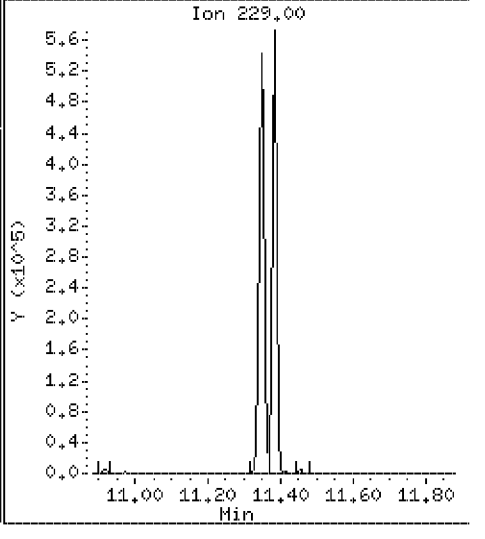


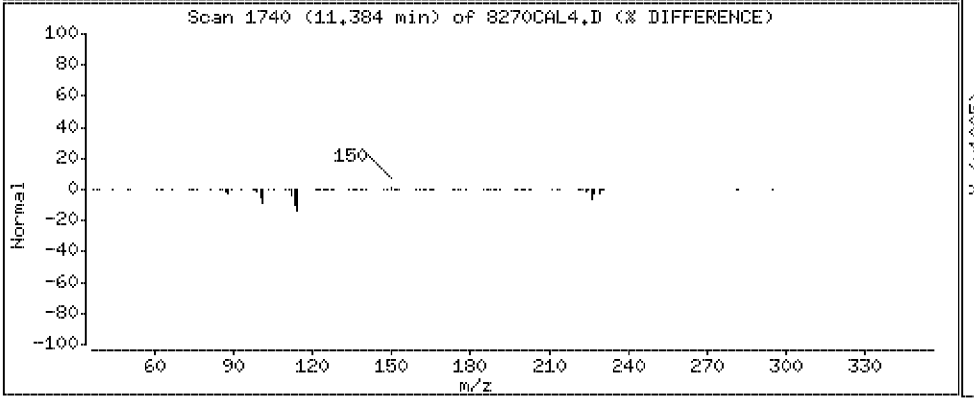












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

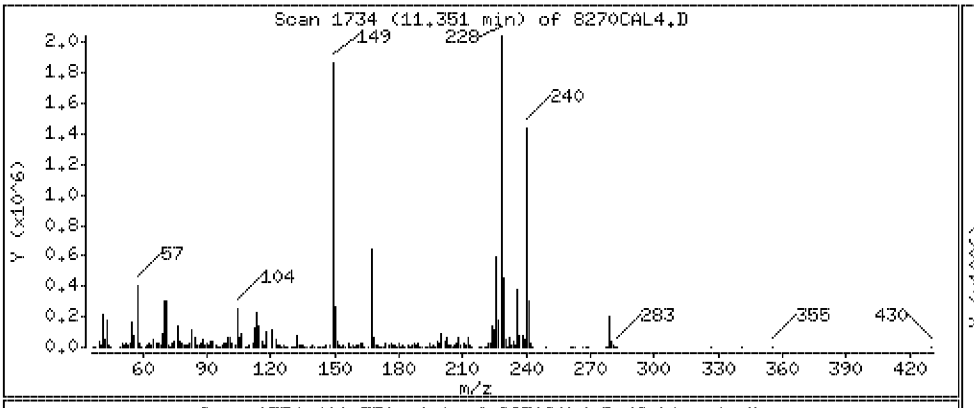
Operator: PEL

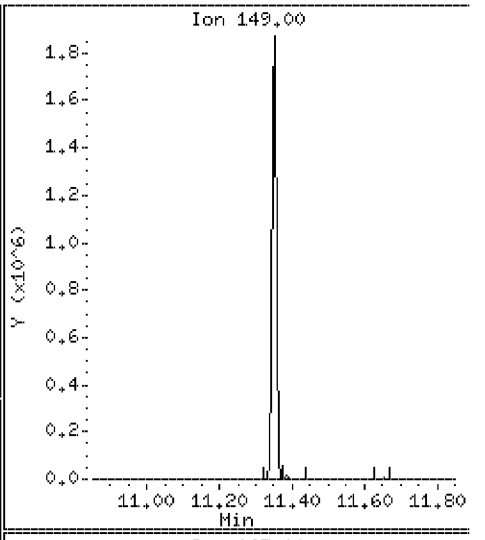
Column phase: HPMS-5

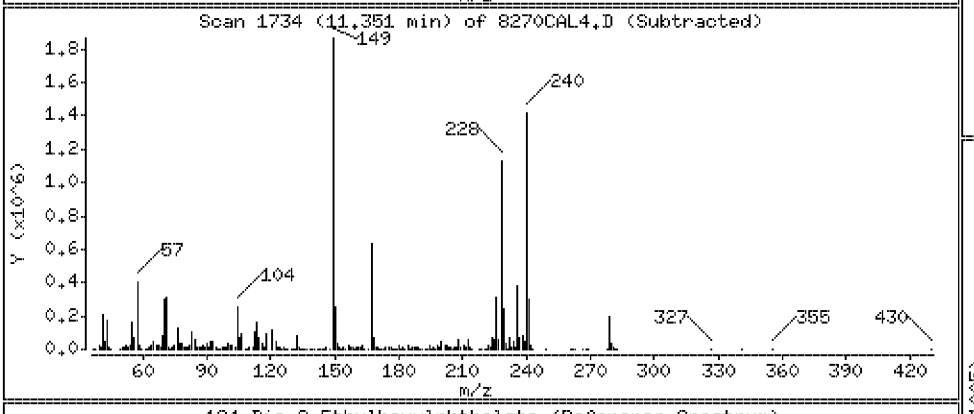
Column diameter: 0.25

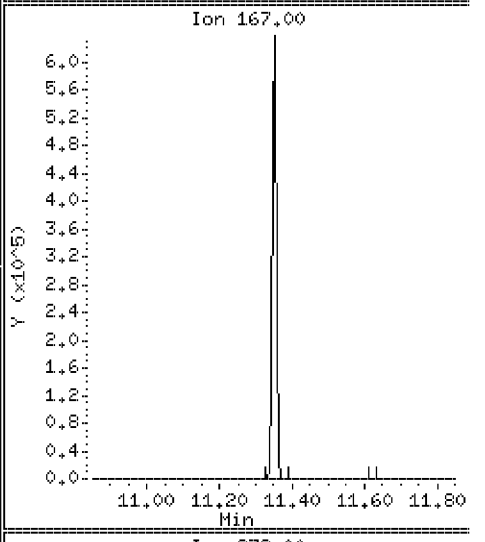
124 Bis-2-Ethylhexylphthalate

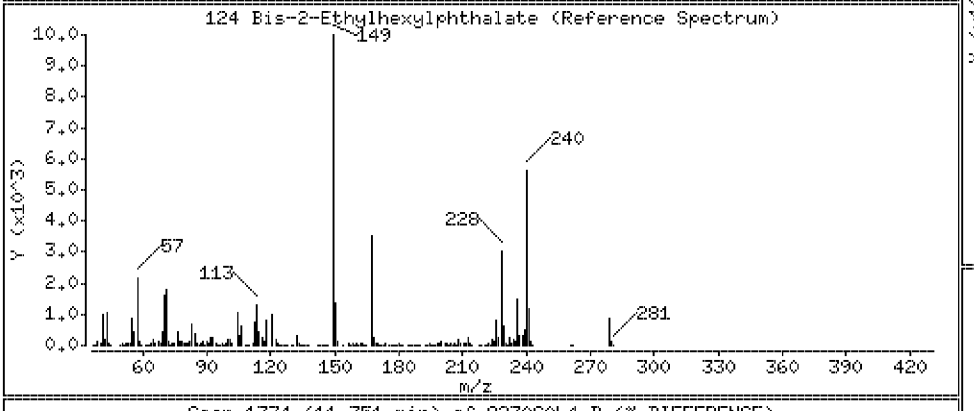
Concentration: 47.8 ug/l

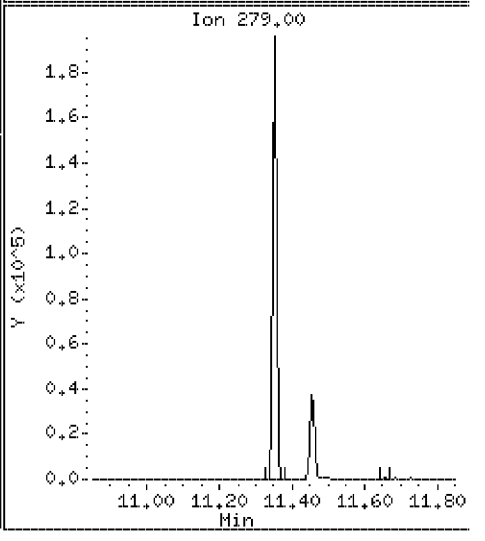


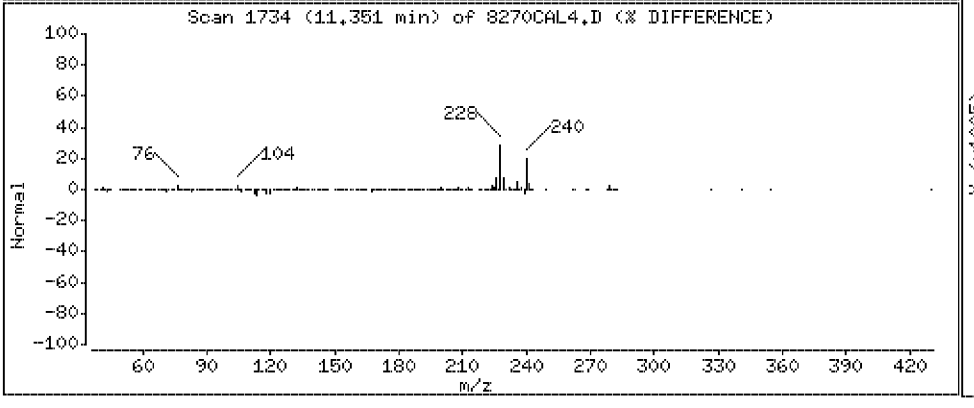












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

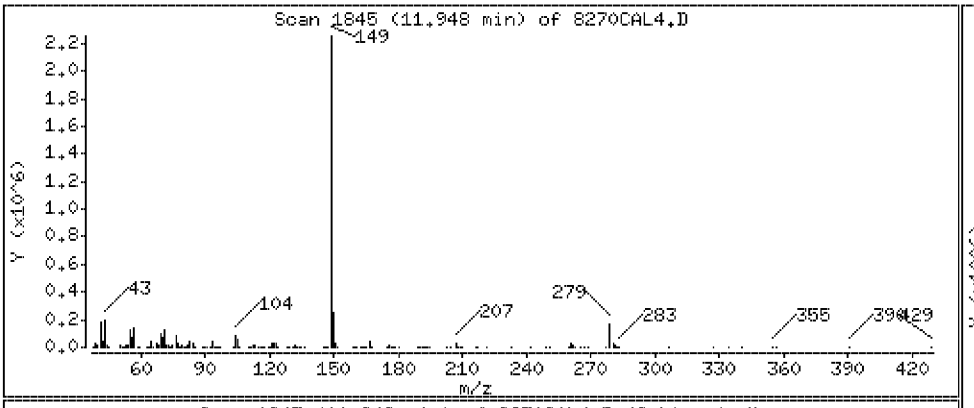
Operator: PEL

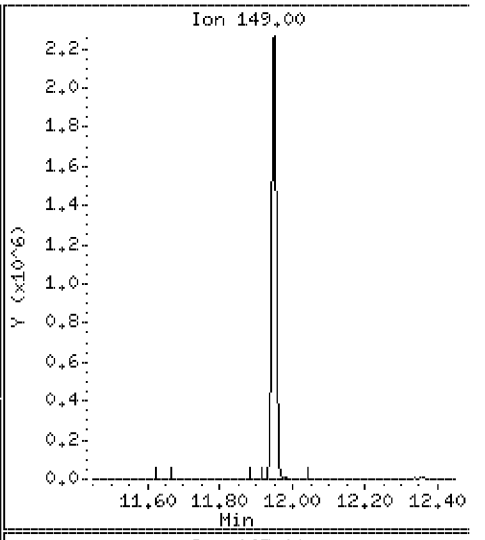
Column phase: HPMS-5

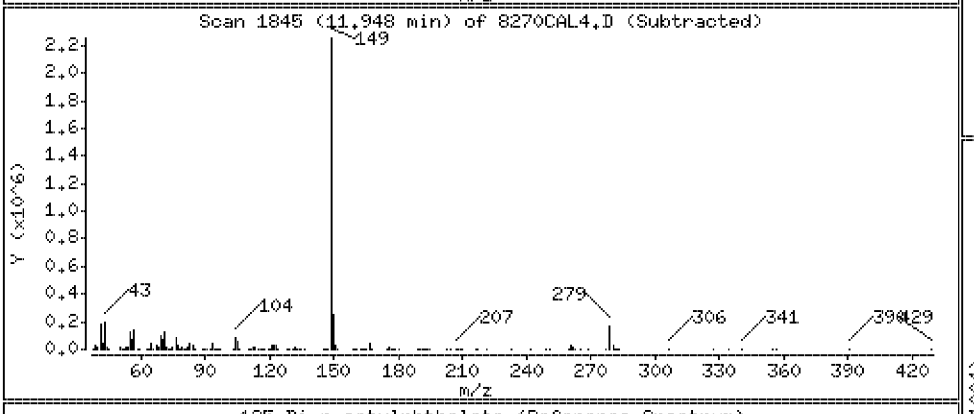
Column diameter: 0.25

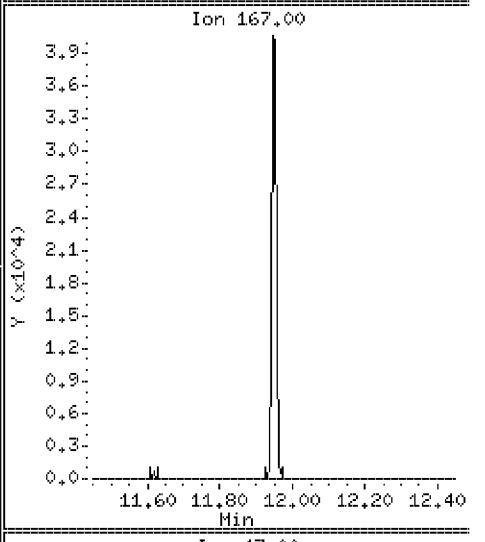
125 Di-n-octylphthalate

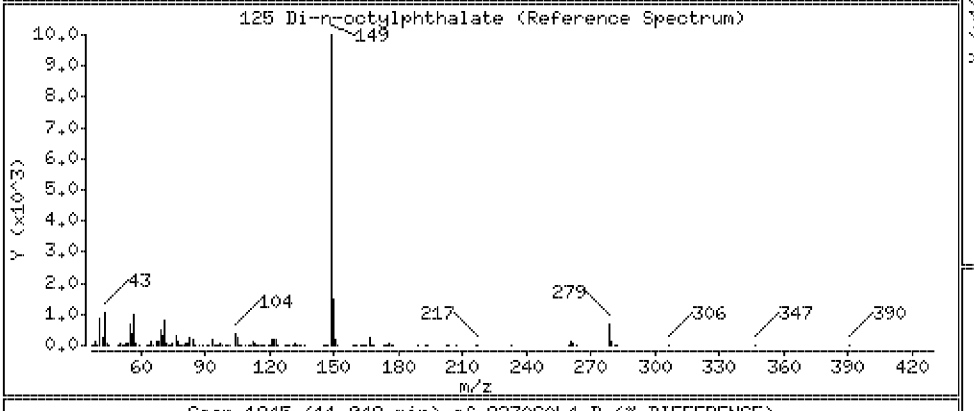
Concentration: 48.8 ug/l

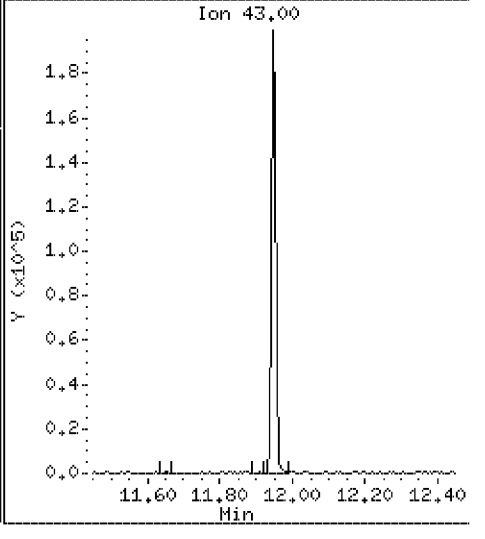


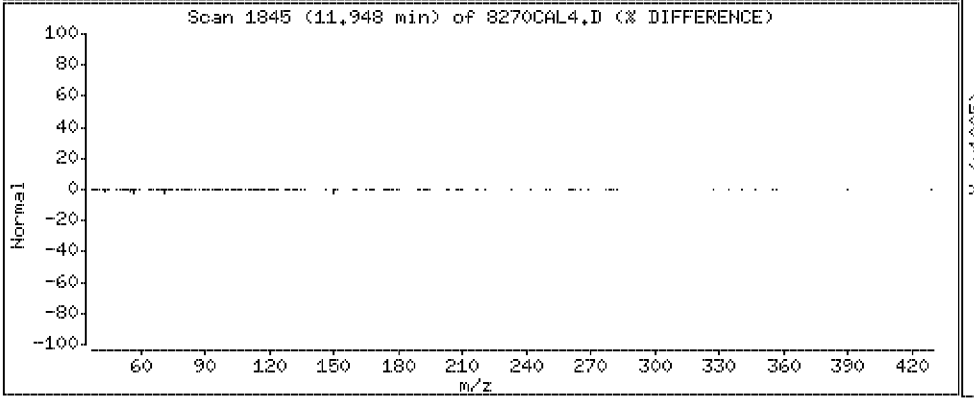












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

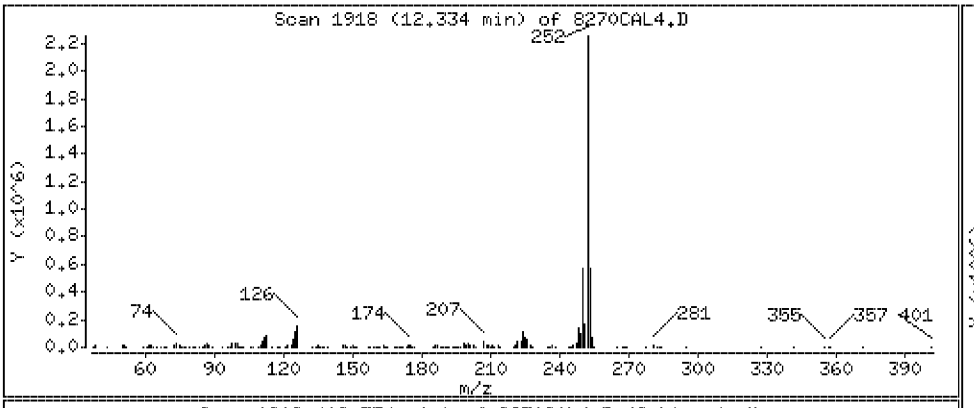
Operator: PEL

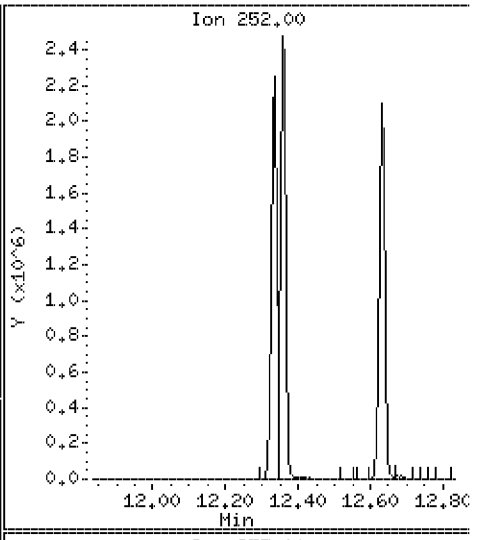
Column phase: HPMS-5

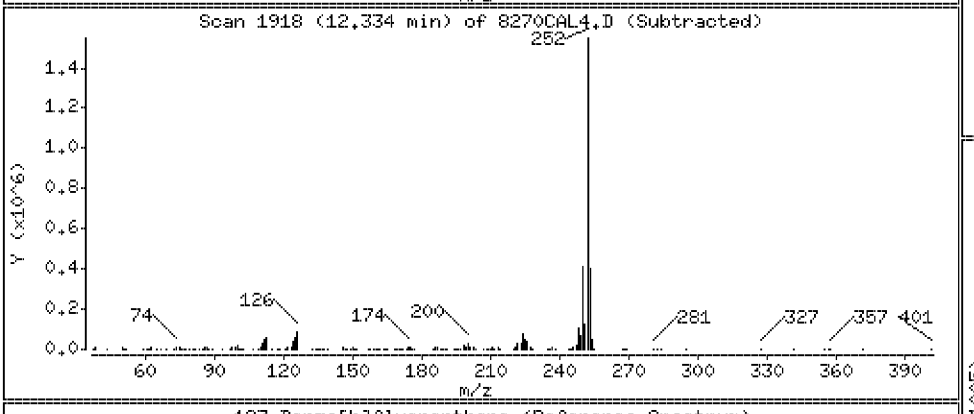
Column diameter: 0.25

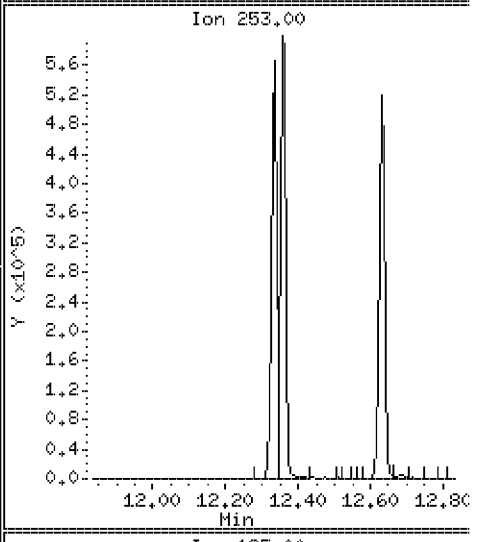
127 Benzo[b]fluoranthene

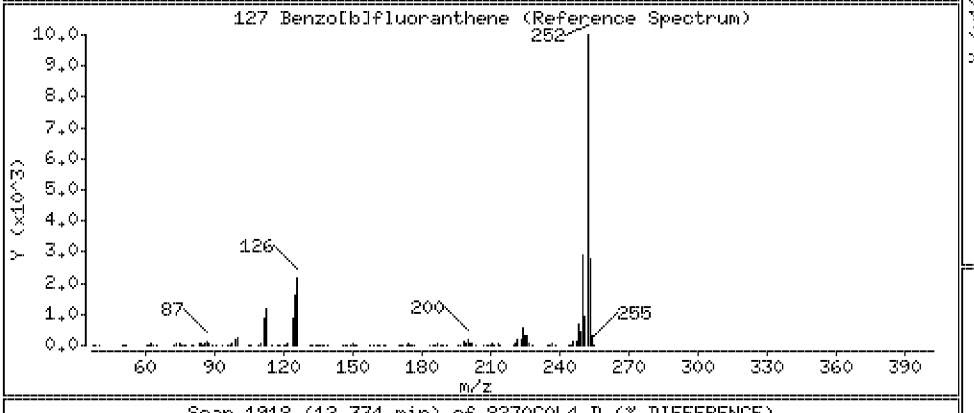
Concentration: 46.4 ug/l

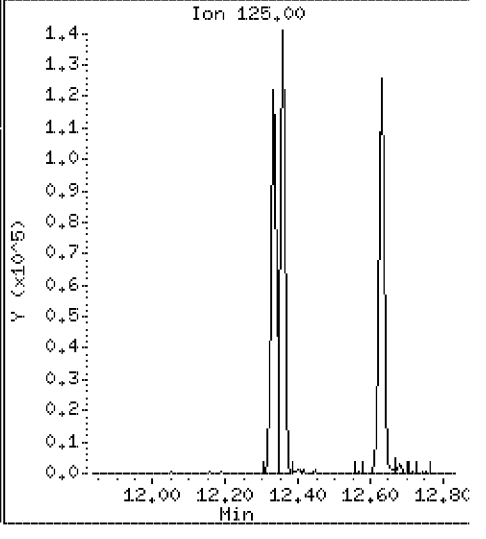


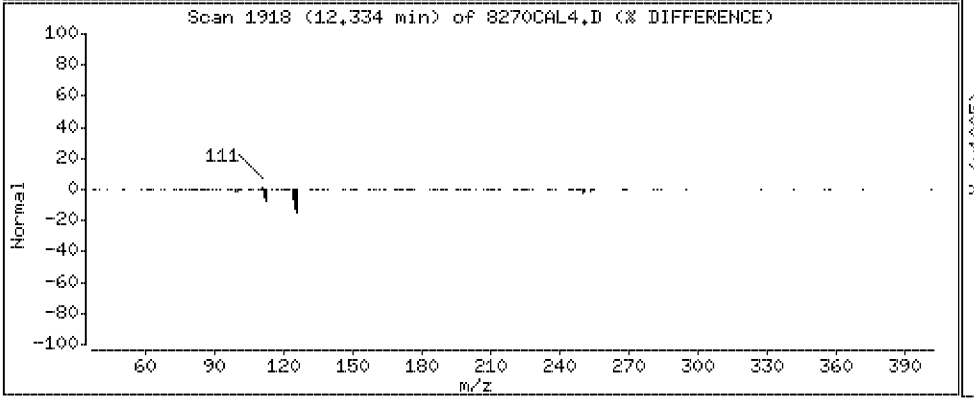












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

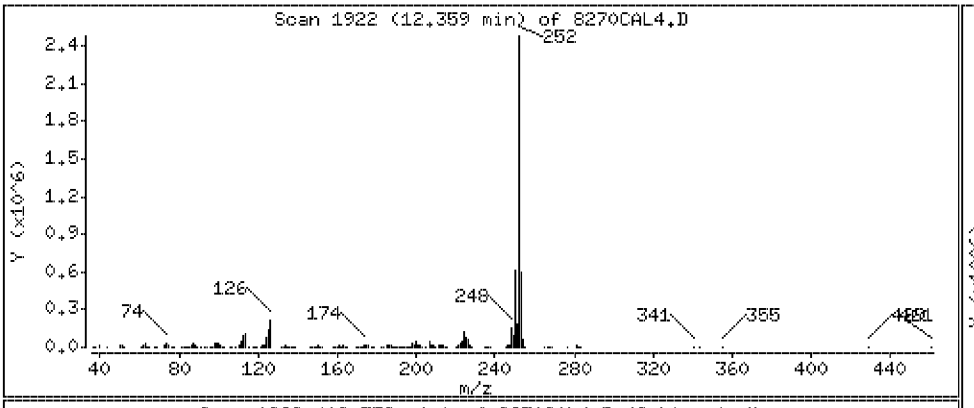
Operator: PEL

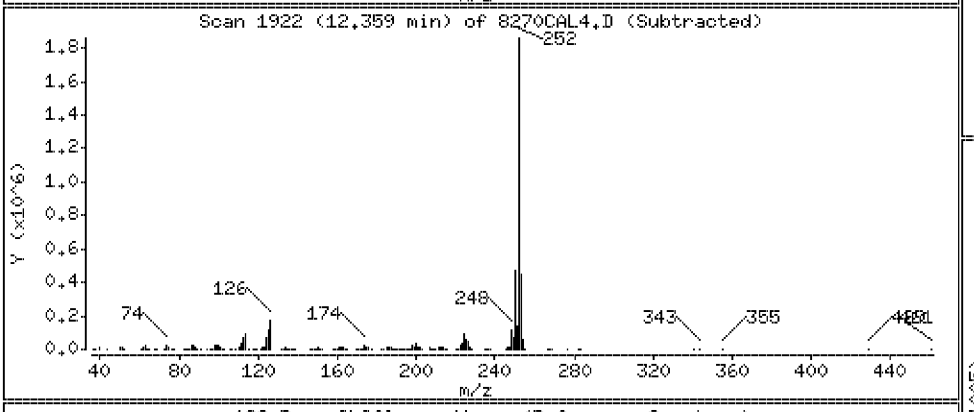
Column phase: HPMS-5

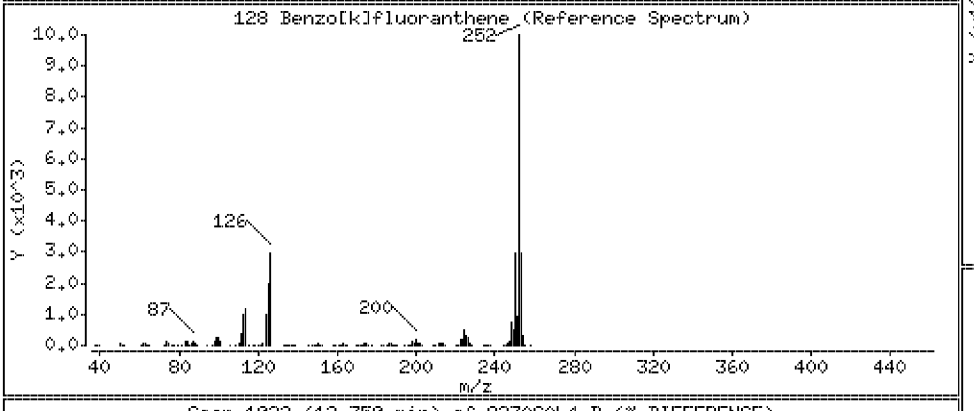
Column diameter: 0.25

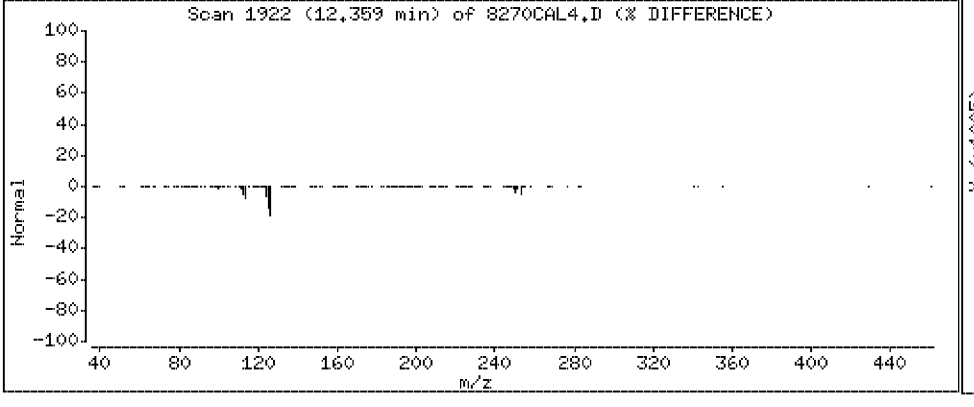
128 Benzo[k]fluoranthene

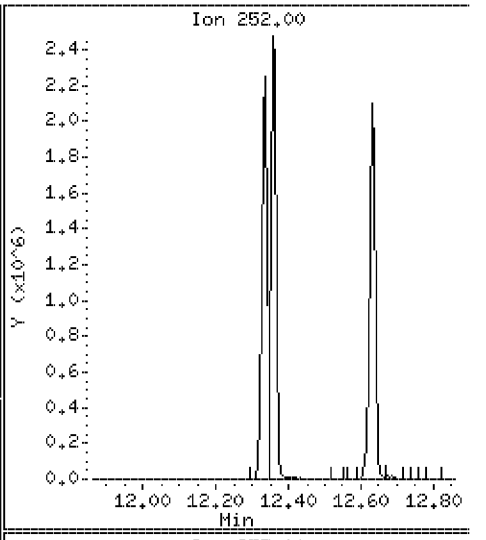
Concentration: 48.5 ug/l

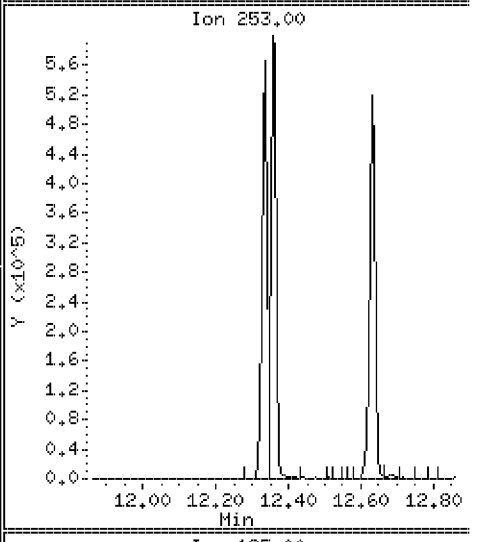


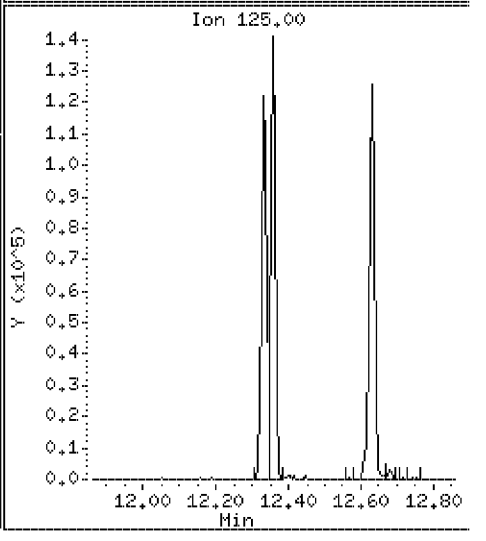












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

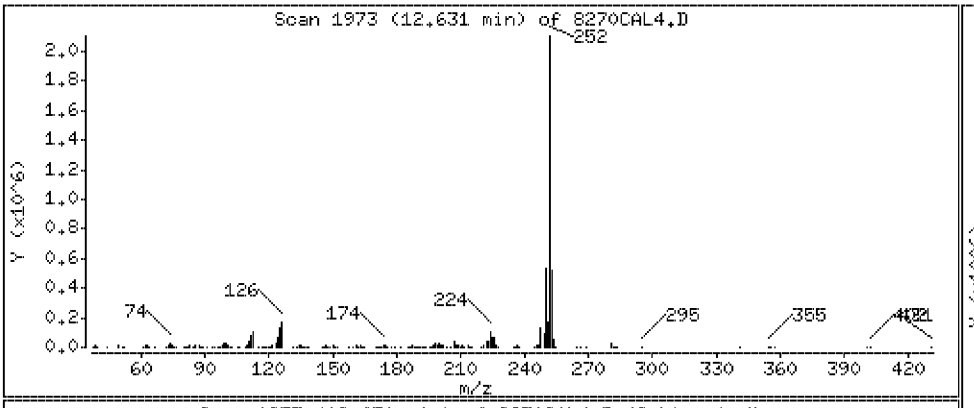
Operator: PEL

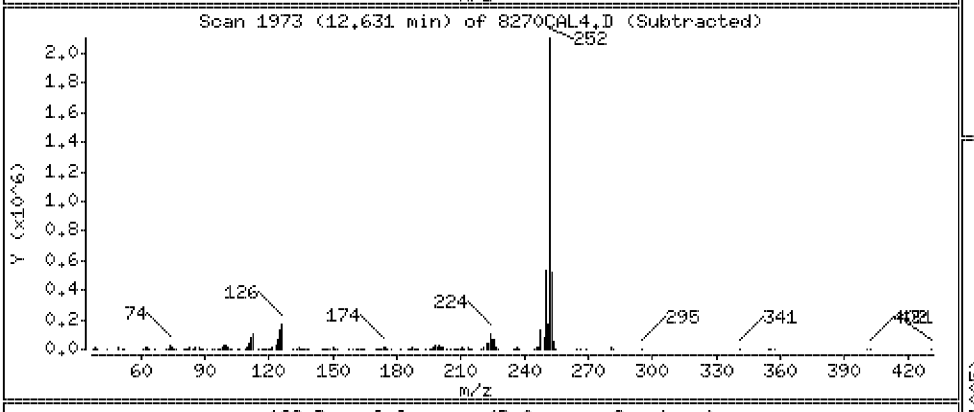
Column phase: HPMS-5

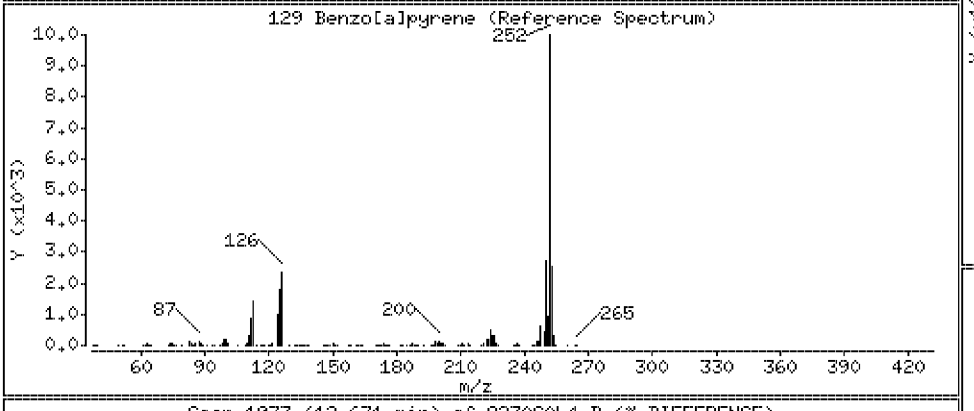
Column diameter: 0.25

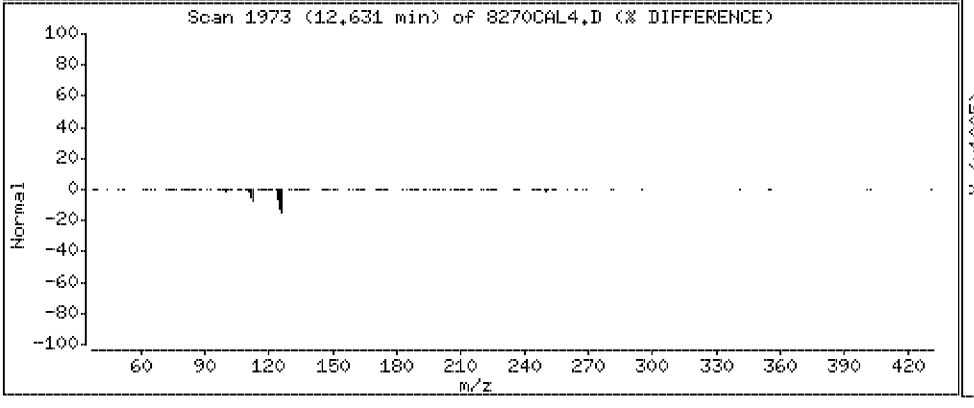
129 Benzo[a]pyrene

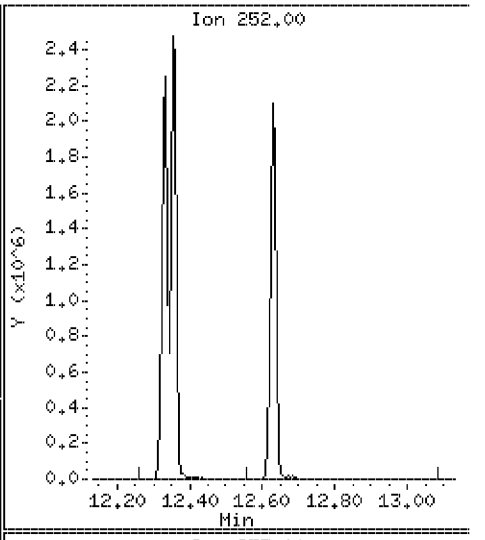
Concentration: 47.2 ug/l

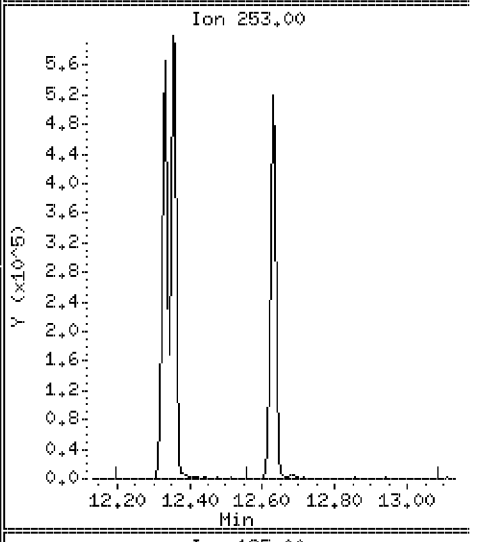


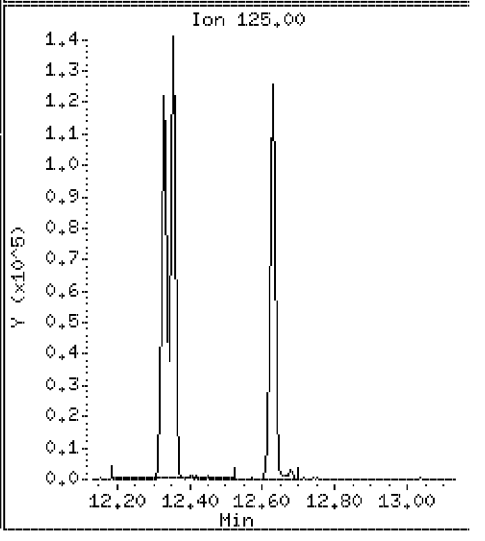












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

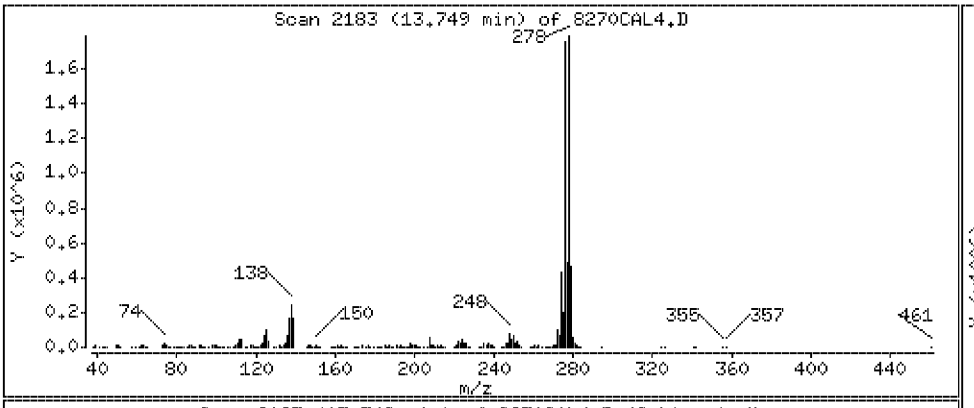
Operator: PEL

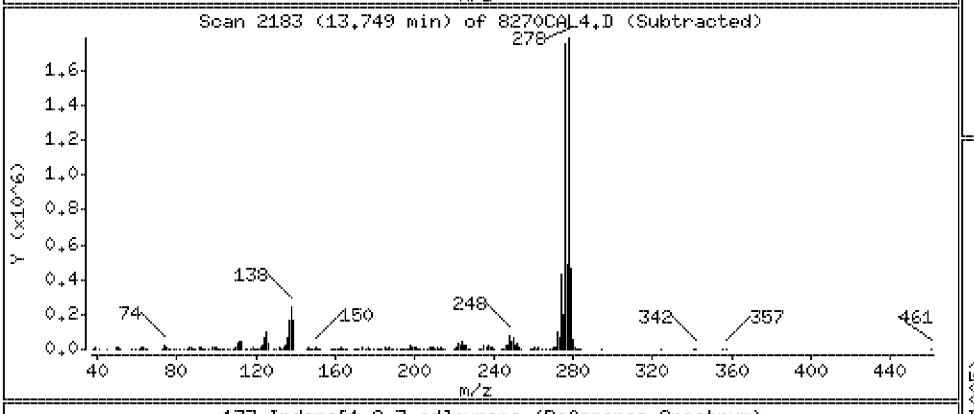
Column phase: HPMS-5

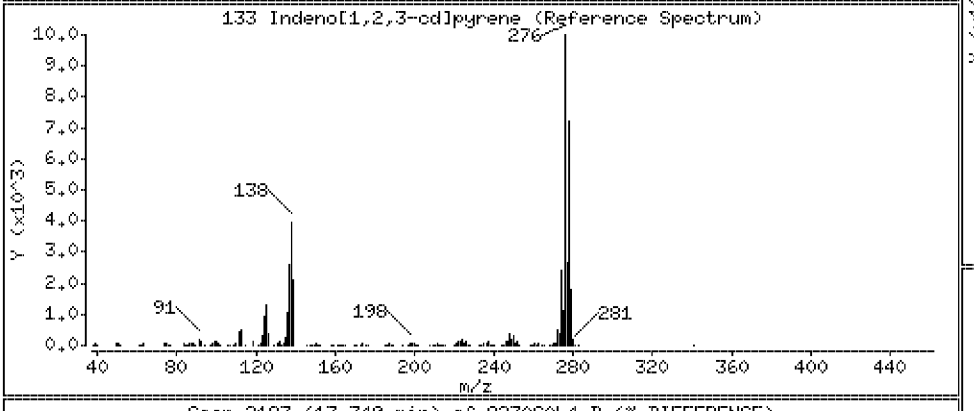
Column diameter: 0.25

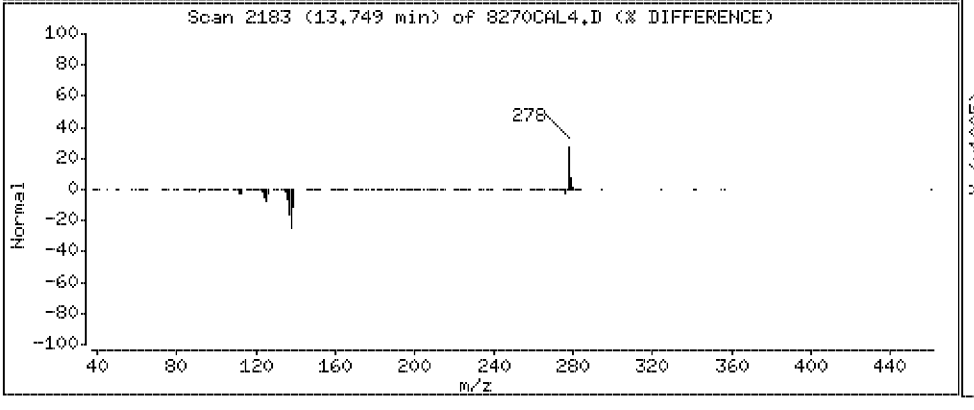
133 Indeno[1,2,3-cd]pyrene

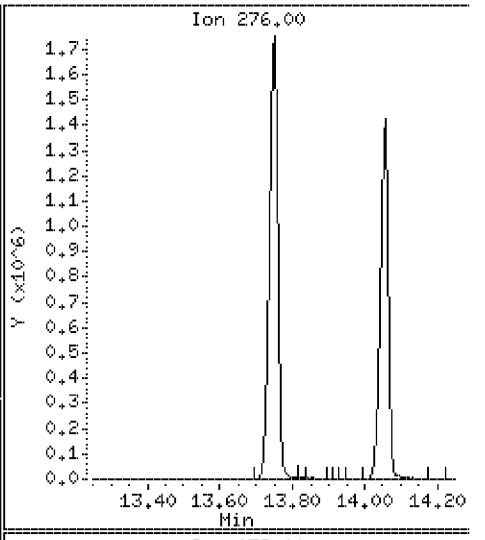
Concentration: 46.8 ug/l

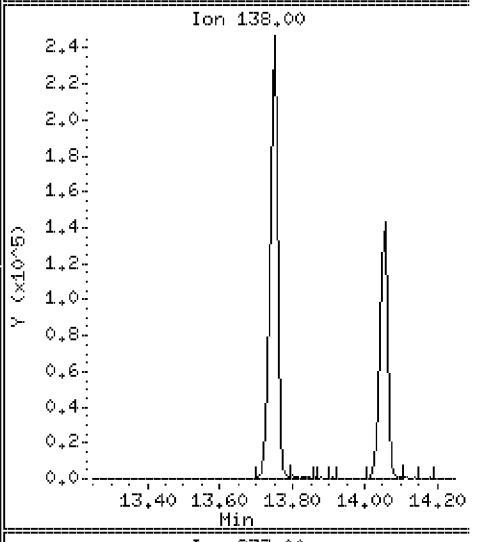


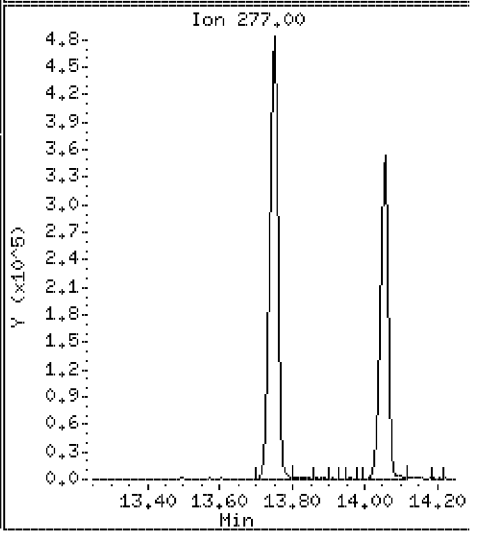












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL4.D

Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

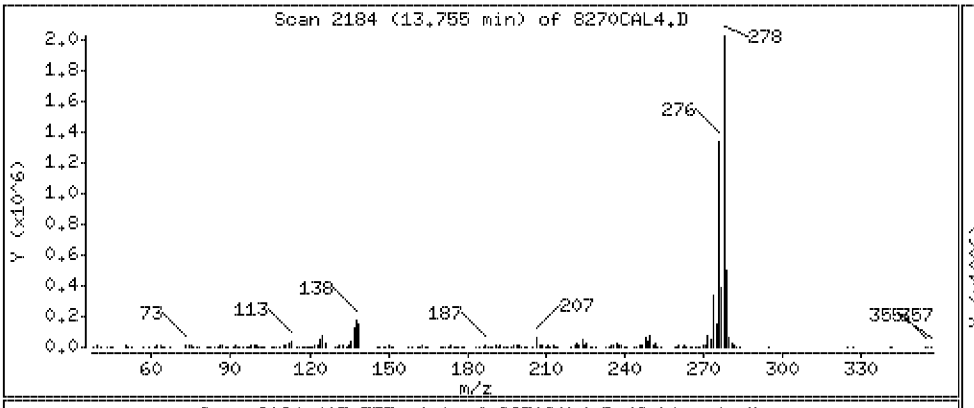
Operator: PEL

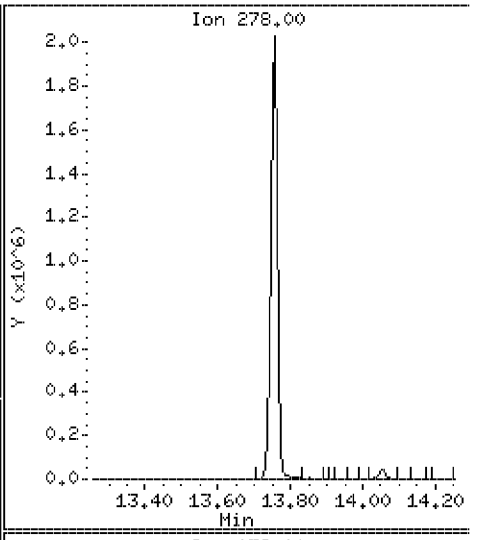
Column phase: HPMS-5

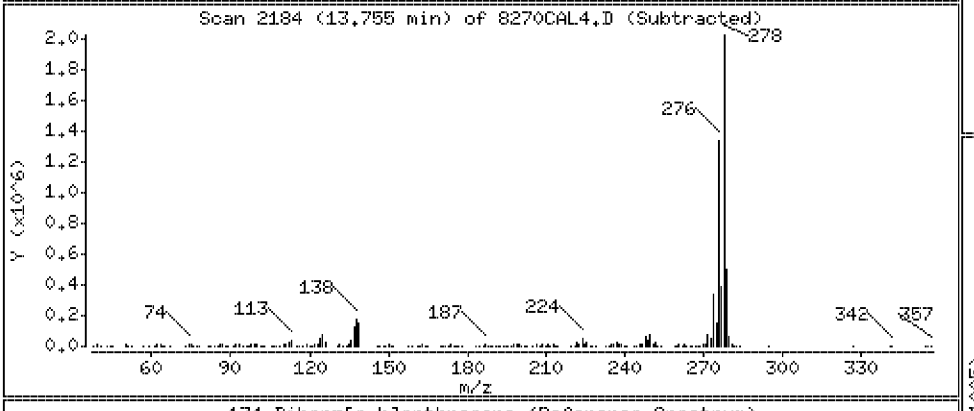
Column diameter: 0.25

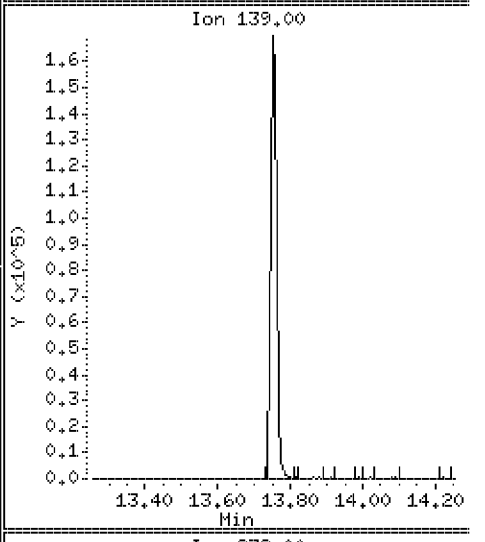
134 Dibenz[a,h]anthracene

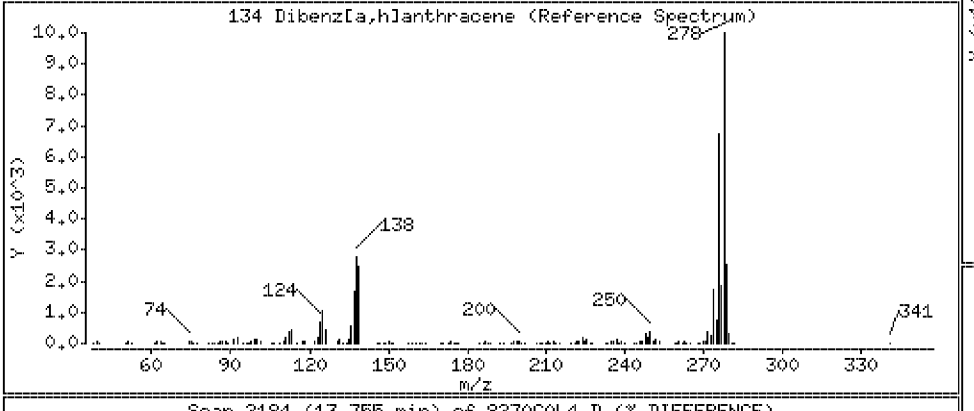
Concentration: 47.4 ug/l

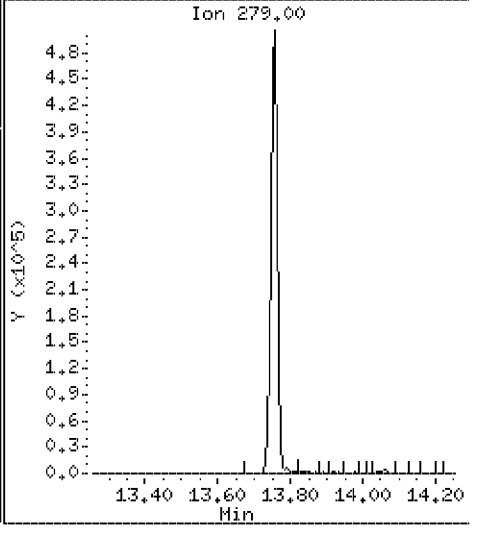


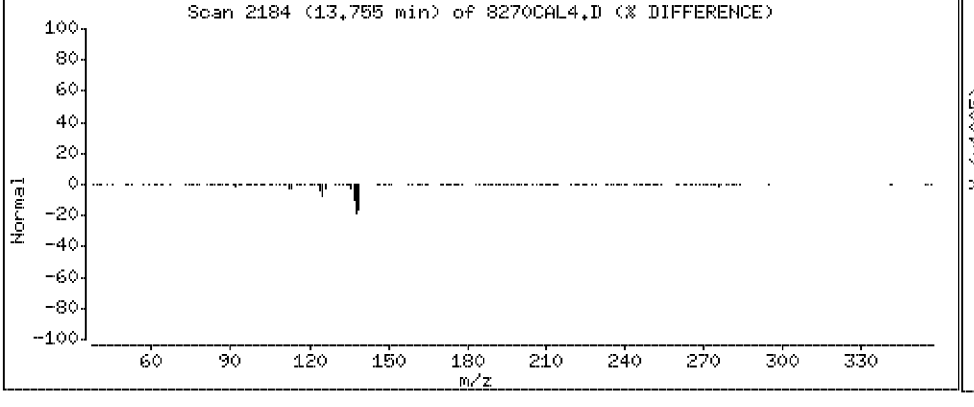












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Date : 23-APR-2012 11:34

Client ID: 8270CAL4

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

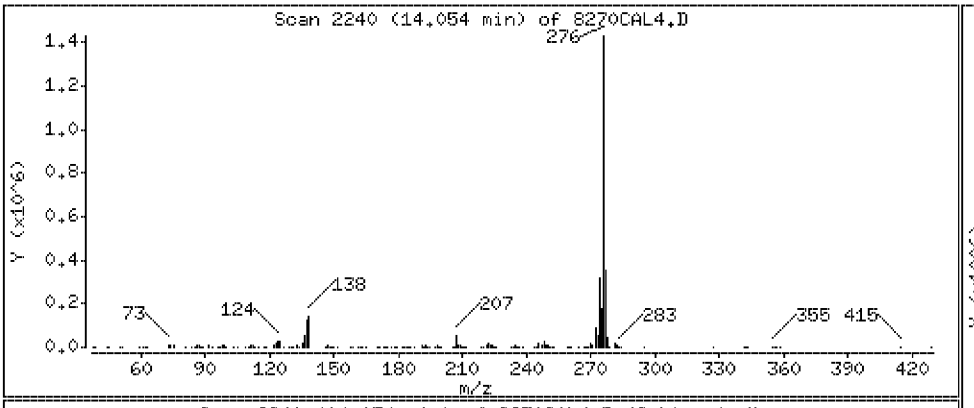
Operator: PEL

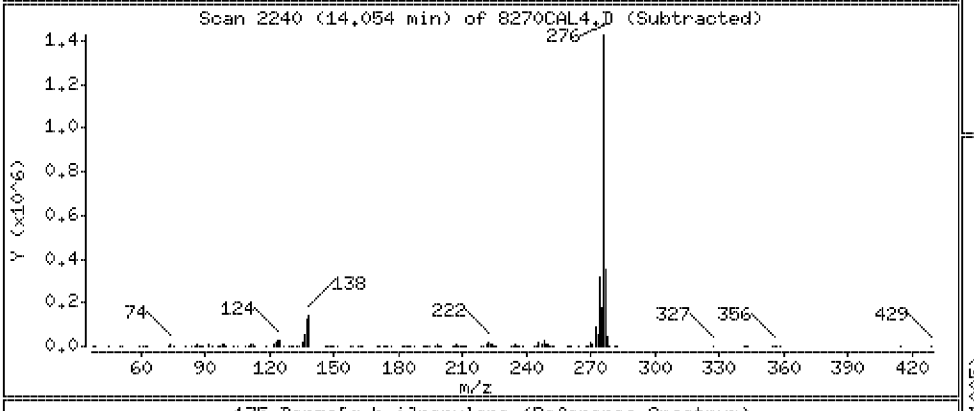
Column phase: HPMS-5

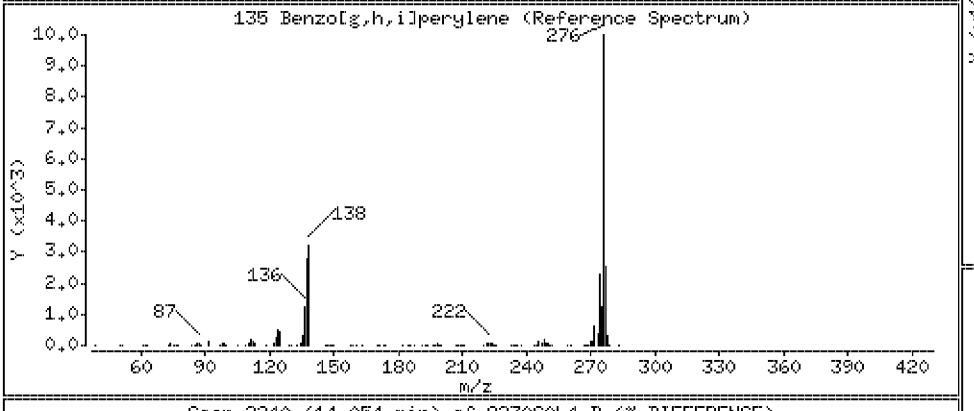
Column diameter: 0.25

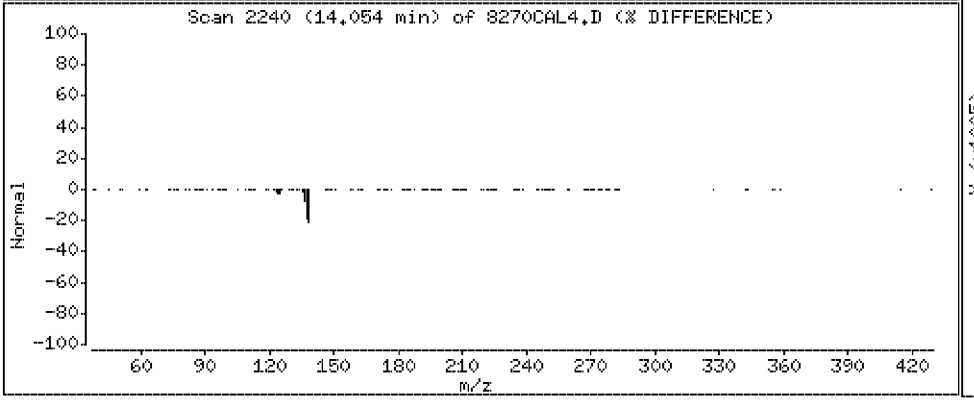
135 Benzo[g,h,i]perylene

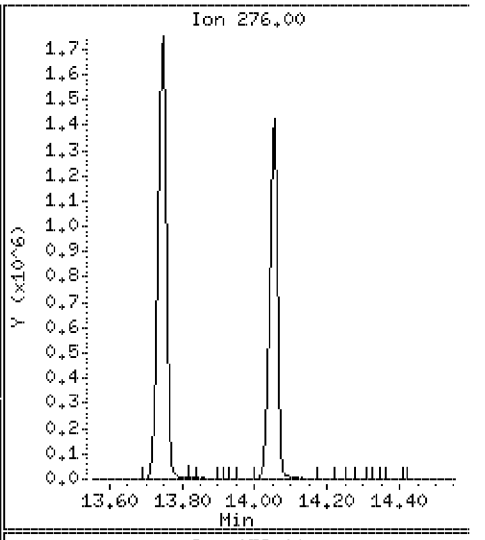
Concentration: 46.5 ug/l

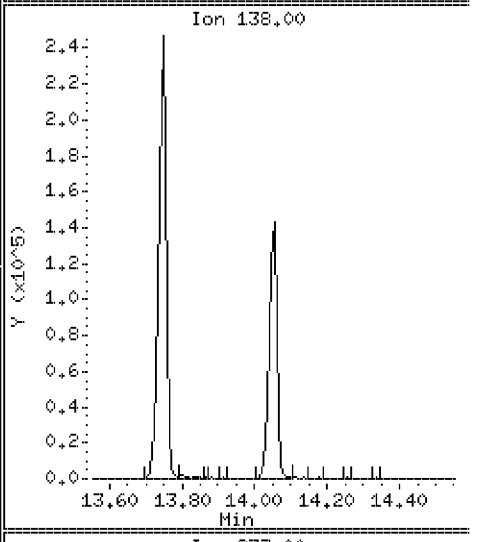


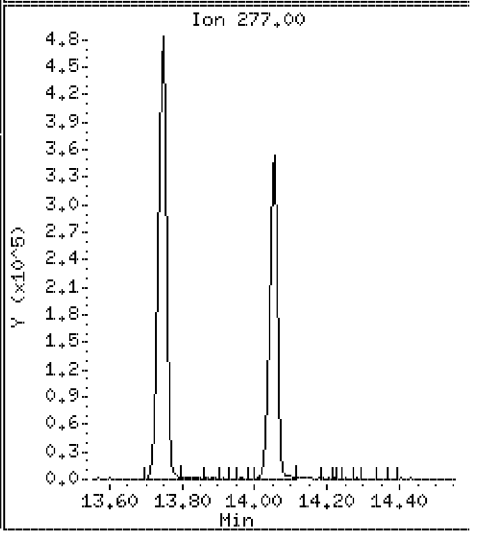












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D
Lab Smp Id: 45925 Client Smp ID: 8270CAL3
Inj Date : 23-APR-2012 11:58 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45925
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 11:34 Cal File: 8270CAL4.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.387	2.381 (0.537)		79	252048	20.0000	20.3	80.00- 120.00	100.00
2.387	2.381 (0.537)		52	92628			7.01- 67.01	36.75
M 16 Cresols (Total)						CAS #: 1319-77-3		
				407826	40.0000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.339	2.338 (0.526)		42	112465	20.0000	20.0	80.00- 120.00	100.00
2.339	2.338 (0.526)		74	159051			112.35- 172.35	141.42
2.339	2.338 (0.526)		44	6770			0.00- 34.21	6.02
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.384	3.383 (0.761)		112	384150	40.0000	40.2	80.00- 120.00	100.00
3.384	3.383 (0.761)		64	237325			33.15- 93.15	61.78
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.138	4.139 (0.930)		99	501665	40.0000	39.1	80.00- 120.00	100.00
4.137	4.139 (0.930)		42	96679			0.00- 48.89	19.27
4.137	4.139 (0.930)		71	270959			23.76- 83.76	54.01
13 Phenol						CAS #: 108-95-2		
4.149	4.151 (0.933)		94	279057	20.0000	19.2	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.151	4.151	(0.933)	65	175591			31.39- 91.39	62.92
4.162	4.151	(0.936)	66	317693			81.48- 141.48	113.85
	10 Aniline					CAS #: 62-53-3		
4.165	4.166	(0.937)	93	315682	20.0000	20.5	80.00- 120.00	100.00
4.151	4.166	(0.933)	65	175595			26.91- 86.91	55.62
4.162	4.166	(0.936)	66	317696			73.34- 133.34	100.64
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.206	4.210	(0.946)	93	182422	20.0000	20.0	80.00- 120.00	100.00
4.206	4.210	(0.946)	63	129161			42.30- 102.30	70.80
4.207	4.210	(0.946)	95	58225			1.53- 61.53	31.92
	15 2-Chlorophenol					CAS #: 95-57-8		
4.276	4.278	(0.962)	128	189955	20.0000	19.8	80.00- 120.00	100.00
4.275	4.278	(0.961)	64	97419			20.72- 80.72	51.29
4.277	4.278	(0.962)	130	62307			2.39- 62.39	32.80
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.400	4.401	(0.989)	146	234898	20.0000	20.0	80.00- 120.00	100.00
4.400	4.401	(0.989)	148	157480			36.16- 96.16	67.04
4.399	4.401	(0.989)	111	104063			16.14- 76.14	44.30
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.447	4.448	(1.000)	152	330824	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	202809			32.20- 92.20	61.30
4.447	4.448	(1.000)	150	524522			139.77- 199.77	158.55
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.461	4.462	(1.003)	146	242955	20.0000	19.6	80.00- 120.00	100.00
4.461	4.462	(1.003)	148	162015			38.09- 98.09	66.69
4.461	4.462	(1.003)	111	111147			14.50- 74.50	45.75
	21 Benzyl alcohol					CAS #: 100-51-6		
4.564	4.567	(1.026)	108	124301	20.0000	19.0	80.00- 120.00	100.00
4.564	4.567	(1.026)	79	226216			152.29- 212.29	181.99
4.564	4.567	(1.026)	77	158628			97.26- 157.26	127.62
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.599	4.599	(1.034)	146	224057	20.0000	19.9	80.00- 120.00	100.00
4.599	4.599	(1.034)	148	147034			38.32- 98.32	65.62
4.599	4.599	(1.034)	111	100539			18.14- 78.14	44.87
	22 2-Methylphenol					CAS #: 95-48-7		
4.670	4.671	(1.050)	107	163924	20.0000	18.9	80.00- 120.00	100.00
4.670	4.671	(1.050)	108	186365			82.43- 142.43	113.69
4.671	4.671	(1.050)	79	145683			55.43- 115.43	88.87
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.674	4.675	(1.051)	45	124110	20.0000	19.4	80.00- 120.00	100.00
4.671	4.675	(1.050)	77	166381			102.98- 162.98	134.06
4.675	4.675	(1.051)	121	61241			24.22- 84.22	49.34

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol							CAS #: 106-44-5	
4.806	4.808	(1.081)	107	243902	20.0000	19.5	80.00- 120.00	100.00
4.806	4.808	(1.081)	108	192078			50.54- 110.54	78.75
4.806	4.808	(1.081)	79	79259			2.76- 62.76	32.50
26 N-Nitrosodinpropylamine							CAS #: 621-64-7	
4.795	4.798	(1.078)	70	187833	20.0000	19.3	80.00- 120.00	100.00
4.795	4.798	(1.078)	42	70496			6.87- 66.87	37.53
4.796	4.798	(1.078)	130	36328			0.00- 49.23	19.34
30 Hexachloroethane							CAS #: 67-72-1	
4.901	4.902	(1.102)	117	95012	20.0000	19.4	80.00- 120.00	100.00
4.902	4.902	(1.102)	201	111949			90.07- 150.07	117.83
4.902	4.902	(1.102)	199	70107			43.69- 103.69	73.79
$ 31 Nitrobenzene-d5 (SURR)							CAS #: 4165-60-0	
4.941	4.944	(0.881)	82	294283	20.0000	19.9	80.00- 120.00	100.00
4.942	4.944	(0.881)	128	95077			2.76- 62.76	32.31
4.941	4.944	(0.881)	54	113075			7.08- 67.08	38.42
32 Nitrobenzene							CAS #: 98-95-3	
4.958	4.962	(0.884)	77	289837	20.0000	19.8	80.00- 120.00	100.00
4.959	4.962	(0.884)	123	95260			4.18- 64.18	32.87
4.959	4.962	(0.884)	65	42526			0.00- 45.17	14.67
34 Isophorone							CAS #: 78-59-1	
5.172	5.176	(0.922)	82	347674	20.0000	19.8	80.00- 120.00	100.00
5.173	5.176	(0.922)	138	57175			0.00- 46.29	16.45
5.171	5.176	(0.922)	95	30258			0.00- 39.21	8.70
35 2-Nitrophenol							CAS #: 88-75-5	
5.252	5.253	(0.936)	139	108389	20.0000	20.0	80.00- 120.00	100.00
5.251	5.253	(0.936)	65	76964			43.34- 103.34	71.01
5.251	5.253	(0.936)	109	54276			20.91- 80.91	50.08
36 2,4-Dimethylphenol							CAS #: 105-67-9	
5.292	5.294	(0.944)	122	163843	20.0000	19.7	80.00- 120.00	100.00
5.291	5.294	(0.943)	107	229289			111.45- 171.45	139.94
5.291	5.294	(0.943)	121	97909			28.89- 88.89	59.76
38 Bis(2-Chloroethoxy)methane							CAS #: 111-91-1	
5.367	5.369	(0.957)	93	237879	20.0000	19.7	80.00- 120.00	100.00
5.367	5.369	(0.957)	95	76409			3.06- 63.06	32.12
5.368	5.369	(0.957)	123	32516			0.00- 44.40	13.67
40 Benzoic Acid							CAS #: 65-85-0	
5.378	5.404	(0.959)	122	98639	20.0000	19.8	80.00- 120.00	100.00(H)
5.377	5.404	(0.959)	105	134386			107.67- 167.67	136.24
5.377	5.404	(0.959)	77	131831			104.37- 164.37	133.65
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.488	5.490	(0.979)	162	192036	20.0000	19.6	80.00- 120.00	100.00
5.489	5.490	(0.979)	164	126206			36.50- 96.50	65.72

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.488	5.490	(0.979)	98	65635			5.73- 65.73	34.18
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.553	5.555	(0.990)	180	235702	20.0000	19.2	80.00- 120.00	100.00
5.553	5.555	(0.990)	182	231397			67.47- 127.47	98.17
5.553	5.555	(0.990)	145	67534			0.00- 58.13	28.65
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.608	5.610	(1.000)	136	1097651	40.0000		80.00- 120.00	100.00
5.608	5.610	(1.000)	68	63536			0.00- 35.51	5.79
	44 Naphthalene					CAS #: 91-20-3		
5.628	5.630	(1.004)	128	564017	20.0000	20.0	80.00- 120.00	100.00
5.628	5.630	(1.003)	129	65856			0.00- 41.28	11.68
5.628	5.630	(1.003)	127	76455			0.00- 43.27	13.56
	45 4-Chloroaniline					CAS #: 106-47-8		
5.679	5.681	(1.013)	127	234770	20.0000	19.8	80.00- 120.00	100.00
5.679	5.681	(1.013)	129	73668			2.39- 62.39	31.38
5.678	5.681	(1.013)	65	98191			11.54- 71.54	41.82
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.745	5.746	(1.024)	225	186480	20.0000	19.9	80.00- 120.00	100.00
5.745	5.746	(1.024)	223	112429			32.02- 92.02	60.29
5.745	5.746	(1.024)	227	123301			34.54- 94.54	66.12
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.159	6.158	(1.098)	107	187775	20.0000	19.9	80.00- 120.00	100.00
6.159	6.158	(1.098)	144	44892			0.00- 55.95	23.91
6.159	6.158	(1.098)	142	137846			44.47- 104.47	73.41
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.287	6.289	(1.121)	142	399817	20.0000	19.5	80.00- 120.00	100.00
6.287	6.289	(1.121)	141	347464			58.08- 118.08	86.91
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.384	6.385	(1.138)	142	370212	20.0000	19.9	80.00- 120.00	100.00
6.384	6.385	(1.138)	141	325243			61.72- 121.72	87.85
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.443	6.445	(0.882)	237	229992	20.0000	19.8	80.00- 120.00	100.00
6.443	6.445	(0.882)	235	140845			33.37- 93.37	61.24
6.443	6.445	(0.882)	272	31414			0.00- 43.74	13.66
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.621	6.620	(0.906)	196	179086	20.0000	19.5	80.00- 120.00	100.00
6.621	6.620	(0.906)	198	177960			67.07- 127.07	99.37
6.621	6.620	(0.906)	200	56456			1.30- 61.30	31.52
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.569	6.570	(0.899)	196	166947	20.0000	19.7	80.00- 120.00	100.00
6.569	6.570	(0.899)	198	163108			69.46- 129.46	97.70

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.568	6.570	(0.899)	97	104746			34.72- 94.72	62.74
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.642	6.644	(0.909)	172	565661	20.0000	19.8	80.00- 120.00	100.00
6.642	6.644	(0.909)	171	201237			5.03- 65.03	35.58
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.760	6.763	(0.925)	162	430787	20.0000	19.9	80.00- 120.00	100.00
6.760	6.763	(0.925)	164	143250			4.20- 64.20	33.25
6.759	6.763	(0.925)	127	163219			7.85- 67.85	37.89
63 2-Nitroaniline						CAS #: 88-74-4		
6.865	6.869	(0.940)	65	149999	20.0000	20.1	80.00- 120.00	100.00
6.865	6.869	(0.940)	92	90426			30.25- 90.25	60.28
6.866	6.869	(0.940)	138	122637			52.43- 112.43	81.76
65 Dimethylphthalate						CAS #: 131-11-3		
7.035	7.040	(0.963)	163	507937	20.0000	20.4	80.00- 120.00	100.00
7.036	7.040	(0.963)	194	27737			0.00- 35.55	5.46
7.035	7.040	(0.963)	164	52297			0.00- 40.55	10.30
68 Acenaphthylene						CAS #: 208-96-8		
7.164	7.167	(0.981)	152	647847	20.0000	20.3	80.00- 120.00	100.00
7.164	7.167	(0.981)	151	127691			0.00- 50.50	19.71
7.164	7.167	(0.981)	153	84919			0.00- 43.76	13.11
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.097	7.100	(0.972)	165	110771	20.0000	19.7	80.00- 120.00	100.00
7.096	7.100	(0.971)	89	86933			49.02- 109.02	78.48
7.096	7.100	(0.971)	63	83264			44.86- 104.86	75.17
69 3-Nitroaniline						CAS #: 99-09-2		
7.267	7.271	(0.995)	138	101770	20.0000	20.4	80.00- 120.00	100.00
7.268	7.271	(0.995)	108	10796			0.00- 41.32	10.61
7.267	7.271	(0.995)	92	134189			100.05- 160.05	131.86
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.305	7.305	(1.000)	164	737285	40.0000		80.00- 120.00	100.00
7.305	7.305	(1.000)	162	717444			64.73- 124.73	97.31
7.304	7.305	(1.000)	160	320070			12.46- 72.46	43.41
71 Acenaphthene						CAS #: 83-32-9		
7.335	7.338	(1.004)	154	381421	20.0000	19.7	80.00- 120.00	100.00
7.335	7.338	(1.004)	153	416584			78.46- 138.46	109.22
7.335	7.338	(1.004)	152	203230			23.44- 83.44	53.28
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.366	7.369	(1.008)	184	52313	20.0000	19.1	80.00- 120.00	100.00
7.365	7.369	(1.008)	63	43539			48.07- 108.07	83.23
7.366	7.369	(1.008)	154	36221			39.61- 99.61	69.24
74 4-Nitrophenol						CAS #: 100-02-7		
7.478	7.476	(1.024)	109	112095	20.0000	20.7	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.478	7.476	(1.024)	139	56714			26.63- 86.63	50.59
7.478	7.476	(1.024)	65	125226			81.59- 141.59	111.71
	75 Dibenzofuran					CAS #: 132-64-9		
7.503	7.506	(1.027)	168	620319	20.0000	19.7	80.00- 120.00	100.00
7.503	7.506	(1.027)	139	273996			12.75- 72.75	44.17
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.490	7.494	(1.025)	165	151592	20.0000	19.3	80.00- 120.00	100.00
7.489	7.494	(1.025)	63	171267			82.10- 142.10	112.98
7.489	7.494	(1.025)	89	156676			72.08- 132.08	103.35
	80 Diethylphthalate					CAS #: 84-66-2		
7.725	7.729	(1.058)	149	452067	20.0000	19.7	80.00- 120.00	100.00
7.725	7.729	(1.058)	177	104019			0.00- 53.36	23.01
7.724	7.729	(1.057)	150	57362			0.00- 42.43	12.69
	81 Fluorene					CAS #: 86-73-7		
7.838	7.841	(1.073)	166	519901	20.0000	19.0	80.00- 120.00	100.00
7.838	7.841	(1.073)	165	500340			65.55- 125.55	96.24
7.838	7.841	(1.073)	167	73112			0.00- 44.15	14.06
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.836	7.838	(1.073)	204	302999	20.0000	18.5	80.00- 120.00	100.00
7.836	7.838	(1.073)	206	107399			4.27- 64.27	35.45
7.835	7.838	(1.073)	141	172506			24.97- 84.97	56.93
	84 4-Nitroaniline					CAS #: 100-01-6		
7.867	7.874	(1.077)	138	79568	20.0000	18.4	80.00- 120.00	100.00
7.867	7.874	(1.077)	92	49185			38.02- 98.02	61.82
7.867	7.874	(1.077)	108	117028			124.92- 184.92	147.08
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.890	7.896	(0.901)	198	94845	20.0000	18.8	80.00- 120.00	100.00
7.888	7.896	(0.901)	51	37292			6.77- 66.77	39.32
7.889	7.896	(0.901)	105	37667			8.50- 68.50	39.71
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.953	7.956	(0.908)	169	333827	20.0000	19.8	80.00- 120.00	100.00
7.953	7.956	(0.908)	168	219871			36.61- 96.61	65.86
7.953	7.956	(0.908)	167	115318			4.62- 64.62	34.54
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.991	7.992	(1.094)	77	538798	20.0000	20.4	80.00- 120.00	100.00
7.991	7.992	(1.094)	105	68688			0.00- 43.34	12.75
7.992	7.992	(1.094)	182	137619			0.00- 56.11	25.54
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.080	8.083	(1.106)	330	201055	40.0000	39.0	80.00- 120.00	100.00
8.080	8.083	(1.106)	332	194063			66.43- 126.43	96.52
8.078	8.083	(1.106)	141	78016			9.24- 69.24	38.80

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.315	8.318	(0.949)	248	188707	20.0000	19.3	80.00- 120.00	100.00
8.315	8.318	(0.949)	250	182352			67.36- 127.36	96.63
8.314	8.318	(0.949)	141	124722			35.77- 95.77	66.09
94 Hexachlorobenzene							CAS #: 118-74-1	
8.382	8.387	(0.957)	284	210587	20.0000	18.8	80.00- 120.00	100.00
8.381	8.387	(0.957)	142	69253			2.39- 62.39	32.89
8.383	8.387	(0.957)	249	66589			0.06- 60.06	31.62
96 Pentachlorophenol							CAS #: 87-86-5	
8.582	8.585	(0.980)	266	122087	20.0000	18.5	80.00- 120.00	100.00
8.583	8.585	(0.980)	264	74576			33.70- 93.70	61.08
8.582	8.585	(0.980)	268	78436			35.26- 95.26	64.25
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.759	8.761	(1.000)	188	1335991	40.0000		80.00- 120.00	100.00
8.759	8.761	(1.000)	94	83163			0.00- 36.35	6.22
8.759	8.761	(1.000)	80	98267			0.00- 37.82	7.36
101 Phenanthrene							CAS #: 85-01-8	
8.782	8.785	(1.003)	178	680928	20.0000	19.8	80.00- 120.00	100.00
8.781	8.785	(1.003)	179	106685			0.00- 46.33	15.67
8.782	8.785	(1.003)	176	133399			0.00- 50.11	19.59
103 Anthracene							CAS #: 120-12-7	
8.831	8.835	(1.008)	178	683801	20.0000	19.9	80.00- 120.00	100.00
8.831	8.835	(1.008)	179	106675			0.00- 45.97	15.60
8.831	8.835	(1.008)	176	131008			0.00- 49.80	19.16
104 Carbazole							CAS #: 86-74-8	
8.993	8.996	(1.027)	167	574636	20.0000	20.1	80.00- 120.00	100.00
8.992	8.996	(1.027)	139	81024			0.00- 43.89	14.10
8.993	8.996	(1.027)	83	35170			0.00- 36.17	6.12
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.324	9.327	(1.064)	149	733951	20.0000	20.4	80.00- 120.00	100.00
9.324	9.327	(1.064)	150	67770			0.00- 40.04	9.23
9.323	9.327	(1.064)	104	54081			0.00- 37.79	7.37
109 Fluoranthene							CAS #: 206-44-0	
9.949	9.953	(1.136)	202	804313	20.0000	20.4	80.00- 120.00	100.00
9.947	9.953	(1.136)	101	50099			0.00- 36.69	6.23
9.949	9.953	(1.136)	203	143367			0.00- 48.82	17.82
111 Pyrene							CAS #: 129-00-0	
10.172	10.176	(0.896)	202	858467	20.0000	22.1	80.00- 120.00	100.00
10.172	10.176	(0.896)	200	180896			0.00- 51.88	21.07
10.172	10.176	(0.896)	203	154676			0.00- 49.33	18.02
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.319	10.322	(0.909)	244	802882	20.0000	21.8	80.00- 120.00	100.00
10.318	10.322	(0.909)	122	52321			0.00- 36.72	6.52

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.319	10.322	(0.909)	212	62098			0.00- 38.06	7.73
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.795	10.798	(0.951)	149	347299	20.0000	20.6	80.00- 120.00	100.00
10.794	10.798	(0.951)	91	281379			51.57- 111.57	81.02
10.795	10.798	(0.951)	206	89997			0.00- 55.14	25.91
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.345	11.348	(0.999)	228	1039370	20.0000	21.2	80.00- 120.00	100.00
11.345	11.348	(0.999)	229	207770			0.00- 51.57	19.99
11.345	11.348	(0.999)	226	285010			0.00- 58.54	27.42
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.356	11.359	(1.000)	240	1956550	40.0000		80.00- 120.00	100.00
11.355	11.359	(1.000)	120	115822			0.00- 36.38	5.92
11.356	11.359	(1.000)	236	523119			0.00- 57.06	26.74
123 Chrysene						CAS #: 218-01-9		
11.380	11.384	(1.002)	228	957046	20.0000	22.2	80.00- 120.00	100.00
11.380	11.384	(1.002)	226	282056			1.12- 61.12	29.47
11.380	11.384	(1.002)	229	190096			0.00- 51.74	19.86
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.348	11.350	(0.999)	149	596210	20.0000	20.5	80.00- 120.00	100.00
11.348	11.350	(0.999)	167	176172			2.07- 62.07	29.55
11.350	11.350	(0.999)	279	54251			0.00- 39.24	9.10
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.946	11.948	(0.942)	149	833193	20.0000	20.3	80.00- 120.00	100.00
11.946	11.948	(0.942)	167	13921			0.00- 31.74	1.67
11.945	11.948	(0.942)	43	66756			0.00- 38.21	8.01
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.330	12.333	(0.972)	252	1022887	20.0000	20.2	80.00- 120.00	100.00
12.330	12.333	(0.972)	253	233718			0.00- 54.02	22.85
12.329	12.333	(0.972)	125	46734			0.00- 34.93	4.57
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.355	12.359	(0.974)	252	1031341	20.0000	20.3	80.00- 120.00	100.00
12.355	12.359	(0.974)	253	235695			0.00- 53.57	22.85
12.354	12.359	(0.974)	125	50640			0.00- 35.26	4.91
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.627	12.630	(0.996)	252	1009357	20.0000	20.4	80.00- 120.00	100.00
12.627	12.630	(0.996)	253	218312			0.00- 54.04	21.63
12.626	12.630	(0.996)	125	55134			0.00- 35.52	5.46
* 130 Perylene-d12						CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	1902117	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	468929			0.00- 54.80	24.65
12.682	12.682	(1.000)	265	442881			0.00- 53.39	23.28

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.742	13.749	(1.084)	276	1258717	20.0000	20.4	80.00- 120.00	100.00
13.741	13.749	(1.084)	138	144034			0.00- 42.48	11.44
13.743	13.749	(1.084)	277	329301			0.00- 56.82	26.16
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.749	13.755	(1.084)	278	1091651	20.0000	20.3	80.00- 120.00	100.00
13.747	13.755	(1.084)	139	77077			0.00- 37.70	7.06
13.749	13.755	(1.084)	279	256180			0.00- 54.57	23.47
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.047	14.053	(1.108)	276	1015038	20.0000	21.6	80.00- 120.00	100.00
14.045	14.053	(1.107)	138	97351			0.00- 40.01	9.59
14.046	14.053	(1.108)	277	239700			0.00- 54.80	23.61

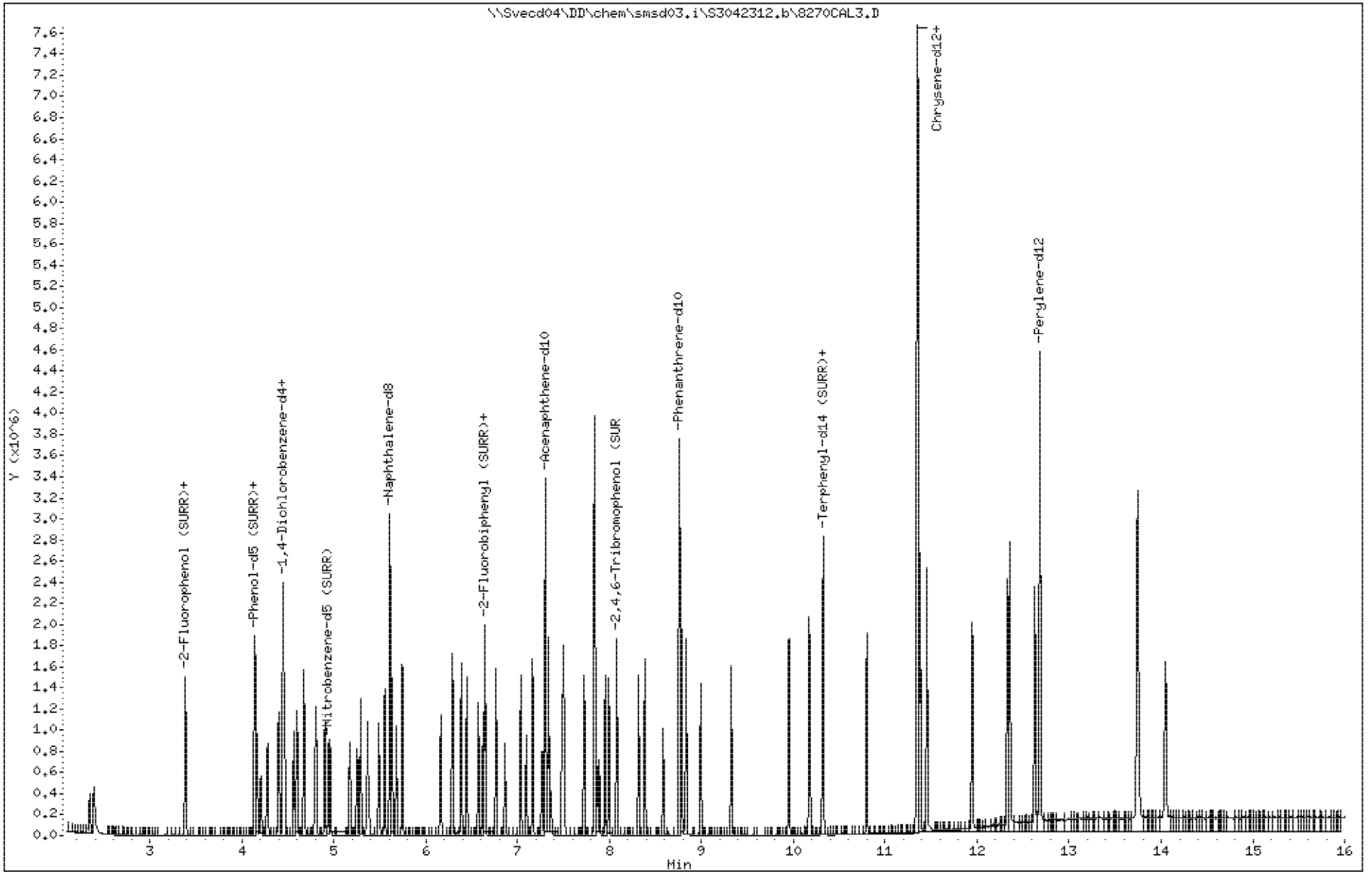
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D
Date : 23-APR-2012 11:58
Client ID: 8270CAL3
Instrument: smsd03.i
Sample Info: 45925
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1220

3505835



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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

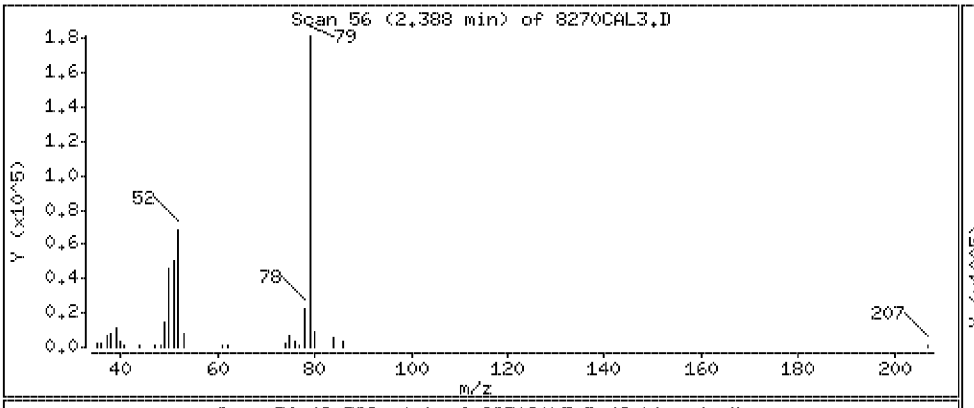
Operator: PEL

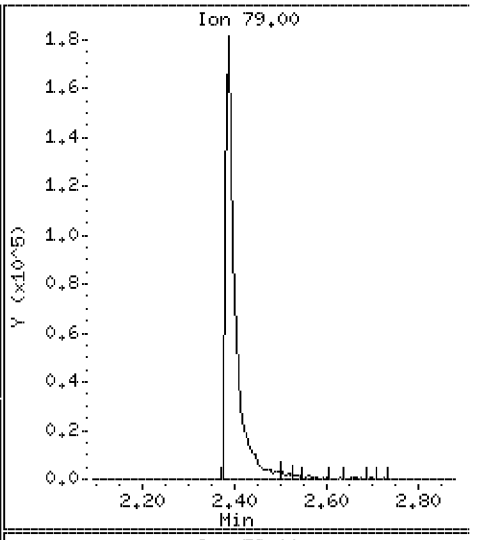
Column phase: HPMS-5

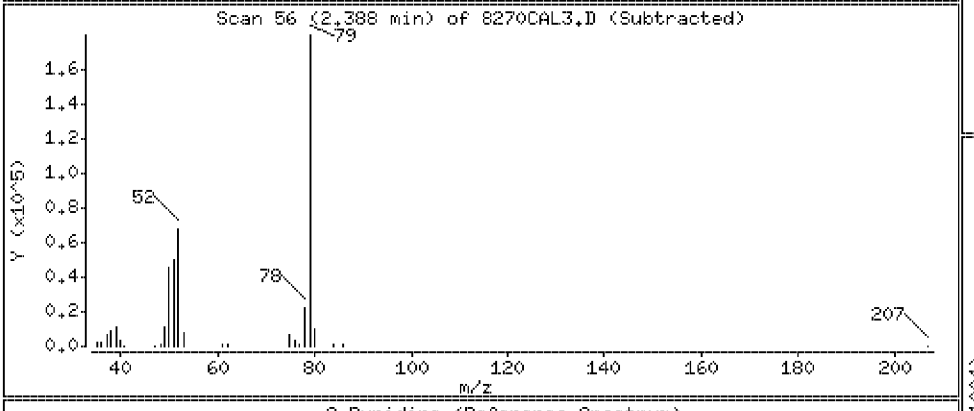
Column diameter: 0.25

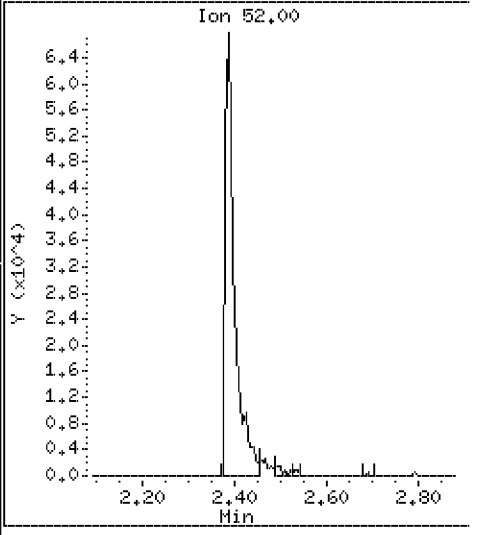
2 Pyridine

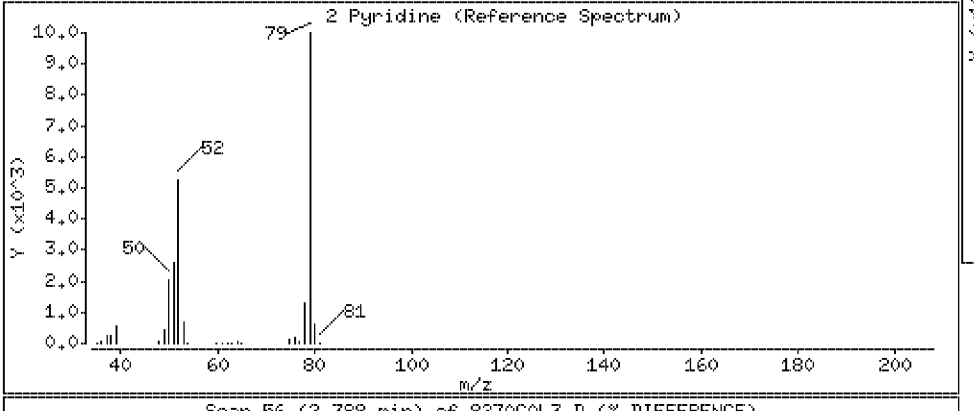
Concentration: 20.3 ug/l

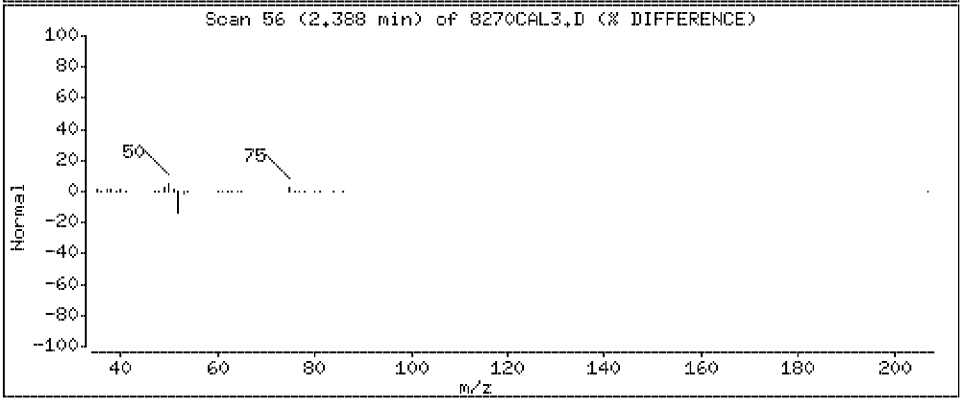












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

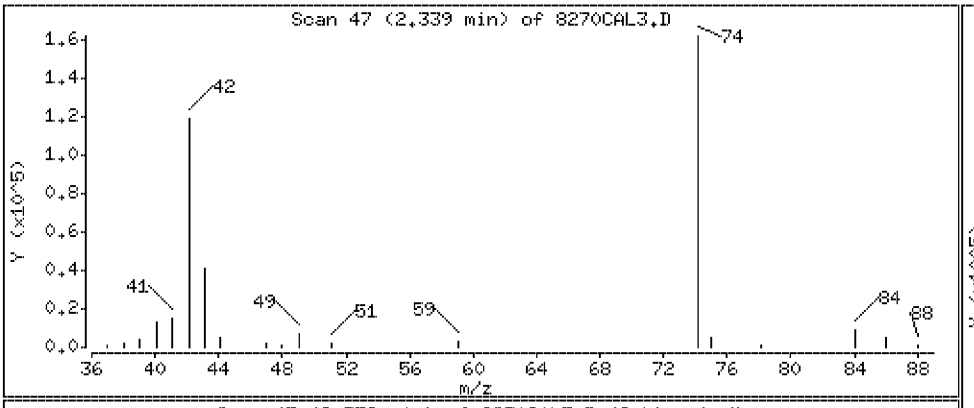
Operator: PEL

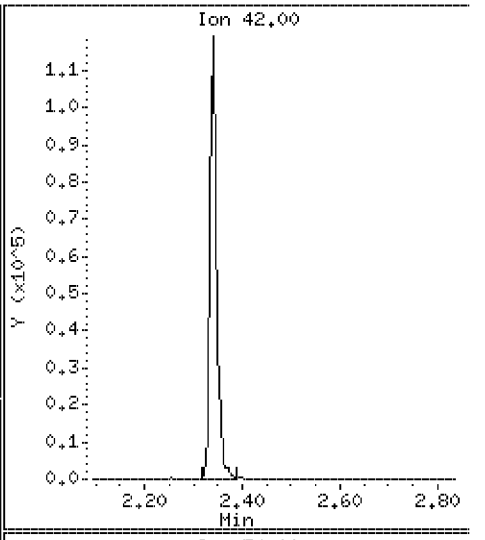
Column phase: HPMS-5

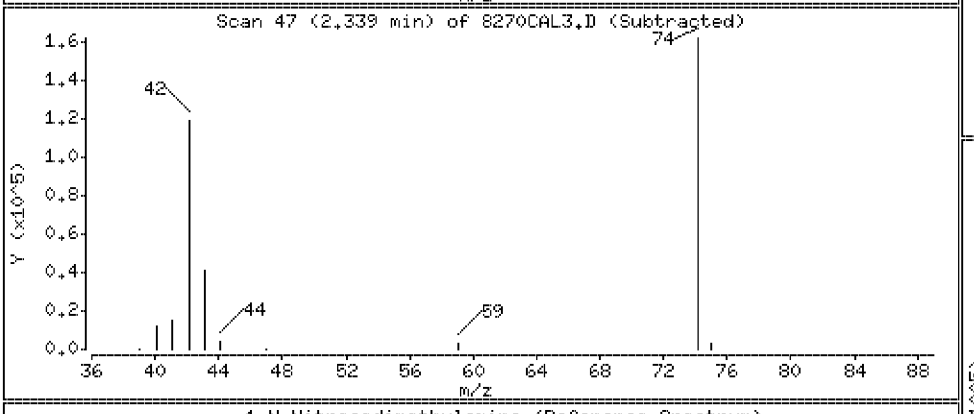
Column diameter: 0.25

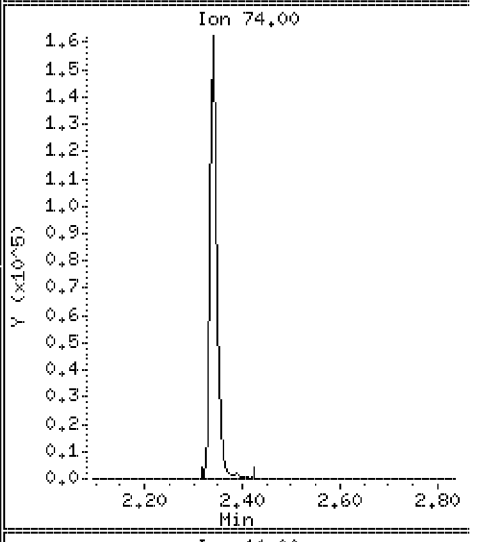
1 N-Nitrosodimethylamine

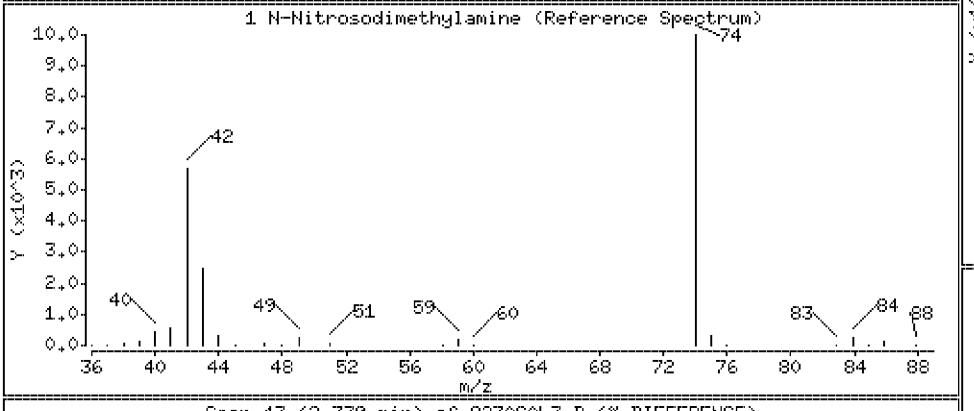
Concentration: 20.0 ug/l

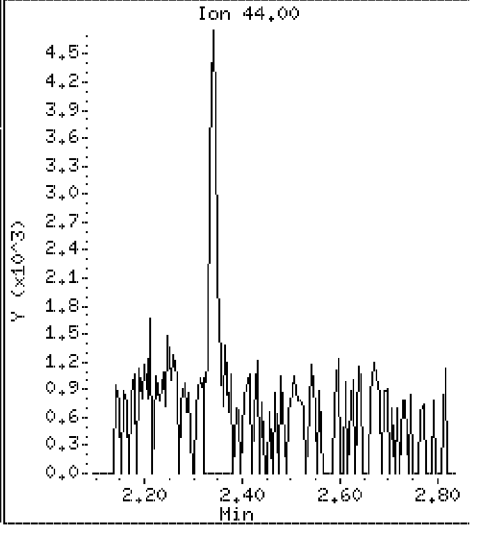


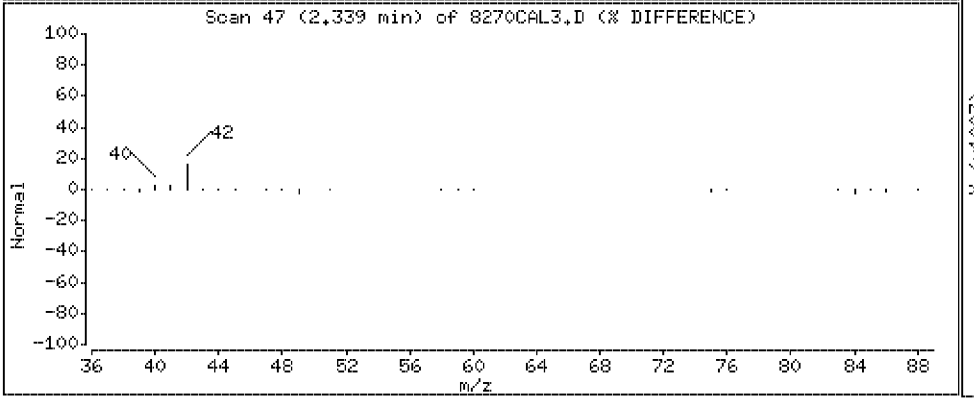












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

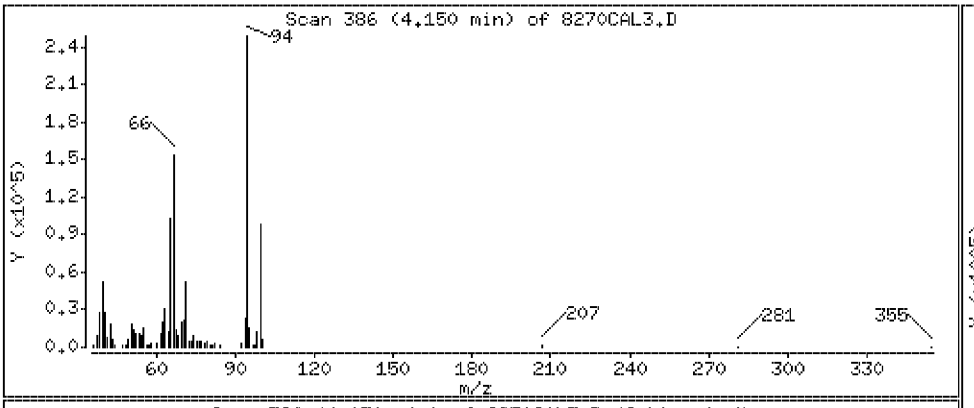
Operator: PEL

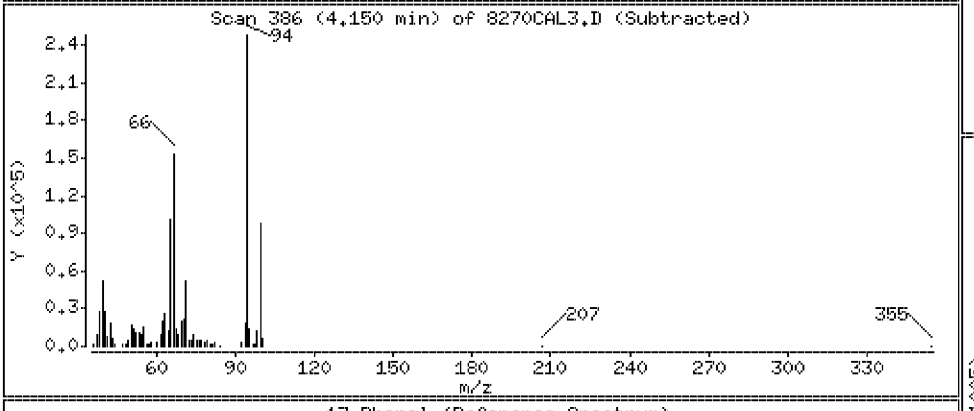
Column phase: HPMS-5

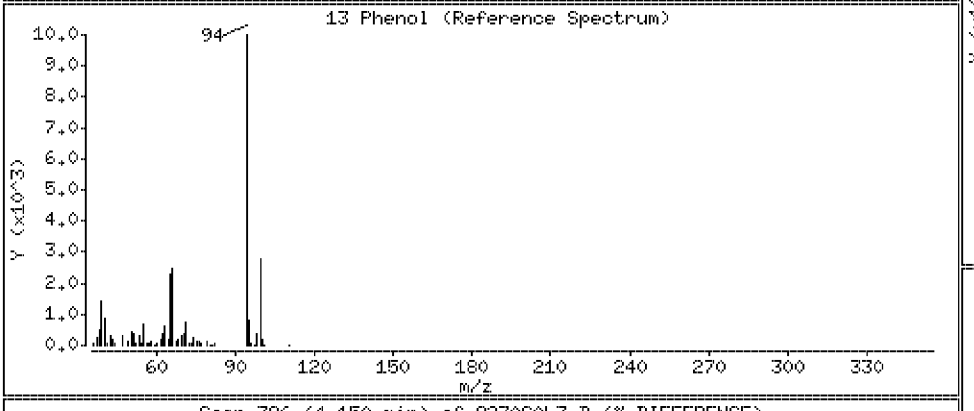
Column diameter: 0.25

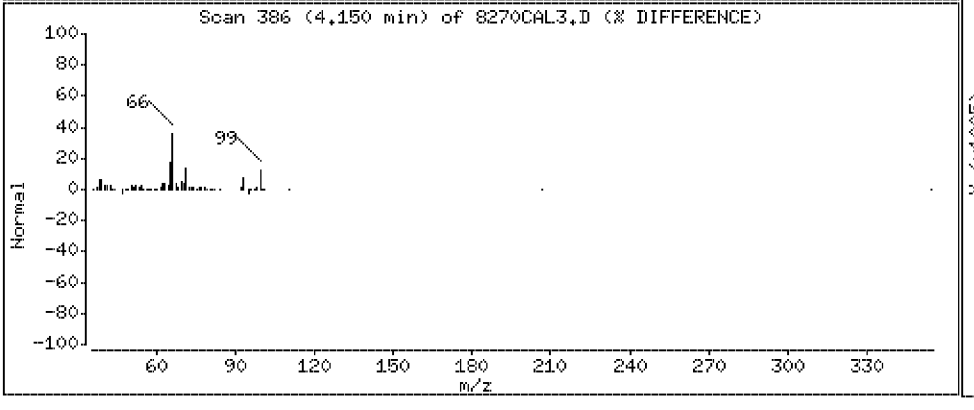
13 Phenol

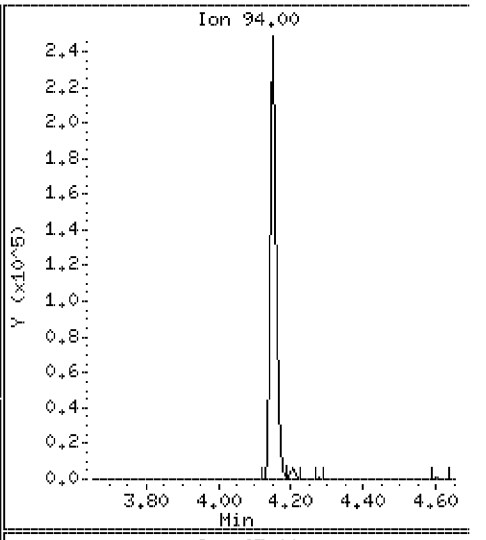
Concentration: 19.2 ug/l

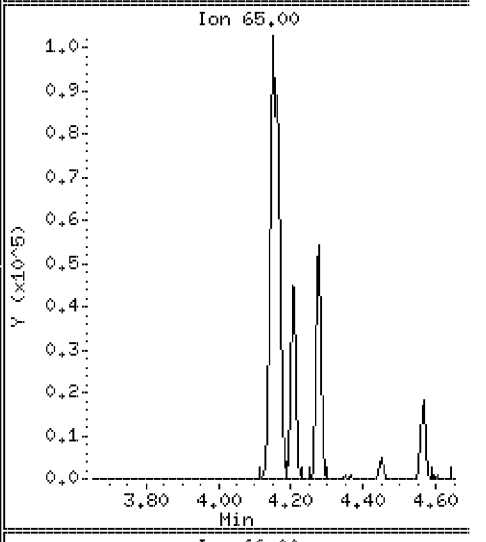


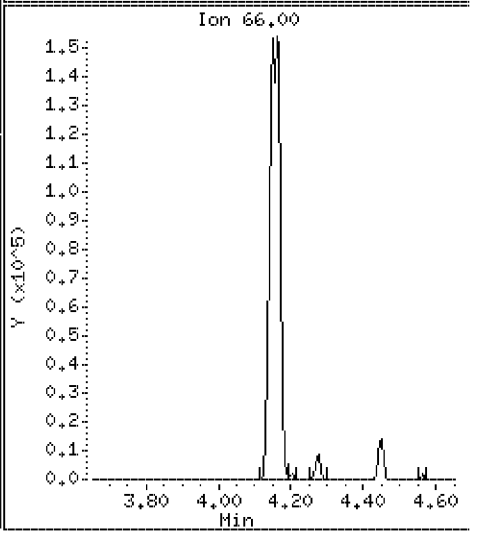












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

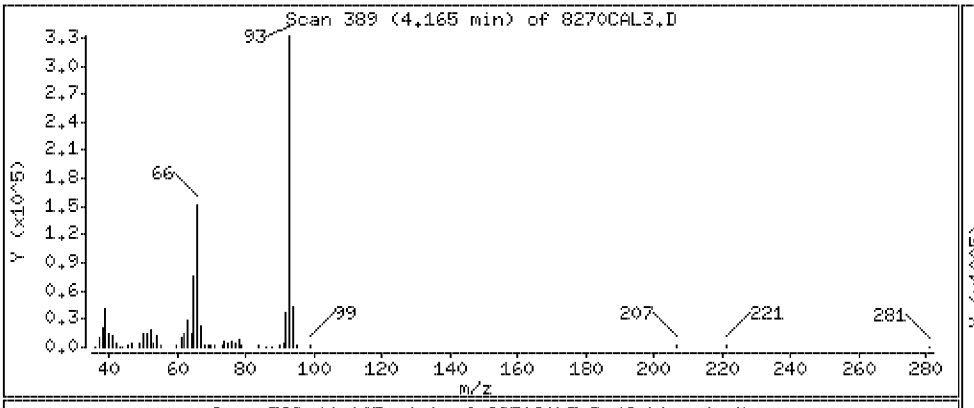
Operator: PEL

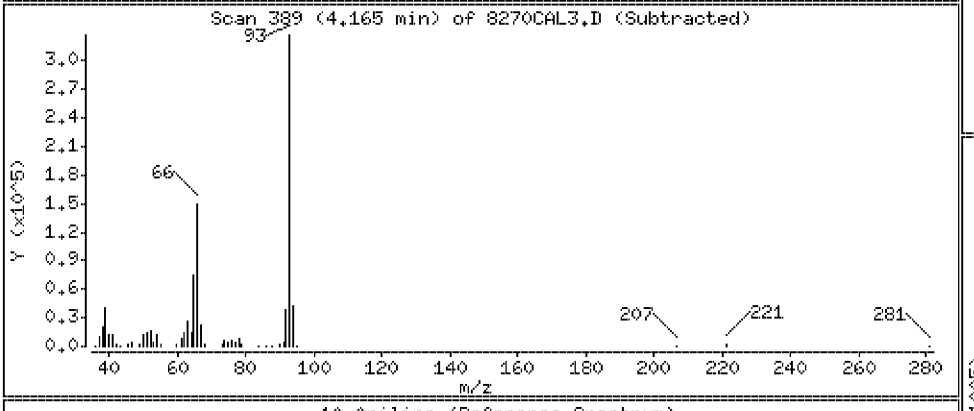
Column phase: HPMS-5

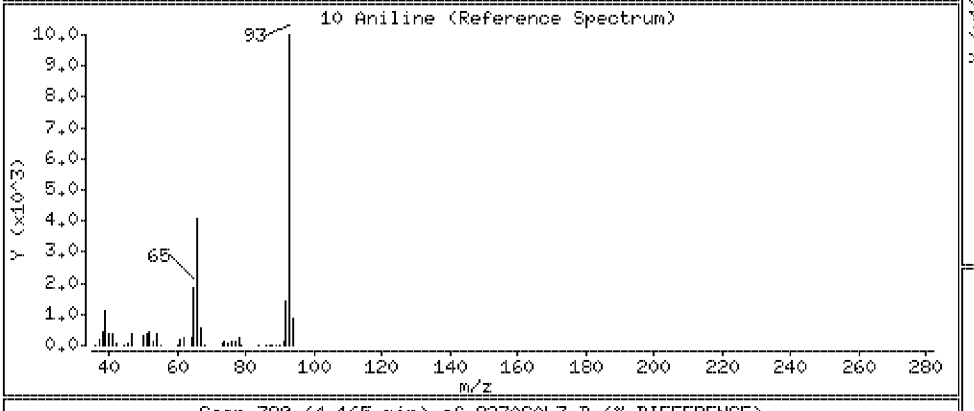
Column diameter: 0.25

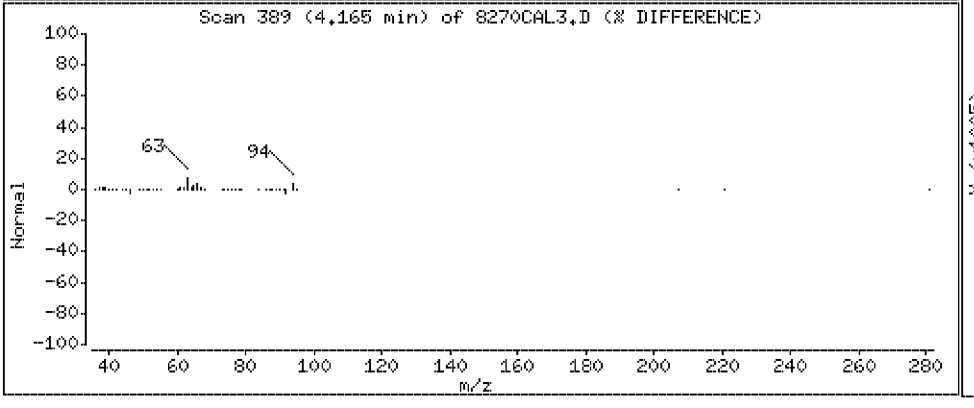
10 Aniline

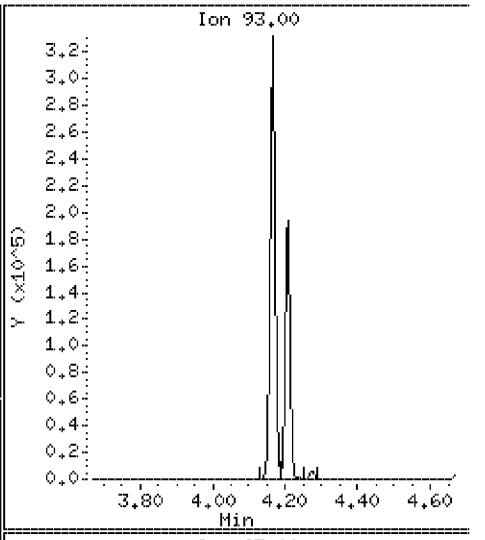
Concentration: 20.5 ug/l

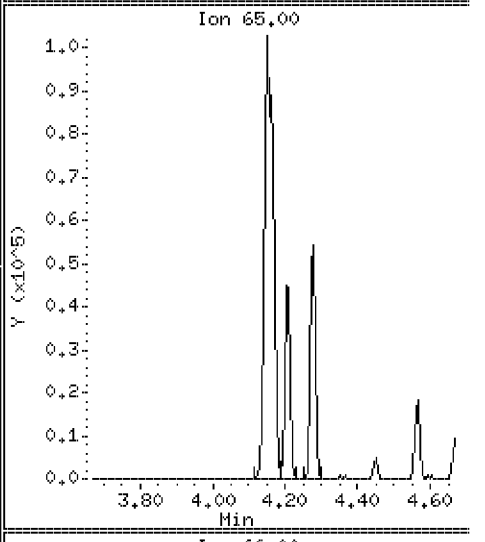


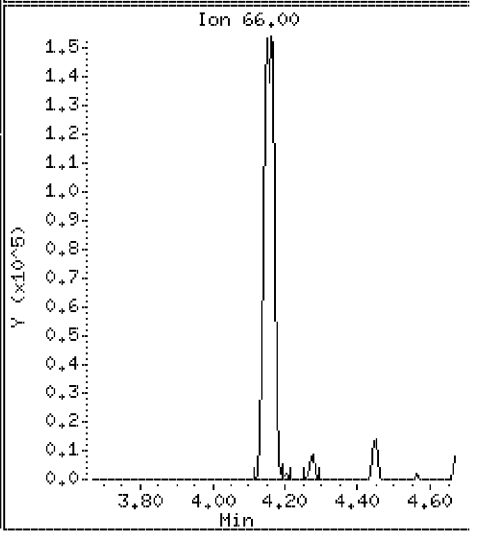












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

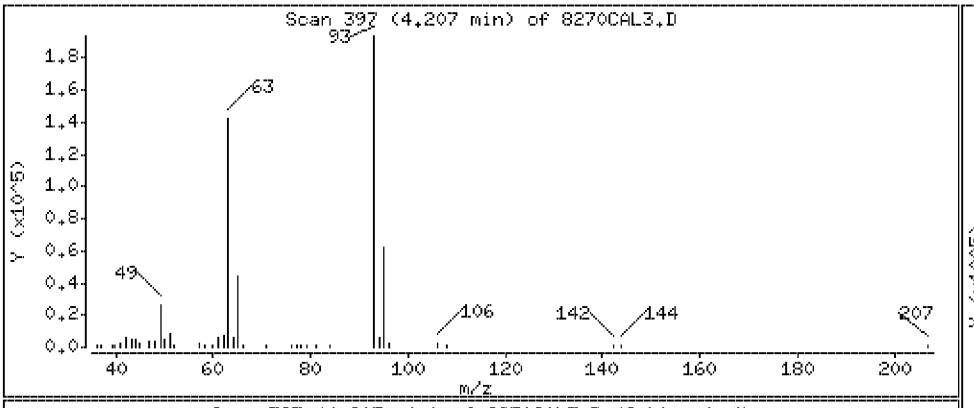
Operator: PEL

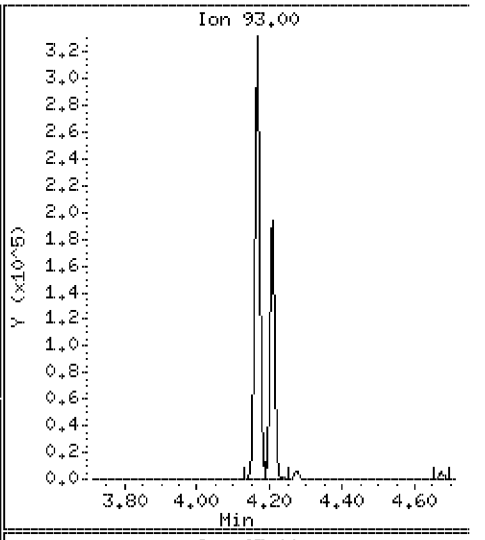
Column phase: HPMS-5

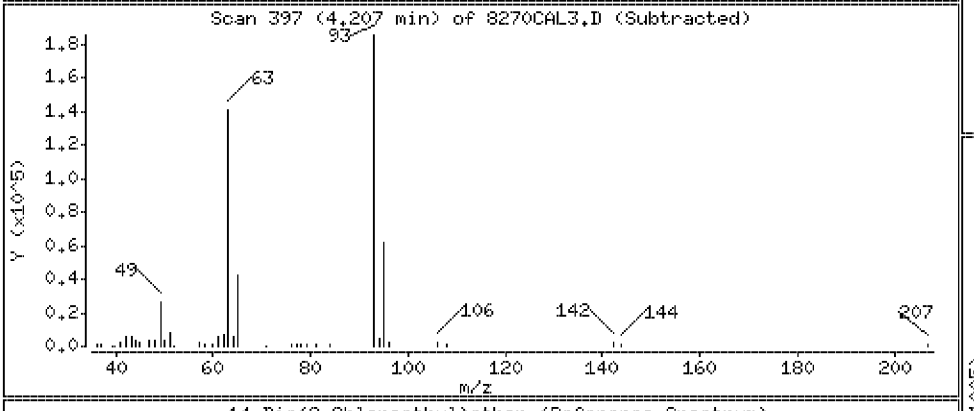
Column diameter: 0.25

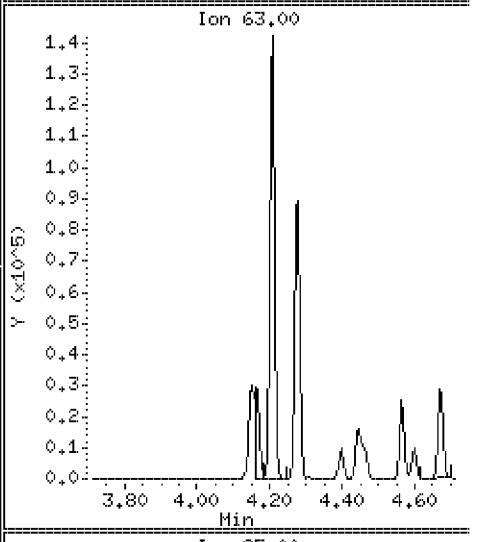
14 Bis(2-Chloroethyl)ether

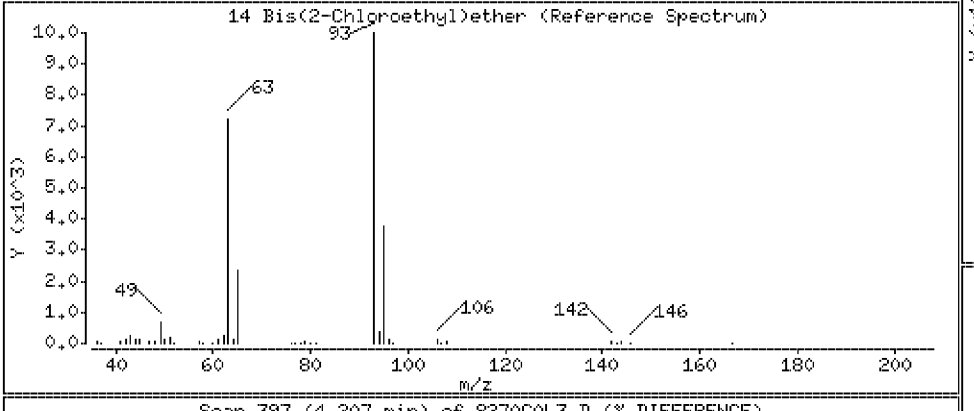
Concentration: 20.0 ug/l

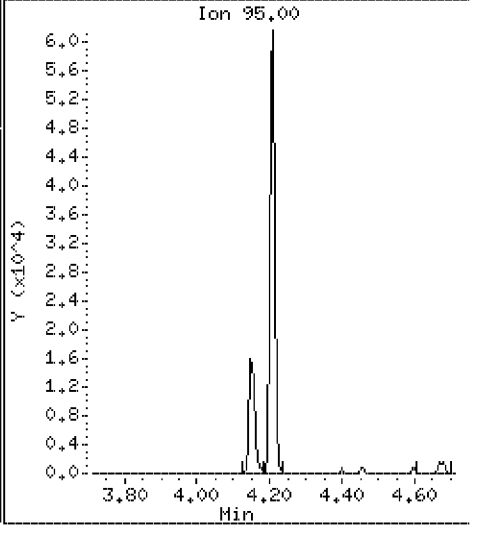


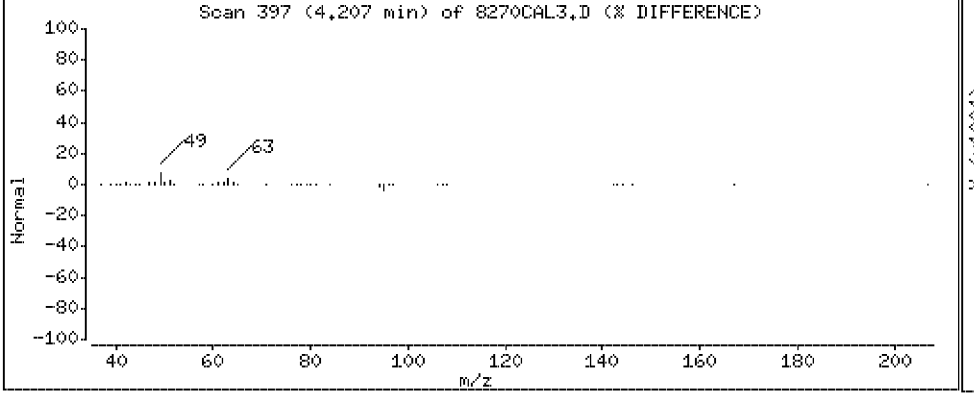












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

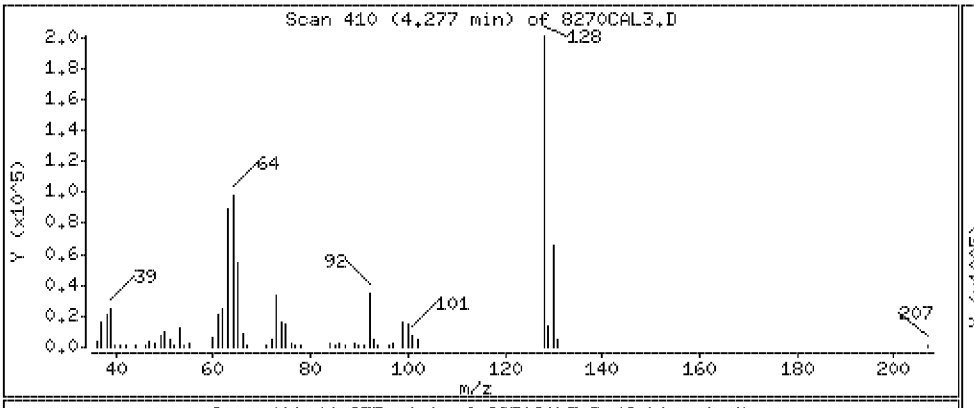
Operator: PEL

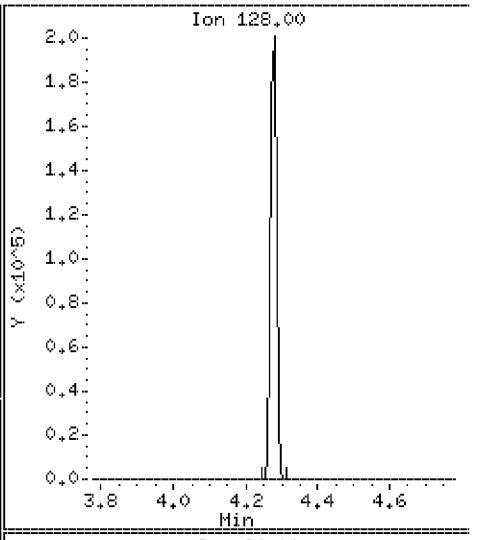
Column phase: HPMS-5

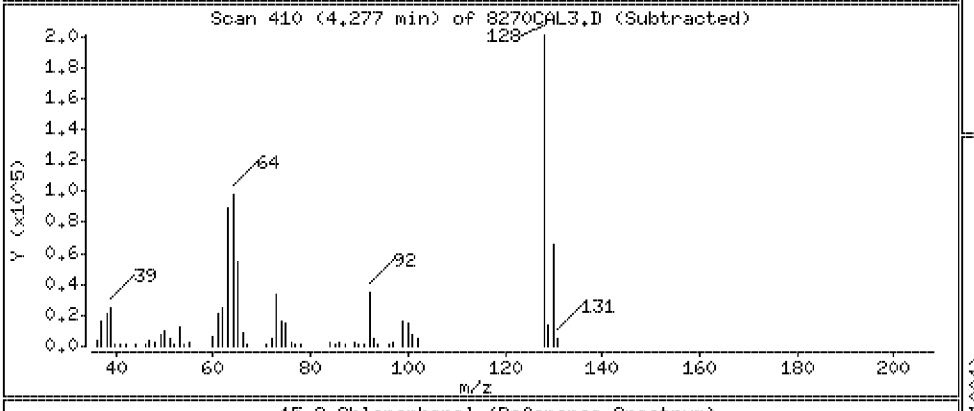
Column diameter: 0.25

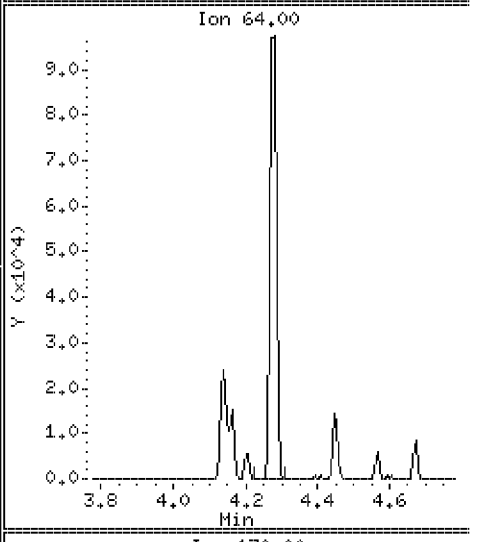
15 2-Chlorophenol

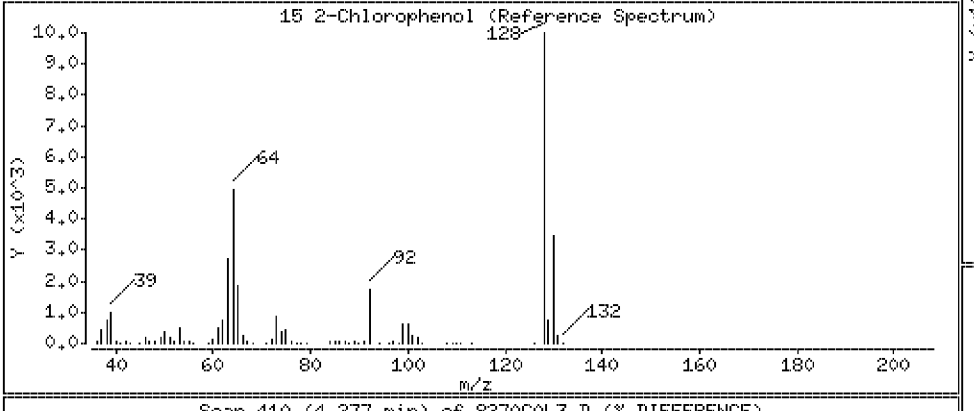
Concentration: 19.8 ug/l

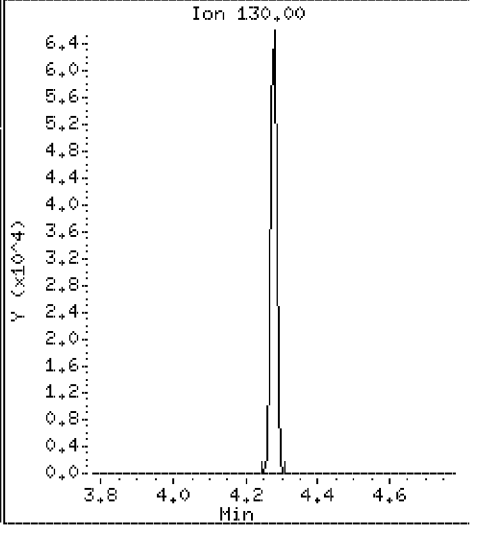


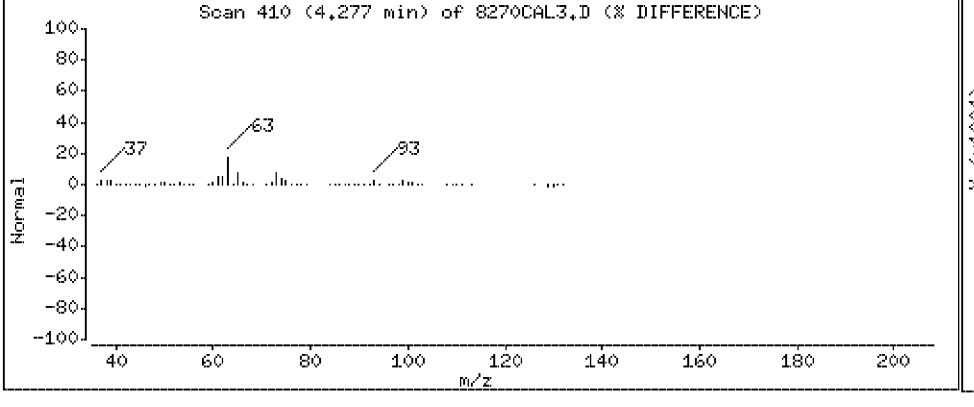












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

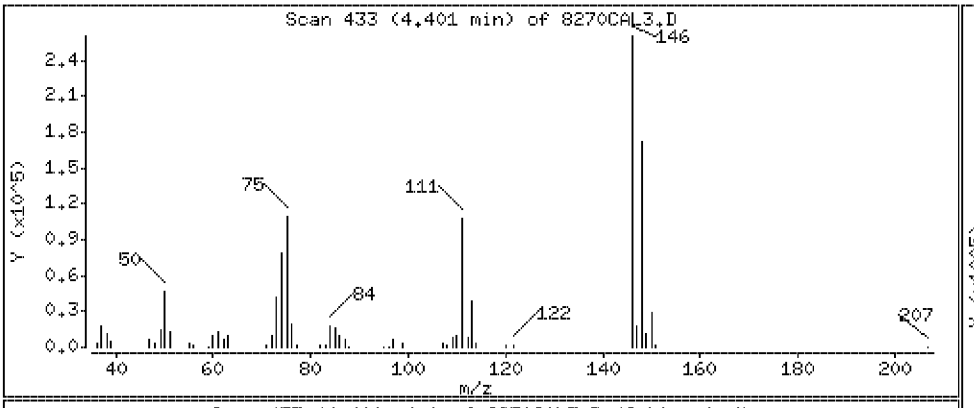
Operator: PEL

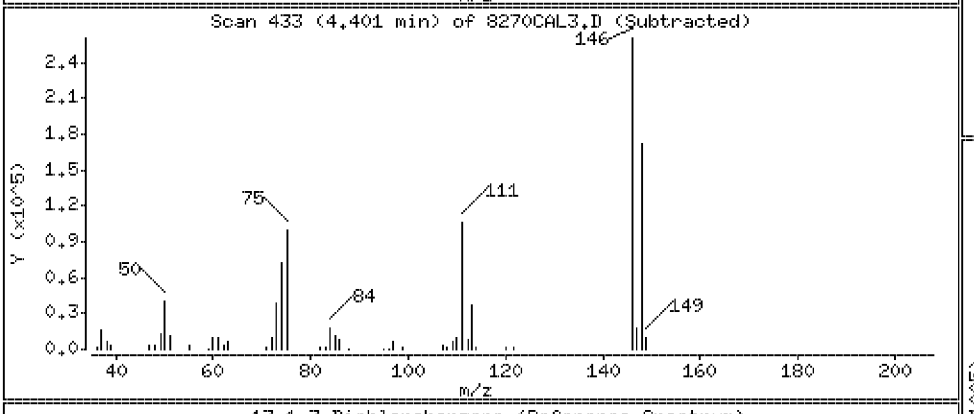
Column phase: HPMS-5

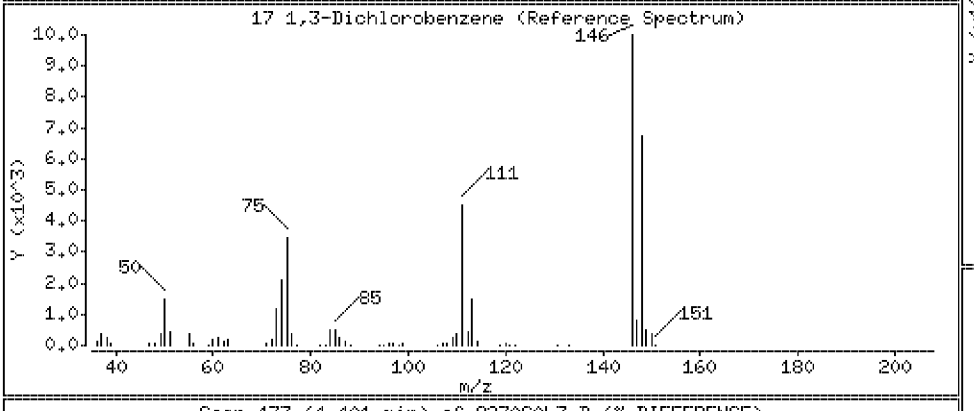
Column diameter: 0.25

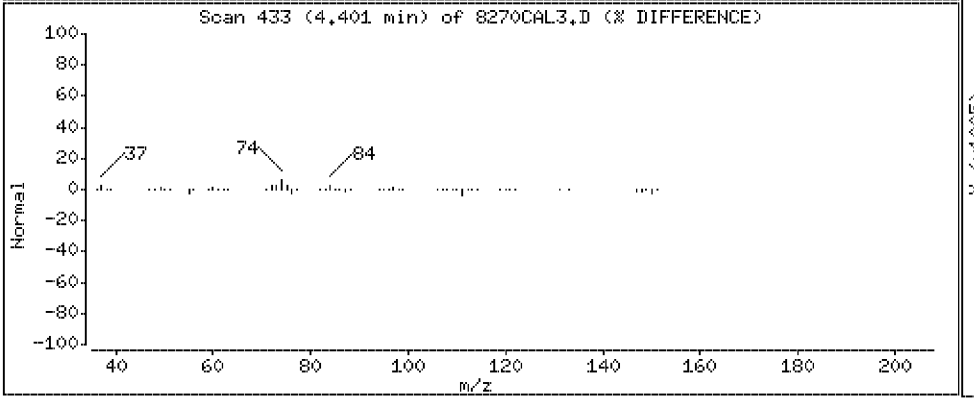
17 1,3-Dichlorobenzene

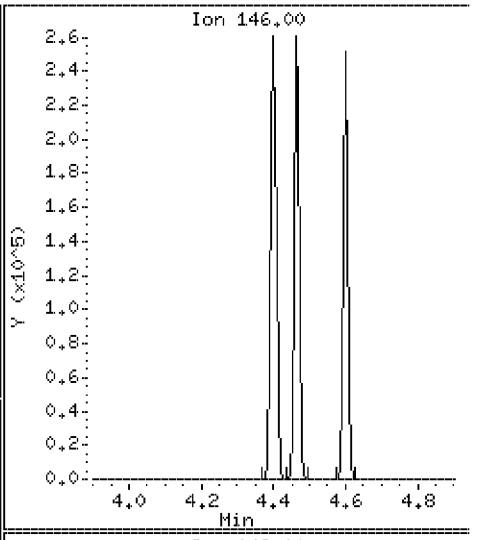
Concentration: 20.0 ug/l

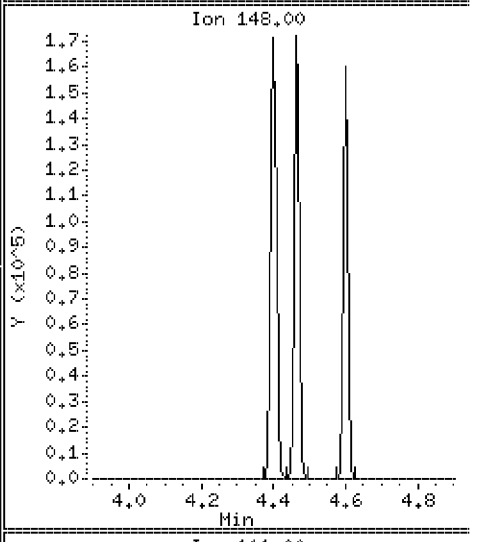


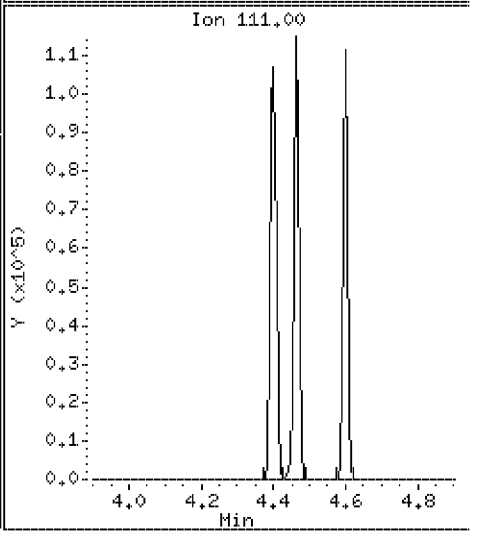












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

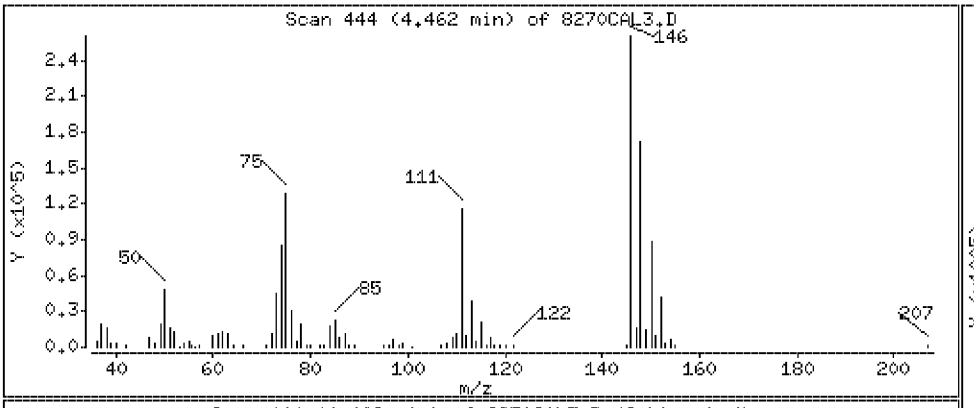
Operator: PEL

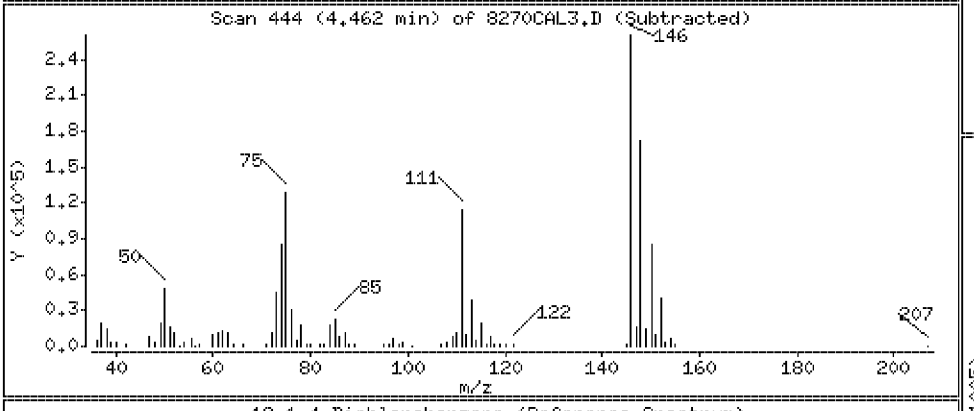
Column phase: HPMS-5

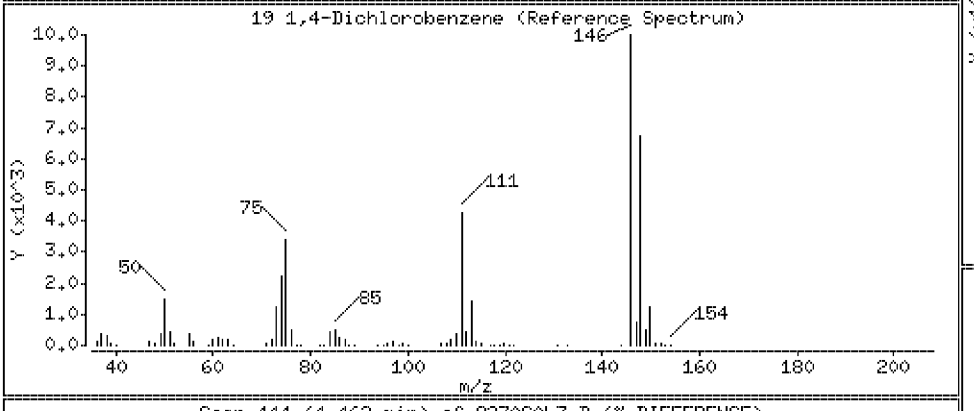
Column diameter: 0.25

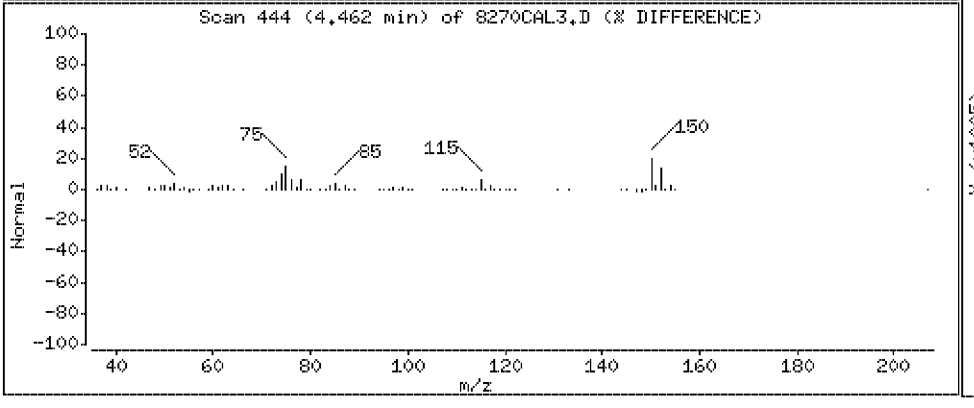
19 1,4-Dichlorobenzene

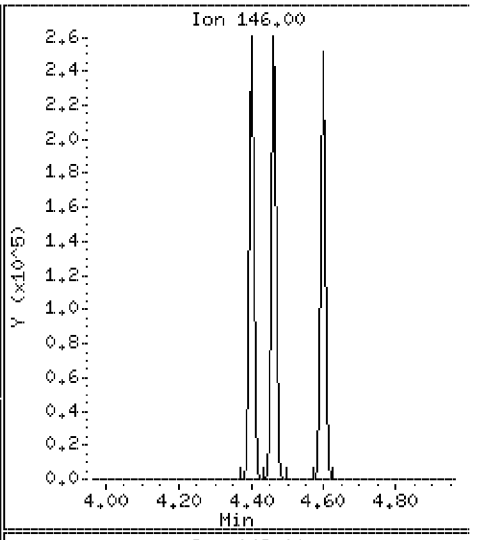
Concentration: 19.6 ug/l

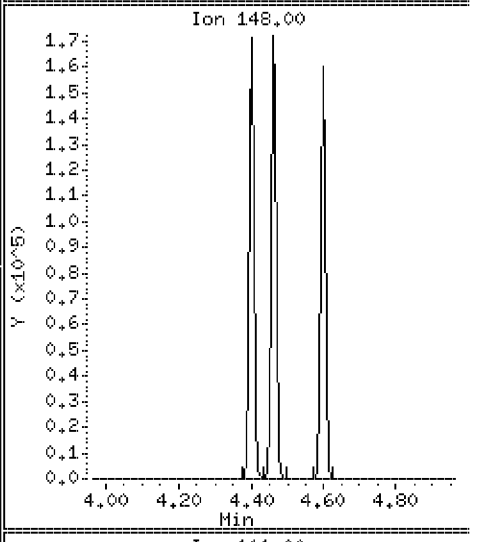


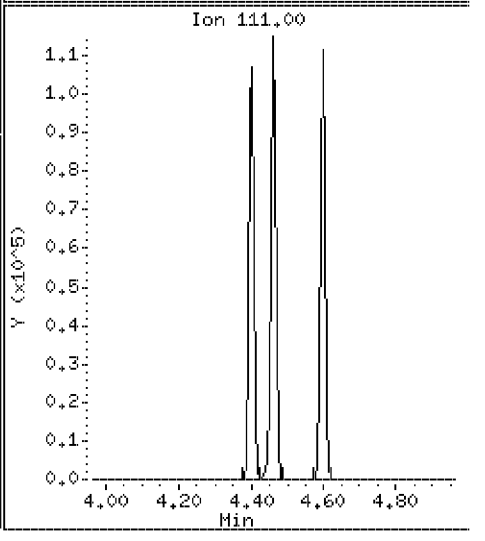












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

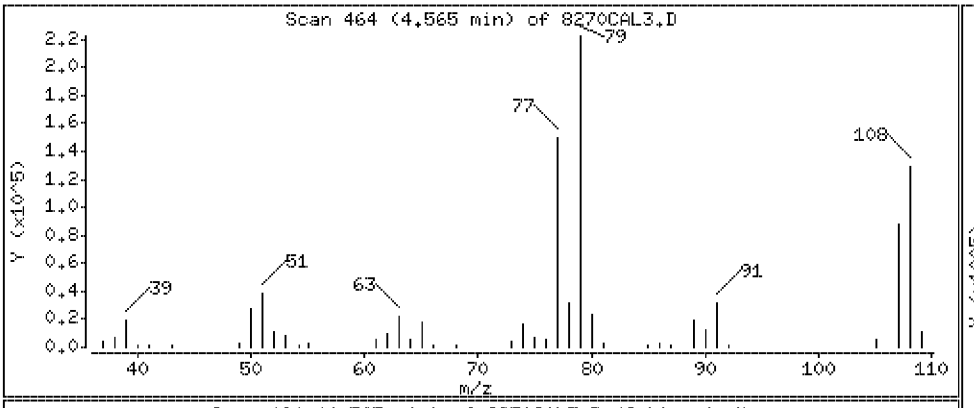
Operator: PEL

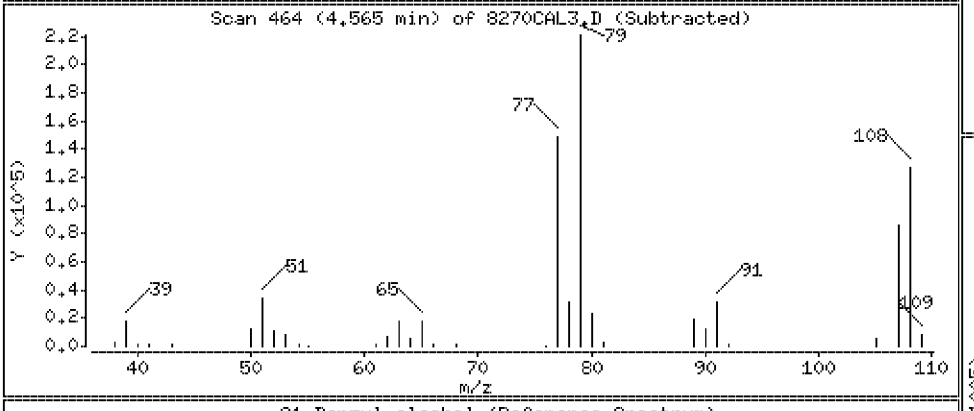
Column phase: HPMS-5

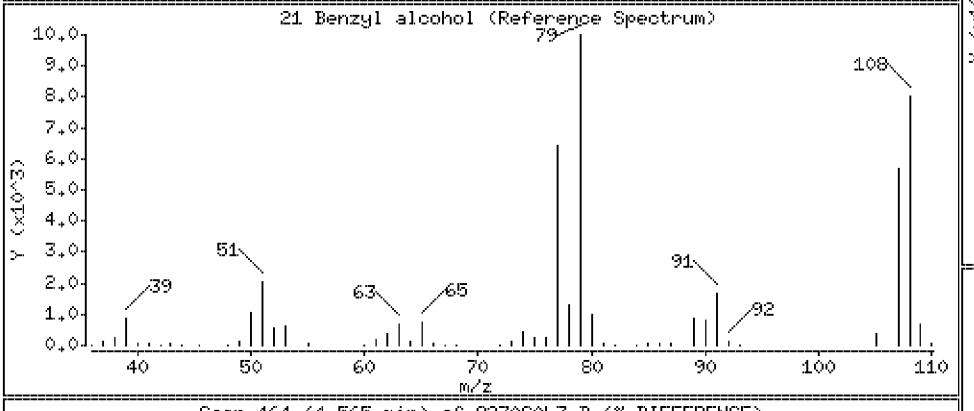
Column diameter: 0.25

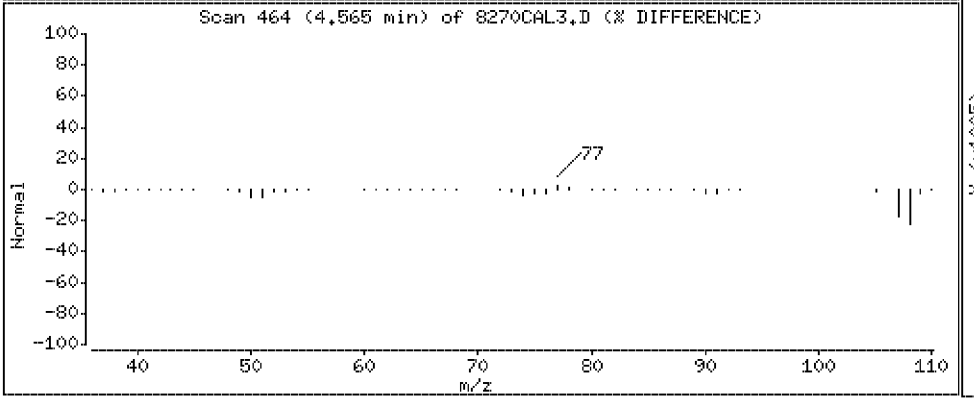
21 Benzyl alcohol

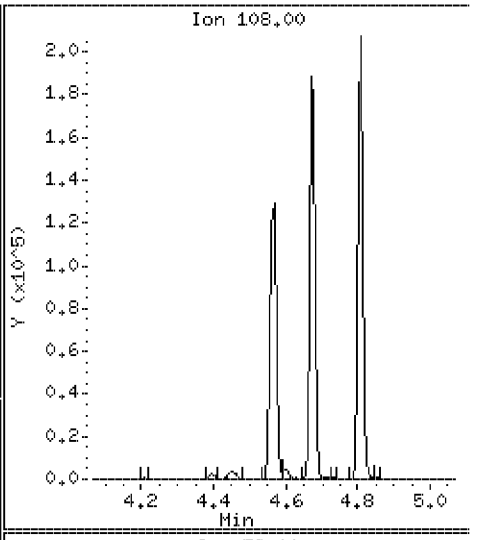
Concentration: 19.0 ug/l

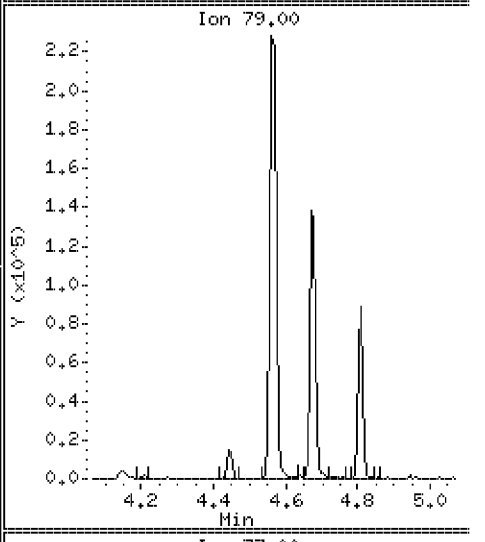


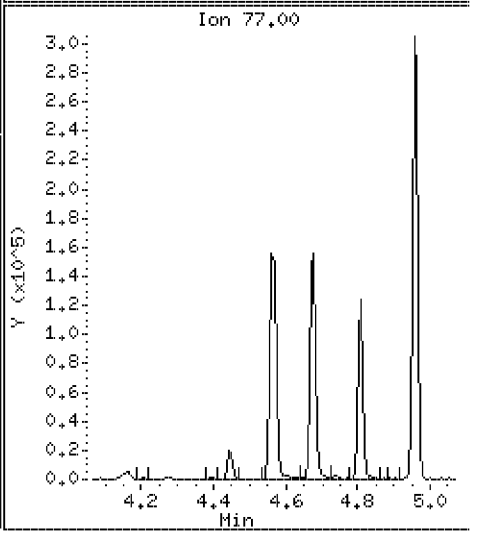












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

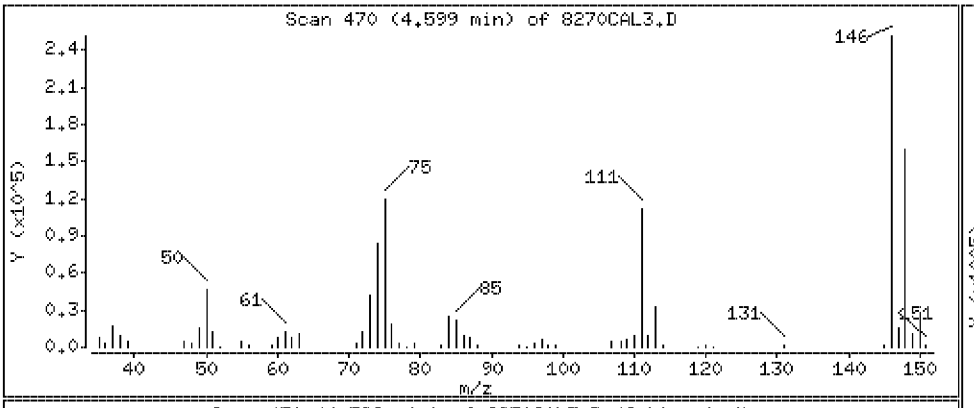
Operator: PEL

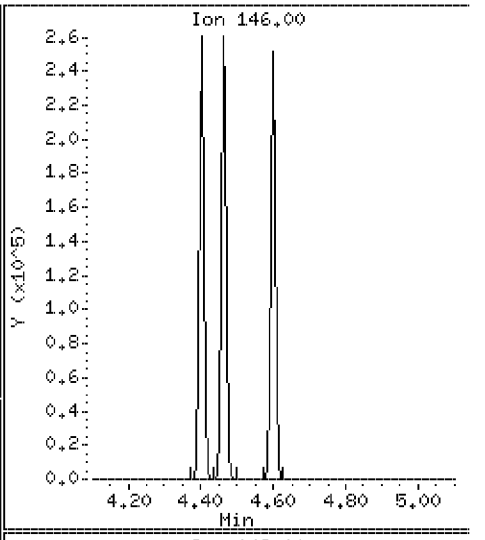
Column phase: HPMS-5

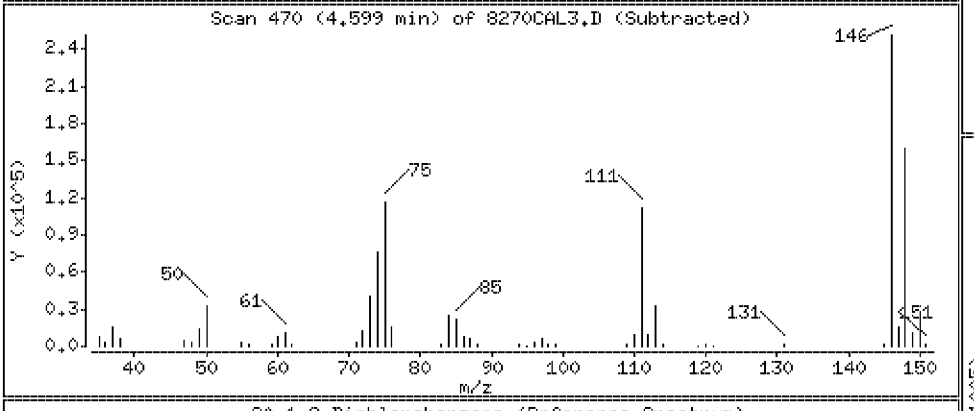
Column diameter: 0.25

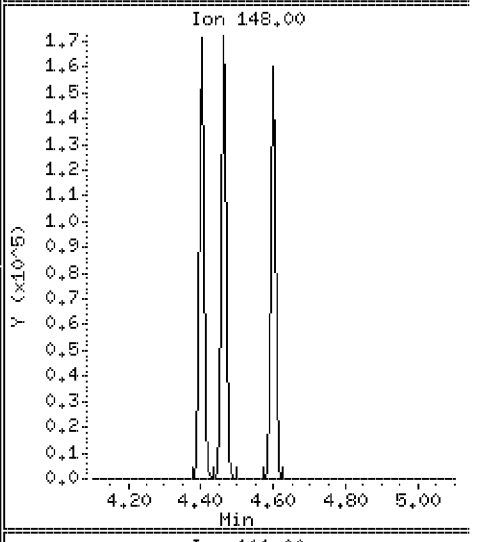
20 1,2-Dichlorobenzene

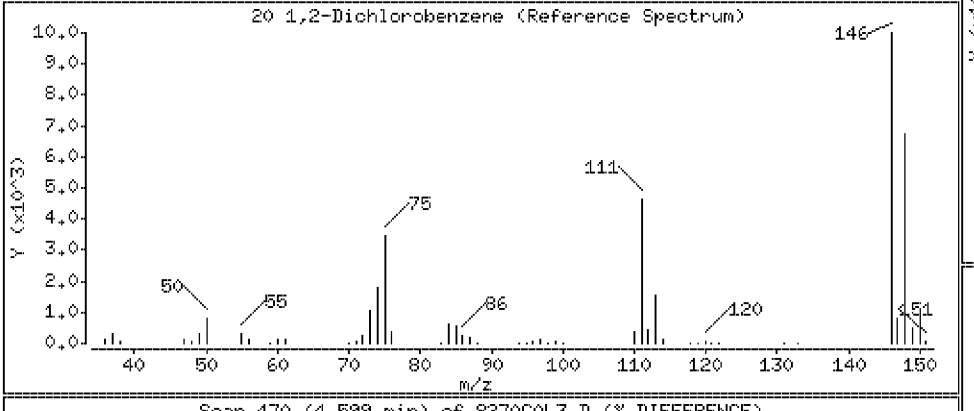
Concentration: 19.9 ug/l

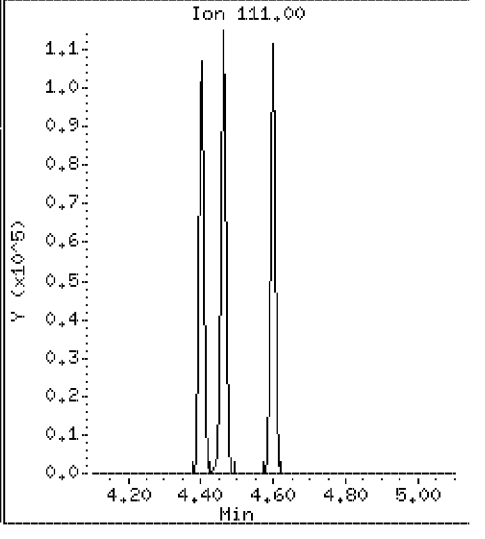


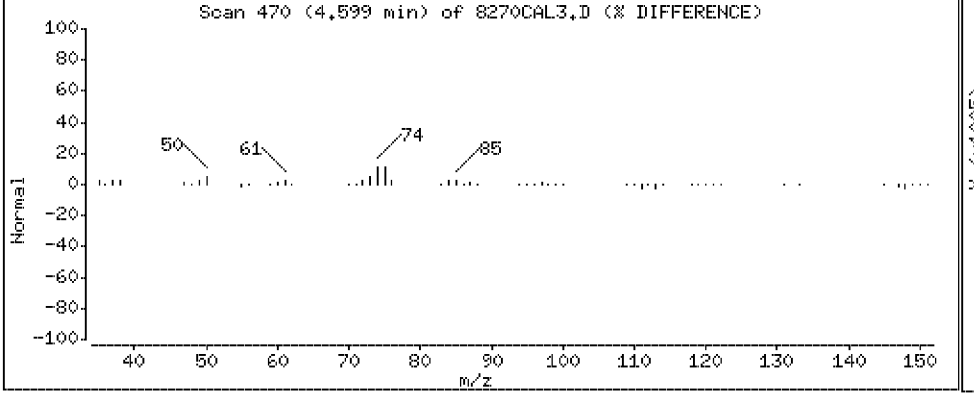












Date : 23-APR-2012 11:58

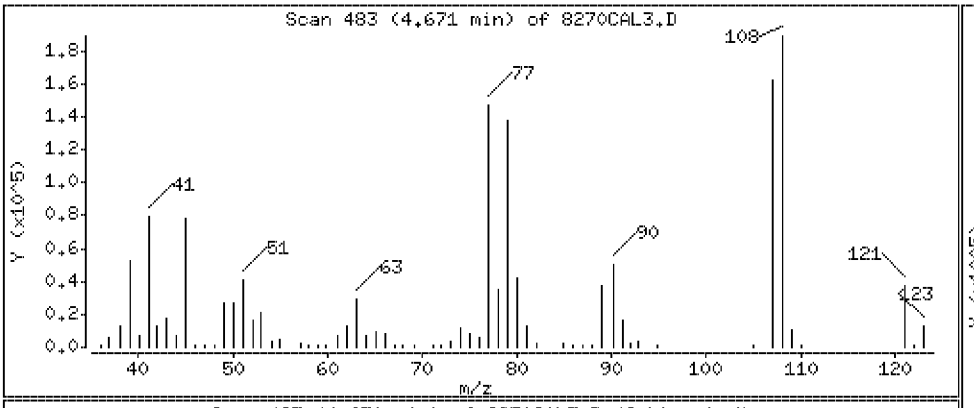
Client ID: 8270CAL3 Instrument: smsd03.i

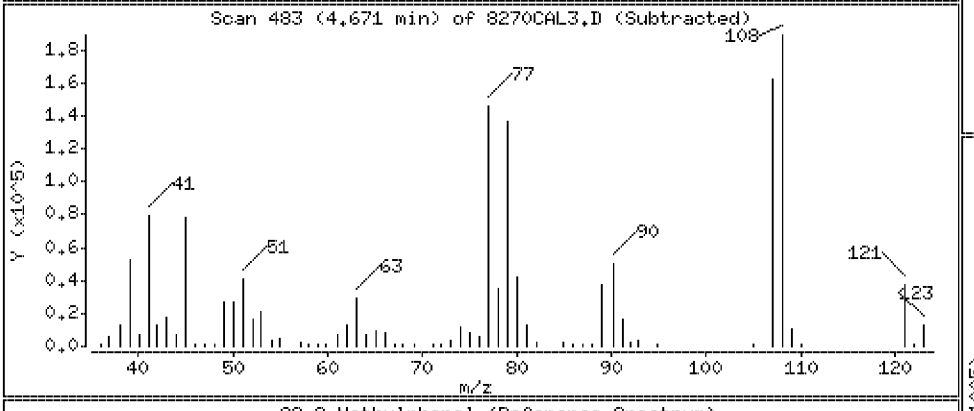
Sample Info: 45925

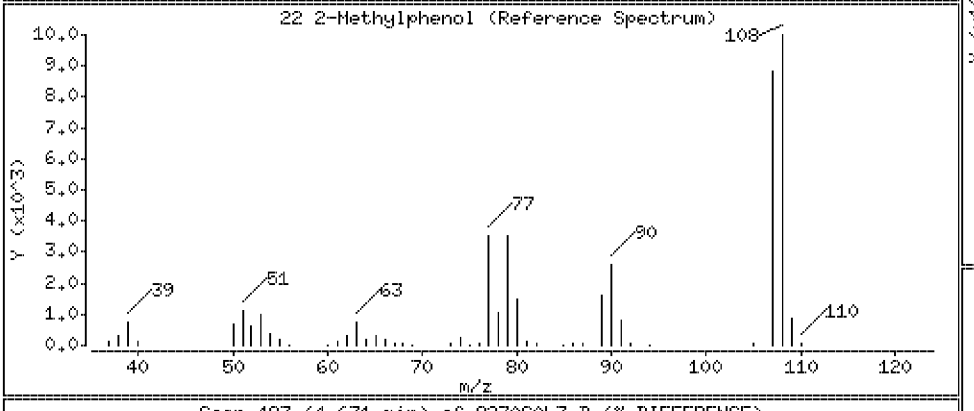
Purge Volume: 1000.0 Operator: PEL

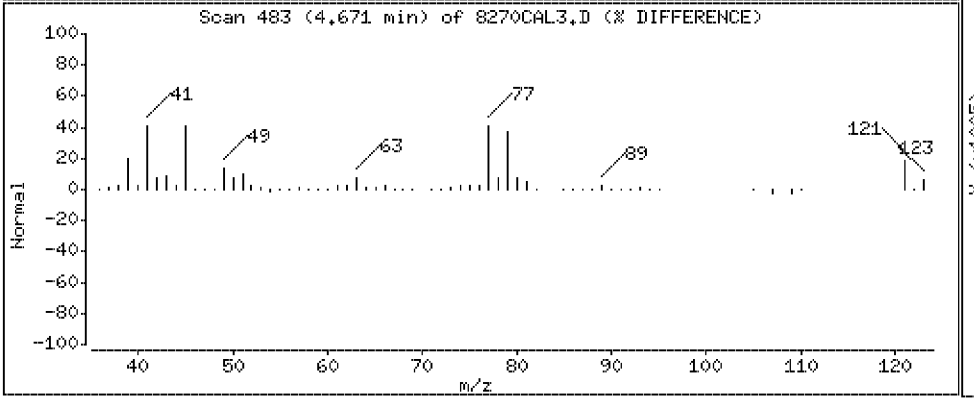
Column phase: HPMS-5 Column diameter: 0.25

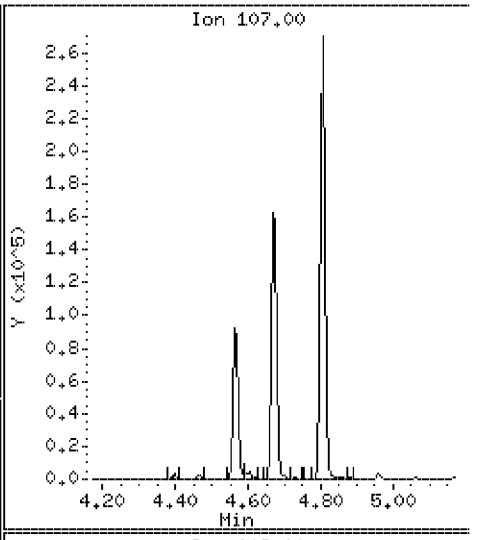
22 2-Methylphenol Concentration: 18.9 ug/l

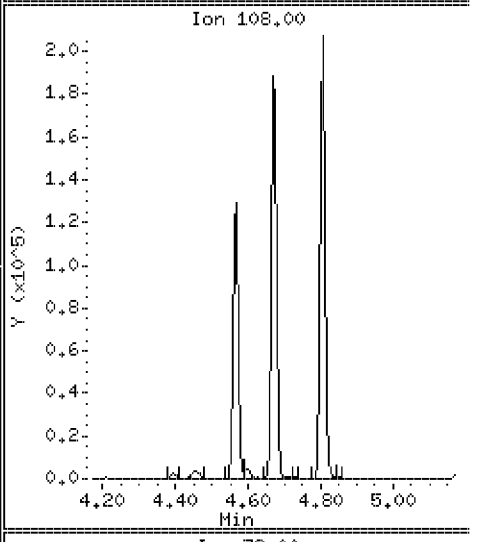


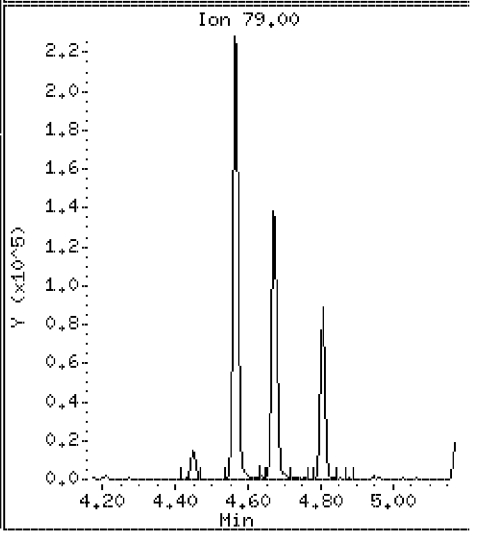












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

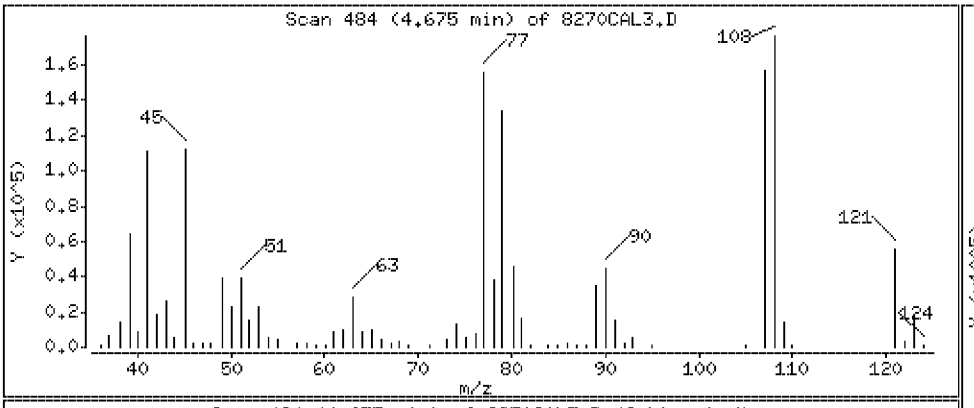
Operator: PEL

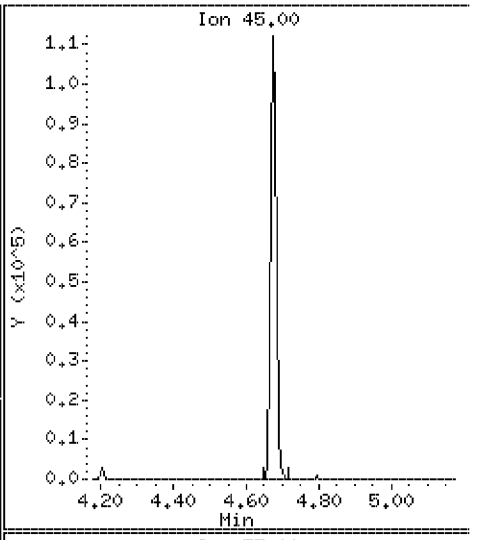
Column phase: HPMS-5

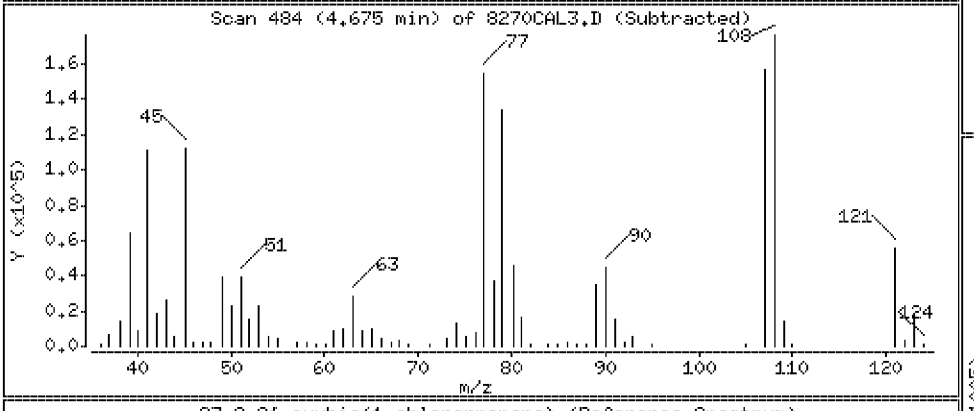
Column diameter: 0.25

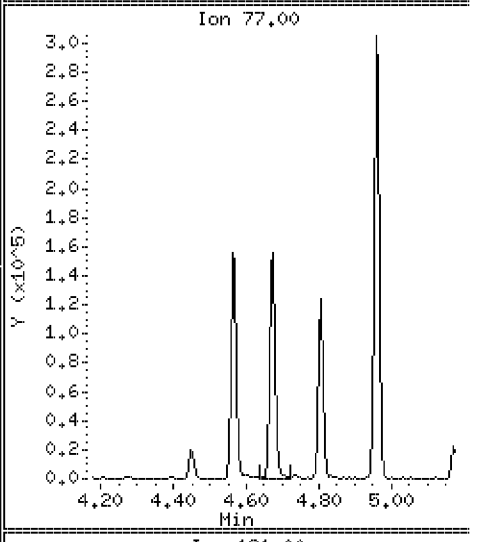
23 2,2'-oxybis(1-chloropropane)

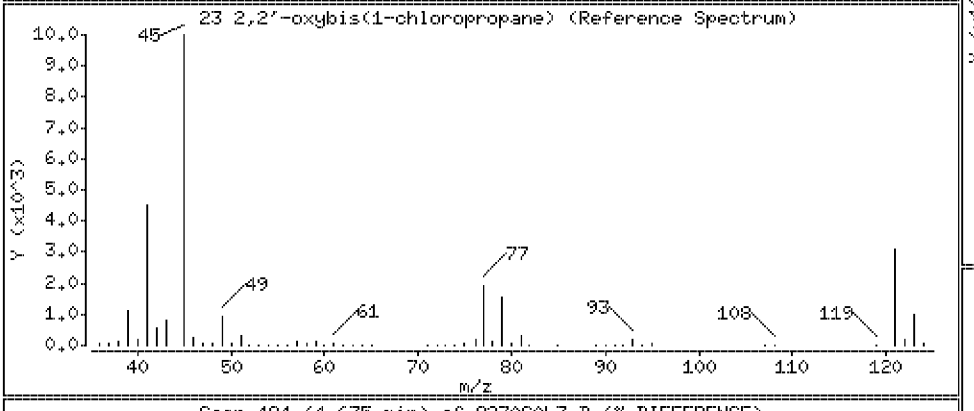
Concentration: 19.4 ug/l

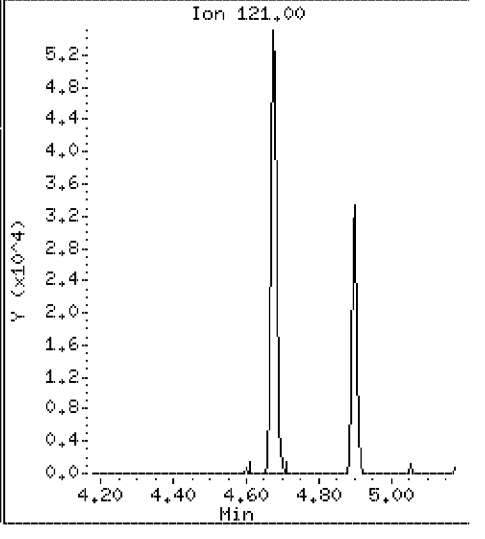


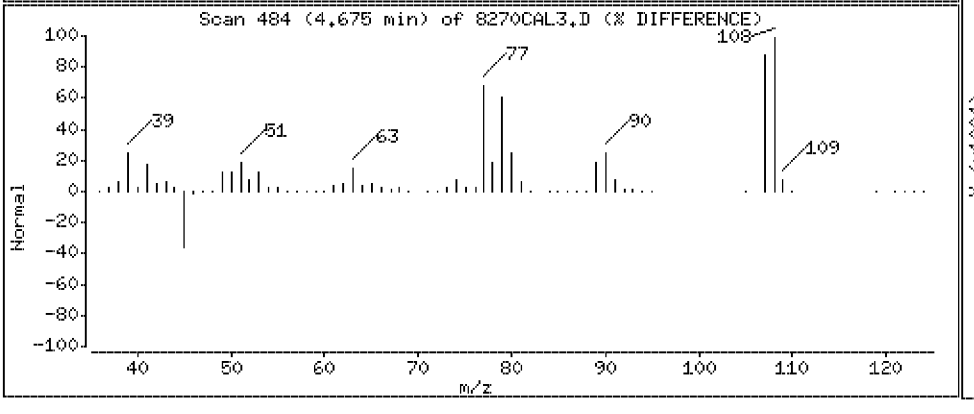












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

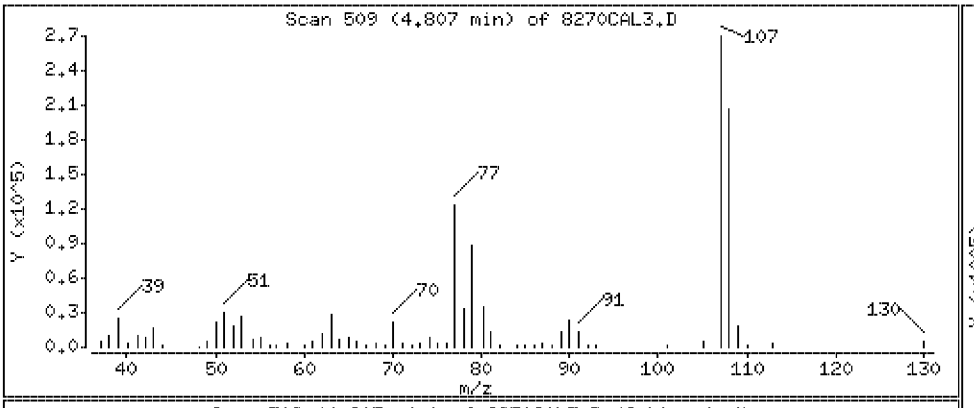
Operator: PEL

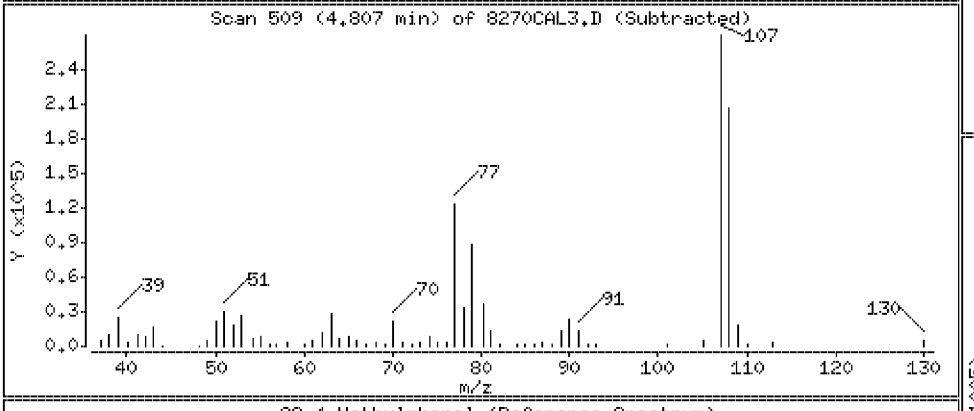
Column phase: HPMS-5

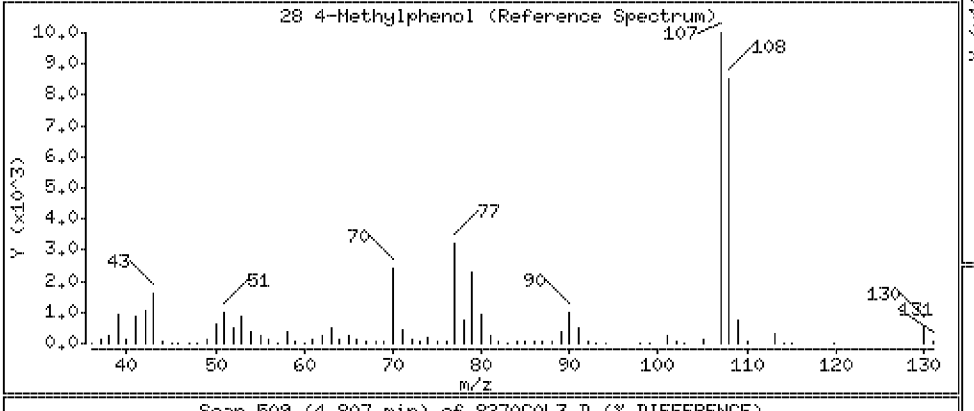
Column diameter: 0.25

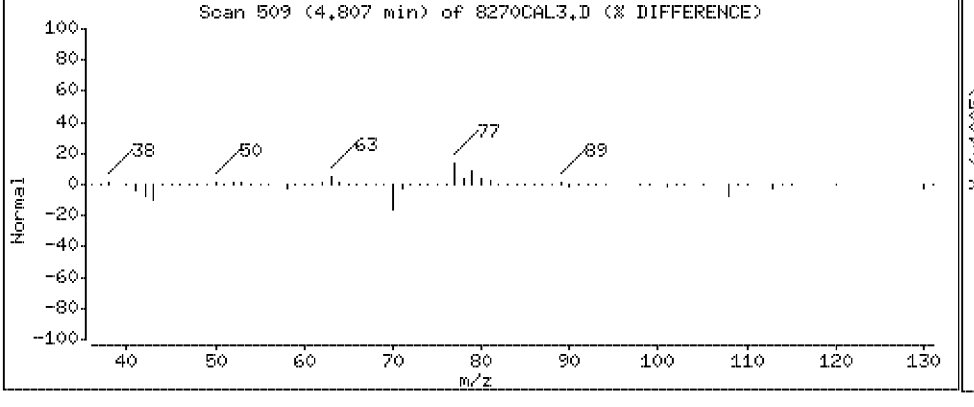
28 4-Methylphenol

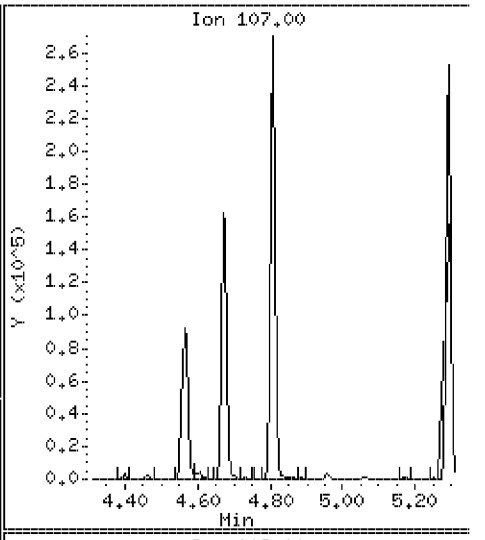
Concentration: 19.5 ug/l

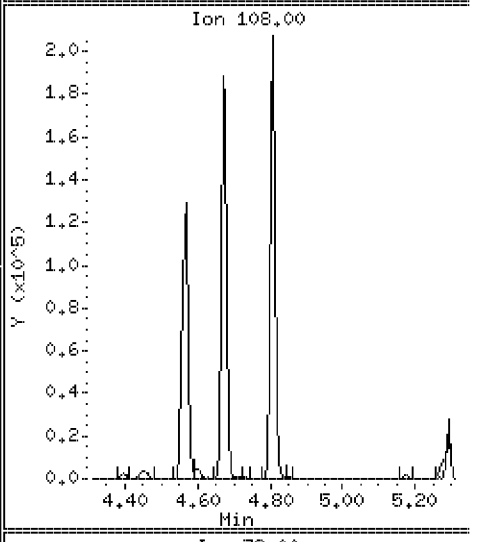


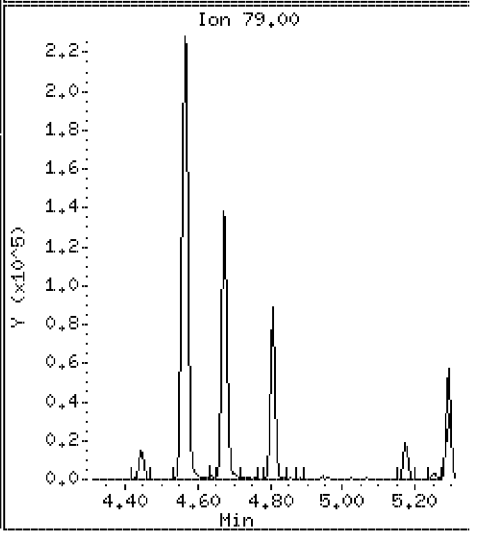












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

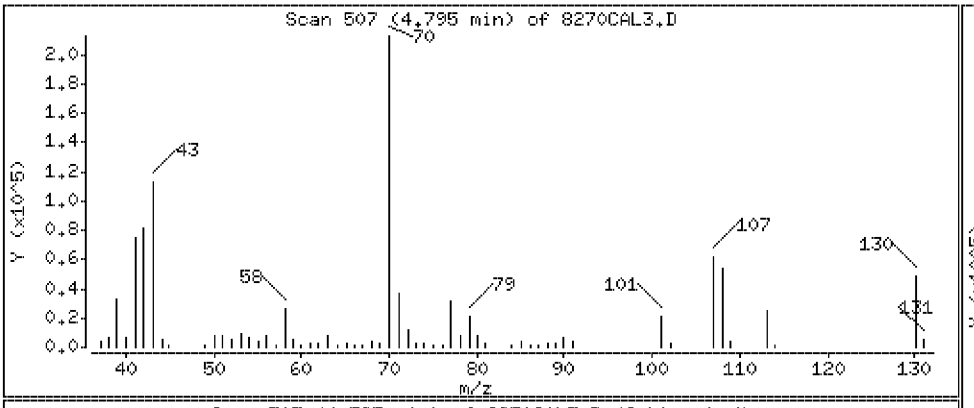
Operator: PEL

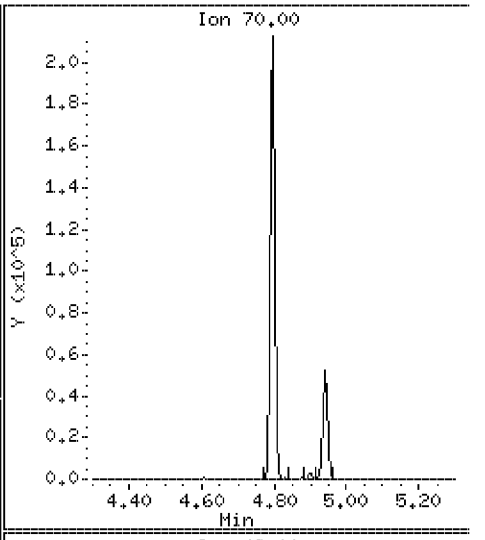
Column phase: HPMS-5

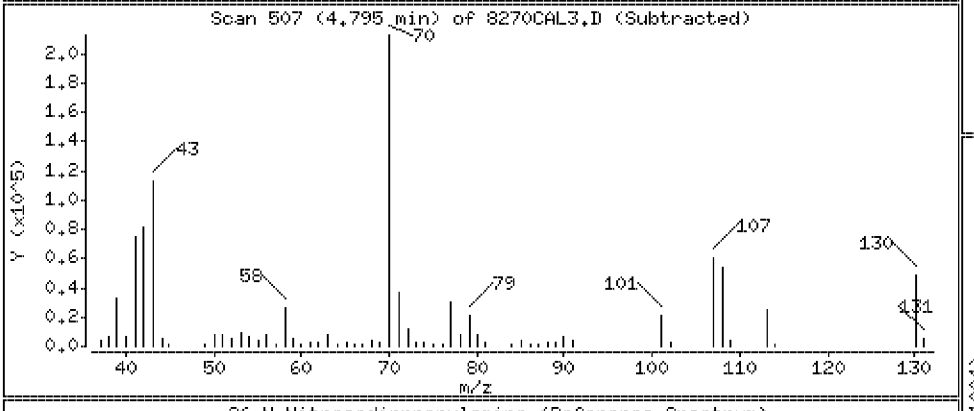
Column diameter: 0.25

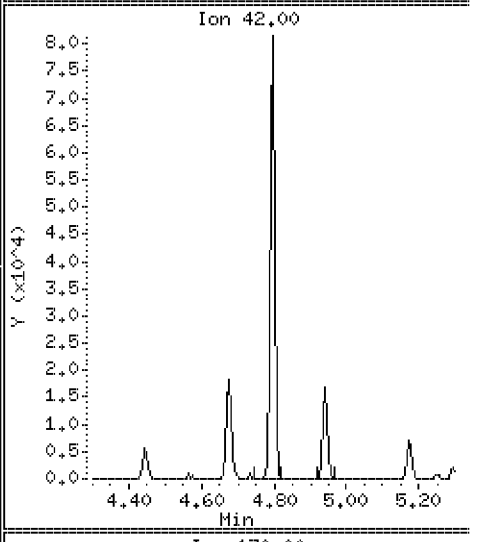
26 N-Nitrosodinpropylamine

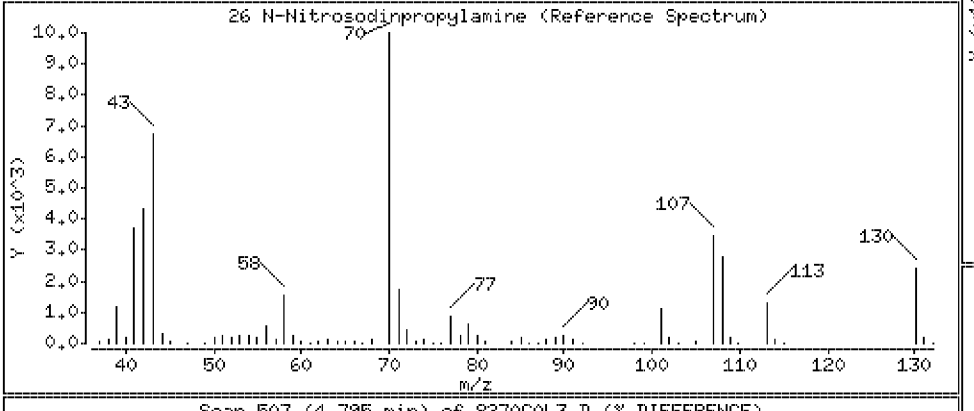
Concentration: 19.3 ug/l

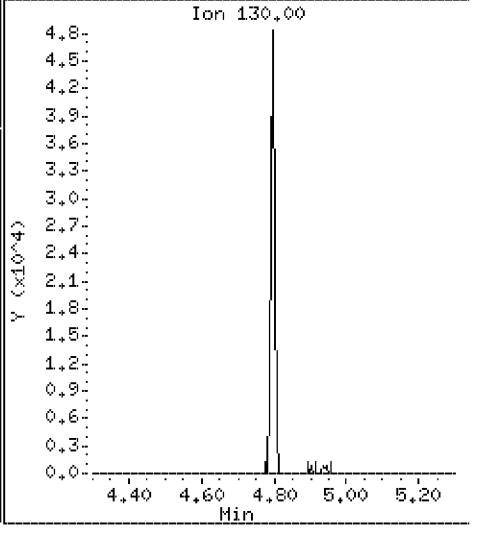


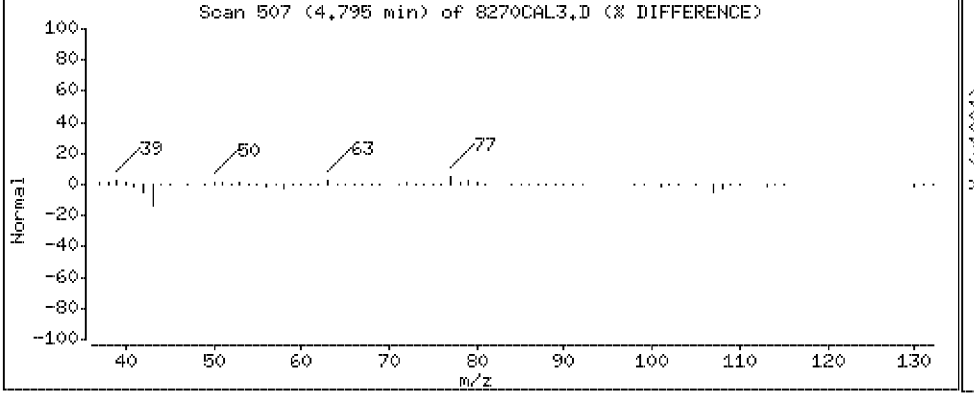












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

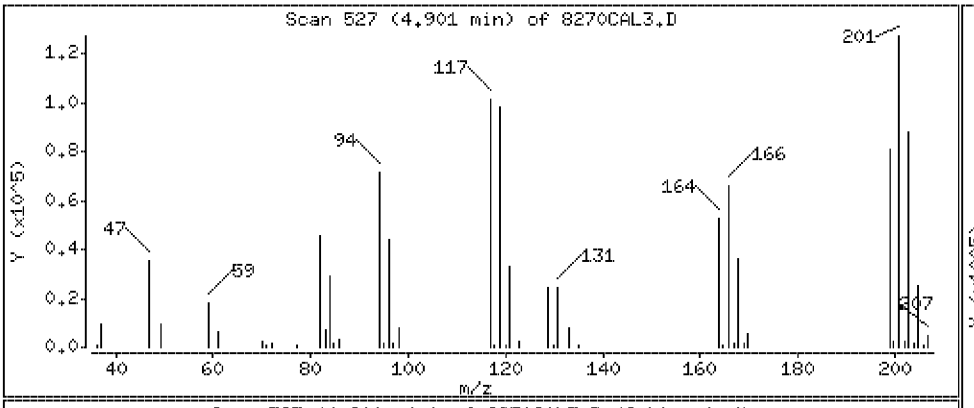
Operator: PEL

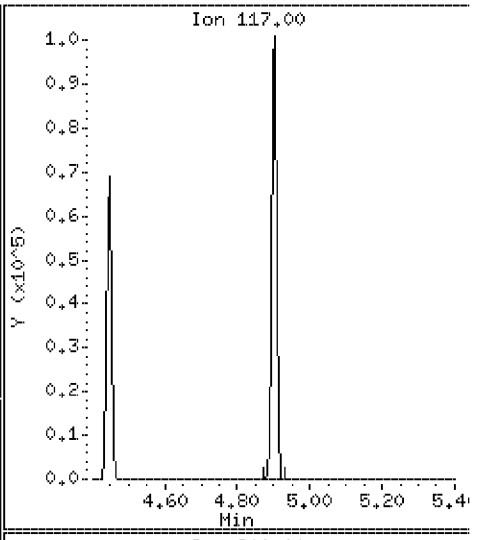
Column phase: HPMS-5

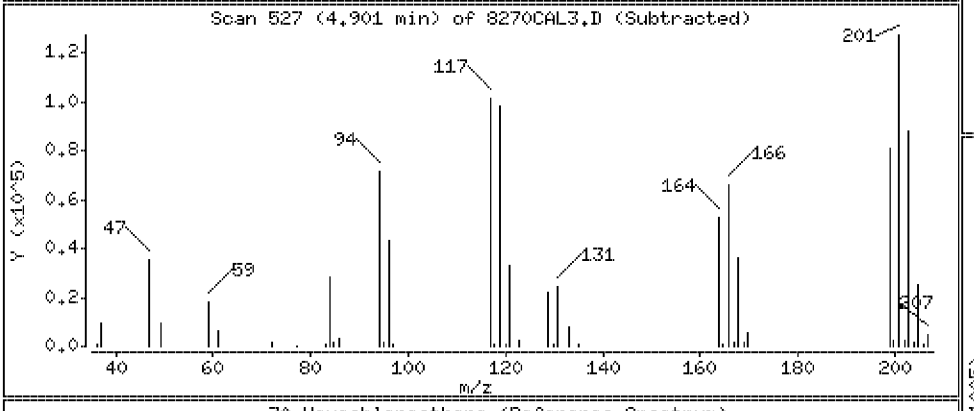
Column diameter: 0.25

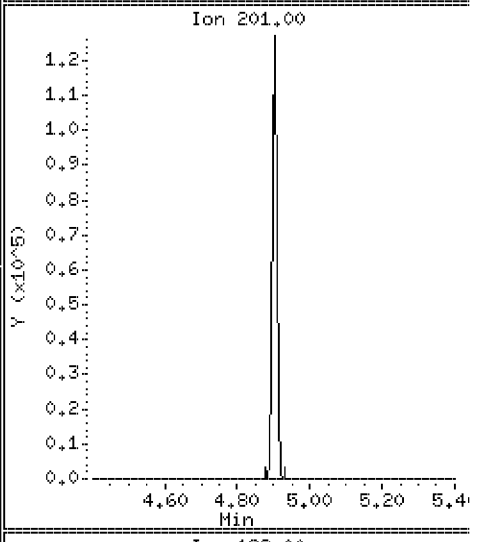
30 Hexachloroethane

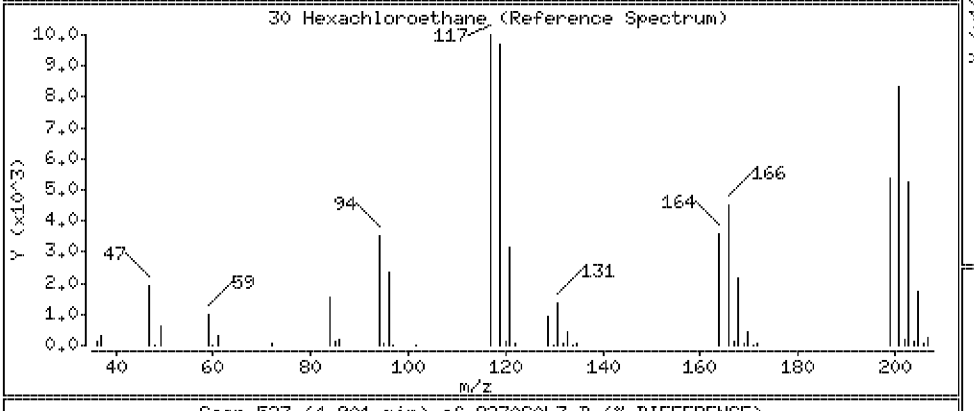
Concentration: 19.4 ug/l

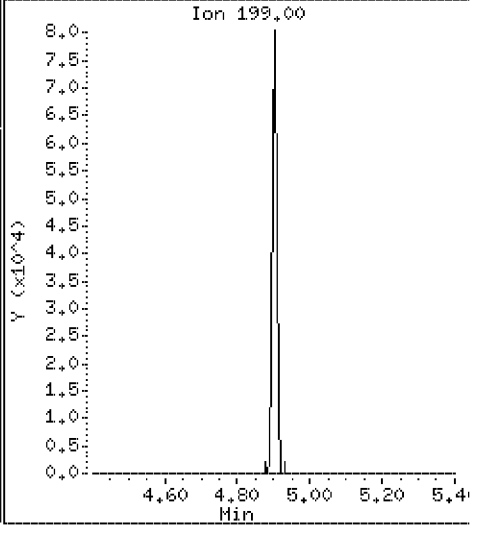


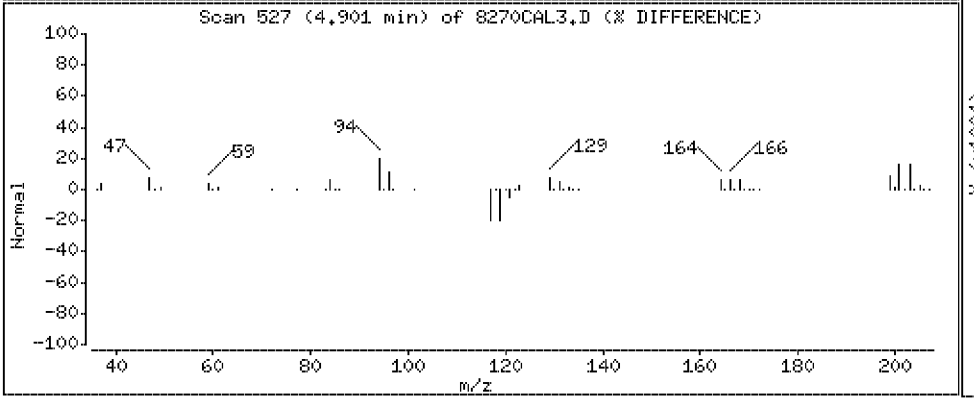












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

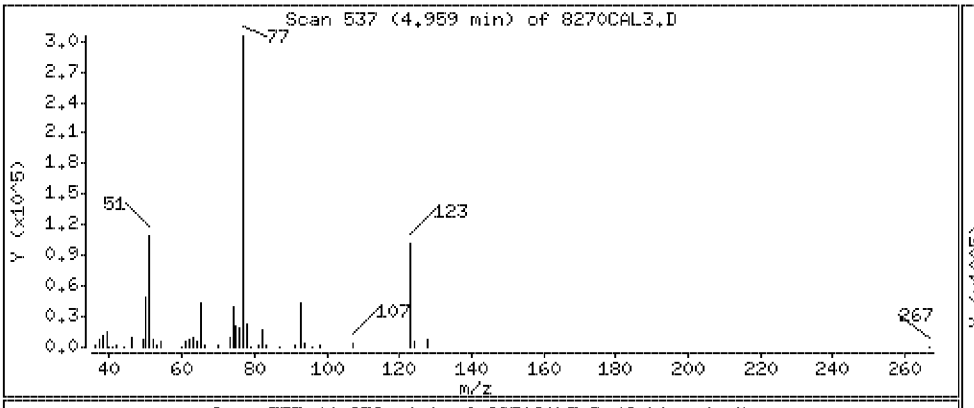
Operator: PEL

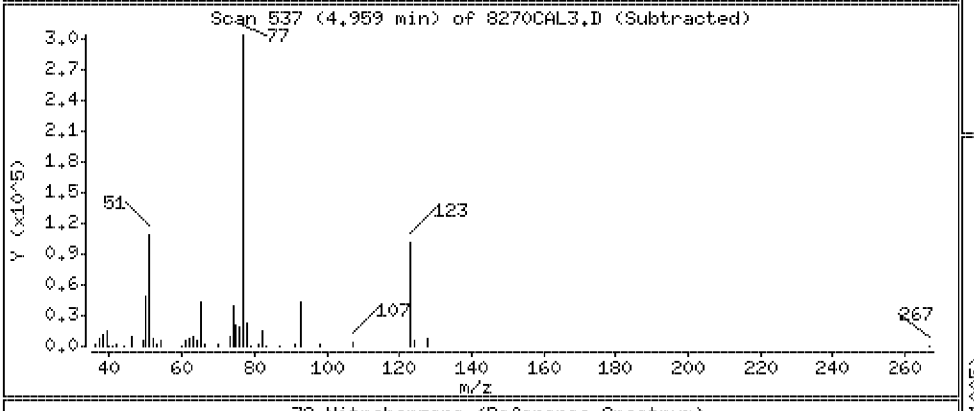
Column phase: HPMS-5

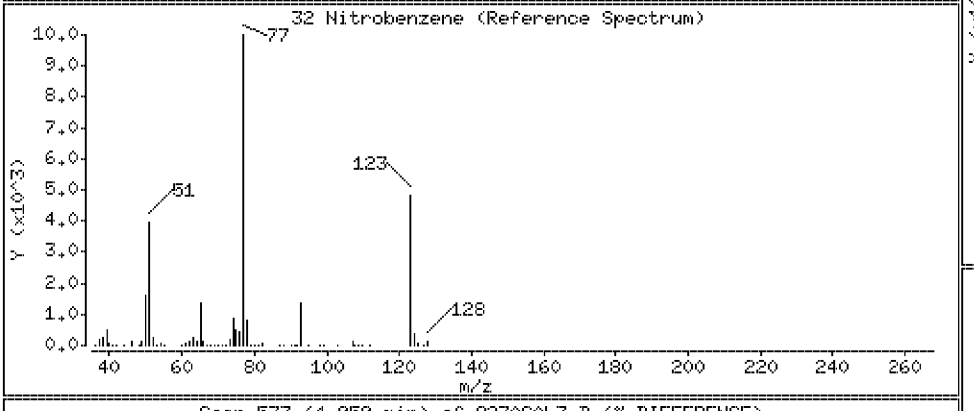
Column diameter: 0.25

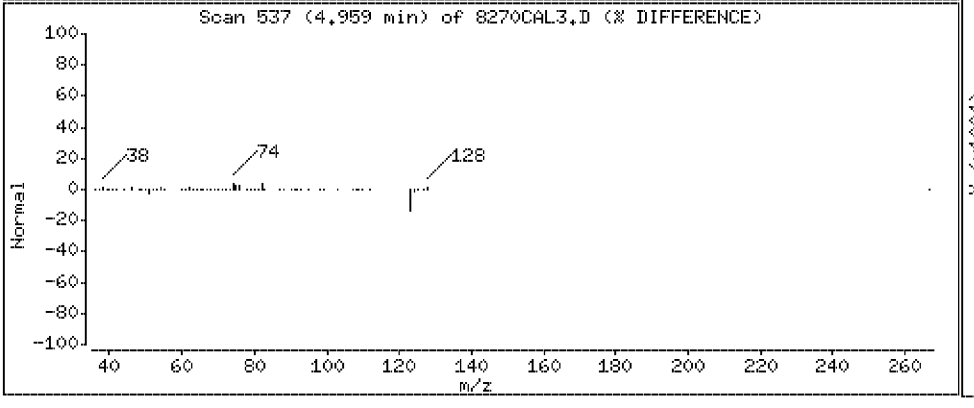
32 Nitrobenzene

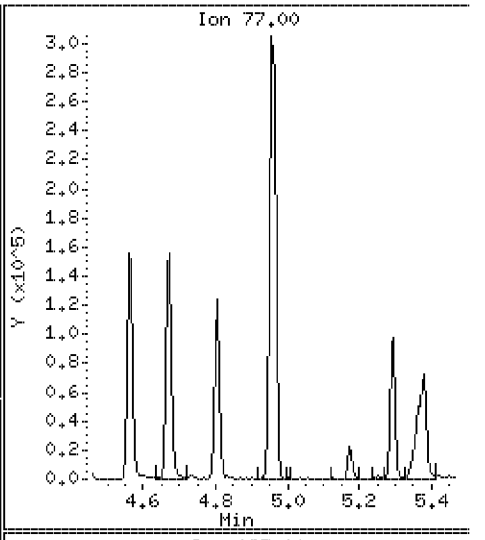
Concentration: 19.8 ug/l

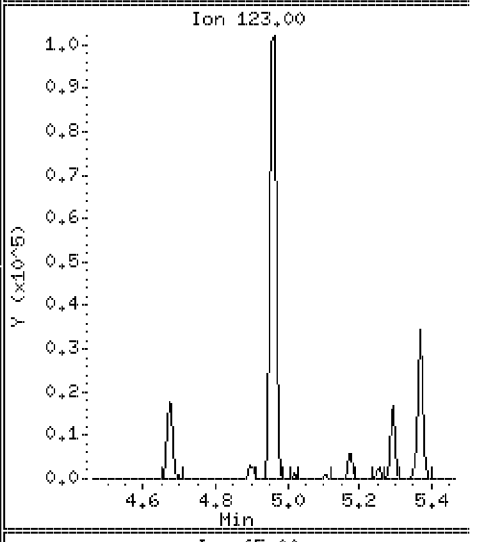


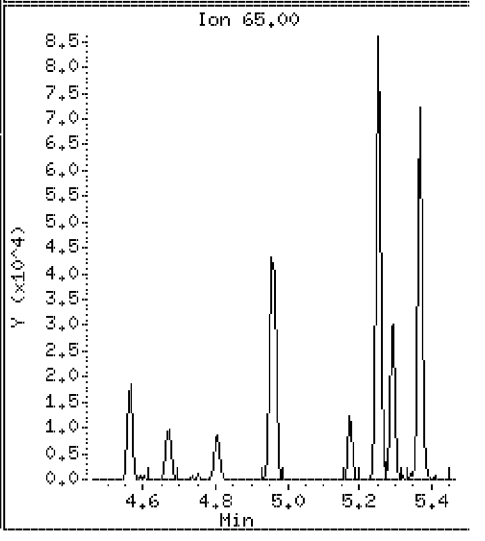












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

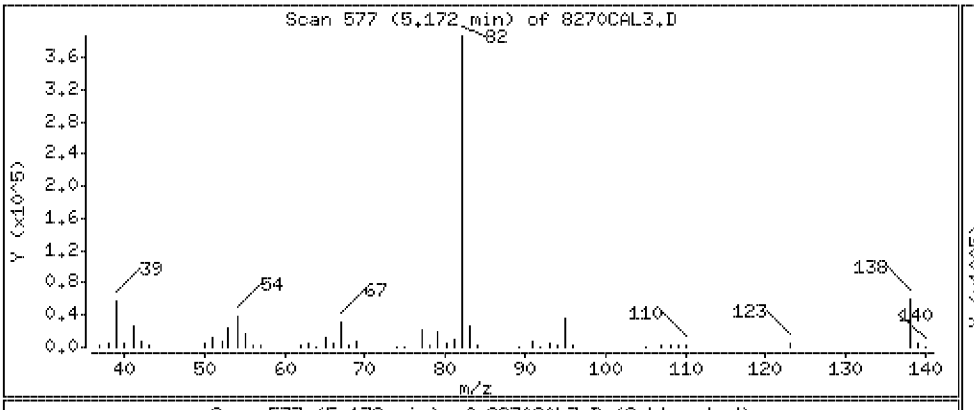
Operator: PEL

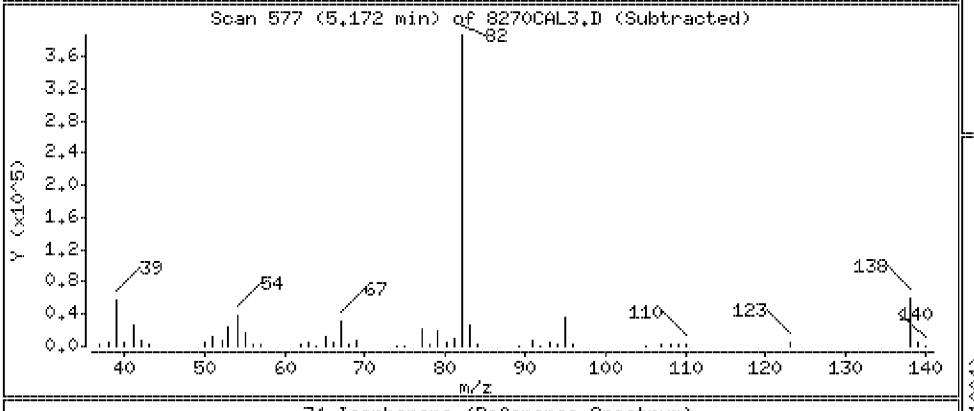
Column phase: HPMS-5

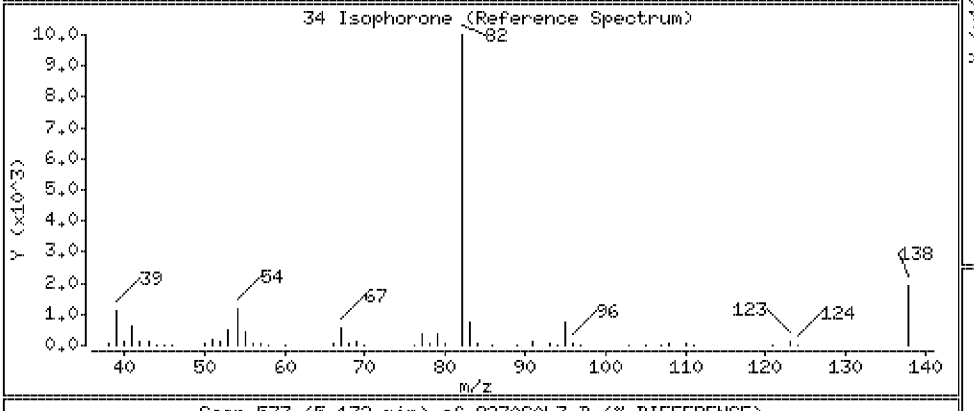
Column diameter: 0.25

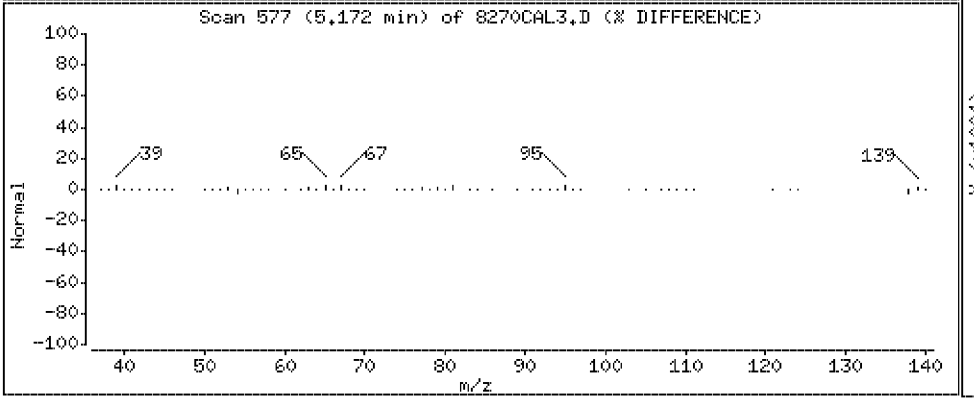
34 Isophorone

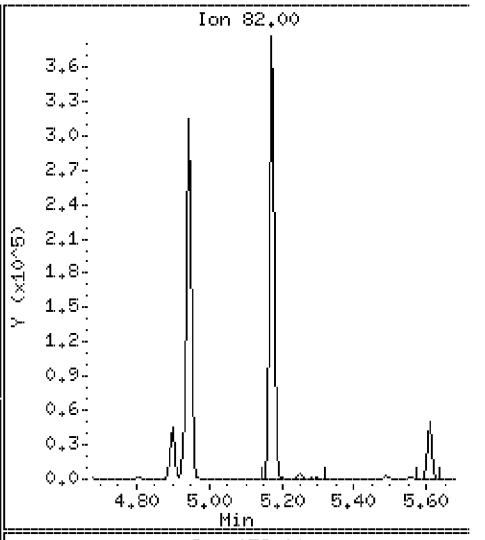
Concentration: 19.8 ug/l

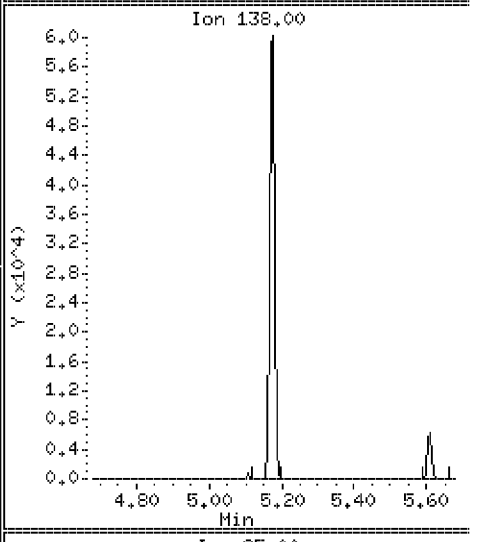


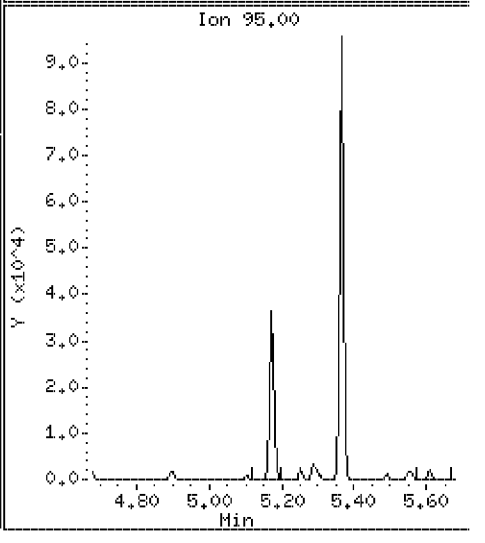












Date : 23-APR-2012 11:58

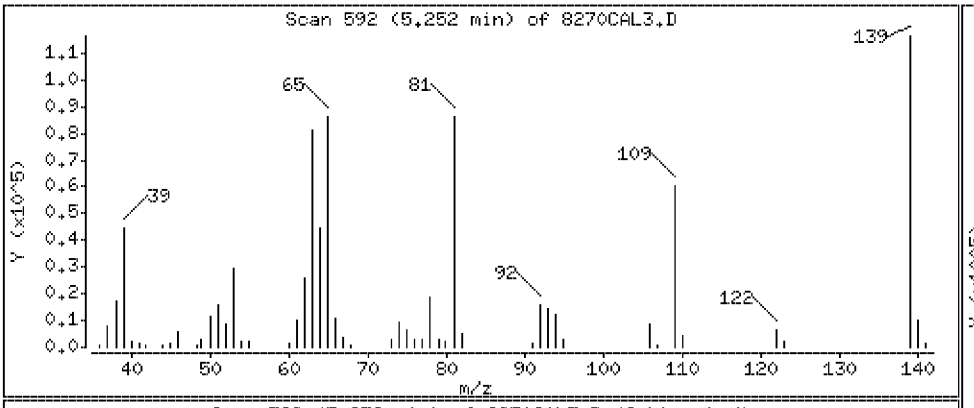
Client ID: 8270CAL3 Instrument: smsd03.i

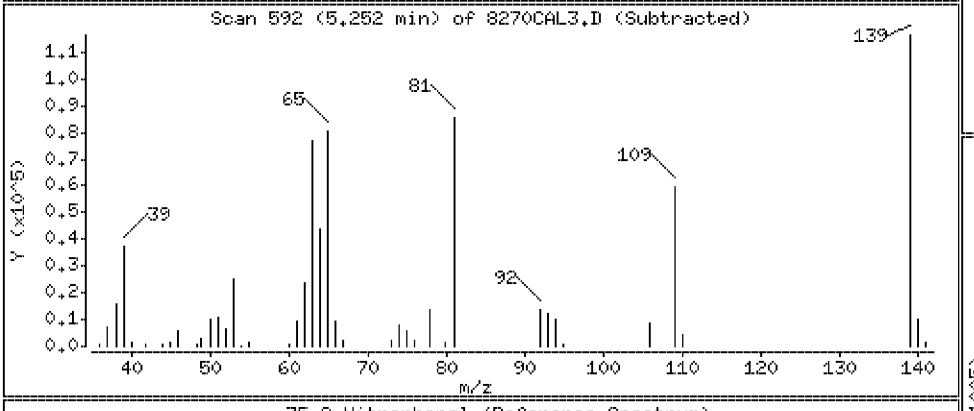
Sample Info: 45925

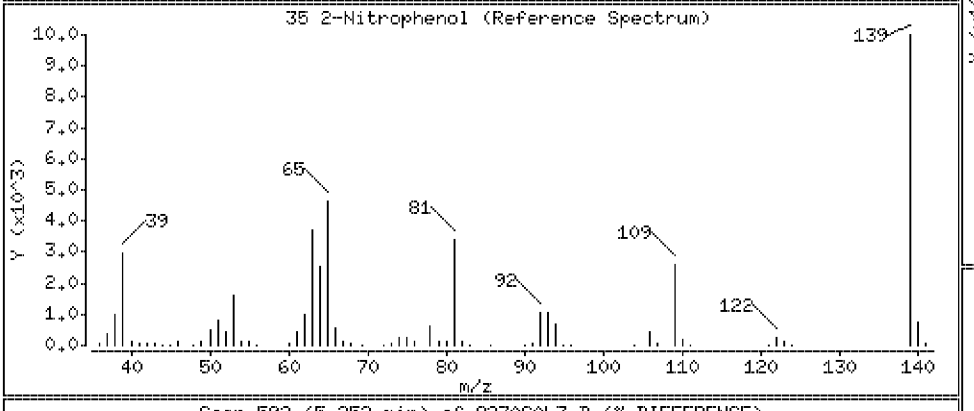
Purge Volume: 1000.0 Operator: PEL

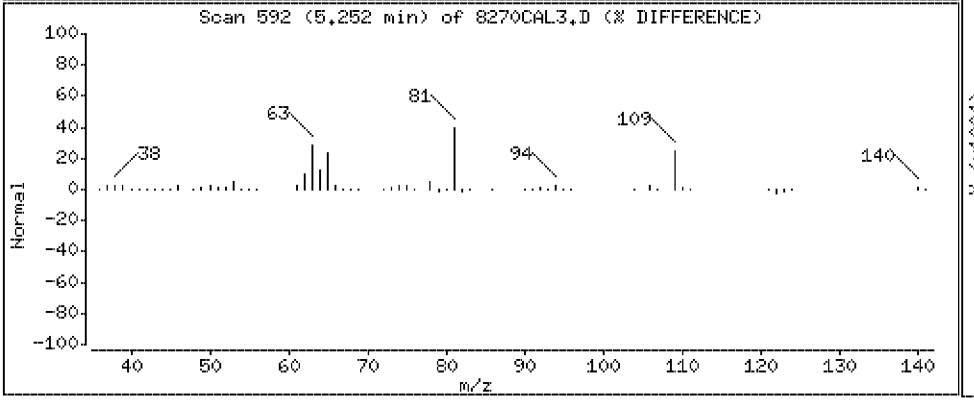
Column phase: HPMS-5 Column diameter: 0.25

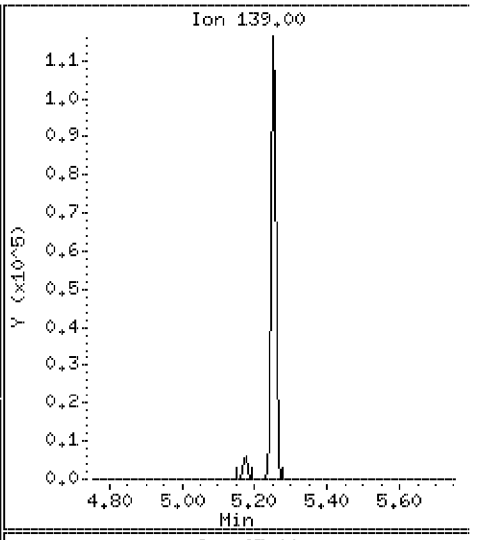
35 2-Nitrophenol Concentration: 20.0 ug/l

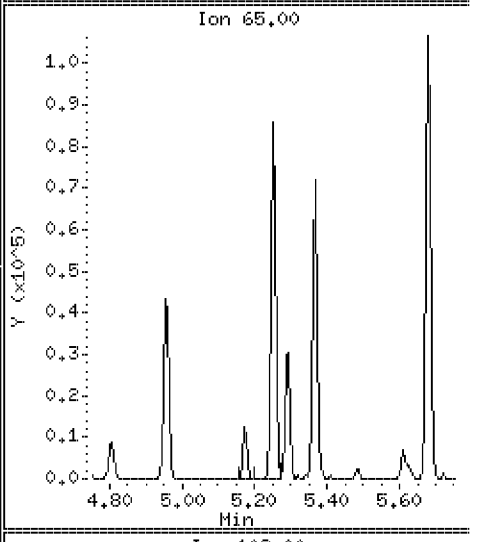


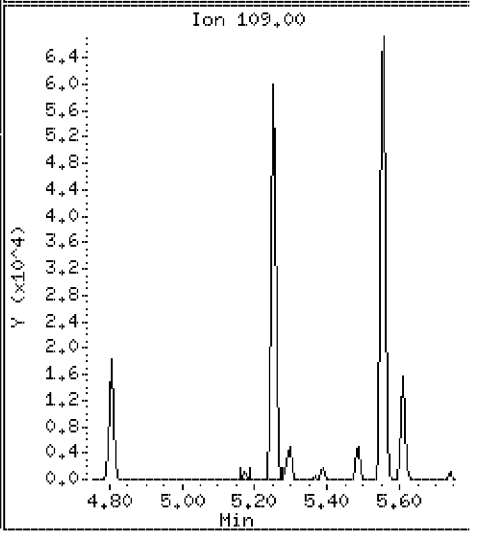












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

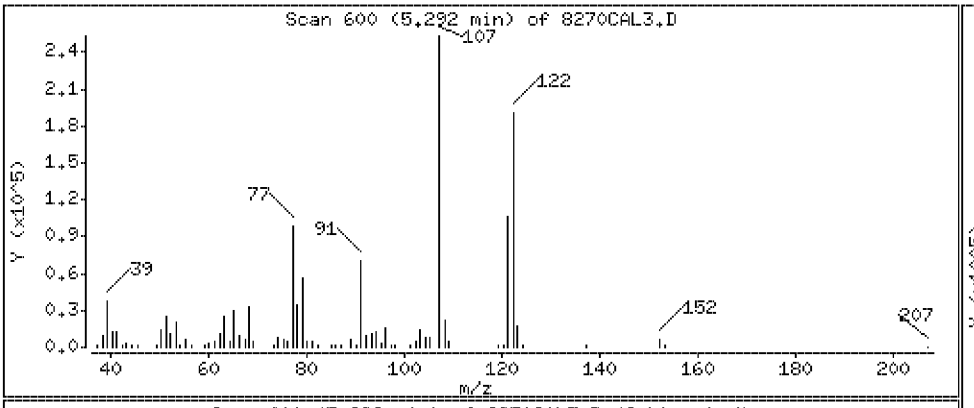
Operator: PEL

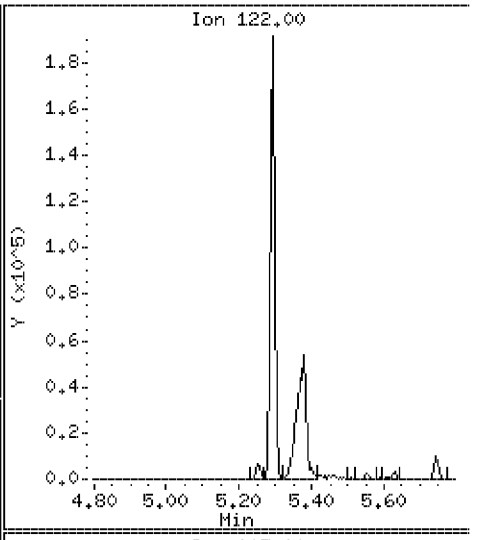
Column phase: HPMS-5

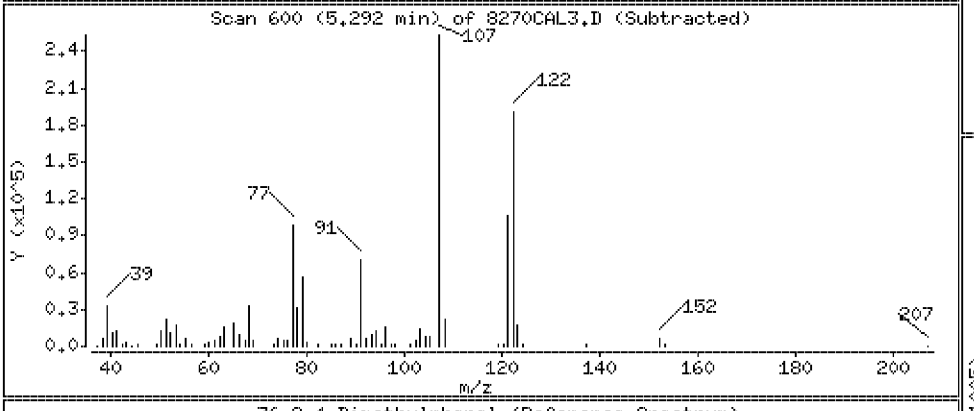
Column diameter: 0.25

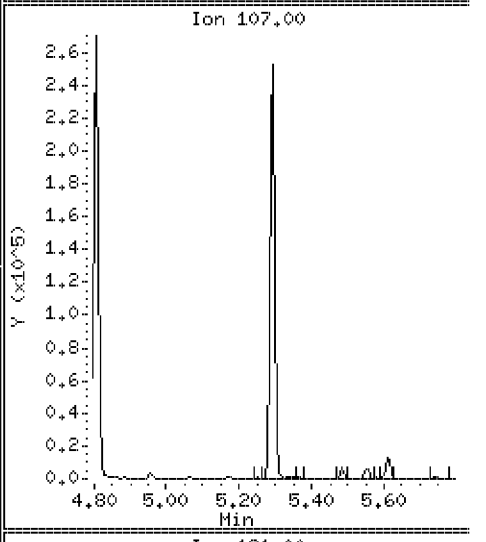
36 2,4-Dimethylphenol

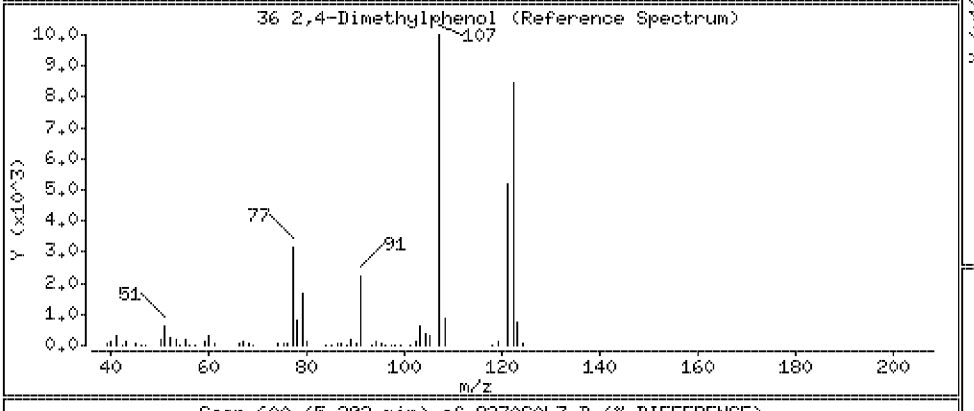
Concentration: 19.7 ug/l

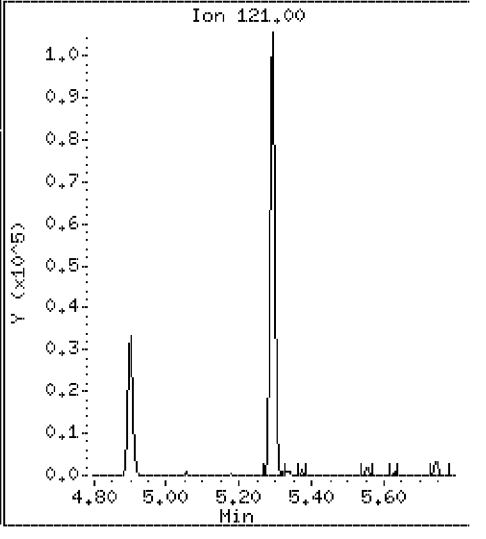


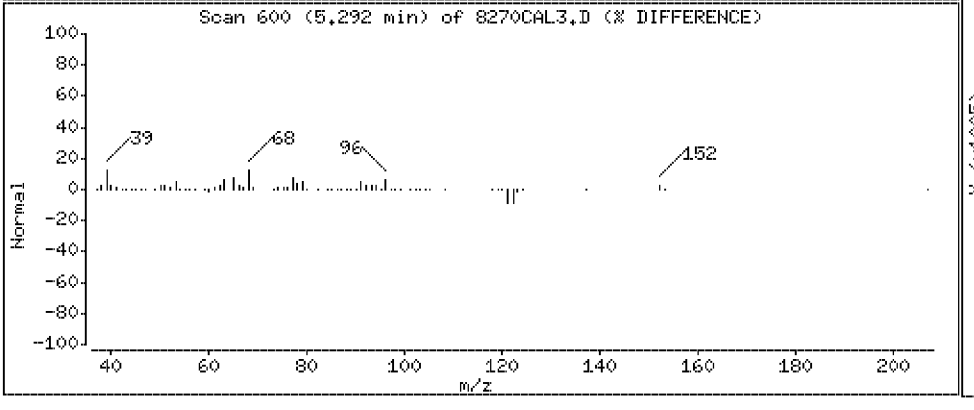












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

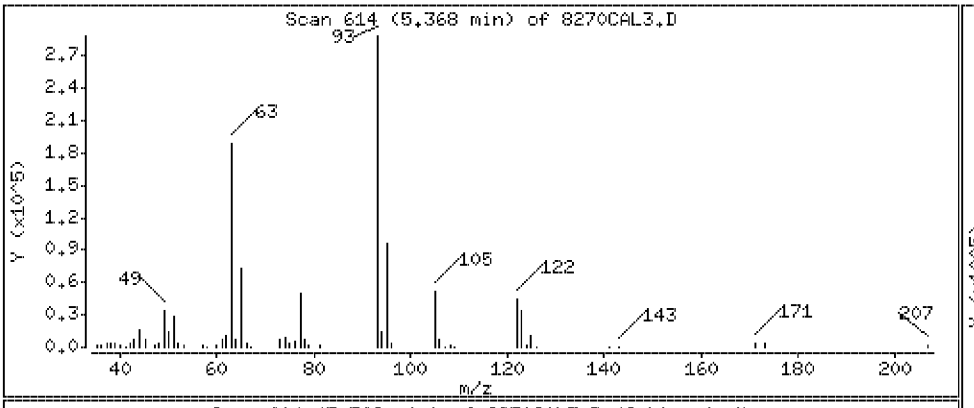
Client ID: 8270CAL3 Instrument: smsd03.i

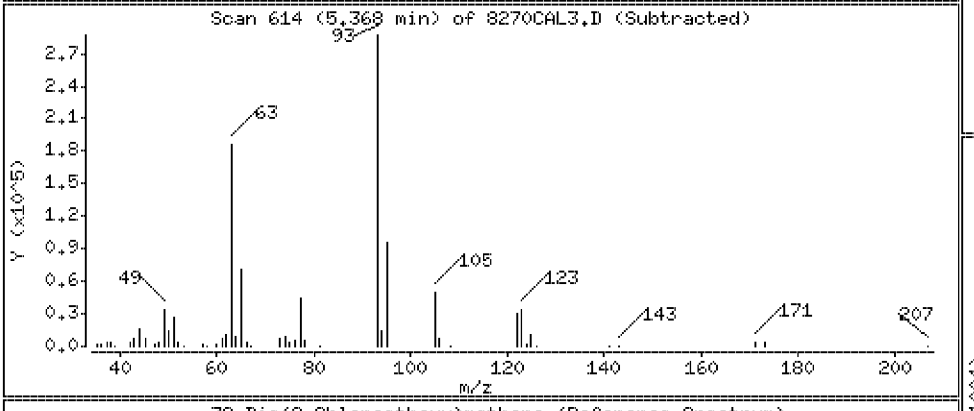
Sample Info: 45925

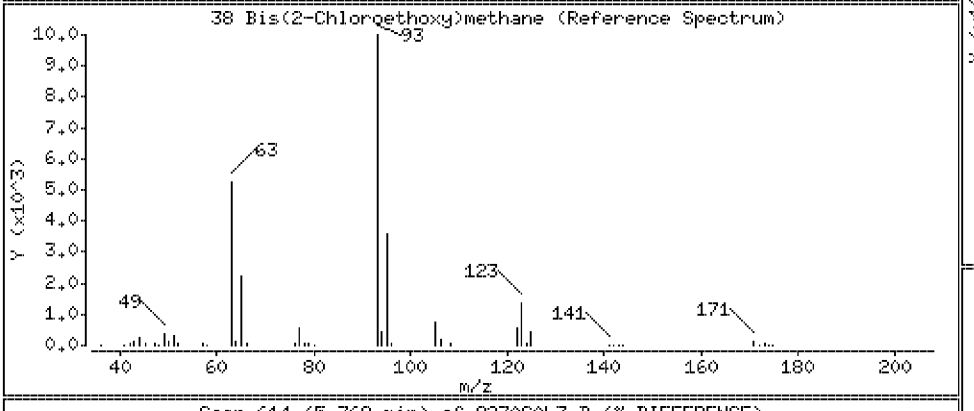
Purge Volume: 1000.0 Operator: PEL

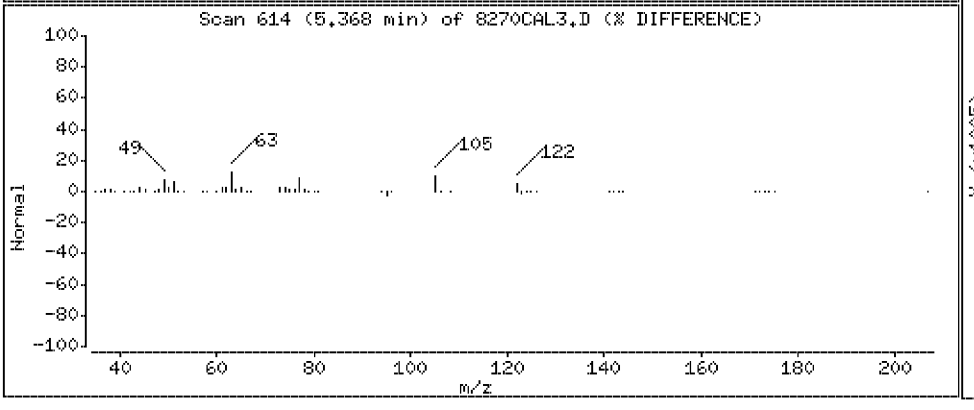
Column phase: HPMS-5 Column diameter: 0.25

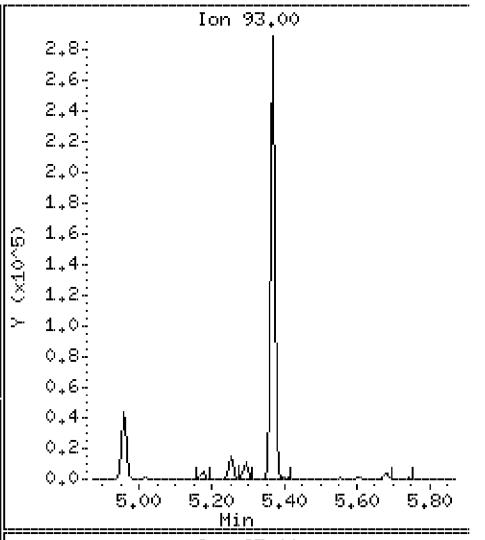
38 Bis(2-Chloroethoxy)methane Concentration: 19.7 ug/l

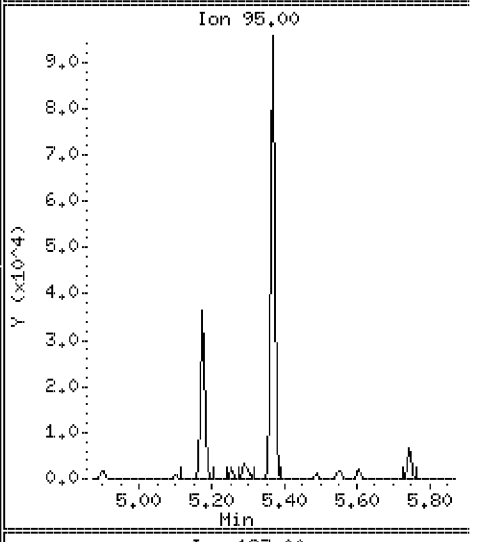


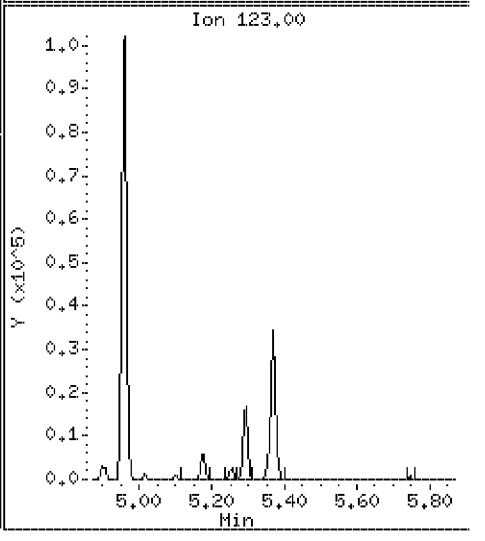












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

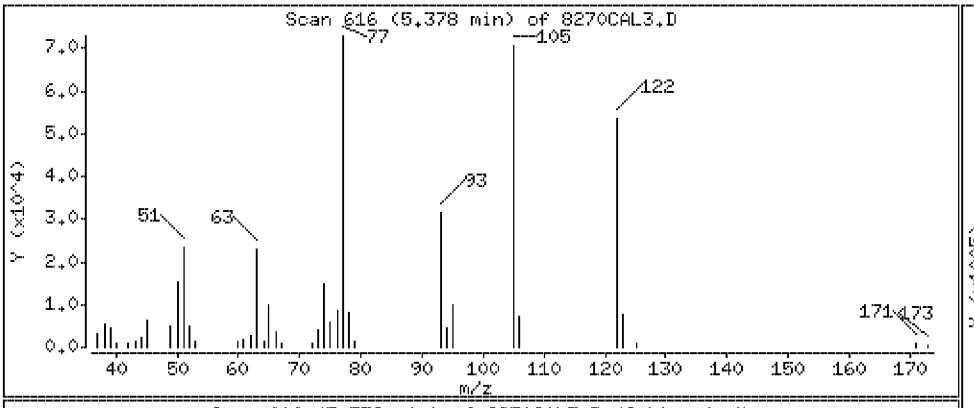
Operator: PEL

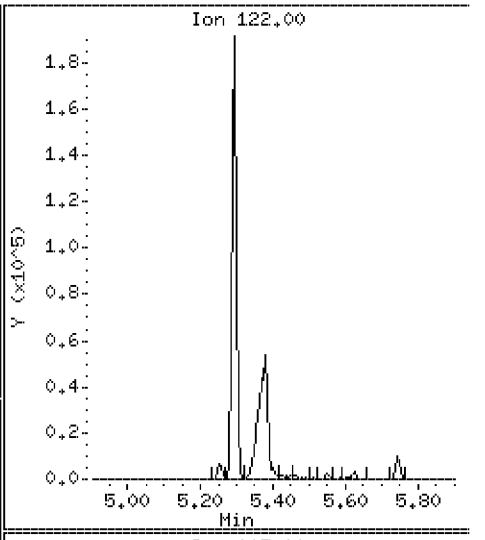
Column phase: HPMS-5

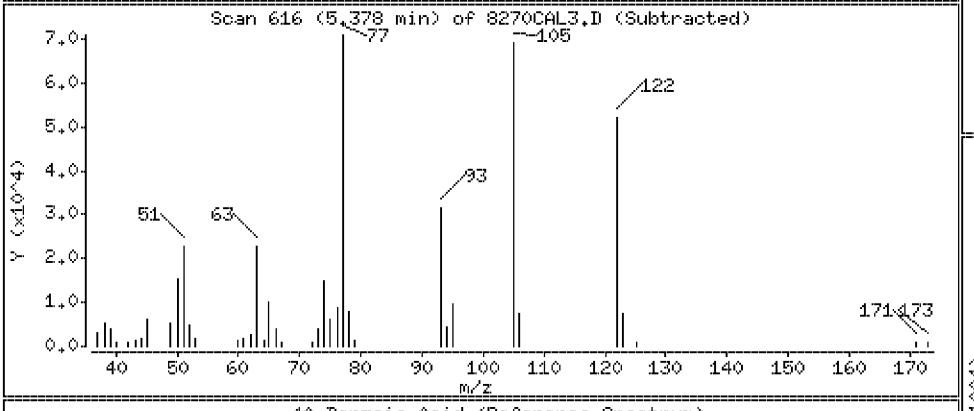
Column diameter: 0.25

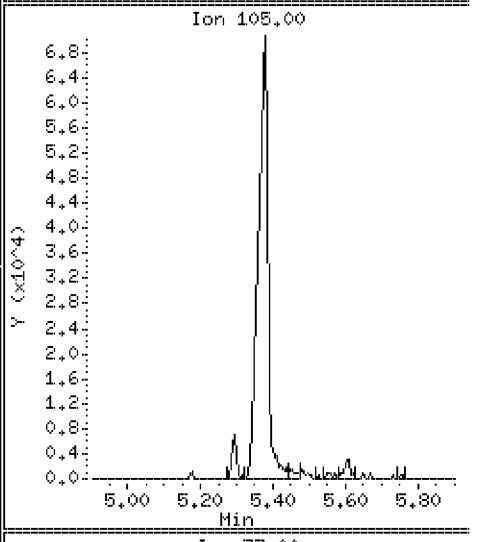
40 Benzoic Acid

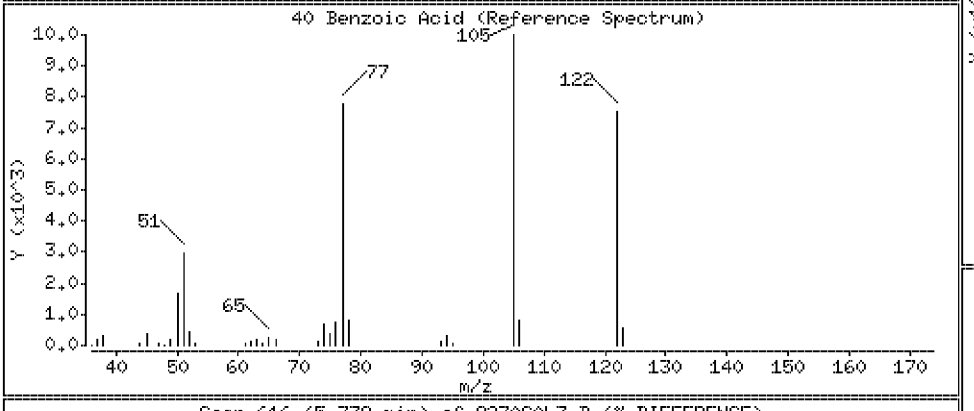
Concentration: 19.8 ug/l

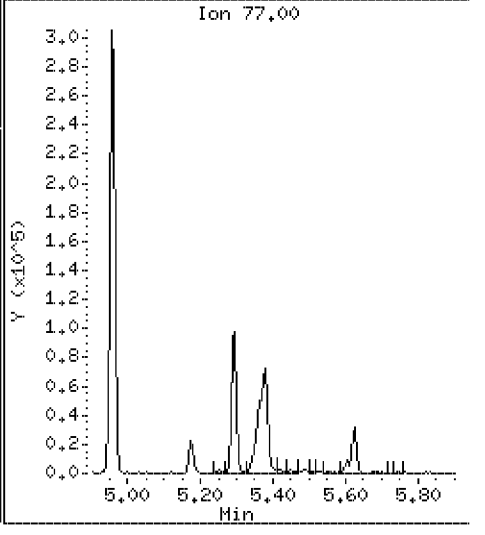


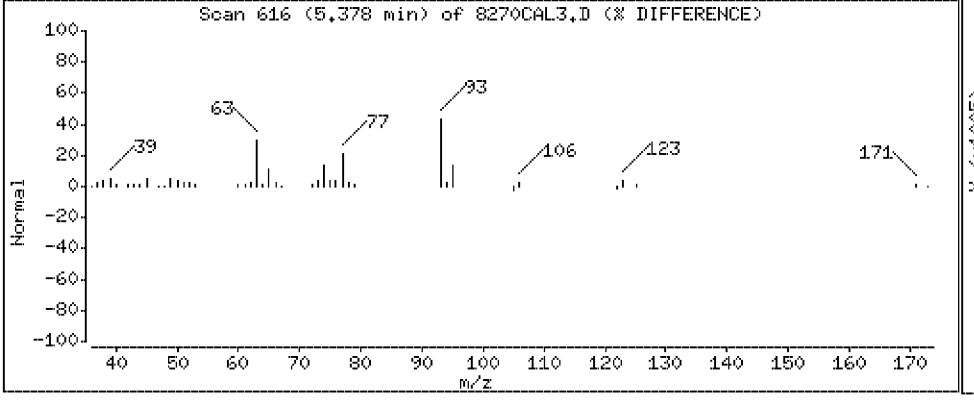












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

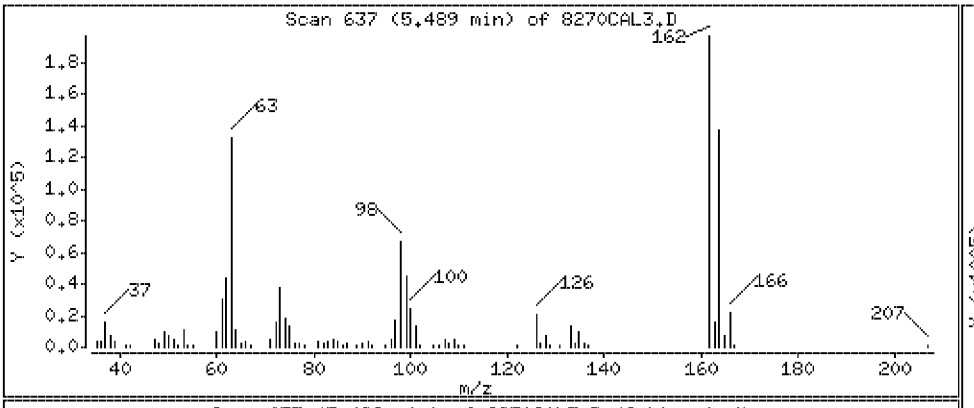
Operator: PEL

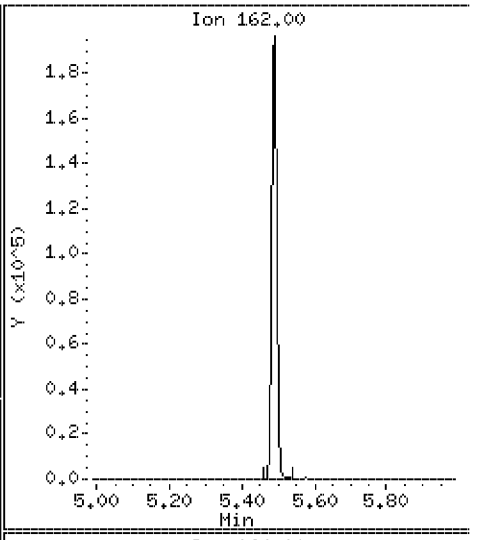
Column phase: HPMS-5

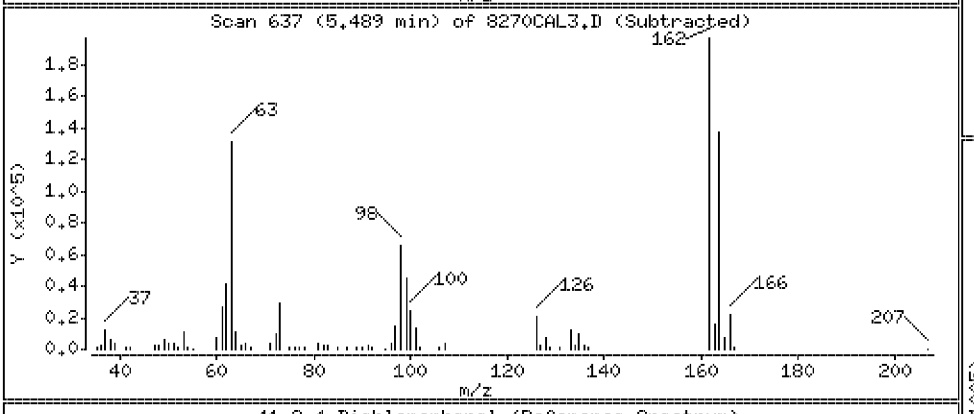
Column diameter: 0.25

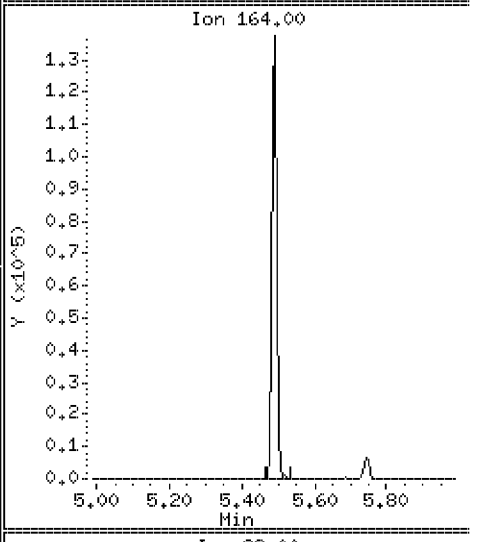
41 2,4-Dichlorophenol

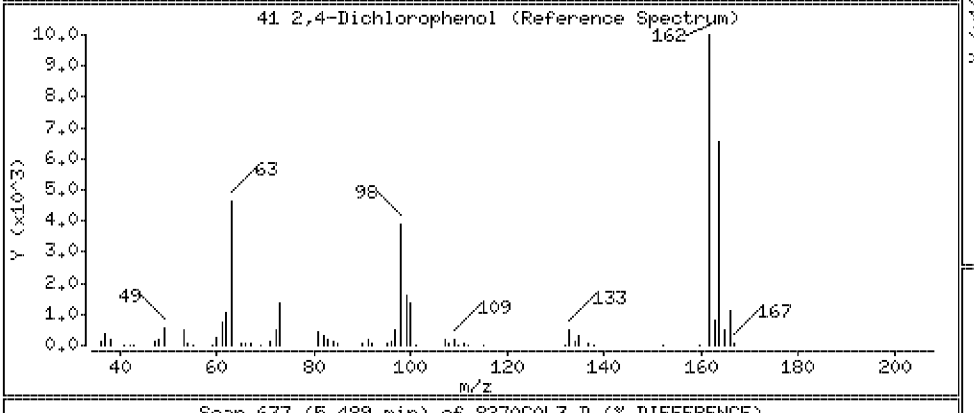
Concentration: 19.6 ug/l

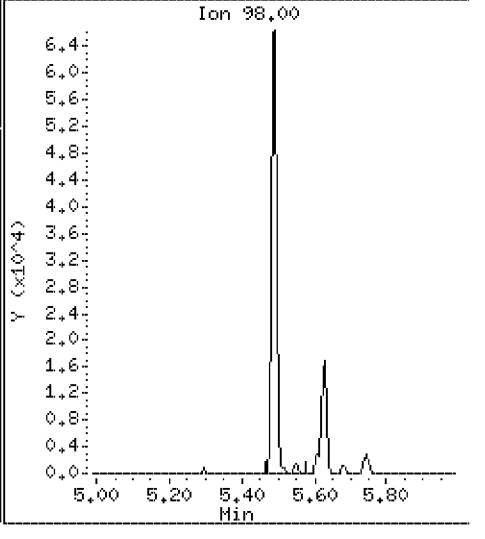


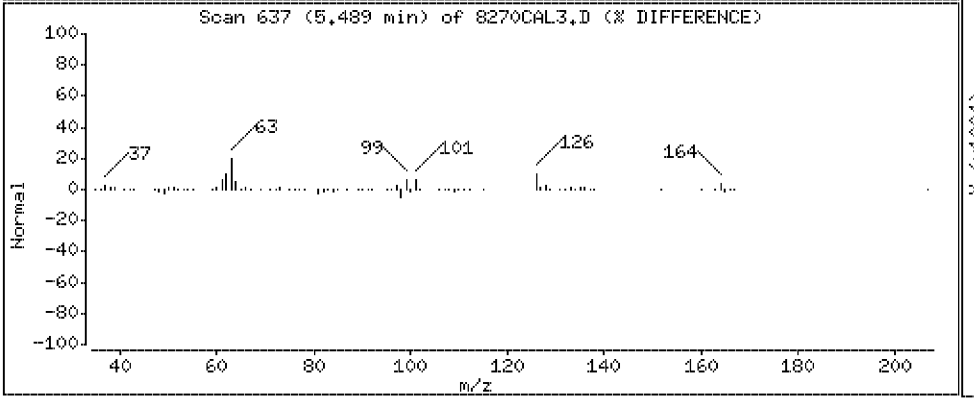












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

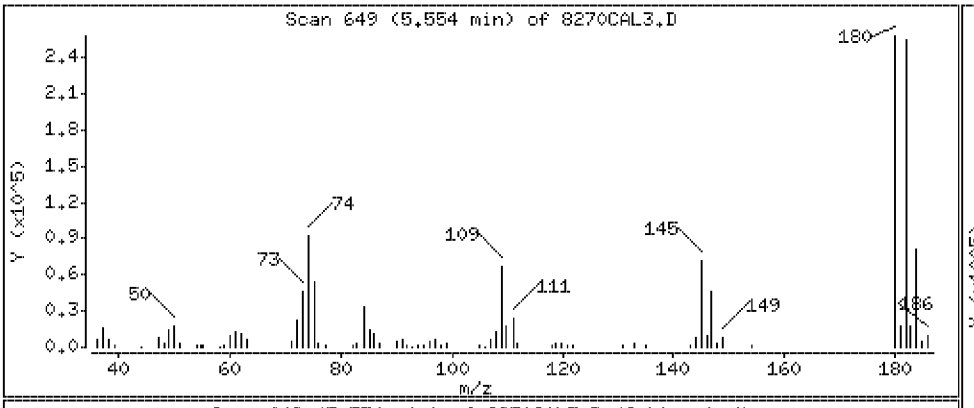
Operator: PEL

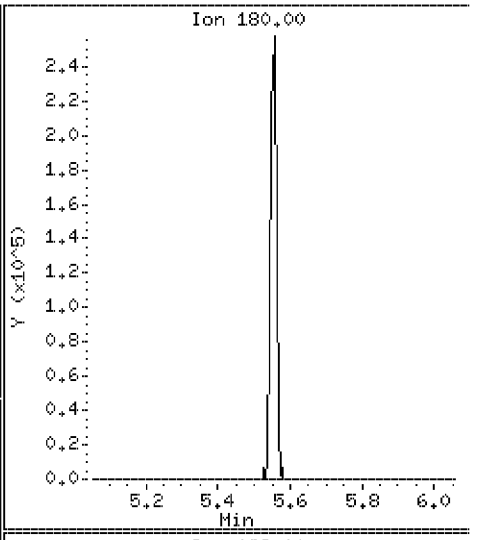
Column phase: HPMS-5

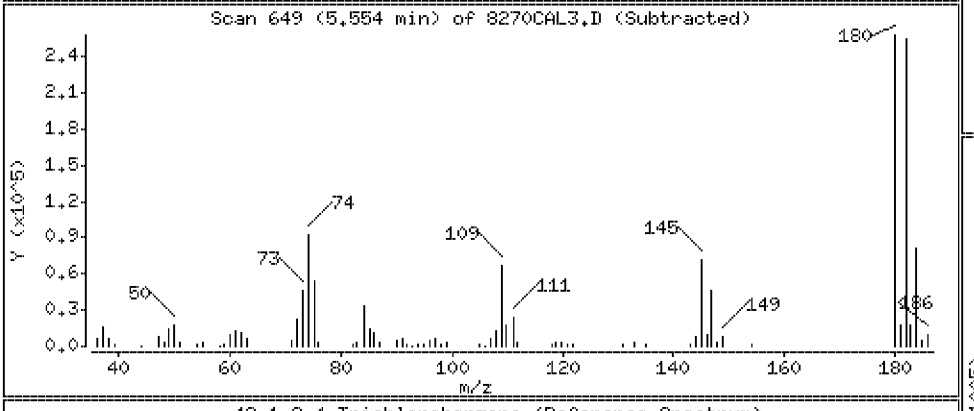
Column diameter: 0.25

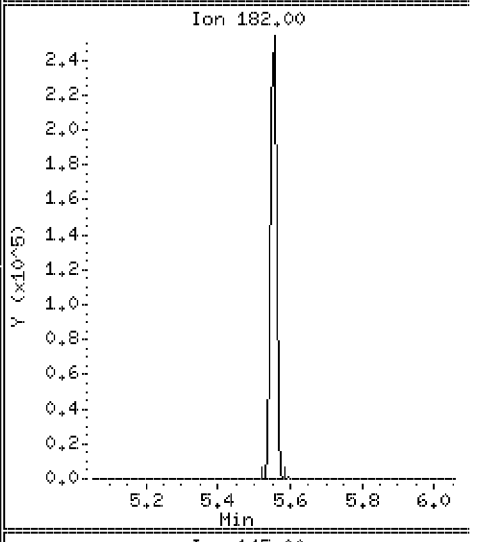
42 1,2,4-Trichlorobenzene

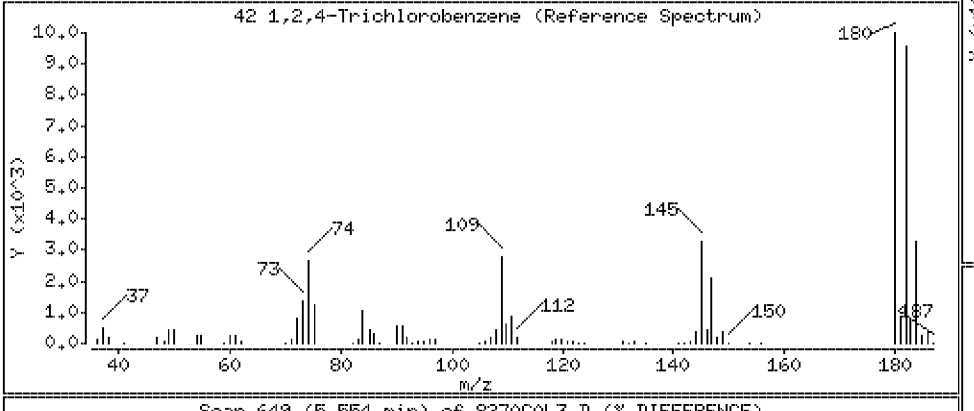
Concentration: 19.2 ug/l

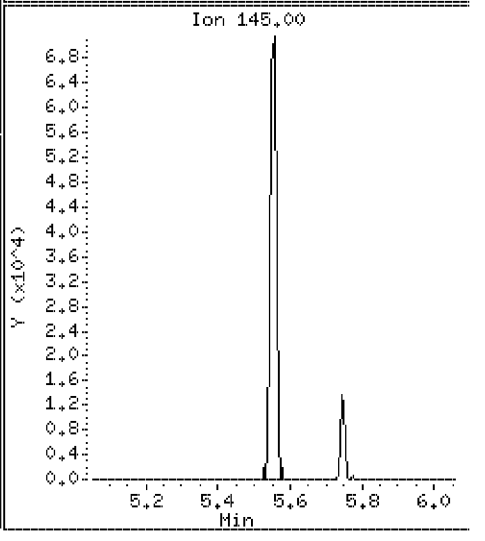


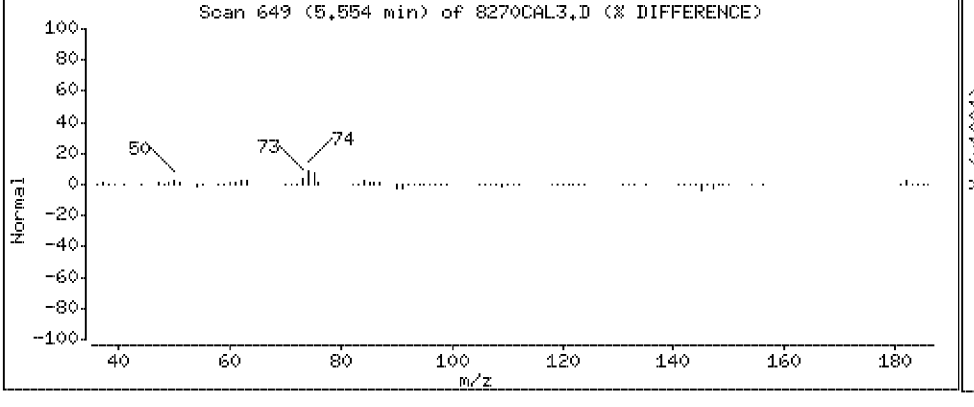












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

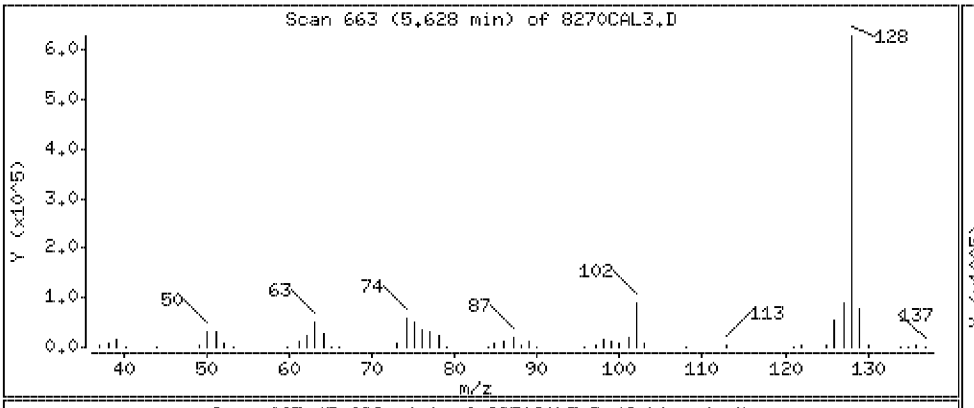
Operator: PEL

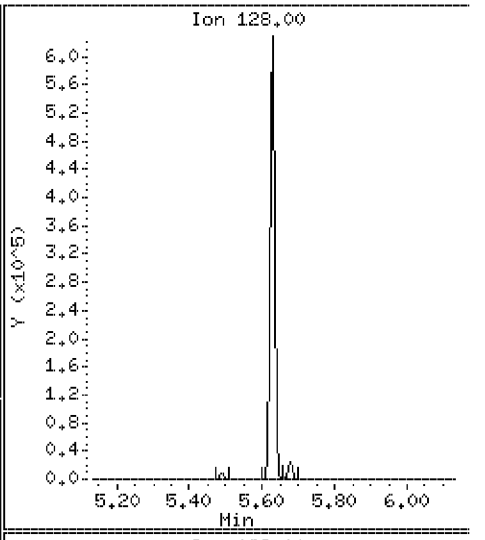
Column phase: HPMS-5

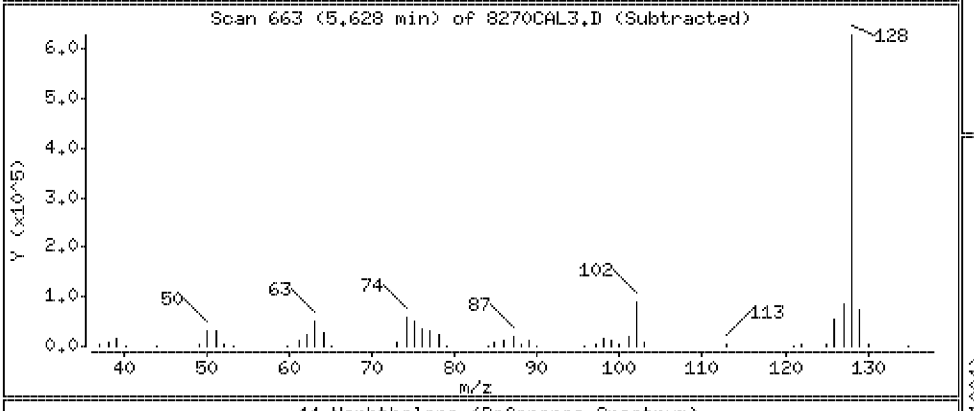
Column diameter: 0.25

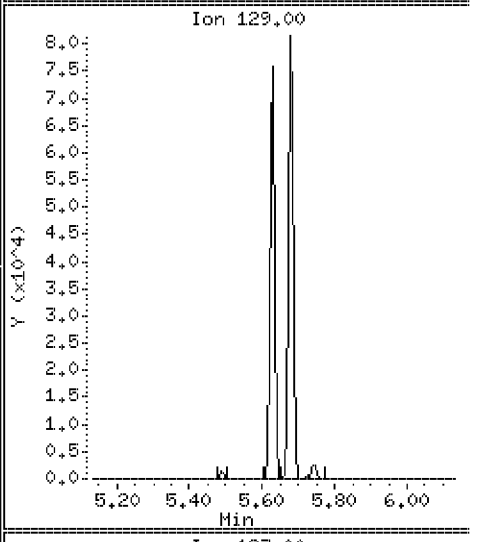
44 Naphthalene

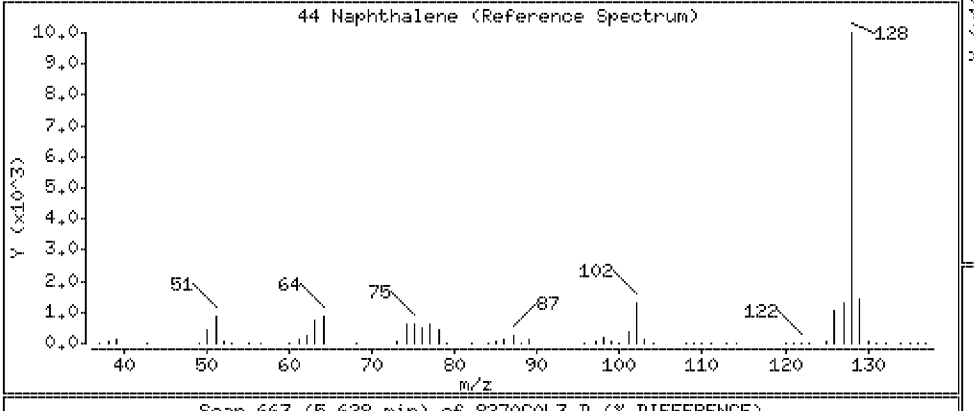
Concentration: 20.0 ug/l

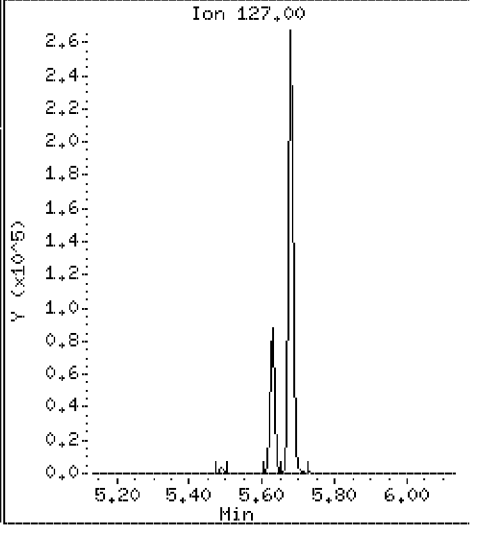


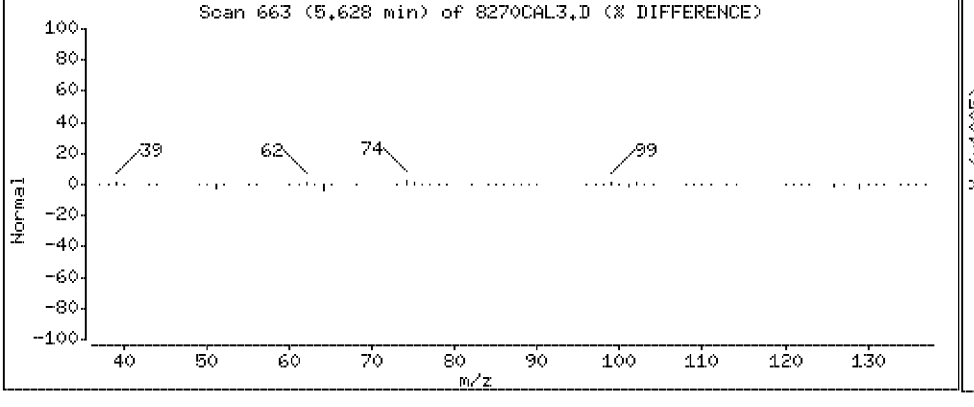












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

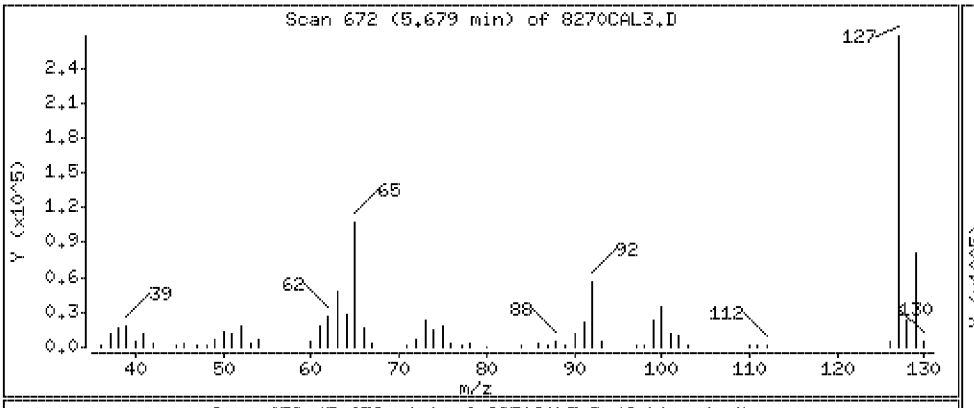
Operator: PEL

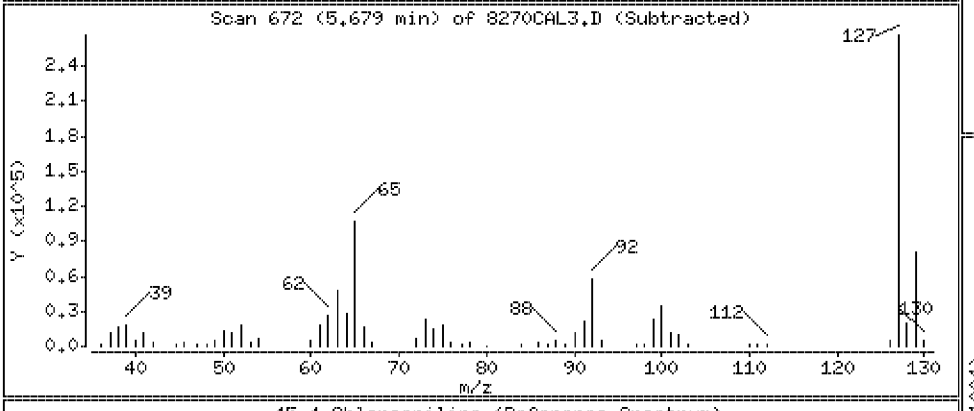
Column phase: HPMS-5

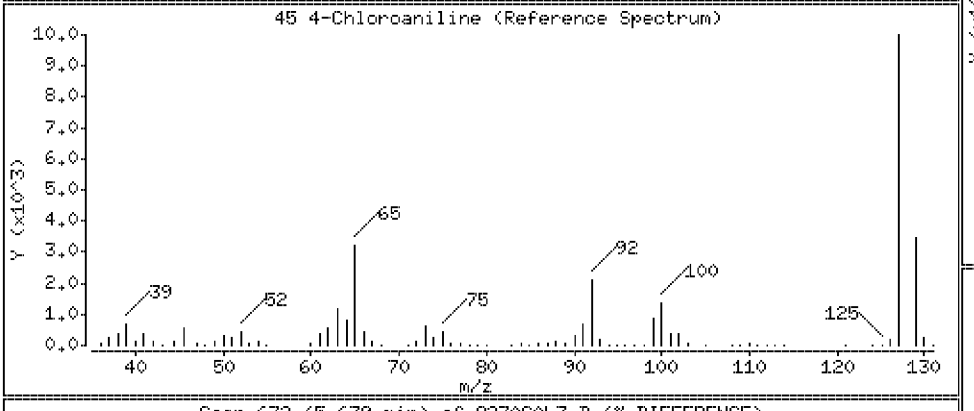
Column diameter: 0.25

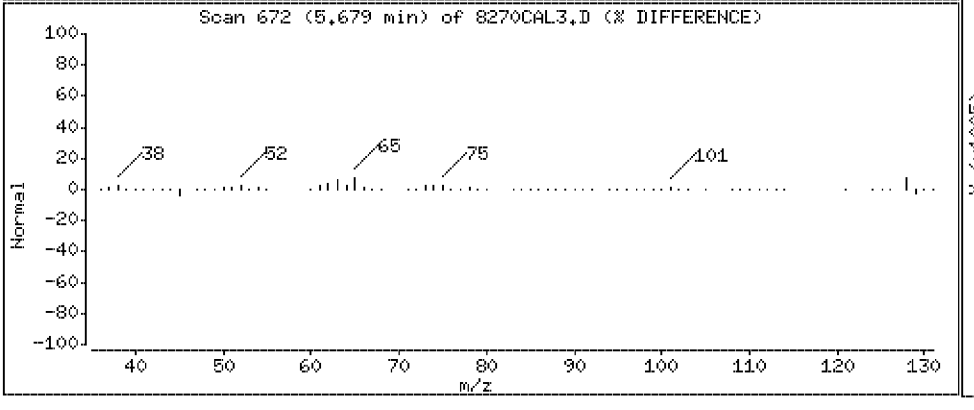
45 4-Chloroaniline

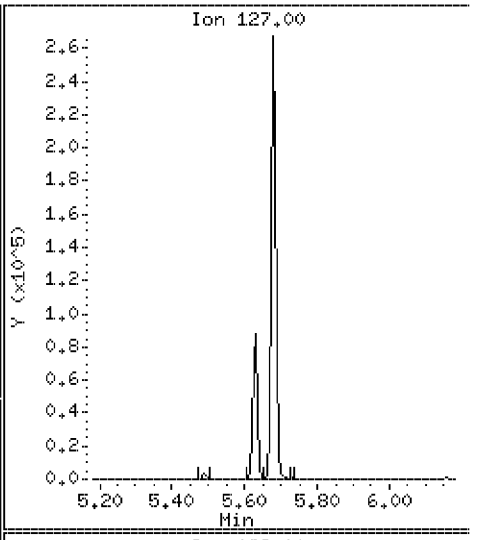
Concentration: 19.8 ug/l

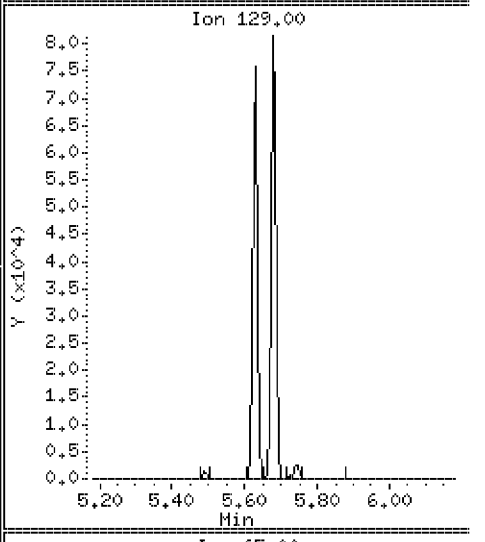


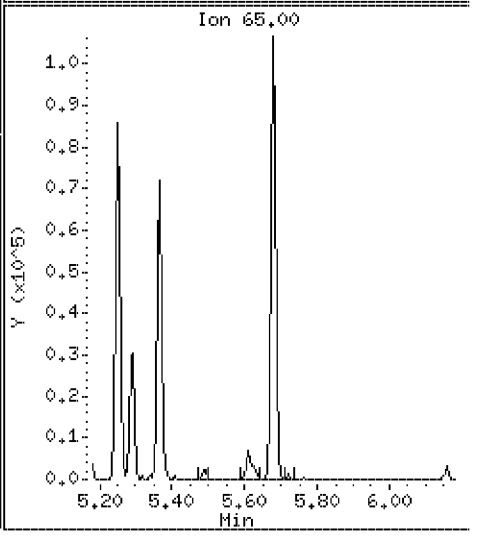












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

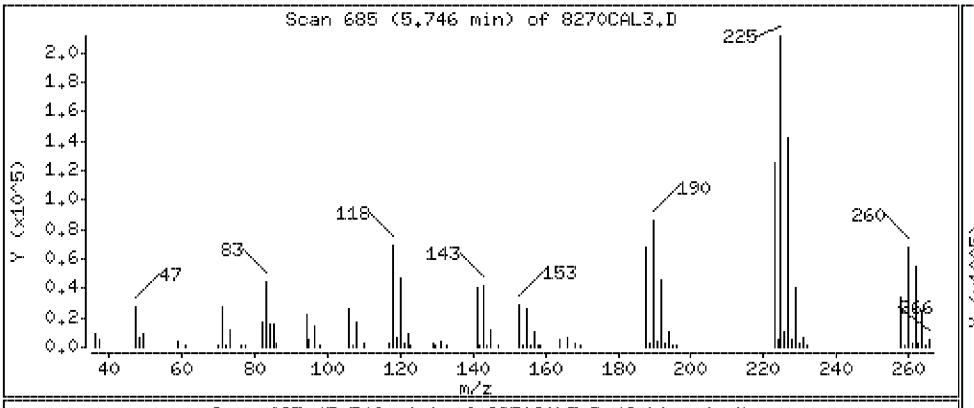
Operator: PEL

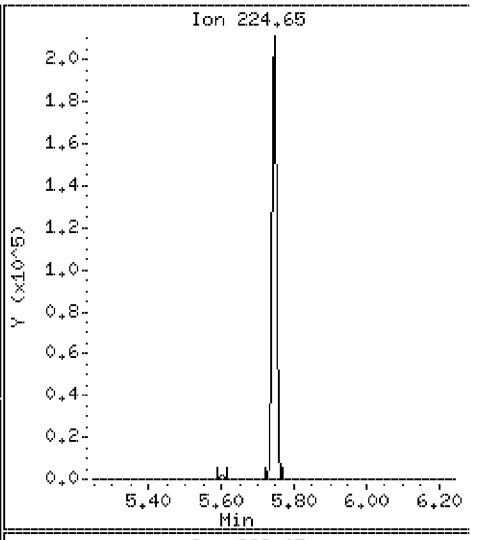
Column phase: HPMS-5

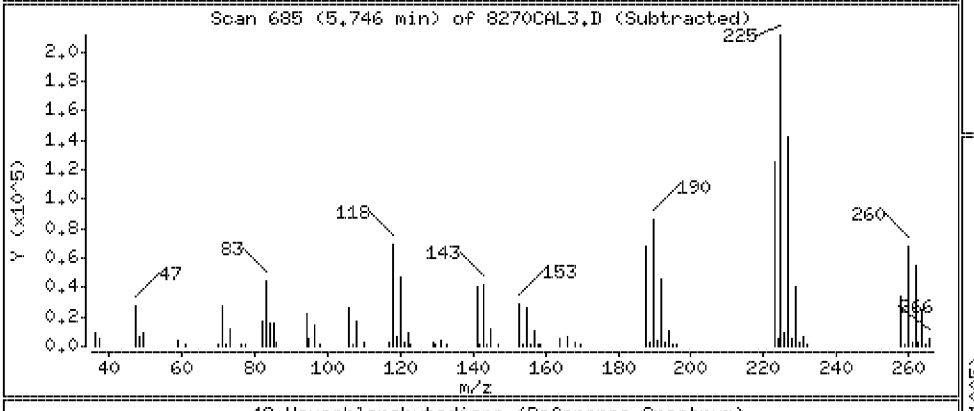
Column diameter: 0.25

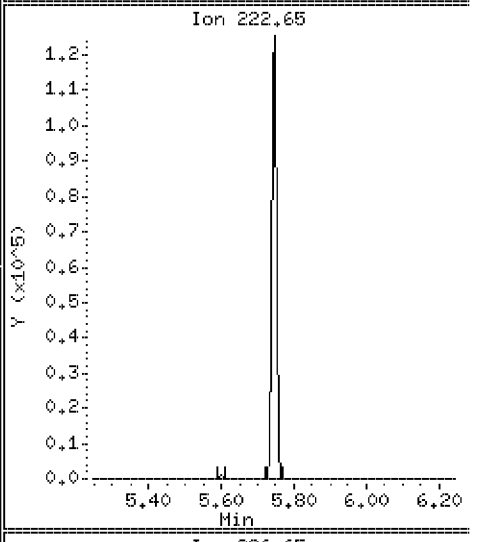
48 Hexachlorobutadiene

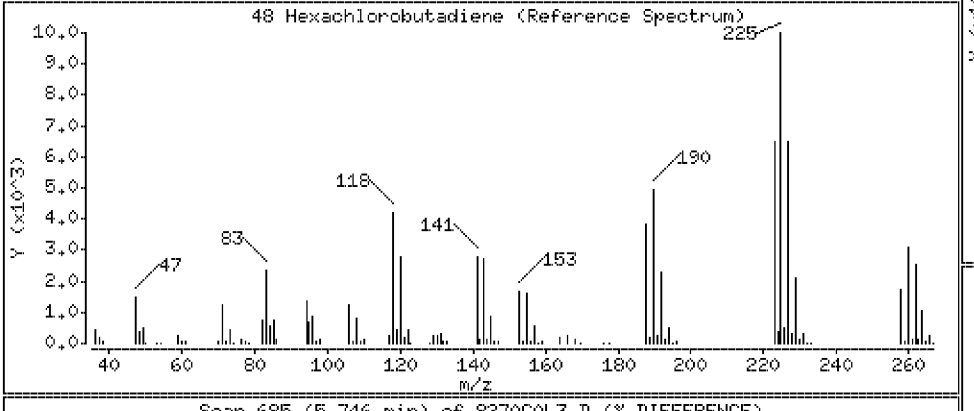
Concentration: 19.9 ug/l

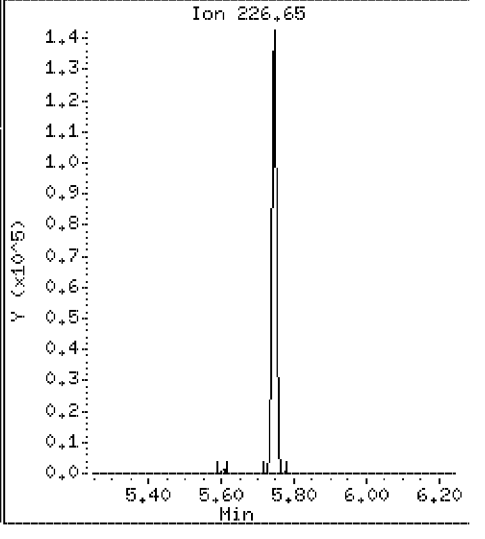


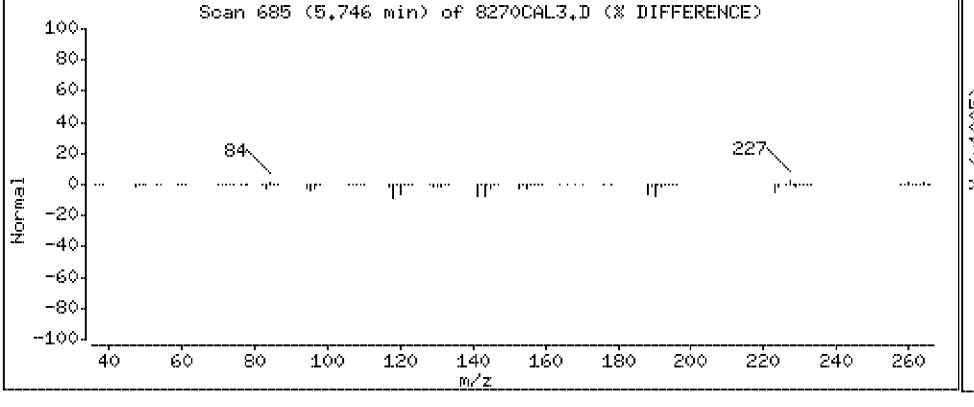












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

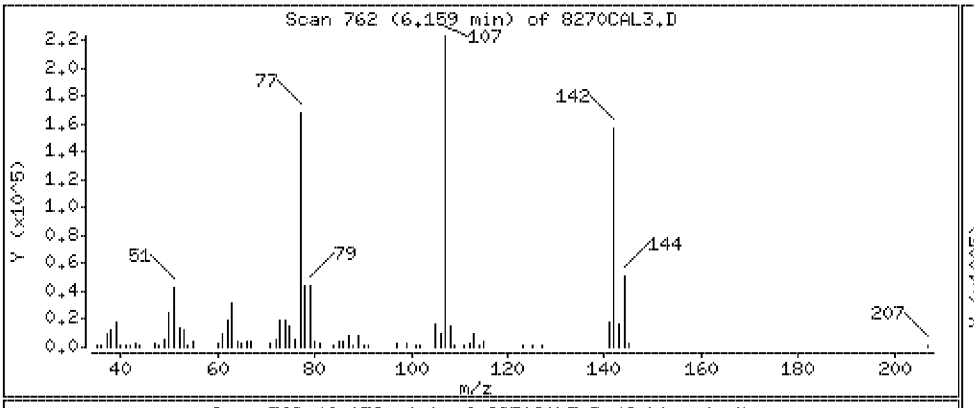
Operator: PEL

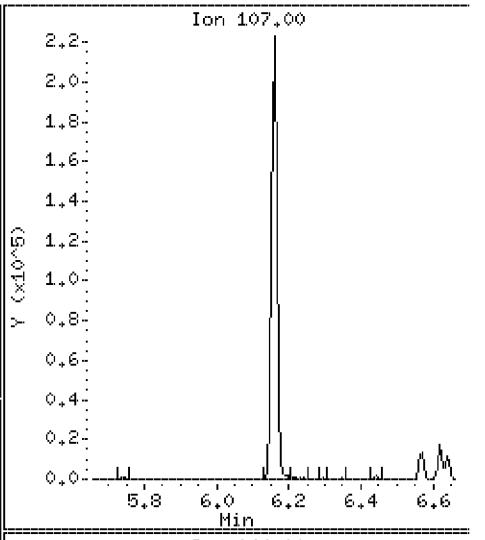
Column phase: HPMS-5

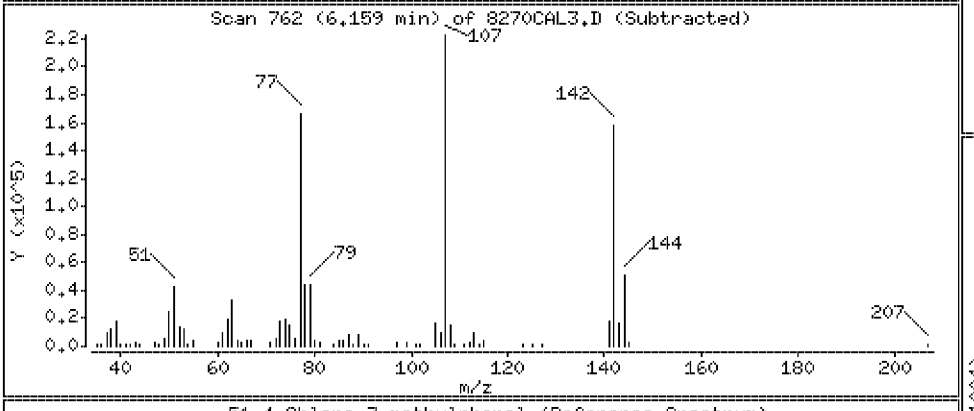
Column diameter: 0.25

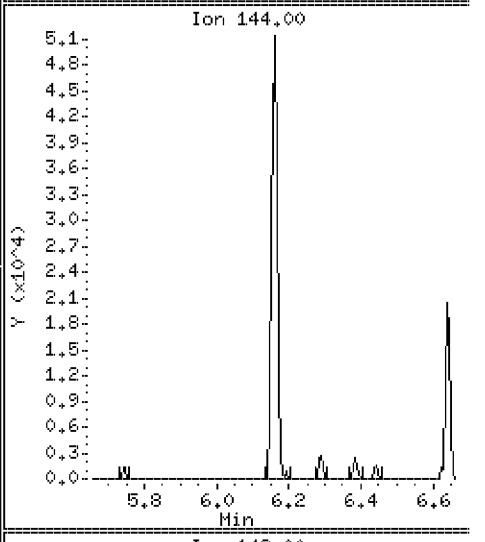
51 4-Chloro-3-methylphenol

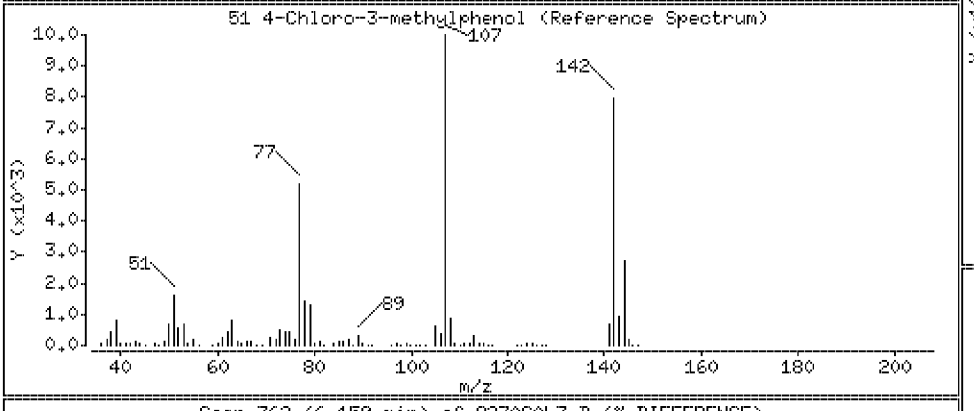
Concentration: 19.9 ug/l

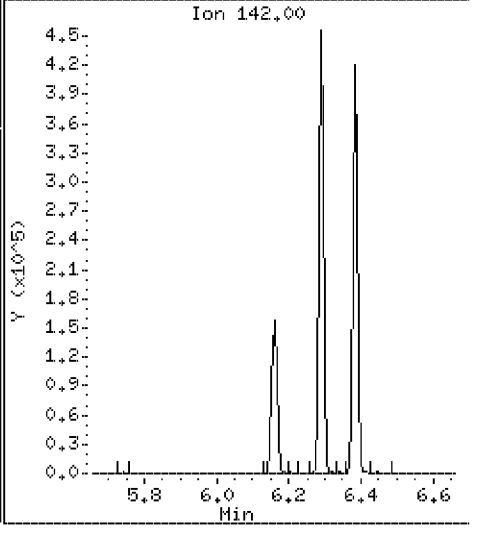


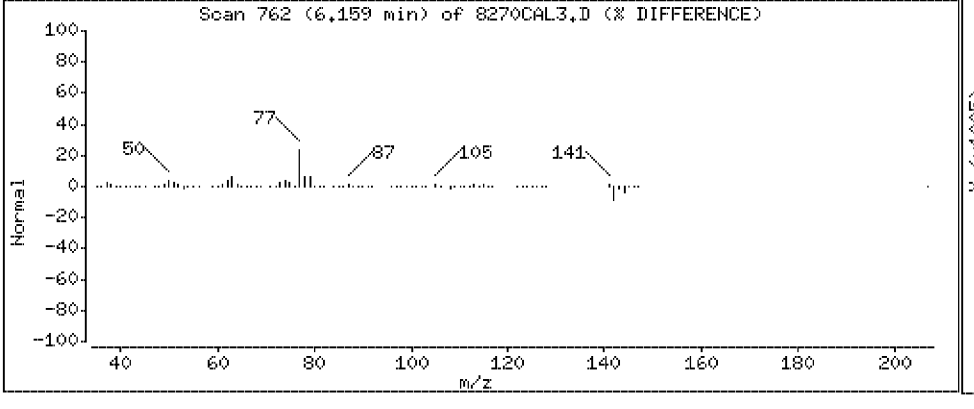












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

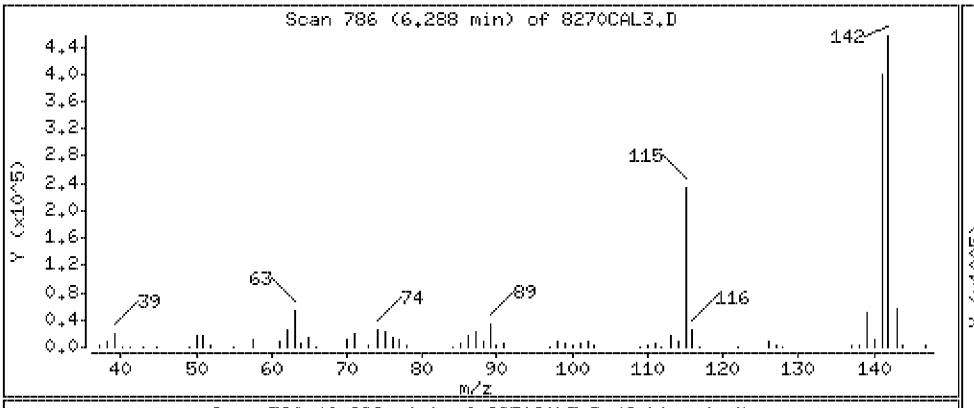
Operator: PEL

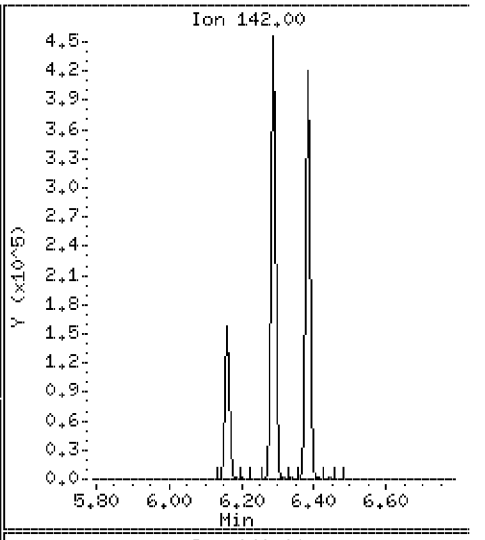
Column phase: HPMS-5

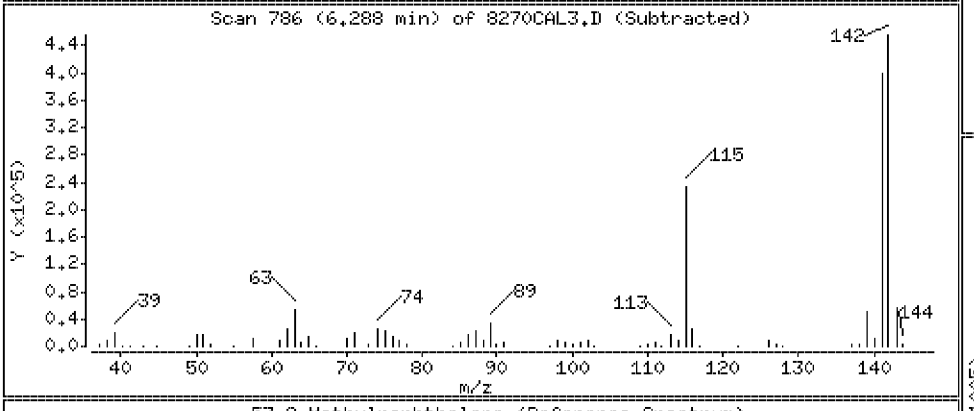
Column diameter: 0.25

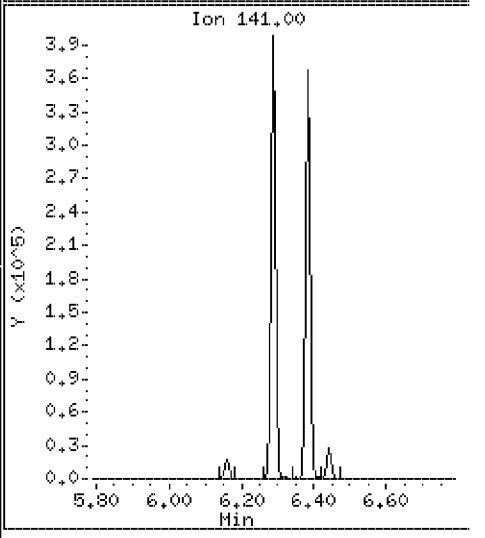
53 2-Methylnaphthalene

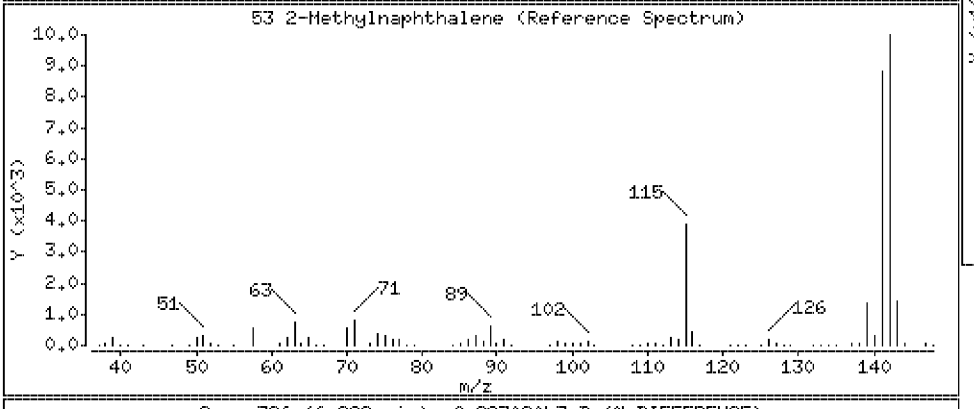
Concentration: 19.5 ug/l

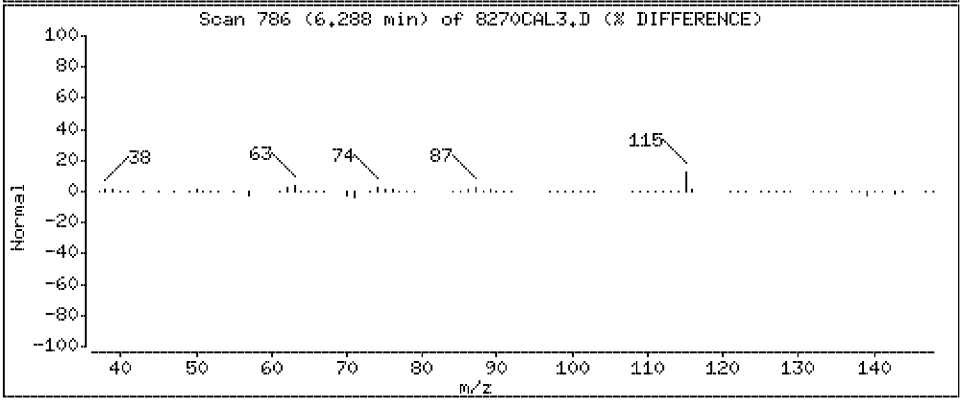












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

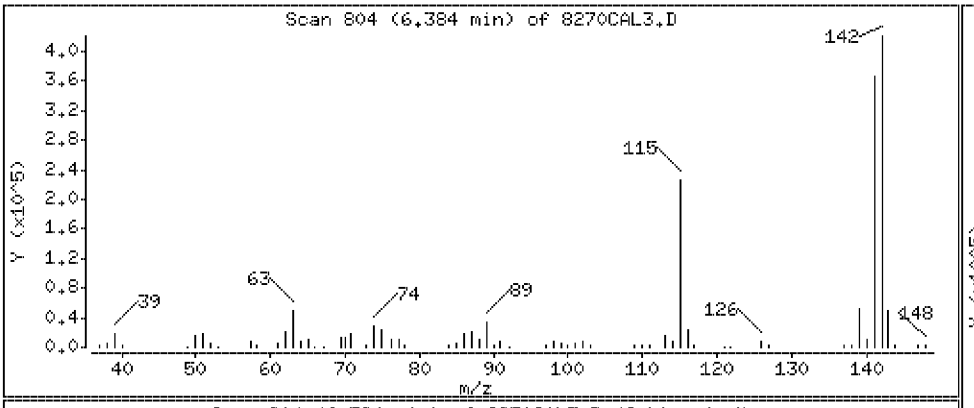
Operator: PEL

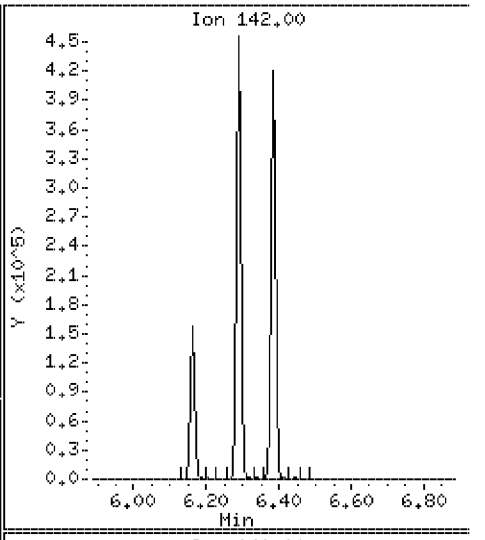
Column phase: HPMS-5

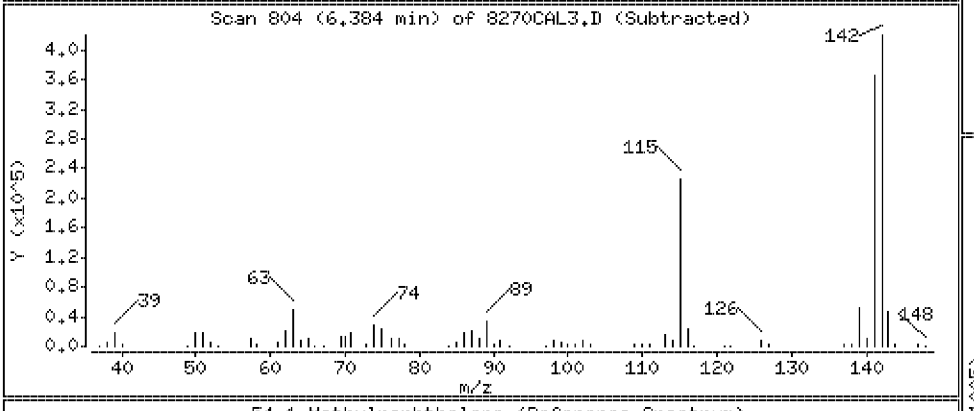
Column diameter: 0.25

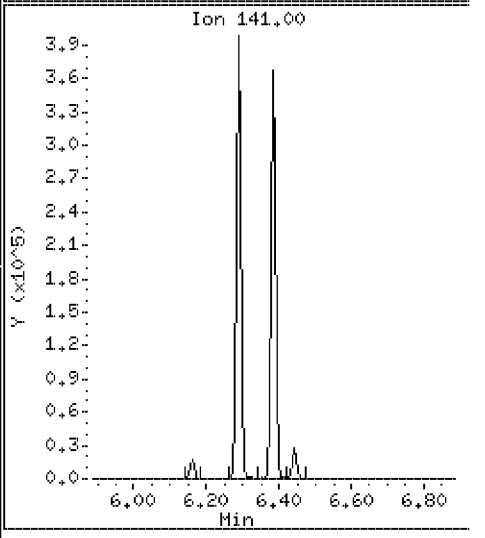
54 1-Methylnaphthalene

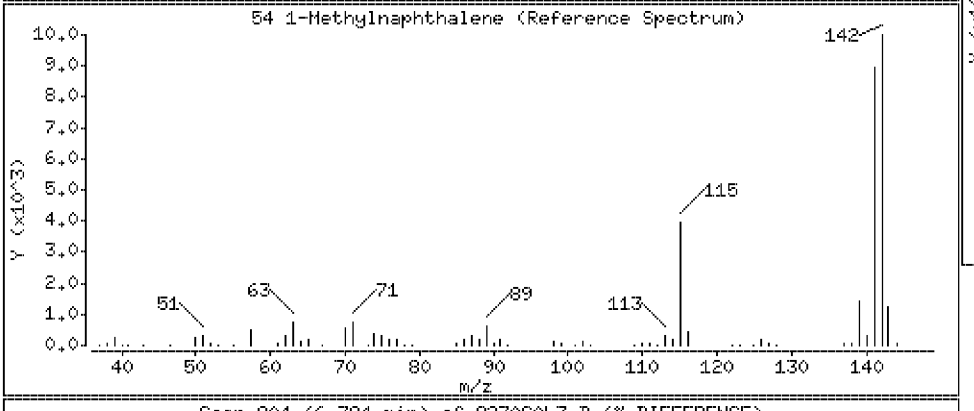
Concentration: 19.9 ug/l

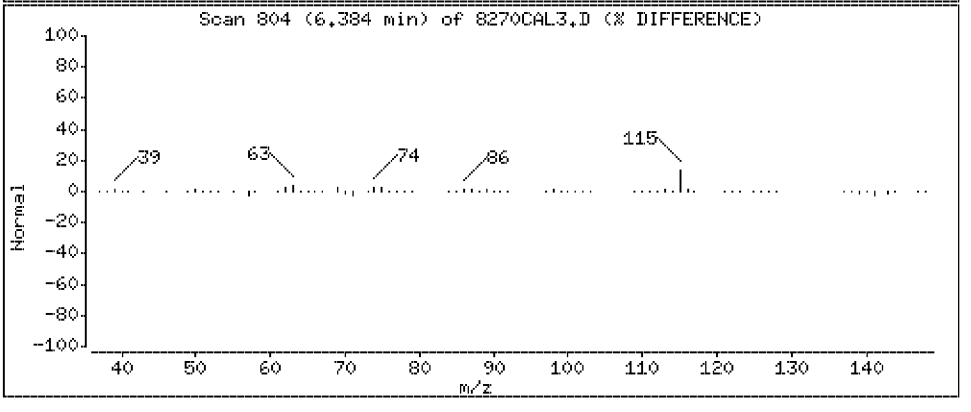












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

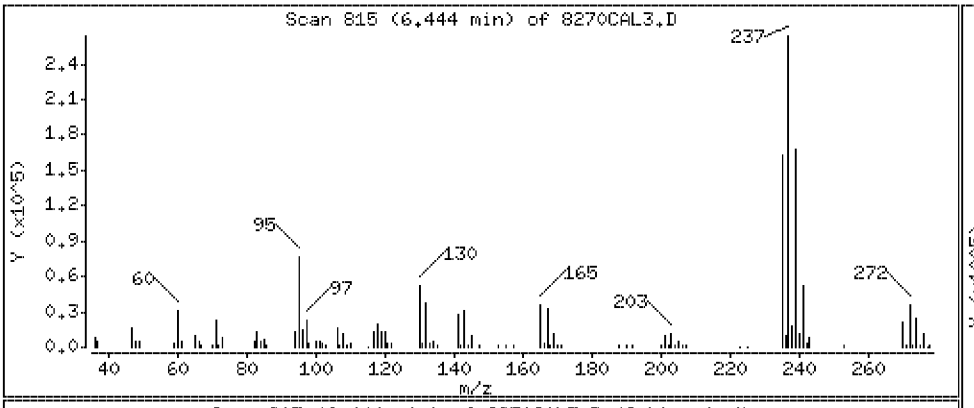
Operator: PEL

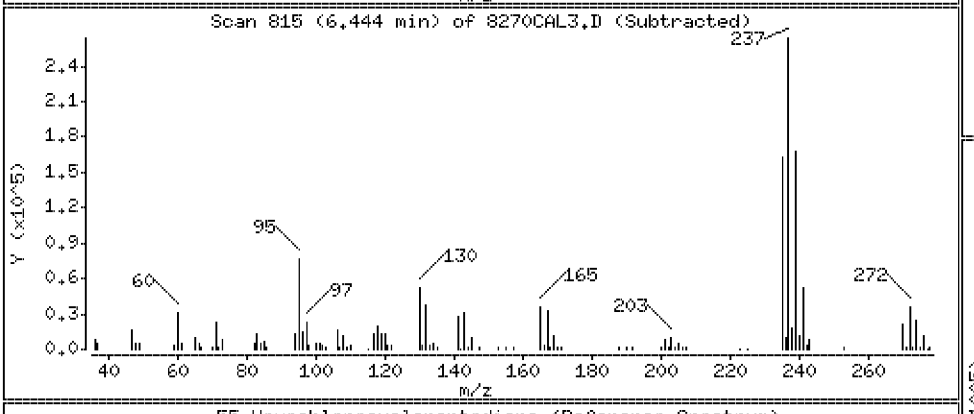
Column phase: HPMS-5

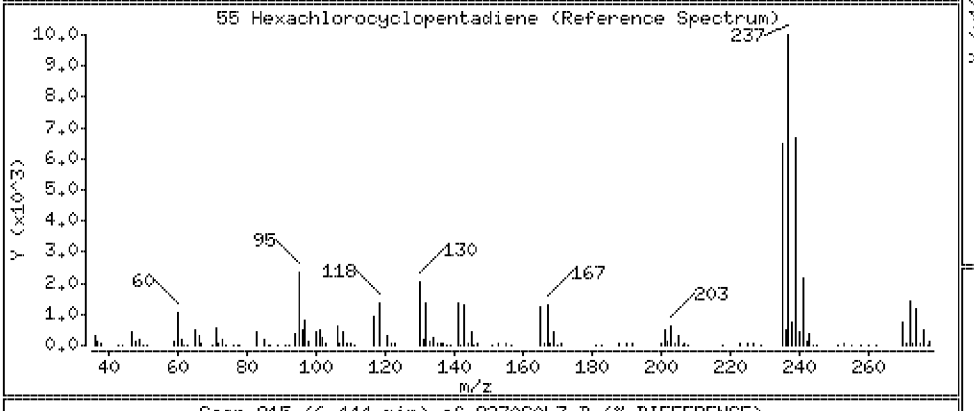
Column diameter: 0.25

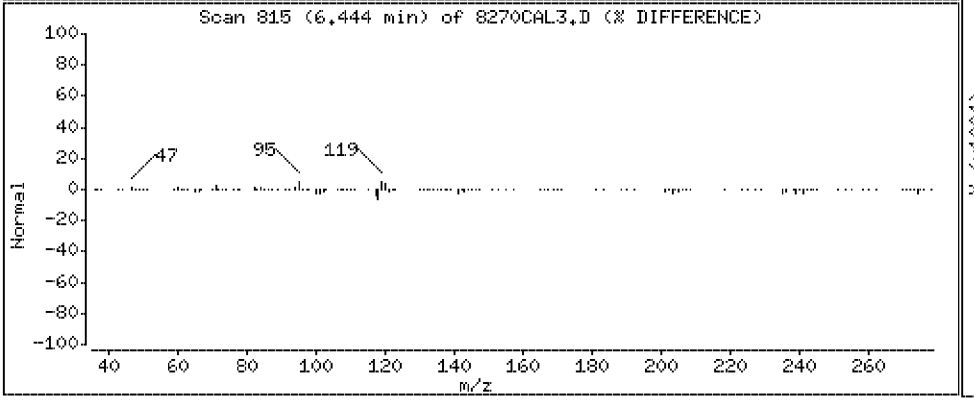
55 Hexachlorocyclopentadiene

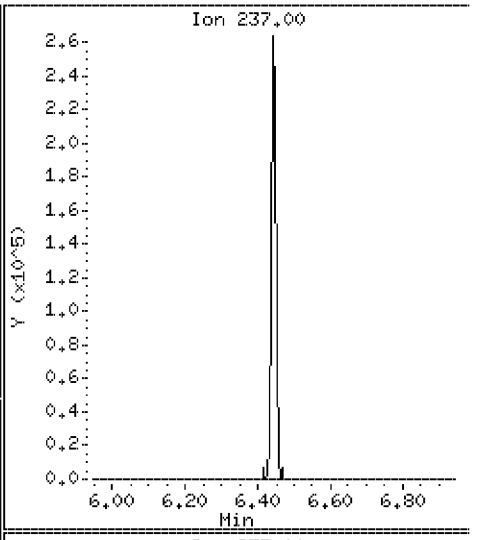
Concentration: 19.8 ug/l

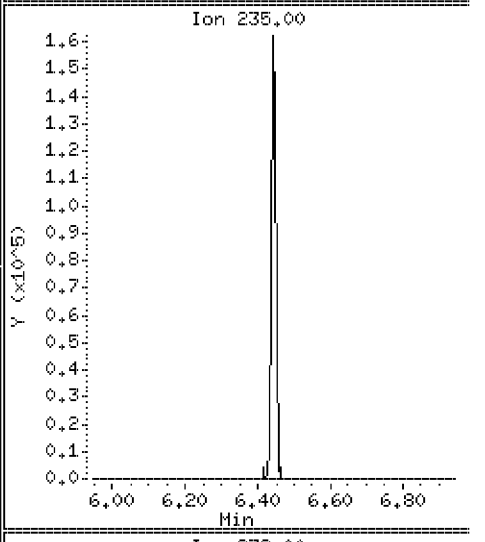


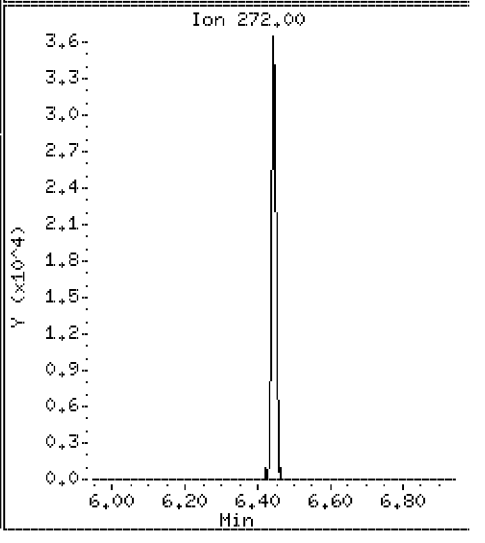












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

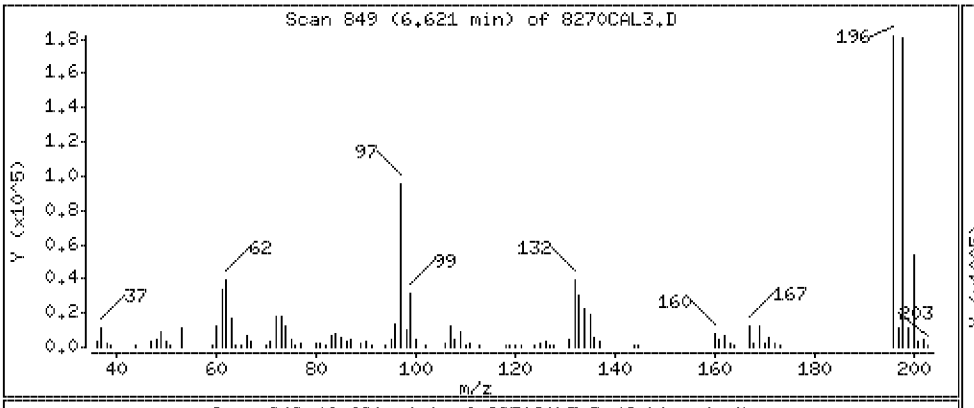
Operator: PEL

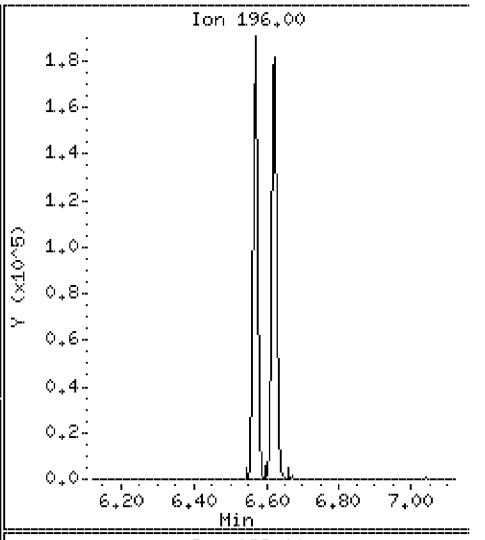
Column phase: HPMS-5

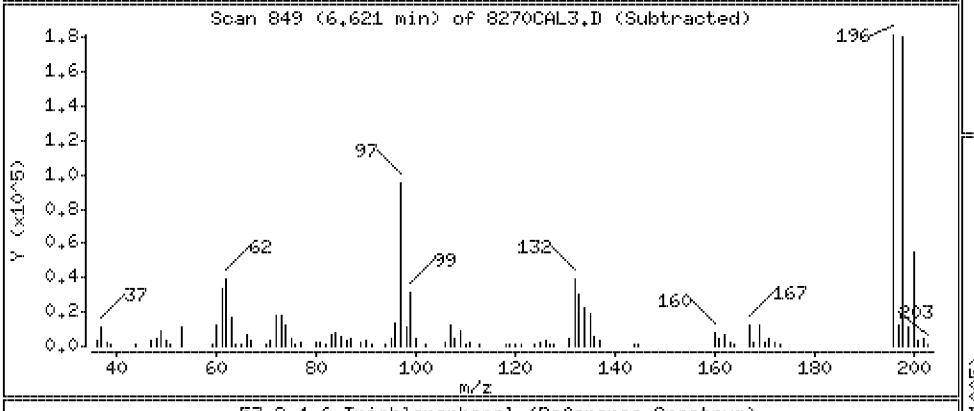
Column diameter: 0.25

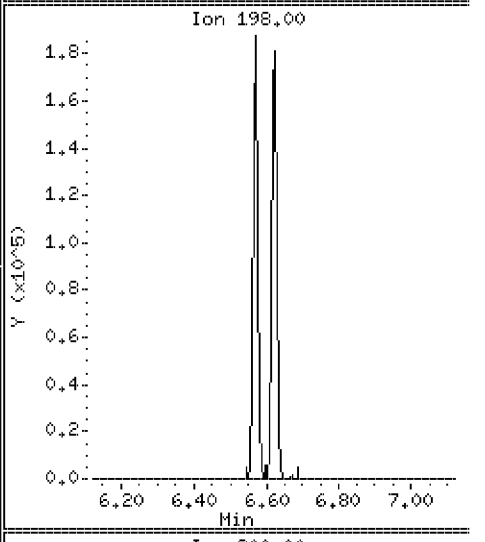
57 2,4,6-Trichlorophenol

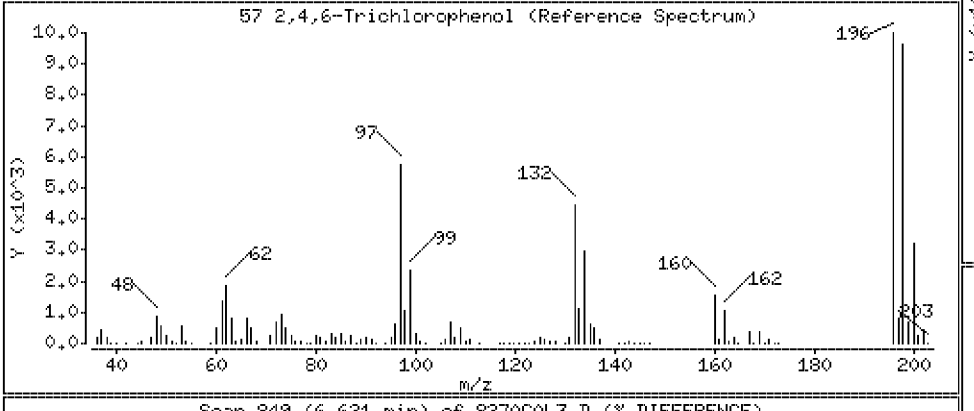
Concentration: 19.5 ug/l

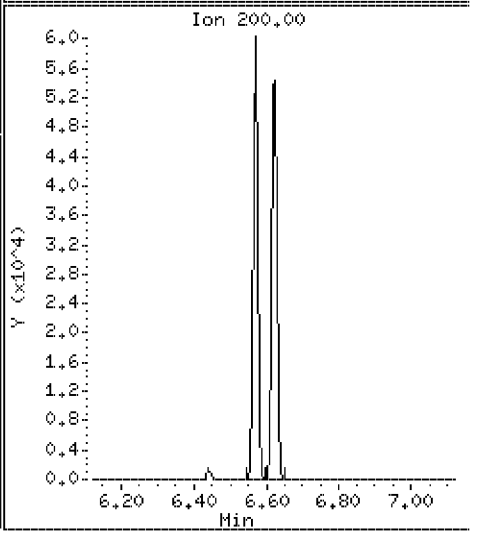


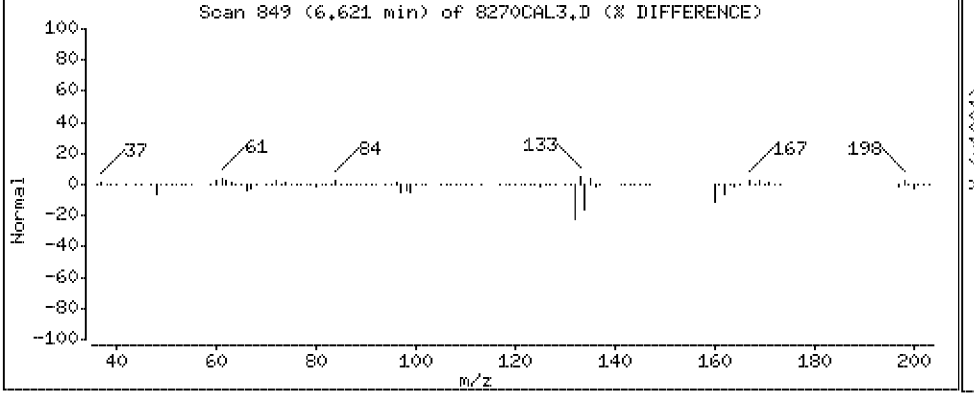












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

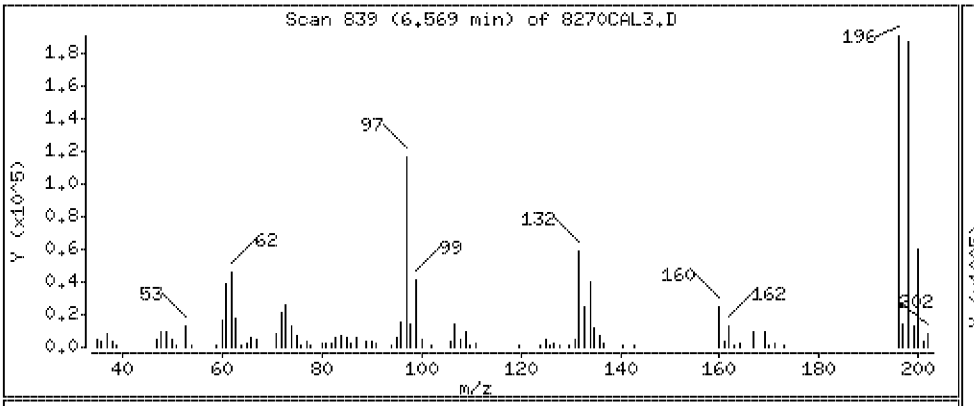
Operator: PEL

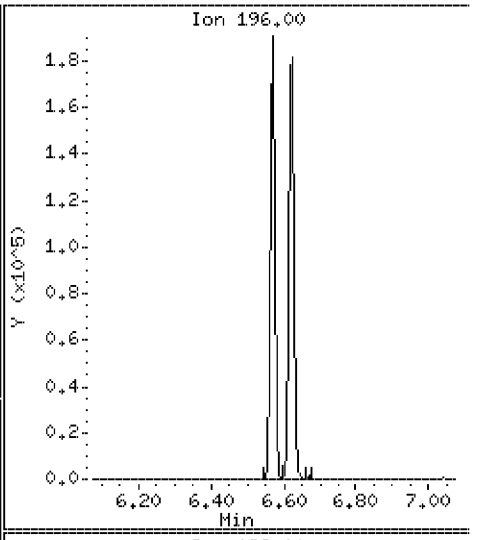
Column phase: HPMS-5

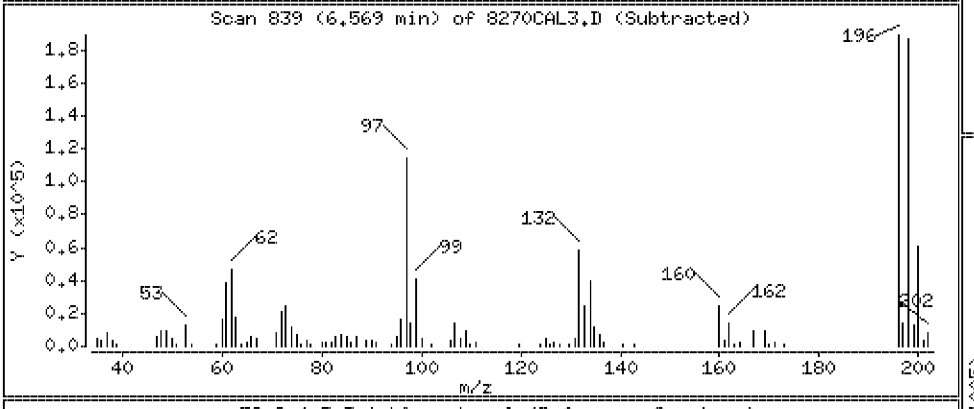
Column diameter: 0.25

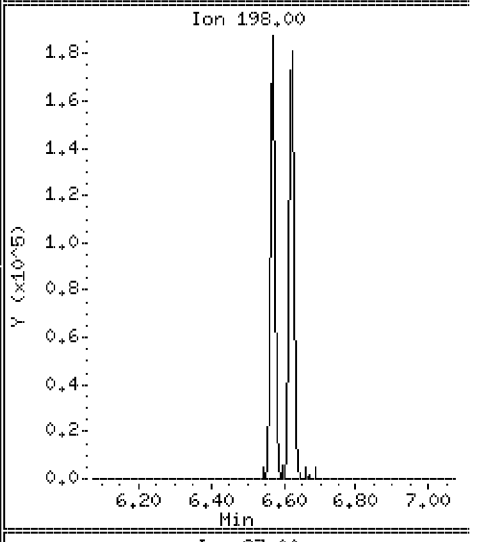
58 2,4,5-Trichlorophenol

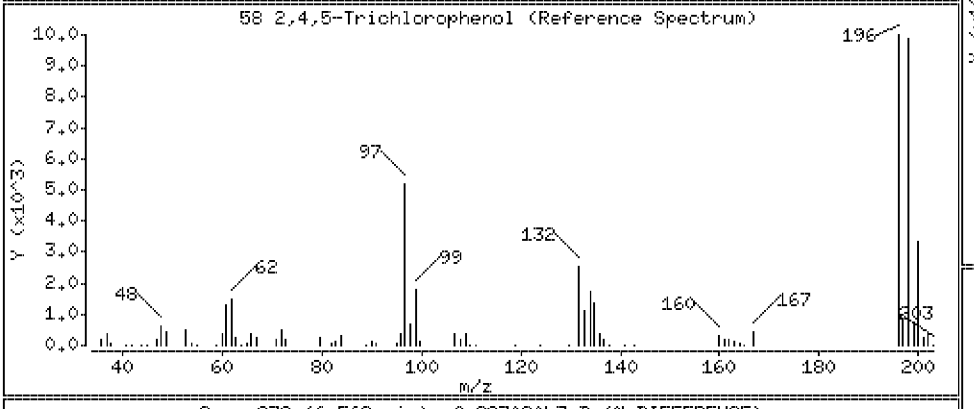
Concentration: 19.7 ug/l

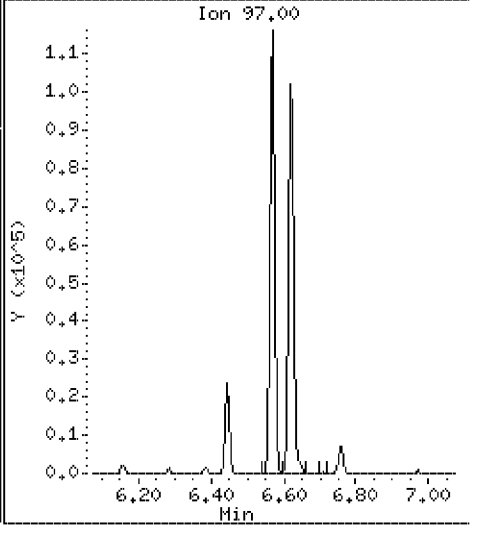


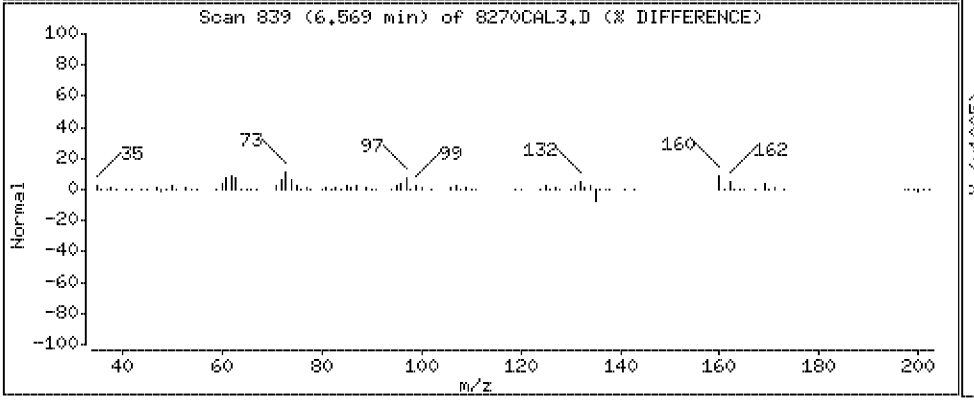












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

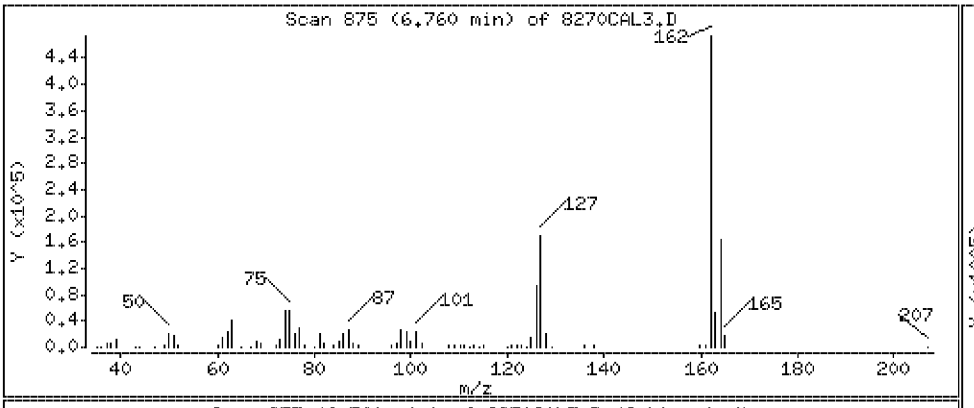
Operator: PEL

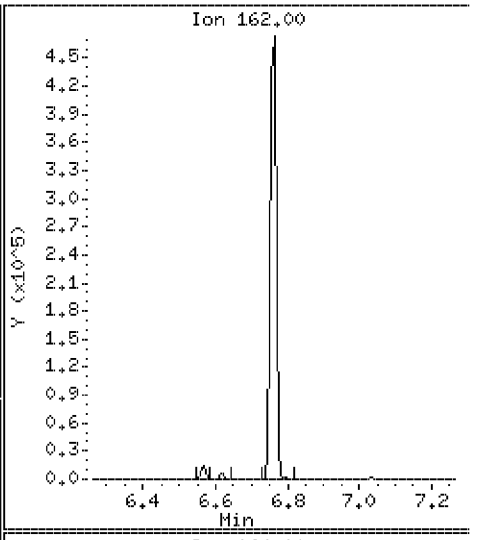
Column phase: HPMS-5

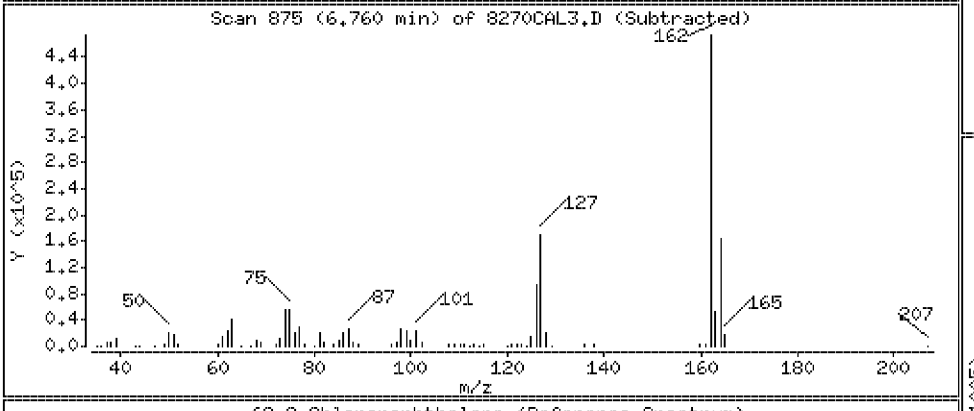
Column diameter: 0.25

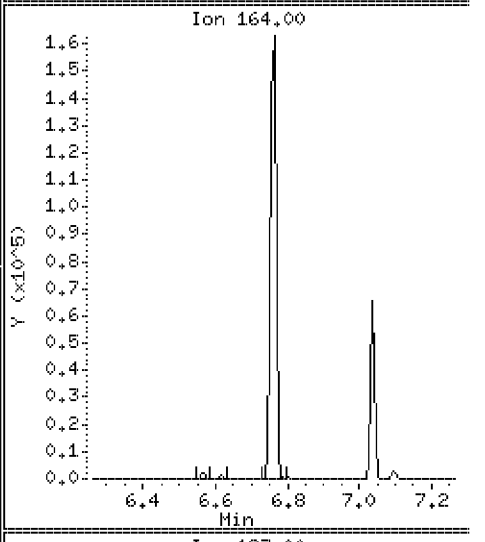
62 2-Chloronaphthalene

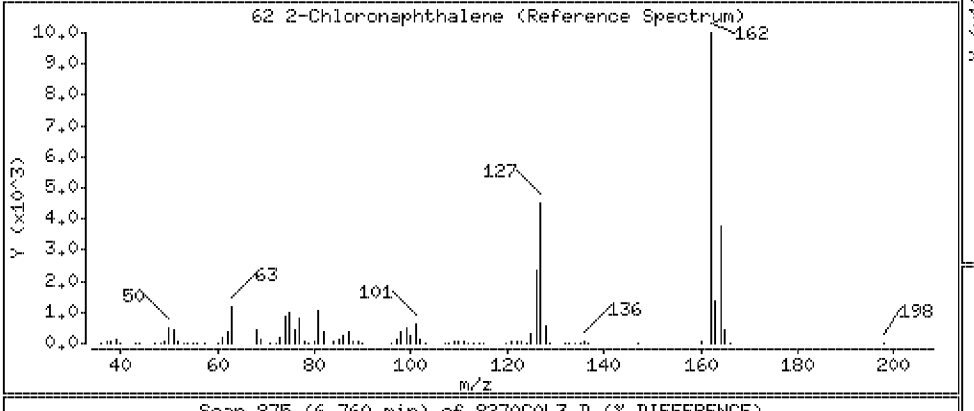
Concentration: 19.9 ug/l

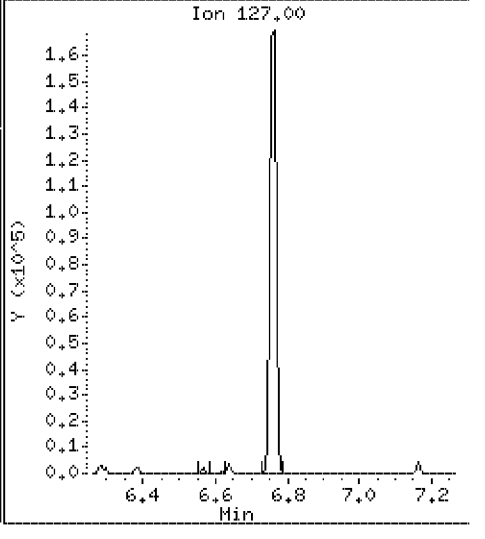


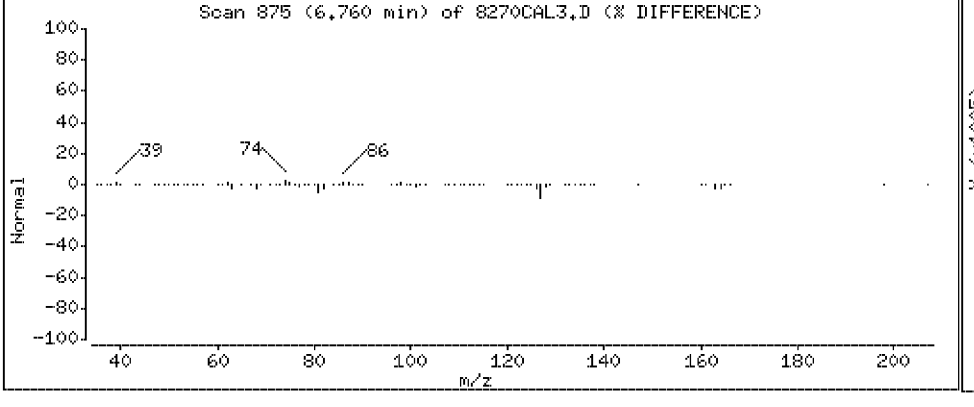












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

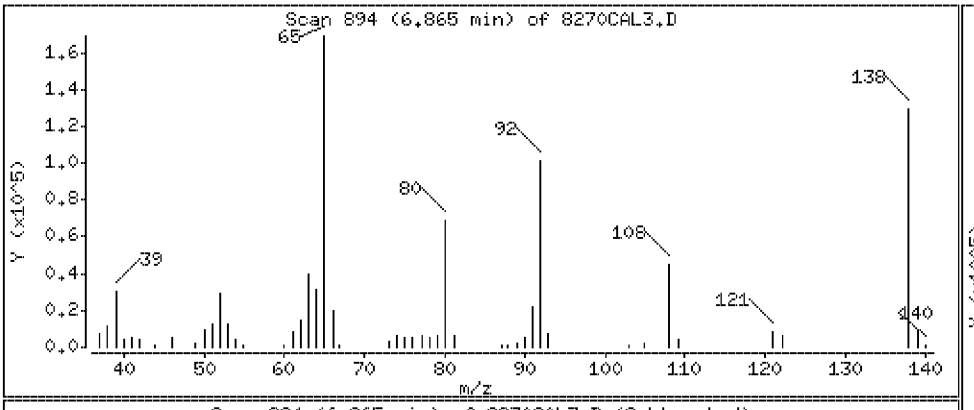
Operator: PEL

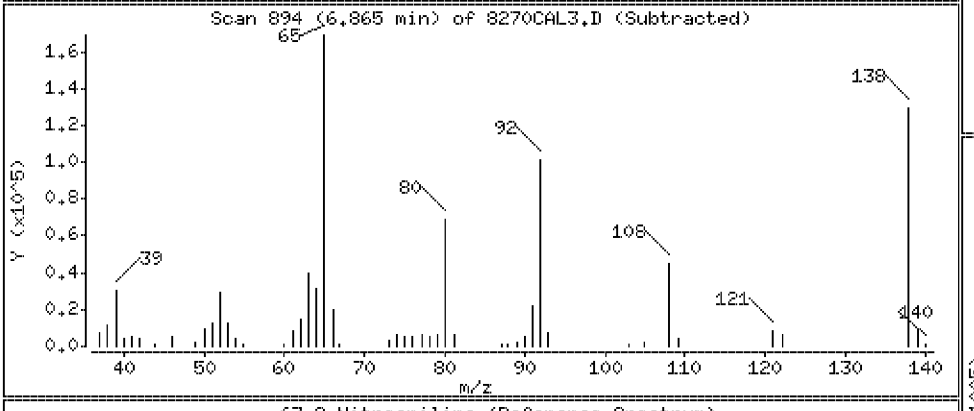
Column phase: HPMS-5

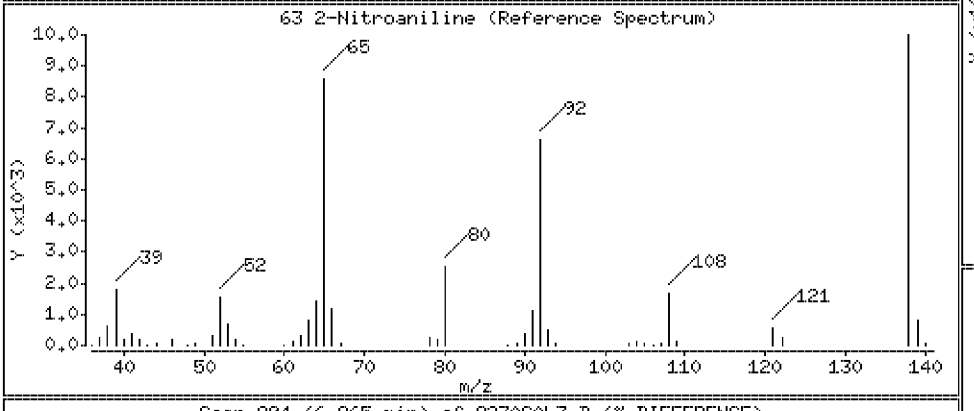
Column diameter: 0.25

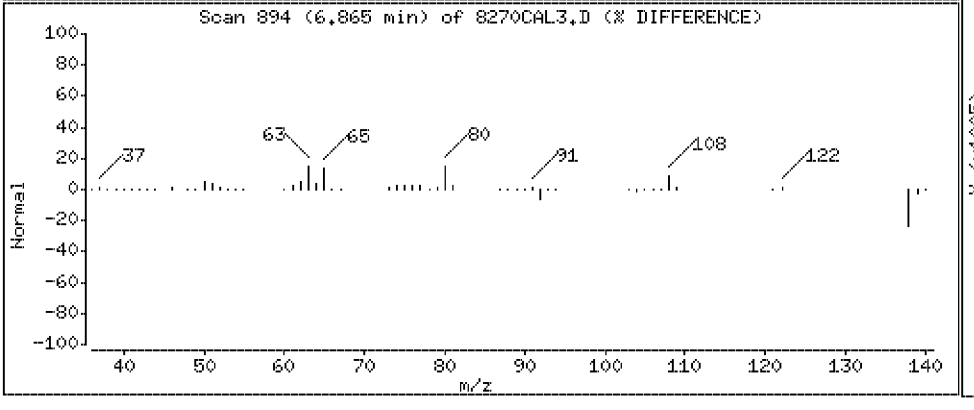
63 2-Nitroaniline

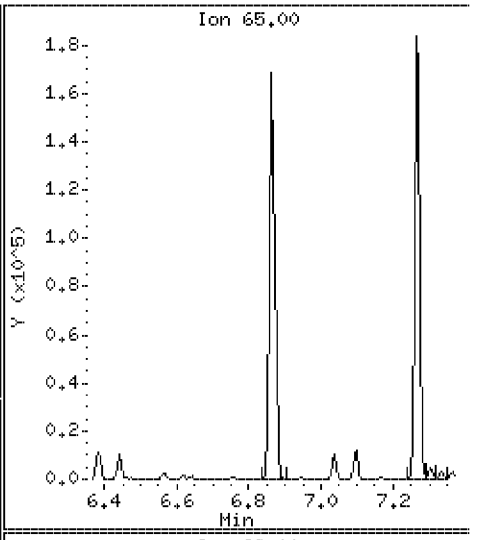
Concentration: 20.1 ug/l

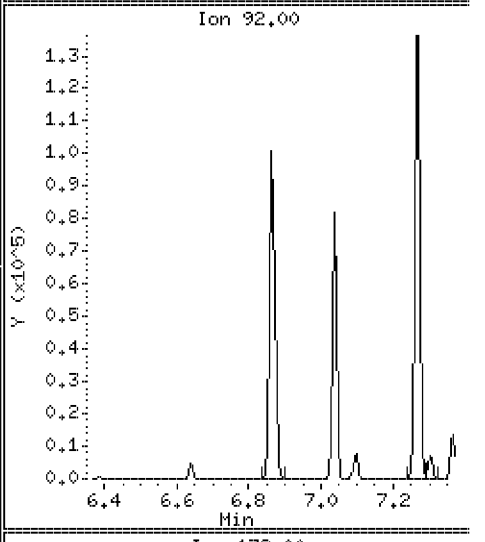


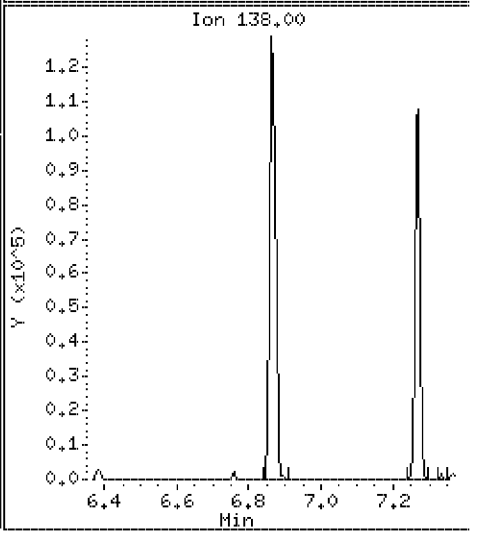












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

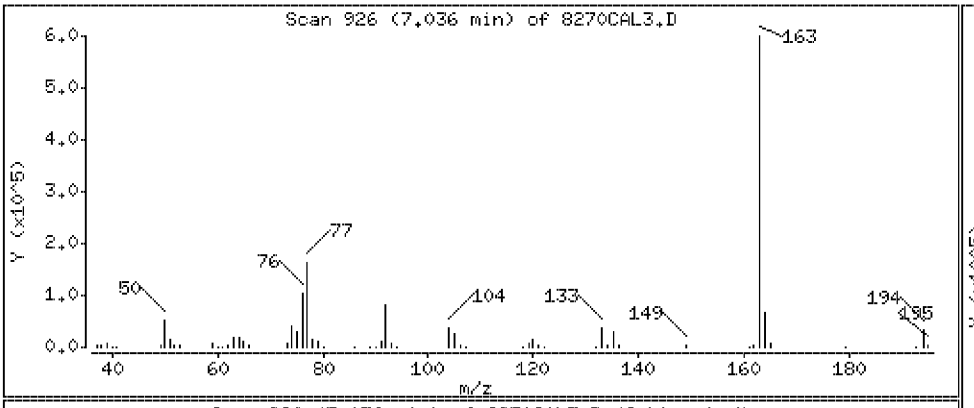
Operator: PEL

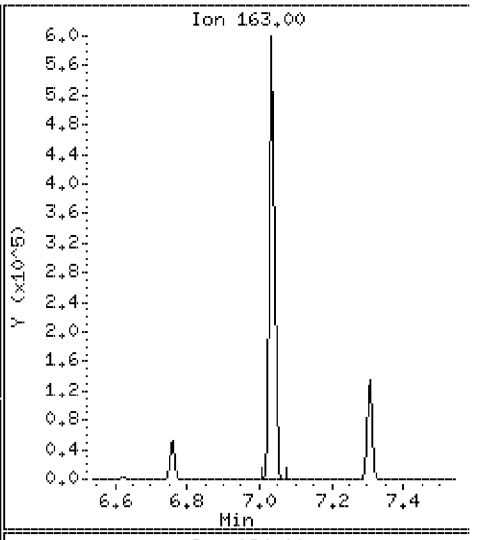
Column phase: HPMS-5

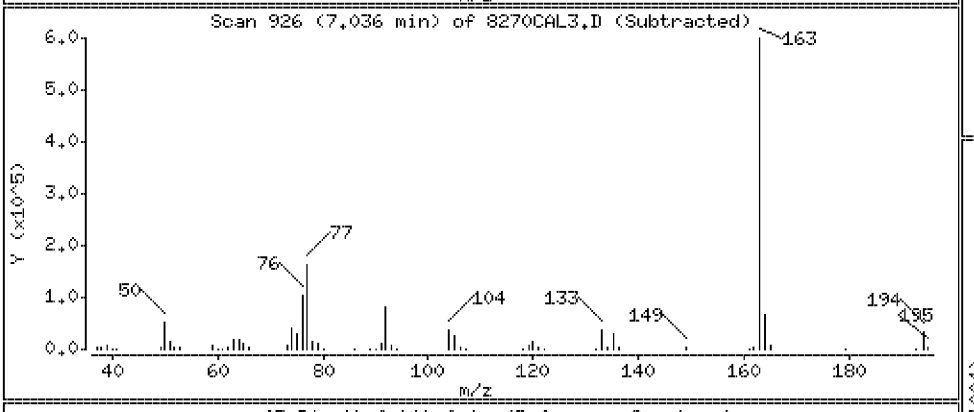
Column diameter: 0.25

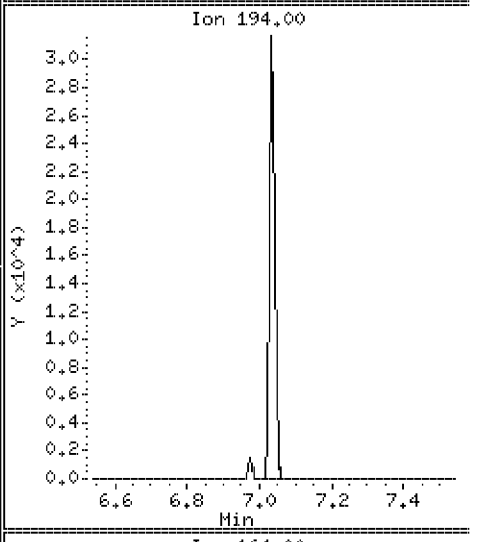
65 Dimethylphthalate

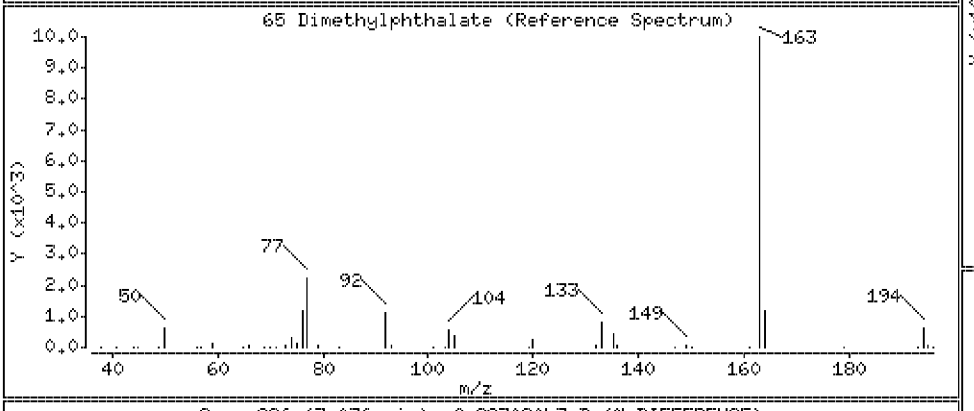
Concentration: 20.4 ug/l

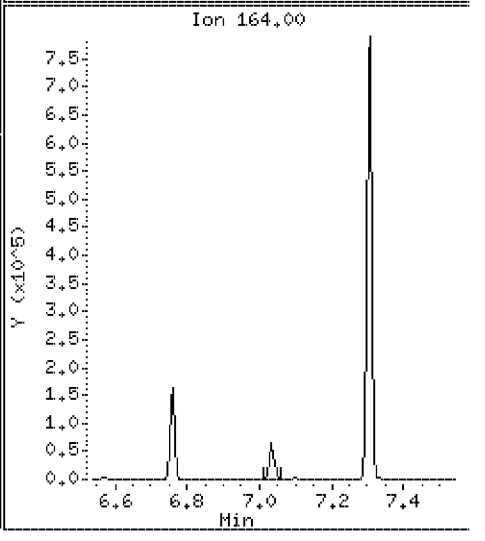


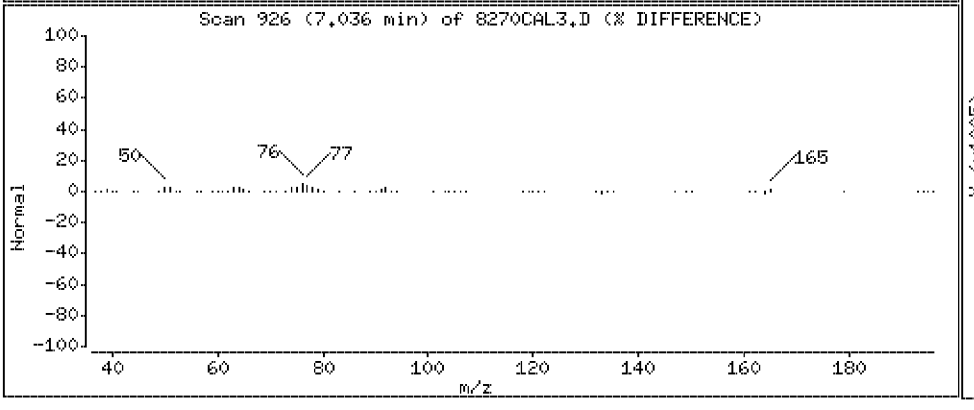












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

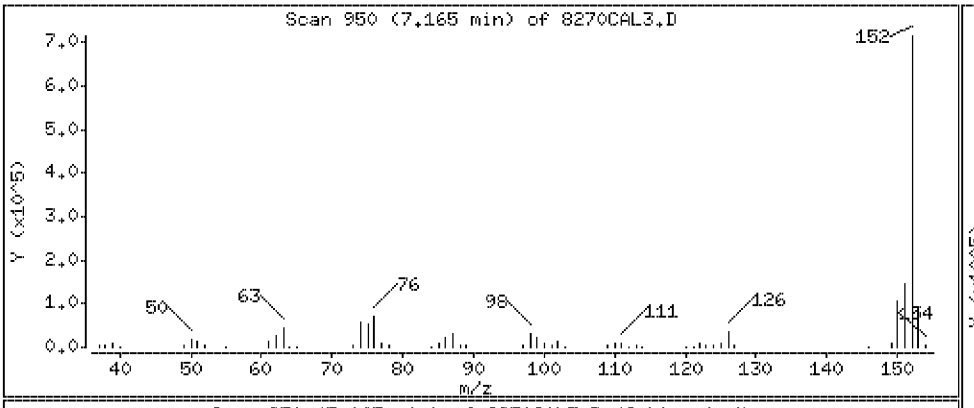
Operator: PEL

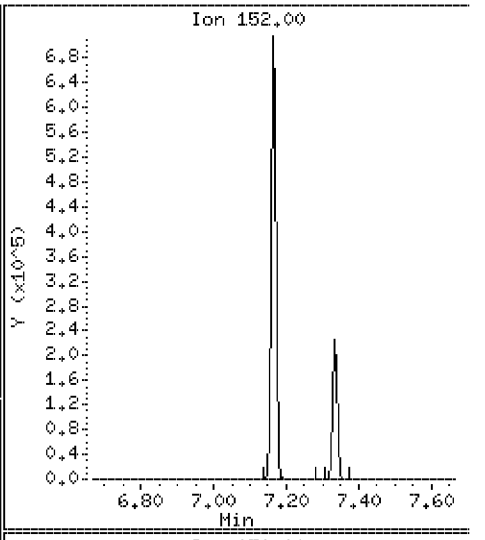
Column phase: HPMS-5

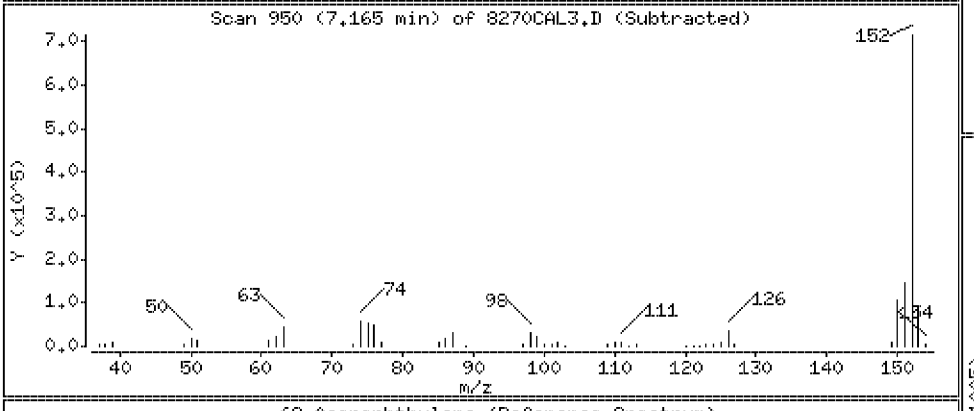
Column diameter: 0.25

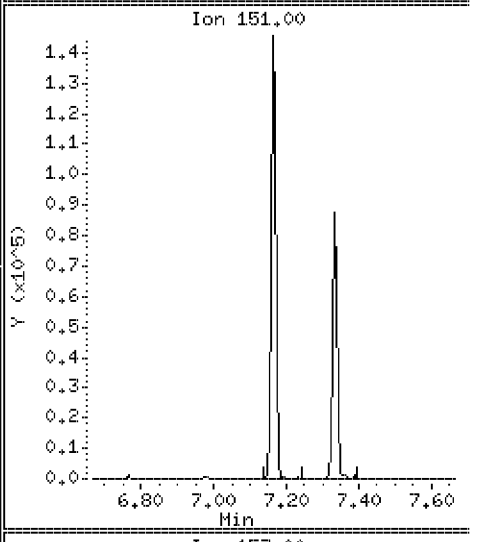
68 Acenaphthylene

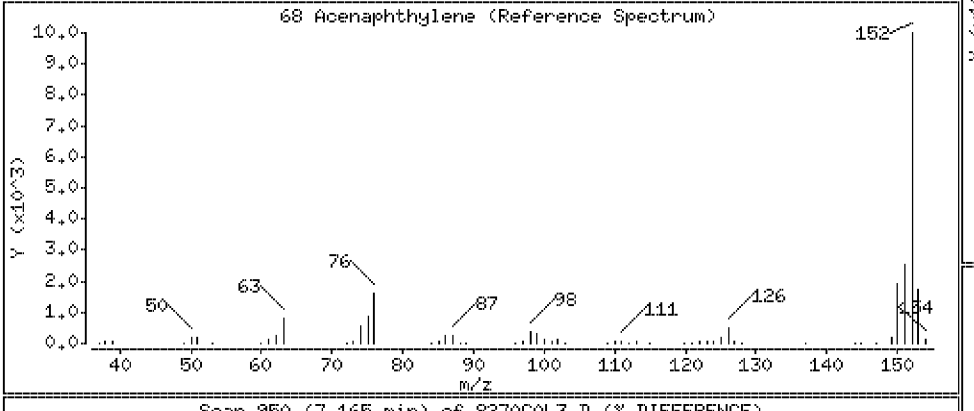
Concentration: 20.3 ug/l

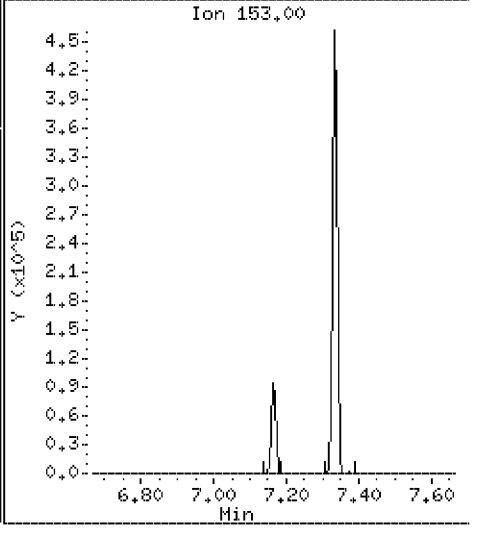


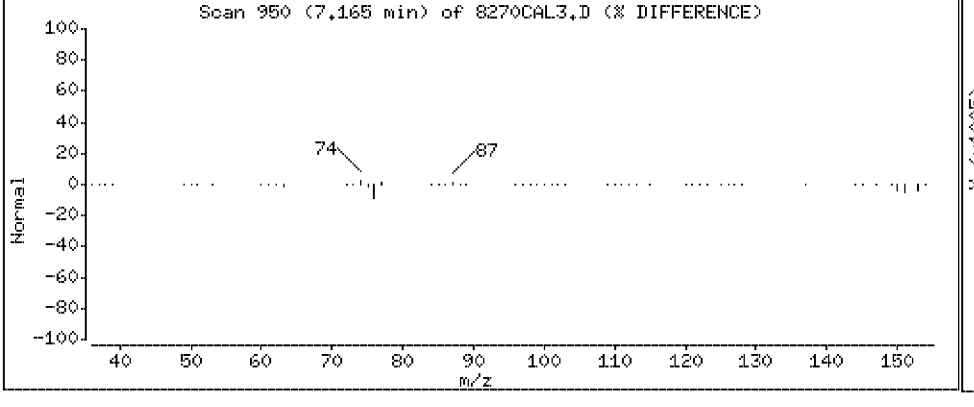












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

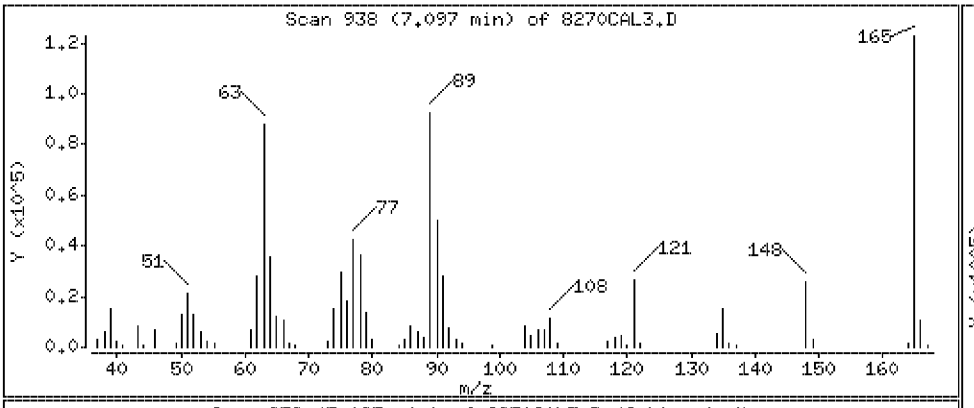
Operator: PEL

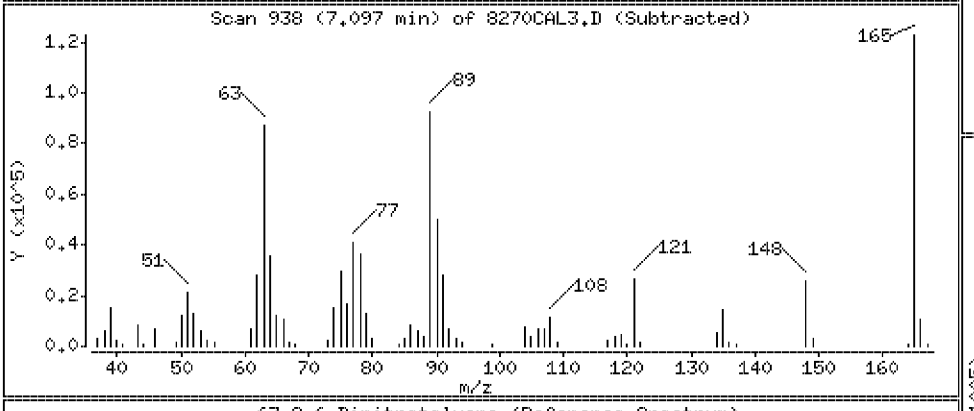
Column phase: HPMS-5

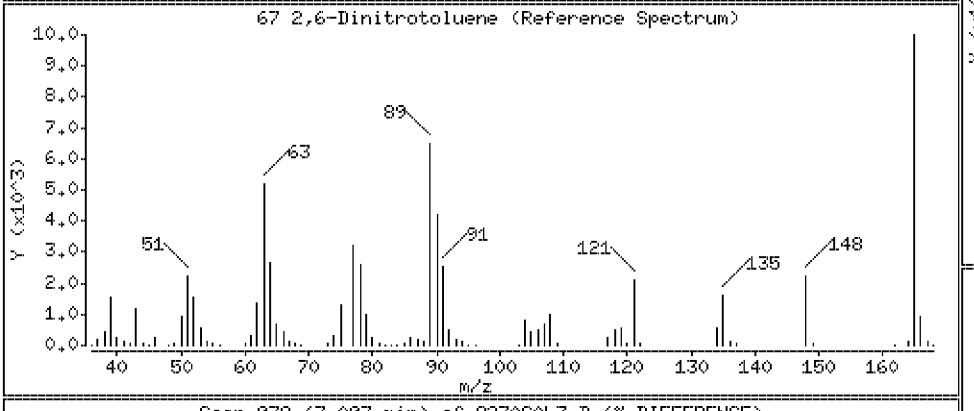
Column diameter: 0.25

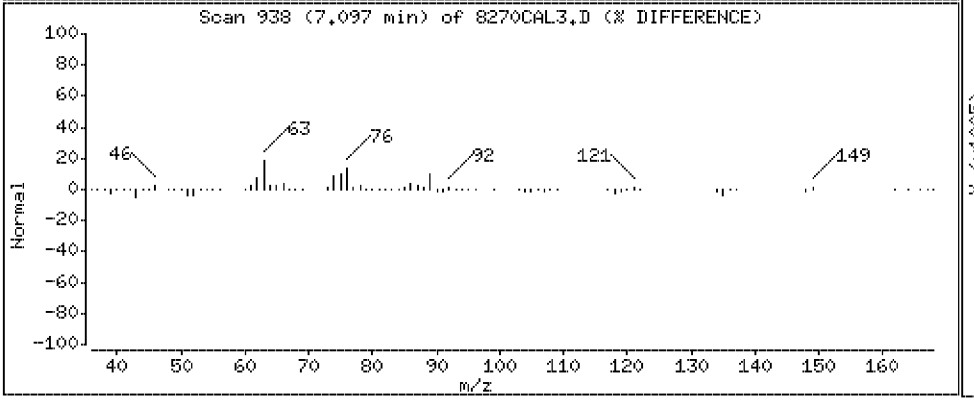
67 2,6-Dinitrotoluene

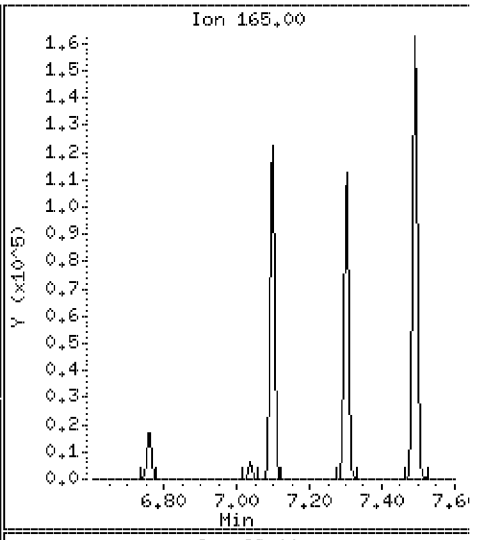
Concentration: 19.7 ug/l

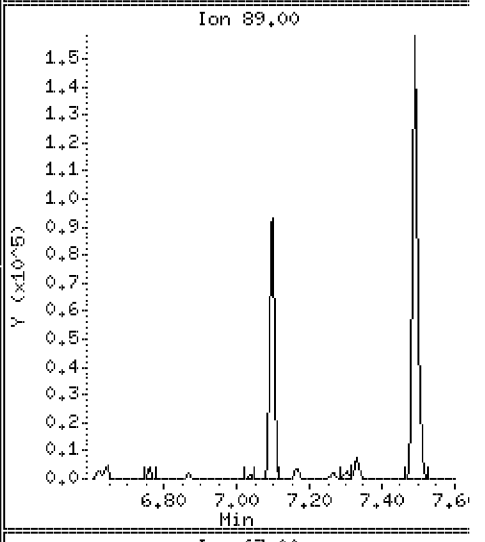


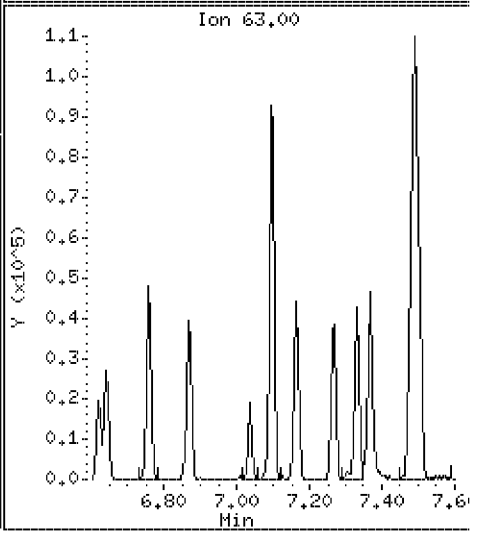












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

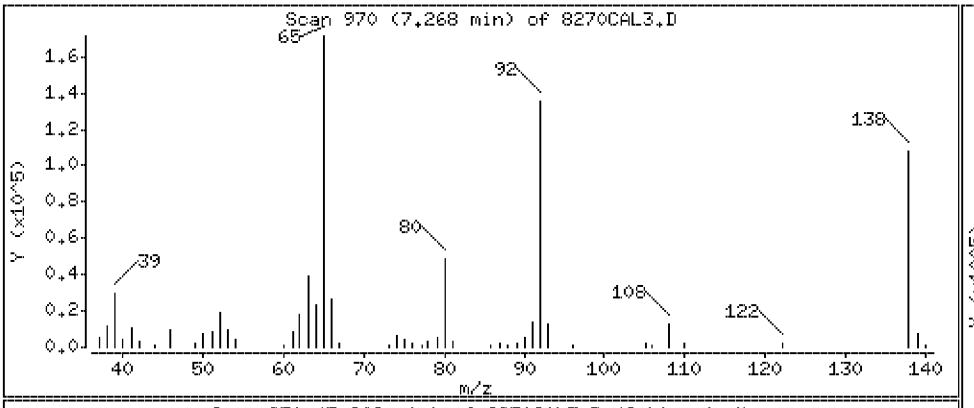
Operator: PEL

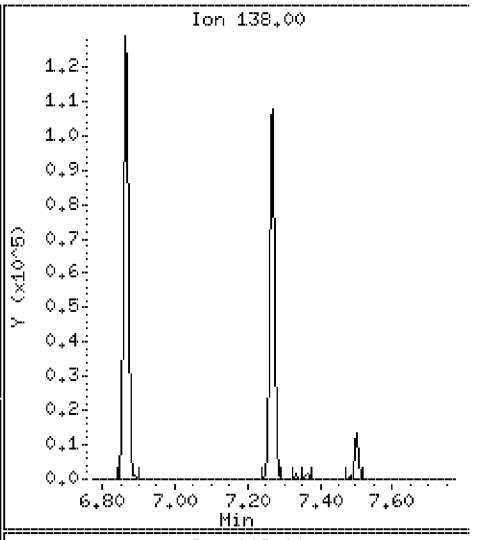
Column phase: HPMS-5

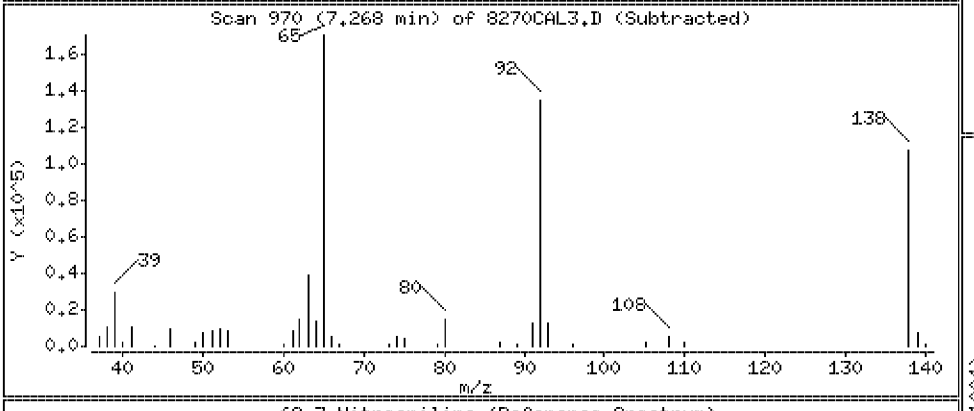
Column diameter: 0.25

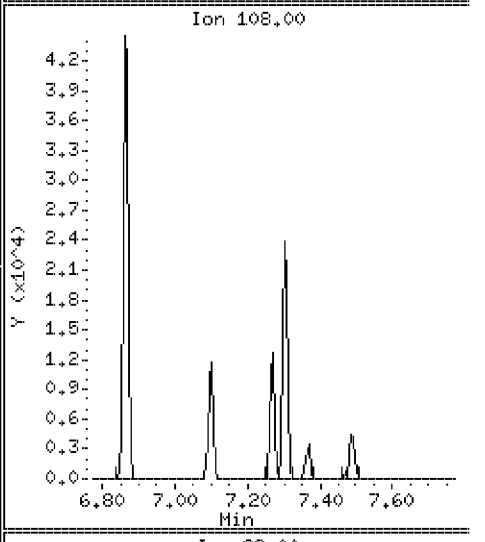
69 3-Nitroaniline

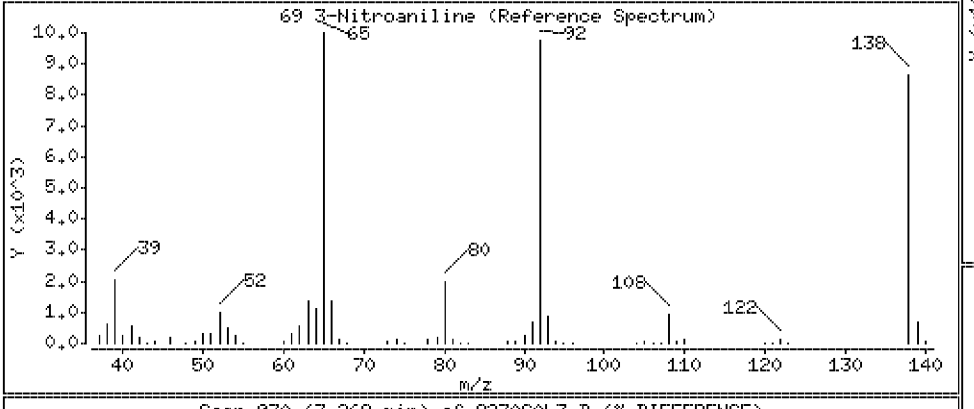
Concentration: 20.4 ug/l

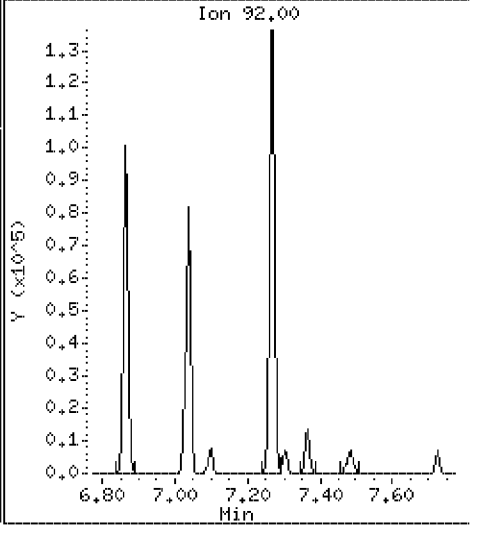


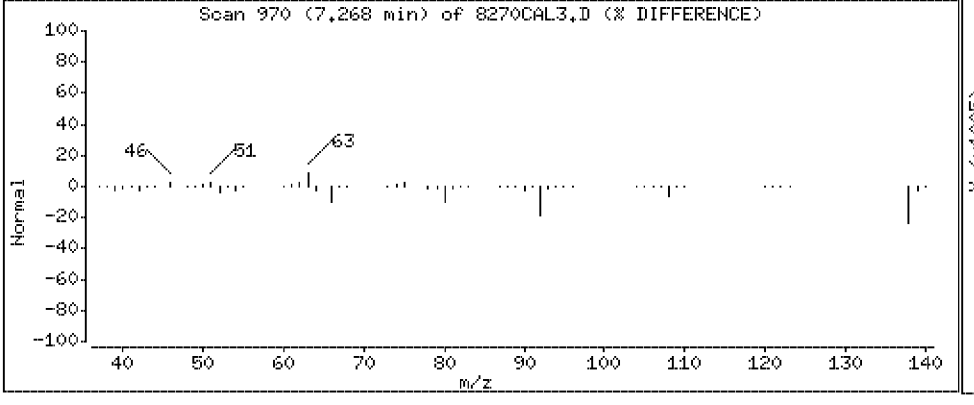












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

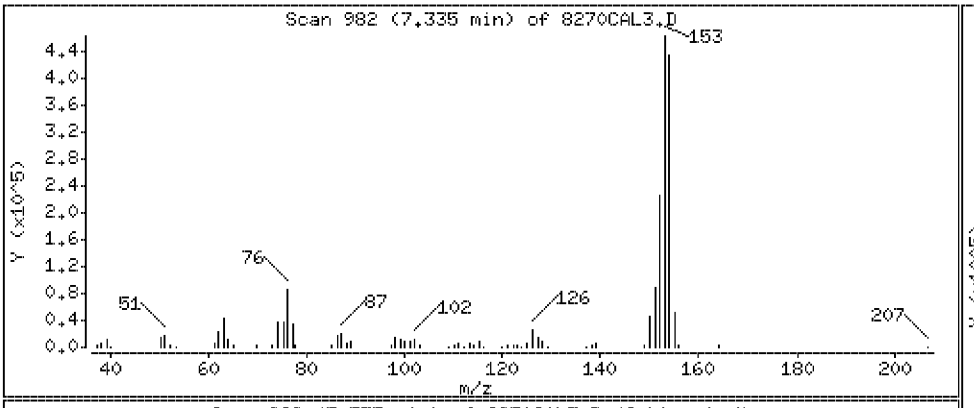
Operator: PEL

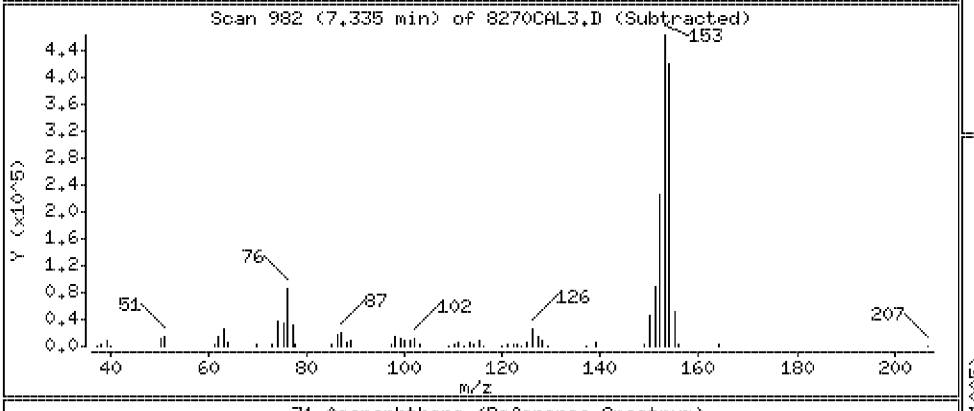
Column phase: HPMS-5

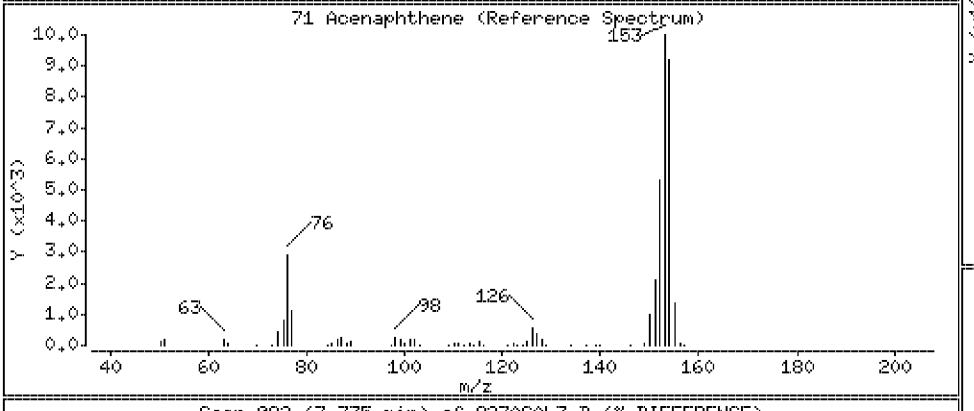
Column diameter: 0.25

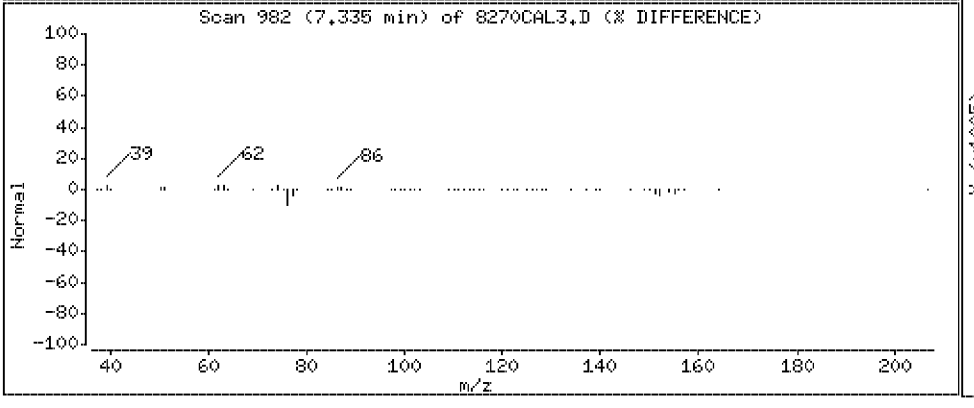
71 Acenaphthene

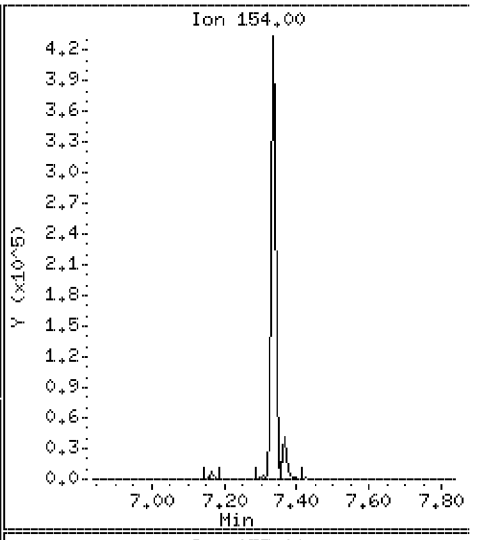
Concentration: 19.7 ug/l

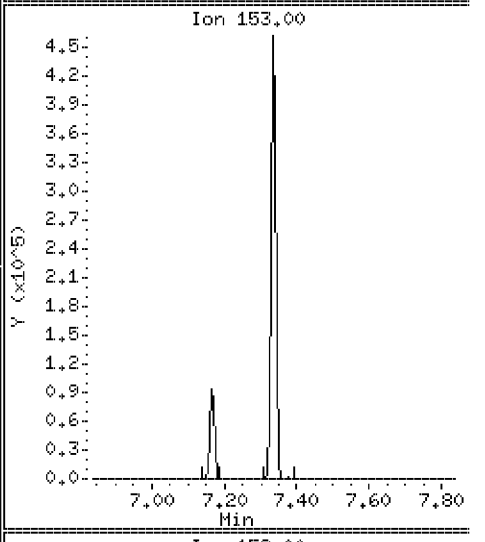


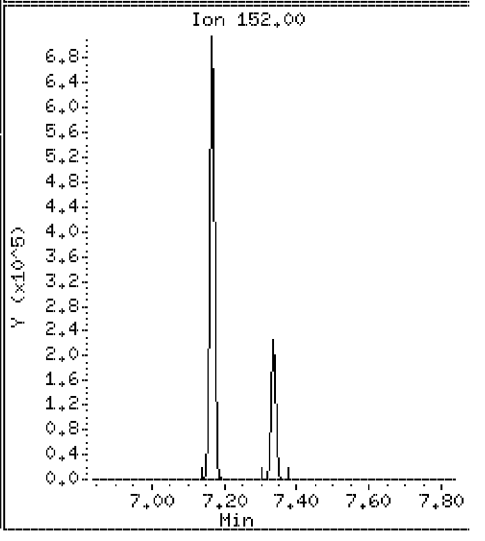












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

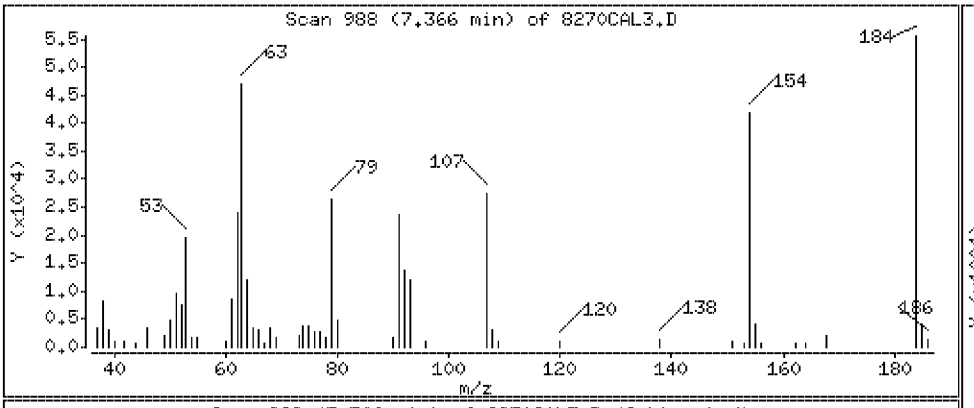
Operator: PEL

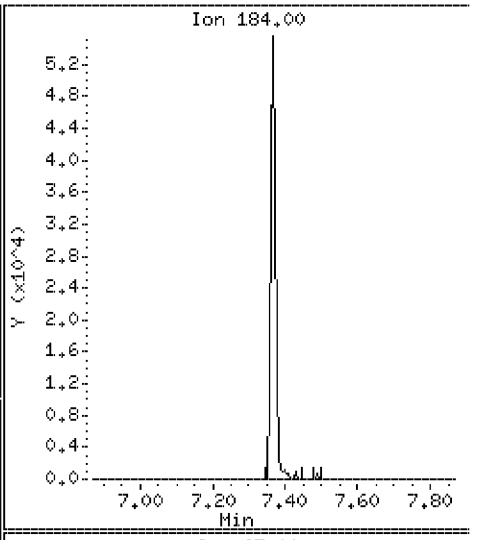
Column phase: HPMS-5

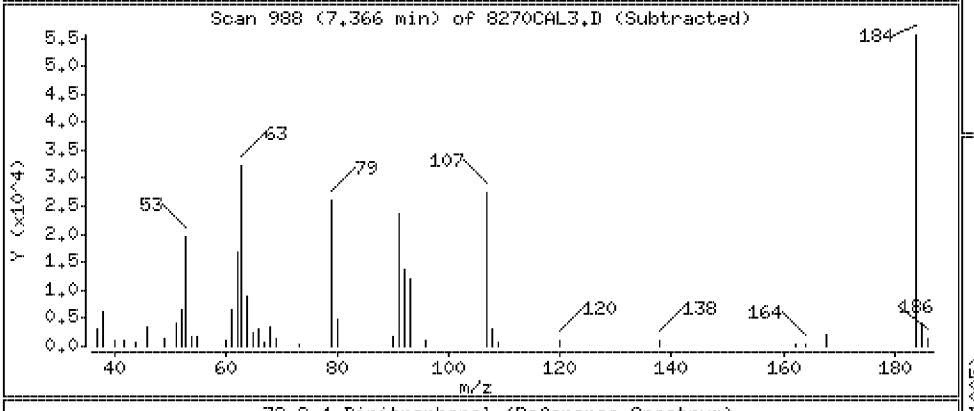
Column diameter: 0.25

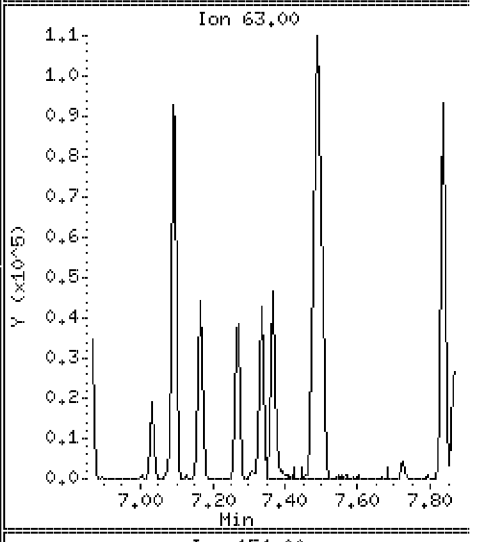
72 2,4-Dinitrophenol

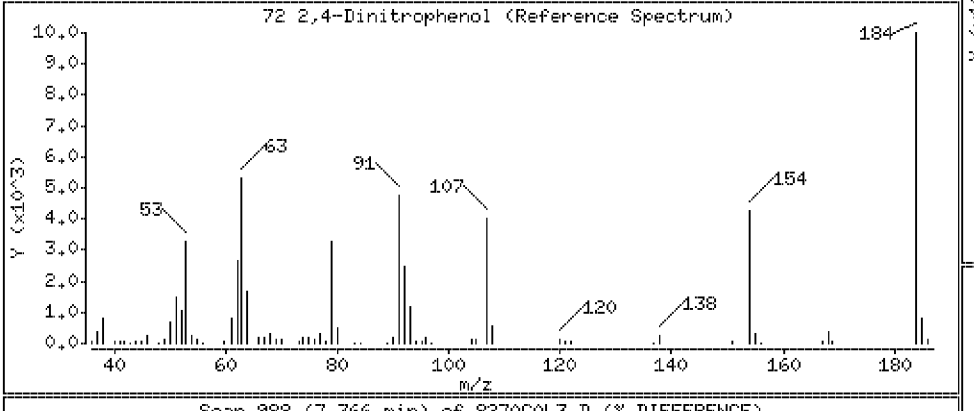
Concentration: 19.1 ug/l

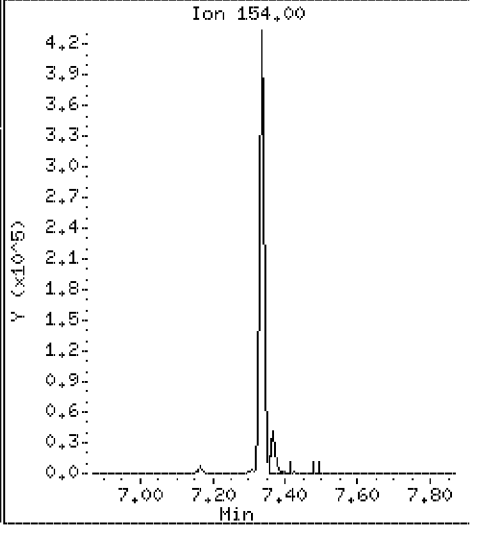


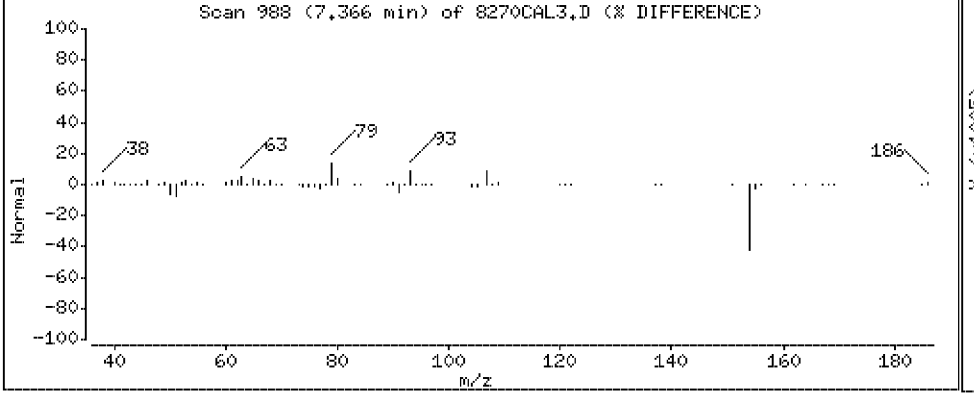












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

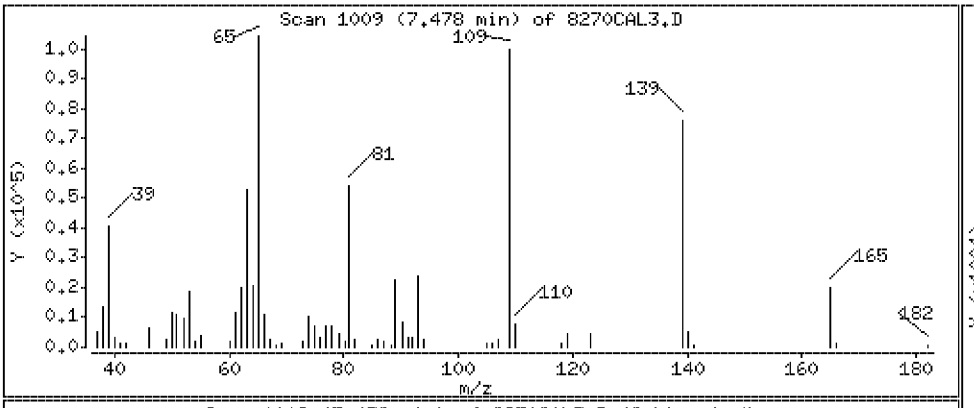
Operator: PEL

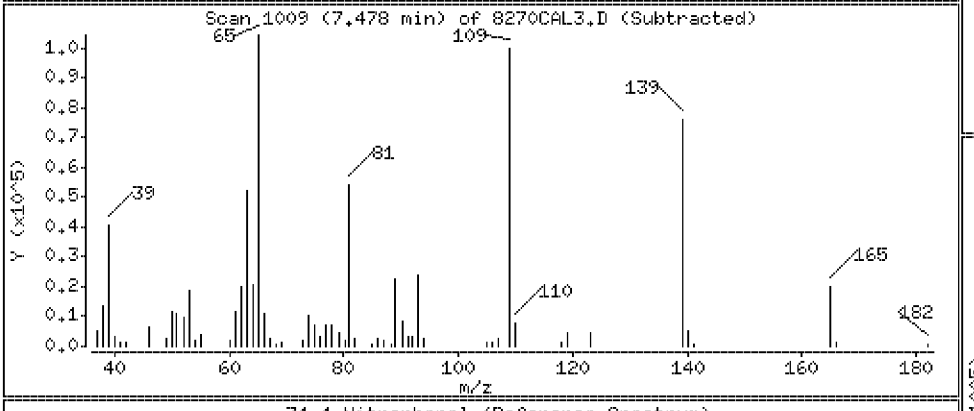
Column phase: HPMS-5

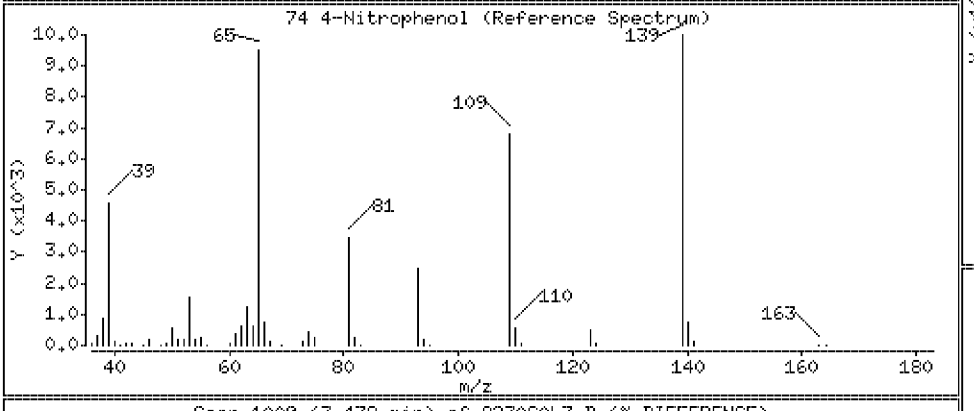
Column diameter: 0.25

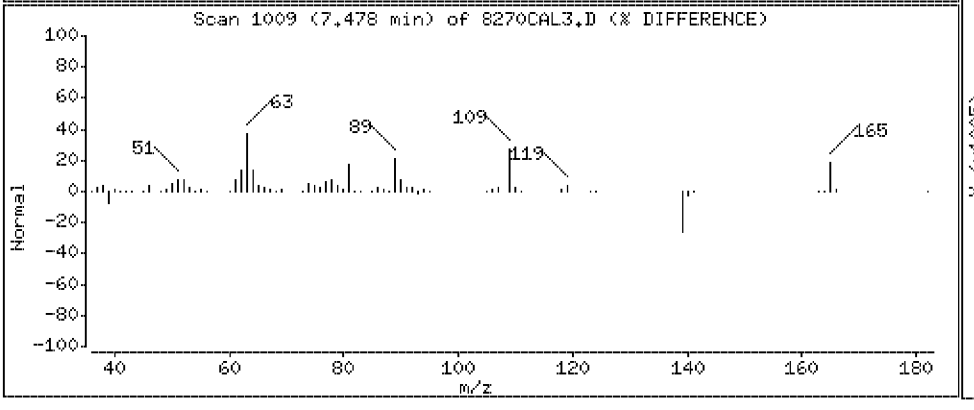
74 4-Nitrophenol

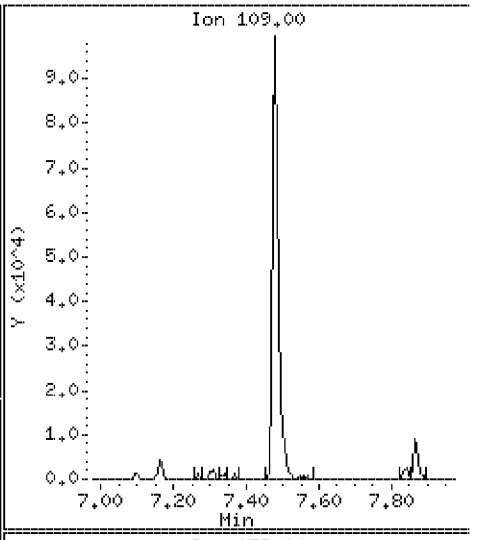
Concentration: 20.7 ug/l

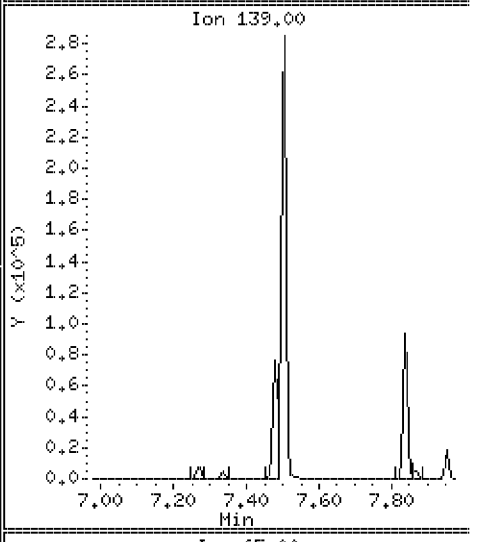


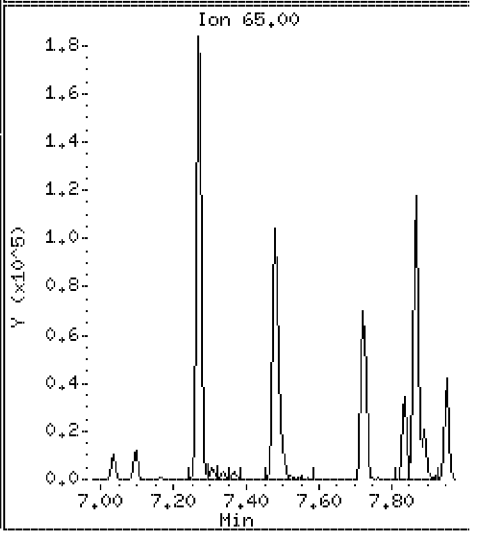












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

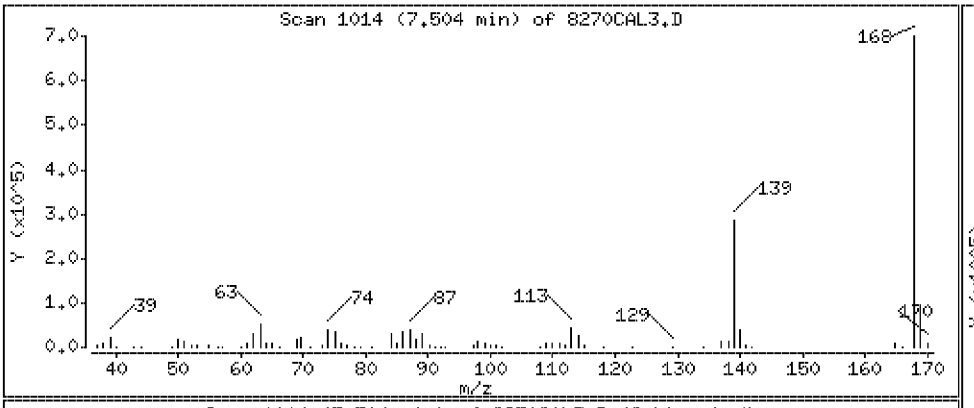
Operator: PEL

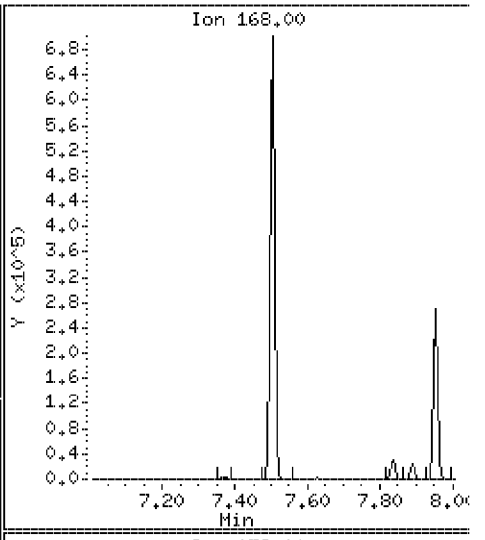
Column phase: HPMS-5

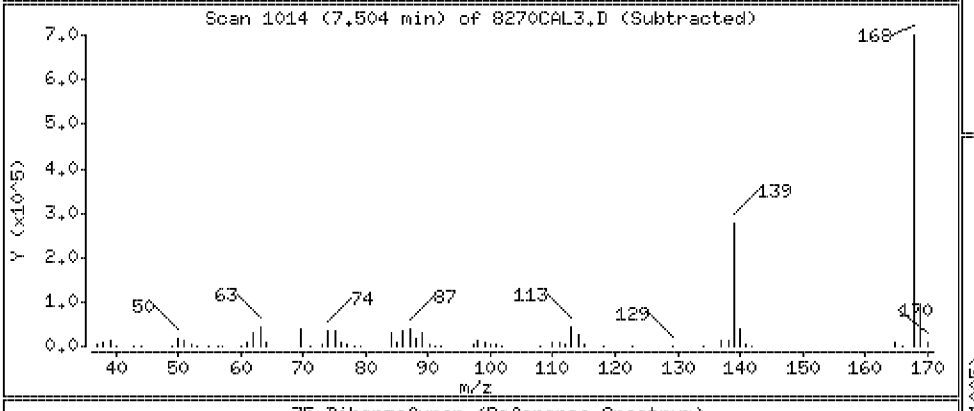
Column diameter: 0.25

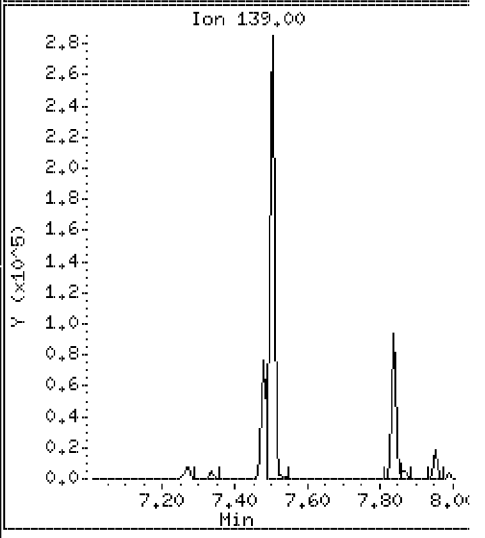
75 Dibenzofuran

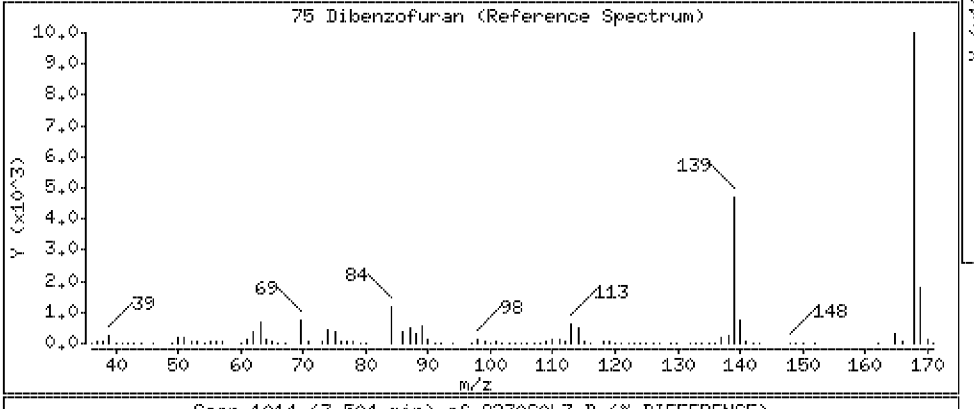
Concentration: 19.7 ug/l

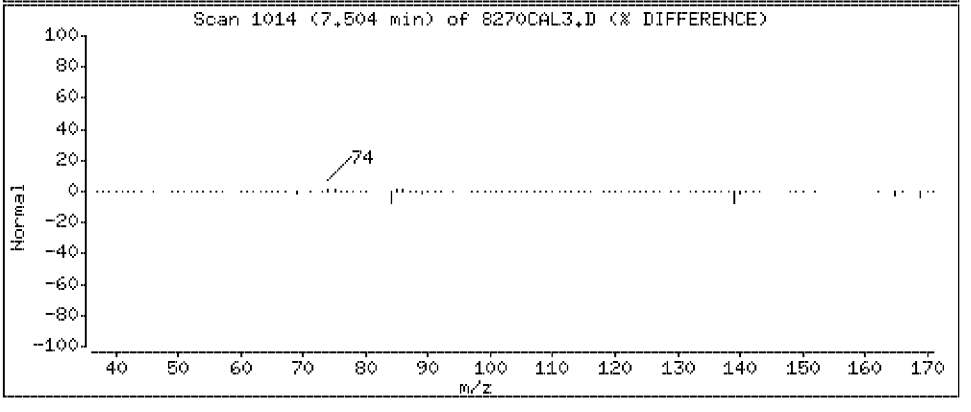












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

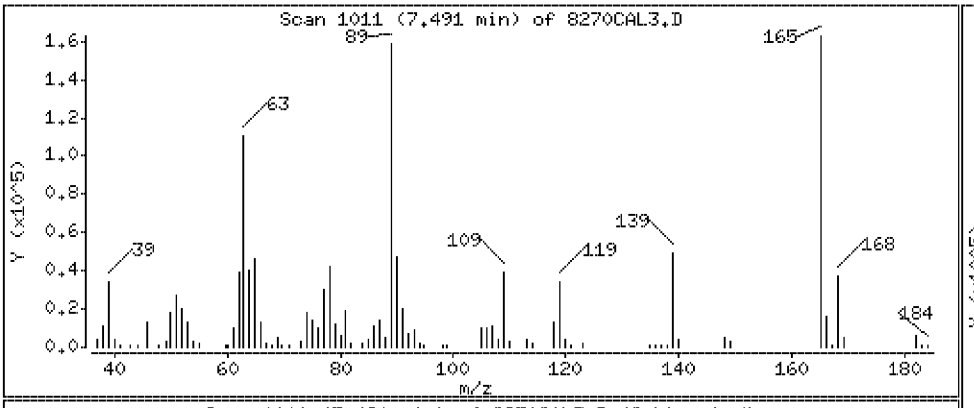
Operator: PEL

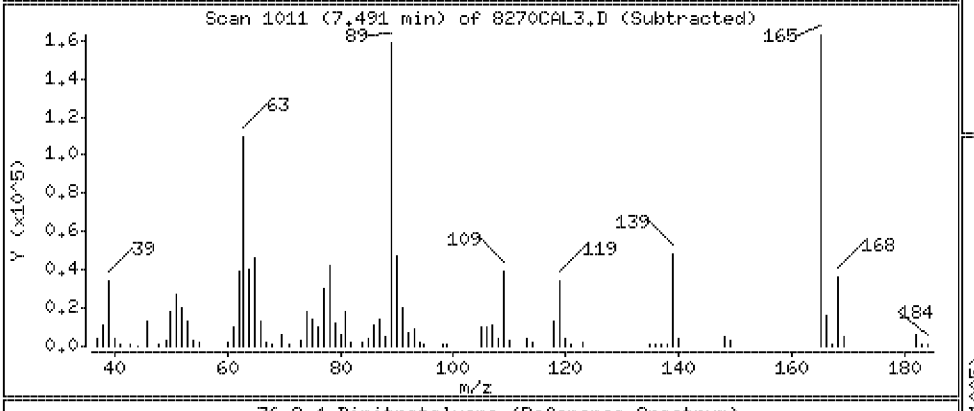
Column phase: HPMS-5

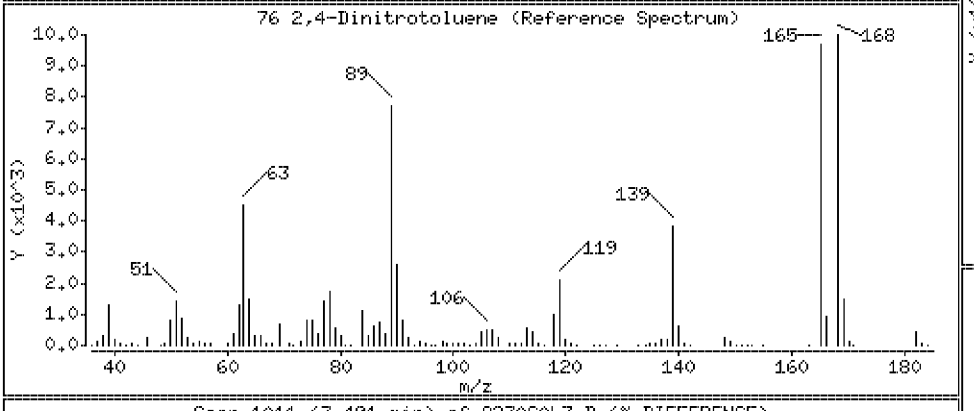
Column diameter: 0.25

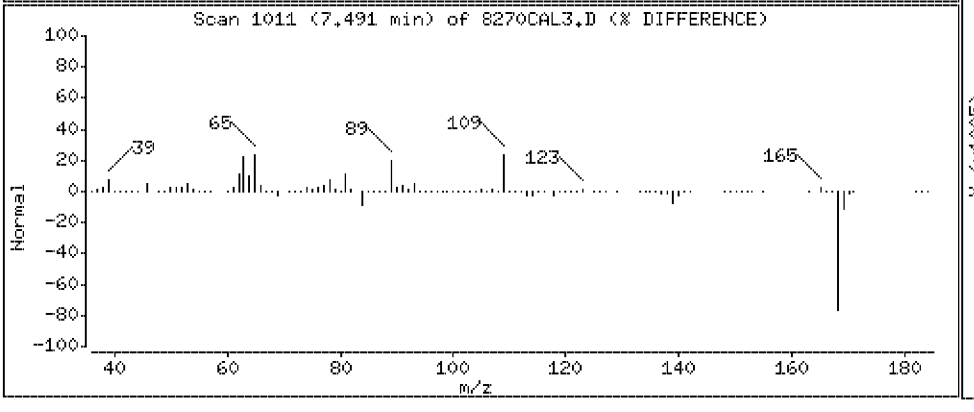
76 2,4-Dinitrotoluene

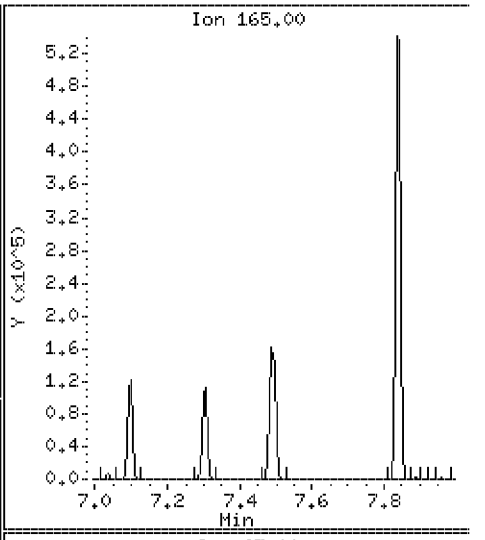
Concentration: 19.3 ug/l

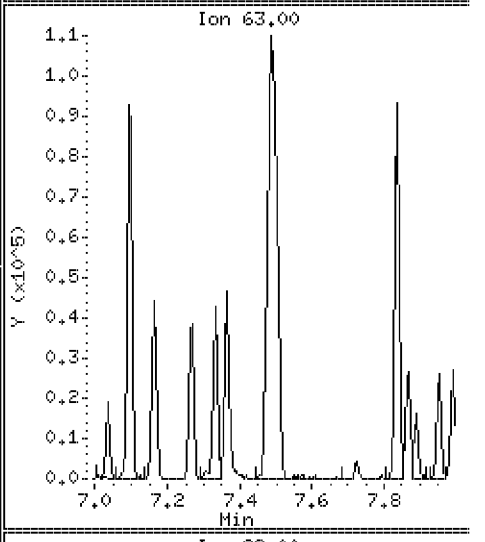


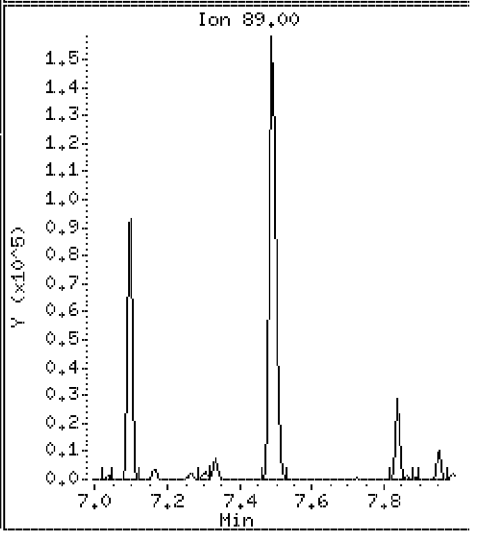












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

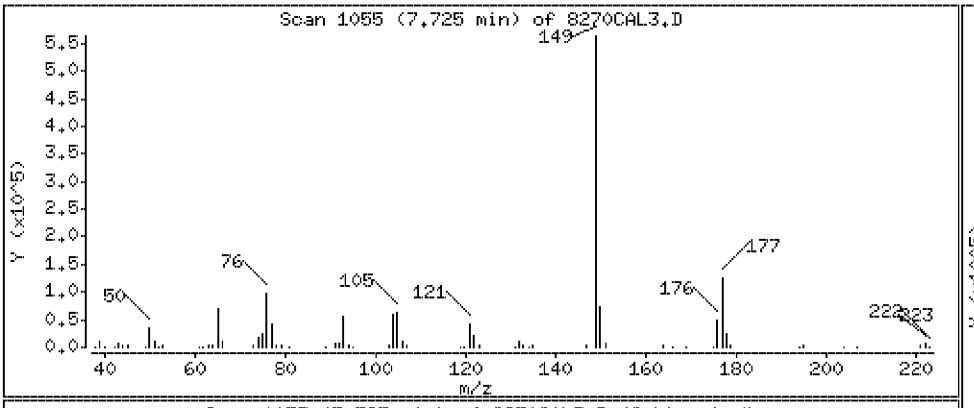
Operator: PEL

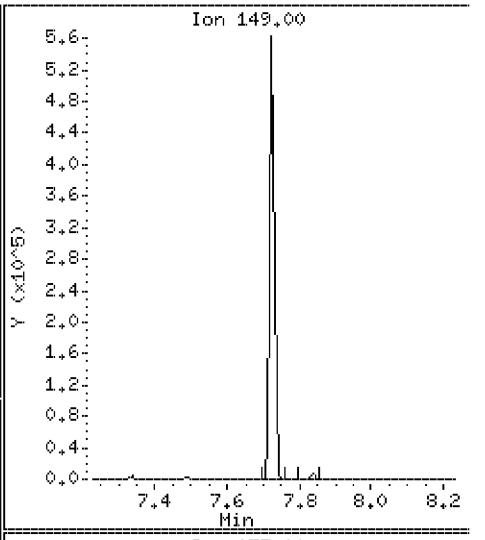
Column phase: HPMS-5

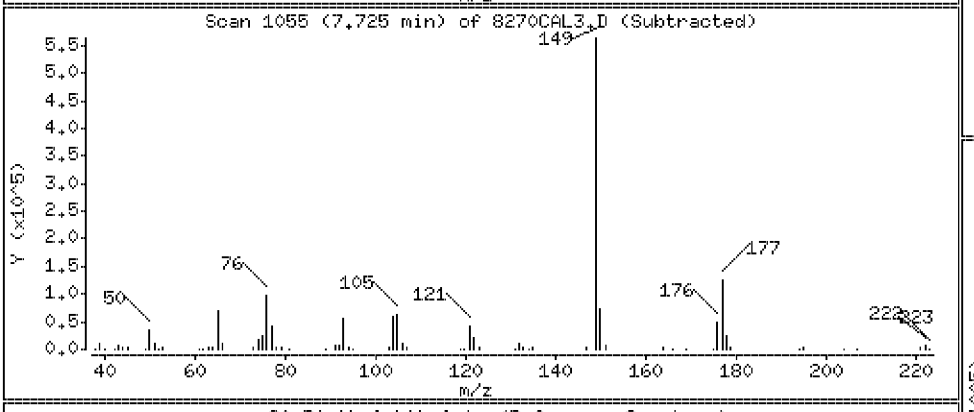
Column diameter: 0.25

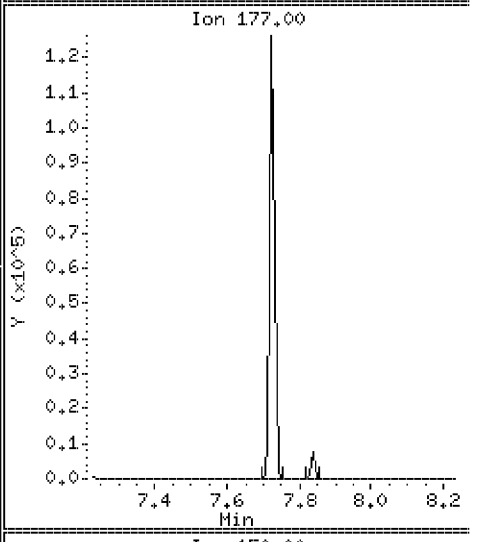
80 Diethylphthalate

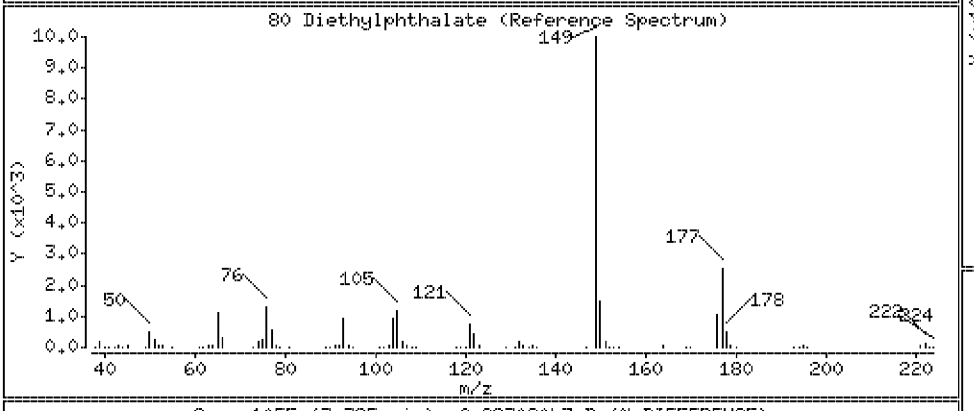
Concentration: 19.7 ug/l

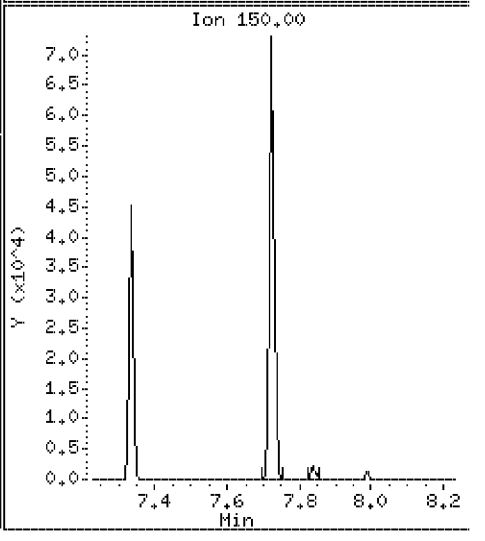


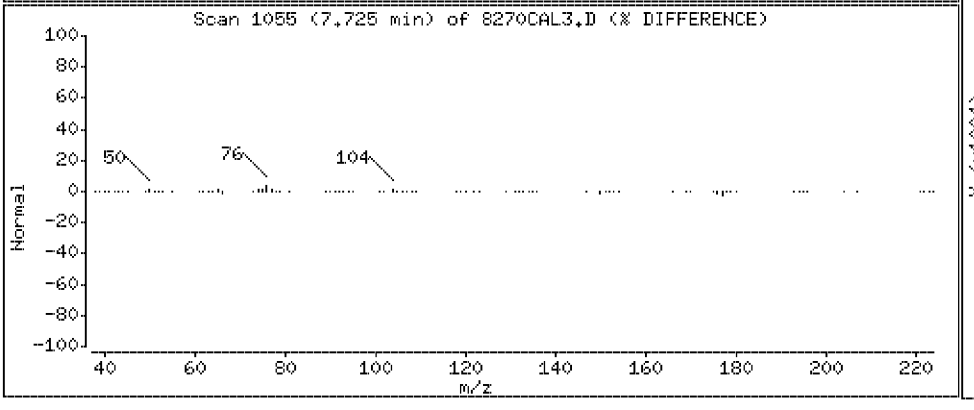












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

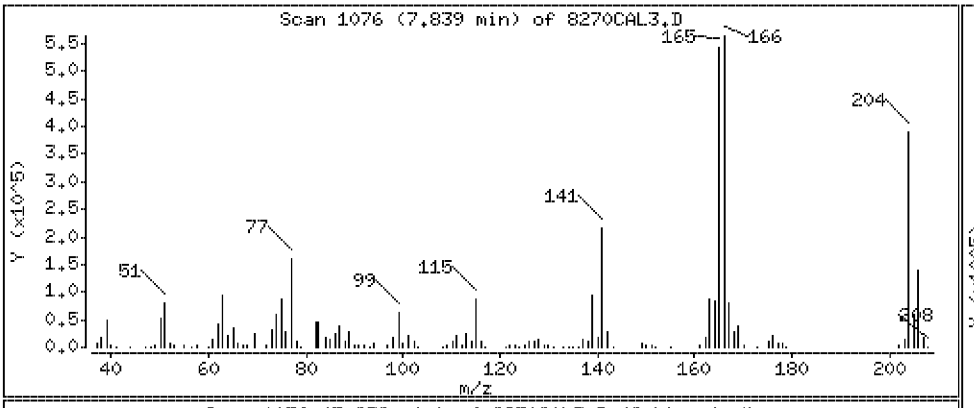
Operator: PEL

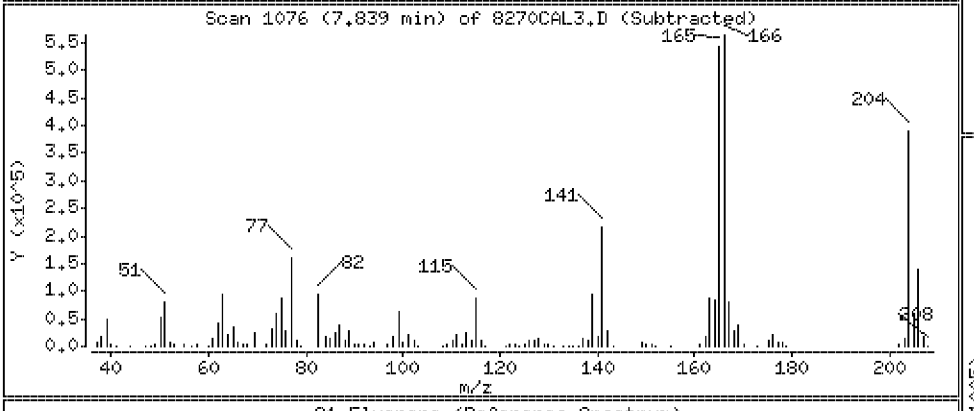
Column phase: HPMS-5

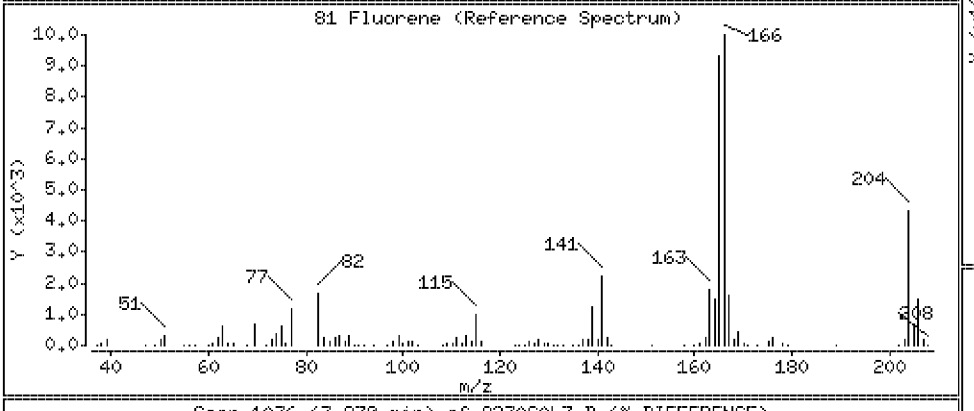
Column diameter: 0.25

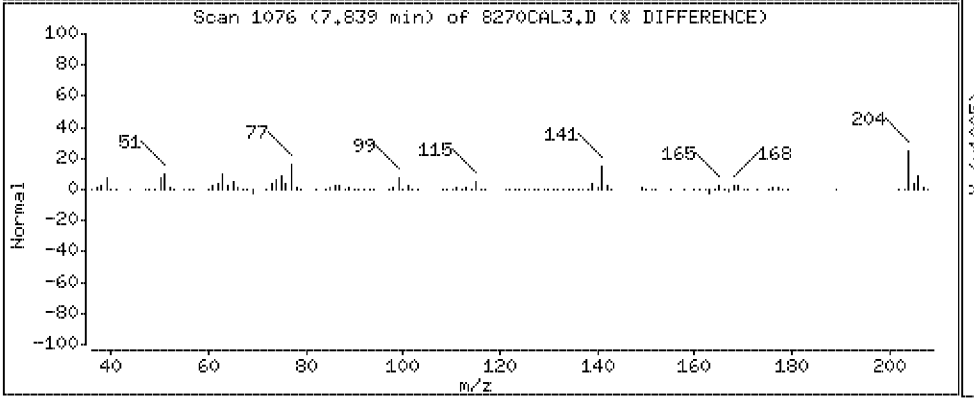
81 Fluorene

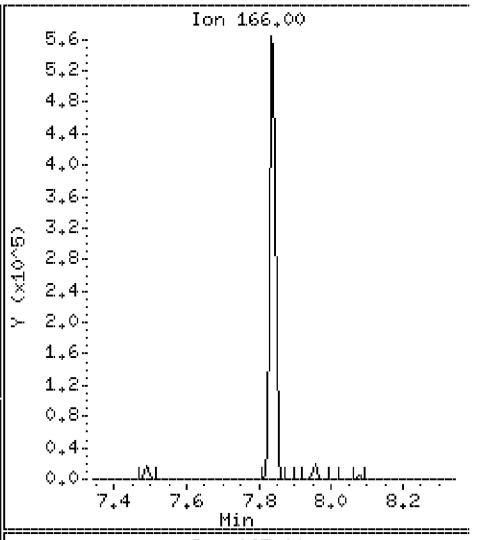
Concentration: 19.0 ug/l

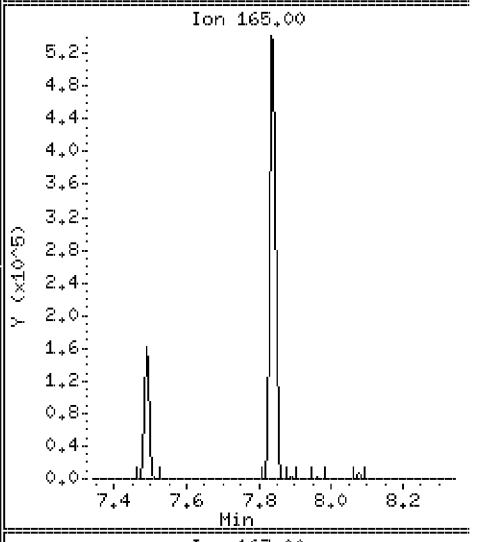


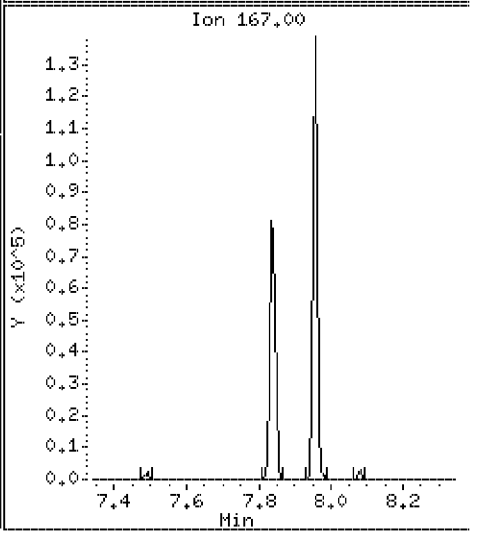












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

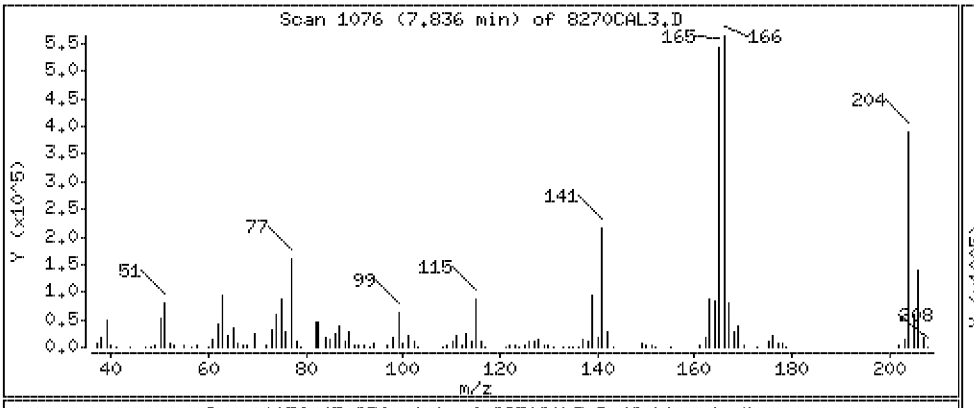
Operator: PEL

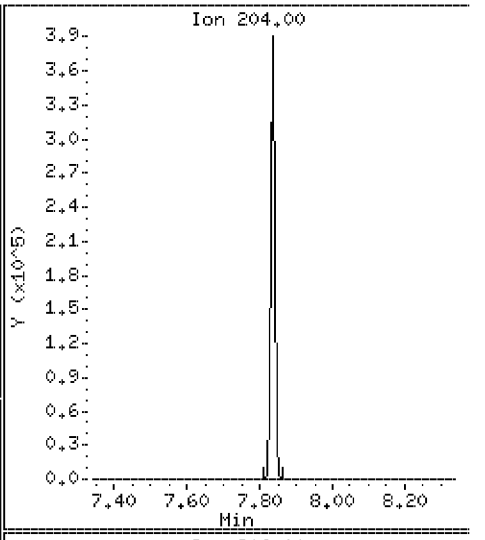
Column phase: HPMS-5

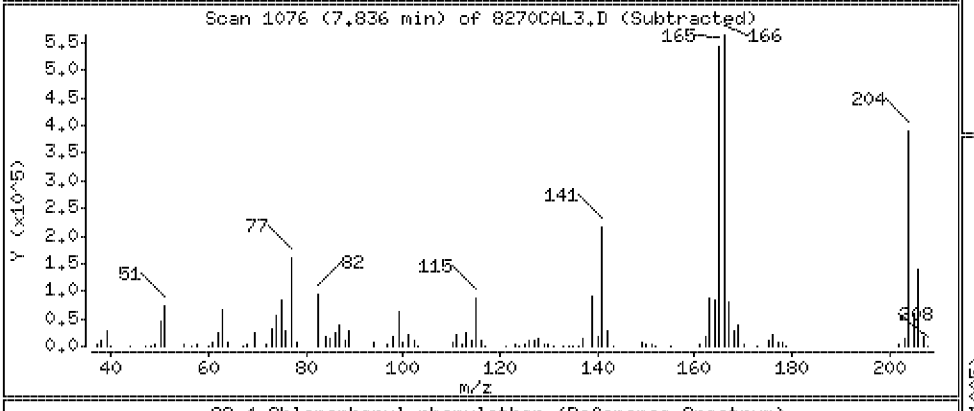
Column diameter: 0.25

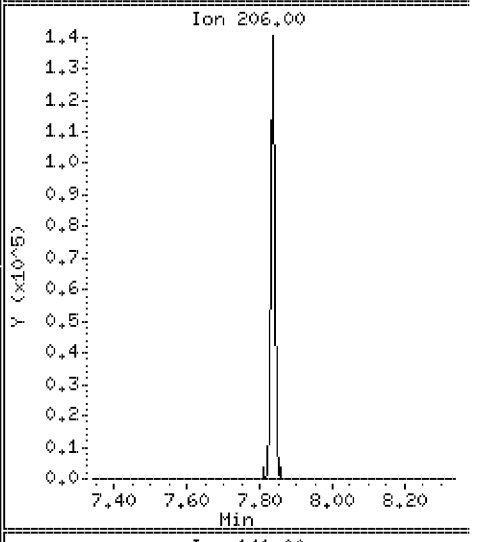
82 4-Chlorophenyl-phenylether

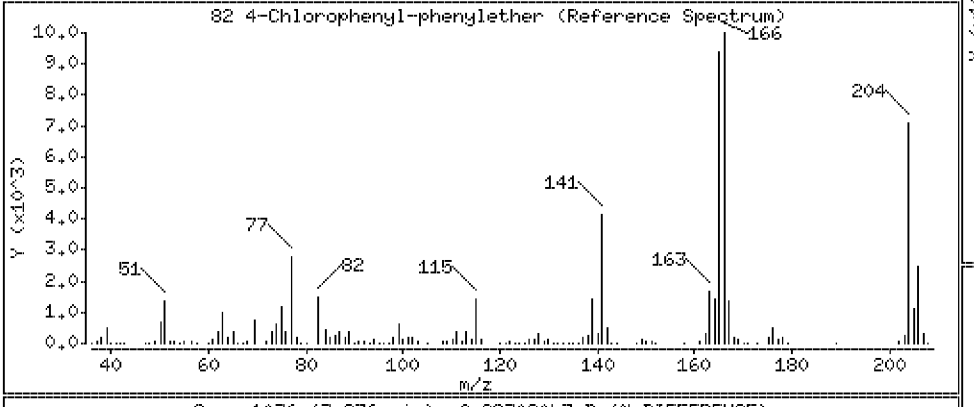
Concentration: 18.5 ug/l

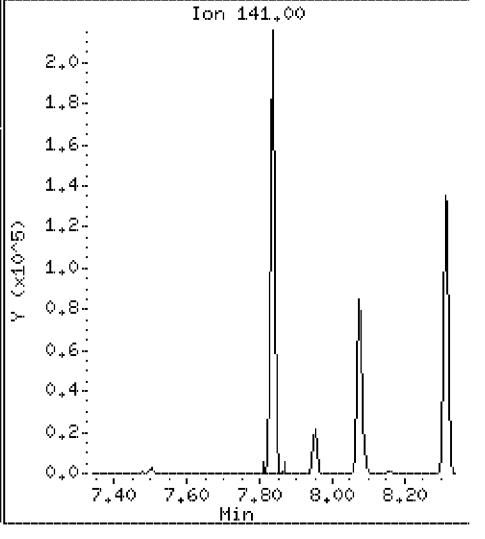


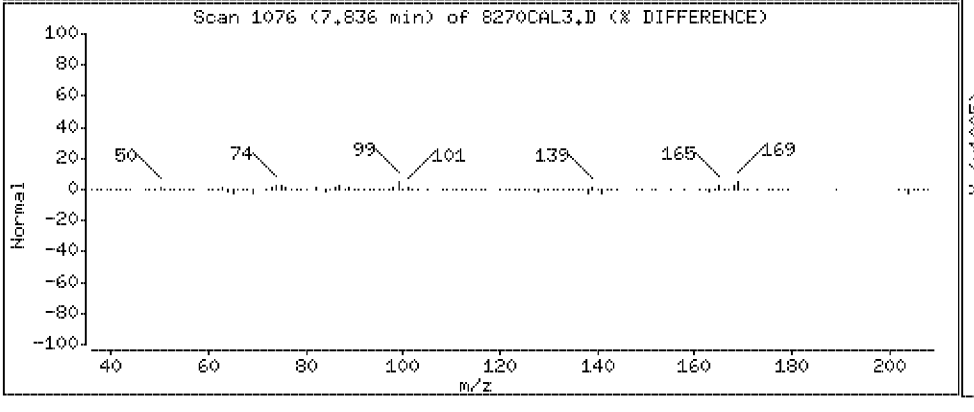












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

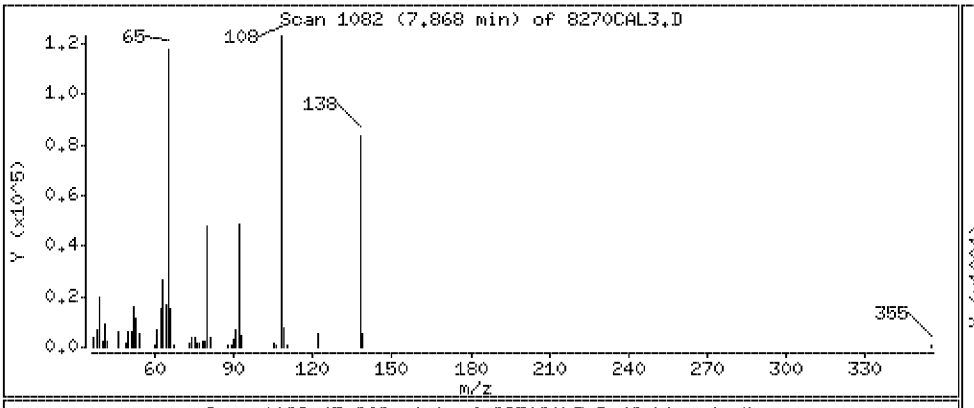
Operator: PEL

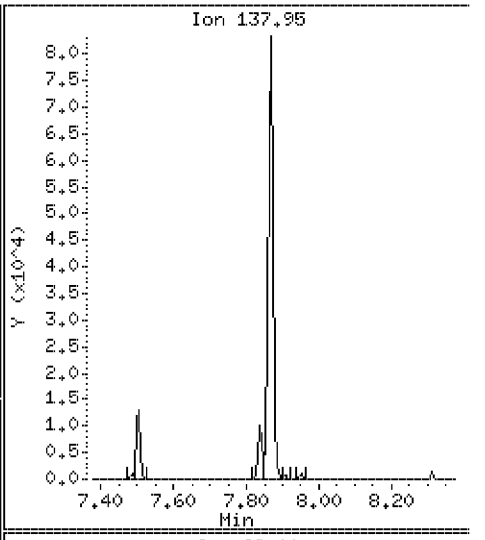
Column phase: HPMS-5

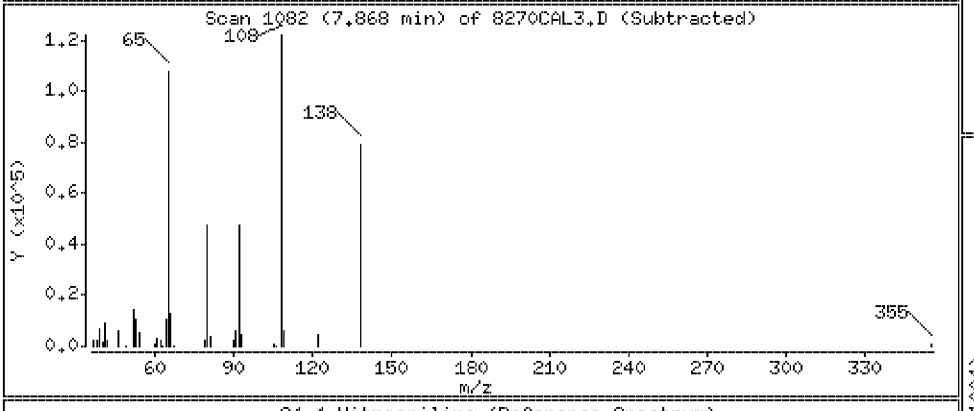
Column diameter: 0.25

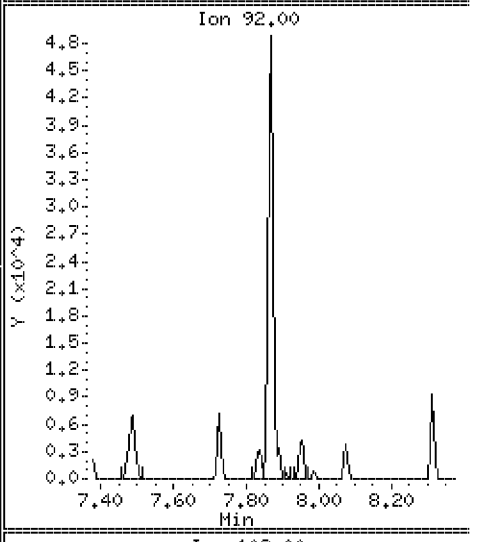
84 4-Nitroaniline

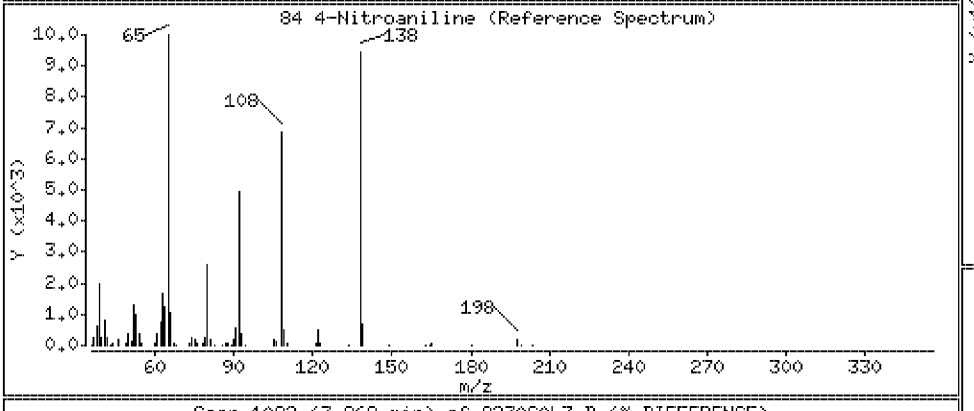
Concentration: 18.4 ug/l

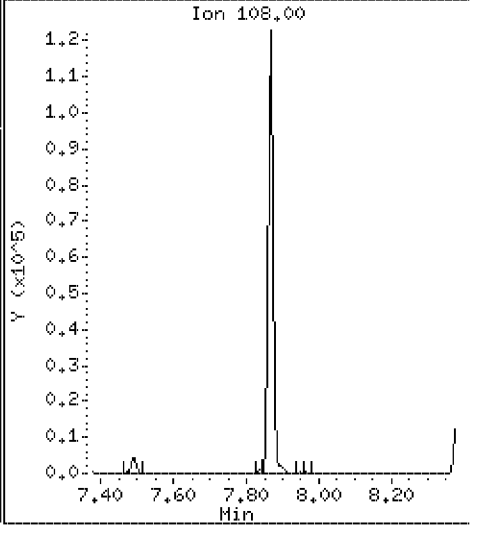


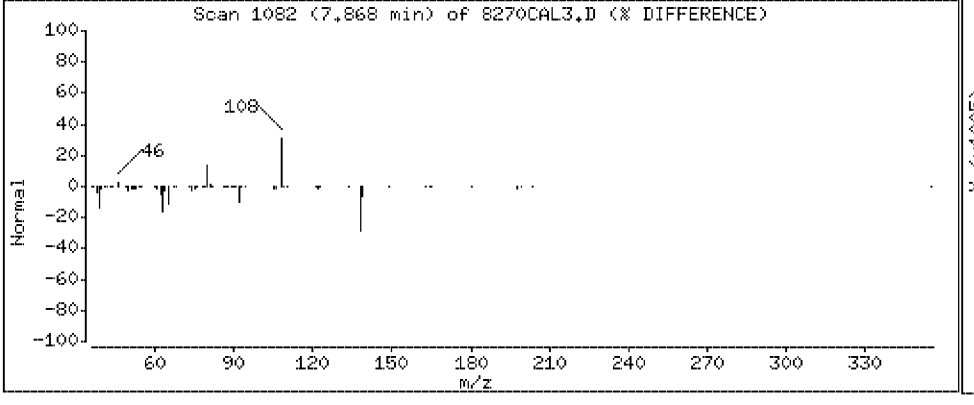












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

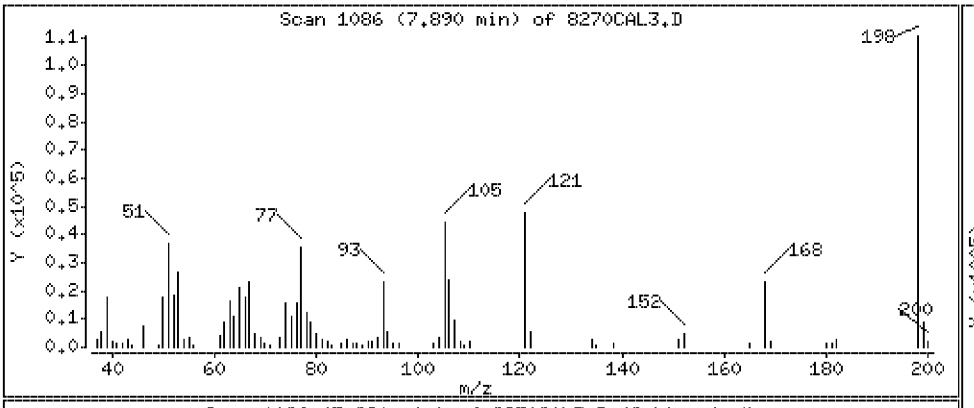
Operator: PEL

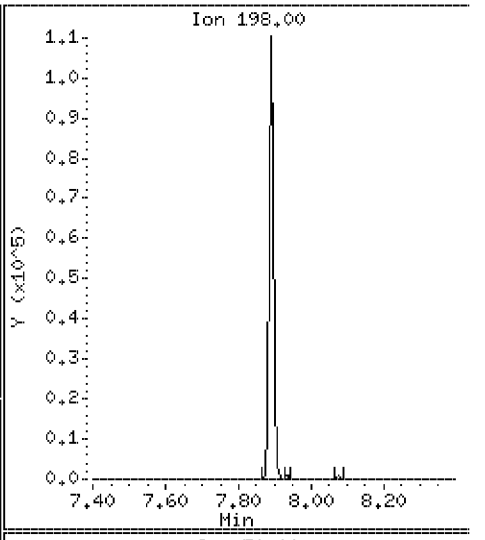
Column phase: HPMS-5

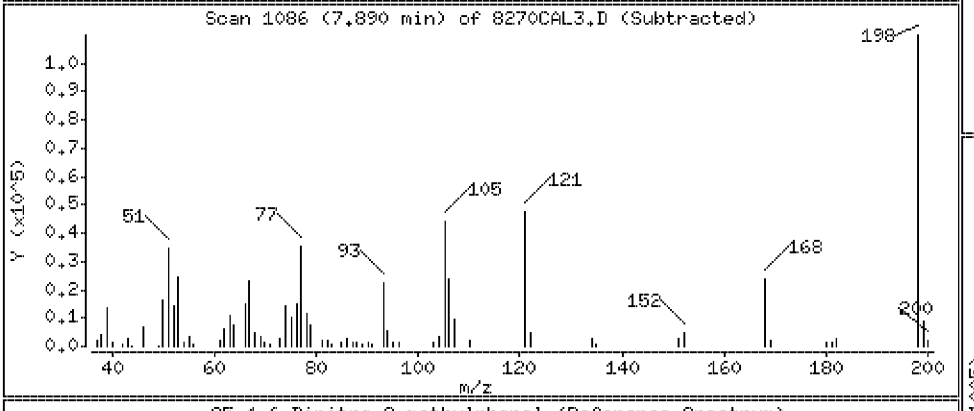
Column diameter: 0.25

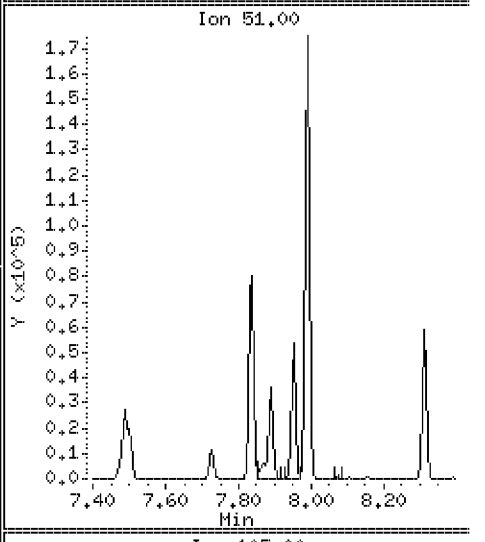
85 4,6-Dinitro-2-methylphenol

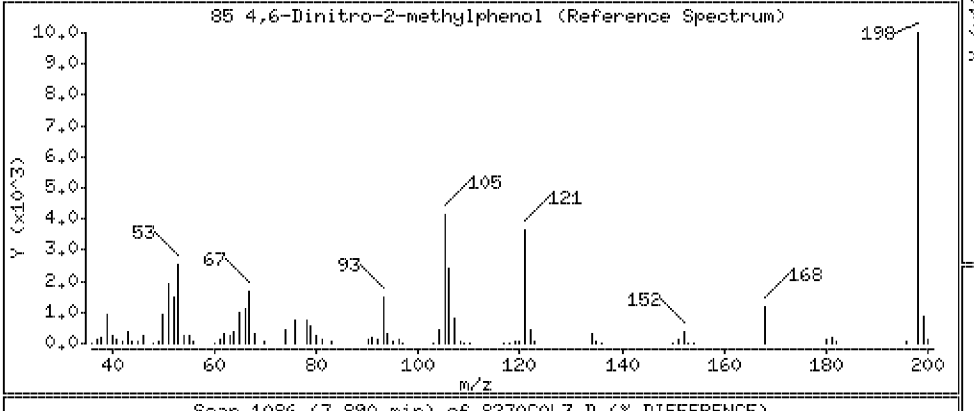
Concentration: 18.8 ug/l

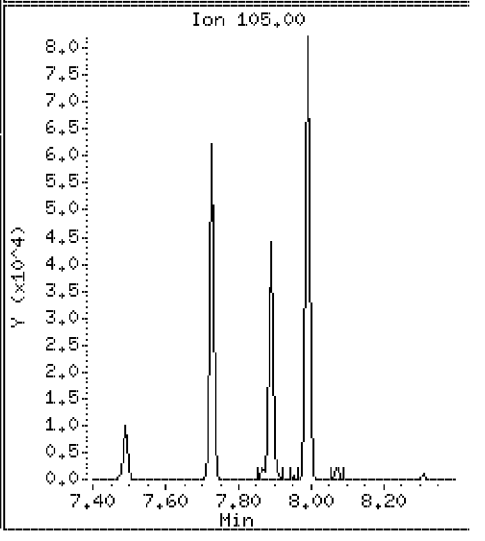


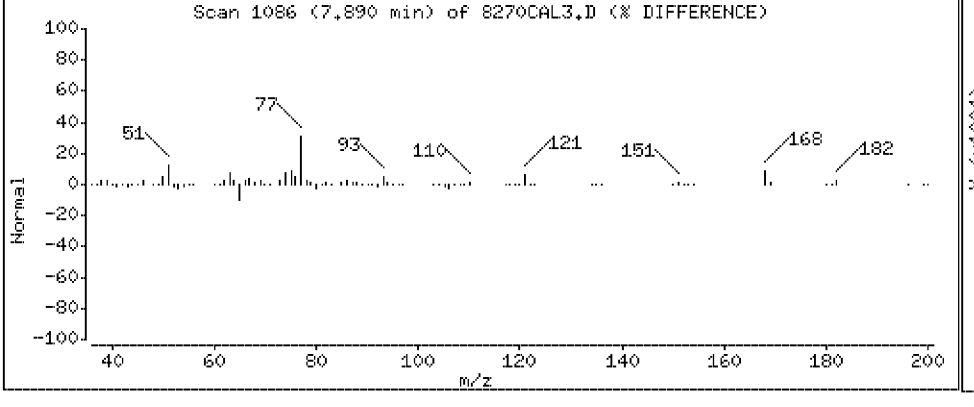












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

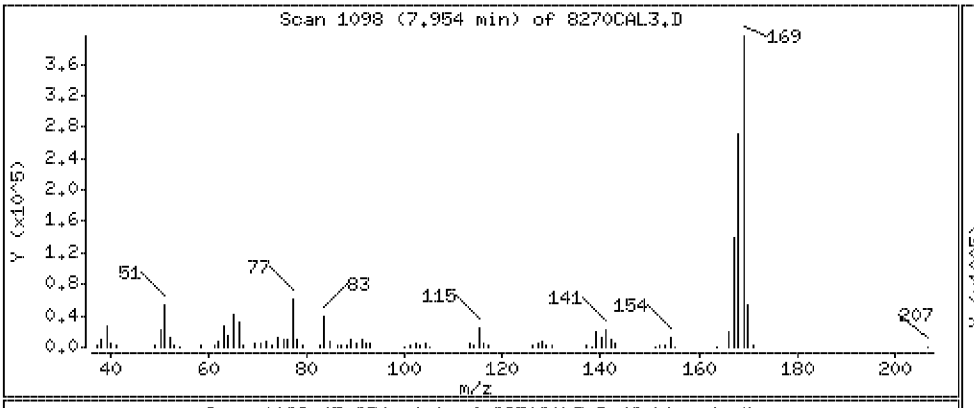
Operator: PEL

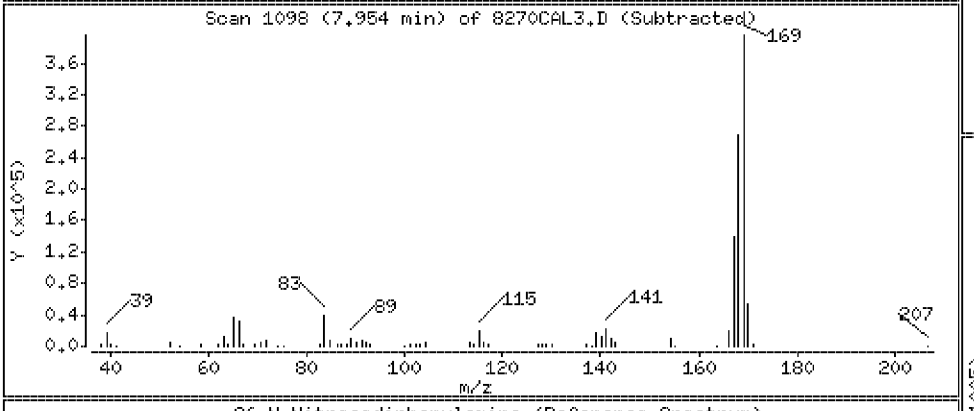
Column phase: HPMS-5

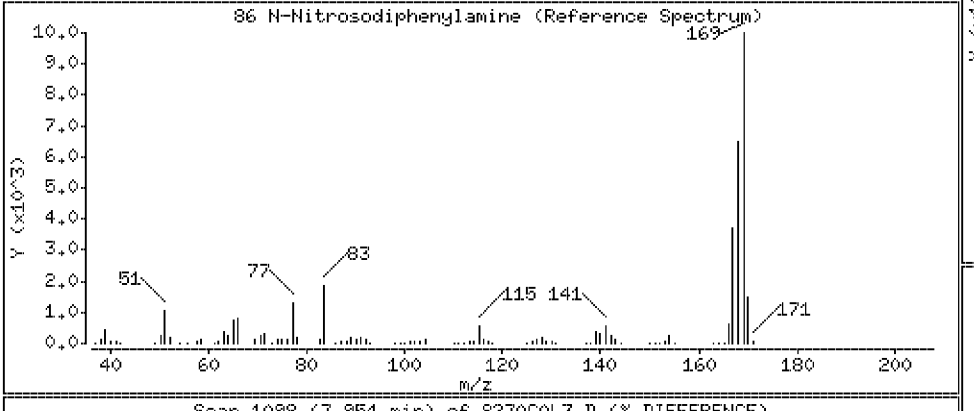
Column diameter: 0.25

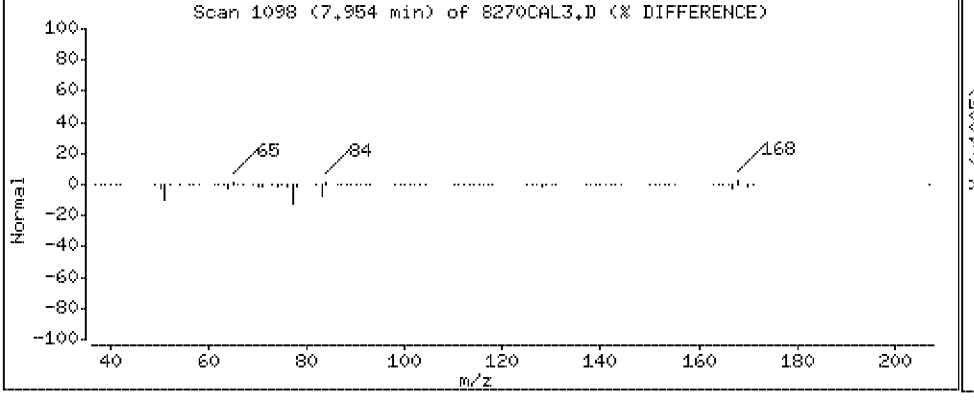
86 N-Nitrosodiphenylamine

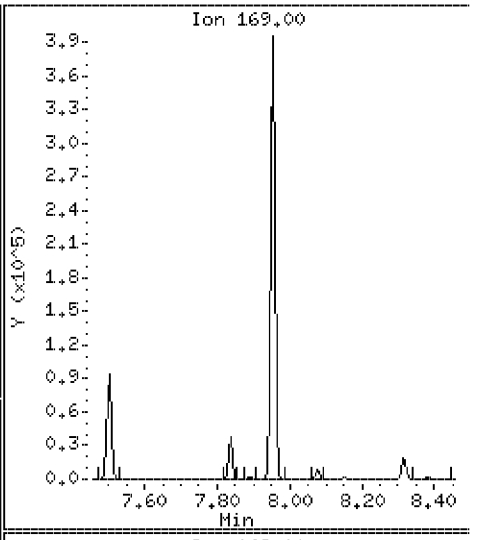
Concentration: 19.8 ug/l

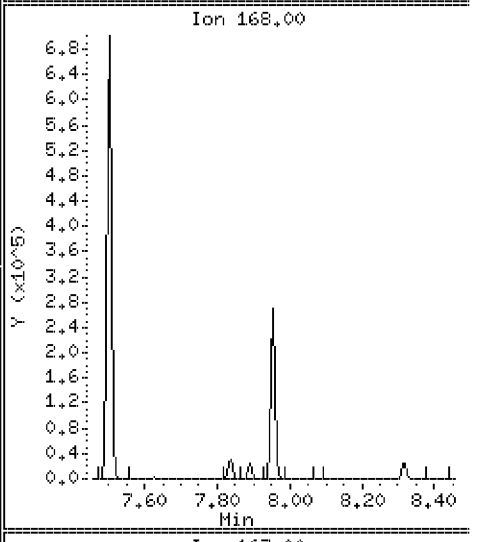


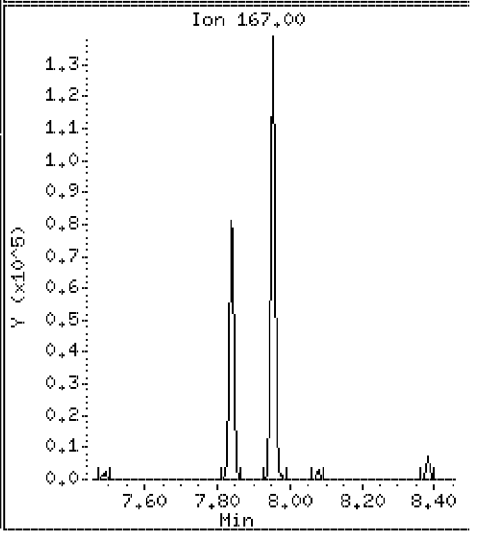












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

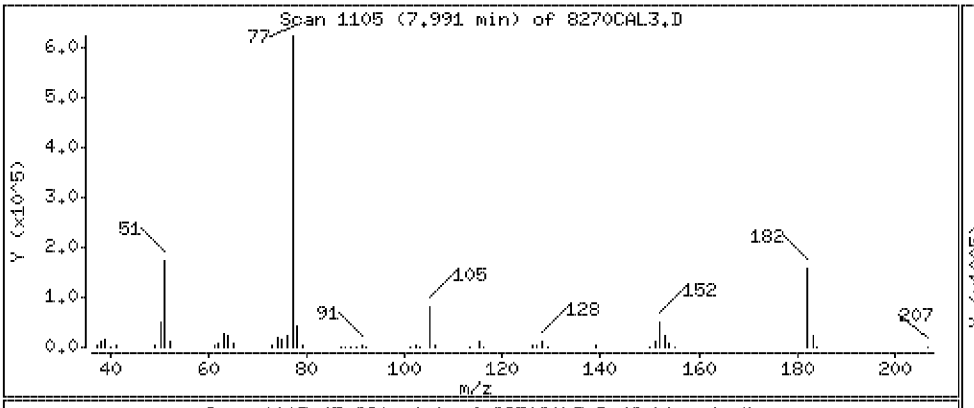
Operator: PEL

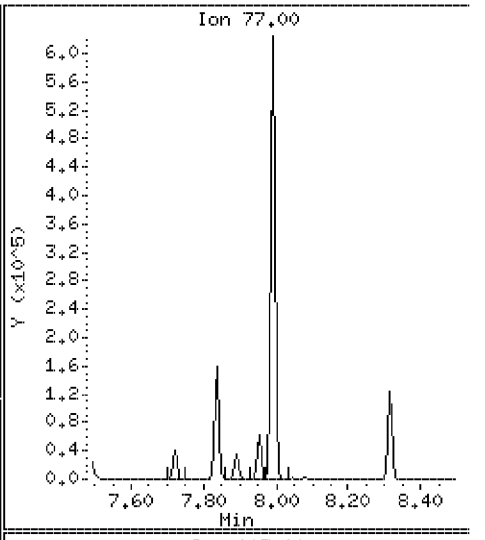
Column phase: HPMS-5

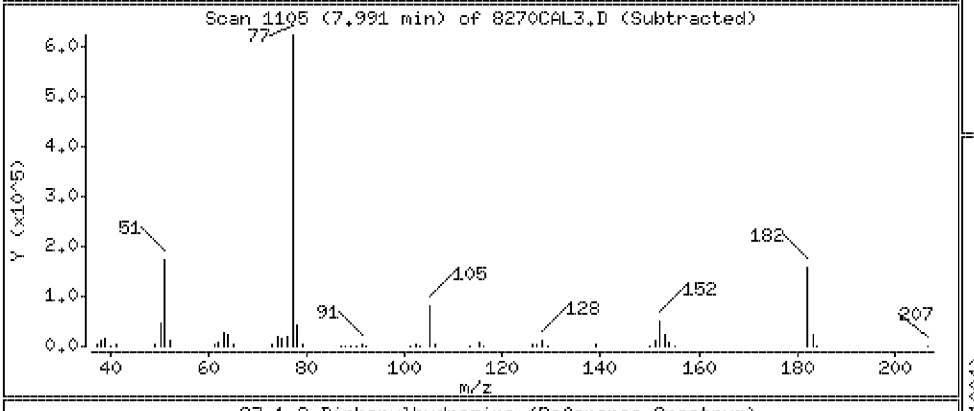
Column diameter: 0.25

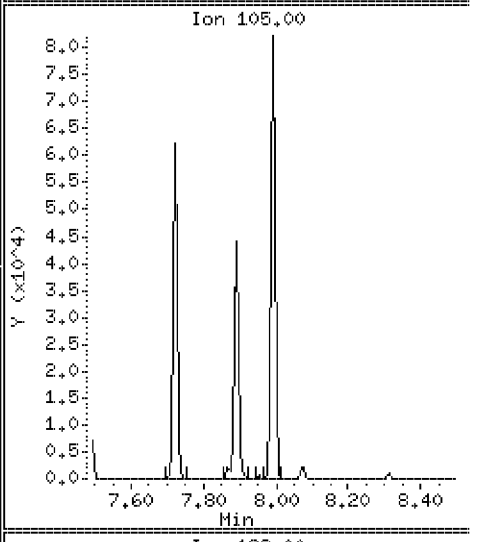
87 1,2-Diphenylhydrazine

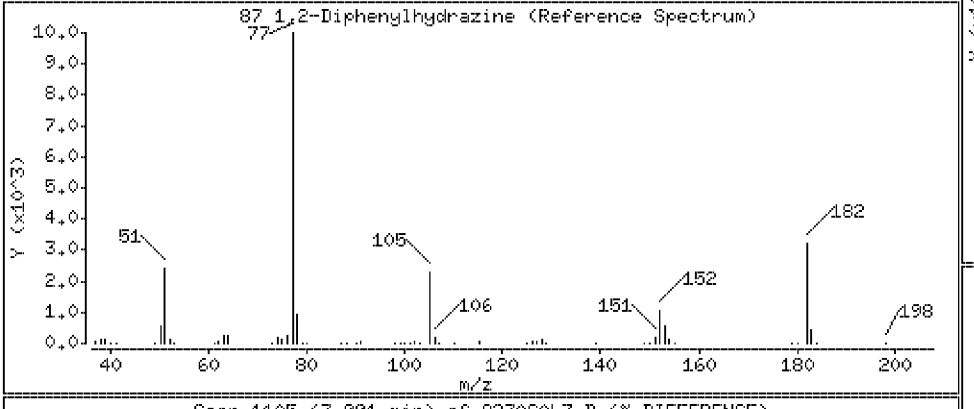
Concentration: 20.4 ug/l

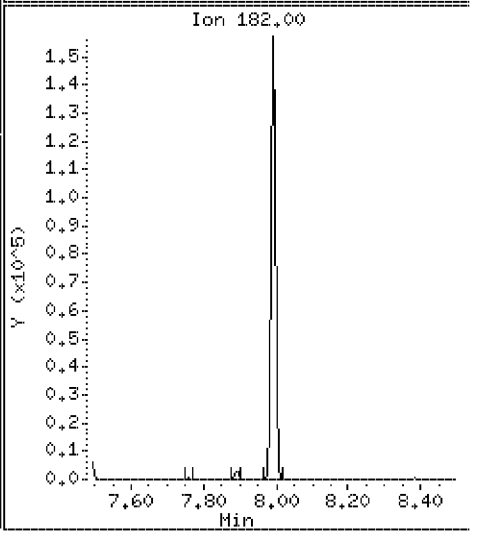


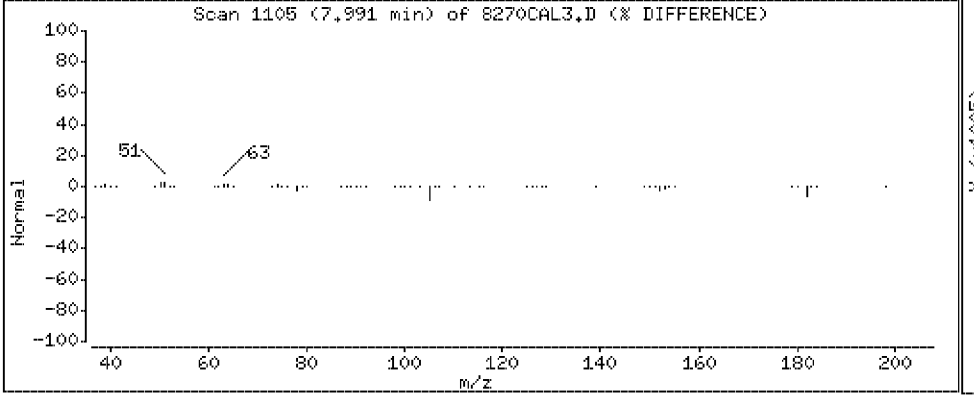












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

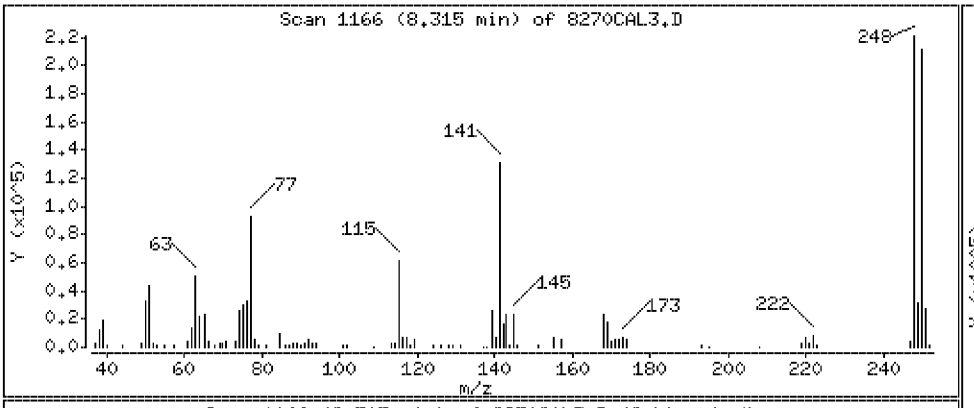
Operator: PEL

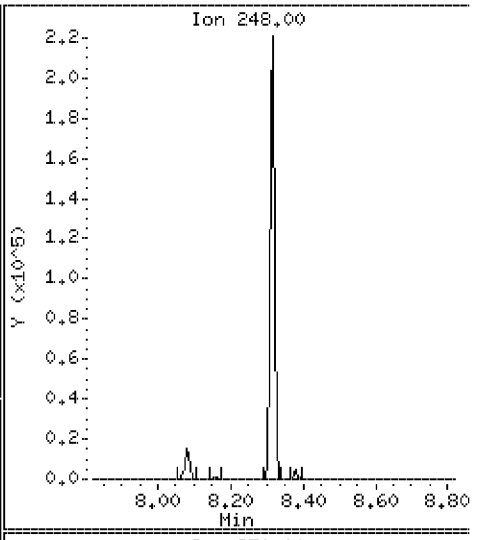
Column phase: HPMS-5

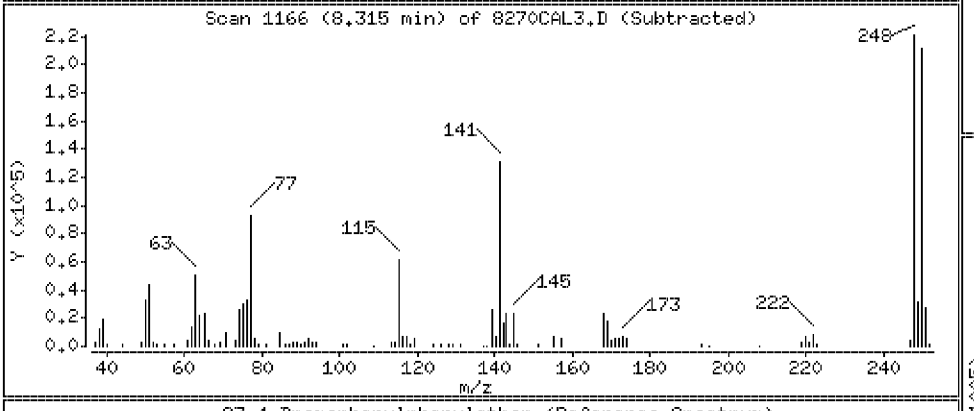
Column diameter: 0.25

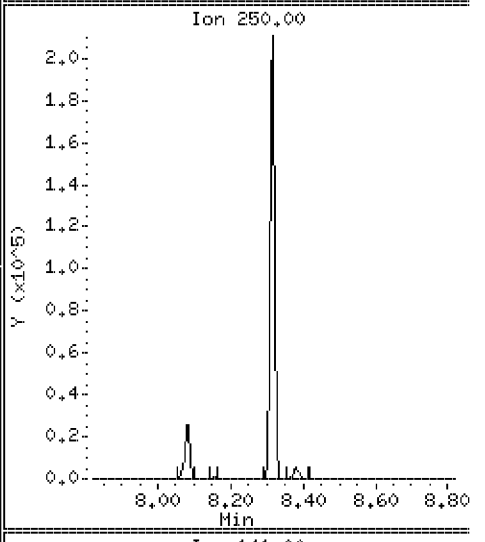
93 4-Bromophenylphenylether

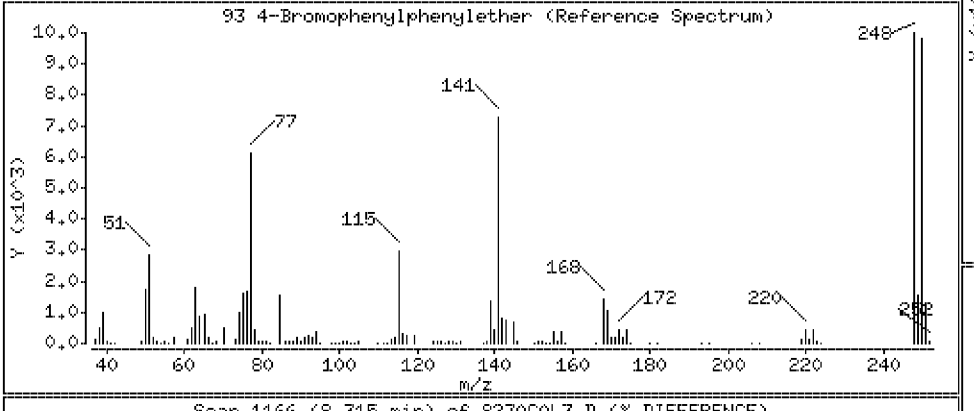
Concentration: 19.3 ug/l

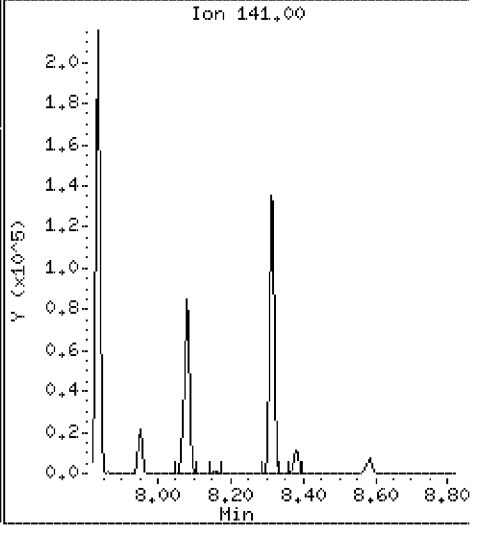


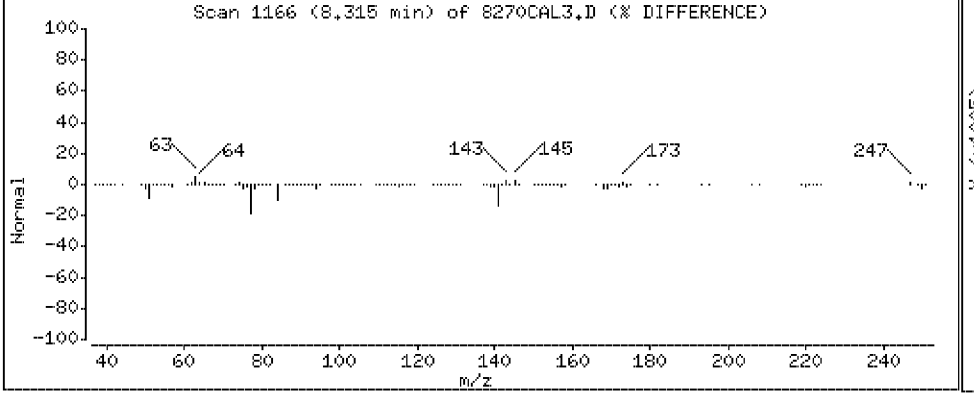












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

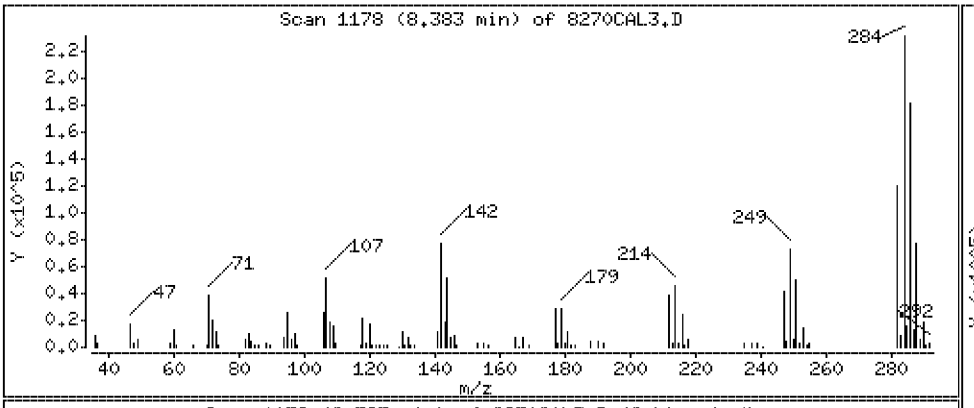
Operator: PEL

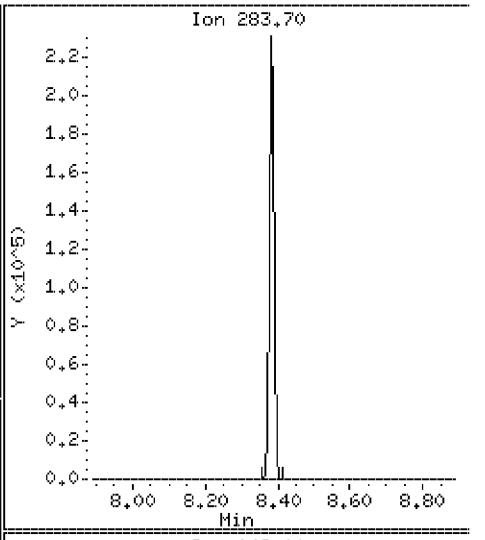
Column phase: HPMS-5

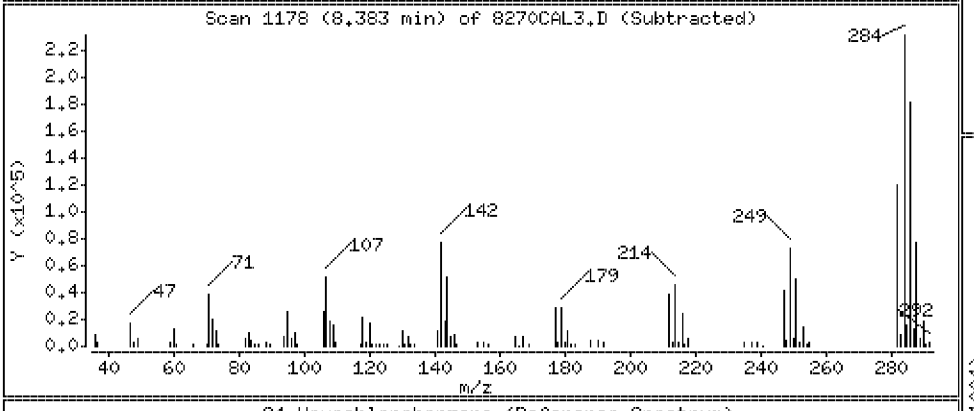
Column diameter: 0.25

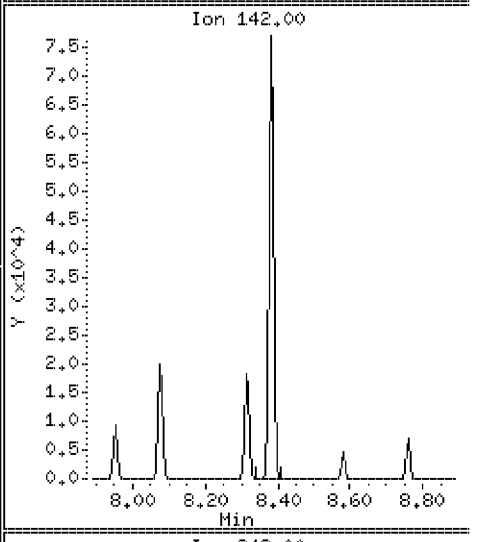
94 Hexachlorobenzene

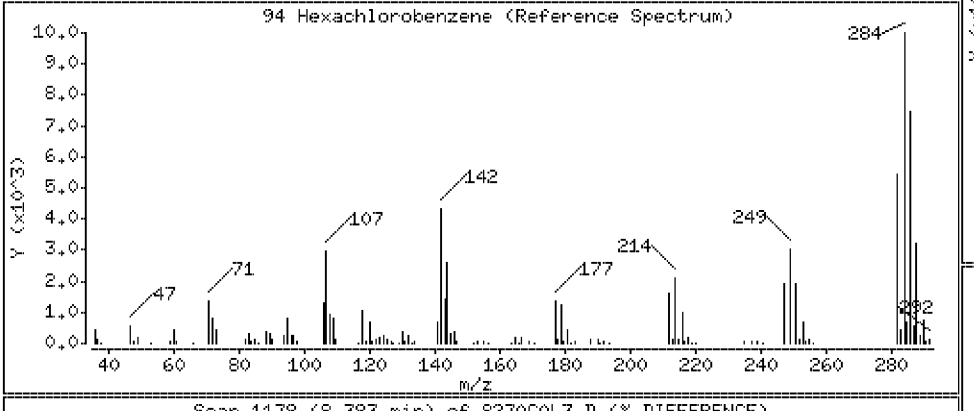
Concentration: 18.8 ug/l

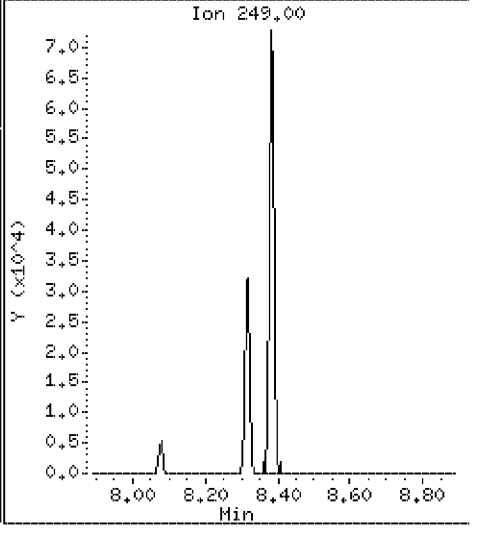


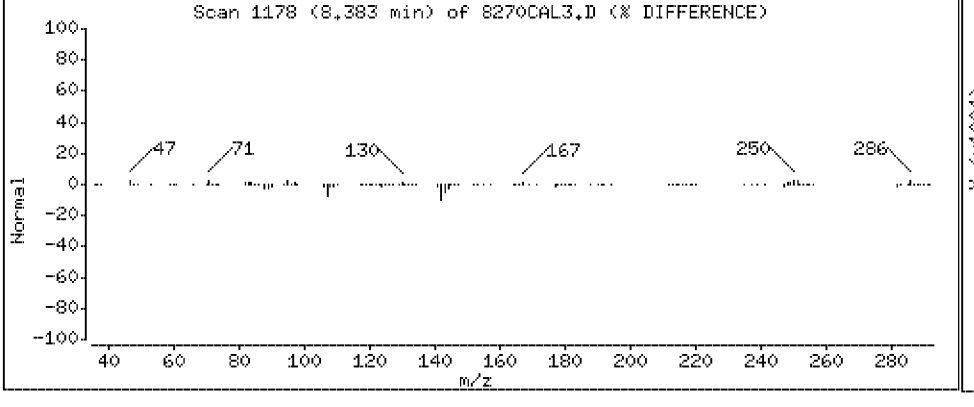












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Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

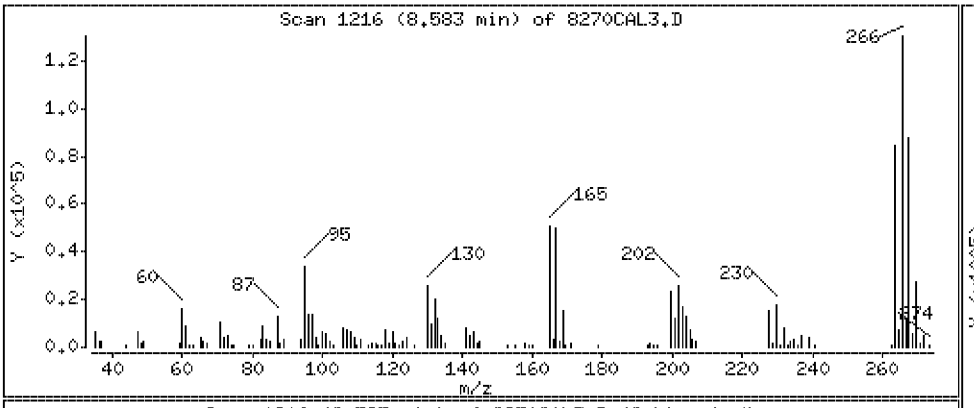
Operator: PEL

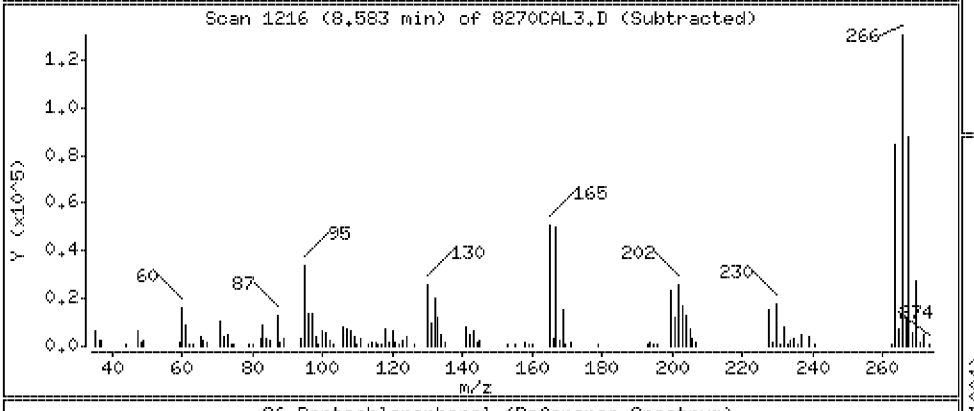
Column phase: HPMS-5

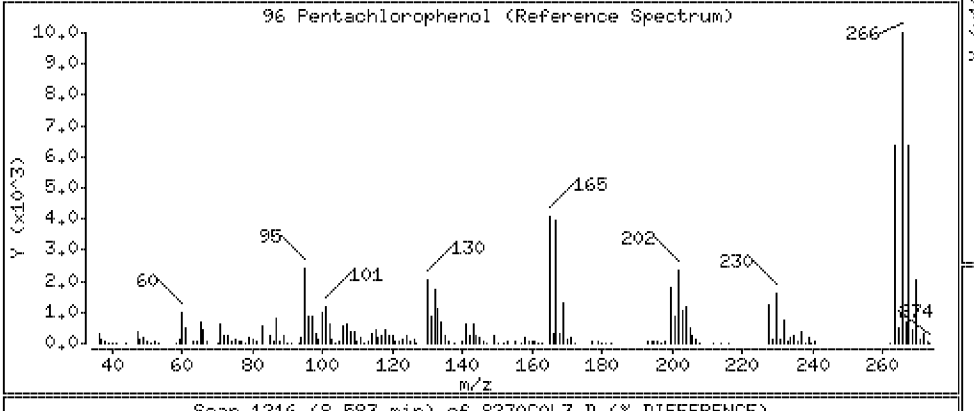
Column diameter: 0.25

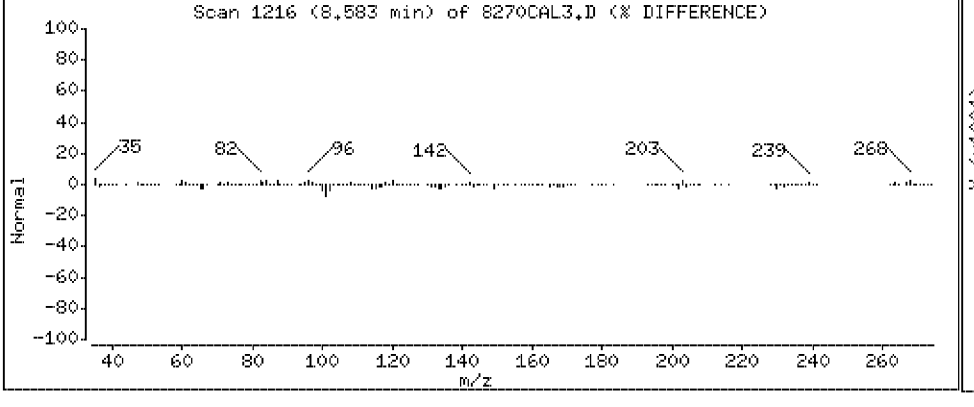
96 Pentachlorophenol

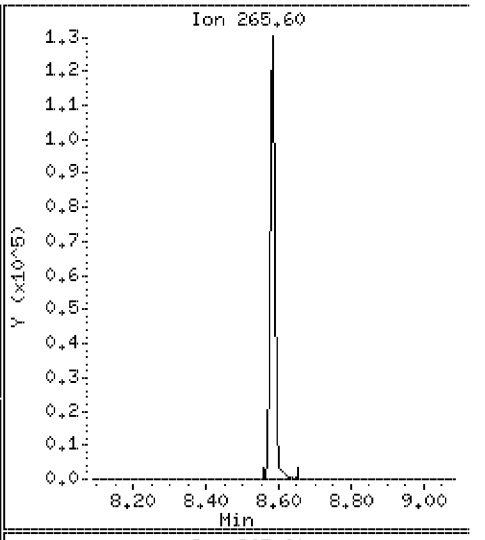
Concentration: 18.5 ug/l

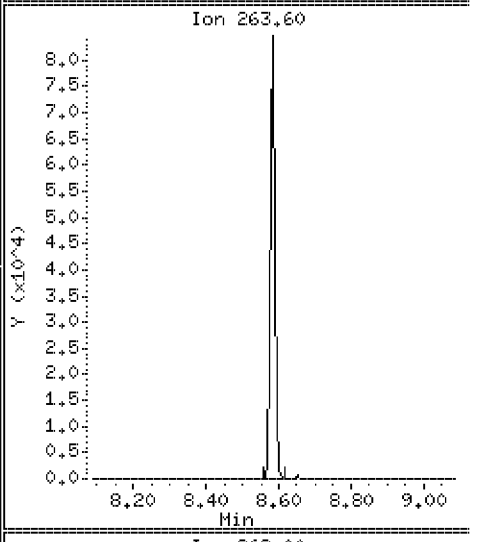


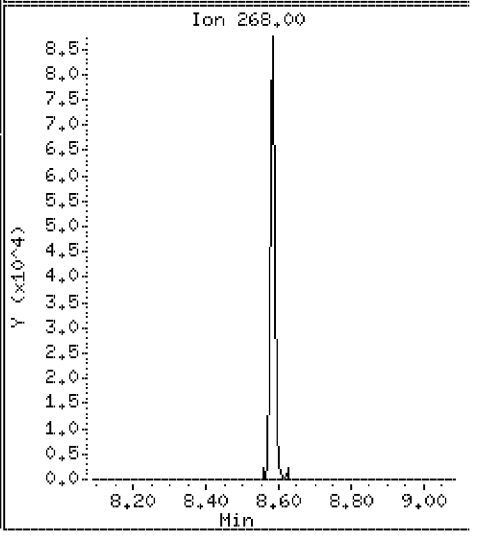












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

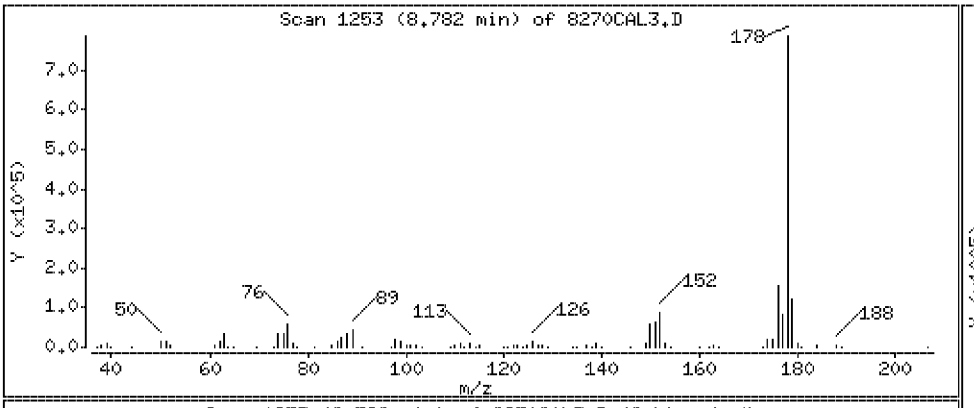
Operator: PEL

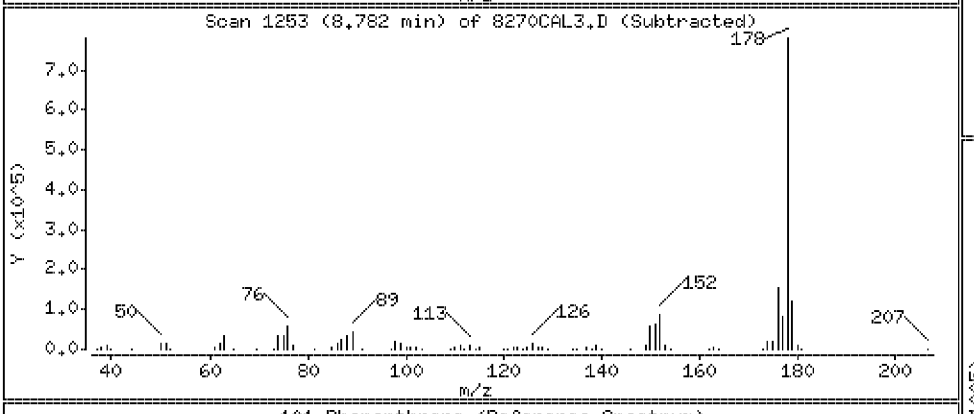
Column phase: HPMS-5

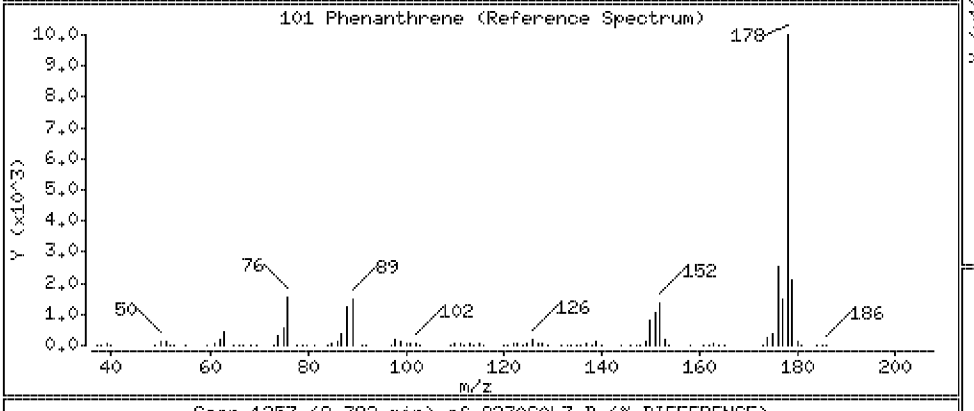
Column diameter: 0.25

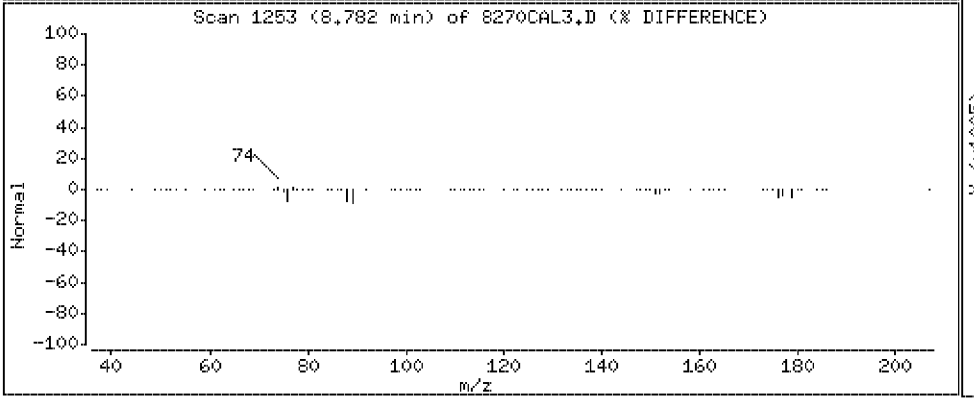
101 Phenanthrene

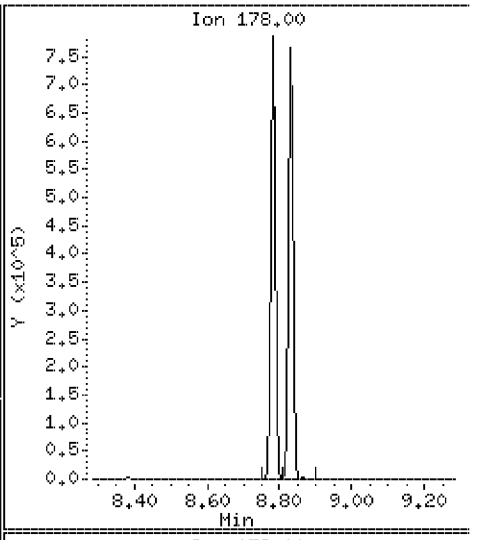
Concentration: 19.8 ug/l

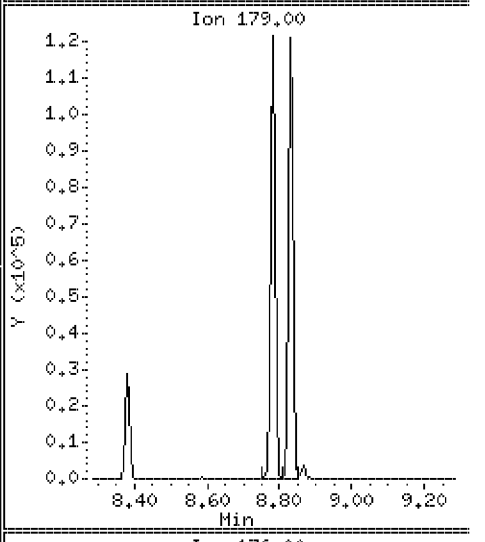


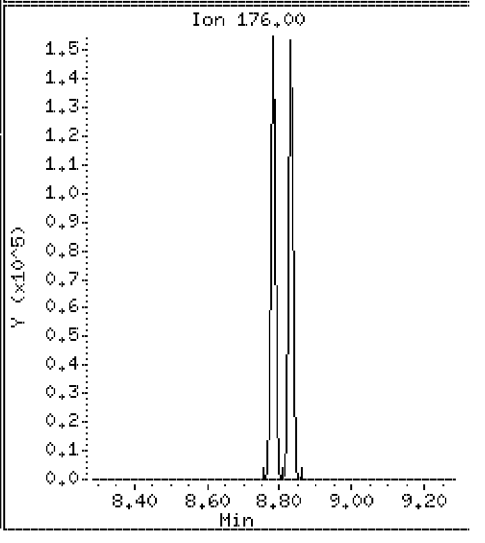












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

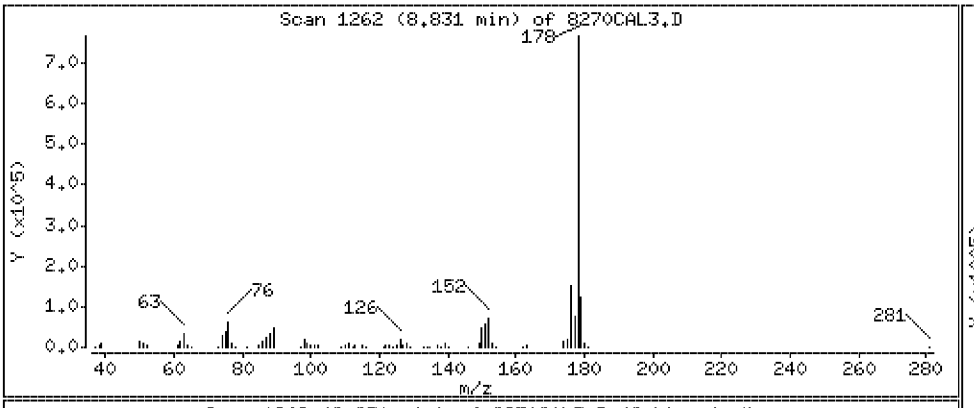
Operator: PEL

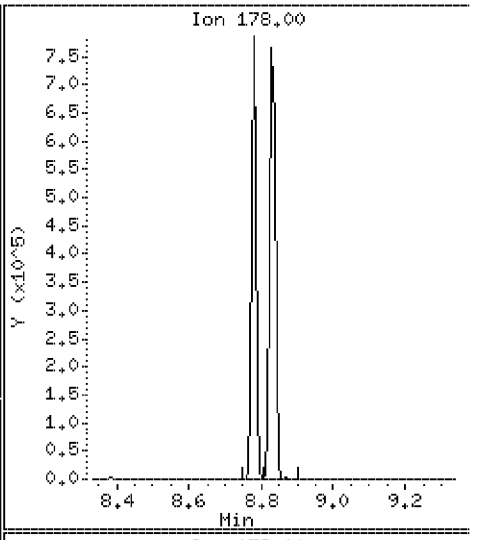
Column phase: HPMS-5

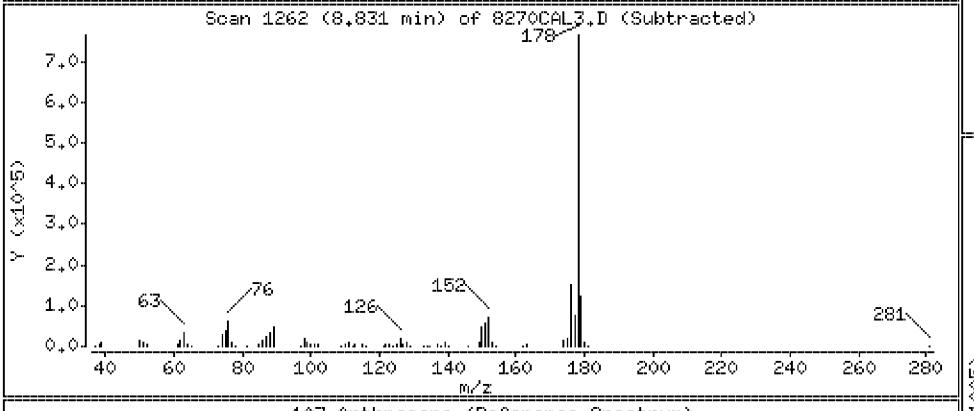
Column diameter: 0.25

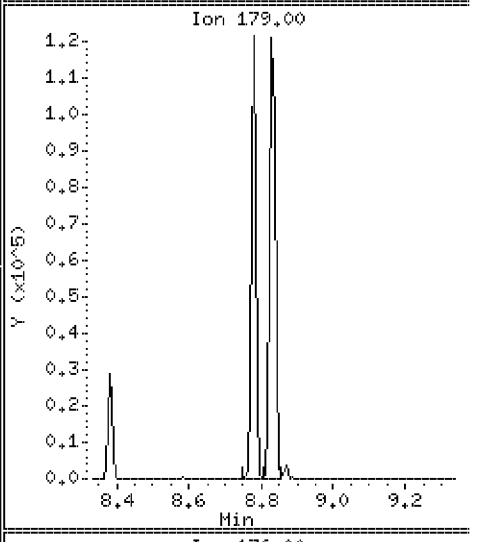
103 Anthracene

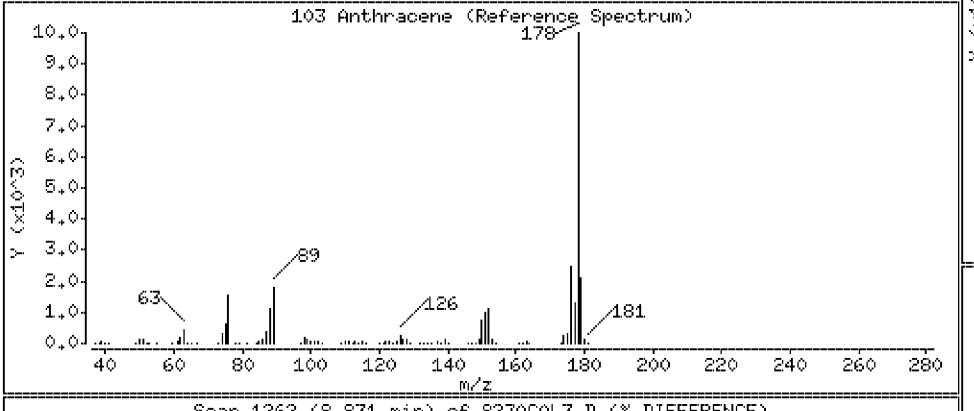
Concentration: 19.9 ug/l

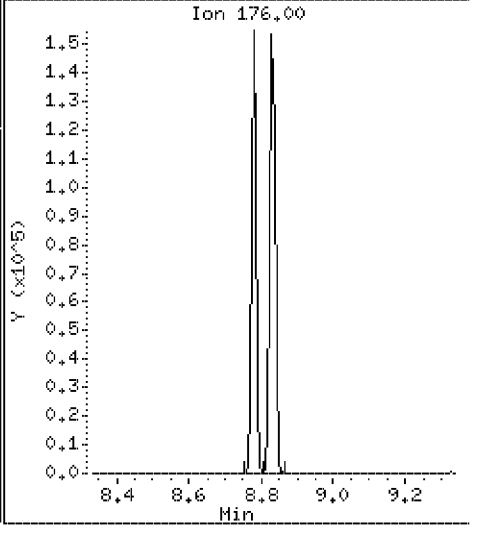


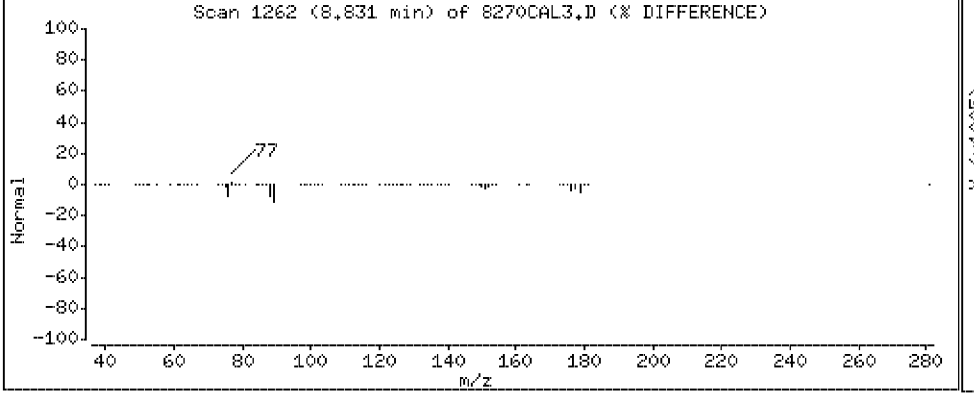












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

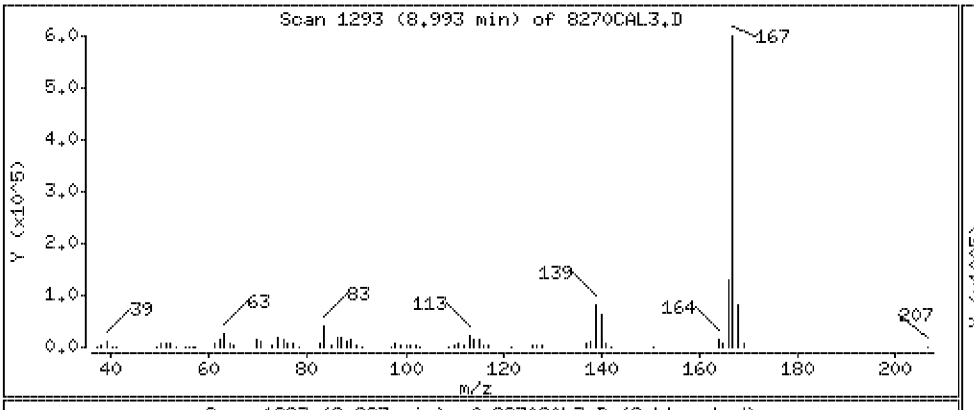
Operator: PEL

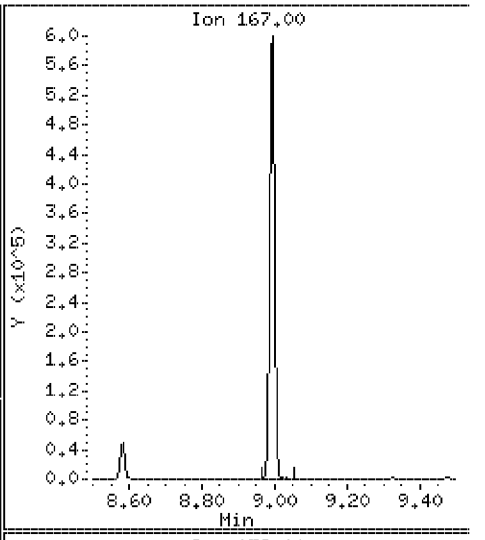
Column phase: HPMS-5

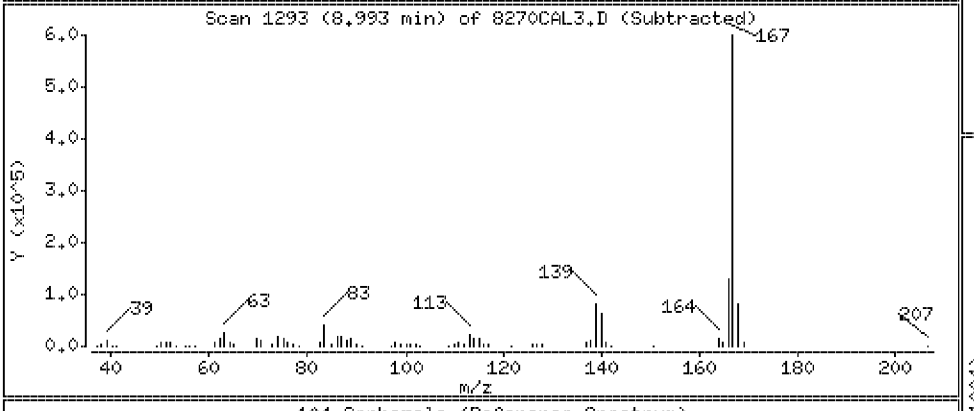
Column diameter: 0.25

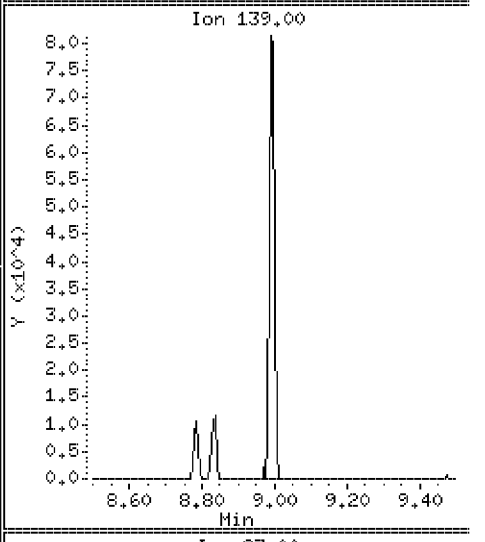
104 Carbazole

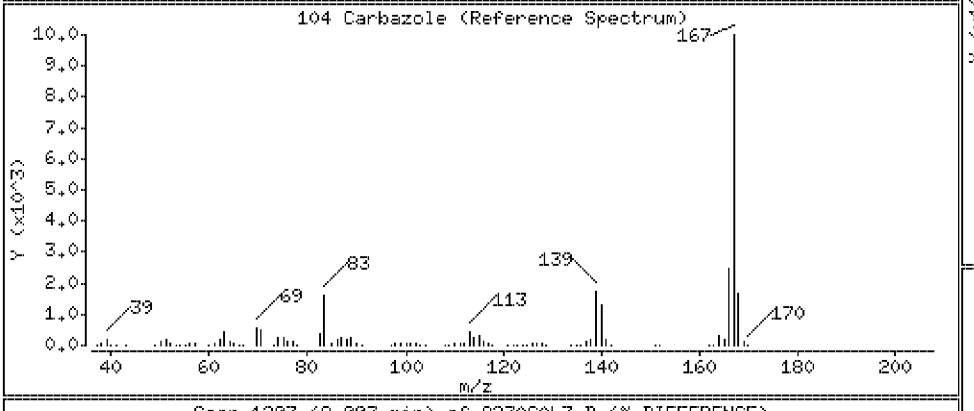
Concentration: 20.1 ug/l

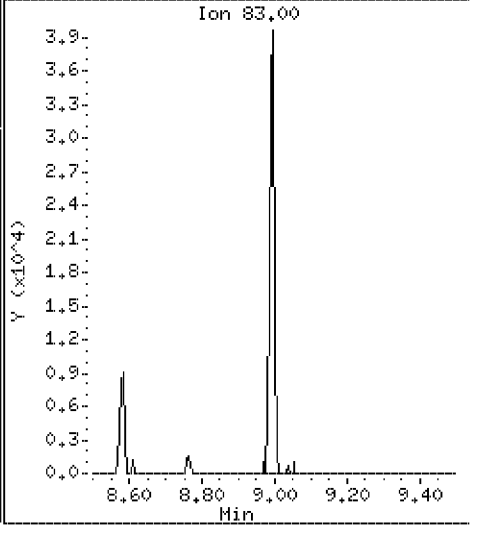


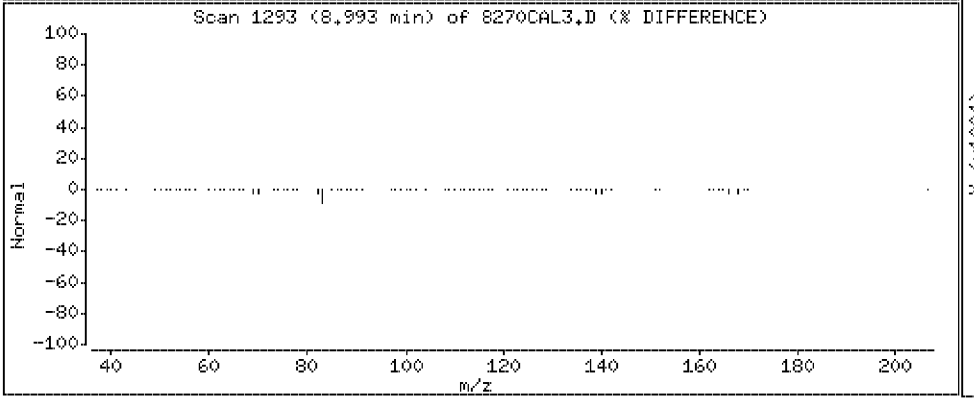












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

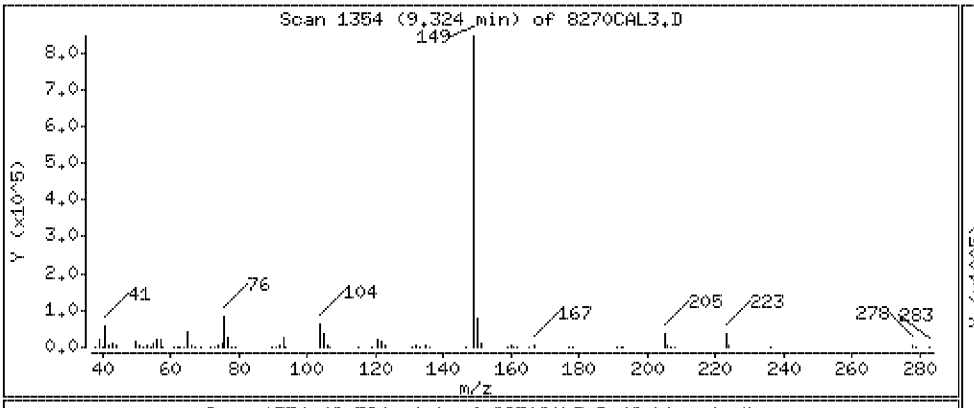
Operator: PEL

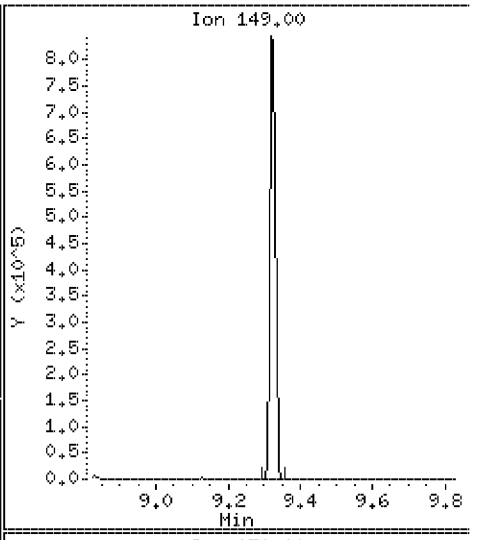
Column phase: HPMS-5

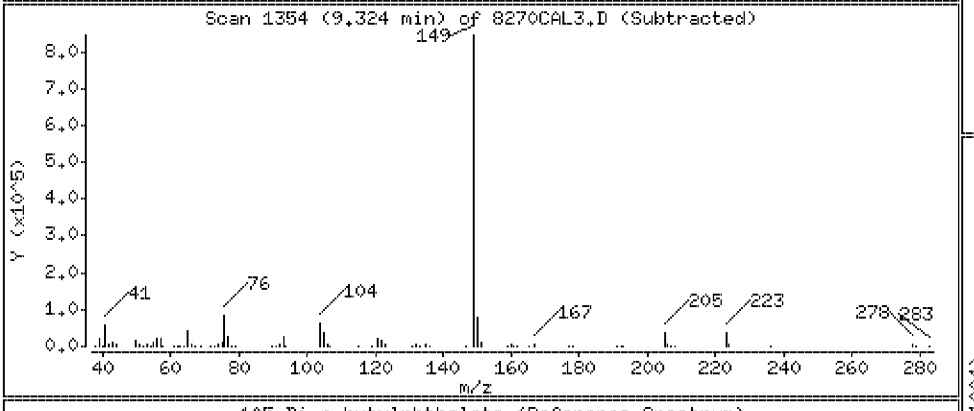
Column diameter: 0.25

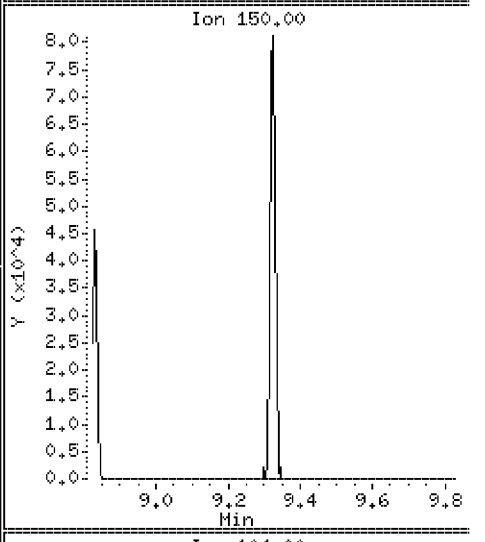
105 Di-n-butylphthalate

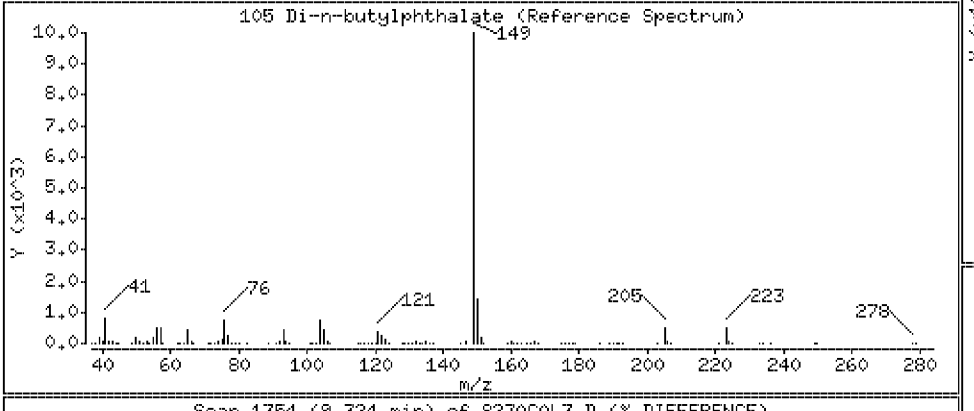
Concentration: 20.4 ug/l

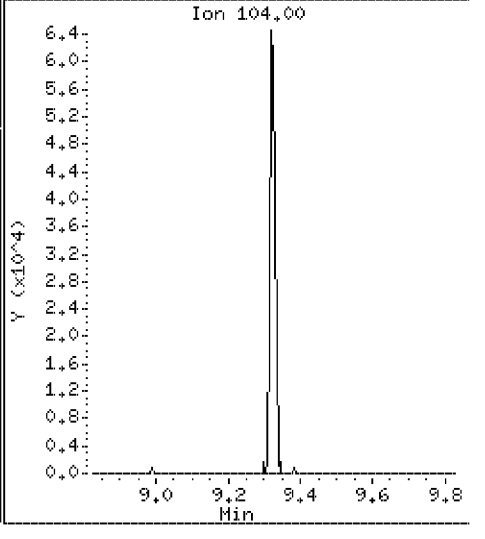


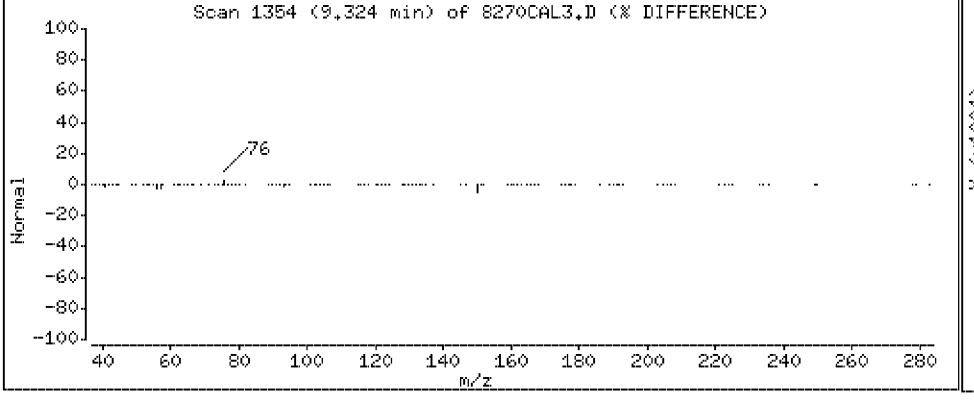












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

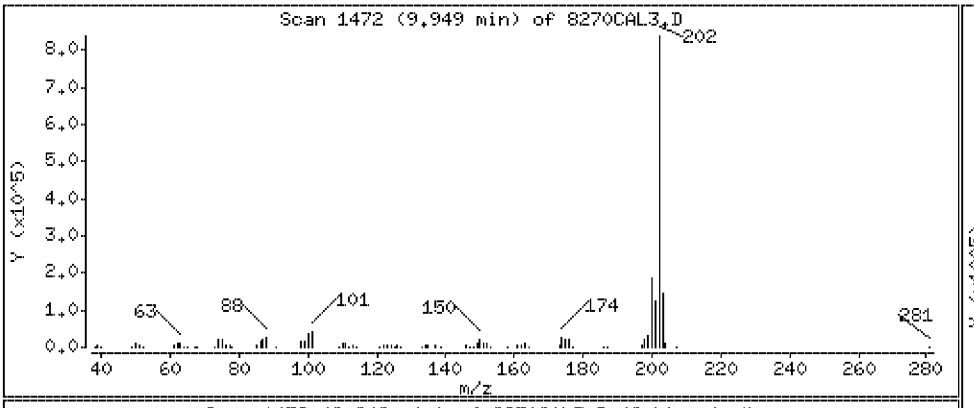
Operator: PEL

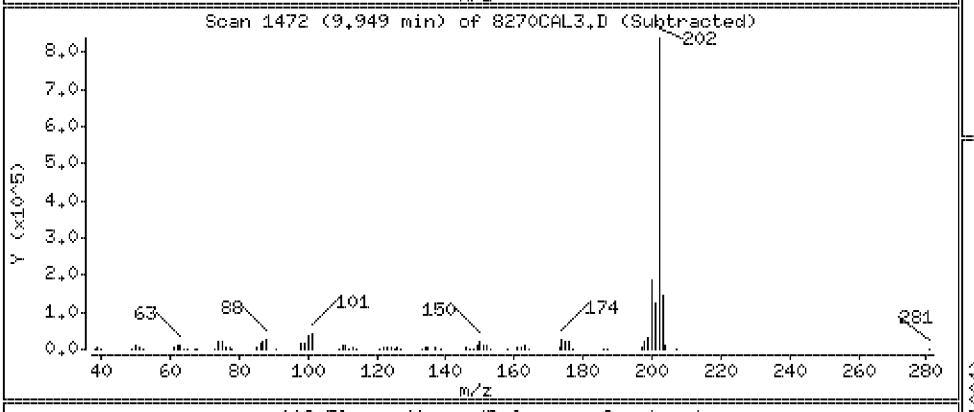
Column phase: HPMS-5

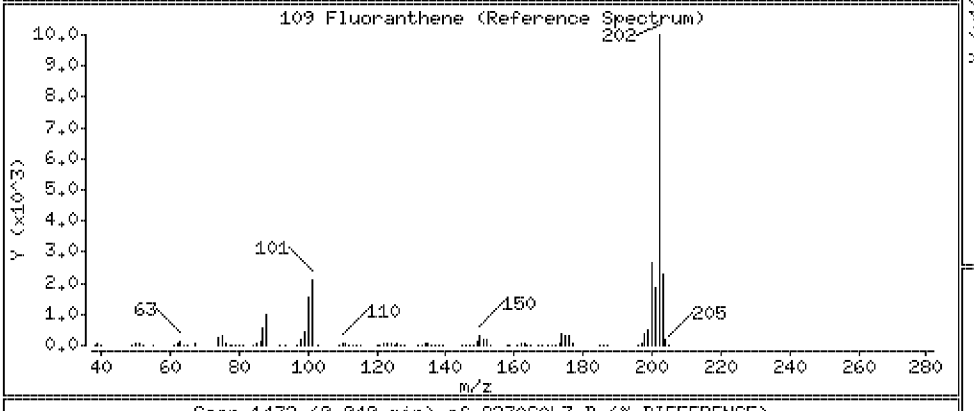
Column diameter: 0.25

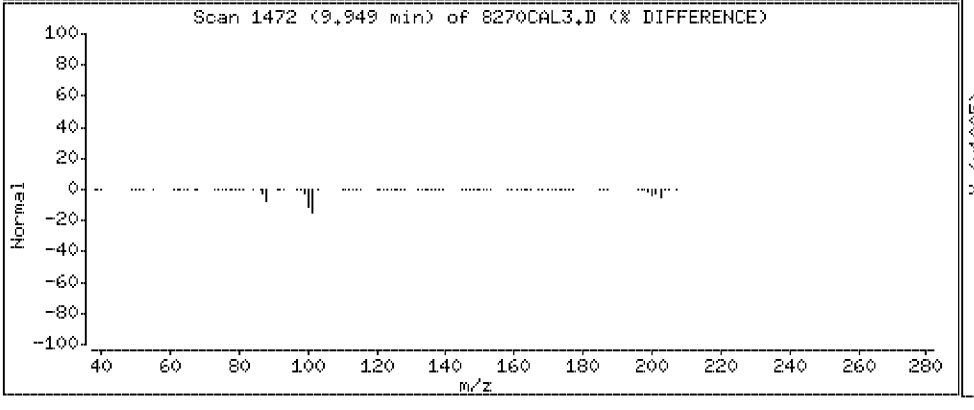
109 Fluoranthene

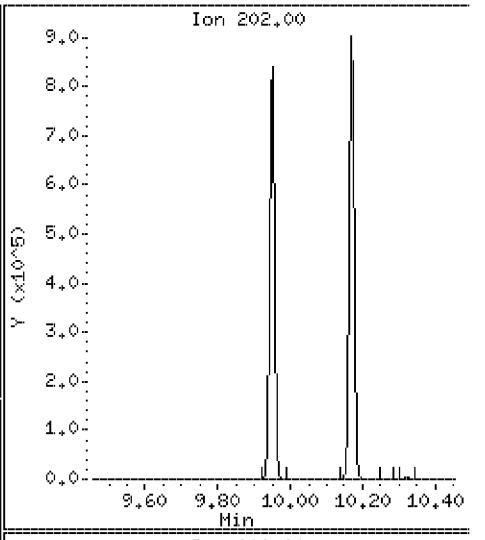
Concentration: 20.4 ug/l

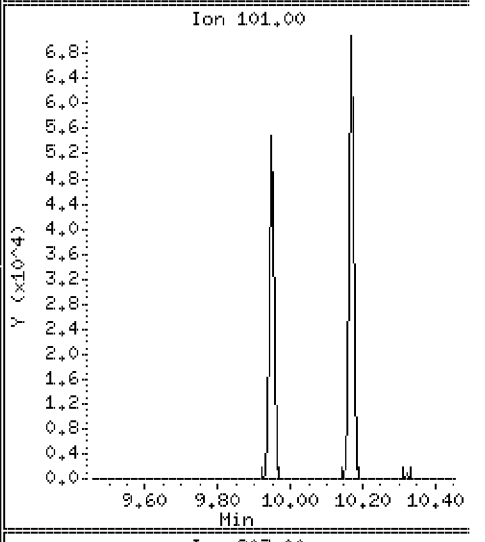


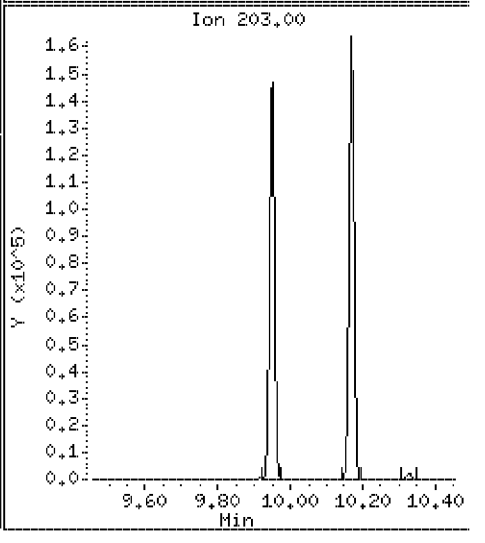












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

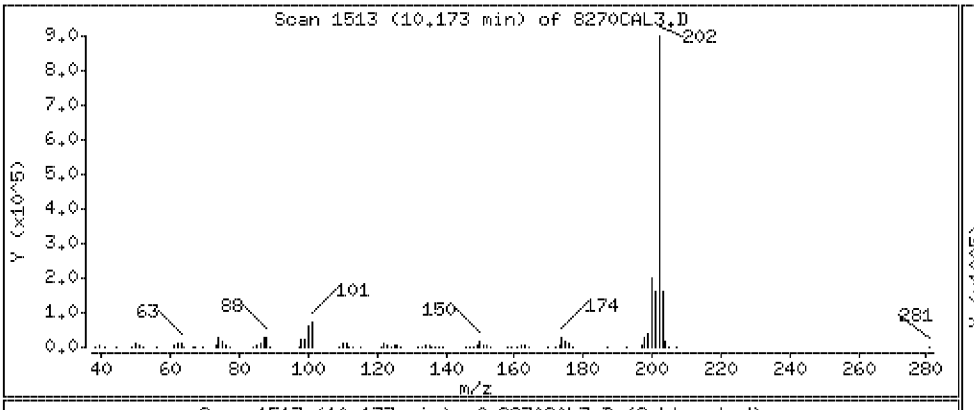
Operator: PEL

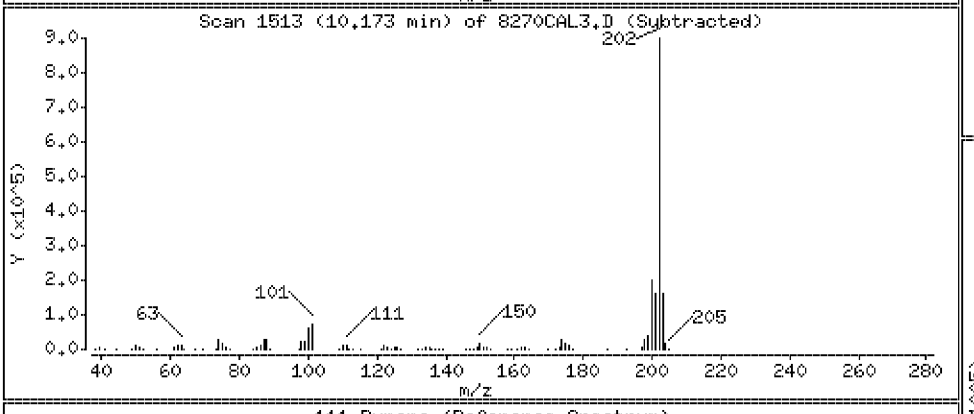
Column phase: HPMS-5

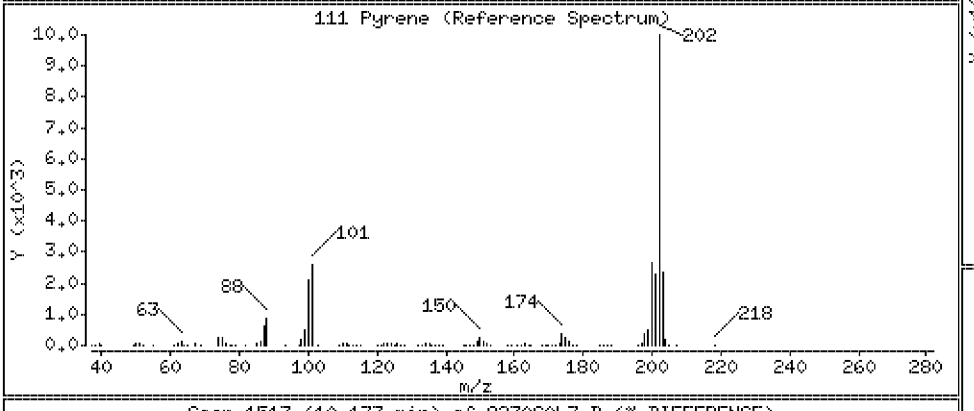
Column diameter: 0.25

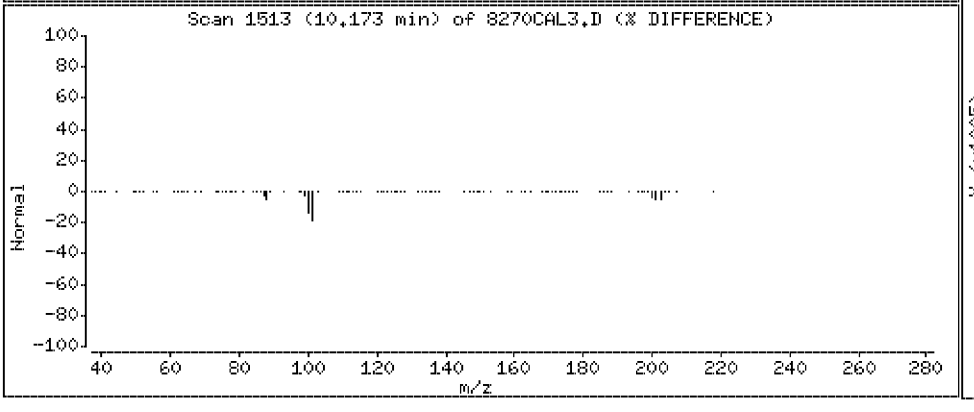
111 Pyrene

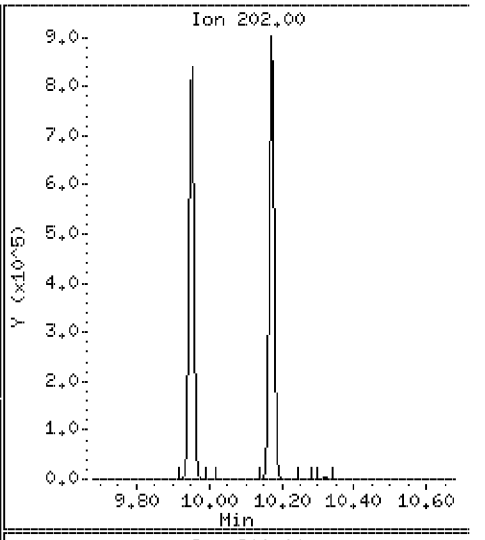
Concentration: 22.1 ug/l

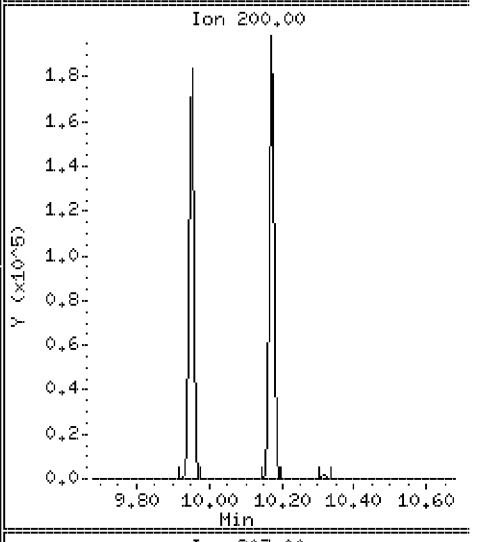


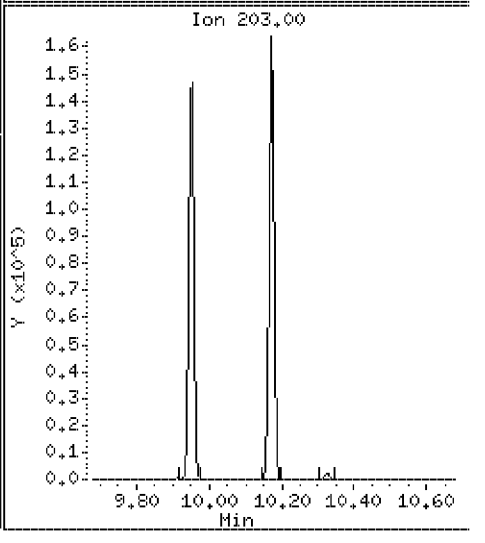












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

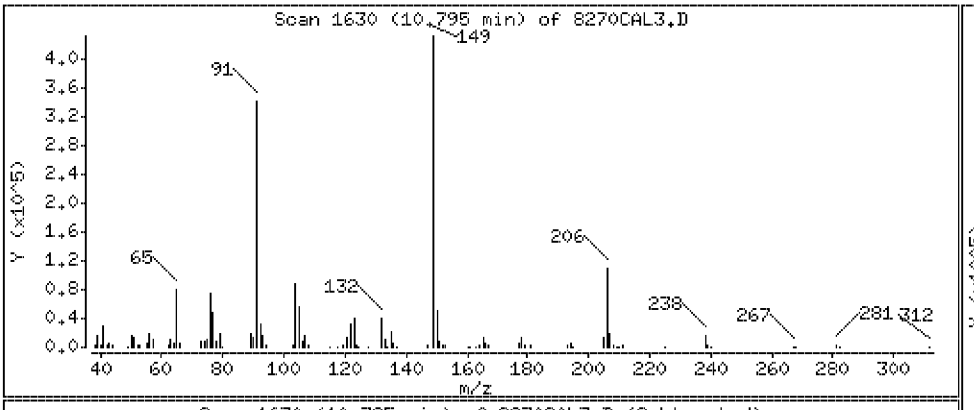
Operator: PEL

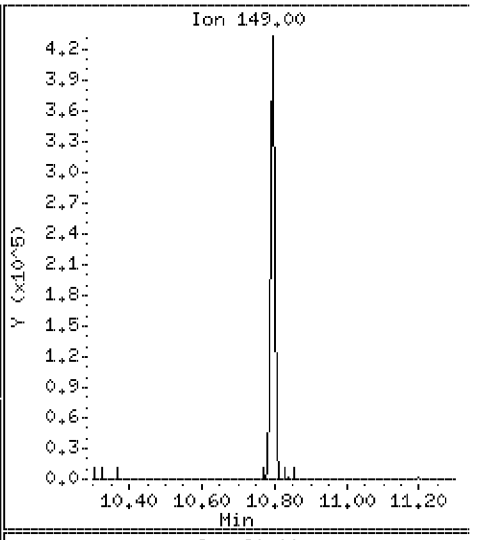
Column phase: HPMS-5

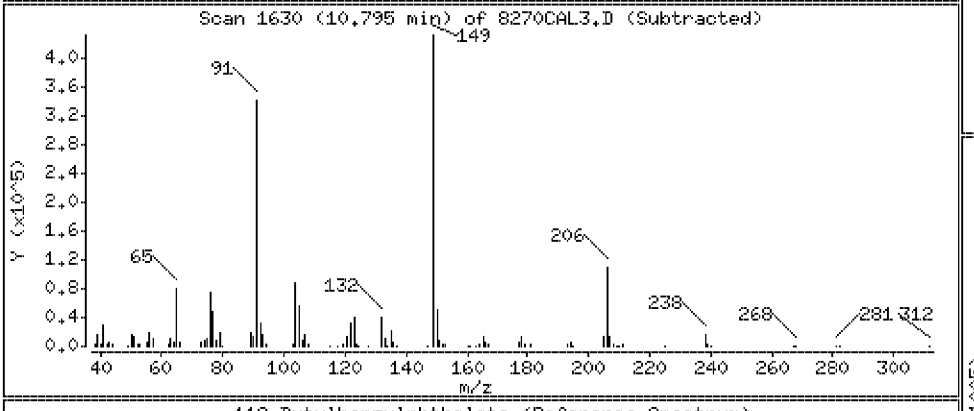
Column diameter: 0.25

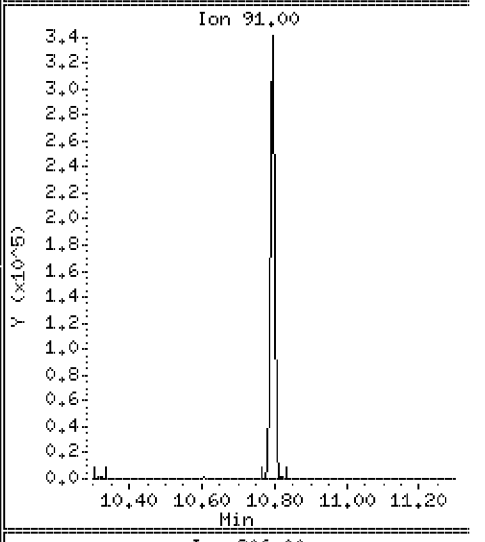
118 Butylbenzylphthalate

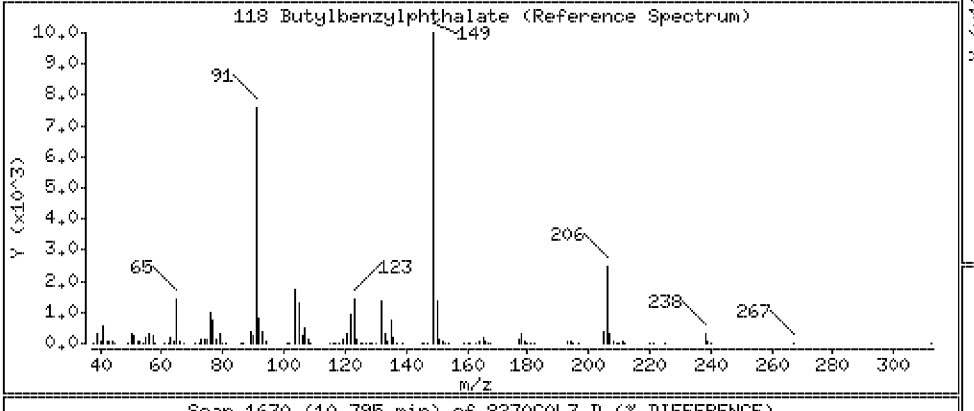
Concentration: 20.6 ug/l

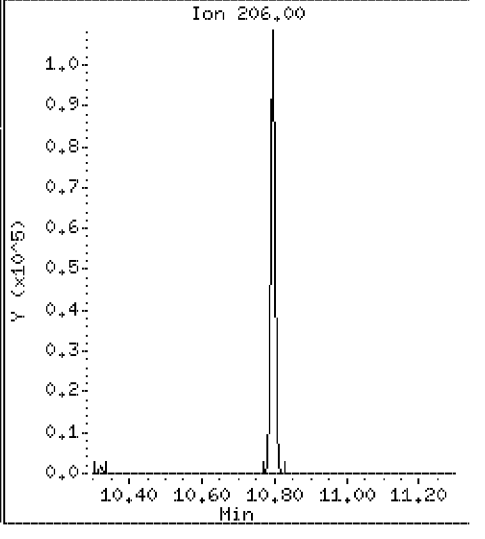


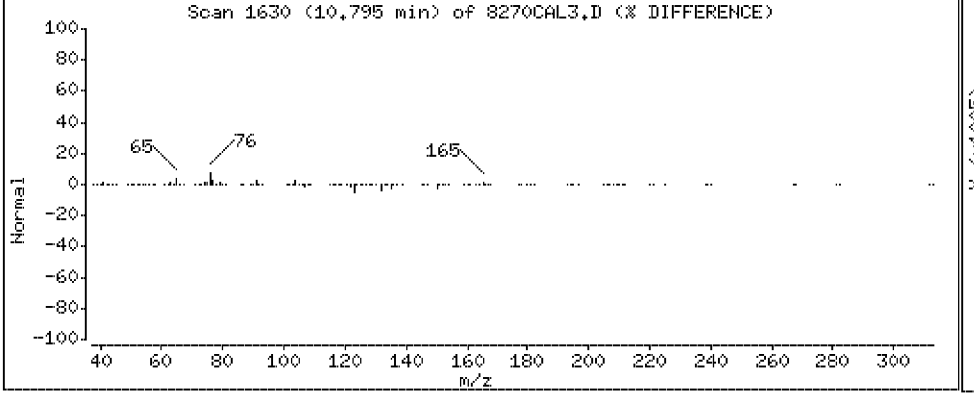












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

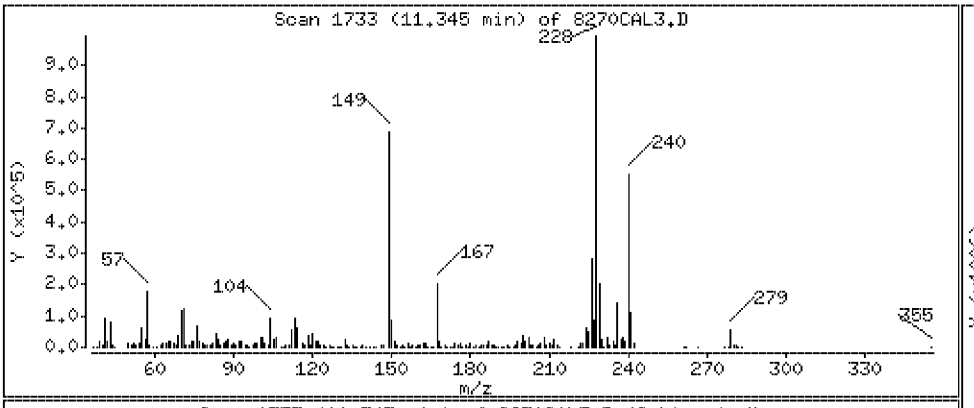
Operator: PEL

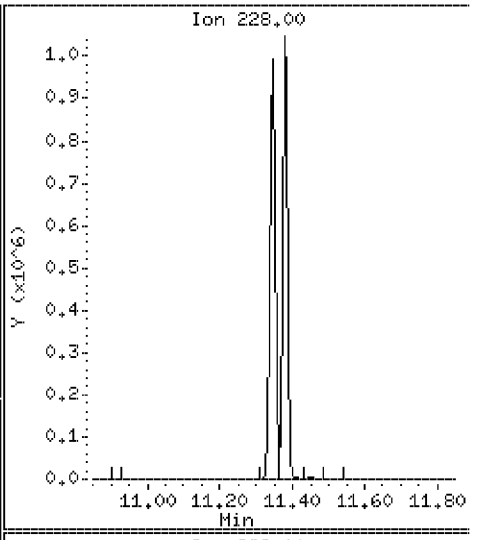
Column phase: HPMS-5

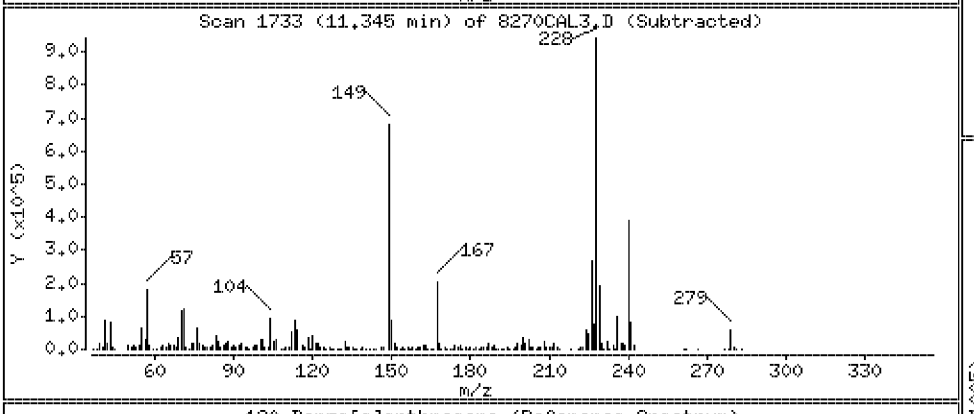
Column diameter: 0.25

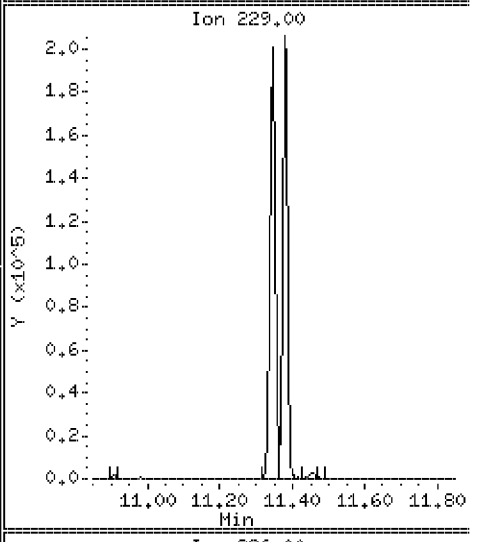
120 Benzo[a]anthracene

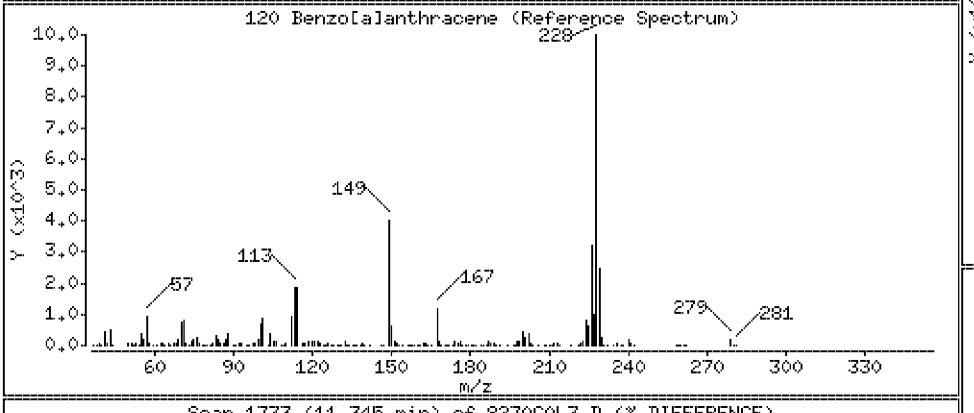
Concentration: 21.2 ug/l

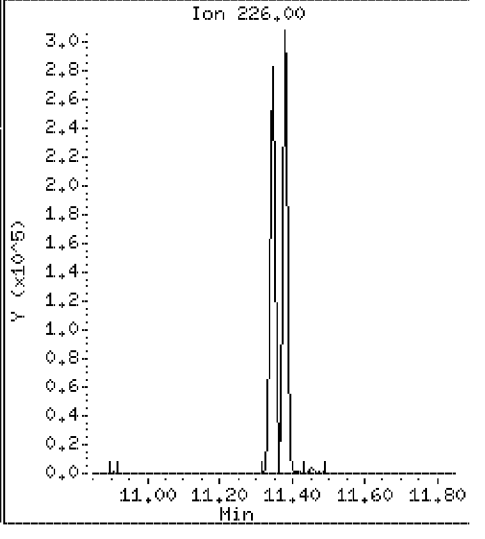


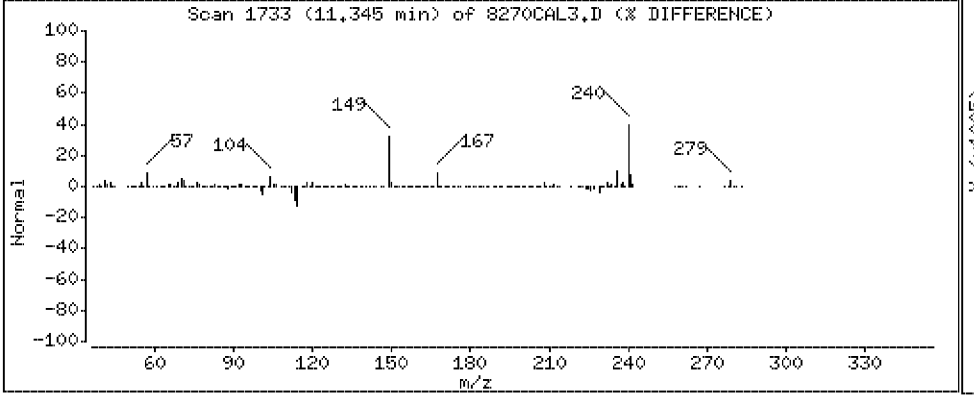












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

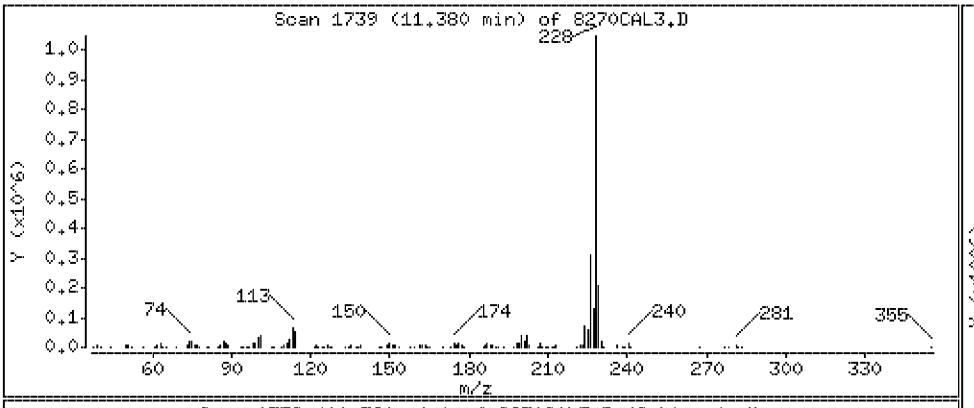
Operator: PEL

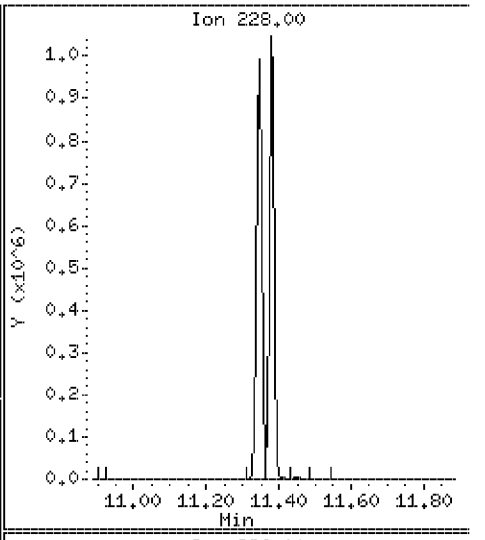
Column phase: HPMS-5

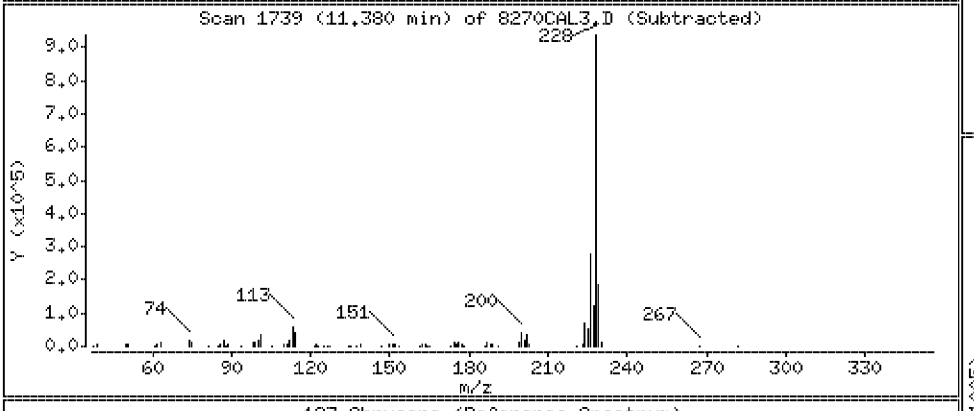
Column diameter: 0.25

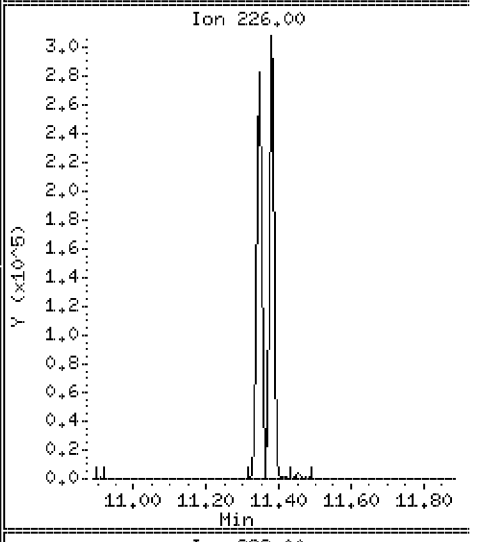
123 Chrysene

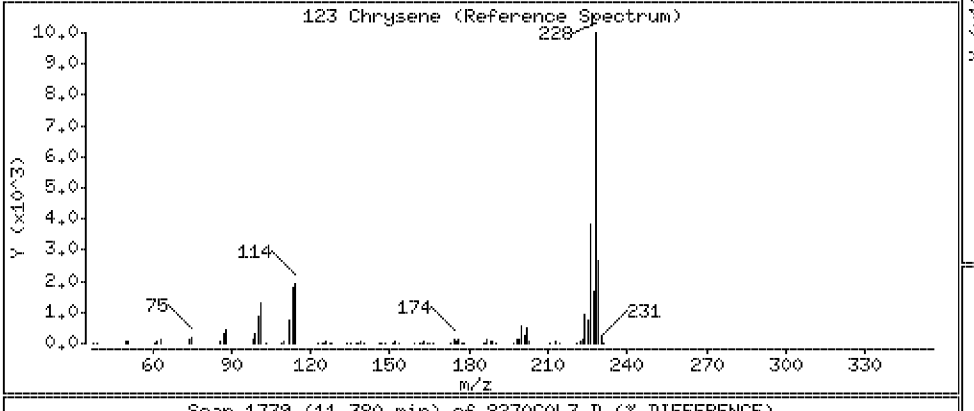
Concentration: 22.2 ug/l

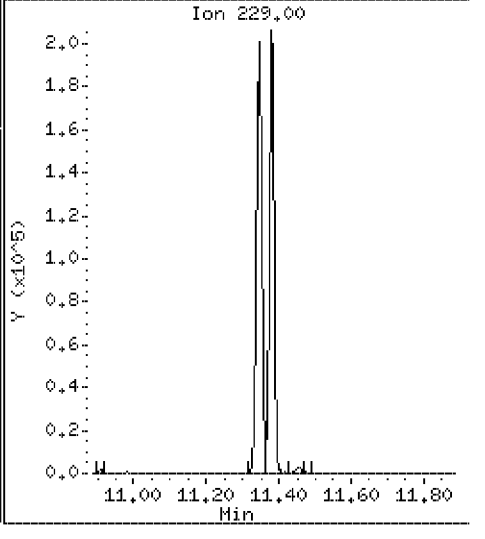


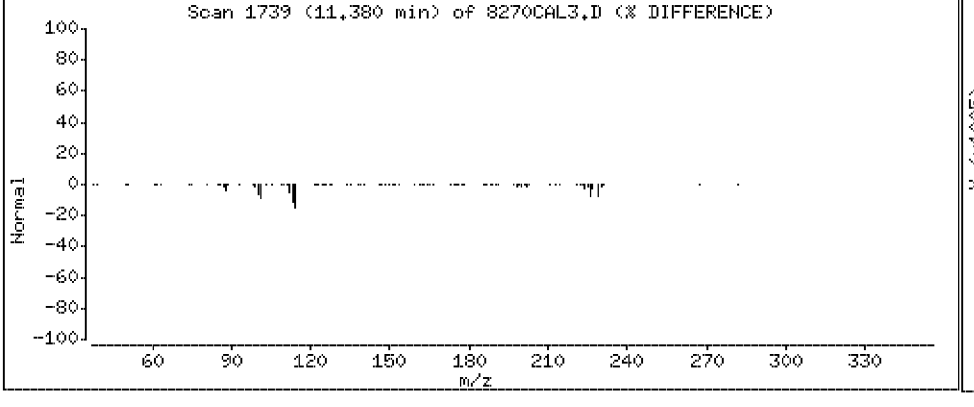












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

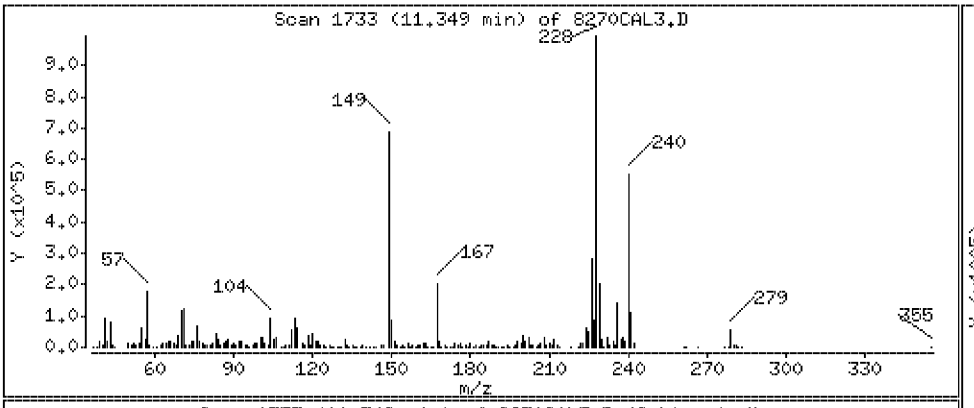
Operator: PEL

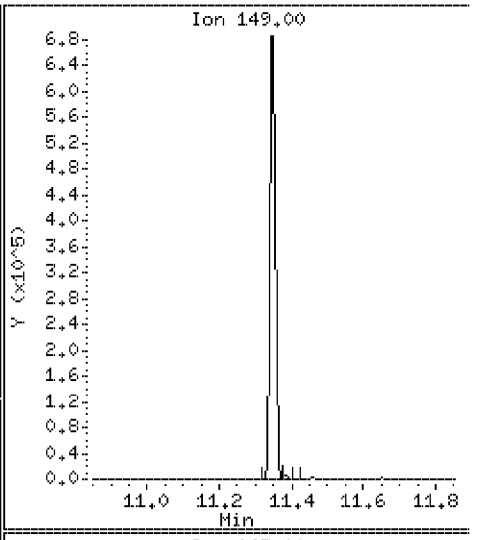
Column phase: HPMS-5

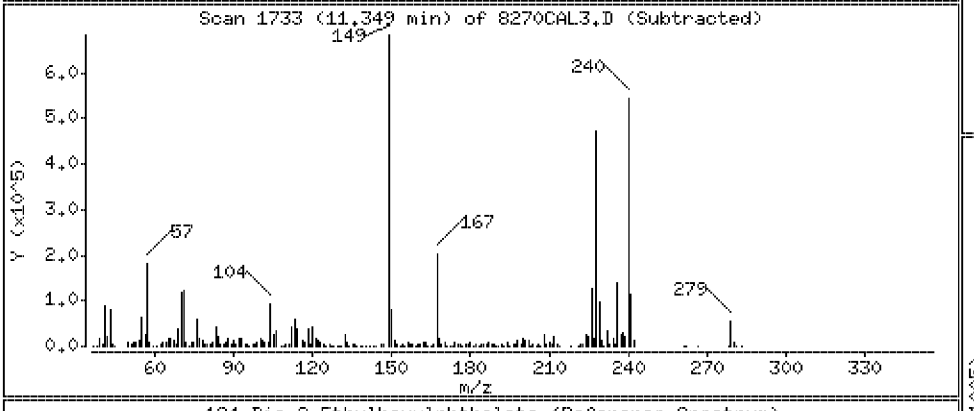
Column diameter: 0.25

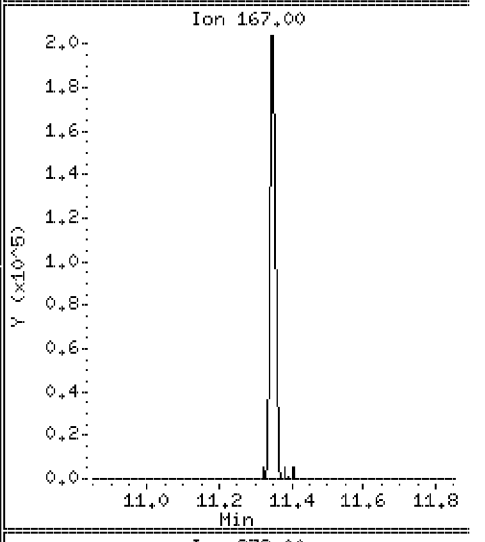
124 Bis-2-Ethylhexylphthalate

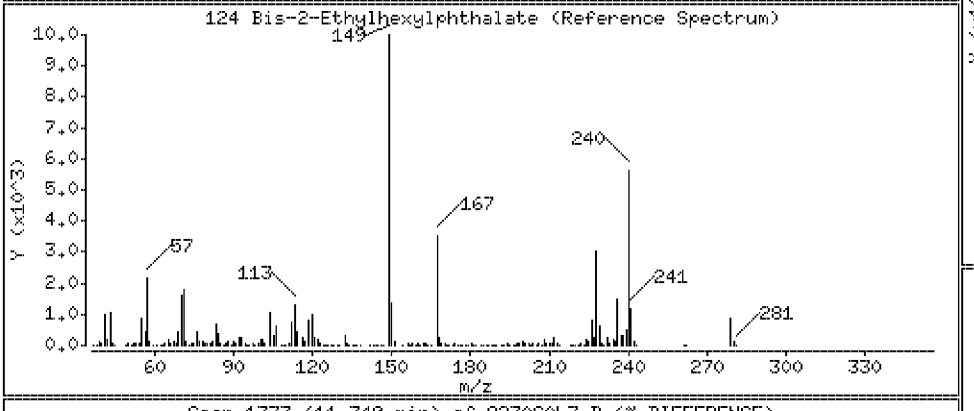
Concentration: 20.5 ug/l

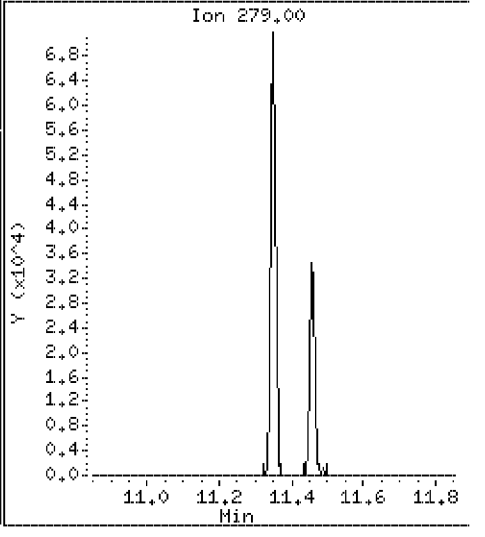


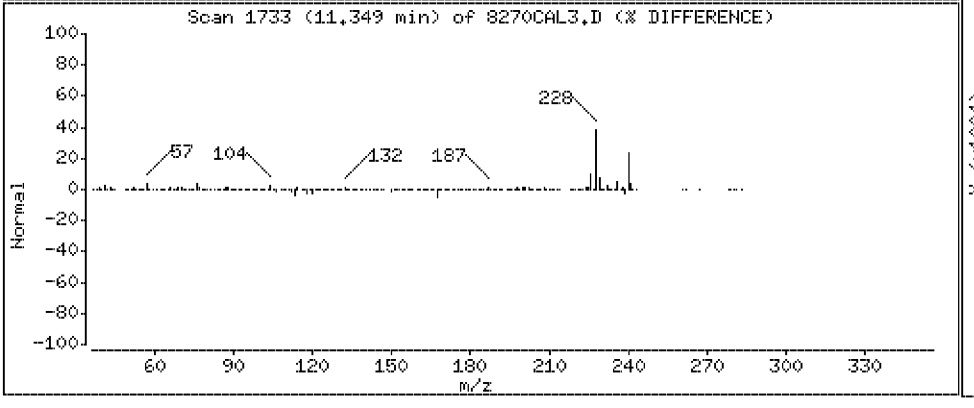












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

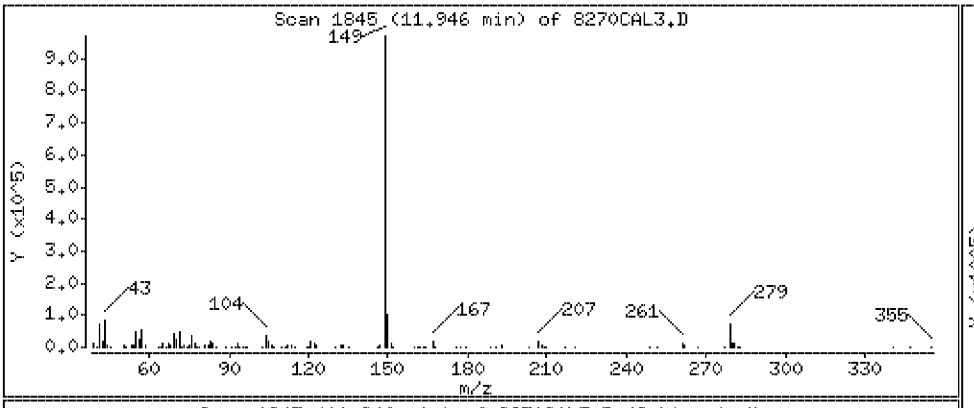
Operator: PEL

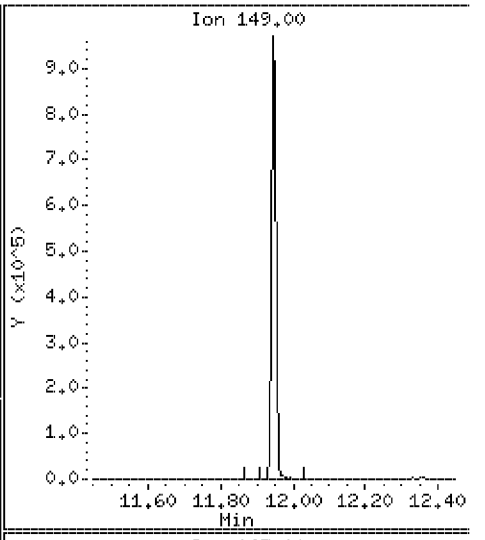
Column phase: HPMS-5

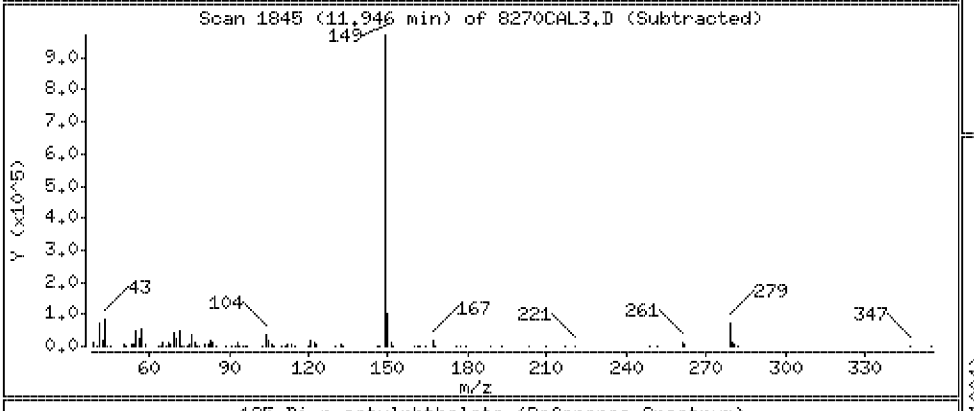
Column diameter: 0.25

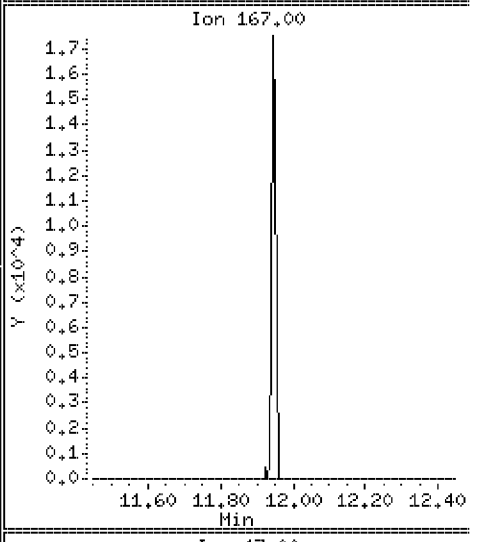
125 Di-n-octylphthalate

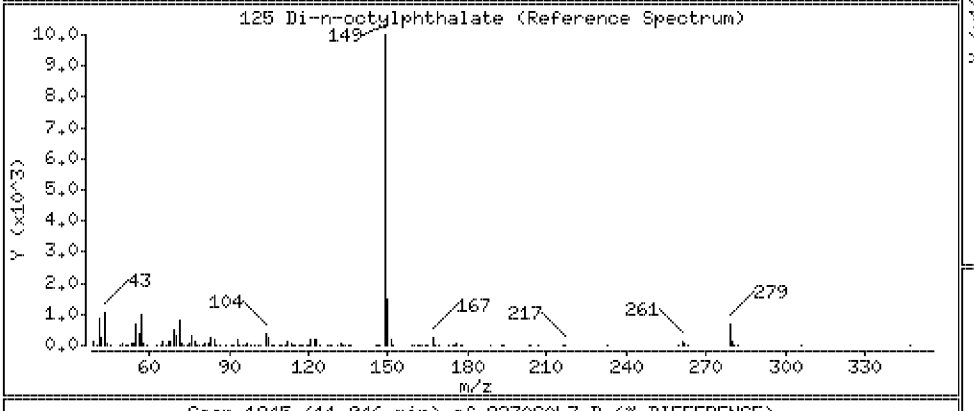
Concentration: 20.3 ug/l

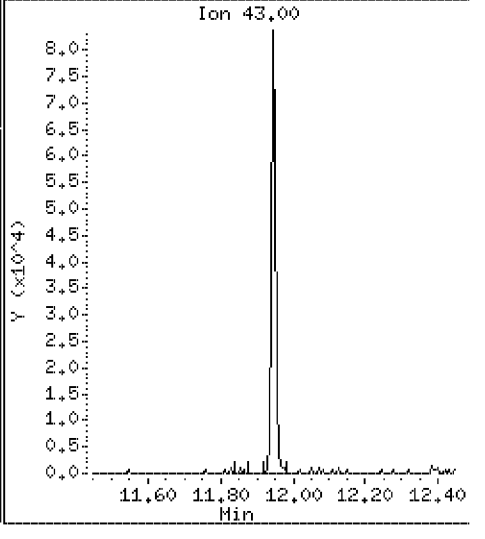


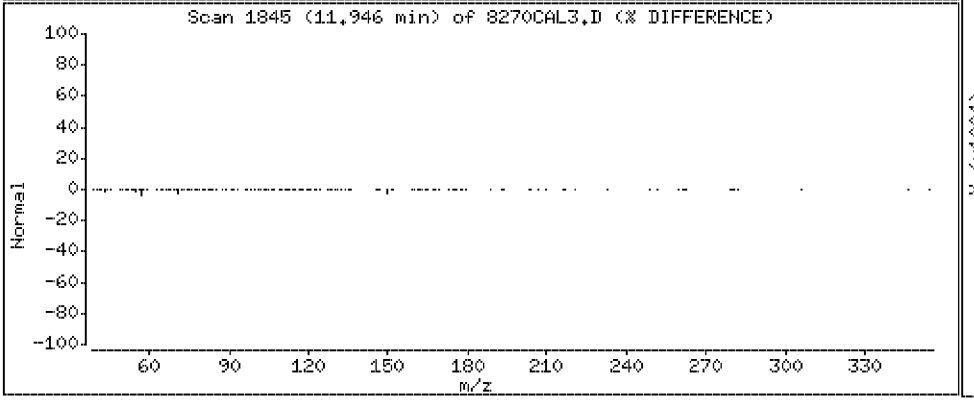












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

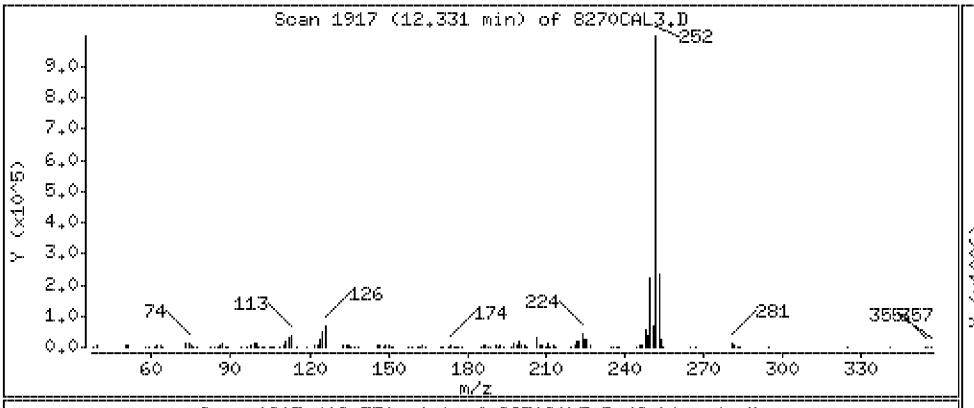
Operator: PEL

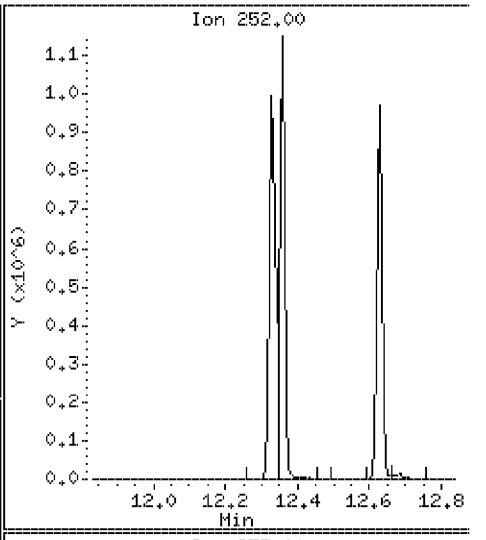
Column phase: HPMS-5

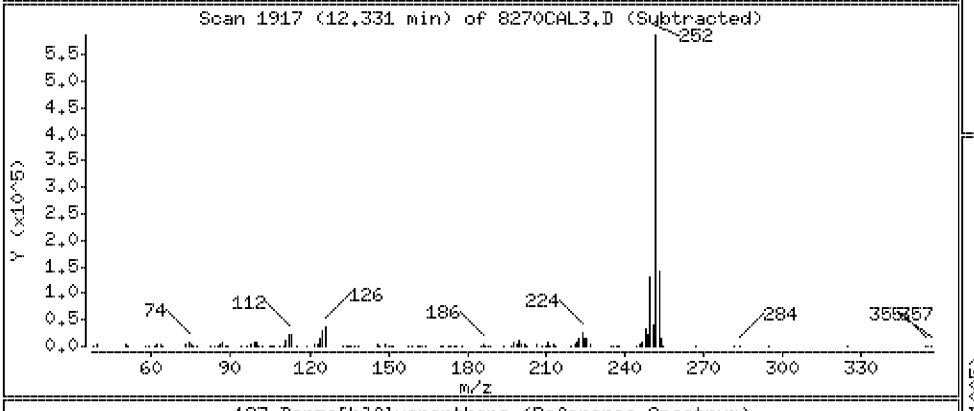
Column diameter: 0.25

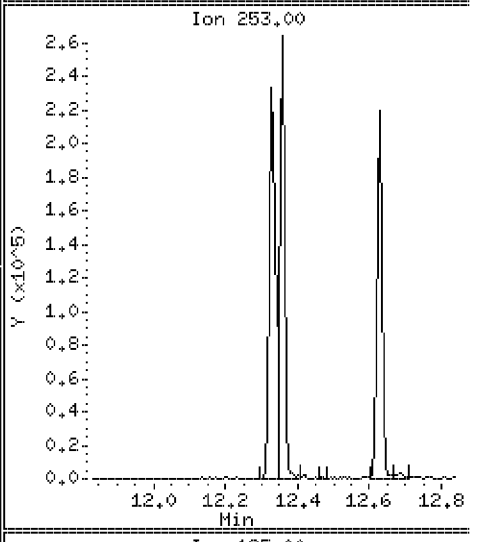
127 Benzo[b]fluoranthene

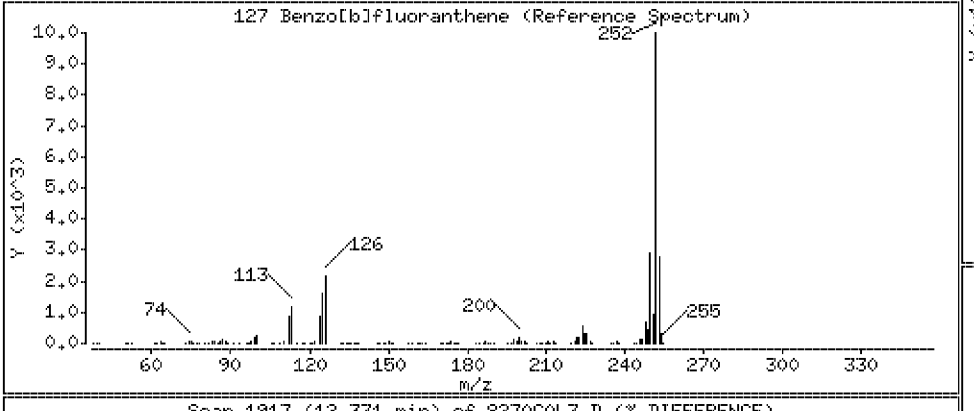
Concentration: 20.2 ug/l

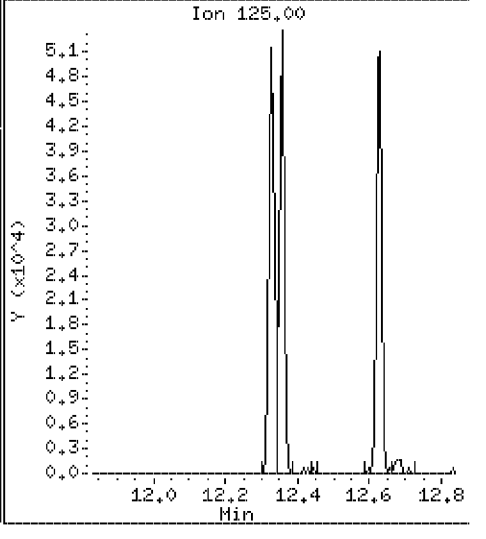


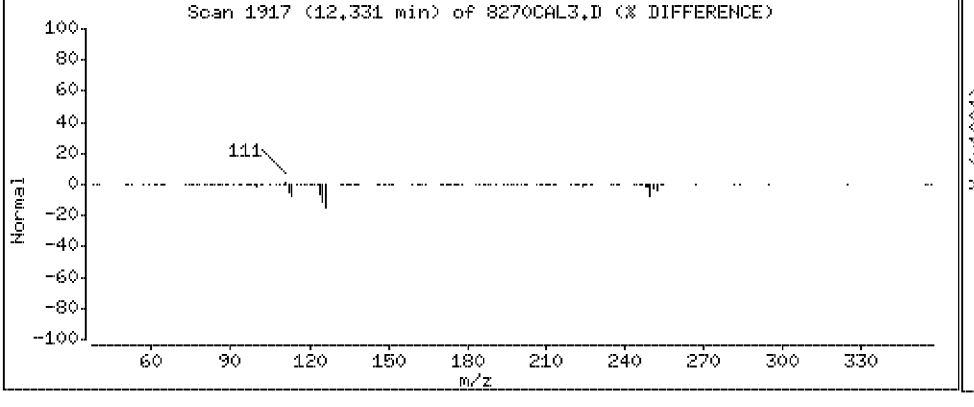












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

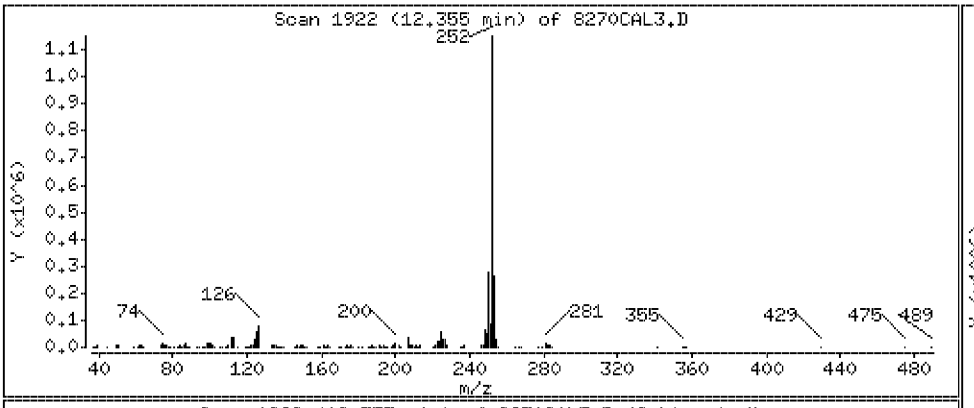
Operator: PEL

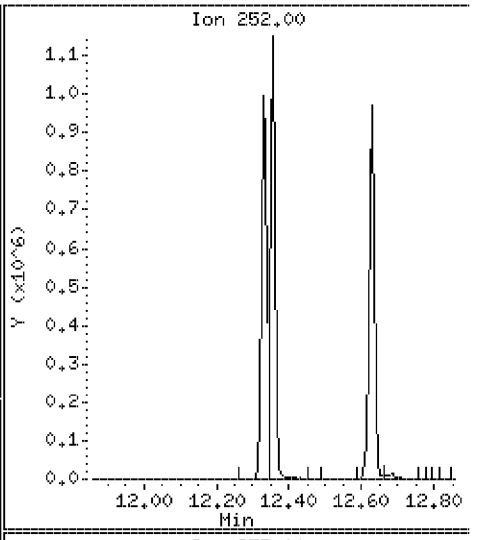
Column phase: HPMS-5

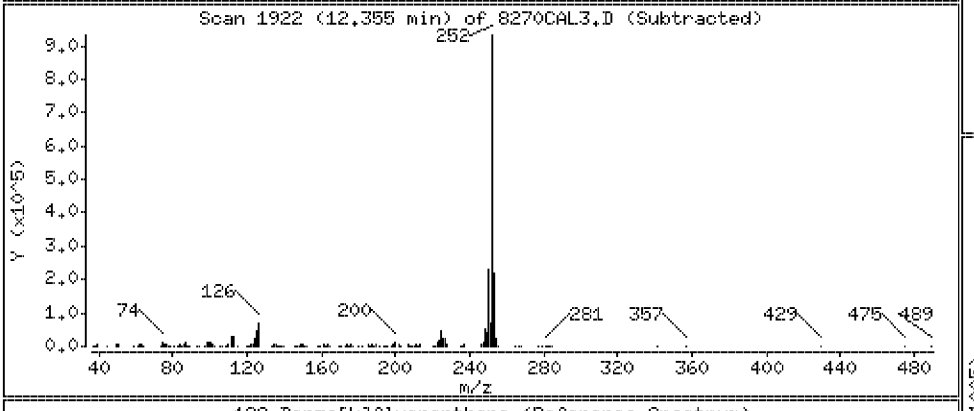
Column diameter: 0.25

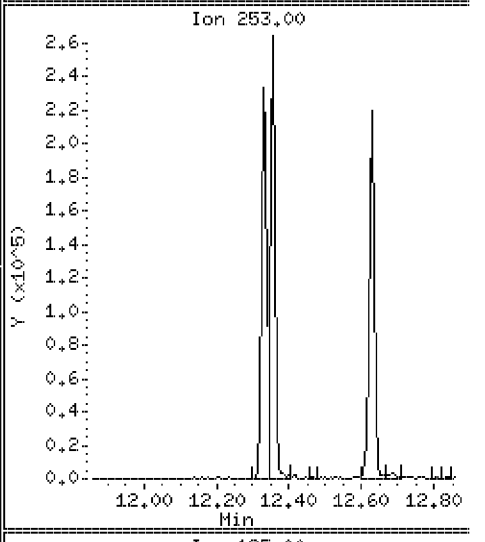
128 Benzo[k]fluoranthene

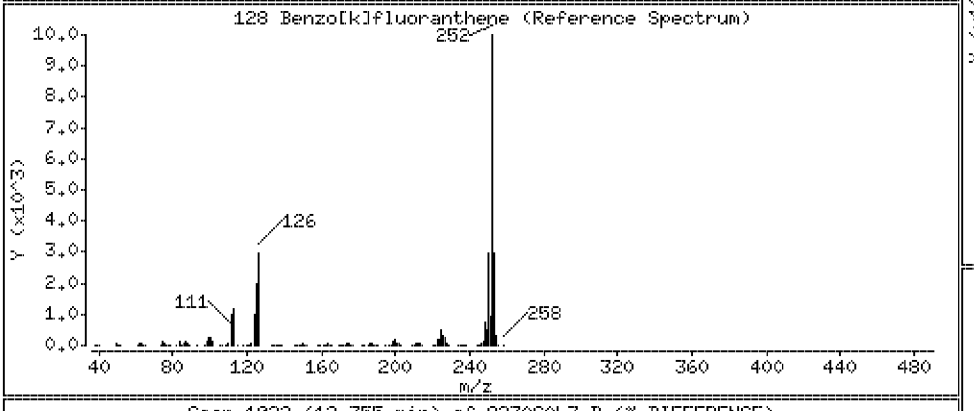
Concentration: 20.3 ug/l

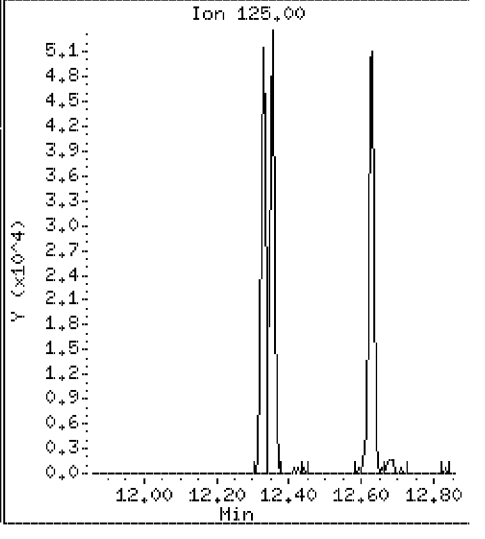


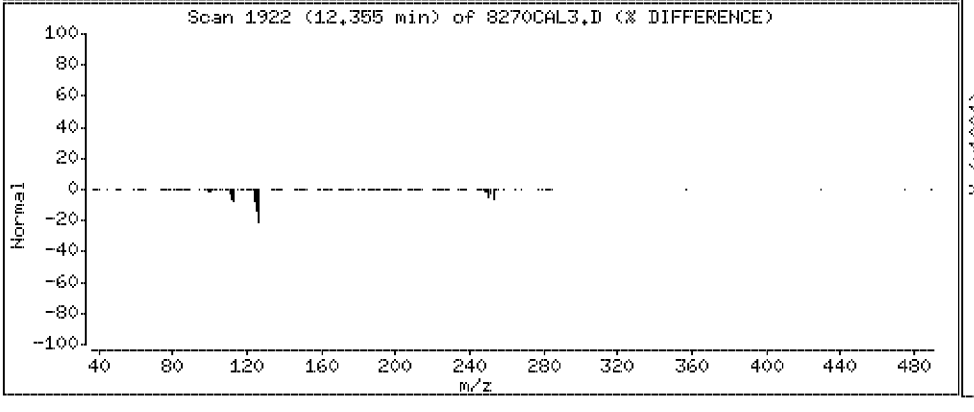












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

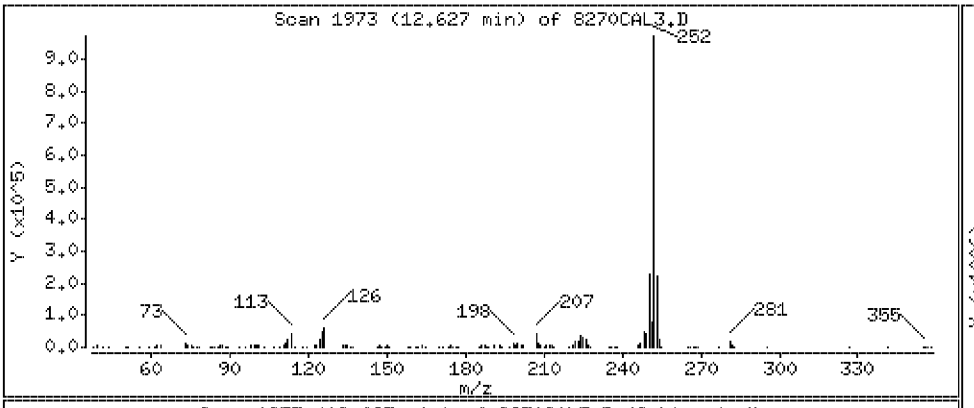
Operator: PEL

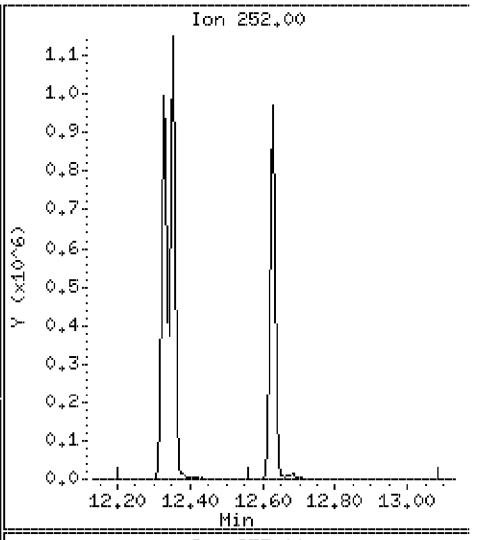
Column phase: HPMS-5

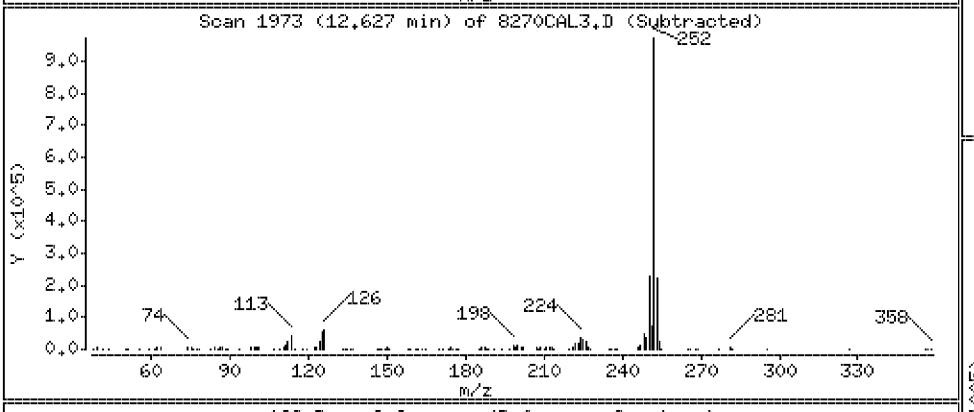
Column diameter: 0.25

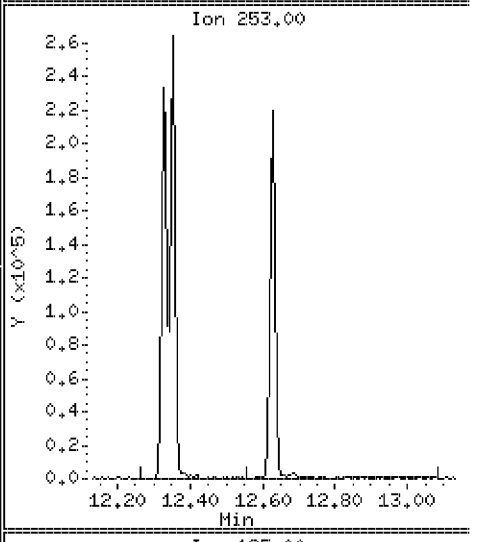
129 Benzo[a]pyrene

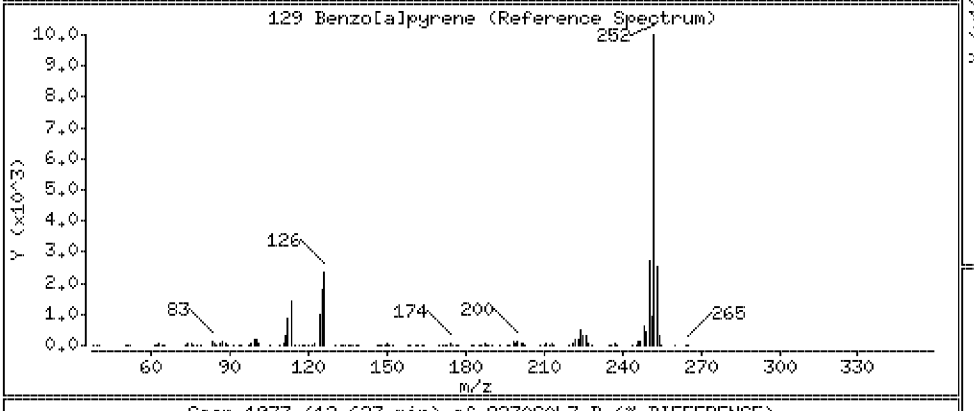
Concentration: 20.4 ug/l

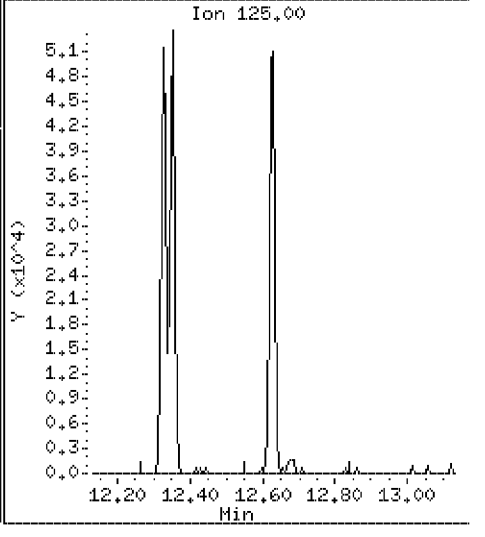


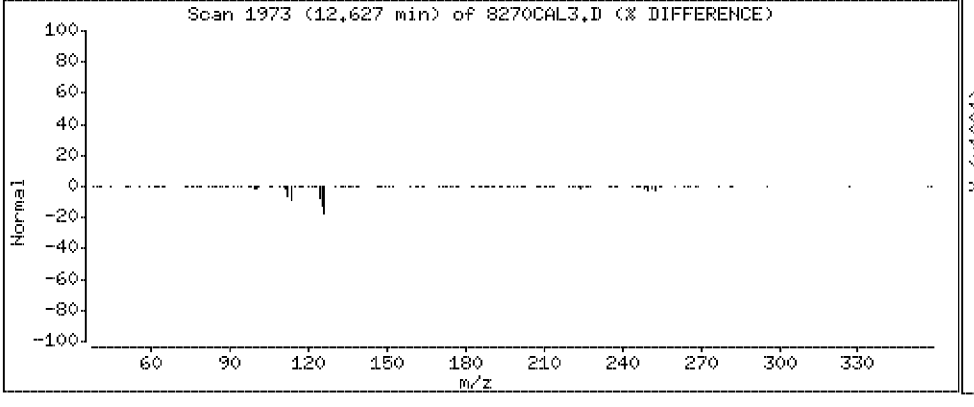












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

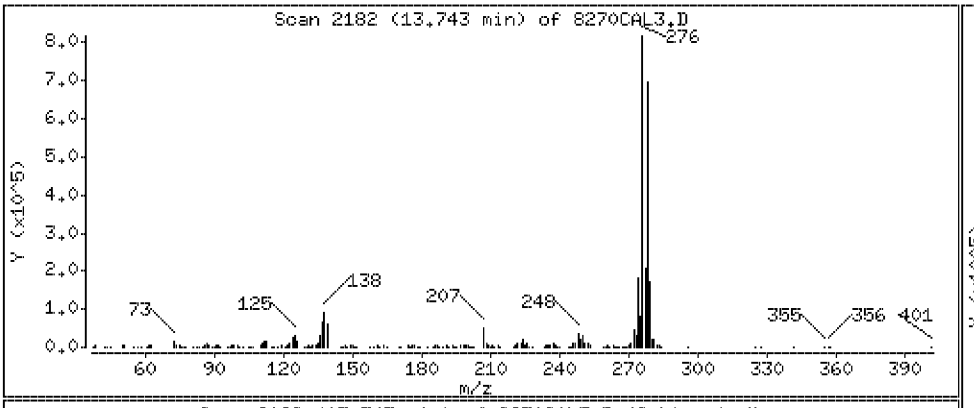
Operator: PEL

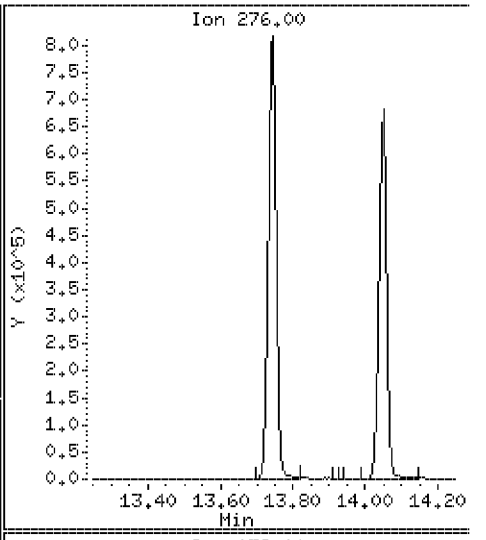
Column phase: HPMS-5

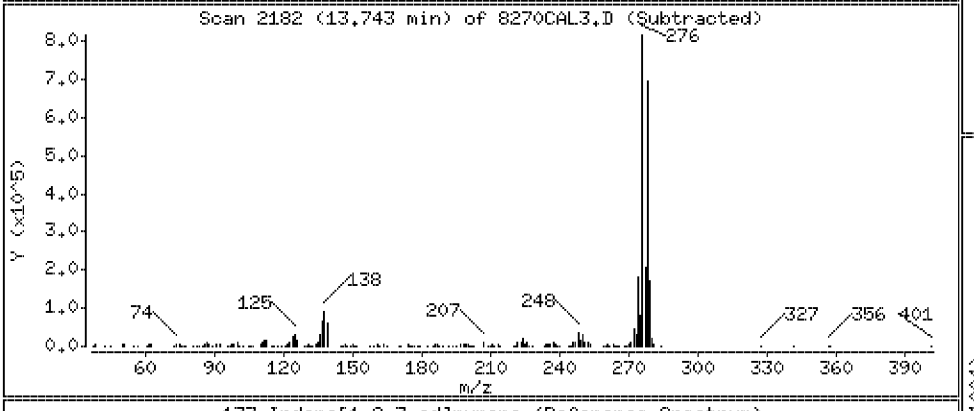
Column diameter: 0.25

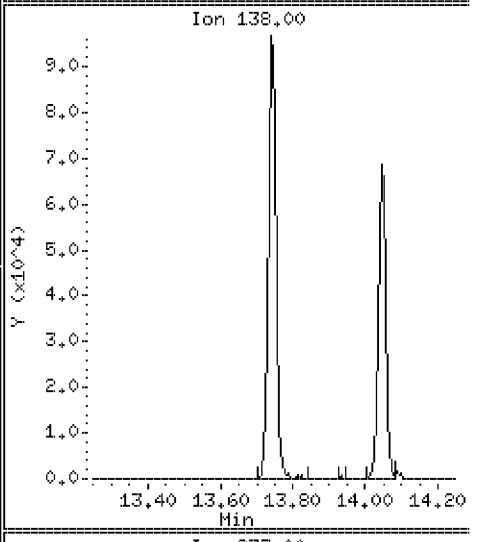
133 Indeno[1,2,3-cd]pyrene

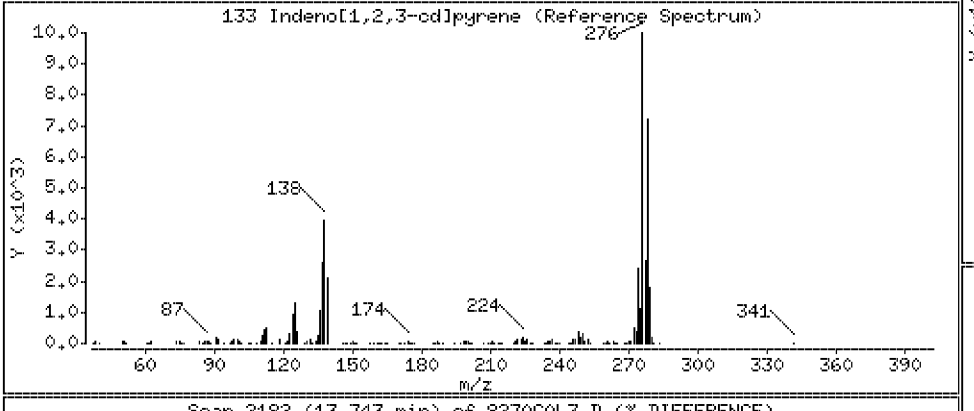
Concentration: 20.4 ug/l

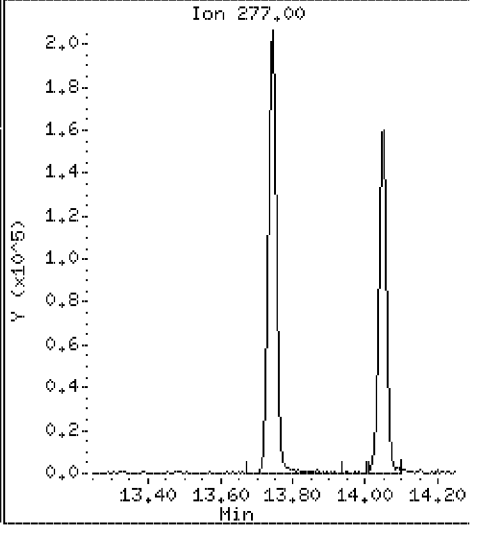


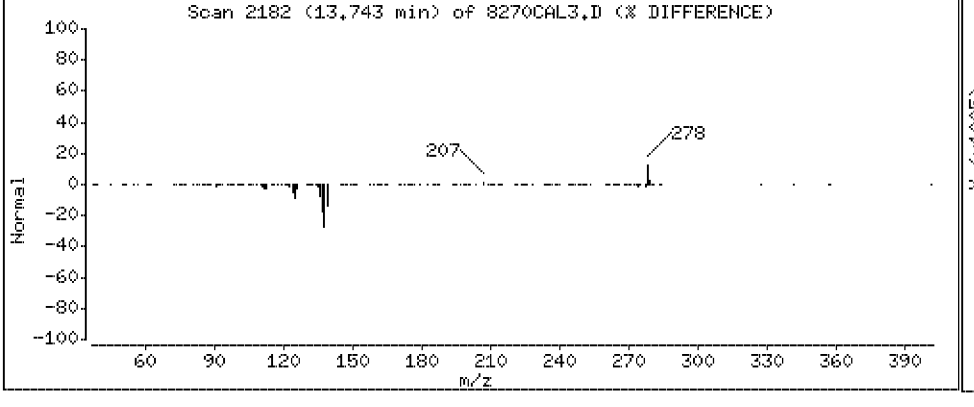












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

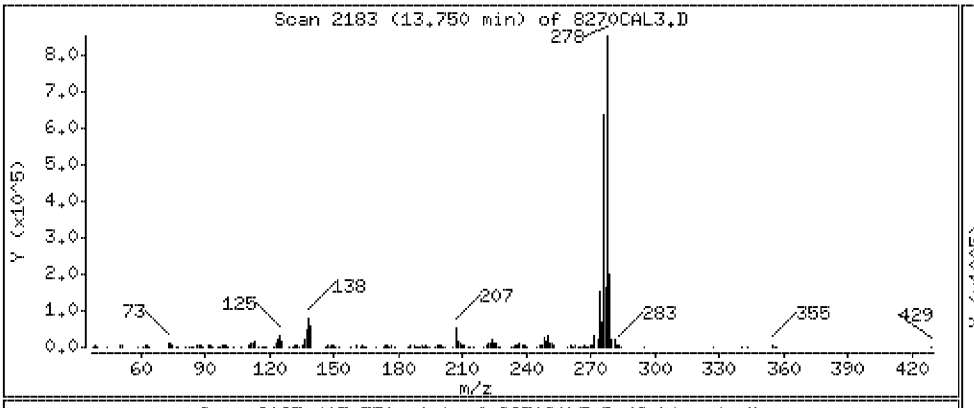
Operator: PEL

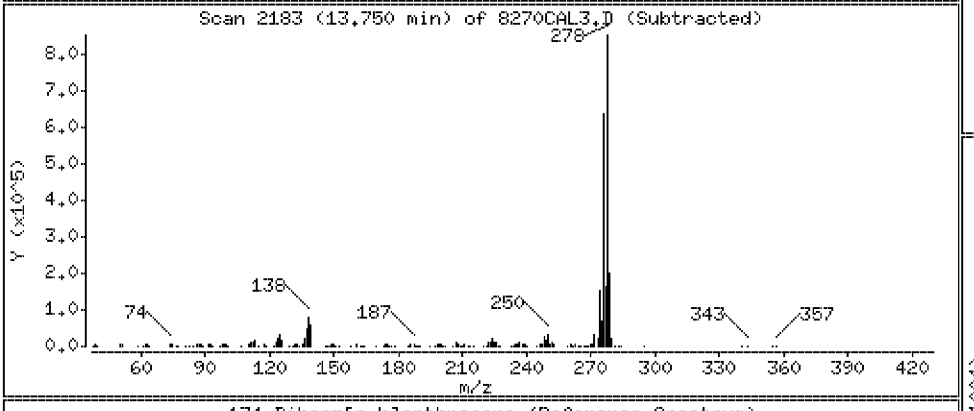
Column phase: HPMS-5

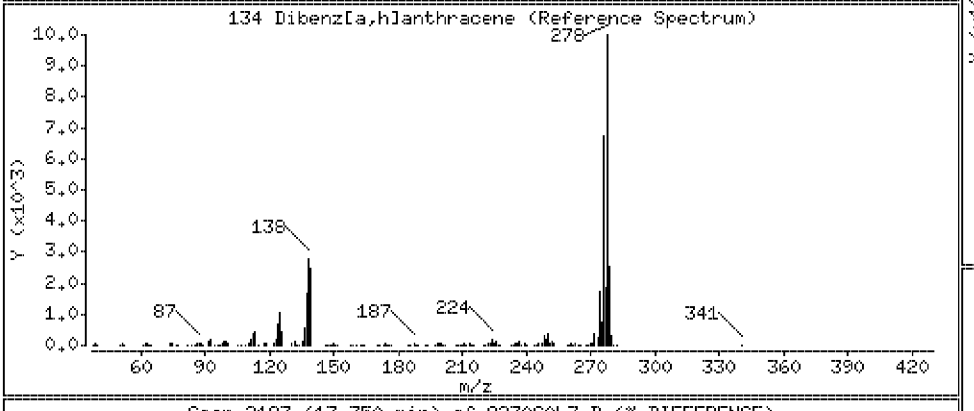
Column diameter: 0.25

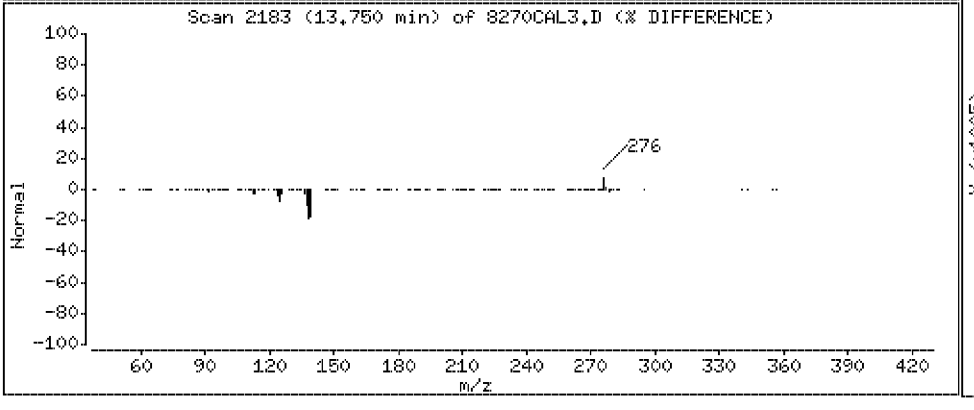
134 Dibenz[a,h]anthracene

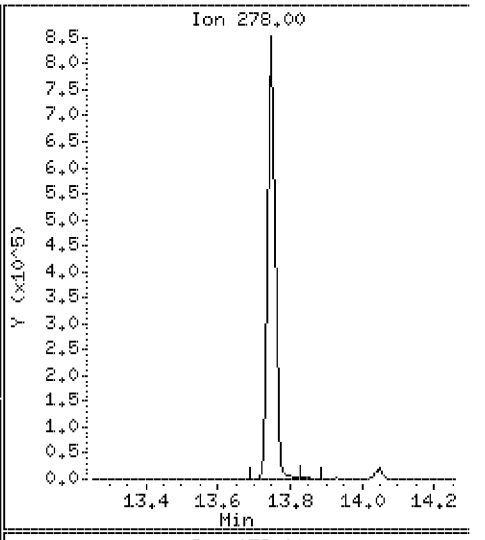
Concentration: 20.3 ug/l

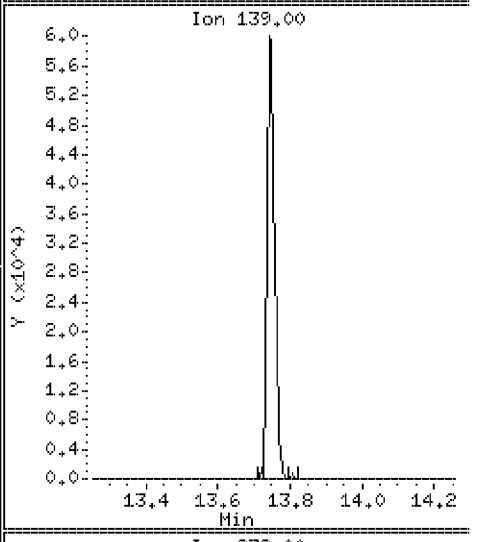


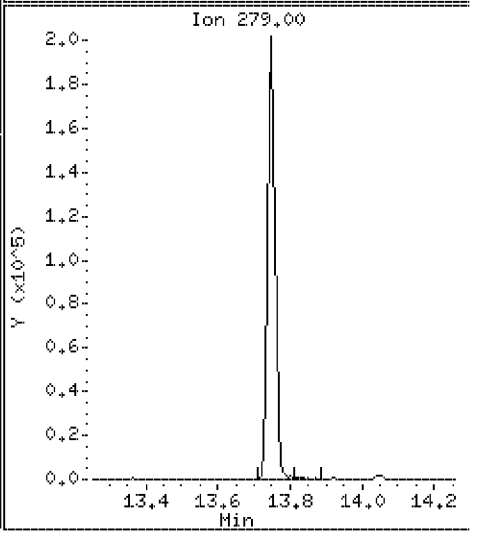












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL3.D

Date : 23-APR-2012 11:58

Client ID: 8270CAL3

Instrument: smsd03.i

Sample Info: 45925

Purge Volume: 1000.0

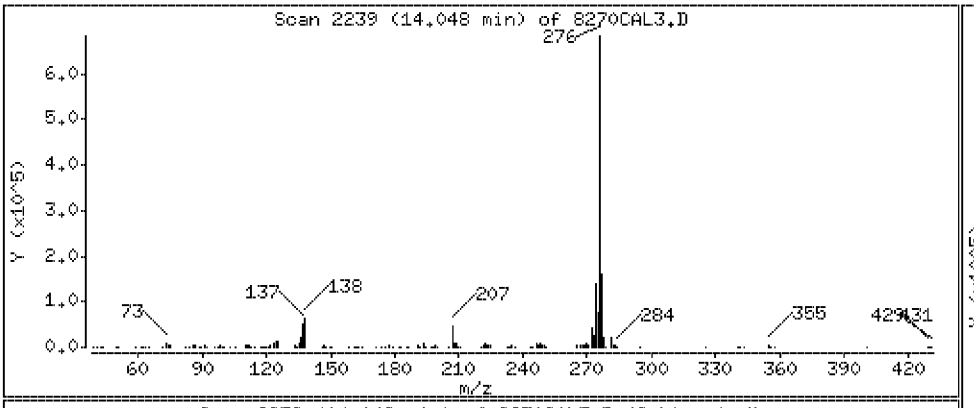
Operator: PEL

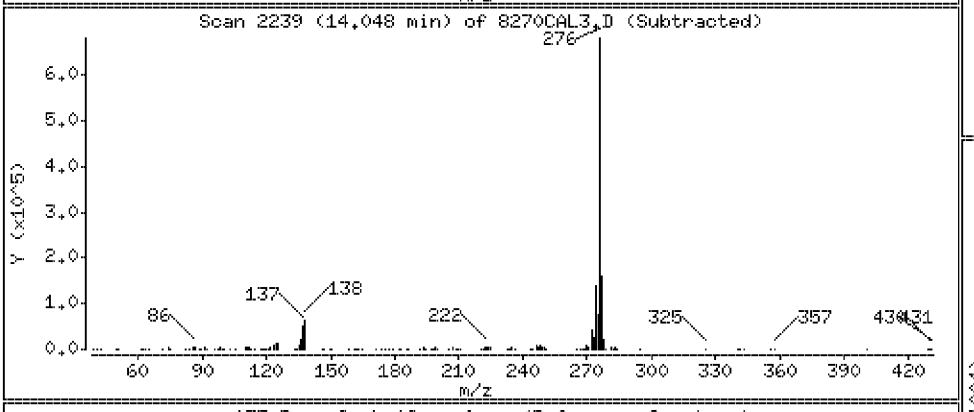
Column phase: HPMS-5

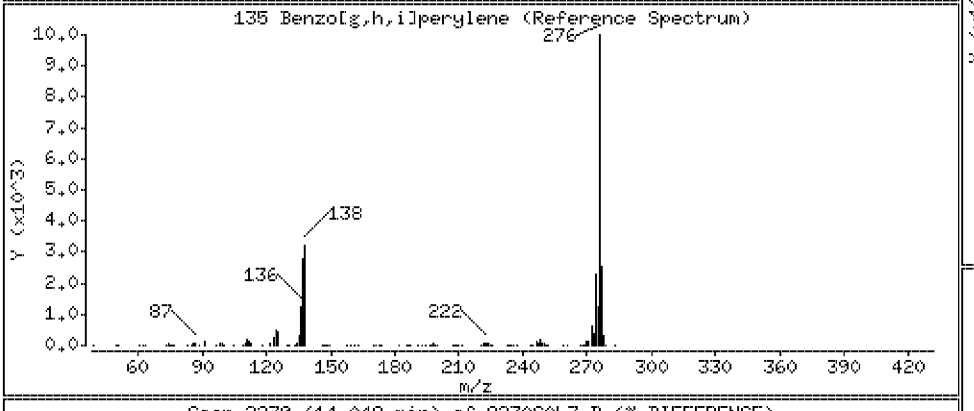
Column diameter: 0.25

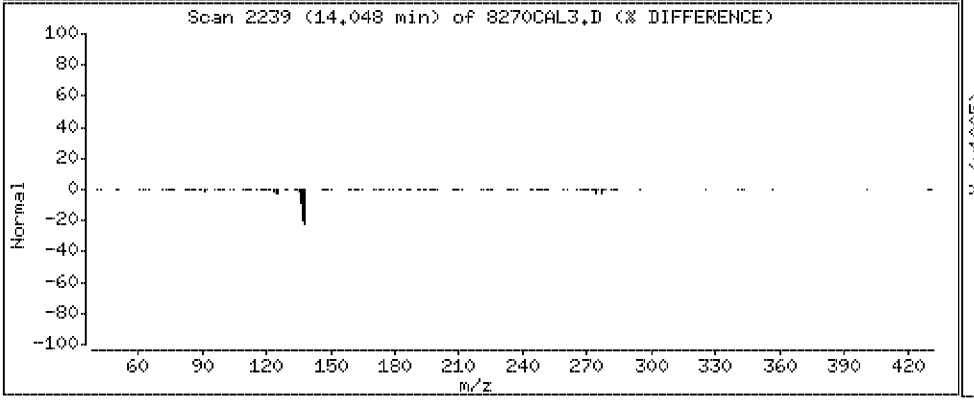
135 Benzo[g,h,i]perylene

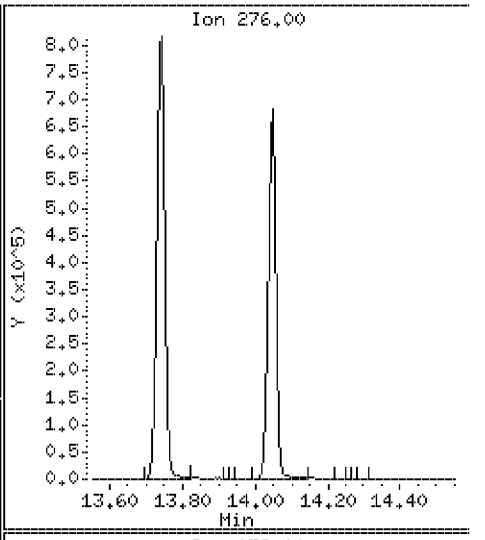
Concentration: 21.6 ug/l

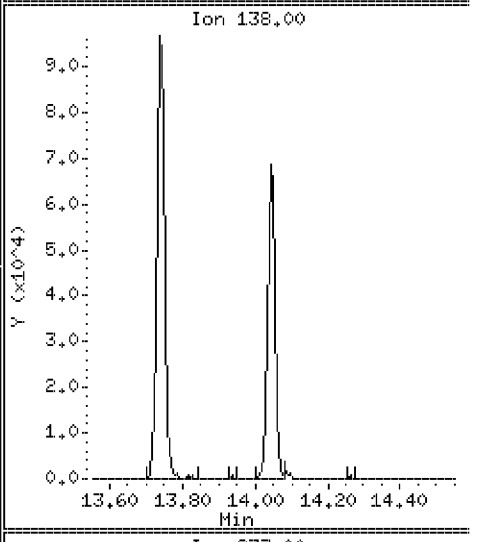


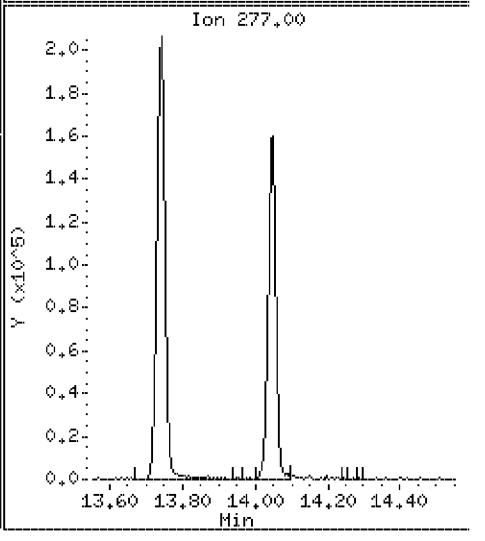












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D
Lab Smp Id: 45926 Client Smp ID: 8270CAL2
Inj Date : 23-APR-2012 12:21 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45926
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 12:21 Cal File: 8270CAL2.D
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO	
2 Pyridine							CAS #: 110-86-1			
	2.392	2.381 (0.538)		79	117814	10.0000	9.6	80.00- 120.00	100.00	(M)
	2.394	2.381 (0.538)		52	42110			7.01- 67.01	35.74	
M 16 Cresols (Total)							CAS #: 1319-77-3			
					192260	20.0000				(a)
1 N-Nitrosodimethylamine							CAS #: 62-75-9			
	2.341	2.338 (0.527)		42	56981	10.0000	10.3	80.00- 120.00	100.00	
	2.341	2.338 (0.526)		74	72517			112.35- 172.35	127.27	
	2.340	2.338 (0.526)		44	4292			0.00- 34.21	7.53	
$ 6 2-Fluorophenol (SURR)							CAS #: 367-12-4			
	3.386	3.383 (0.761)		112	176705	20.0000	18.8	80.00- 120.00	100.00	
	3.386	3.383 (0.761)		64	111416			33.15- 93.15	63.05	
$ 11 Phenol-d5 (SURR)							CAS #: 4165-62-2			
	4.139	4.139 (0.931)		99	234653	20.0000	18.6	80.00- 120.00	100.00	
	4.139	4.139 (0.931)		42	47763			0.00- 48.89	20.35	
	4.139	4.139 (0.931)		71	128843			23.76- 83.76	54.91	
13 Phenol							CAS #: 108-95-2			
	4.151	4.151 (0.933)		94	129473	10.0000	9.0	80.00- 120.00	100.00	

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
13 Phenol (continued)								
4.157	4.151	(0.935)	65	80899			31.39- 91.39	62.48
4.159	4.151	(0.935)	66	152432			81.48- 141.48	117.73
10 Aniline						CAS #: 62-53-3		
4.165	4.166	(0.936)	93	144173	10.0000	9.5	80.00- 120.00	100.00
4.157	4.166	(0.935)	65	80895			26.91- 86.91	56.11
4.159	4.166	(0.935)	66	152429			73.34- 133.34	105.73
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.206	4.210	(0.946)	93	87919	10.0000	9.8	80.00- 120.00	100.00
4.206	4.210	(0.946)	63	64914			42.30- 102.30	73.83
4.206	4.210	(0.946)	95	25778			1.53- 61.53	29.32
15 2-Chlorophenol						CAS #: 95-57-8		
4.277	4.278	(0.962)	128	85875	10.0000	9.1	80.00- 120.00	100.00
4.277	4.278	(0.962)	64	49105			20.72- 80.72	57.18
4.277	4.278	(0.962)	130	30354			2.39- 62.39	35.35
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.400	4.401	(0.990)	146	104784	10.0000	9.1	80.00- 120.00	100.00
4.400	4.401	(0.989)	148	73832			36.16- 96.16	70.46
4.400	4.401	(0.989)	111	50145			16.14- 76.14	47.86
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.447	4.448	(1.000)	152	325790	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	204577			32.20- 92.20	62.79
4.447	4.448	(1.000)	150	499662			139.77- 199.77	153.37
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.461	4.462	(1.003)	146	116078	10.0000	9.5	80.00- 120.00	100.00
4.461	4.462	(1.003)	148	73293			38.09- 98.09	63.14
4.461	4.462	(1.003)	111	57290			14.50- 74.50	49.35
21 Benzyl alcohol						CAS #: 100-51-6		
4.563	4.567	(1.026)	108	58008	10.0000	9.0	80.00- 120.00	100.00
4.563	4.567	(1.026)	79	104394			152.29- 212.29	179.96
4.563	4.567	(1.026)	77	75813			97.26- 157.26	130.69
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.599	4.599	(1.034)	146	107760	10.0000	9.7	80.00- 120.00	100.00
4.599	4.599	(1.034)	148	72790			38.32- 98.32	67.55
4.598	4.599	(1.034)	111	49155			18.14- 78.14	45.62
22 2-Methylphenol						CAS #: 95-48-7		
4.671	4.671	(1.050)	107	77780	10.0000	9.1	80.00- 120.00	100.00
4.671	4.671	(1.050)	108	86295			82.43- 142.43	110.95
4.672	4.671	(1.050)	79	67032			55.43- 115.43	86.18
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.675	4.675	(1.051)	45	57778	10.0000	9.2	80.00- 120.00	100.00
4.671	4.675	(1.050)	77	76782			102.98- 162.98	132.89
4.676	4.675	(1.051)	121	30188			24.22- 84.22	52.25

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	28 4-Methylphenol						CAS #: 106-44-5	
4.806	4.808 (1.081)	107	114480	10.0000		9.3	80.00- 120.00	100.00
4.806	4.808 (1.081)	108	89754				50.54- 110.54	78.40
4.806	4.808 (1.081)	79	37802				2.76- 62.76	33.02
	26 N-Nitrosodinpropylamine						CAS #: 621-64-7	
4.794	4.798 (1.078)	70	88633	10.0000		9.2	80.00- 120.00	100.00
4.793	4.798 (1.078)	42	34248				6.87- 66.87	38.64
4.794	4.798 (1.078)	130	16601				0.00- 49.23	18.73
	30 Hexachloroethane						CAS #: 67-72-1	
4.901	4.902 (1.102)	117	45046	10.0000		9.4	80.00- 120.00	100.00
4.902	4.902 (1.102)	201	53801				90.07- 150.07	119.44
4.901	4.902 (1.102)	199	31943				43.69- 103.69	70.91
$	31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0	
4.941	4.944 (0.881)	82	138346	10.0000		9.5	80.00- 120.00	100.00
4.941	4.944 (0.881)	128	45448				2.76- 62.76	32.85
4.941	4.944 (0.881)	54	54200				7.08- 67.08	39.18
	32 Nitrobenzene						CAS #: 98-95-3	
4.958	4.962 (0.884)	77	140775	10.0000		9.8	80.00- 120.00	100.00
4.959	4.962 (0.884)	123	44372				4.18- 64.18	31.52
4.957	4.962 (0.884)	65	20119				0.00- 45.17	14.29
	34 Isophorone						CAS #: 78-59-1	
5.172	5.176 (0.922)	82	165809	10.0000		9.9	80.00- 120.00	100.00
5.172	5.176 (0.922)	138	26382				0.00- 46.29	15.91
5.172	5.176 (0.922)	95	13819				0.00- 39.21	8.33
	35 2-Nitrophenol						CAS #: 88-75-5	
5.251	5.253 (0.936)	139	50516	10.0000		9.5	80.00- 120.00	100.00
5.252	5.253 (0.936)	65	36508				43.34- 103.34	72.27
5.253	5.253 (0.937)	109	24010				20.91- 80.91	47.53
	36 2,4-Dimethylphenol						CAS #: 105-67-9	
5.291	5.294 (0.943)	122	77972	10.0000		9.6	80.00- 120.00	100.00
5.291	5.294 (0.943)	107	110410				111.45- 171.45	141.60
5.291	5.294 (0.943)	121	45280				28.89- 88.89	58.07
	38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1	
5.367	5.369 (0.957)	93	112726	10.0000		9.5	80.00- 120.00	100.00
5.367	5.369 (0.957)	95	36561				3.06- 63.06	32.43
5.367	5.369 (0.957)	123	13946				0.00- 44.40	12.37
	40 Benzoic Acid						CAS #: 65-85-0	
5.361	5.404 (0.956)	122	37071	10.0000		10.2	80.00- 120.00	100.00
5.360	5.404 (0.956)	105	52602				107.67- 167.67	141.90
5.359	5.404 (0.955)	77	49316				104.37- 164.37	133.03
	41 2,4-Dichlorophenol						CAS #: 120-83-2	
5.489	5.490 (0.979)	162	93409	10.0000		9.7	80.00- 120.00	100.00
5.489	5.490 (0.979)	164	60477				36.50- 96.50	64.74

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol (continued)								
5.489	5.490	(0.979)	98	31227			5.73- 65.73	33.43
42 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
5.553	5.555	(0.990)	180	115792	10.0000	9.6	80.00- 120.00	100.00
5.553	5.555	(0.990)	182	110628			67.47- 127.47	95.54
5.553	5.555	(0.990)	145	31799			0.00- 58.13	27.46
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.608	5.610	(1.000)	136	1075529	40.0000		80.00- 120.00	100.00
5.608	5.610	(1.000)	68	59841			0.00- 35.51	5.56
44 Naphthalene						CAS #: 91-20-3		
5.628	5.630	(1.004)	128	265795	10.0000	9.6	80.00- 120.00	100.00
5.627	5.630	(1.003)	129	31606			0.00- 41.28	11.89
5.628	5.630	(1.004)	127	33601			0.00- 43.27	12.64
45 4-Chloroaniline						CAS #: 106-47-8		
5.679	5.681	(1.013)	127	109943	10.0000	9.5	80.00- 120.00	100.00
5.680	5.681	(1.013)	129	36071			2.39- 62.39	32.81
5.679	5.681	(1.012)	65	45243			11.54- 71.54	41.15
48 Hexachlorobutadiene						CAS #: 87-68-3		
5.745	5.746	(1.024)	225	84668	10.0000	9.2	80.00- 120.00	100.00
5.745	5.746	(1.024)	223	52820			32.02- 92.02	62.38
5.746	5.746	(1.024)	227	56330			34.54- 94.54	66.53
51 4-Chloro-3-methylphenol						CAS #: 59-50-7		
6.159	6.158	(1.098)	107	86400	10.0000	9.3	80.00- 120.00	100.00
6.160	6.158	(1.098)	144	21565			0.00- 55.95	24.96
6.160	6.158	(1.098)	142	64604			44.47- 104.47	74.77
53 2-Methylnaphthalene						CAS #: 91-57-6		
6.287	6.289	(1.121)	142	188199	10.0000	9.4	80.00- 120.00	100.00
6.287	6.289	(1.121)	141	164214			58.08- 118.08	87.26
54 1-Methylnaphthalene						CAS #: 90-12-0		
6.384	6.385	(1.138)	142	170609	10.0000	9.4	80.00- 120.00	100.00
6.384	6.385	(1.138)	141	153523			61.72- 121.72	89.99
55 Hexachlorocyclopentadiene						CAS #: 77-47-4		
6.444	6.445	(0.882)	237	104789	10.0000	9.1	80.00- 120.00	100.00
6.443	6.445	(0.882)	235	63938			33.37- 93.37	61.02
6.444	6.445	(0.882)	272	13301			0.00- 43.74	12.69
57 2,4,6-Trichlorophenol						CAS #: 88-06-2		
6.623	6.620	(0.907)	196	84655	10.0000	9.3	80.00- 120.00	100.00
6.623	6.620	(0.907)	198	79539			67.07- 127.07	93.96
6.623	6.620	(0.907)	200	25120			1.30- 61.30	29.67
58 2,4,5-Trichlorophenol						CAS #: 95-95-4		
6.569	6.570	(0.899)	196	80115	10.0000	9.5	80.00- 120.00	100.00
6.569	6.570	(0.899)	198	78540			69.46- 129.46	98.03

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.568	6.570 (0.899)		97	48843			34.72- 94.72	60.97
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.642	6.644 (0.909)		172	270083	10.0000	9.5	80.00- 120.00	100.00
6.641	6.644 (0.909)		171	91008			5.03- 65.03	33.70
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.760	6.763 (0.926)		162	201795	10.0000	9.4	80.00- 120.00	100.00
6.760	6.763 (0.926)		164	66654			4.20- 64.20	33.03
6.760	6.763 (0.926)		127	77623			7.85- 67.85	38.47
63 2-Nitroaniline						CAS #: 88-74-4		
6.864	6.869 (0.940)		65	70973	10.0000	9.6	80.00- 120.00	100.00
6.865	6.869 (0.940)		92	41821			30.25- 90.25	58.93
6.865	6.869 (0.940)		138	56698			52.43- 112.43	79.89
65 Dimethylphthalate						CAS #: 131-11-3		
7.035	7.040 (0.963)		163	240332	10.0000	9.8	80.00- 120.00	100.00
7.036	7.040 (0.963)		194	13665			0.00- 35.55	5.69
7.035	7.040 (0.963)		164	25443			0.00- 40.55	10.59
68 Acenaphthylene						CAS #: 208-96-8		
7.164	7.167 (0.981)		152	303182	10.0000	9.6	80.00- 120.00	100.00
7.164	7.167 (0.981)		151	60048			0.00- 50.50	19.81
7.165	7.167 (0.981)		153	40860			0.00- 43.76	13.48
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.096	7.100 (0.972)		165	52360	10.0000	9.4	80.00- 120.00	100.00
7.095	7.100 (0.971)		89	39177			49.02- 109.02	74.82
7.095	7.100 (0.971)		63	39475			44.86- 104.86	75.39
69 3-Nitroaniline						CAS #: 99-09-2		
7.266	7.271 (0.995)		138	46536	10.0000	9.4	80.00- 120.00	100.00
7.267	7.271 (0.995)		108	4562			0.00- 41.32	9.80
7.265	7.271 (0.995)		92	59663			100.05- 160.05	128.21
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.303	7.305 (1.000)		164	731402	40.0000		80.00- 120.00	100.00
7.303	7.305 (1.000)		162	692553			64.73- 124.73	94.69
7.304	7.305 (1.000)		160	316009			12.46- 72.46	43.21
71 Acenaphthene						CAS #: 83-32-9		
7.334	7.338 (1.004)		154	180453	10.0000	9.4	80.00- 120.00	100.00
7.334	7.338 (1.004)		153	193707			78.46- 138.46	107.34
7.334	7.338 (1.004)		152	94915			23.44- 83.44	52.60
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.366	7.369 (1.009)		184	17282	10.0000	11.1	80.00- 120.00	100.00
7.365	7.369 (1.008)		63	13239			48.07- 108.07	76.61
7.366	7.369 (1.009)		154	12100			39.61- 99.61	70.02
74 4-Nitrophenol						CAS #: 100-02-7		
7.481	7.476 (1.024)		109	51452	10.0000	9.6	80.00- 120.00	100.00(Q)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.502	7.476	(1.027)	139	156610			26.63- 86.63	304.38
7.481	7.476	(1.024)	65	54818			81.59- 141.59	106.54
	75 Dibenzofuran					CAS #: 132-64-9		
7.503	7.506	(1.027)	168	299779	10.0000	9.6	80.00- 120.00	100.00
7.502	7.506	(1.027)	139	156612			12.75- 72.75	52.24
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.489	7.494	(1.025)	165	72890	10.0000	9.3	80.00- 120.00	100.00
7.488	7.494	(1.025)	63	83374			82.10- 142.10	114.38
7.489	7.494	(1.025)	89	75500			72.08- 132.08	103.58
	80 Diethylphthalate					CAS #: 84-66-2		
7.723	7.729	(1.057)	149	223925	10.0000	9.8	80.00- 120.00	100.00
7.724	7.729	(1.058)	177	50913			0.00- 53.36	22.74
7.723	7.729	(1.057)	150	28131			0.00- 42.43	12.56
	81 Fluorene					CAS #: 86-73-7		
7.838	7.841	(1.073)	166	245687	10.0000	9.1	80.00- 120.00	100.00
7.838	7.841	(1.073)	165	231763			65.55- 125.55	94.33
7.838	7.841	(1.073)	167	33781			0.00- 44.15	13.75
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.835	7.838	(1.073)	204	143908	10.0000	8.8	80.00- 120.00	100.00
7.836	7.838	(1.073)	206	47162			4.27- 64.27	32.77
7.835	7.838	(1.073)	141	79715			24.97- 84.97	55.39
	84 4-Nitroaniline					CAS #: 100-01-6		
7.865	7.874	(1.077)	138	39746	10.0000	9.3	80.00- 120.00	100.00
7.863	7.874	(1.077)	92	24371			38.02- 98.02	61.32
7.864	7.874	(1.077)	108	59332			124.92- 184.92	149.28
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.889	7.896	(0.901)	198	41398	10.0000	10.4	80.00- 120.00	100.00
7.886	7.896	(0.900)	51	15315			6.77- 66.77	36.99
7.888	7.896	(0.901)	105	15920			8.50- 68.50	38.46
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.952	7.956	(0.908)	169	165449	10.0000	9.7	80.00- 120.00	100.00
7.952	7.956	(0.908)	168	101318			36.61- 96.61	61.24
7.952	7.956	(0.908)	167	61129			4.62- 64.62	36.95
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.990	7.992	(1.094)	77	265289	10.0000	10.1	80.00- 120.00	100.00
7.990	7.992	(1.094)	105	32725			0.00- 43.34	12.34
7.991	7.992	(1.094)	182	63773			0.00- 56.11	24.04
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.079	8.083	(1.106)	330	95369	20.0000	18.7	80.00- 120.00	100.00
8.079	8.083	(1.106)	332	91661			66.43- 126.43	96.11
8.077	8.083	(1.106)	141	36374			9.24- 69.24	38.14

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.315	8.318	(0.949)	248	92104	10.0000	9.3	80.00- 120.00	100.00
8.315	8.318	(0.949)	250	89518			67.36- 127.36	97.19
8.314	8.318	(0.949)	141	58171			35.77- 95.77	63.16
94 Hexachlorobenzene							CAS #: 118-74-1	
8.383	8.387	(0.957)	284	102013	10.0000	9.0	80.00- 120.00	100.00
8.381	8.387	(0.957)	142	31148			2.39- 62.39	30.53
8.382	8.387	(0.957)	249	31275			0.06- 60.06	30.66
96 Pentachlorophenol							CAS #: 87-86-5	
8.582	8.585	(0.980)	266	52387	10.0000	7.8	80.00- 120.00	100.00
8.582	8.585	(0.980)	264	33999			33.70- 93.70	64.90
8.582	8.585	(0.980)	268	34223			35.26- 95.26	65.33
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.759	8.761	(1.000)	188	1355574	40.0000		80.00- 120.00	100.00
8.758	8.761	(1.000)	94	84005			0.00- 36.35	6.20
8.758	8.761	(1.000)	80	108315			0.00- 37.82	7.99
101 Phenanthrene							CAS #: 85-01-8	
8.781	8.785	(1.002)	178	341113	10.0000	9.8	80.00- 120.00	100.00
8.781	8.785	(1.003)	179	52815			0.00- 46.33	15.48
8.781	8.785	(1.002)	176	68293			0.00- 50.11	20.02
103 Anthracene							CAS #: 120-12-7	
8.830	8.835	(1.008)	178	337445	10.0000	9.7	80.00- 120.00	100.00
8.830	8.835	(1.008)	179	49534			0.00- 45.97	14.68
8.830	8.835	(1.008)	176	63489			0.00- 49.80	18.81
104 Carbazole							CAS #: 86-74-8	
8.991	8.996	(1.027)	167	289359	10.0000	10	80.00- 120.00	100.00
8.991	8.996	(1.027)	139	37335			0.00- 43.89	12.90
8.990	8.996	(1.026)	83	16588			0.00- 36.17	5.73
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.324	9.327	(1.064)	149	354871	10.0000	9.7	80.00- 120.00	100.00
9.323	9.327	(1.064)	150	32504			0.00- 40.04	9.16
9.324	9.327	(1.064)	104	26410			0.00- 37.79	7.44
109 Fluoranthene							CAS #: 206-44-0	
9.949	9.953	(1.136)	202	390995	10.0000	9.8	80.00- 120.00	100.00
9.948	9.953	(1.136)	101	24636			0.00- 36.69	6.30
9.949	9.953	(1.136)	203	67497			0.00- 48.82	17.26
111 Pyrene							CAS #: 129-00-0	
10.172	10.176	(0.896)	202	414985	10.0000	11.1	80.00- 120.00	100.00
10.172	10.176	(0.896)	200	89614			0.00- 51.88	21.59
10.172	10.176	(0.896)	203	76528			0.00- 49.33	18.44
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.319	10.322	(0.909)	244	385517	10.0000	10.8	80.00- 120.00	100.00
10.317	10.322	(0.909)	122	24452			0.00- 36.72	6.34

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.319	10.322	(0.909)	212	29858			0.00- 38.06	7.74
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.794	10.798	(0.951)	149	162974	10.0000	10.0	80.00- 120.00	100.00
10.794	10.798	(0.951)	91	133733			51.57- 111.57	82.06
10.795	10.798	(0.951)	206	40478			0.00- 55.14	24.84
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.344	11.348	(0.999)	228	487758	10.0000	10.3	80.00- 120.00	100.00
11.344	11.348	(0.999)	229	99444			0.00- 51.57	20.39
11.344	11.348	(0.999)	226	131717			0.00- 58.54	27.00
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1884223	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	111743			0.00- 36.38	5.93
11.355	11.359	(1.000)	236	498193			0.00- 57.06	26.44
123 Chrysene						CAS #: 218-01-9		
11.378	11.384	(1.002)	228	450715	10.0000	10.9	80.00- 120.00	100.00
11.378	11.384	(1.002)	226	134412			1.12- 61.12	29.82
11.378	11.384	(1.002)	229	92214			0.00- 51.74	20.46
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.348	11.350	(0.999)	149	268270	10.0000	9.6	80.00- 120.00	100.00
11.348	11.350	(0.999)	167	79158			2.07- 62.07	29.51
11.349	11.350	(1.000)	279	23293			0.00- 39.24	8.68
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.945	11.948	(0.942)	149	384643	10.0000	9.5	80.00- 120.00	100.00
11.944	11.948	(0.942)	167	5911			0.00- 31.74	1.54
11.944	11.948	(0.942)	43	30190			0.00- 38.21	7.85
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.329	12.333	(0.972)	252	509272	10.0000	10.2	80.00- 120.00	100.00
12.329	12.333	(0.972)	253	101736			0.00- 54.02	19.98
12.327	12.333	(0.972)	125	24539			0.00- 34.93	4.82
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.353	12.359	(0.974)	252	499856	10.0000	10	80.00- 120.00	100.00
12.353	12.359	(0.974)	253	112196			0.00- 53.57	22.45
12.351	12.359	(0.974)	125	23156			0.00- 35.26	4.63
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.626	12.630	(0.996)	252	492957	10.0000	10.1	80.00- 120.00	100.00
12.626	12.630	(0.996)	253	108558			0.00- 54.04	22.02
12.624	12.630	(0.995)	125	24859			0.00- 35.52	5.04
* 130 Perylene-d12						CAS #: 1520-96-3		
12.681	12.682	(1.000)	264	1880614	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	464597			0.00- 54.80	24.70
12.681	12.682	(1.000)	265	445013			0.00- 53.39	23.66

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.740	13.749	(1.083)	276	592745	10.0000	9.7	80.00- 120.00	100.00
13.739	13.749	(1.083)	138	67601			0.00- 42.48	11.40
13.739	13.749	(1.083)	277	151214			0.00- 56.82	25.51
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.746	13.755	(1.084)	278	510618	10.0000	9.6	80.00- 120.00	100.00
13.744	13.755	(1.084)	139	36085			0.00- 37.70	7.07
13.746	13.755	(1.084)	279	119952			0.00- 54.57	23.49
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.042	14.053	(1.107)	276	488208	10.0000	10.5	80.00- 120.00	100.00
14.043	14.053	(1.107)	138	48490			0.00- 40.01	9.93
14.042	14.053	(1.107)	277	116731			0.00- 54.80	23.91

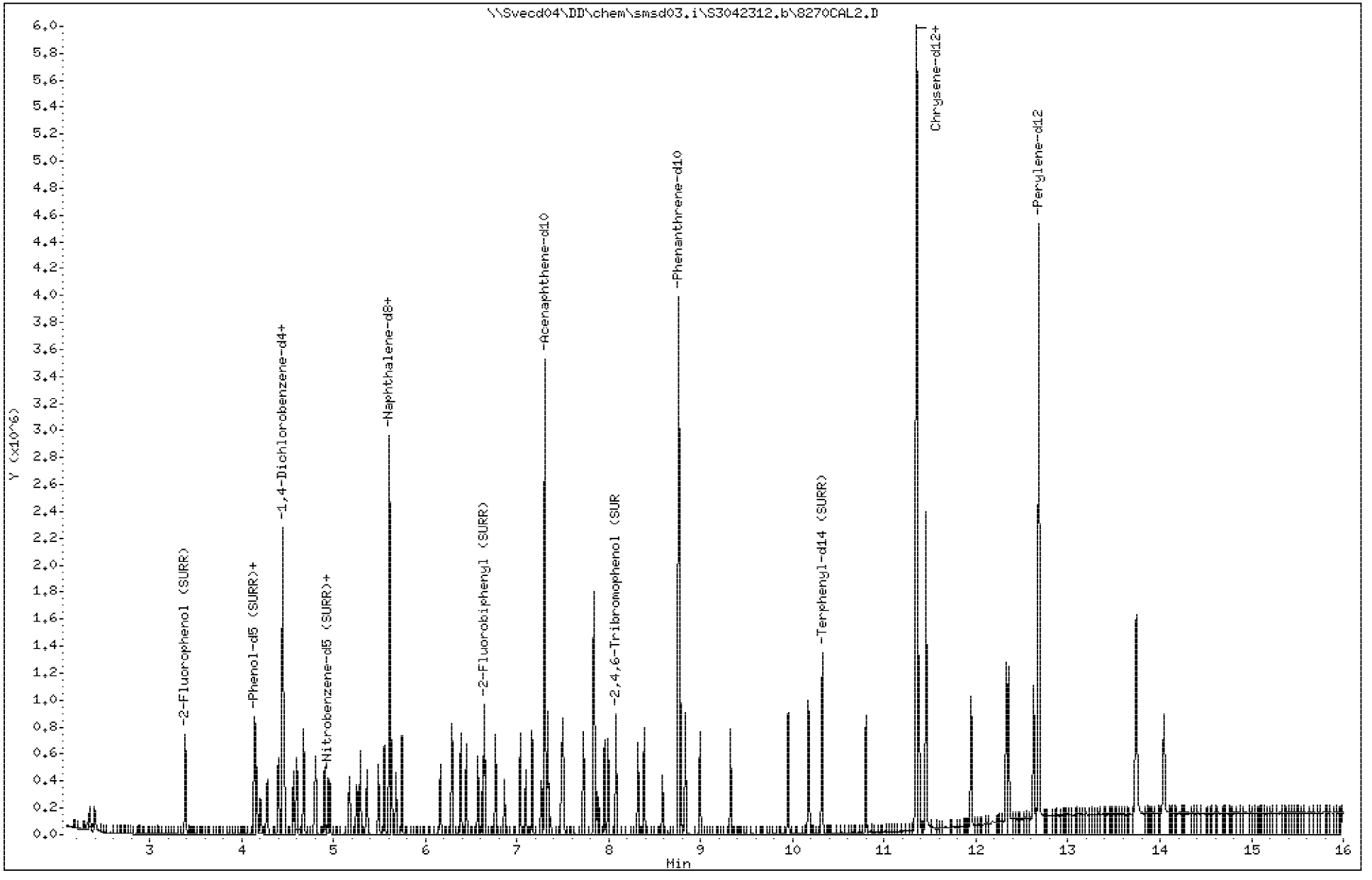
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D
Date : 23-APR-2012 12:21
Client ID: 8270CAL2
Instrument: smsd03.i
Sample Info: 45926
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1300

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

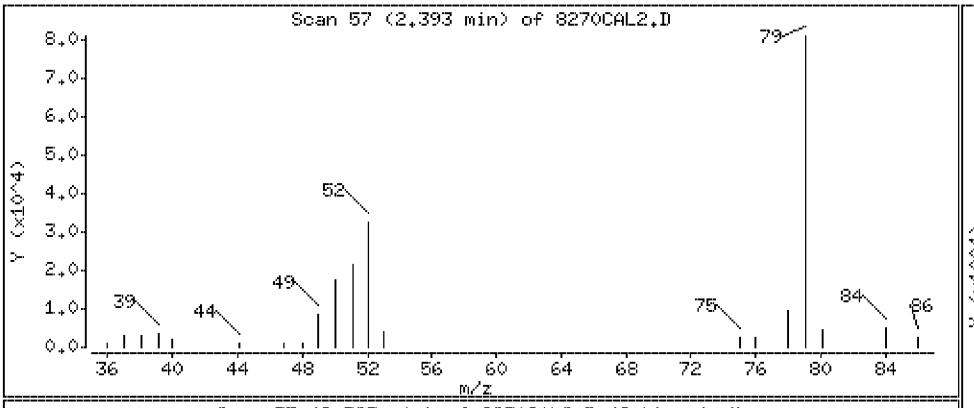
Operator: PEL

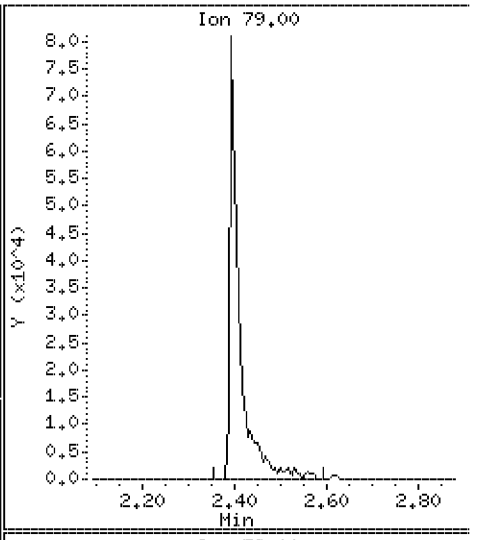
Column phase: HPMS-5

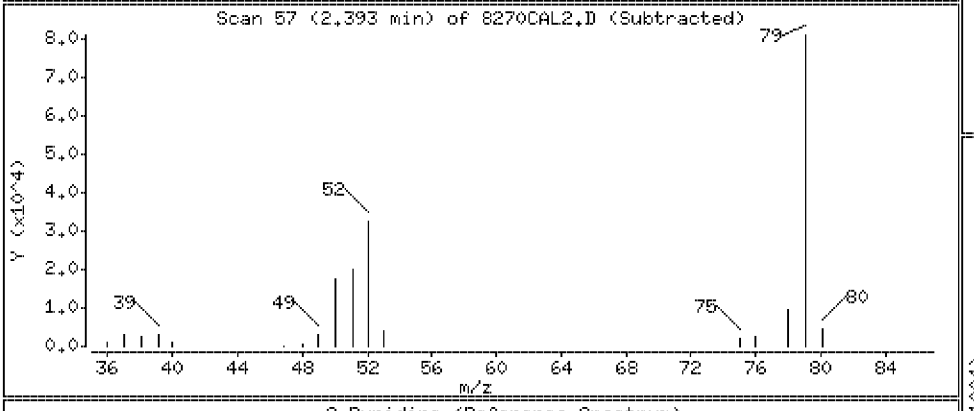
Column diameter: 0.25

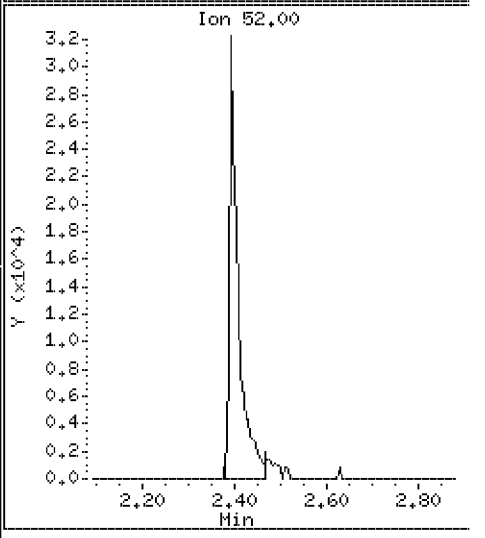
2 Pyridine

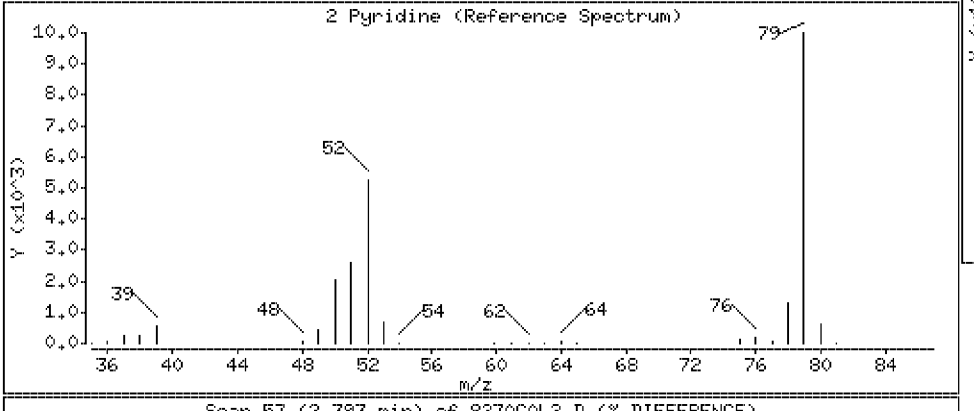
Concentration: 9.6 ug/l

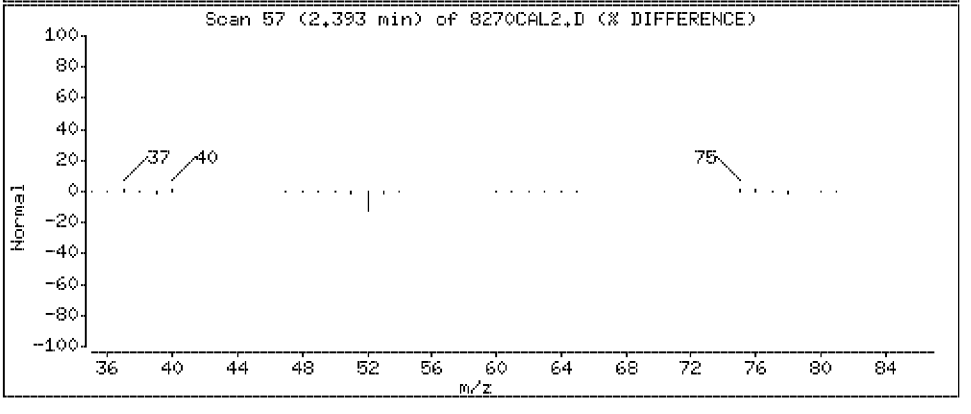












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

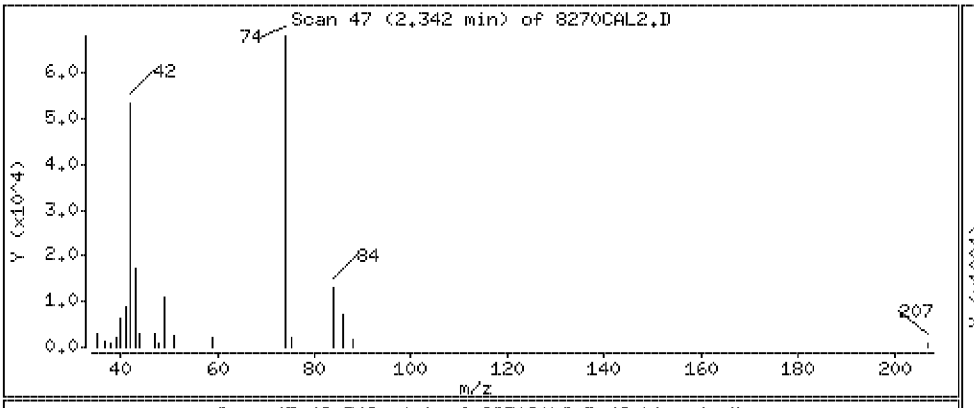
Operator: PEL

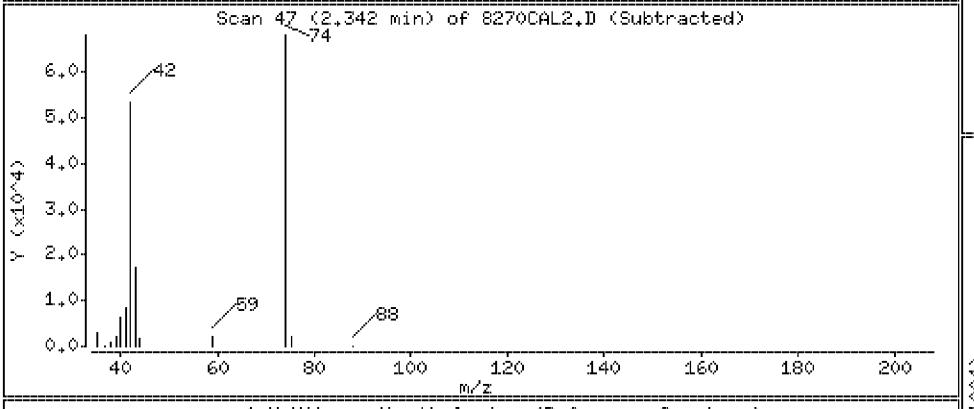
Column phase: HPMS-5

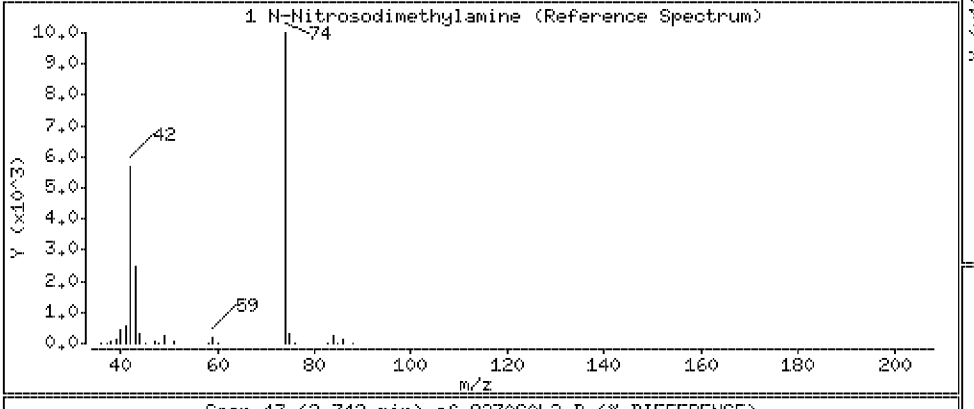
Column diameter: 0.25

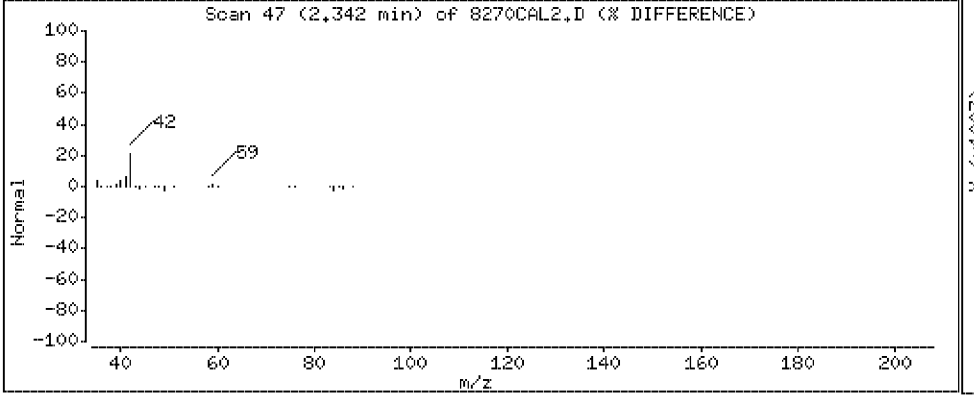
1 N-Nitrosodimethylamine

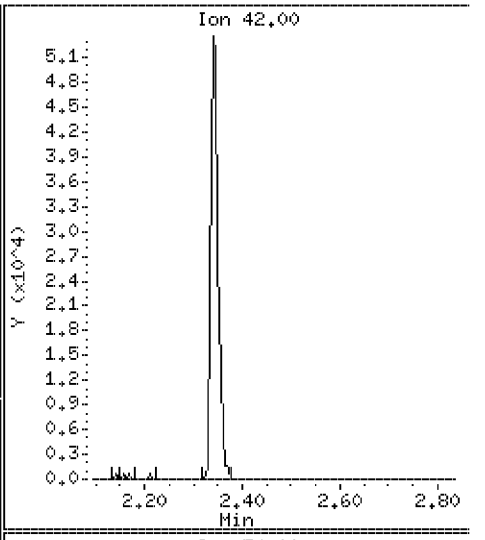
Concentration: 10.3 ug/l

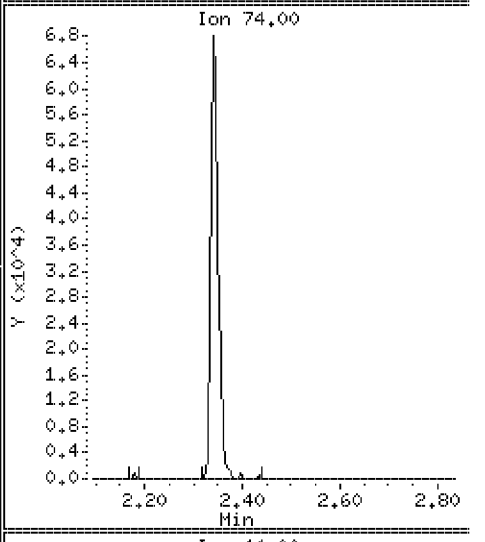


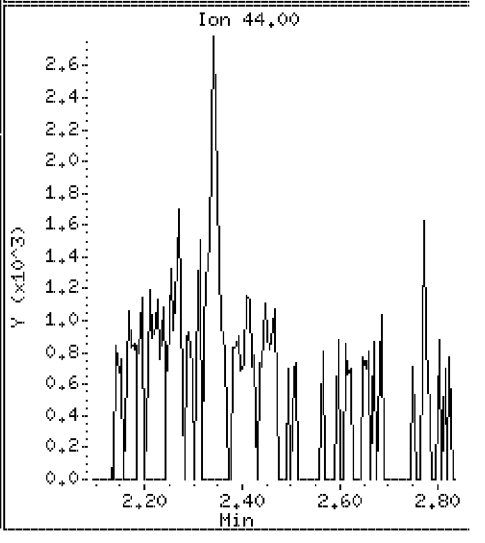












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

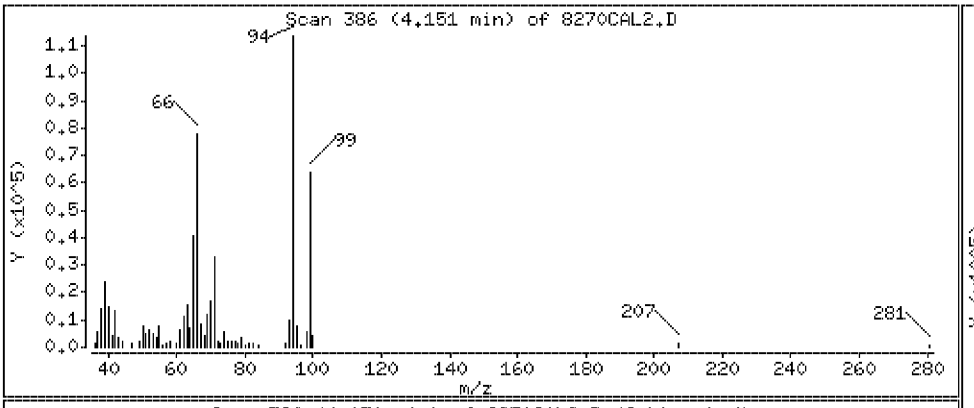
Operator: PEL

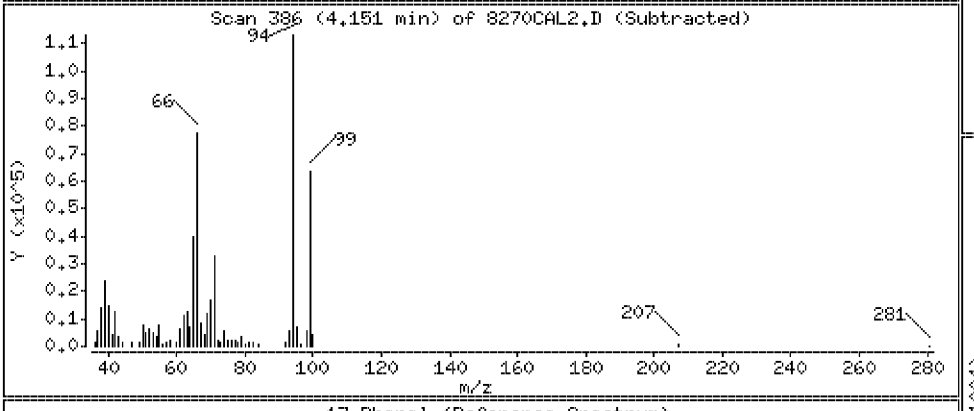
Column phase: HPMS-5

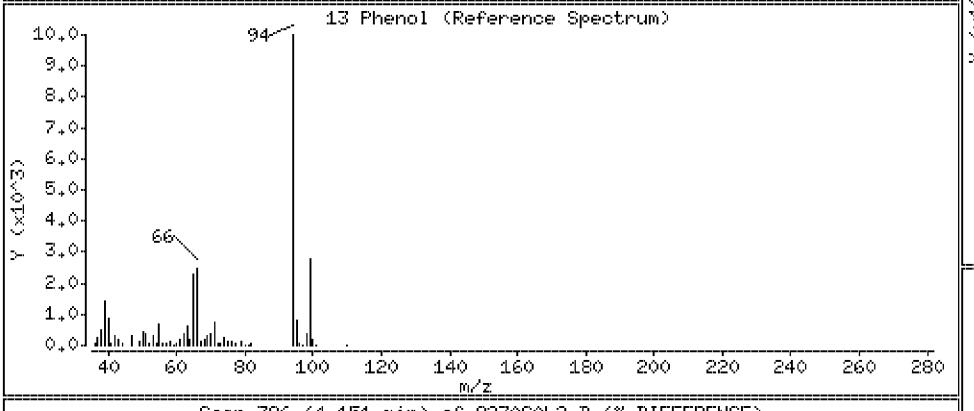
Column diameter: 0.25

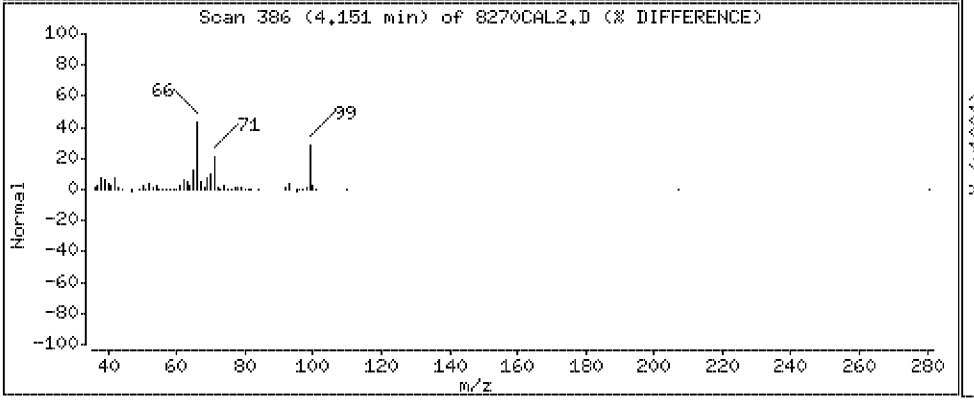
13 Phenol

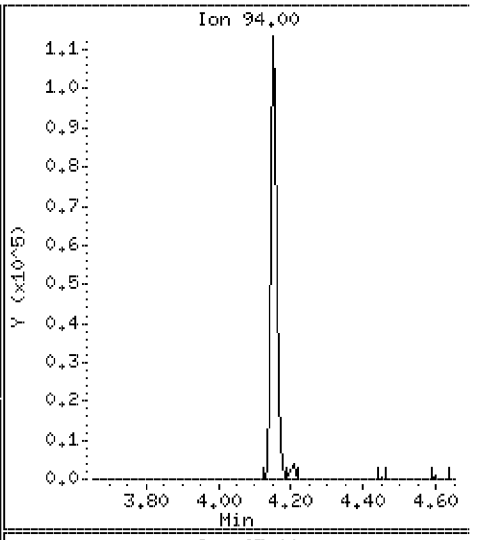
Concentration: 9.0 ug/l

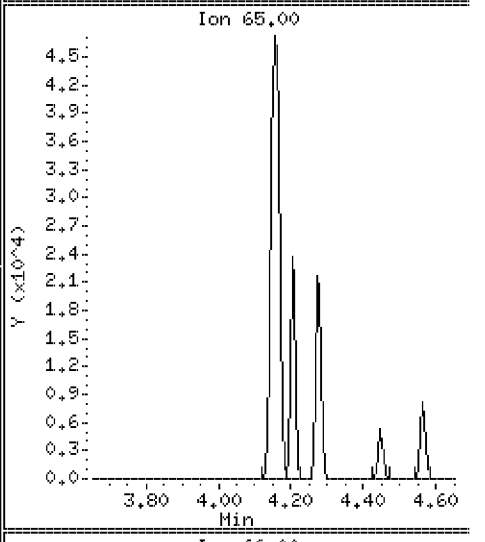


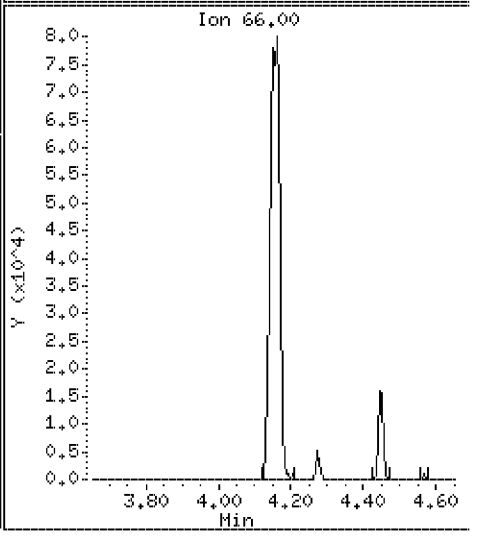












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

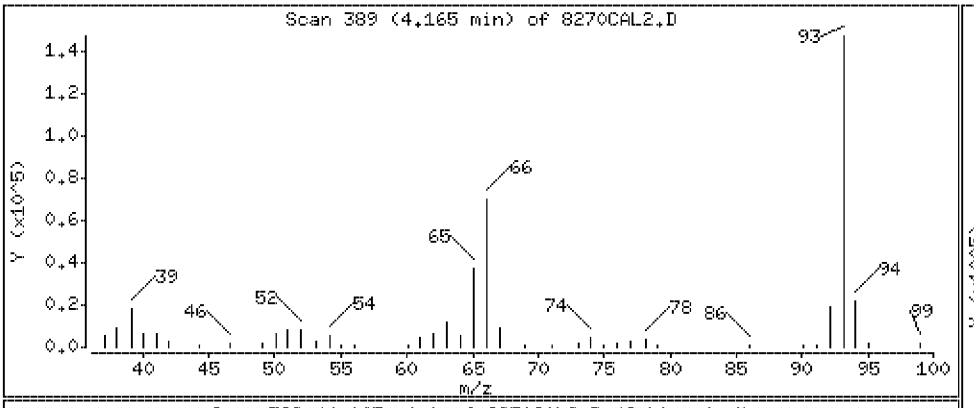
Operator: PEL

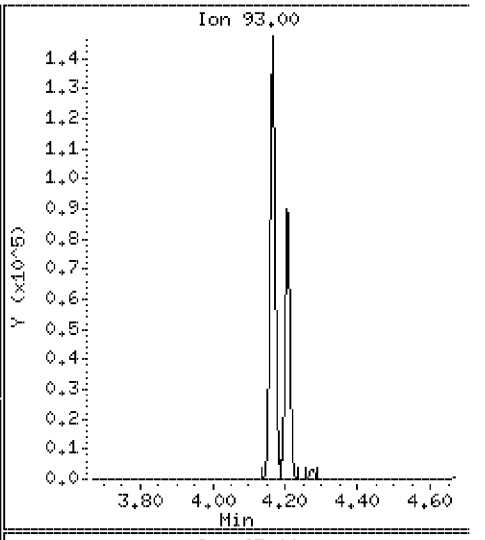
Column phase: HPMS-5

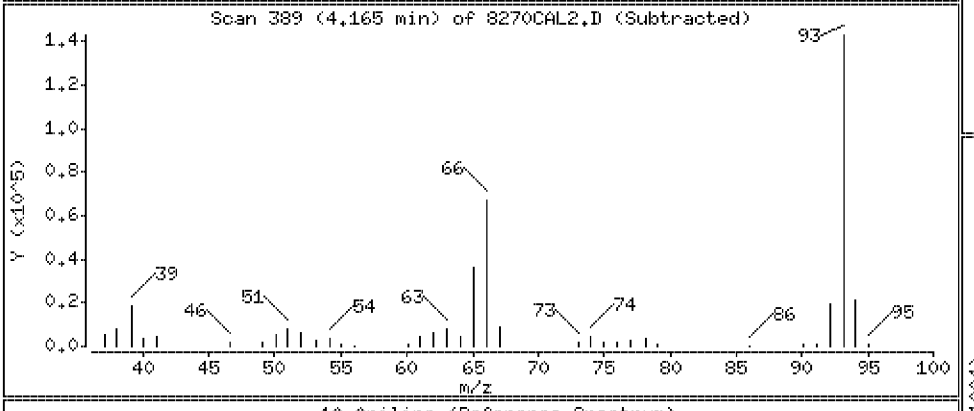
Column diameter: 0.25

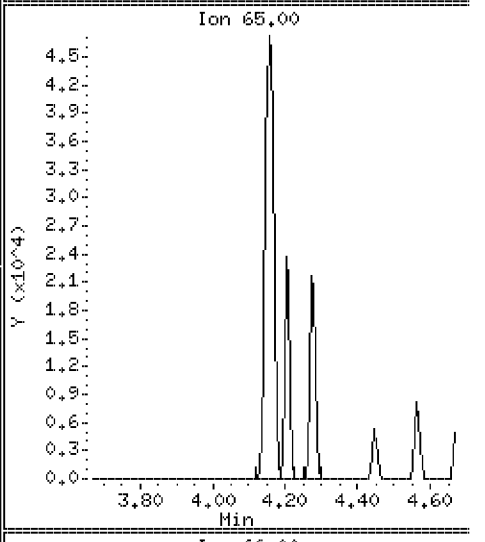
10 Aniline

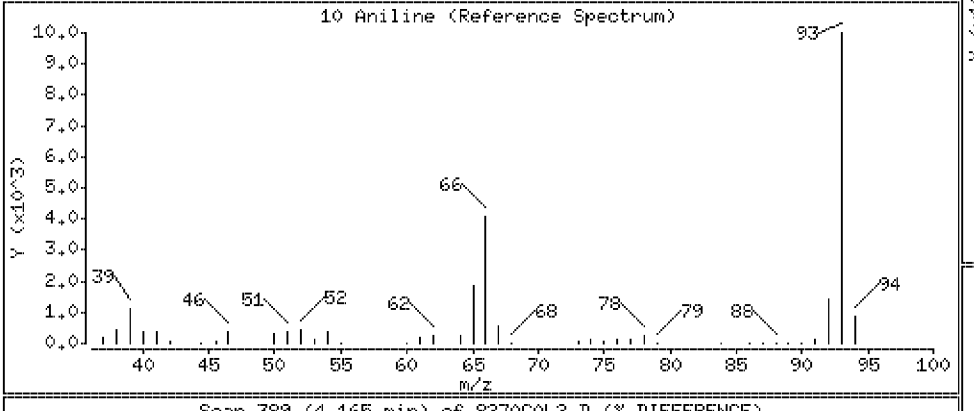
Concentration: 9.5 ug/l

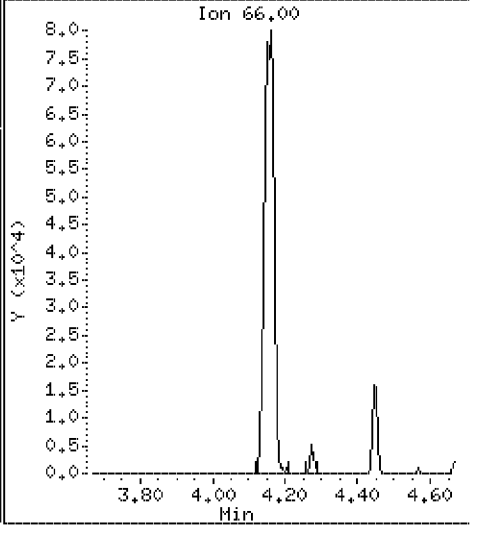


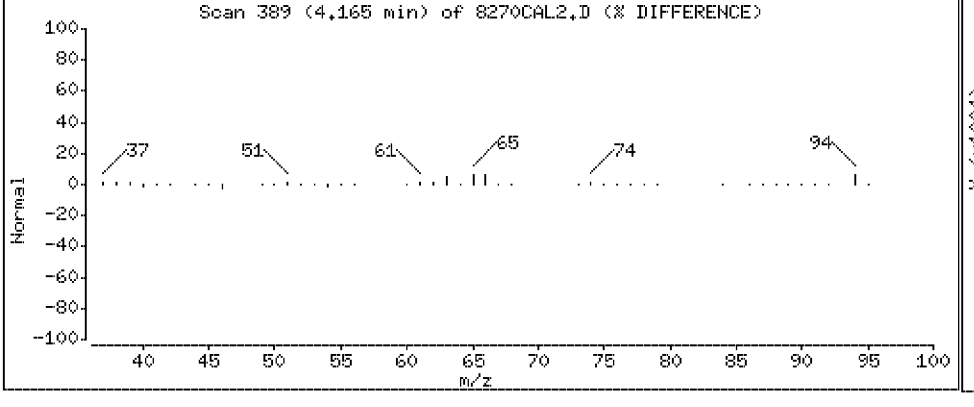












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

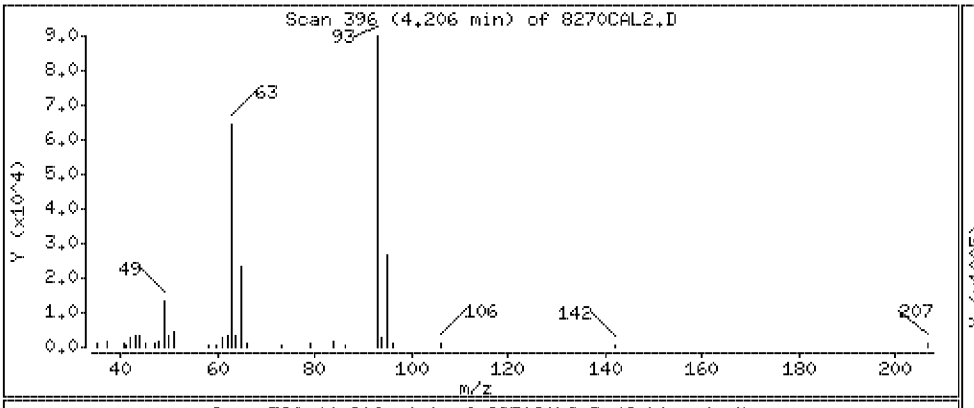
Operator: PEL

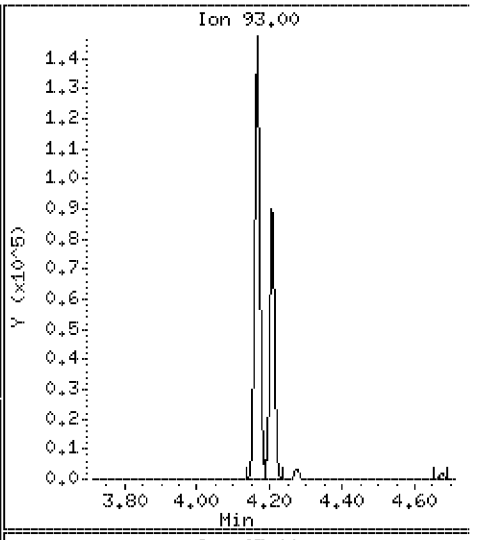
Column phase: HPMS-5

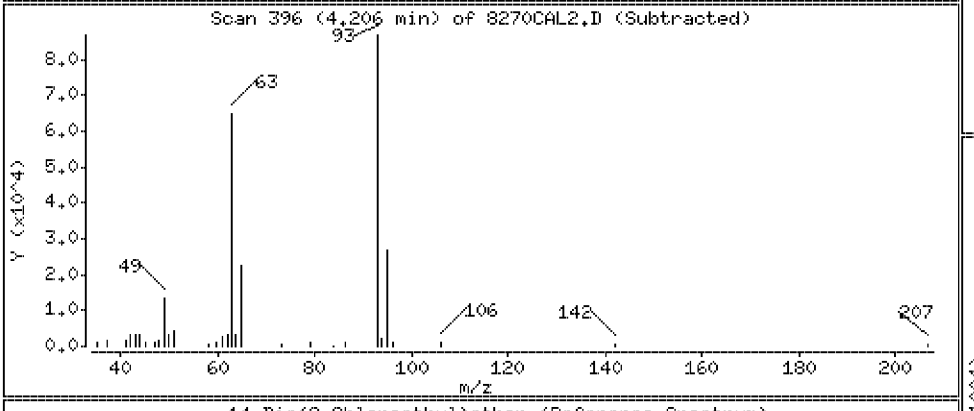
Column diameter: 0.25

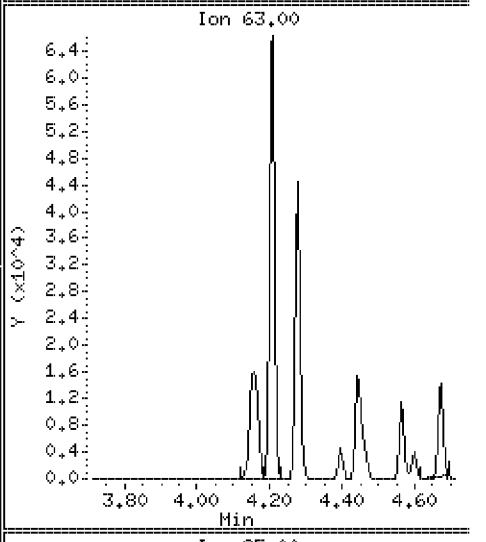
14 Bis(2-Chloroethyl)ether

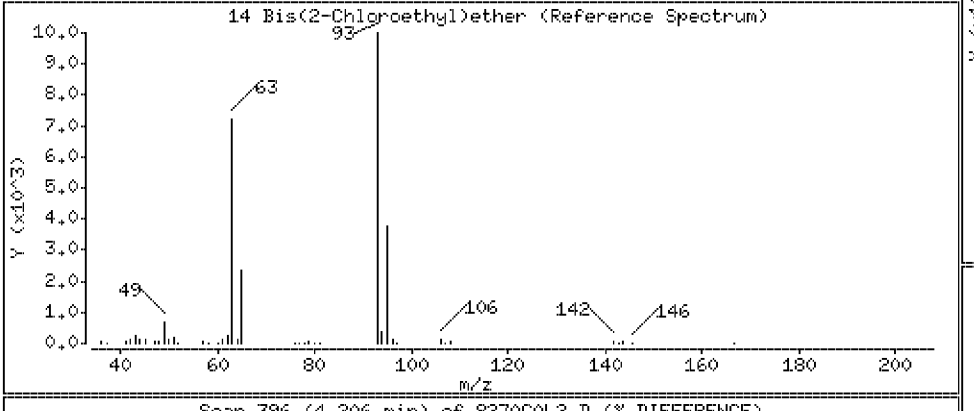
Concentration: 9.8 ug/l

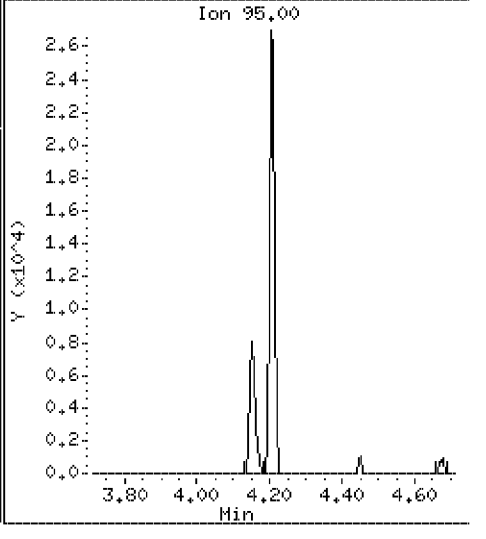


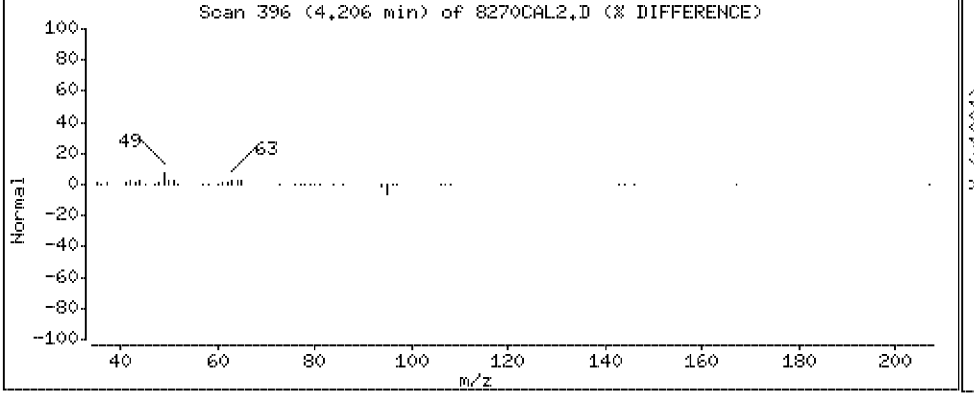












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

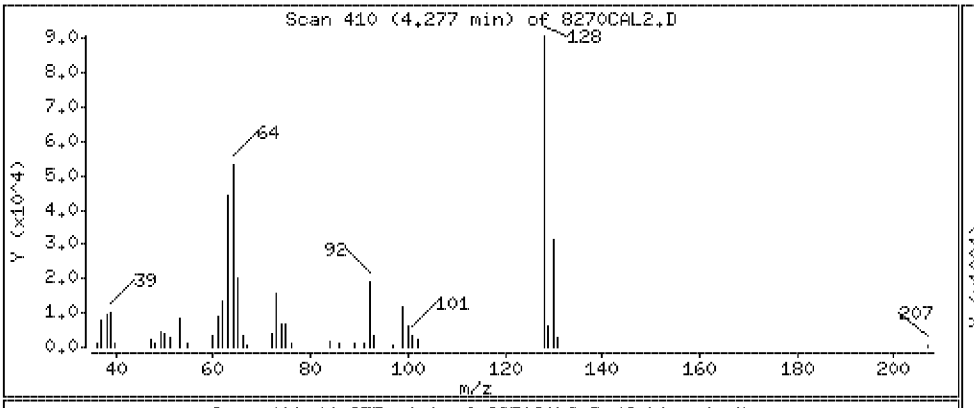
Operator: PEL

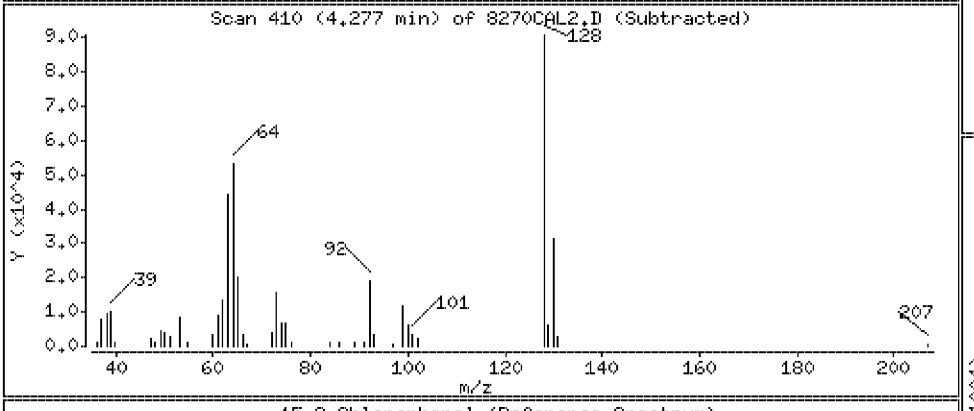
Column phase: HPMS-5

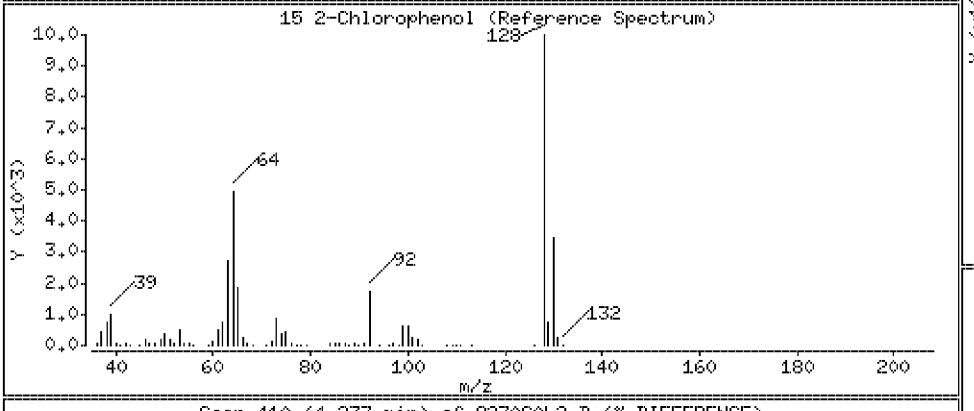
Column diameter: 0.25

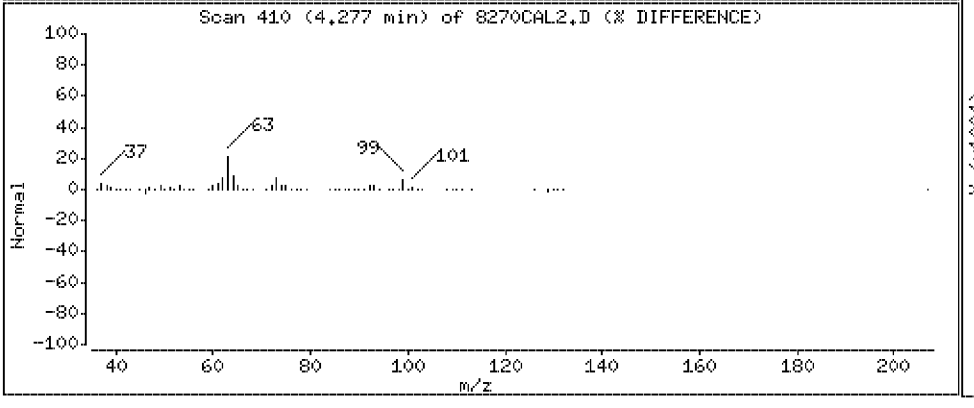
15 2-Chlorophenol

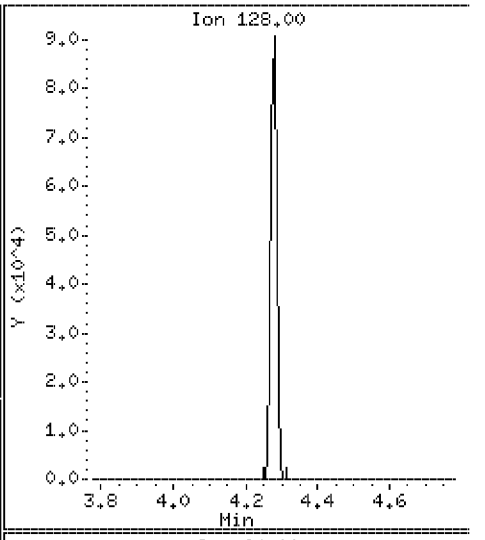
Concentration: 9.1 ug/l

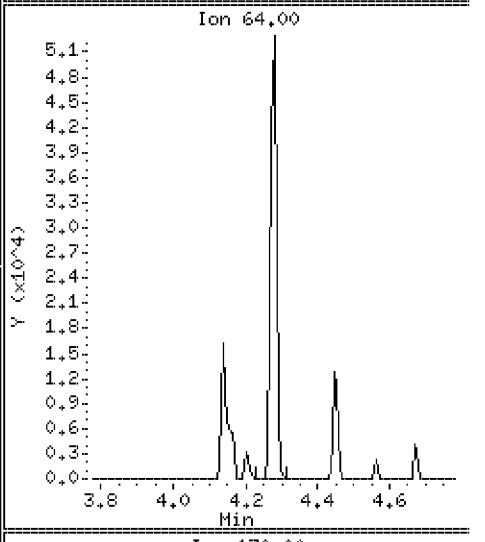


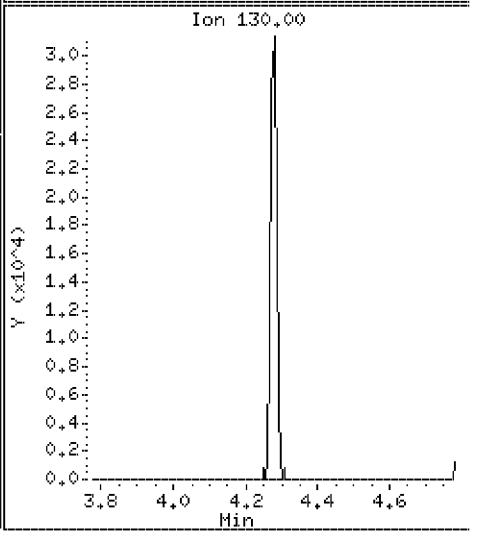












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

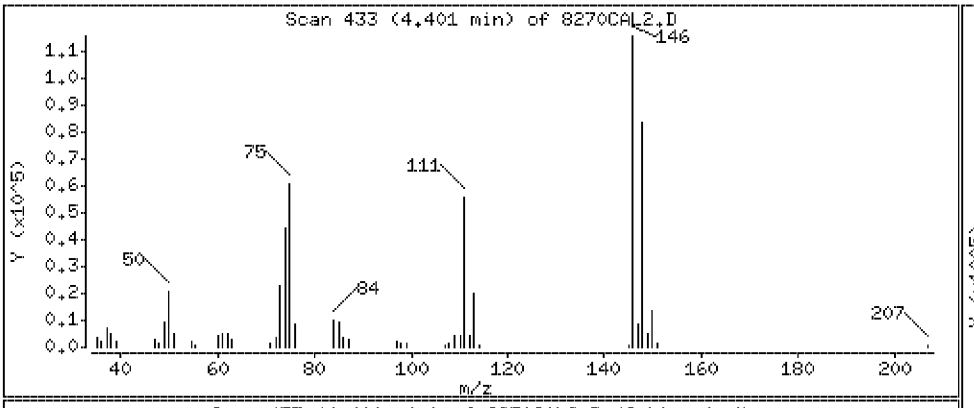
Operator: PEL

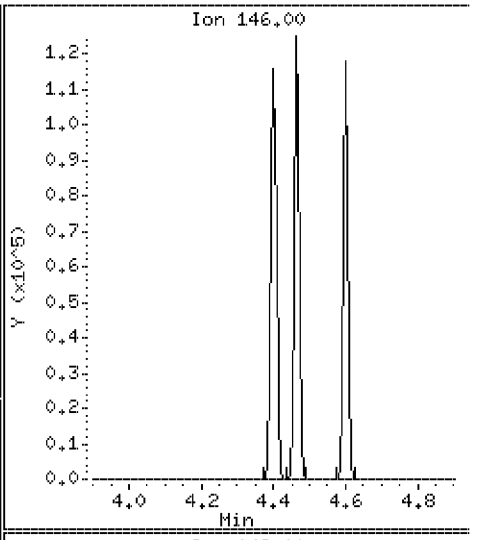
Column phase: HPMS-5

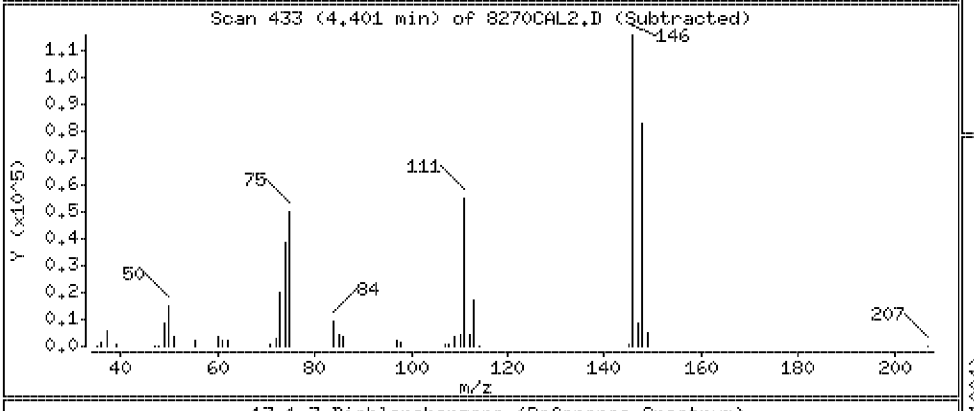
Column diameter: 0.25

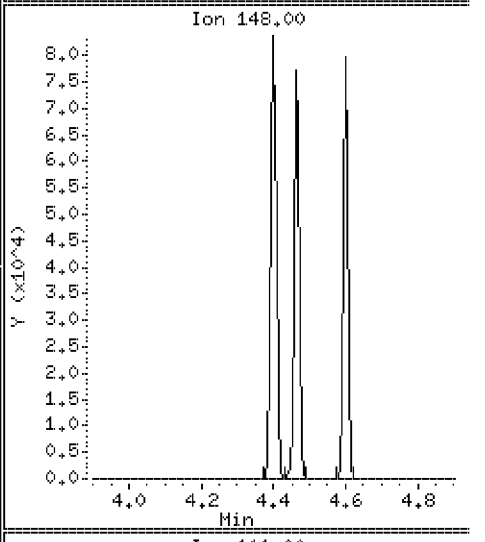
17 1,3-Dichlorobenzene

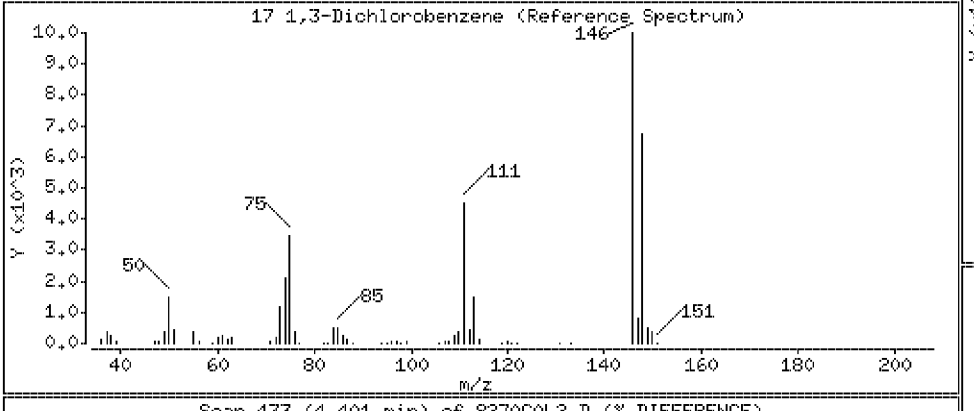
Concentration: 9.1 ug/l

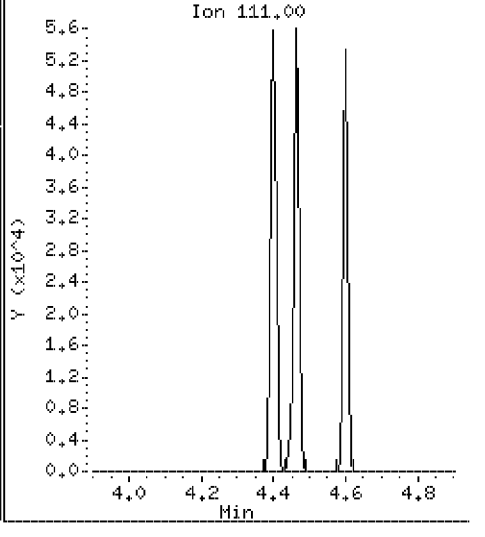


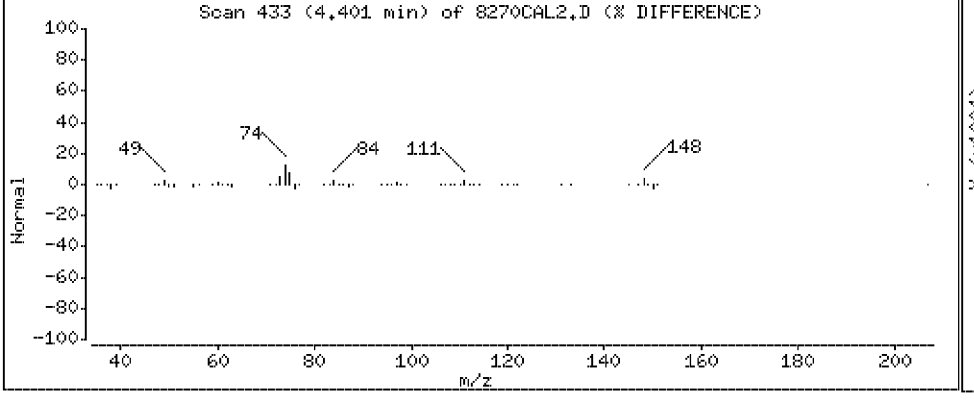












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

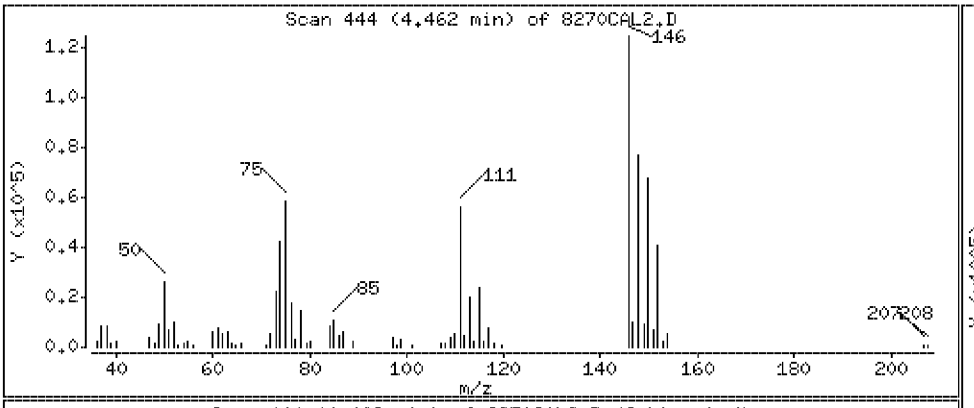
Operator: PEL

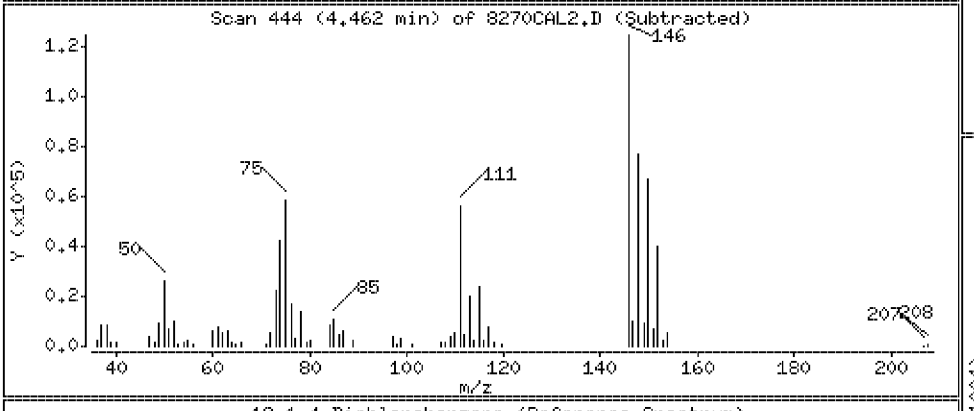
Column phase: HPMS-5

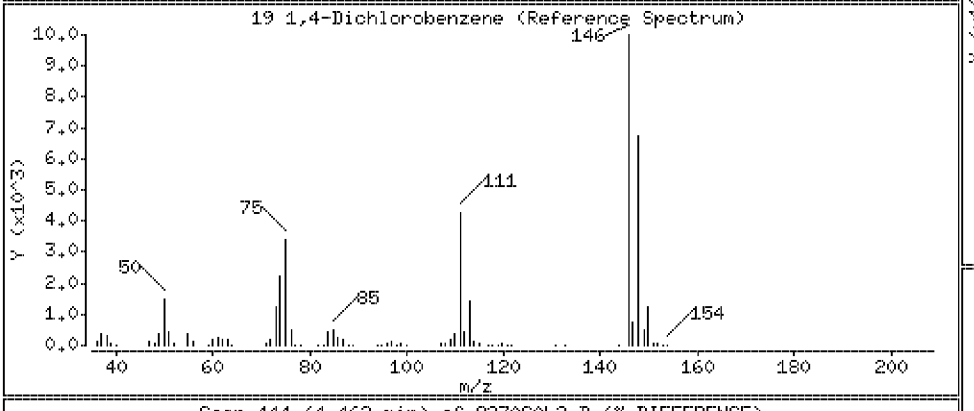
Column diameter: 0.25

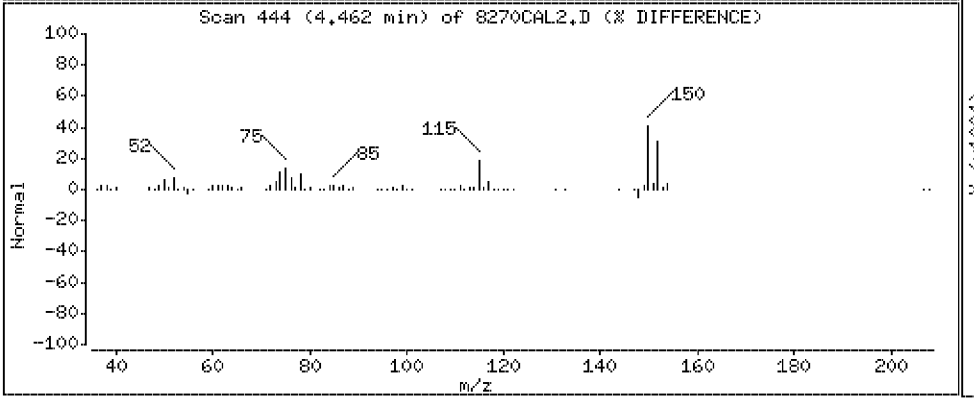
19 1,4-Dichlorobenzene

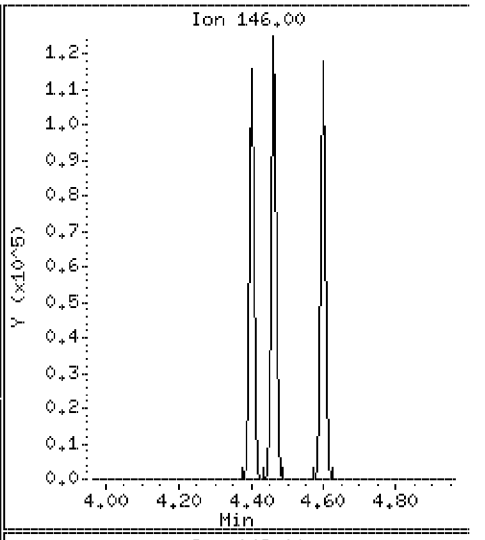
Concentration: 9.5 ug/l

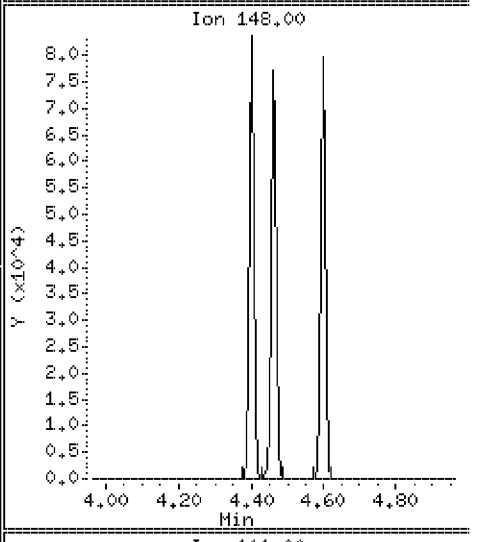


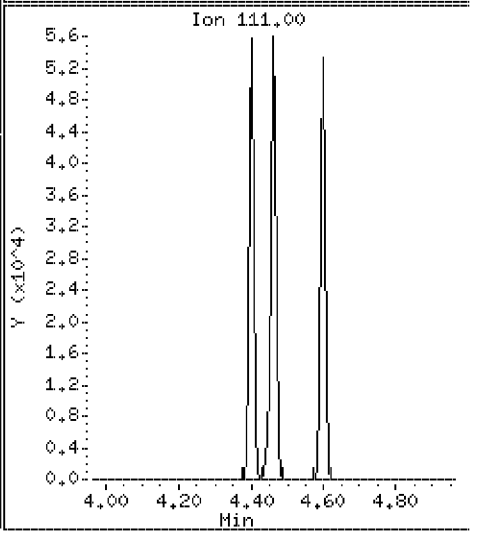












Date : 23-APR-2012 12:21

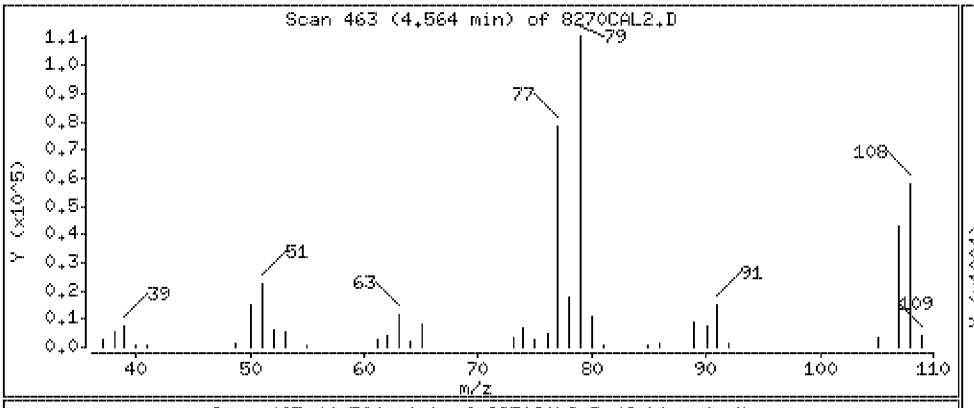
Client ID: 8270CAL2 Instrument: smsd03.i

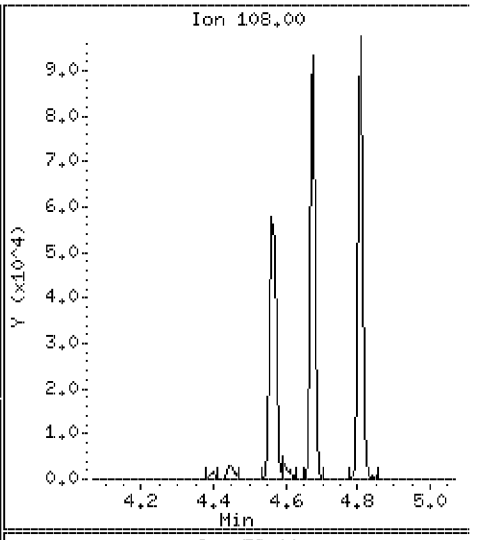
Sample Info: 45926

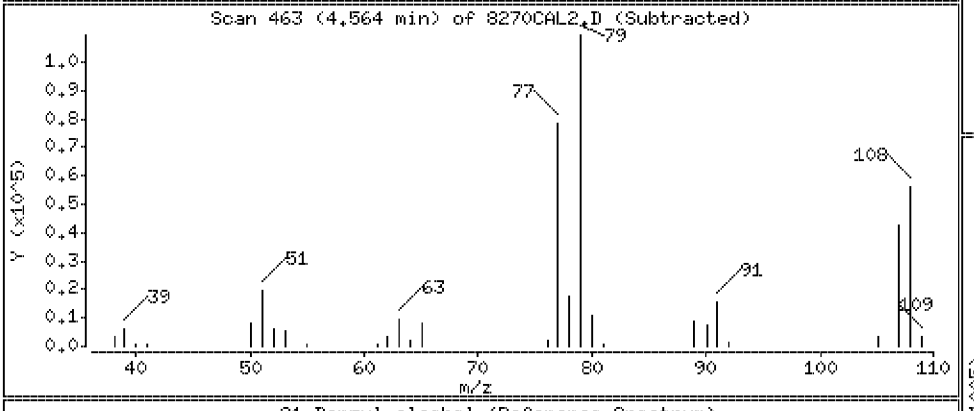
Purge Volume: 1000.0 Operator: PEL

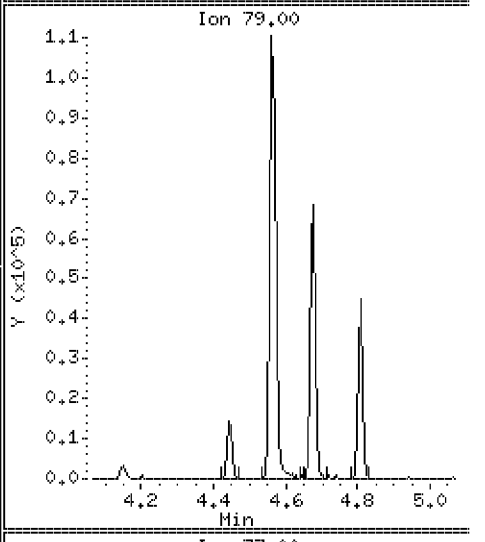
Column phase: HPMS-5 Column diameter: 0.25

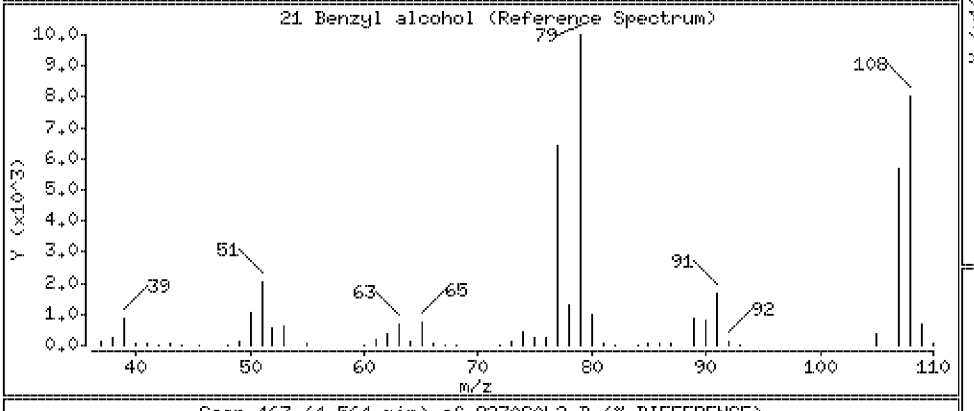
21 Benzyl alcohol Concentration: 9.0 ug/l

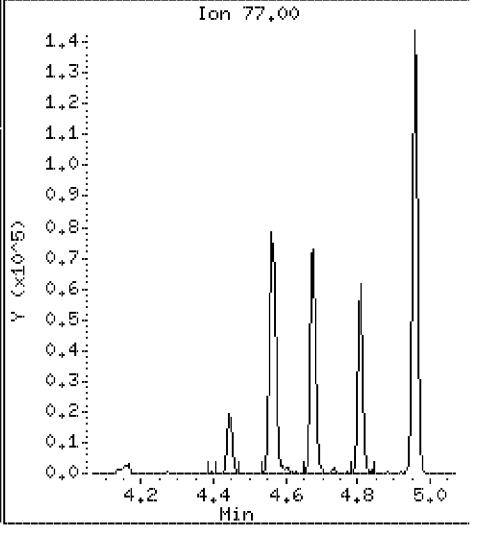


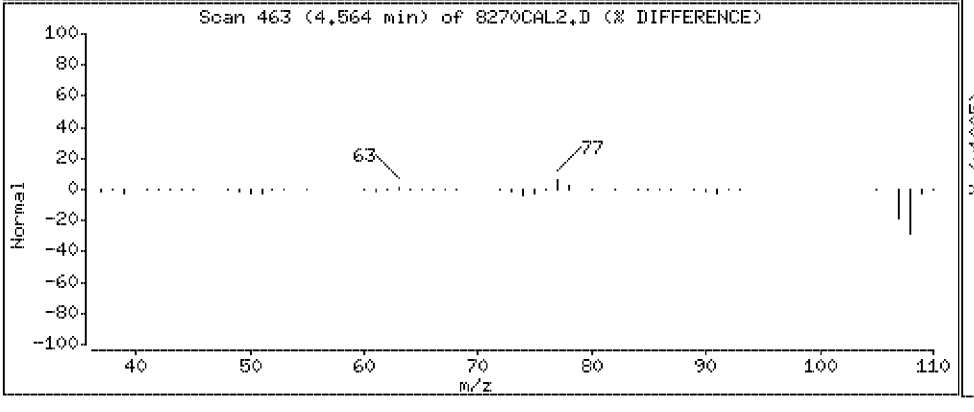












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

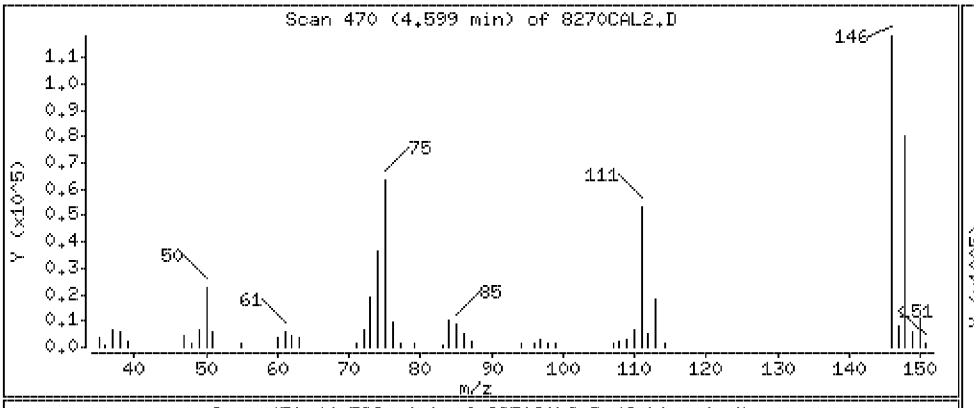
Operator: PEL

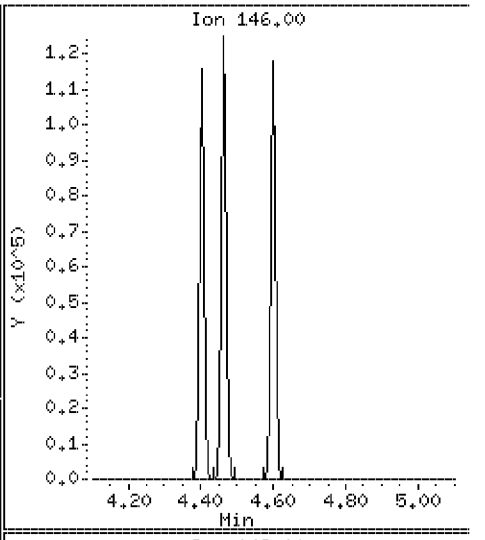
Column phase: HPMS-5

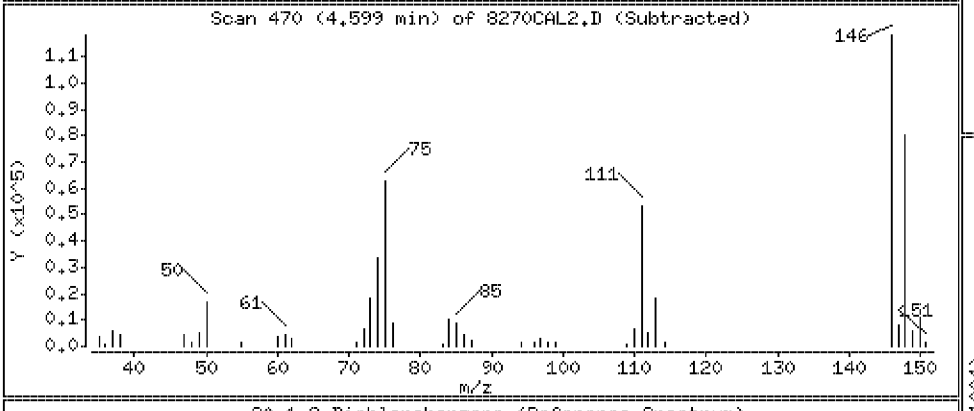
Column diameter: 0.25

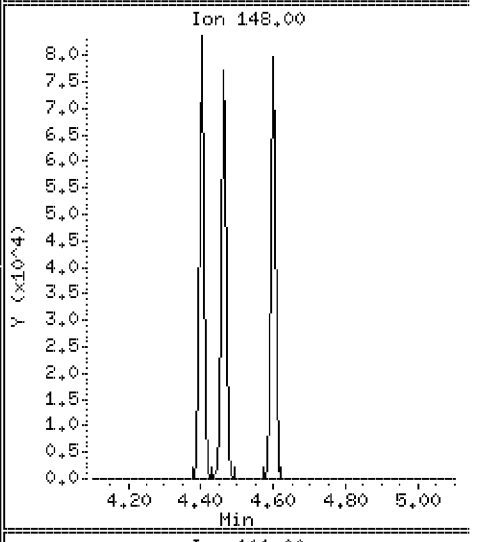
20 1,2-Dichlorobenzene

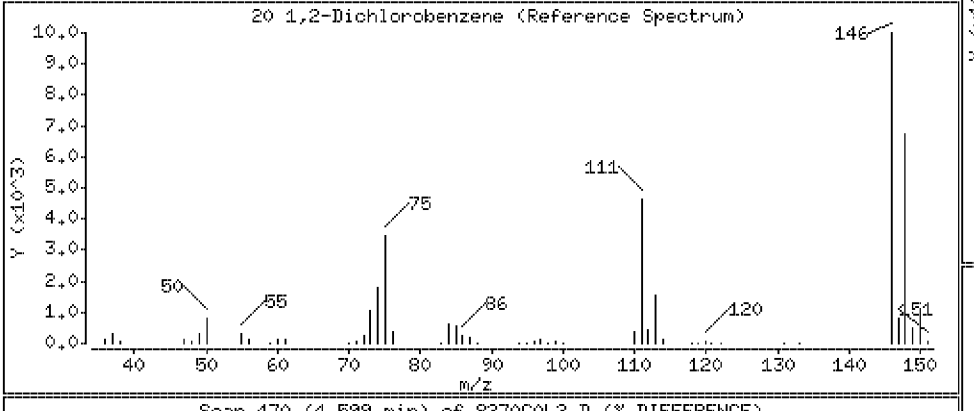
Concentration: 9.7 ug/l

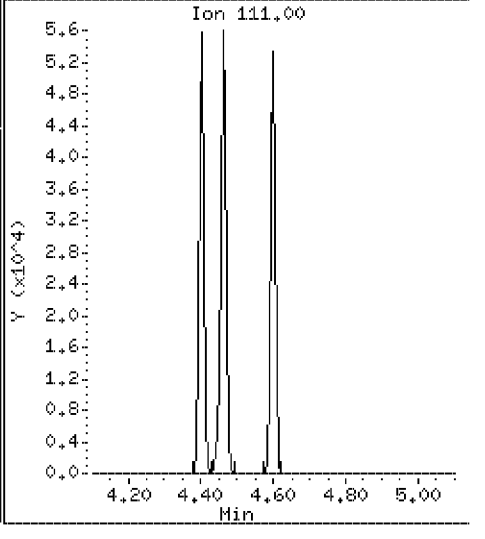


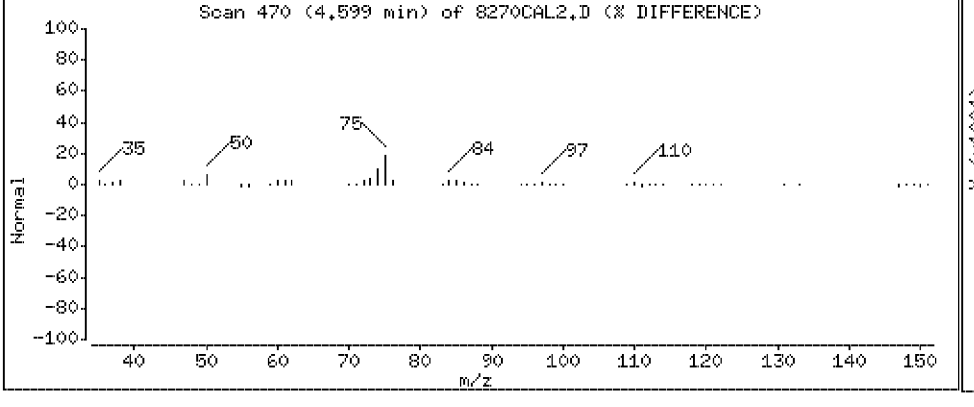












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

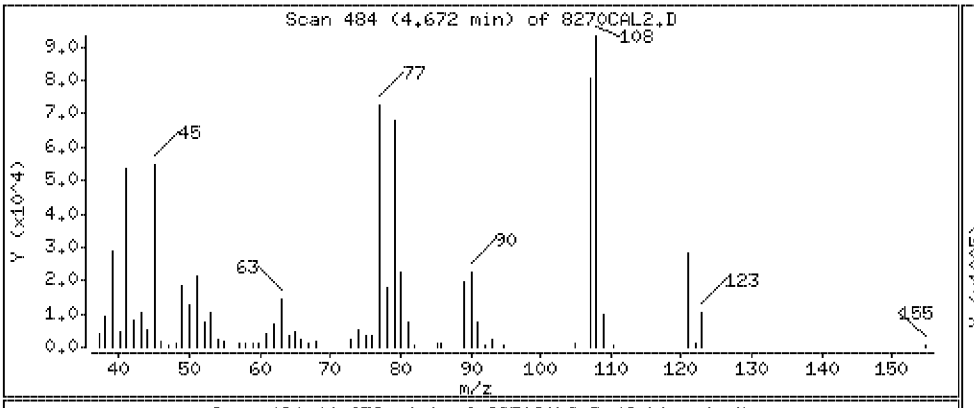
Operator: PEL

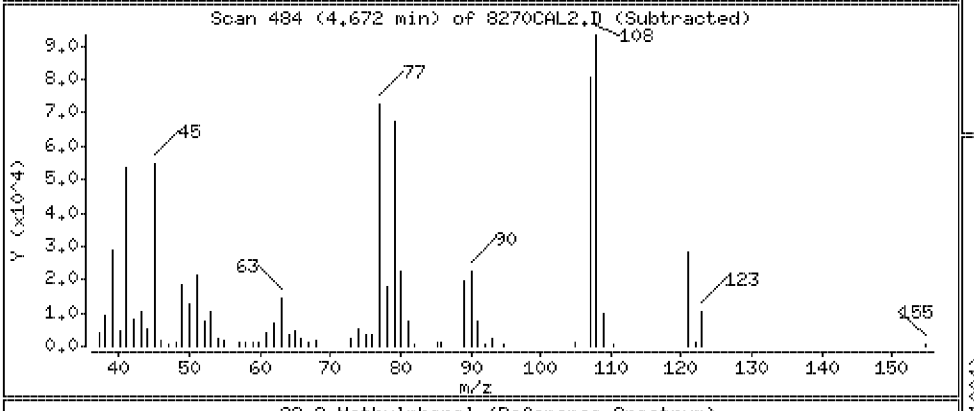
Column phase: HPMS-5

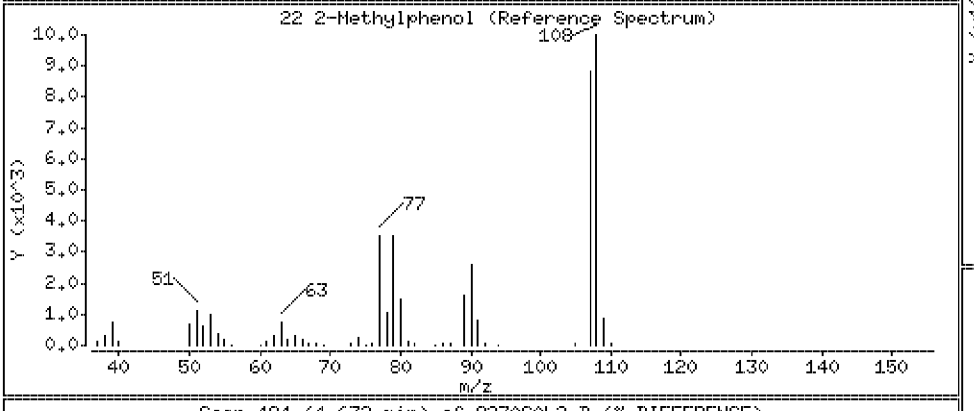
Column diameter: 0.25

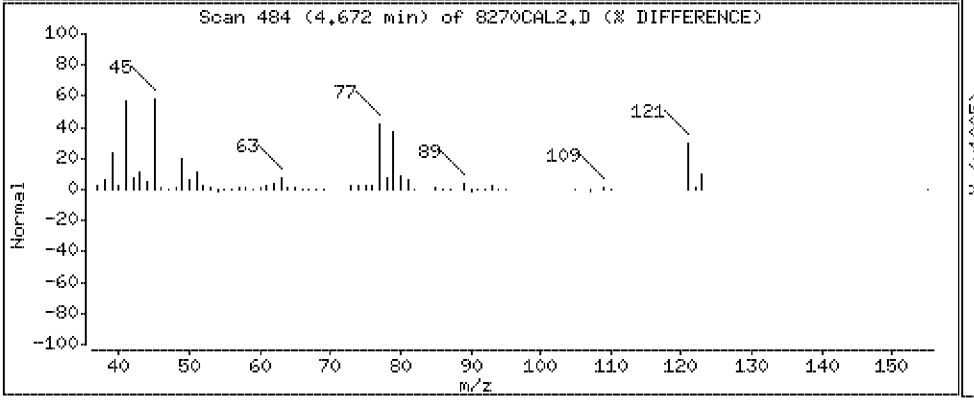
22 2-Methylphenol

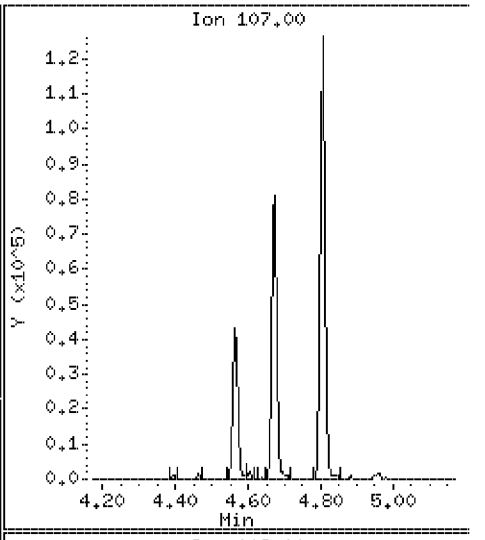
Concentration: 9.1 ug/l

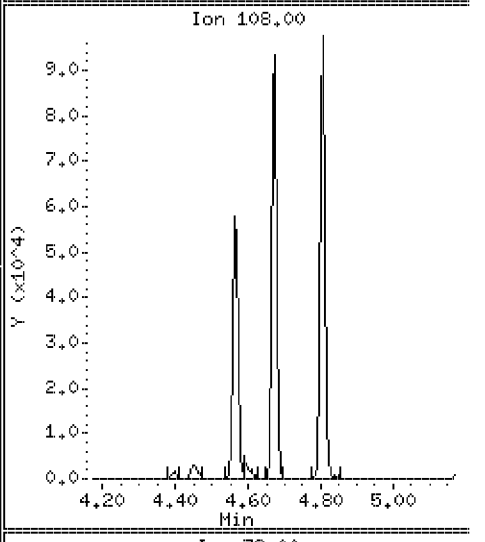


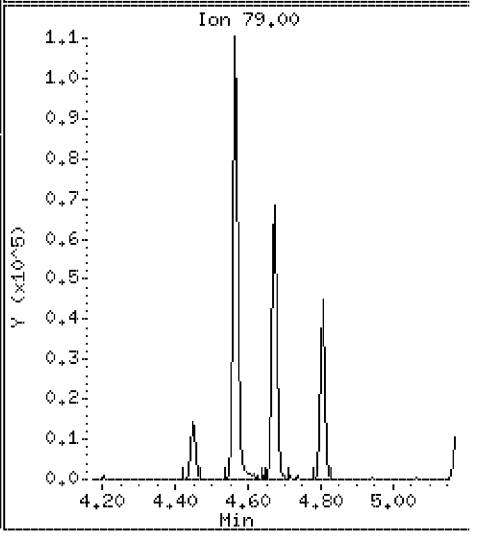












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

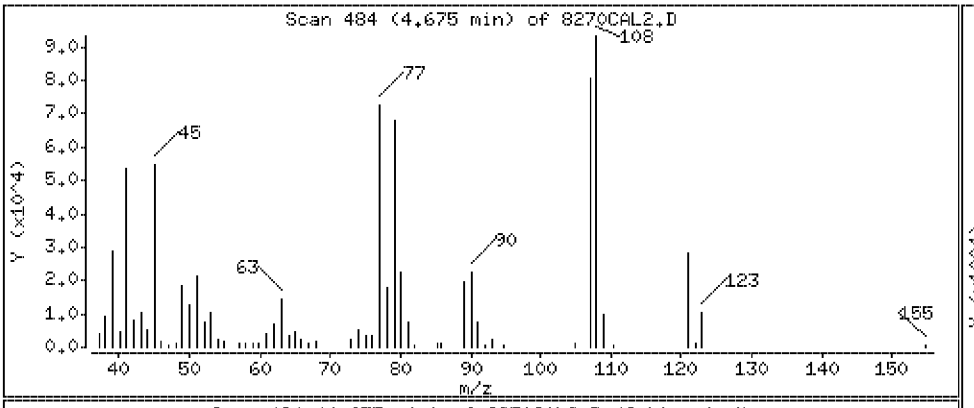
Operator: PEL

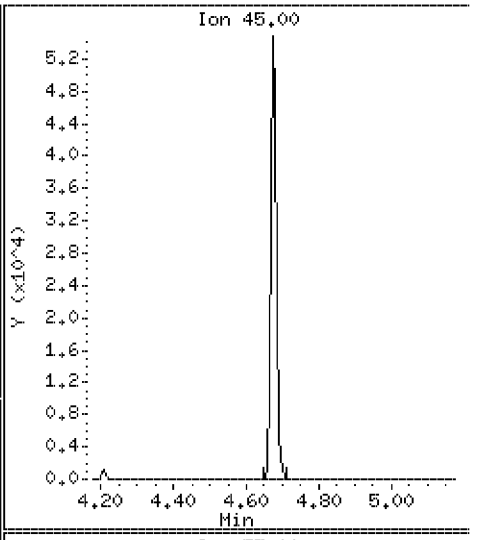
Column phase: HPMS-5

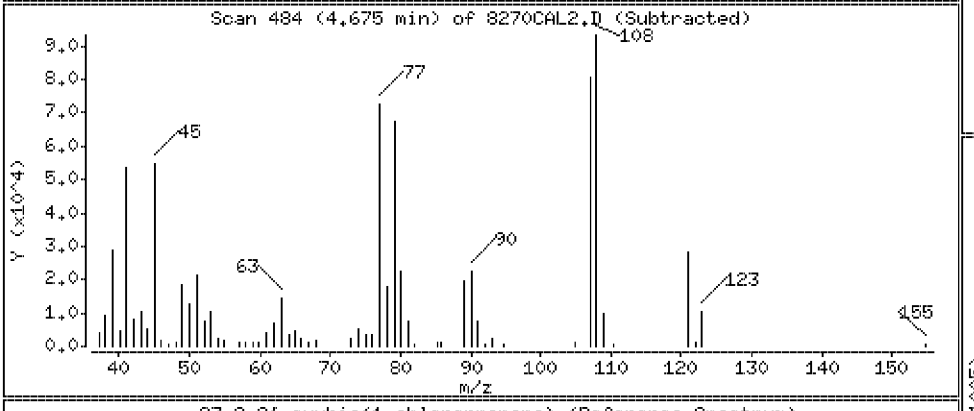
Column diameter: 0.25

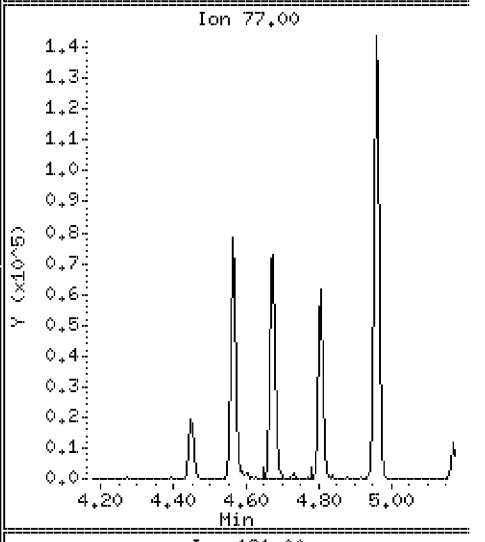
23 2,2'-oxybis(1-chloropropane)

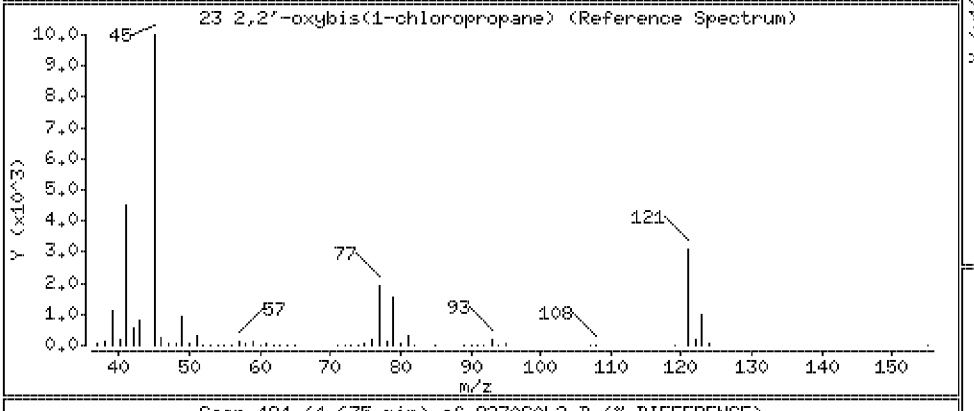
Concentration: 9.2 ug/l

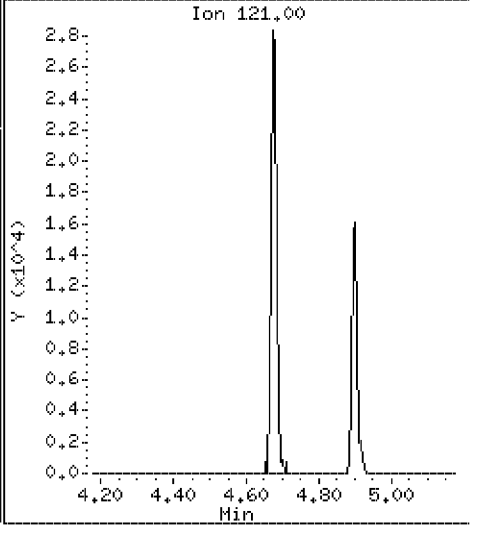


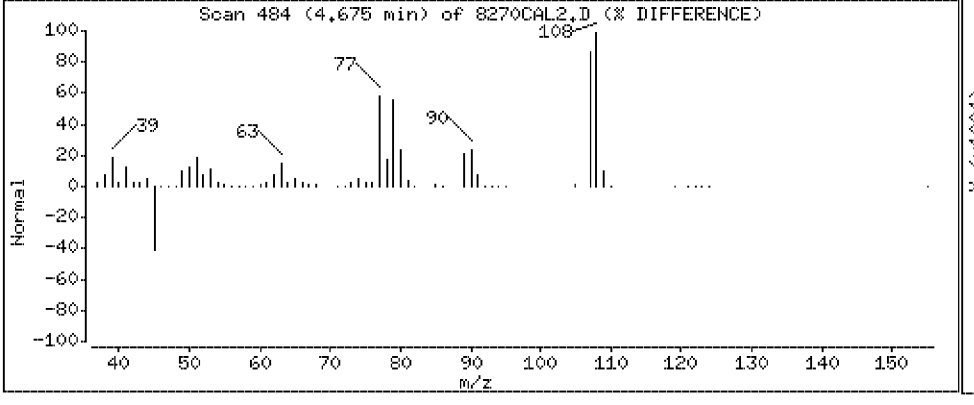












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

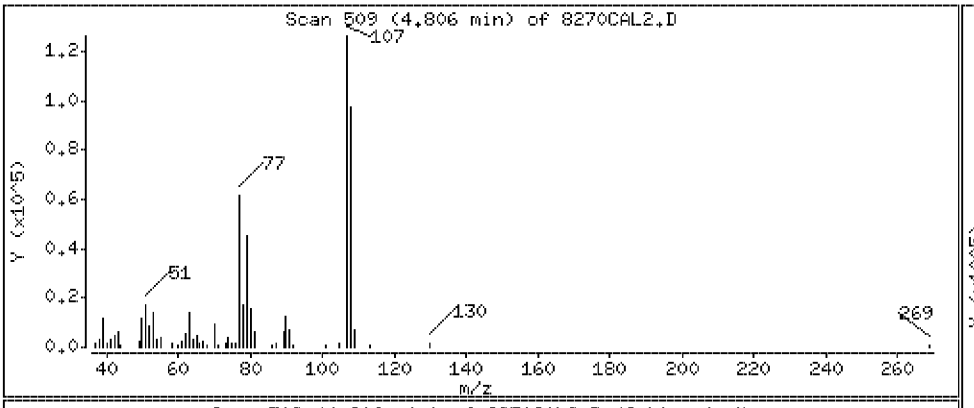
Operator: PEL

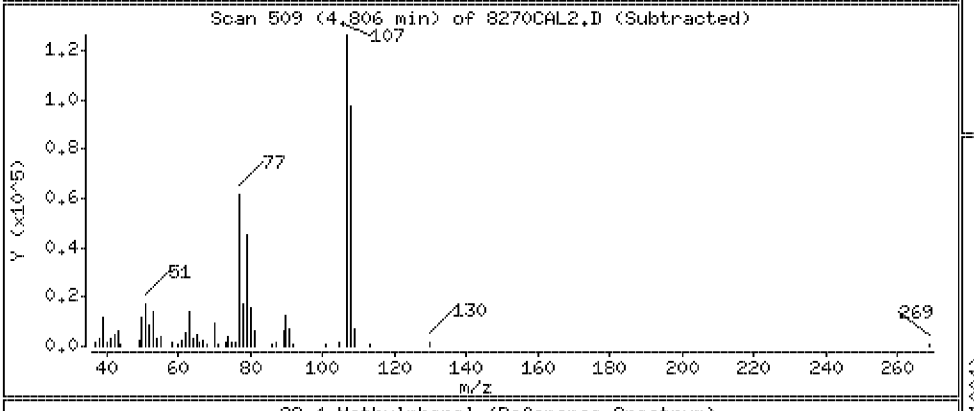
Column phase: HPMS-5

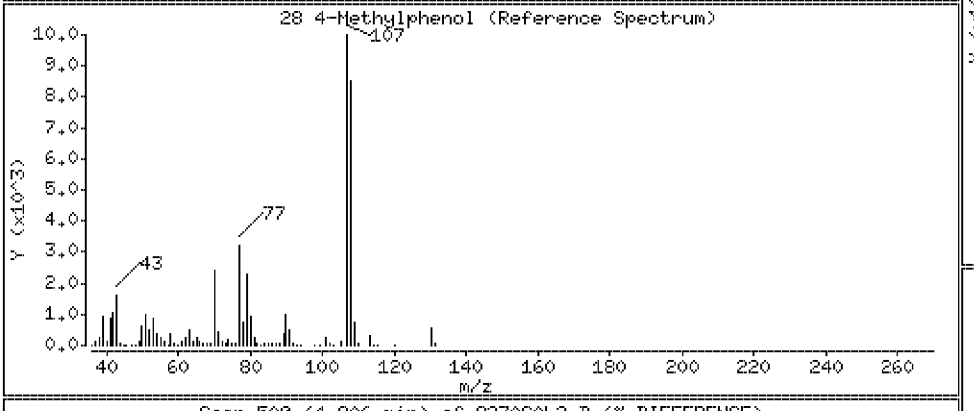
Column diameter: 0.25

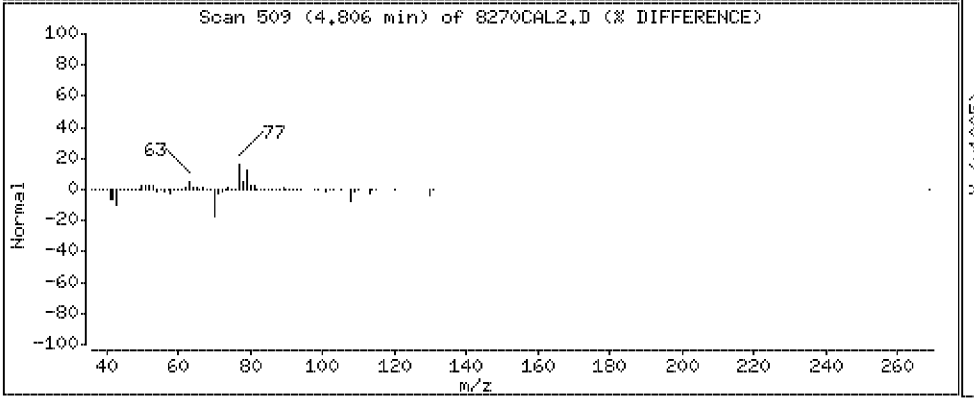
28 4-Methylphenol

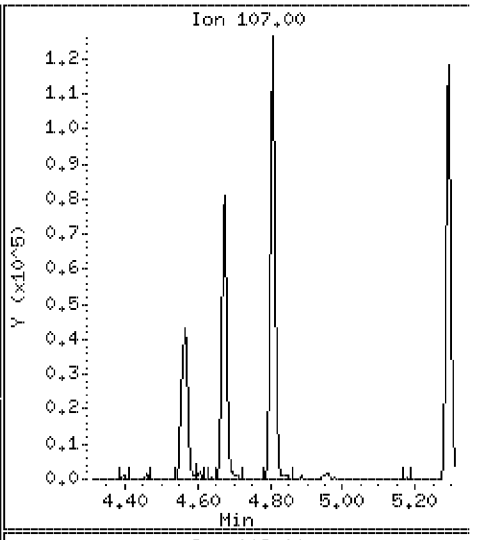
Concentration: 9.3 ug/l

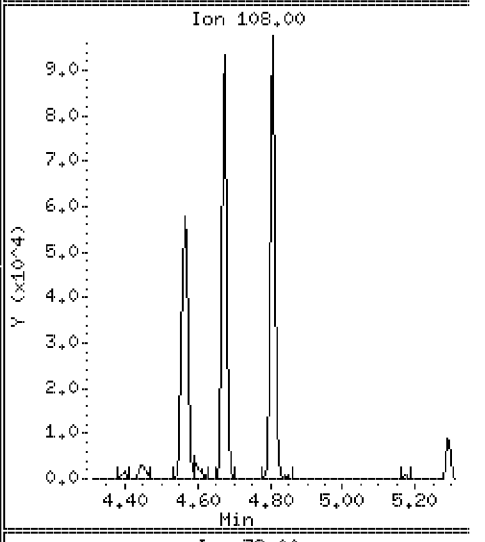


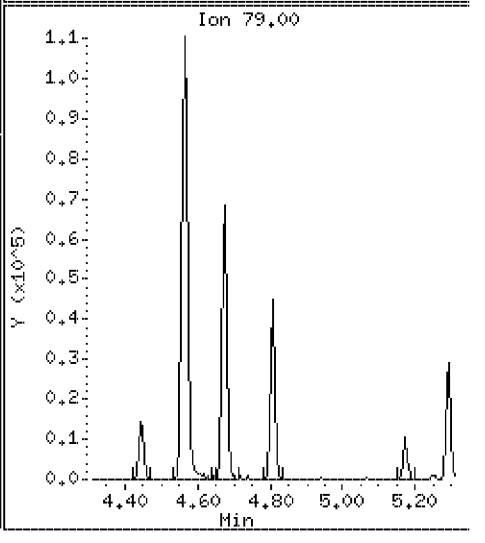












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

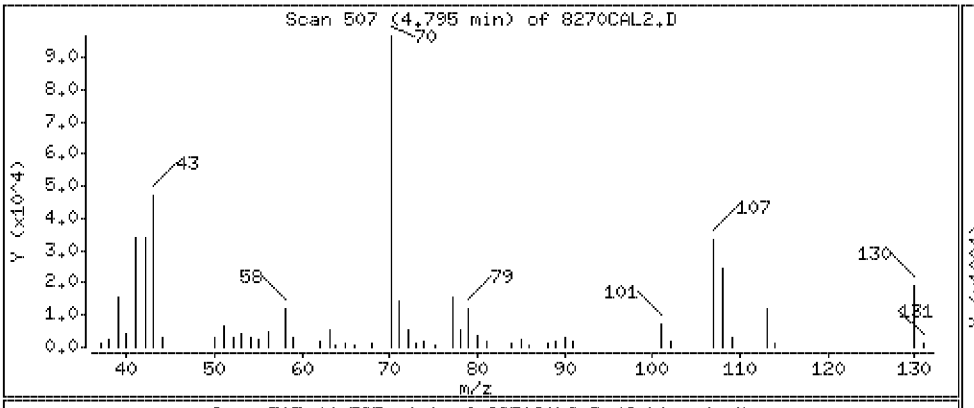
Operator: PEL

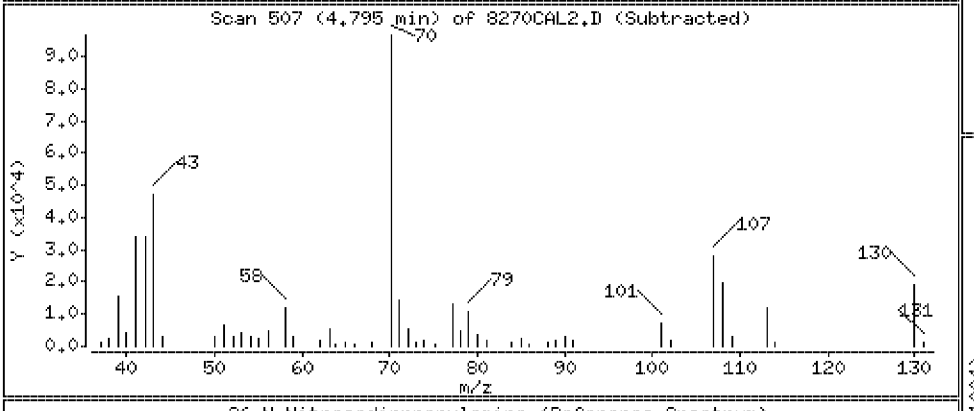
Column phase: HPMS-5

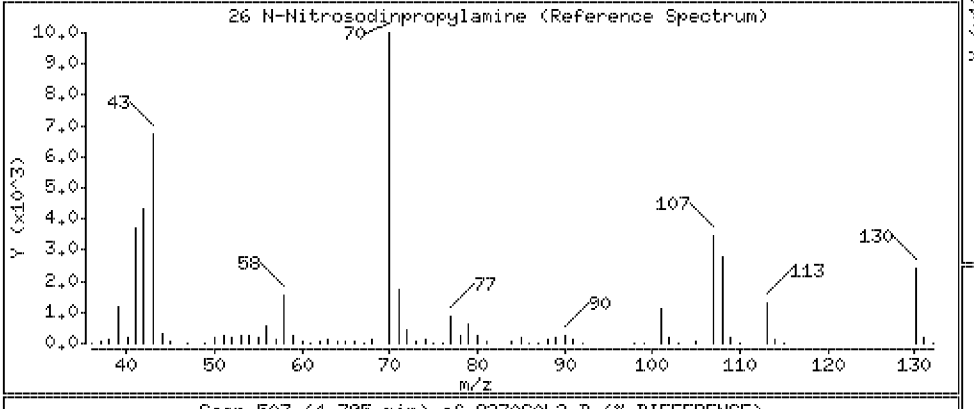
Column diameter: 0.25

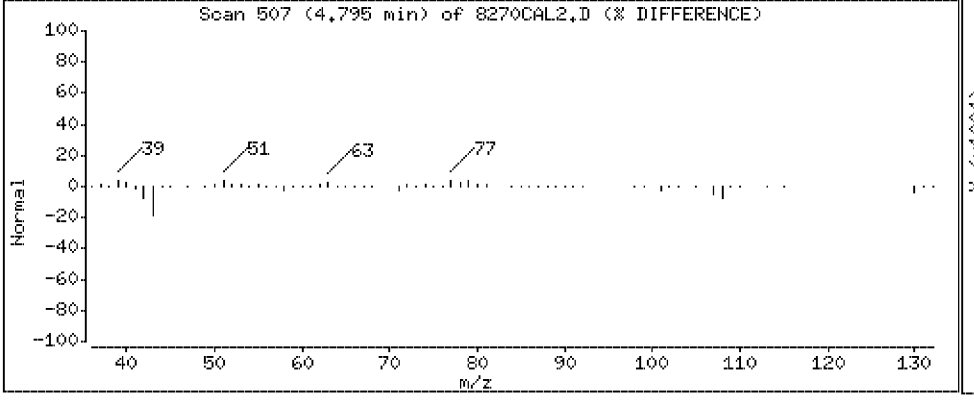
26 N-Nitrosodinpropylamine

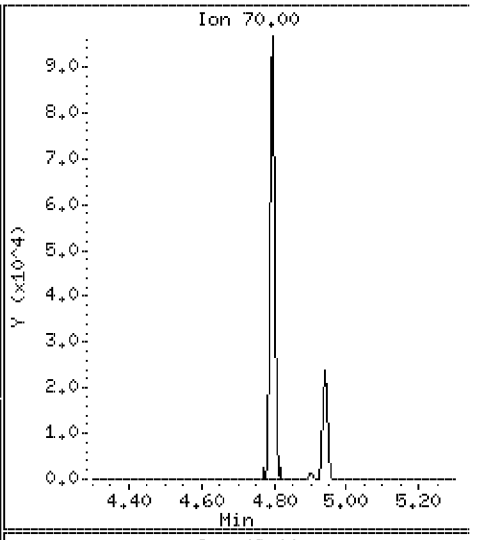
Concentration: 9.2 ug/l

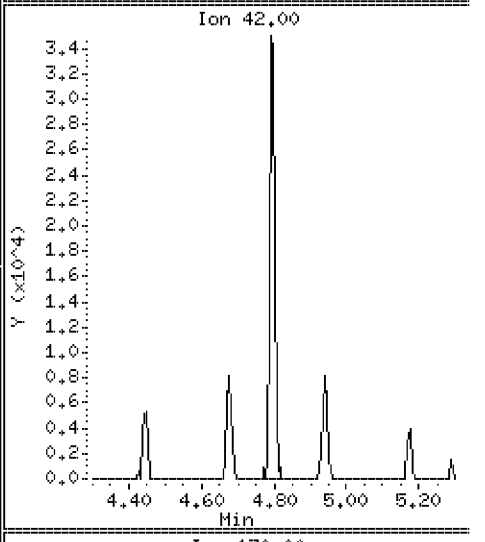


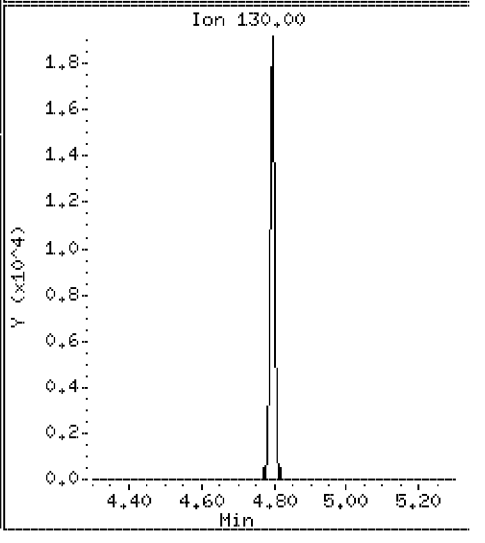












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

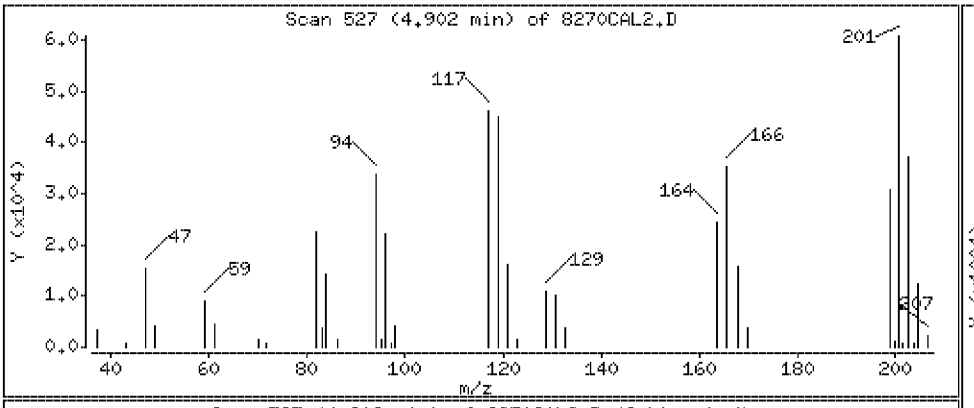
Operator: PEL

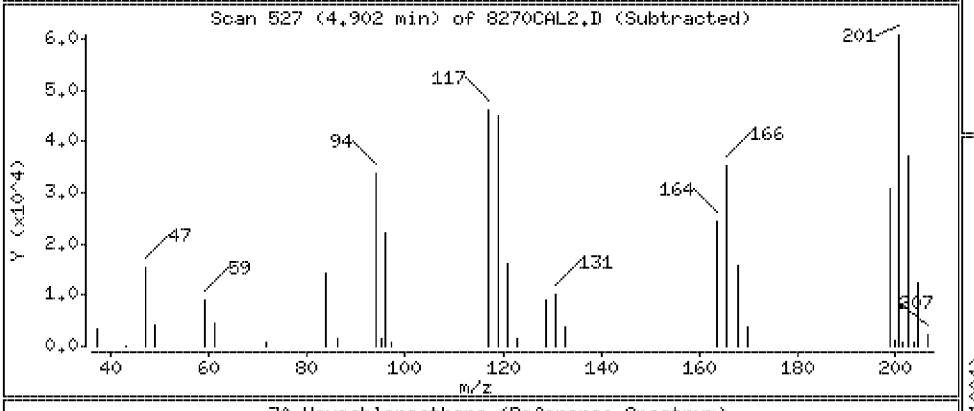
Column phase: HPMS-5

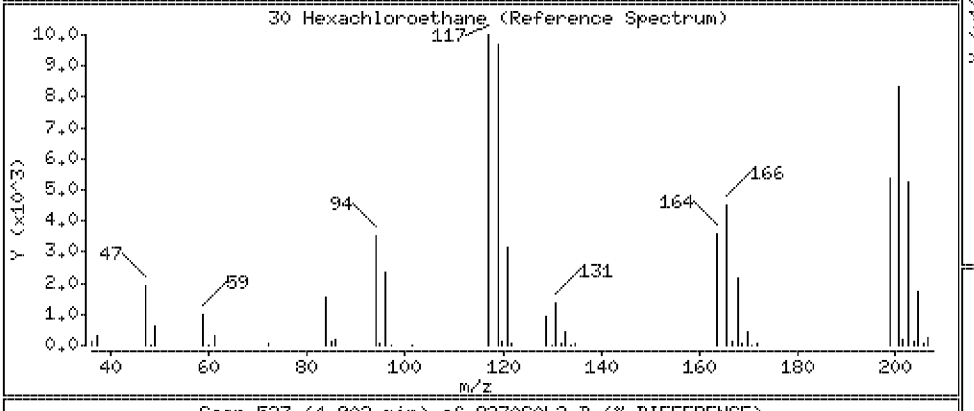
Column diameter: 0.25

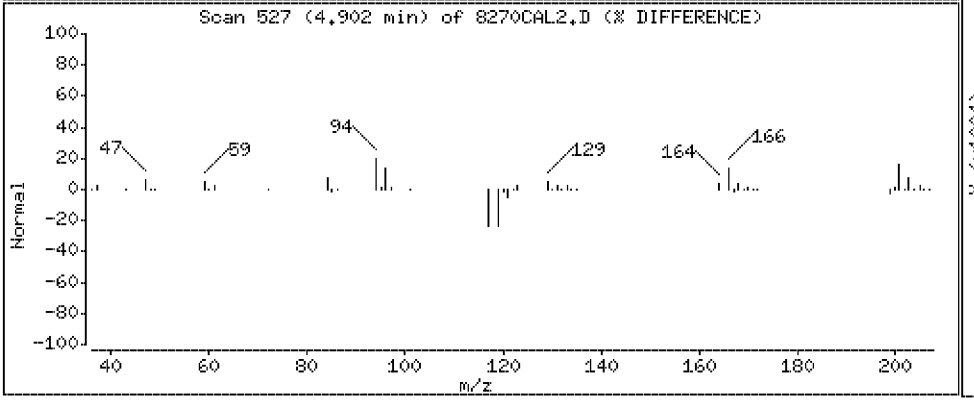
30 Hexachloroethane

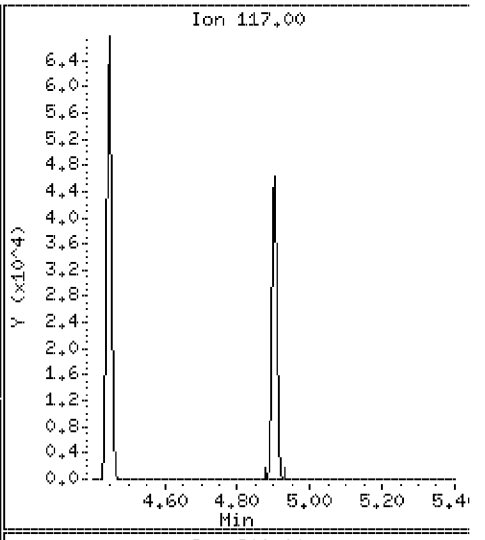
Concentration: 9.4 ug/l

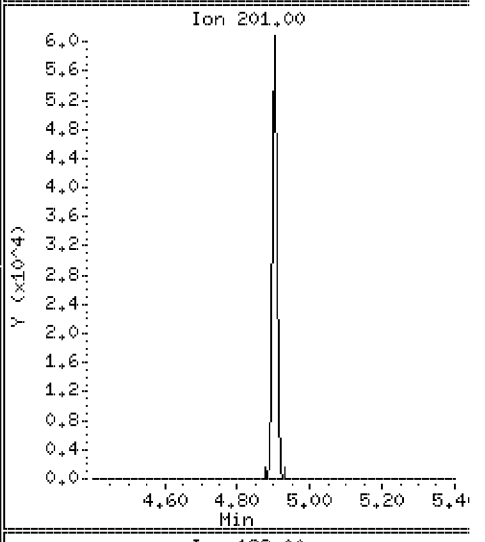


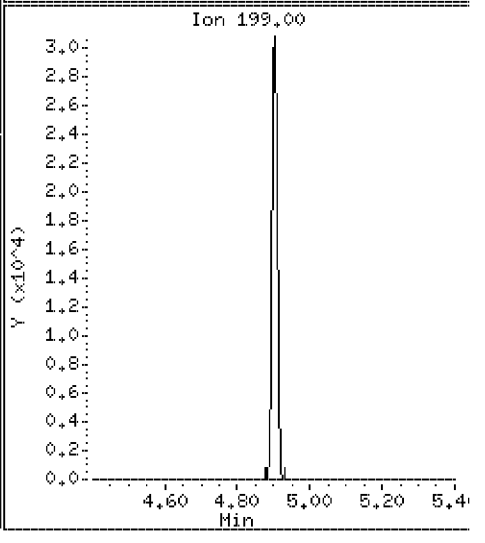












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

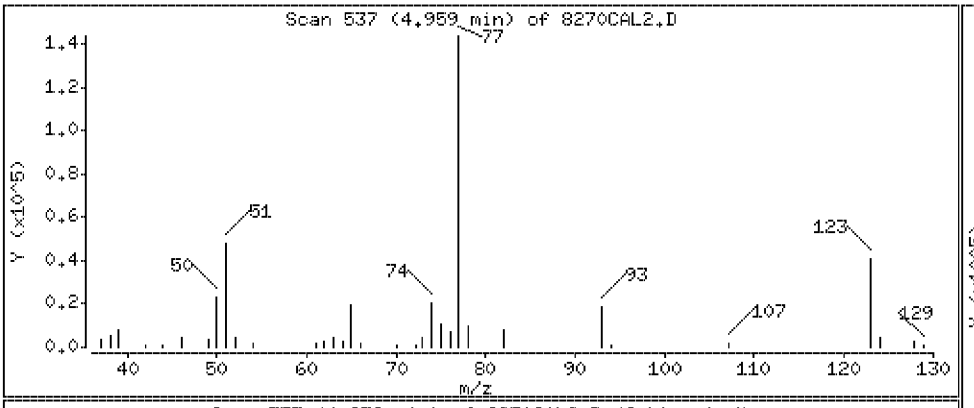
Operator: PEL

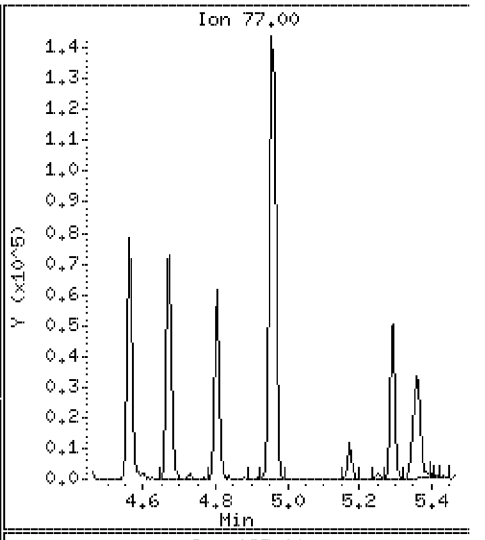
Column phase: HPMS-5

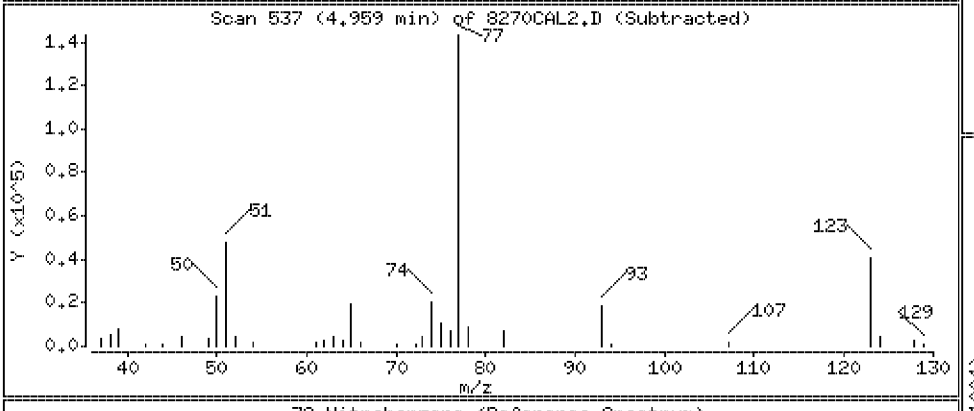
Column diameter: 0.25

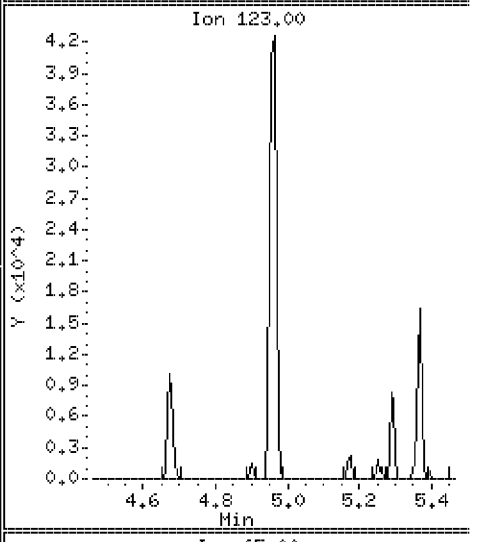
32 Nitrobenzene

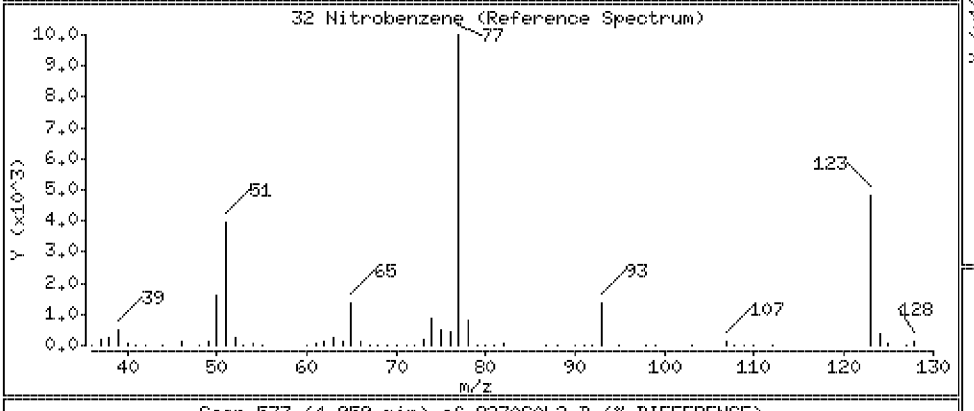
Concentration: 9.8 ug/l

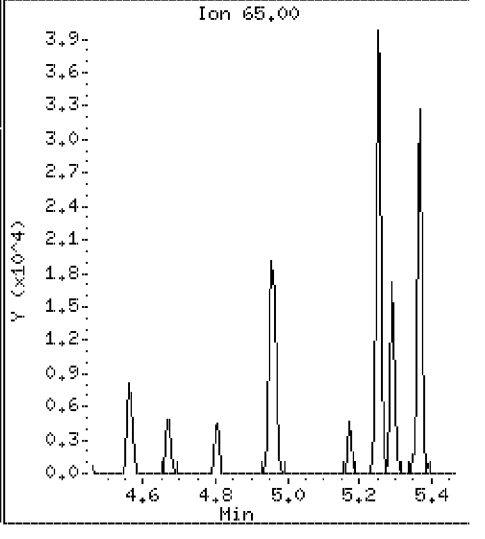


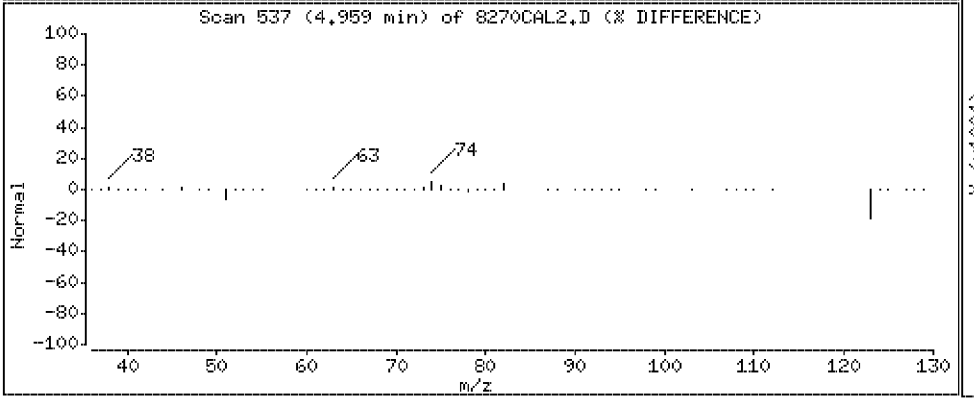












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

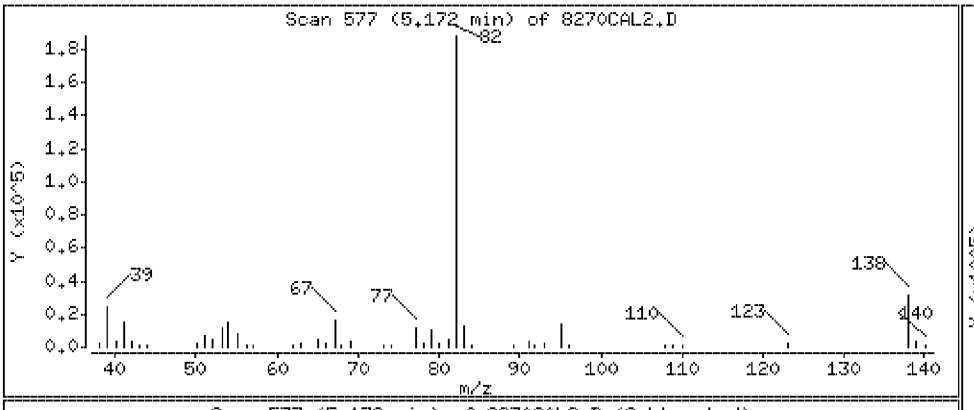
Operator: PEL

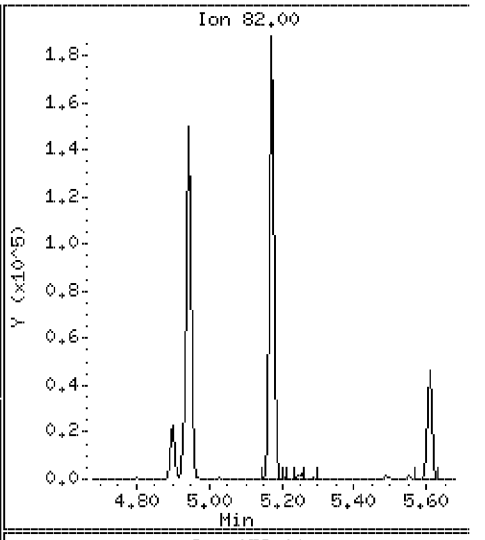
Column phase: HPMS-5

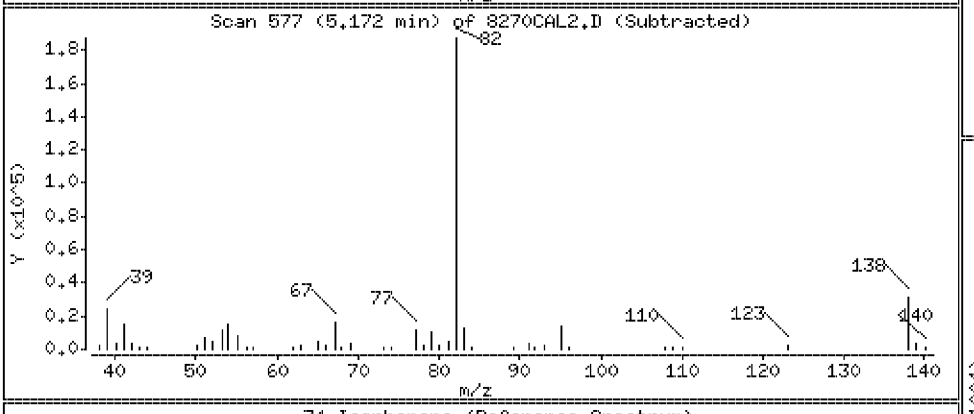
Column diameter: 0.25

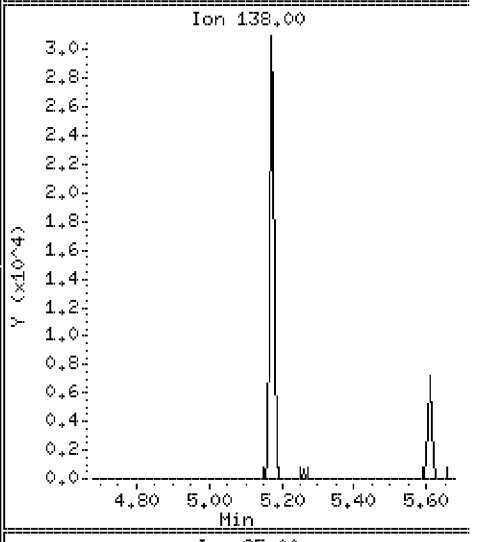
34 Isophorone

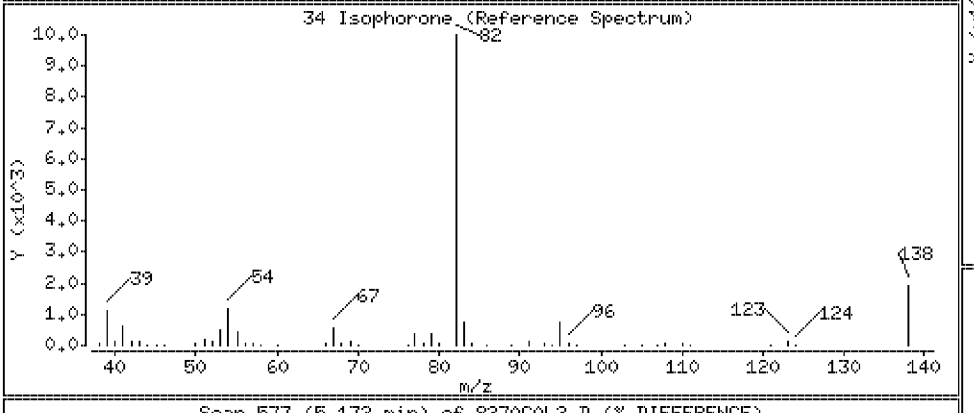
Concentration: 9.9 ug/l

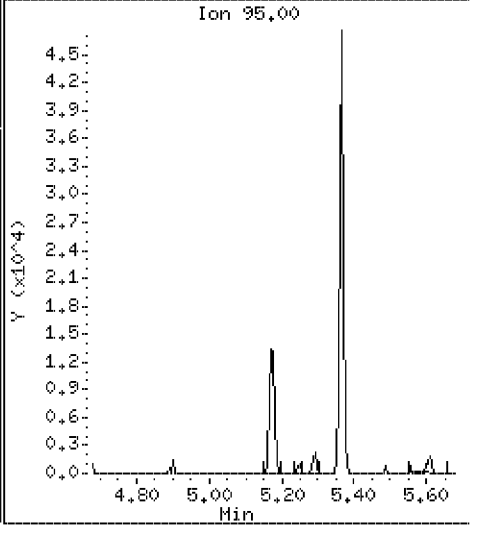


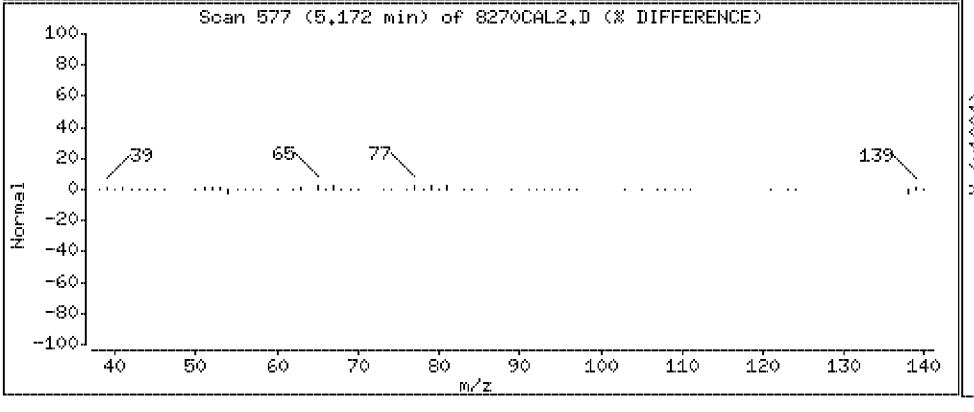












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

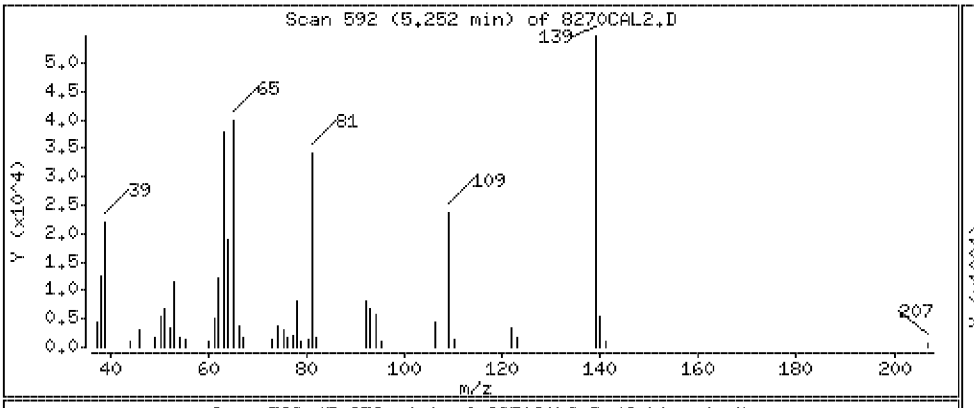
Operator: PEL

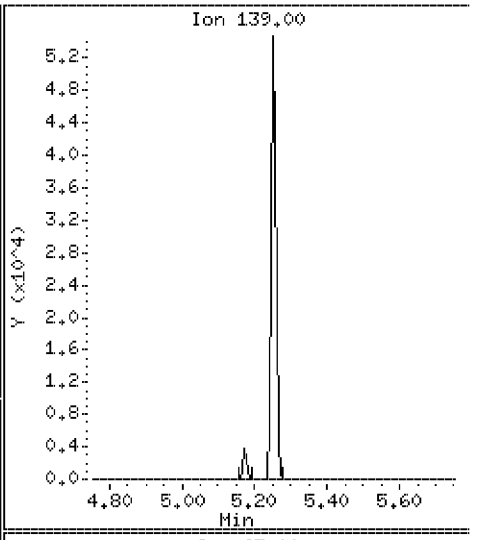
Column phase: HPMS-5

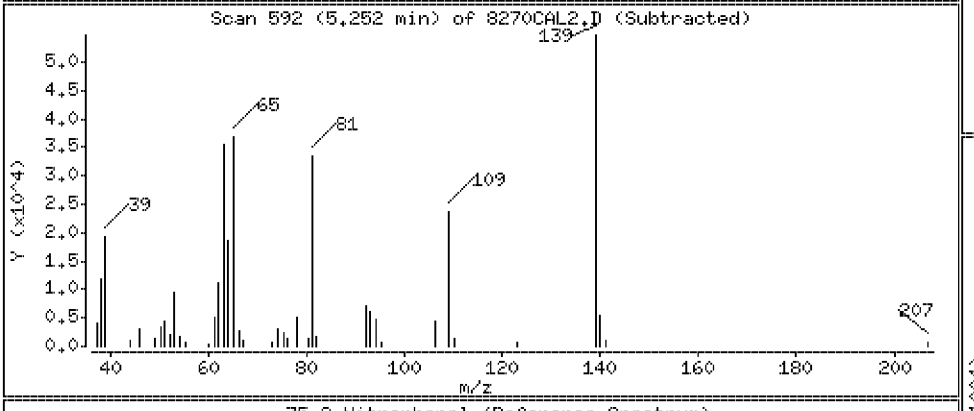
Column diameter: 0.25

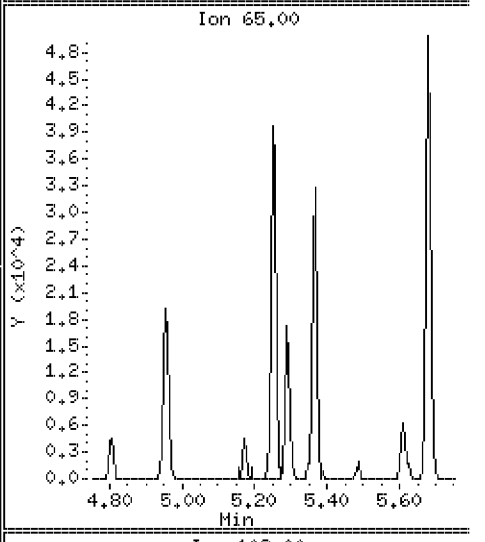
35 2-Nitrophenol

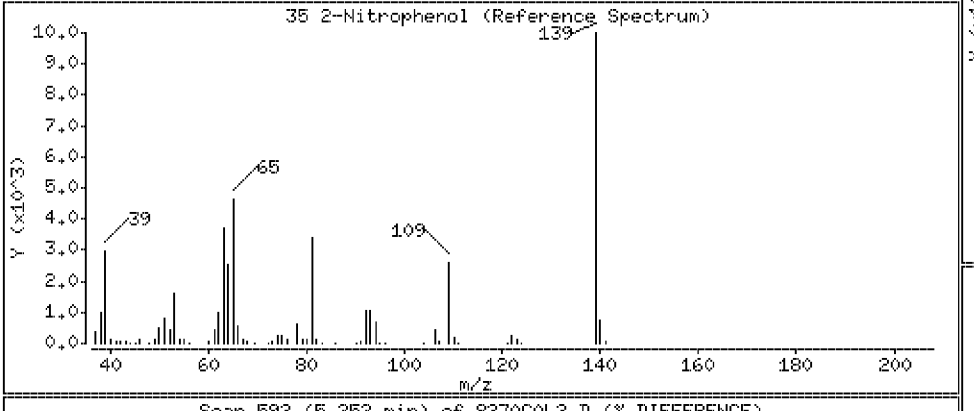
Concentration: 9.5 ug/l

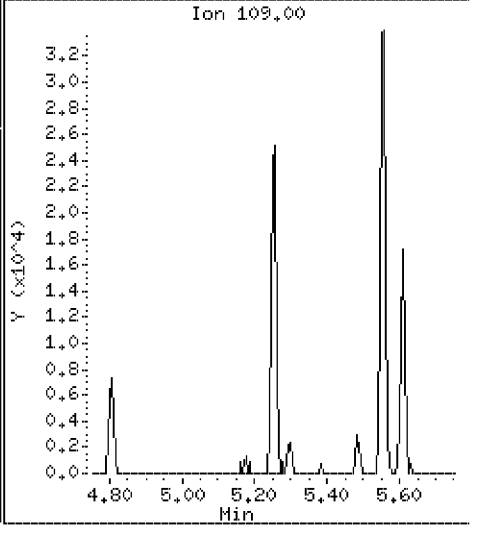


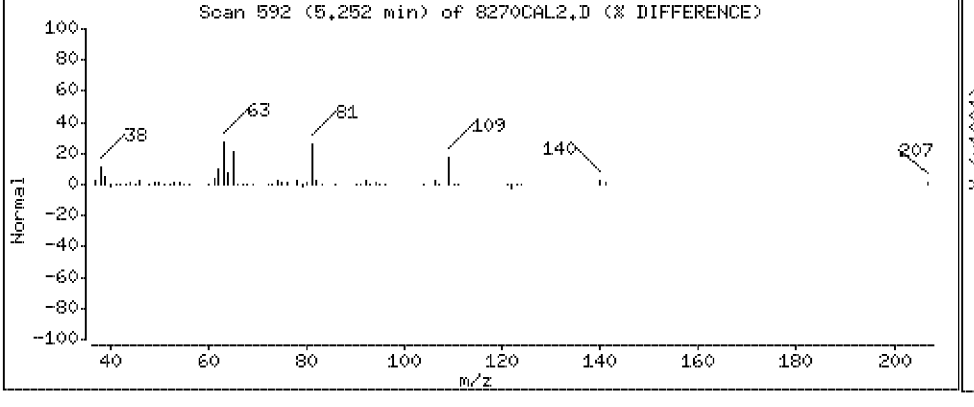












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

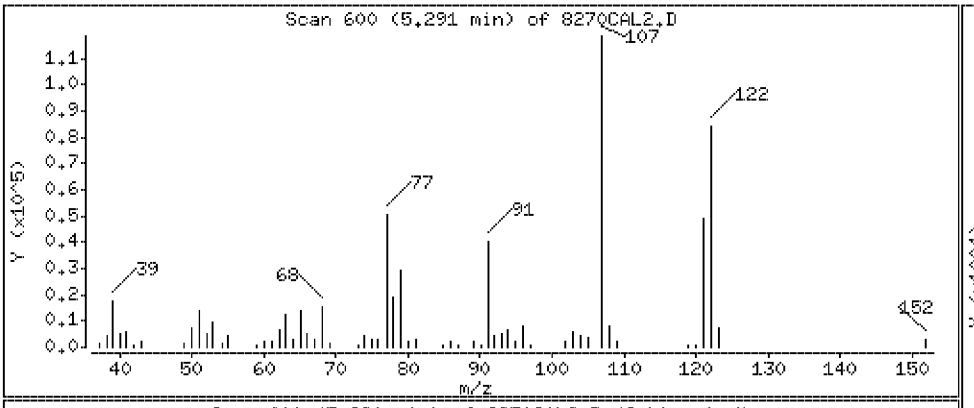
Operator: PEL

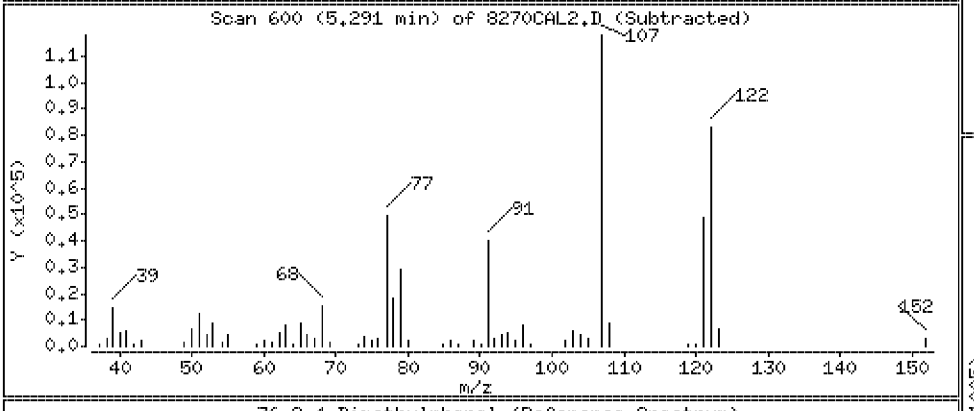
Column phase: HPMS-5

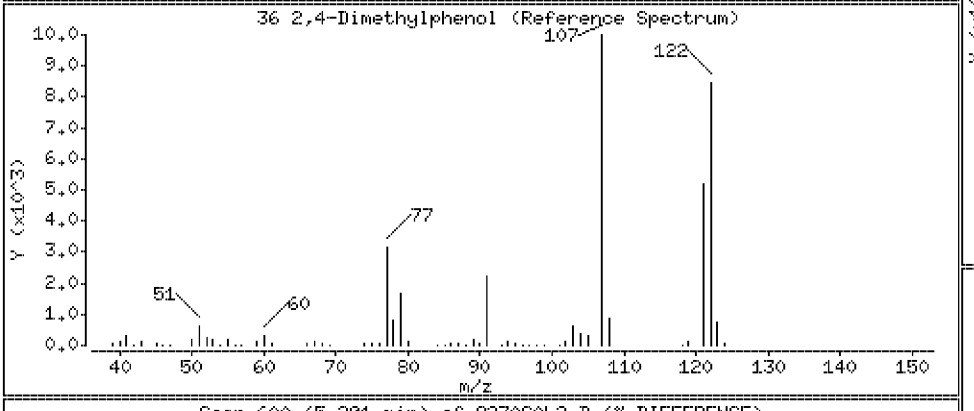
Column diameter: 0.25

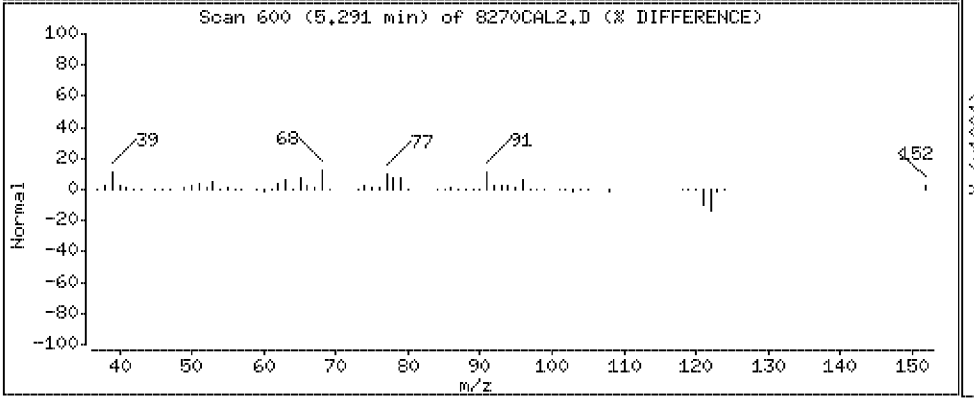
36 2,4-Dimethylphenol

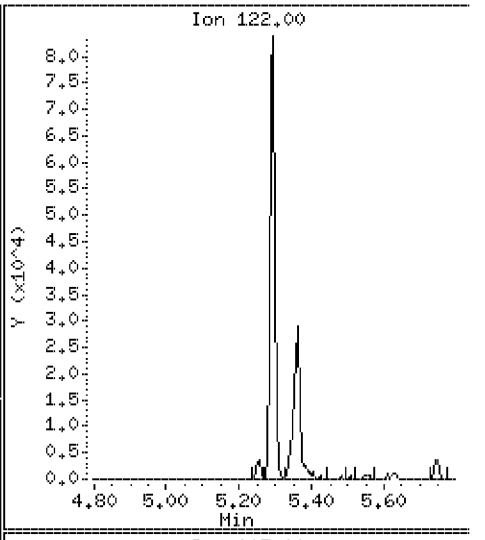
Concentration: 9.6 ug/l

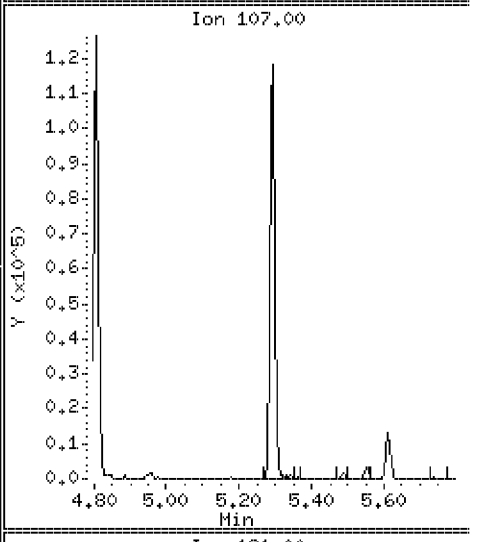


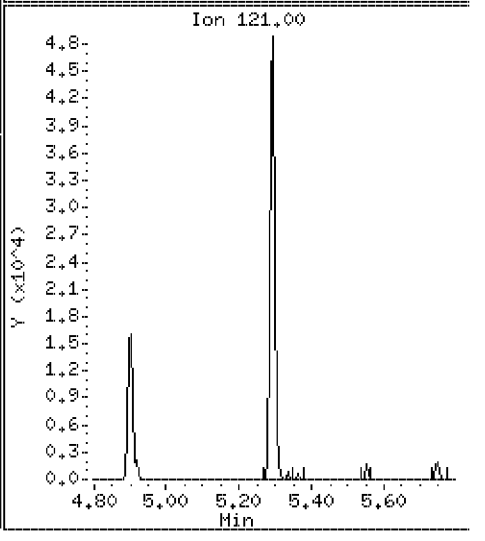












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

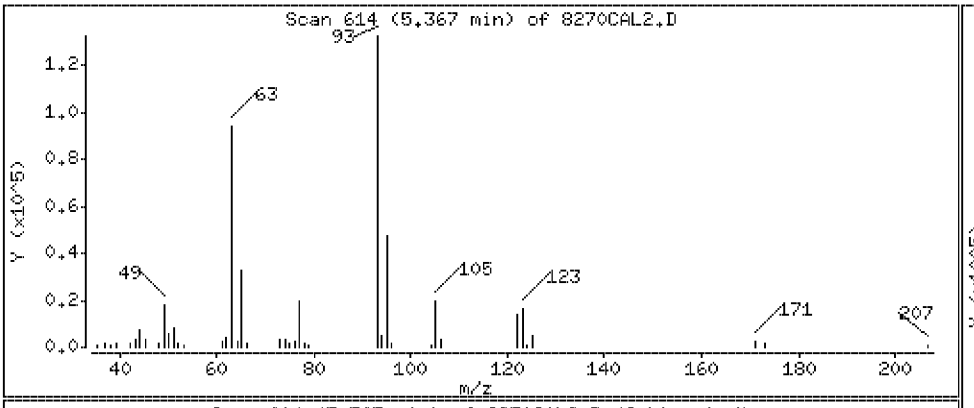
Operator: PEL

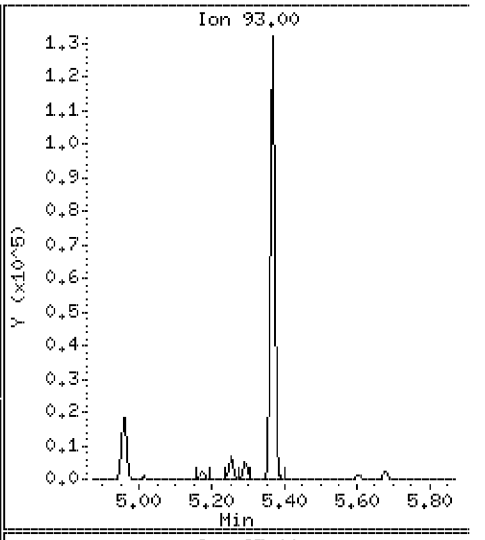
Column phase: HPMS-5

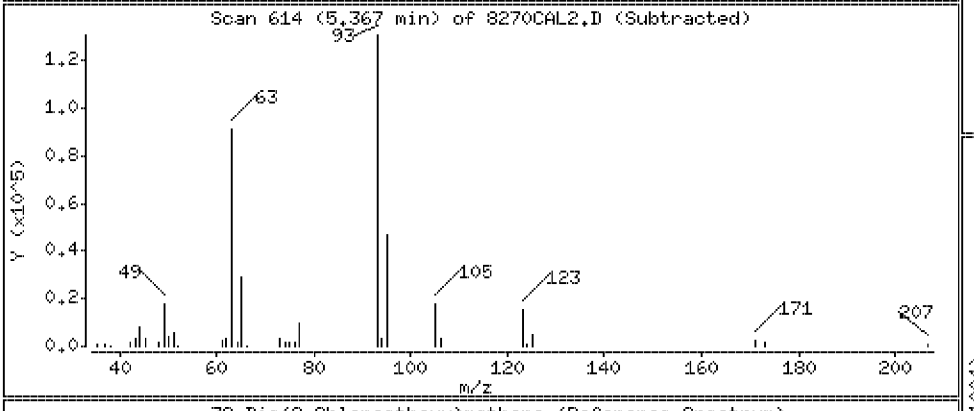
Column diameter: 0.25

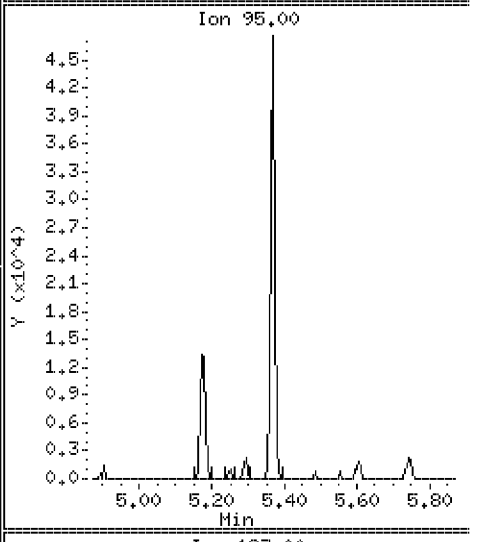
38 Bis(2-Chloroethoxy)methane

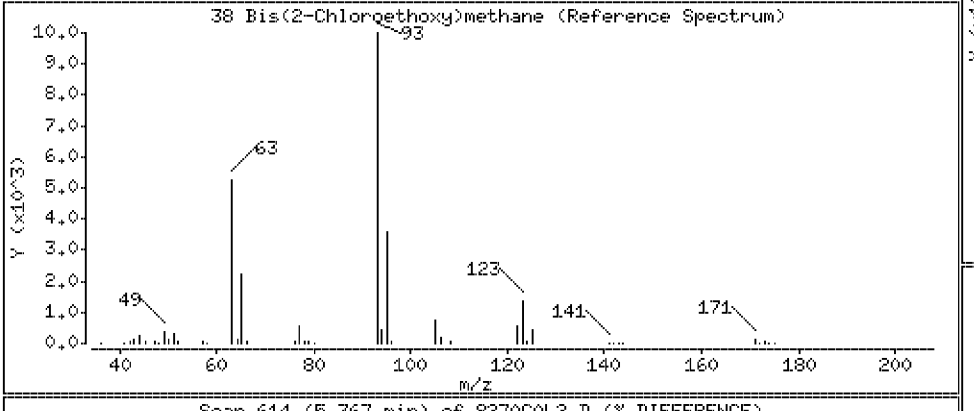
Concentration: 9.5 ug/l

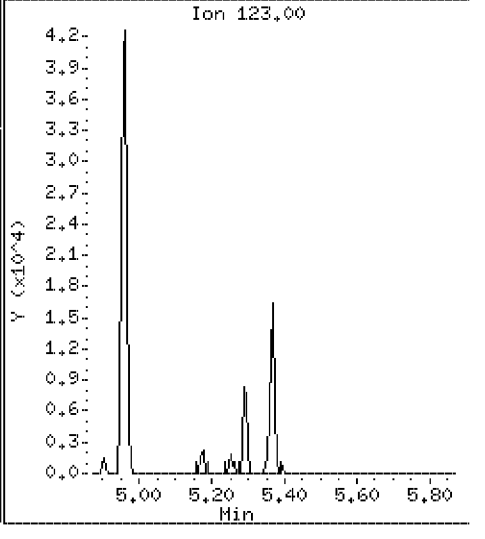


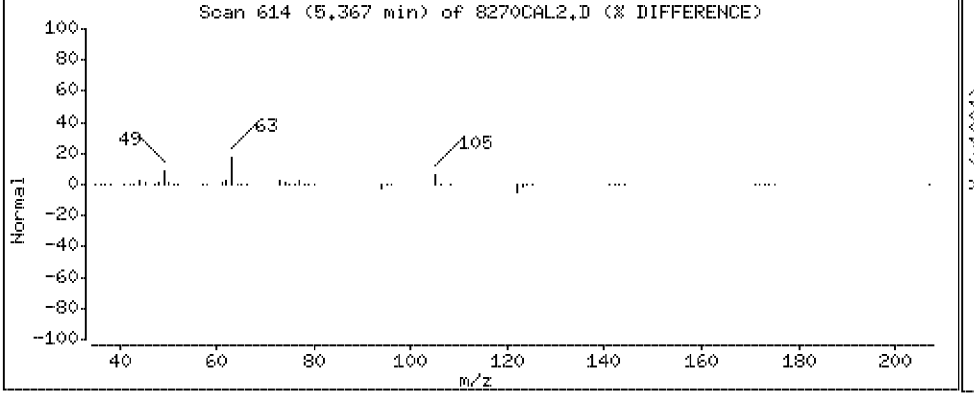












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

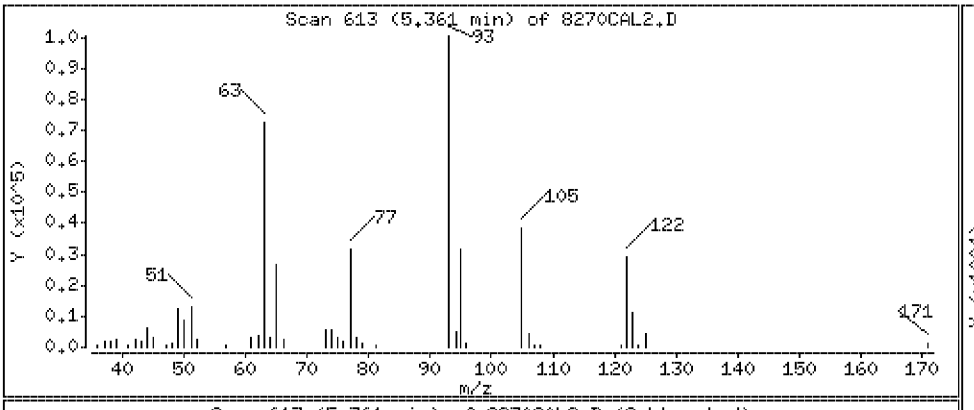
Operator: PEL

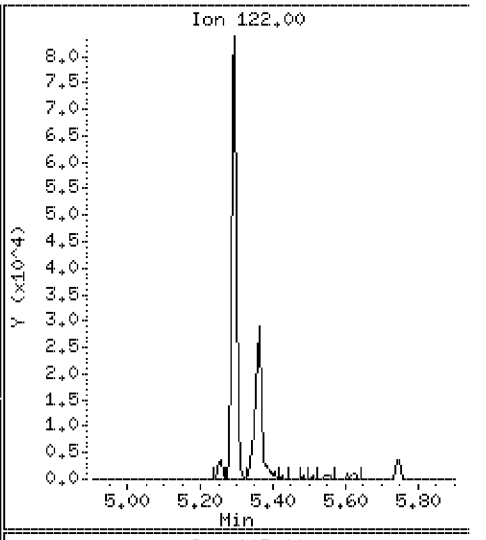
Column phase: HPMS-5

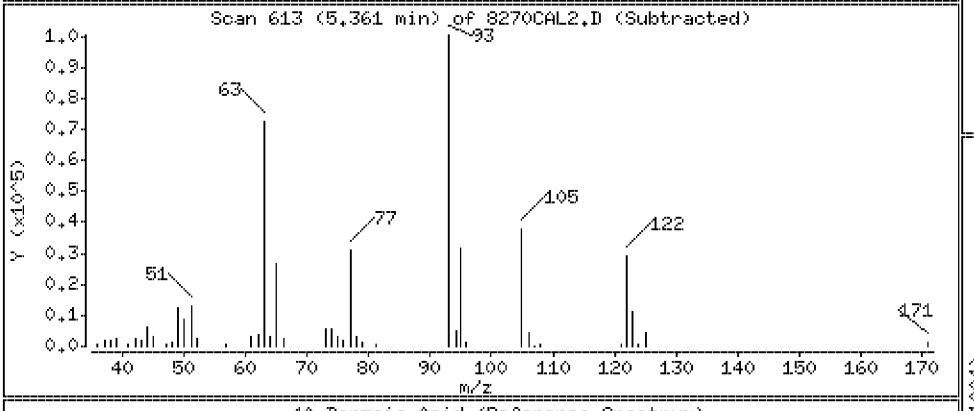
Column diameter: 0.25

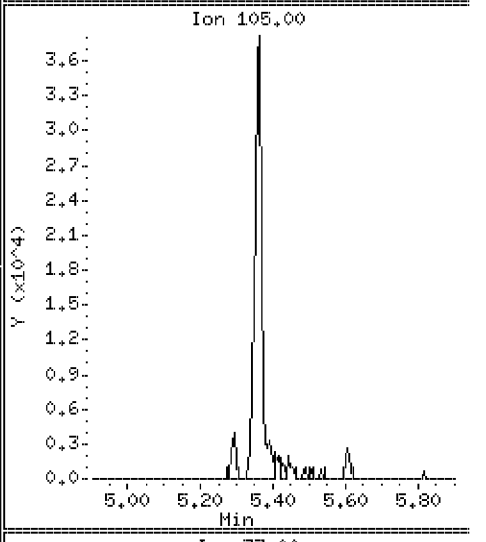
40 Benzoic Acid

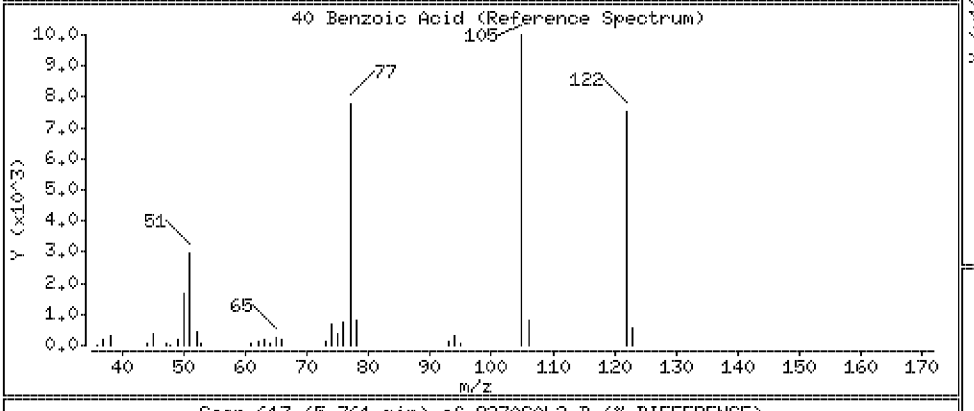
Concentration: 10.2 ug/l

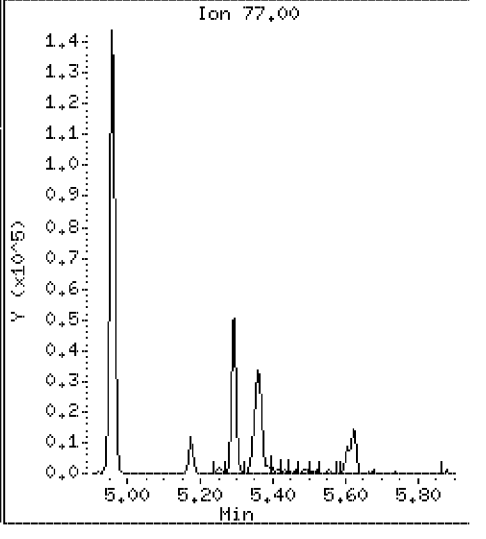


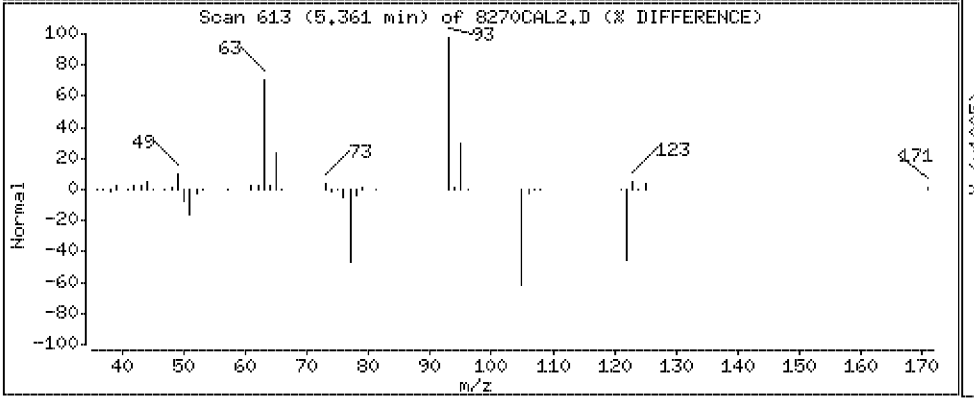












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

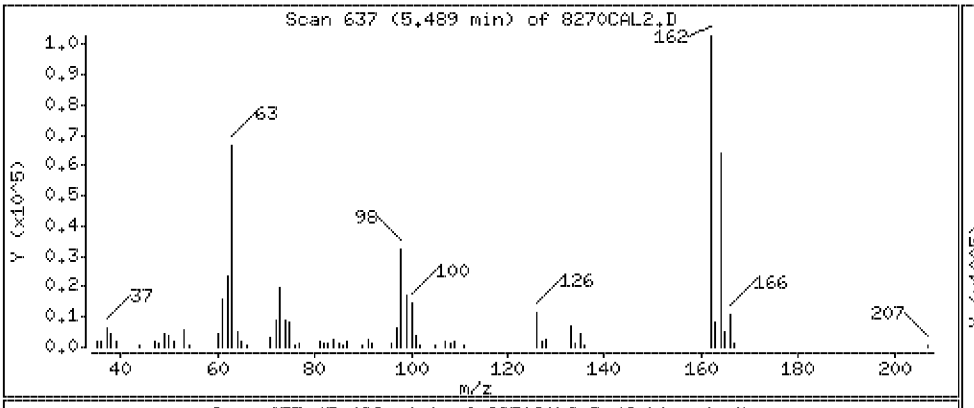
Operator: PEL

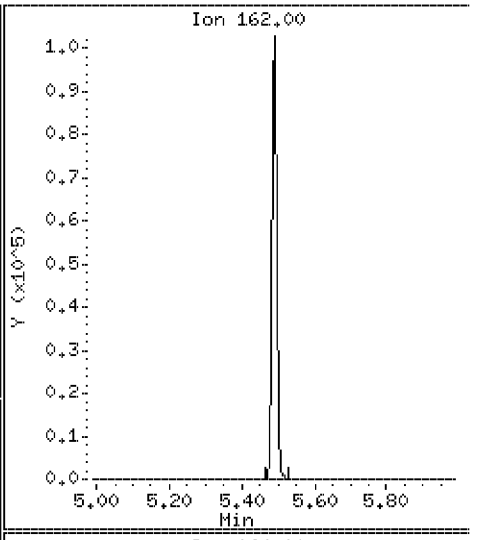
Column phase: HPMS-5

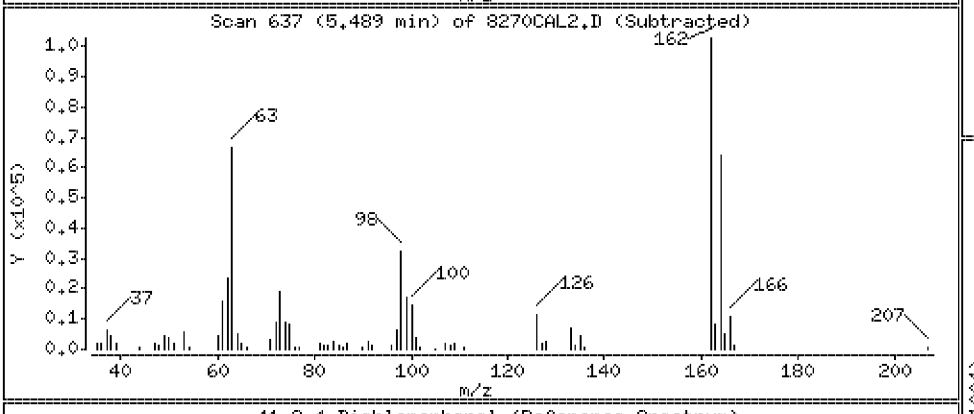
Column diameter: 0.25

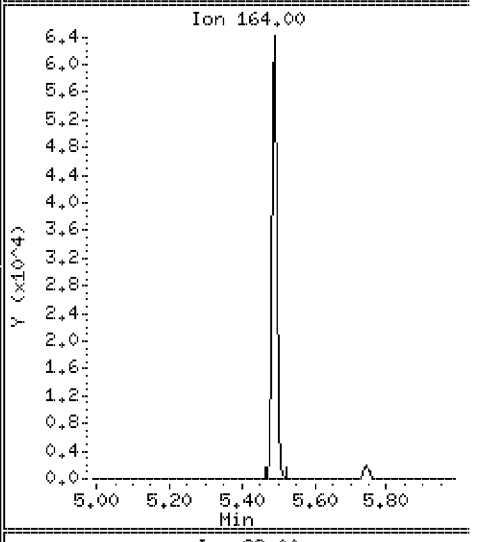
41 2,4-Dichlorophenol

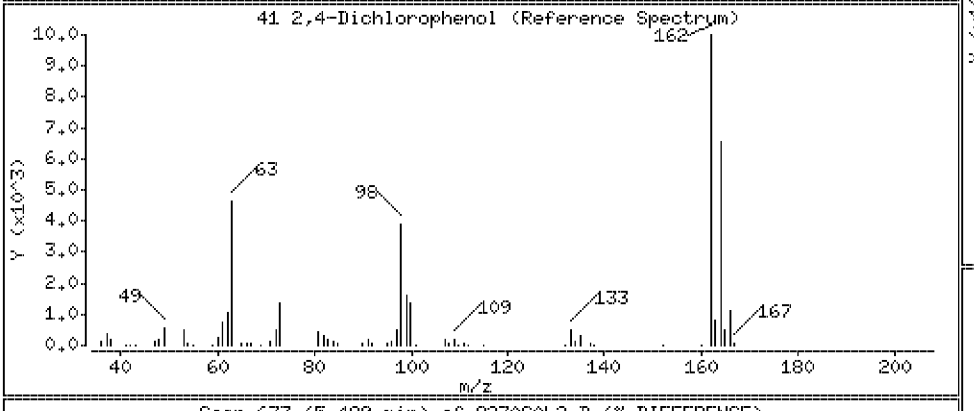
Concentration: 9.7 ug/l

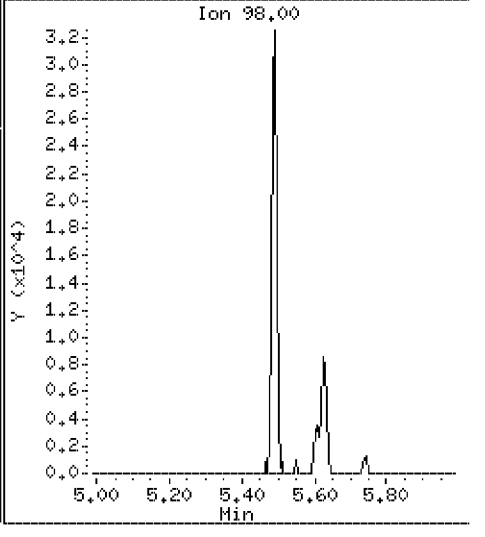


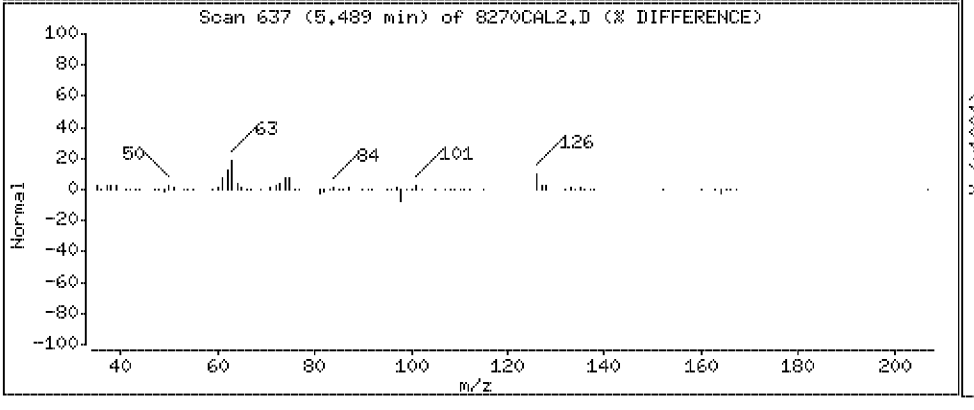












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

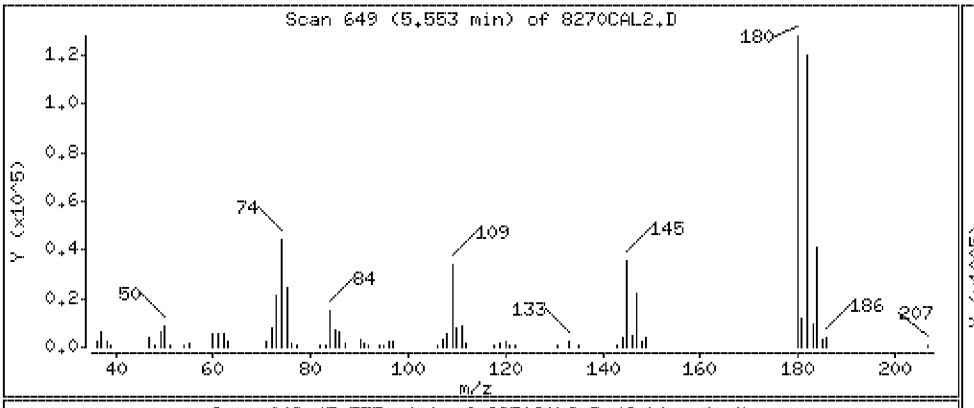
Operator: PEL

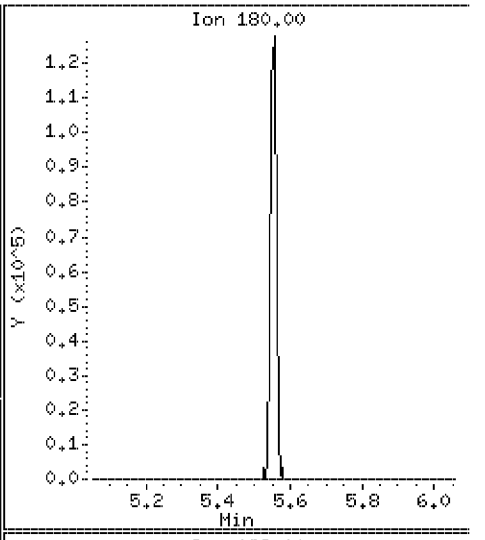
Column phase: HPMS-5

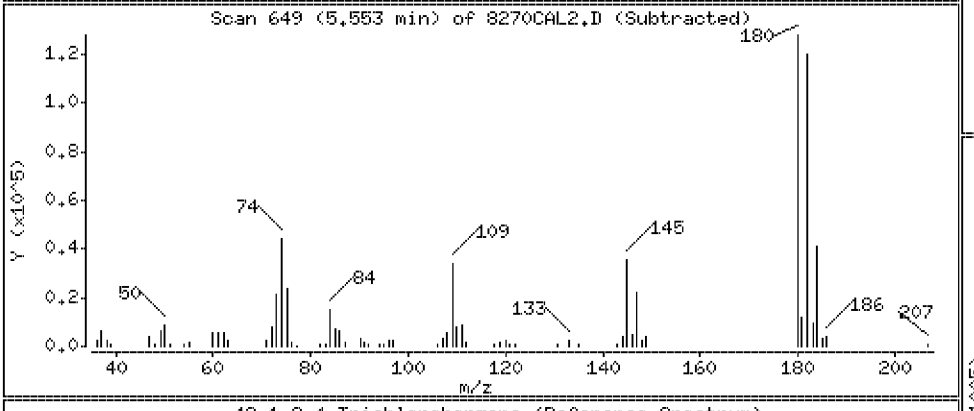
Column diameter: 0.25

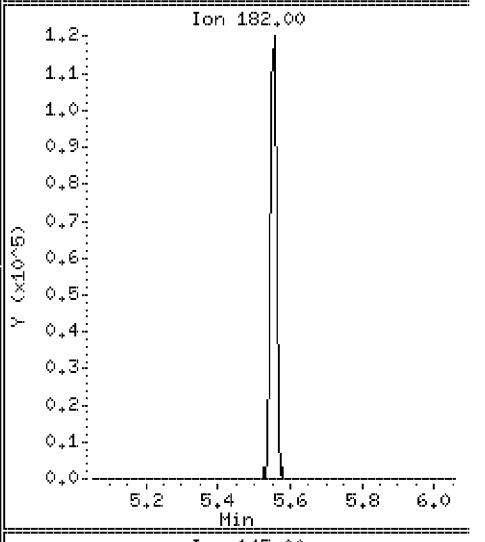
42 1,2,4-Trichlorobenzene

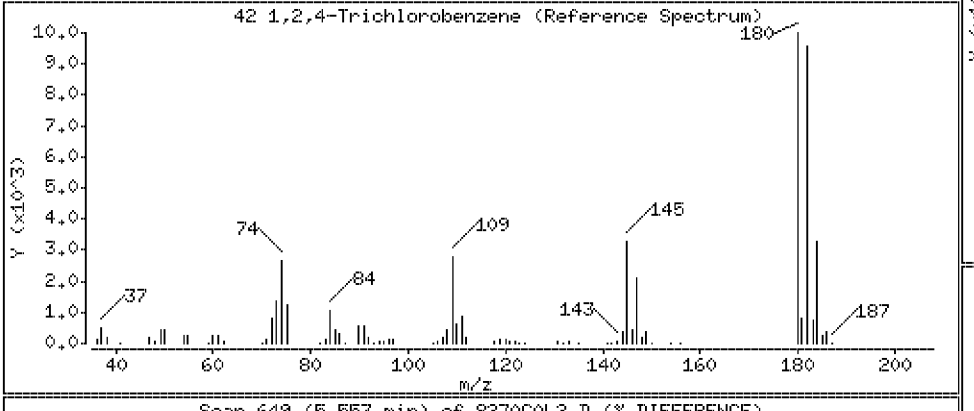
Concentration: 9.6 ug/l

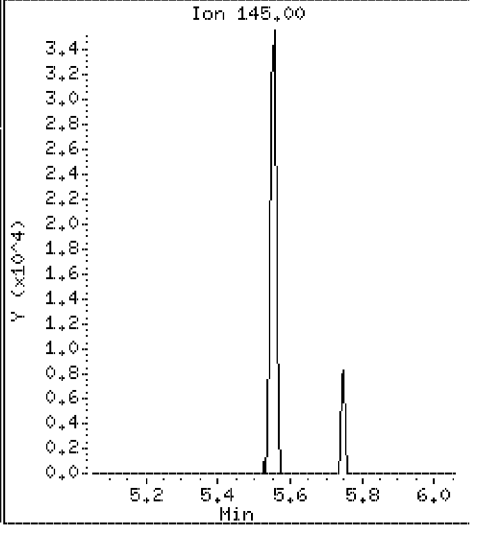


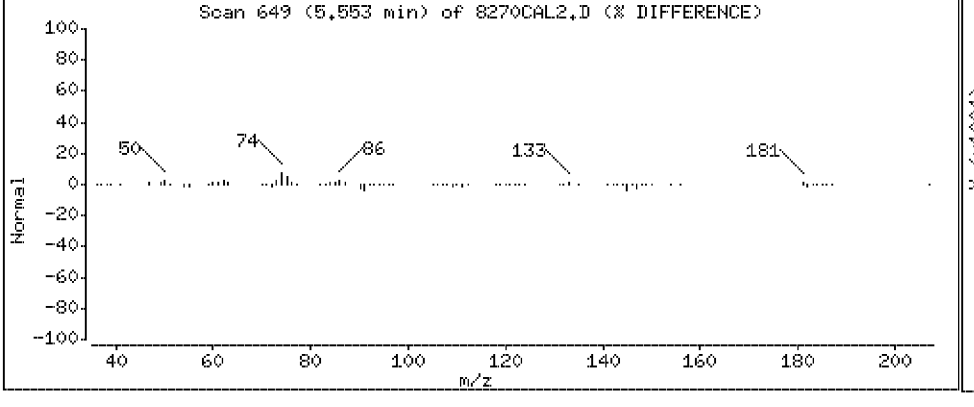












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

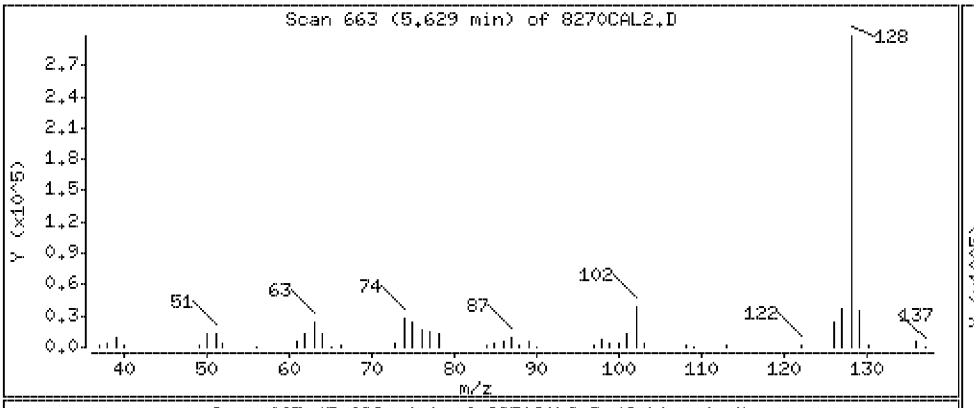
Operator: PEL

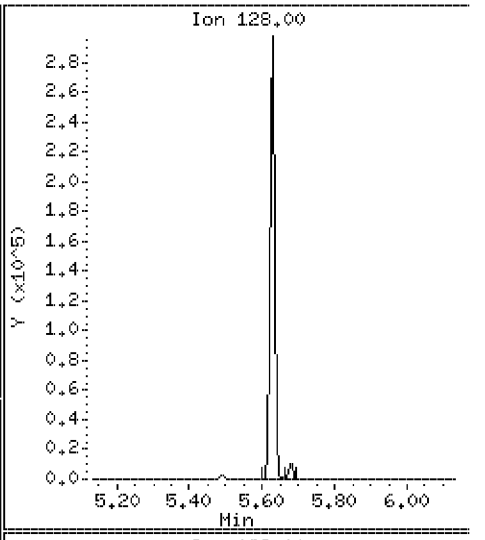
Column phase: HPMS-5

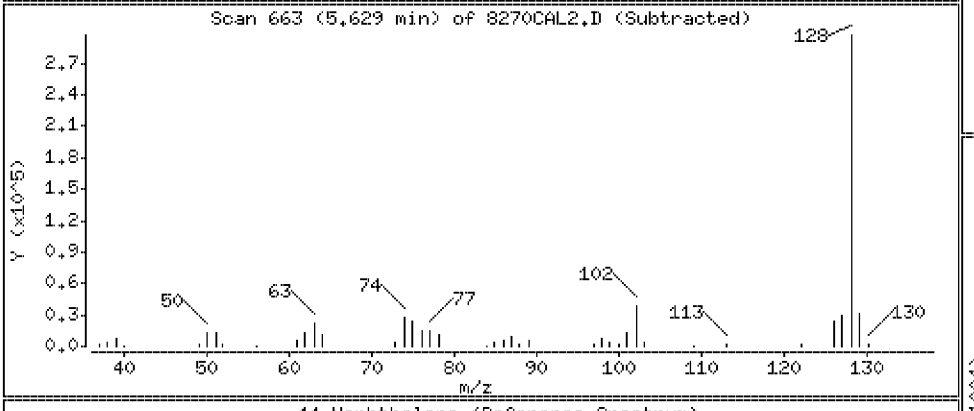
Column diameter: 0.25

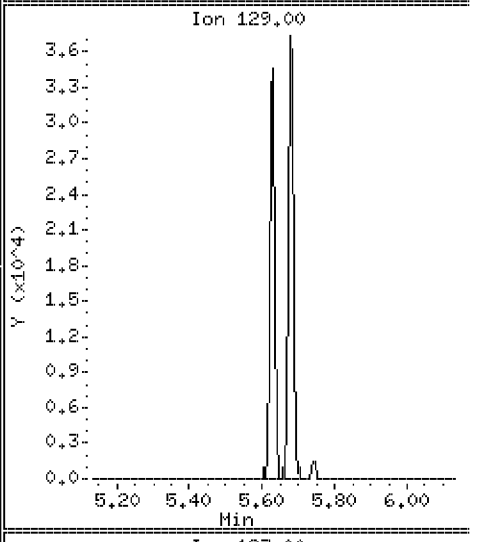
44 Naphthalene

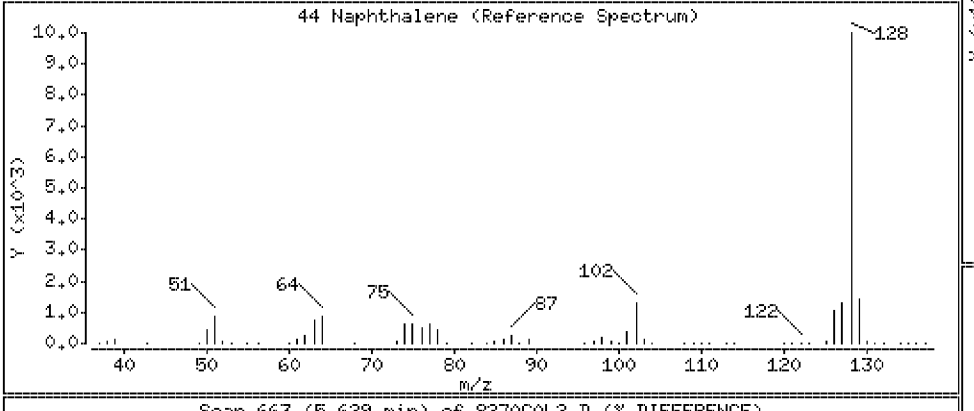
Concentration: 9.6 ug/l

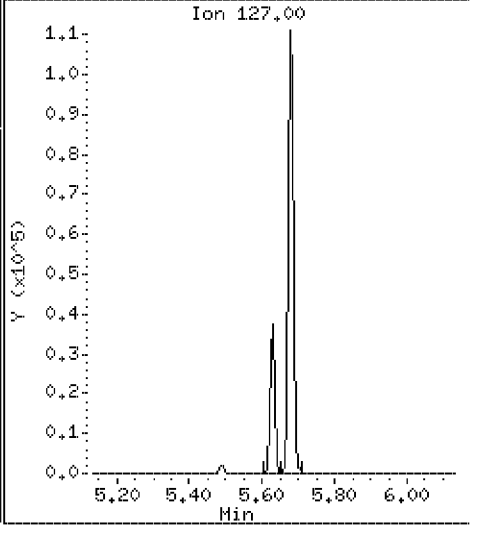


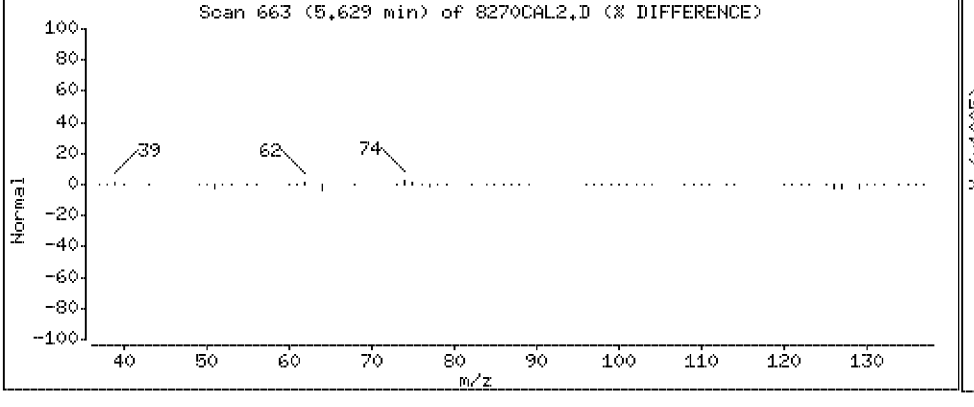












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

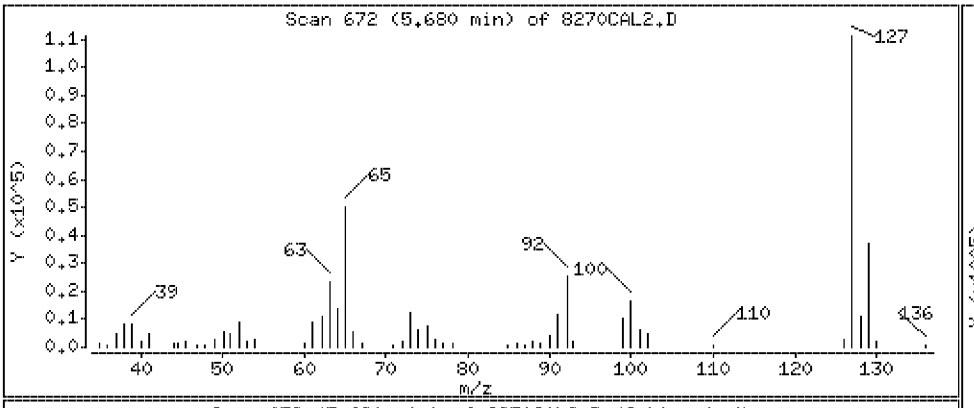
Operator: PEL

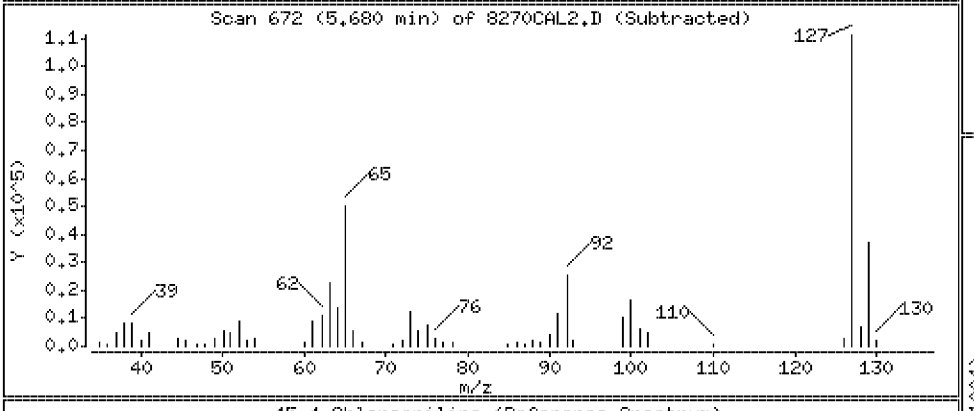
Column phase: HPMS-5

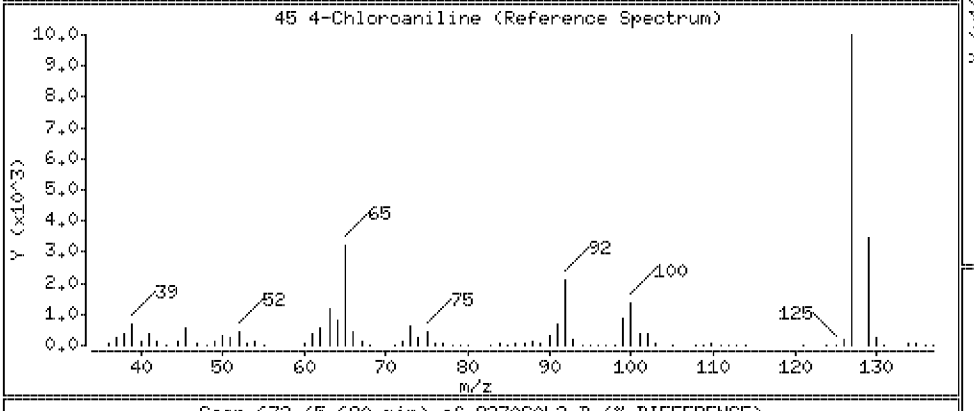
Column diameter: 0.25

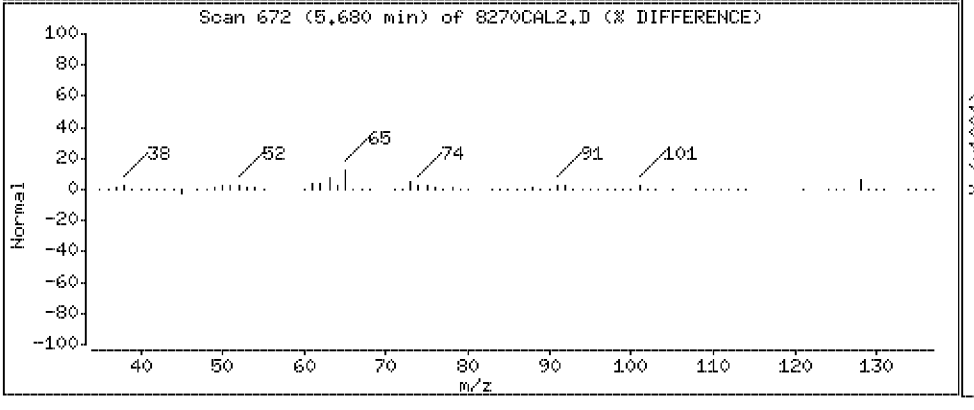
45 4-Chloroaniline

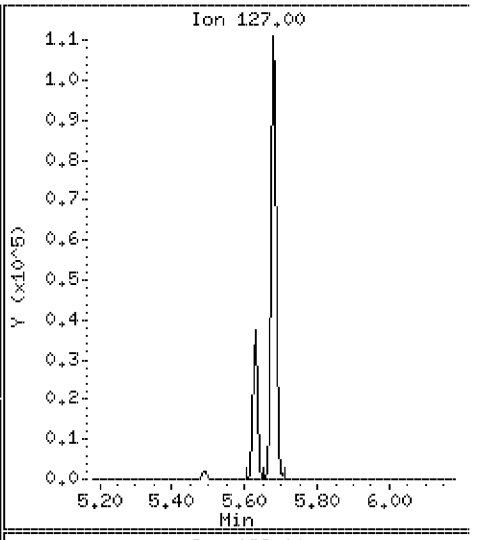
Concentration: 9.5 ug/l

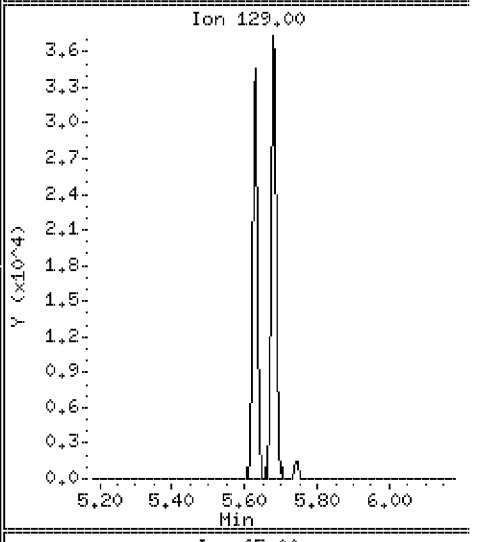


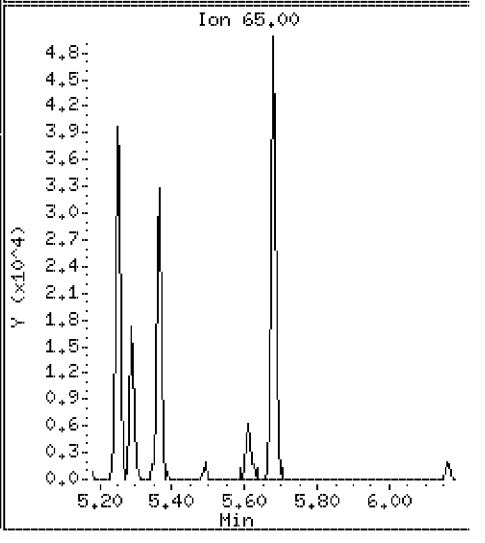












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

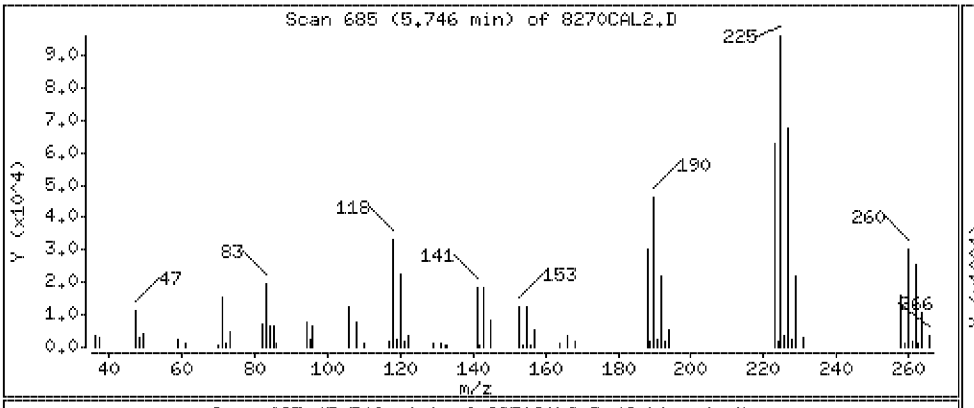
Operator: PEL

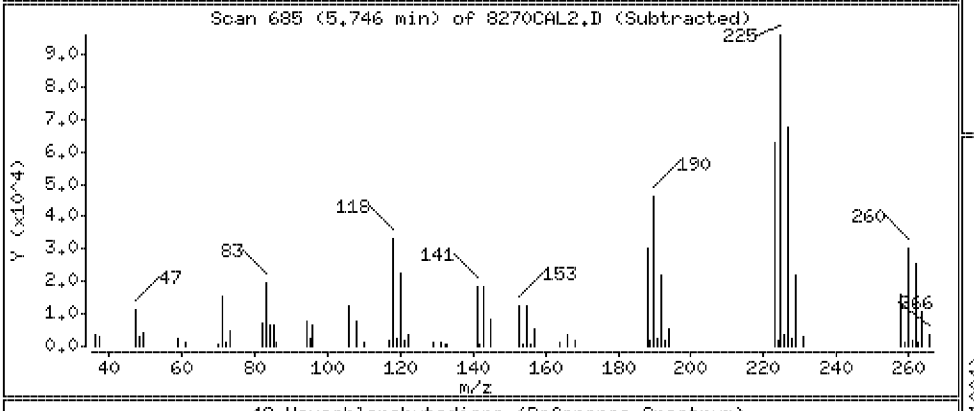
Column phase: HPMS-5

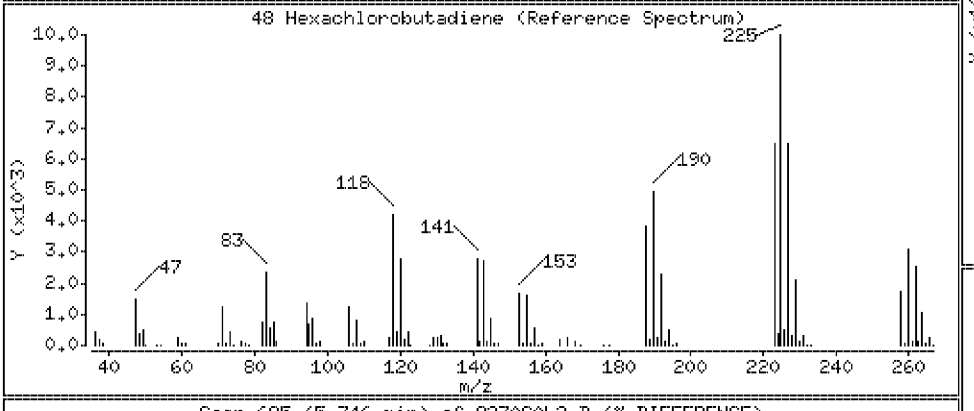
Column diameter: 0.25

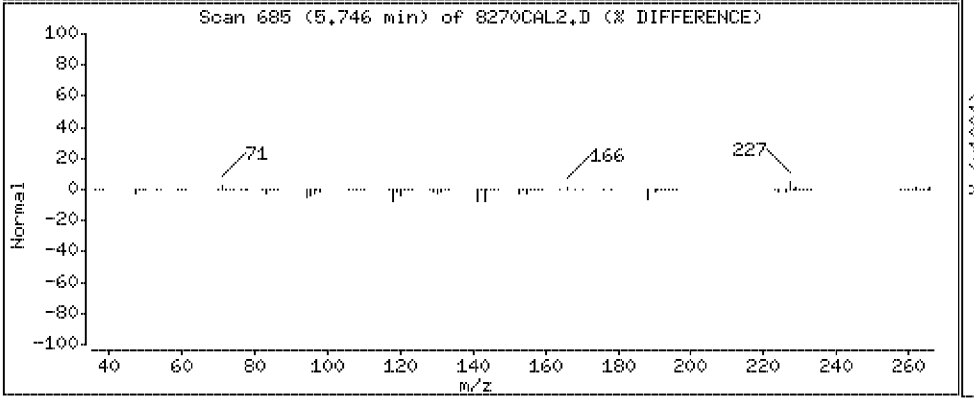
48 Hexachlorobutadiene

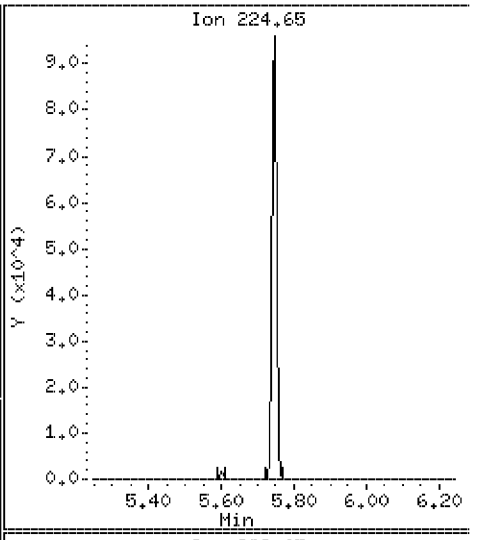
Concentration: 9.2 ug/l

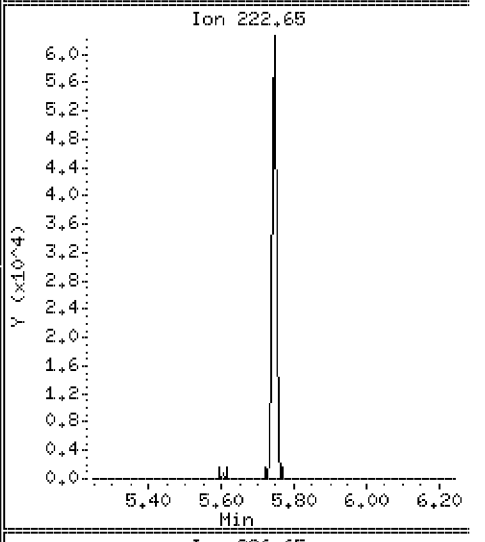


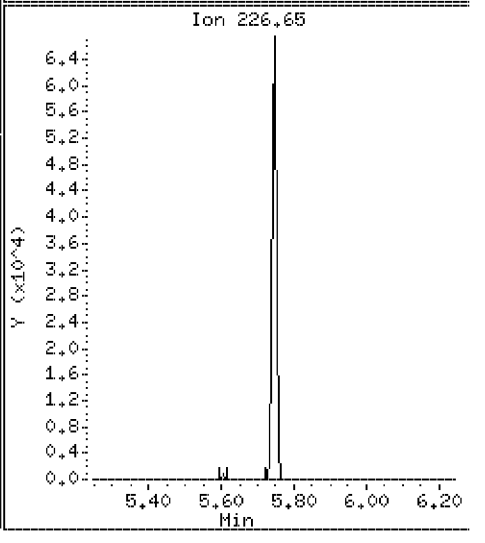












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

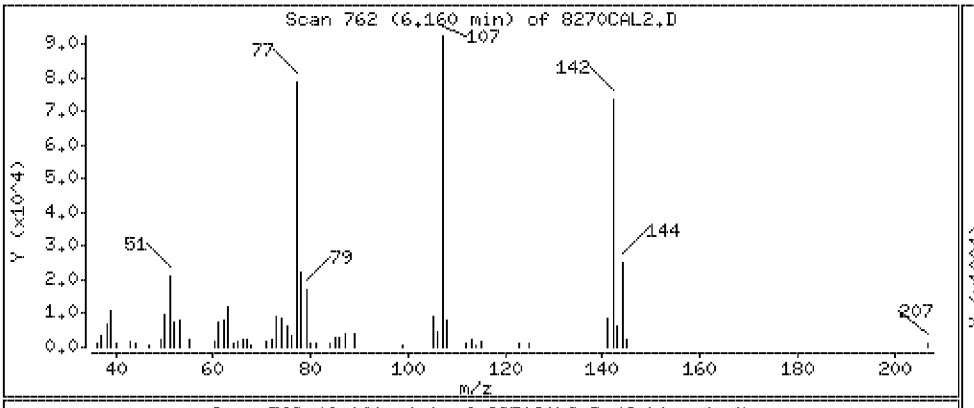
Operator: PEL

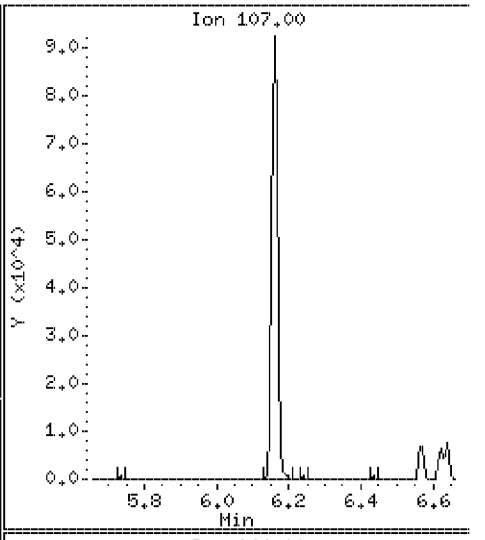
Column phase: HPMS-5

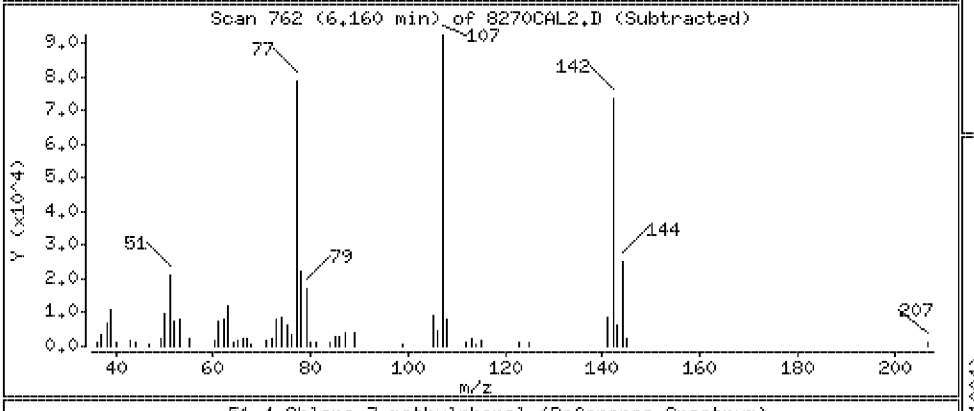
Column diameter: 0.25

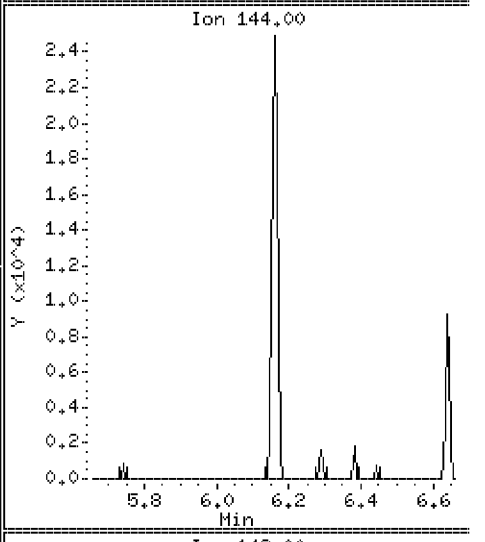
51 4-Chloro-3-methylphenol

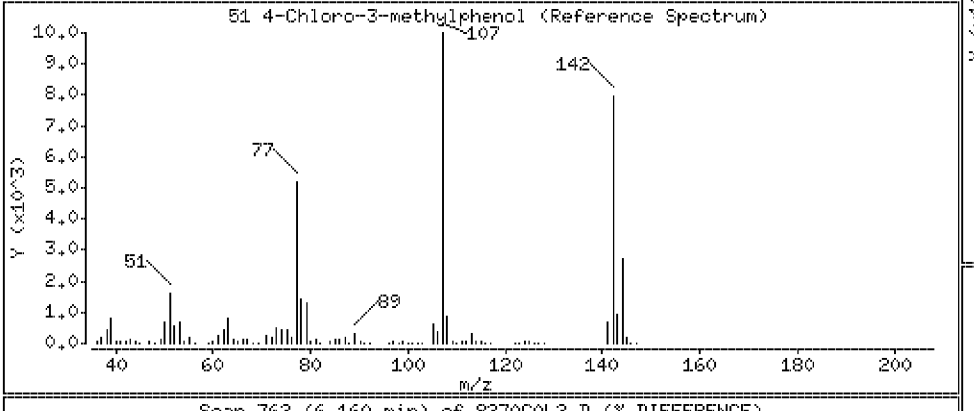
Concentration: 9.3 ug/l

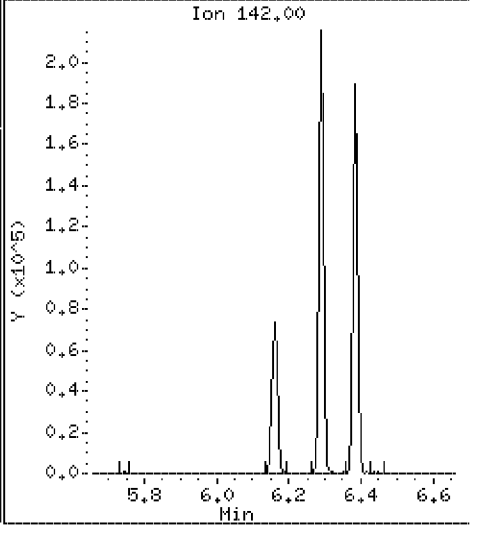


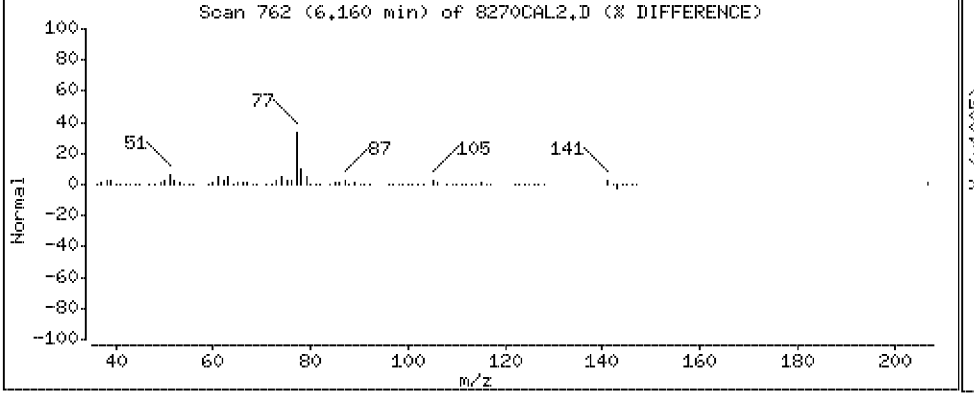












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

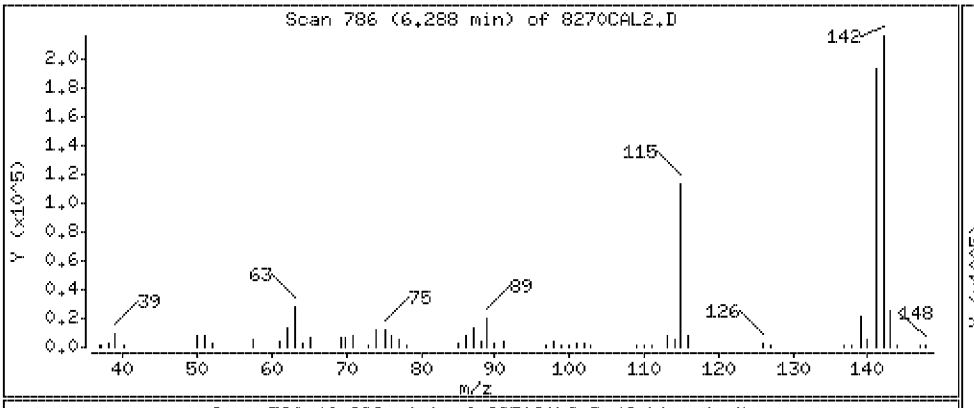
Operator: PEL

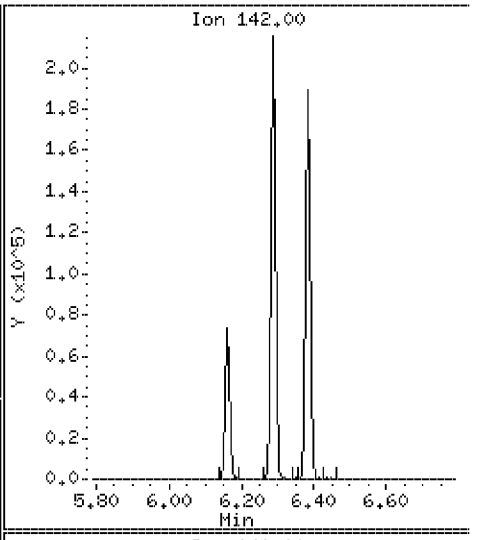
Column phase: HPMS-5

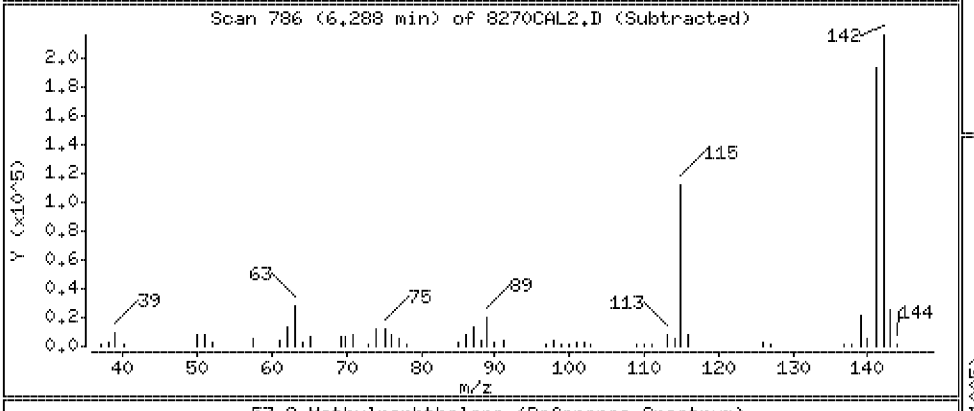
Column diameter: 0.25

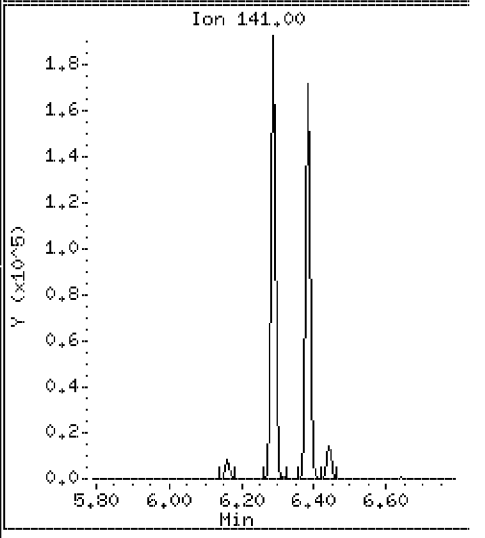
53 2-Methylnaphthalene

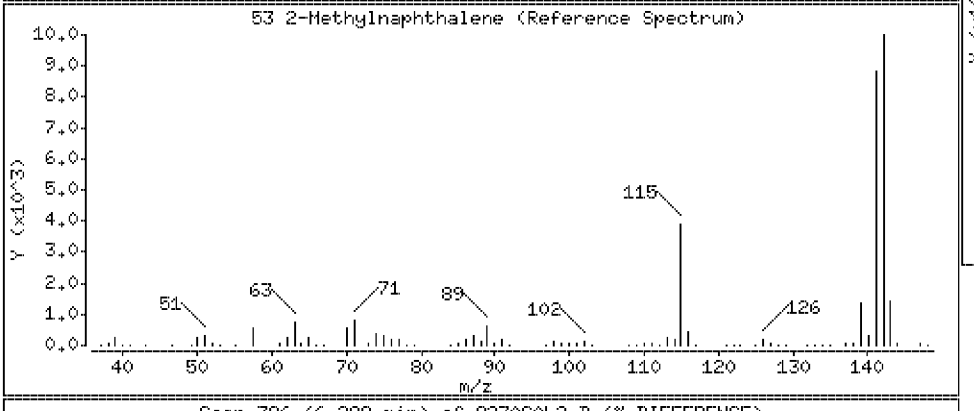
Concentration: 9.4 ug/l

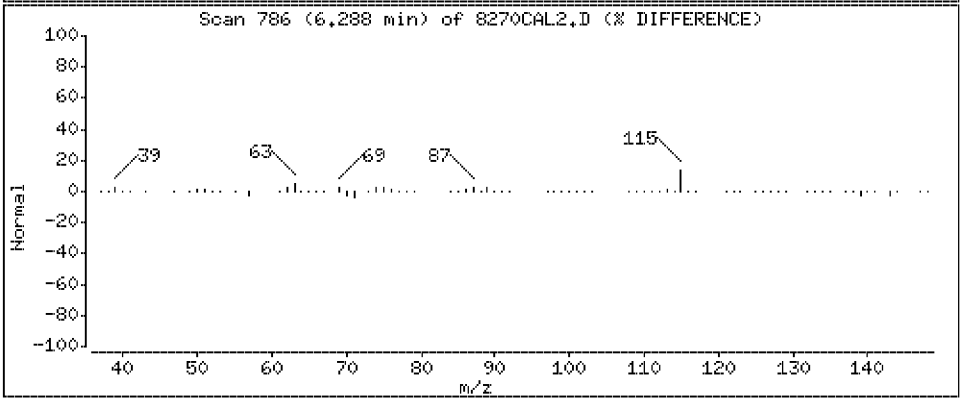












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

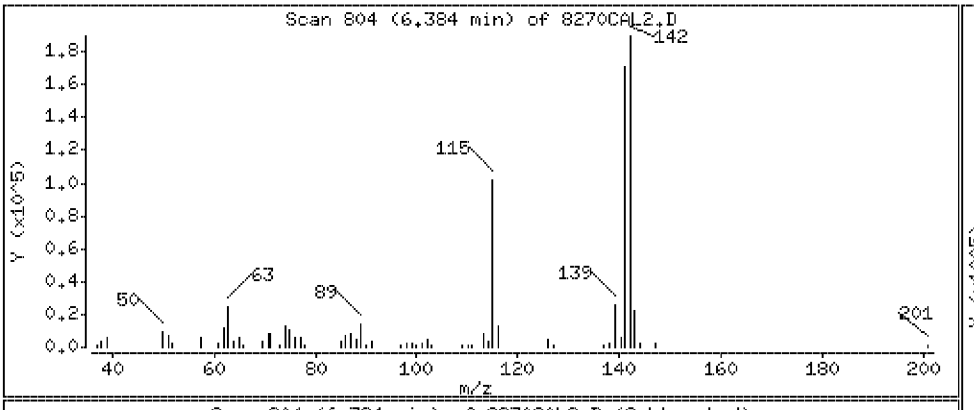
Operator: PEL

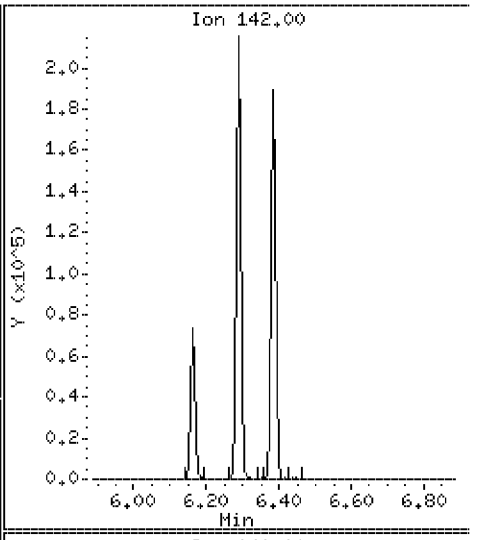
Column phase: HPMS-5

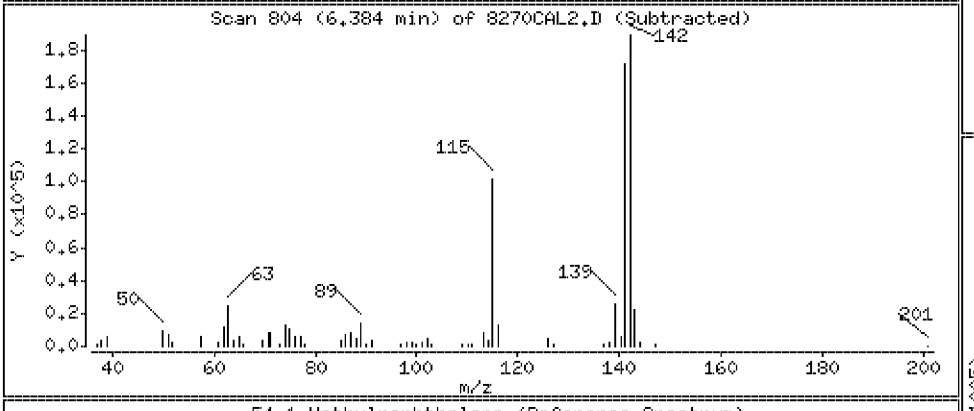
Column diameter: 0.25

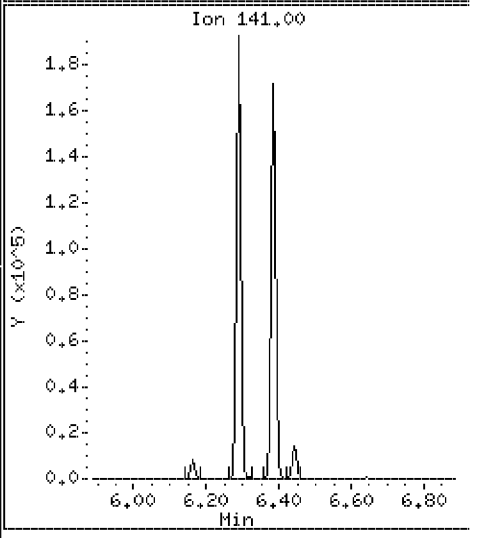
54 1-Methylnaphthalene

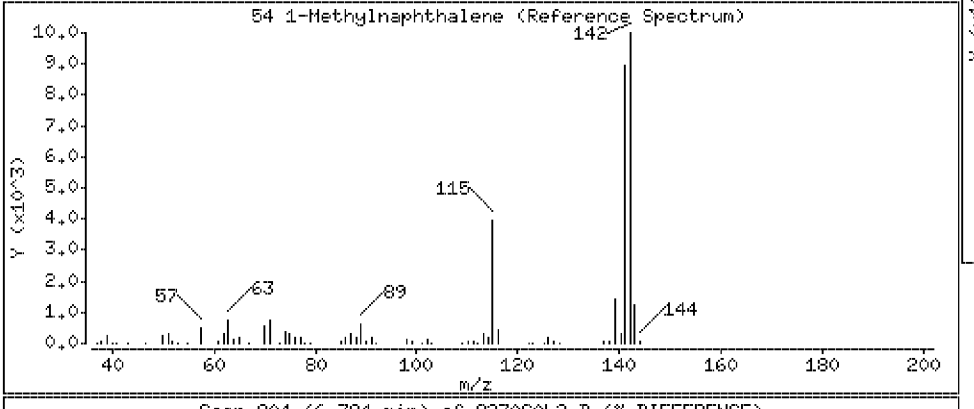
Concentration: 9.4 ug/l

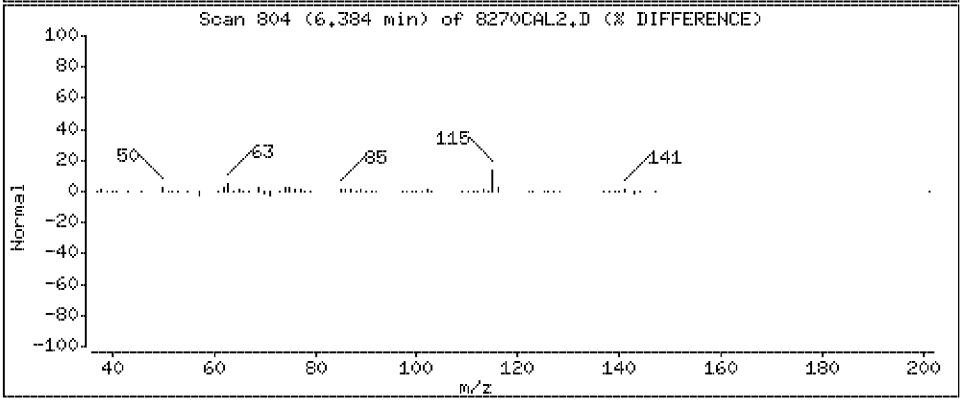












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

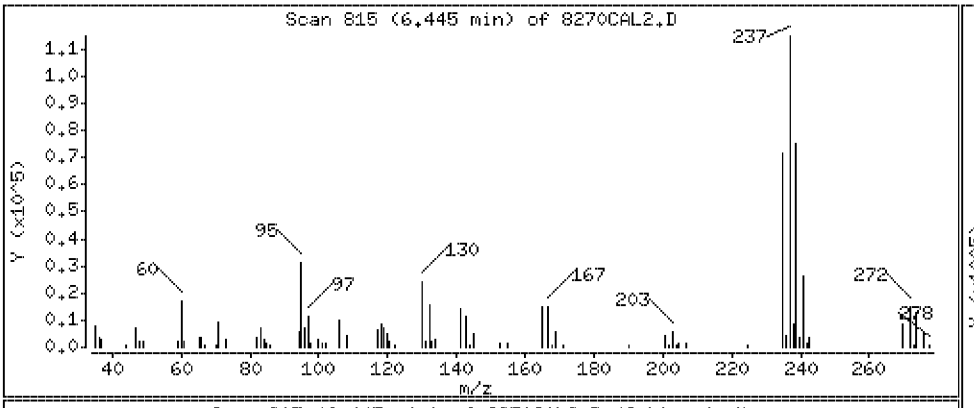
Operator: PEL

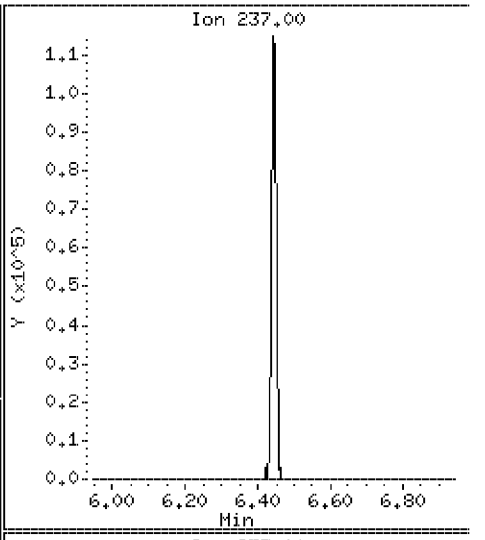
Column phase: HPMS-5

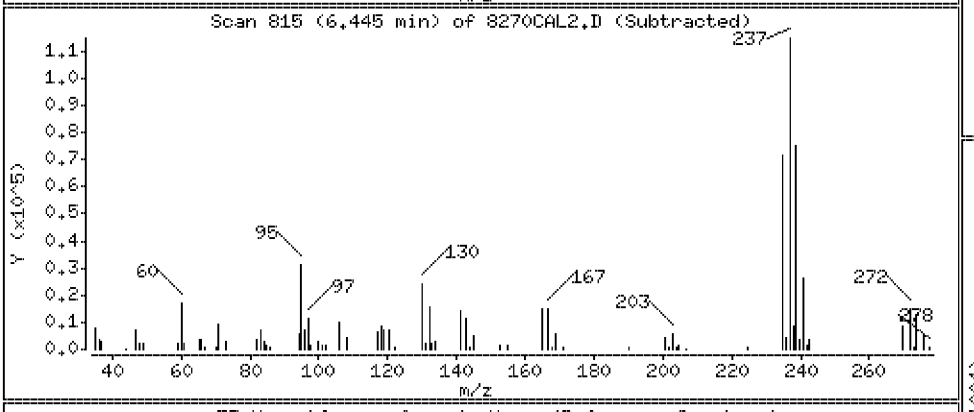
Column diameter: 0.25

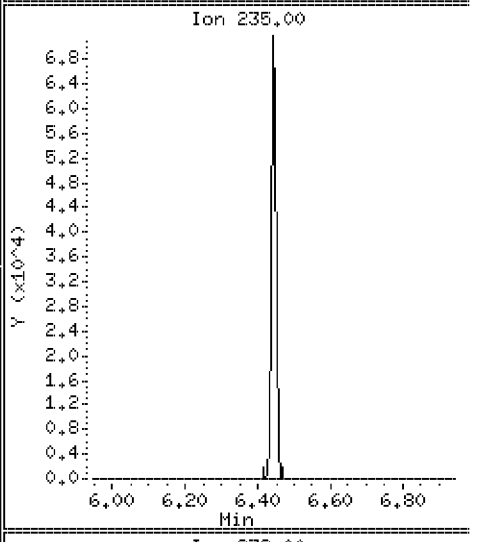
55 Hexachlorocyclopentadiene

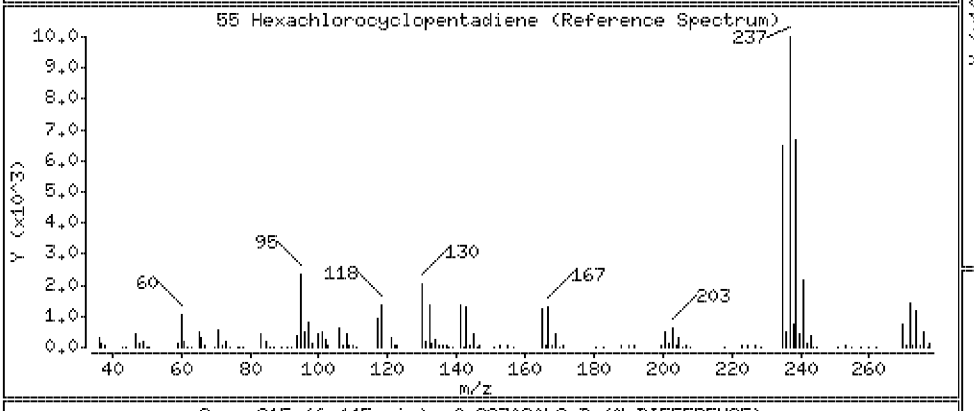
Concentration: 9.1 ug/l

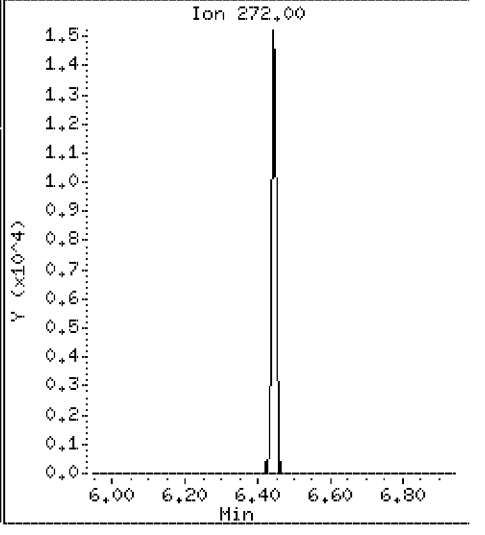


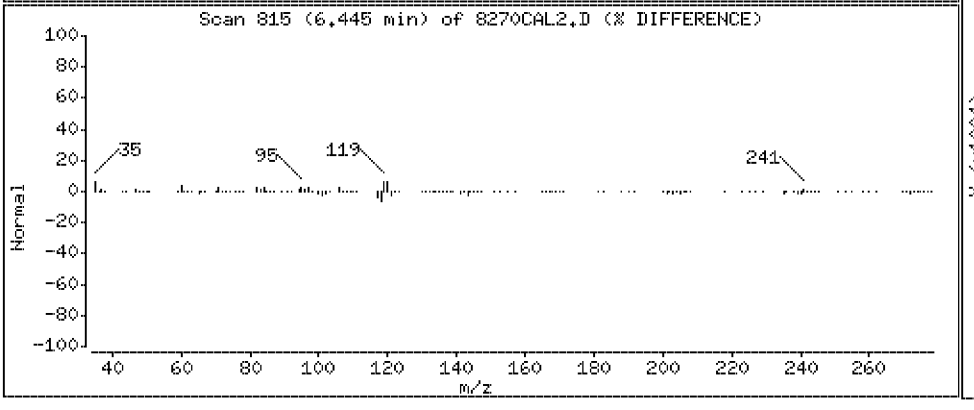












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

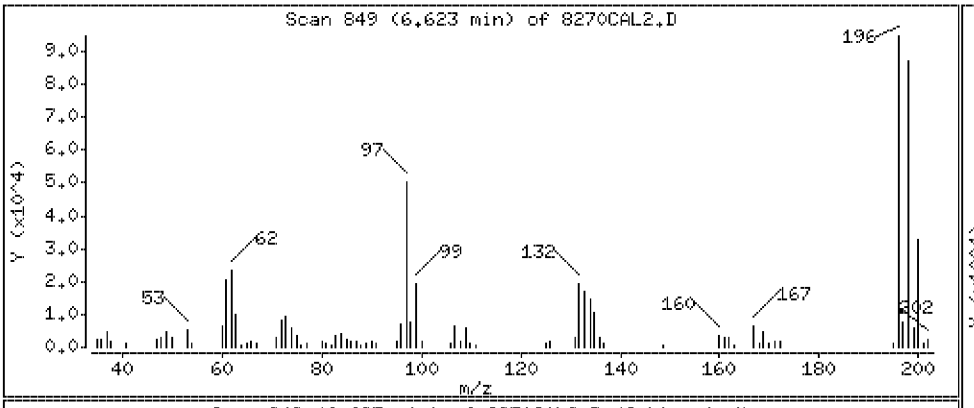
Operator: PEL

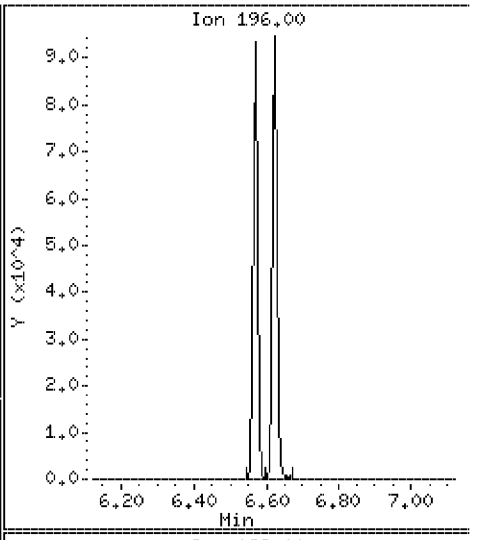
Column phase: HPMS-5

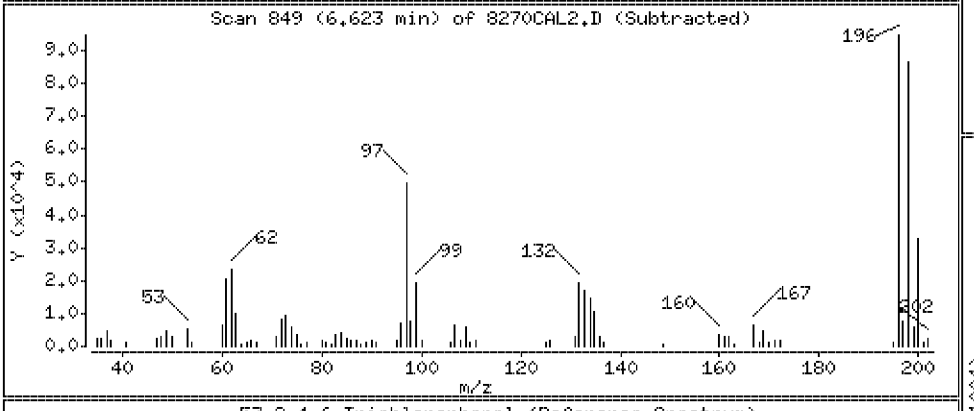
Column diameter: 0.25

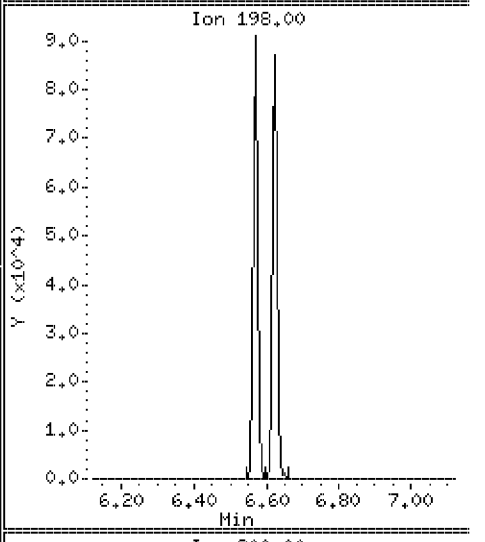
57 2,4,6-Trichlorophenol

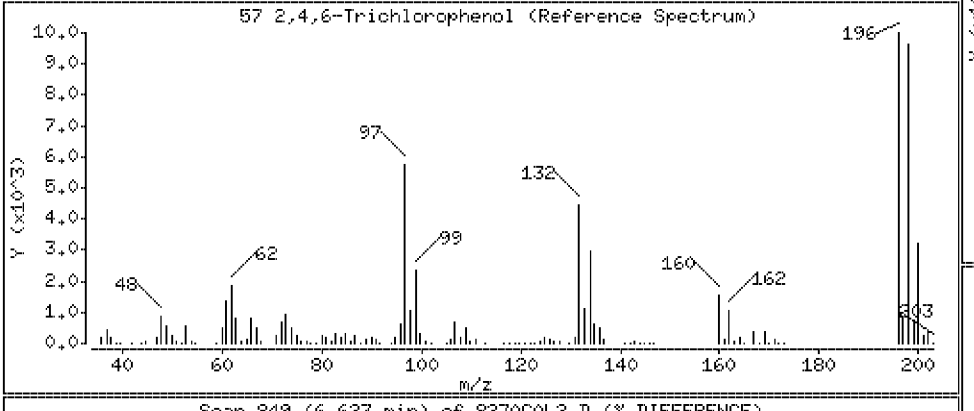
Concentration: 9.3 ug/l

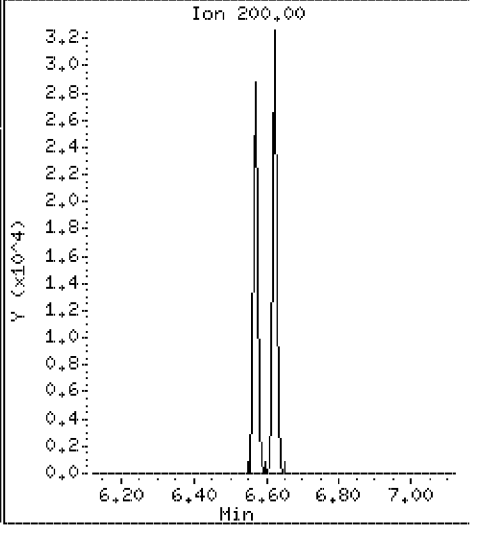


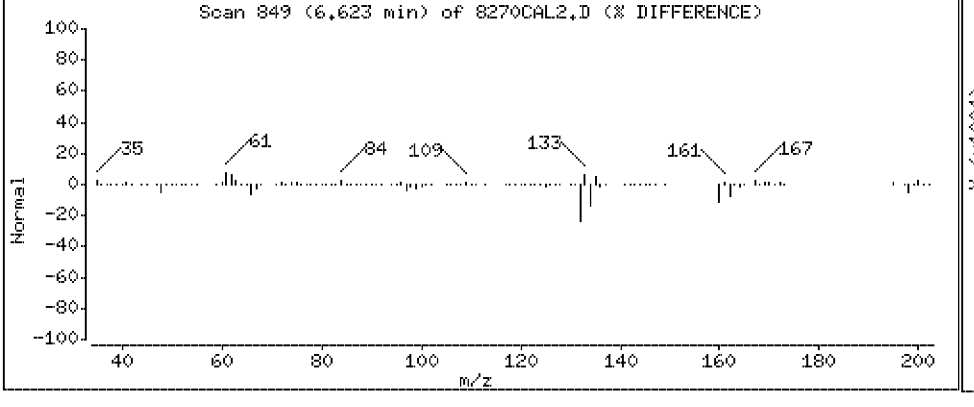












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

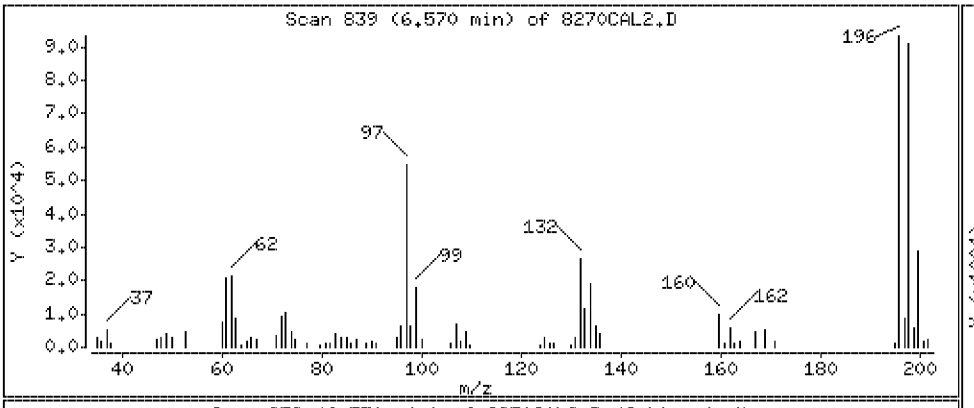
Operator: PEL

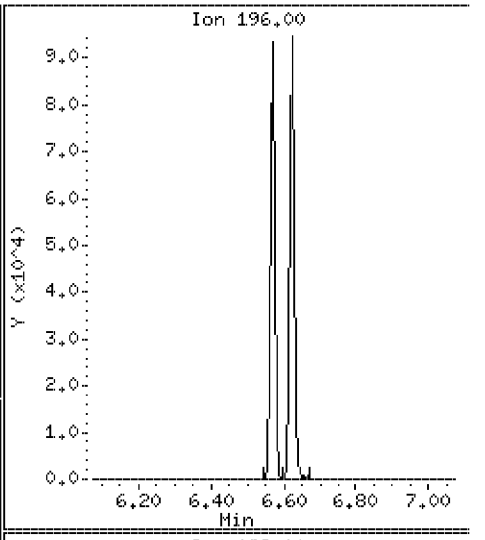
Column phase: HPMS-5

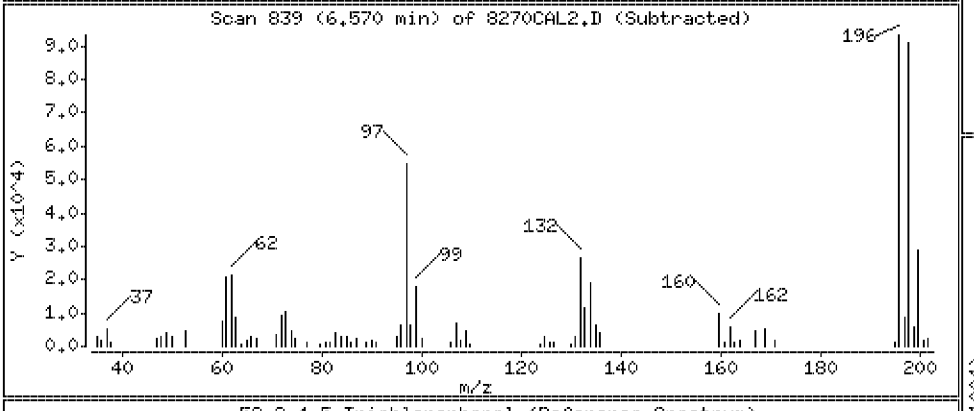
Column diameter: 0.25

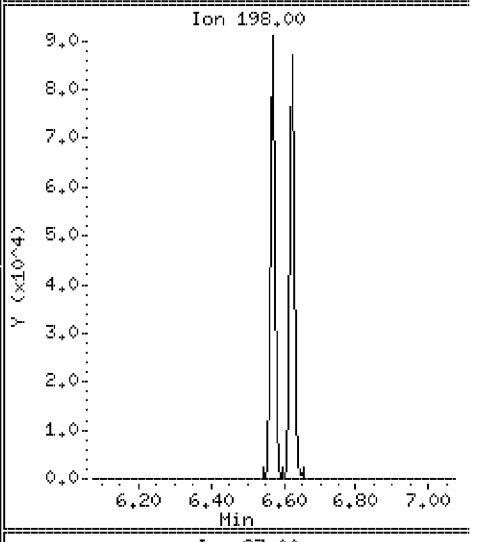
58 2,4,5-Trichlorophenol

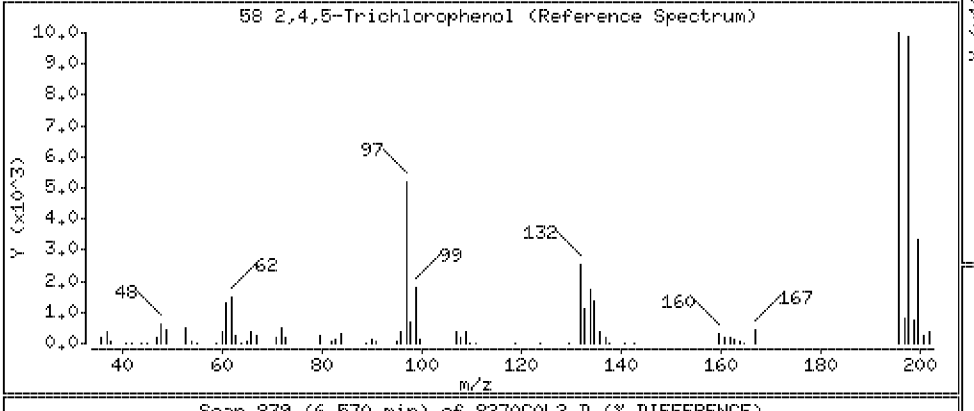
Concentration: 9.5 ug/l

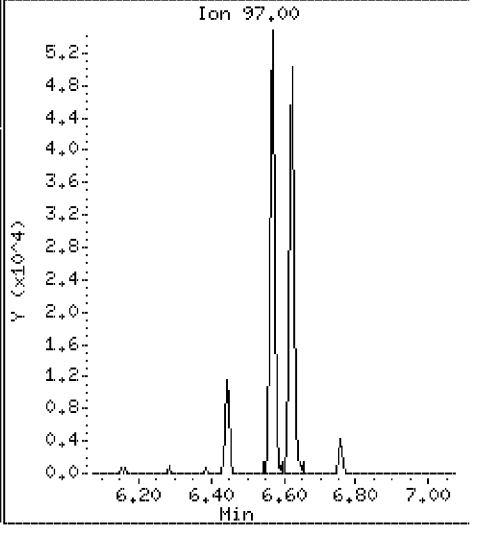


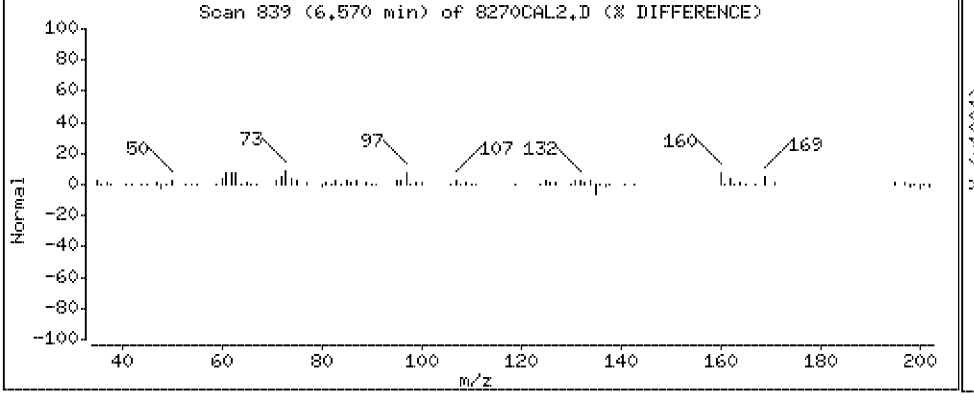












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

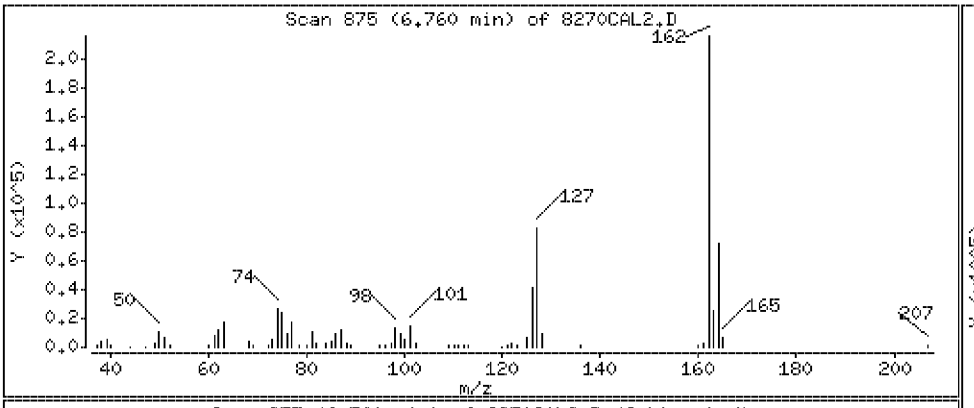
Operator: PEL

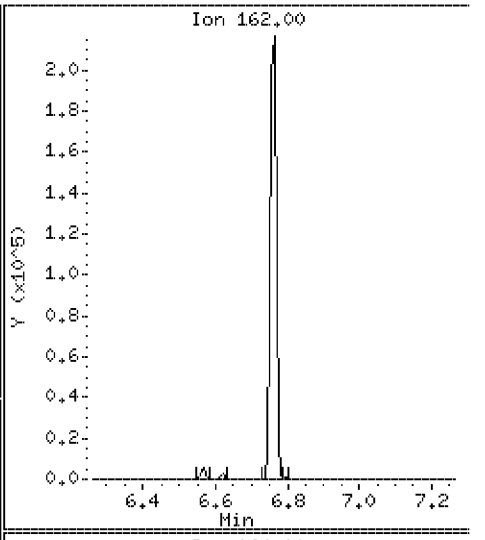
Column phase: HPMS-5

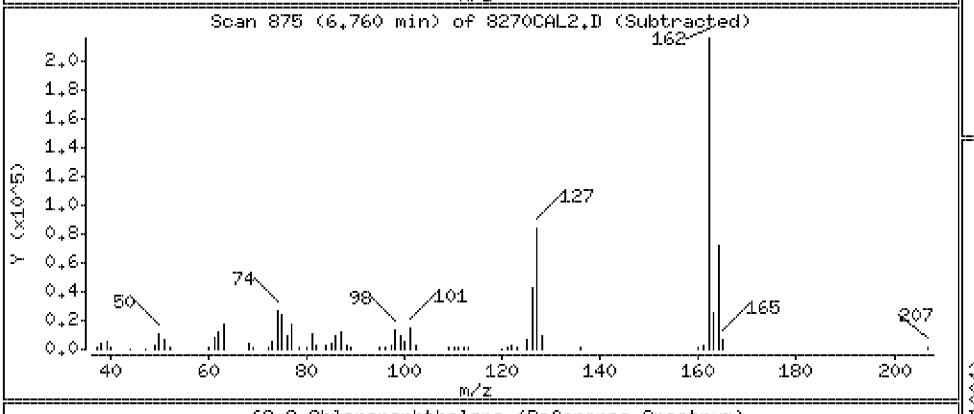
Column diameter: 0.25

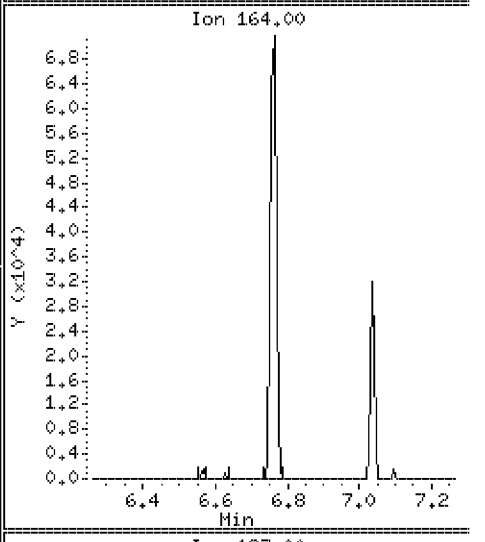
62 2-Chloronaphthalene

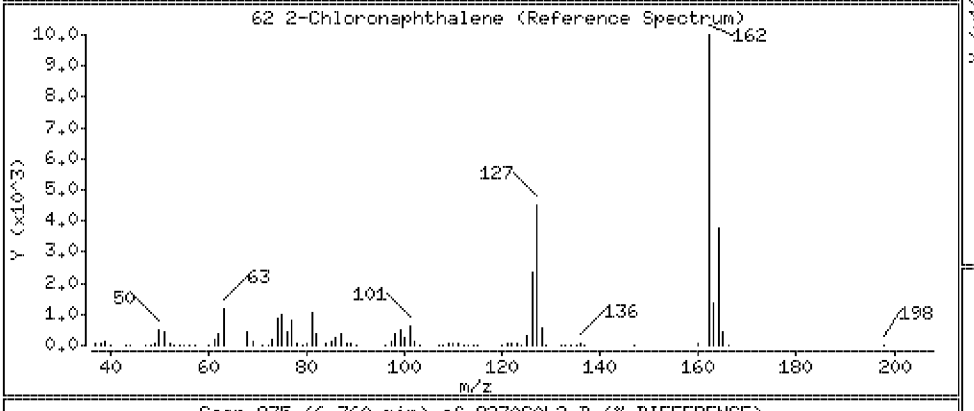
Concentration: 9.4 ug/l

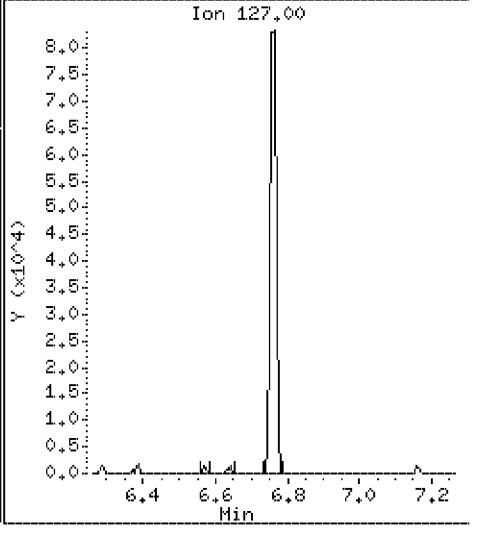


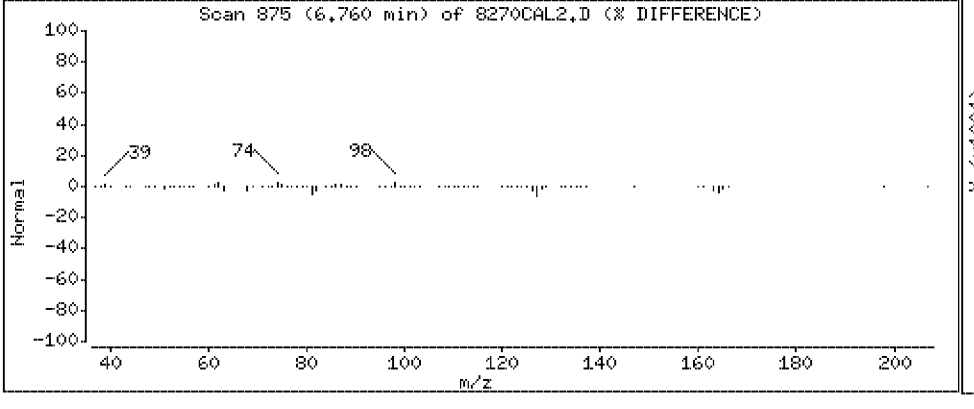












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

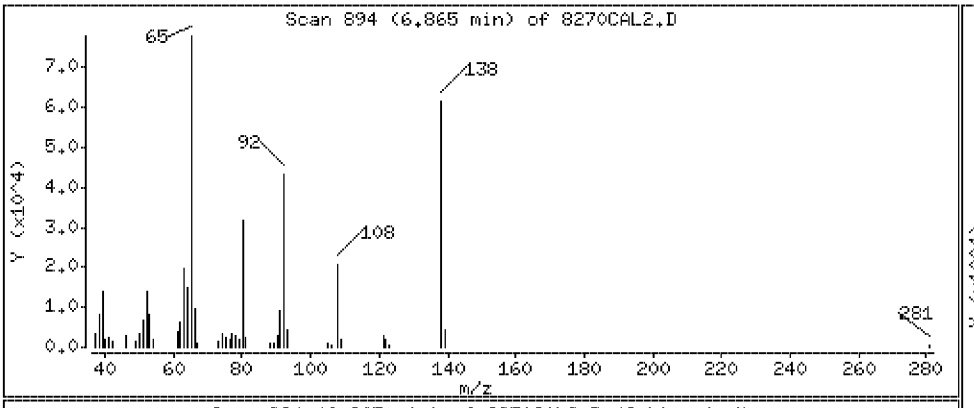
Operator: PEL

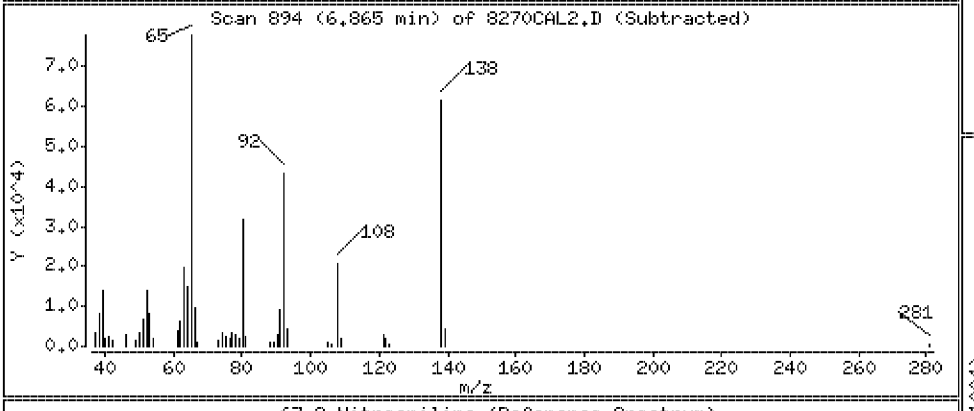
Column phase: HPMS-5

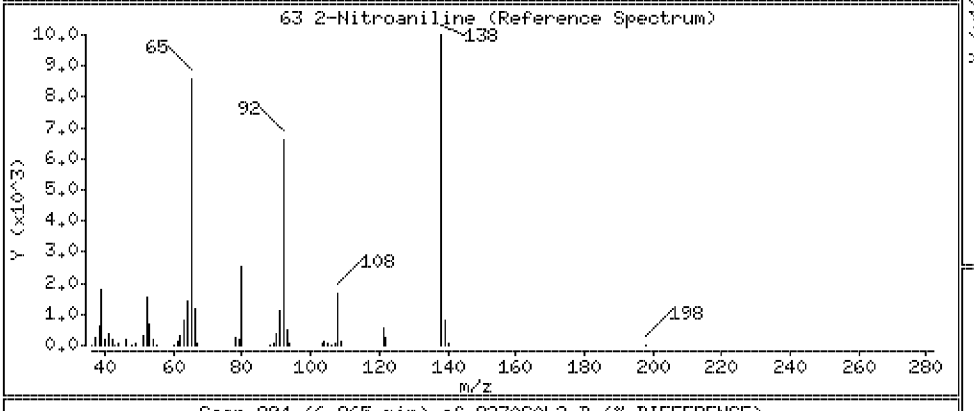
Column diameter: 0.25

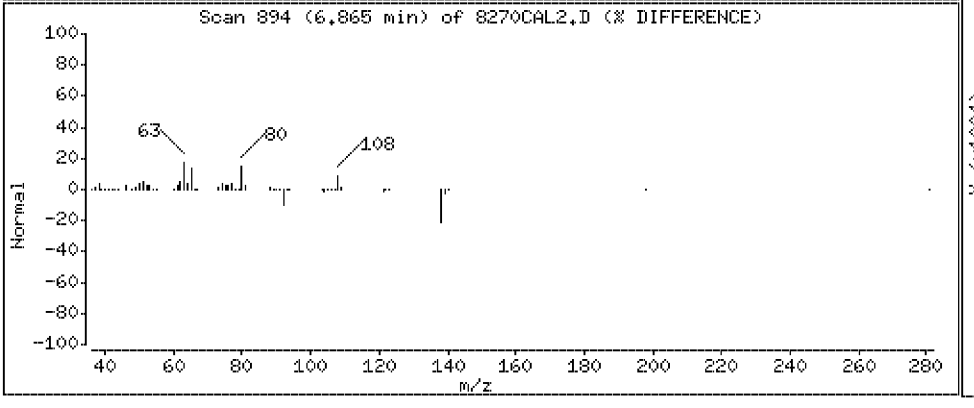
63 2-Nitroaniline

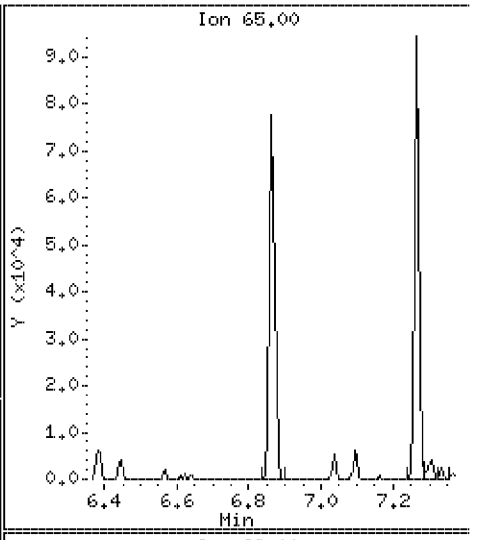
Concentration: 9.6 ug/l

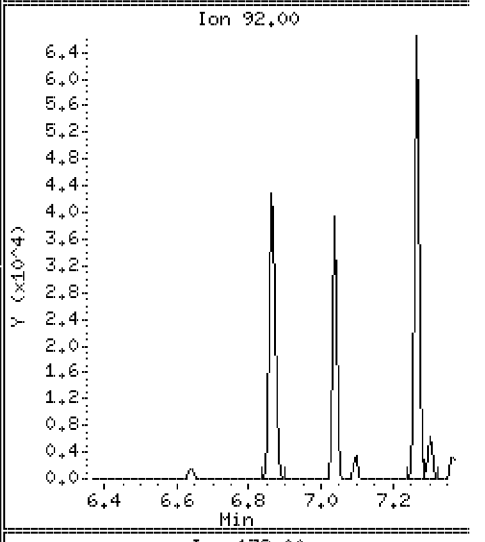


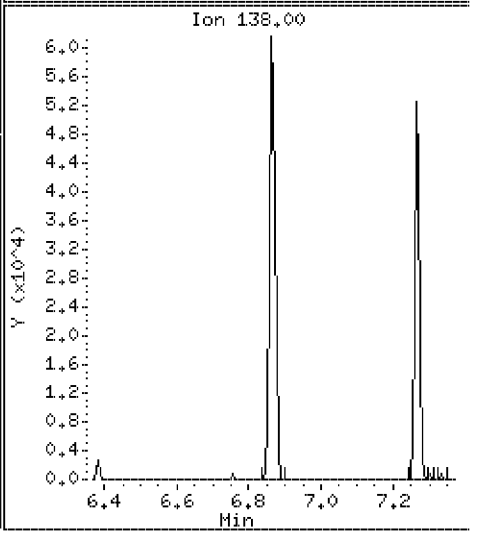












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

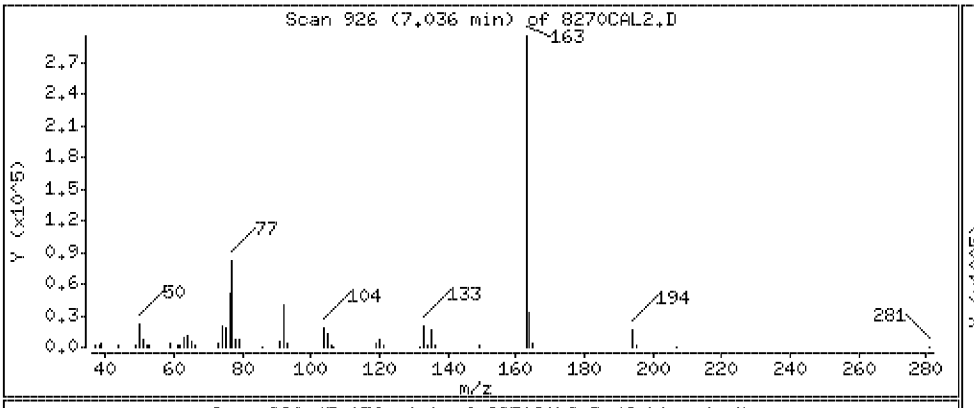
Operator: PEL

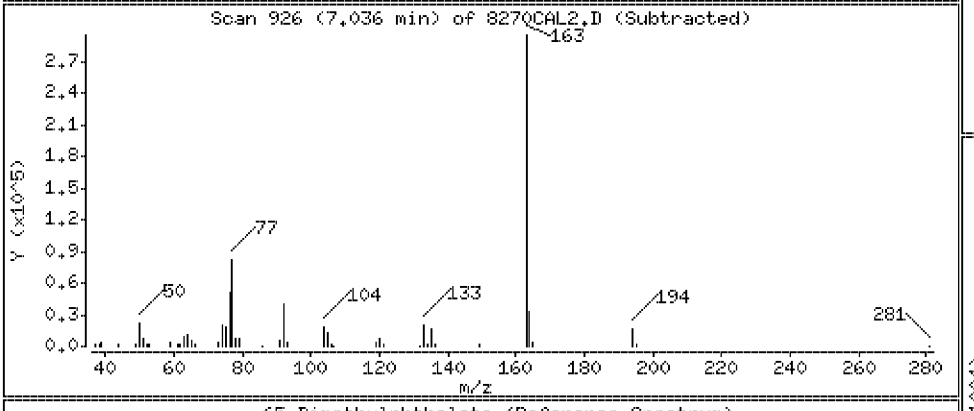
Column phase: HPMS-5

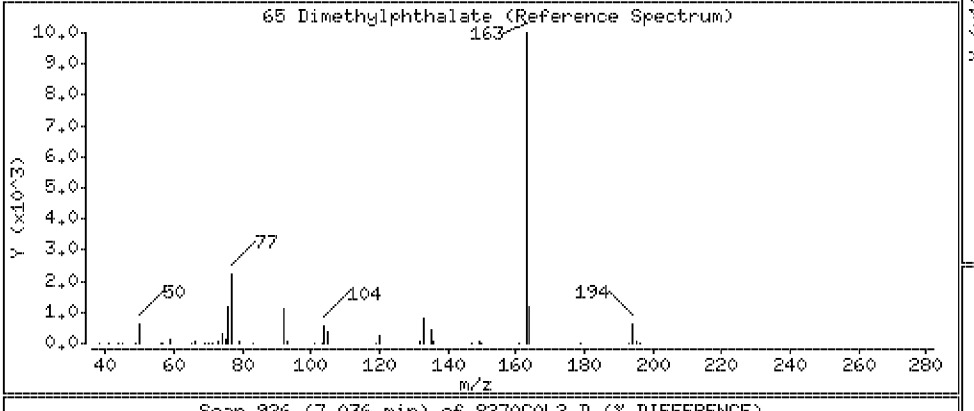
Column diameter: 0.25

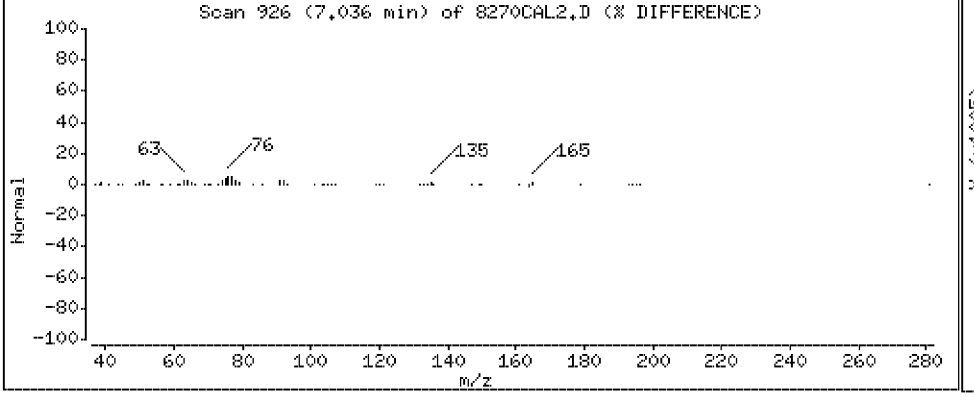
65 Dimethylphthalate

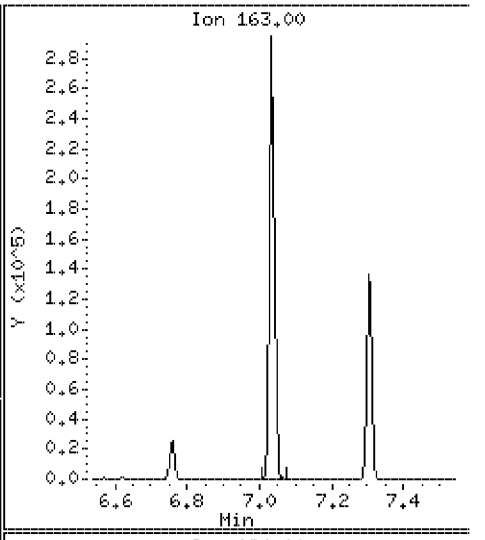
Concentration: 9.8 ug/l

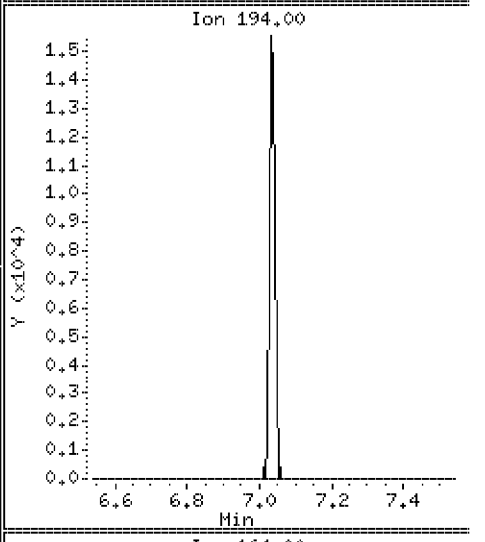


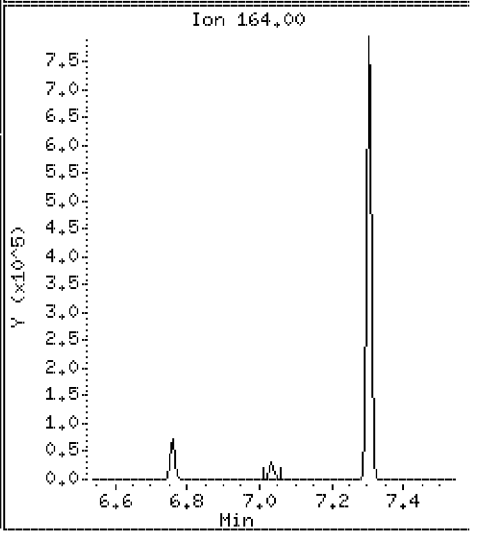












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

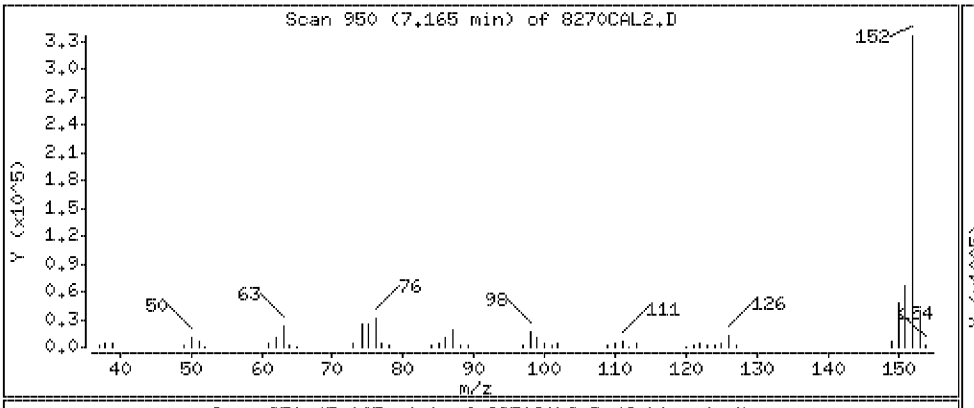
Operator: PEL

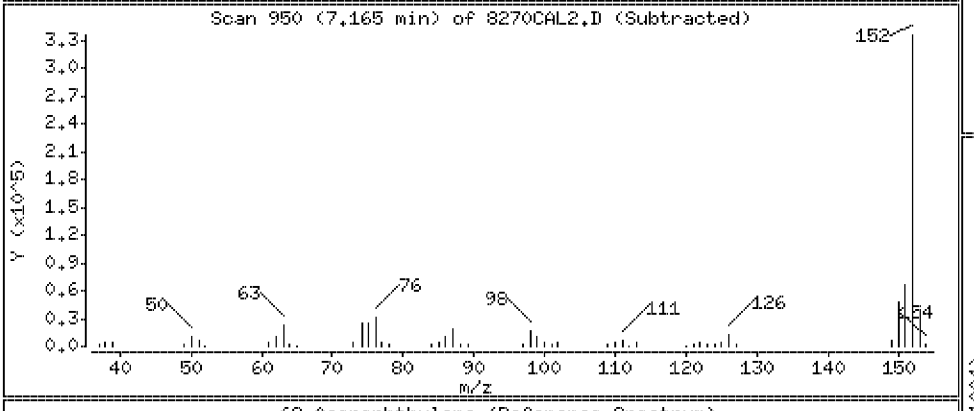
Column phase: HPMS-5

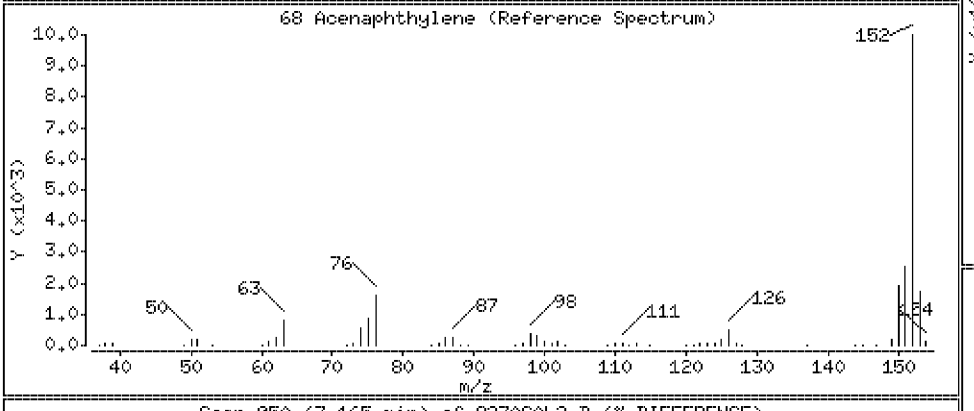
Column diameter: 0.25

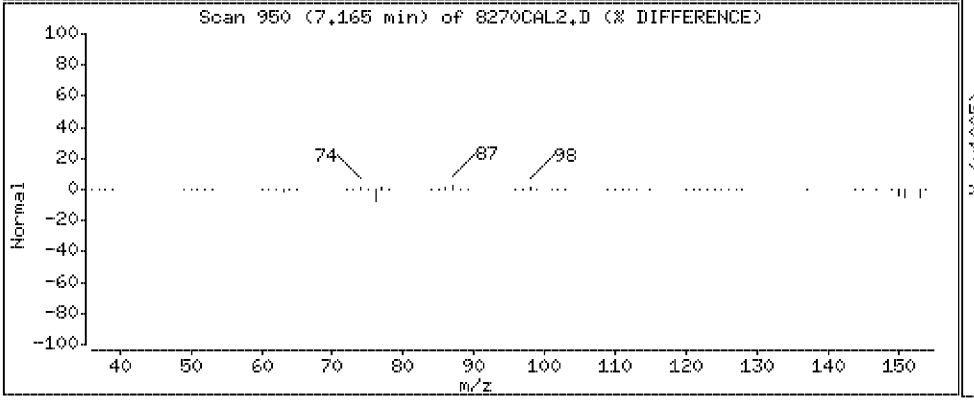
68 Acenaphthylene

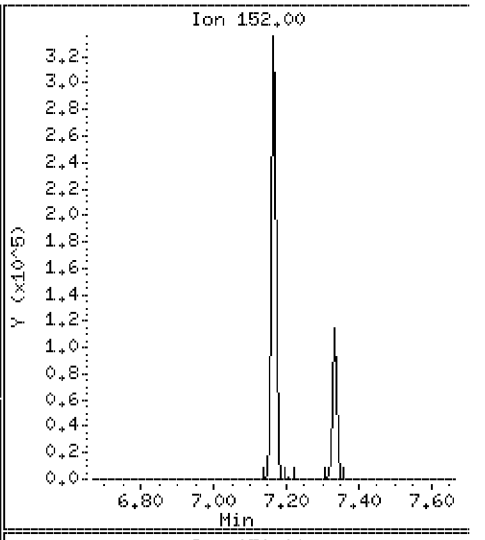
Concentration: 9.6 ug/l

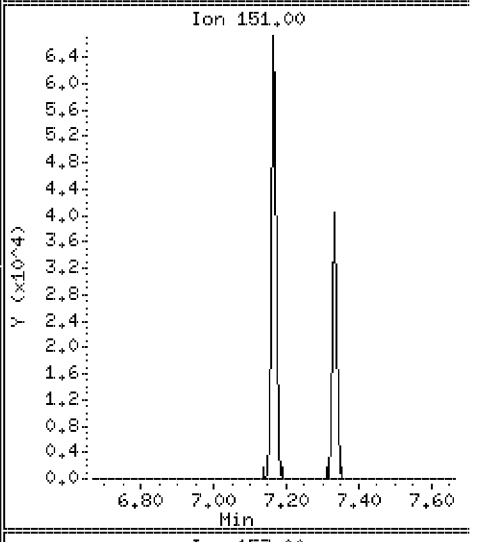


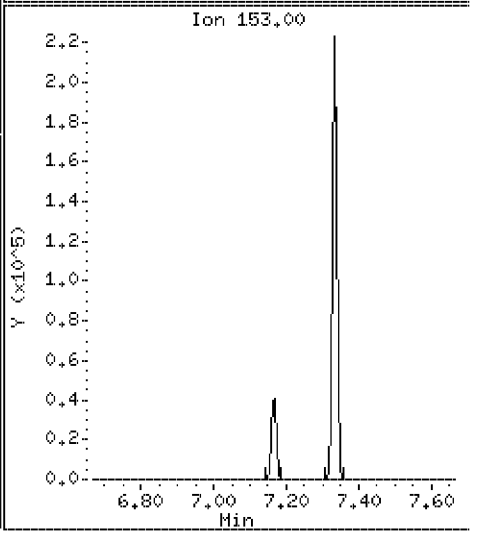












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

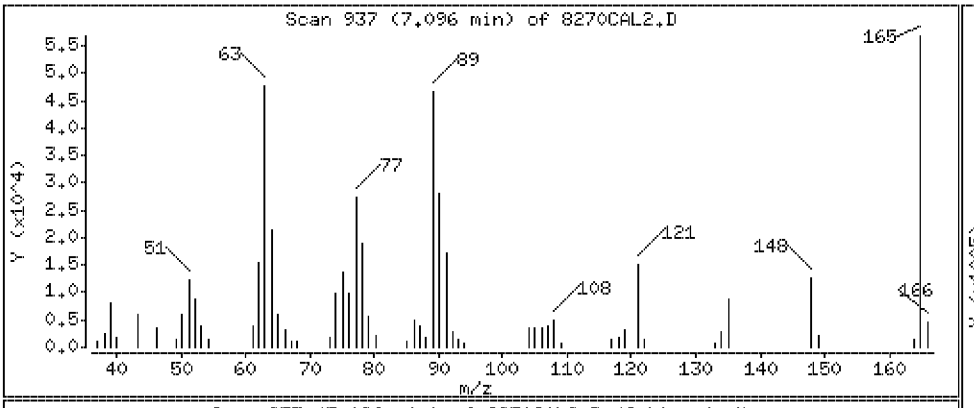
Operator: PEL

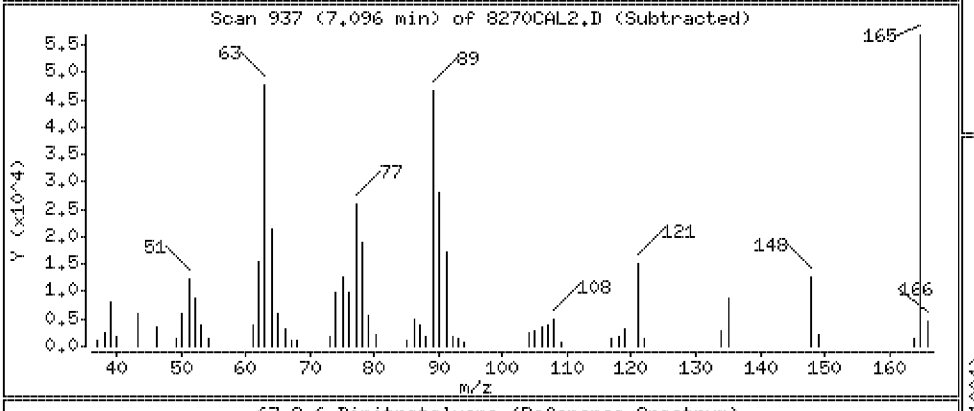
Column phase: HPMS-5

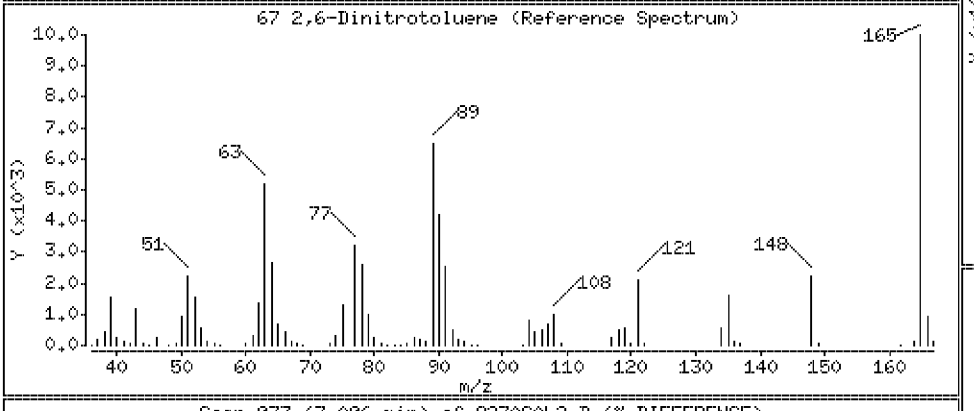
Column diameter: 0.25

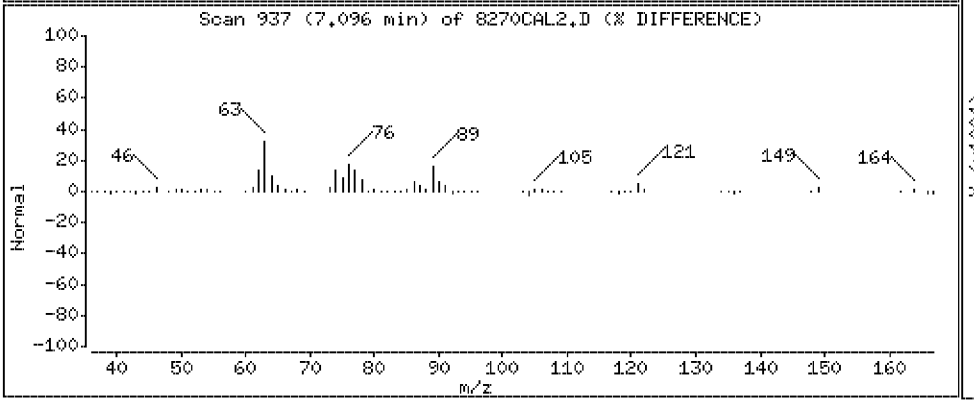
67 2,6-Dinitrotoluene

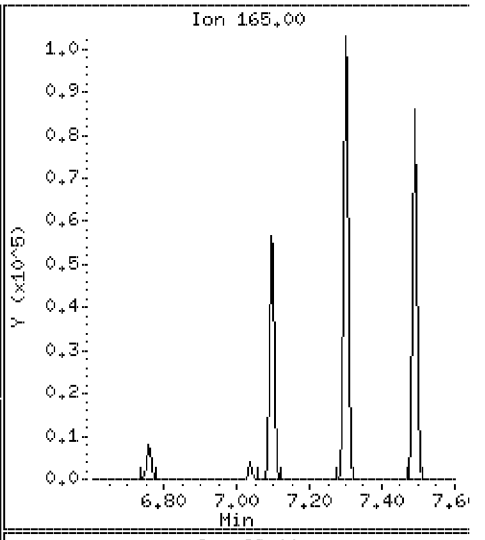
Concentration: 9.4 ug/l

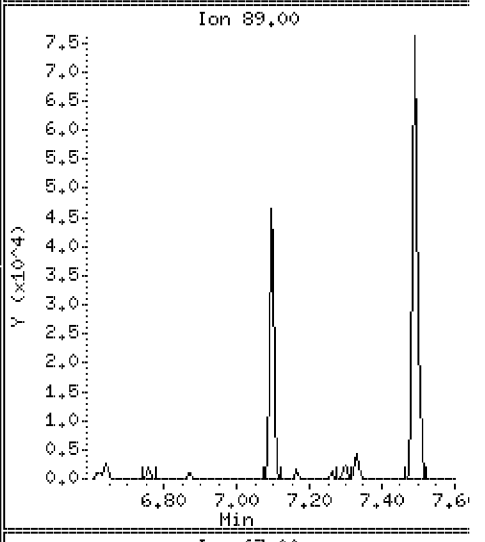


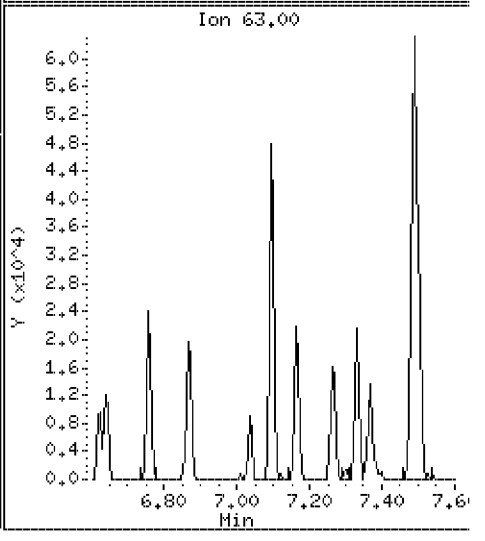












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

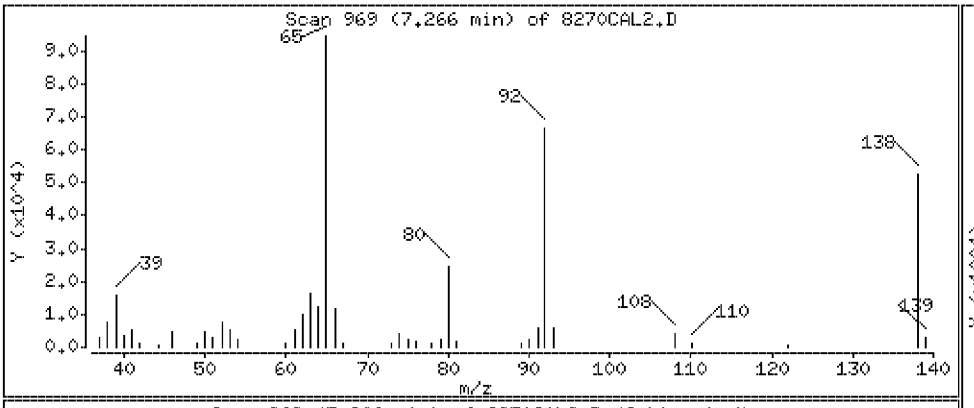
Operator: PEL

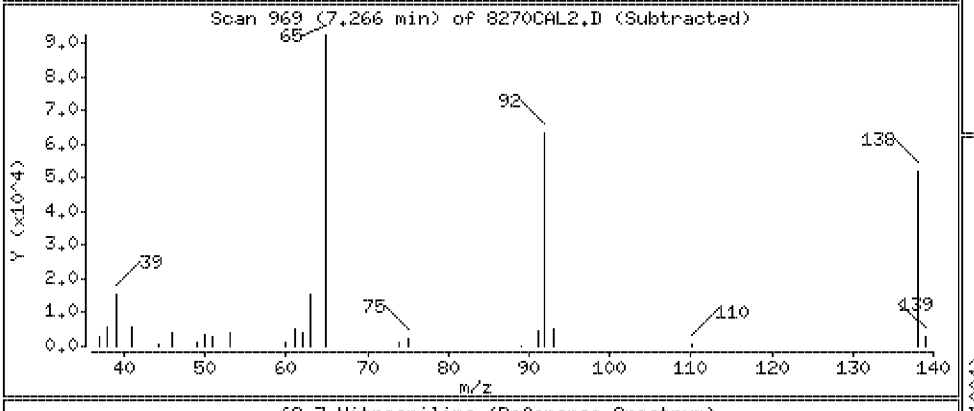
Column phase: HPMS-5

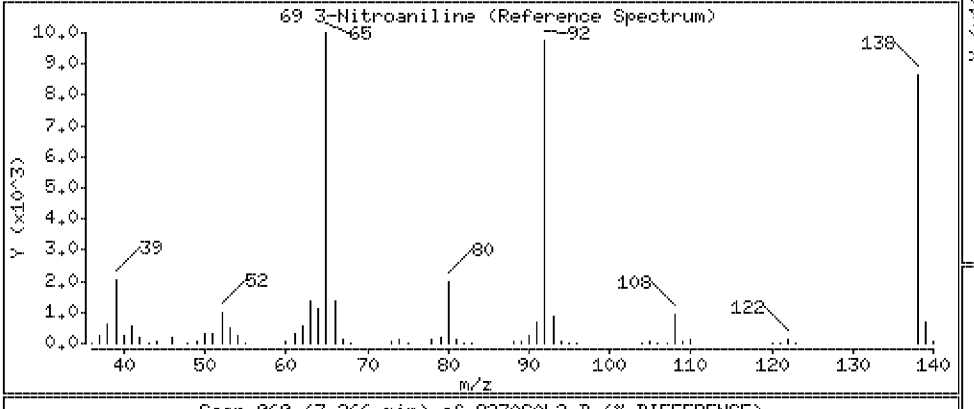
Column diameter: 0.25

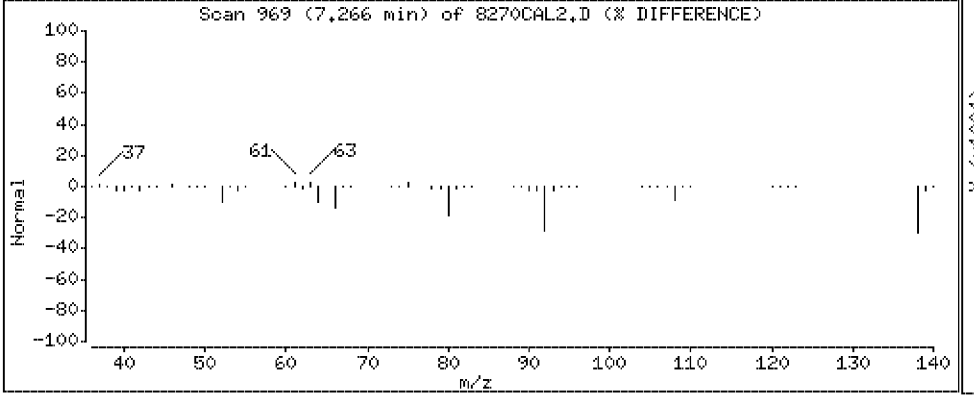
69 3-Nitroaniline

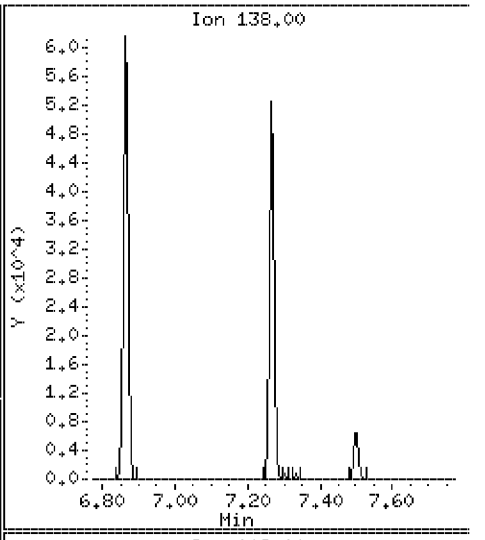
Concentration: 9.4 ug/l

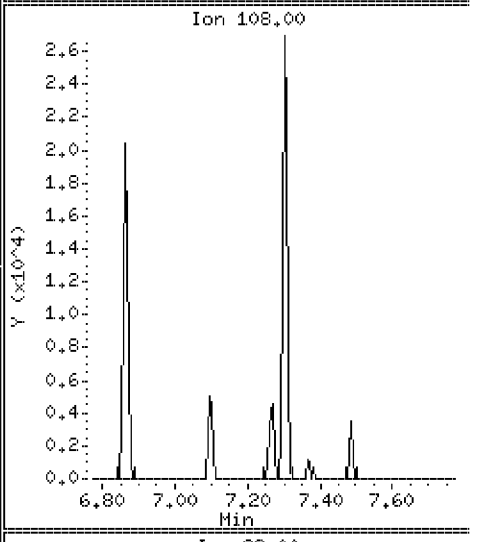


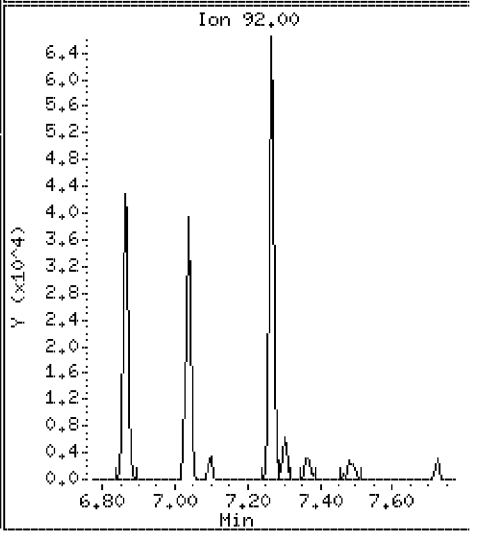












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

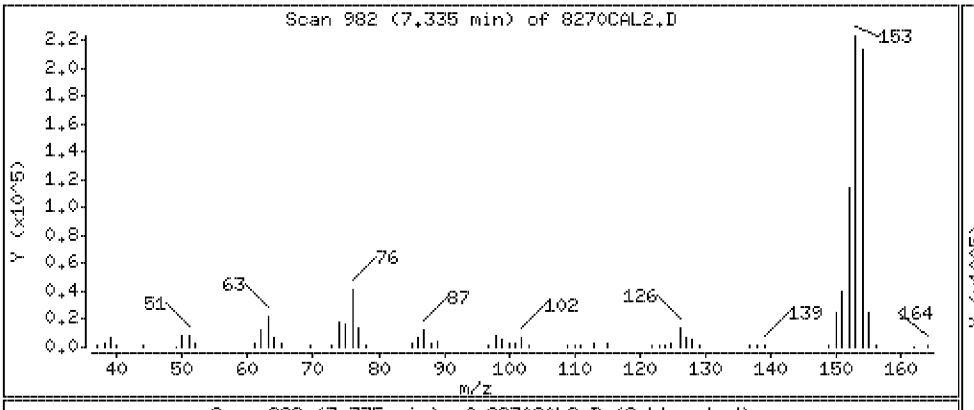
Operator: PEL

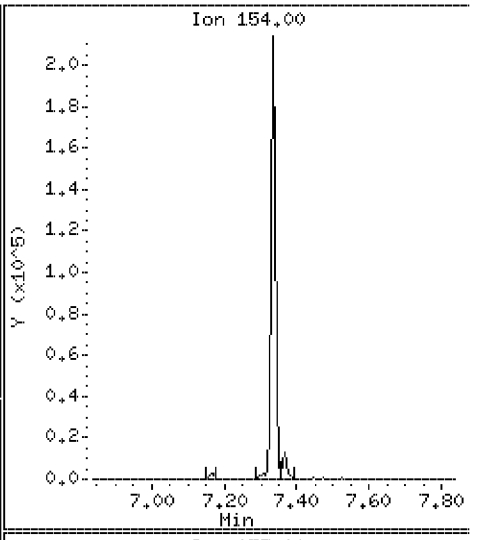
Column phase: HPMS-5

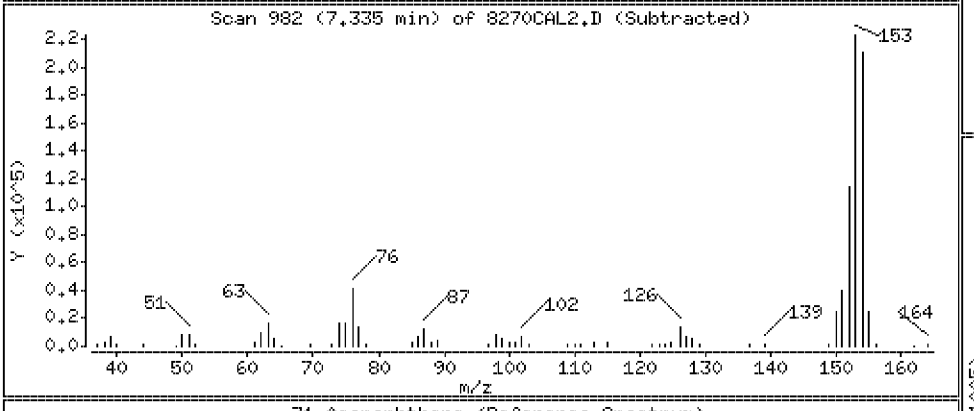
Column diameter: 0.25

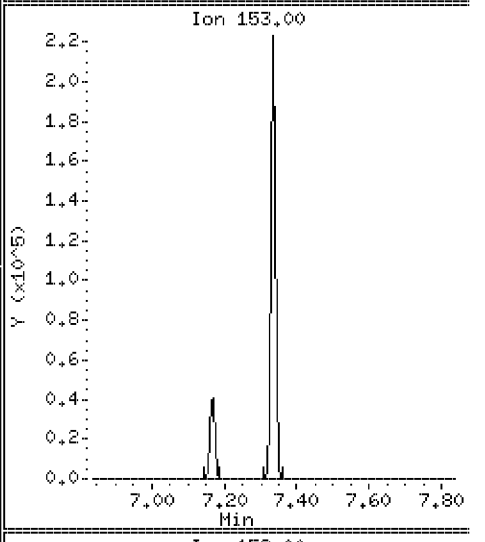
71 Acenaphthene

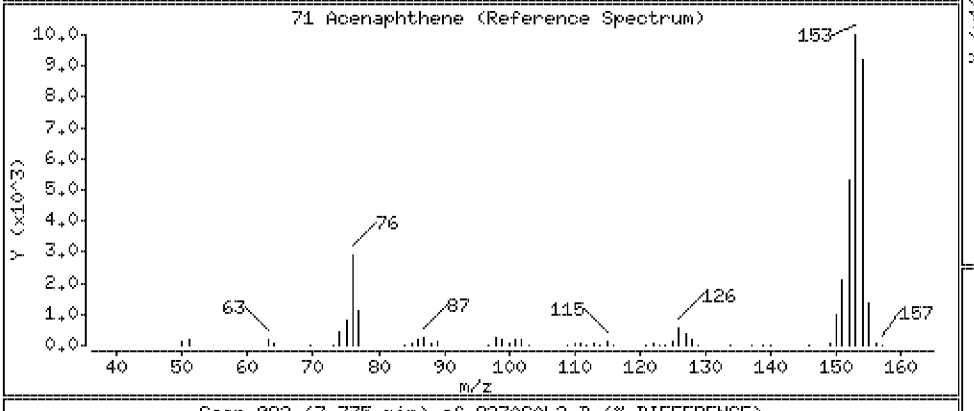
Concentration: 9.4 ug/l

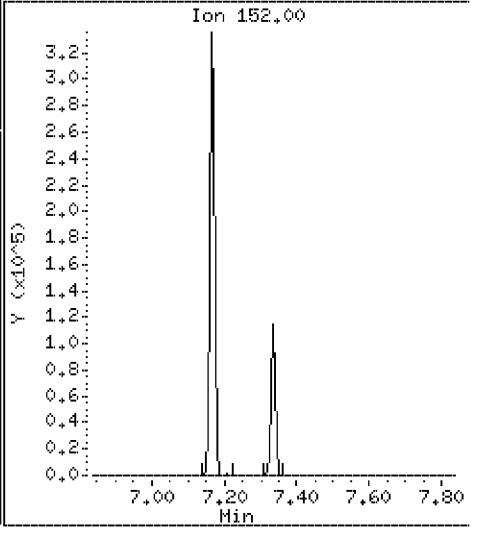


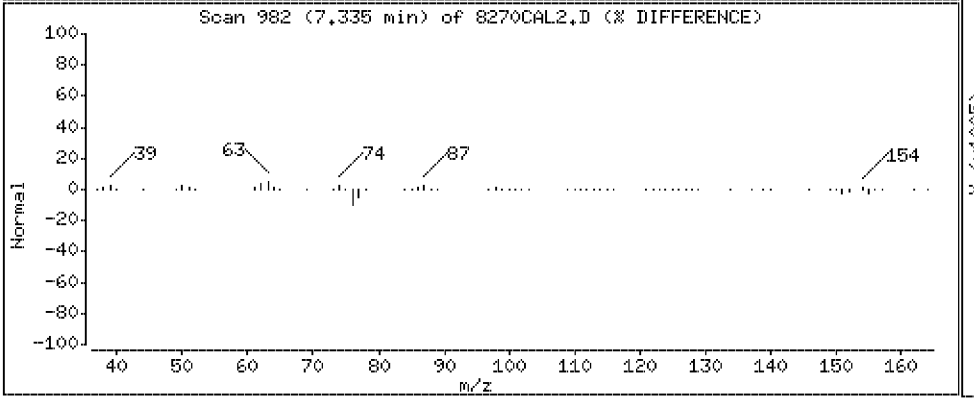












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

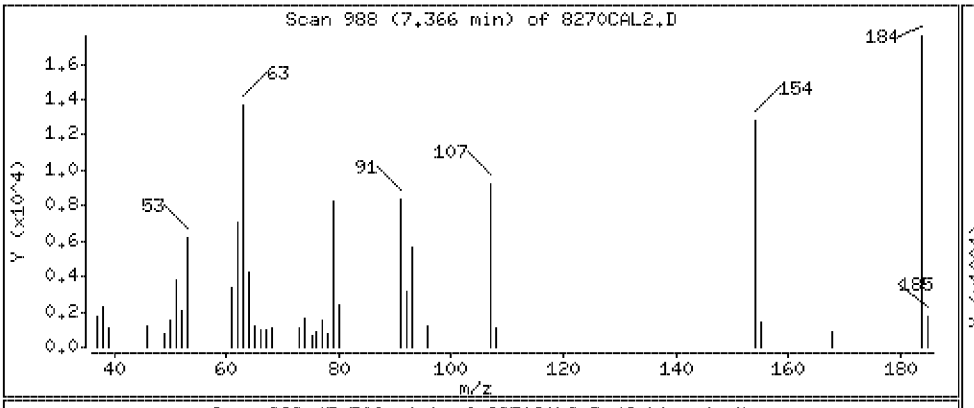
Operator: PEL

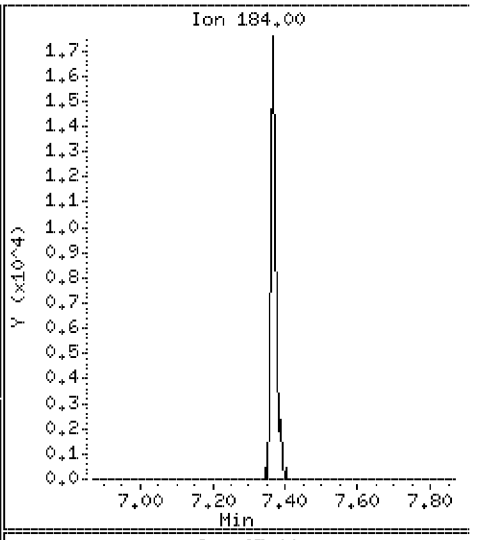
Column phase: HPMS-5

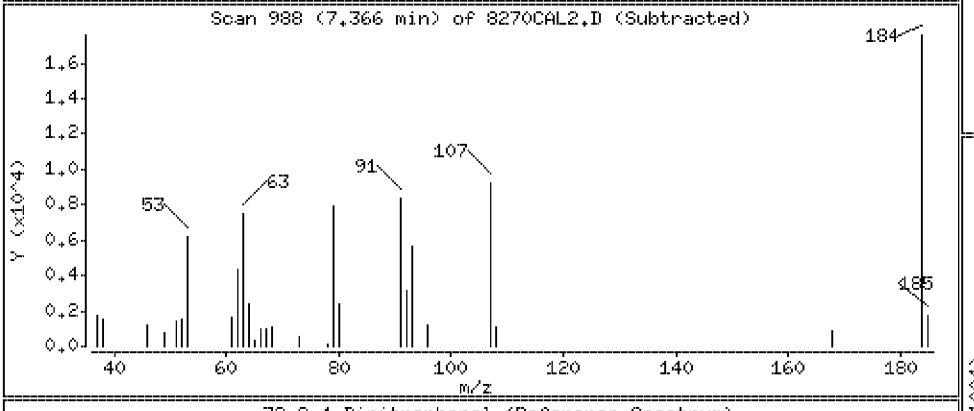
Column diameter: 0.25

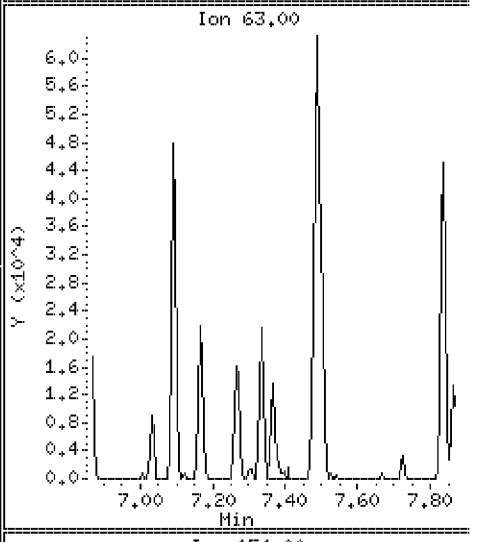
72 2,4-Dinitrophenol

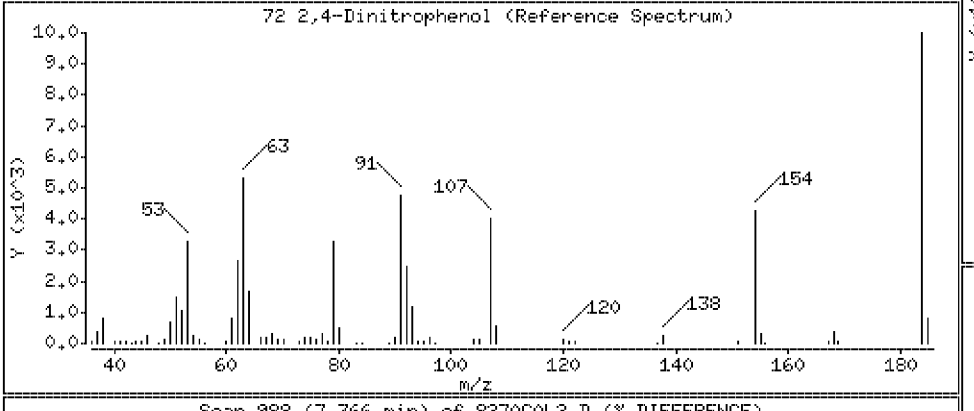
Concentration: 11.1 ug/l

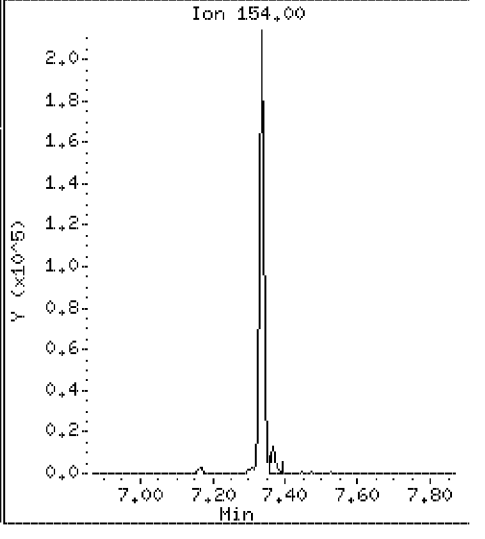


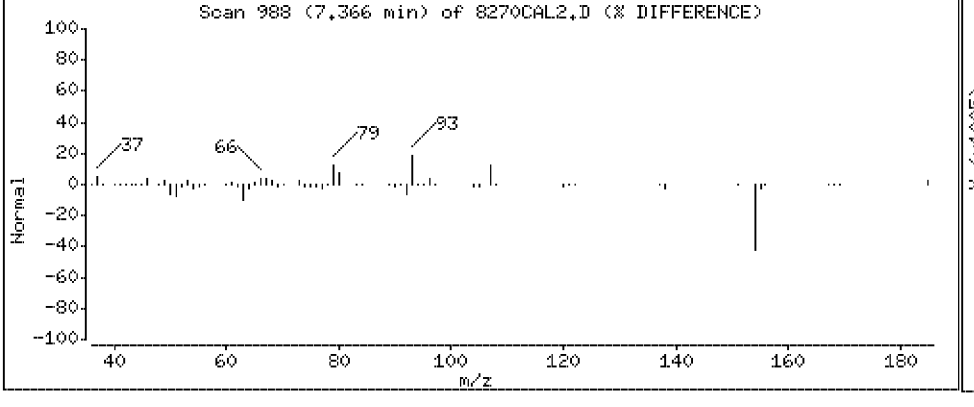












Date : 23-APR-2012 12:21

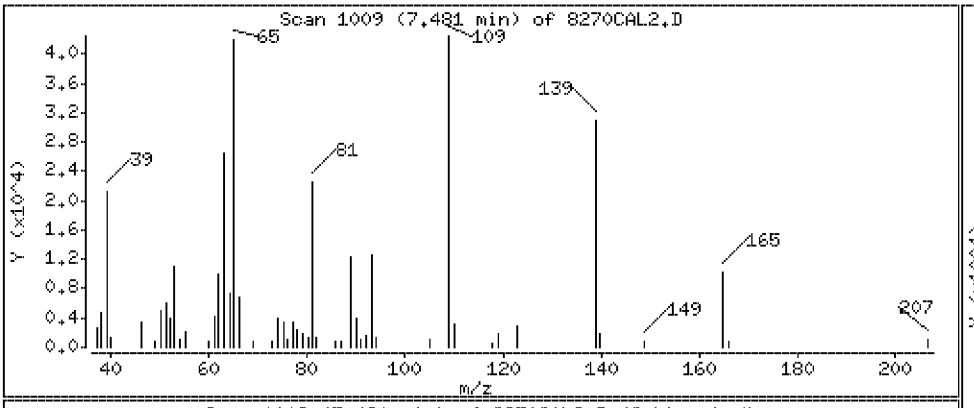
Client ID: 8270CAL2 Instrument: smsd03.i

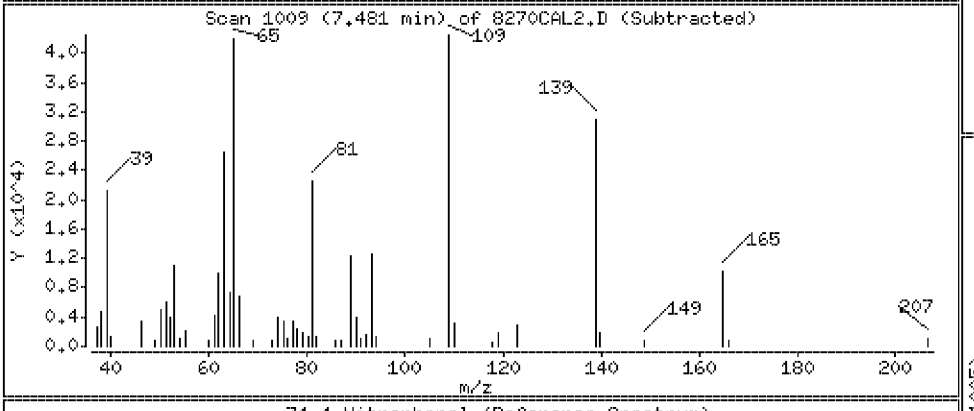
Sample Info: 45926

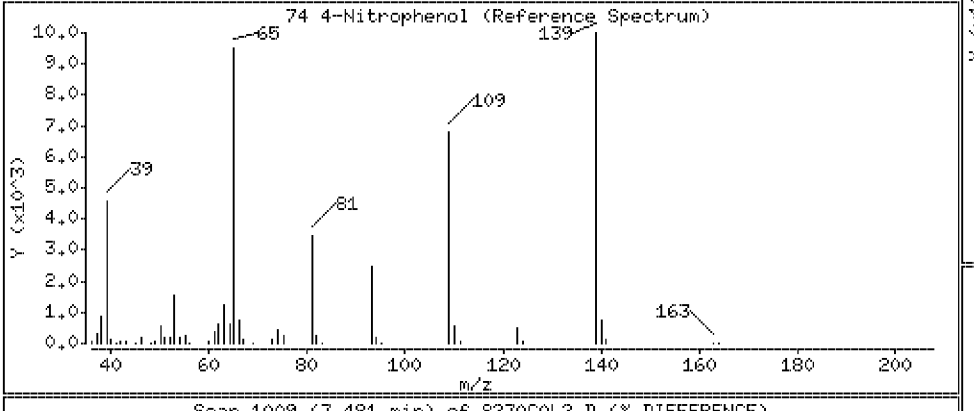
Purge Volume: 1000.0 Operator: PEL

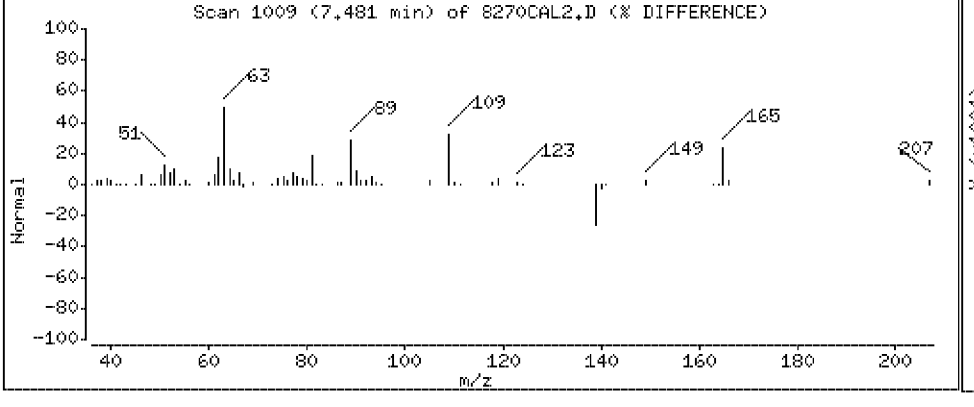
Column phase: HPMS-5 Column diameter: 0.25

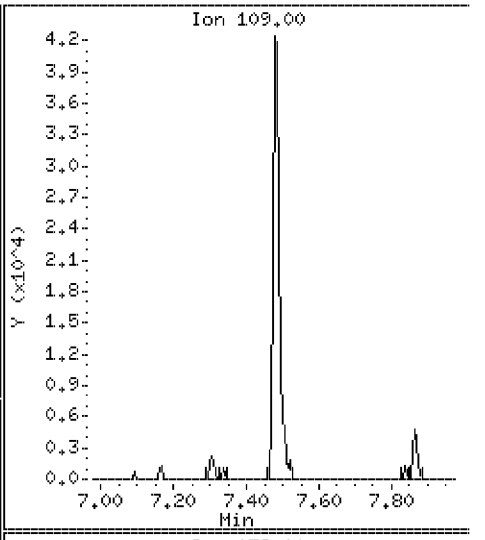
74 4-Nitrophenol Concentration: 9.6 ug/l

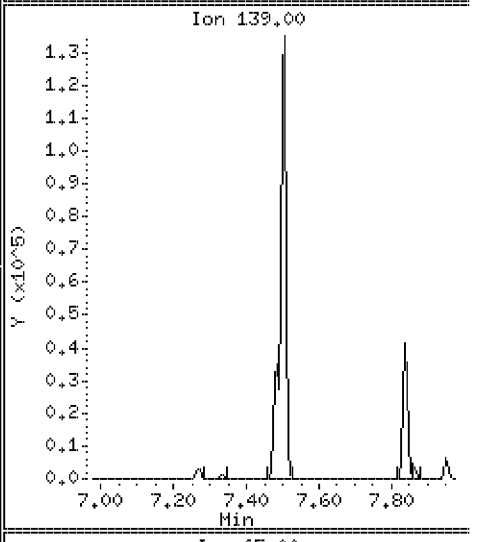


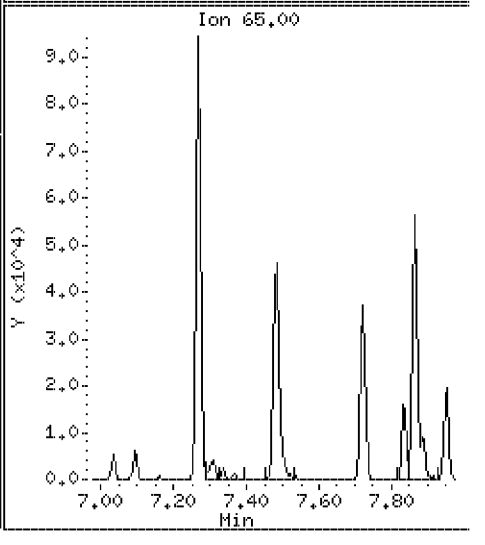












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

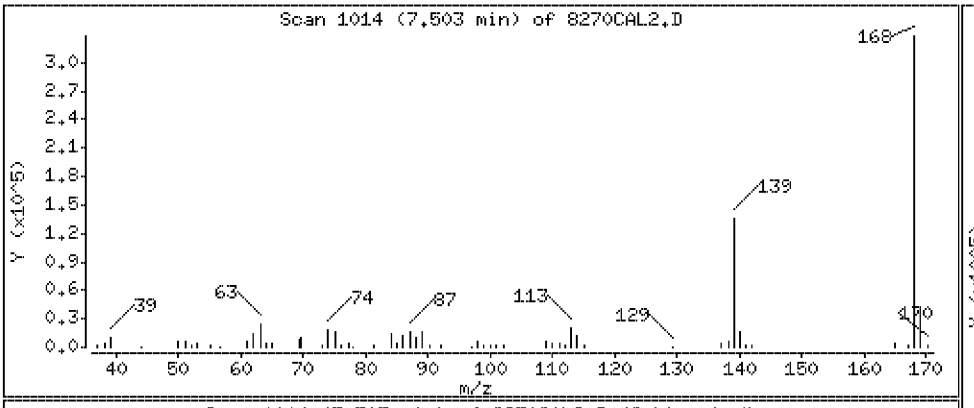
Operator: PEL

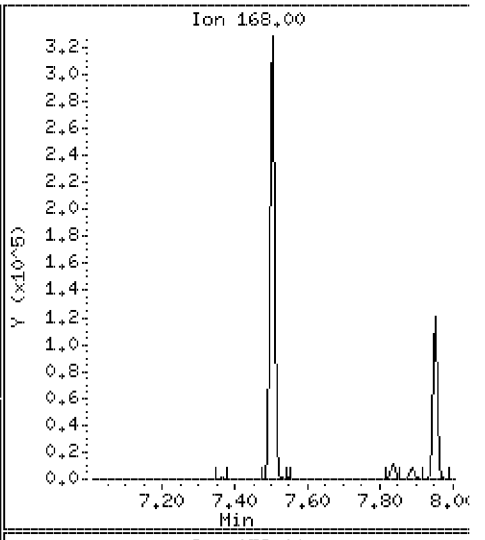
Column phase: HPMS-5

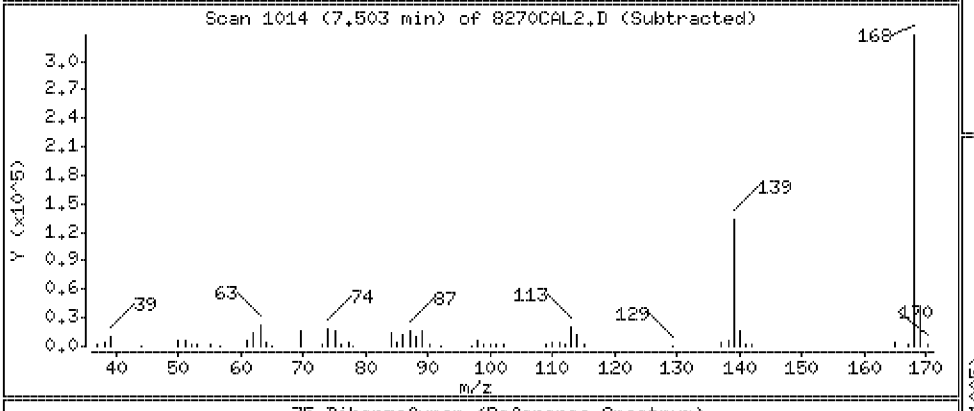
Column diameter: 0.25

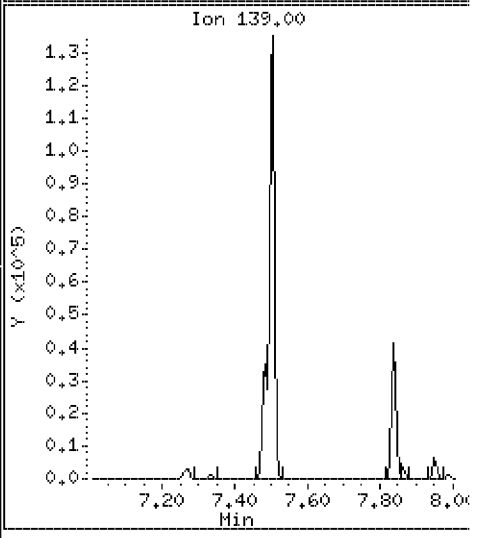
75 Dibenzofuran

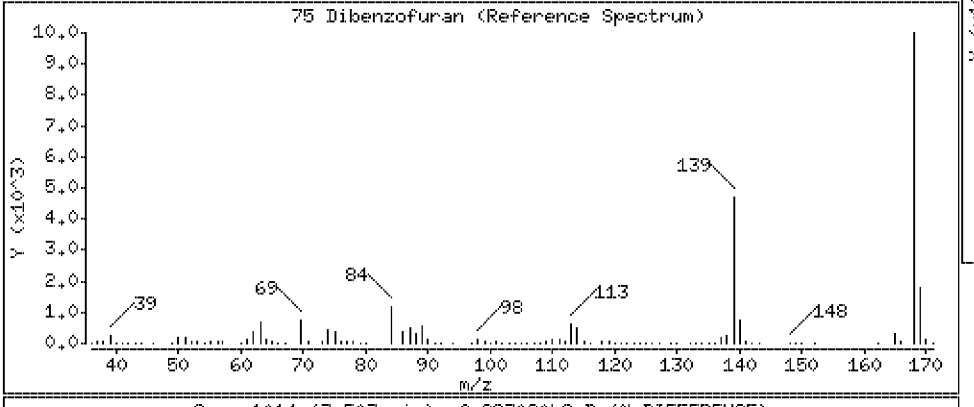
Concentration: 9.6 ug/l

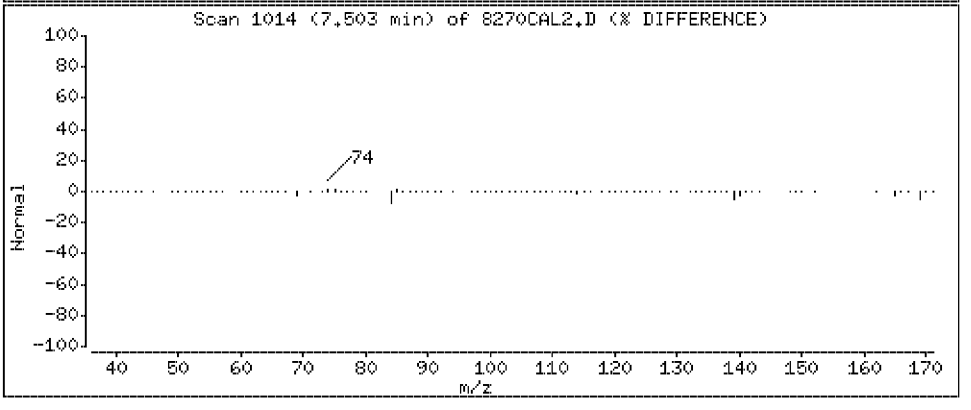












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

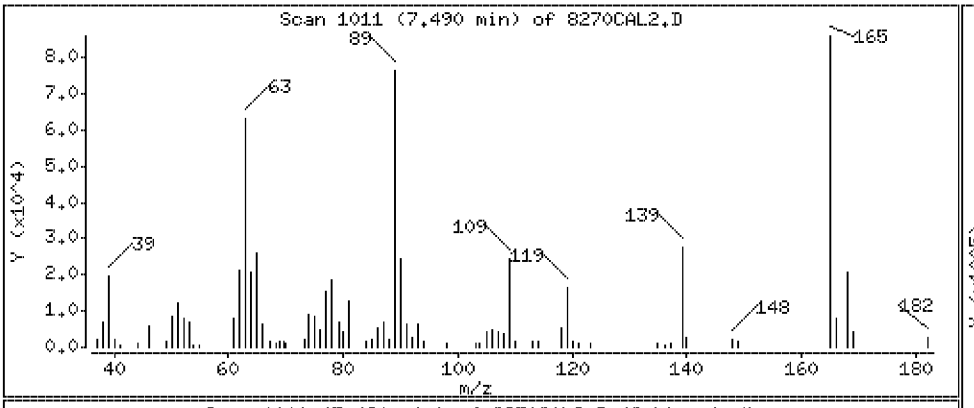
Operator: PEL

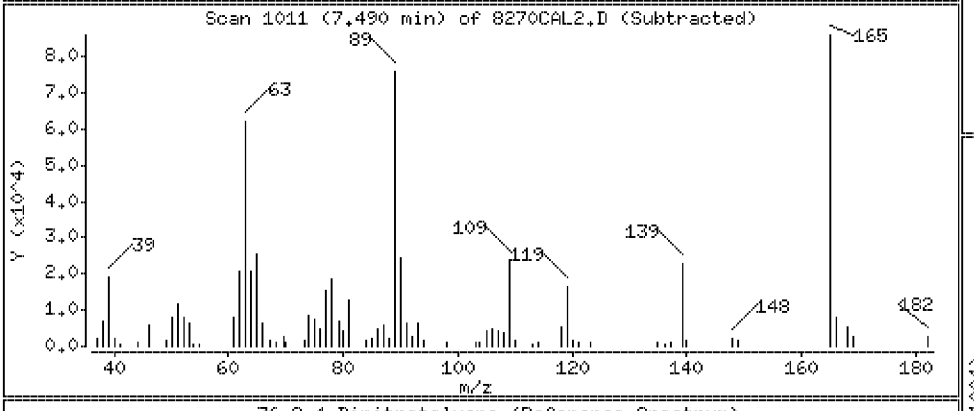
Column phase: HPMS-5

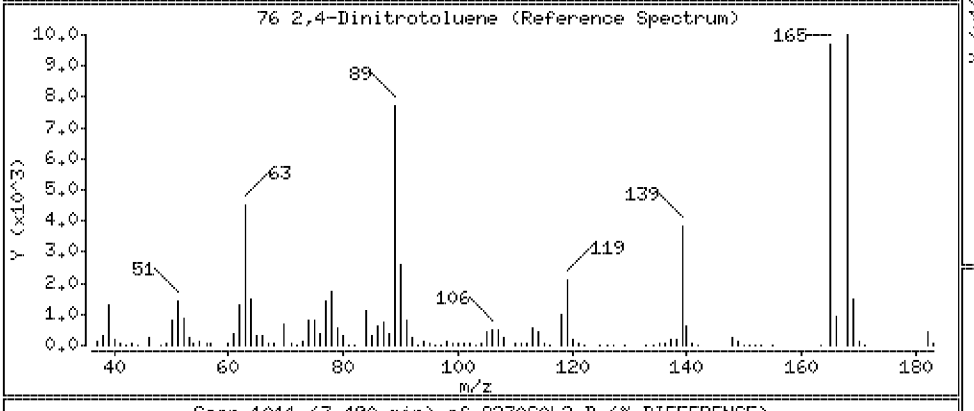
Column diameter: 0.25

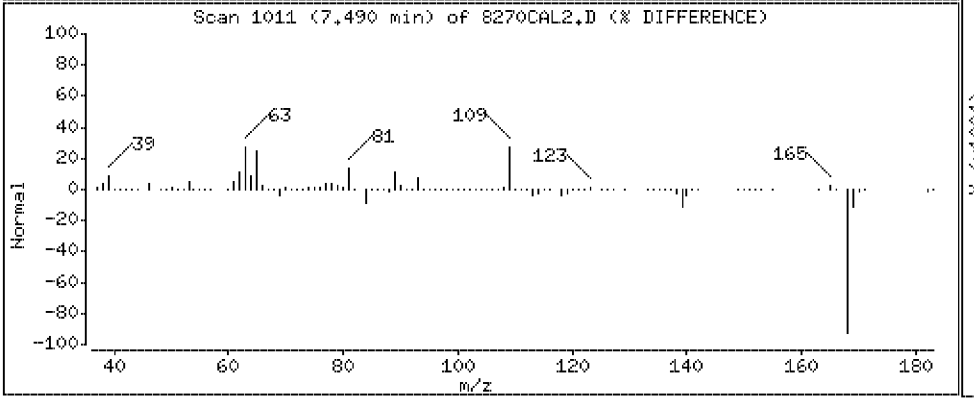
76 2,4-Dinitrotoluene

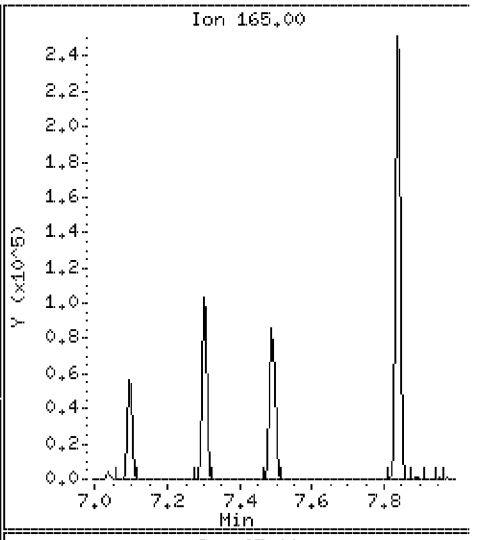
Concentration: 9.3 ug/l

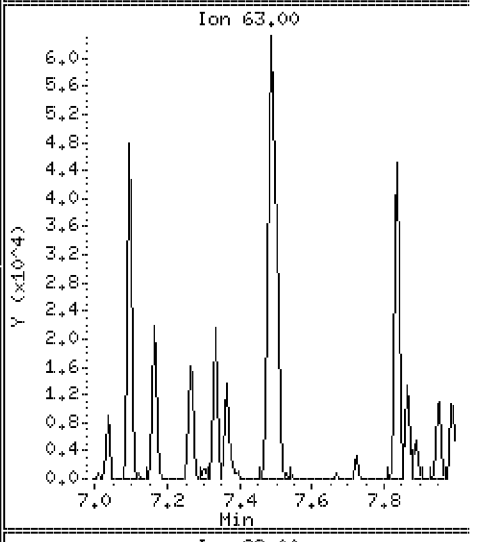


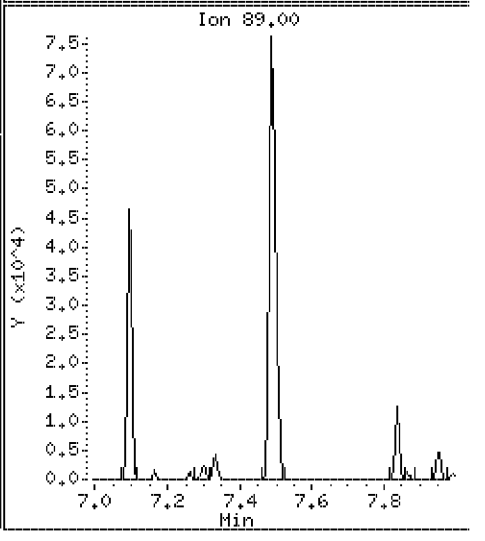












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

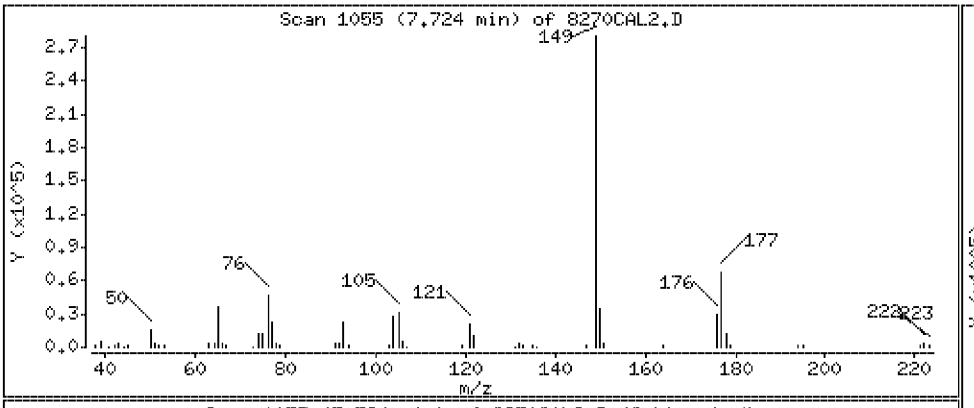
Operator: PEL

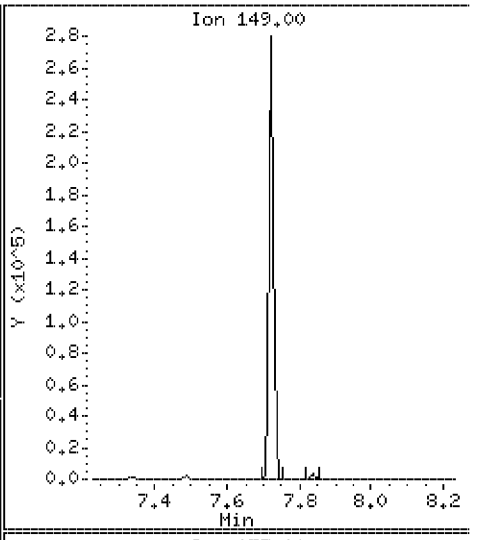
Column phase: HPMS-5

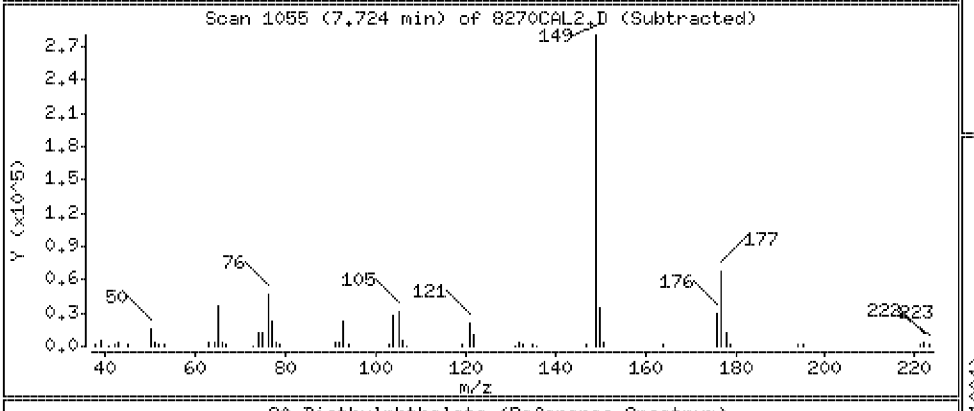
Column diameter: 0.25

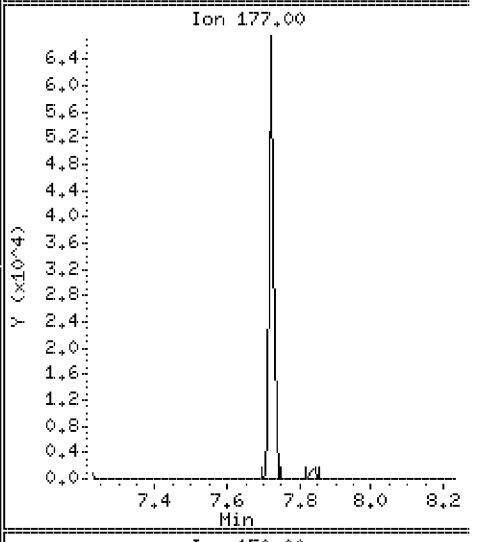
80 Diethylphthalate

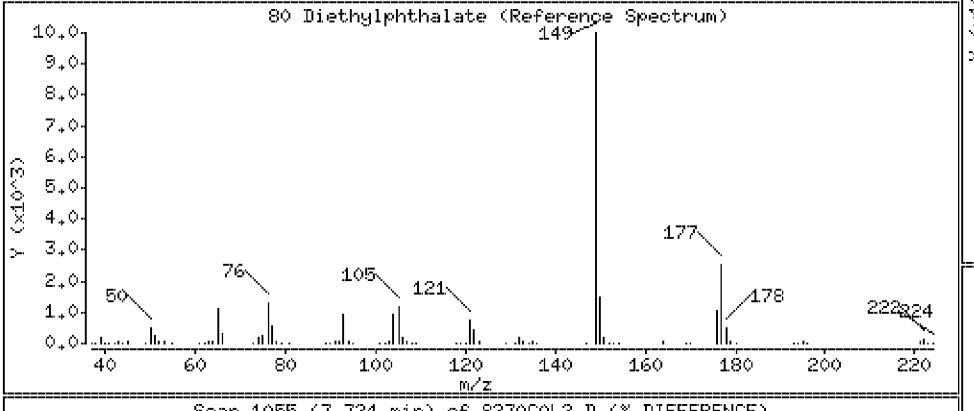
Concentration: 9.8 ug/l

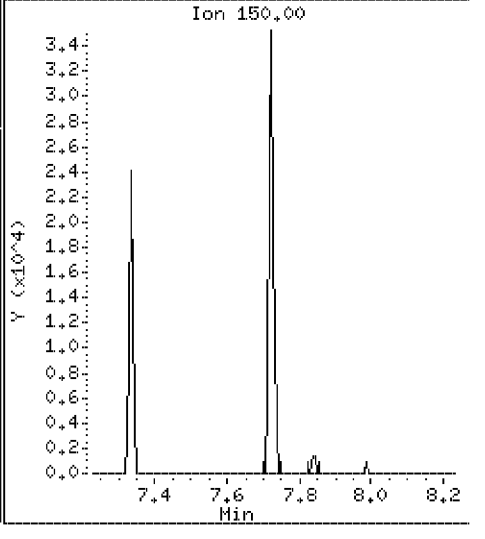


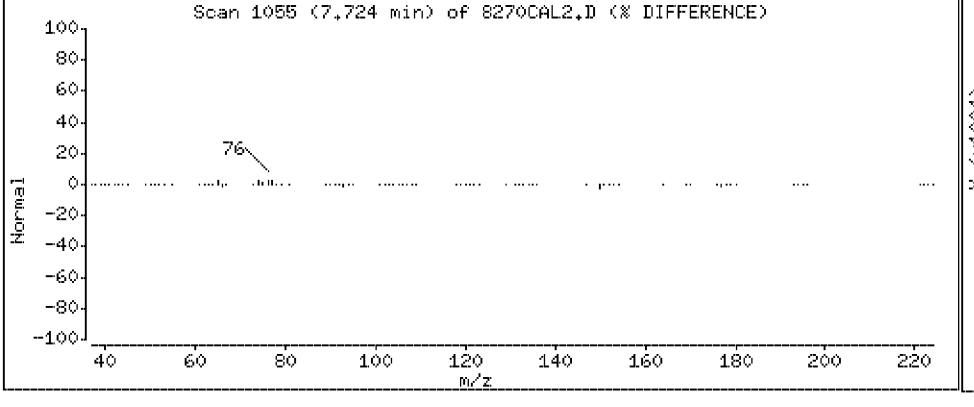












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

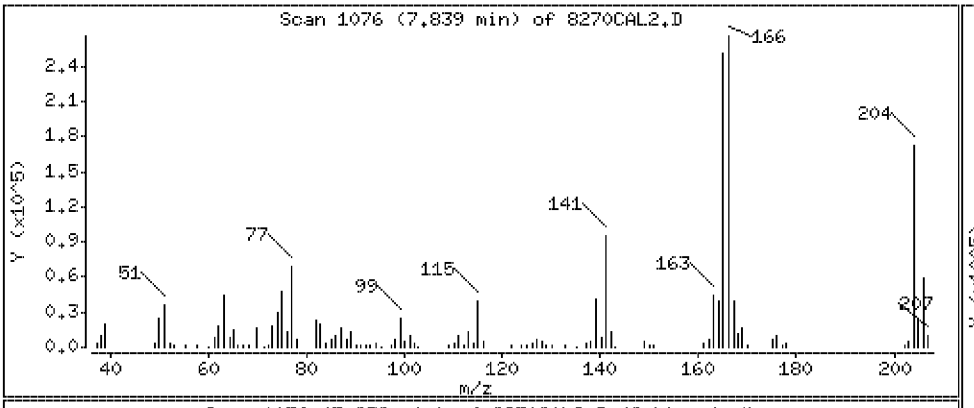
Operator: PEL

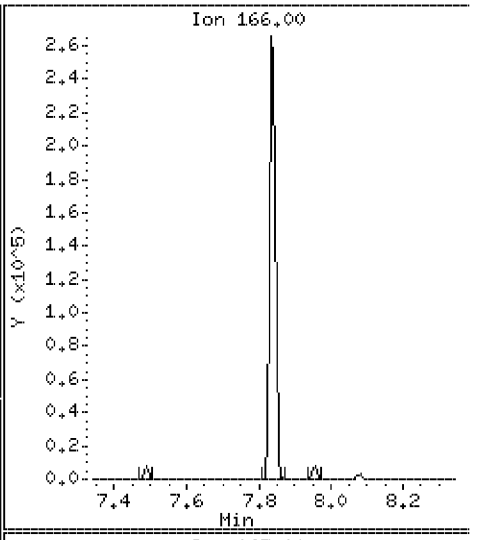
Column phase: HPMS-5

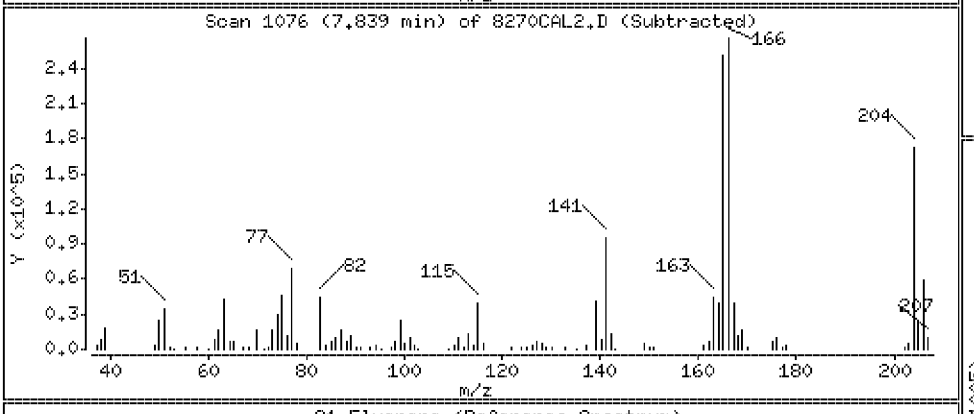
Column diameter: 0.25

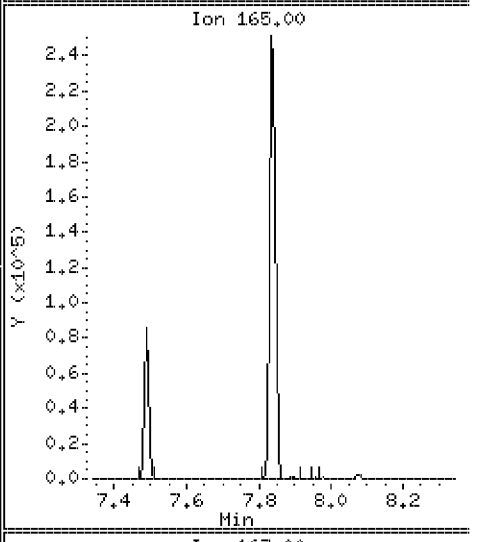
81 Fluorene

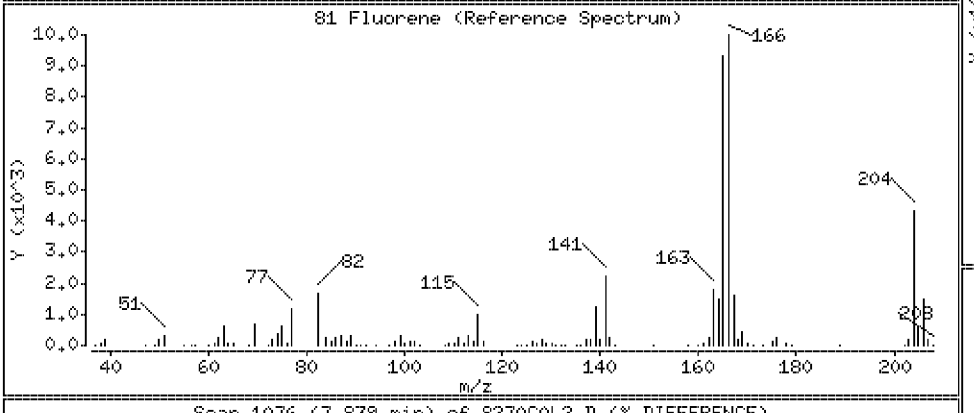
Concentration: 9.1 ug/l

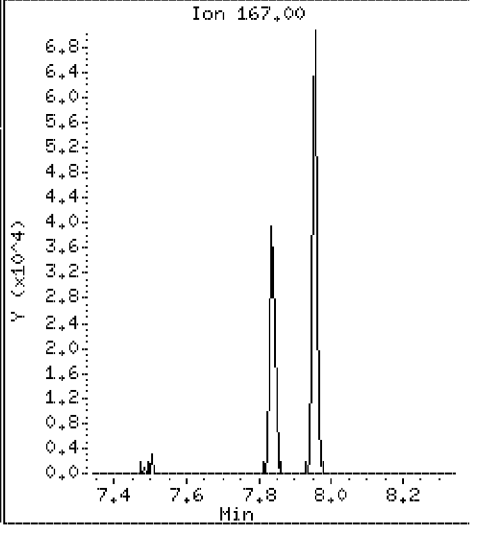


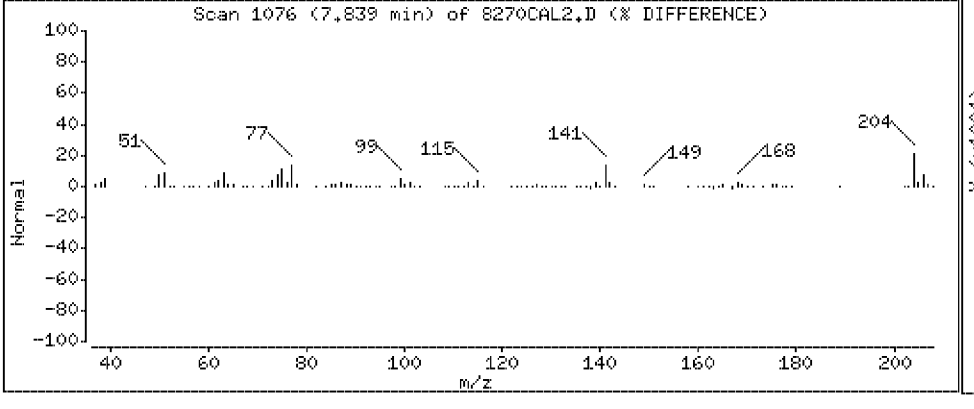












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

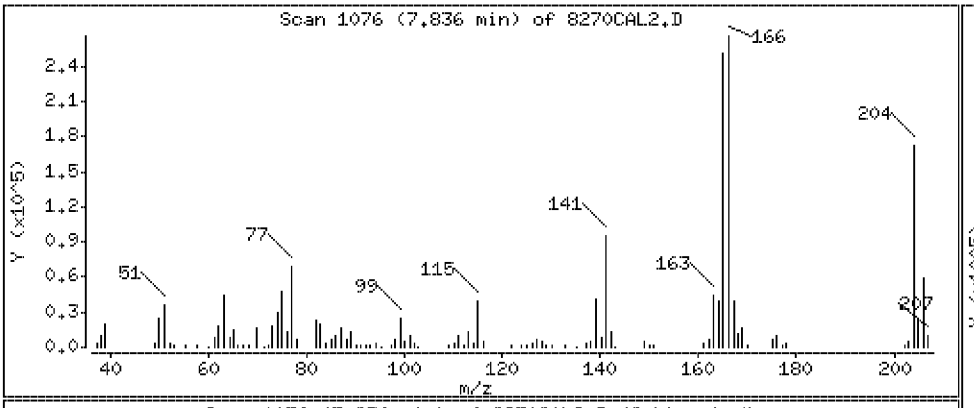
Operator: PEL

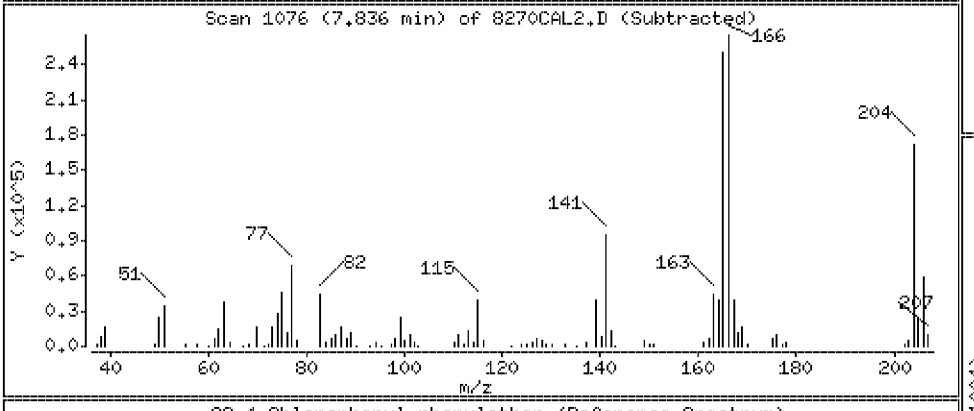
Column phase: HPMS-5

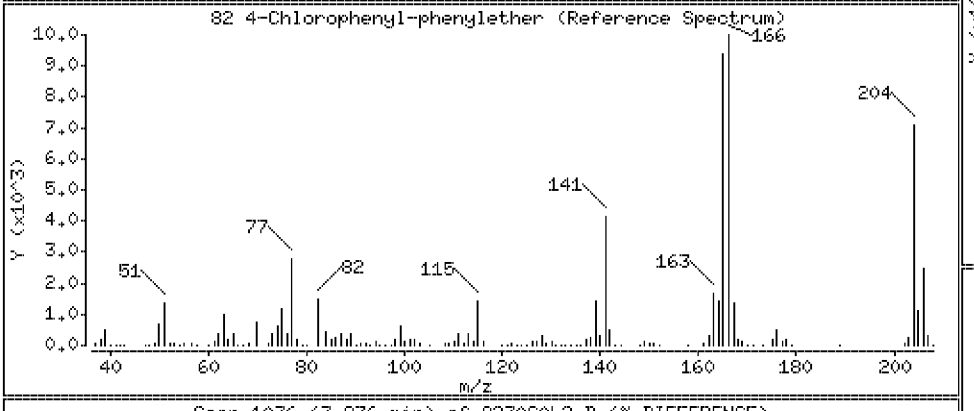
Column diameter: 0.25

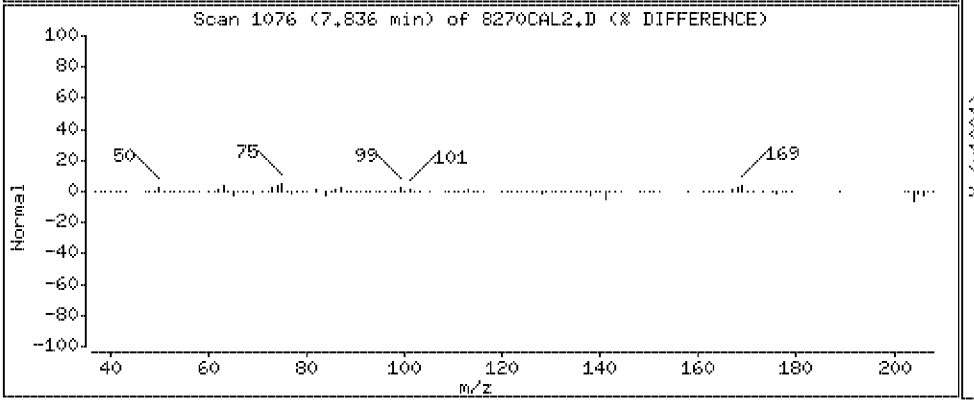
82 4-Chlorophenyl-phenylether

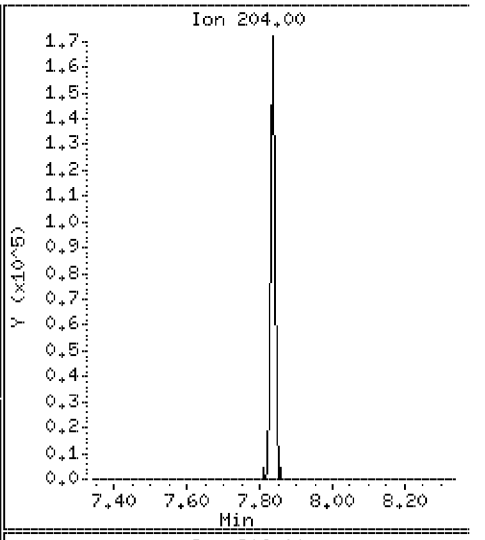
Concentration: 8.8 ug/l

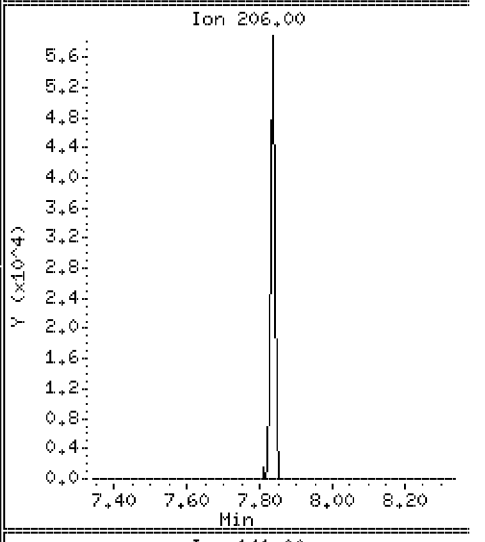


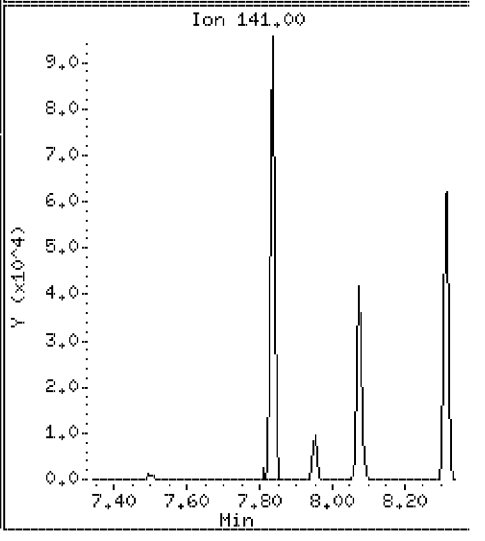












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

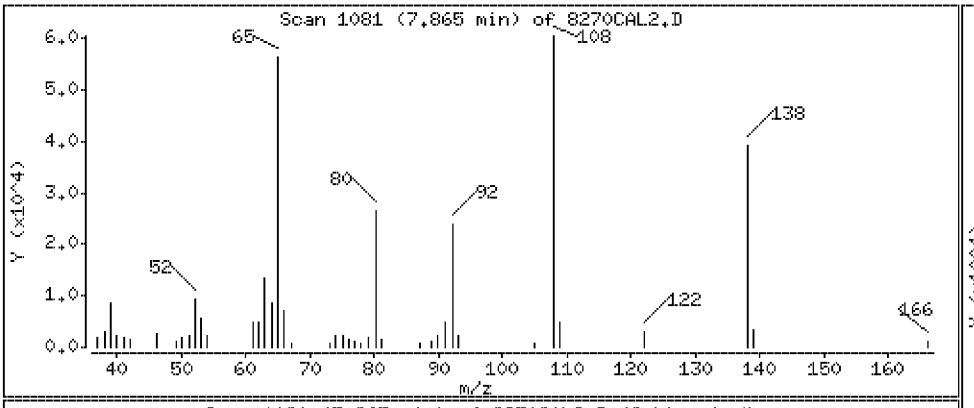
Operator: PEL

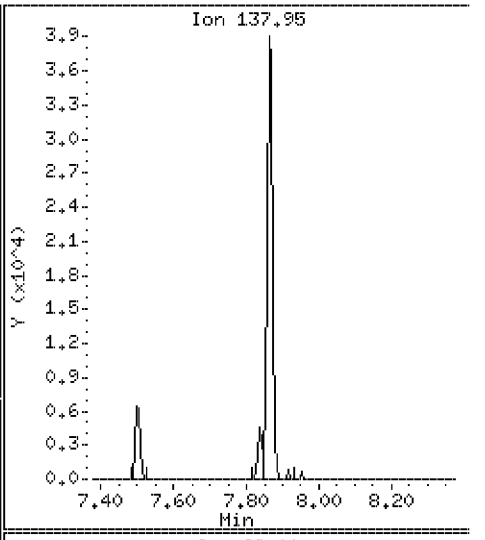
Column phase: HPMS-5

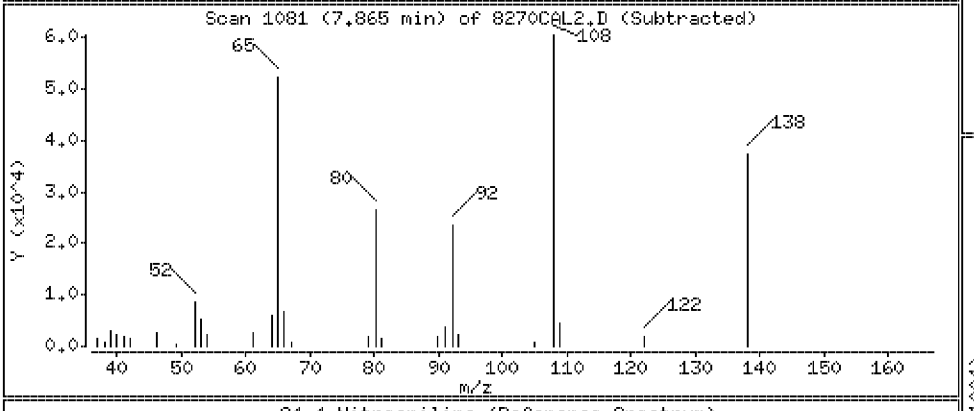
Column diameter: 0.25

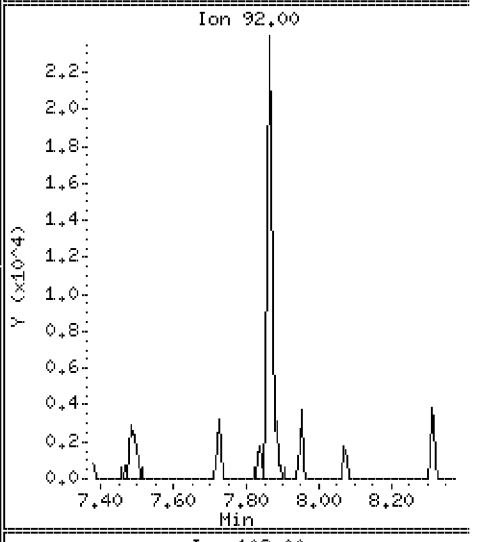
84 4-Nitroaniline

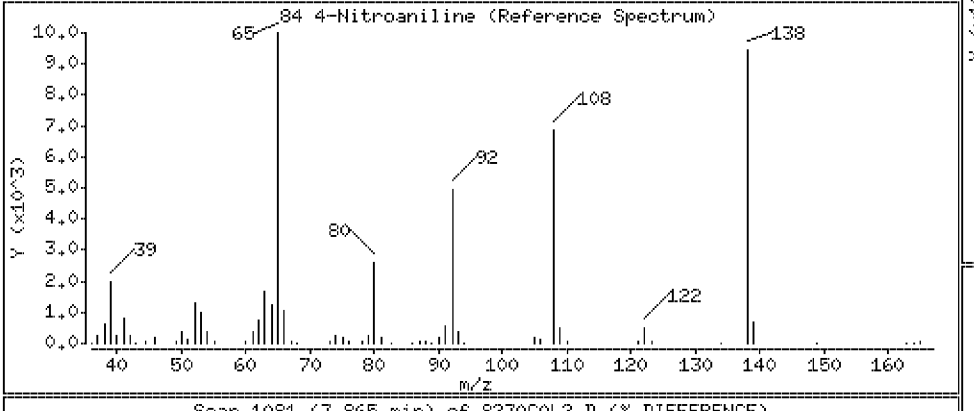
Concentration: 9.3 ug/l

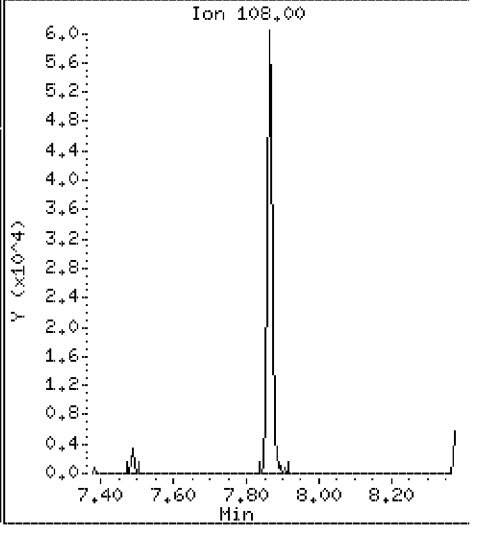


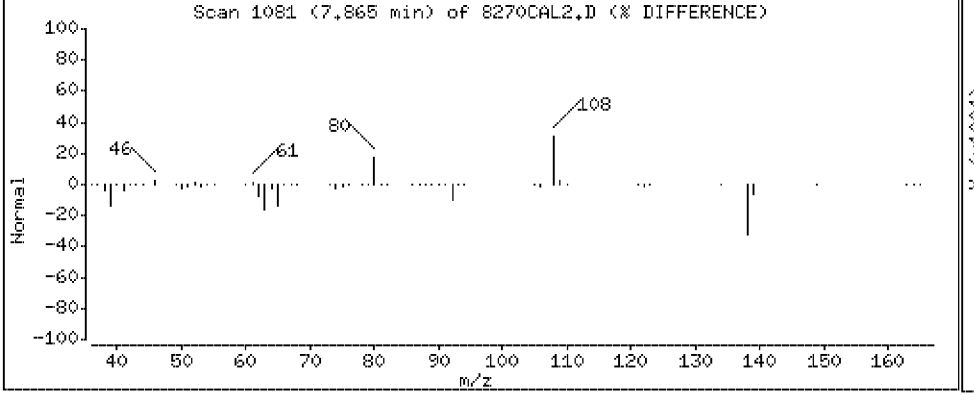












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

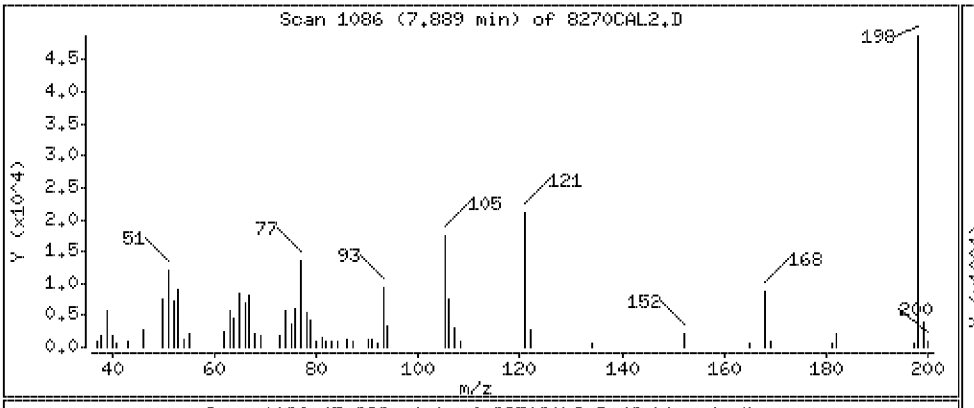
Operator: PEL

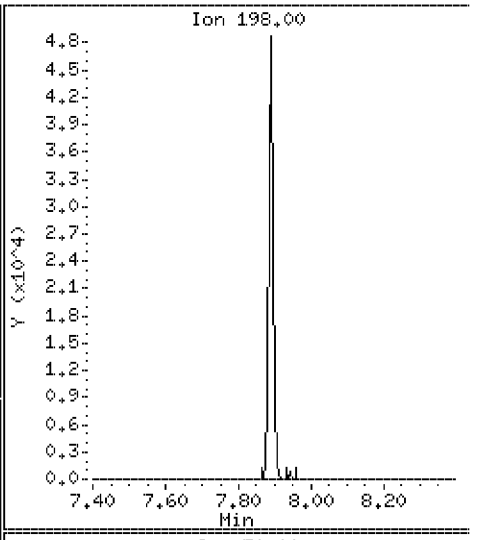
Column phase: HPMS-5

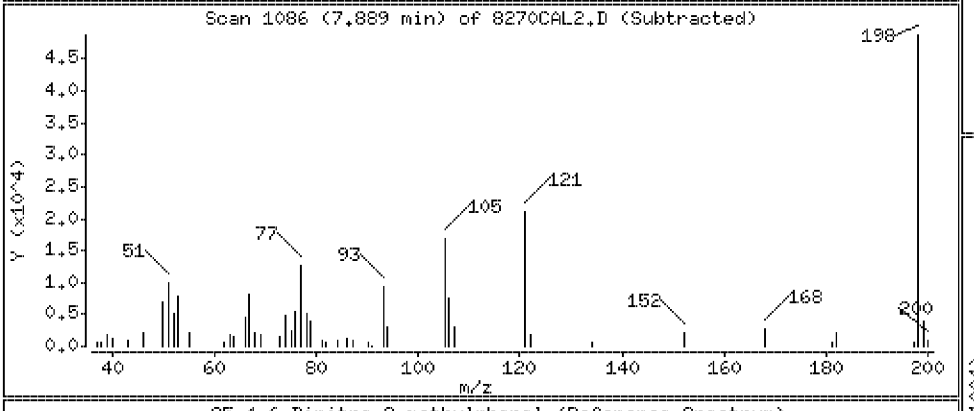
Column diameter: 0.25

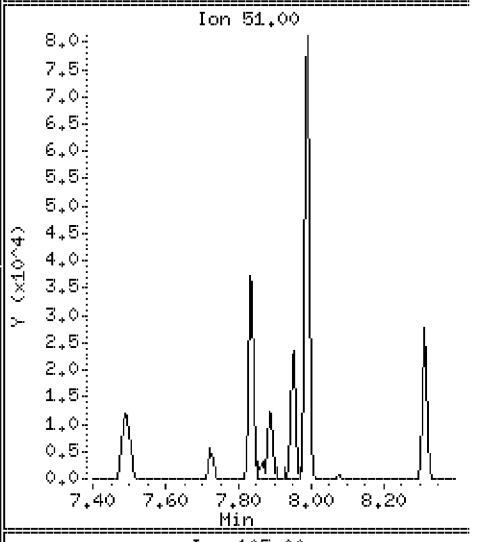
85 4,6-Dinitro-2-methylphenol

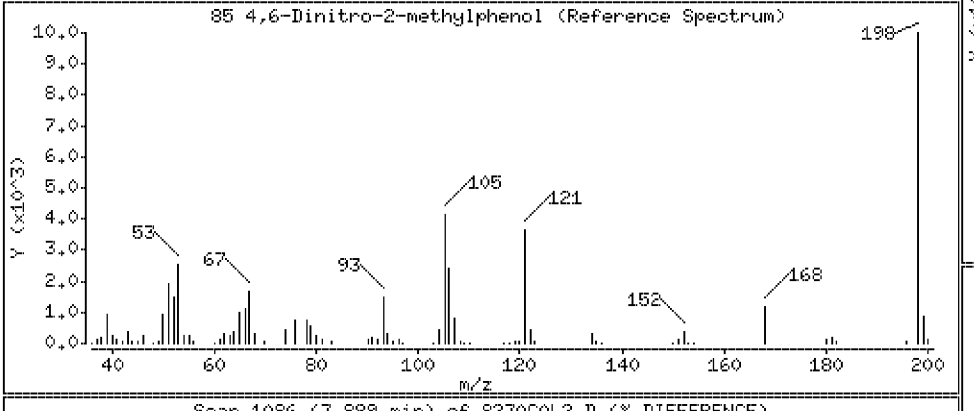
Concentration: 10.4 ug/l

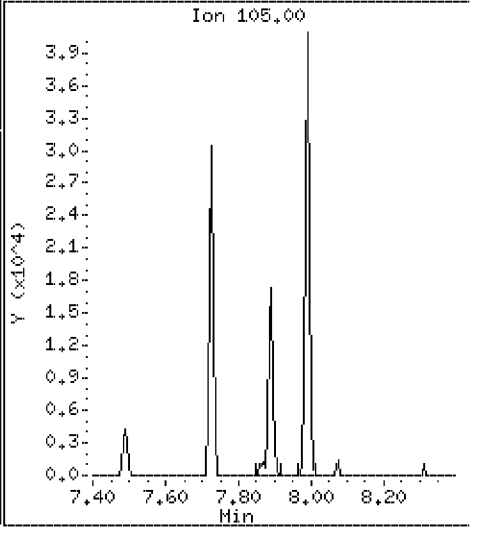


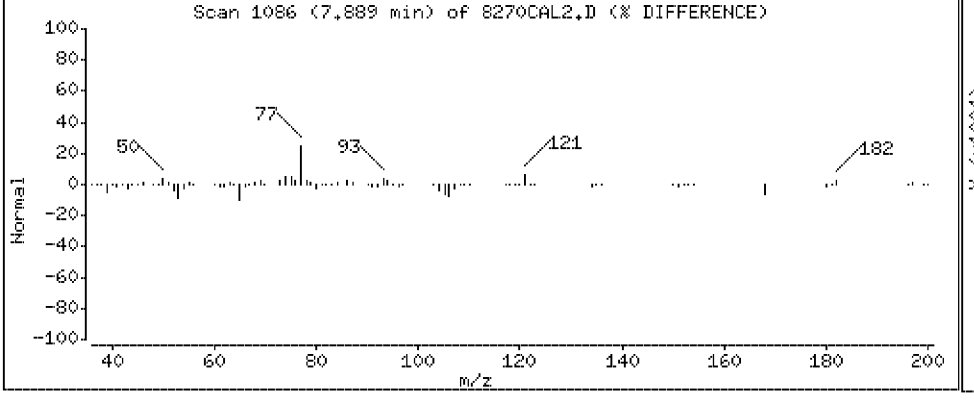












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

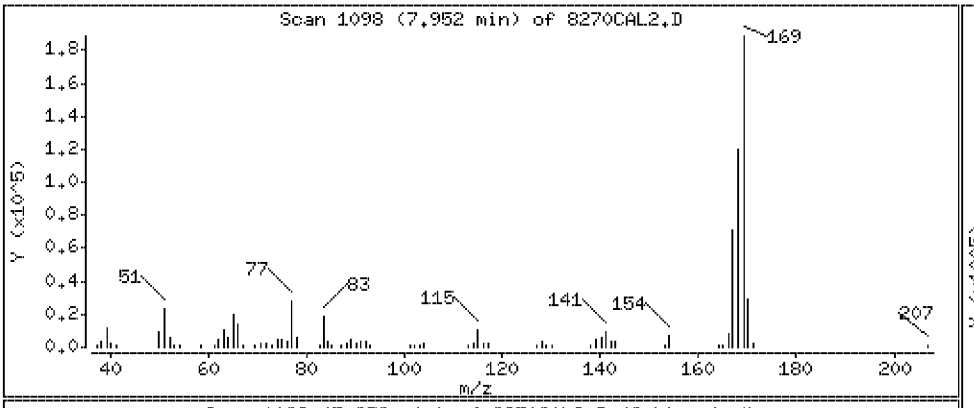
Operator: PEL

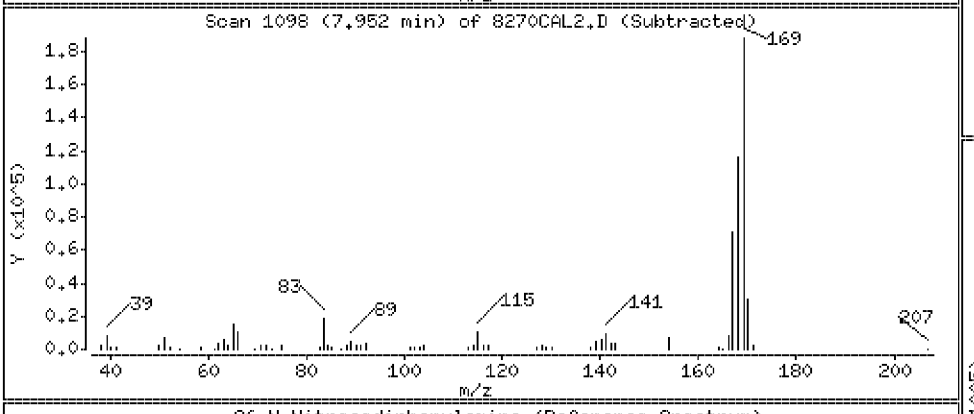
Column phase: HPMS-5

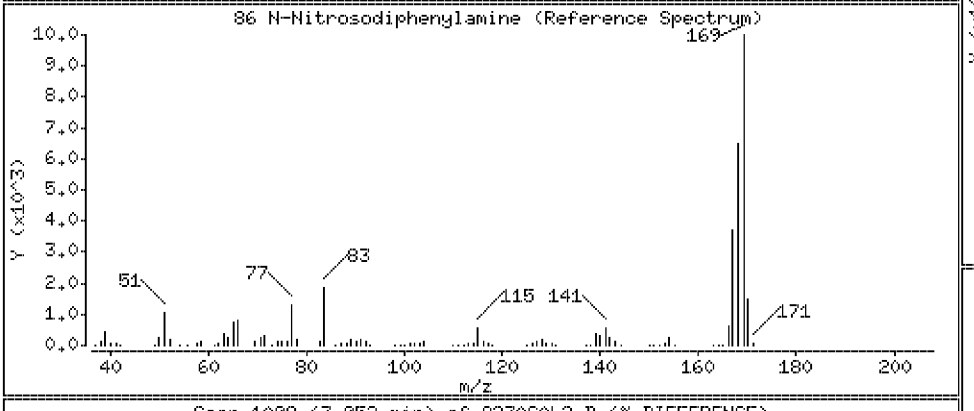
Column diameter: 0.25

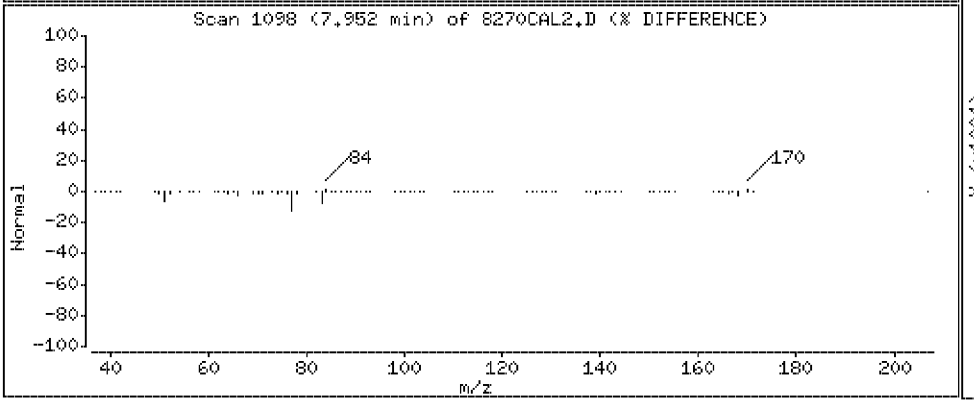
86 N-Nitrosodiphenylamine

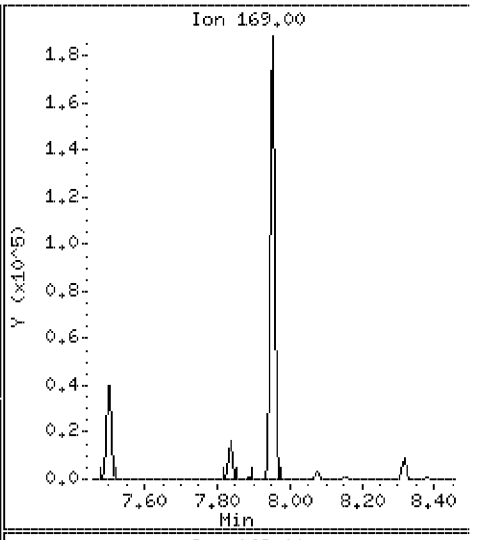
Concentration: 9.7 ug/l

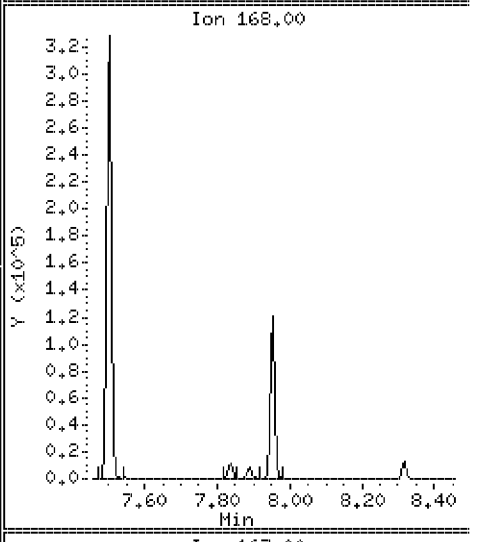


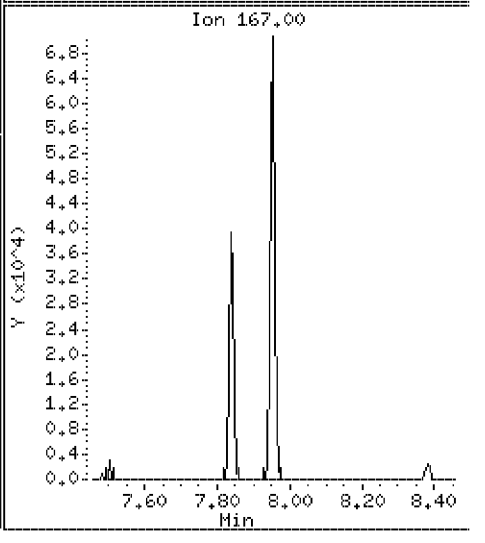












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

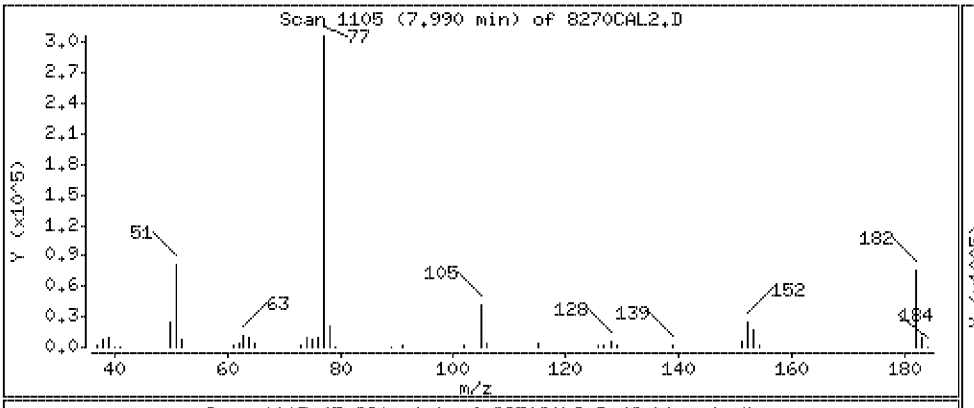
Operator: PEL

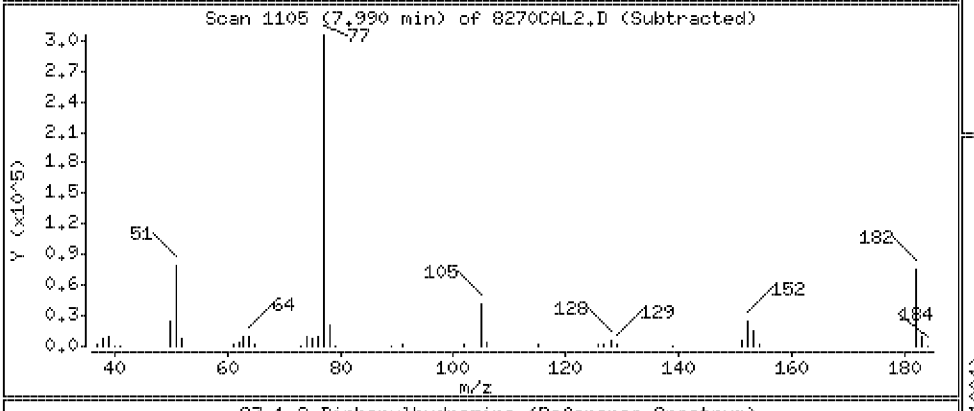
Column phase: HPMS-5

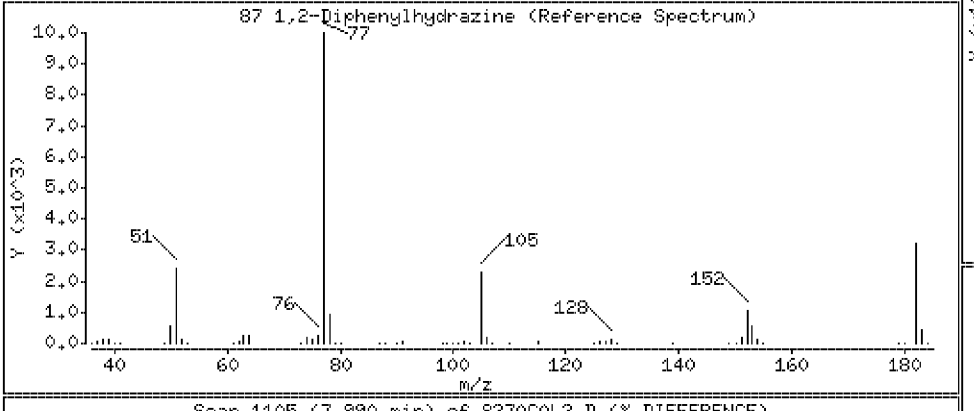
Column diameter: 0.25

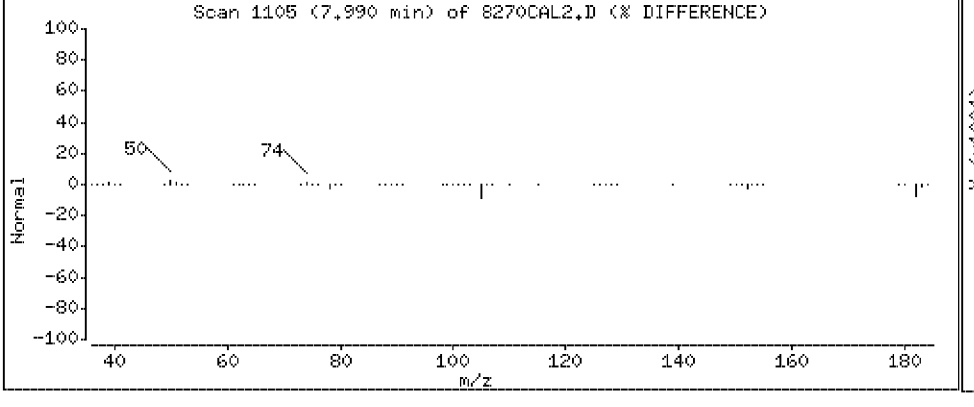
87 1,2-Diphenylhydrazine

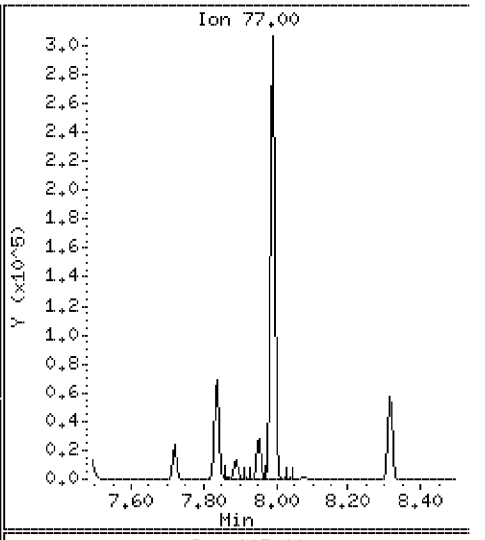
Concentration: 10.1 ug/l

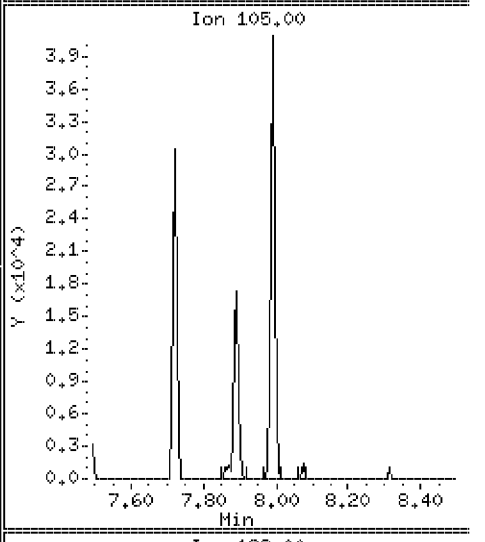


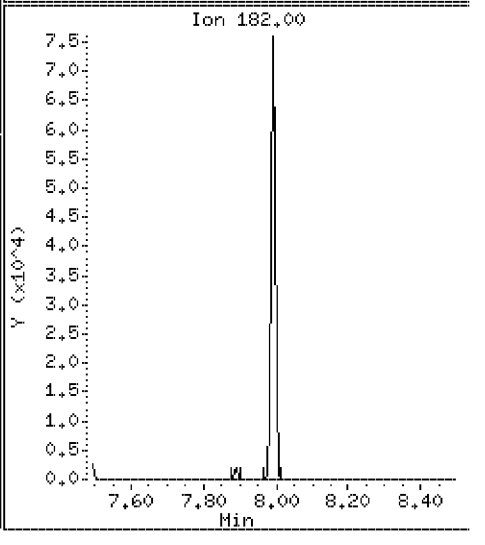












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

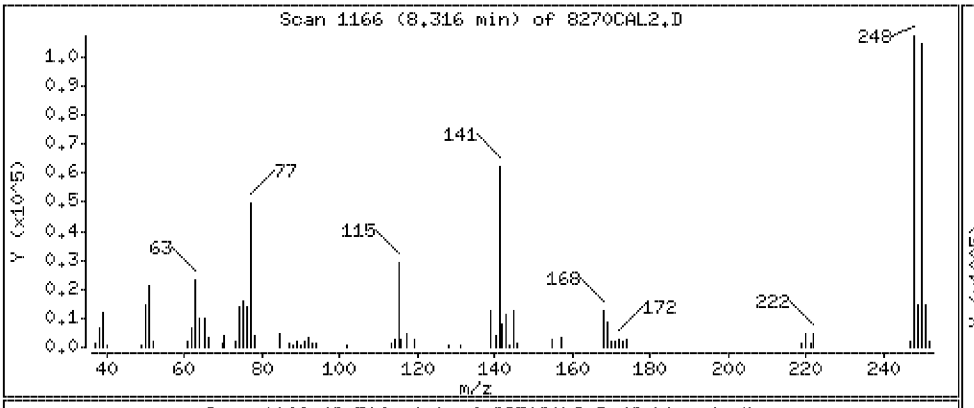
Operator: PEL

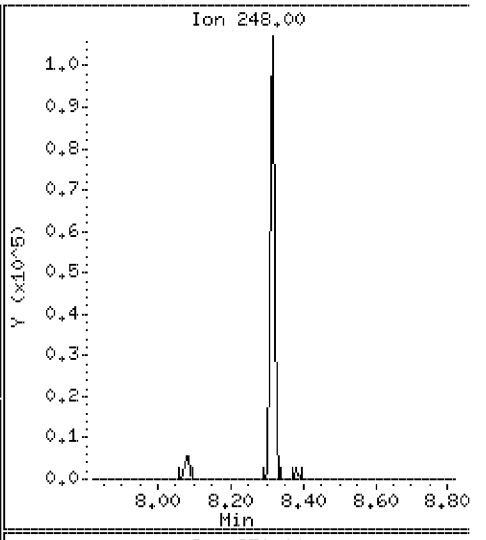
Column phase: HPMS-5

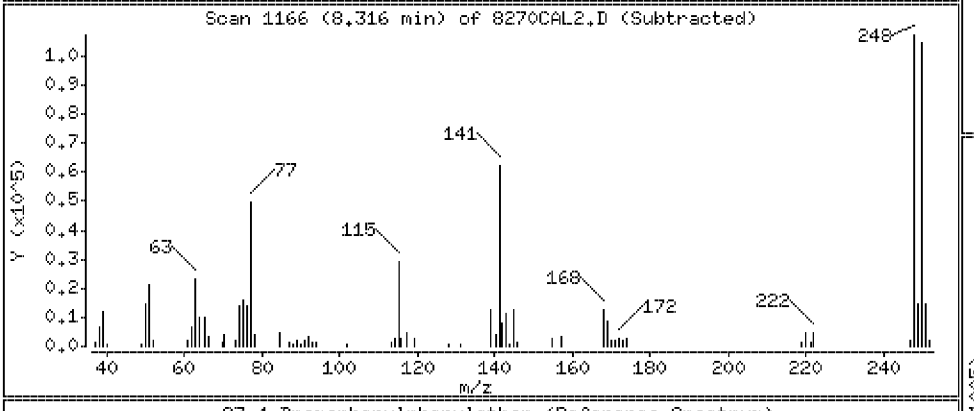
Column diameter: 0.25

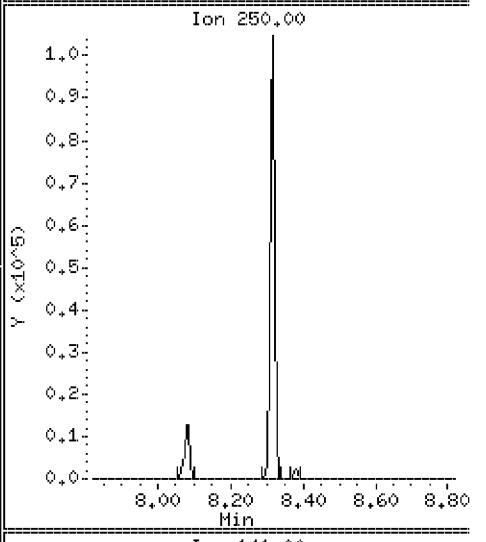
93 4-Bromophenylphenylether

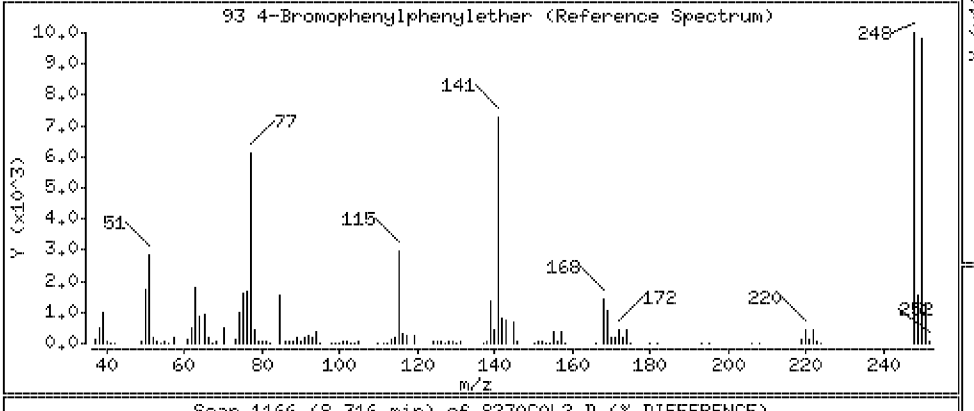
Concentration: 9.3 ug/l

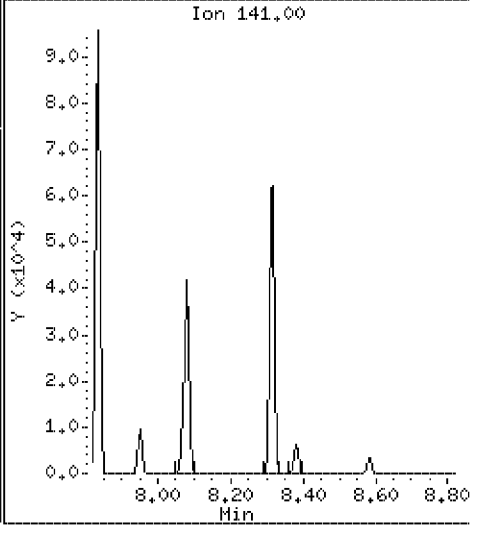


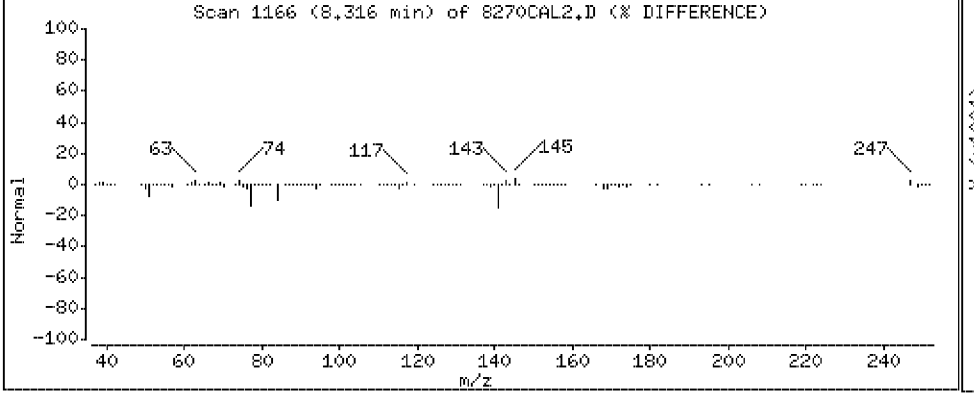












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

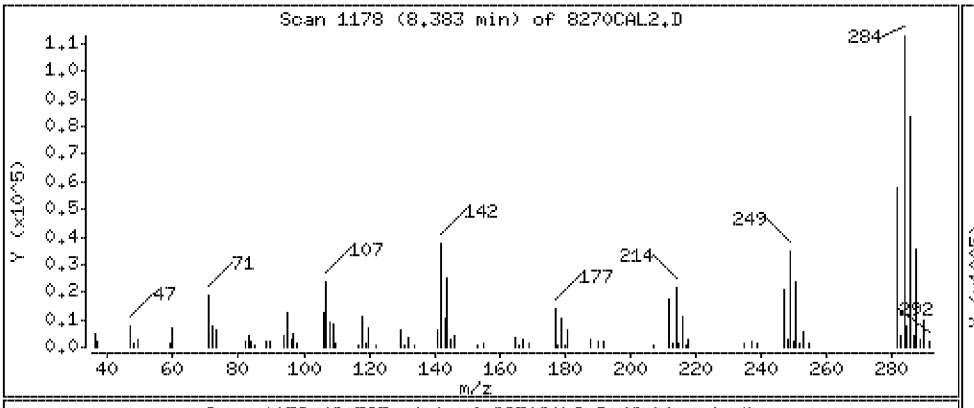
Operator: PEL

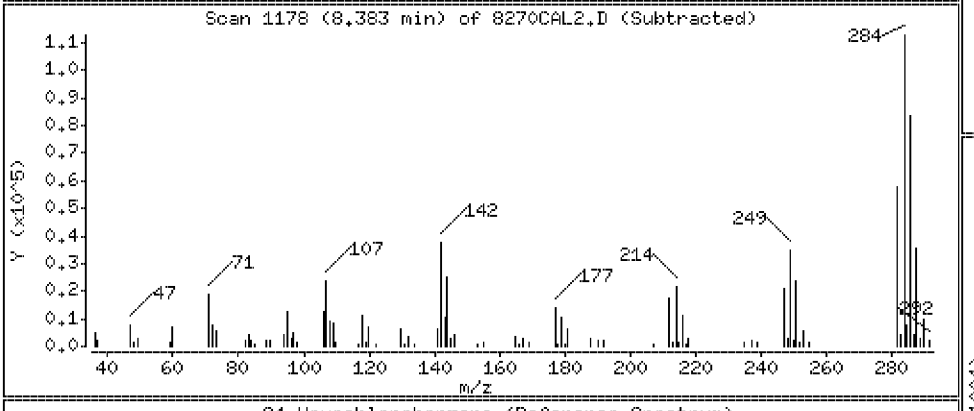
Column phase: HPMS-5

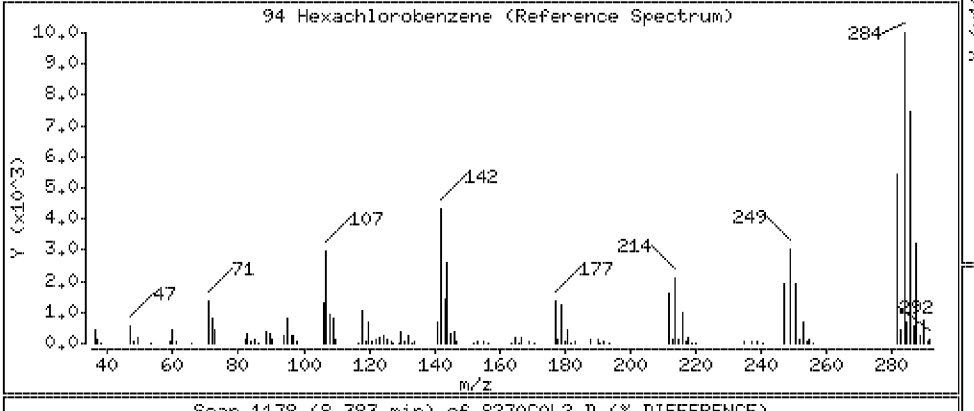
Column diameter: 0.25

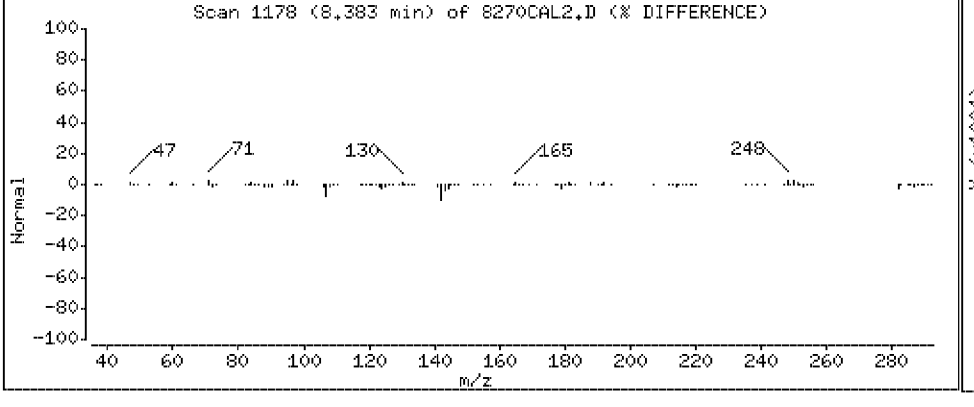
94 Hexachlorobenzene

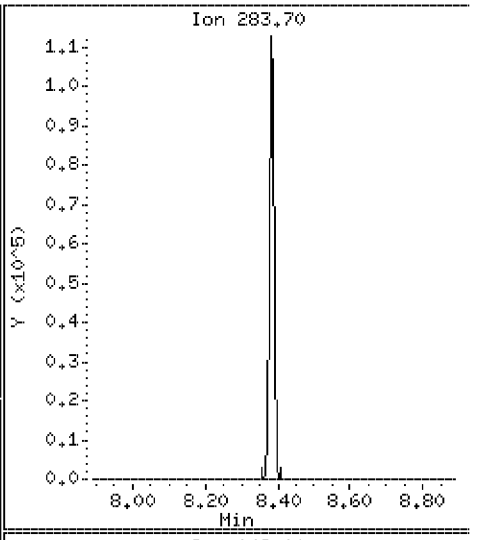
Concentration: 9.0 ug/l

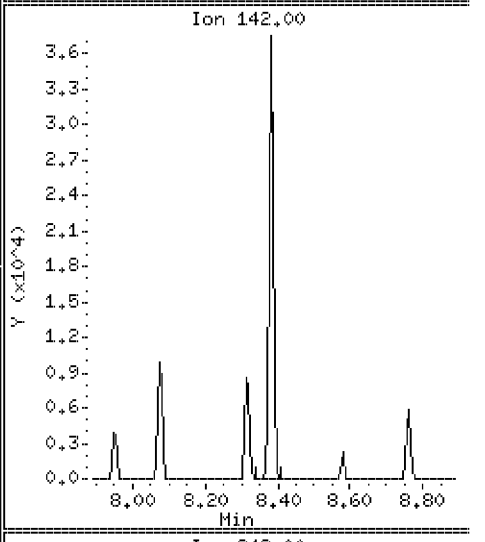


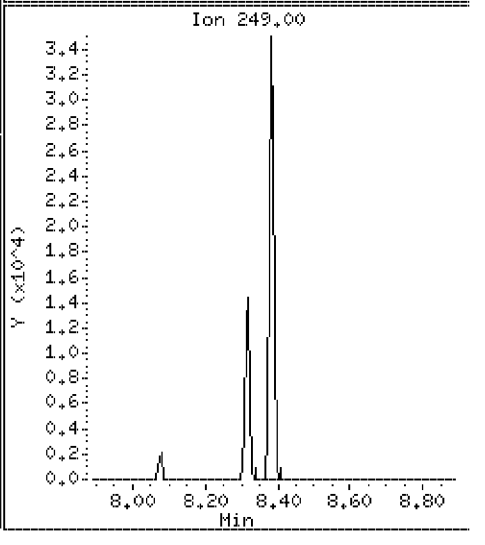












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

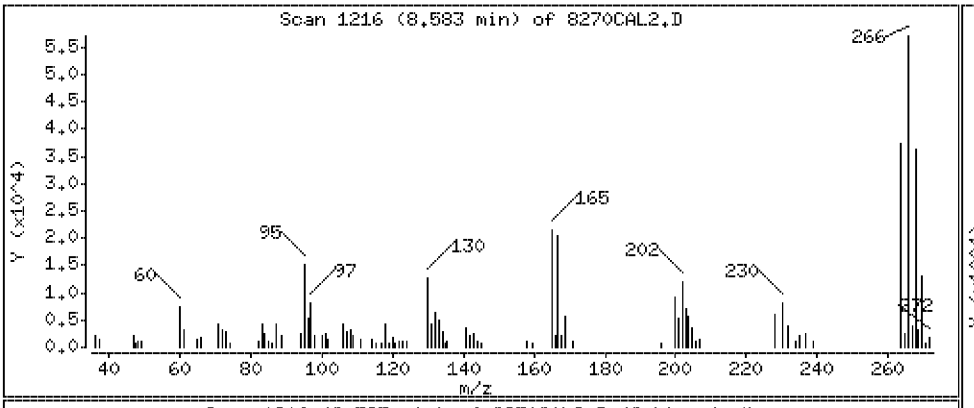
Operator: PEL

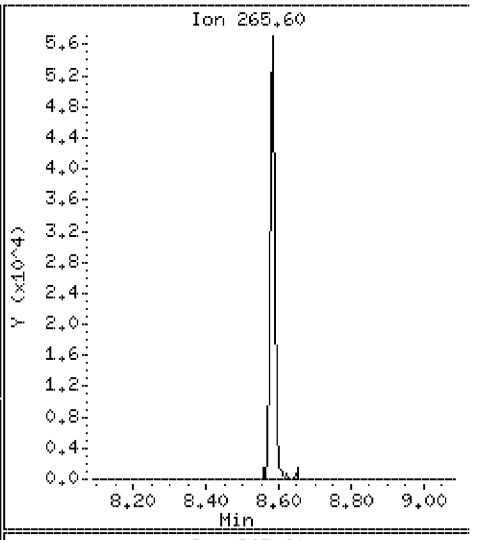
Column phase: HPMS-5

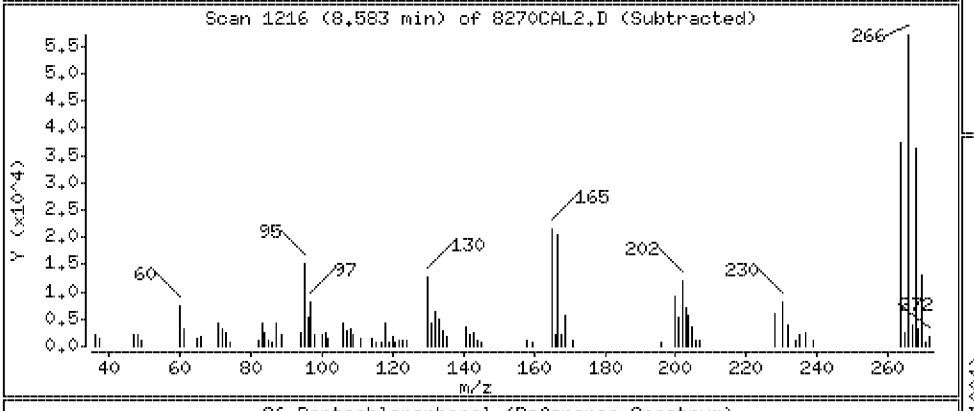
Column diameter: 0.25

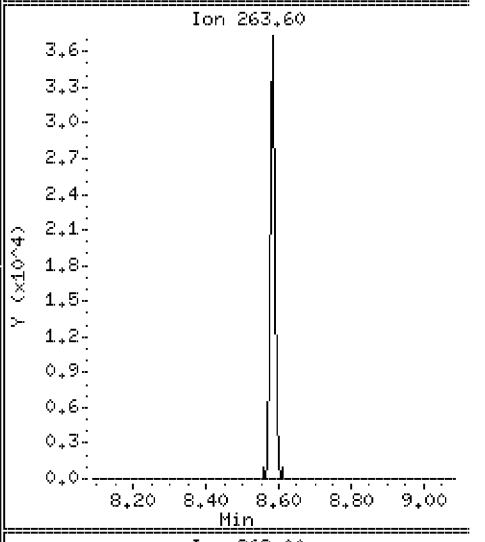
96 Pentachlorophenol

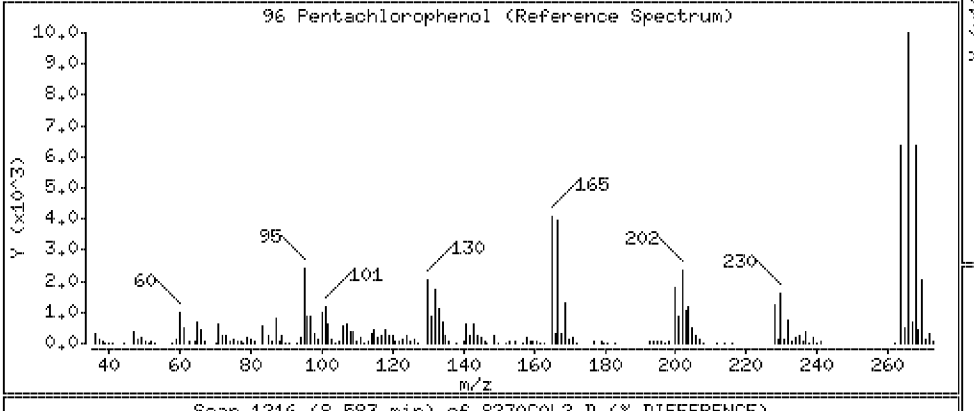
Concentration: 7.8 ug/l

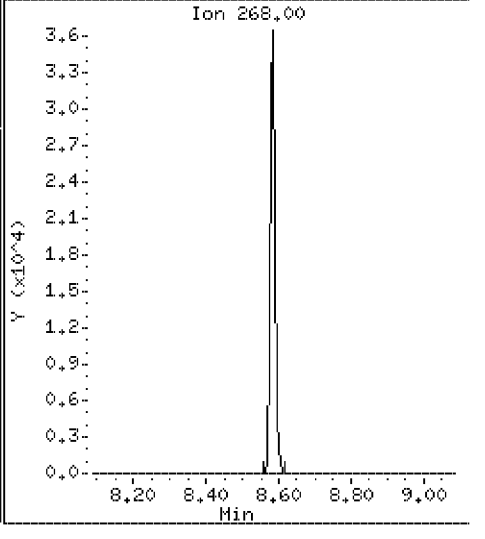


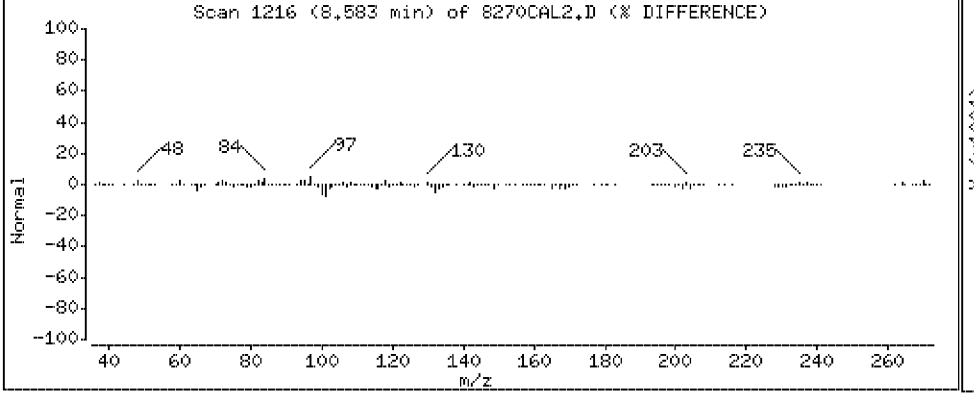












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

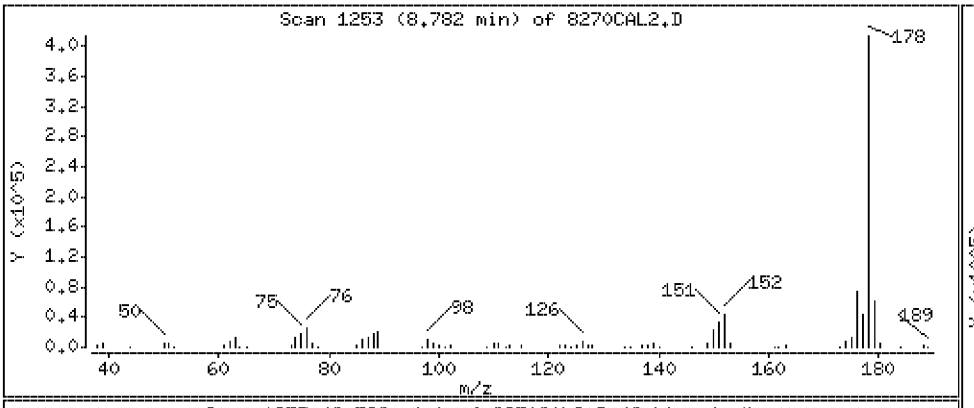
Operator: PEL

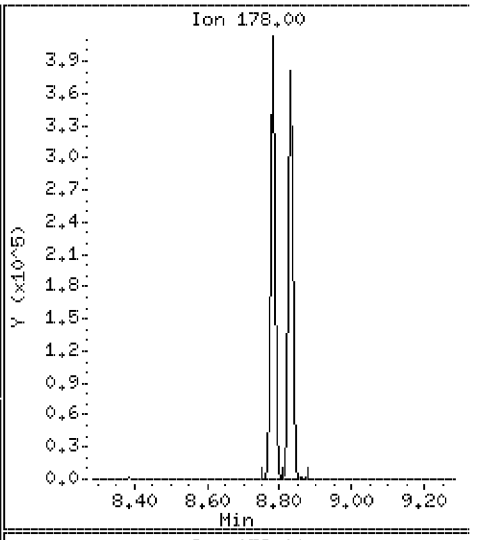
Column phase: HPMS-5

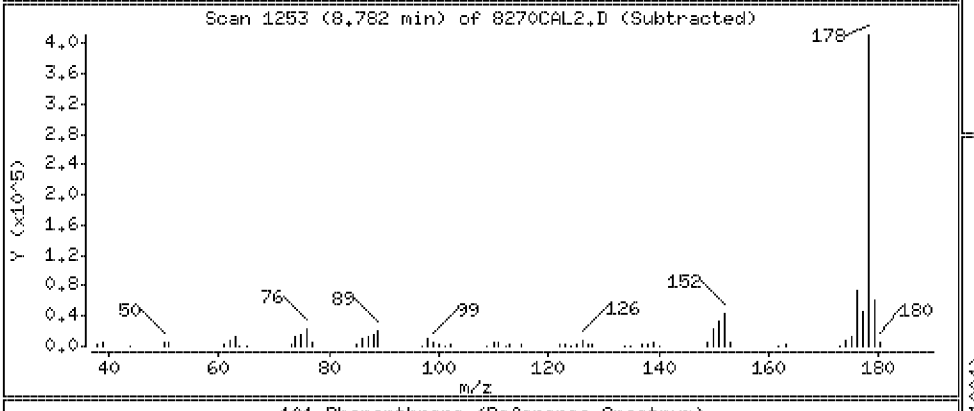
Column diameter: 0.25

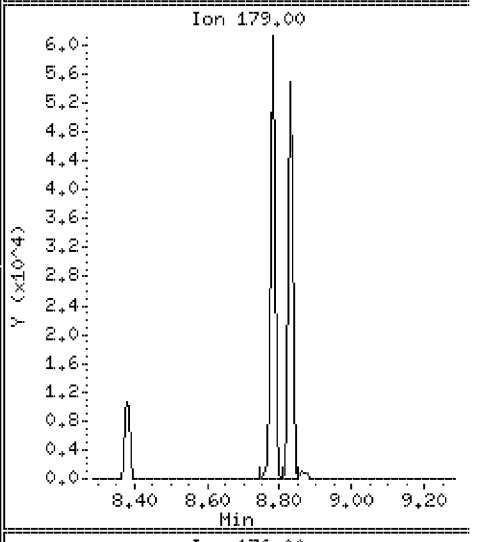
101 Phenanthrene

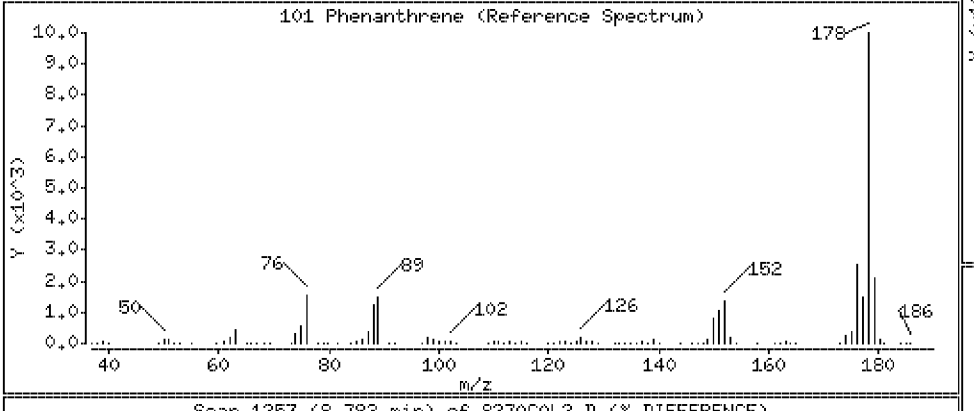
Concentration: 9.8 ug/l

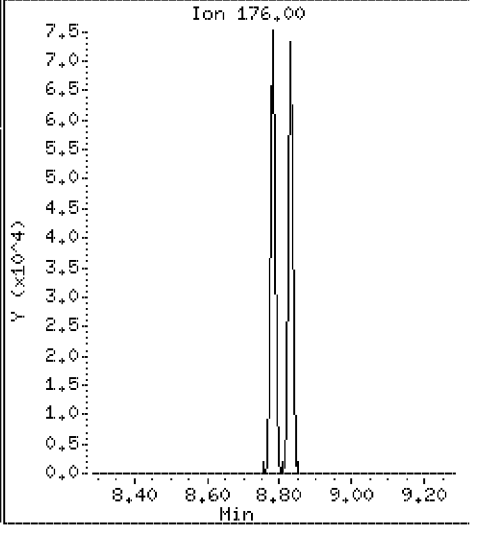


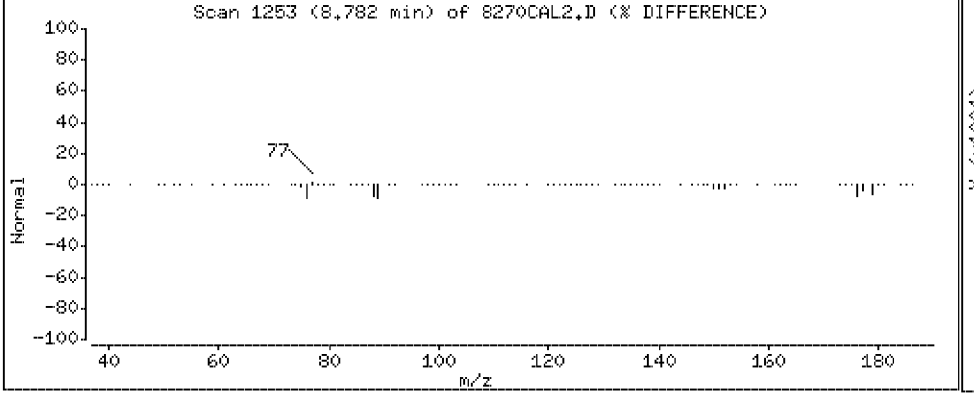












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

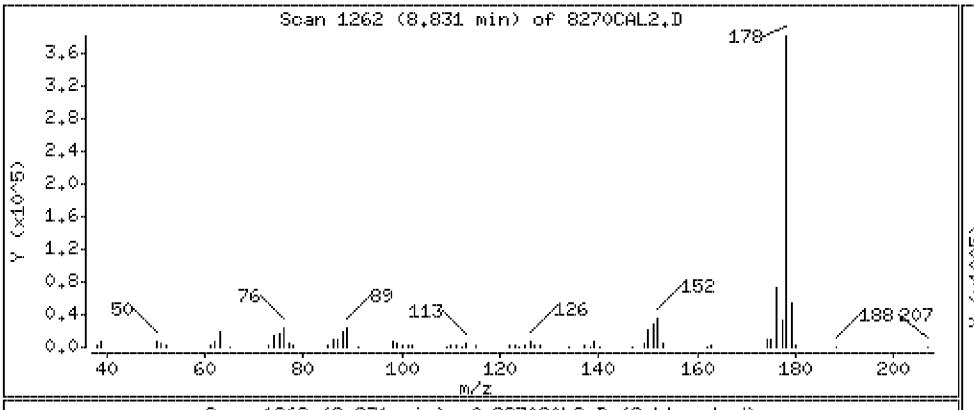
Operator: PEL

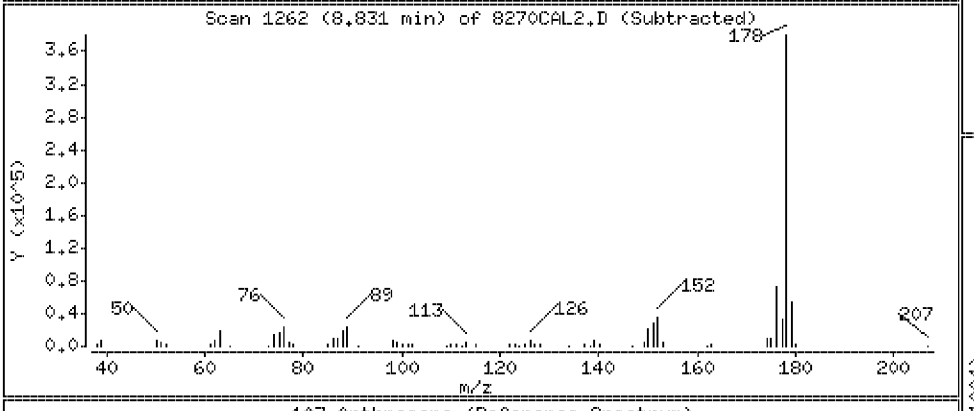
Column phase: HPMS-5

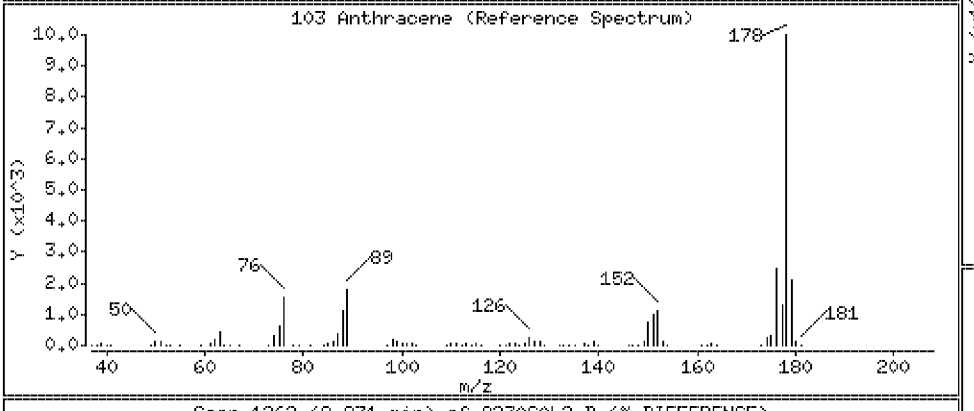
Column diameter: 0.25

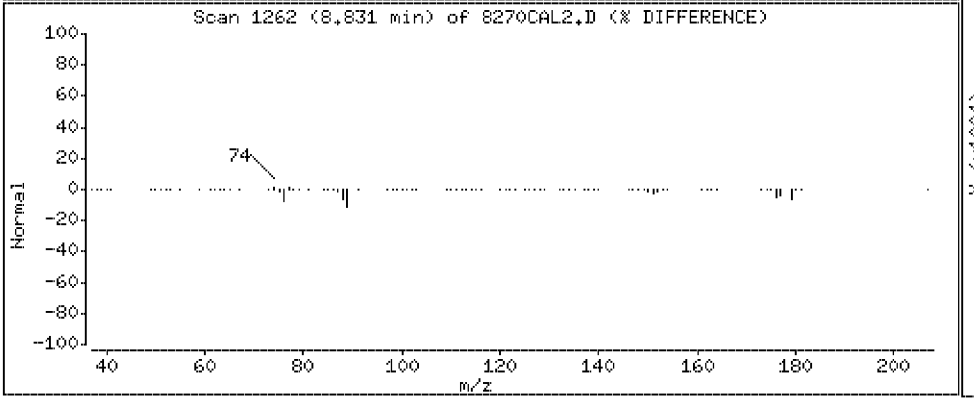
103 Anthracene

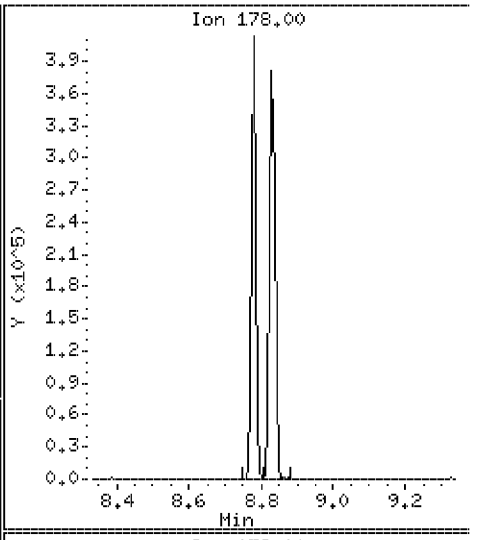
Concentration: 9.7 ug/l

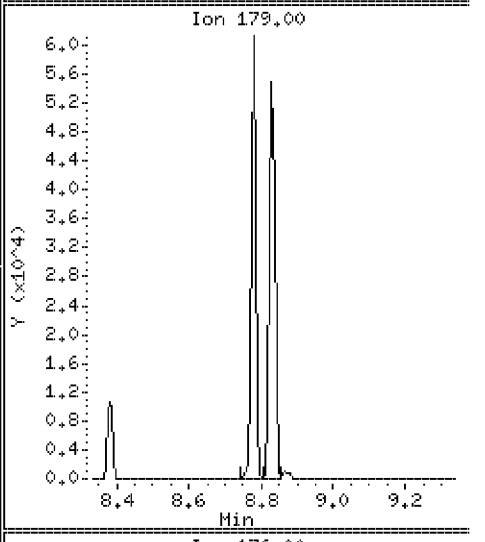


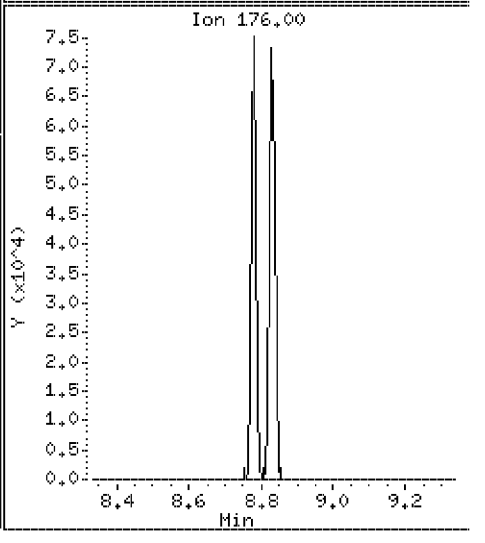












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

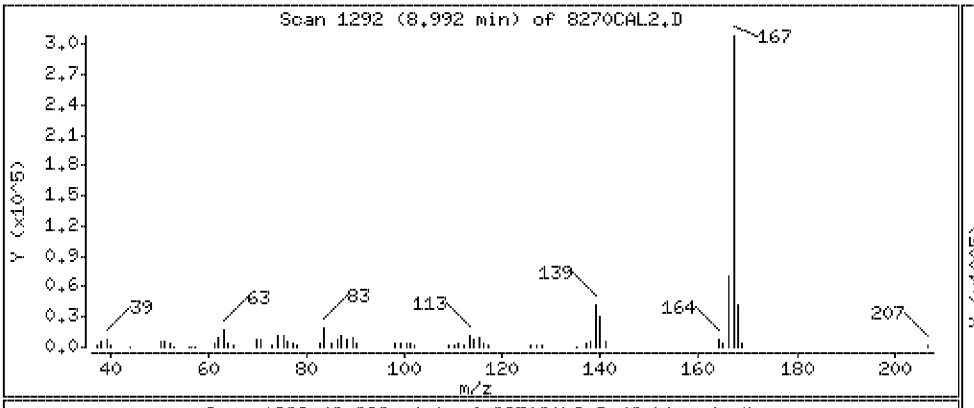
Operator: PEL

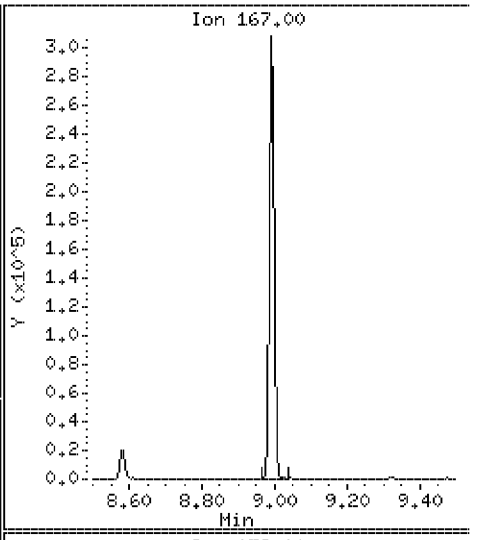
Column phase: HPMS-5

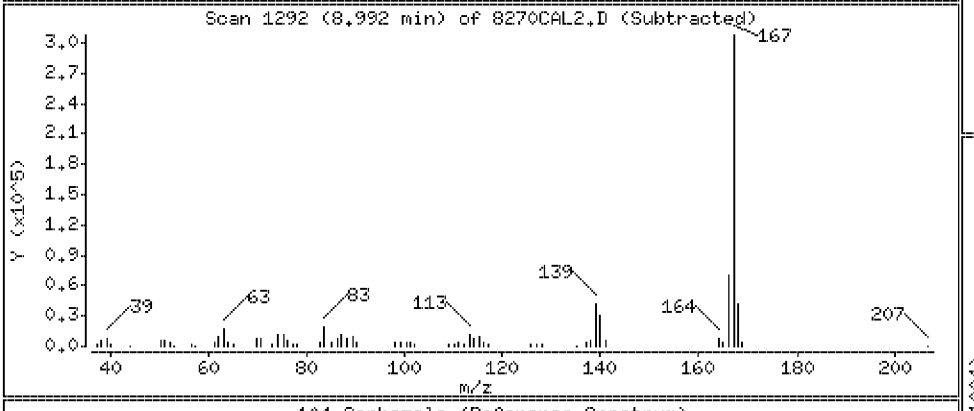
Column diameter: 0.25

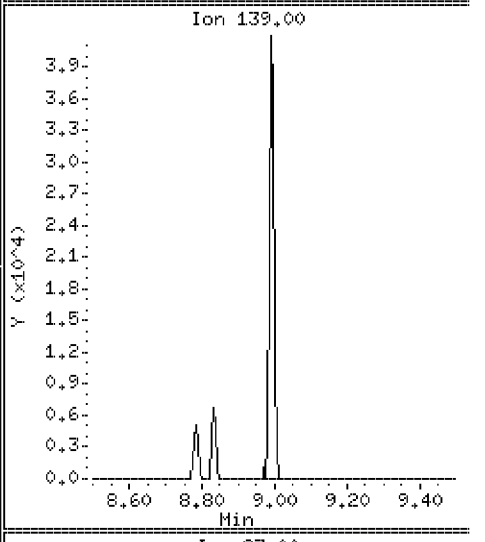
104 Carbazole

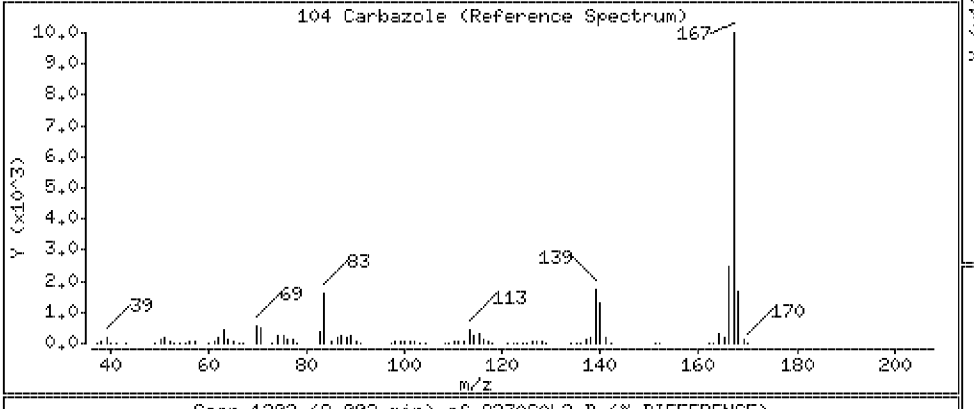
Concentration: 10 ug/l

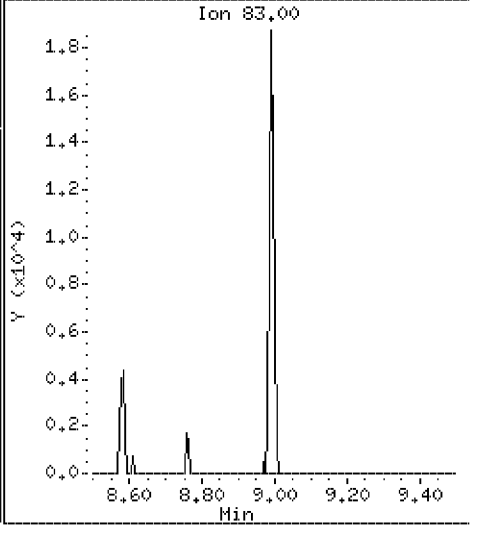


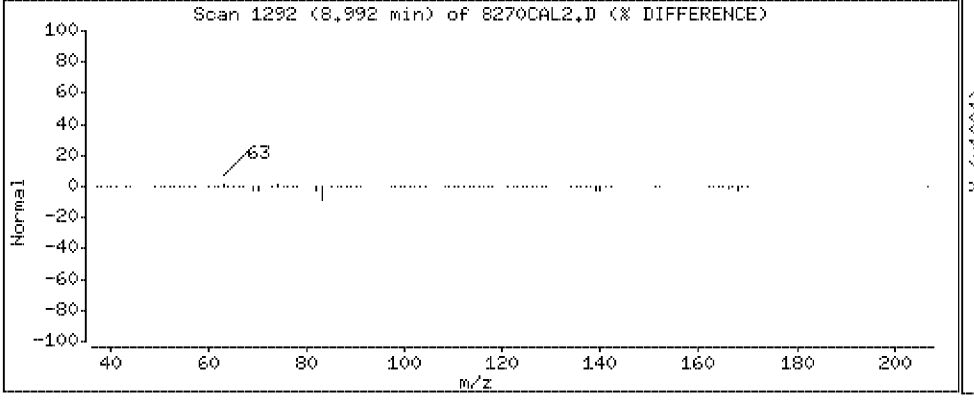












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

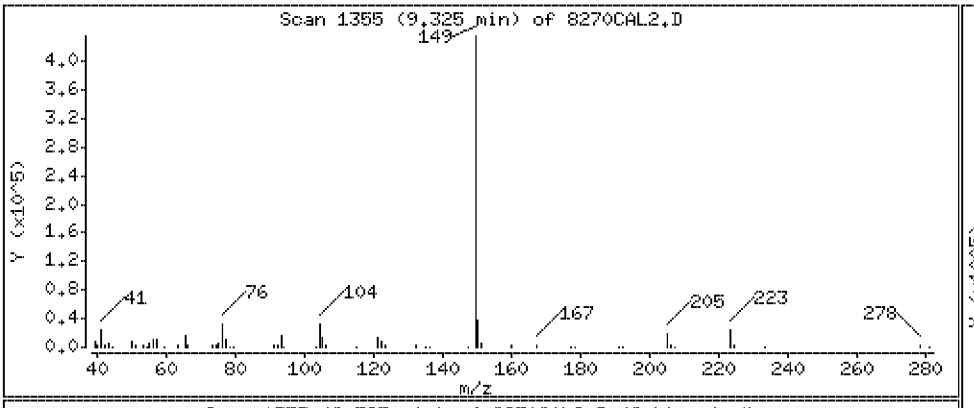
Operator: PEL

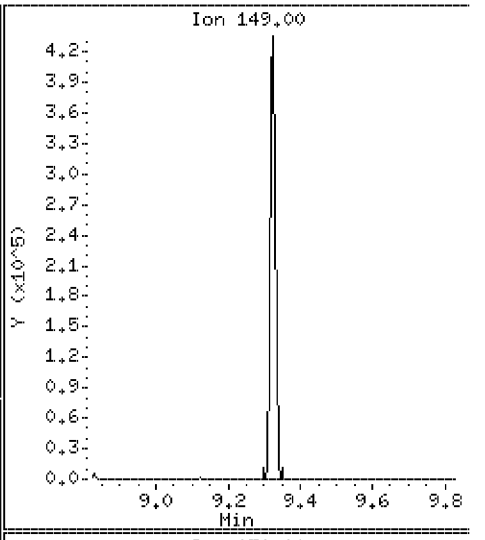
Column phase: HPMS-5

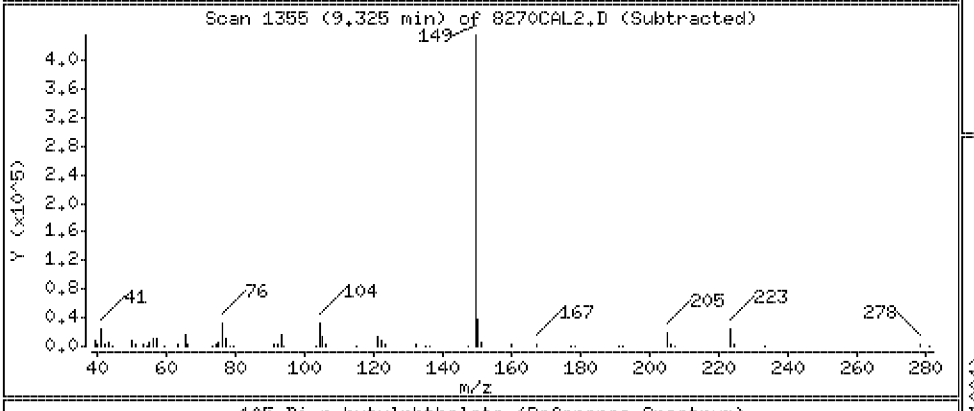
Column diameter: 0.25

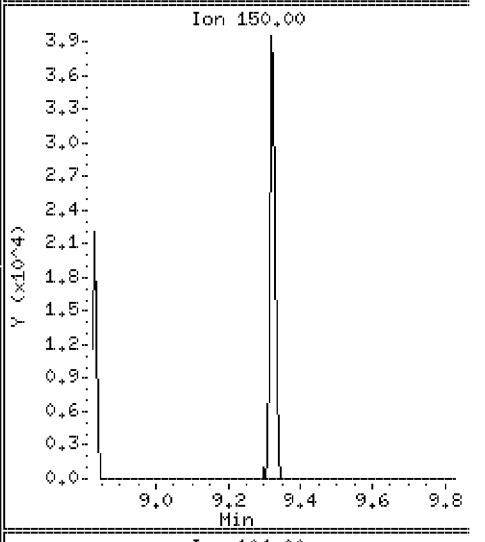
105 Di-n-butylphthalate

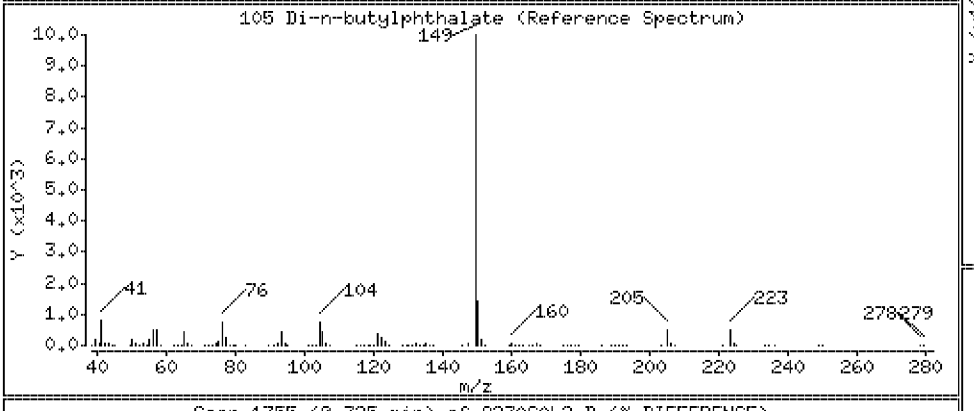
Concentration: 9.7 ug/l

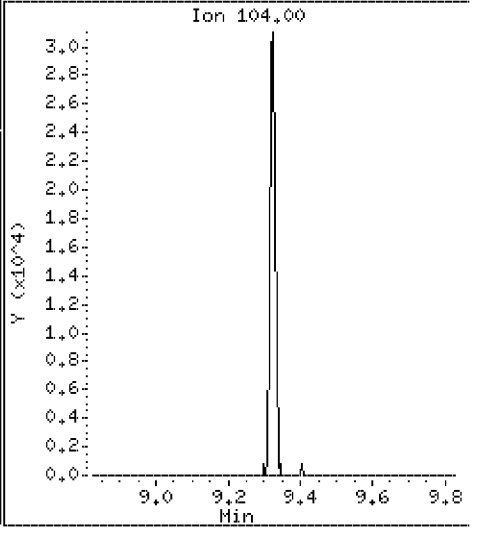


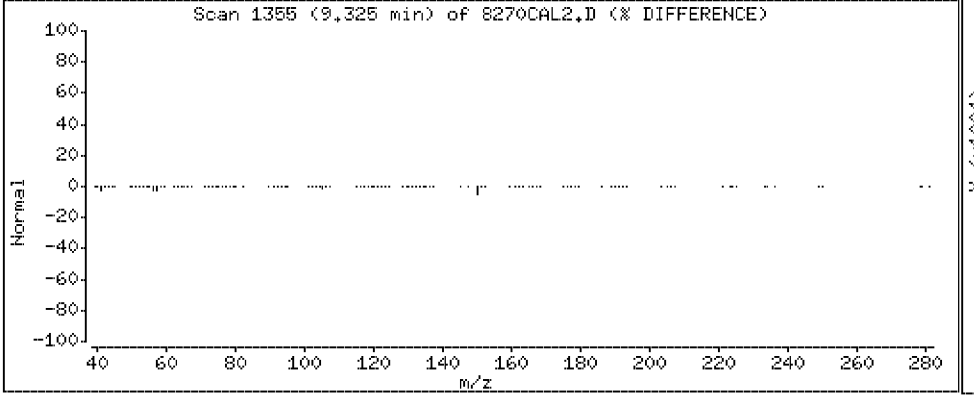












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

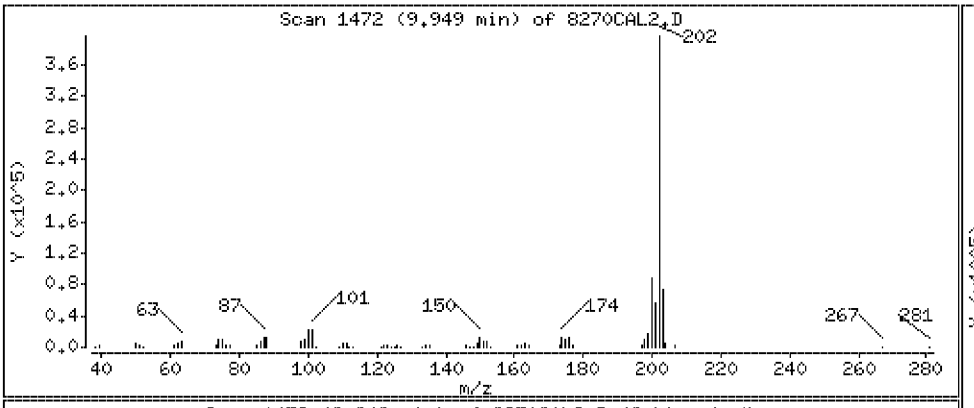
Operator: PEL

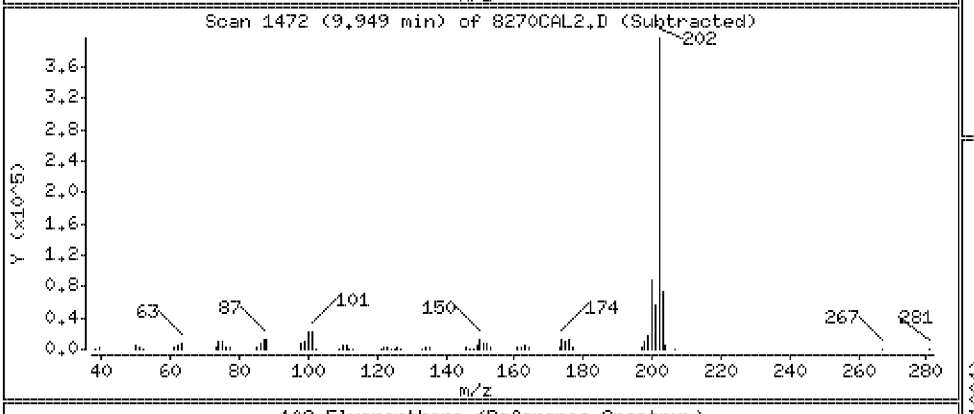
Column phase: HPMS-5

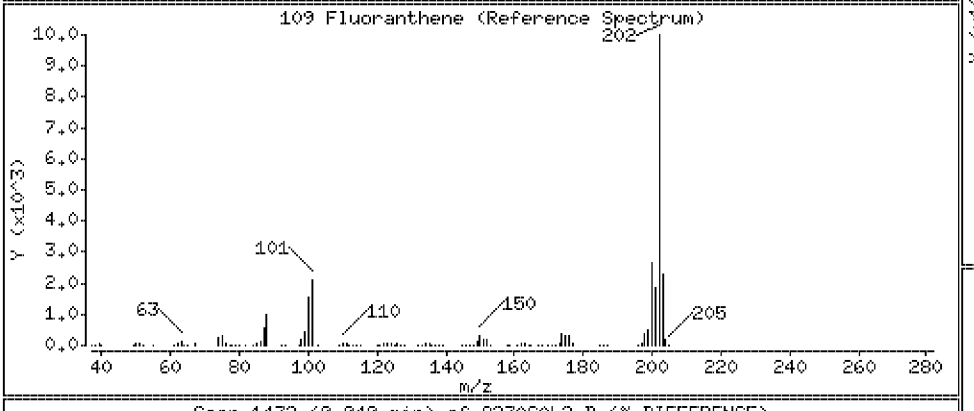
Column diameter: 0.25

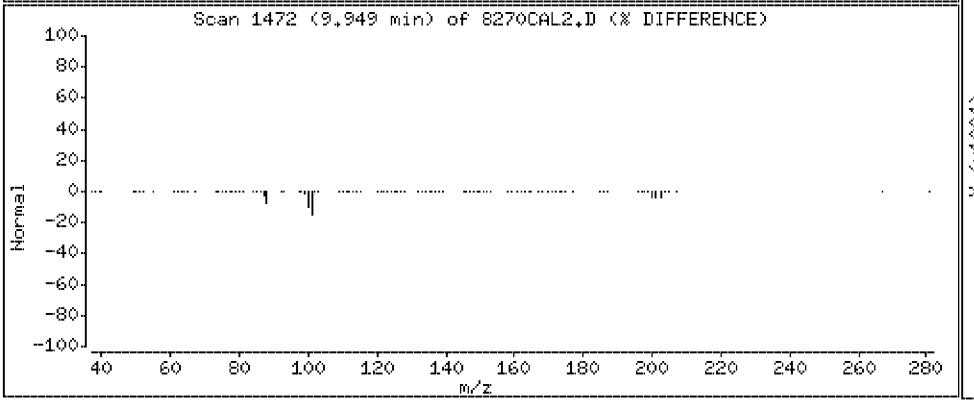
109 Fluoranthene

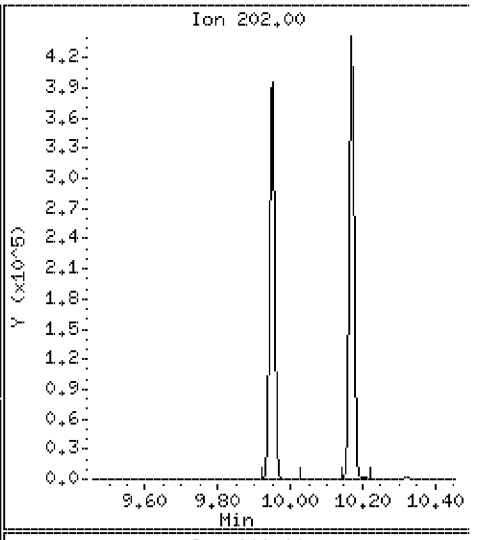
Concentration: 9.8 ug/l

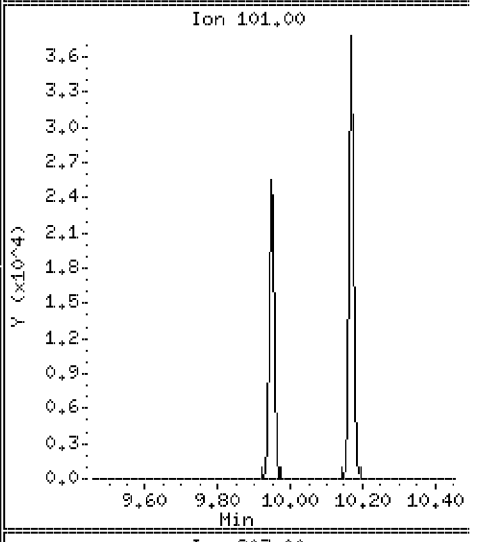


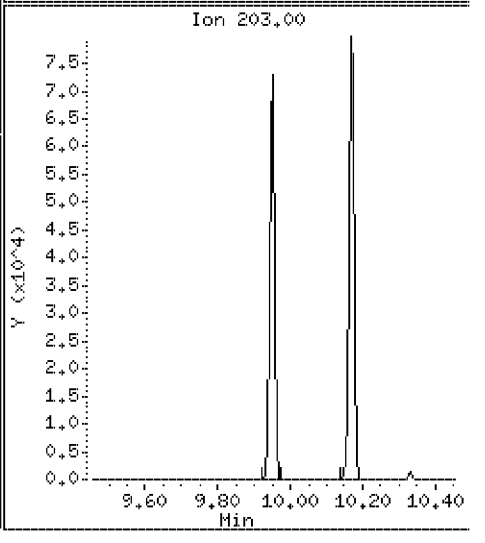












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

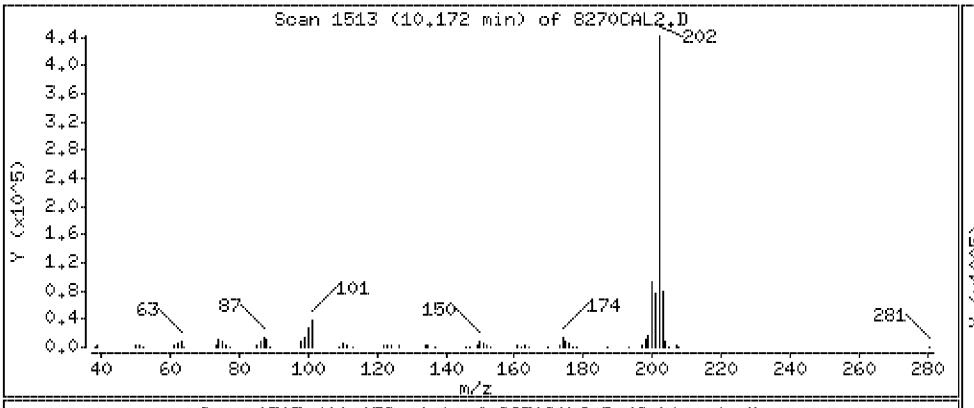
Operator: PEL

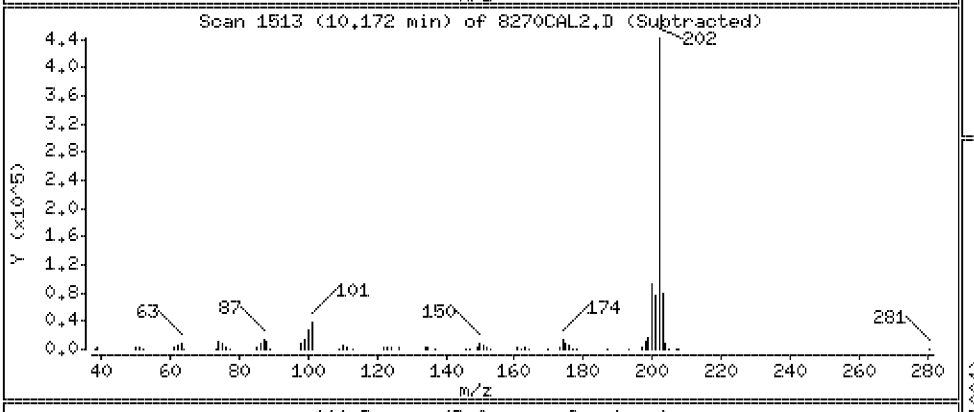
Column phase: HPMS-5

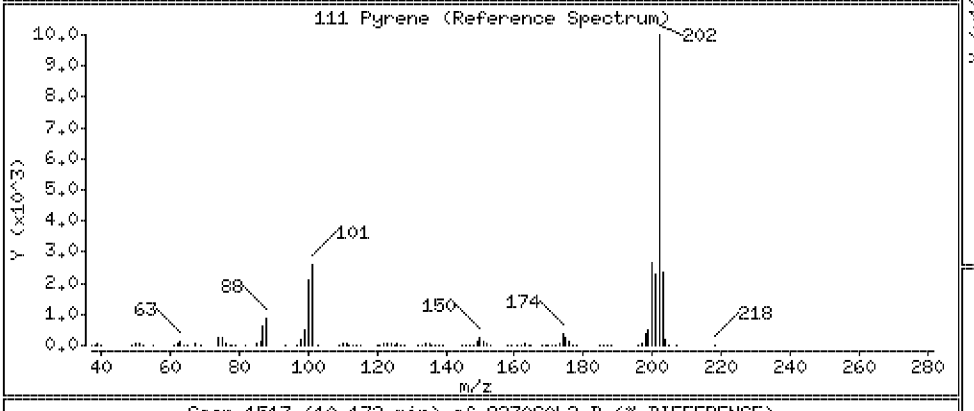
Column diameter: 0.25

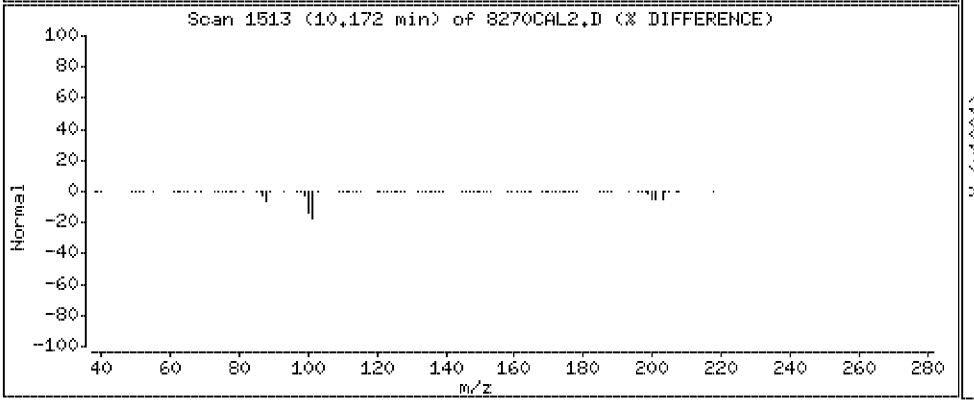
111 Pyrene

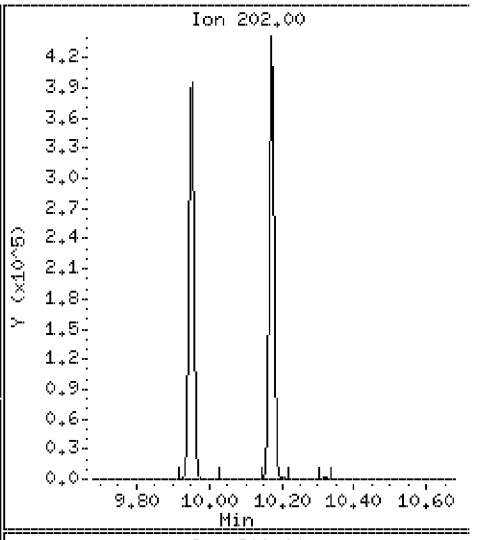
Concentration: 11.1 ug/l

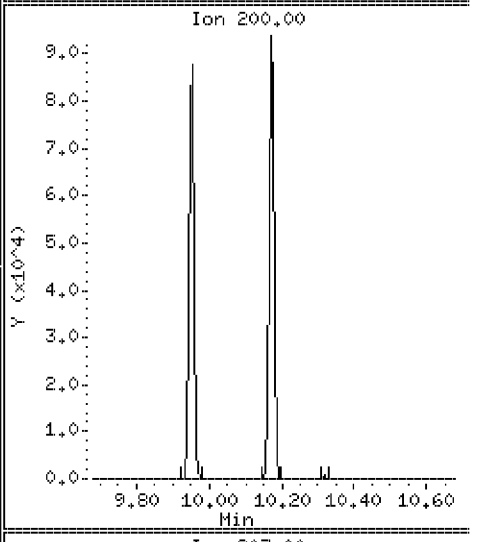


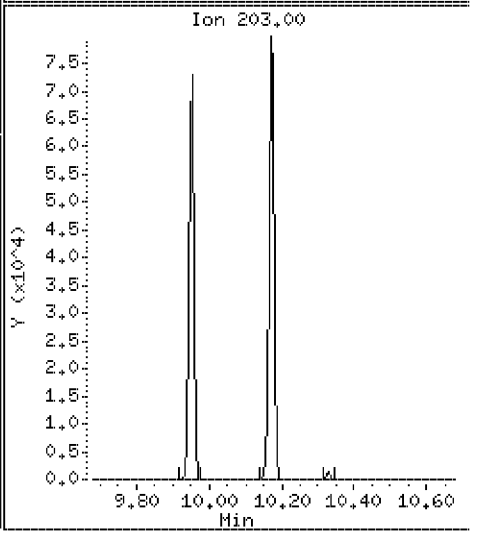












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

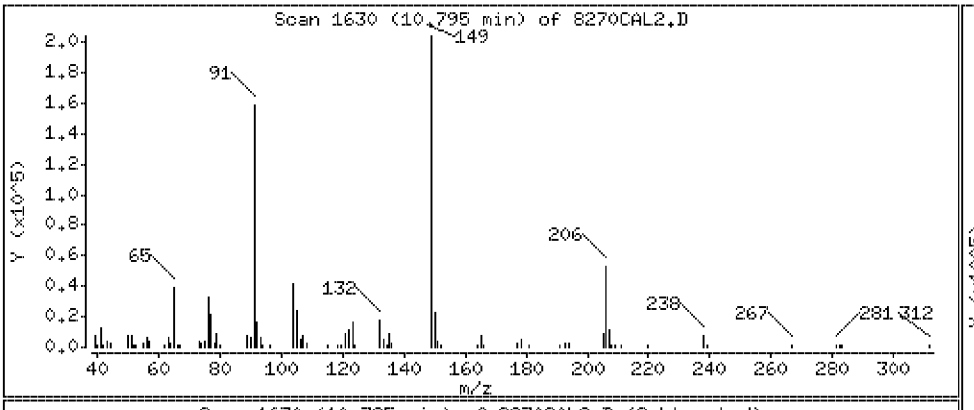
Operator: PEL

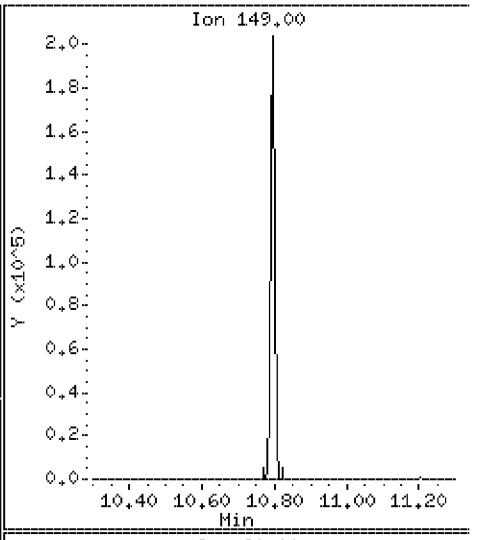
Column phase: HPMS-5

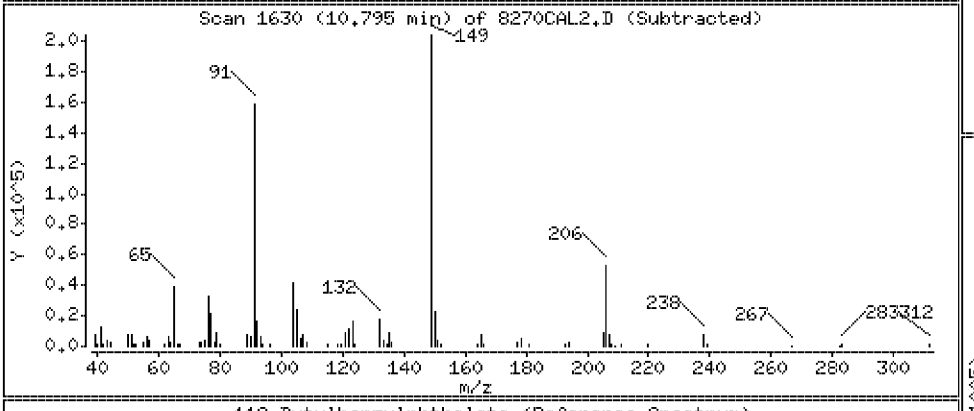
Column diameter: 0.25

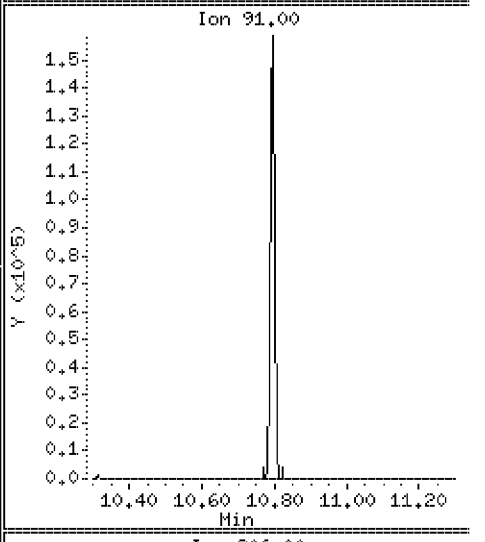
118 Butylbenzylphthalate

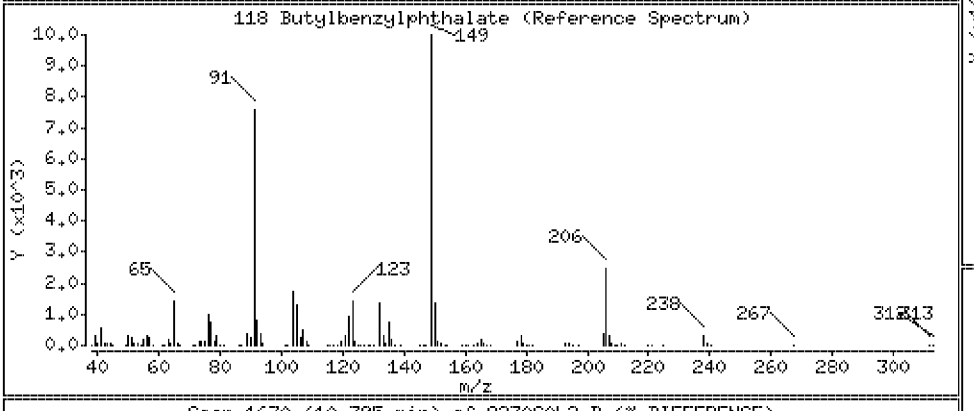
Concentration: 10.0 ug/l

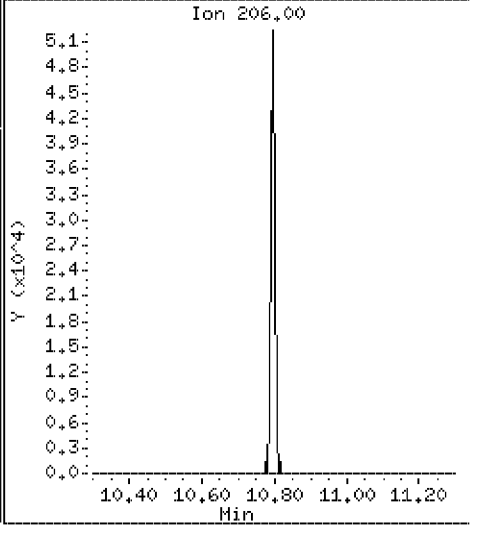


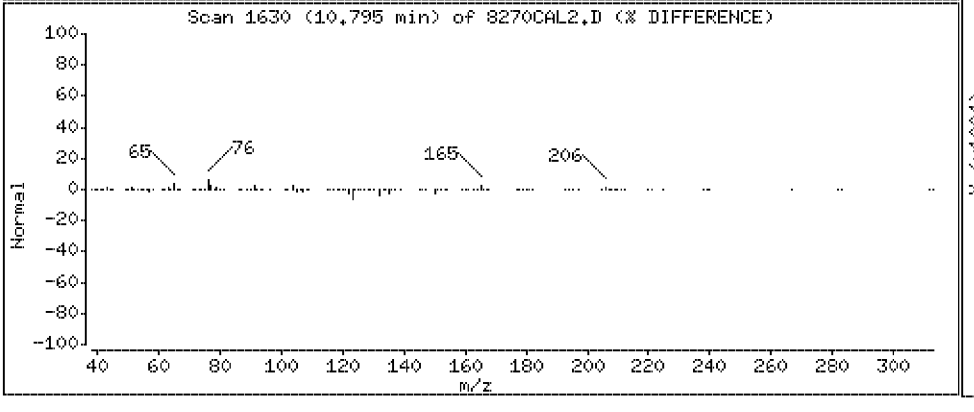












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

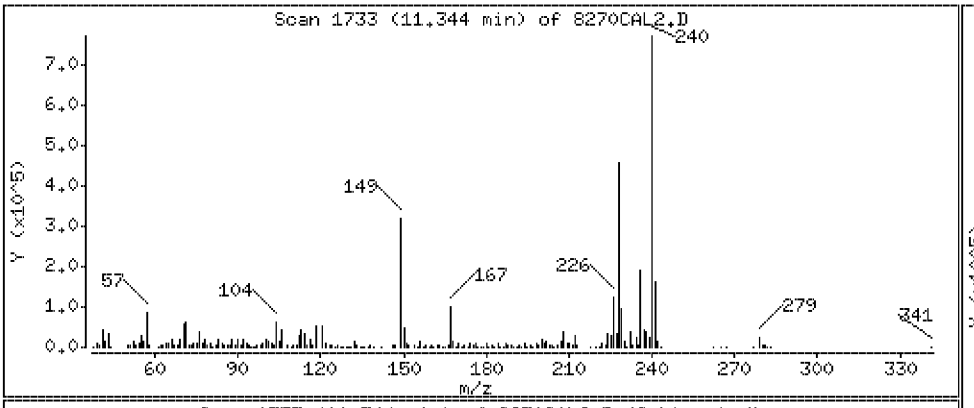
Operator: PEL

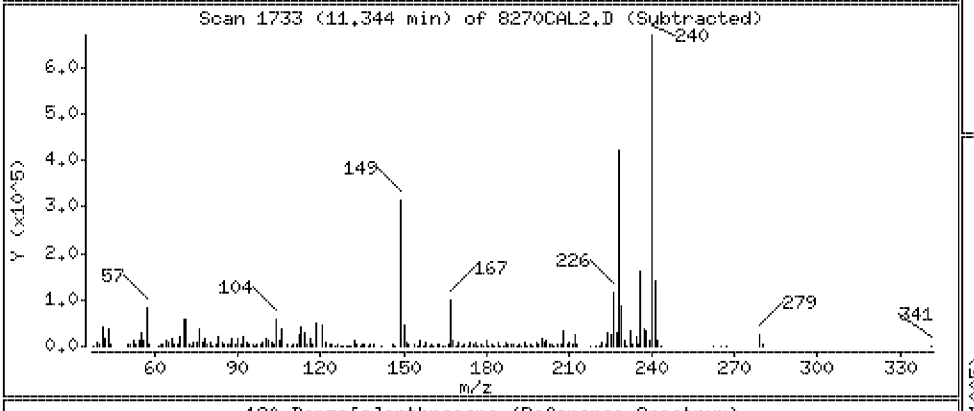
Column phase: HPMS-5

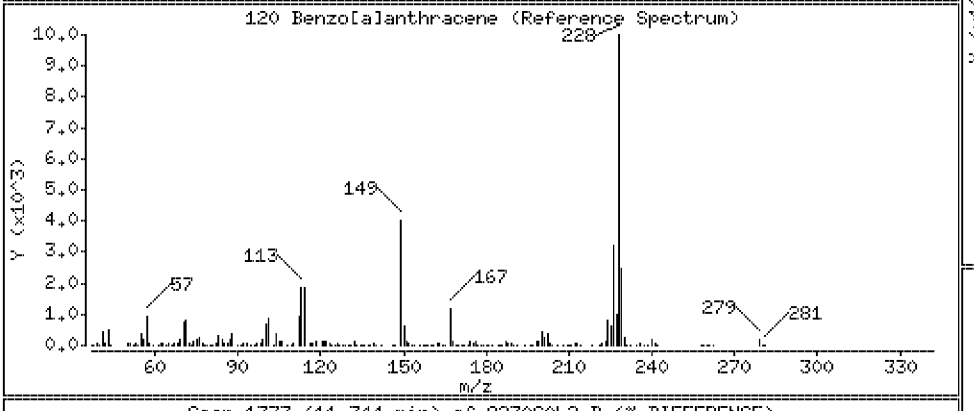
Column diameter: 0.25

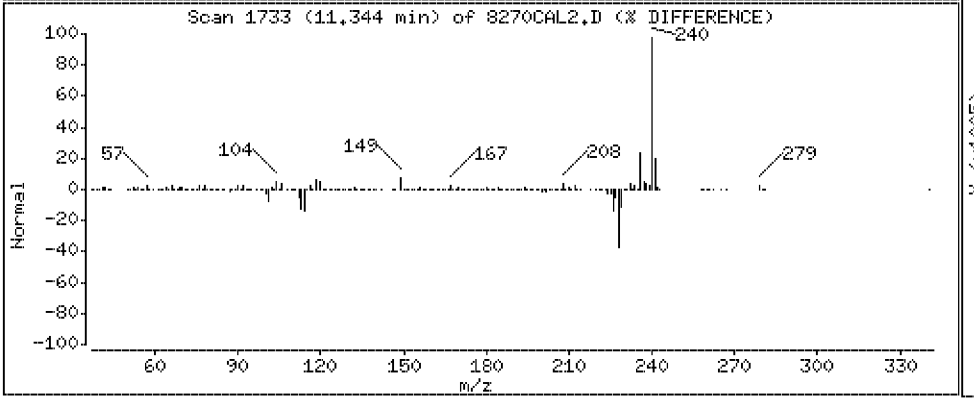
120 Benzo[a]anthracene

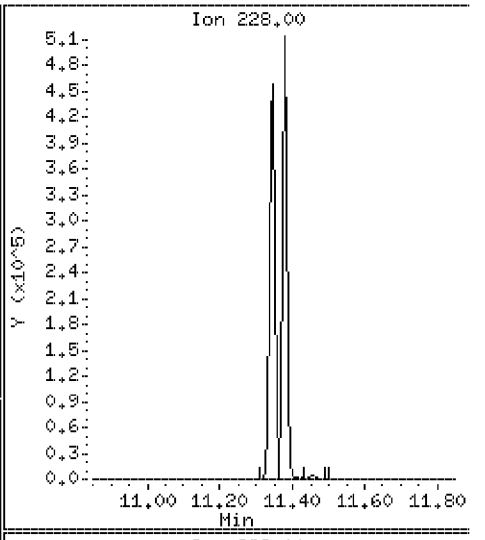
Concentration: 10.3 ug/l

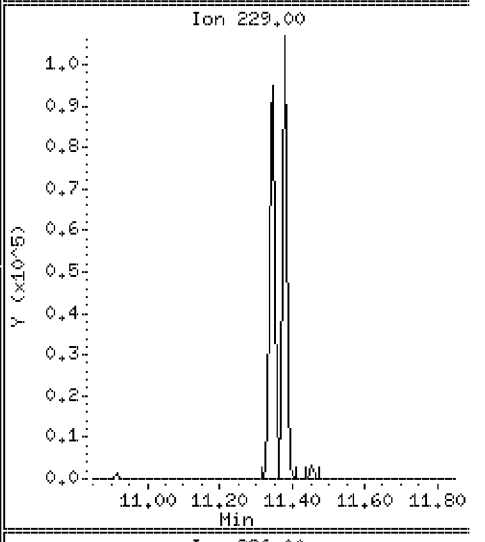


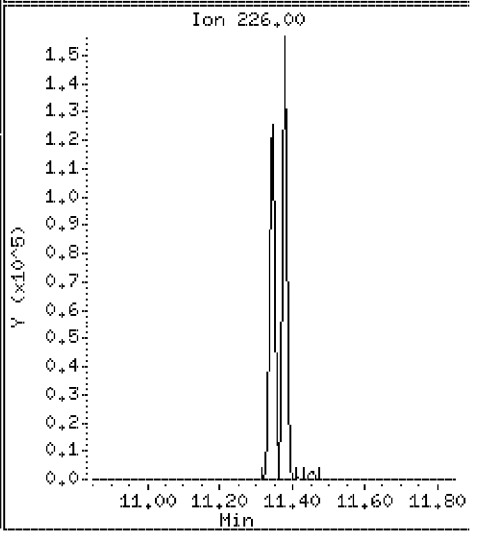












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

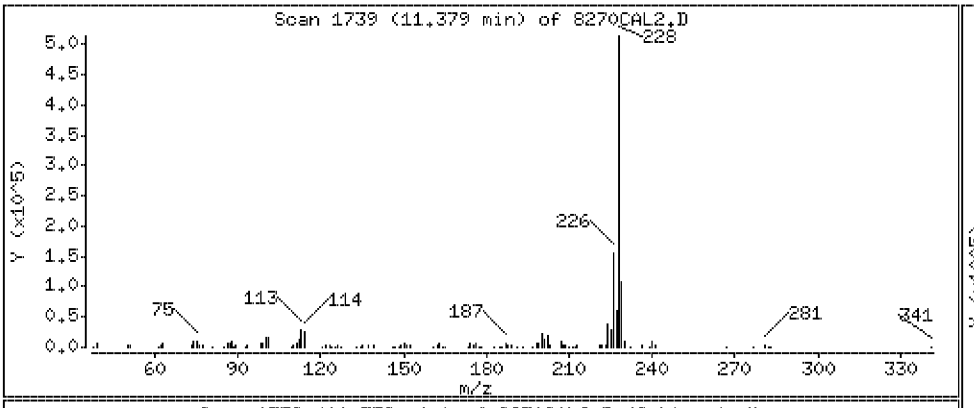
Operator: PEL

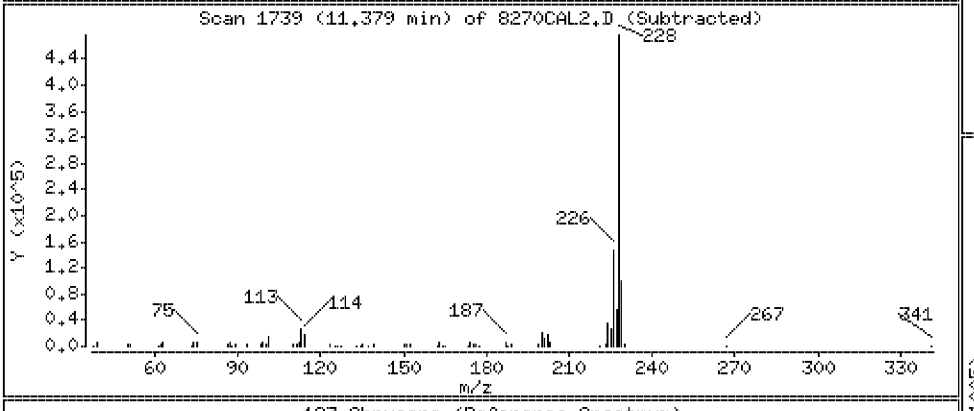
Column phase: HPMS-5

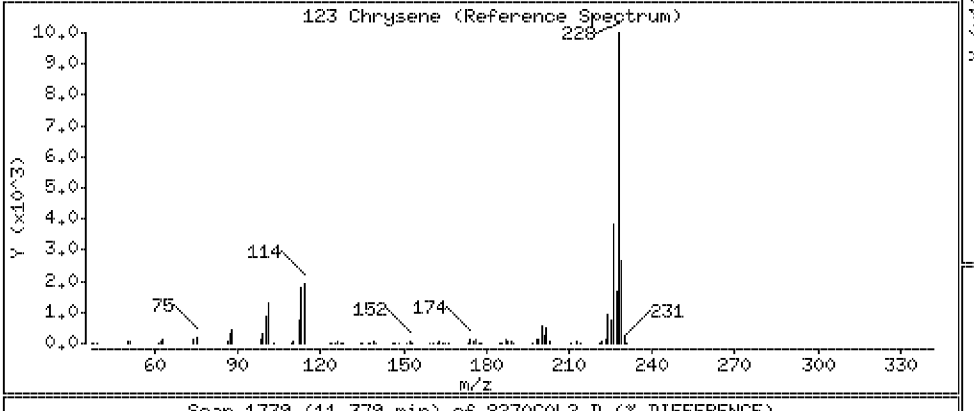
Column diameter: 0.25

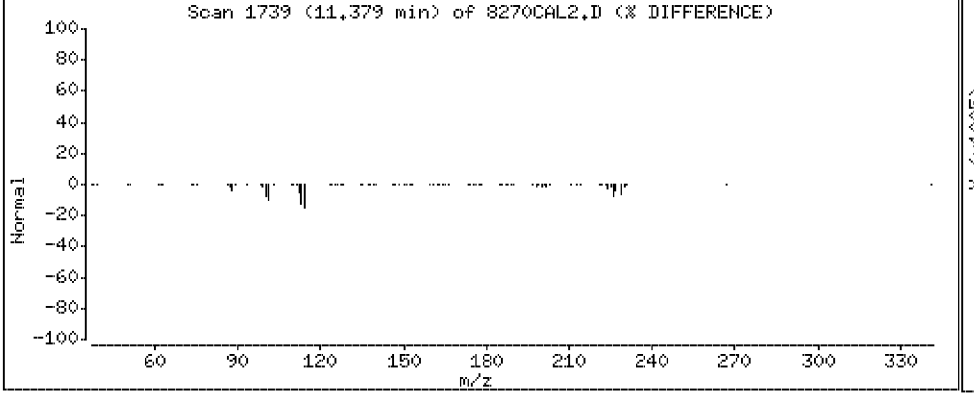
123 Chrysene

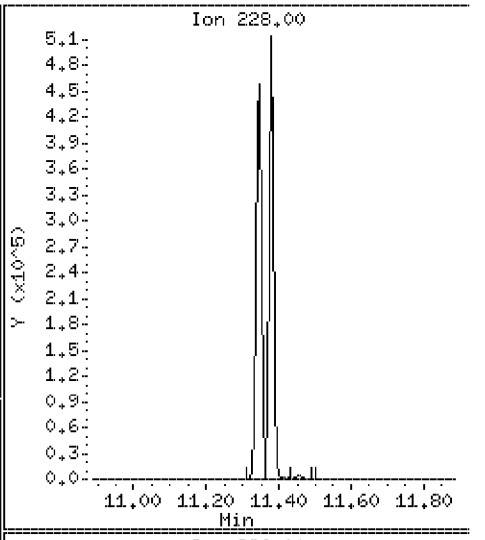
Concentration: 10.9 ug/l

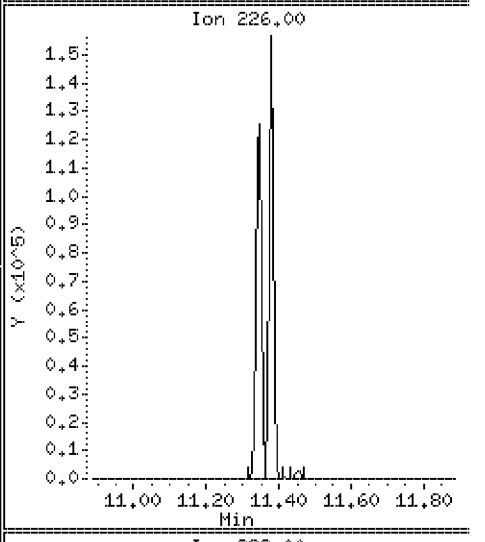


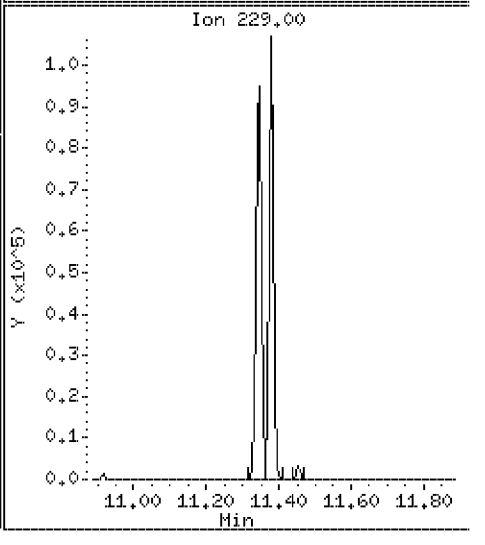












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

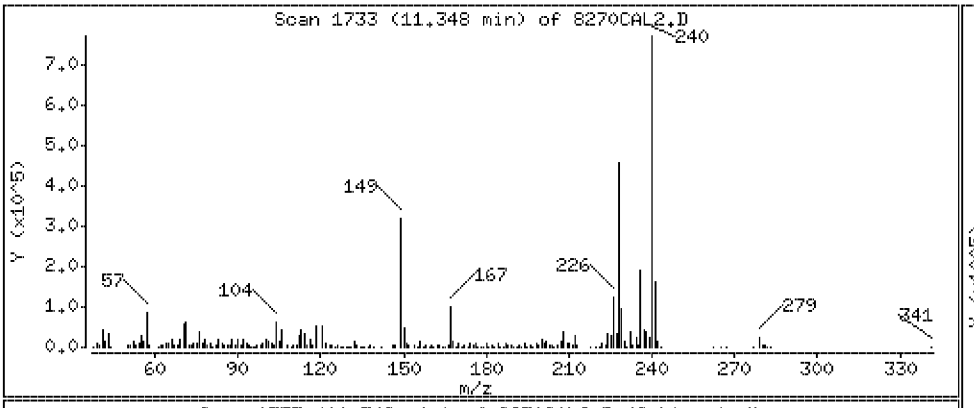
Operator: PEL

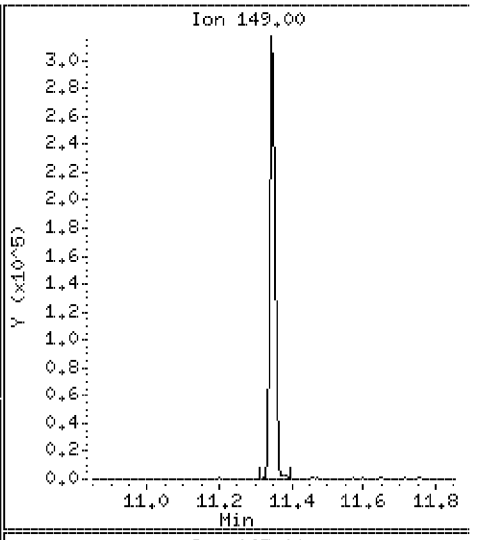
Column phase: HPMS-5

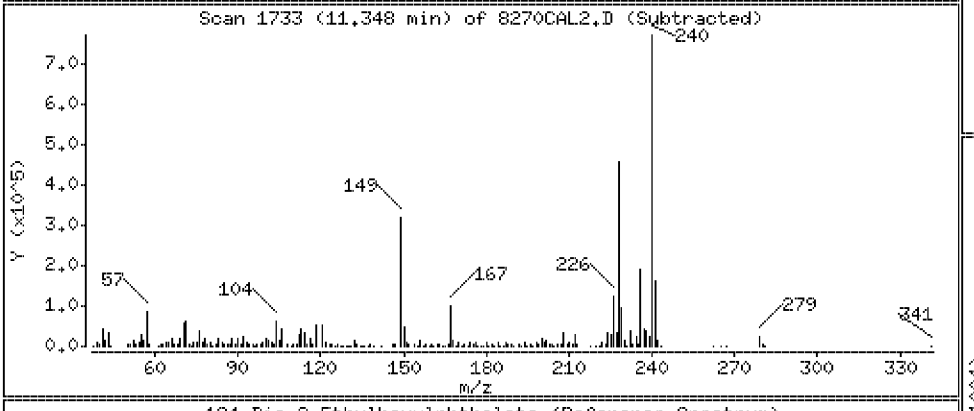
Column diameter: 0.25

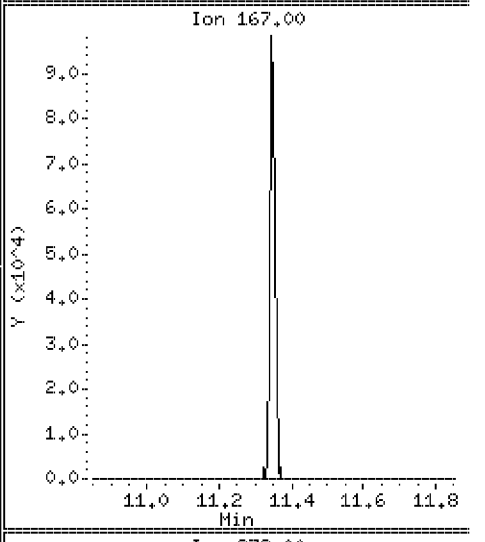
124 Bis-2-Ethylhexylphthalate

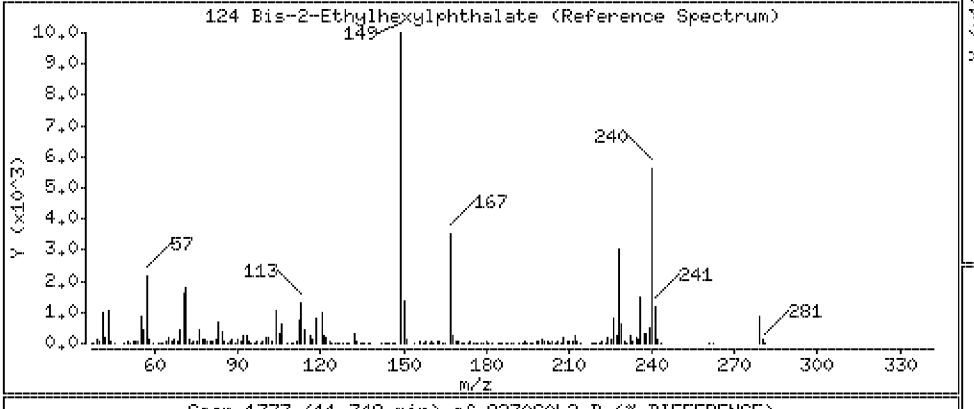
Concentration: 9.6 ug/l

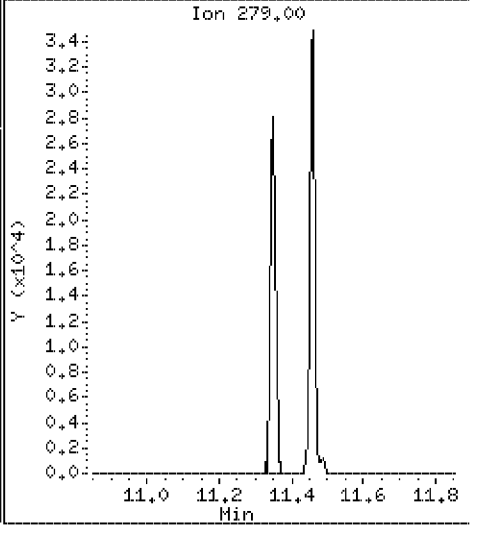


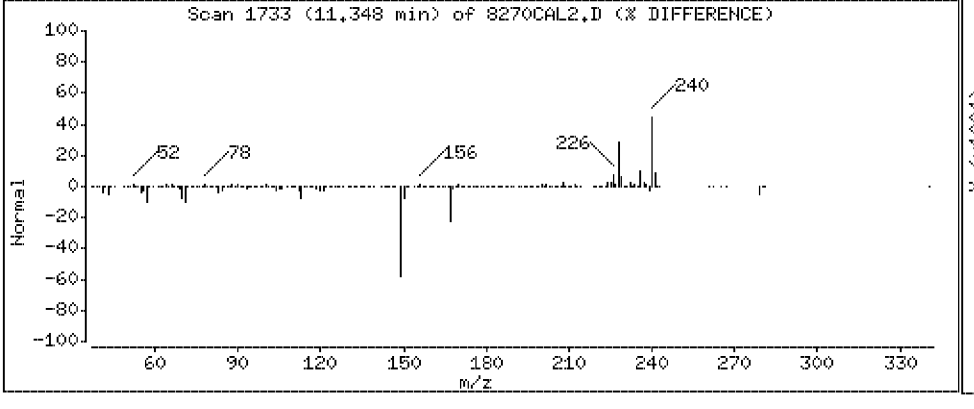












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

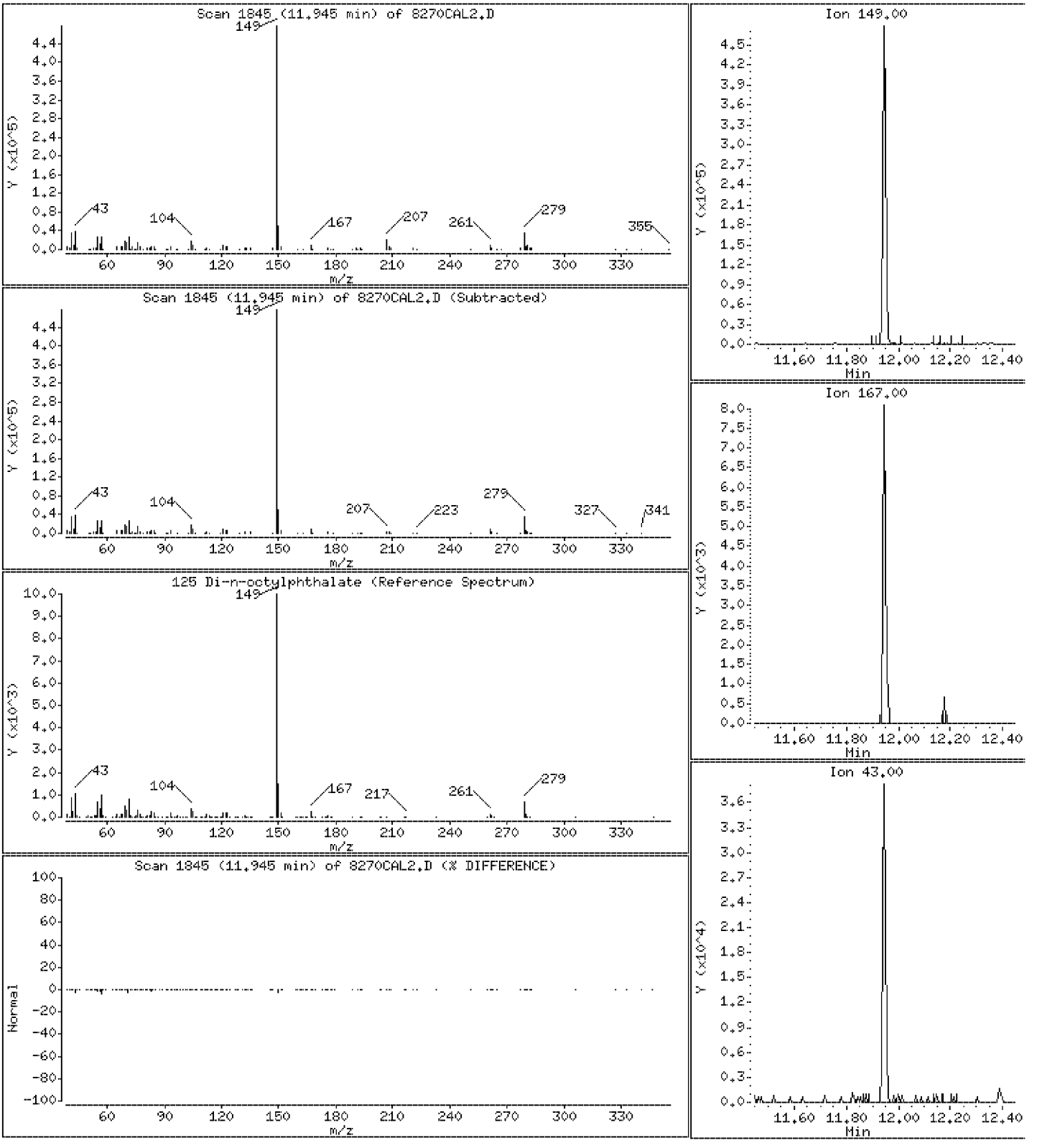
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

125 Di-n-octylphthalate

Concentration: 9.5 ug/l



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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

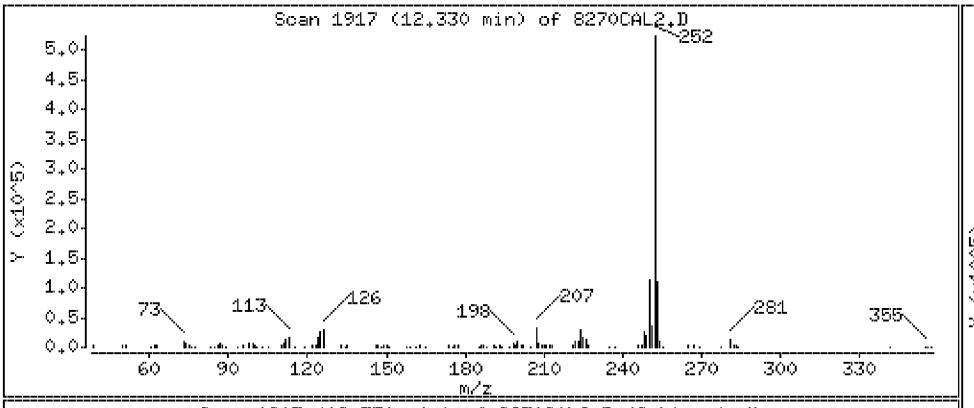
Operator: PEL

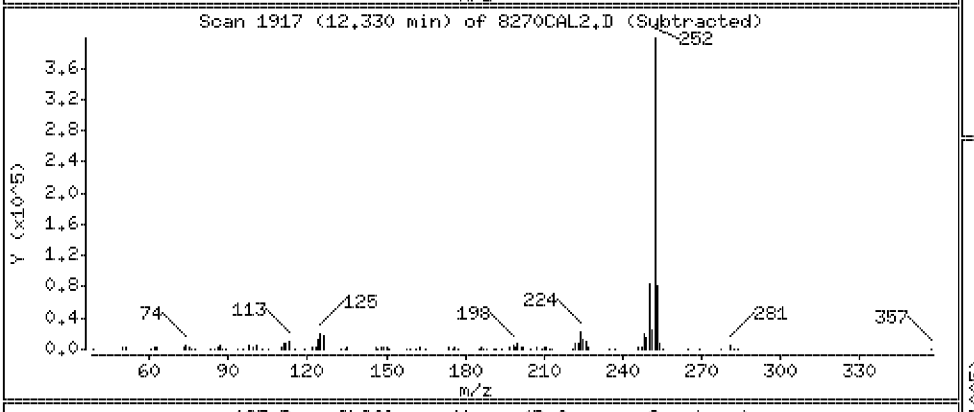
Column phase: HPMS-5

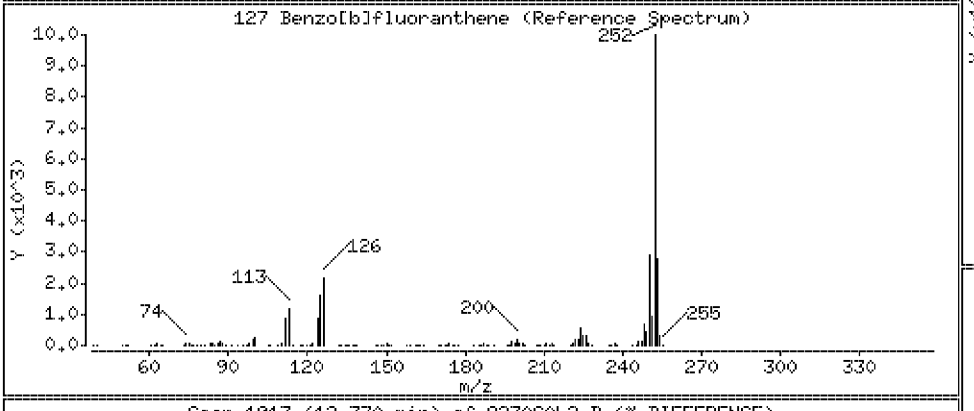
Column diameter: 0.25

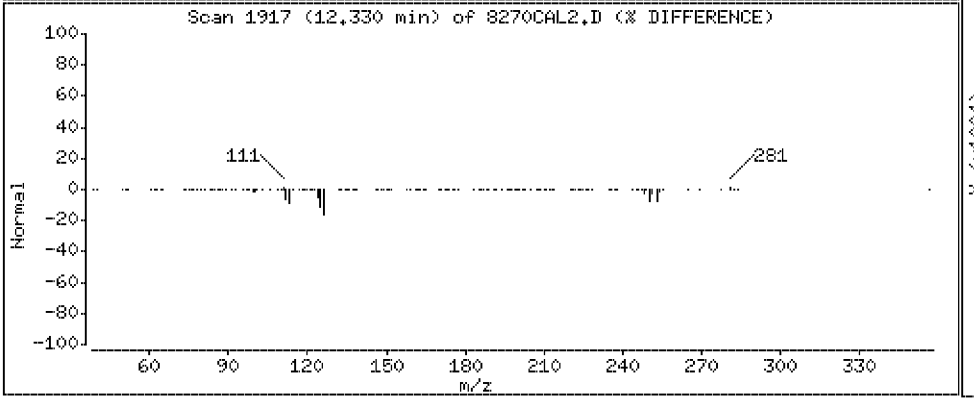
127 Benzo[b]fluoranthene

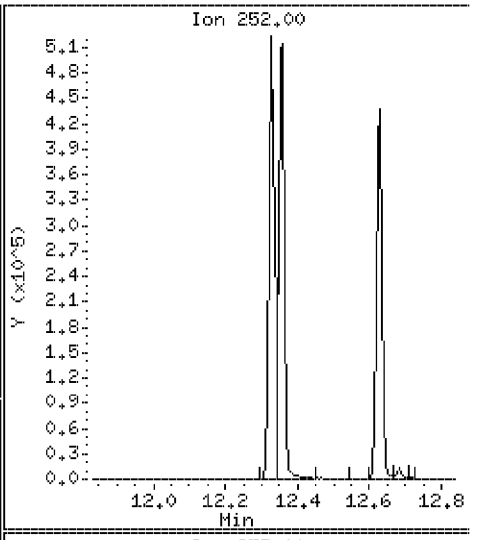
Concentration: 10.2 ug/l

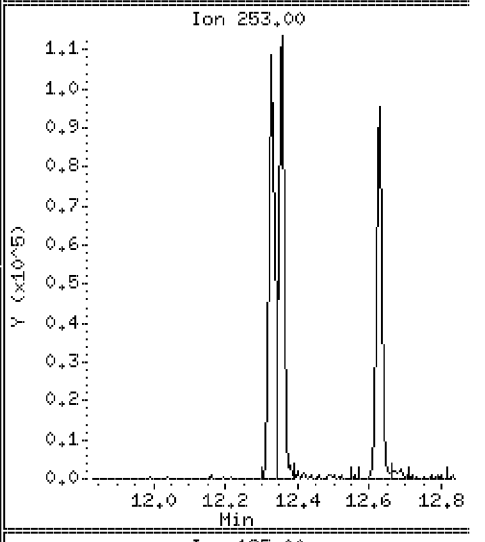


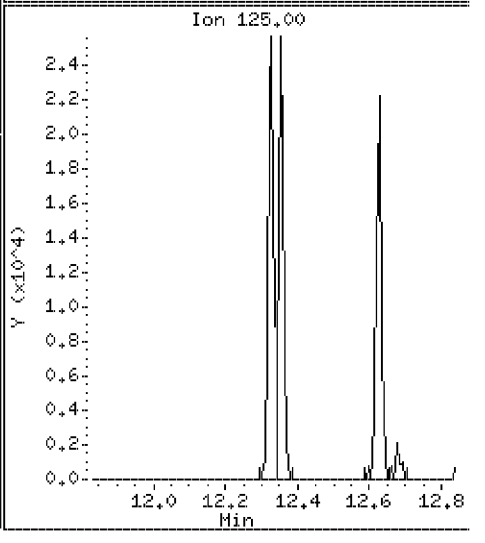












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

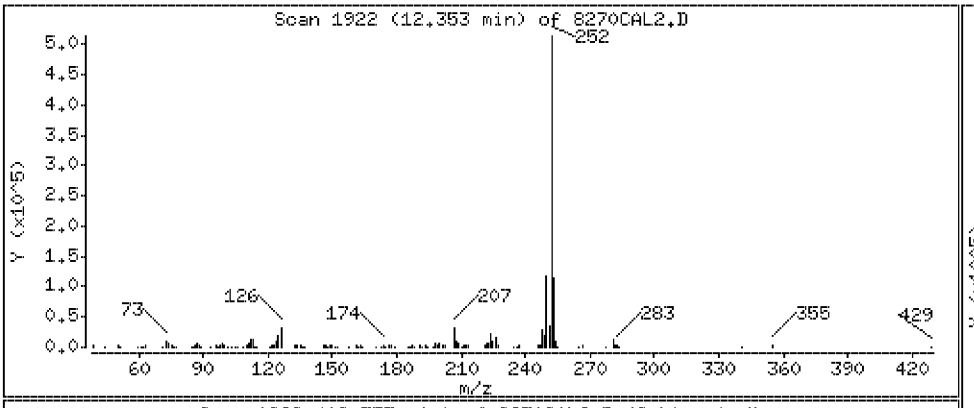
Operator: PEL

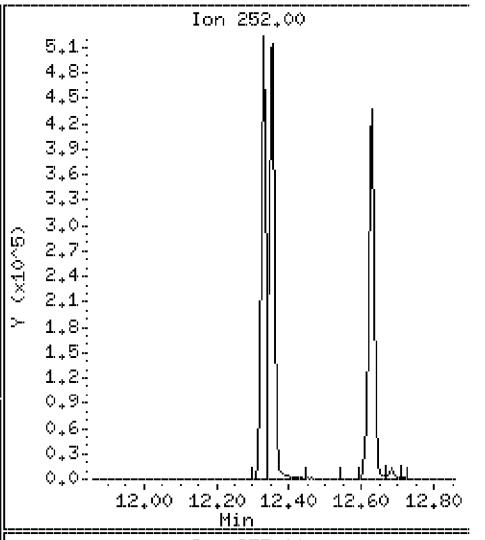
Column phase: HPMS-5

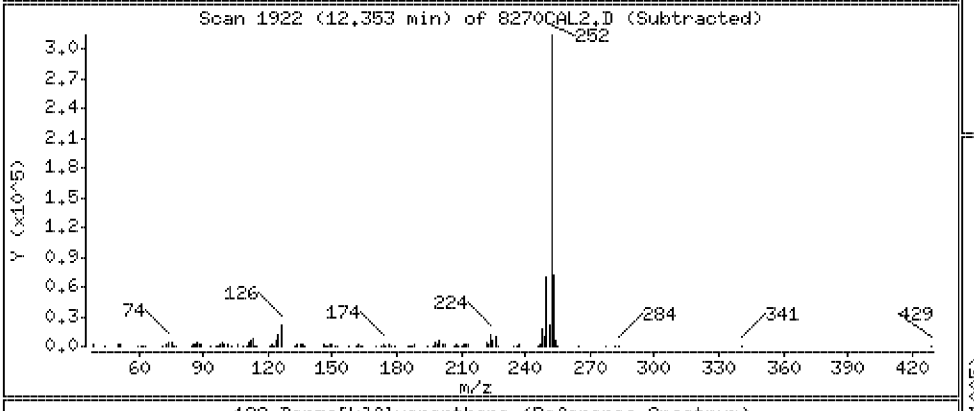
Column diameter: 0.25

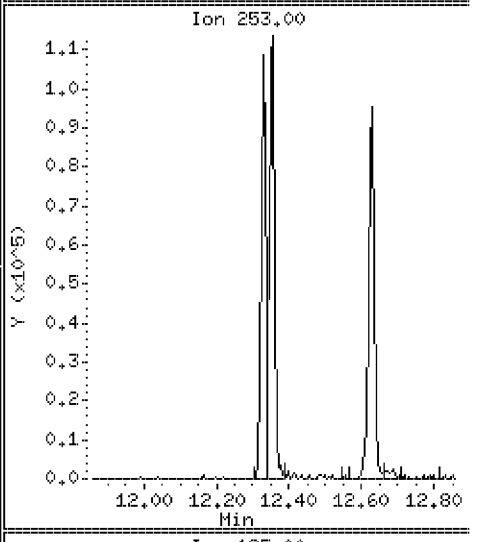
128 Benzo[k]fluoranthene

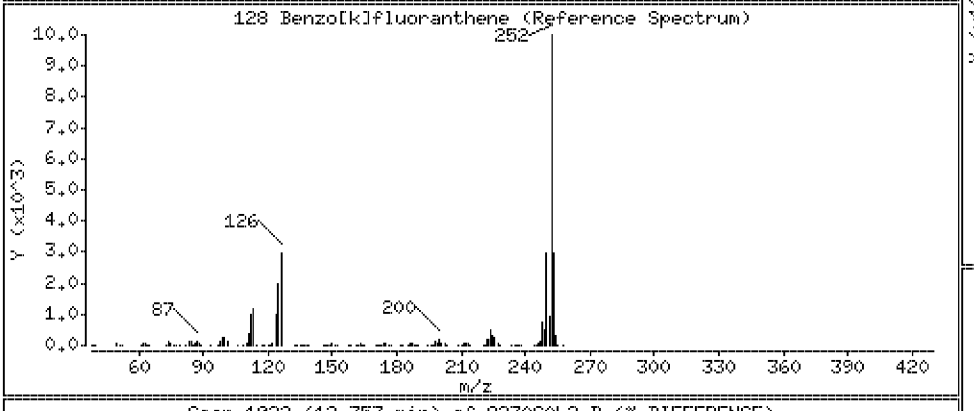
Concentration: 10 ug/l

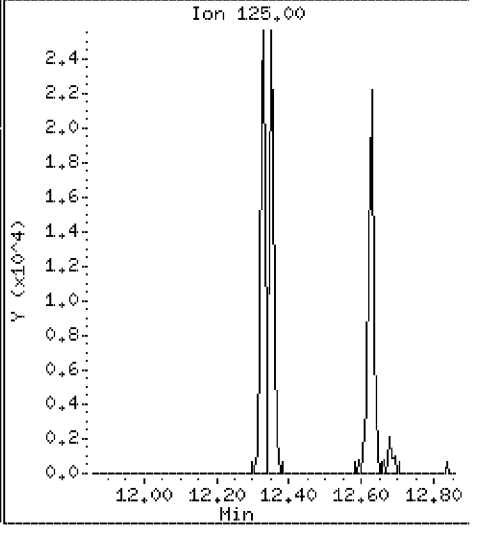


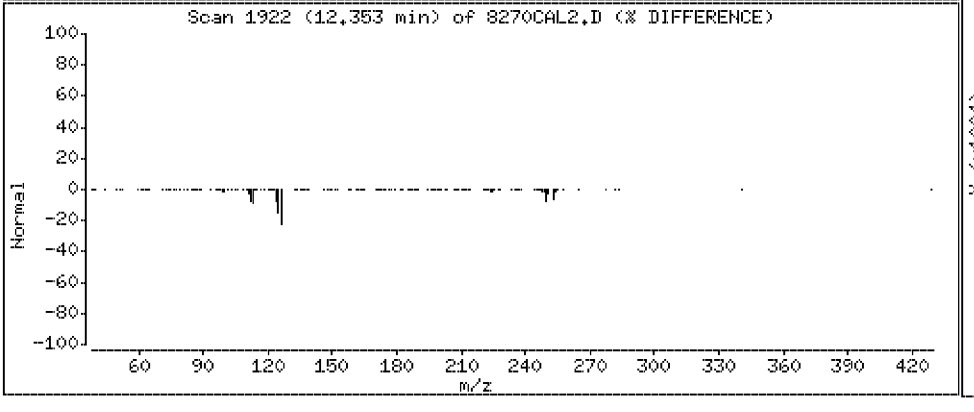












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

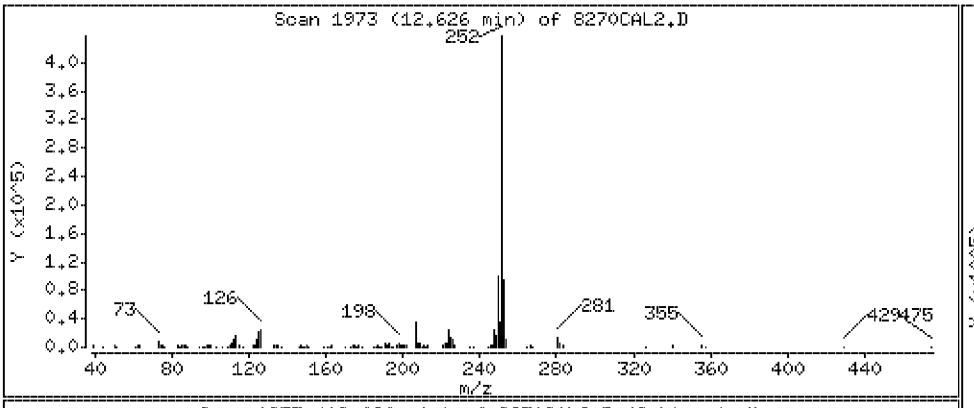
Operator: PEL

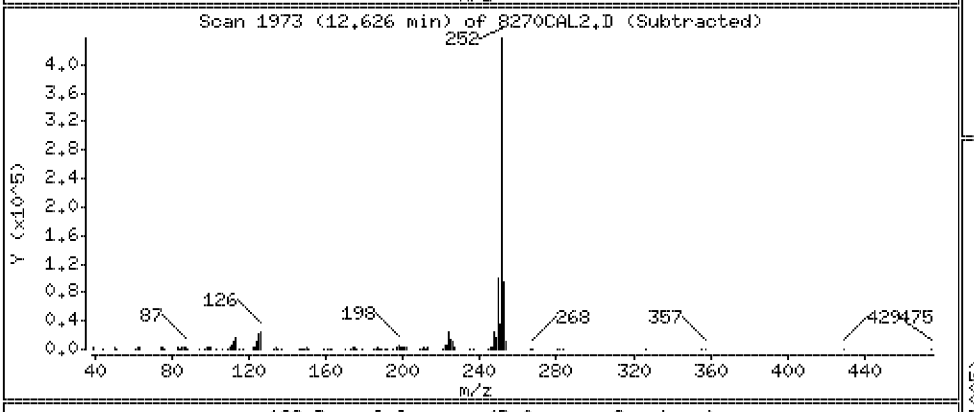
Column phase: HPMS-5

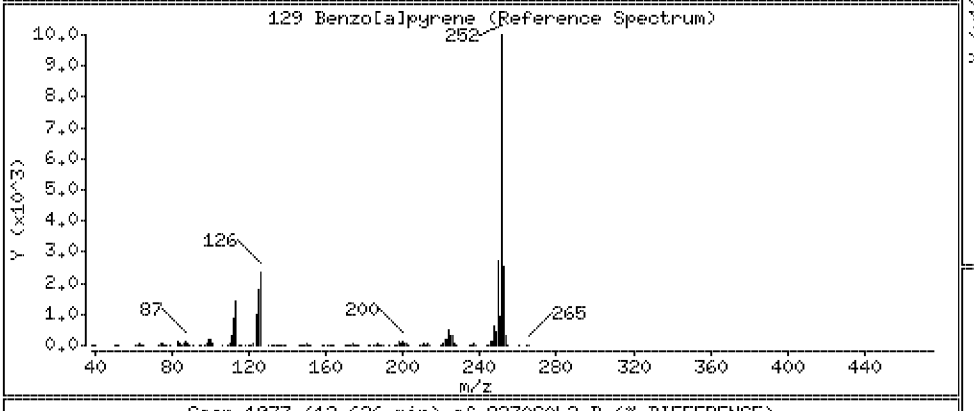
Column diameter: 0.25

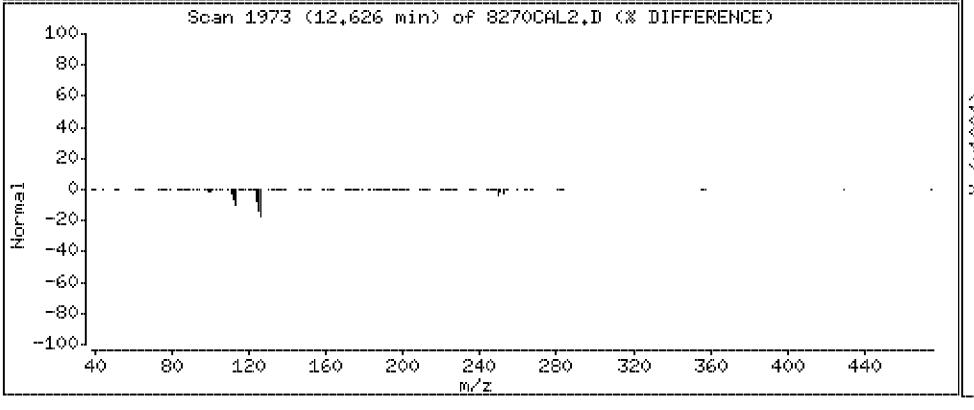
129 Benzo[a]pyrene

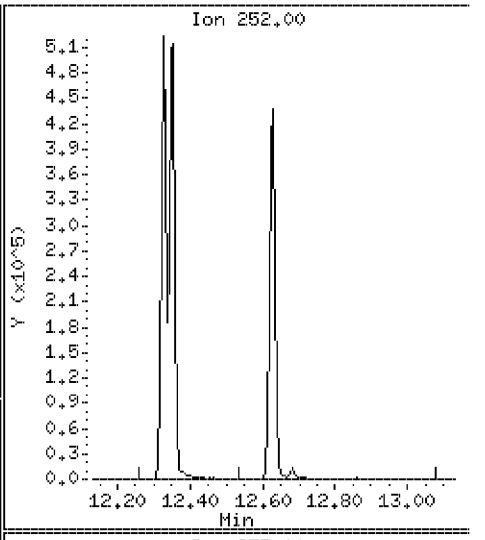
Concentration: 10.1 ug/l

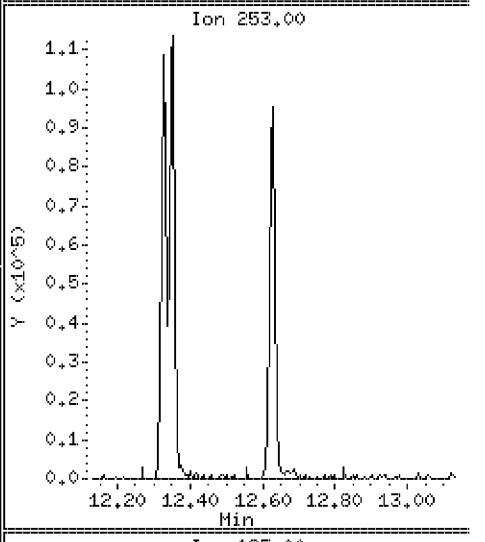


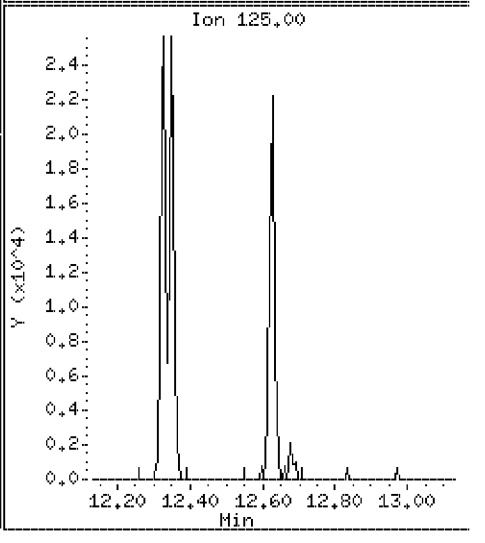












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

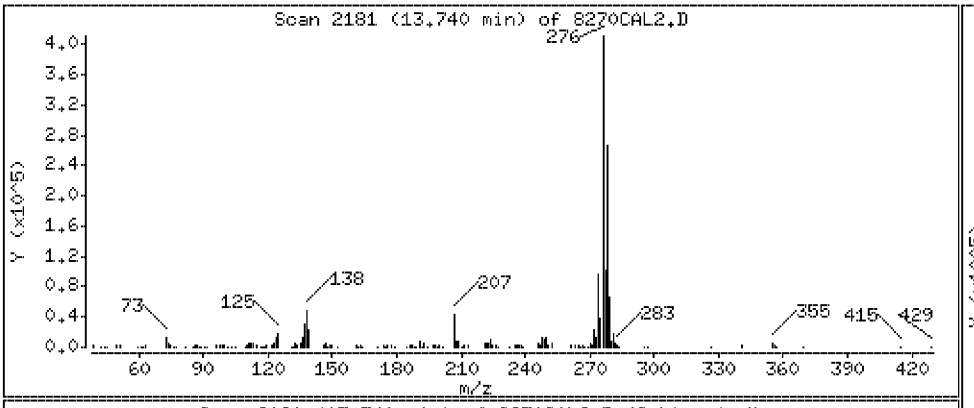
Operator: PEL

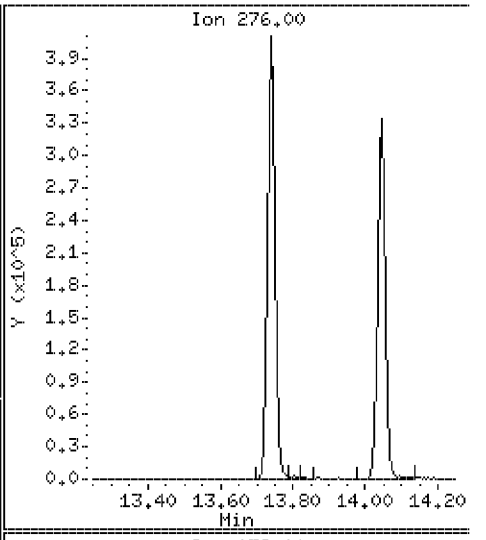
Column phase: HPMS-5

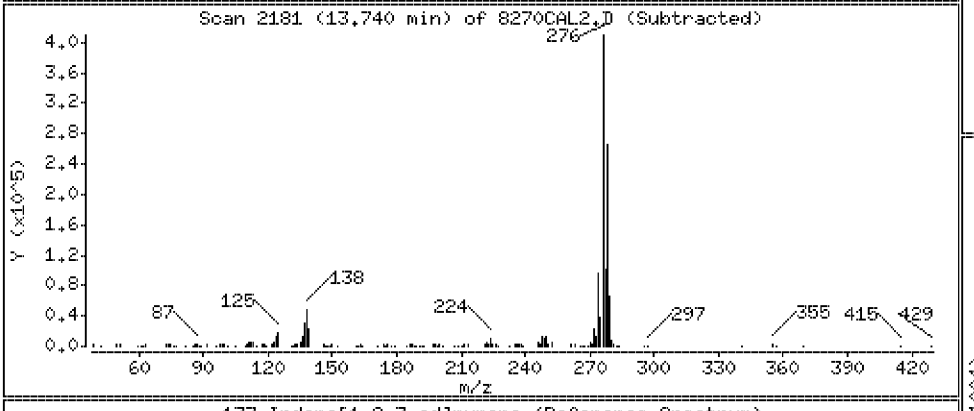
Column diameter: 0.25

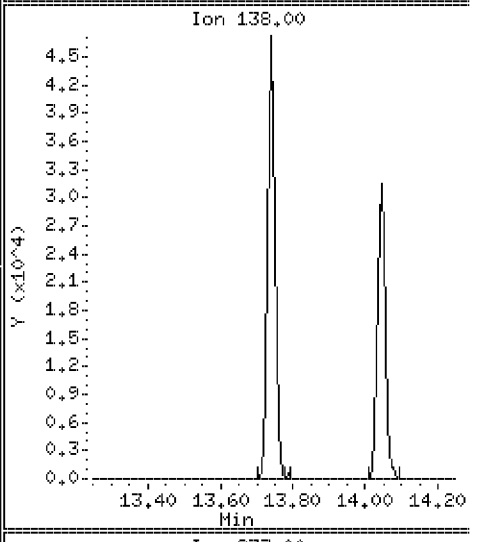
133 Indeno[1,2,3-cd]pyrene

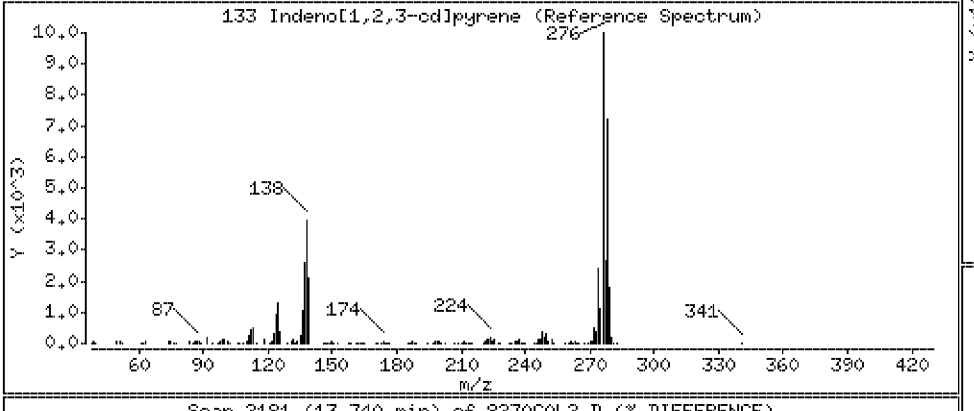
Concentration: 9.7 ug/l

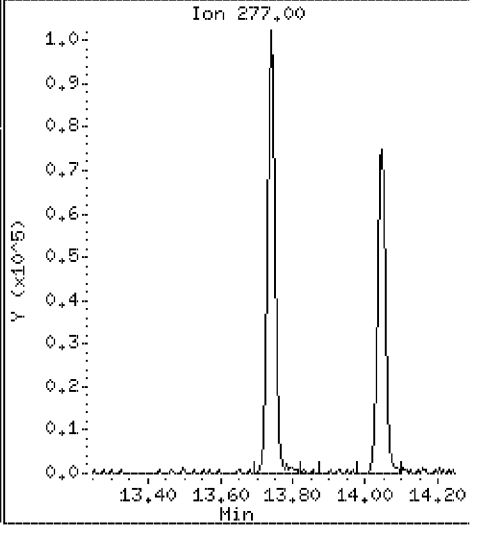


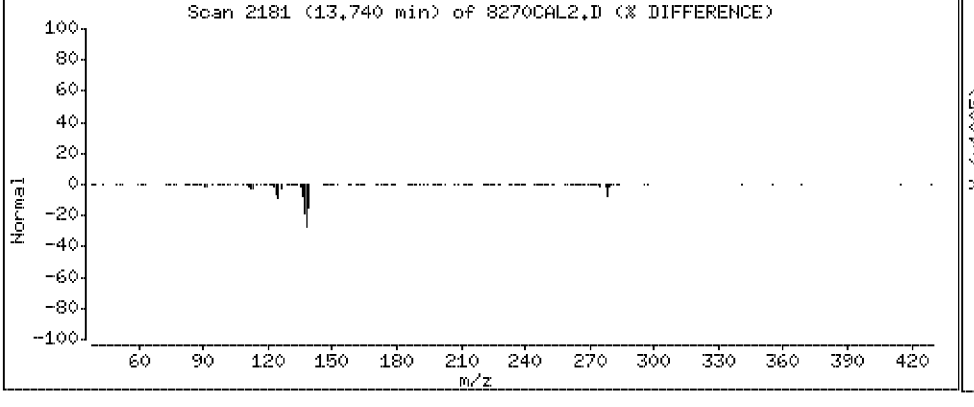












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL2.D

Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

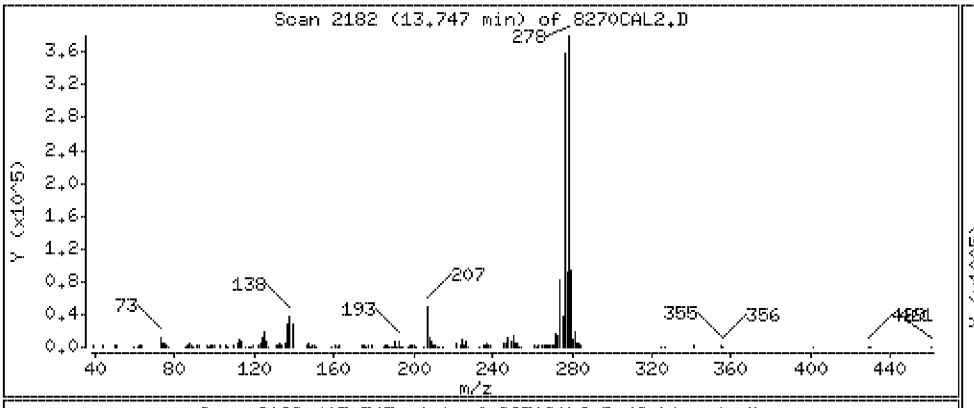
Operator: PEL

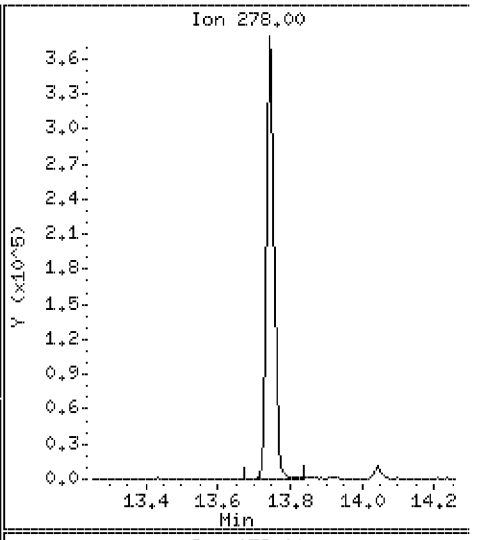
Column phase: HPMS-5

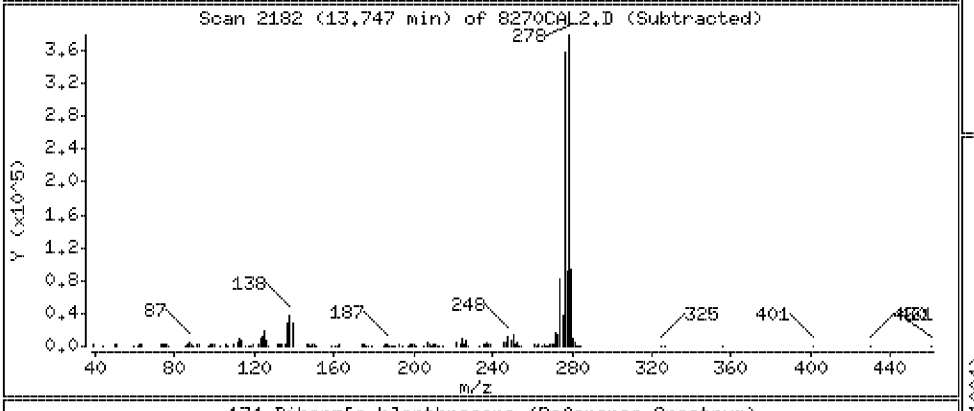
Column diameter: 0.25

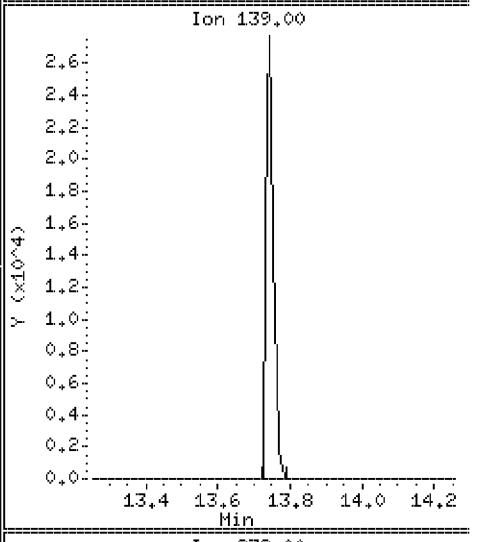
134 Dibenz[a,h]anthracene

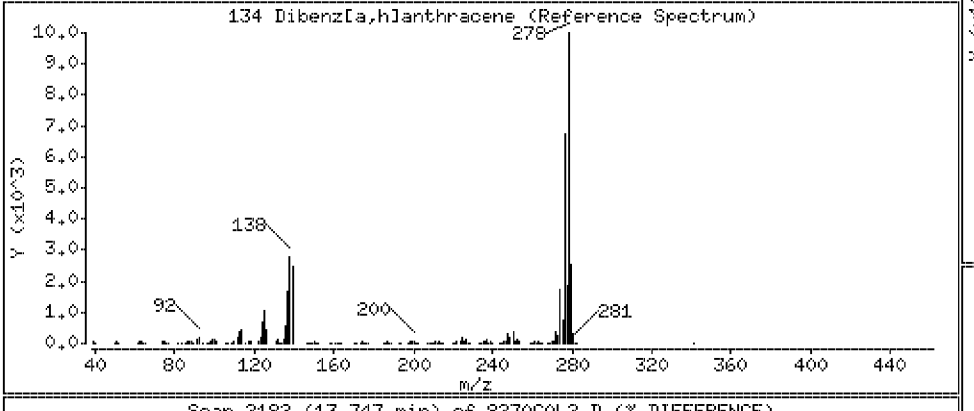
Concentration: 9.6 ug/l

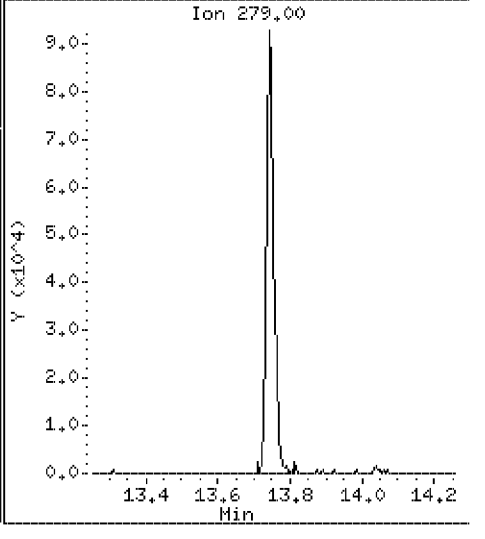


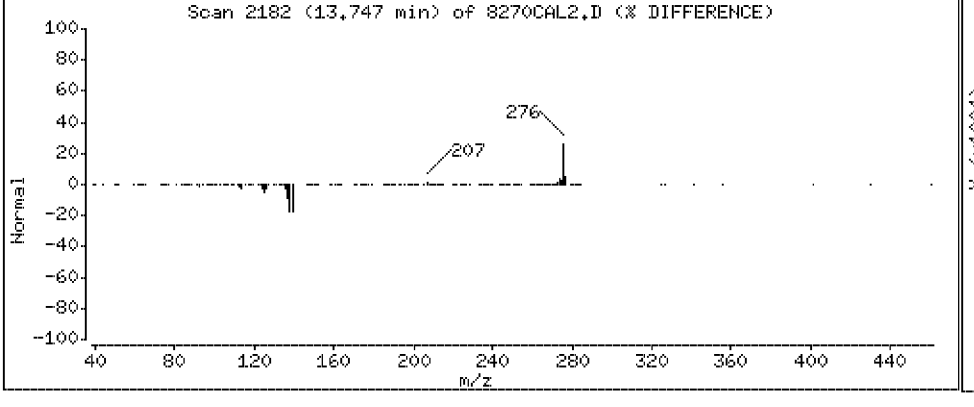












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Date : 23-APR-2012 12:21

Client ID: 8270CAL2

Instrument: smsd03.i

Sample Info: 45926

Purge Volume: 1000.0

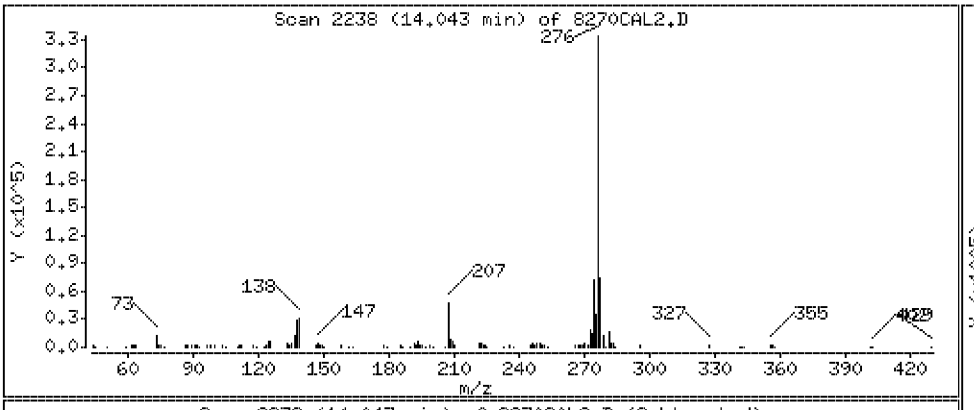
Operator: PEL

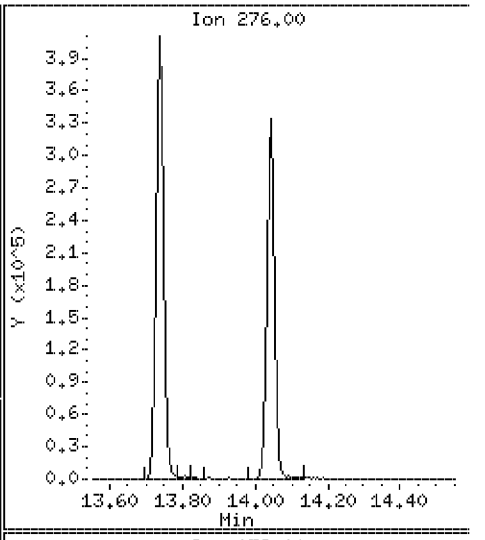
Column phase: HPMS-5

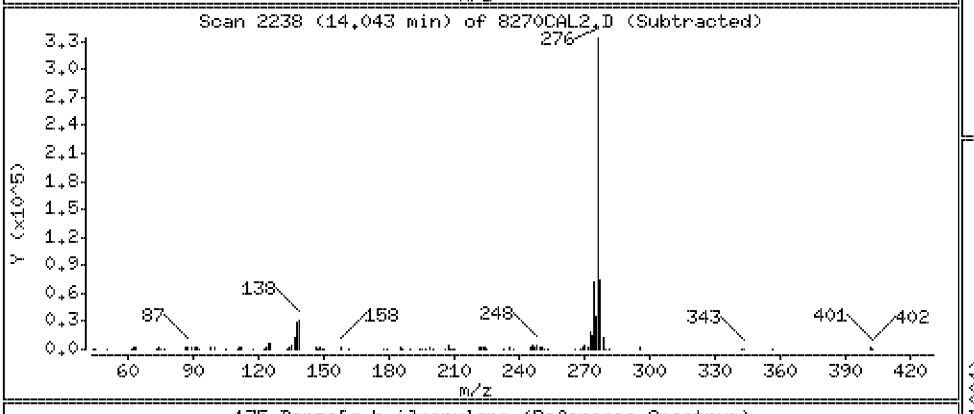
Column diameter: 0.25

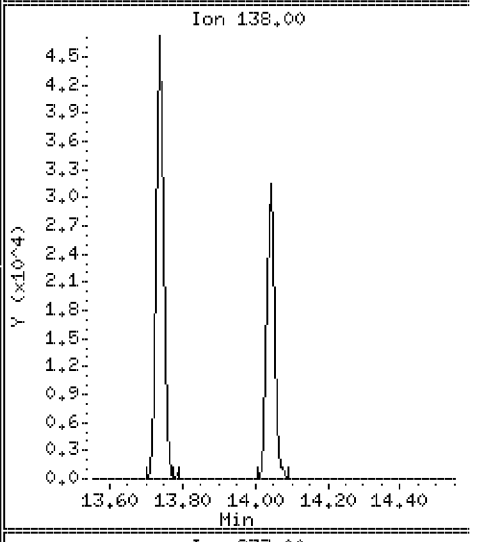
135 Benzo[g,h,i]perylene

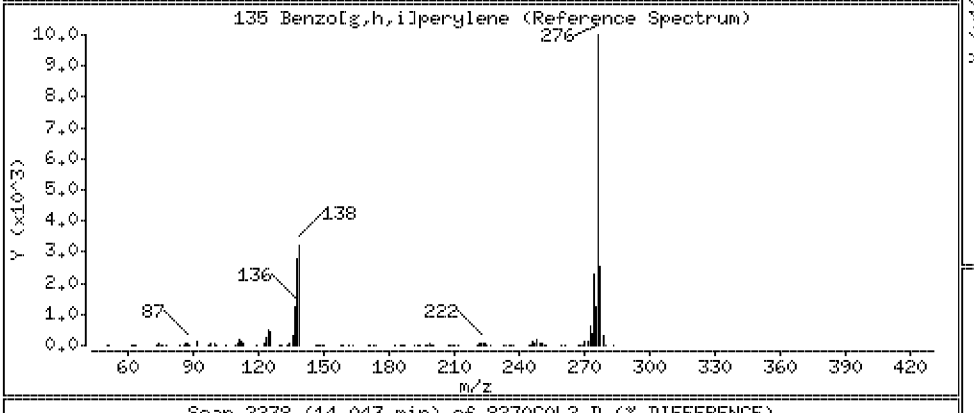
Concentration: 10.5 ug/l

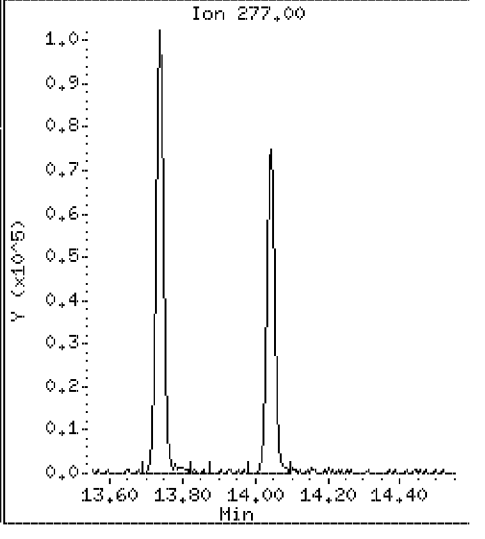


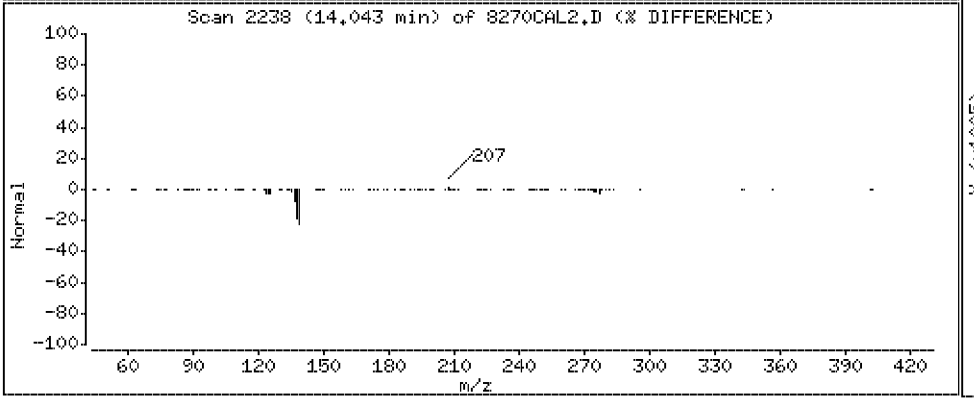












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D
Lab Smp Id: 45927 Client Smp ID: 8270CAL1
Inj Date : 23-APR-2012 12:45 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45927
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 12:21 Cal File: 8270CAL2.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.409	2.381	(0.542)	79	46601	4.00000	3.8	80.00- 120.00	100.00(M)
2.409	2.381	(0.542)	52	14527			7.01- 67.01	31.17
M 16 Cresols (Total)						CAS #: 1319-77-3		
				75383	8.00000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.344	2.338	(0.527)	42	22389	4.00000	4.0	80.00- 120.00	100.00
2.345	2.338	(0.527)	74	30442			112.35- 172.35	135.97
2.344	2.338	(0.527)	44	1714			0.00- 34.21	7.66
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.387	3.383	(0.762)	112	72303	8.00000	7.7	80.00- 120.00	100.00
3.387	3.383	(0.762)	64	44600			33.15- 93.15	61.68
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.140	4.139	(0.931)	99	95391	8.00000	7.6	80.00- 120.00	100.00
4.140	4.139	(0.931)	42	16997			0.00- 48.89	17.82
4.141	4.139	(0.931)	71	51489			23.76- 83.76	53.98
13 Phenol						CAS #: 108-95-2		
4.152	4.151	(0.934)	94	53142	4.00000	3.7	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.156	4.151	(0.935)	65	32071			31.39- 91.39	60.35
4.160	4.151	(0.936)	66	60721			81.48- 141.48	114.26
	10 Aniline					CAS #: 62-53-3		
4.165	4.166	(0.937)	93	56624	4.00000	3.7	80.00- 120.00	100.00
4.156	4.166	(0.935)	65	32071			26.91- 86.91	56.64
4.160	4.166	(0.936)	66	60723			73.34- 133.34	107.24
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.205	4.210	(0.946)	93	34502	4.00000	3.8	80.00- 120.00	100.00
4.205	4.210	(0.946)	63	25541			42.30- 102.30	74.03
4.206	4.210	(0.946)	95	11485			1.53- 61.53	33.29
	15 2-Chlorophenol					CAS #: 95-57-8		
4.277	4.278	(0.962)	128	36476	4.00000	3.9	80.00- 120.00	100.00
4.277	4.278	(0.962)	64	19996			20.72- 80.72	54.82
4.278	4.278	(0.962)	130	11682			2.39- 62.39	32.03
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.400	4.401	(0.990)	146	45582	4.00000	3.9	80.00- 120.00	100.00
4.401	4.401	(0.990)	148	29481			36.16- 96.16	64.68
4.399	4.401	(0.989)	111	21034			16.14- 76.14	46.15
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.447	4.448	(1.000)	152	325883	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	199974			32.20- 92.20	61.36
4.447	4.448	(1.000)	150	494303			139.77- 199.77	151.68
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.461	4.462	(1.003)	146	48367	4.00000	4.0	80.00- 120.00	100.00
4.462	4.462	(1.003)	148	31025			38.09- 98.09	64.14
4.461	4.462	(1.003)	111	26319			14.50- 74.50	54.42
	21 Benzyl alcohol					CAS #: 100-51-6		
4.562	4.567	(1.026)	108	24066	4.00000	3.7	80.00- 120.00	100.00
4.563	4.567	(1.026)	79	40098			152.29- 212.29	166.62
4.563	4.567	(1.026)	77	30707			97.26- 157.26	127.59
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.599	4.599	(1.034)	146	42503	4.00000	3.8	80.00- 120.00	100.00
4.599	4.599	(1.034)	148	29123			38.32- 98.32	68.52
4.599	4.599	(1.034)	111	21891			18.14- 78.14	51.50
	22 2-Methylphenol					CAS #: 95-48-7		
4.671	4.671	(1.051)	107	31009	4.00000	3.6	80.00- 120.00	100.00
4.671	4.671	(1.050)	108	35199			82.43- 142.43	113.51
4.670	4.671	(1.050)	79	28688			55.43- 115.43	92.52
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.674	4.675	(1.051)	45	25426	4.00000	4.0	80.00- 120.00	100.00
4.672	4.675	(1.051)	77	31952			102.98- 162.98	125.67
4.675	4.675	(1.051)	121	12512			24.22- 84.22	49.21

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol						CAS #: 106-44-5		
4.806	4.808	(1.081)	107	44374	4.00000	3.6	80.00- 120.00	100.00
4.806	4.808	(1.081)	108	35242			50.54- 110.54	79.42
4.805	4.808	(1.081)	79	15219			2.76- 62.76	34.30
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.794	4.798	(1.078)	70	36273	4.00000	3.8	80.00- 120.00	100.00
4.794	4.798	(1.078)	42	13952			6.87- 66.87	38.46
4.793	4.798	(1.078)	130	6145			0.00- 49.23	16.94
30 Hexachloroethane						CAS #: 67-72-1		
4.900	4.902	(1.102)	117	18984	4.00000	3.9	80.00- 120.00	100.00
4.902	4.902	(1.102)	201	22353			90.07- 150.07	117.75
4.902	4.902	(1.102)	199	14559			43.69- 103.69	76.69
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.941	4.944	(0.881)	82	55226	4.00000	3.9	80.00- 120.00	100.00
4.941	4.944	(0.881)	128	17865			2.76- 62.76	32.35
4.939	4.944	(0.881)	54	20684			7.08- 67.08	37.45
32 Nitrobenzene						CAS #: 98-95-3		
4.958	4.962	(0.884)	77	55086	4.00000	4.0	80.00- 120.00	100.00
4.958	4.962	(0.884)	123	18003			4.18- 64.18	32.68
4.958	4.962	(0.884)	65	8821			0.00- 45.17	16.01
34 Isophorone						CAS #: 78-59-1		
5.172	5.176	(0.922)	82	63953	4.00000	4.2	80.00- 120.00	100.00
5.171	5.176	(0.922)	138	10145			0.00- 46.29	15.86
5.174	5.176	(0.923)	95	5563			0.00- 39.21	8.70
35 2-Nitrophenol						CAS #: 88-75-5		
5.252	5.253	(0.937)	139	18758	4.00000	3.6	80.00- 120.00	100.00
5.251	5.253	(0.936)	65	14999			43.34- 103.34	79.96
5.251	5.253	(0.936)	109	9682			20.91- 80.91	51.62
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.291	5.294	(0.944)	122	31724	4.00000	4.0	80.00- 120.00	100.00
5.291	5.294	(0.943)	107	45897			111.45- 171.45	144.68
5.291	5.294	(0.944)	121	16923			28.89- 88.89	53.34
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.366	5.369	(0.957)	93	44815	4.00000	3.9	80.00- 120.00	100.00
5.366	5.369	(0.957)	95	14804			3.06- 63.06	33.03
5.367	5.369	(0.957)	123	5036			0.00- 44.40	11.24
40 Benzoic Acid						CAS #: 65-85-0		
5.346	5.404	(0.953)	122	10121	4.00000	5.9	80.00- 120.00	100.00
5.347	5.404	(0.954)	105	12502			107.67- 167.67	123.53
5.346	5.404	(0.953)	77	14061			104.37- 164.37	138.93
41 2,4-Dichlorophenol						CAS #: 120-83-2		
5.489	5.490	(0.979)	162	33404	4.00000	3.6	80.00- 120.00	100.00
5.489	5.490	(0.979)	164	24380			36.50- 96.50	72.99

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.487	5.490	(0.979)	98	12781			5.73- 65.73	38.26
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.552	5.555	(0.990)	180	47356	4.00000	4.0	80.00- 120.00	100.00
5.552	5.555	(0.990)	182	44805			67.47- 127.47	94.61
5.552	5.555	(0.990)	145	13014			0.00- 58.13	27.48
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.608	5.610	(1.000)	136	1046976	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	60100			0.00- 35.51	5.74
	44 Naphthalene					CAS #: 91-20-3		
5.627	5.630	(1.003)	128	111265	4.00000	4.1	80.00- 120.00	100.00
5.627	5.630	(1.003)	129	12339			0.00- 41.28	11.09
5.626	5.630	(1.003)	127	12699			0.00- 43.27	11.41
	45 4-Chloroaniline					CAS #: 106-47-8		
5.679	5.681	(1.013)	127	45050	4.00000	4.0	80.00- 120.00	100.00
5.678	5.681	(1.013)	129	14751			2.39- 62.39	32.74
5.679	5.681	(1.013)	65	17824			11.54- 71.54	39.56
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.744	5.746	(1.024)	225	34556	4.00000	3.9	80.00- 120.00	100.00
5.744	5.746	(1.024)	223	21647			32.02- 92.02	62.64
5.744	5.746	(1.024)	227	24995			34.54- 94.54	72.33
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.159	6.158	(1.098)	107	34576	4.00000	3.8	80.00- 120.00	100.00
6.160	6.158	(1.099)	144	7910			0.00- 55.95	22.88
6.161	6.158	(1.099)	142	26066			44.47- 104.47	75.39
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.287	6.289	(1.121)	142	77897	4.00000	4.0	80.00- 120.00	100.00
6.287	6.289	(1.121)	141	67990			58.08- 118.08	87.28
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.383	6.385	(1.138)	142	70243	4.00000	4.0	80.00- 120.00	100.00
6.383	6.385	(1.138)	141	62427			61.72- 121.72	88.87
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.443	6.445	(0.882)	237	40091	4.00000	3.4	80.00- 120.00	100.00
6.443	6.445	(0.882)	235	26032			33.37- 93.37	64.93
6.443	6.445	(0.882)	272	5690			0.00- 43.74	14.19
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.622	6.620	(0.907)	196	32585	4.00000	3.6	80.00- 120.00	100.00
6.623	6.620	(0.907)	198	32276			67.07- 127.07	99.05
6.622	6.620	(0.907)	200	9887			1.30- 61.30	30.34
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.569	6.570	(0.900)	196	29407	4.00000	3.5	80.00- 120.00	100.00
6.568	6.570	(0.899)	198	29475			69.46- 129.46	100.23

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.568	6.570	(0.899)	97	19391			34.72- 94.72	65.94
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.641	6.644	(0.909)	172	110811	4.00000	3.9	80.00- 120.00	100.00
6.641	6.644	(0.909)	171	36324			5.03- 65.03	32.78
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.759	6.763	(0.925)	162	80122	4.00000	3.7	80.00- 120.00	100.00
6.760	6.763	(0.926)	164	27674			4.20- 64.20	34.54
6.759	6.763	(0.925)	127	30739			7.85- 67.85	38.37
63 2-Nitroaniline						CAS #: 88-74-4		
6.864	6.869	(0.940)	65	26072	4.00000	3.5	80.00- 120.00	100.00
6.863	6.869	(0.940)	92	15286			30.25- 90.25	58.63
6.864	6.869	(0.940)	138	19033			52.43- 112.43	73.00
65 Dimethylphthalate						CAS #: 131-11-3		
7.034	7.040	(0.963)	163	96321	4.00000	3.9	80.00- 120.00	100.00
7.033	7.040	(0.963)	194	5585			0.00- 35.55	5.80
7.033	7.040	(0.963)	164	11104			0.00- 40.55	11.53
68 Acenaphthylene						CAS #: 208-96-8		
7.164	7.167	(0.981)	152	122926	4.00000	3.8	80.00- 120.00	100.00
7.164	7.167	(0.981)	151	24207			0.00- 50.50	19.69
7.164	7.167	(0.981)	153	16898			0.00- 43.76	13.75
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.094	7.100	(0.971)	165	19613	4.00000	3.5	80.00- 120.00	100.00
7.094	7.100	(0.971)	89	14511			49.02- 109.02	73.99
7.094	7.100	(0.971)	63	16439			44.86- 104.86	83.82
69 3-Nitroaniline						CAS #: 99-09-2		
7.265	7.271	(0.995)	138	18741	4.00000	3.8	80.00- 120.00	100.00
7.264	7.271	(0.995)	108	1438			0.00- 41.32	7.67
7.264	7.271	(0.995)	92	23994			100.05- 160.05	128.03
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	736764	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	694641			64.73- 124.73	94.28
7.303	7.305	(1.000)	160	322102			12.46- 72.46	43.72
71 Acenaphthene						CAS #: 83-32-9		
7.334	7.338	(1.004)	154	69337	4.00000	3.6	80.00- 120.00	100.00
7.334	7.338	(1.004)	153	80547			78.46- 138.46	116.17
7.333	7.338	(1.004)	152	38213			23.44- 83.44	55.11
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.370	7.369	(1.009)	184	2883	4.00000	7.7	80.00- 120.00	100.00
7.363	7.369	(1.008)	63	1786			48.07- 108.07	61.95
7.366	7.369	(1.009)	154	2420			39.61- 99.61	83.94
74 4-Nitrophenol						CAS #: 100-02-7		
7.483	7.476	(1.025)	109	17079	4.00000	3.2	80.00- 120.00	100.00(Q)

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.501	7.476	(1.027)	139	60682			26.63- 86.63	355.30
7.483	7.476	(1.025)	65	20092			81.59- 141.59	117.64
	75 Dibenzofuran					CAS #: 132-64-9		
7.501	7.506	(1.027)	168	124394	4.00000	3.9	80.00- 120.00	100.00
7.501	7.506	(1.027)	139	60682			12.75- 72.75	48.78
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.489	7.494	(1.025)	165	27749	4.00000	3.5	80.00- 120.00	100.00
7.489	7.494	(1.025)	63	30656			82.10- 142.10	110.48
7.489	7.494	(1.025)	89	28480			72.08- 132.08	102.63
	80 Diethylphthalate					CAS #: 84-66-2		
7.721	7.729	(1.057)	149	91580	4.00000	4.0	80.00- 120.00	100.00
7.722	7.729	(1.057)	177	20455			0.00- 53.36	22.34
7.720	7.729	(1.057)	150	11938			0.00- 42.43	13.04
	81 Fluorene					CAS #: 86-73-7		
7.837	7.841	(1.073)	166	96821	4.00000	3.5	80.00- 120.00	100.00
7.837	7.841	(1.073)	165	94382			65.55- 125.55	97.48
7.837	7.841	(1.073)	167	13331			0.00- 44.15	13.77
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.834	7.838	(1.073)	204	56268	4.00000	3.4	80.00- 120.00	100.00
7.834	7.838	(1.073)	206	19309			4.27- 64.27	34.32
7.834	7.838	(1.073)	141	31429			24.97- 84.97	55.86
	84 4-Nitroaniline					CAS #: 100-01-6		
7.862	7.874	(1.077)	138	19527	4.00000	4.5	80.00- 120.00	100.00
7.862	7.874	(1.077)	92	11138			38.02- 98.02	57.04
7.862	7.874	(1.077)	108	25997			124.92- 184.92	133.13
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.886	7.896	(0.900)	198	12572	4.00000	5.9	80.00- 120.00	100.00
7.886	7.896	(0.900)	51	4382			6.77- 66.77	34.86
7.885	7.896	(0.900)	105	4111			8.50- 68.50	32.70
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.950	7.956	(0.908)	169	64871	4.00000	3.8	80.00- 120.00	100.00
7.951	7.956	(0.908)	168	42335			36.61- 96.61	65.26
7.951	7.956	(0.908)	167	23431			4.62- 64.62	36.12
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.988	7.992	(1.094)	77	104756	4.00000	4.0	80.00- 120.00	100.00
7.989	7.992	(1.094)	105	12903			0.00- 43.34	12.32
7.989	7.992	(1.094)	182	26609			0.00- 56.11	25.40
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.078	8.083	(1.106)	330	34232	8.00000	6.6	80.00- 120.00	100.00
8.078	8.083	(1.106)	332	35196			66.43- 126.43	102.82
8.077	8.083	(1.106)	141	14162			9.24- 69.24	41.37

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.314	8.318	(0.949)	248	36259	4.00000	3.7	80.00- 120.00	100.00
8.313	8.318	(0.949)	250	36123			67.36- 127.36	99.62
8.313	8.318	(0.949)	141	24814			35.77- 95.77	68.44
94 Hexachlorobenzene							CAS #: 118-74-1	
8.381	8.387	(0.957)	284	42501	4.00000	3.8	80.00- 120.00	100.00
8.380	8.387	(0.957)	142	12835			2.39- 62.39	30.20
8.381	8.387	(0.957)	249	11338			0.06- 60.06	26.68
96 Pentachlorophenol							CAS #: 87-86-5	
8.582	8.585	(0.980)	266	19212	4.00000	2.9	80.00- 120.00	100.00
8.581	8.585	(0.980)	264	9800			33.70- 93.70	51.01
8.582	8.585	(0.980)	268	10266			35.26- 95.26	53.44
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.758	8.761	(1.000)	188	1346330	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	83022			0.00- 36.35	6.17
8.757	8.761	(1.000)	80	104982			0.00- 37.82	7.80
101 Phenanthrene							CAS #: 85-01-8	
8.780	8.785	(1.002)	178	139617	4.00000	4.0	80.00- 120.00	100.00
8.780	8.785	(1.002)	179	22269			0.00- 46.33	15.95
8.780	8.785	(1.002)	176	26820			0.00- 50.11	19.21
103 Anthracene							CAS #: 120-12-7	
8.829	8.835	(1.008)	178	136037	4.00000	3.9	80.00- 120.00	100.00
8.829	8.835	(1.008)	179	21497			0.00- 45.97	15.80
8.828	8.835	(1.008)	176	23820			0.00- 49.80	17.51
104 Carbazole							CAS #: 86-74-8	
8.991	8.996	(1.027)	167	116989	4.00000	4.1	80.00- 120.00	100.00
8.990	8.996	(1.026)	139	14990			0.00- 43.89	12.81
8.991	8.996	(1.027)	83	6445			0.00- 36.17	5.51
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.323	9.327	(1.065)	149	134475	4.00000	3.7	80.00- 120.00	100.00
9.325	9.327	(1.065)	150	12283			0.00- 40.04	9.13
9.324	9.327	(1.065)	104	10835			0.00- 37.79	8.06
109 Fluoranthene							CAS #: 206-44-0	
9.947	9.953	(1.136)	202	163870	4.00000	4.1	80.00- 120.00	100.00
9.946	9.953	(1.136)	101	9993			0.00- 36.69	6.10
9.948	9.953	(1.136)	203	29495			0.00- 48.82	18.00
111 Pyrene							CAS #: 129-00-0	
10.171	10.176	(0.896)	202	165300	4.00000	4.6	80.00- 120.00	100.00
10.171	10.176	(0.896)	200	34357			0.00- 51.88	20.78
10.171	10.176	(0.896)	203	29618			0.00- 49.33	17.92
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.318	10.322	(0.909)	244	161899	4.00000	4.8	80.00- 120.00	100.00
10.317	10.322	(0.909)	122	10033			0.00- 36.72	6.20

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.318	10.322	(0.909)	212	11584			0.00- 38.06	7.16
118 Butylbenzylphthalate							CAS #: 85-68-7	
10.794	10.798	(0.951)	149	59959	4.00000	3.9	80.00- 120.00	100.00
10.794	10.798	(0.951)	91	47815			51.57- 111.57	79.75
10.794	10.798	(0.951)	206	15773			0.00- 55.14	26.31
120 Benzo[a]anthracene							CAS #: 56-55-3	
11.343	11.348	(0.999)	228	196611	4.00000	4.4	80.00- 120.00	100.00
11.343	11.348	(0.999)	229	37448			0.00- 51.57	19.05
11.342	11.348	(0.999)	226	52700			0.00- 58.54	26.80
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.354	11.359	(1.000)	240	1791449	40.0000		80.00- 120.00	100.00
11.352	11.359	(1.000)	120	101543			0.00- 36.38	5.67
11.354	11.359	(1.000)	236	476713			0.00- 57.06	26.61
123 Chrysene							CAS #: 218-01-9	
11.377	11.384	(1.002)	228	182591	4.00000	4.6	80.00- 120.00	100.00
11.377	11.384	(1.002)	226	55101			1.12- 61.12	30.18
11.377	11.384	(1.002)	229	38016			0.00- 51.74	20.82
124 Bis-2-Ethylhexylphthalate							CAS #: 117-81-7	
11.348	11.350	(0.999)	149	101199	4.00000	3.8	80.00- 120.00	100.00
11.349	11.350	(1.000)	167	33116			2.07- 62.07	32.72
11.349	11.350	(1.000)	279	8929			0.00- 39.24	8.82
125 Di-n-octylphthalate							CAS #: 117-84-0	
11.945	11.948	(0.942)	149	142265	4.00000	3.5	80.00- 120.00	100.00
11.945	11.948	(0.942)	167	1952			0.00- 31.74	1.37
11.944	11.948	(0.942)	43	10234			0.00- 38.21	7.19
127 Benzo[b]fluoranthene							CAS #: 205-99-2	
12.327	12.333	(0.972)	252	189692	4.00000	3.8	80.00- 120.00	100.00
12.327	12.333	(0.972)	253	38174			0.00- 54.02	20.12
12.328	12.333	(0.972)	125	8335			0.00- 34.93	4.39
128 Benzo[k]fluoranthene							CAS #: 207-08-9	
12.350	12.359	(0.974)	252	207286	4.00000	4.2	80.00- 120.00	100.00
12.350	12.359	(0.974)	253	48205			0.00- 53.57	23.26
12.348	12.359	(0.974)	125	9108			0.00- 35.26	4.39
129 Benzo[a]pyrene							CAS #: 50-32-8	
12.623	12.630	(0.995)	252	182280	4.00000	3.8	80.00- 120.00	100.00(M)
12.623	12.630	(0.995)	253	38474			0.00- 54.04	21.11
12.622	12.630	(0.995)	125	10979			0.00- 35.52	6.02
* 130 Perylene-d12							CAS #: 1520-96-3	
12.680	12.682	(1.000)	264	1864963	40.0000		80.00- 120.00	100.00
12.680	12.682	(1.000)	260	457444			0.00- 54.80	24.53
12.680	12.682	(1.000)	265	433588			0.00- 53.39	23.25

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.736	13.749	(1.083)	276	236792	4.00000	3.9	80.00- 120.00	100.00
13.735	13.749	(1.083)	138	24116			0.00- 42.48	10.18
13.735	13.749	(1.083)	277	58155			0.00- 56.82	24.56
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.743	13.755	(1.084)	278	202127	4.00000	3.8	80.00- 120.00	100.00
13.742	13.755	(1.084)	139	16619			0.00- 37.70	8.22
13.744	13.755	(1.084)	279	47237			0.00- 54.57	23.37
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.039	14.053	(1.107)	276	191249	4.00000	4.1	80.00- 120.00	100.00
14.038	14.053	(1.107)	138	19324			0.00- 40.01	10.10
14.039	14.053	(1.107)	277	47000			0.00- 54.80	24.58

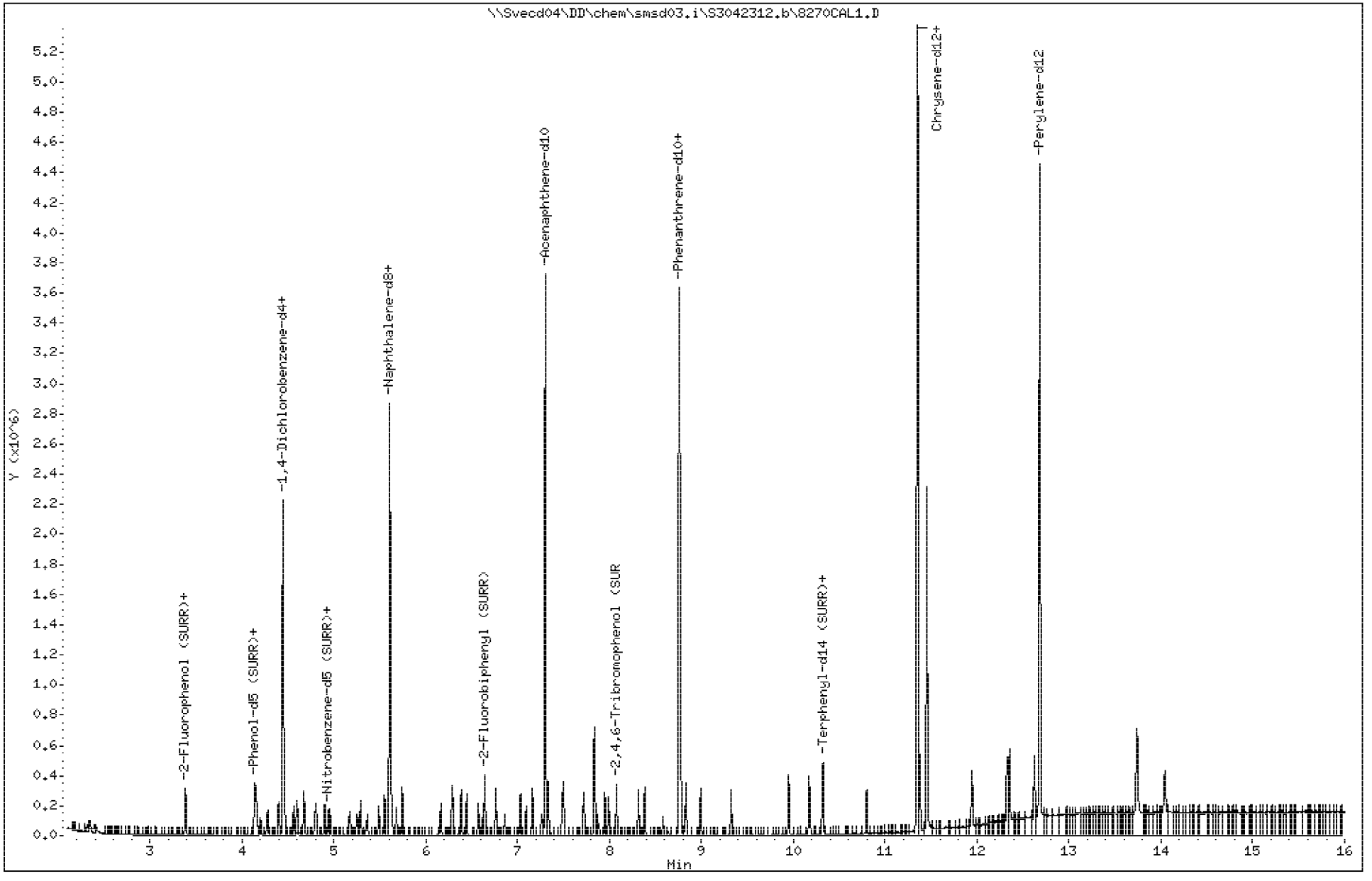
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D
Date : 23-APR-2012 12:45
Client ID: 8270CAL1
Sample Info: 45927
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd03.i
Operator: PEL
Column diameter: 0.25

1380



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

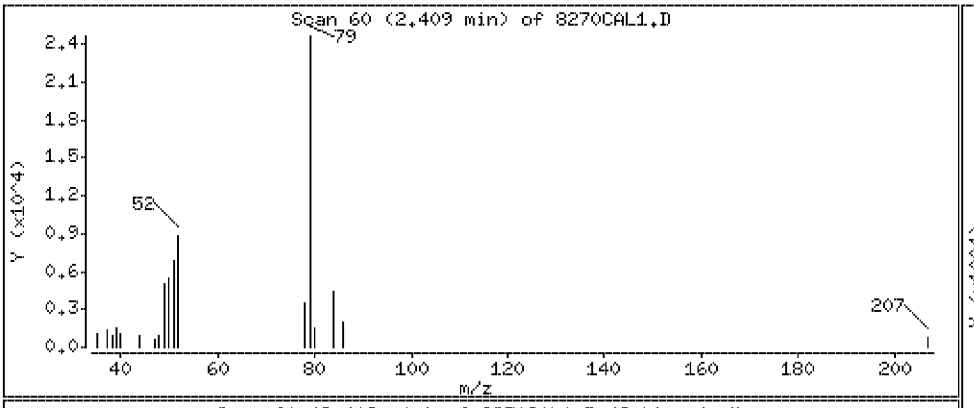
Operator: PEL

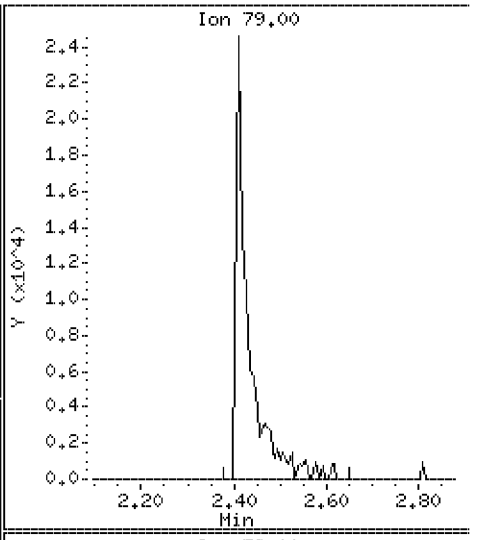
Column phase: HPMS-5

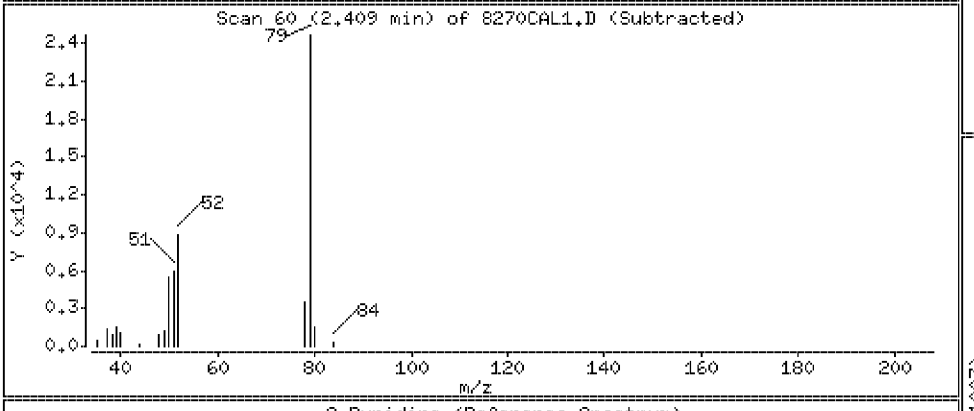
Column diameter: 0.25

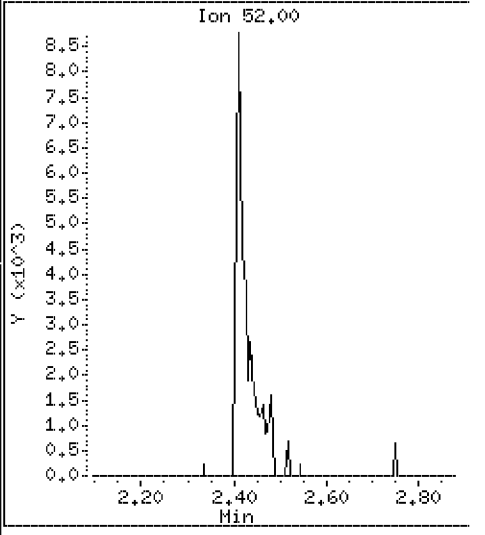
2 Pyridine

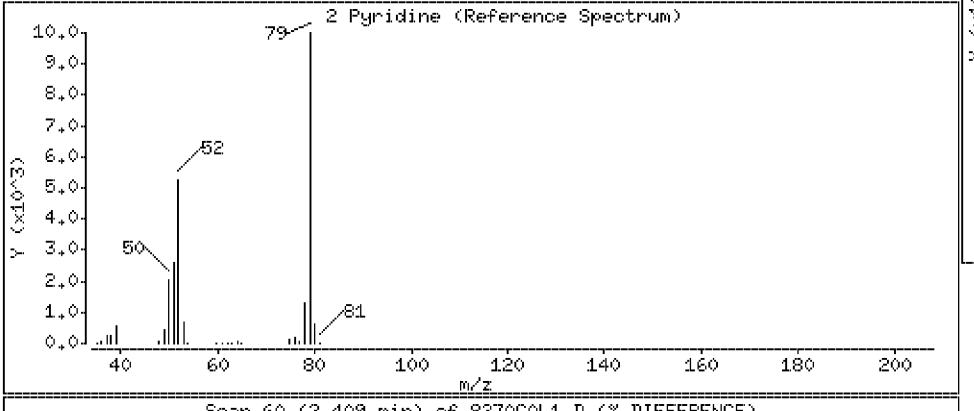
Concentration: 3.8 ug/l

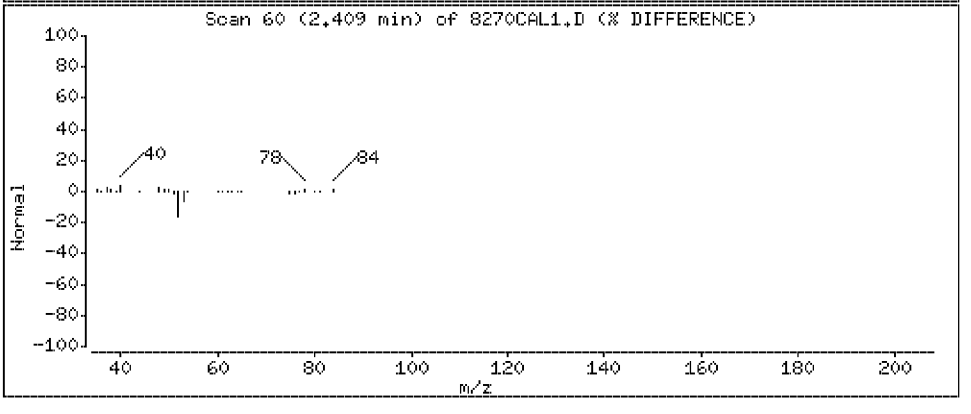












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

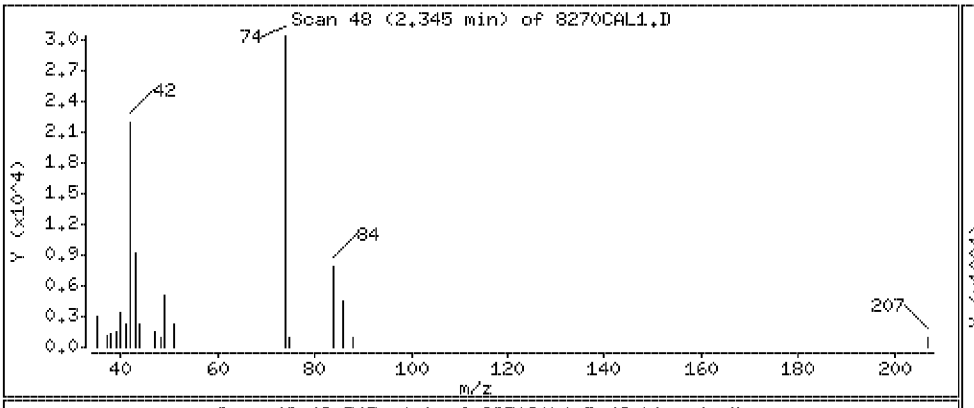
Operator: PEL

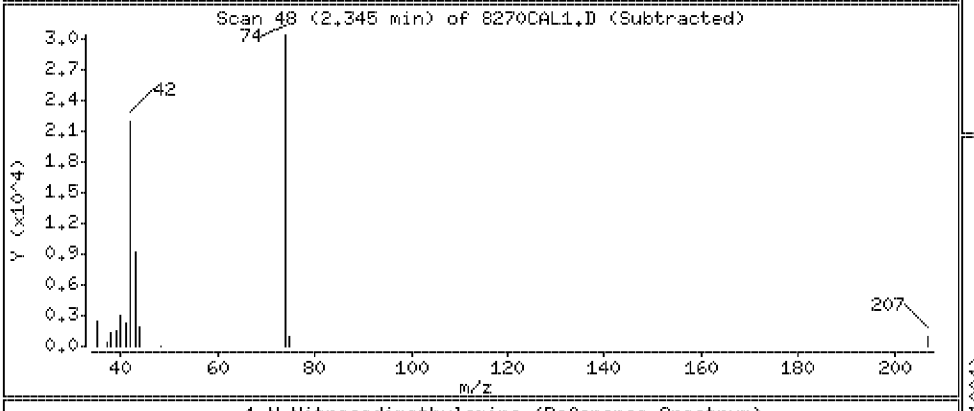
Column phase: HPMS-5

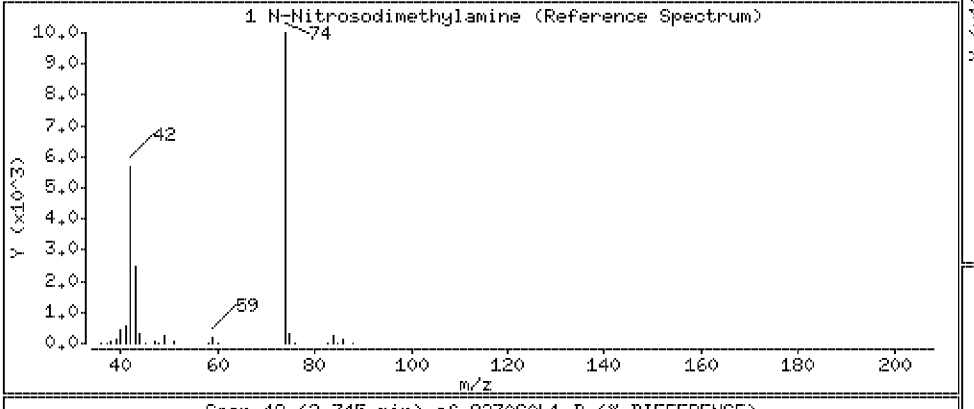
Column diameter: 0.25

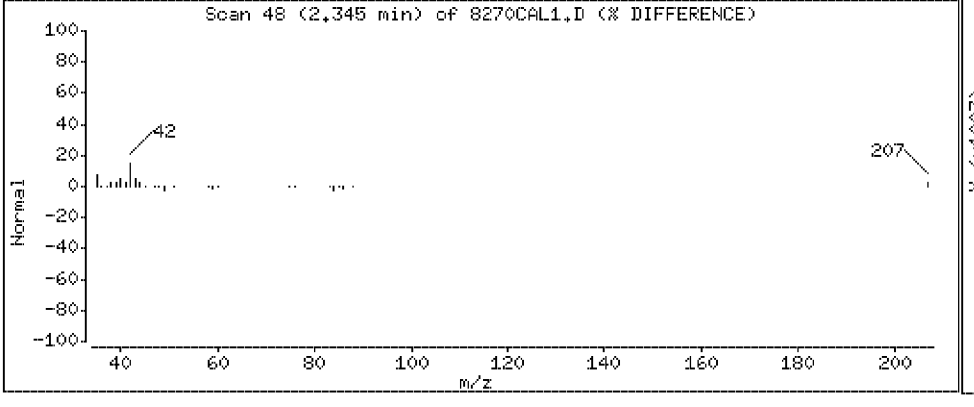
1 N-Nitrosodimethylamine

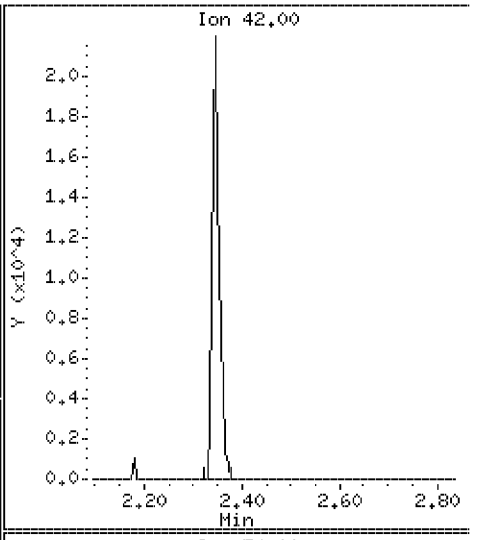
Concentration: 4.0 ug/l

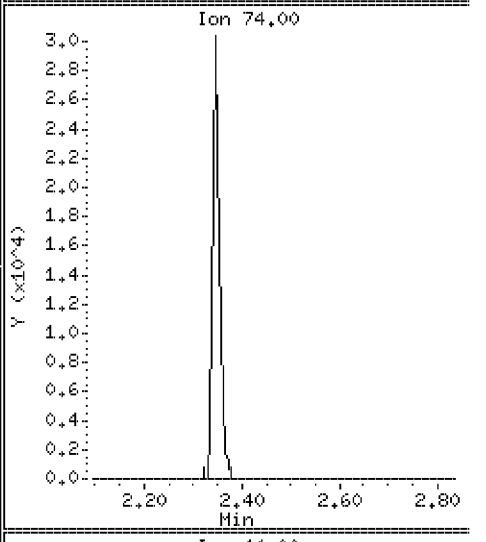


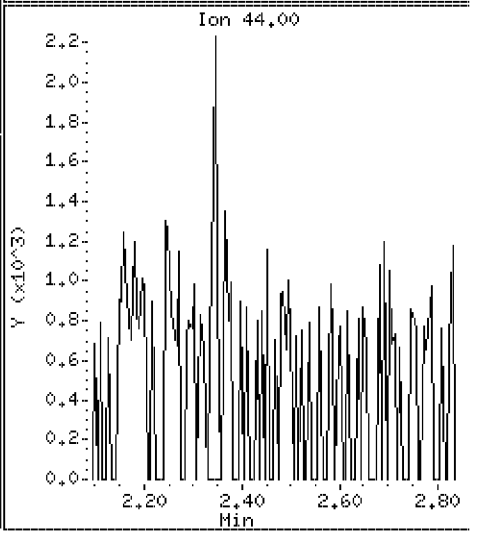












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

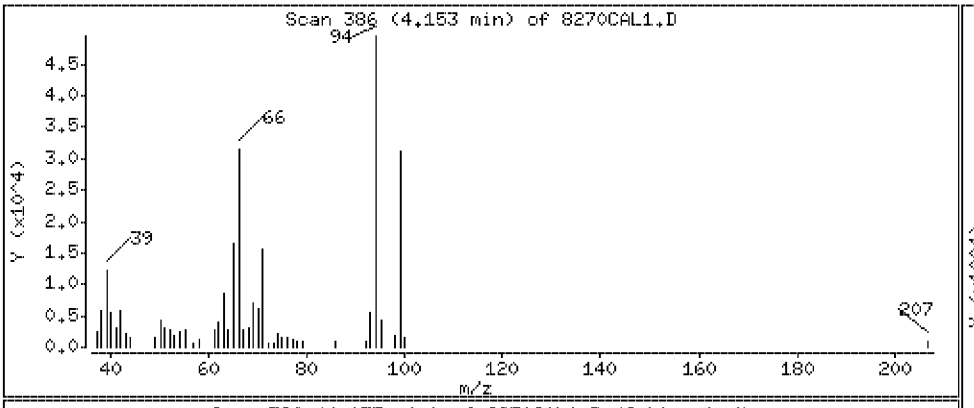
Operator: PEL

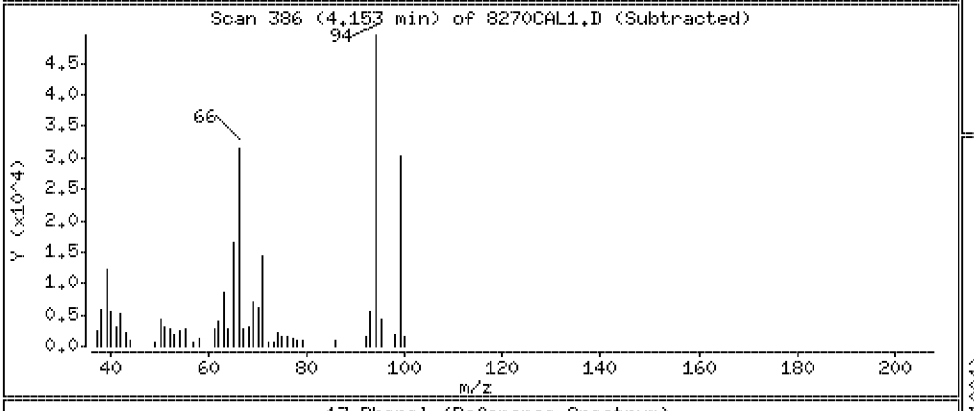
Column phase: HPMS-5

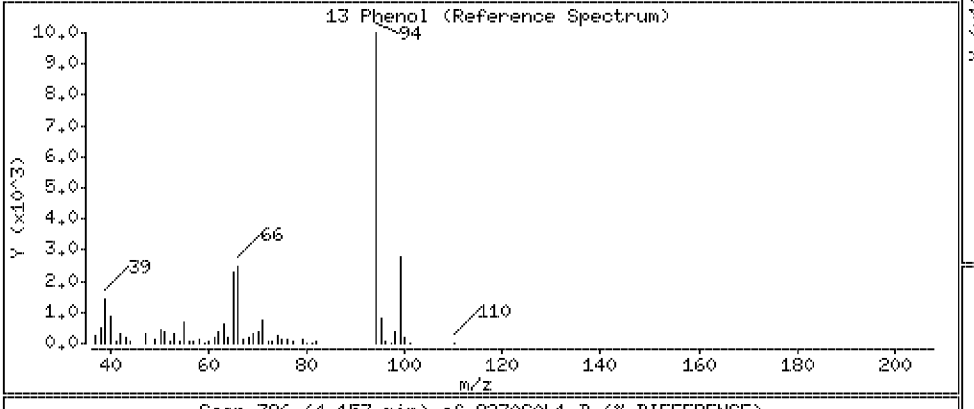
Column diameter: 0.25

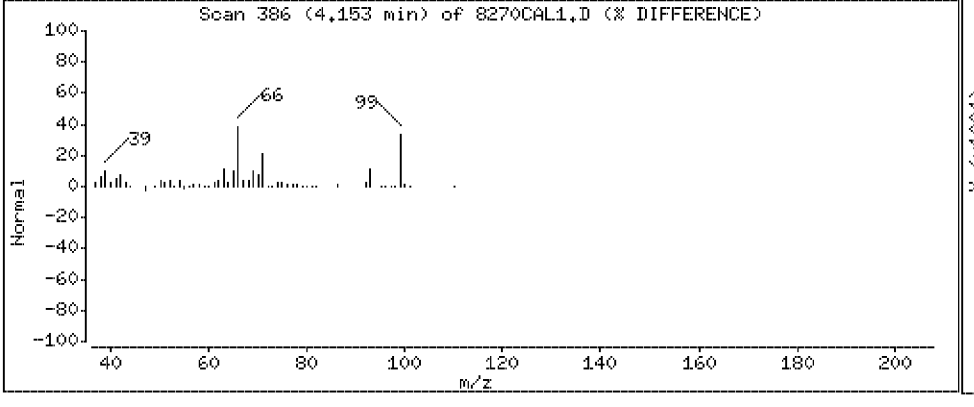
13 Phenol

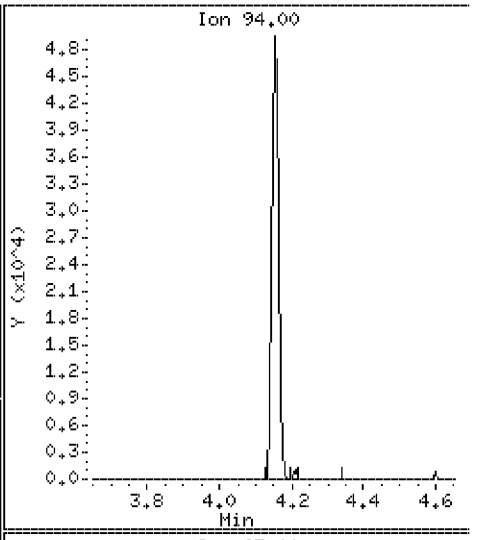
Concentration: 3.7 ug/l

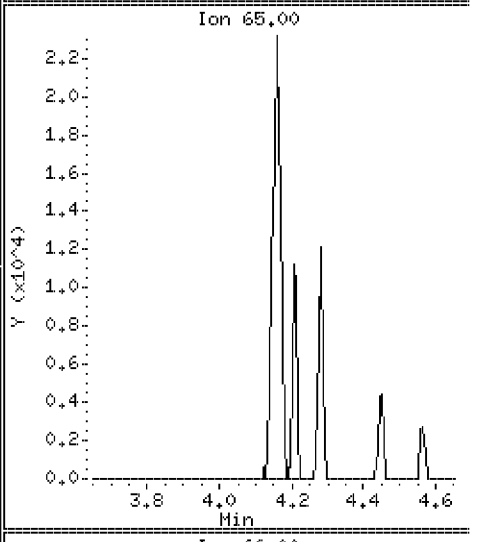


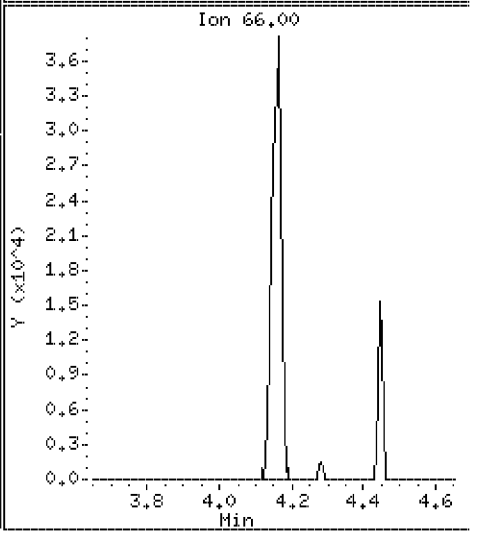












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

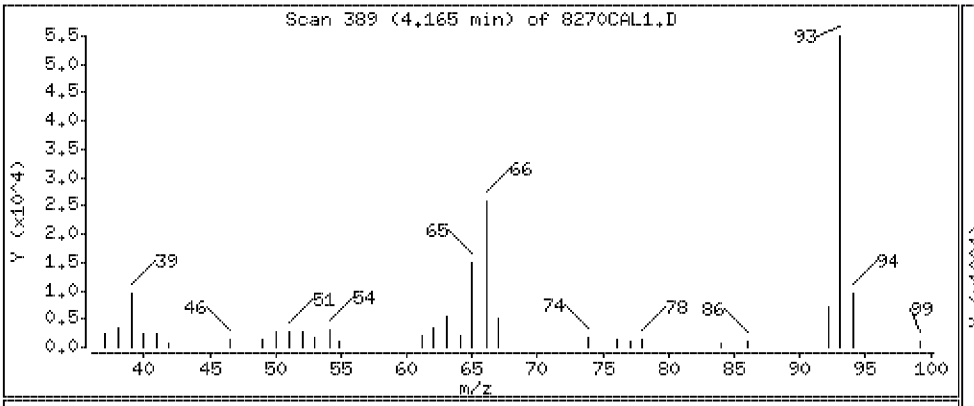
Client ID: 8270CAL1 Instrument: smsd03.i

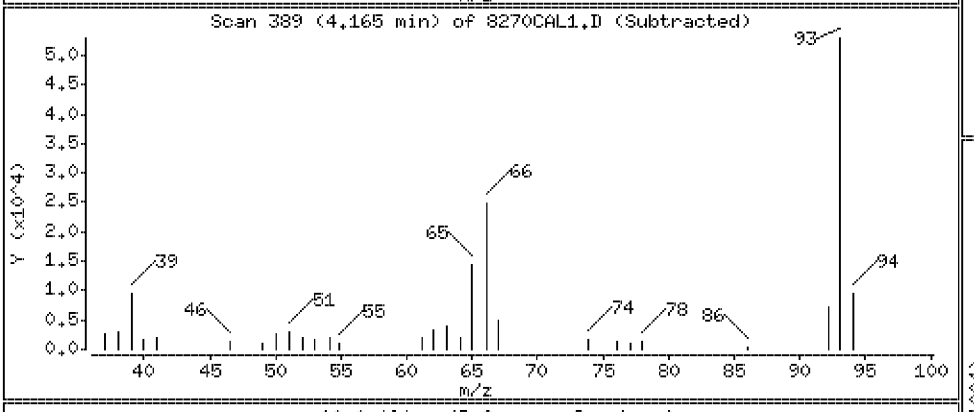
Sample Info: 45927

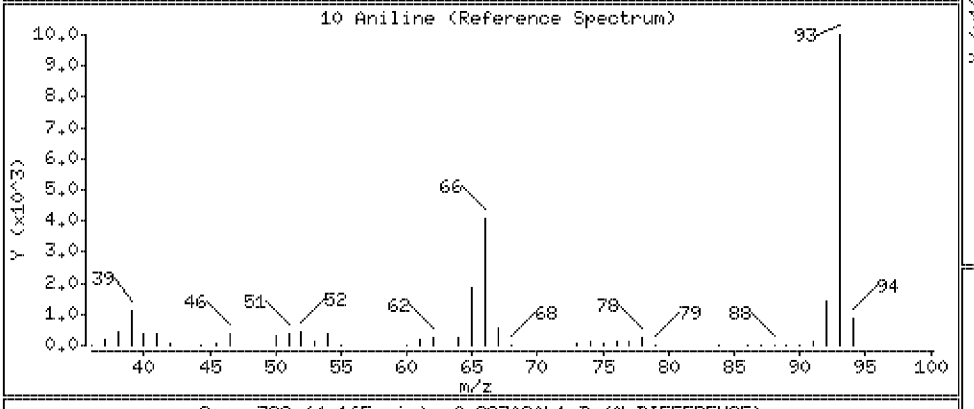
Purge Volume: 1000.0 Operator: PEL

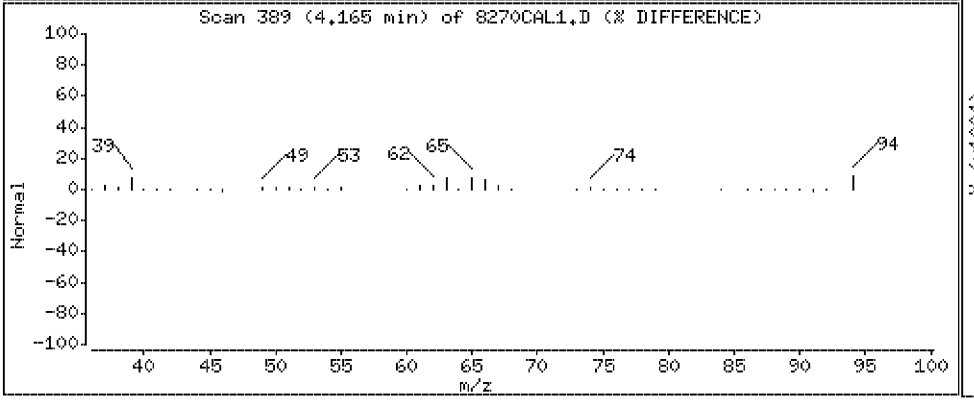
Column phase: HPMS-5 Column diameter: 0.25

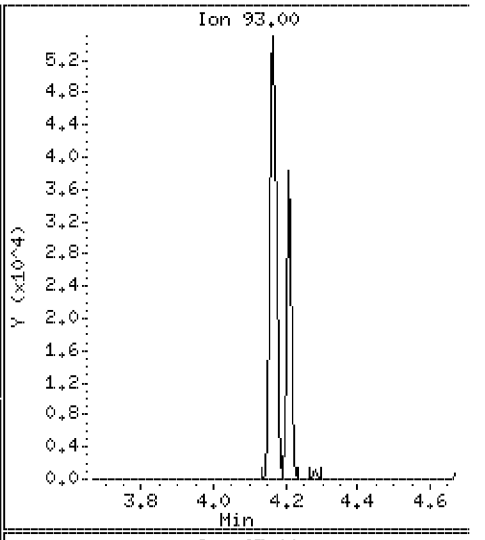
10 Aniline Concentration: 3.7 ug/l

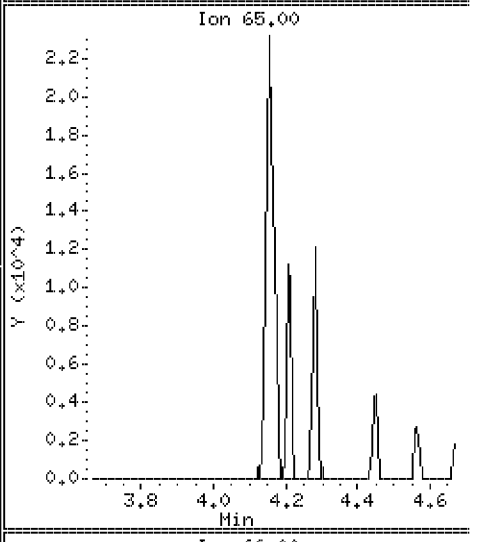


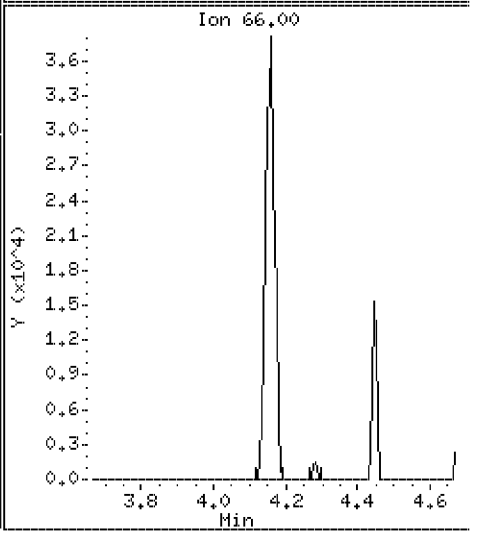












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

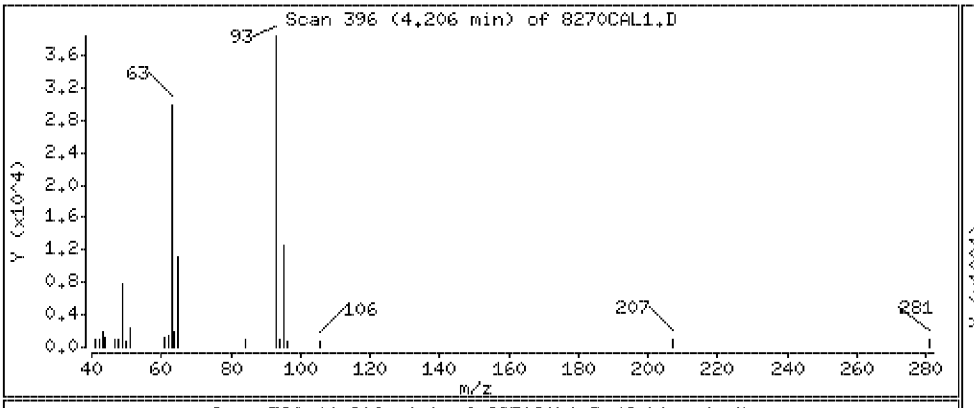
Operator: PEL

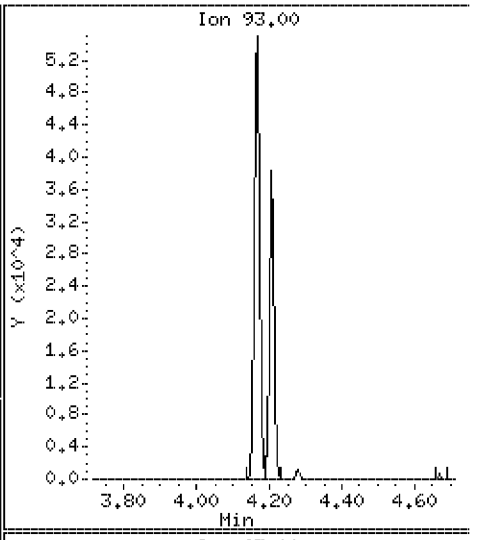
Column phase: HP5MS-5

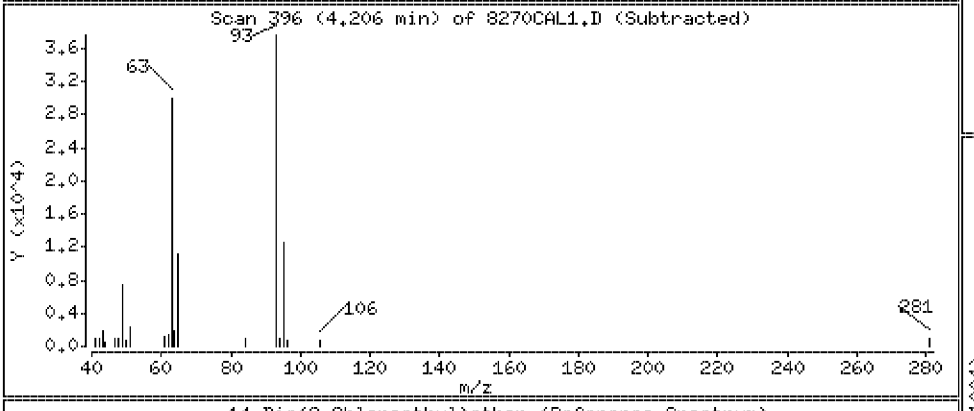
Column diameter: 0.25

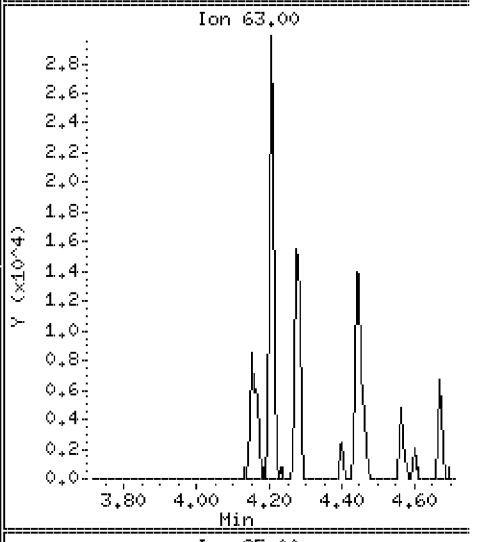
14 Bis(2-Chloroethyl)ether

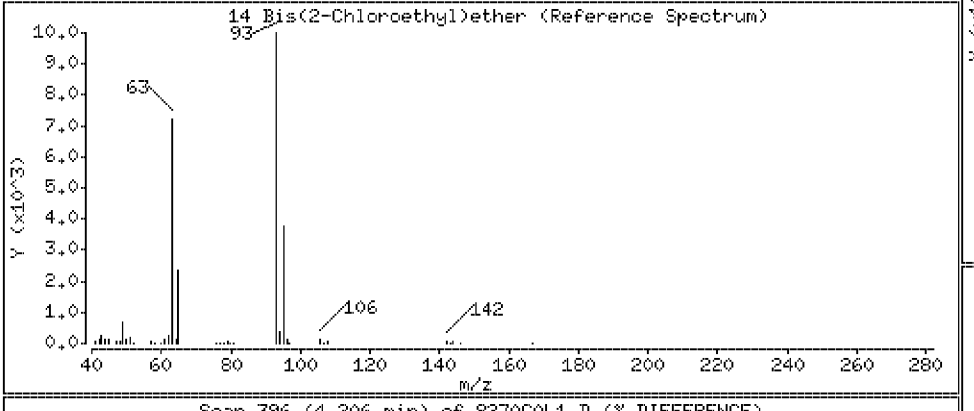
Concentration: 3.8 ug/l

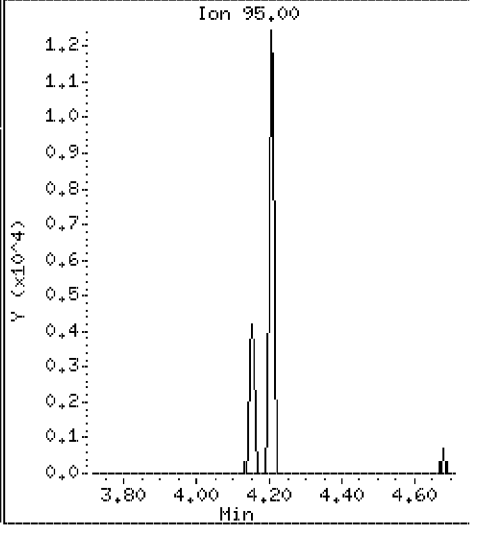


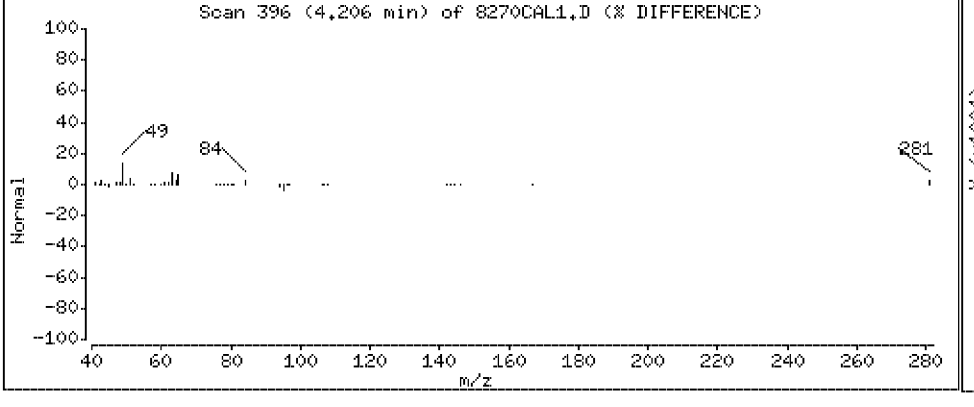












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

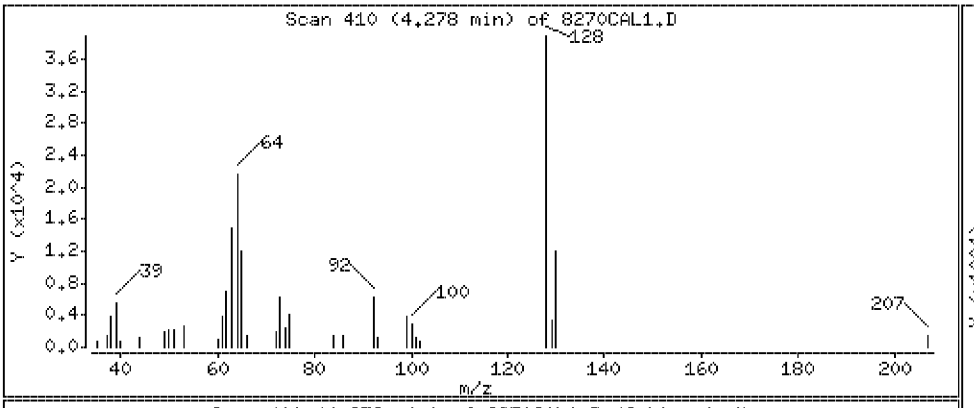
Operator: PEL

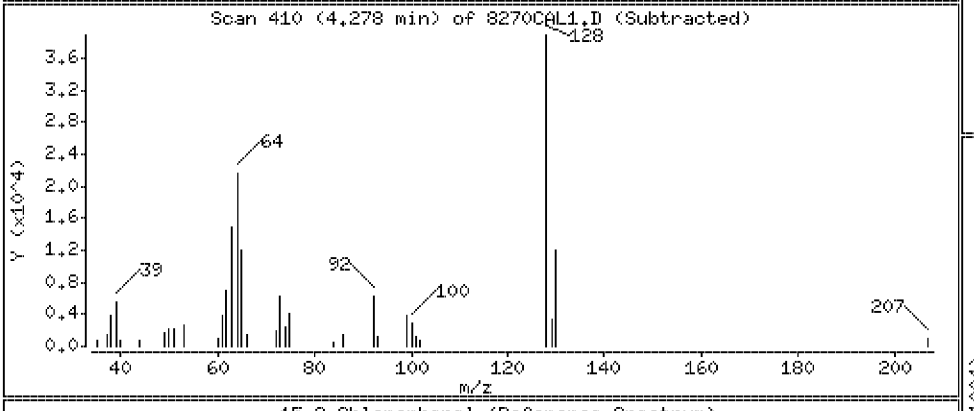
Column phase: HPMS-5

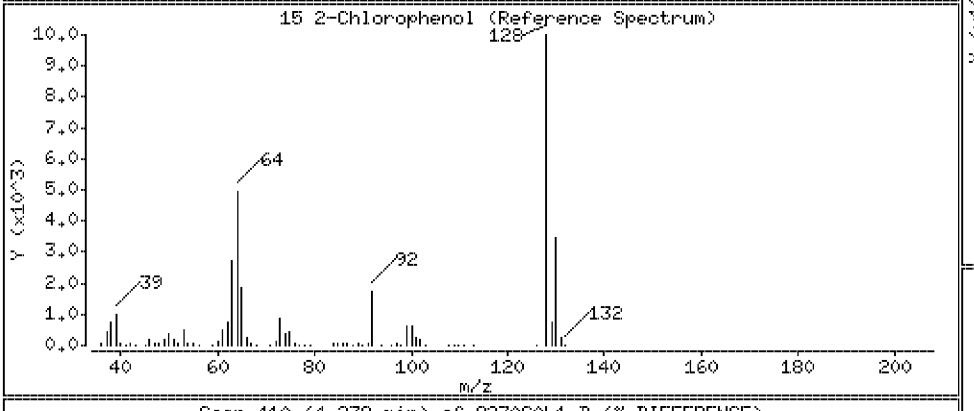
Column diameter: 0.25

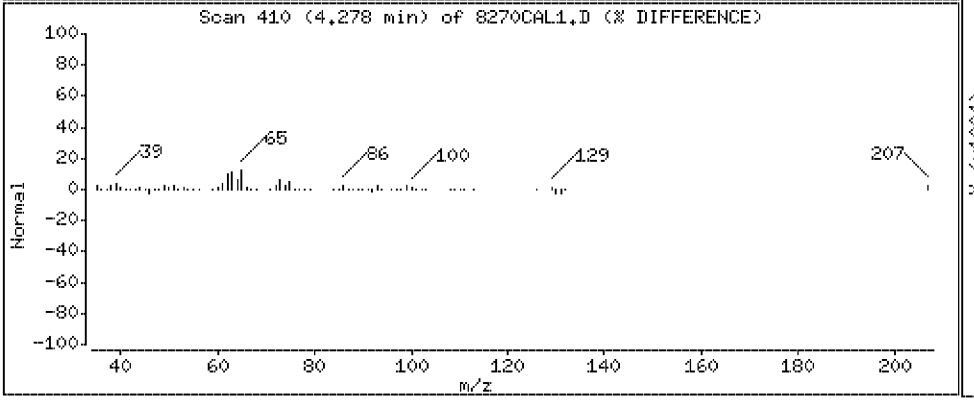
15 2-Chlorophenol

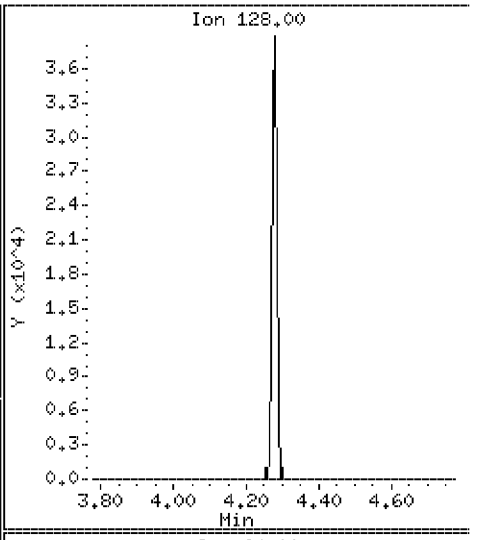
Concentration: 3.9 ug/l

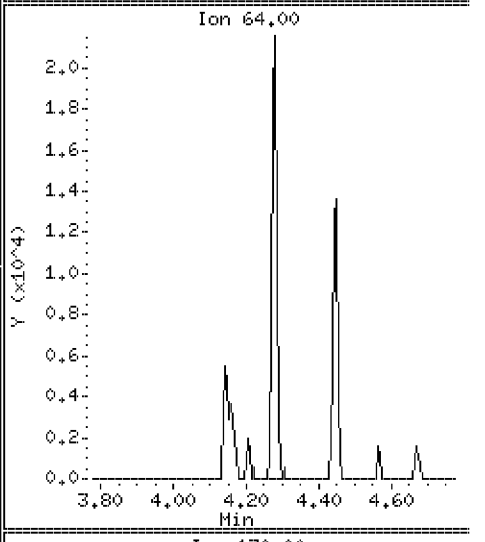


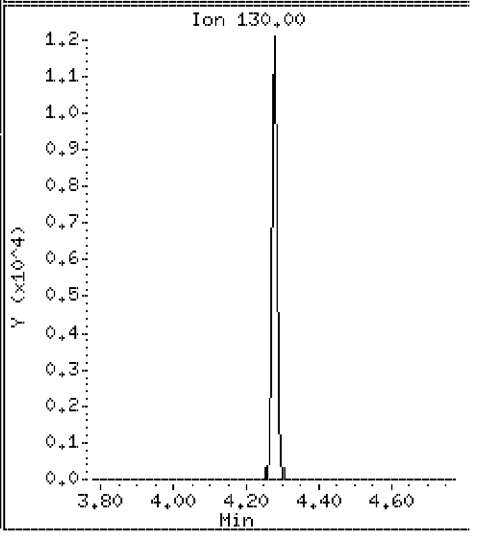












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

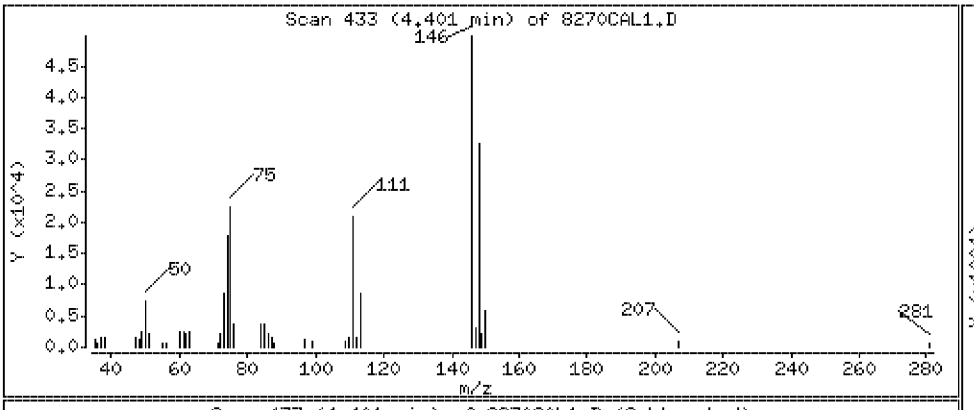
Operator: PEL

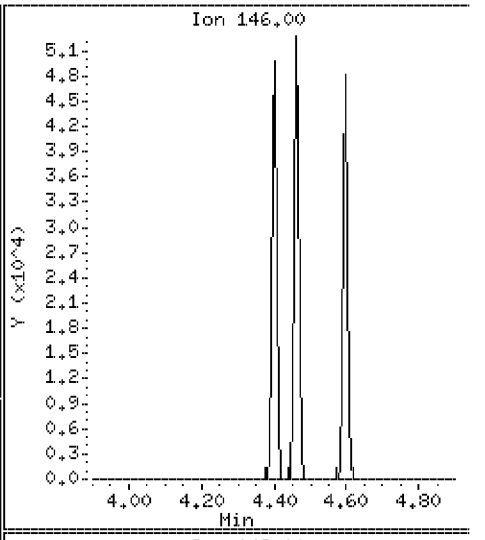
Column phase: HPMS-5

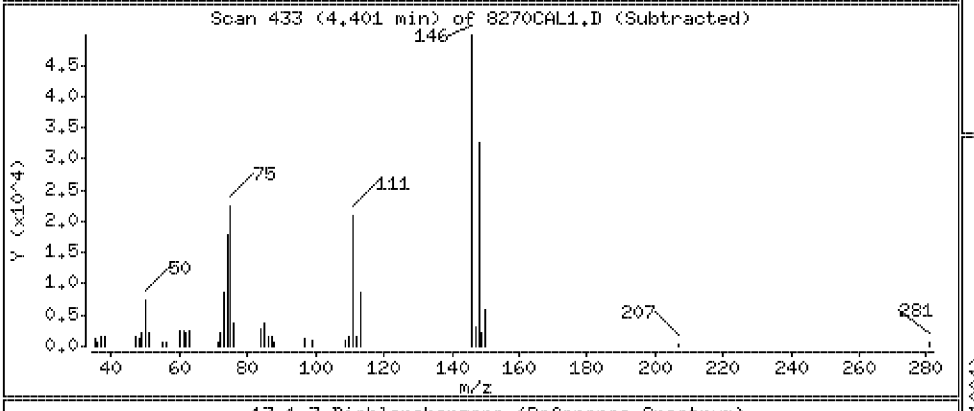
Column diameter: 0.25

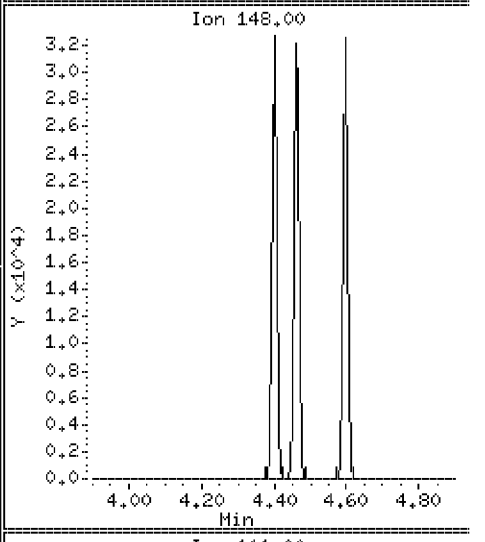
17 1,3-Dichlorobenzene

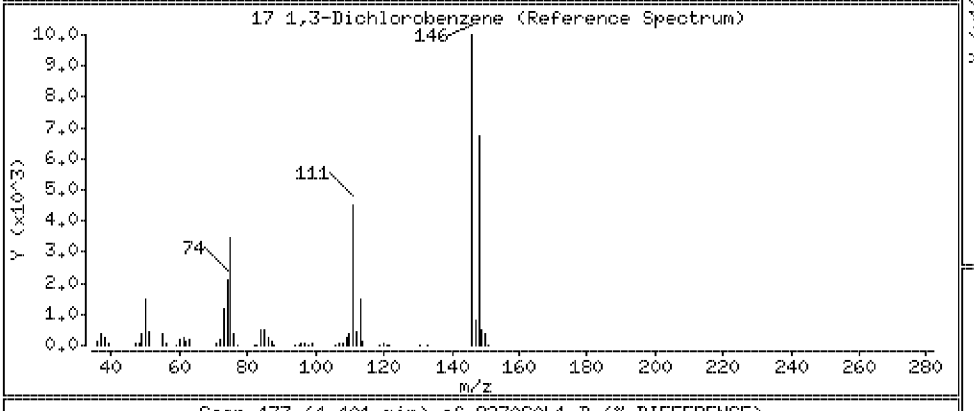
Concentration: 3.9 ug/l

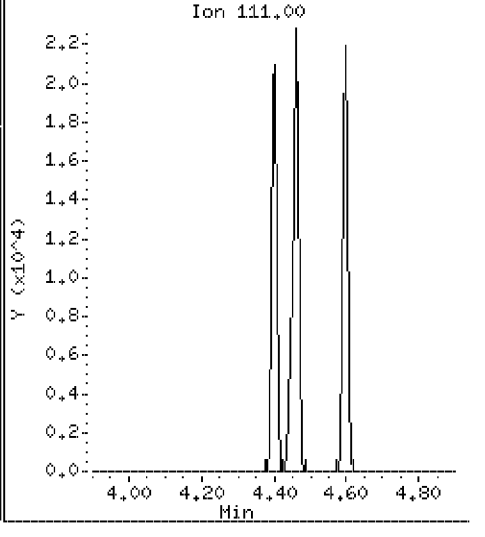


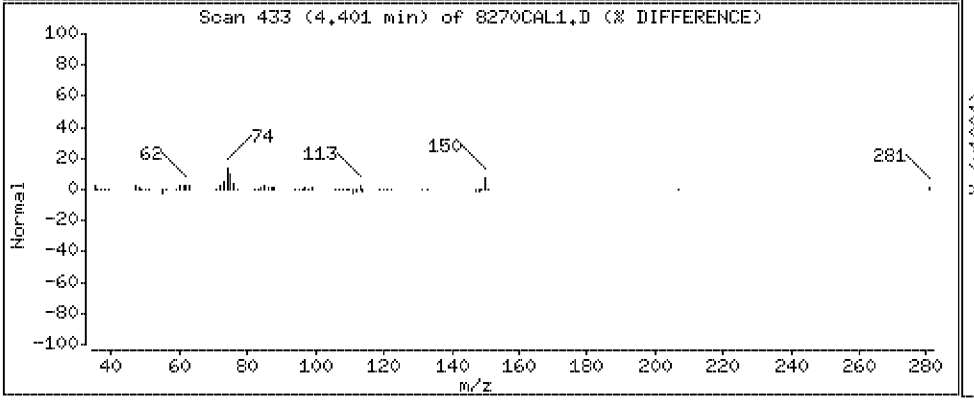












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

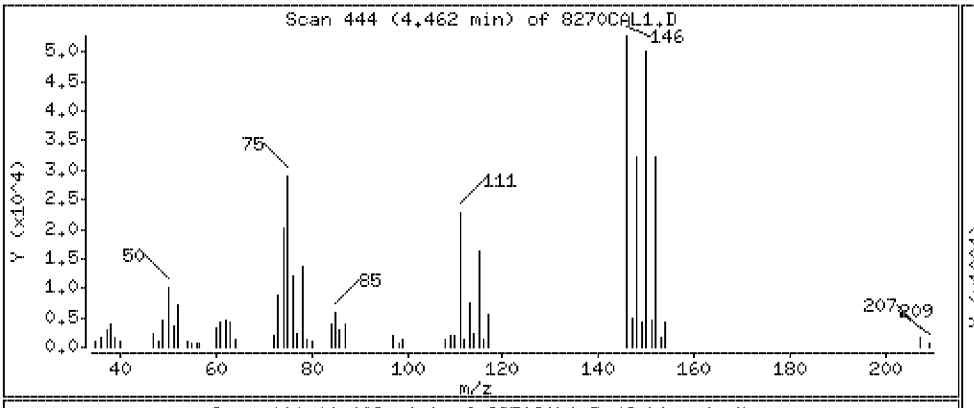
Operator: PEL

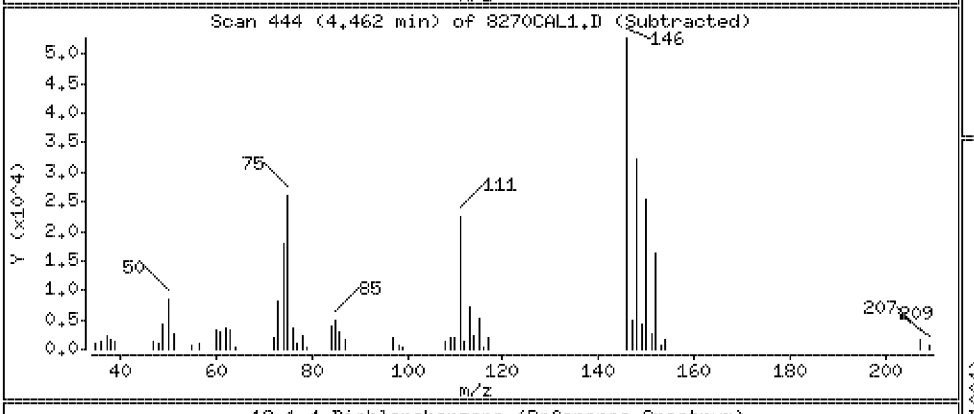
Column phase: HPMS-5

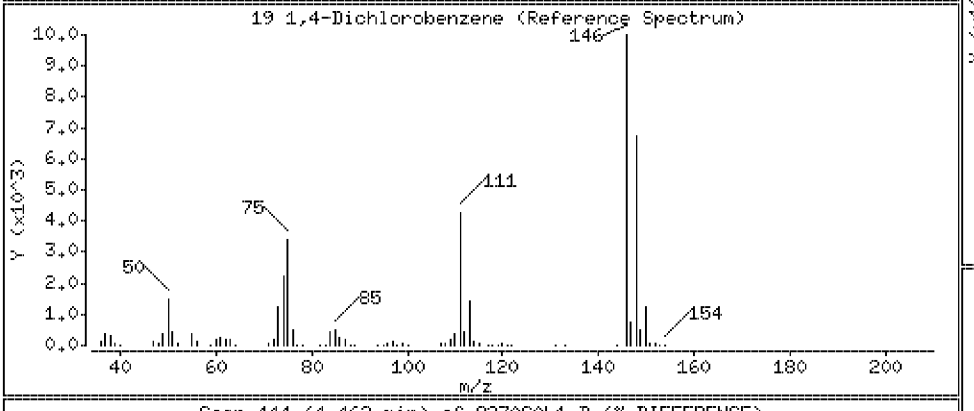
Column diameter: 0.25

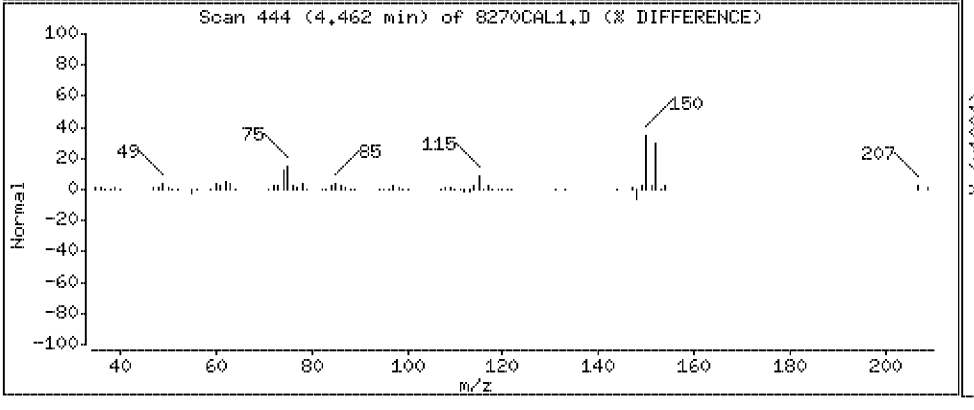
19 1,4-Dichlorobenzene

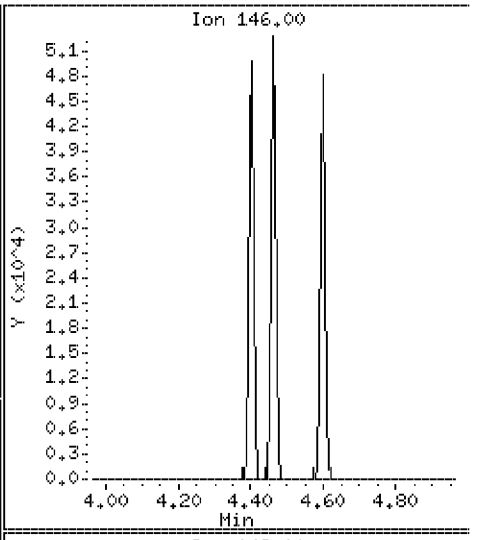
Concentration: 4.0 ug/l

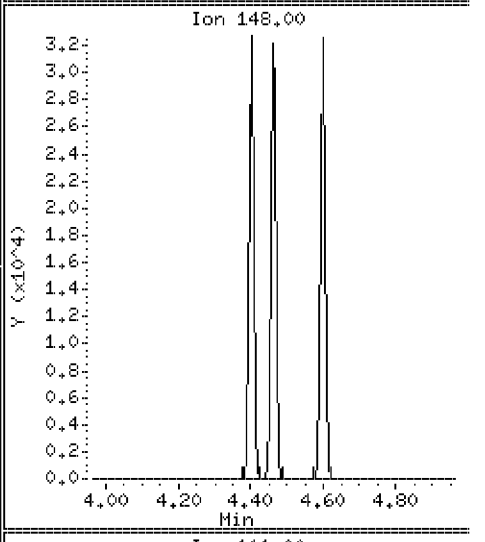


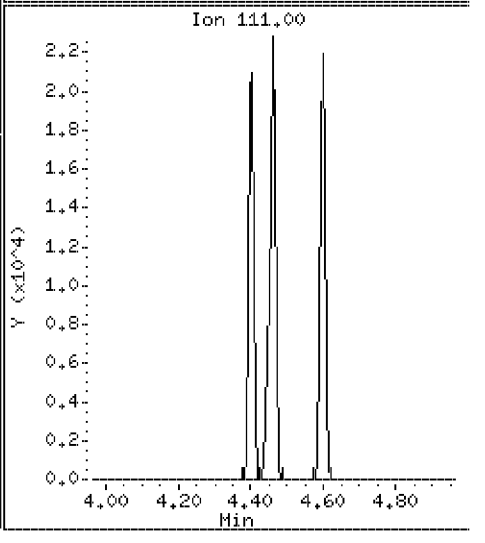












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

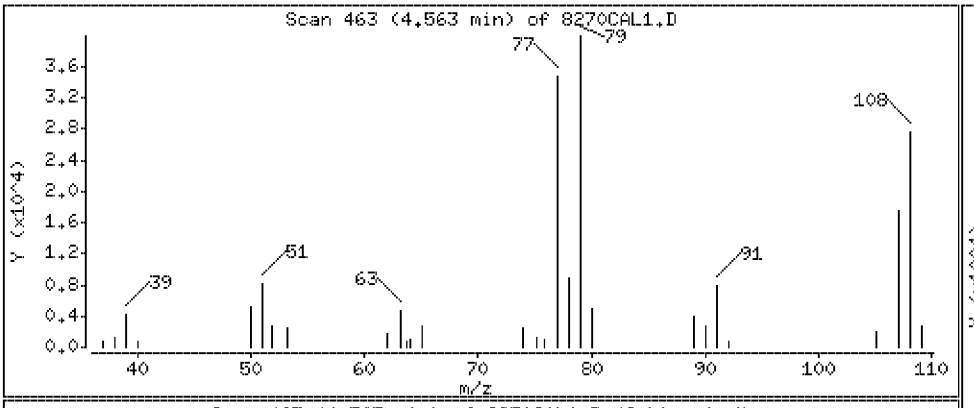
Operator: PEL

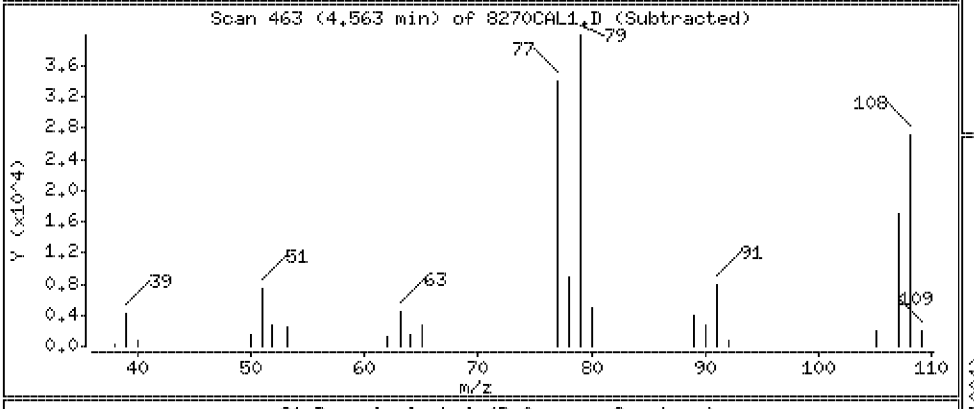
Column phase: HPMS-5

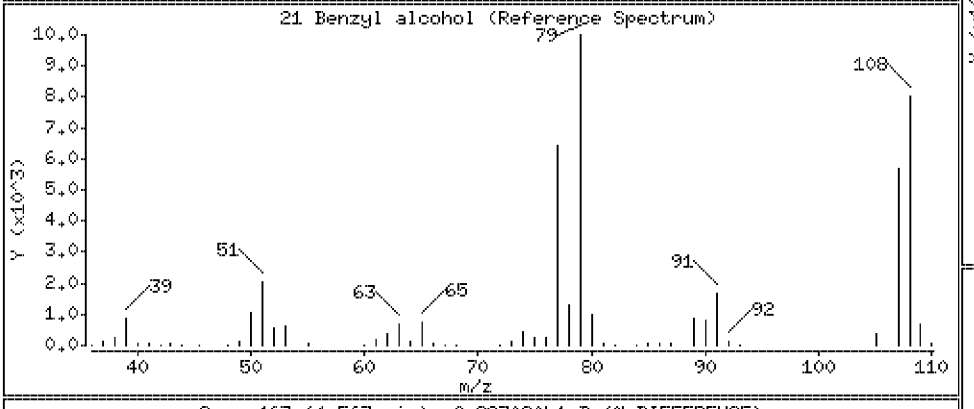
Column diameter: 0.25

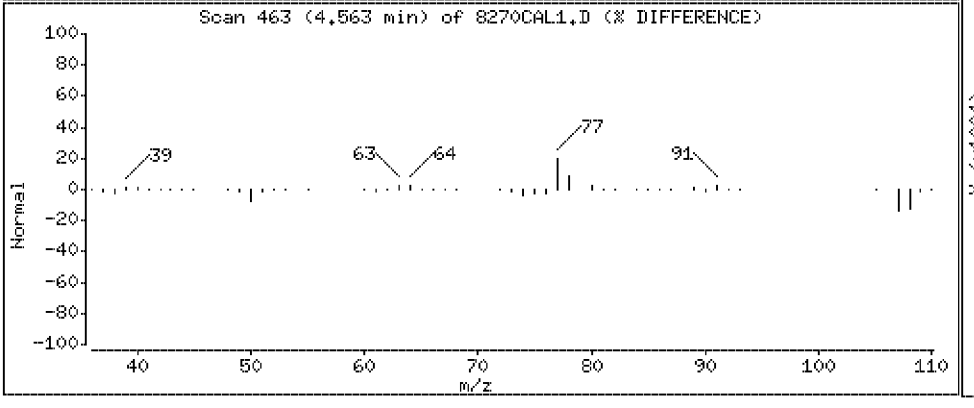
21 Benzyl alcohol

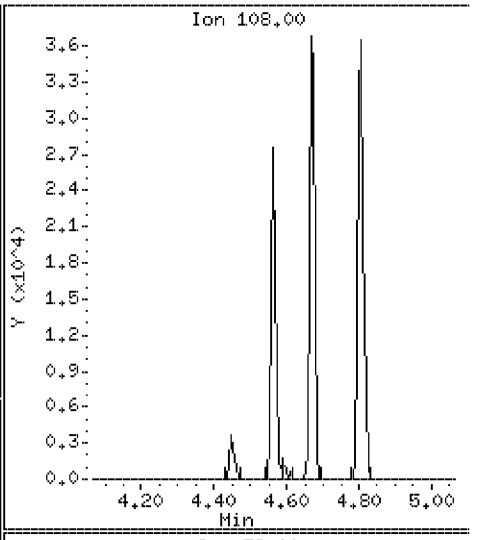
Concentration: 3.7 ug/l

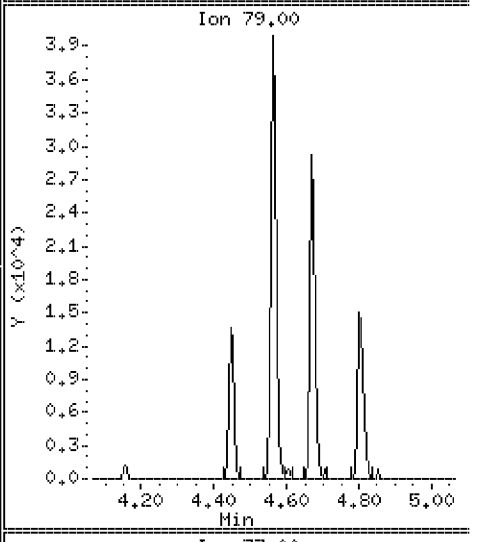


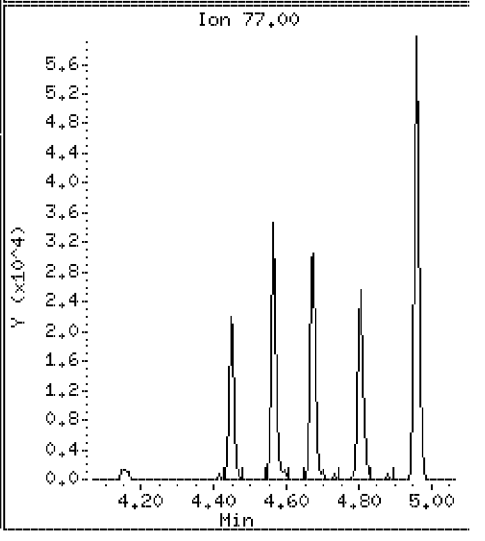












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

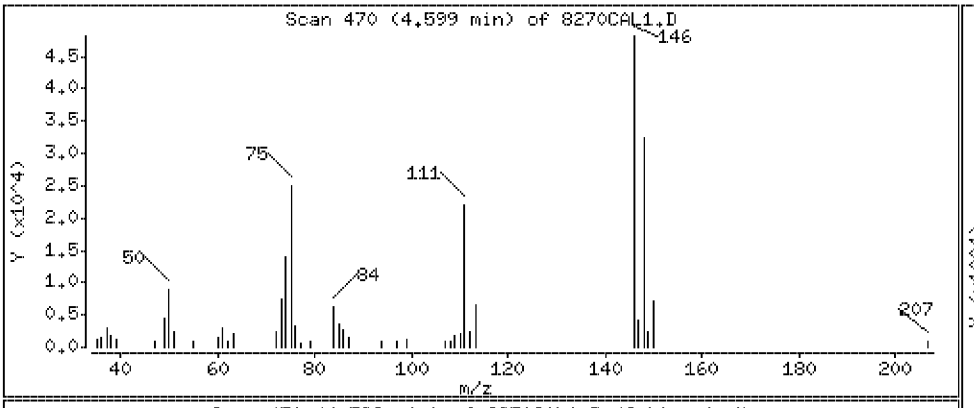
Operator: PEL

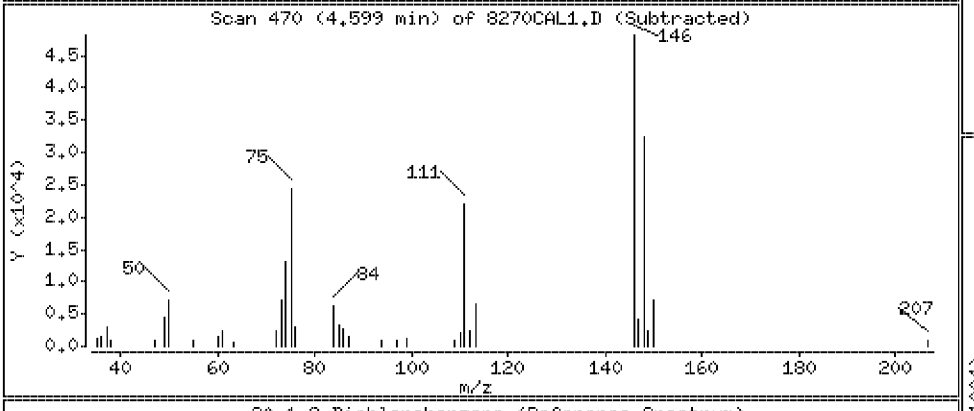
Column phase: HPMS-5

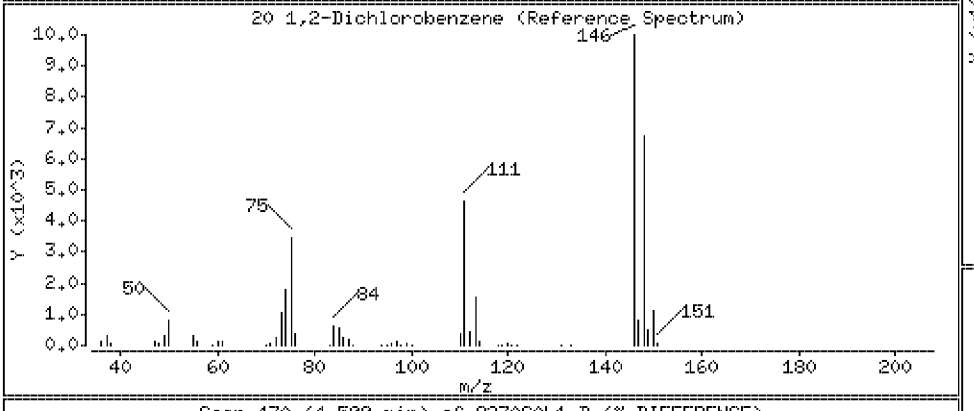
Column diameter: 0.25

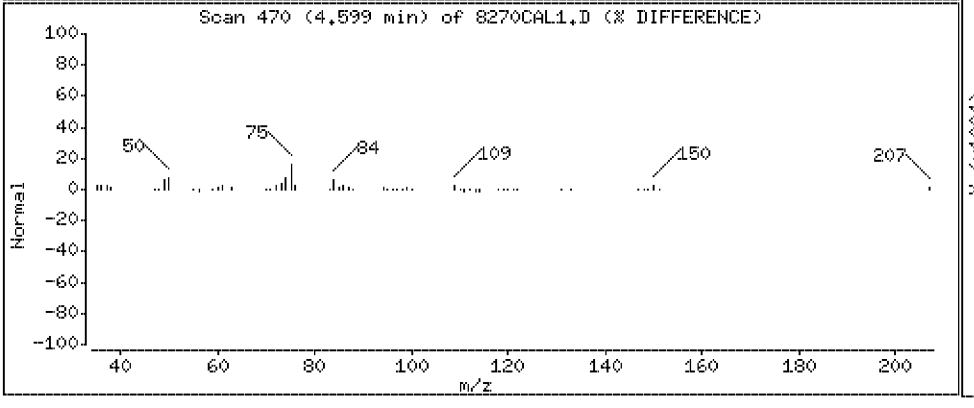
20 1,2-Dichlorobenzene

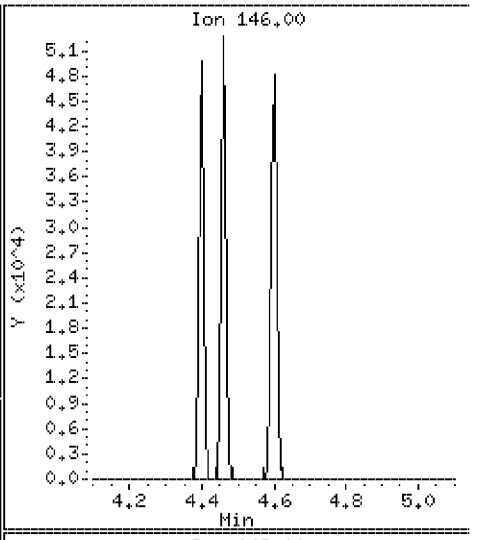
Concentration: 3.8 ug/l

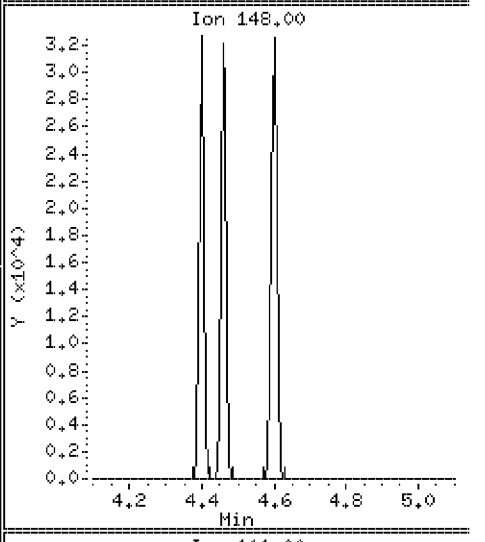


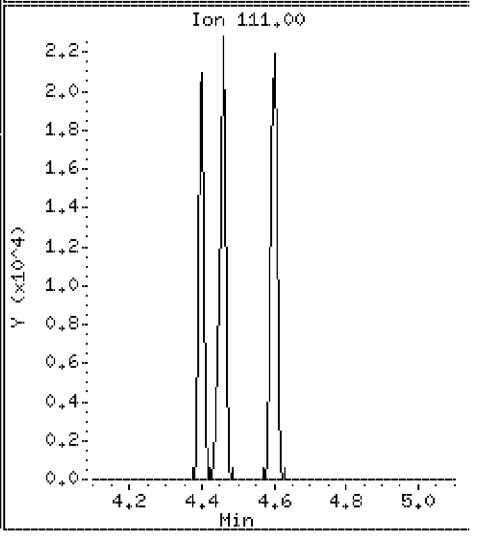












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

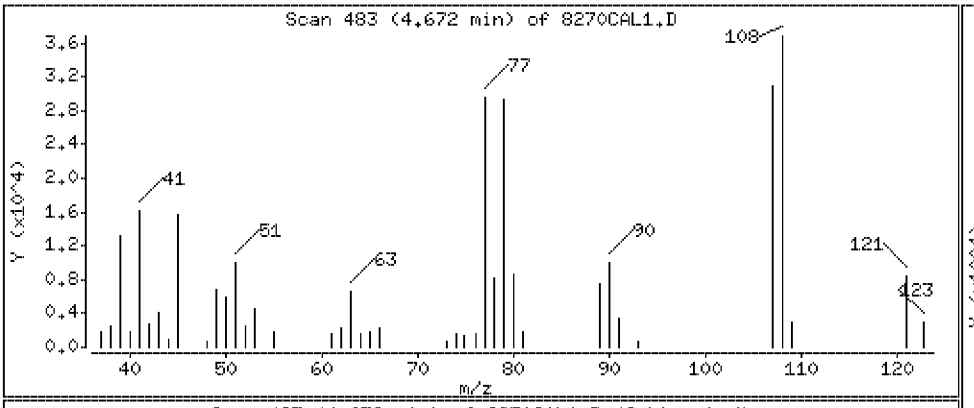
Operator: PEL

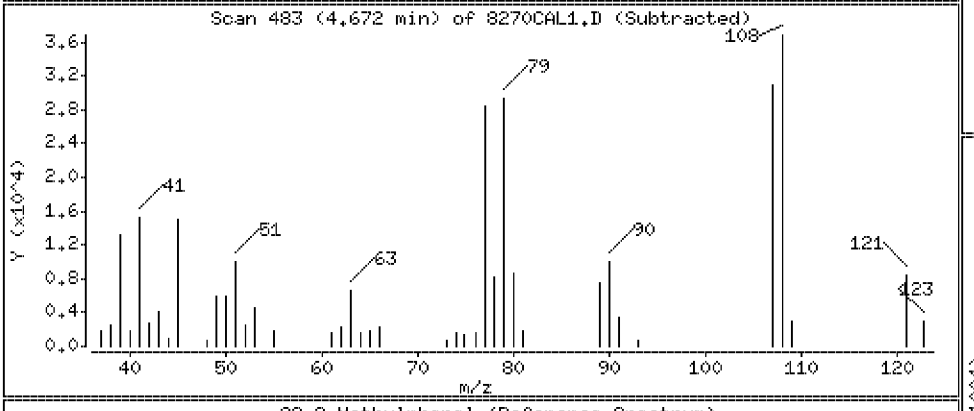
Column phase: HPMS-5

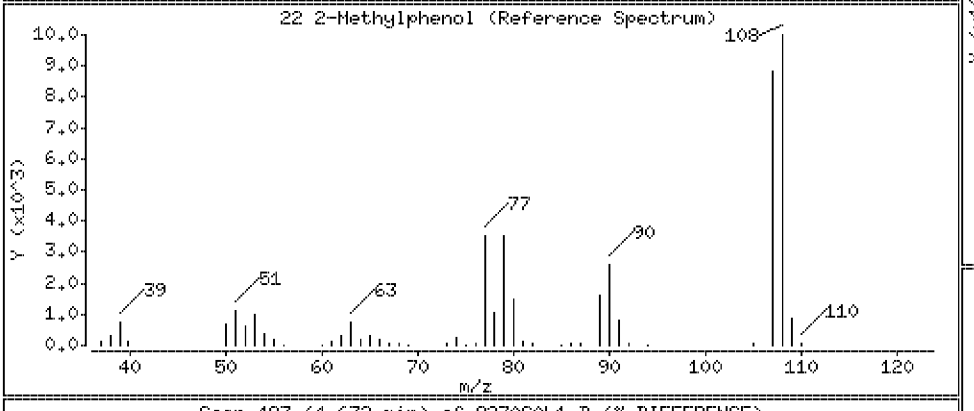
Column diameter: 0.25

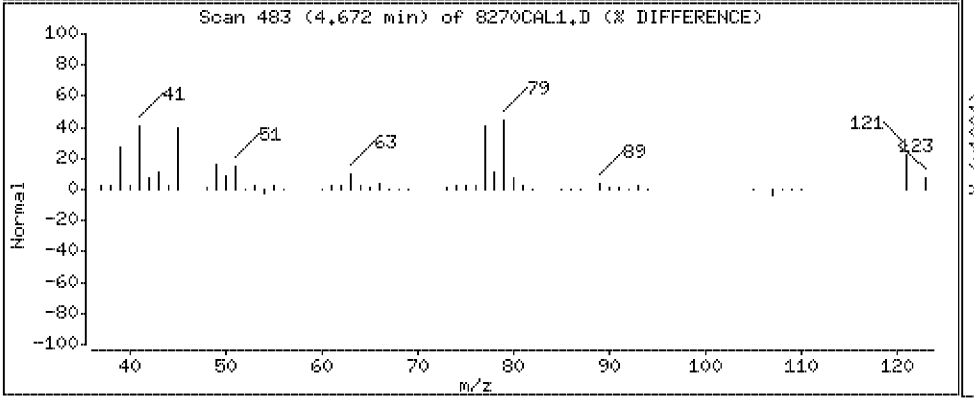
22 2-Methylphenol

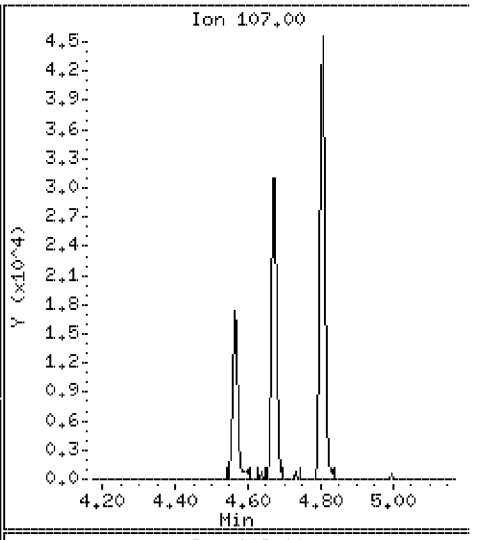
Concentration: 3.6 ug/l

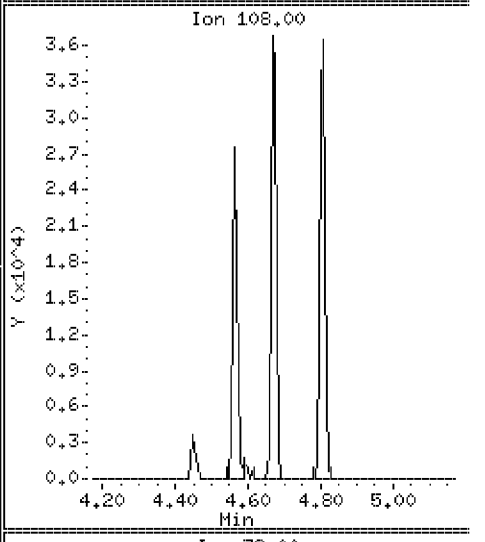


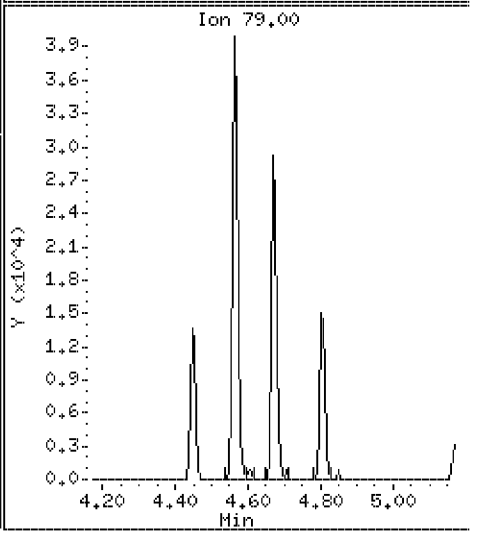












Date : 23-APR-2012 12:45

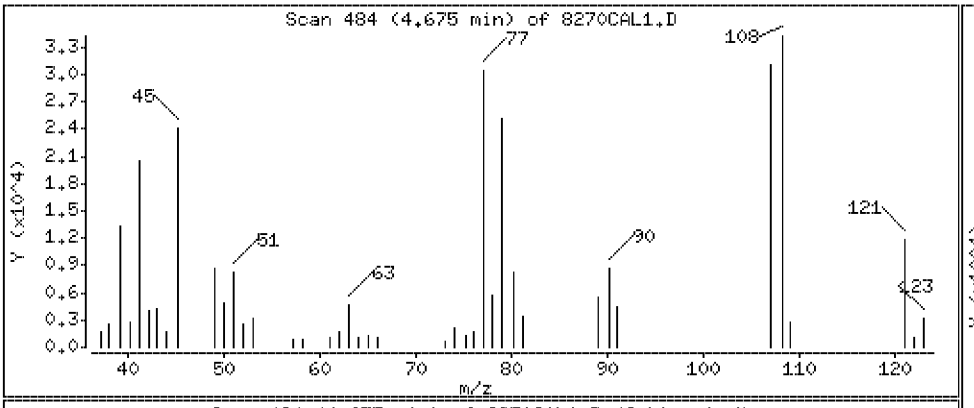
Client ID: 8270CAL1 Instrument: smsd03.i

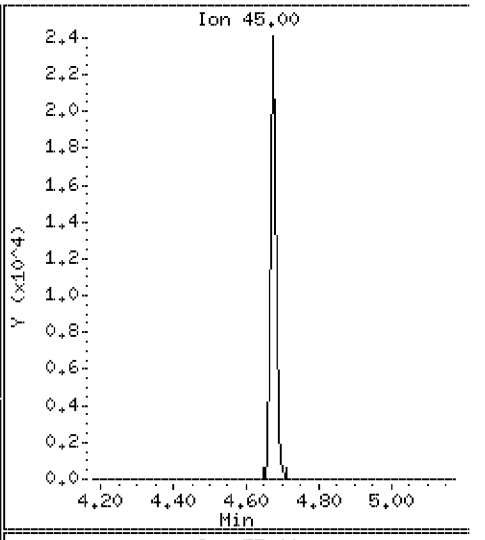
Sample Info: 45927

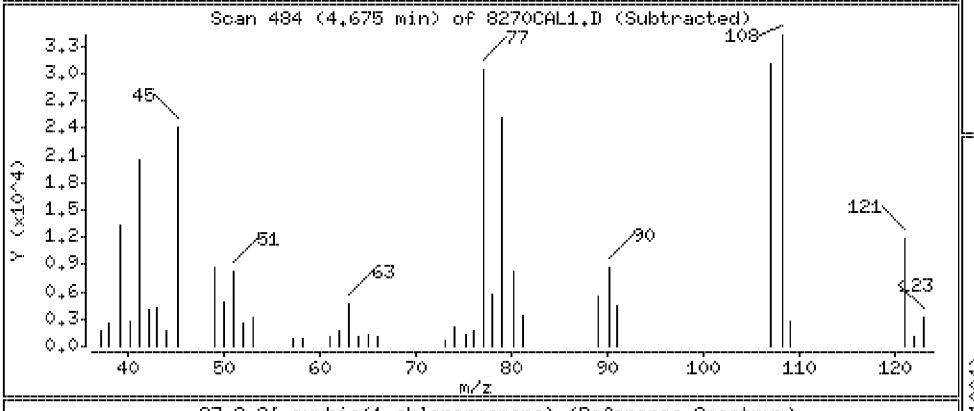
Purge Volume: 1000.0 Operator: PEL

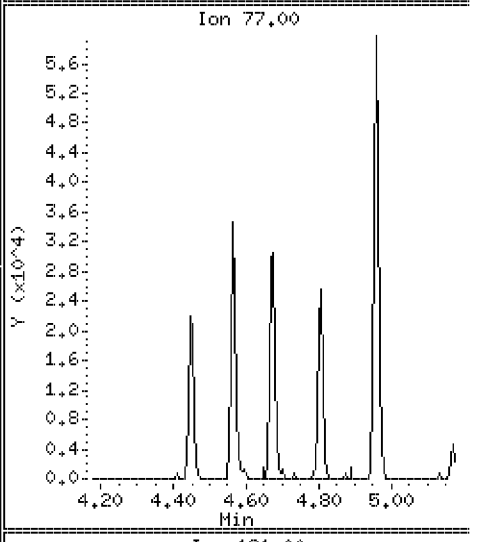
Column phase: HPMS-5 Column diameter: 0.25

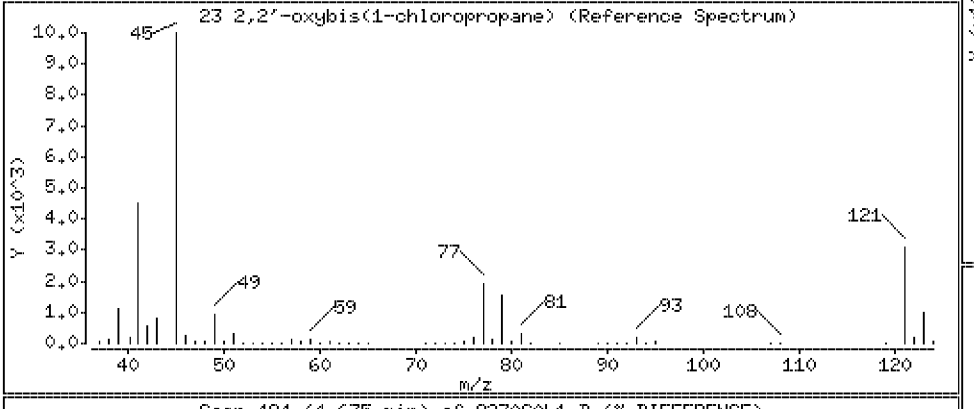
23 2,2'-oxybis(1-chloropropane) Concentration: 4.0 ug/l

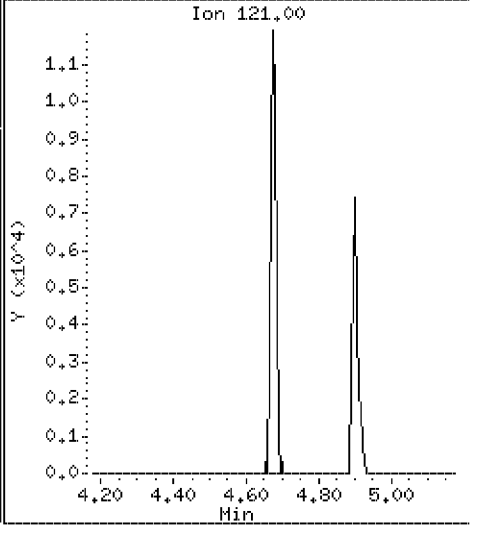


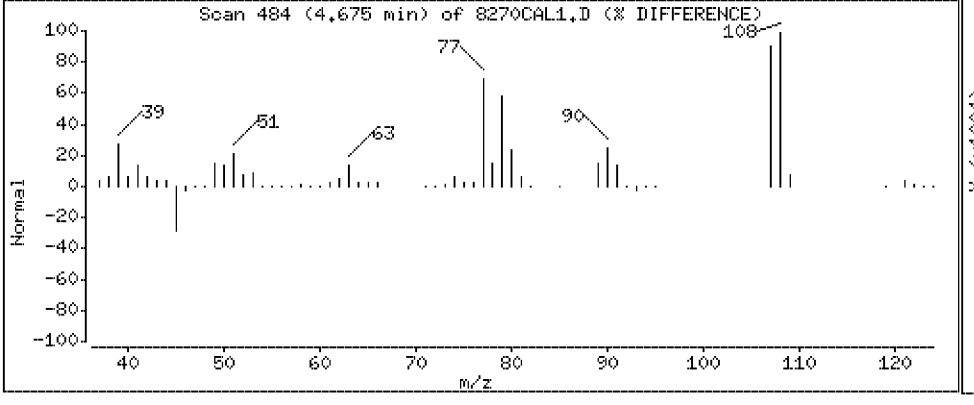












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

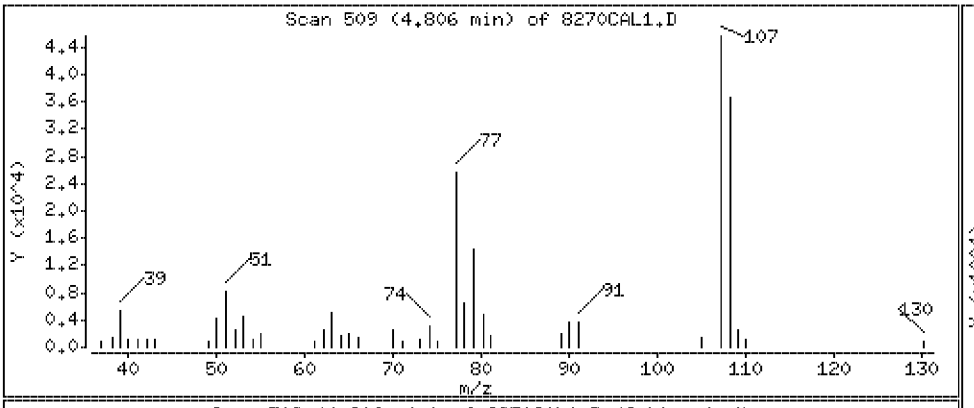
Operator: PEL

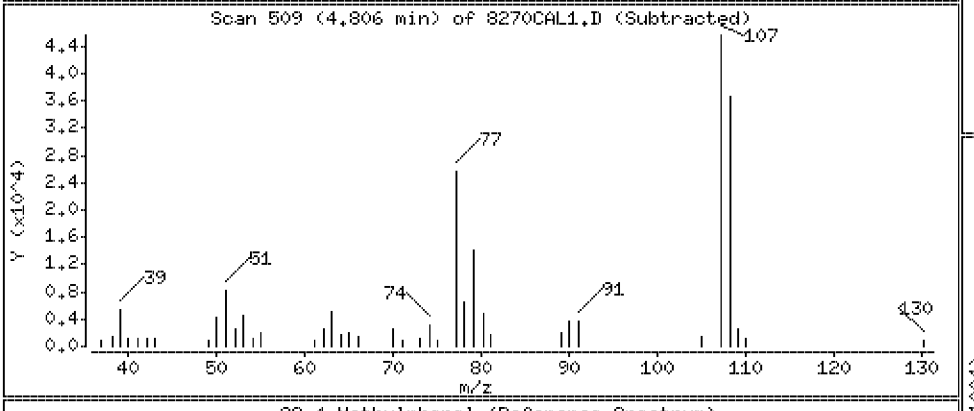
Column phase: HPMS-5

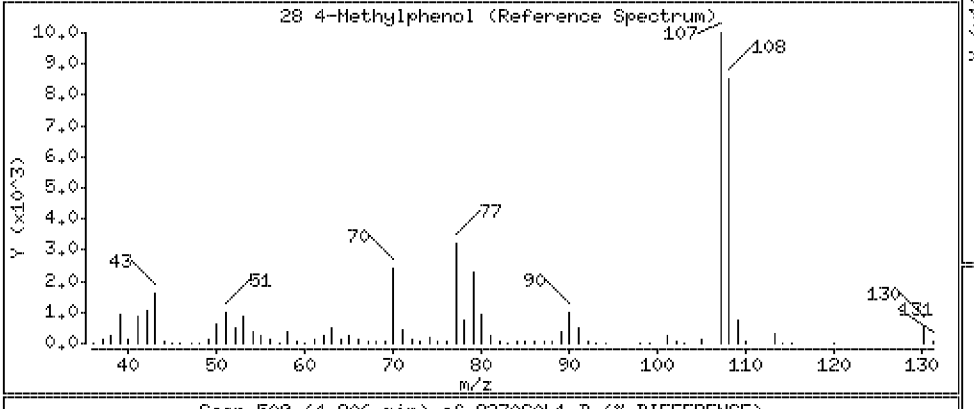
Column diameter: 0.25

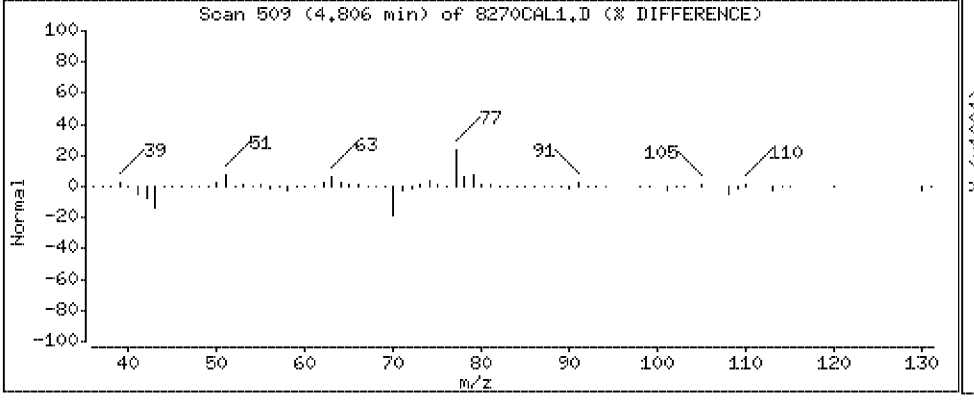
28 4-Methylphenol

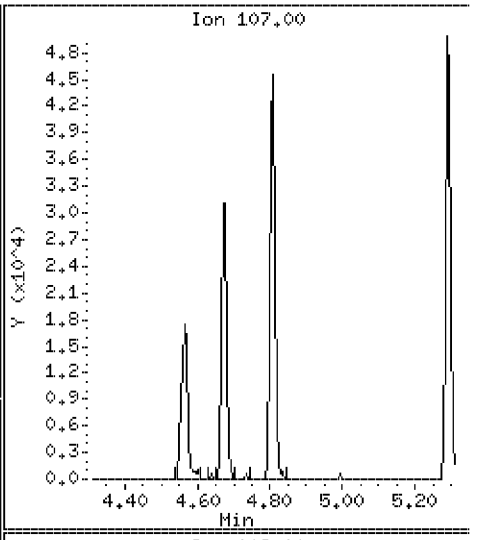
Concentration: 3.6 ug/l

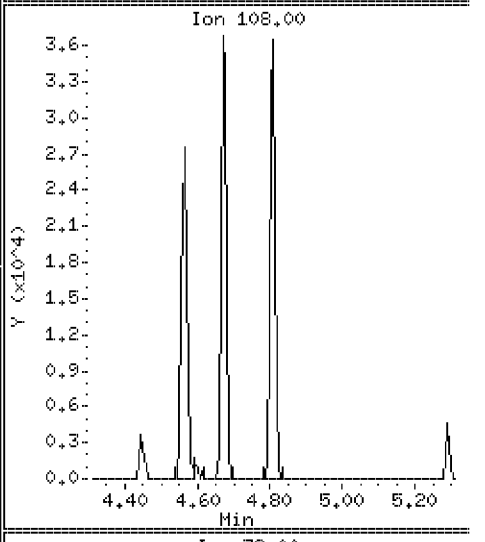


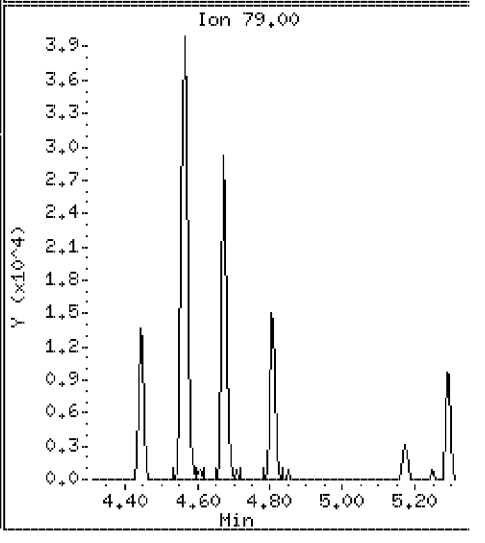












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

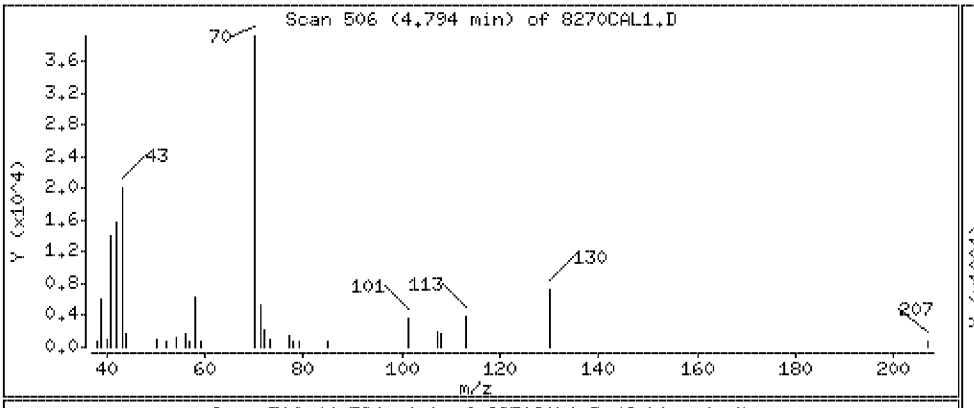
Operator: PEL

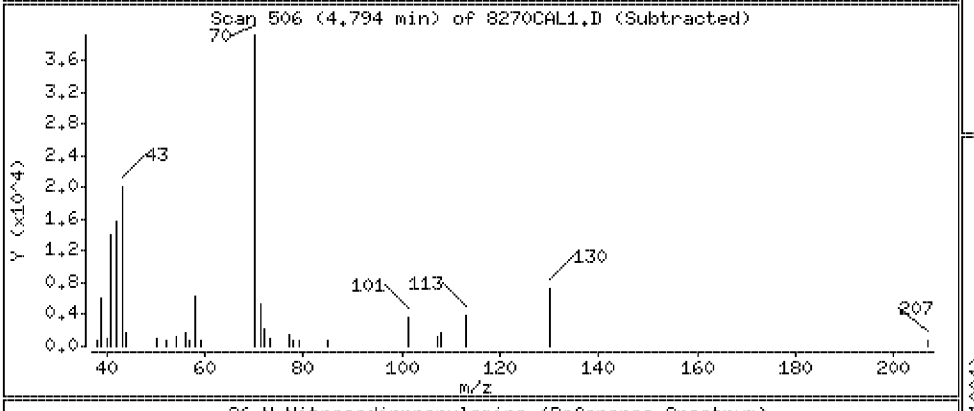
Column phase: HPMS-5

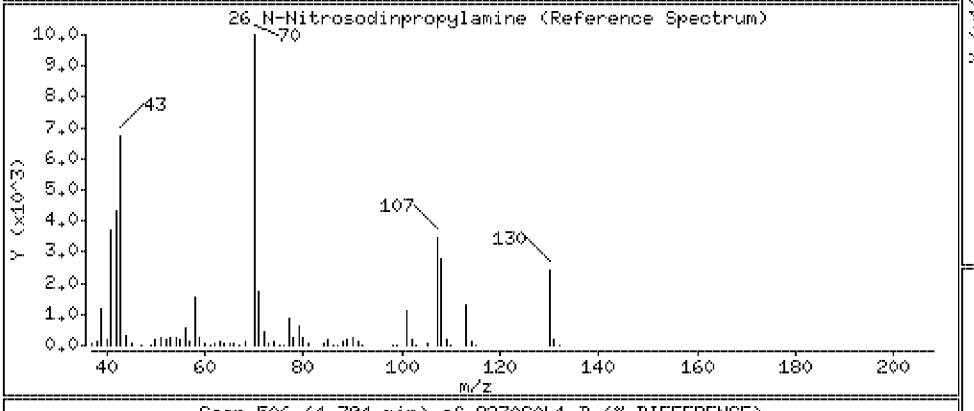
Column diameter: 0.25

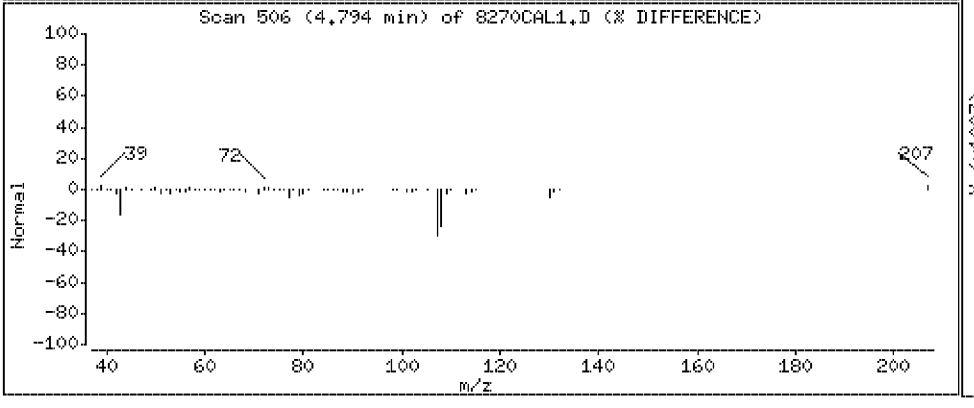
26 N-Nitrosodinpropylamine

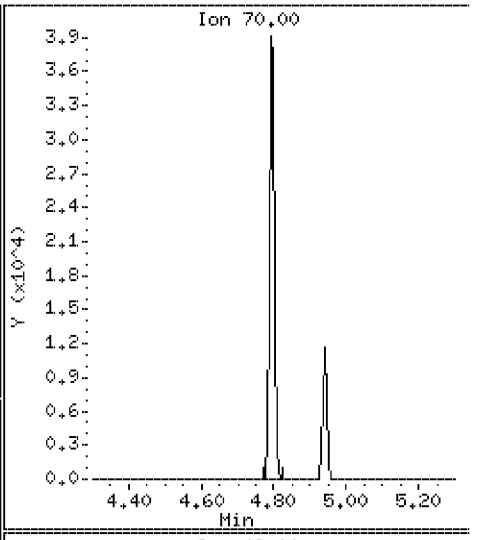
Concentration: 3.8 ug/l

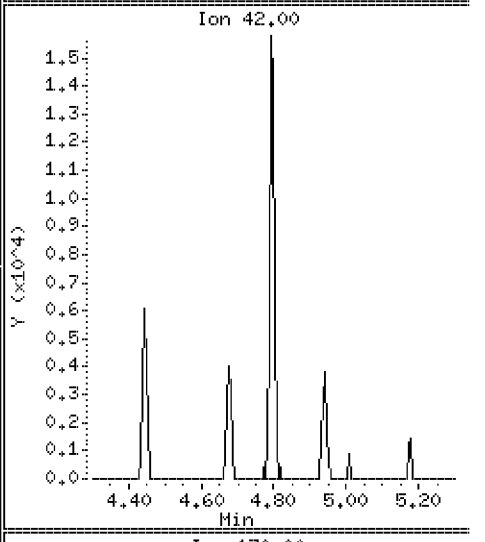


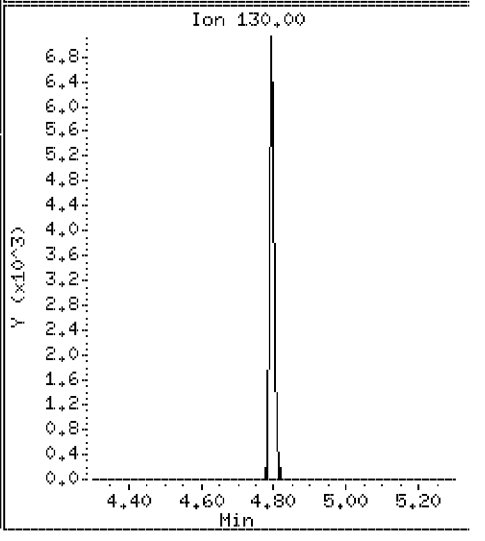












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

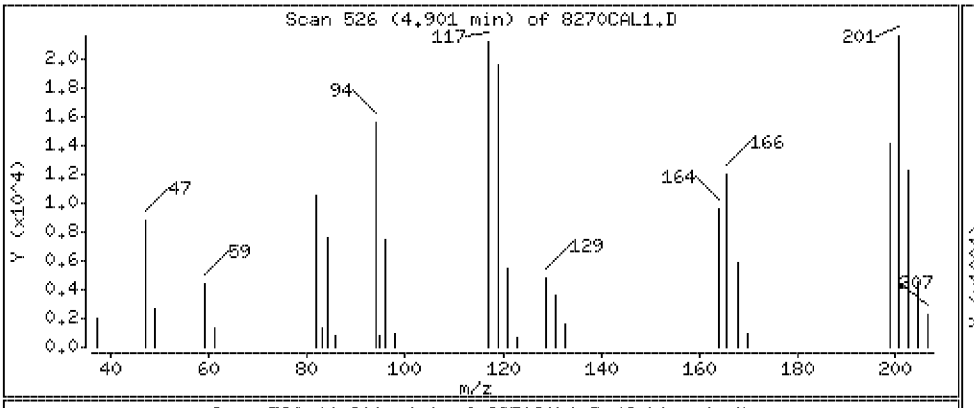
Operator: PEL

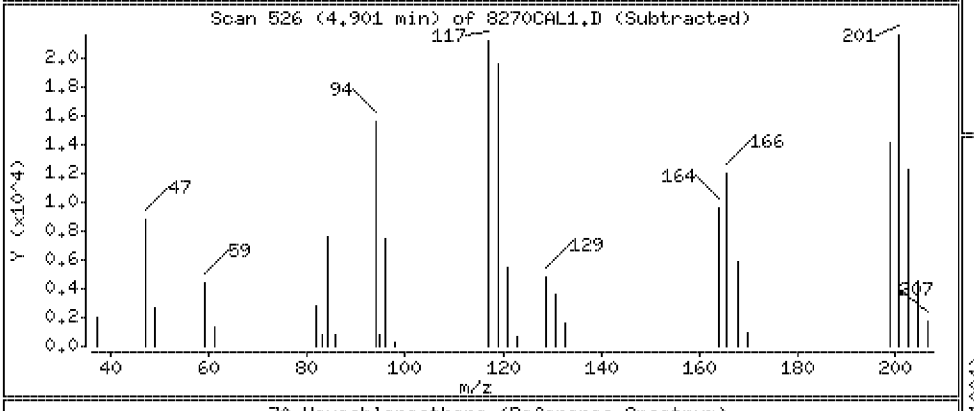
Column phase: HPMS-5

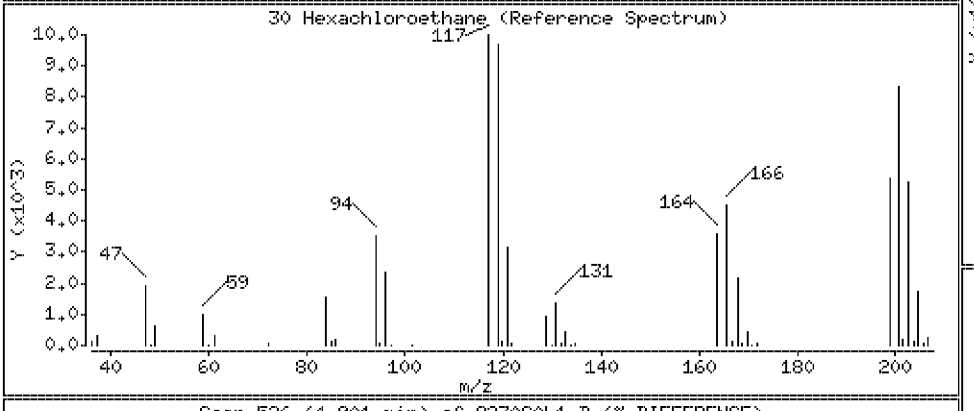
Column diameter: 0.25

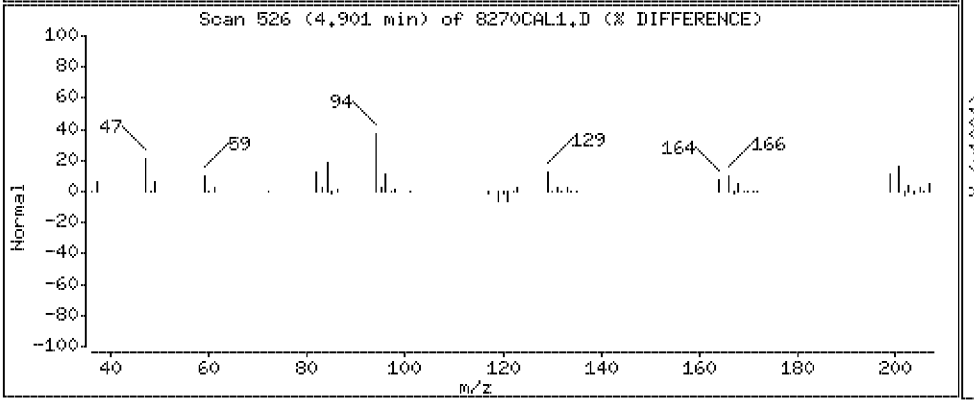
30 Hexachloroethane

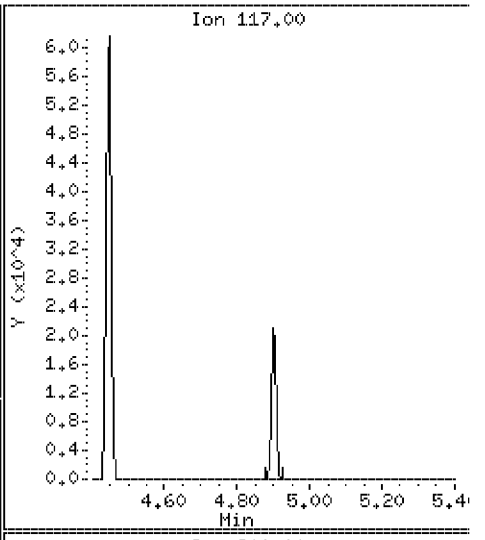
Concentration: 3.9 ug/l

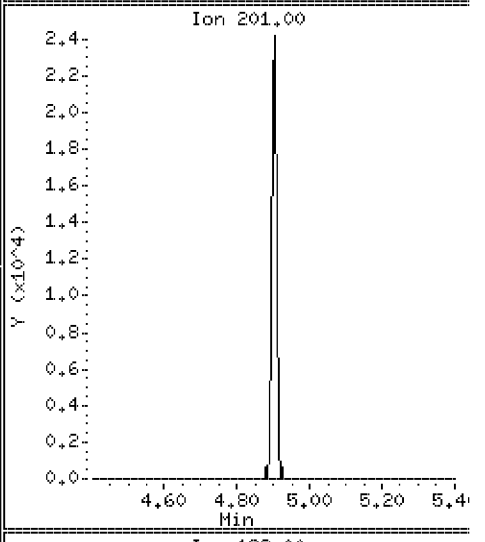


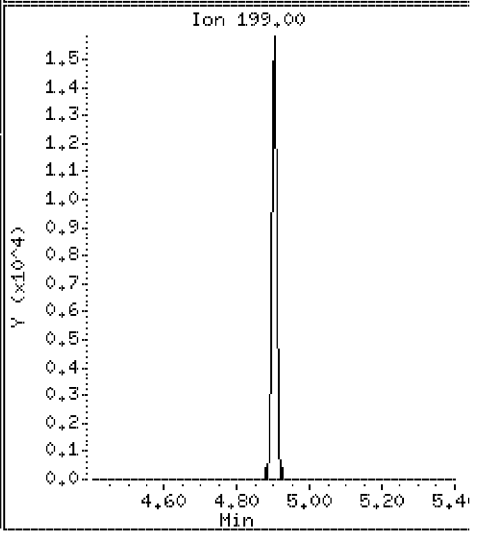












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

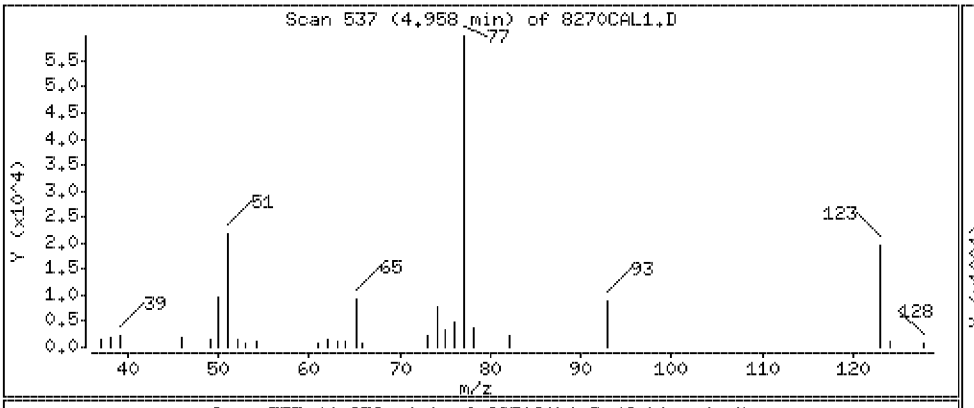
Operator: PEL

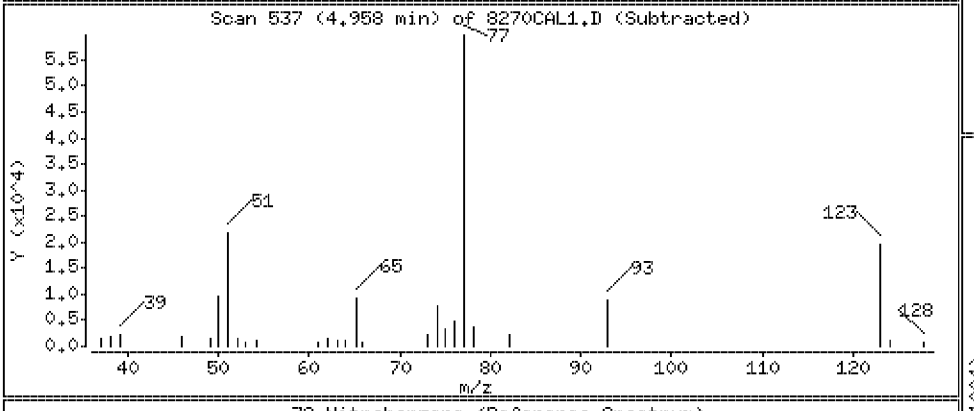
Column phase: HPMS-5

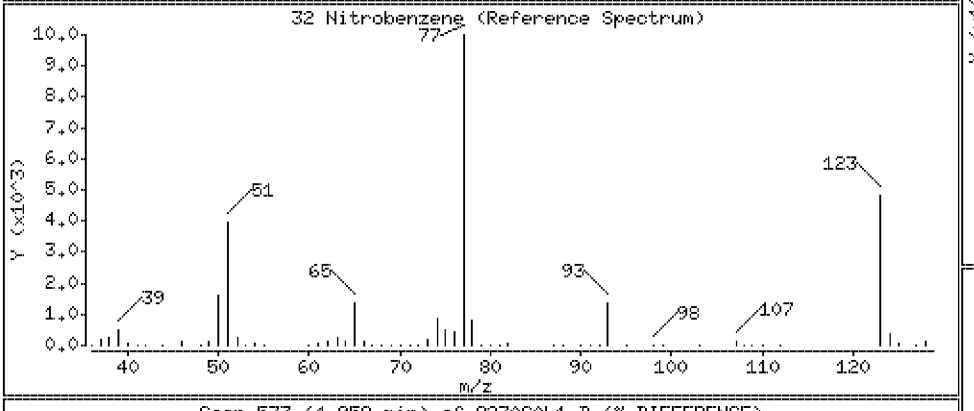
Column diameter: 0.25

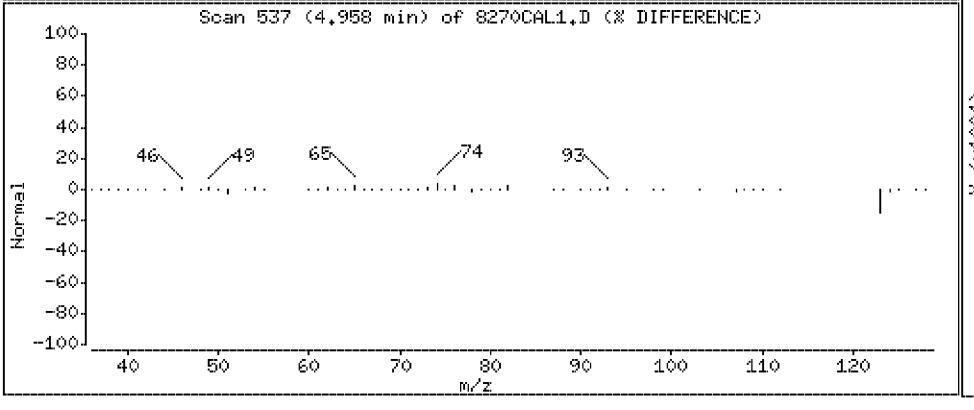
32 Nitrobenzene

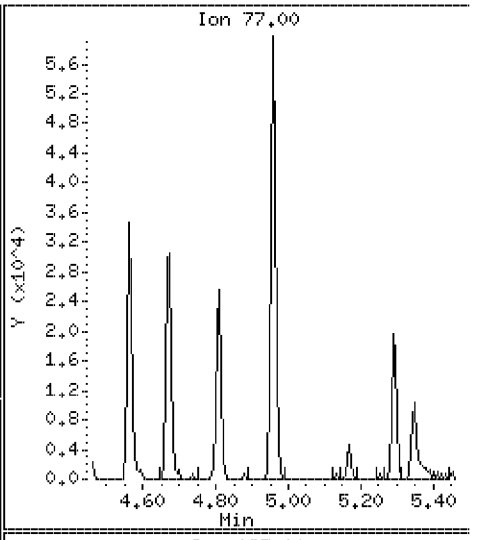
Concentration: 4.0 ug/l

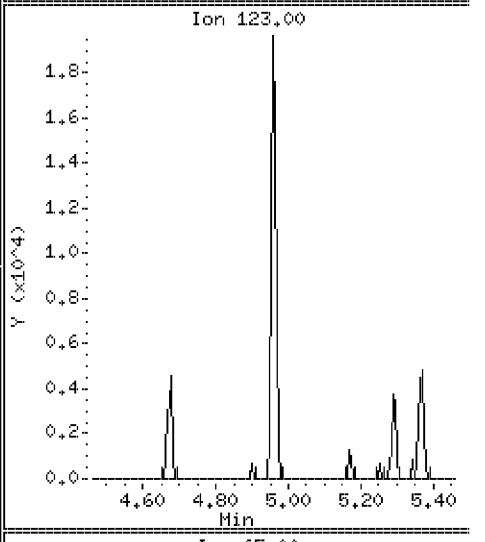


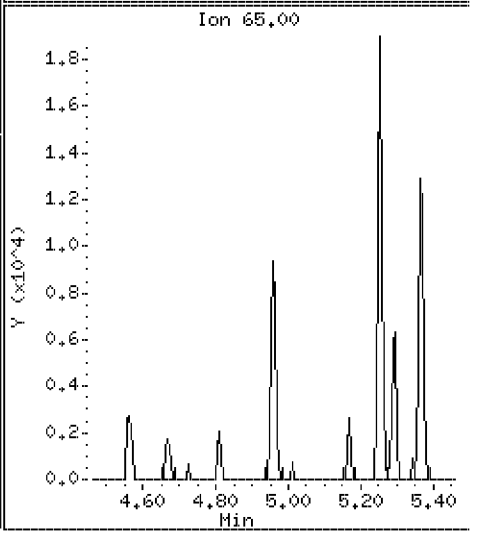












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

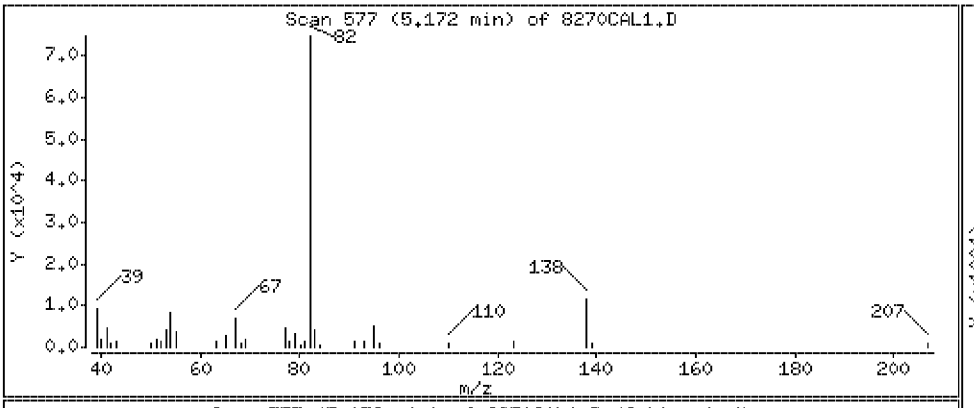
Operator: PEL

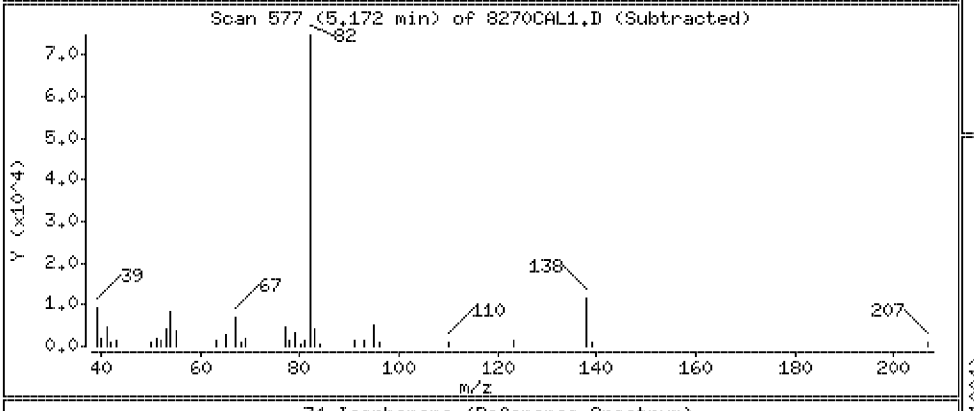
Column phase: HPMS-5

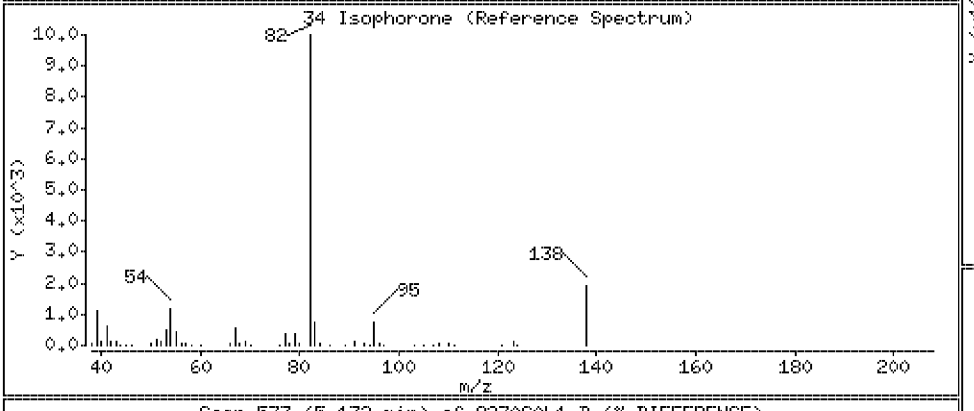
Column diameter: 0.25

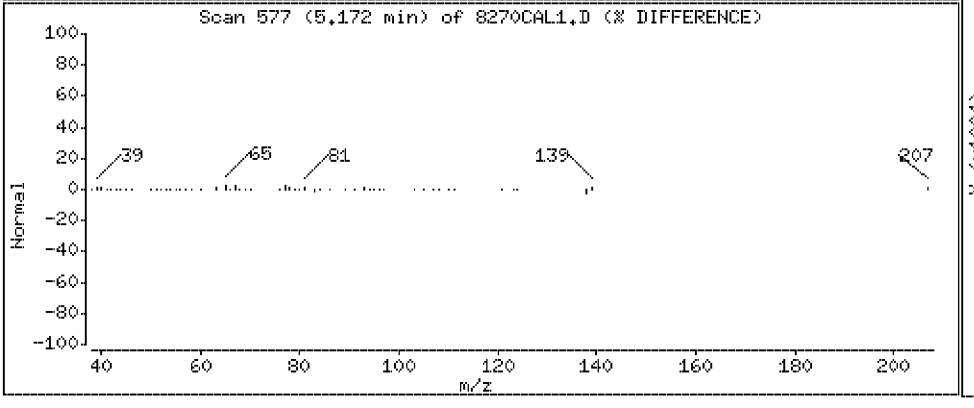
34 Isophorone

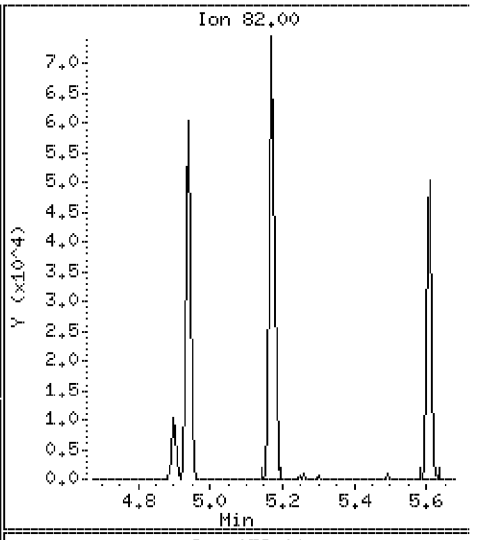
Concentration: 4.2 ug/l

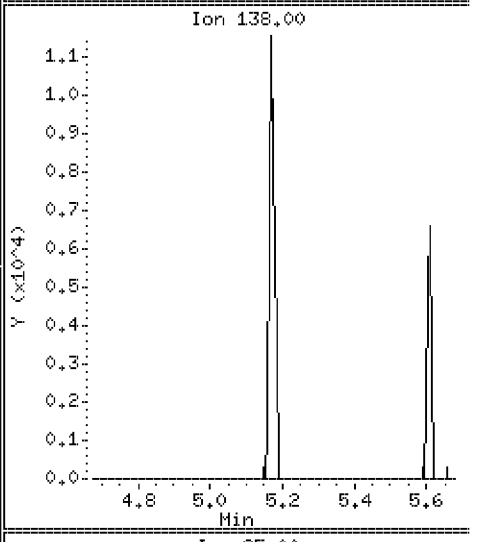


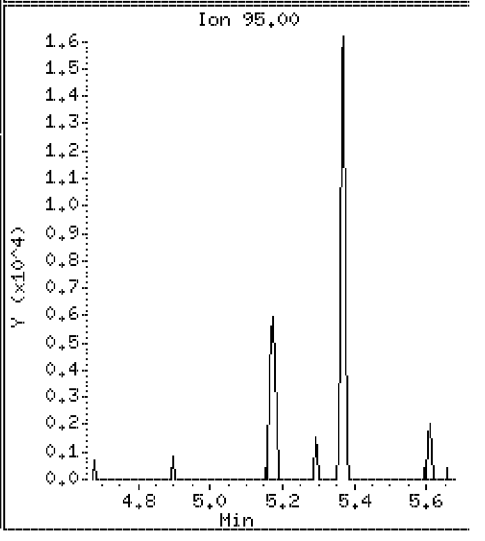












Date : 23-APR-2012 12:45

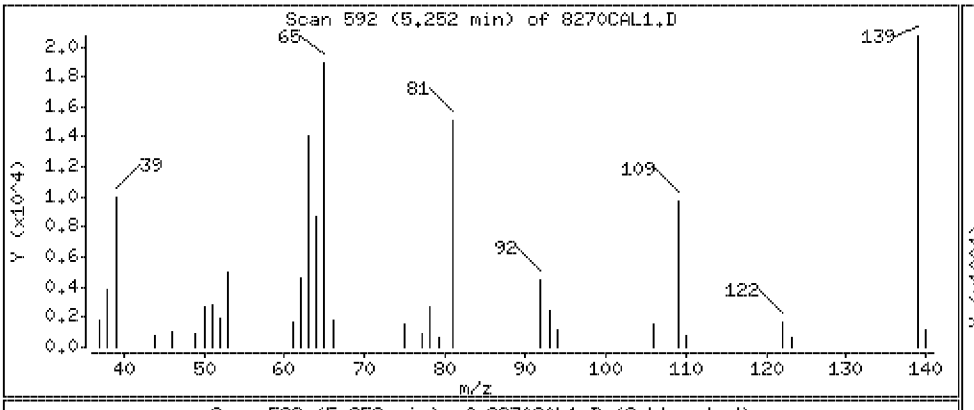
Client ID: 8270CAL1 Instrument: smsd03.i

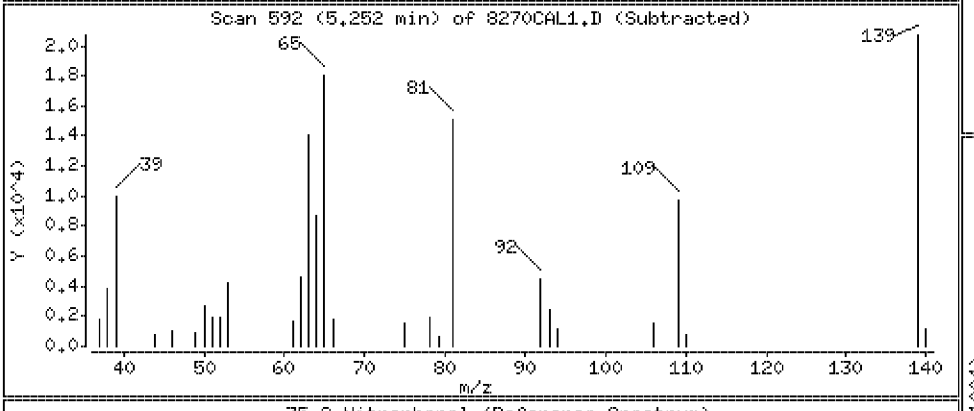
Sample Info: 45927

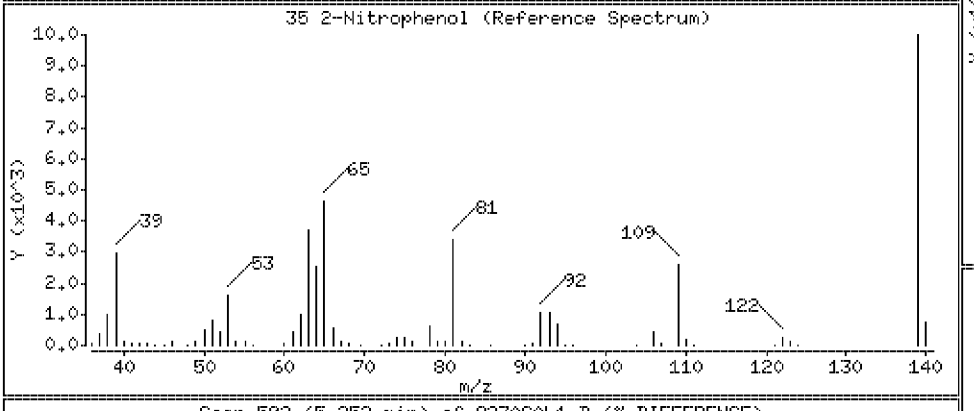
Purge Volume: 1000.0 Operator: PEL

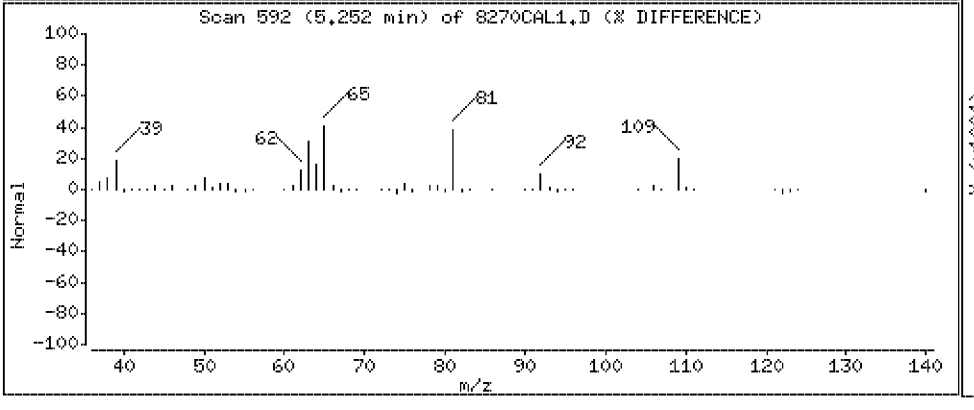
Column phase: HPMS-5 Column diameter: 0.25

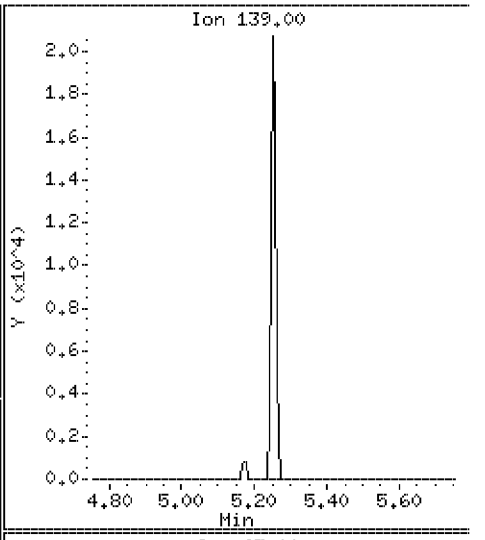
35 2-Nitrophenol Concentration: 3.6 ug/l

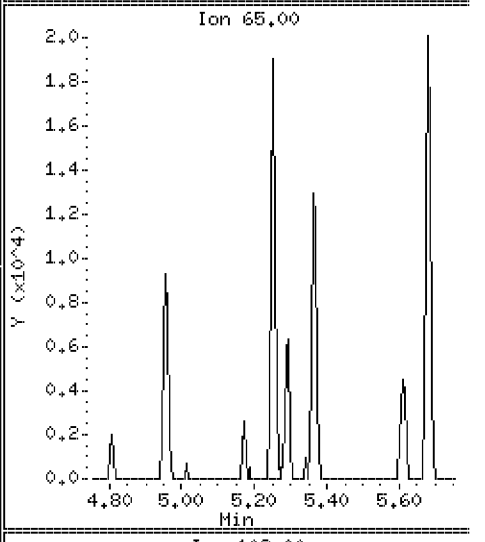


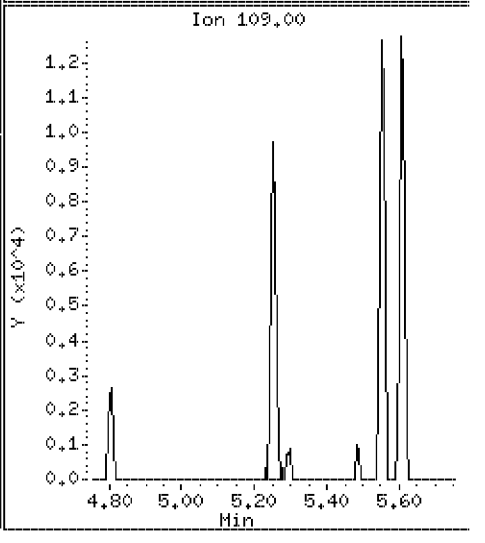












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

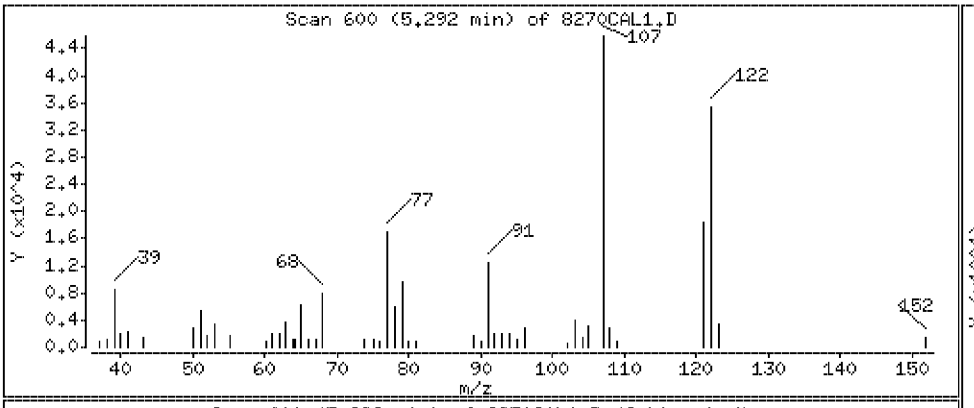
Operator: PEL

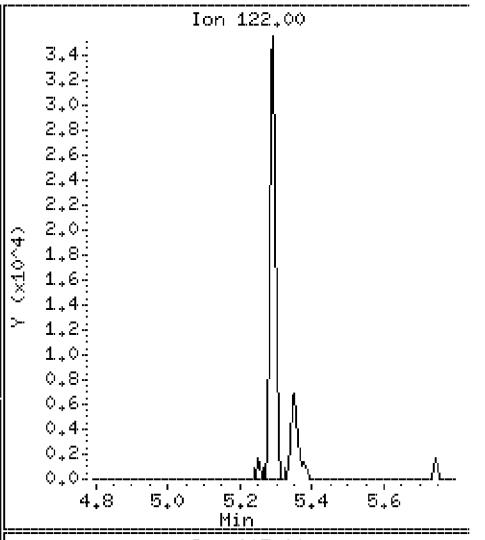
Column phase: HPMS-5

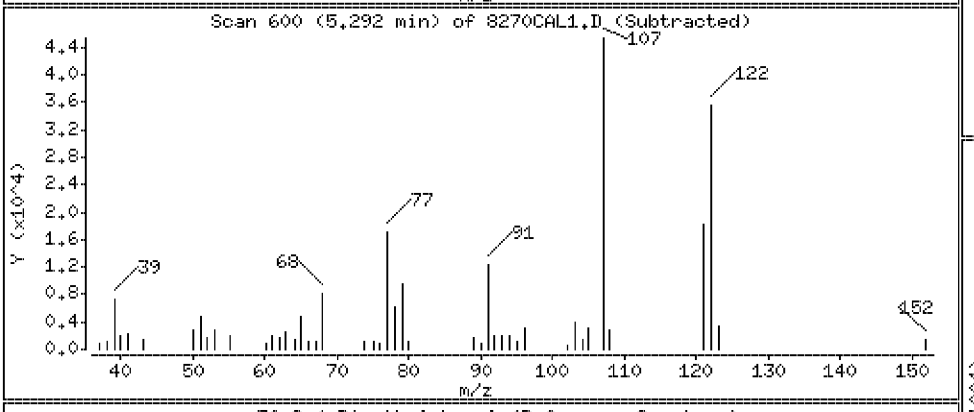
Column diameter: 0.25

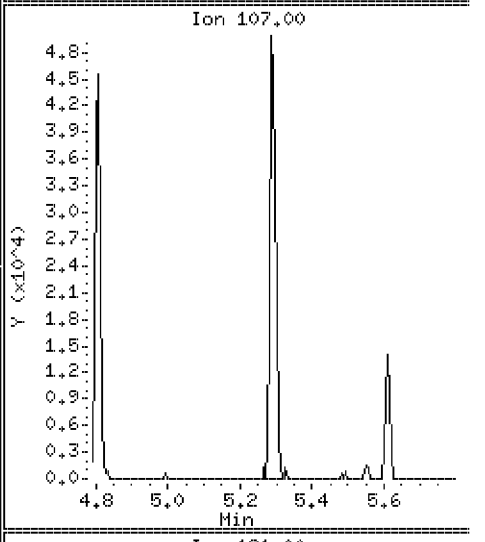
36 2,4-Dimethylphenol

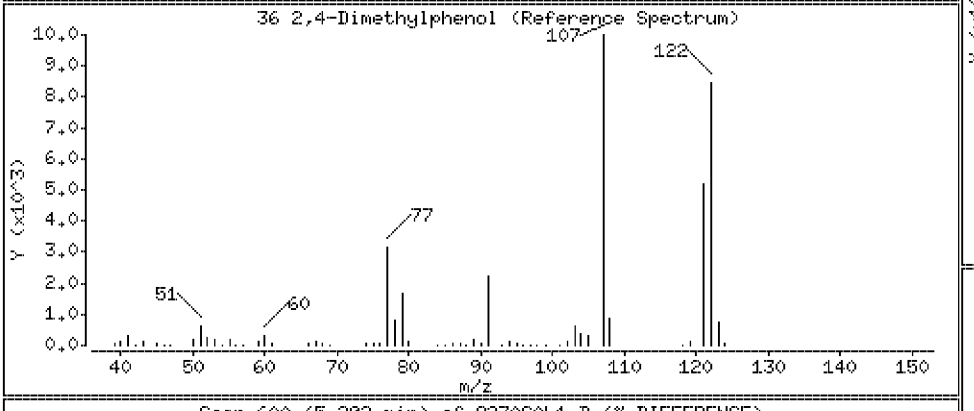
Concentration: 4.0 ug/l

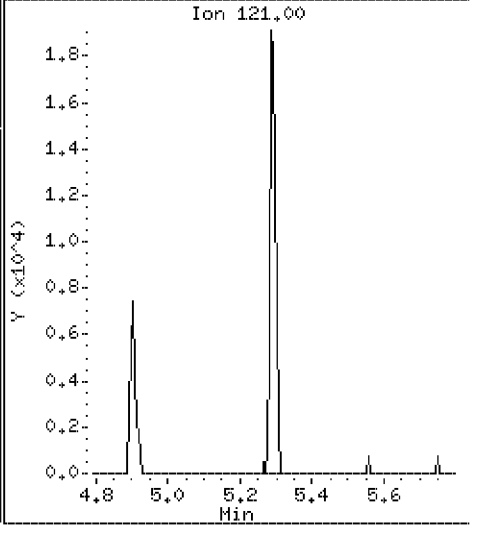


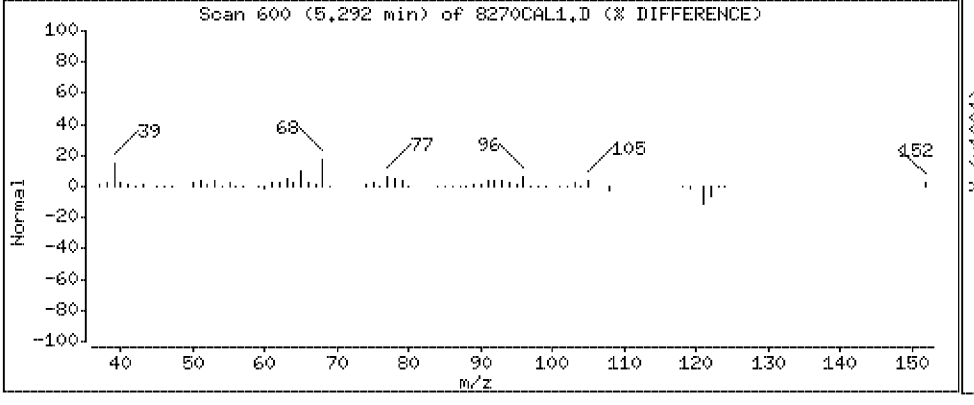












Date : 23-APR-2012 12:45

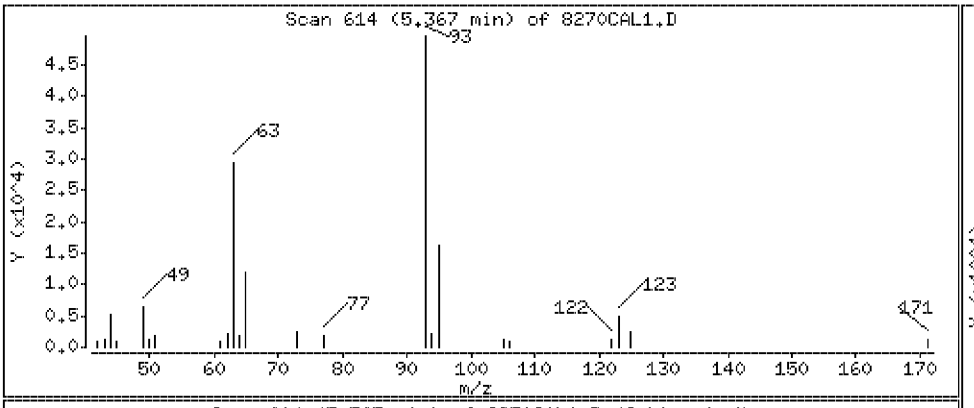
Client ID: 8270CAL1 Instrument: smsd03.i

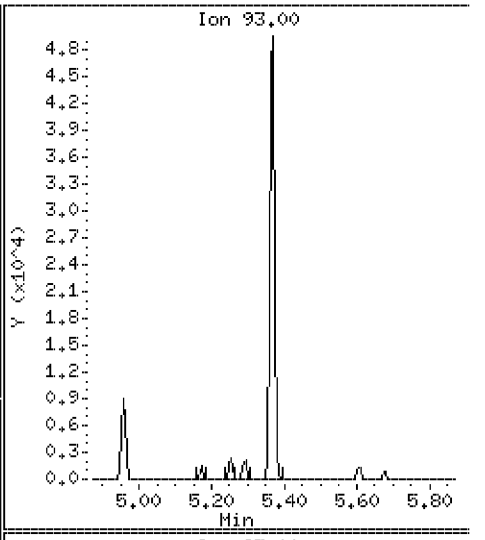
Sample Info: 45927

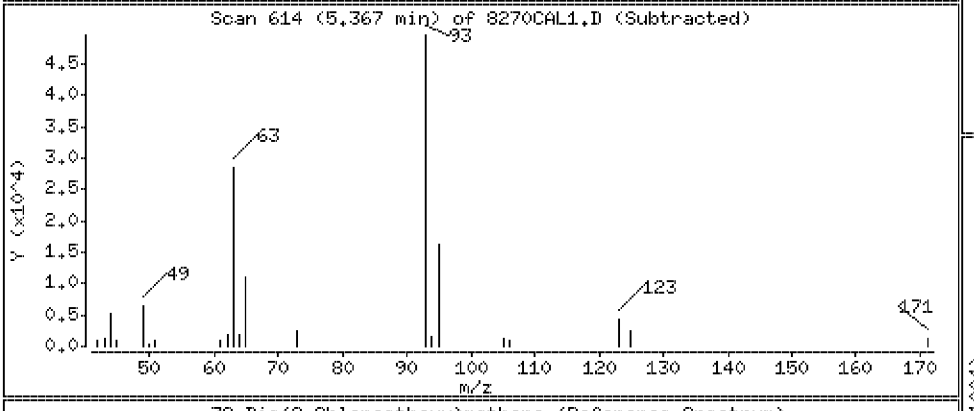
Purge Volume: 1000.0 Operator: PEL

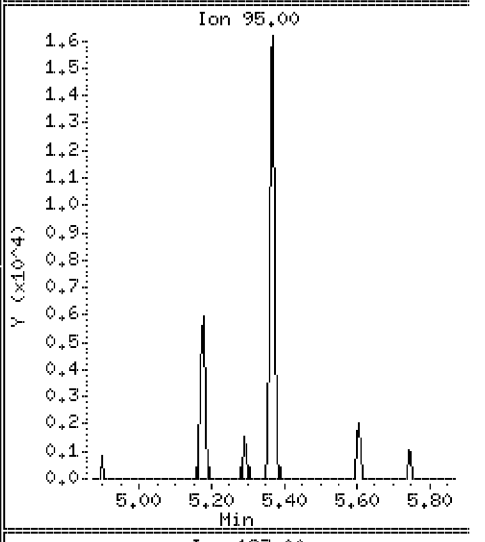
Column phase: HPMS-5 Column diameter: 0.25

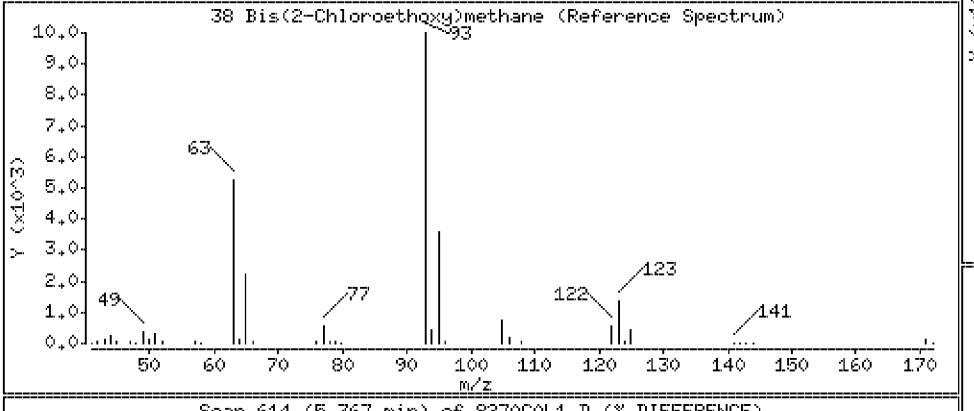
38 Bis(2-Chloroethoxy)methane Concentration: 3.9 ug/l

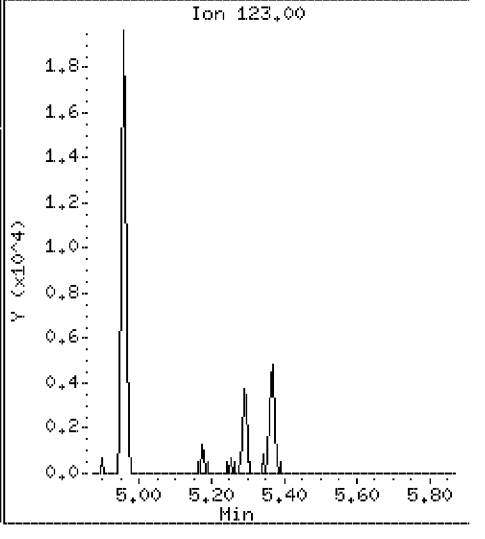


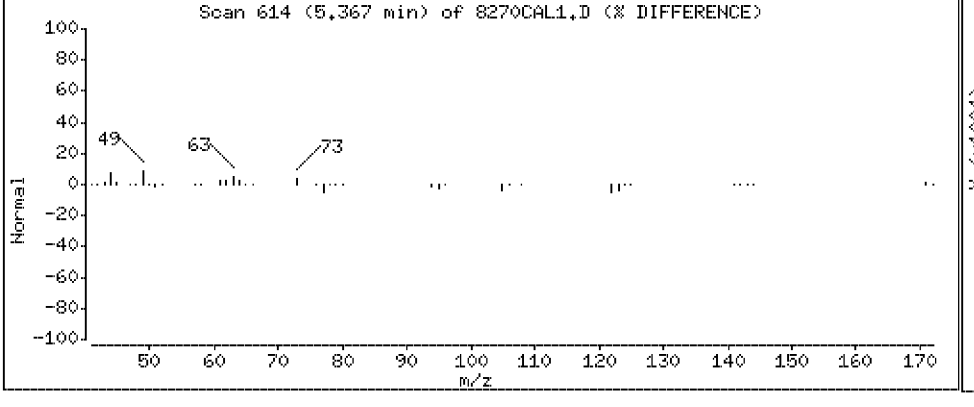












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

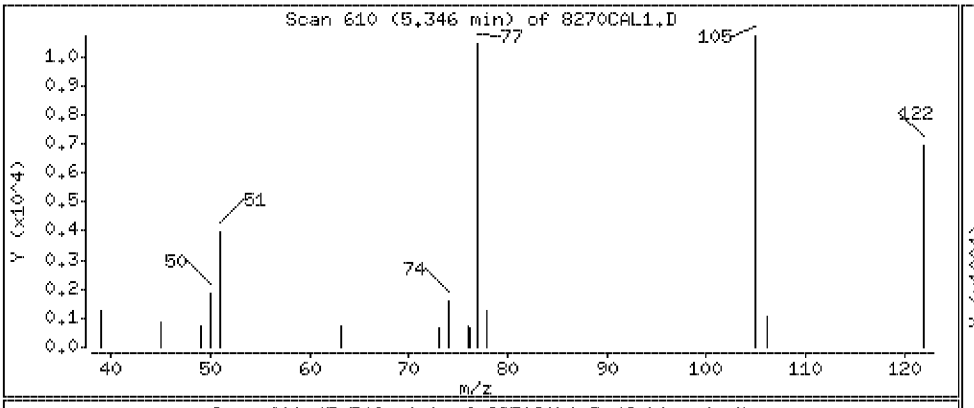
Operator: PEL

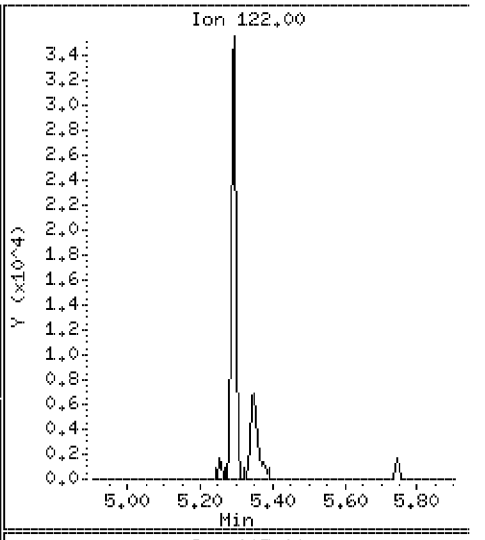
Column phase: HPMS-5

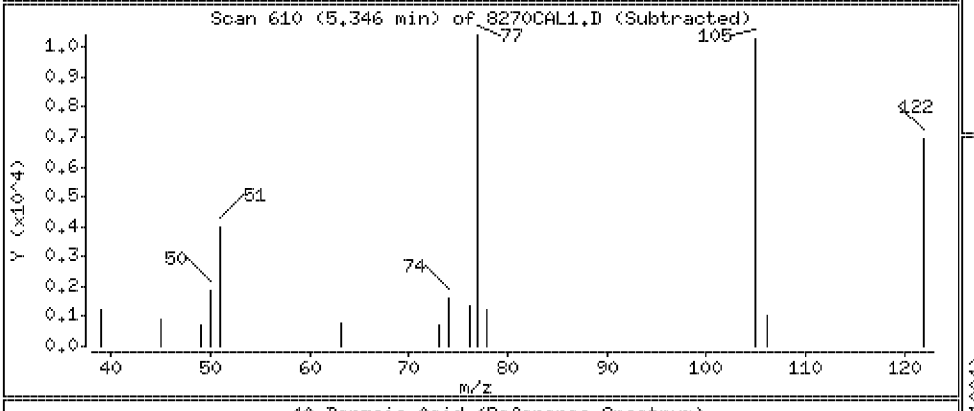
Column diameter: 0.25

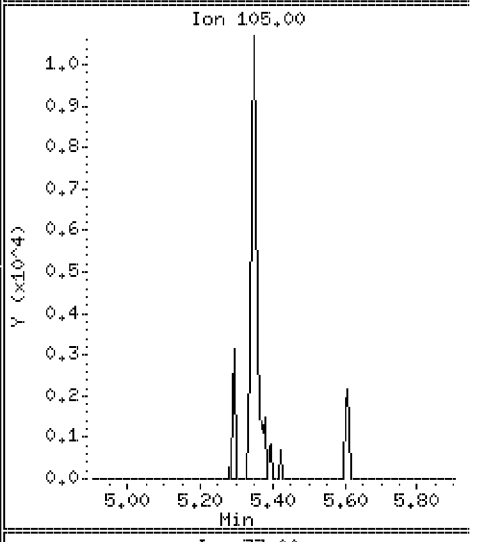
40 Benzoic Acid

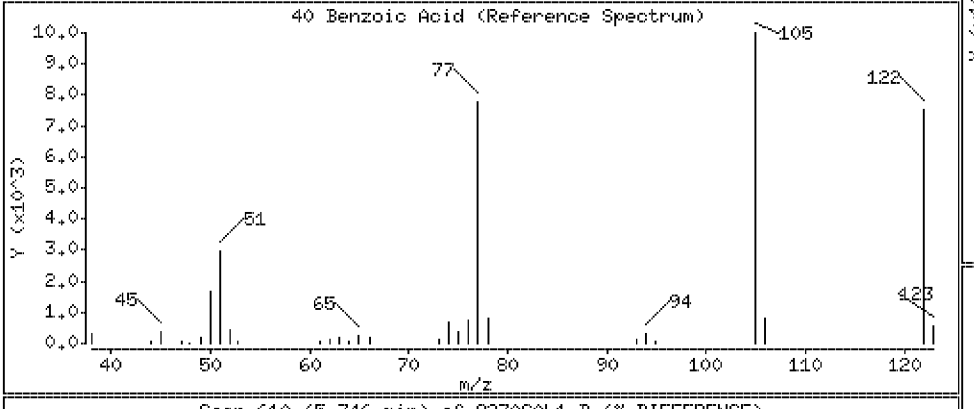
Concentration: 5.9 ug/l

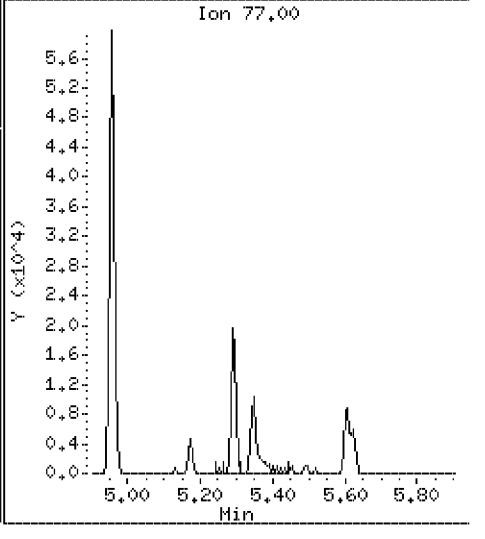


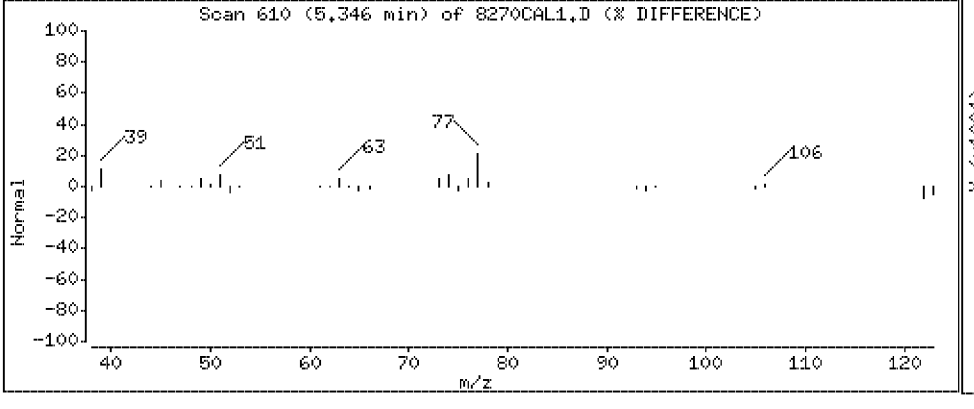












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

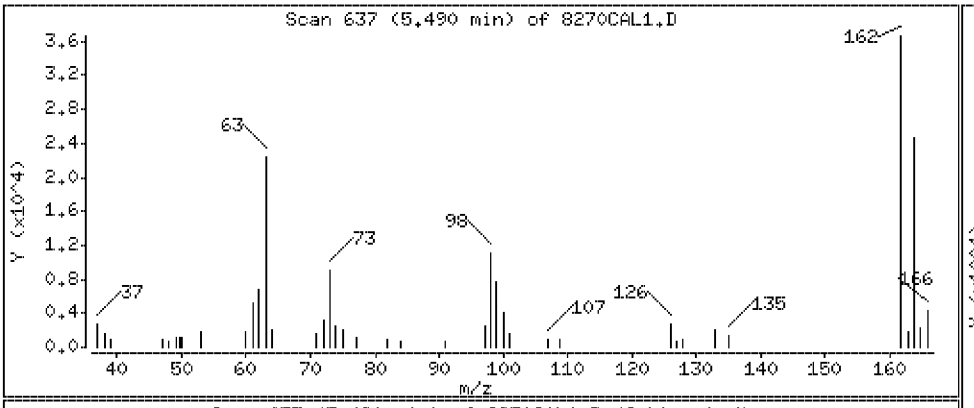
Operator: PEL

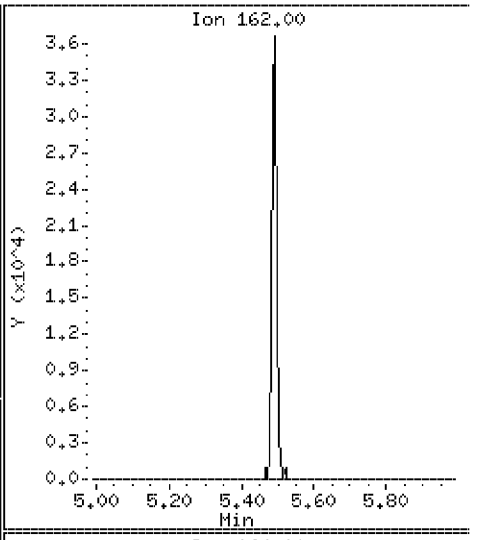
Column phase: HPMS-5

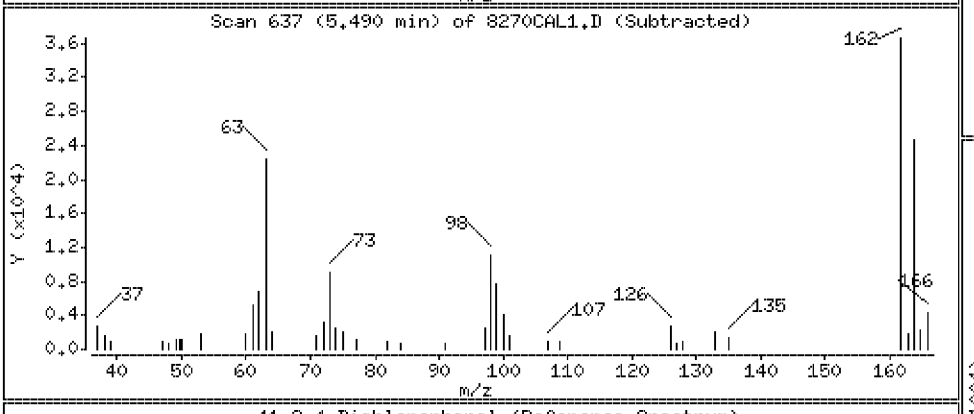
Column diameter: 0.25

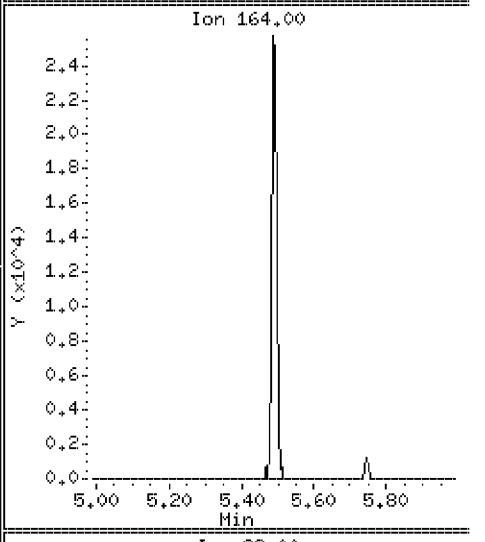
41 2,4-Dichlorophenol

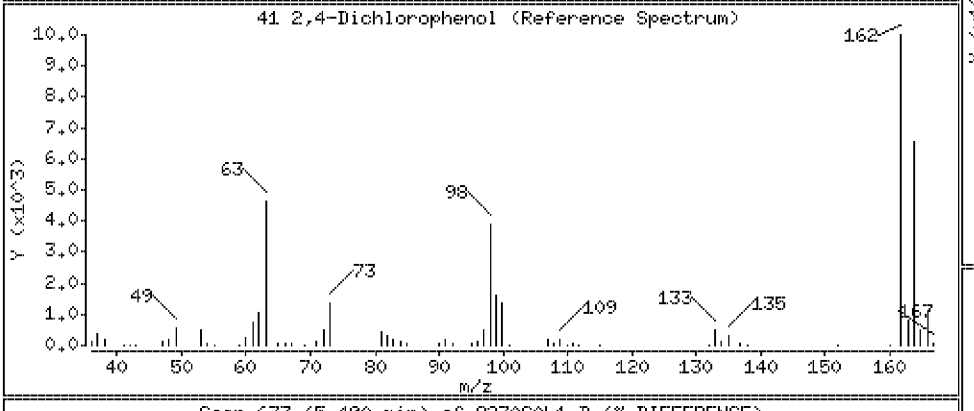
Concentration: 3.6 ug/l

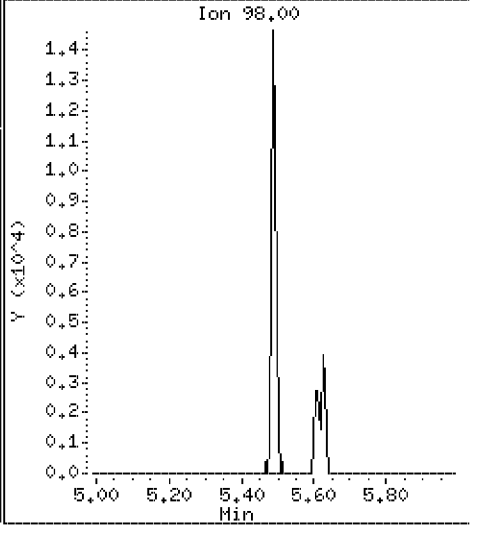


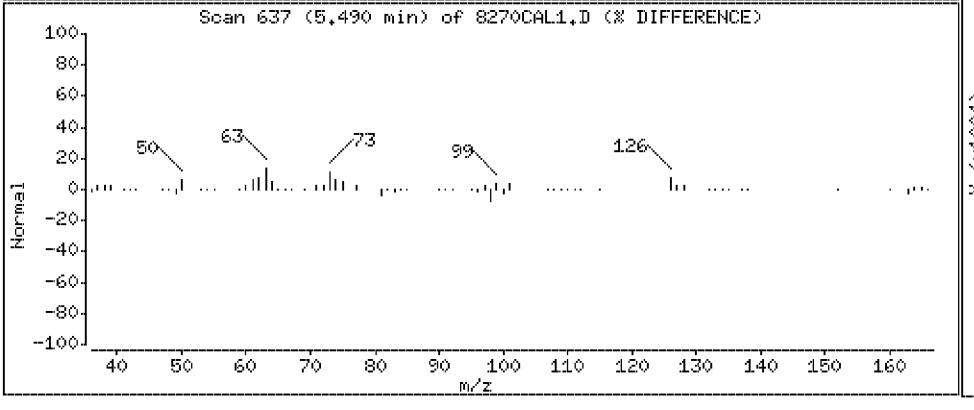












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

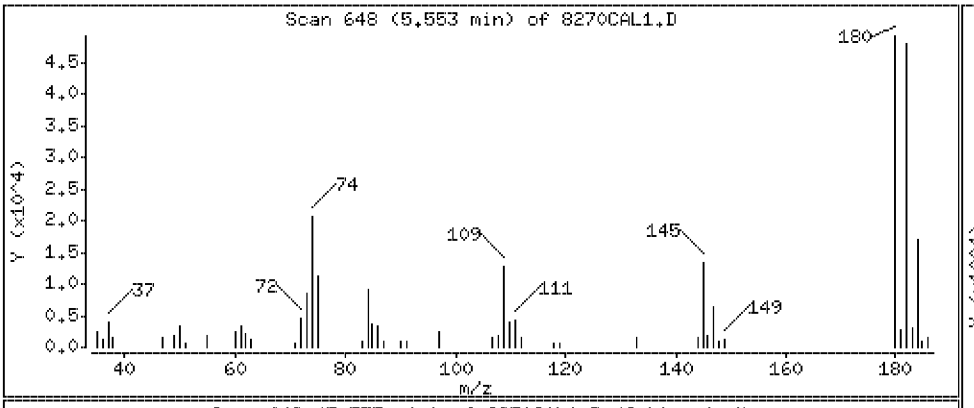
Operator: PEL

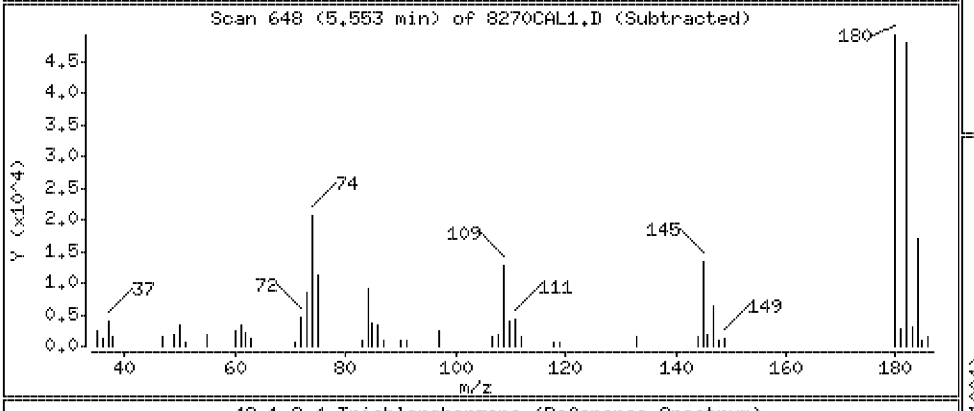
Column phase: HPMS-5

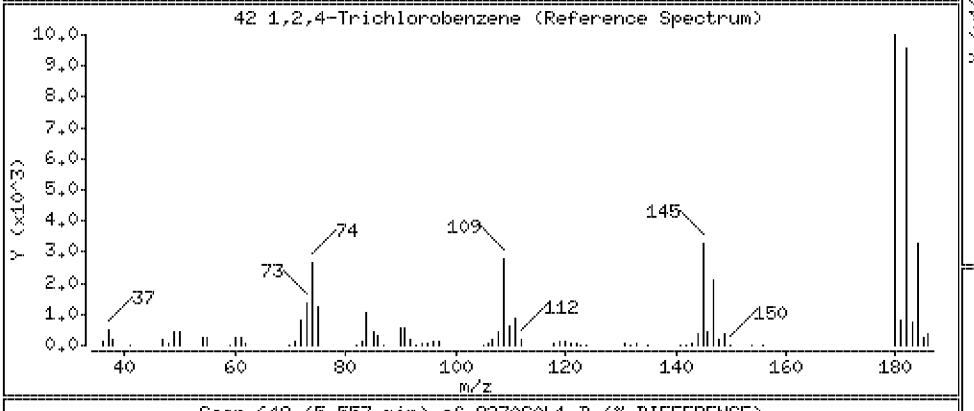
Column diameter: 0.25

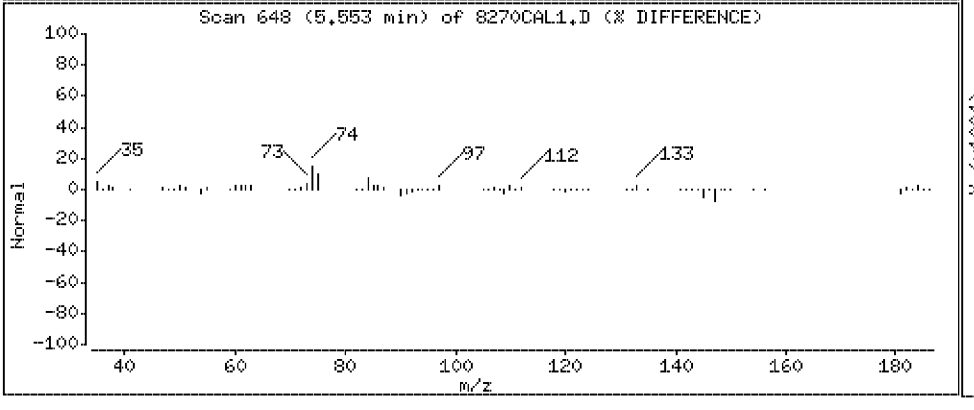
42 1,2,4-Trichlorobenzene

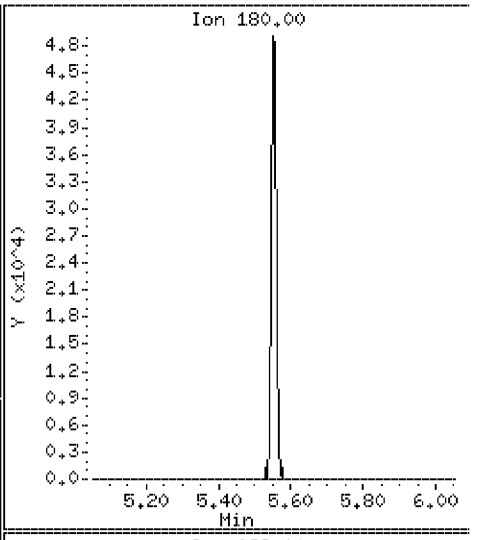
Concentration: 4.0 ug/l

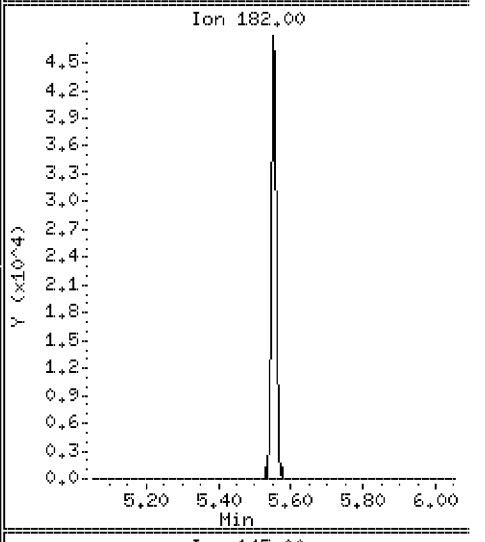


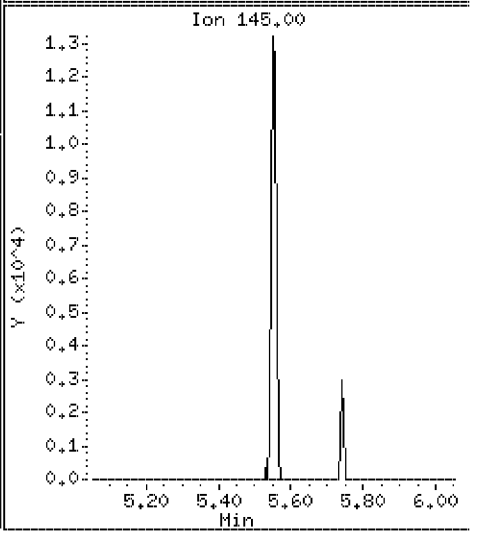












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

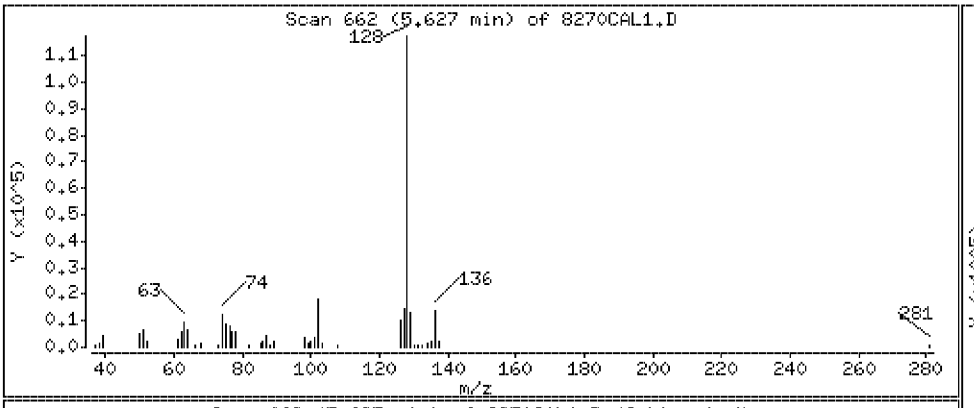
Operator: PEL

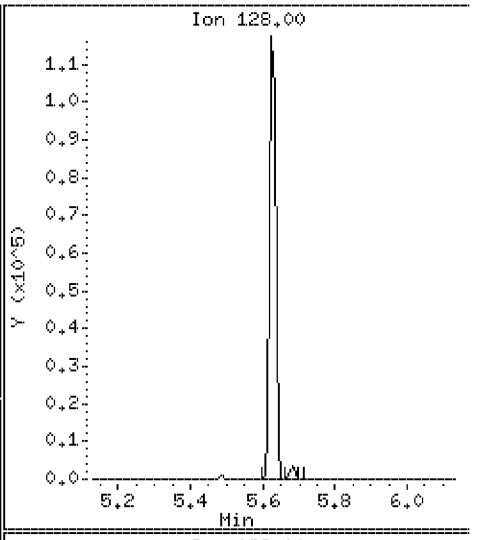
Column phase: HPMS-5

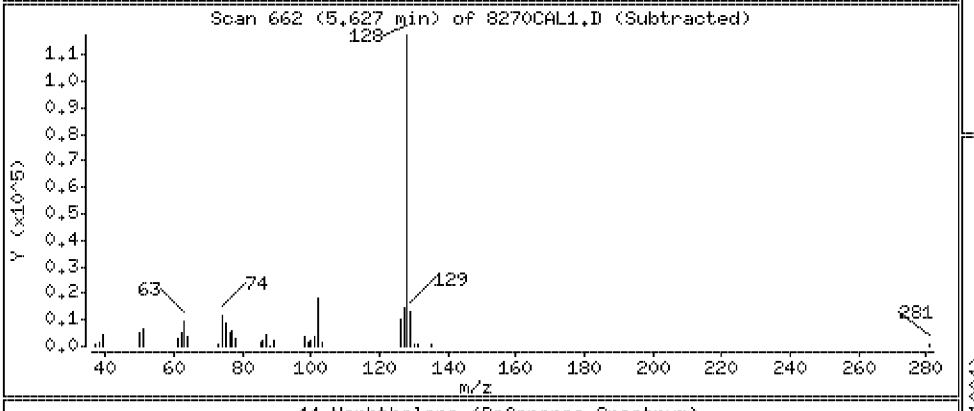
Column diameter: 0.25

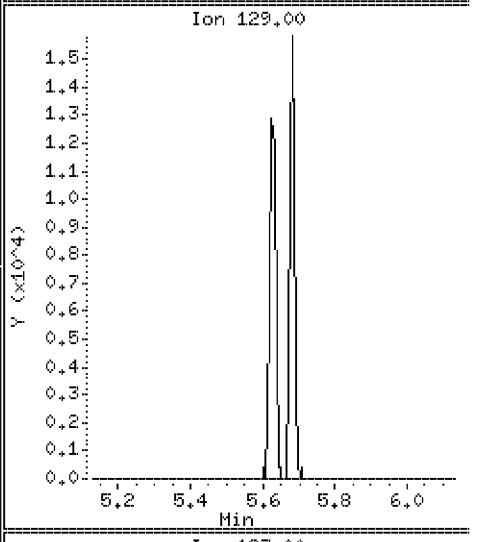
44 Naphthalene

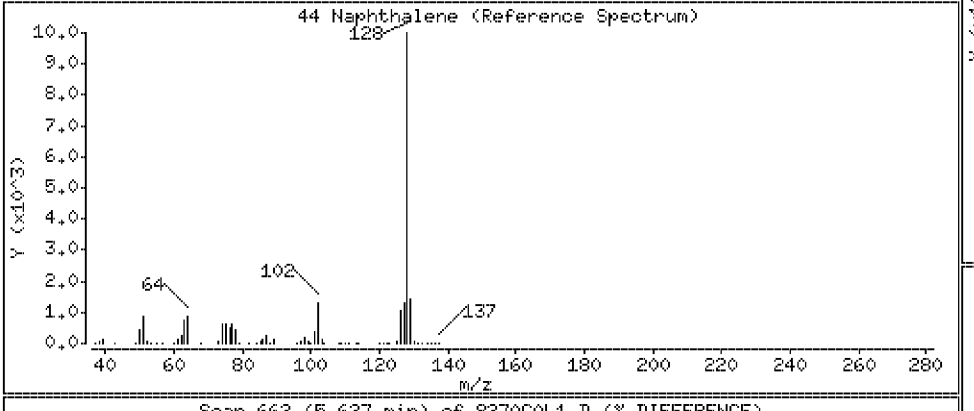
Concentration: 4.1 ug/l

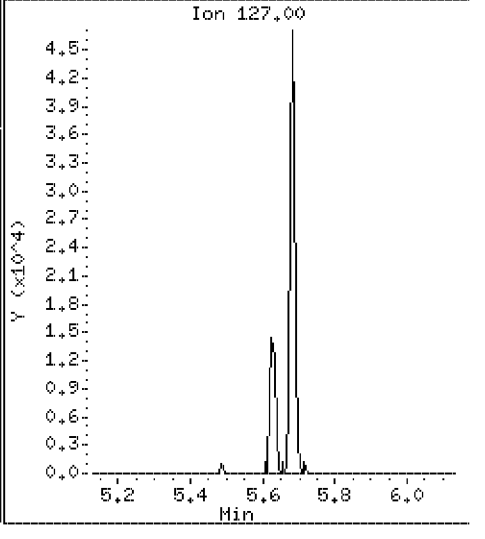


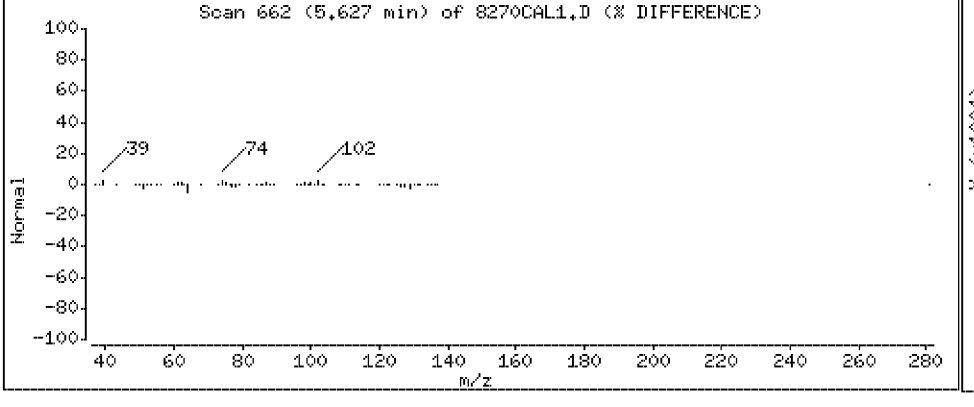












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

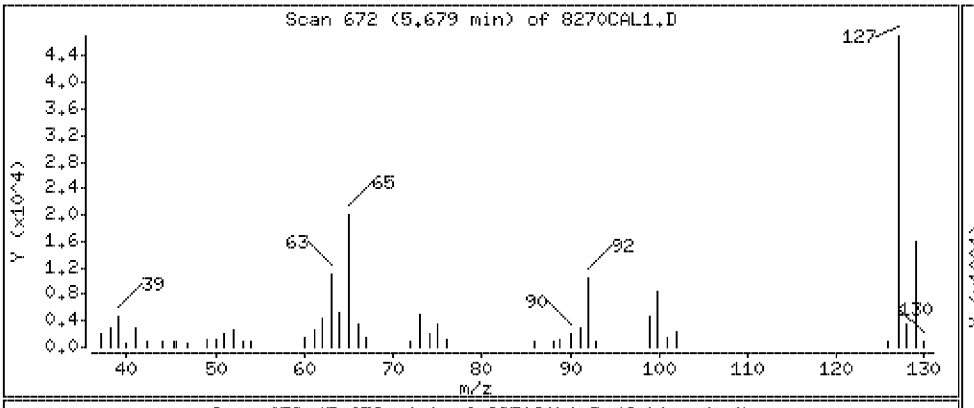
Operator: PEL

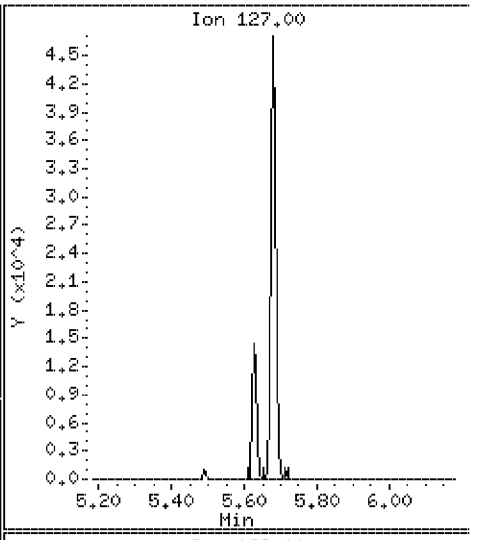
Column phase: HPMS-5

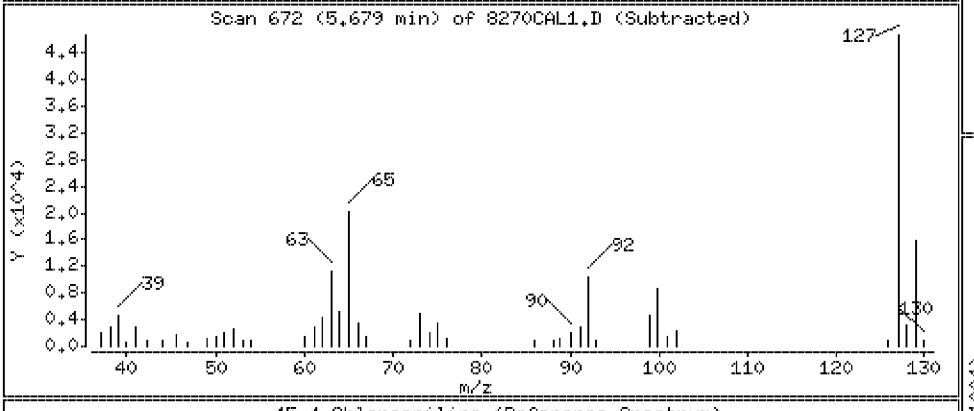
Column diameter: 0.25

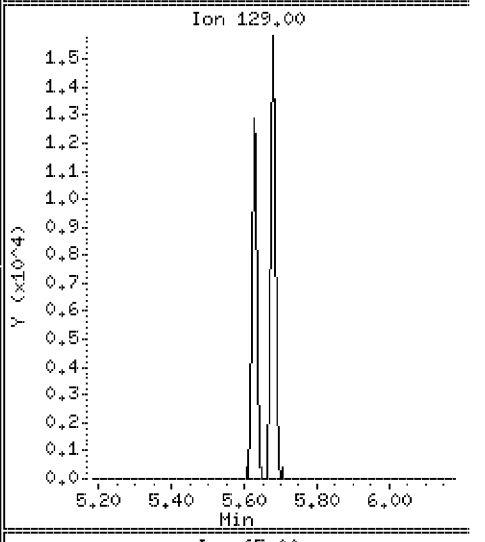
45 4-Chloroaniline

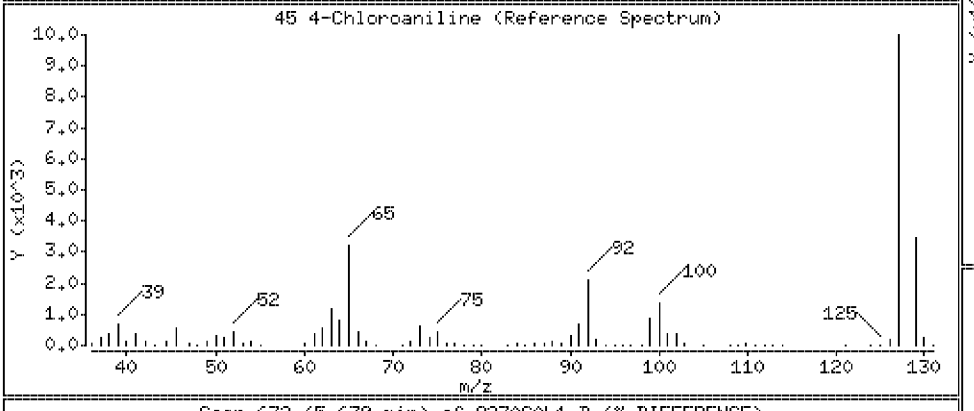
Concentration: 4.0 ug/l

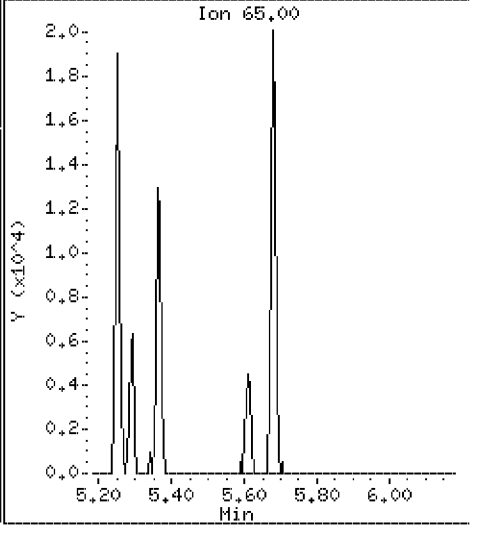


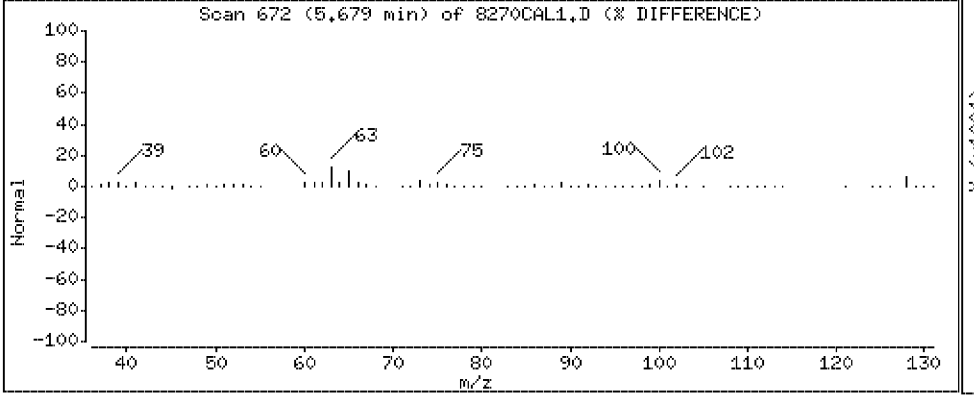












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

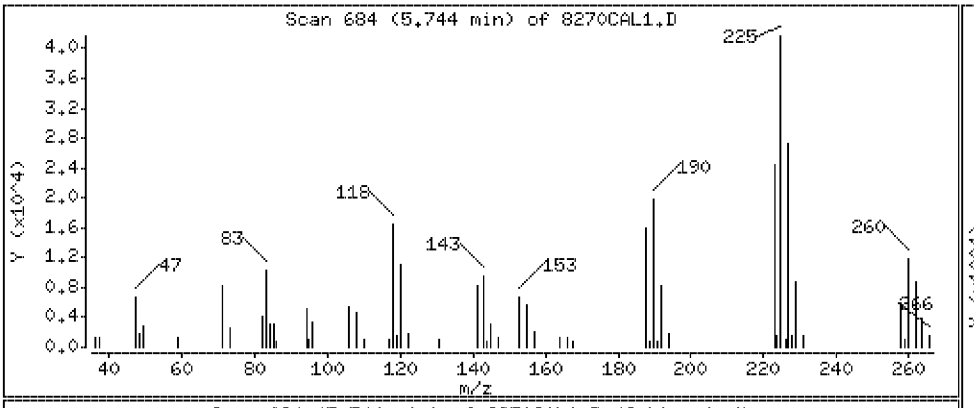
Operator: PEL

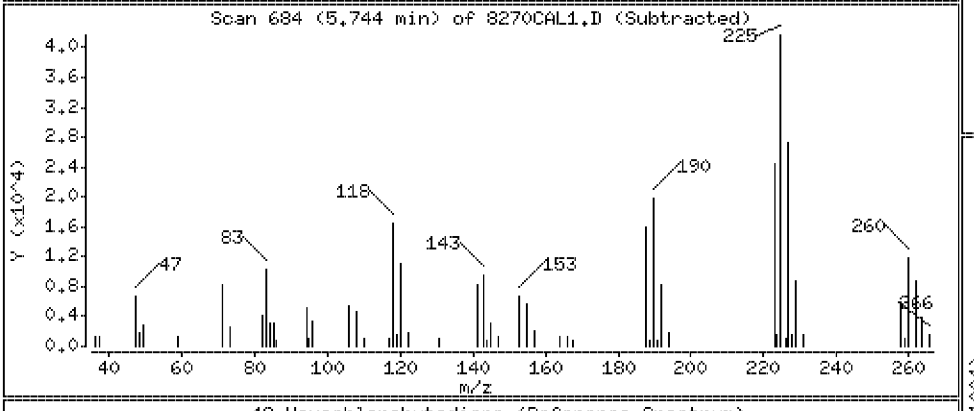
Column phase: HPMS-5

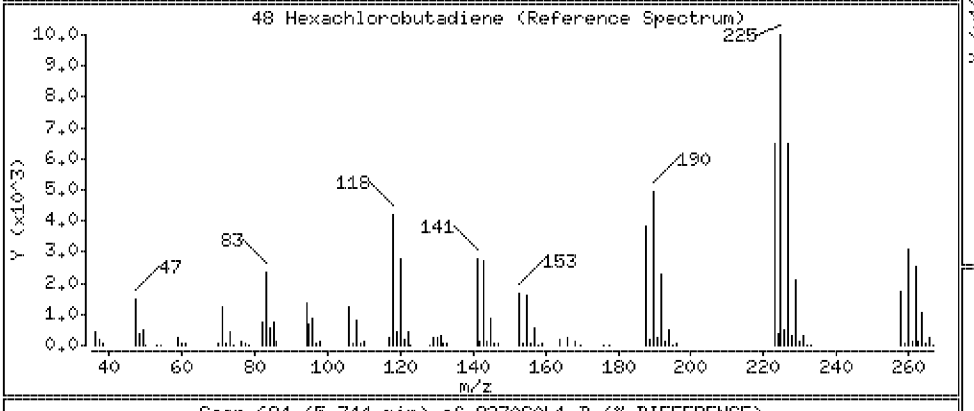
Column diameter: 0.25

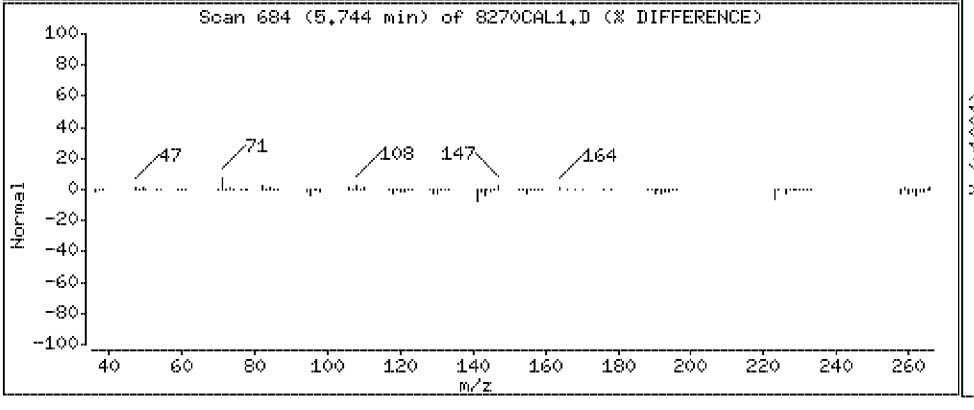
48 Hexachlorobutadiene

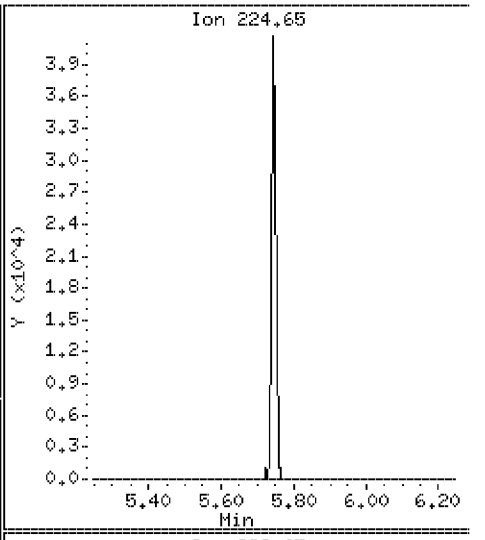
Concentration: 3.9 ug/l

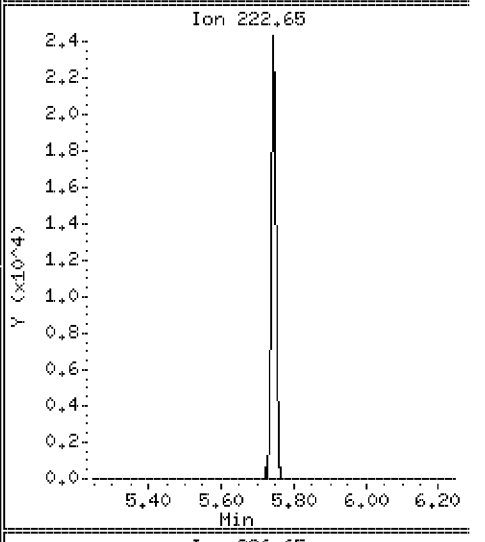


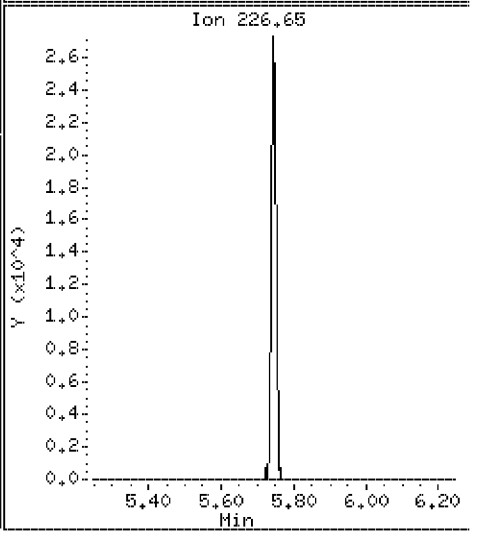












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

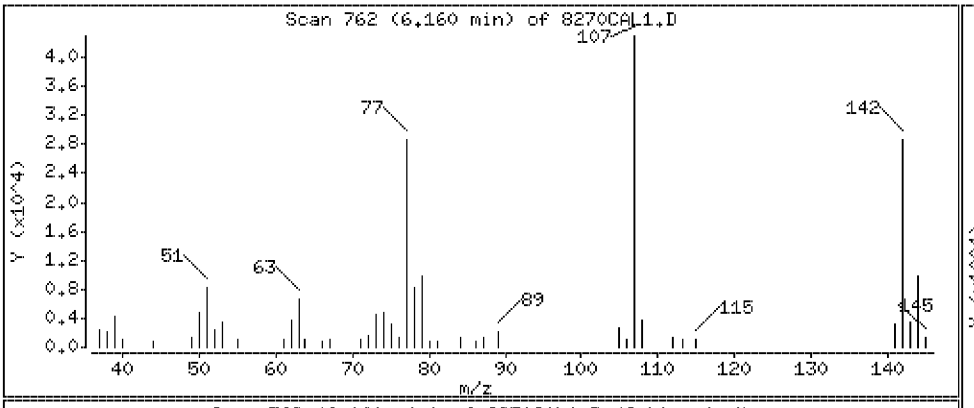
Operator: PEL

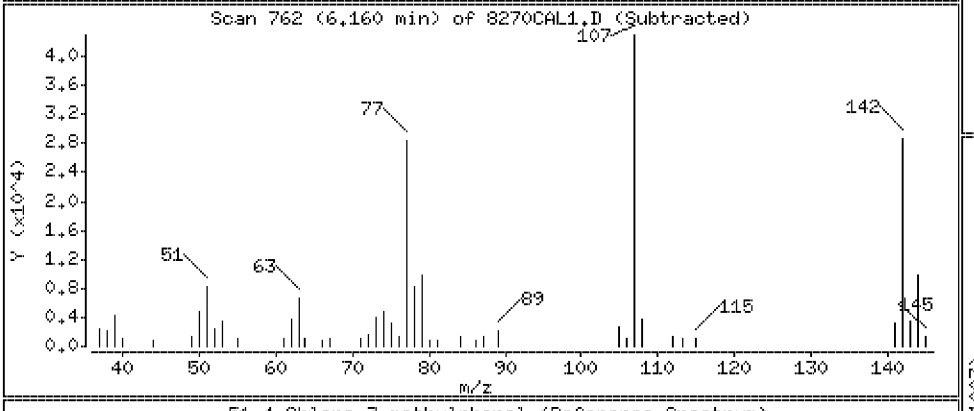
Column phase: HPMS-5

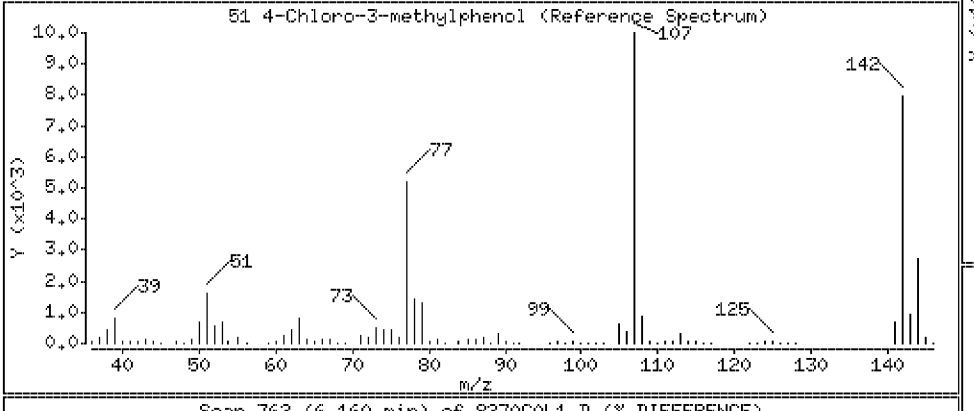
Column diameter: 0.25

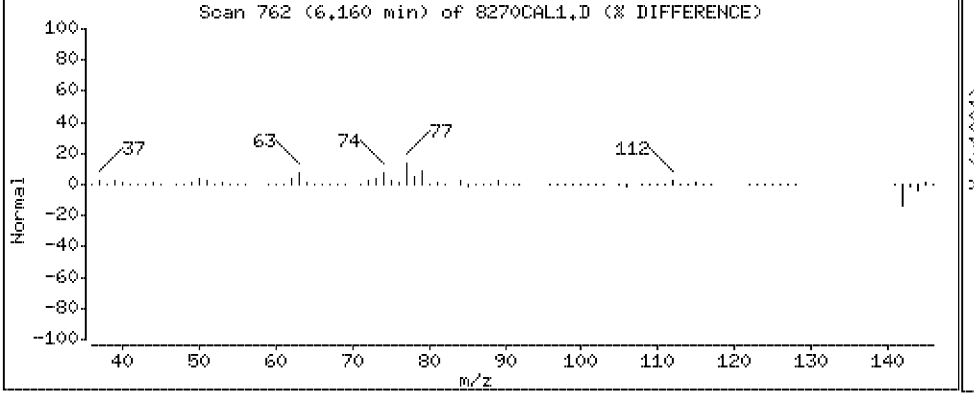
51 4-Chloro-3-methylphenol

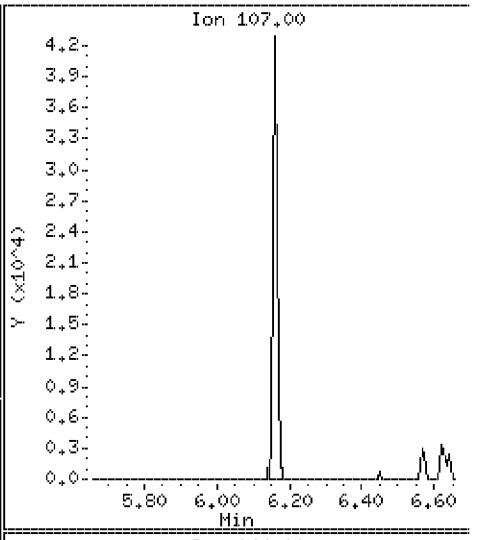
Concentration: 3.8 ug/l

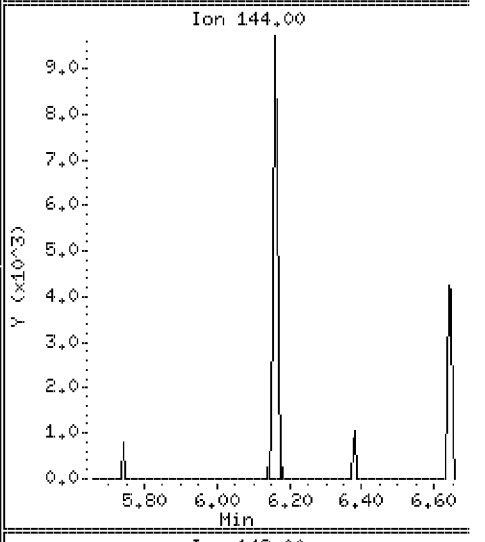


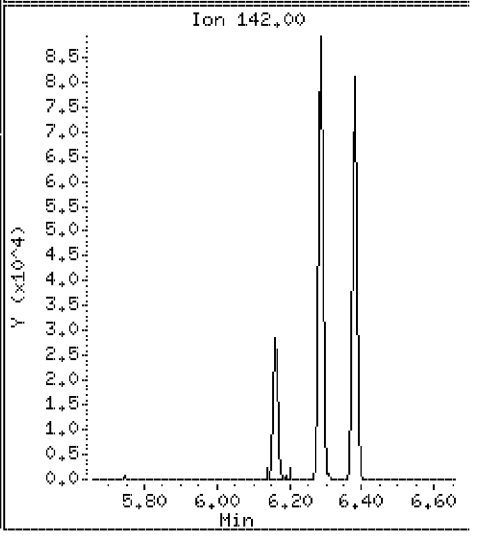












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

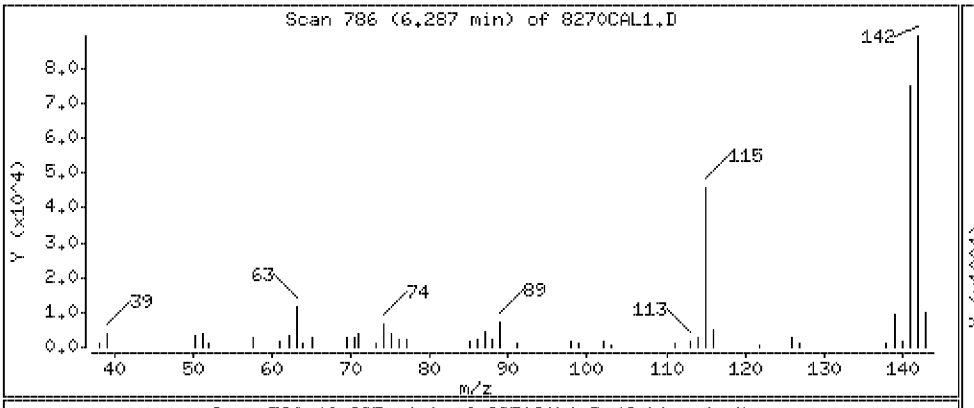
Client ID: 8270CAL1 Instrument: smsd03.i

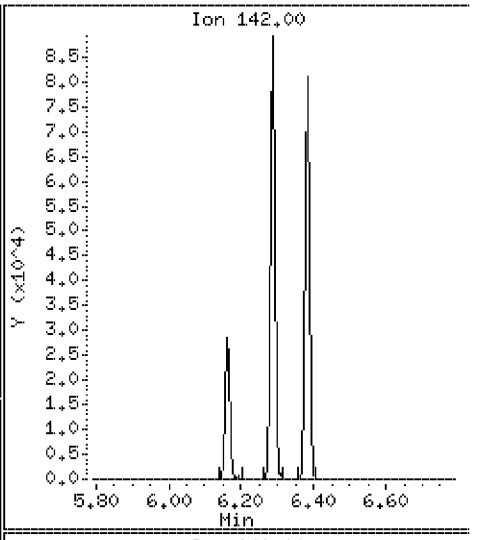
Sample Info: 45927

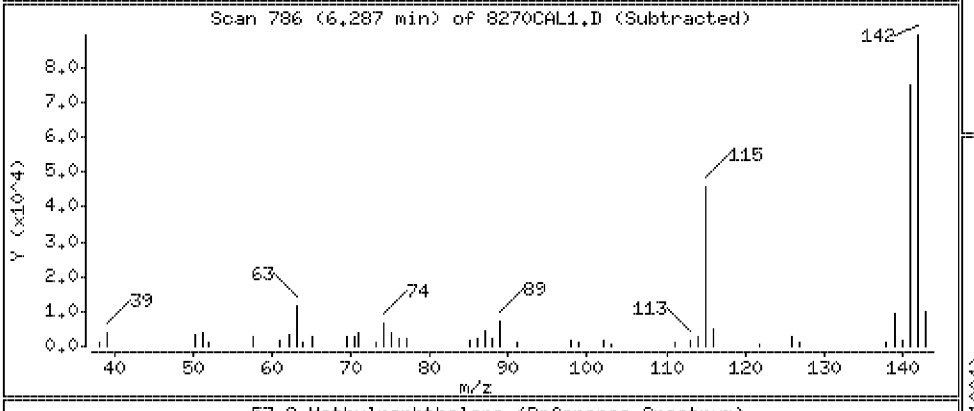
Purge Volume: 1000.0 Operator: PEL

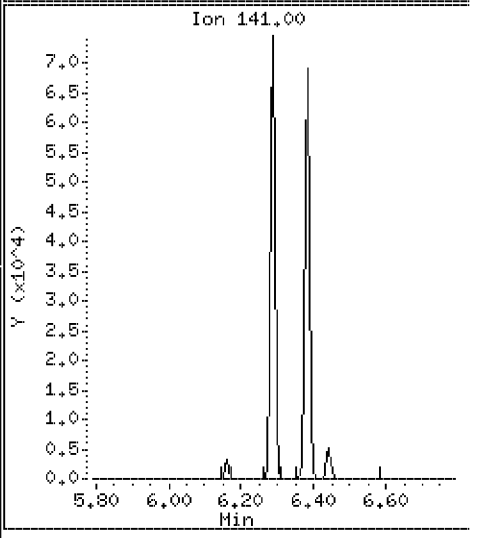
Column phase: HPMS-5 Column diameter: 0.25

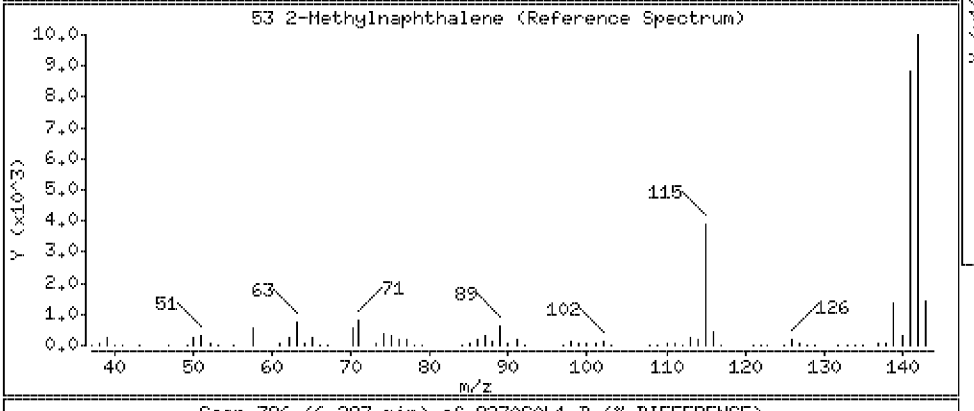
53 2-Methylnaphthalene Concentration: 4.0 ug/l

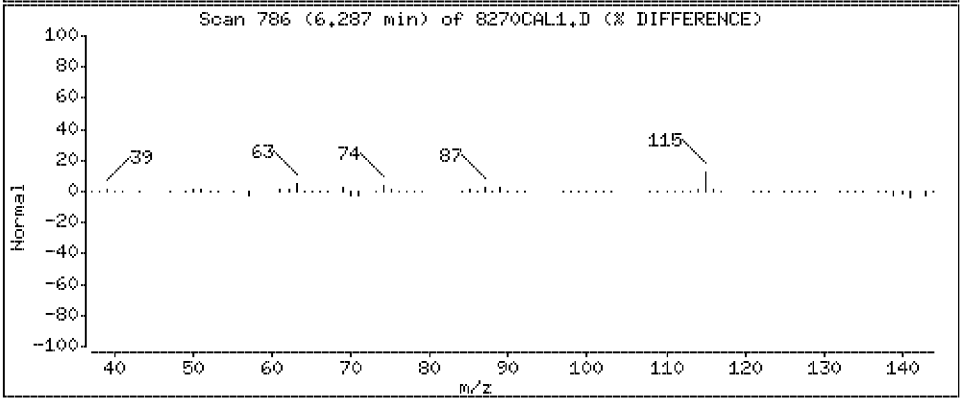












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

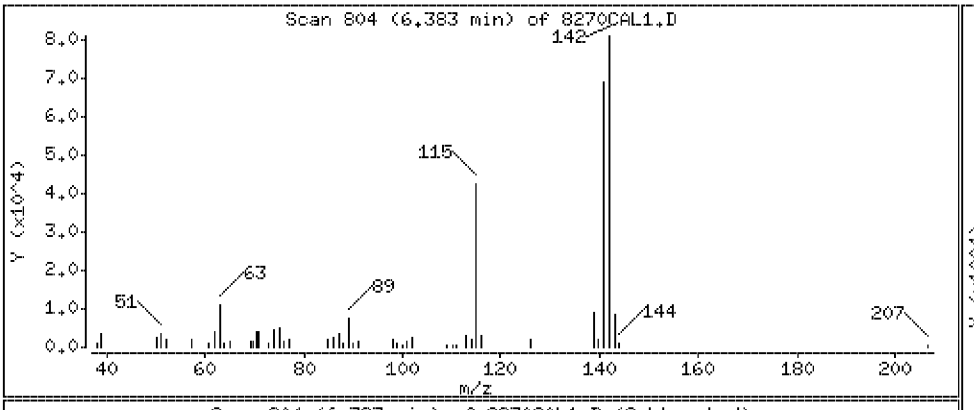
Operator: PEL

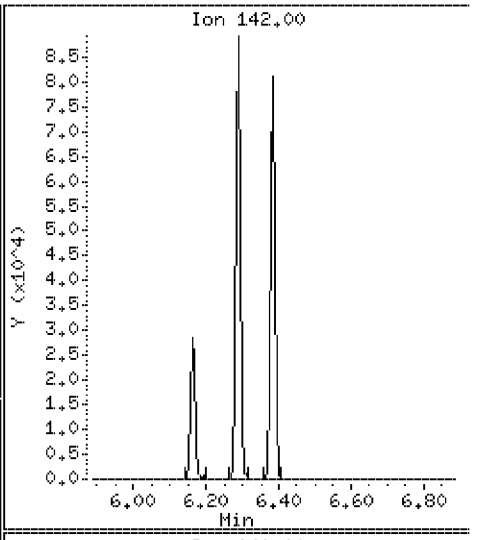
Column phase: HPMS-5

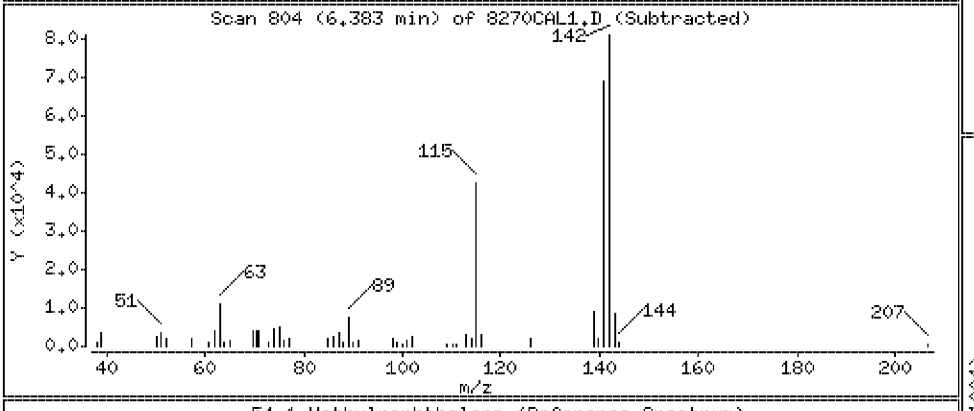
Column diameter: 0.25

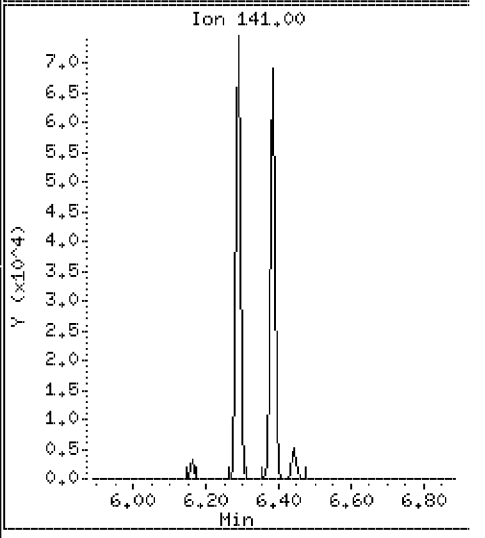
54 1-Methylnaphthalene

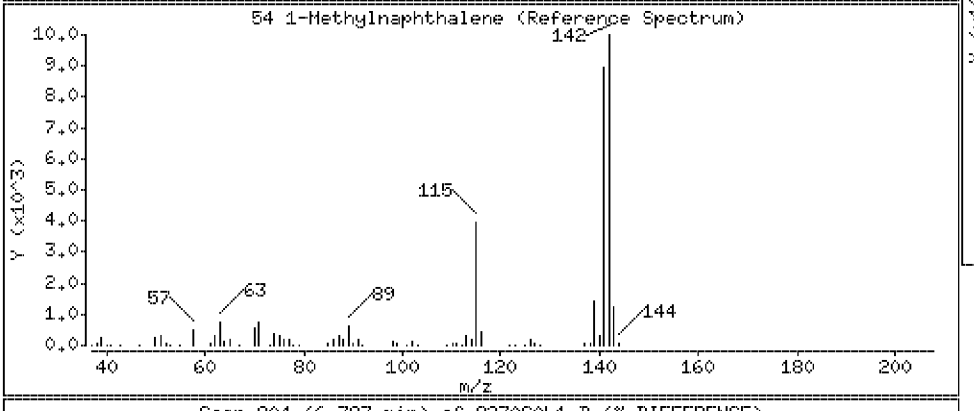
Concentration: 4.0 ug/l

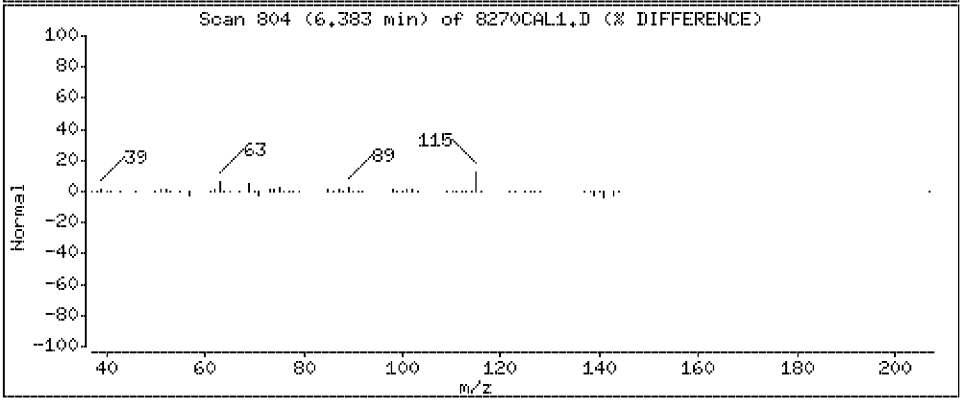












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

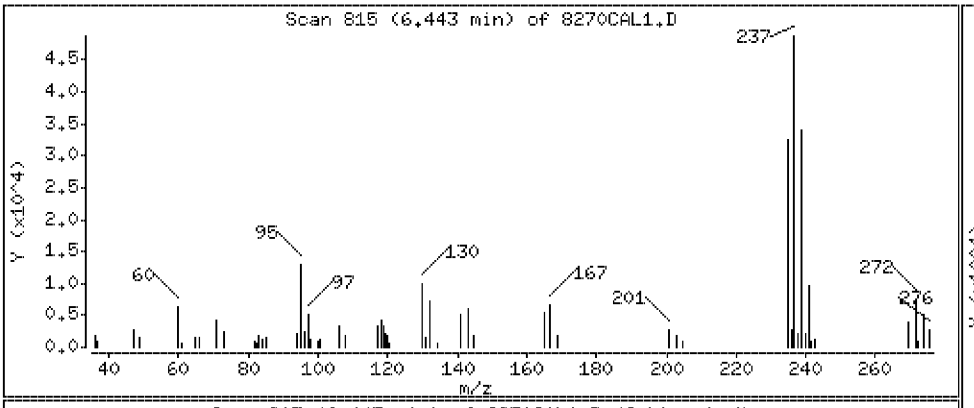
Operator: PEL

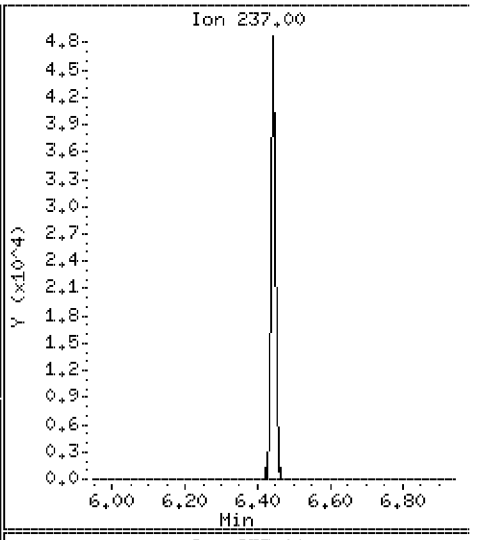
Column phase: HPMS-5

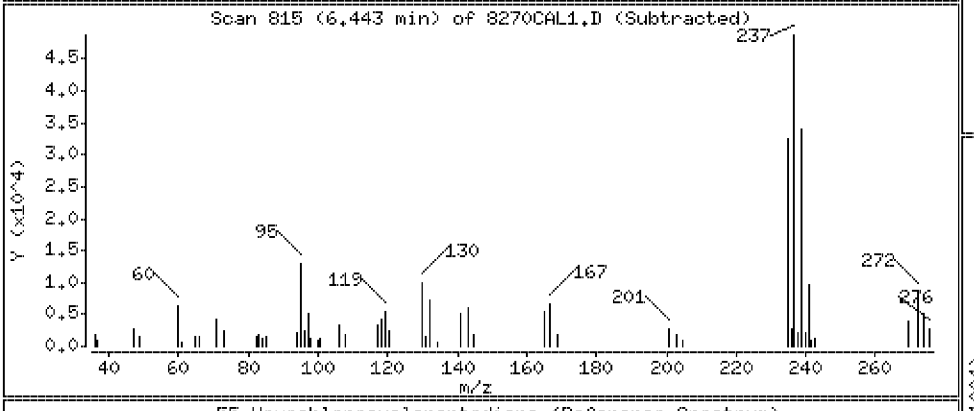
Column diameter: 0.25

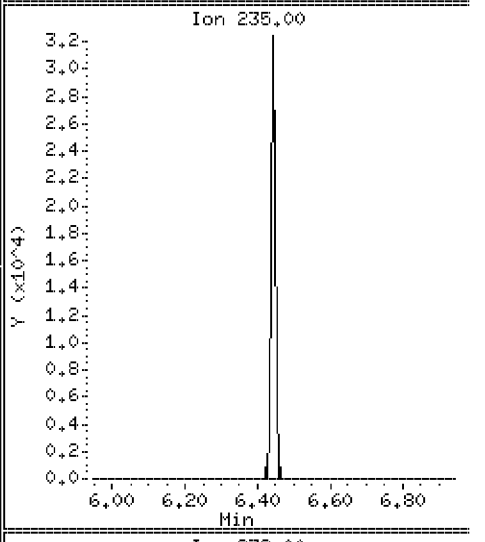
55 Hexachlorocyclopentadiene

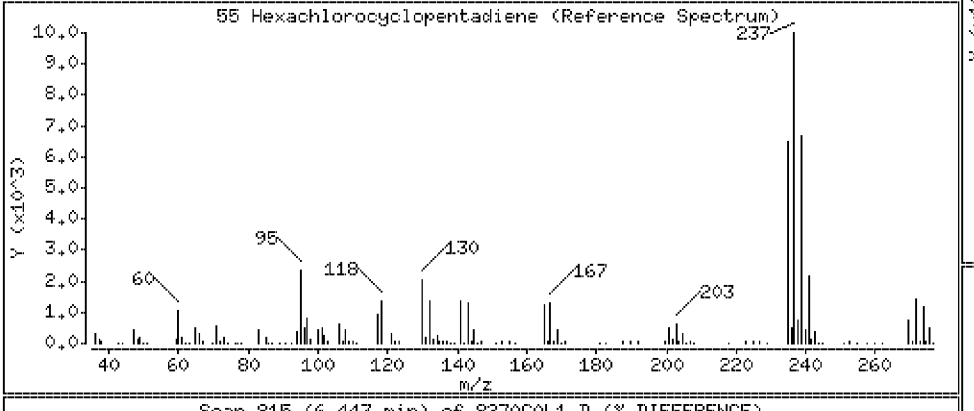
Concentration: 3.4 ug/l

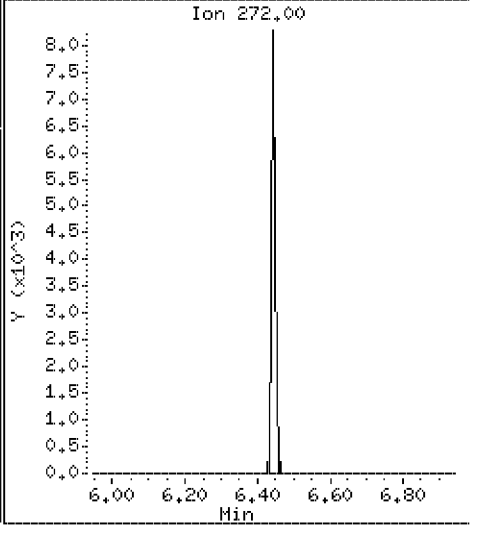


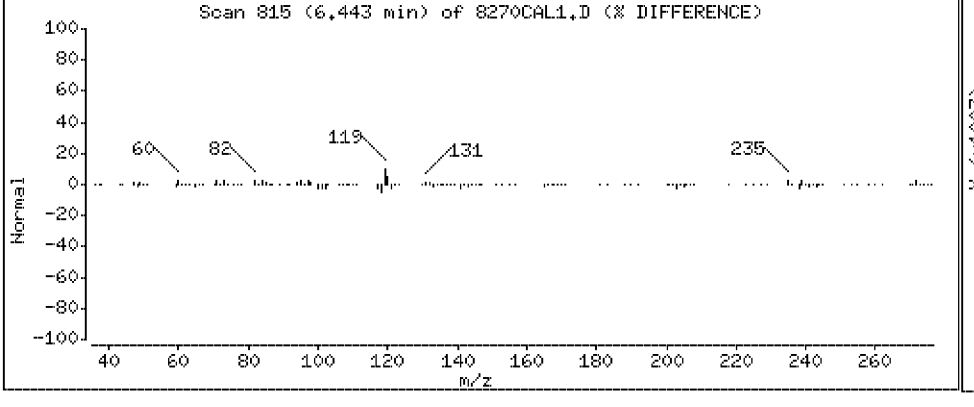












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

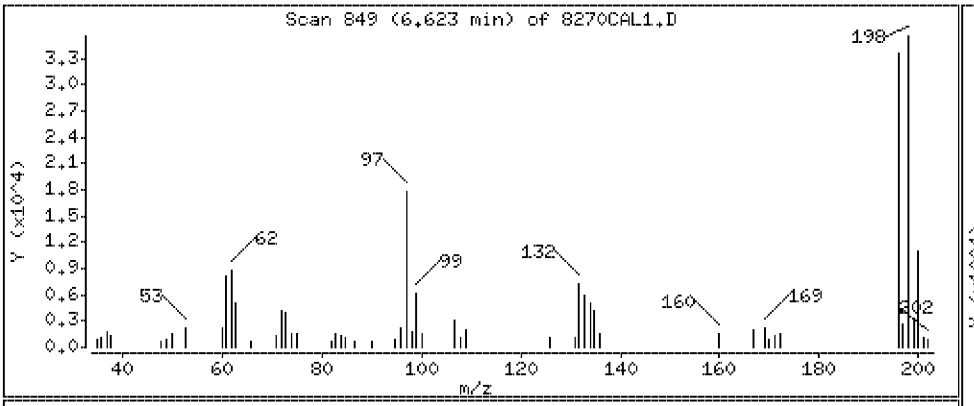
Operator: PEL

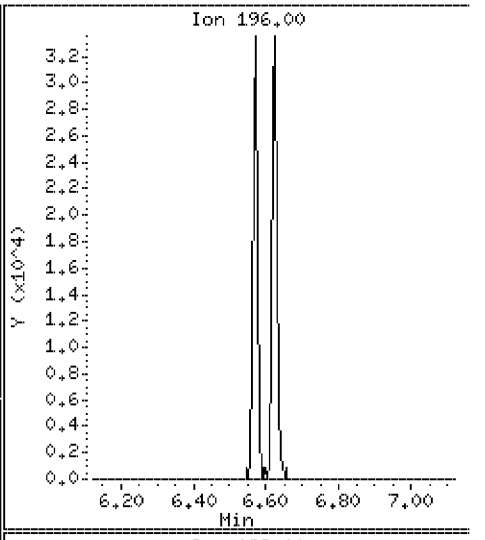
Column phase: HPMS-5

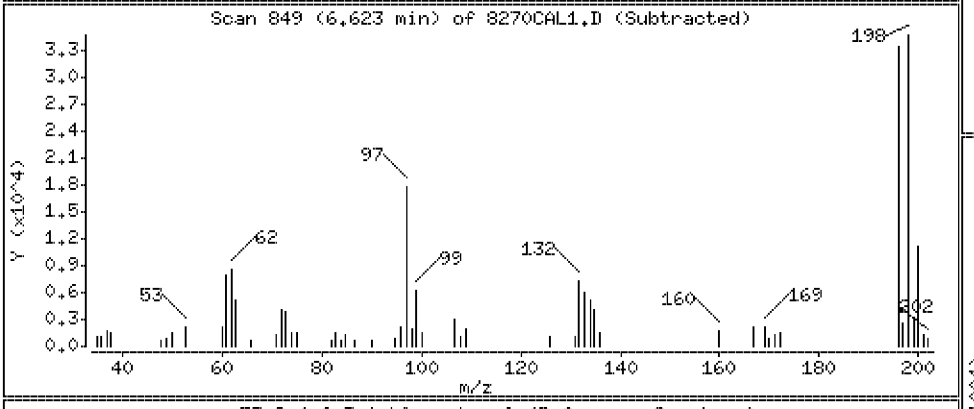
Column diameter: 0.25

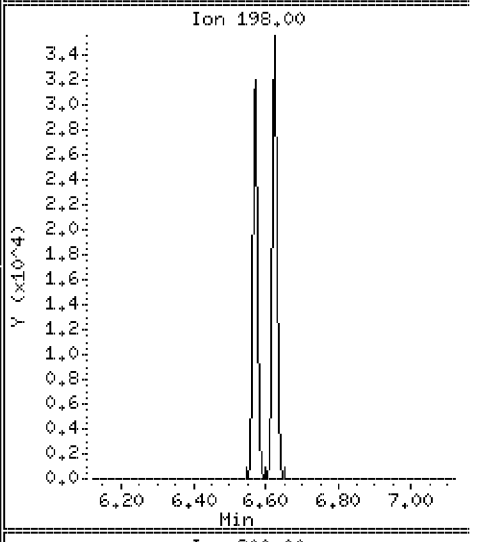
57 2,4,6-Trichlorophenol

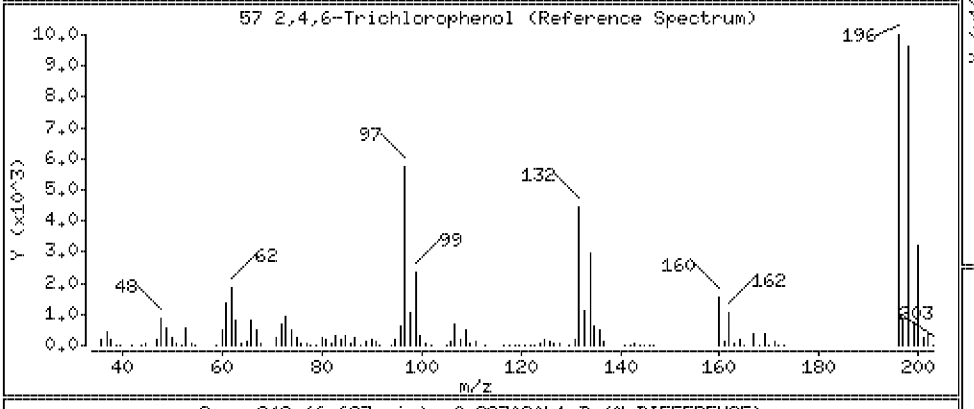
Concentration: 3.6 ug/l

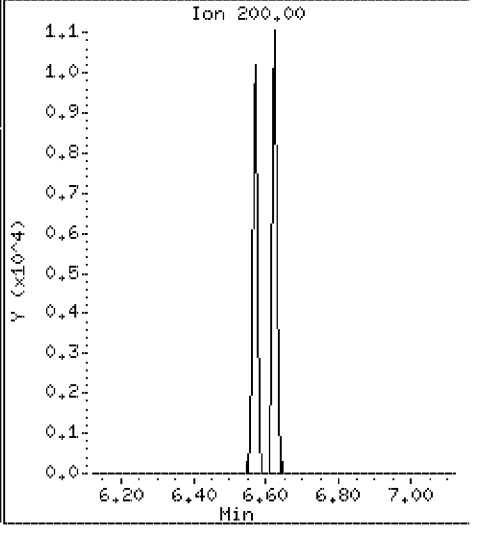


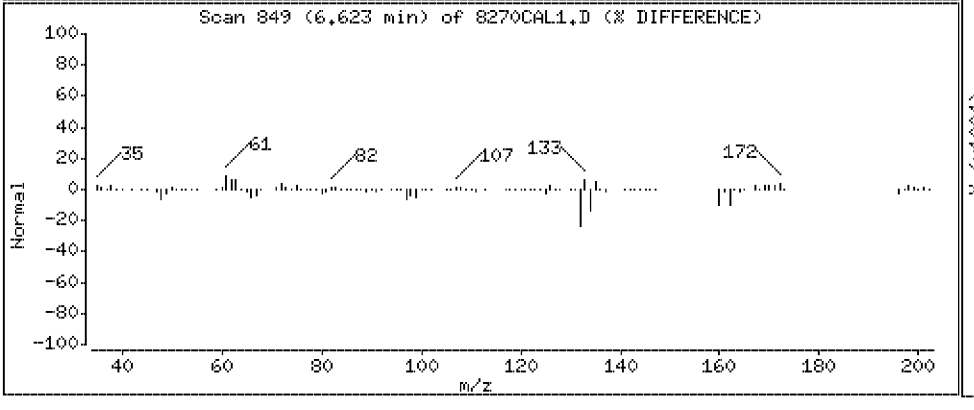












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

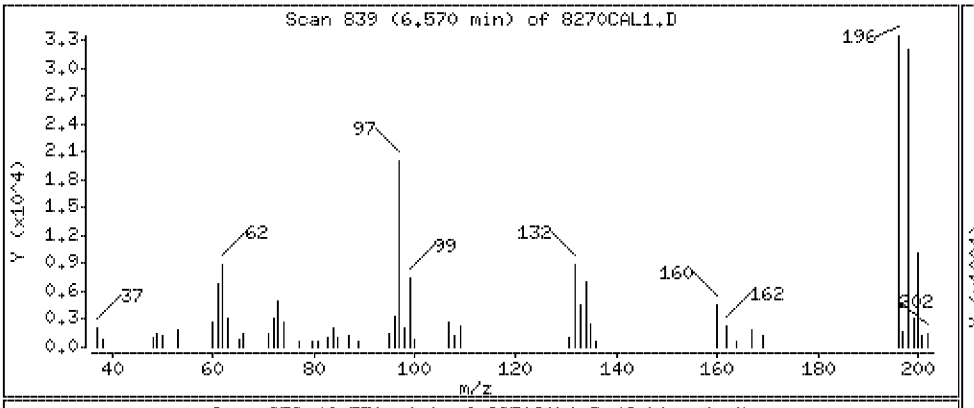
Operator: PEL

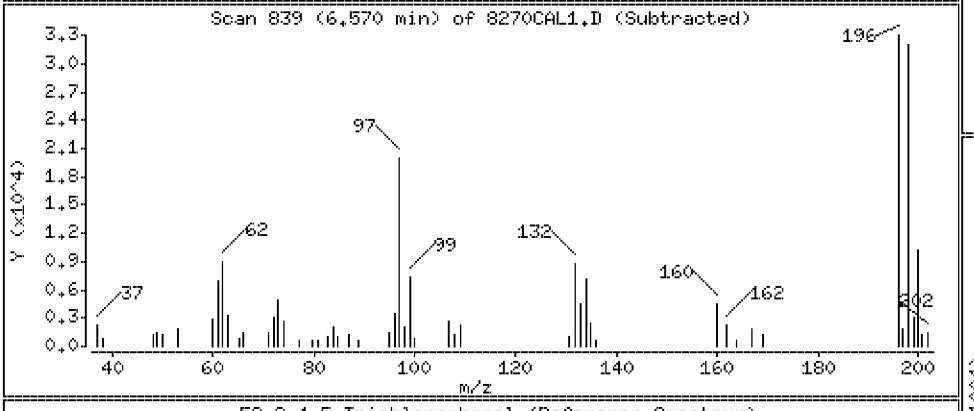
Column phase: HPMS-5

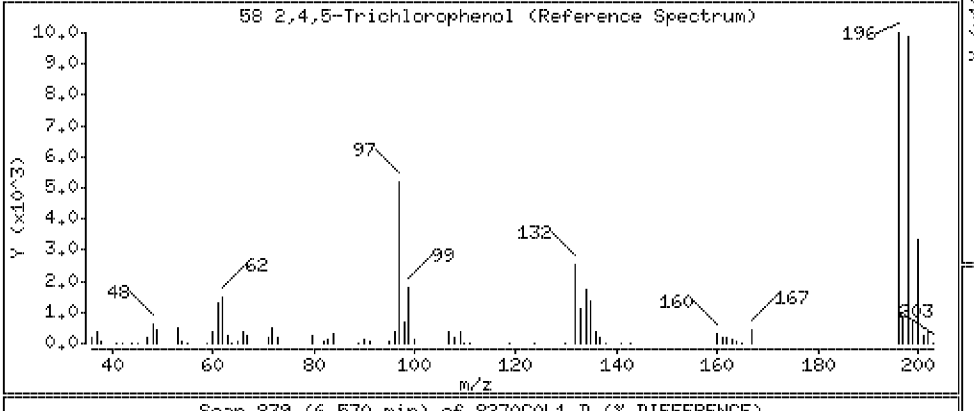
Column diameter: 0.25

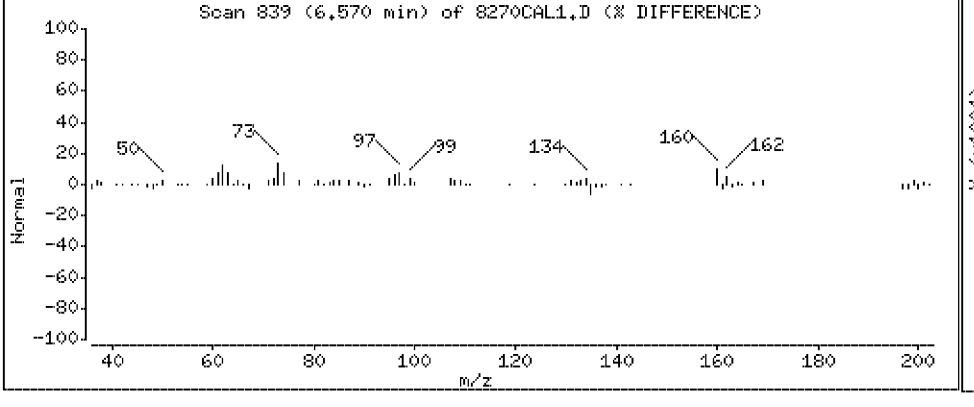
58 2,4,5-Trichlorophenol

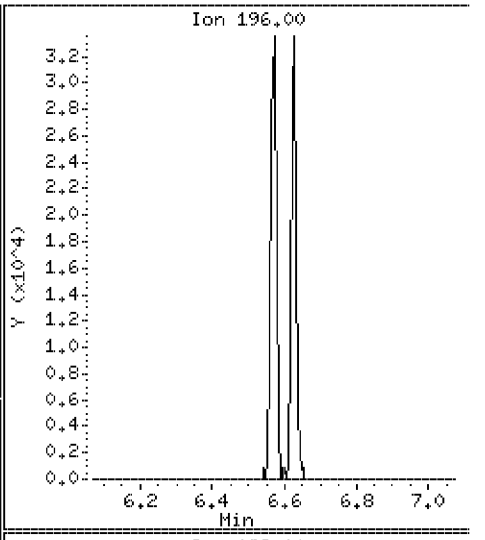
Concentration: 3.5 ug/l

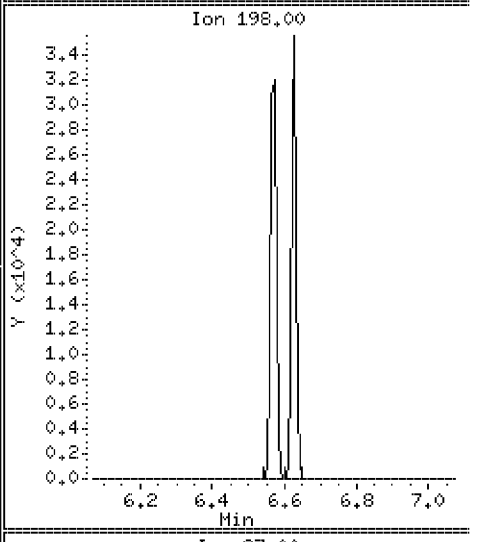


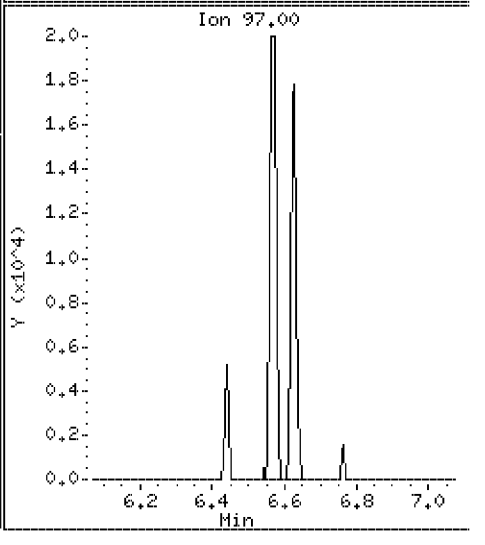












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

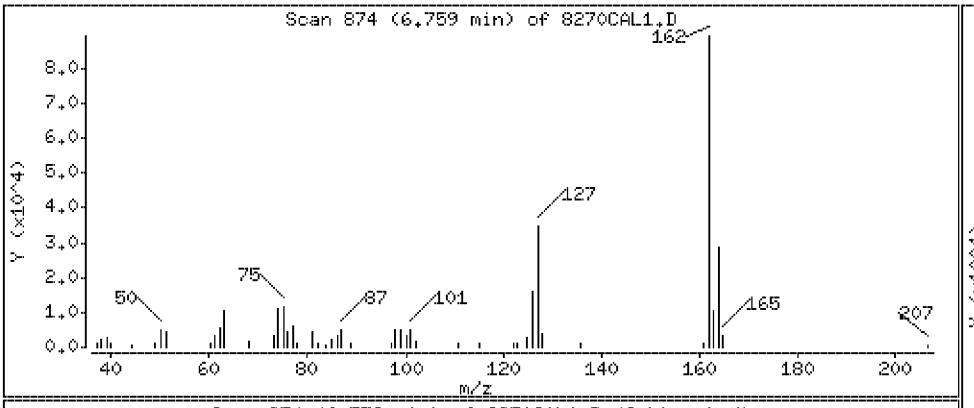
Operator: PEL

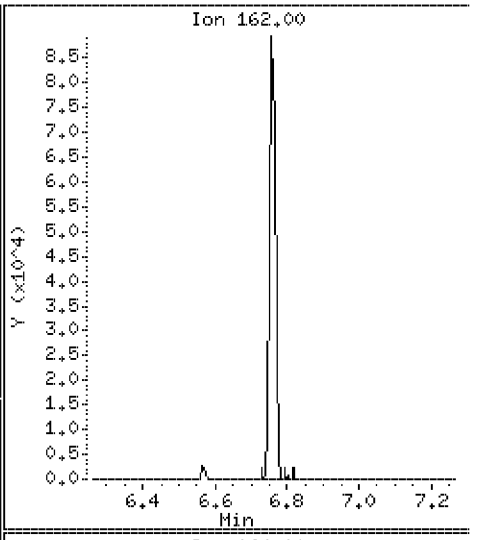
Column phase: HPMS-5

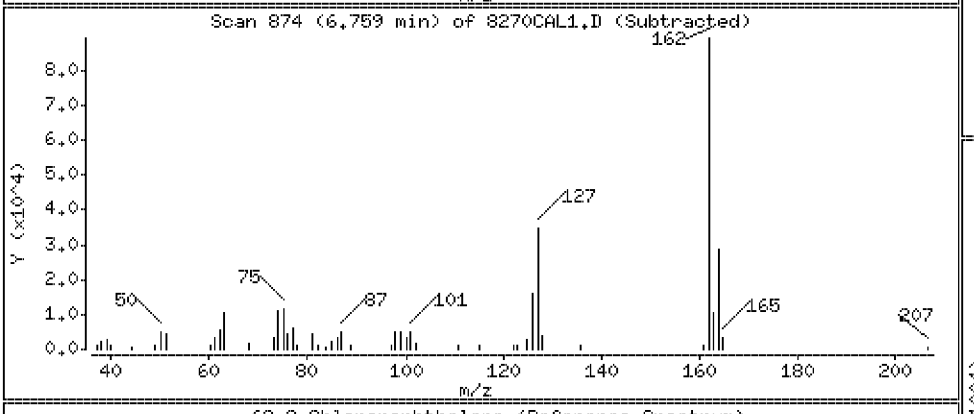
Column diameter: 0.25

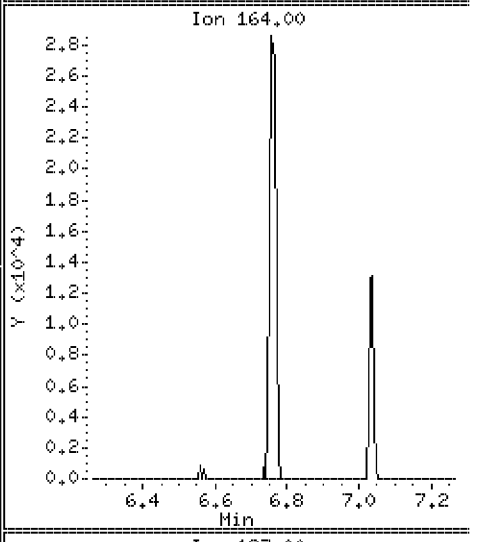
62 2-Chloronaphthalene

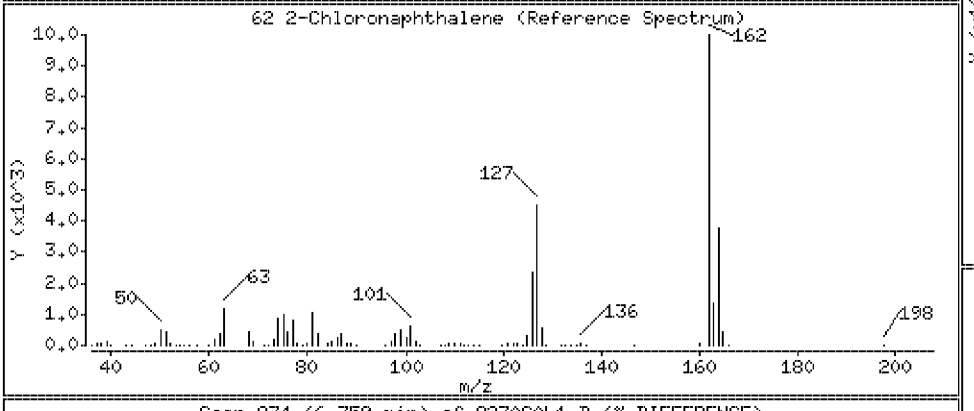
Concentration: 3.7 ug/l

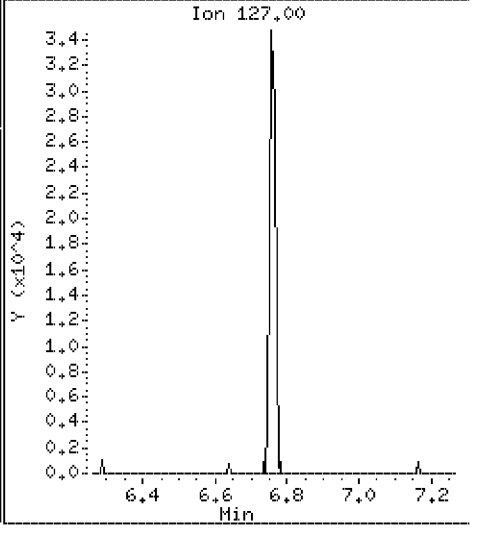


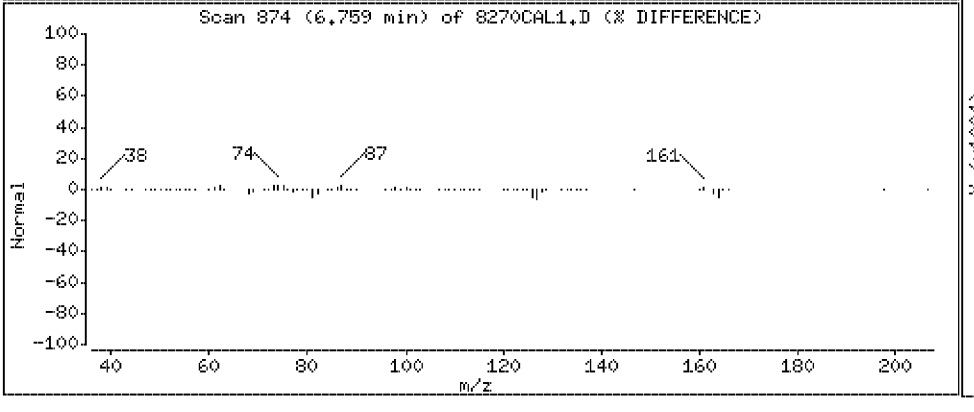












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

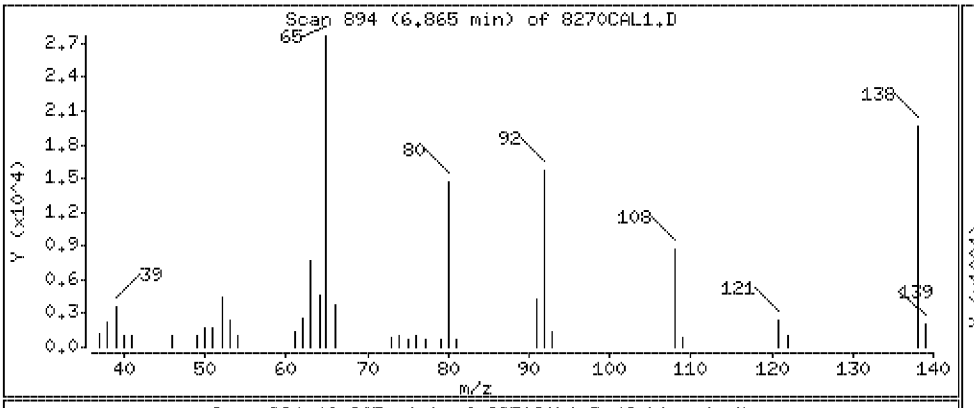
Operator: PEL

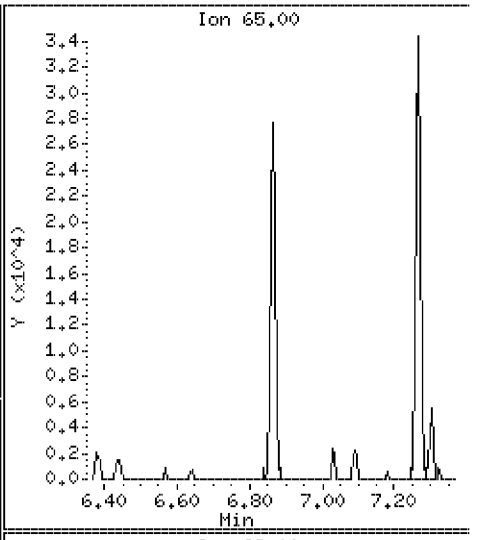
Column phase: HPMS-5

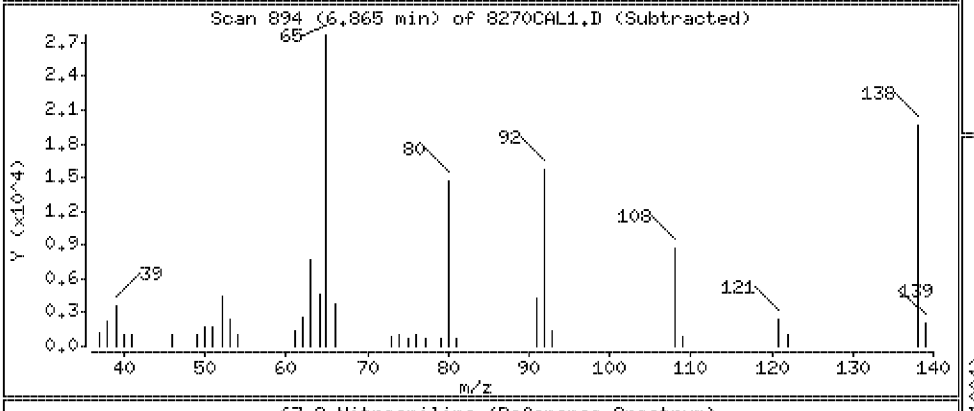
Column diameter: 0.25

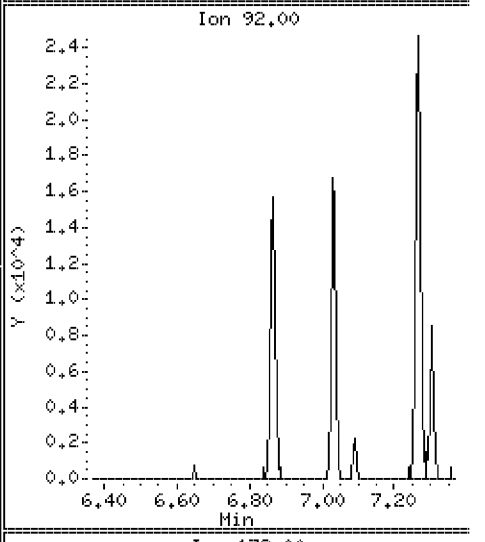
63 2-Nitroaniline

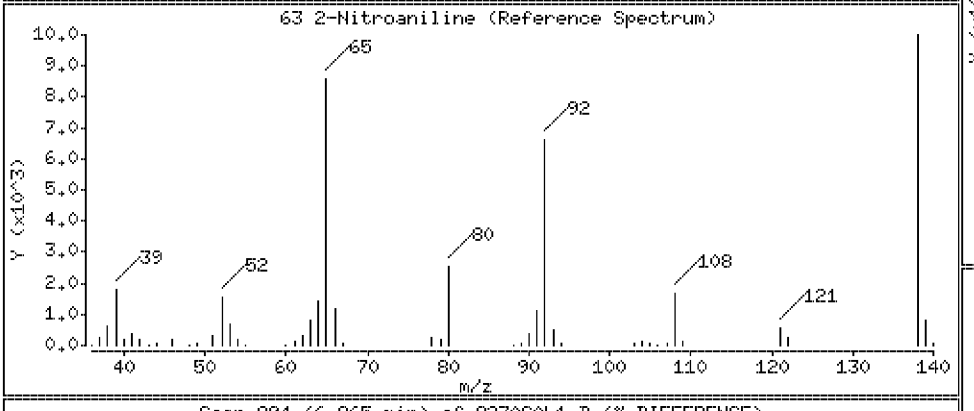
Concentration: 3.5 ug/l

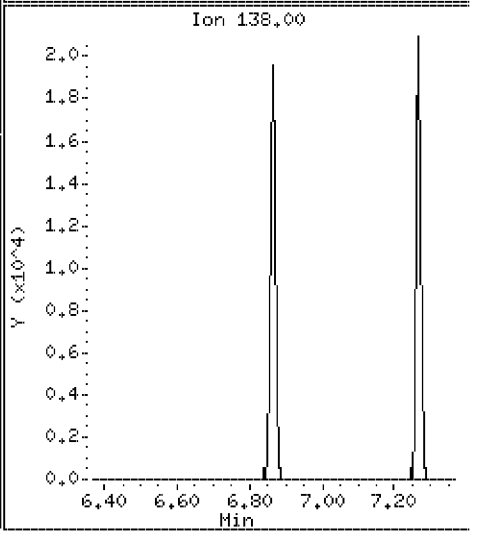


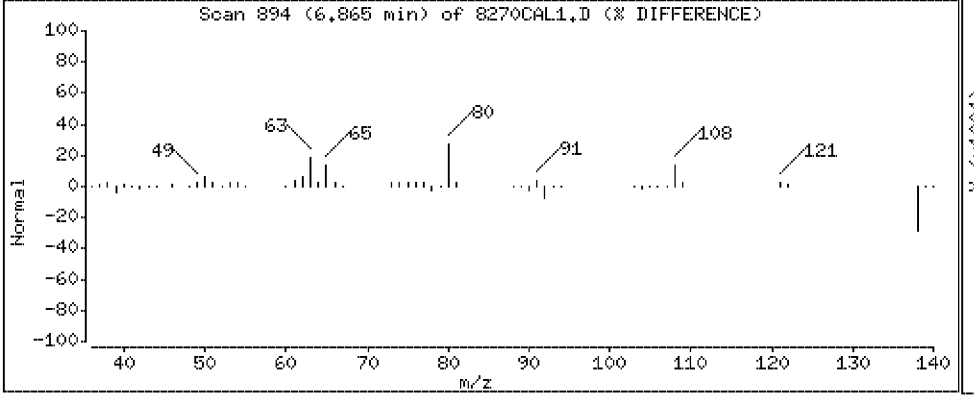












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

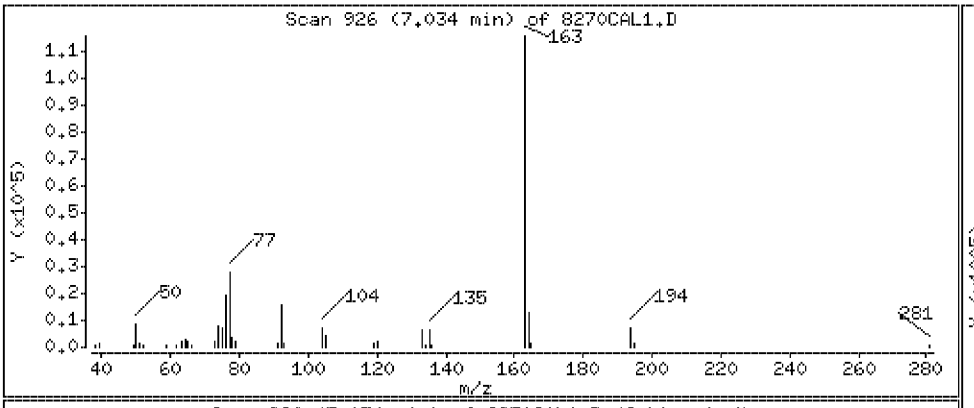
Operator: PEL

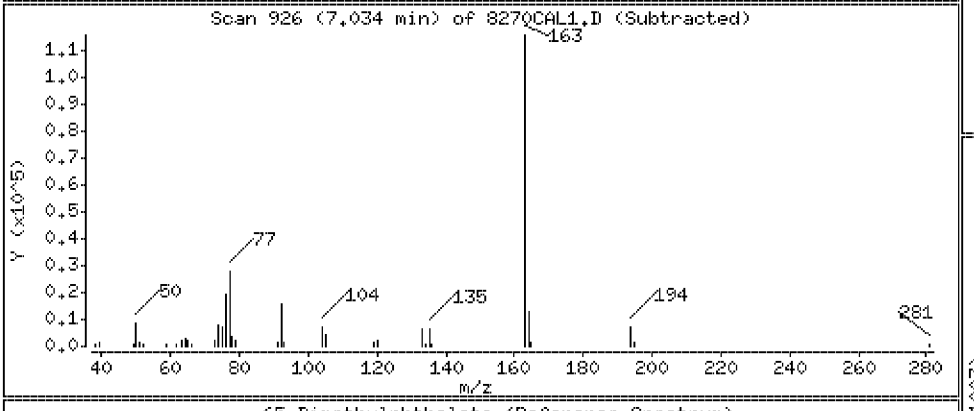
Column phase: HPMS-5

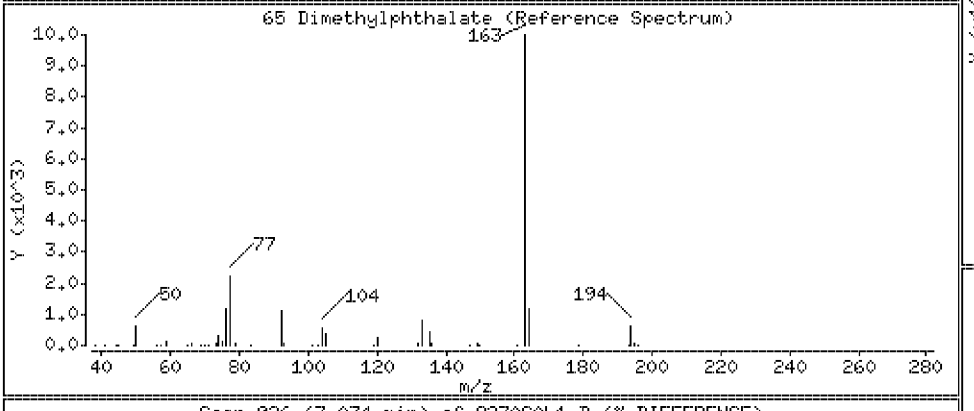
Column diameter: 0.25

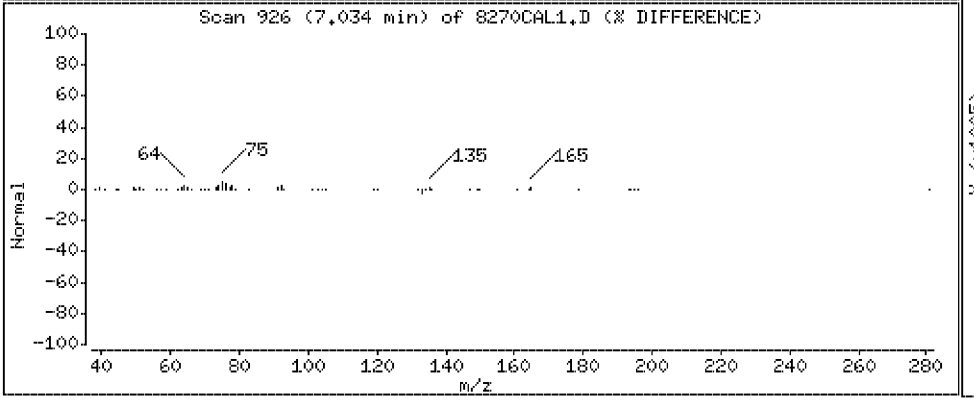
65 Dimethylphthalate

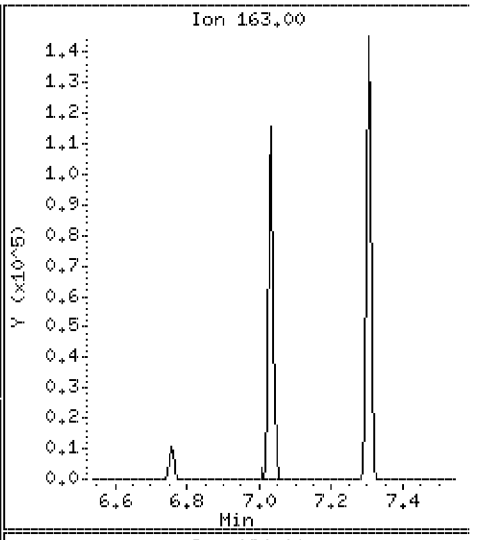
Concentration: 3.9 ug/l

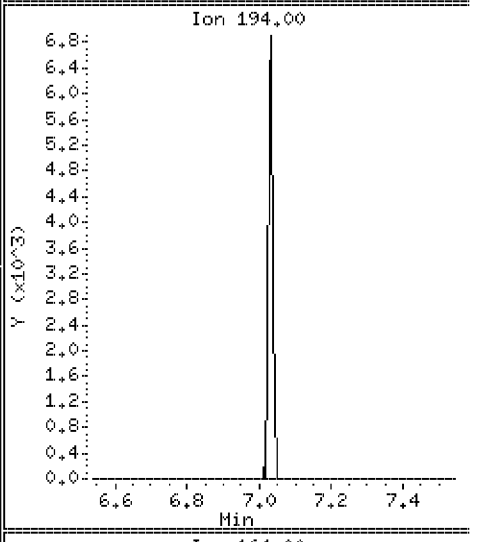


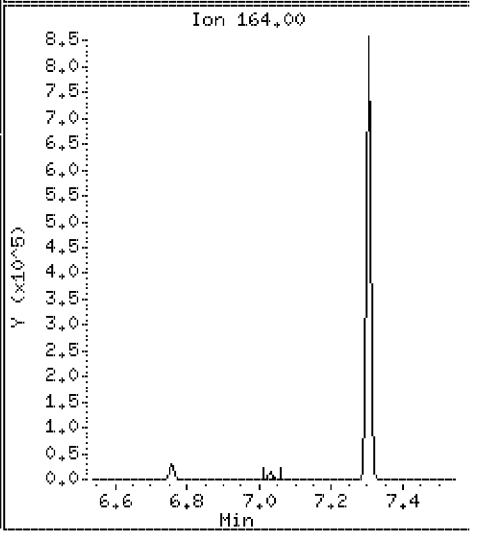












Date : 23-APR-2012 12:45

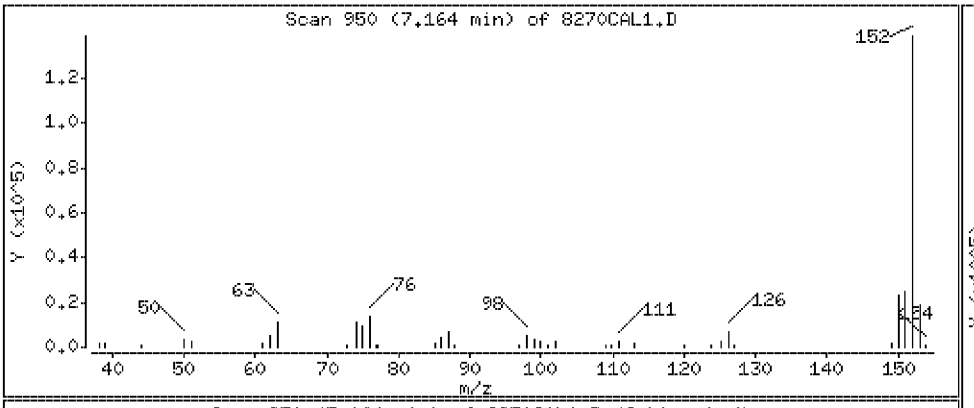
Client ID: 8270CAL1 Instrument: smsd03.i

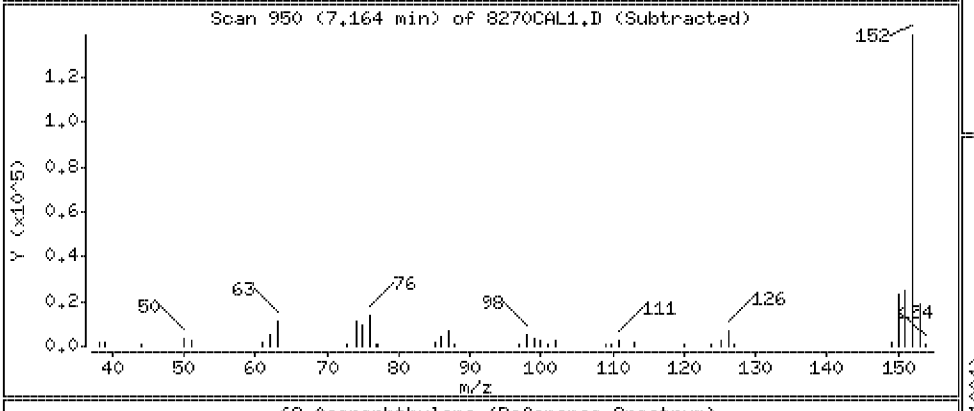
Sample Info: 45927

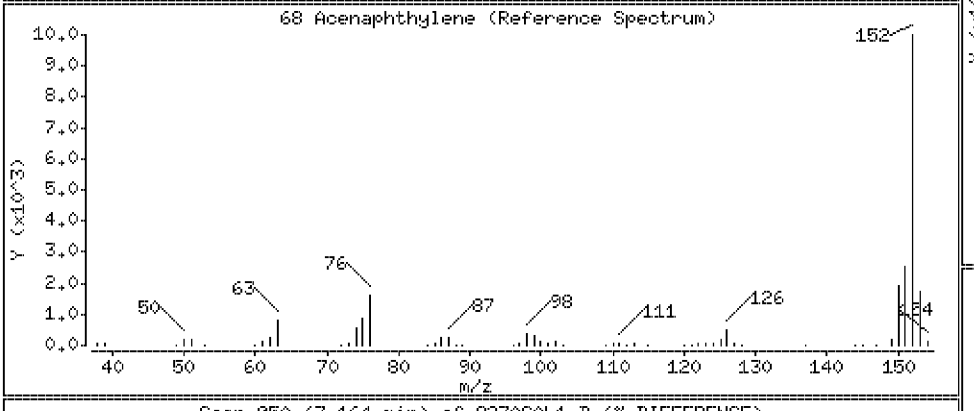
Purge Volume: 1000.0 Operator: PEL

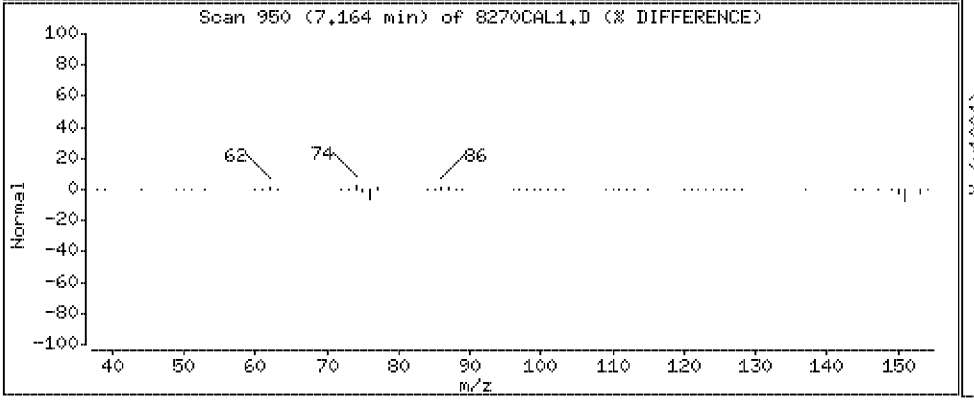
Column phase: HPMS-5 Column diameter: 0.25

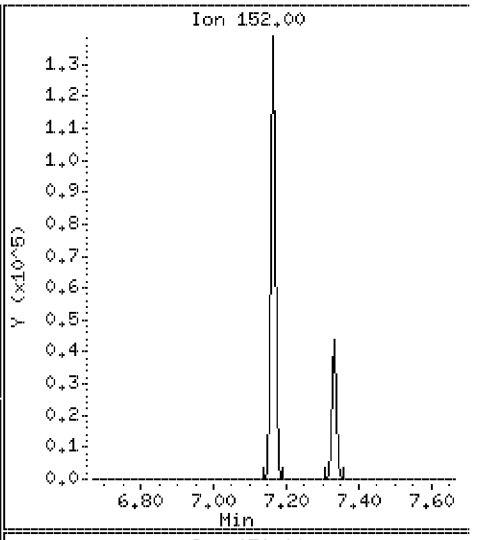
68 Acenaphthylene Concentration: 3.8 ug/l

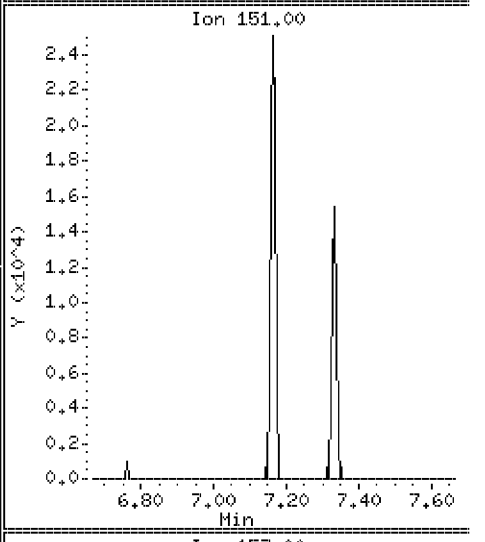


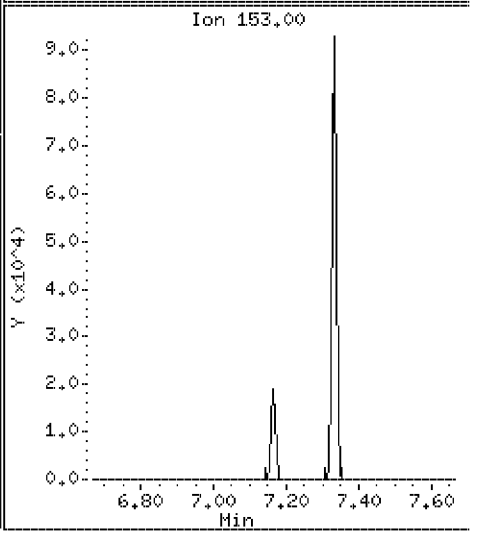












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

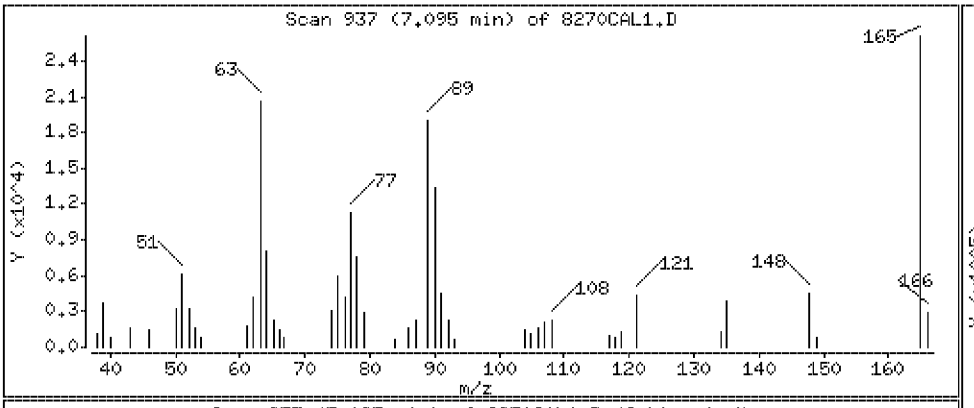
Operator: PEL

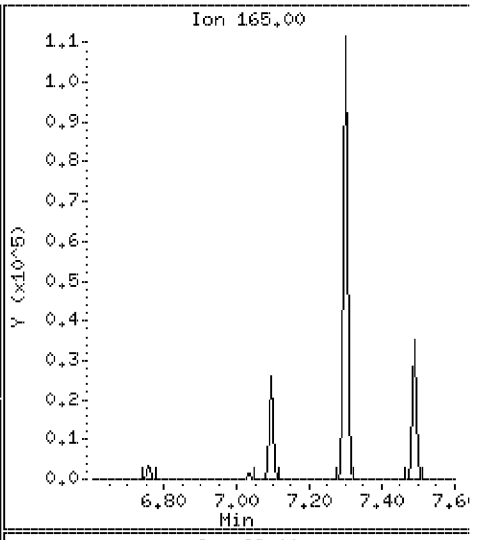
Column phase: HPMS-5

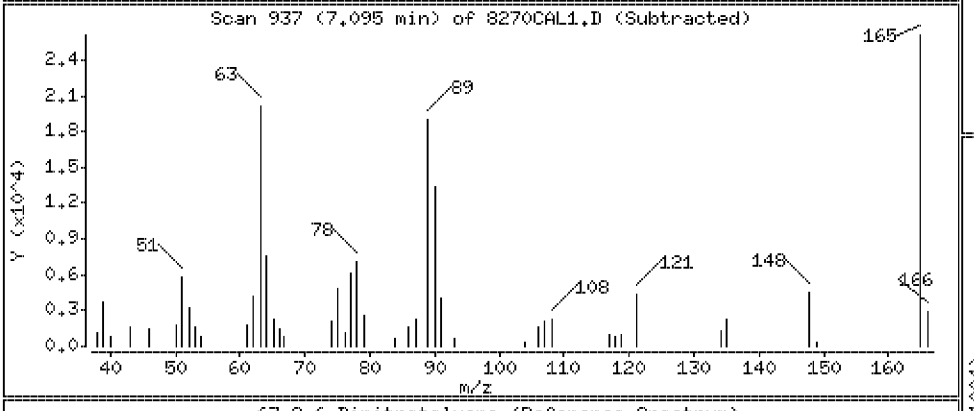
Column diameter: 0.25

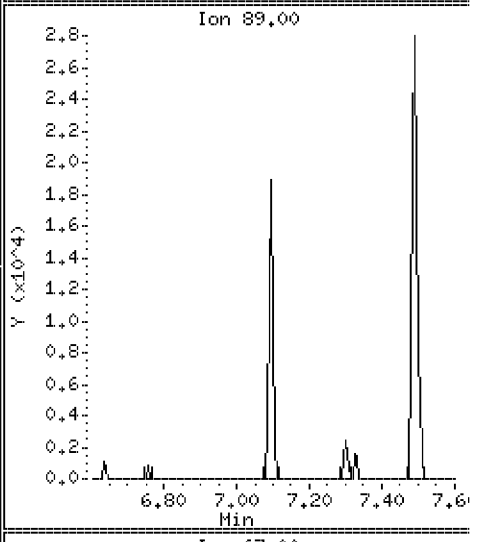
67 2,6-Dinitrotoluene

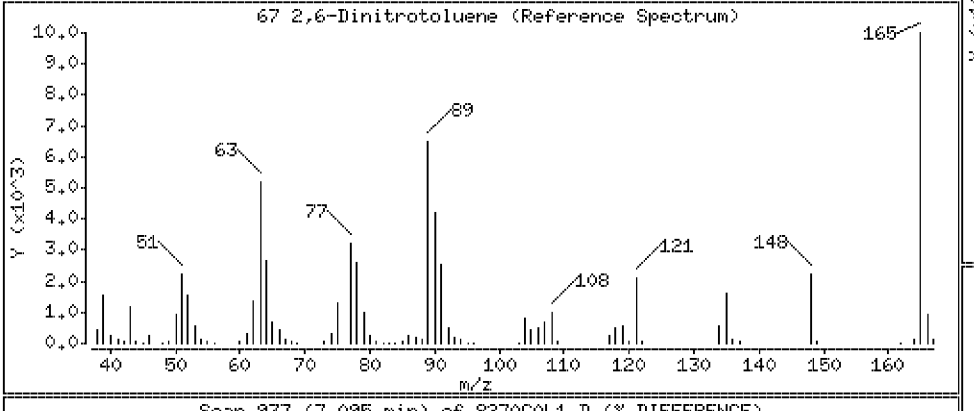
Concentration: 3.5 ug/l

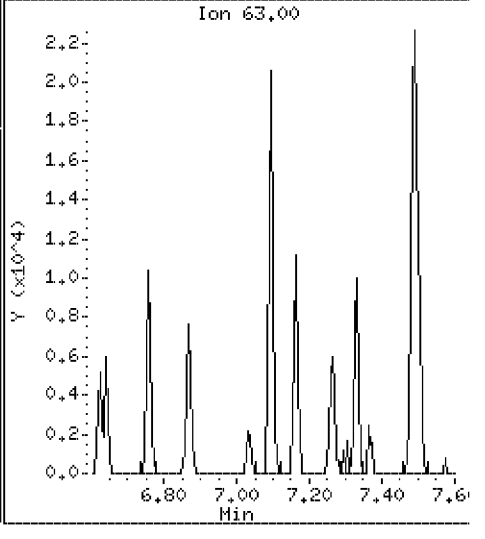


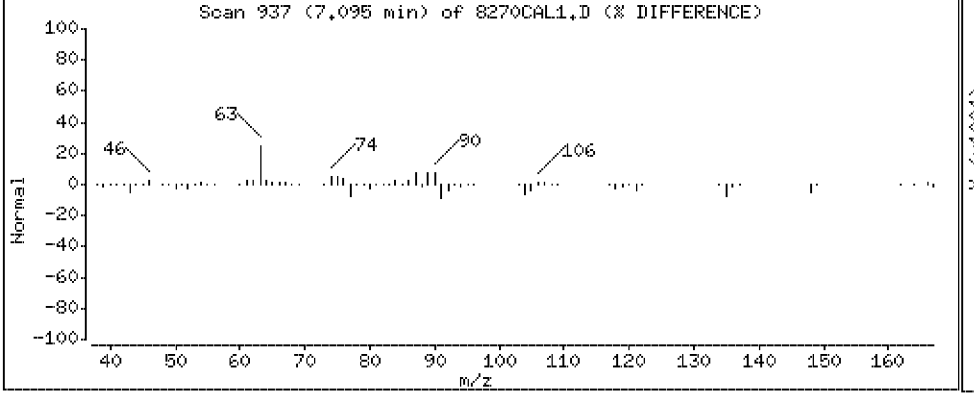












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

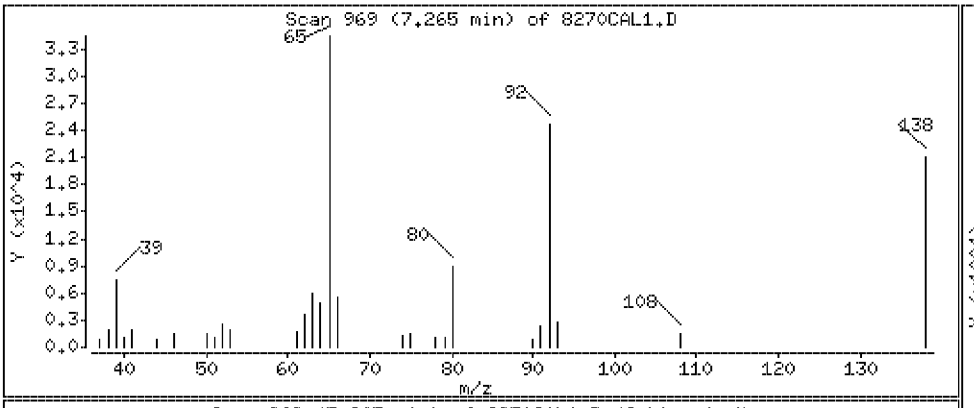
Operator: PEL

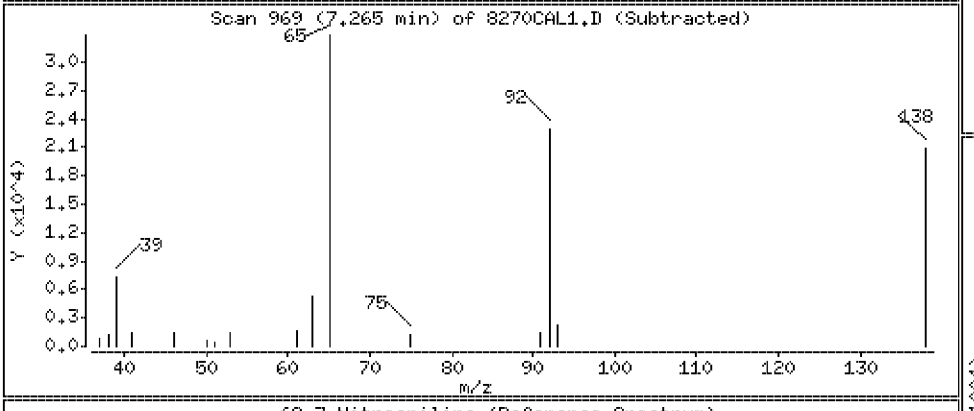
Column phase: HPMS-5

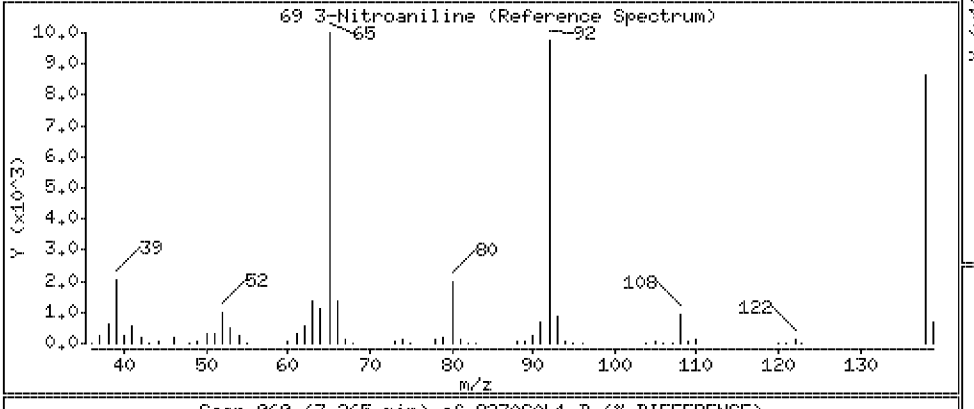
Column diameter: 0.25

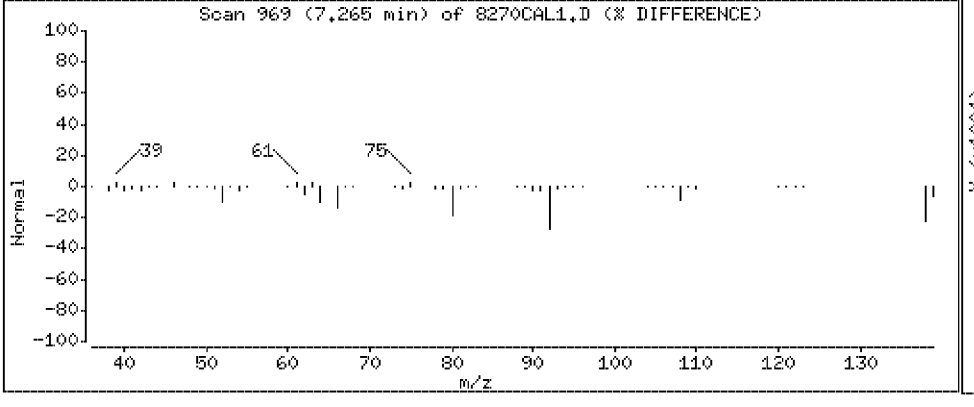
69 3-Nitroaniline

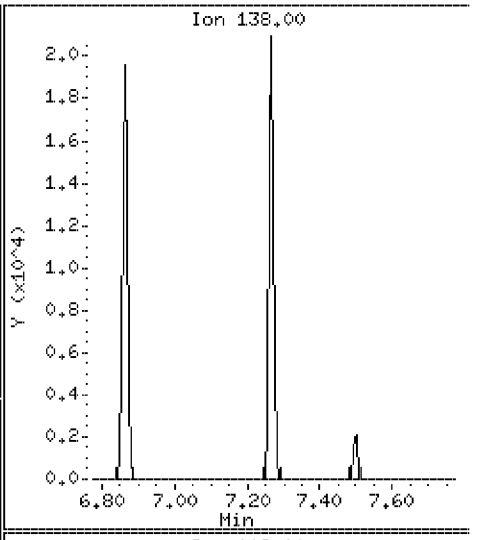
Concentration: 3.8 ug/l

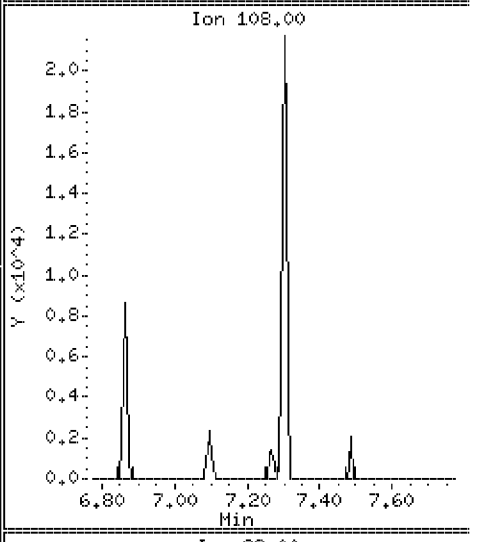


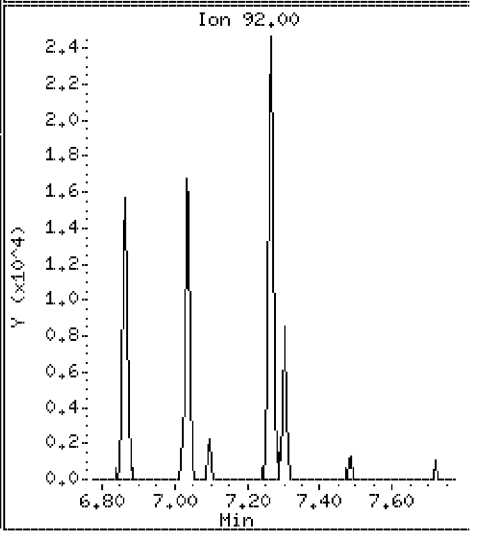












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

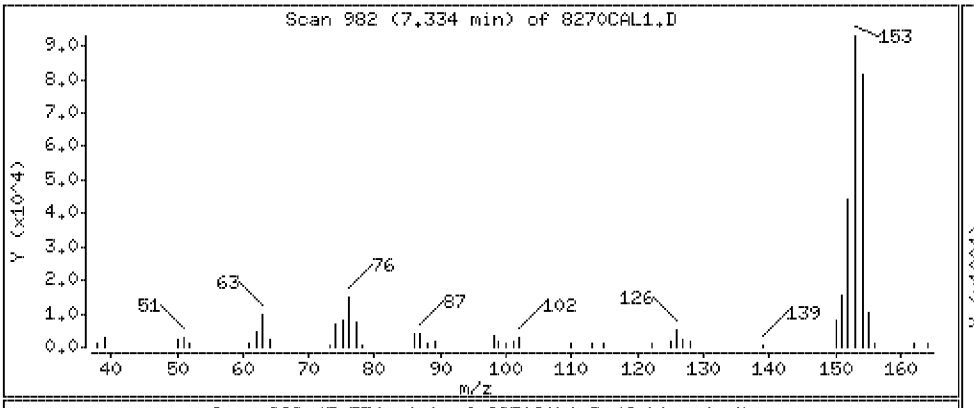
Operator: PEL

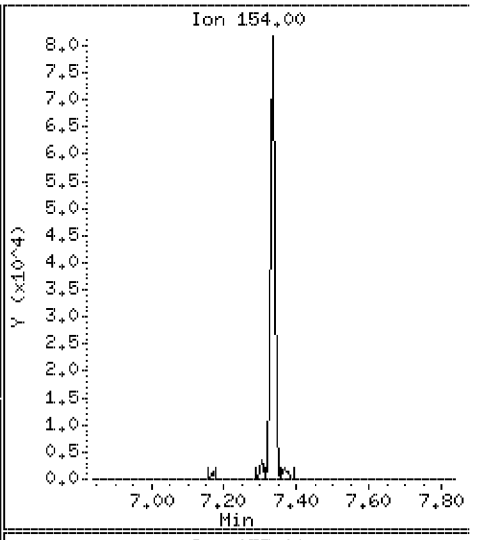
Column phase: HPMS-5

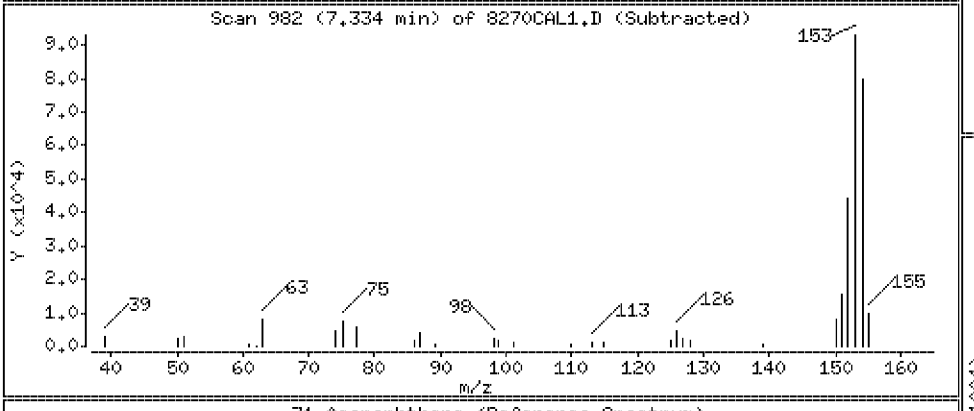
Column diameter: 0.25

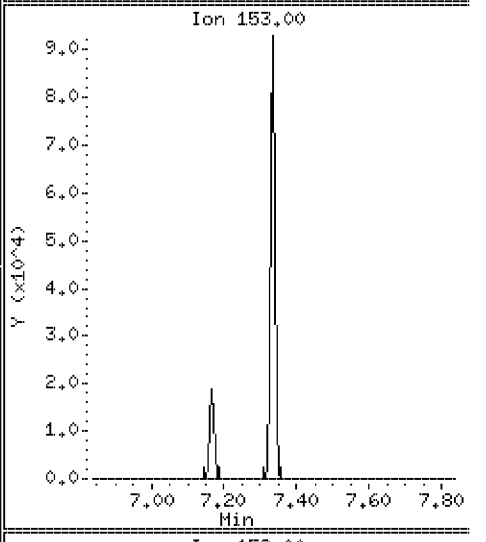
71 Acenaphthene

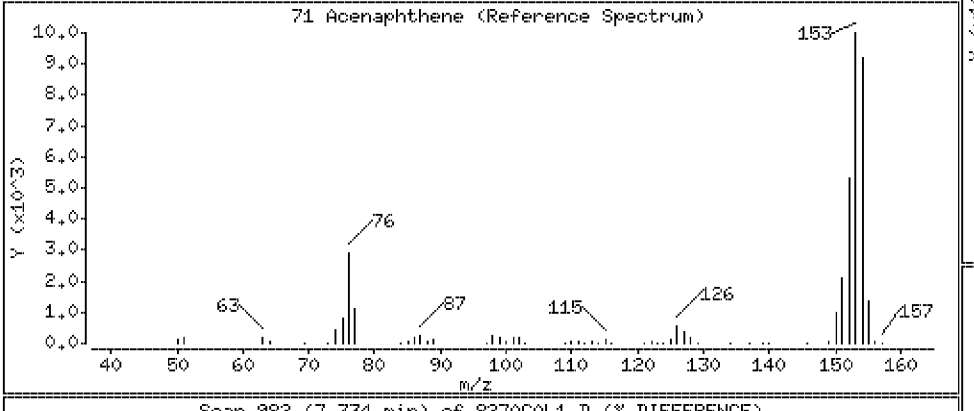
Concentration: 3.6 ug/l

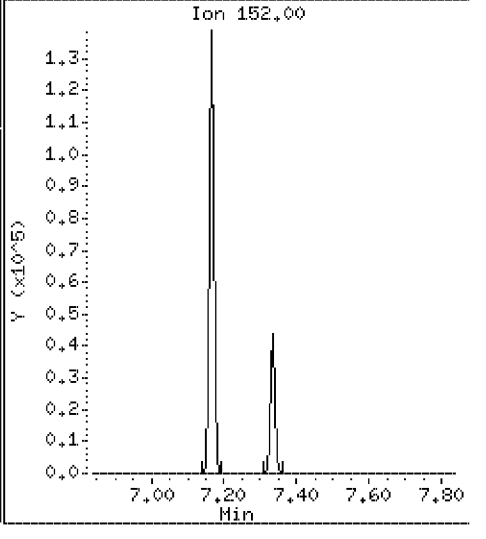


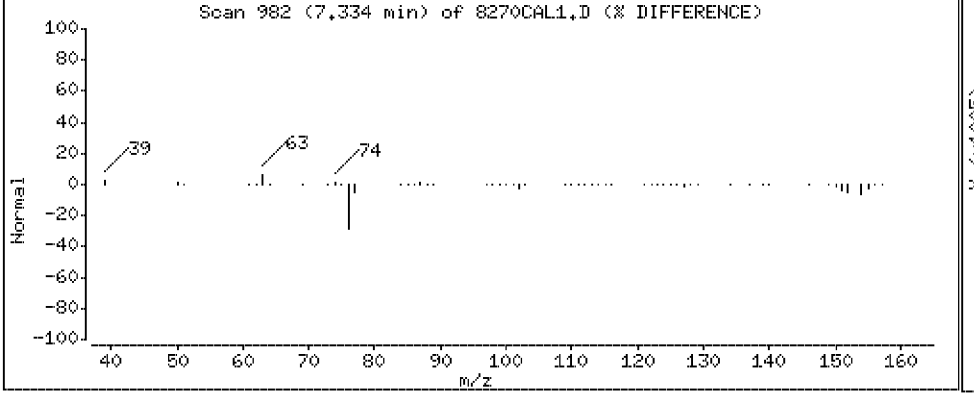












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

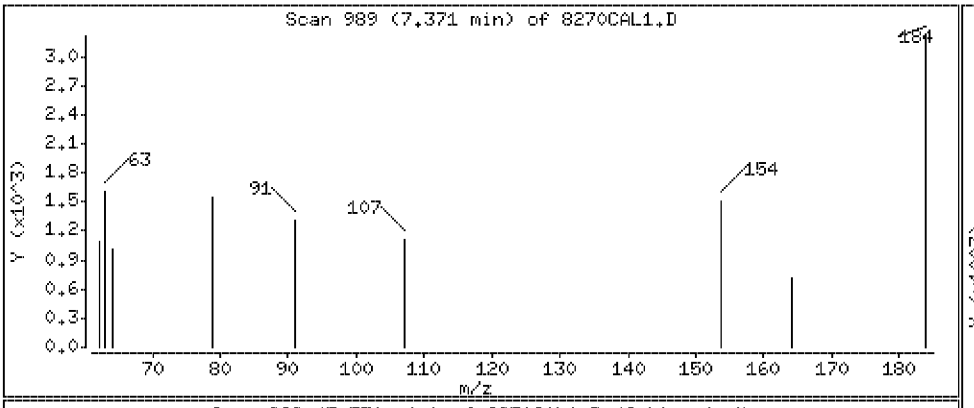
Client ID: 8270CAL1 Instrument: smsd03.i

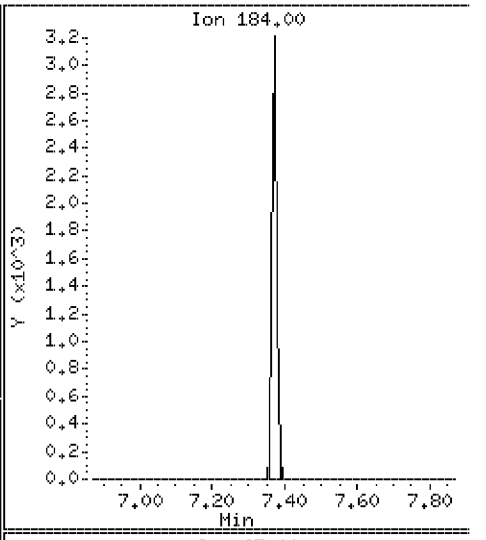
Sample Info: 45927

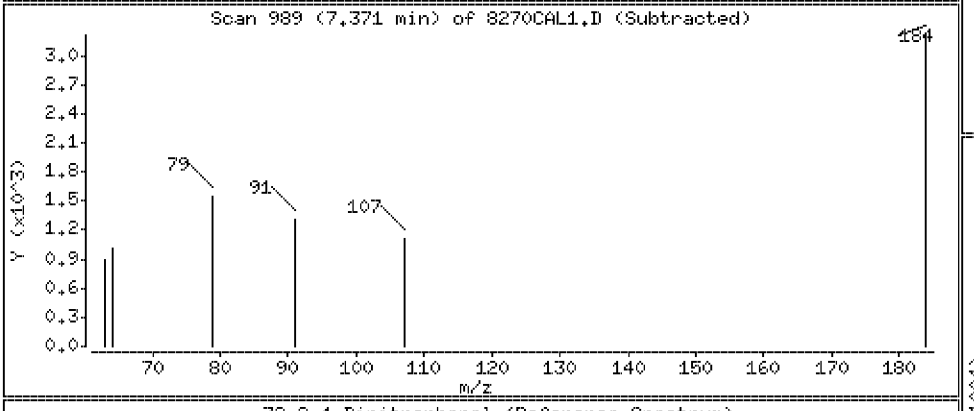
Purge Volume: 1000.0 Operator: PEL

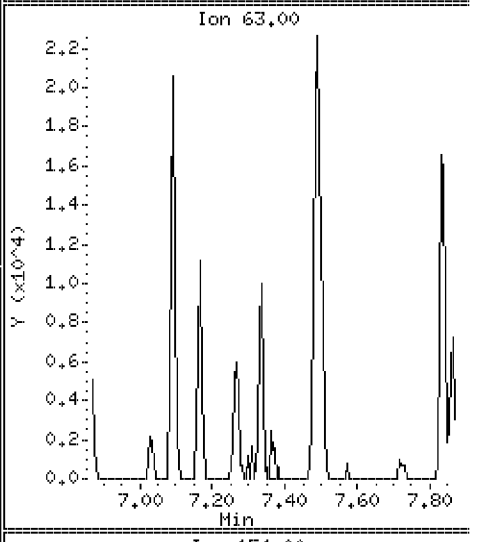
Column phase: HPMS-5 Column diameter: 0.25

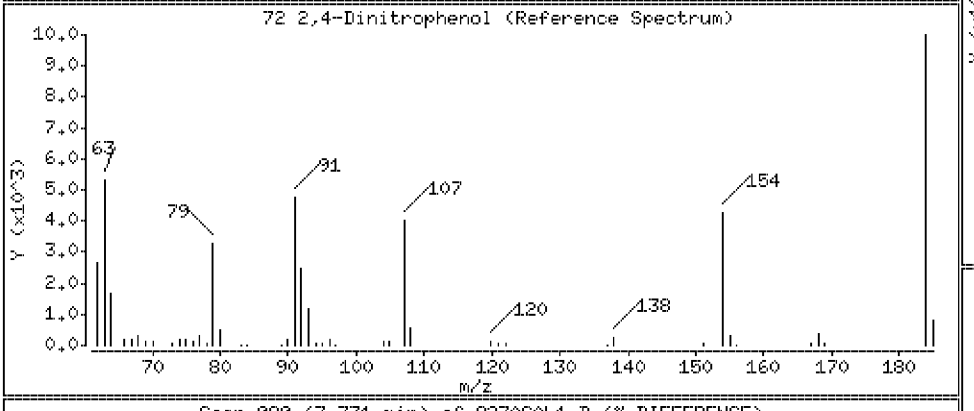
72 2,4-Dinitrophenol Concentration: 7.7 ug/l

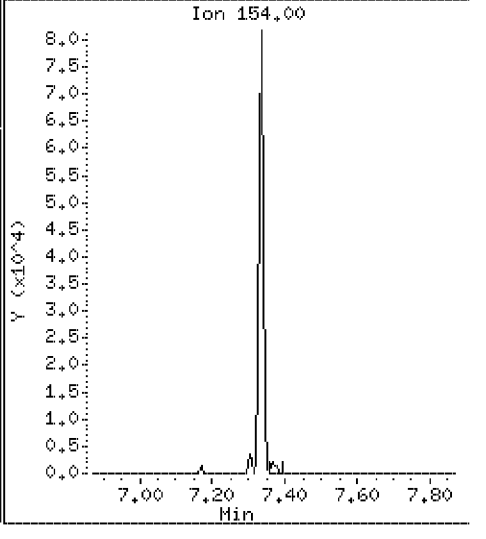


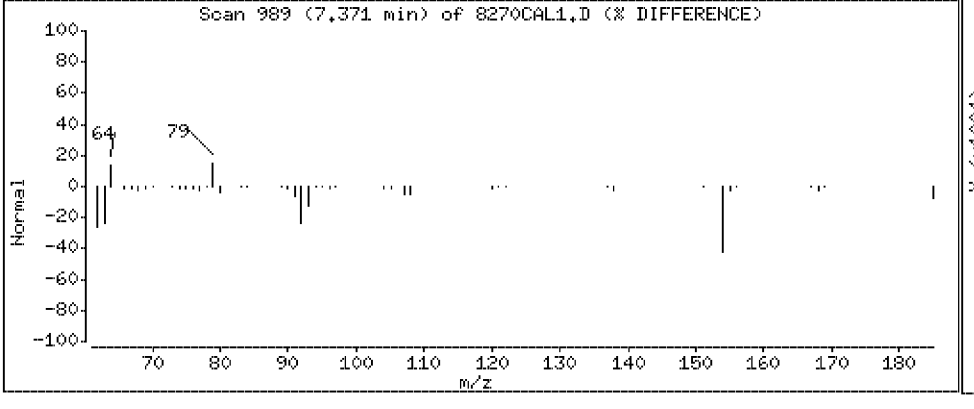












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

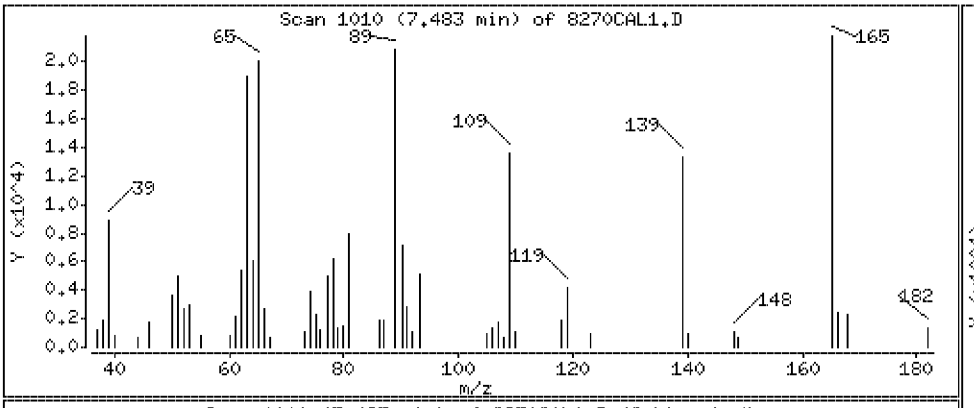
Operator: PEL

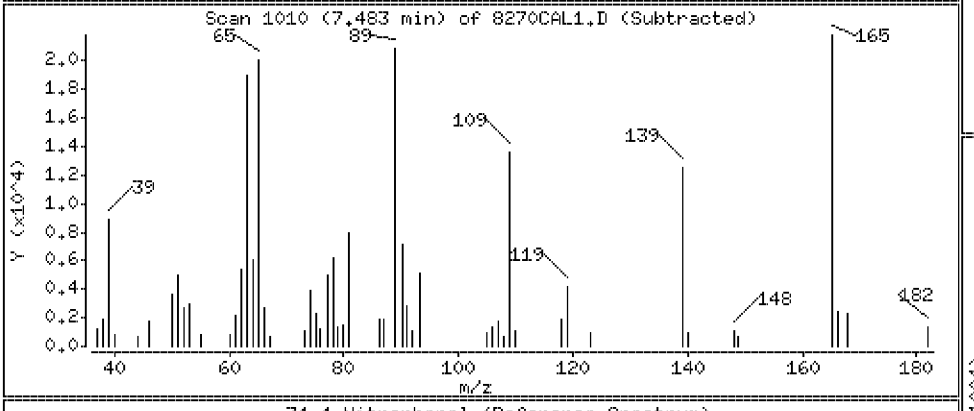
Column phase: HPMS-5

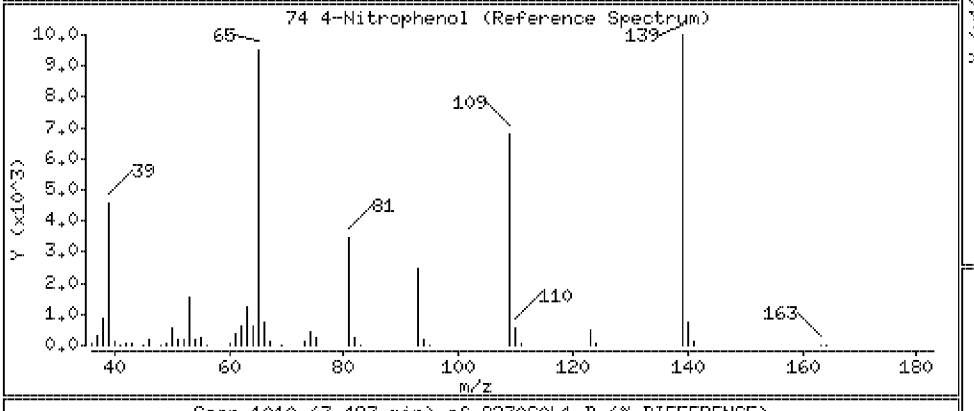
Column diameter: 0.25

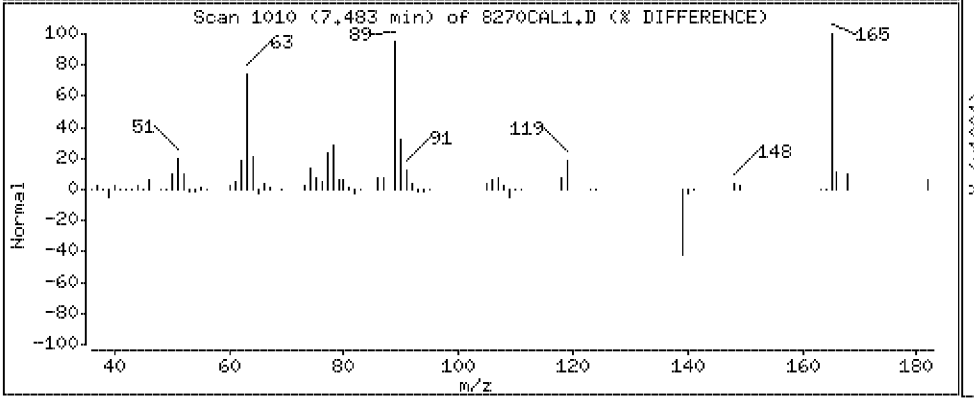
74 4-Nitrophenol

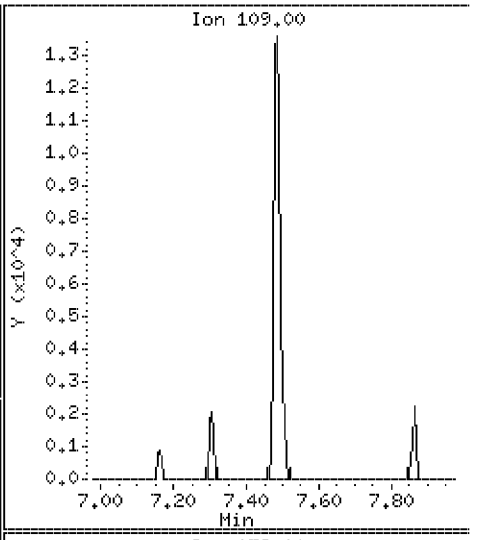
Concentration: 3.2 ug/l

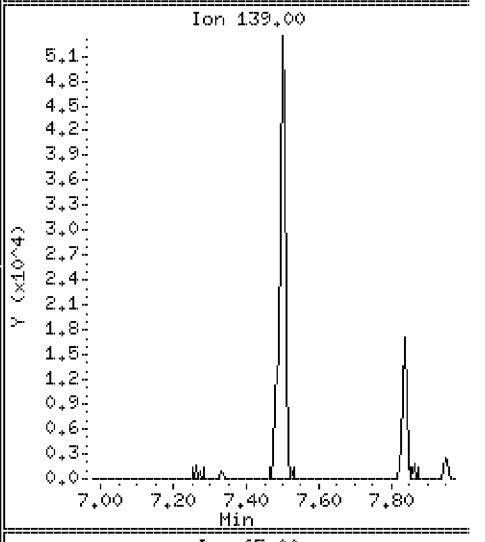


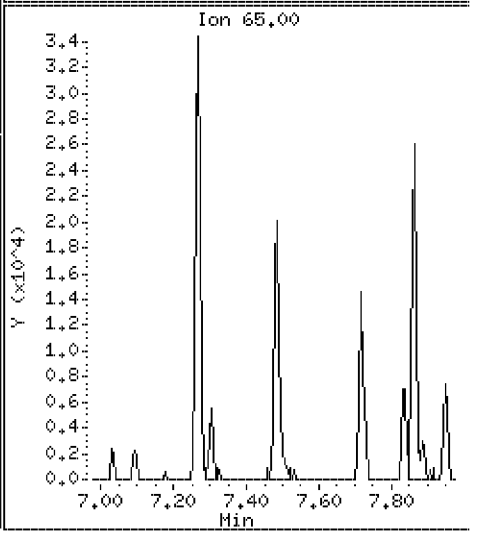












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

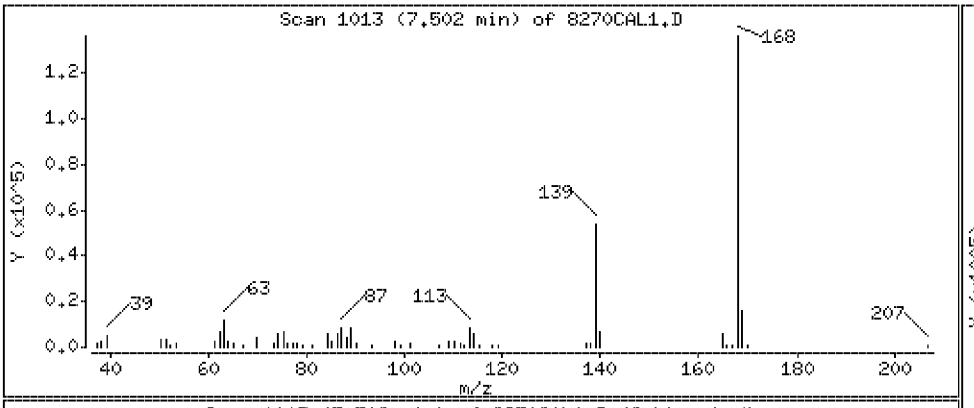
Operator: PEL

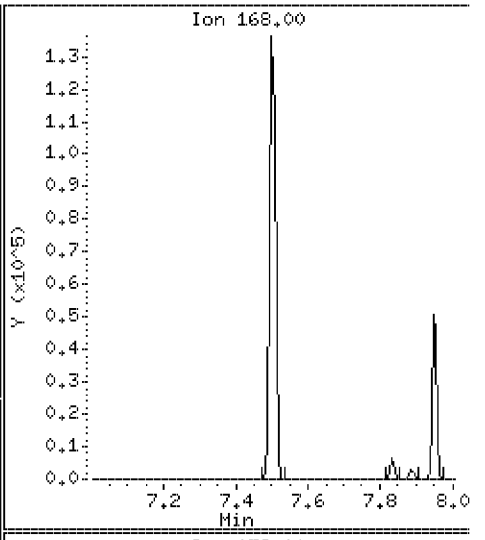
Column phase: HPMS-5

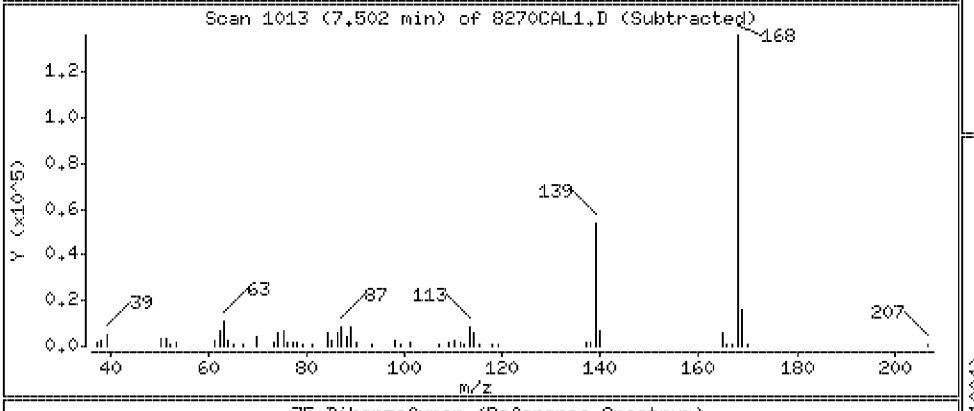
Column diameter: 0.25

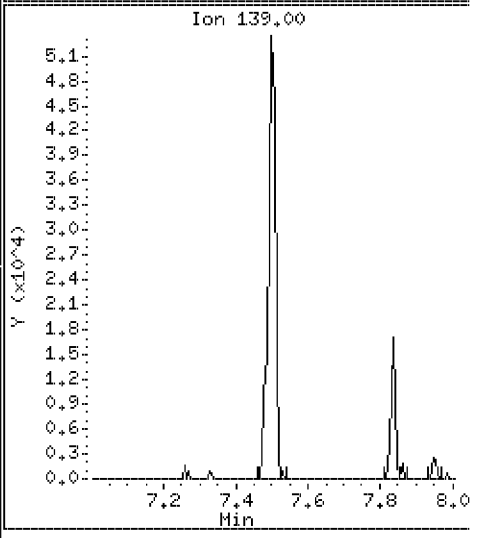
75 Dibenzofuran

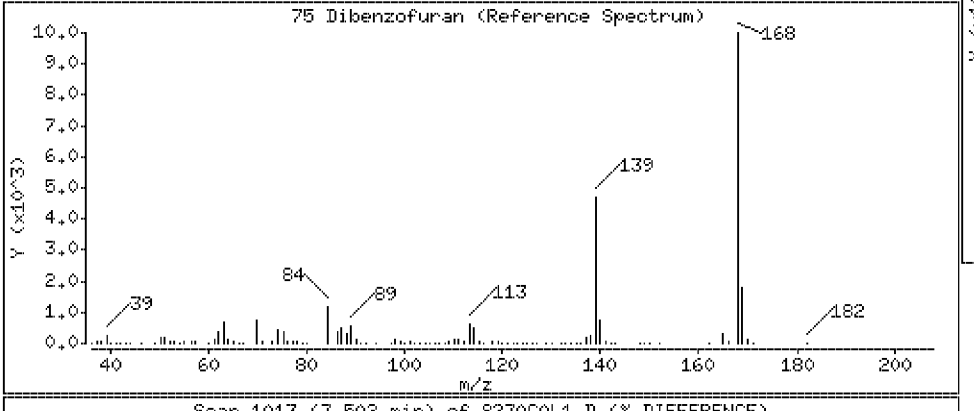
Concentration: 3.9 ug/l

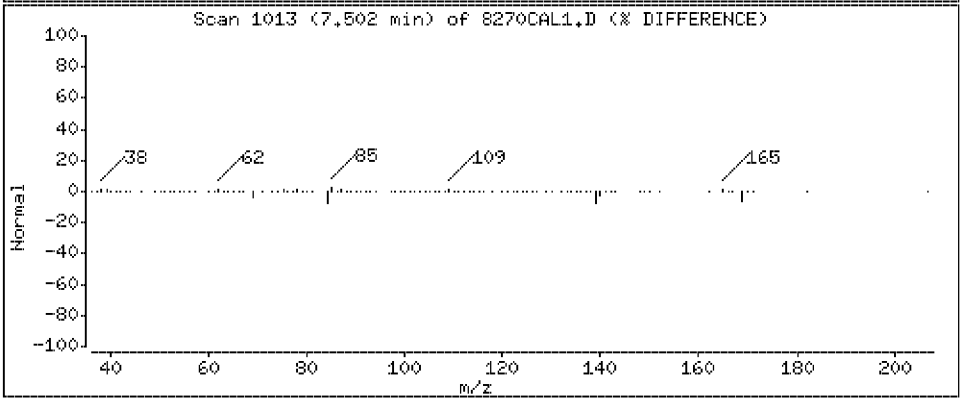












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

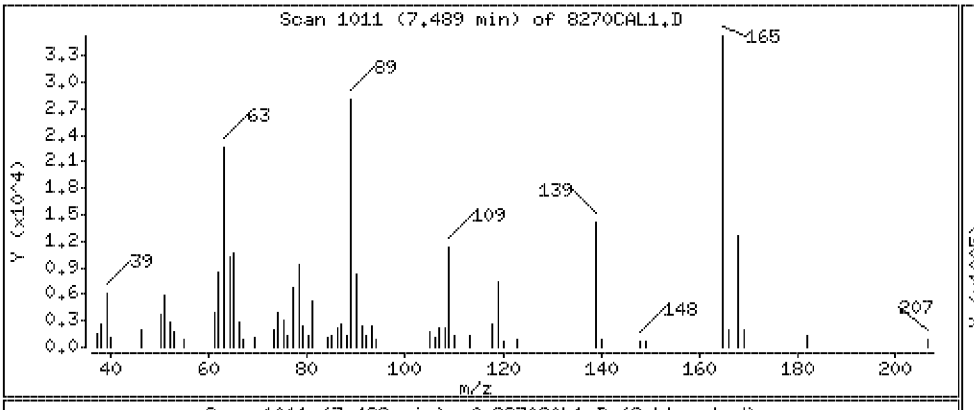
Operator: PEL

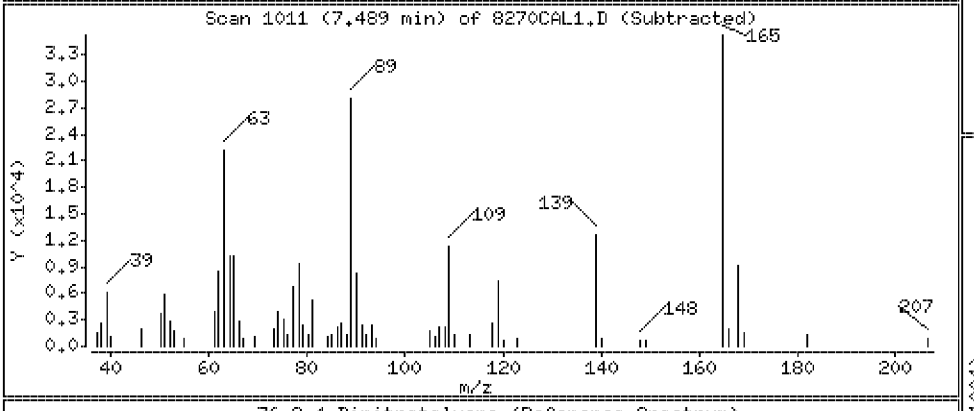
Column phase: HPMS-5

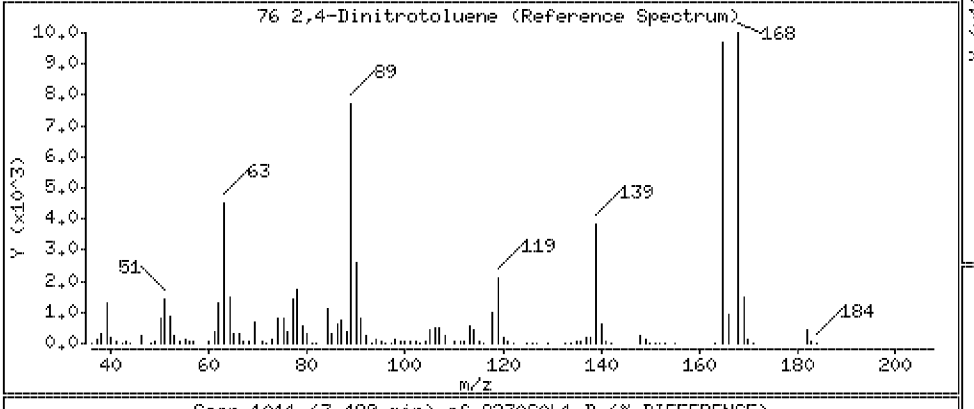
Column diameter: 0.25

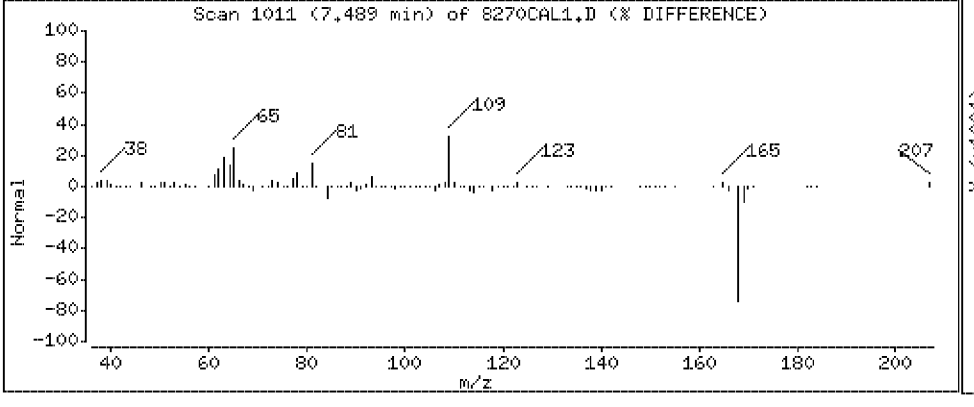
76 2,4-Dinitrotoluene

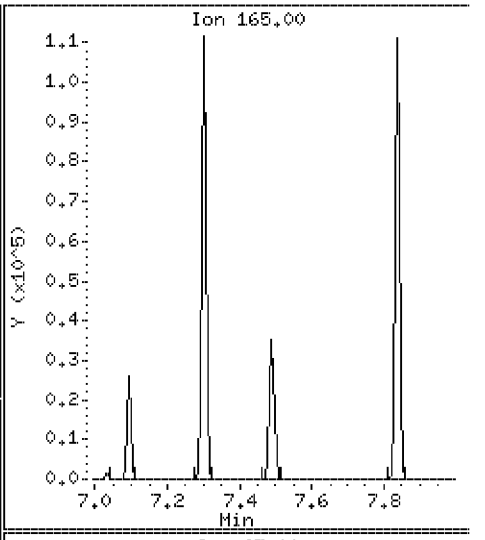
Concentration: 3.5 ug/l

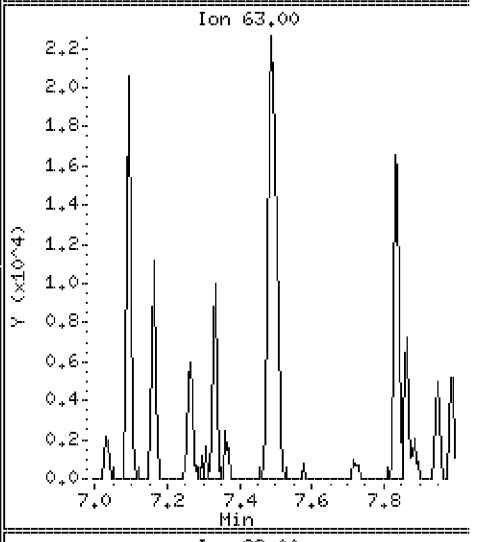


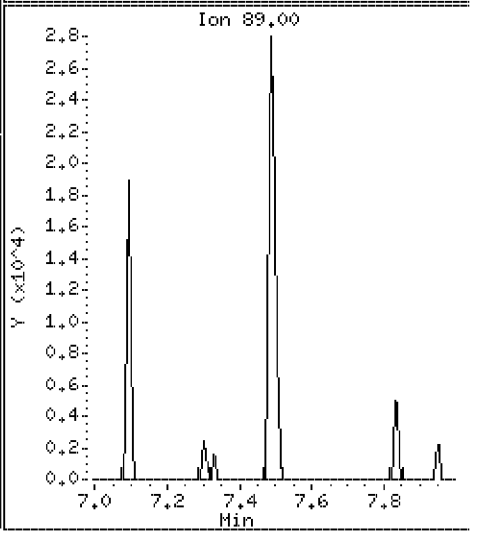












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

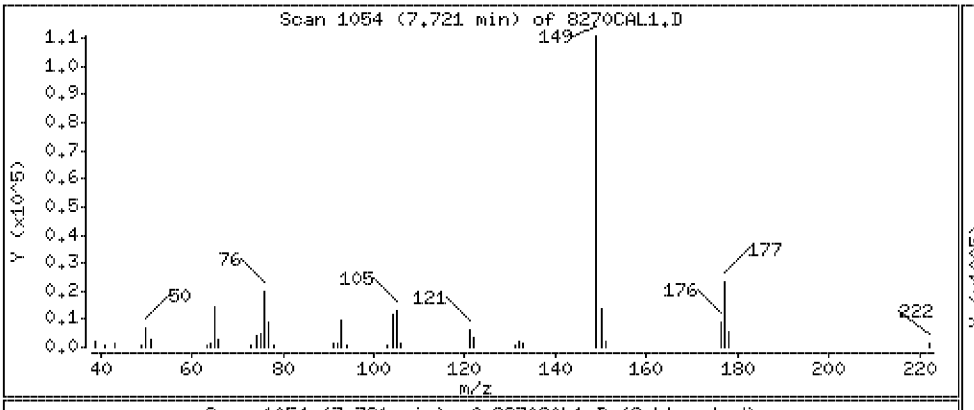
Operator: PEL

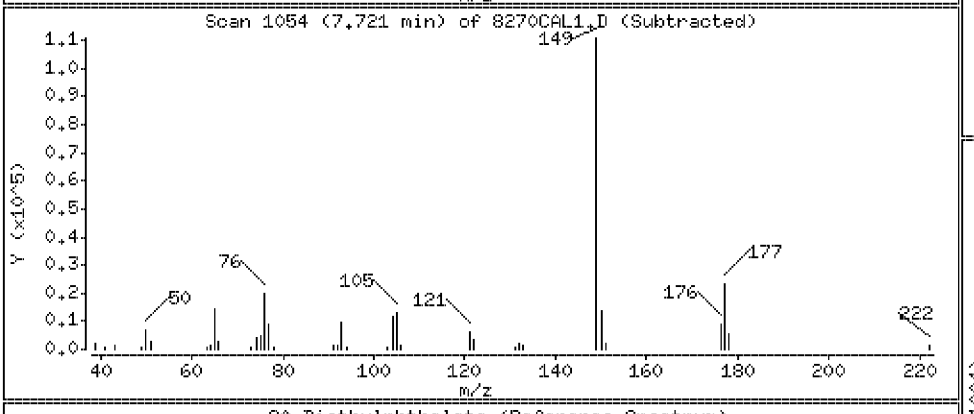
Column phase: HPMS-5

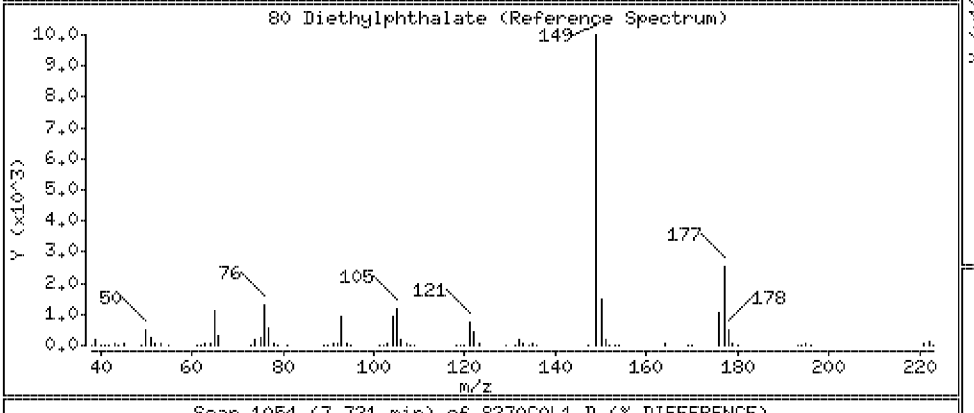
Column diameter: 0.25

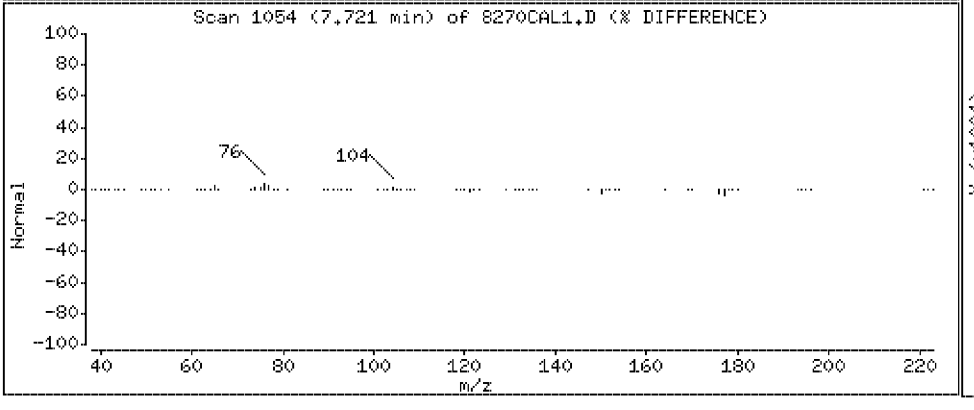
80 Diethylphthalate

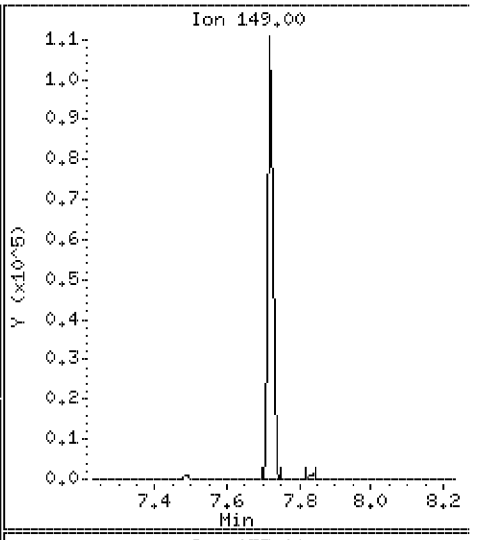
Concentration: 4.0 ug/l

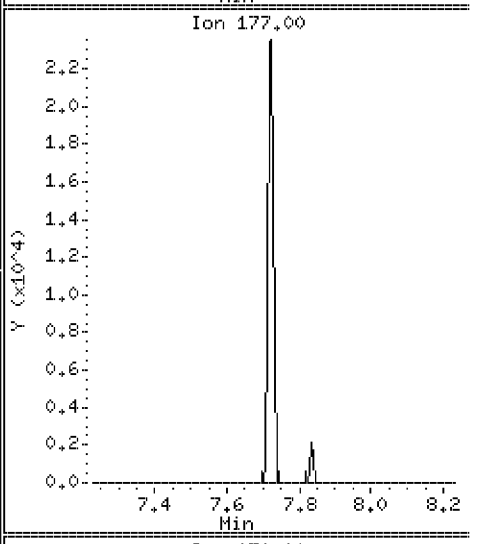


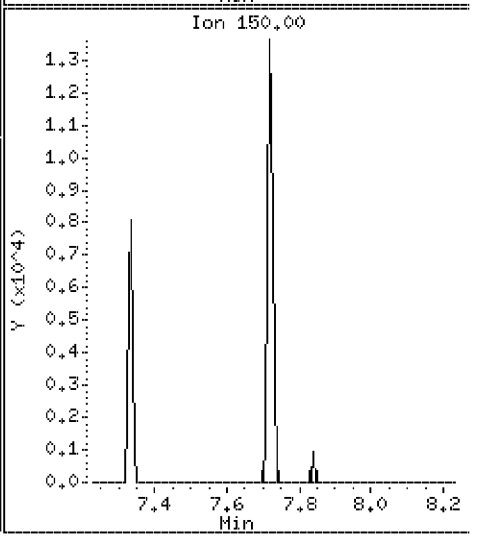












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

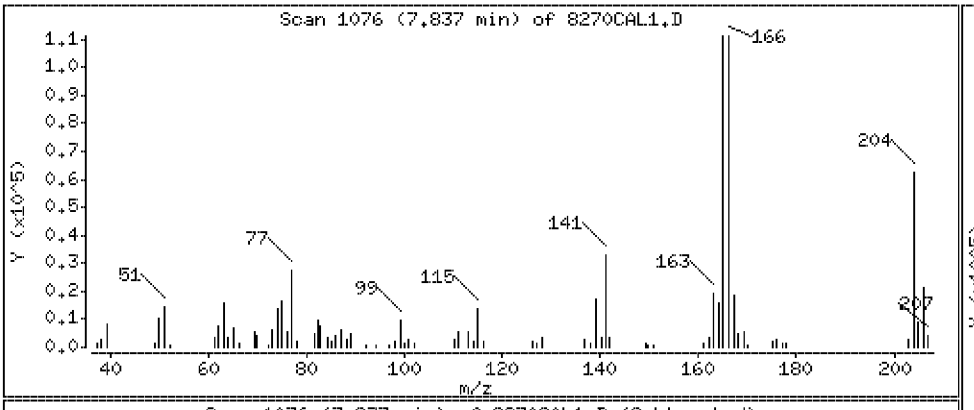
Operator: PEL

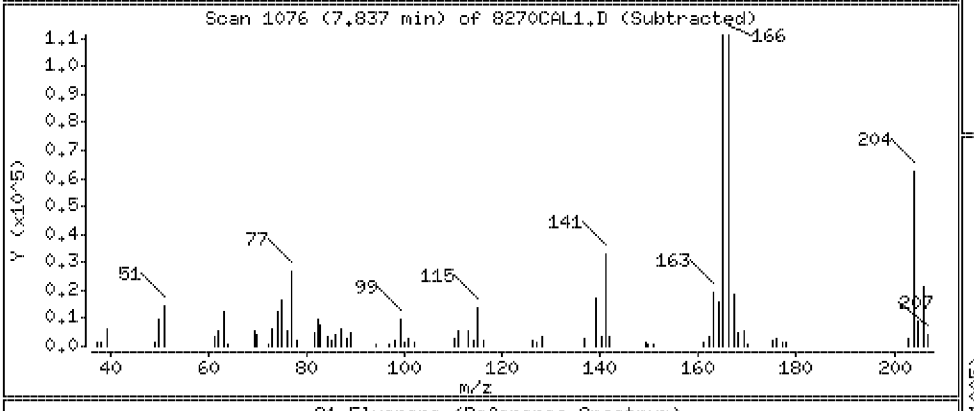
Column phase: HPMS-5

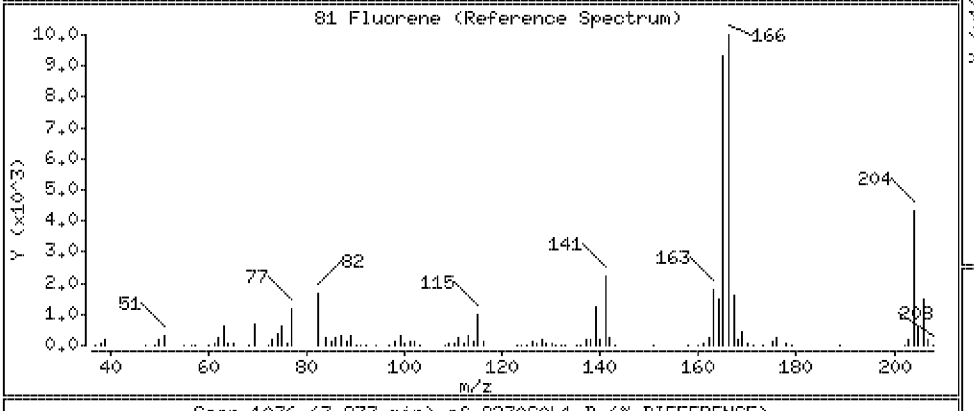
Column diameter: 0.25

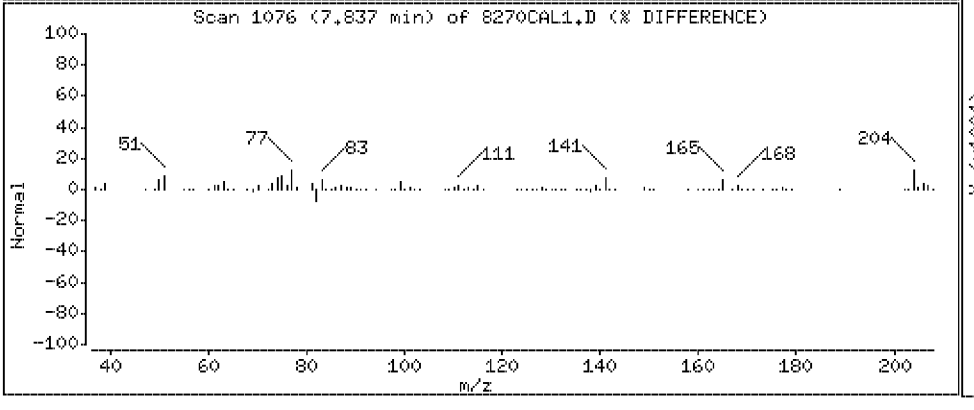
81 Fluorene

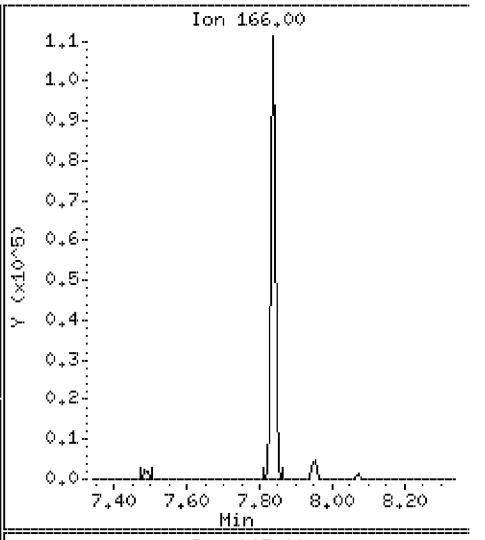
Concentration: 3.5 ug/l

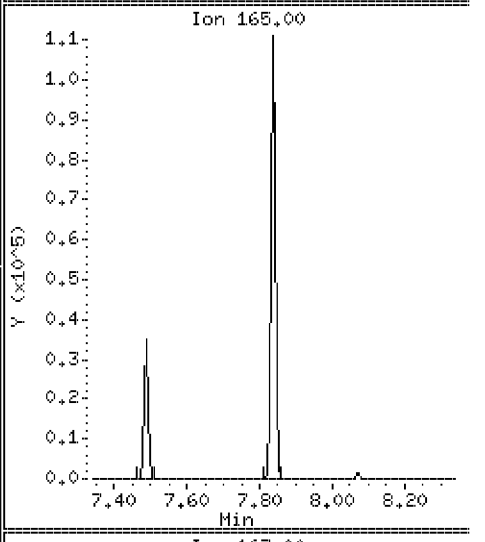


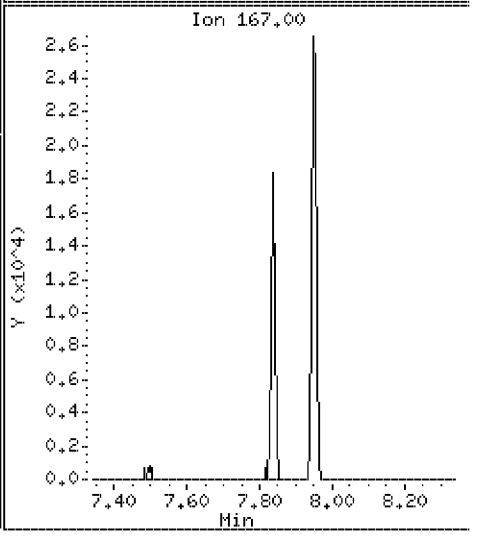












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

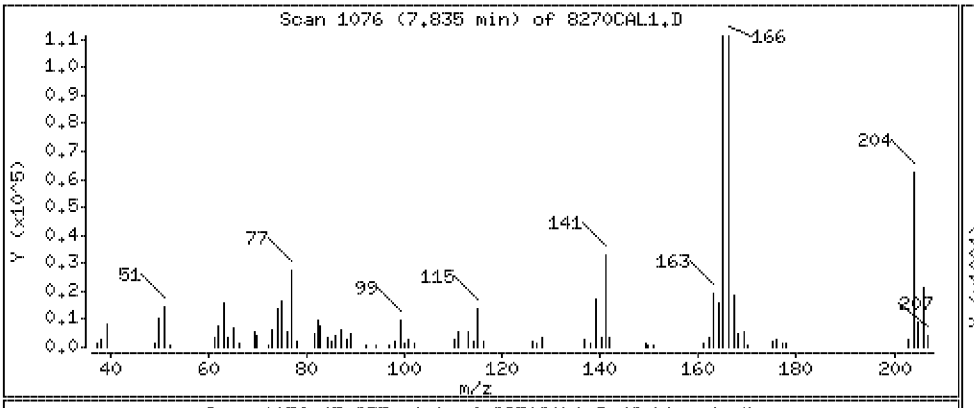
Operator: PEL

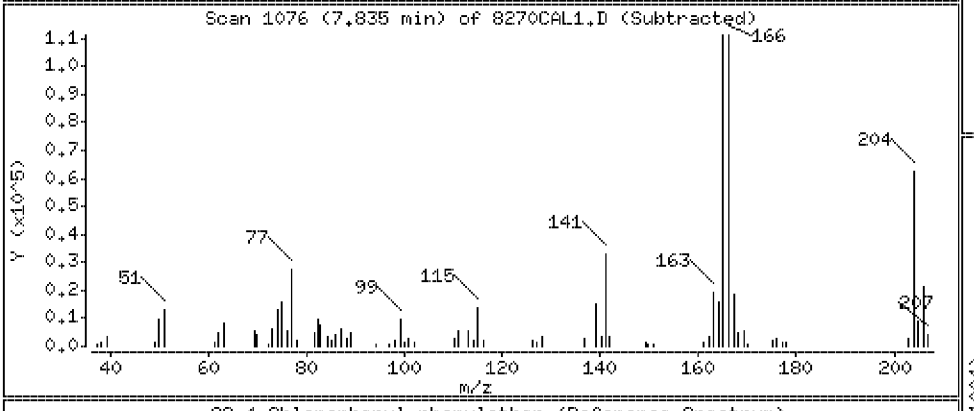
Column phase: HPMS-5

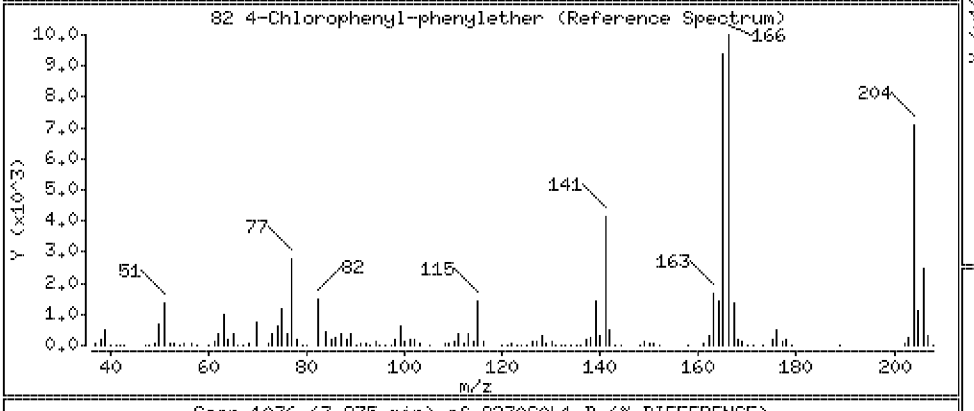
Column diameter: 0.25

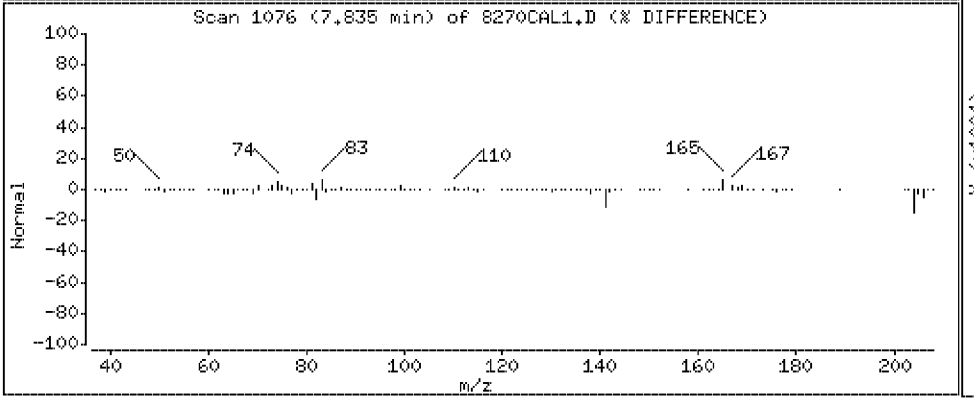
82 4-Chlorophenyl-phenylether

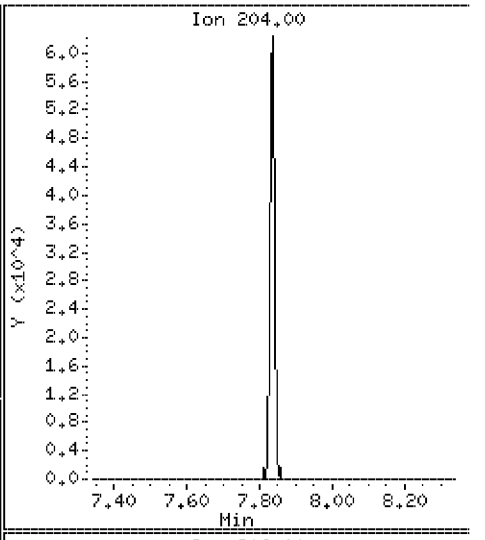
Concentration: 3.4 ug/l

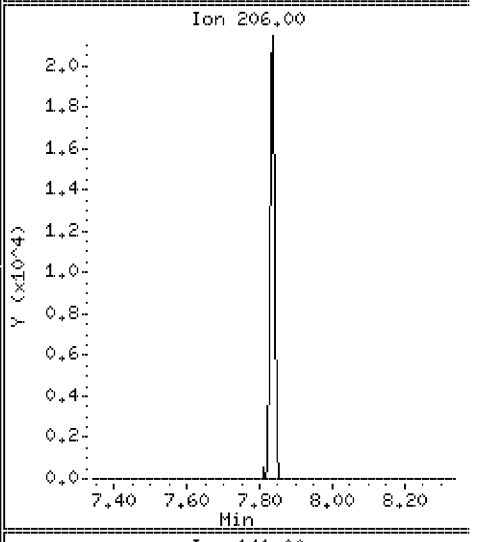


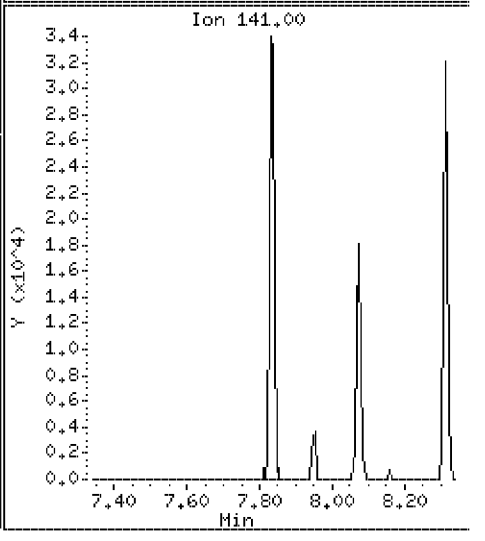












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

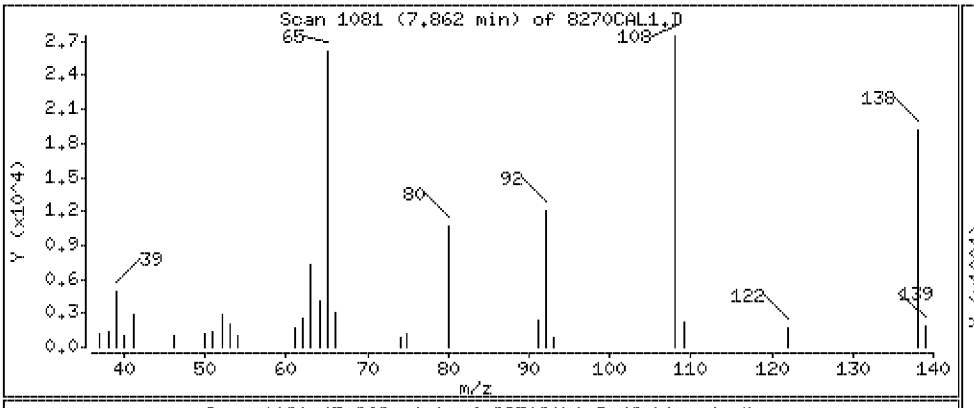
Operator: PEL

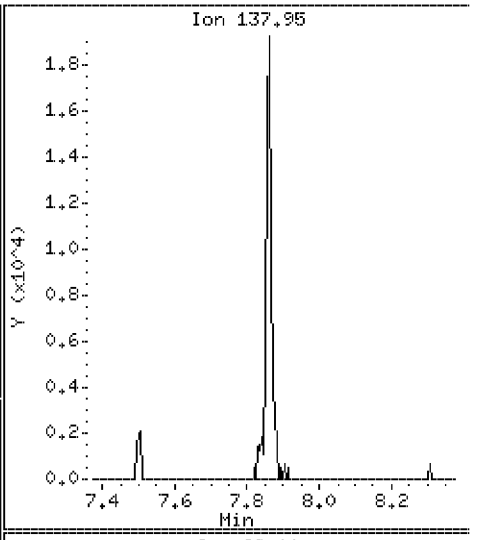
Column phase: HPMS-5

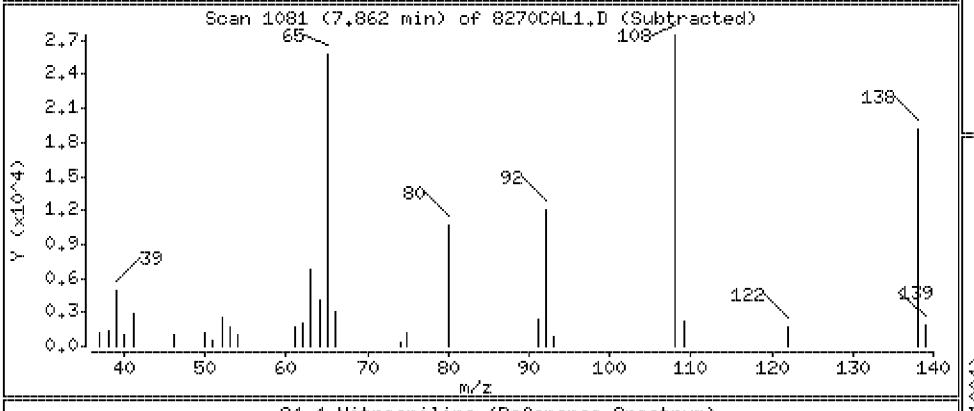
Column diameter: 0.25

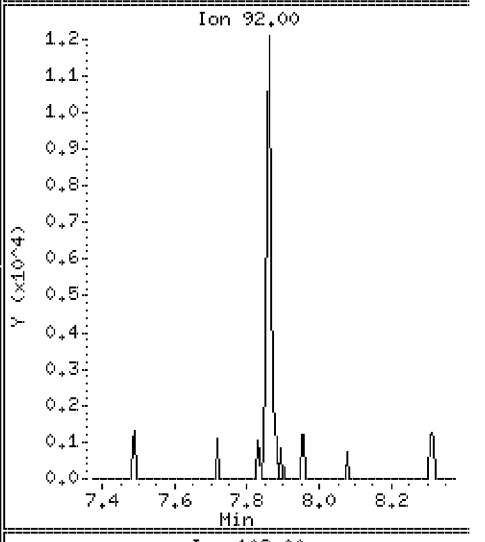
84 4-Nitroaniline

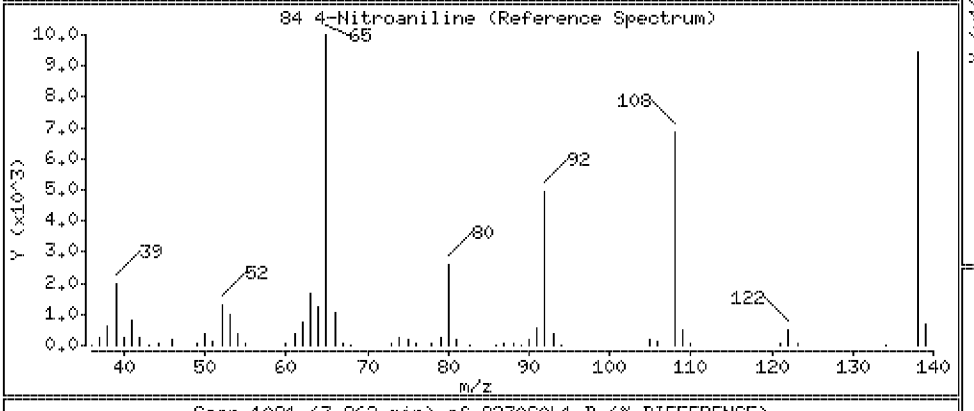
Concentration: 4.5 ug/l

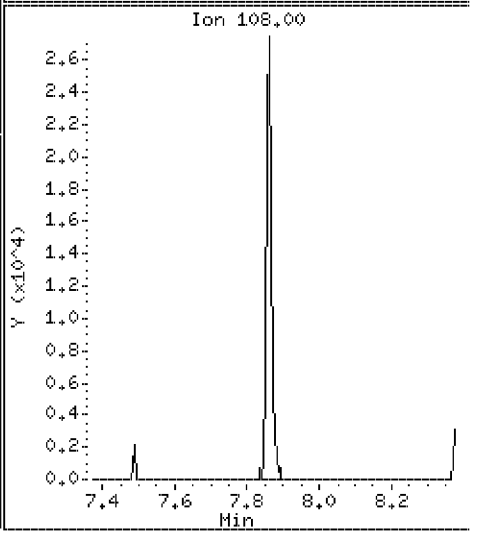


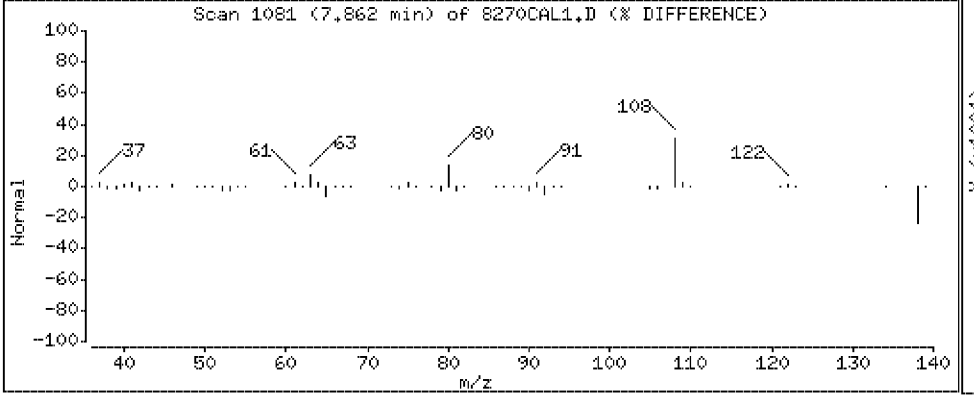












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

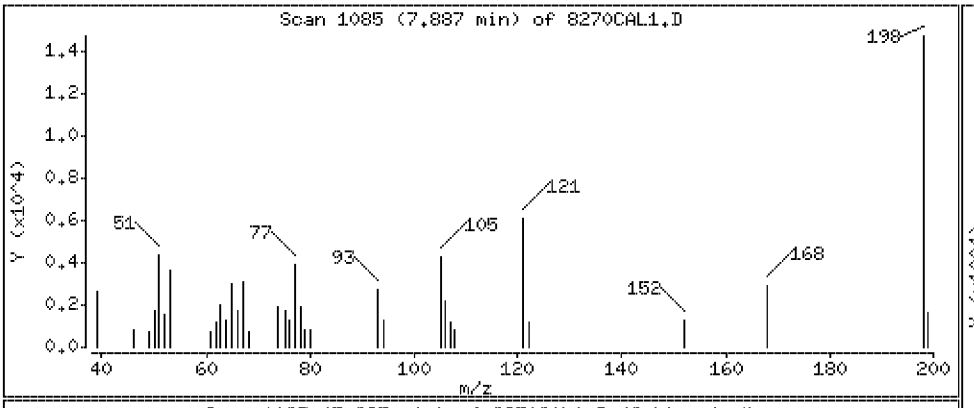
Operator: PEL

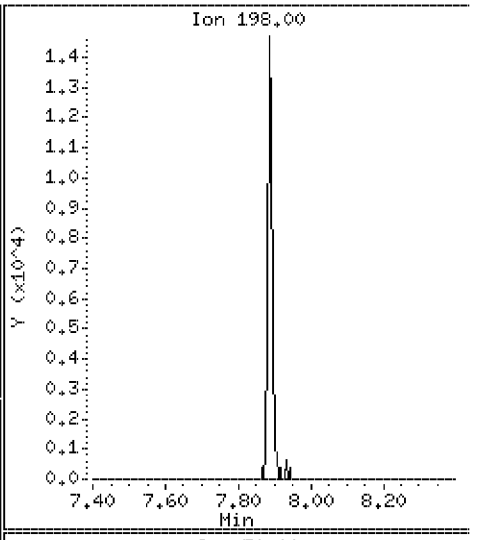
Column phase: HPMS-5

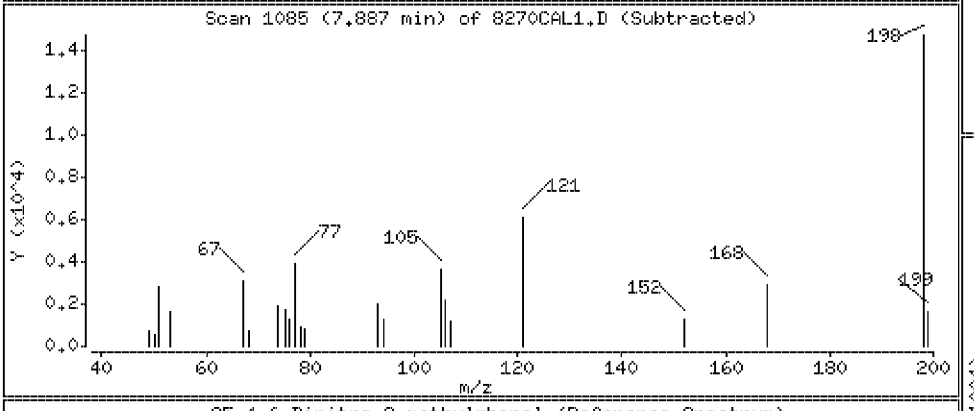
Column diameter: 0.25

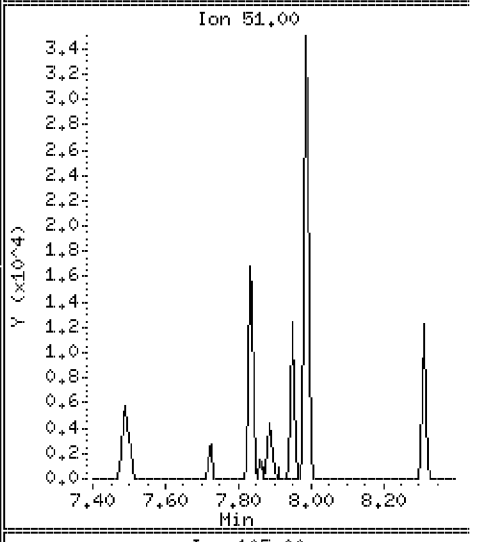
85 4,6-Dinitro-2-methylphenol

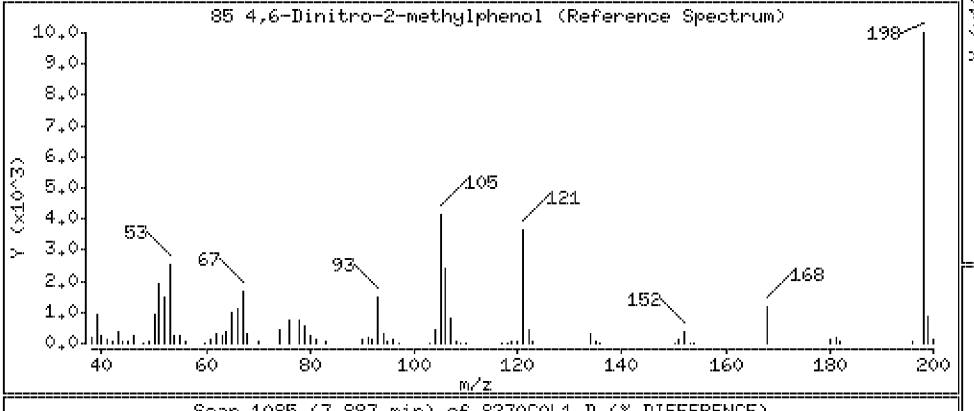
Concentration: 5.9 ug/l

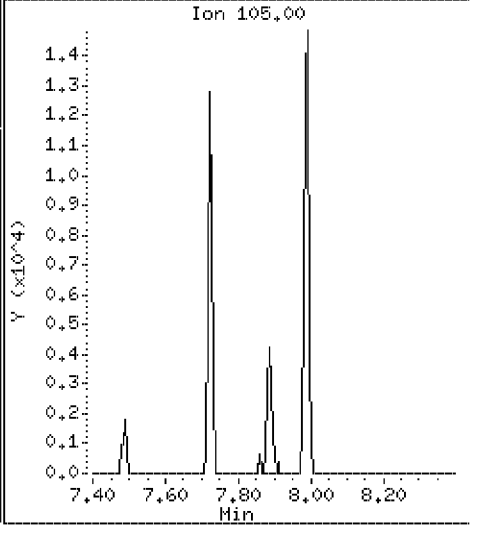


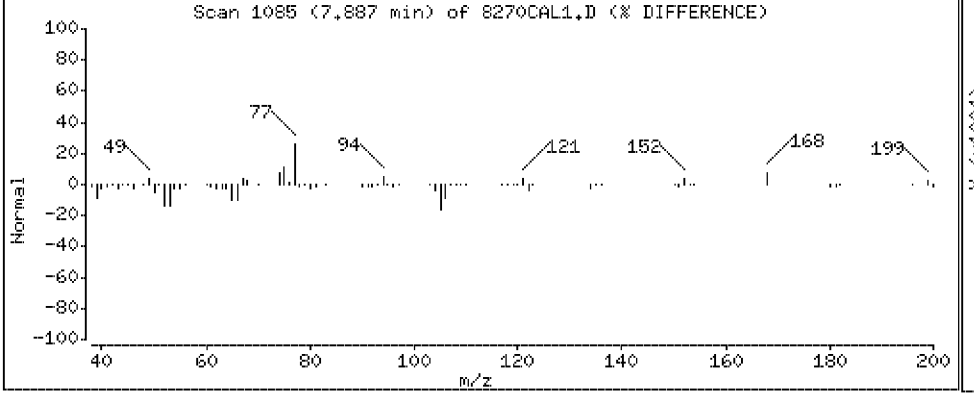












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

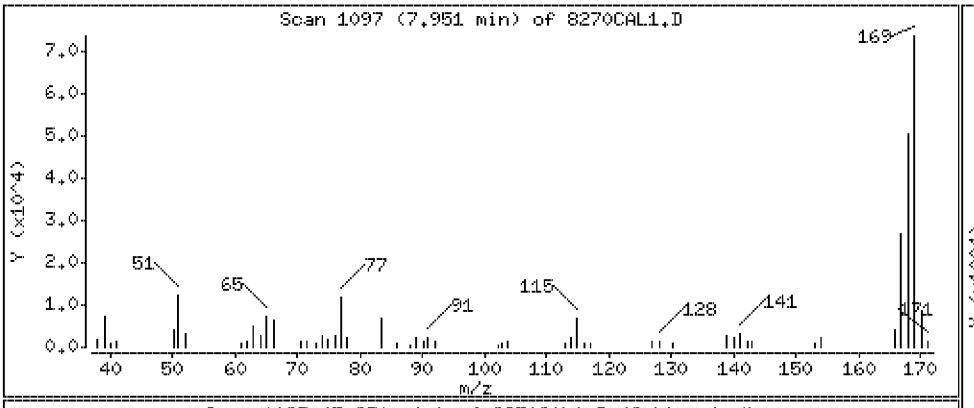
Operator: PEL

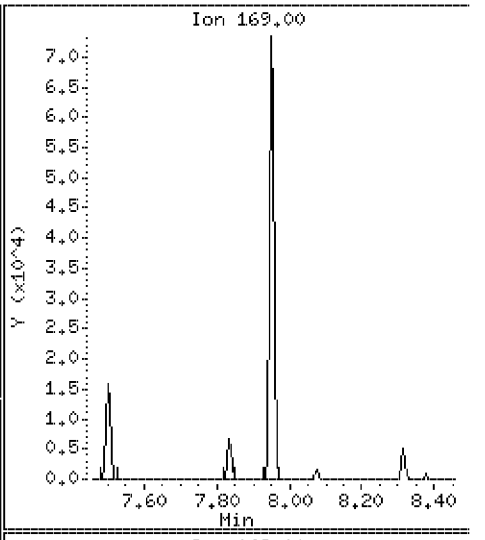
Column phase: HPMS-5

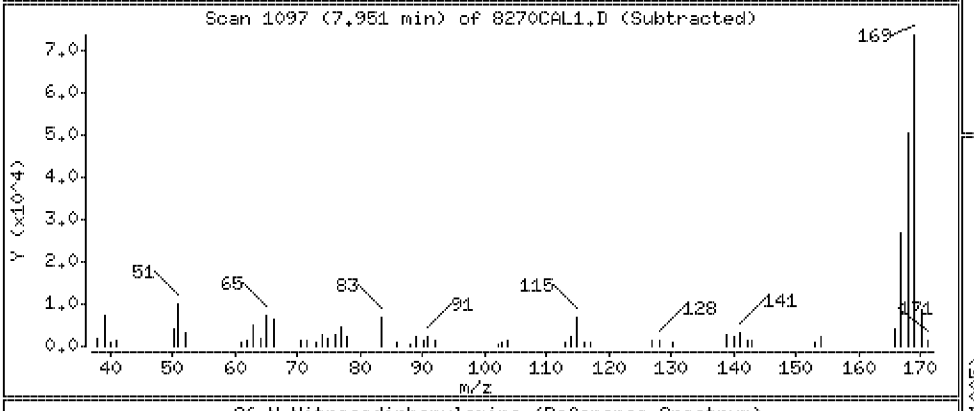
Column diameter: 0.25

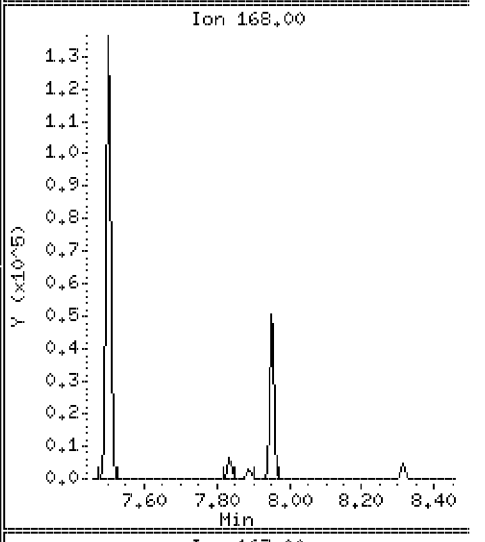
86 N-Nitrosodiphenylamine

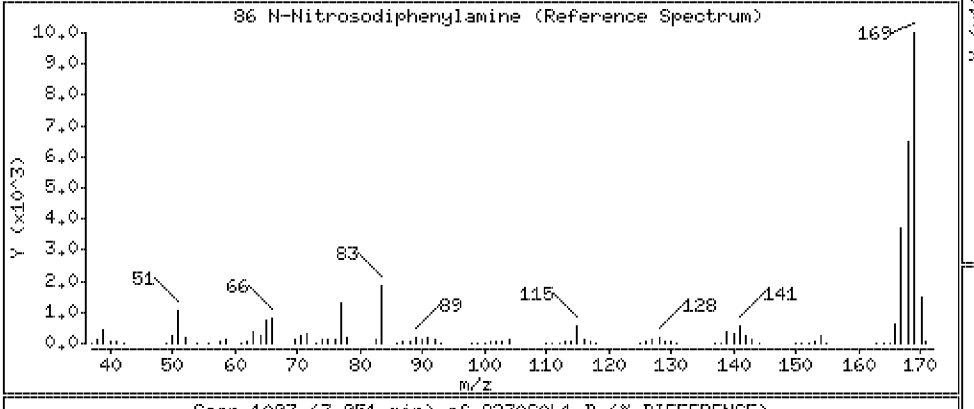
Concentration: 3.8 ug/l

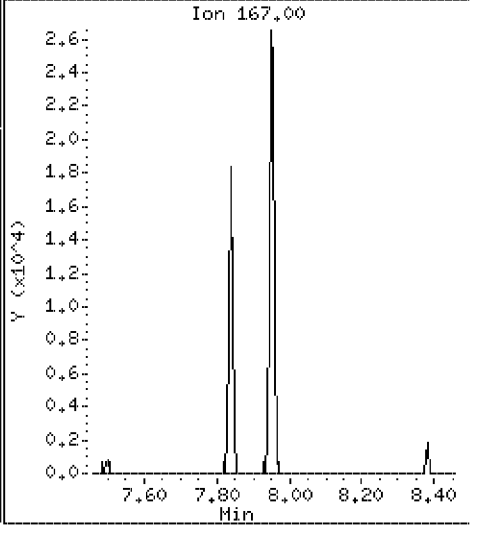


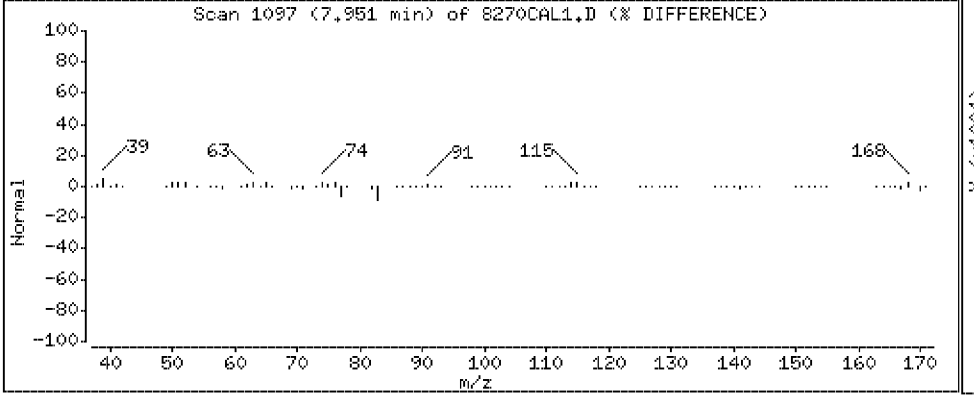












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

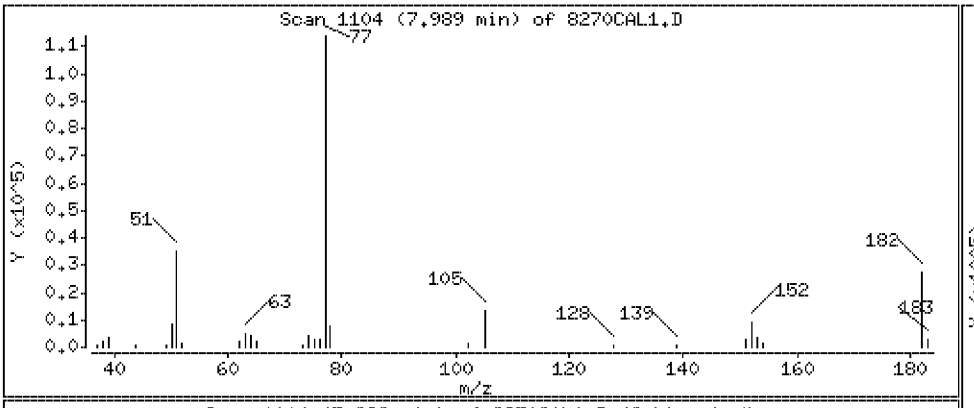
Operator: PEL

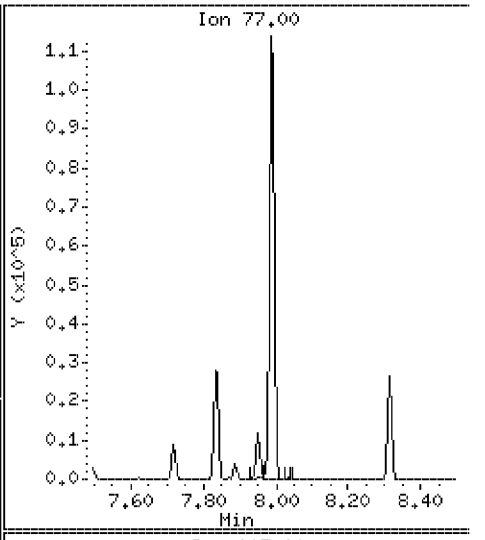
Column phase: HPMS-5

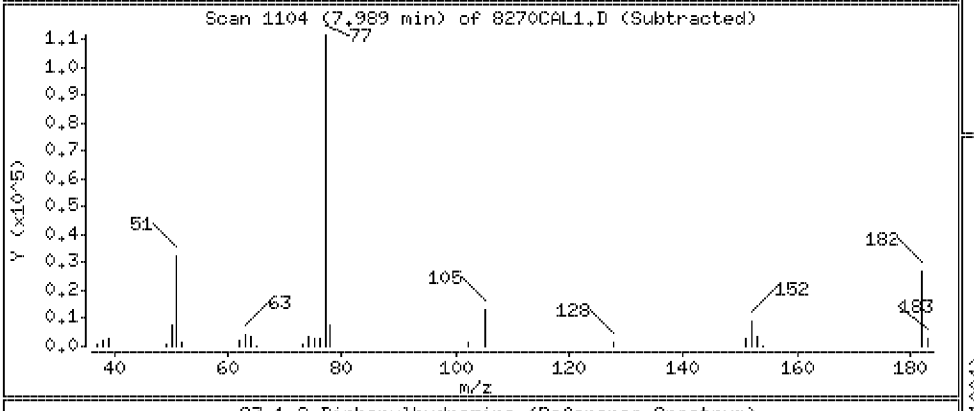
Column diameter: 0.25

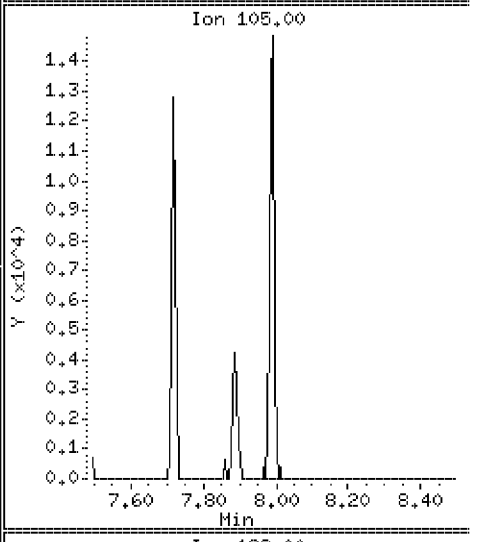
87 1,2-Diphenylhydrazine

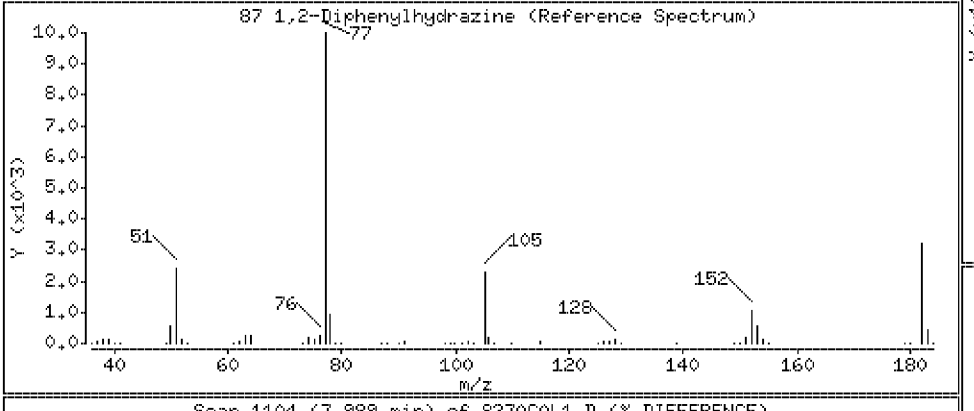
Concentration: 4.0 ug/l

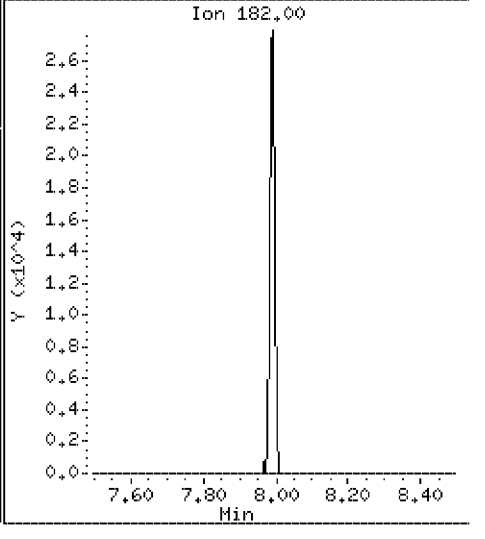


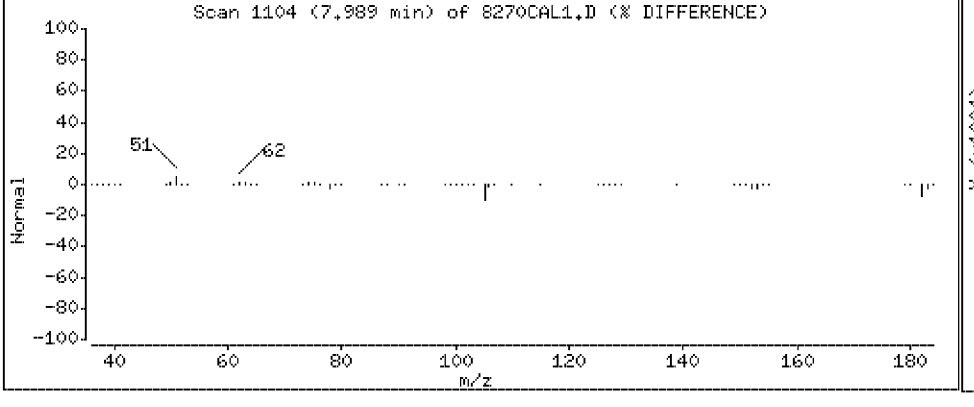












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

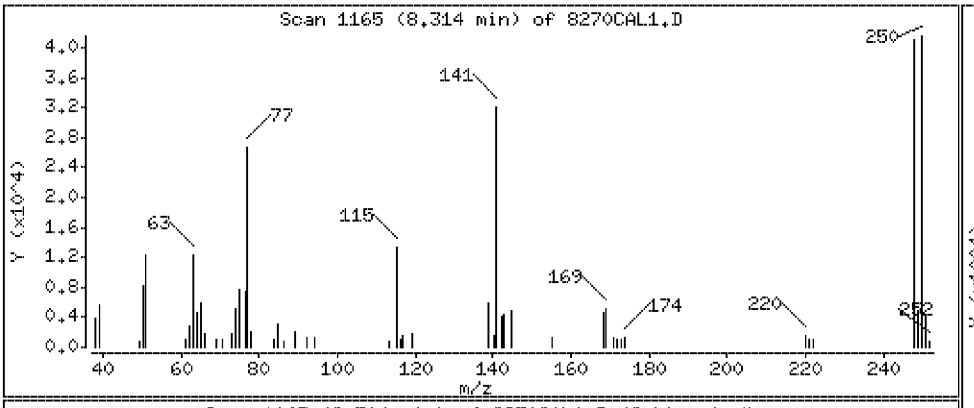
Operator: PEL

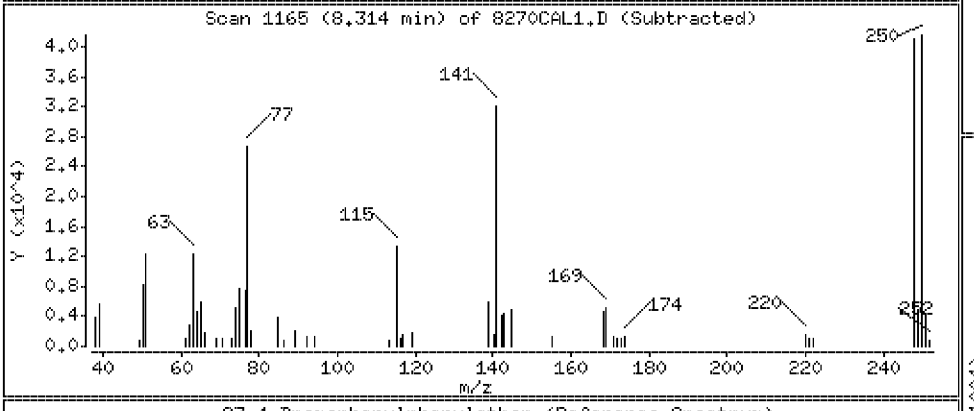
Column phase: HPMS-5

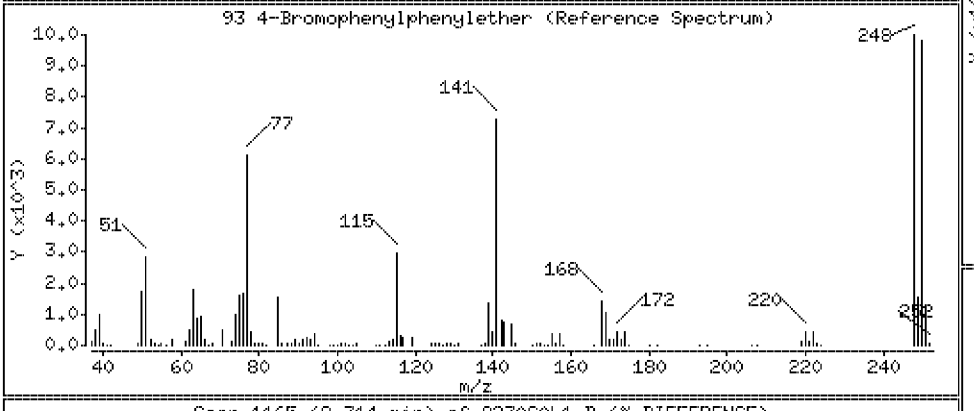
Column diameter: 0.25

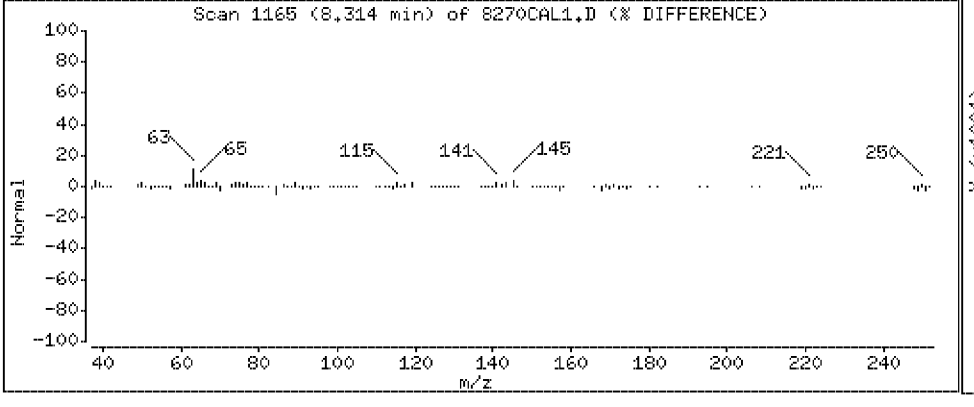
93 4-Bromophenylphenylether

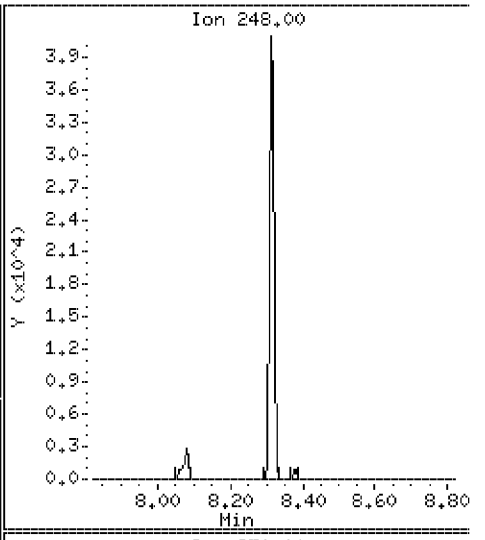
Concentration: 3.7 ug/l

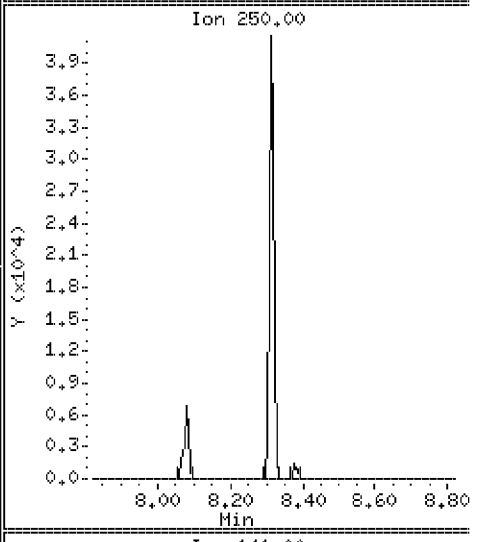


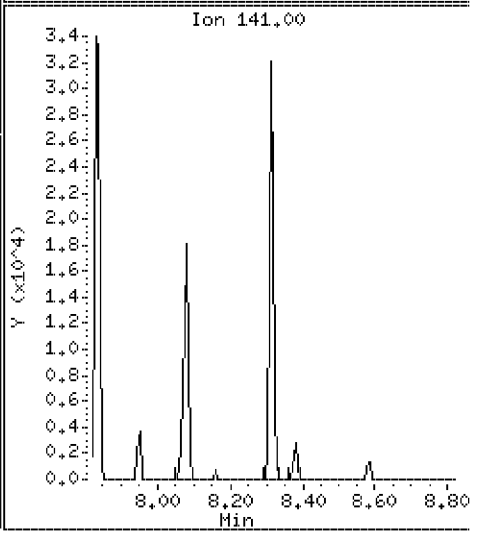












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

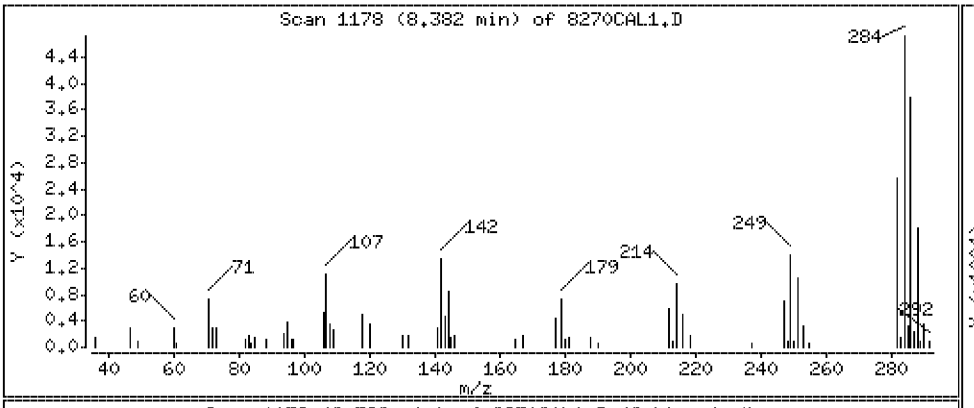
Operator: PEL

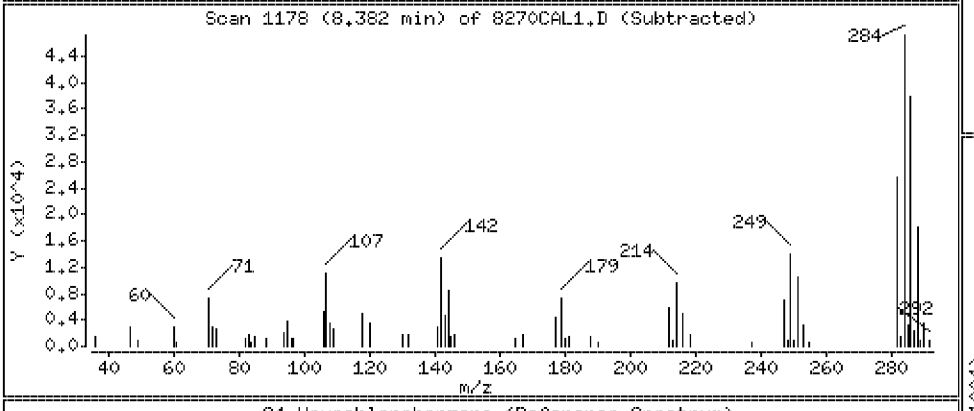
Column phase: HPMS-5

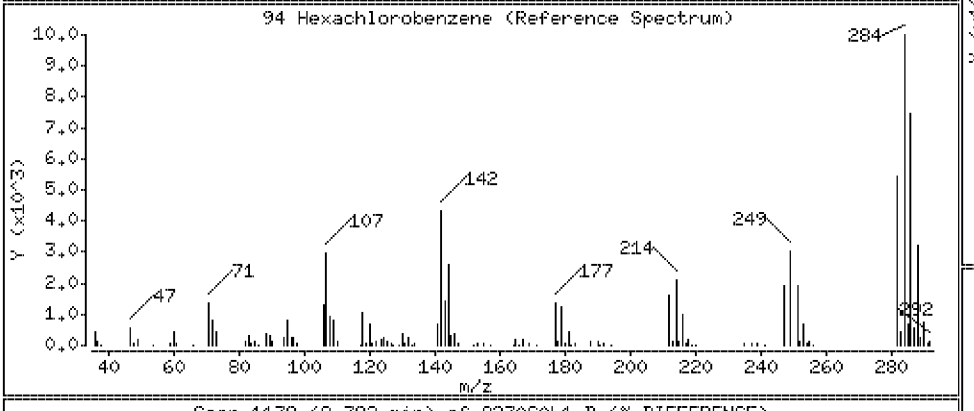
Column diameter: 0.25

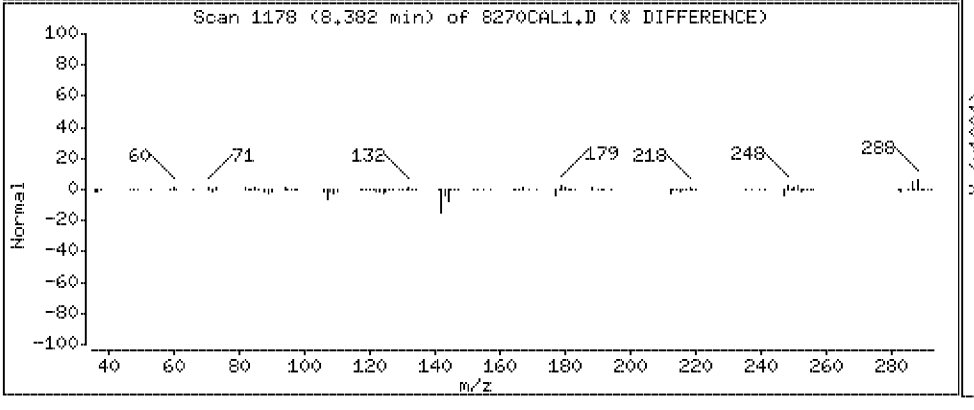
94 Hexachlorobenzene

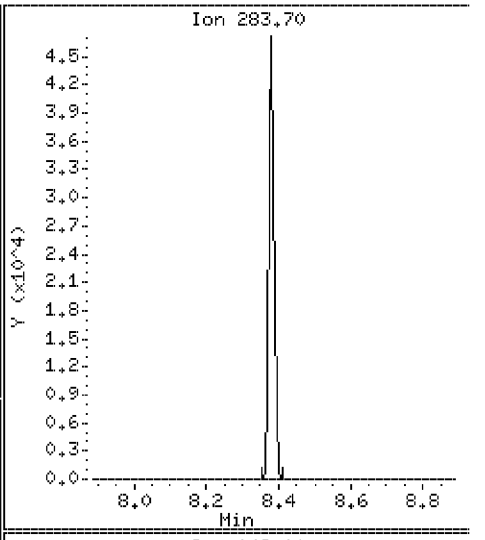
Concentration: 3.8 ug/l

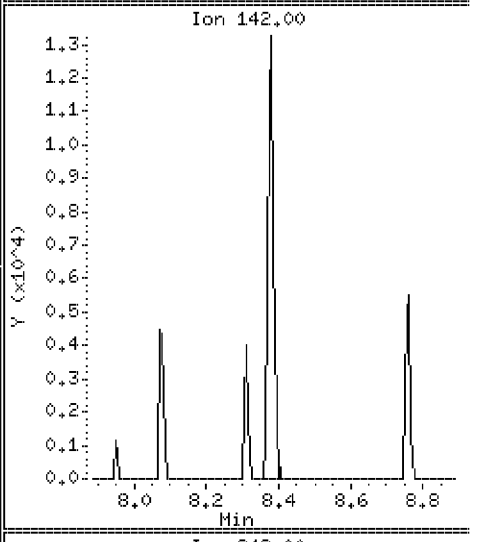


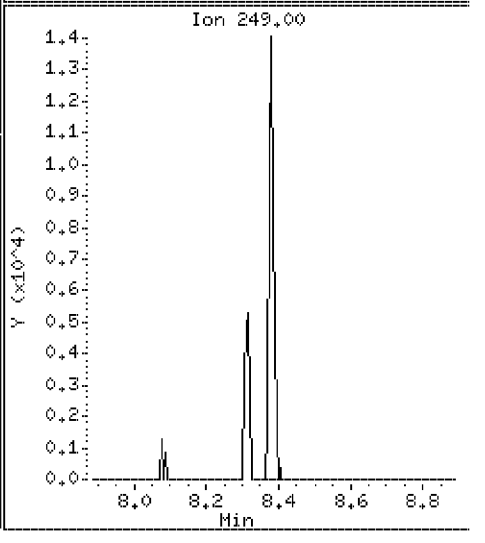












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

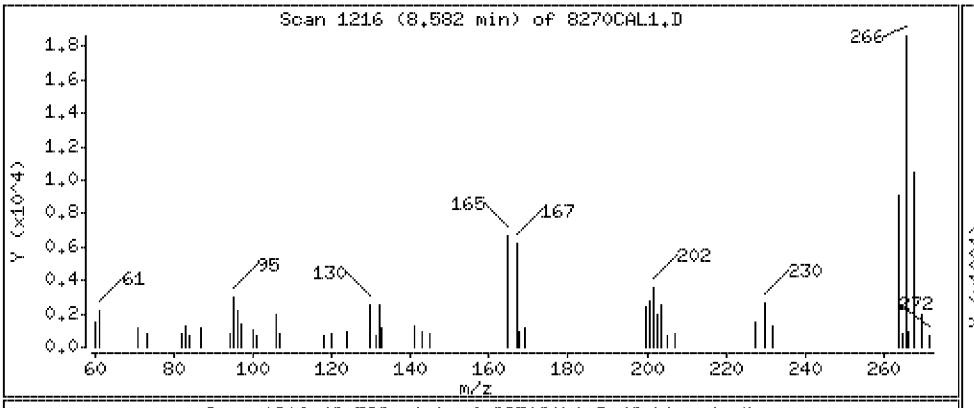
Operator: PEL

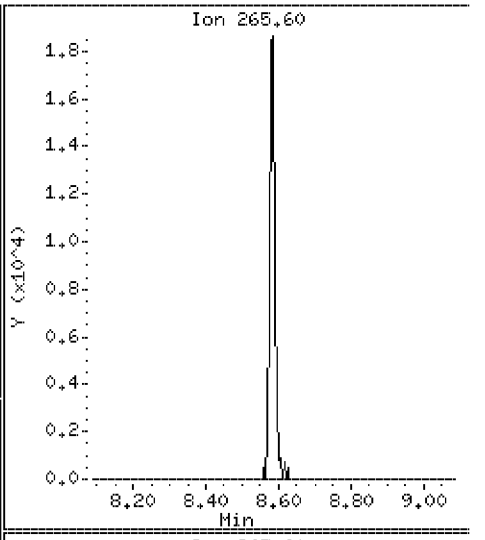
Column phase: HPMS-5

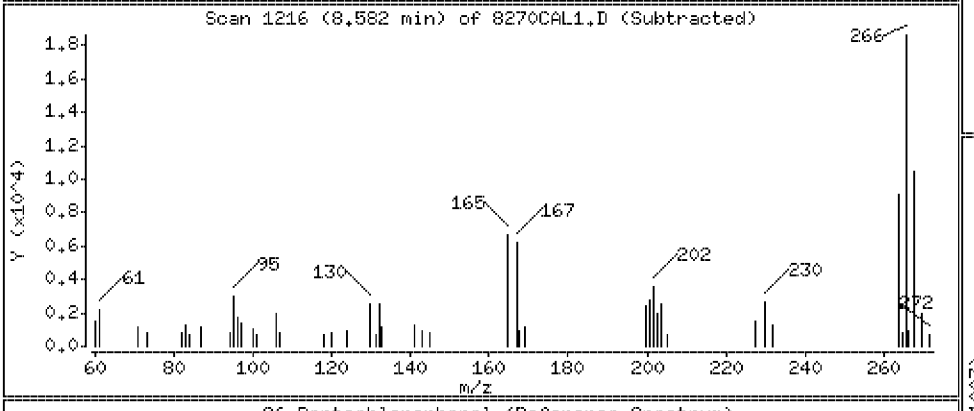
Column diameter: 0.25

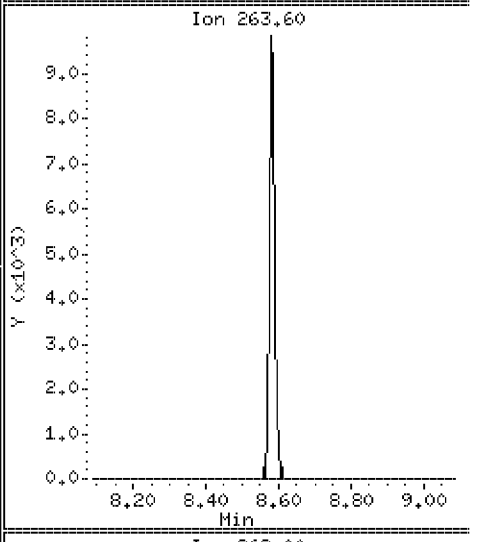
96 Pentachlorophenol

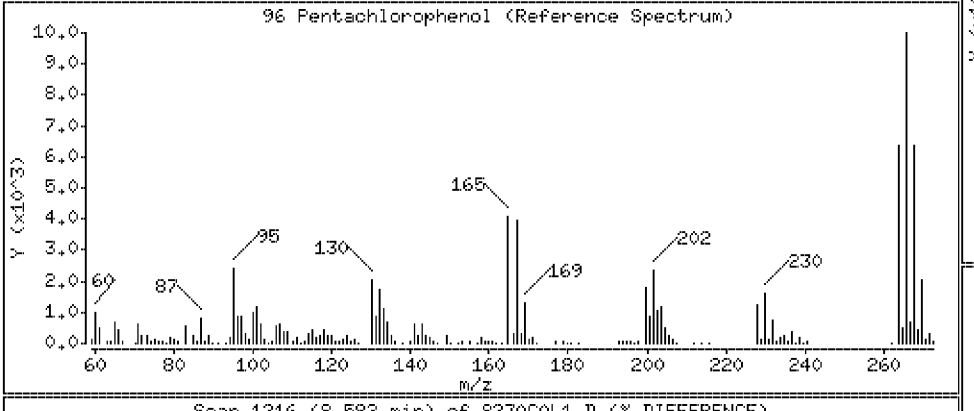
Concentration: 2.9 ug/l

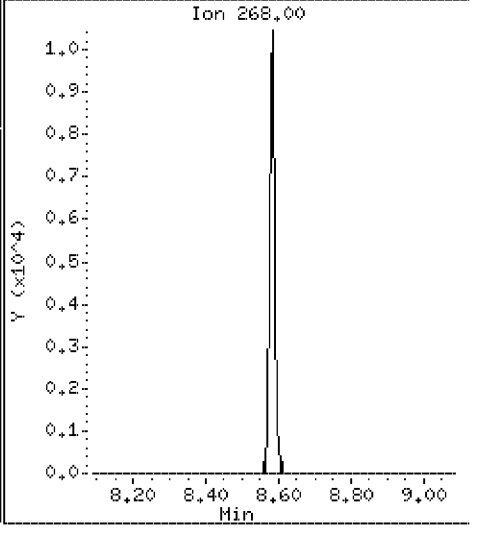


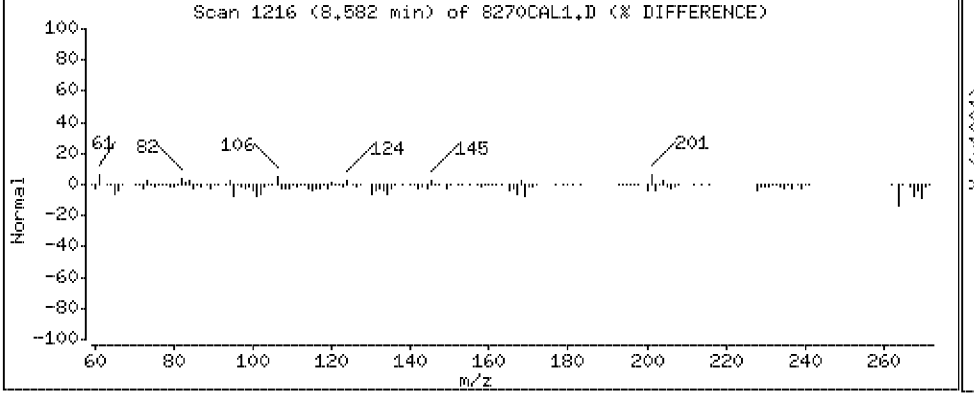












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

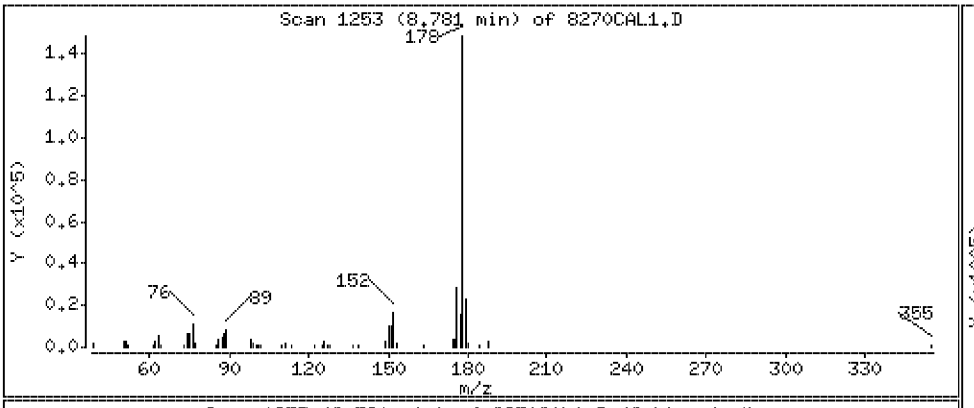
Operator: PEL

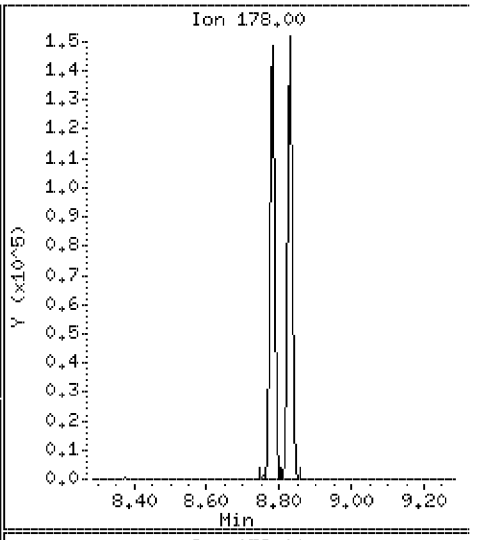
Column phase: HPMS-5

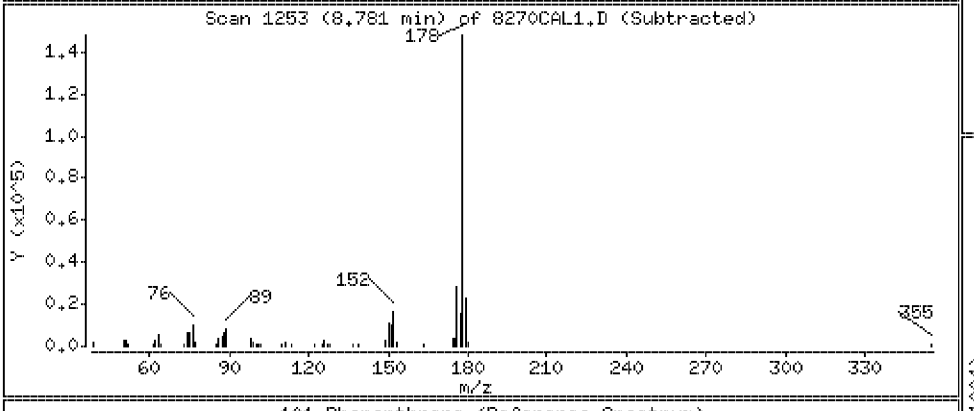
Column diameter: 0.25

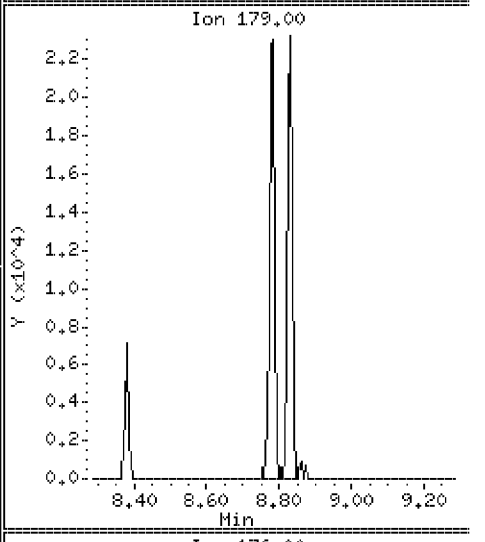
101 Phenanthrene

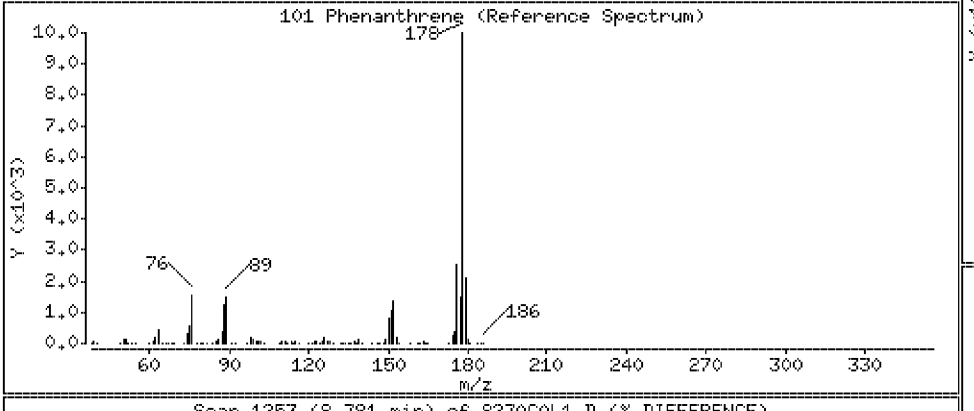
Concentration: 4.0 ug/l

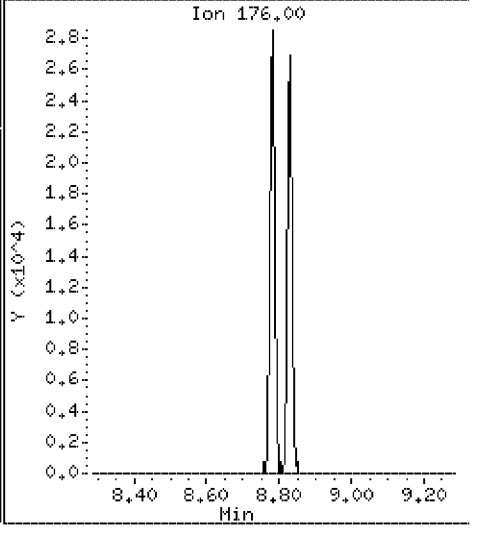


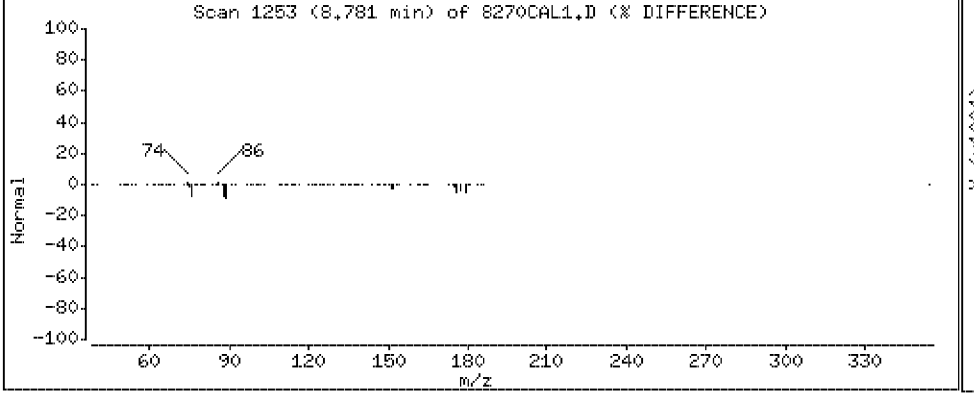












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

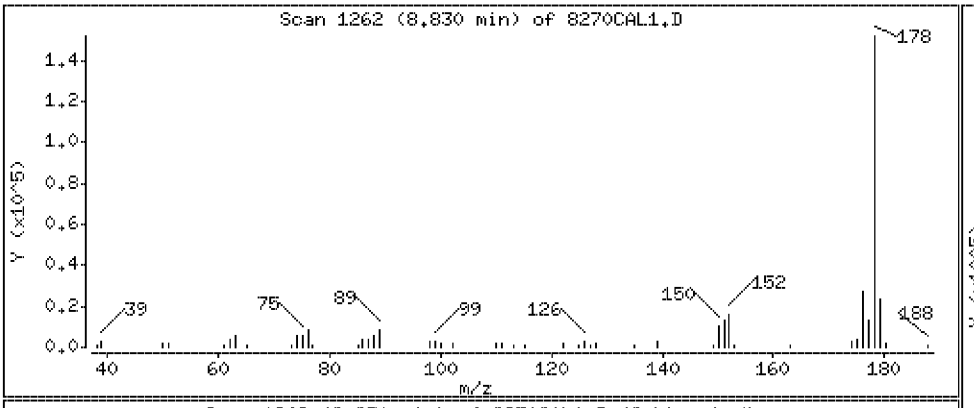
Operator: PEL

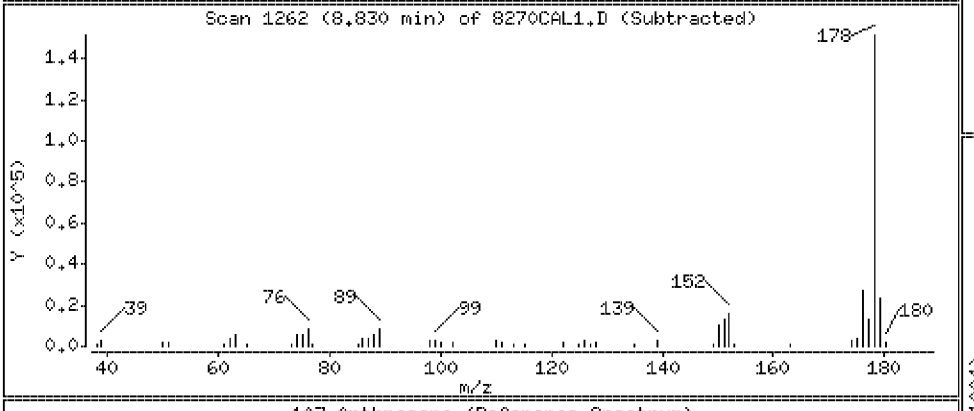
Column phase: HPMS-5

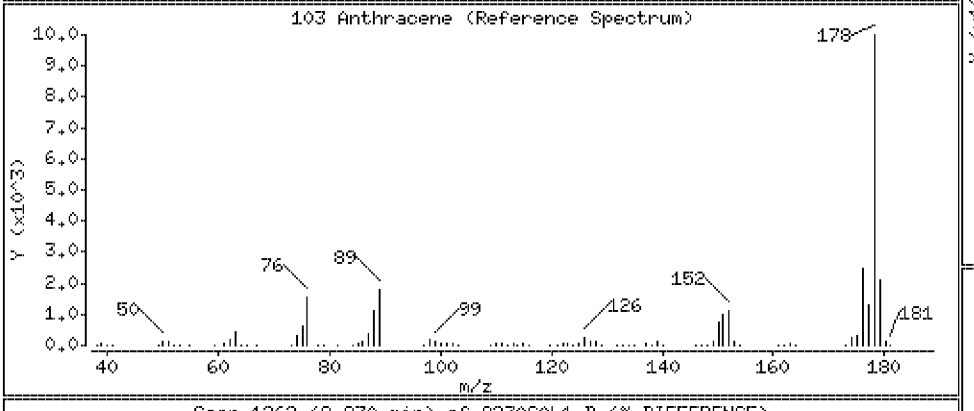
Column diameter: 0.25

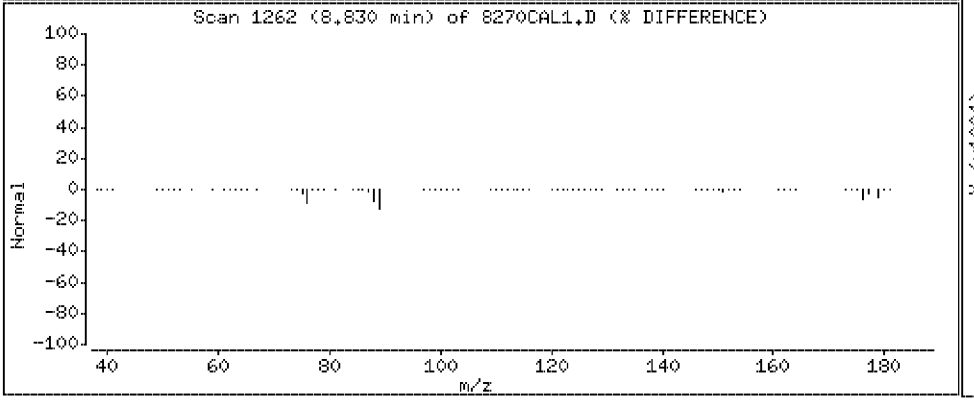
103 Anthracene

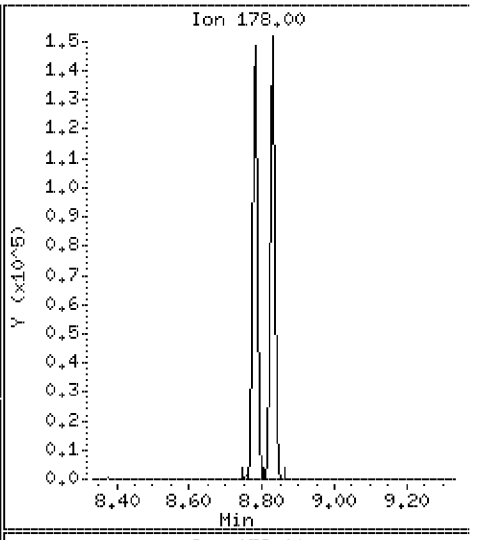
Concentration: 3.9 ug/l

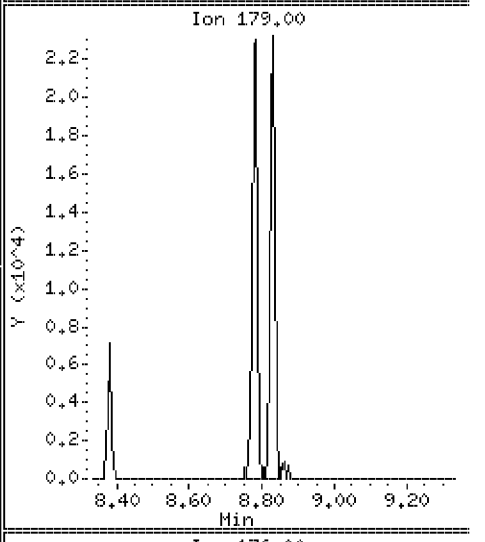


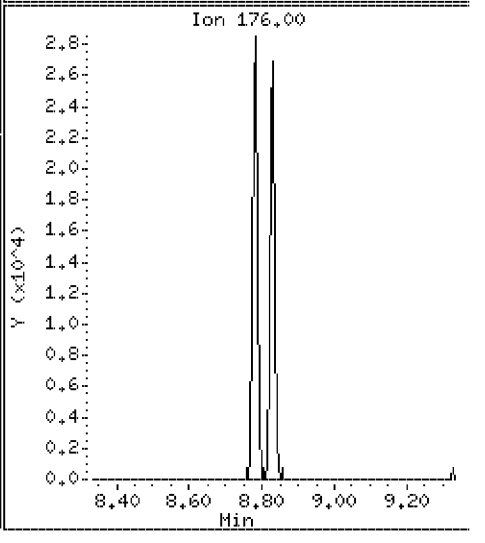












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

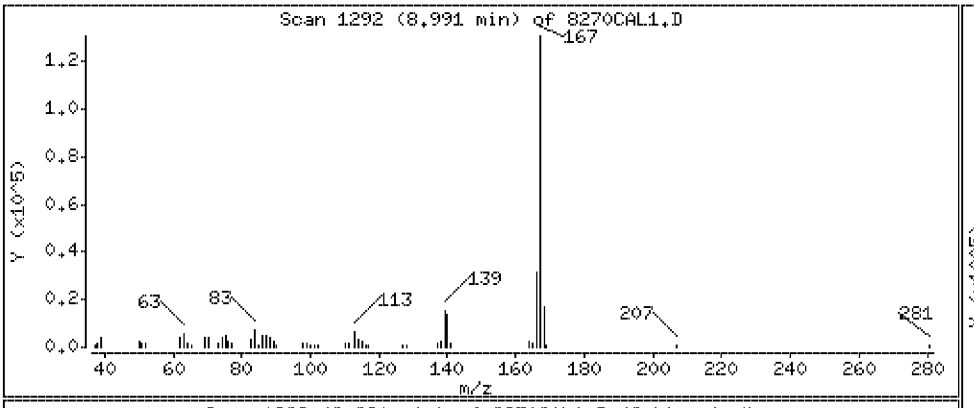
Operator: PEL

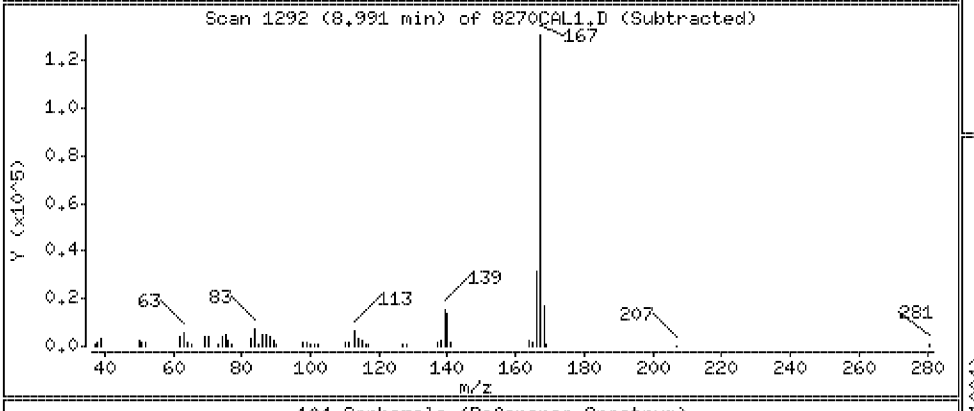
Column phase: HPMS-5

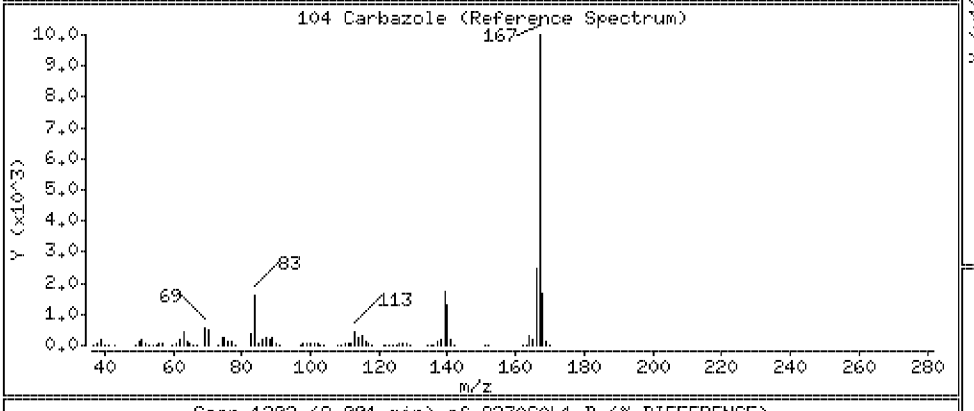
Column diameter: 0.25

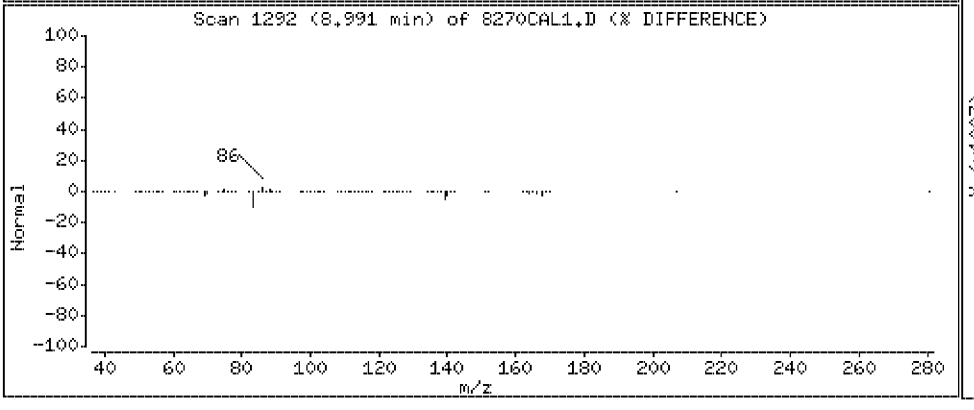
104 Carbazole

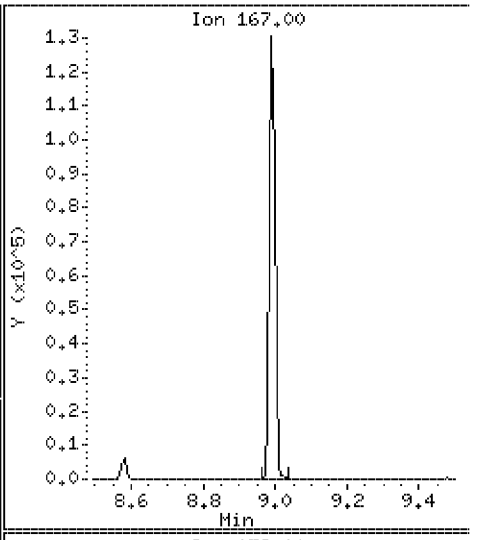
Concentration: 4.1 ug/l

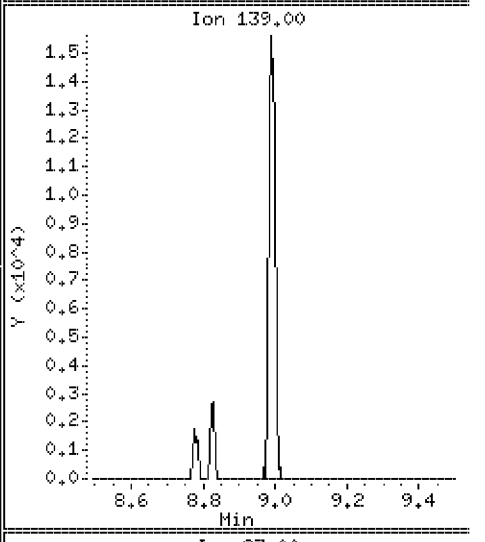


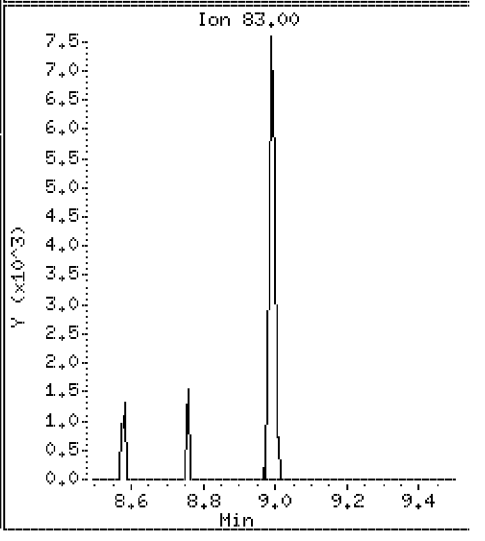












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

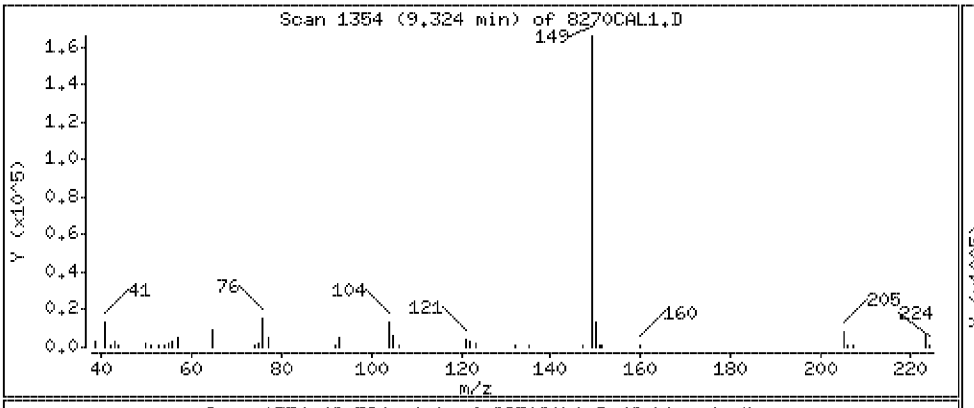
Operator: PEL

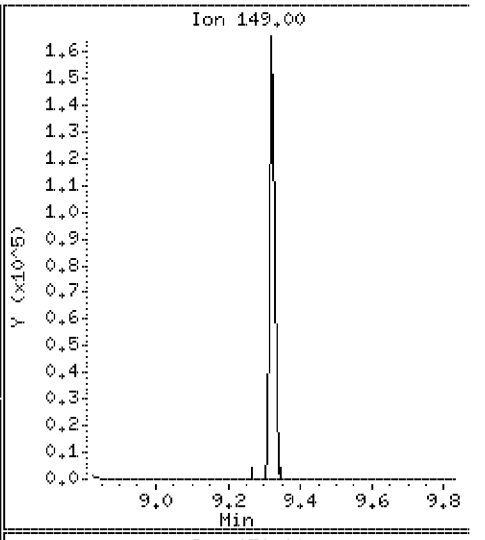
Column phase: HPMS-5

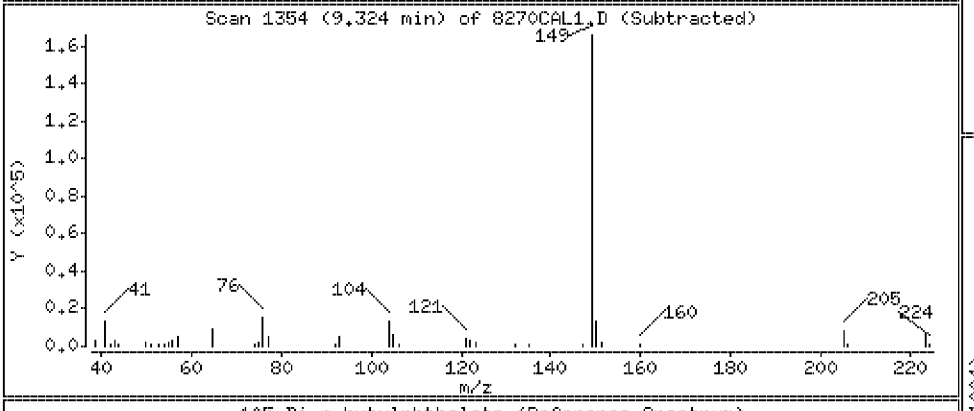
Column diameter: 0.25

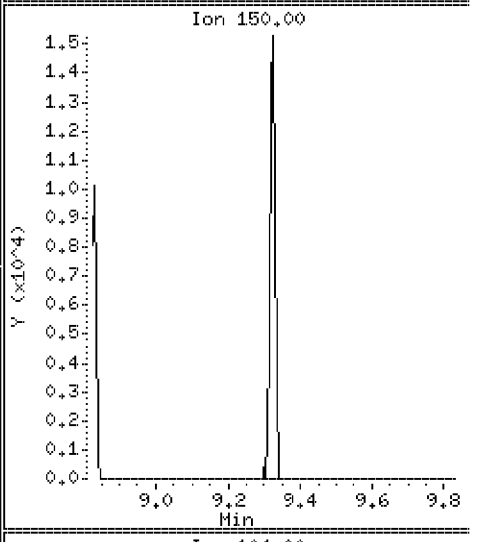
105 Di-n-butylphthalate

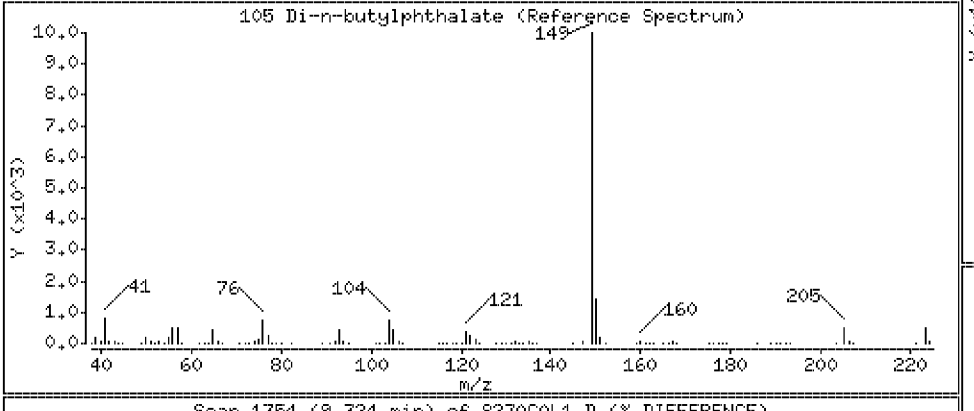
Concentration: 3.7 ug/l

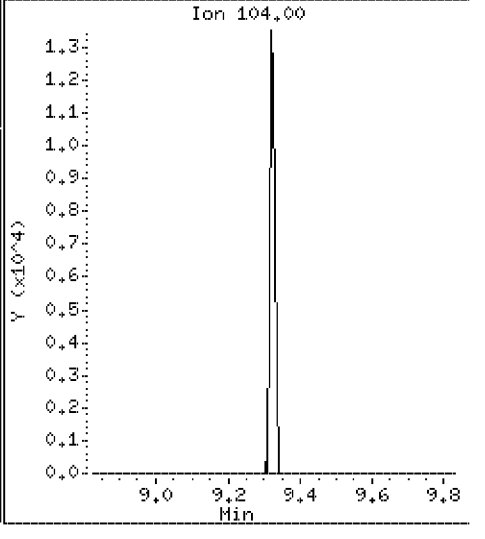


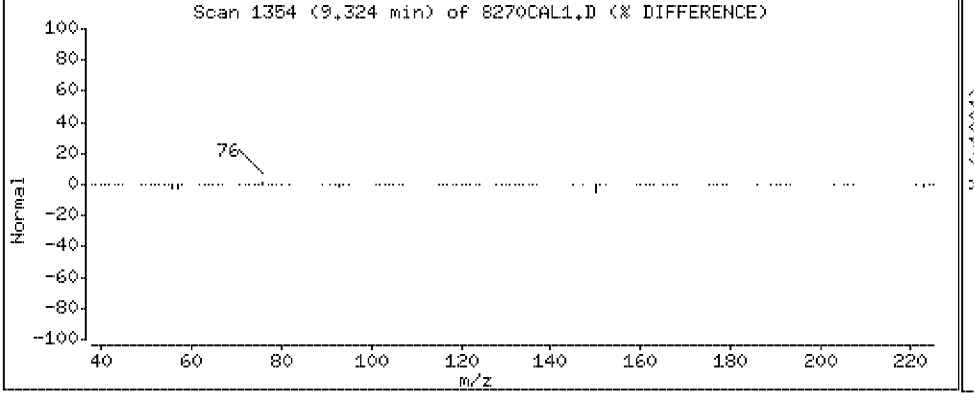












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

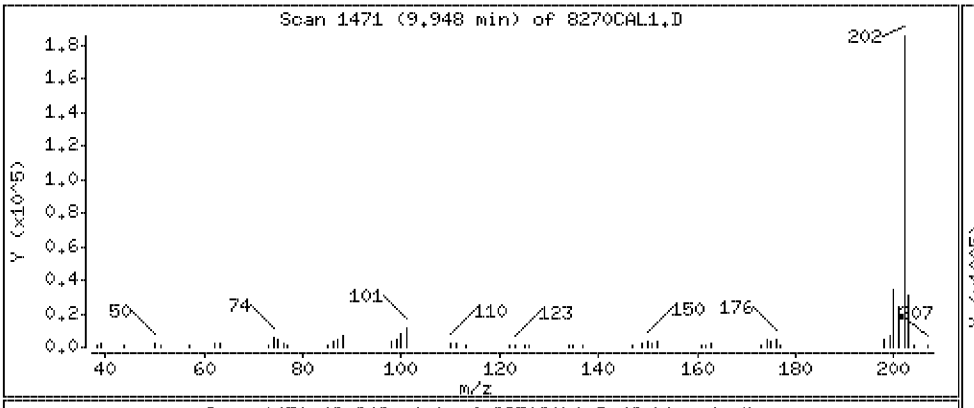
Operator: PEL

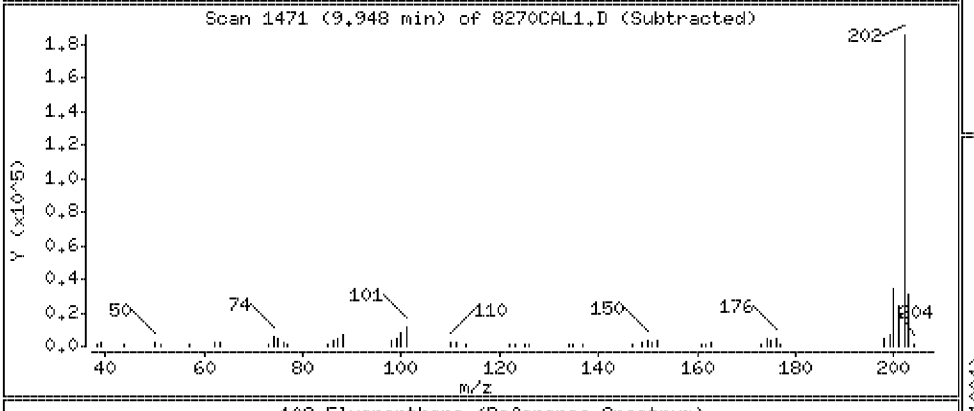
Column phase: HPMS-5

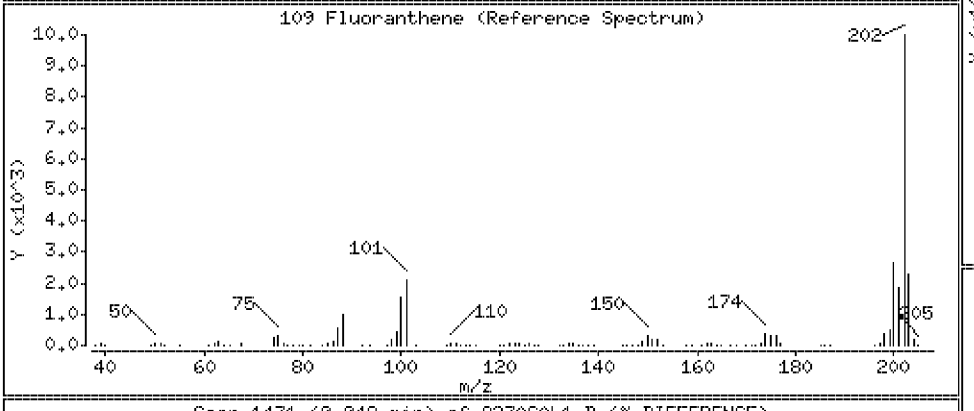
Column diameter: 0.25

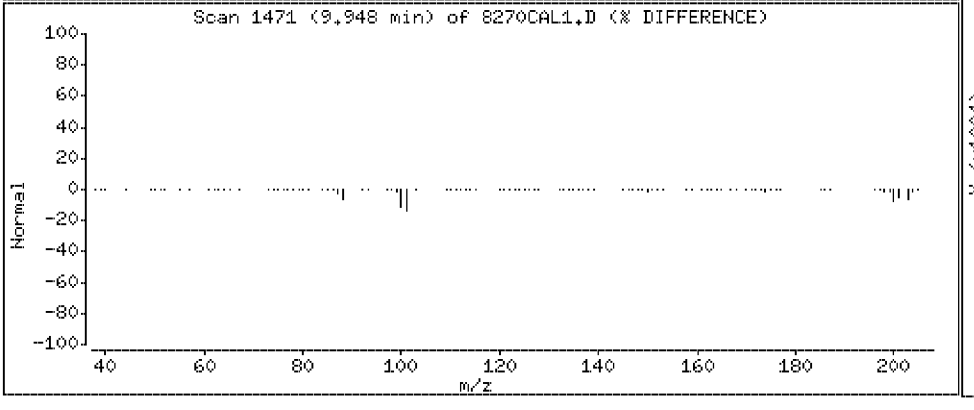
109 Fluoranthene

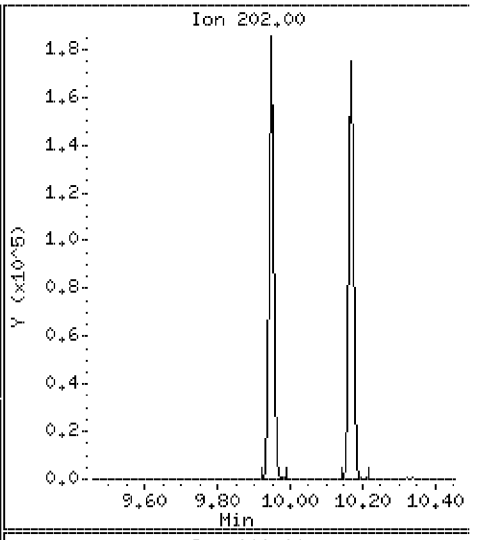
Concentration: 4.1 ug/l

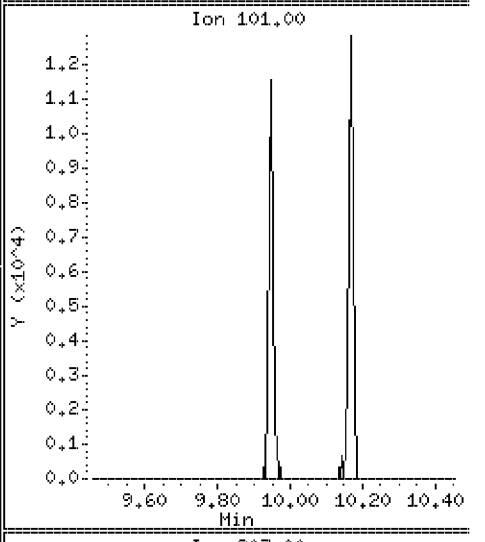


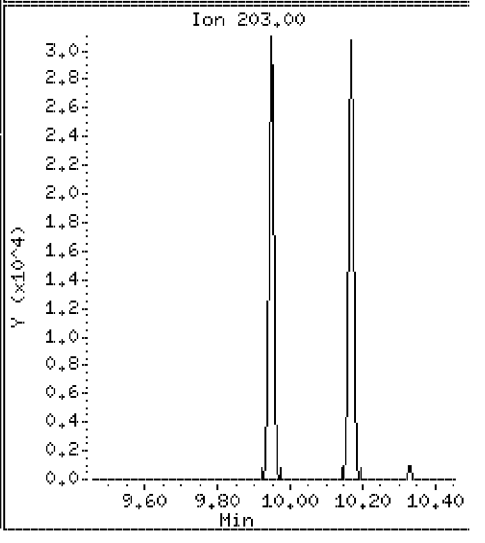












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

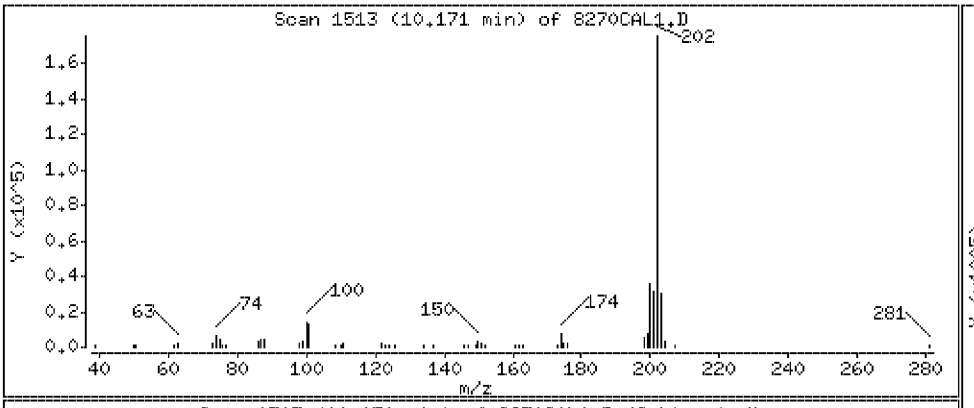
Operator: PEL

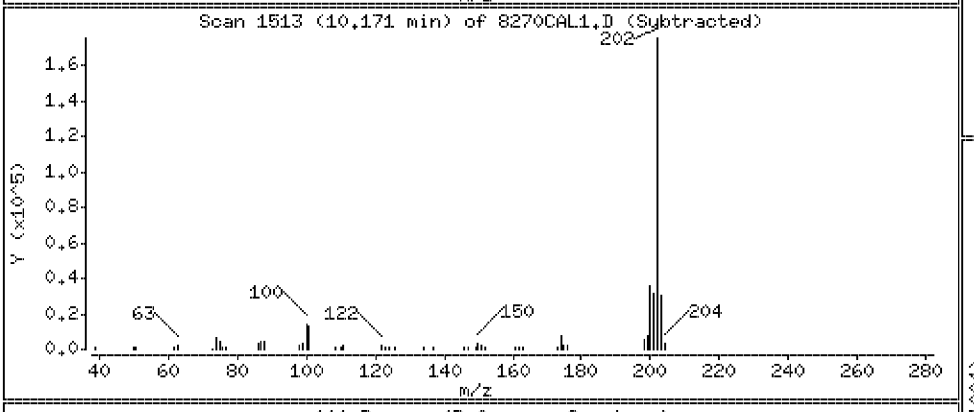
Column phase: HPMS-5

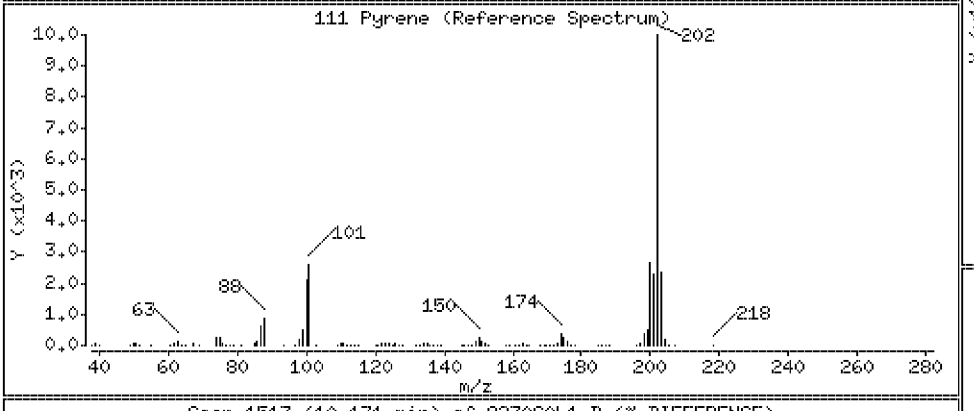
Column diameter: 0.25

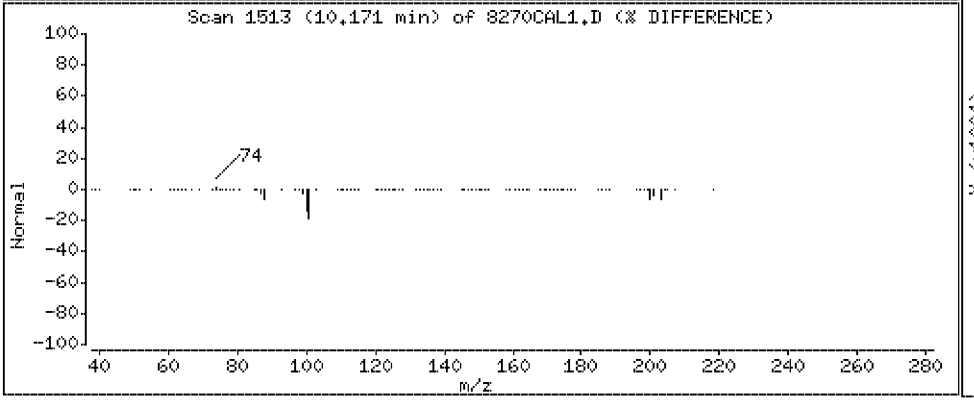
111 Pyrene

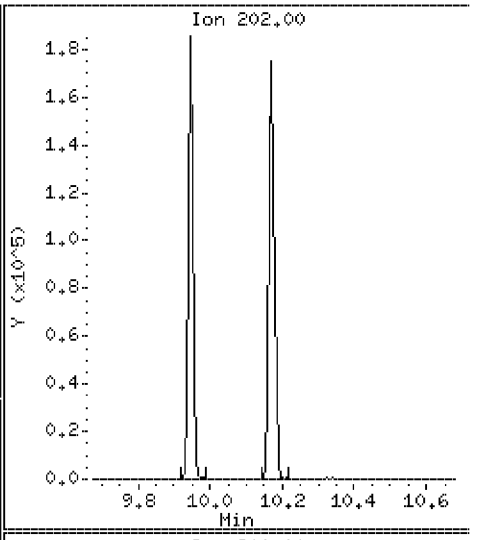
Concentration: 4.6 ug/l

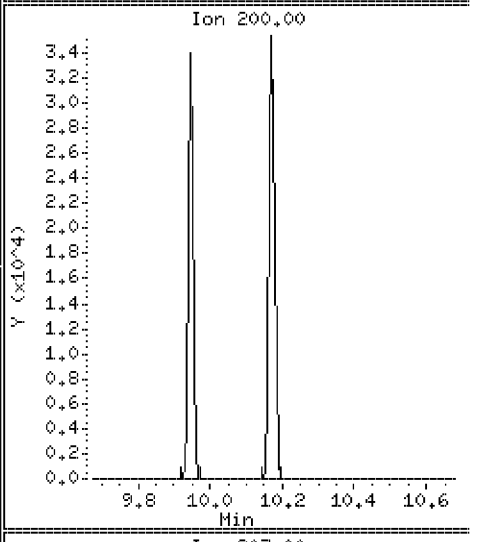


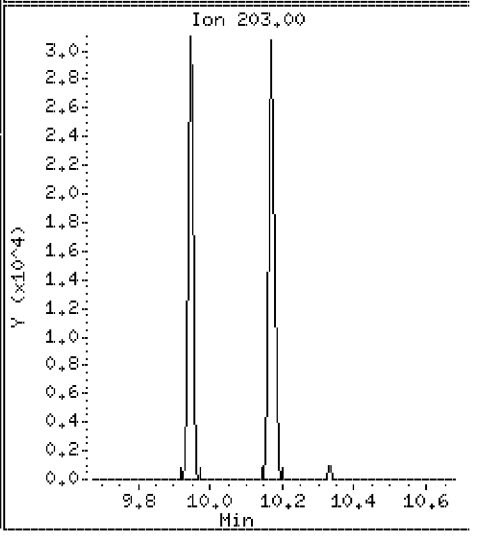












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

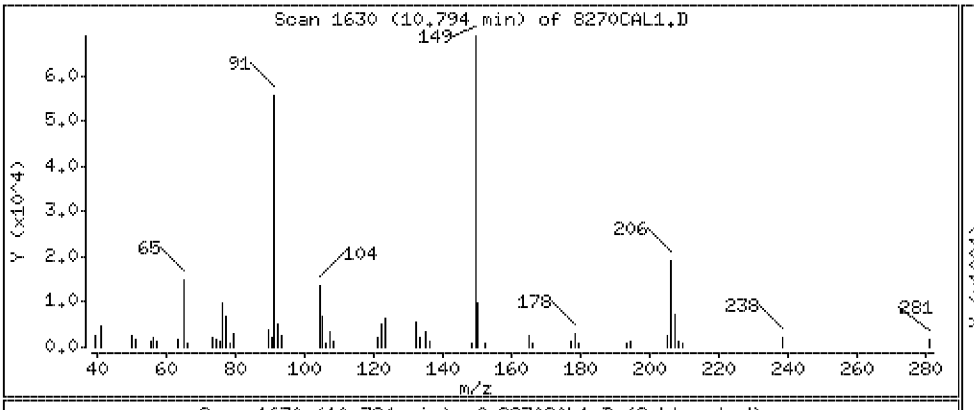
Operator: PEL

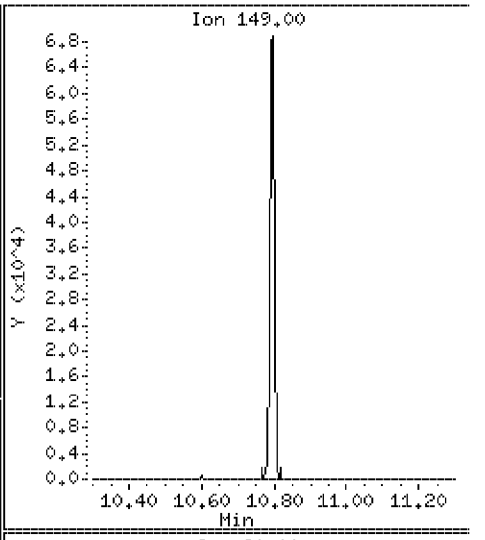
Column phase: HPMS-5

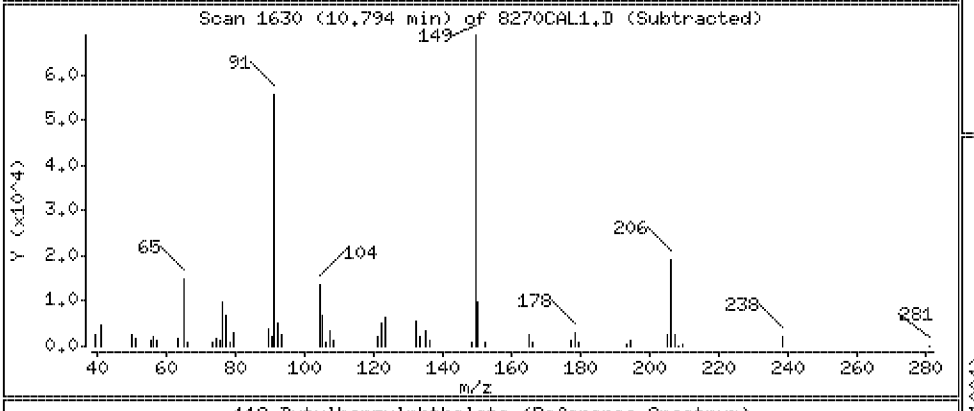
Column diameter: 0.25

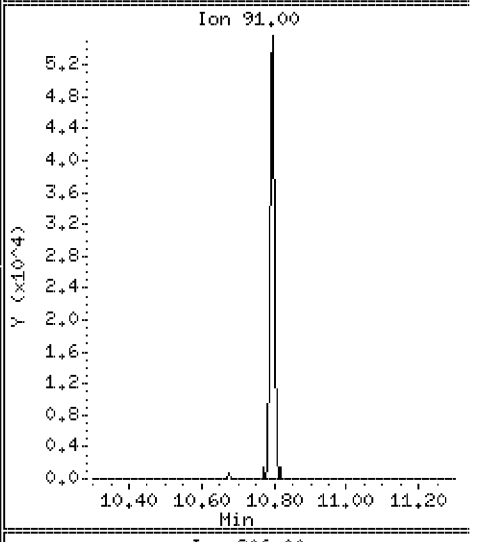
118 Butylbenzylphthalate

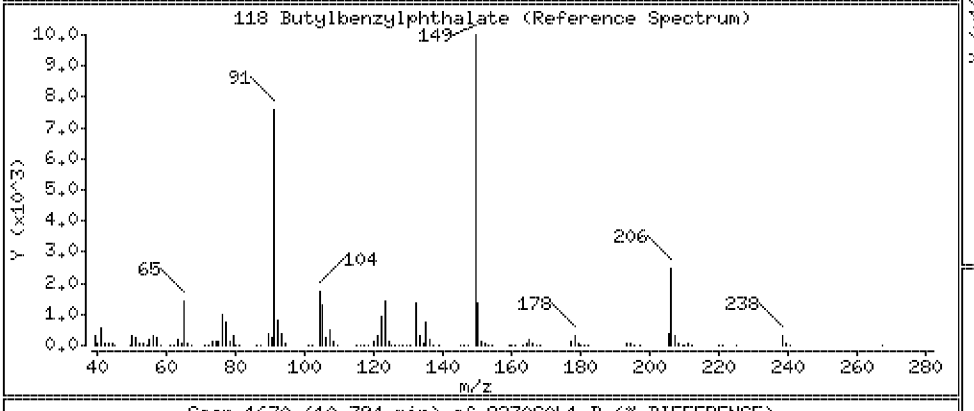
Concentration: 3.9 ug/l

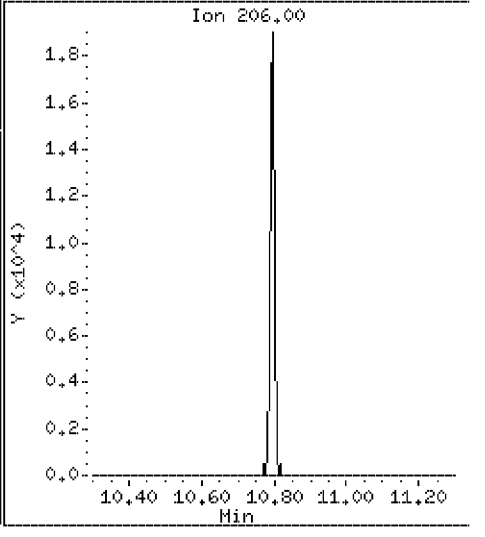


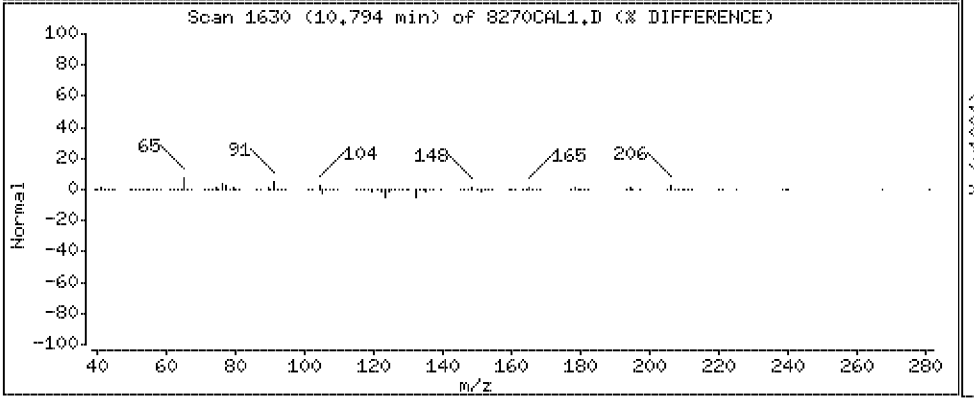












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

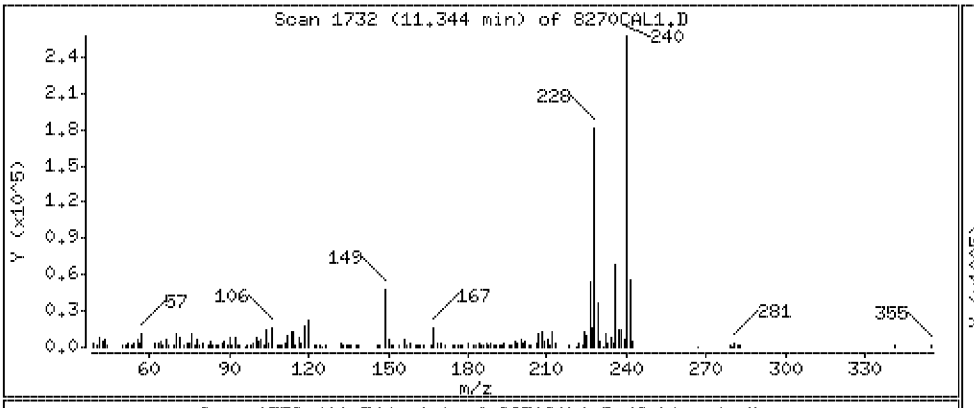
Operator: PEL

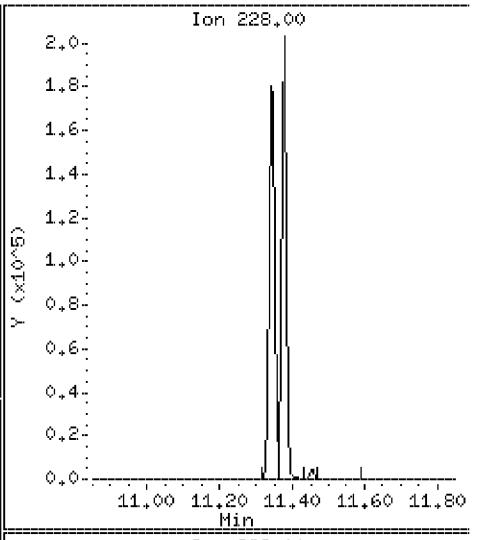
Column phase: HPMS-5

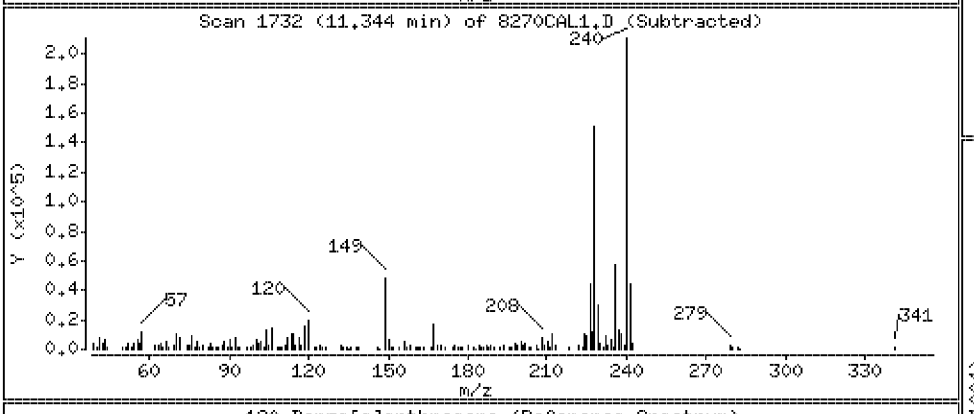
Column diameter: 0.25

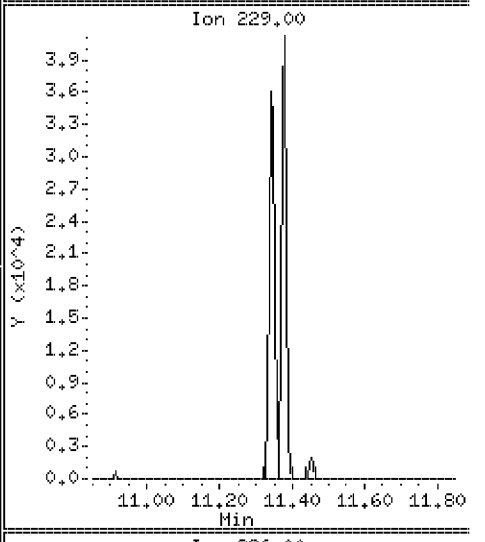
120 Benzo[a]anthracene

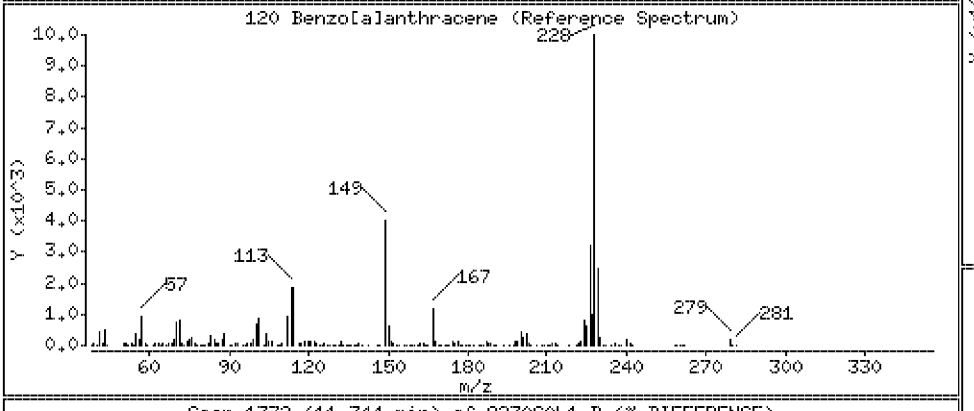
Concentration: 4.4 ug/l

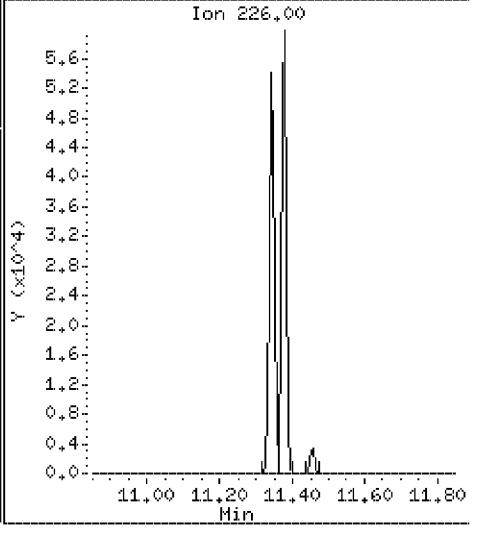


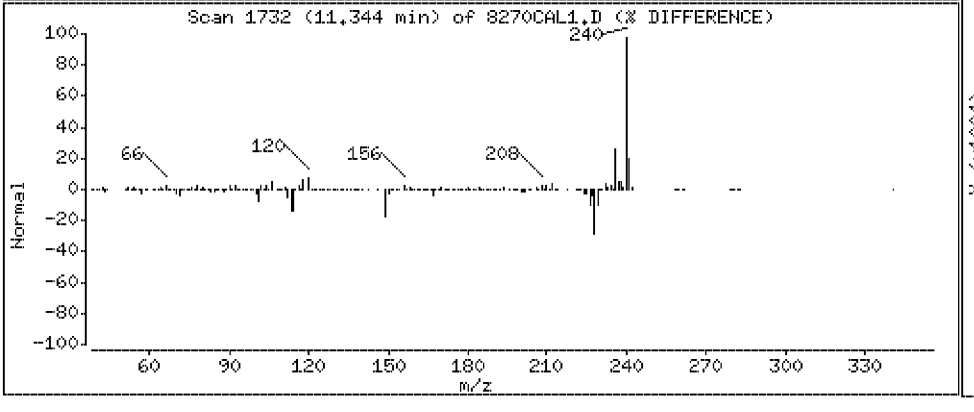












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

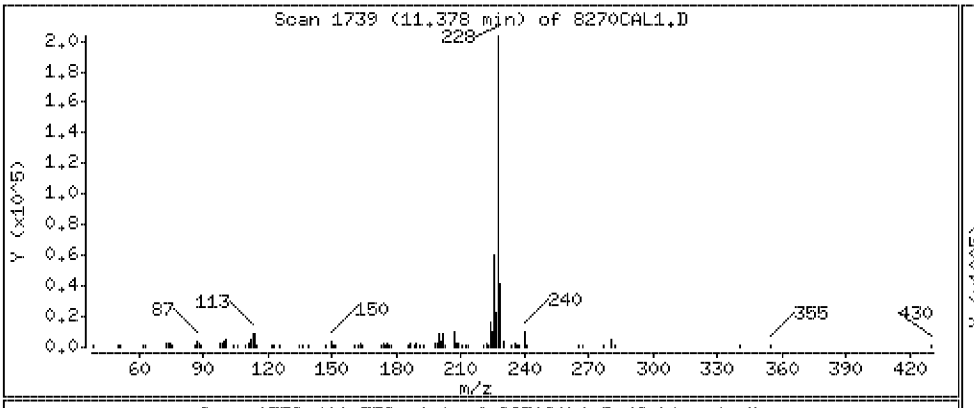
Operator: PEL

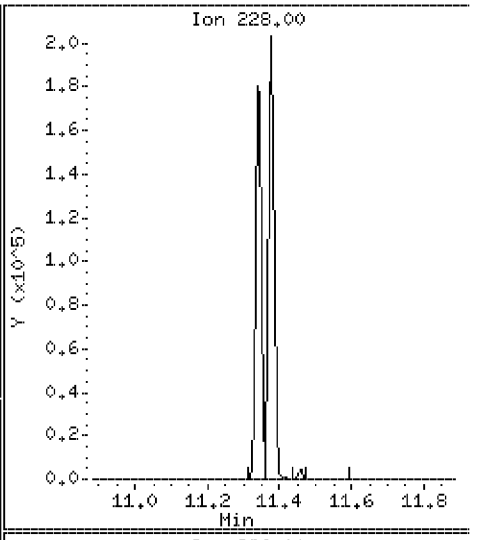
Column phase: HPMS-5

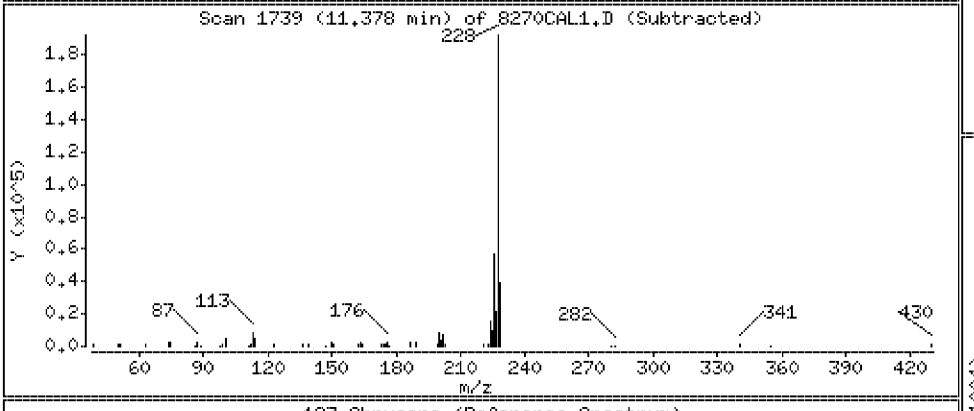
Column diameter: 0.25

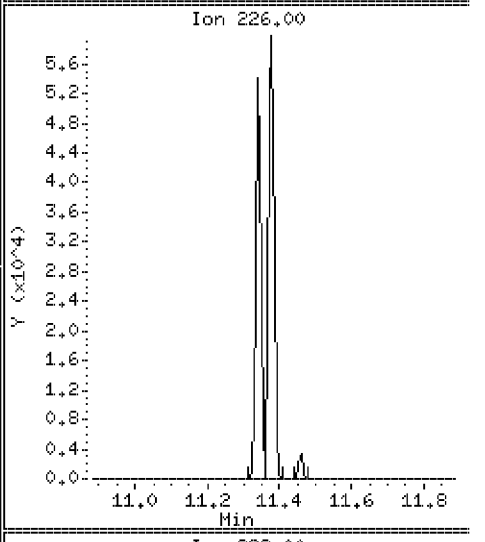
123 Chrysene

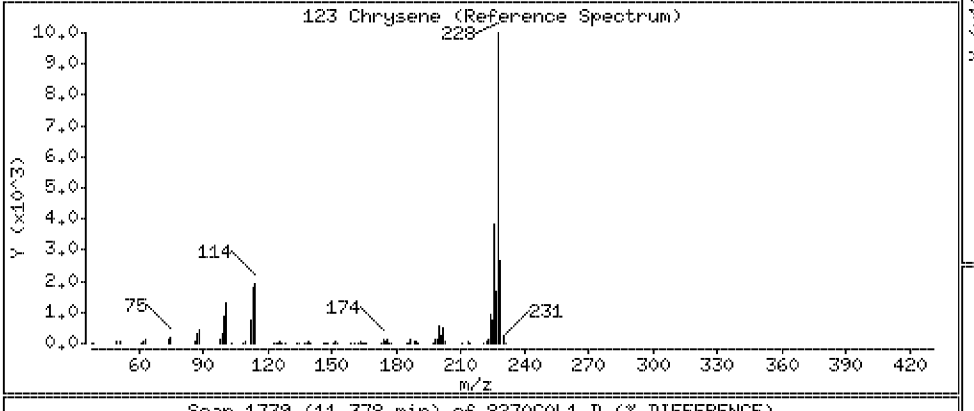
Concentration: 4.6 ug/l

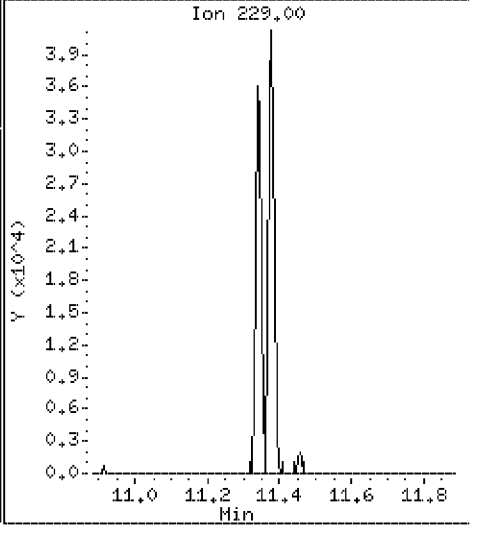


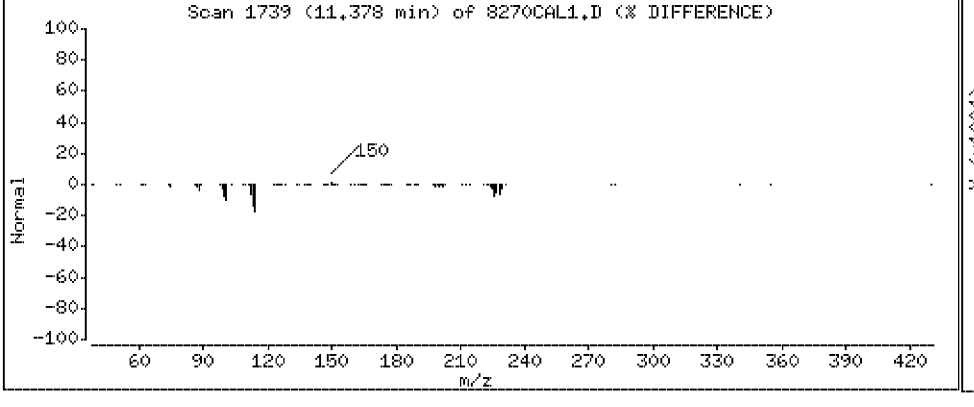












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

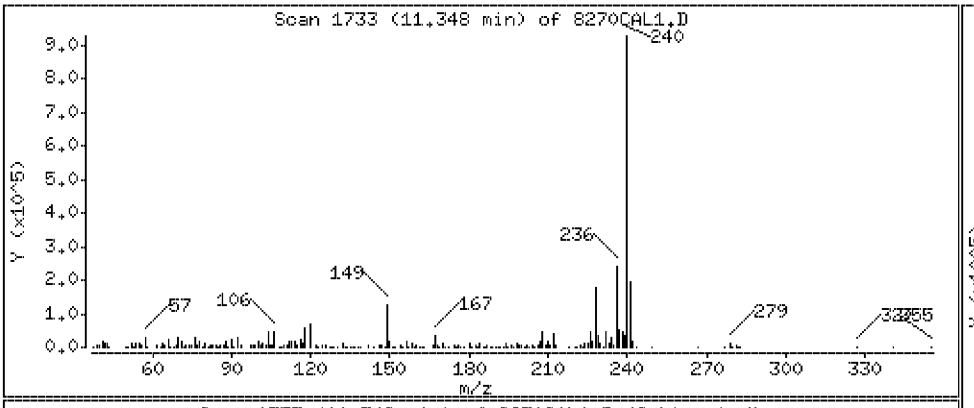
Operator: PEL

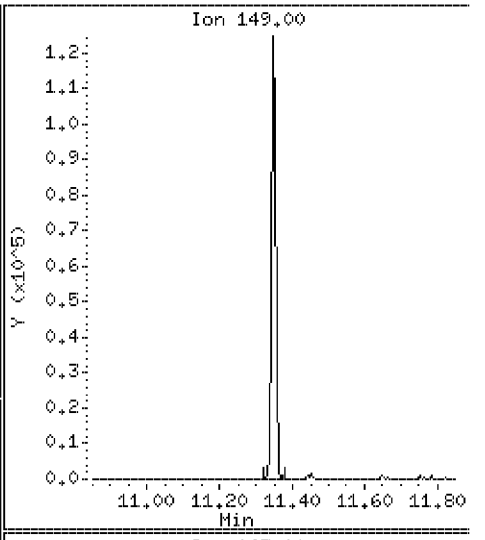
Column phase: HPMS-5

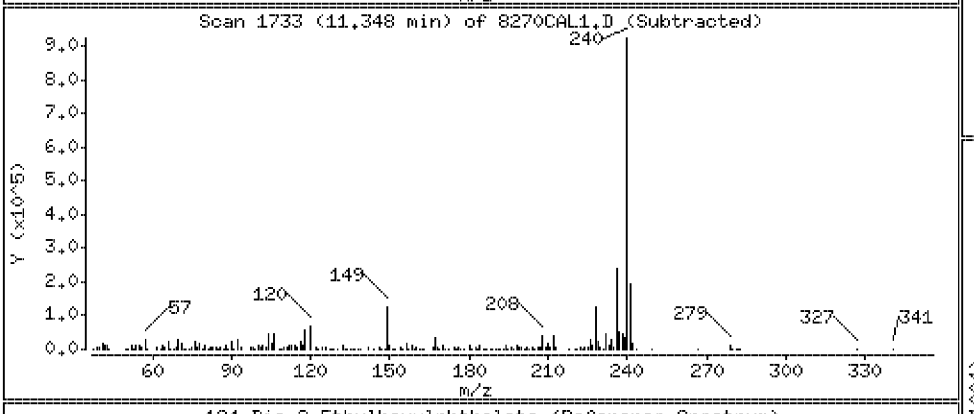
Column diameter: 0.25

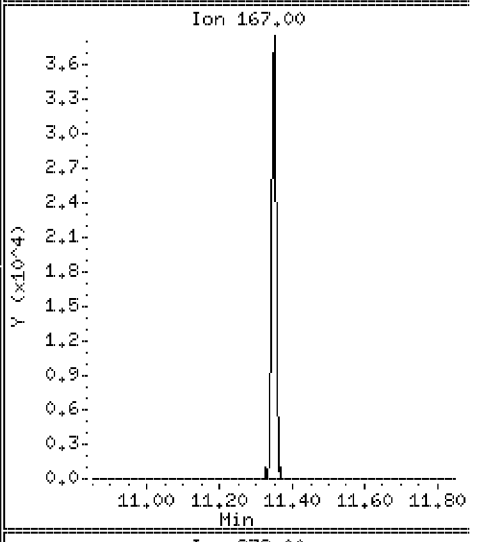
124 Bis-2-Ethylhexylphthalate

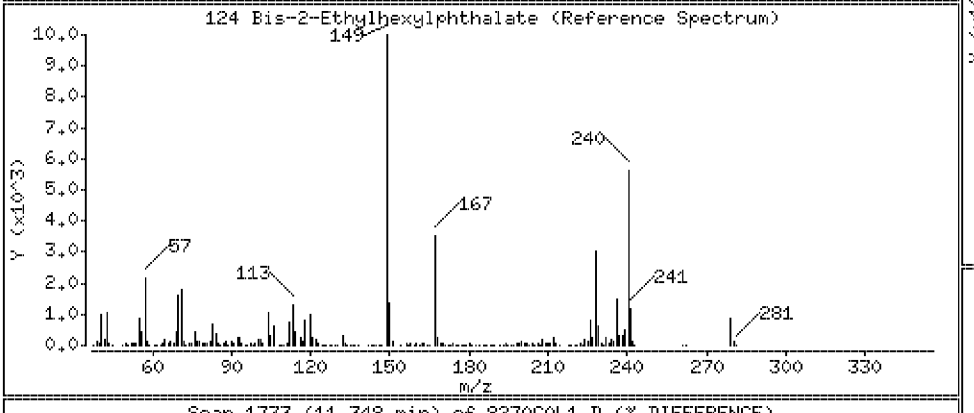
Concentration: 3.8 ug/l

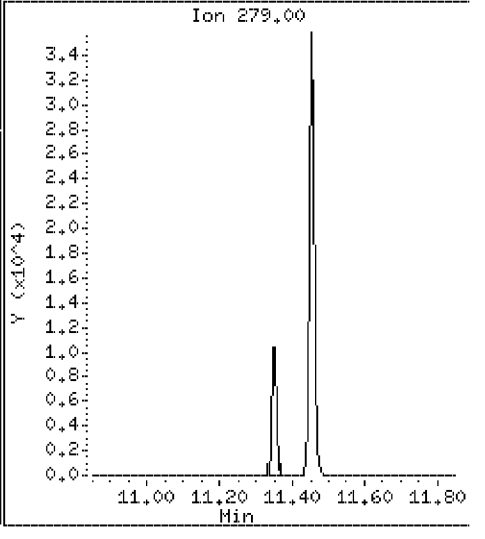


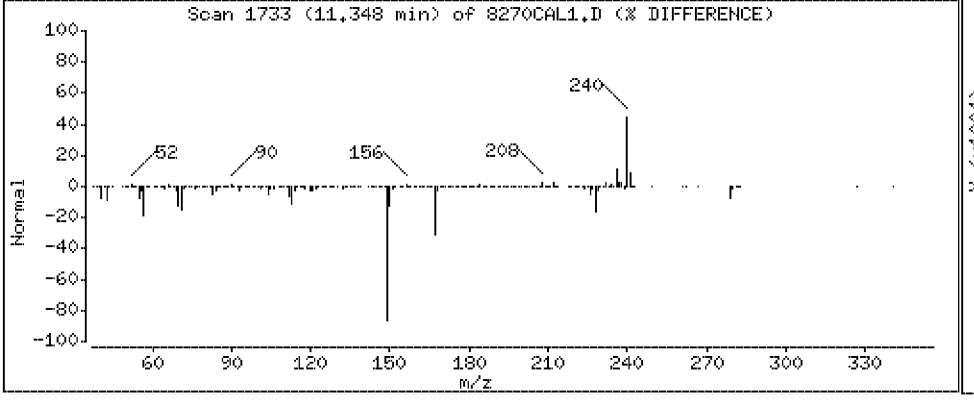












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

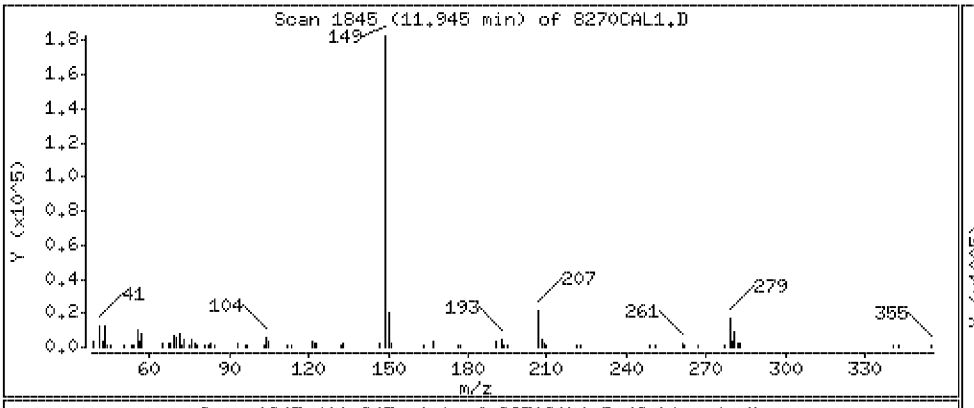
Operator: PEL

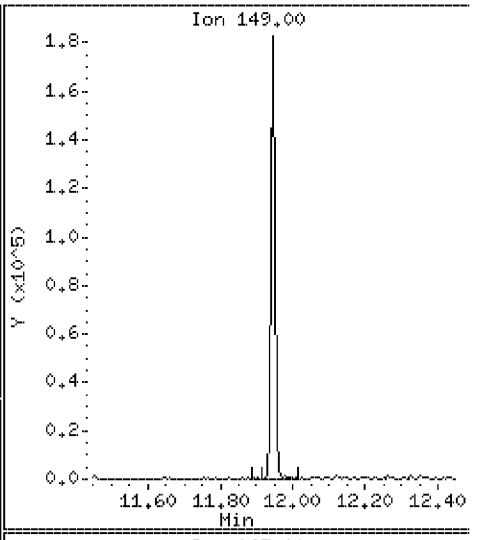
Column phase: HPMS-5

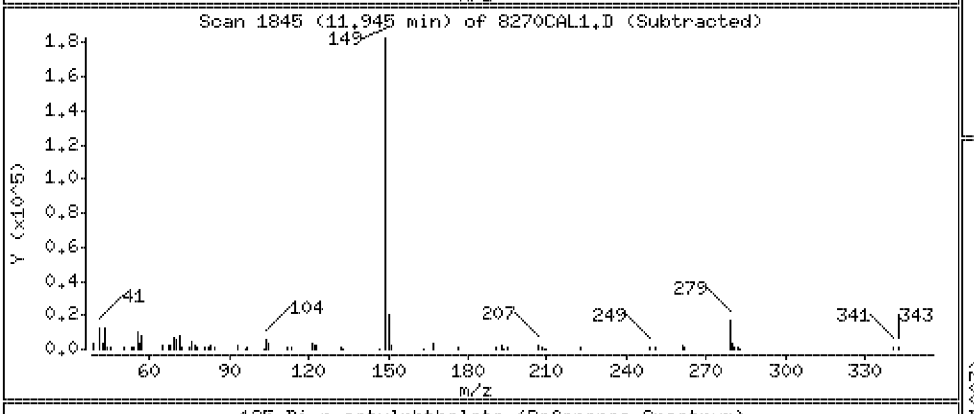
Column diameter: 0.25

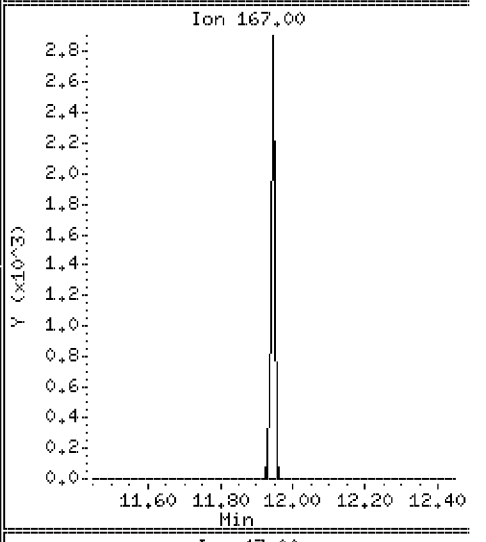
125 Di-n-octylphthalate

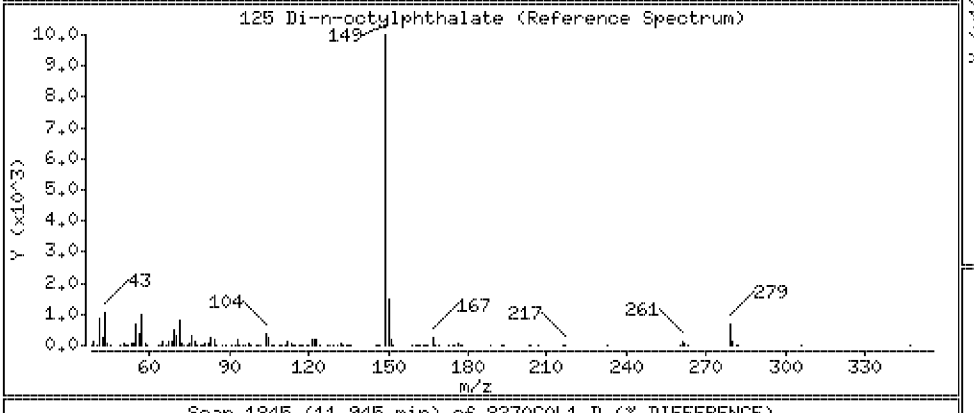
Concentration: 3.5 ug/l

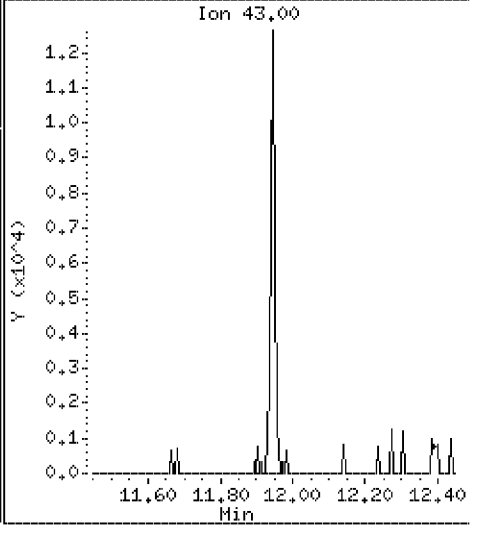


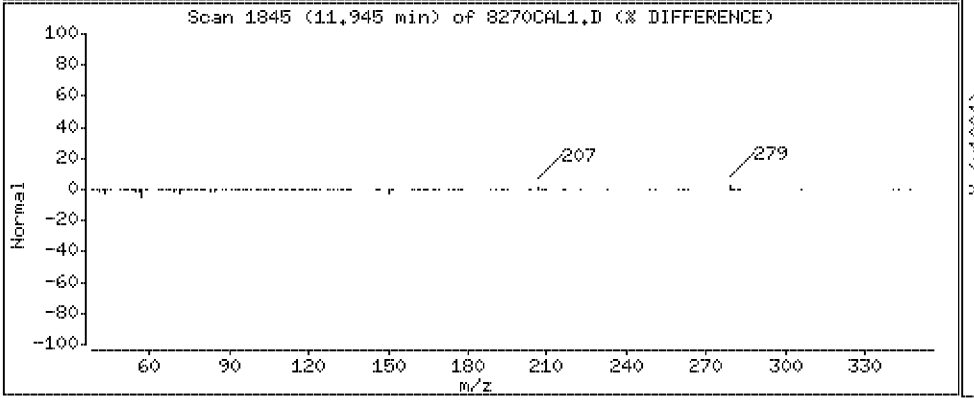












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

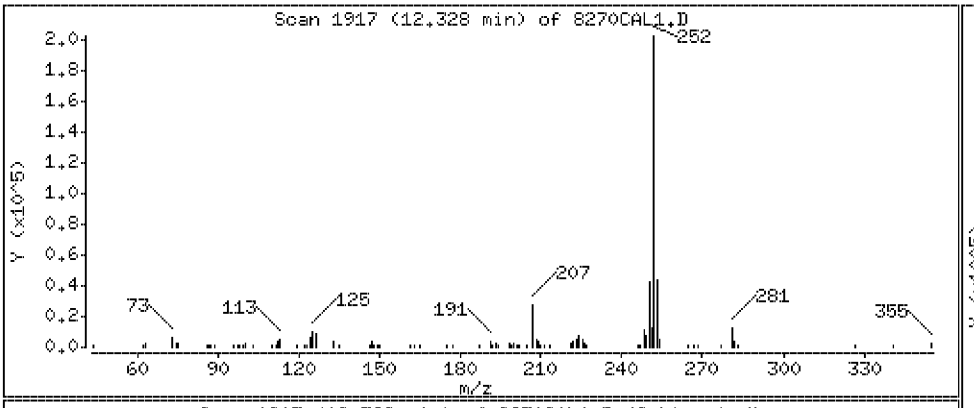
Operator: PEL

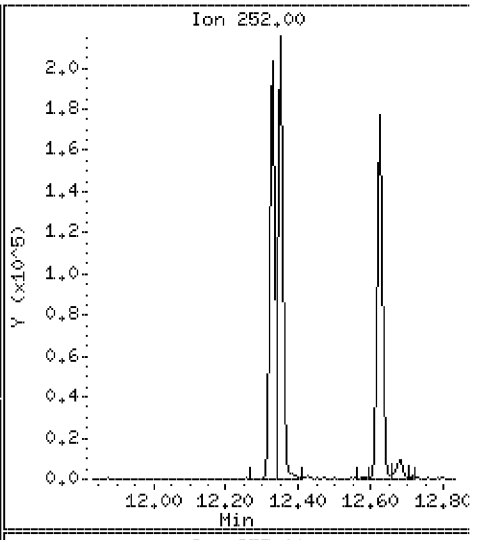
Column phase: HPMS-5

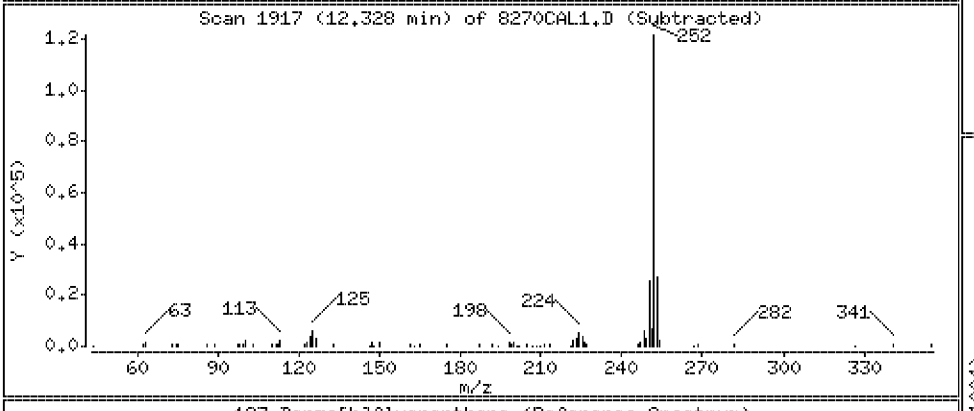
Column diameter: 0.25

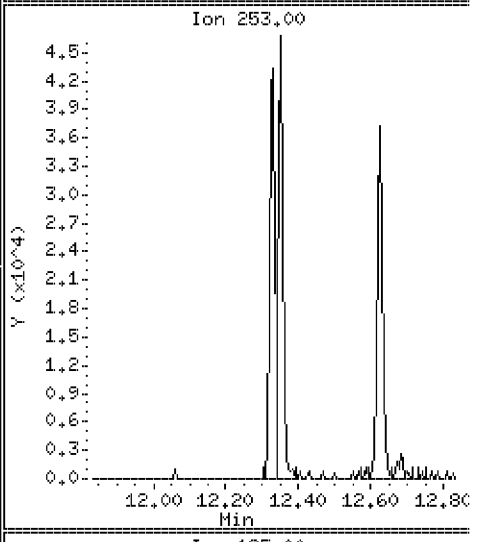
127 Benzo[b]fluoranthene

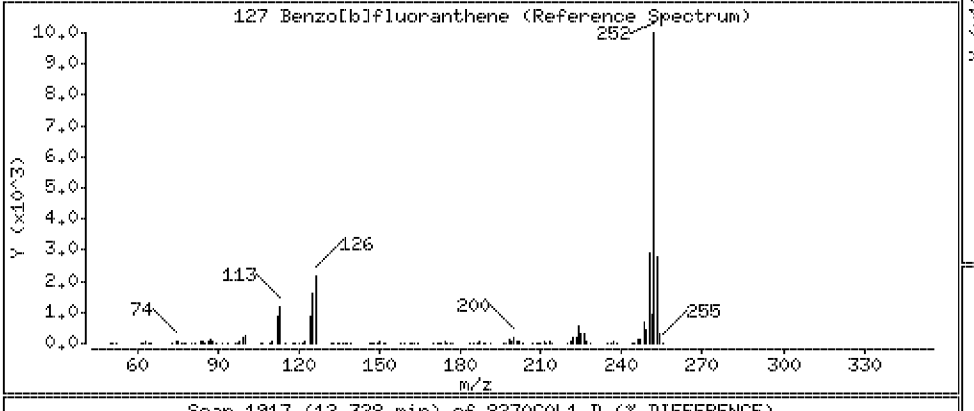
Concentration: 3.8 ug/l

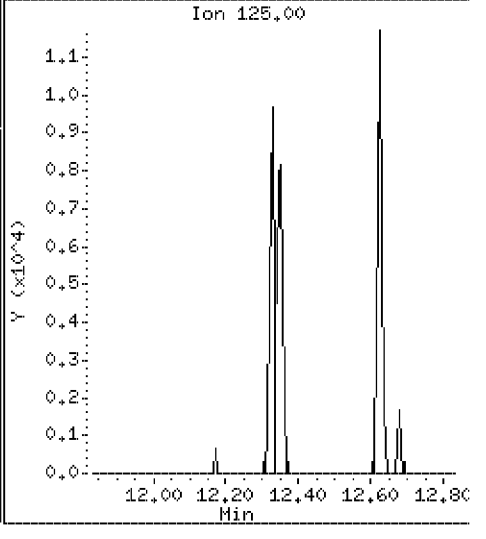


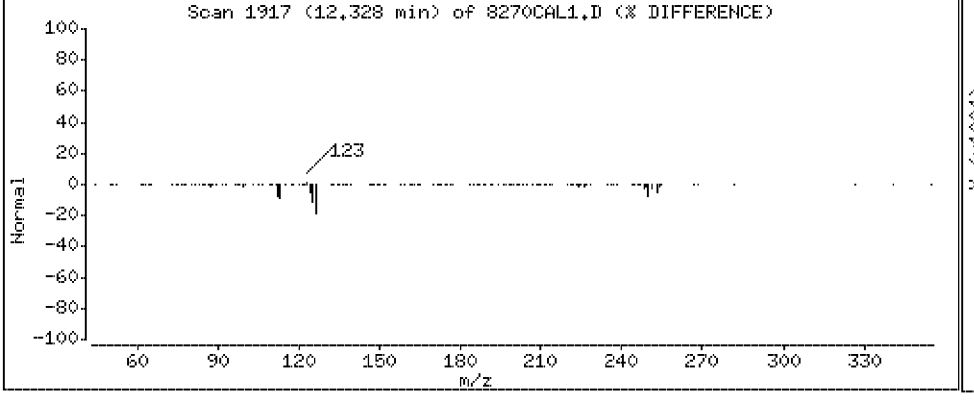












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

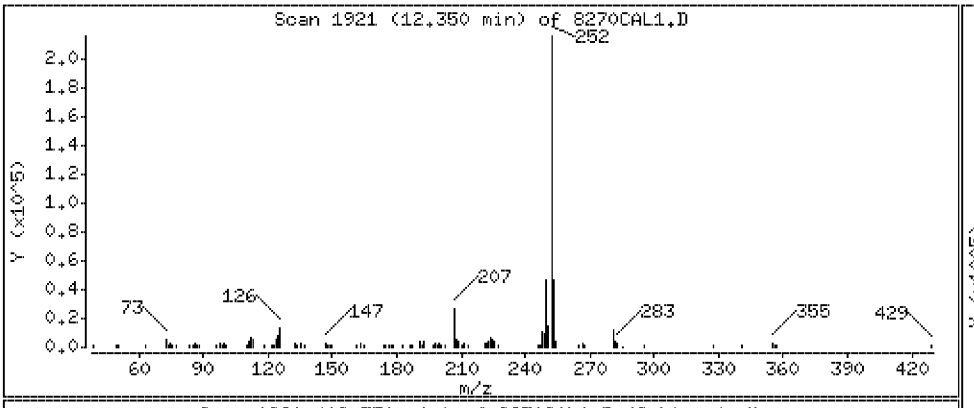
Operator: PEL

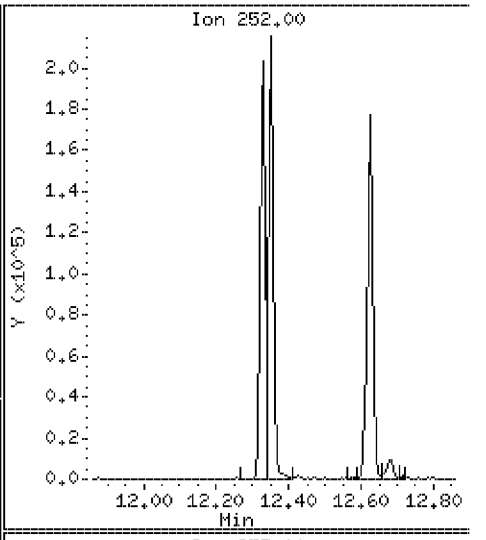
Column phase: HPMS-5

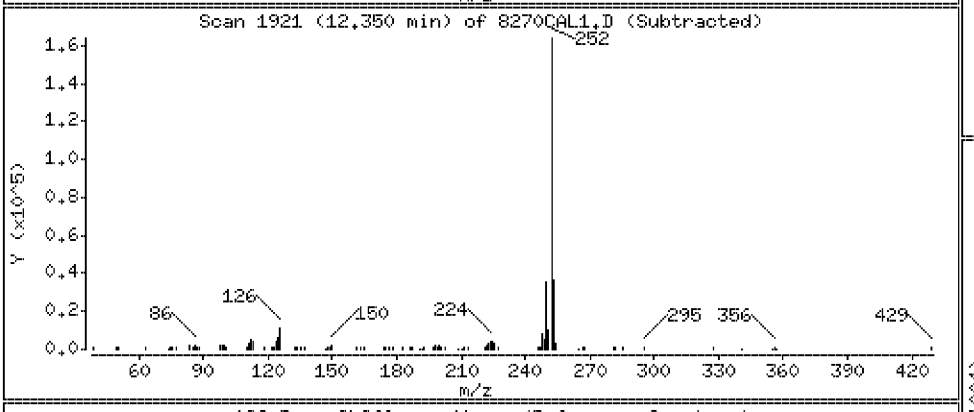
Column diameter: 0.25

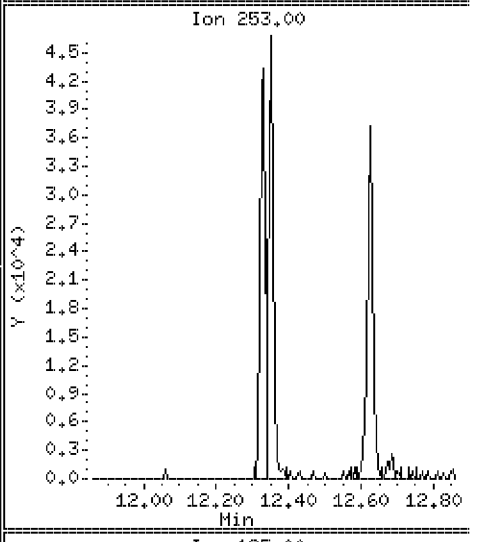
128 Benzo[k]fluoranthene

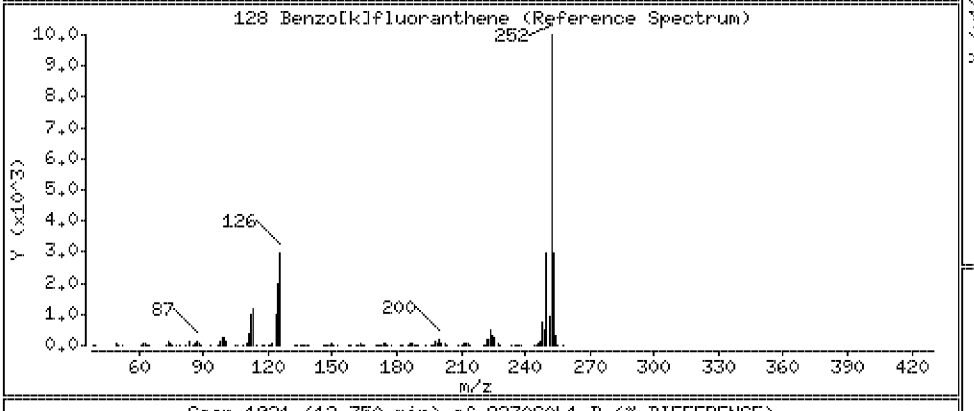
Concentration: 4.2 ug/l

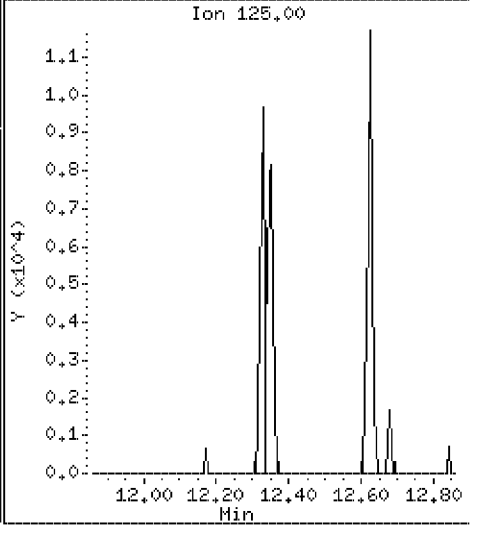


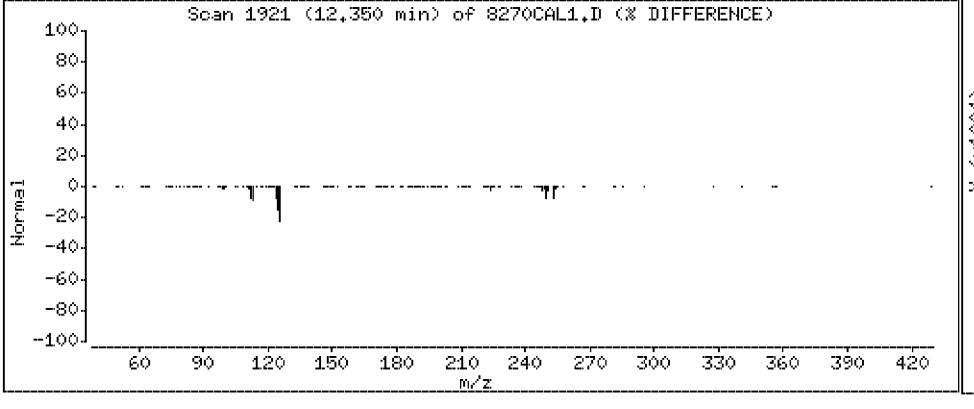












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

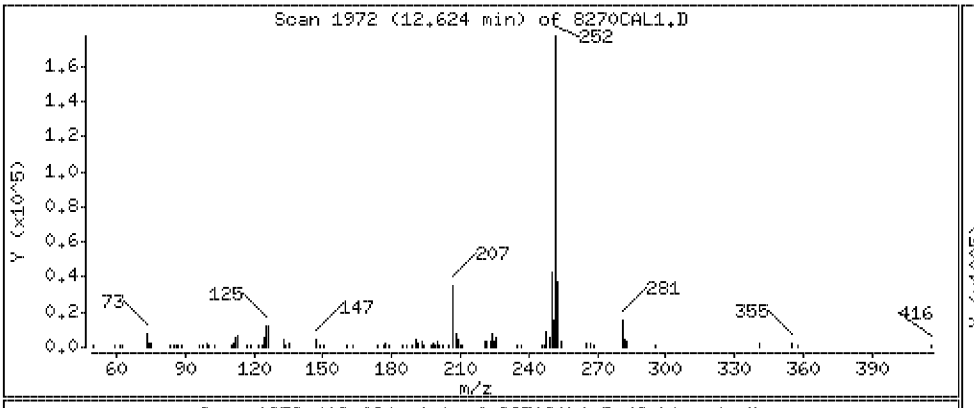
Operator: PEL

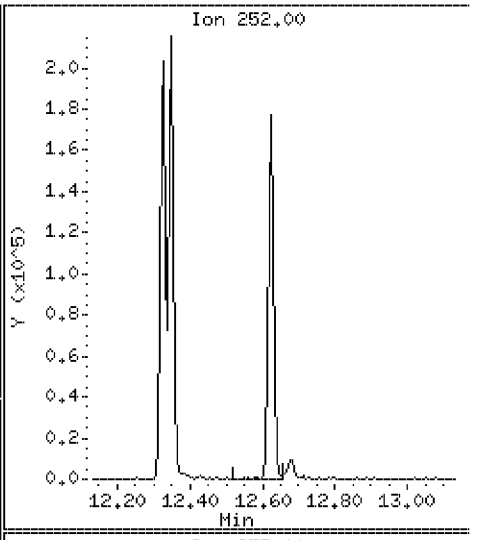
Column phase: HPMS-5

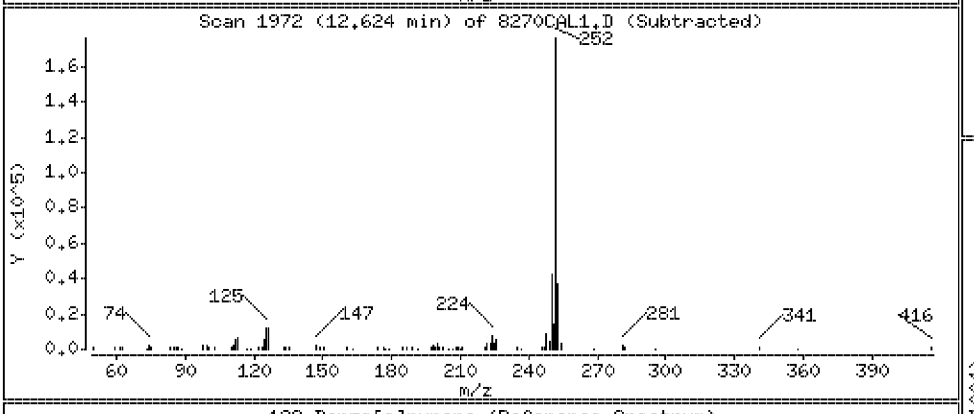
Column diameter: 0.25

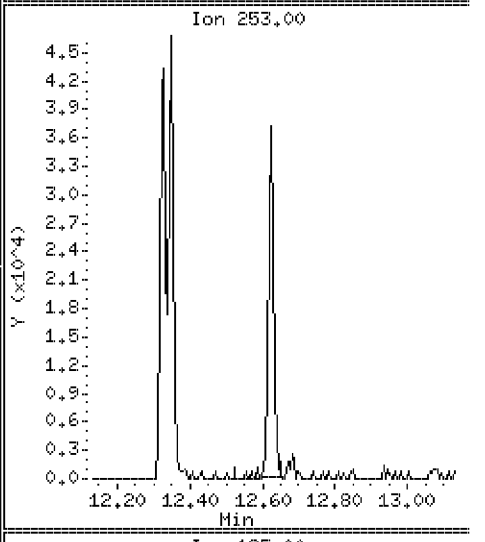
129 Benzo[a]pyrene

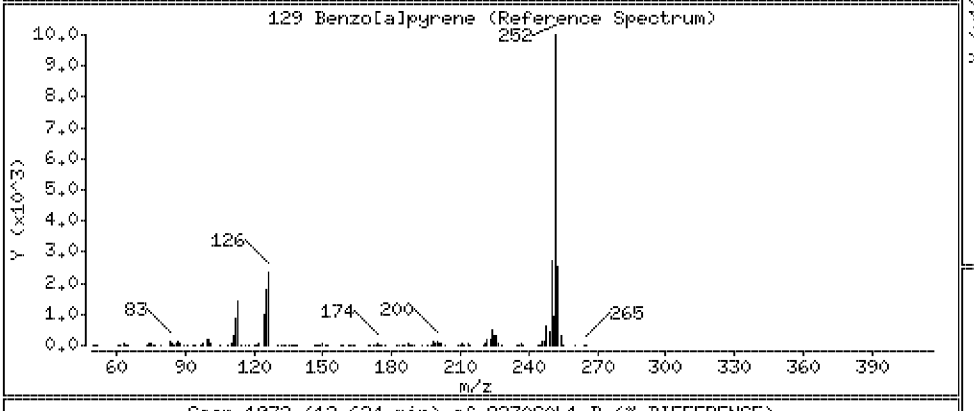
Concentration: 3.8 ug/l

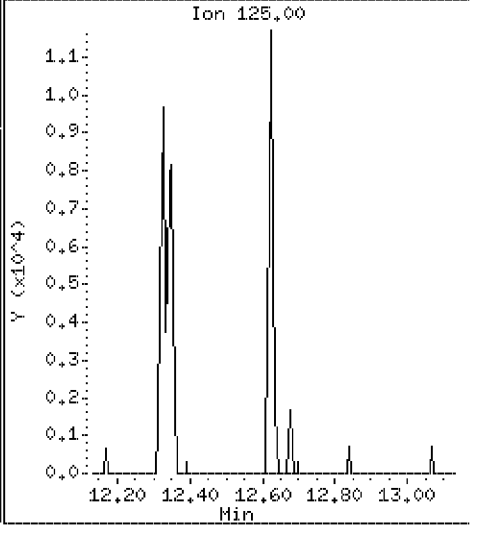


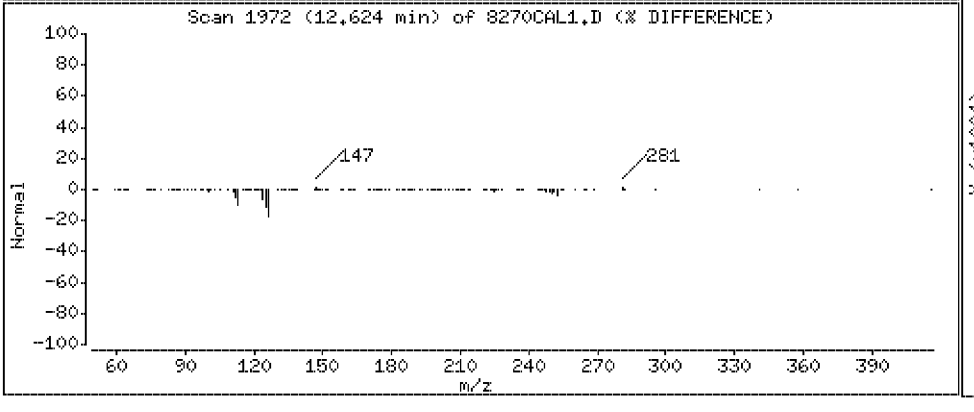












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

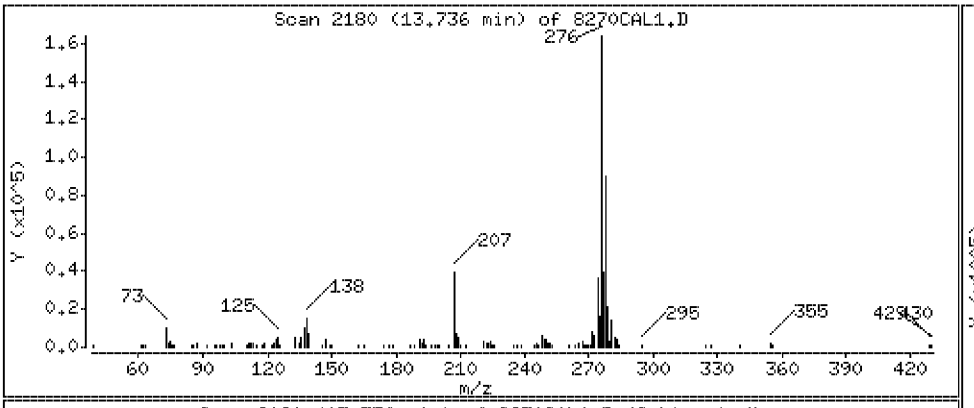
Operator: PEL

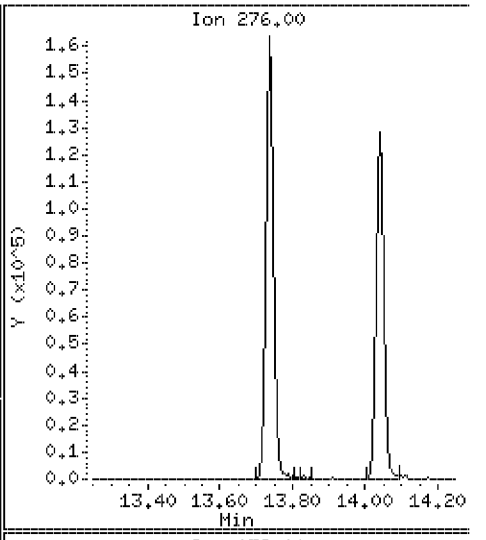
Column phase: HPMS-5

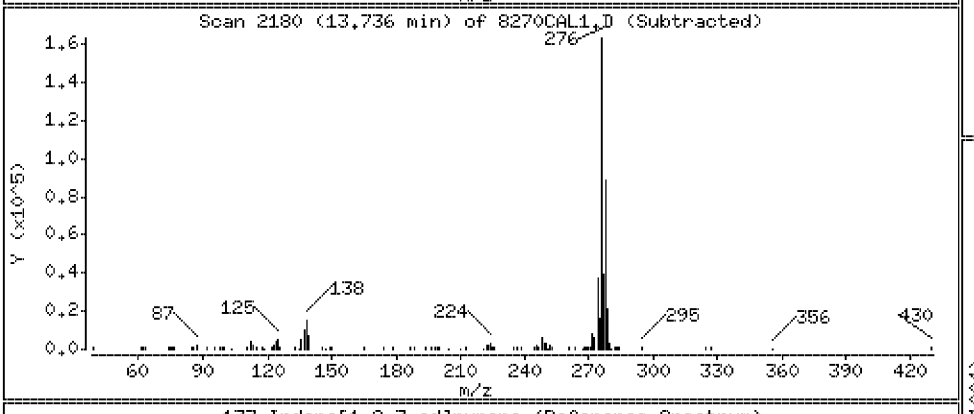
Column diameter: 0.25

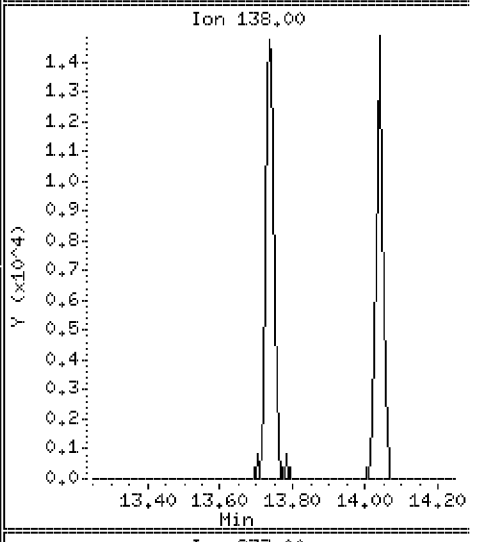
133 Indeno[1,2,3-cd]pyrene

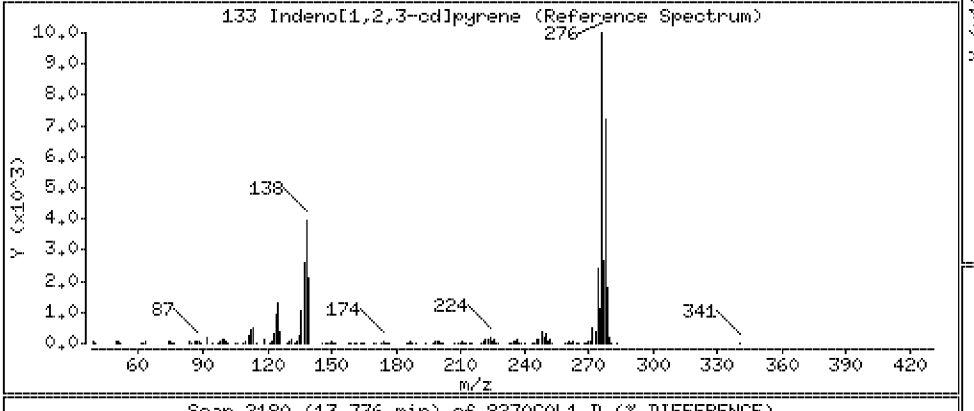
Concentration: 3.9 ug/l

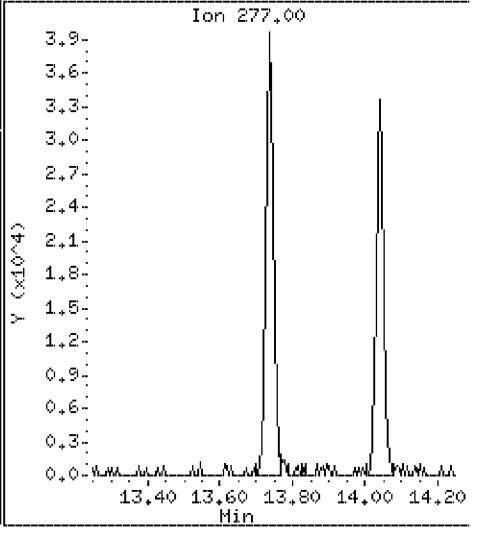


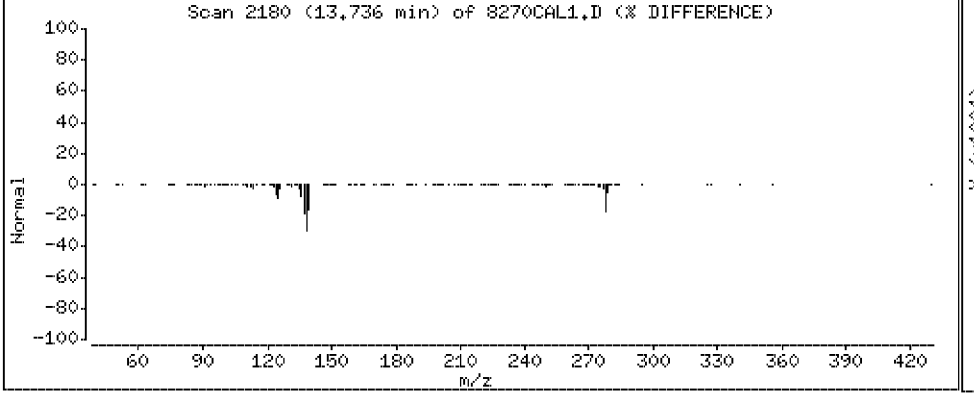












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270CAL1.D

Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

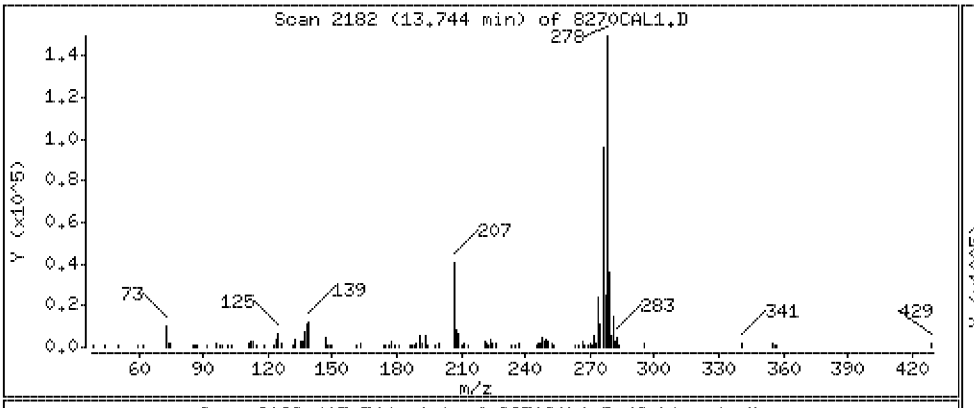
Operator: PEL

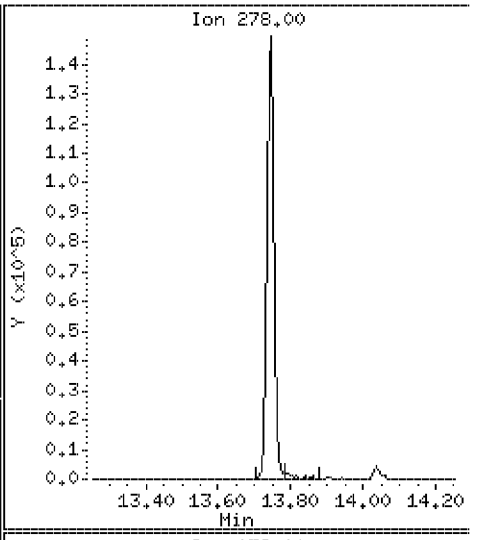
Column phase: HPMS-5

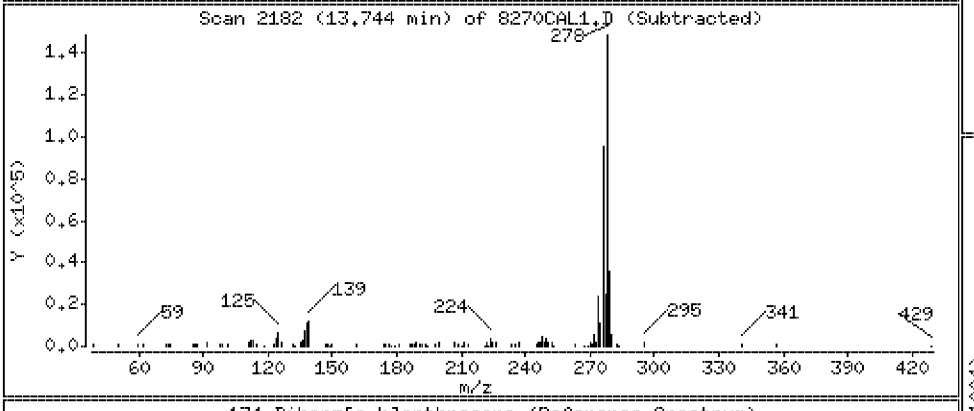
Column diameter: 0.25

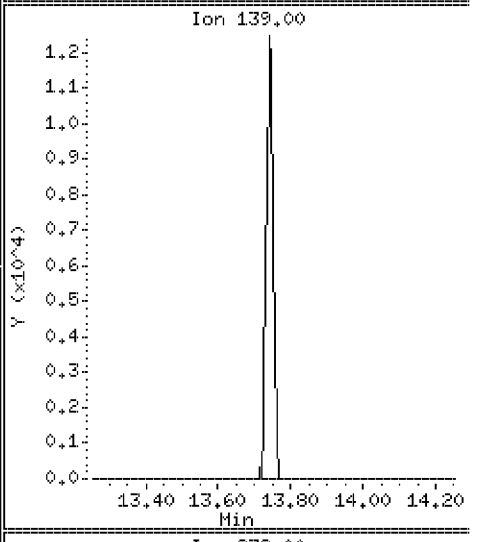
134 Dibenz[a,h]anthracene

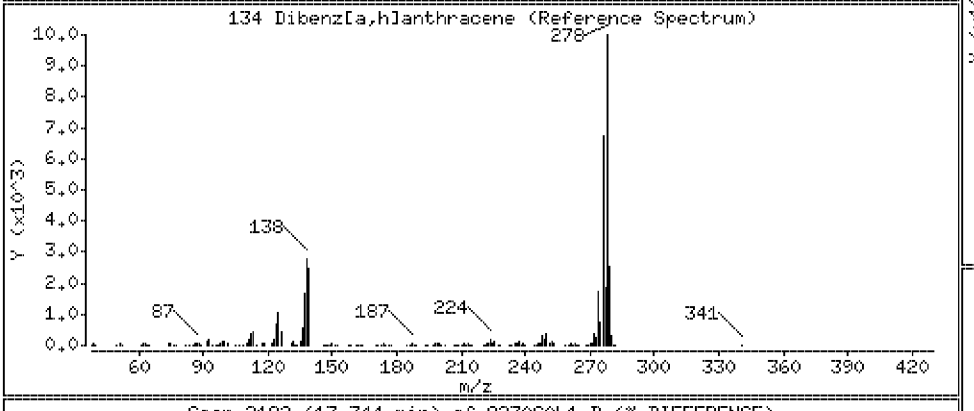
Concentration: 3.8 ug/l

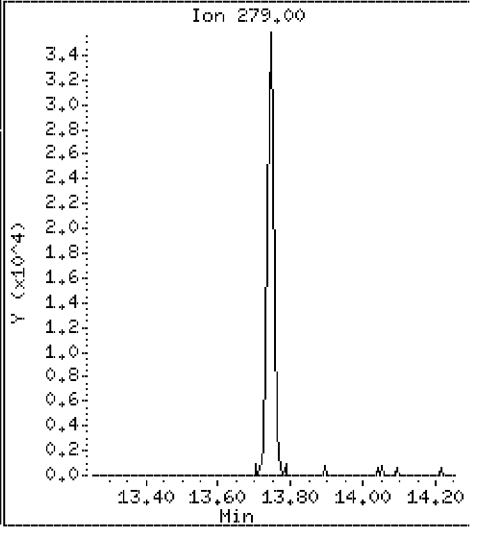


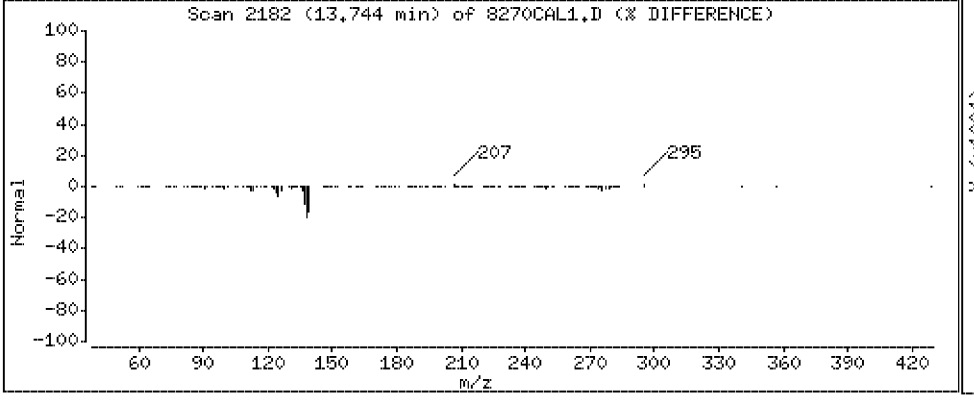












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Date : 23-APR-2012 12:45

Client ID: 8270CAL1

Instrument: smsd03.i

Sample Info: 45927

Purge Volume: 1000.0

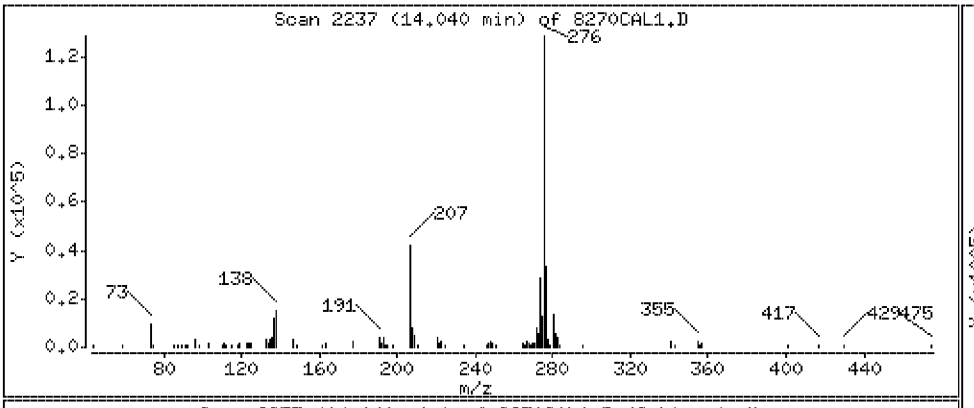
Operator: PEL

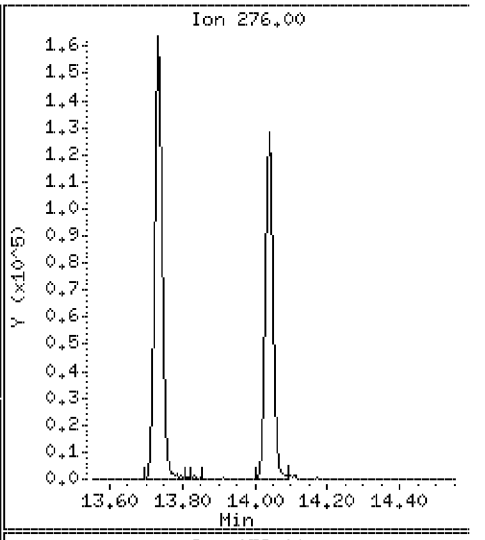
Column phase: HPMS-5

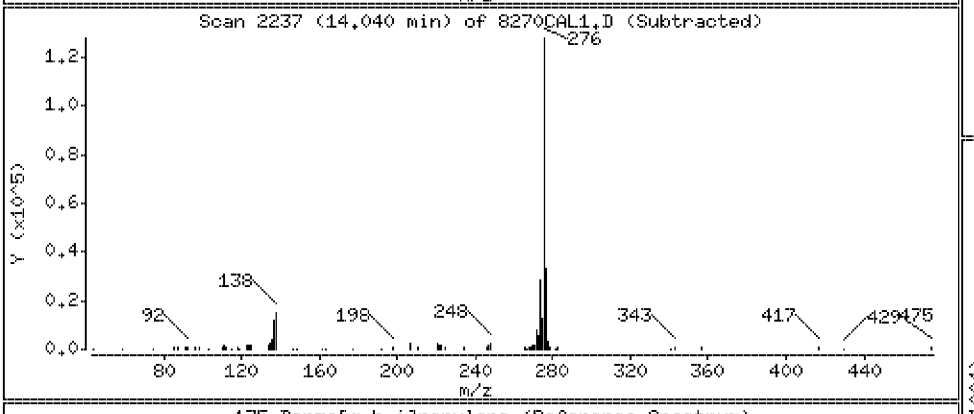
Column diameter: 0.25

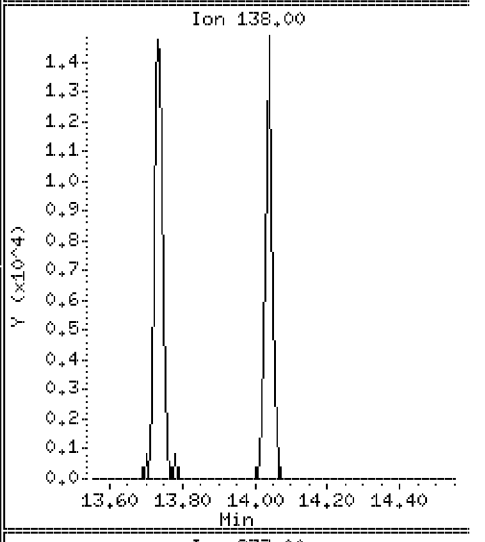
135 Benzo[g,h,i]perylene

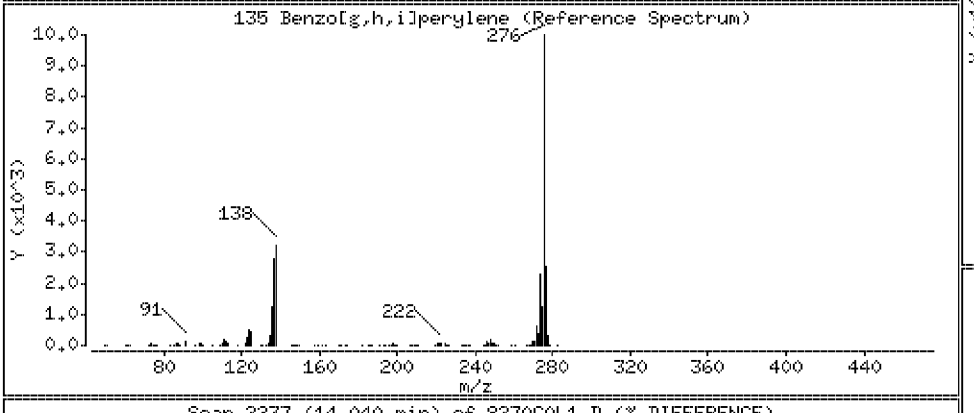
Concentration: 4.1 ug/l

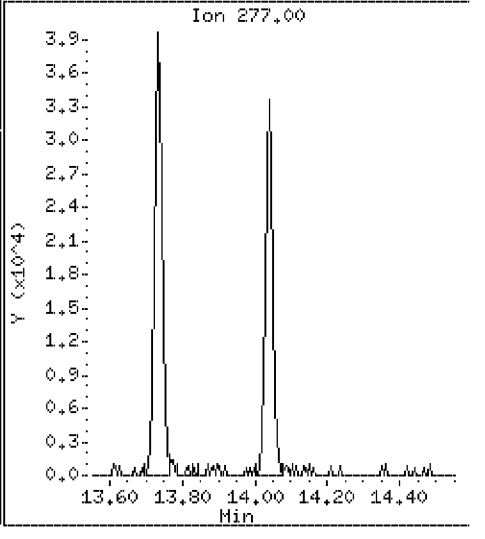


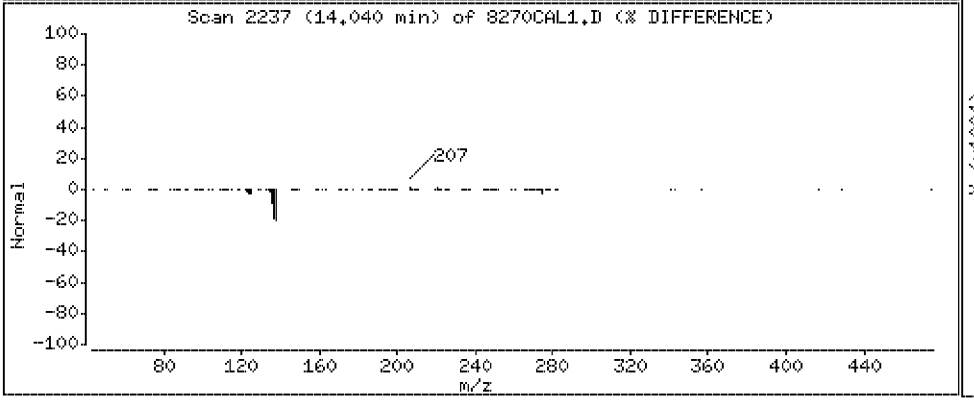












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D
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Inj Date : 23-APR-2012 13:33 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45872
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 12:21 Cal File: 8270CAL2.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.382	2.381	(0.536)	79	547543	45.0000	43.7	80.00- 120.00	100.00
2.381	2.381	(0.535)	52	210263			7.01- 67.01	38.40
M 16 Cresols (Total)						CAS #: 1319-77-3		
				971682	90.0000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.339	2.338	(0.526)	42	260439	45.0000	46.0	80.00- 120.00	100.00
2.339	2.338	(0.526)	74	365327			112.35- 172.35	140.27
2.339	2.338	(0.526)	44	11448			0.00- 34.21	4.40
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.383	3.383	(0.761)	112	904376	90.0000	93.8	80.00- 120.00	100.00
3.382	3.383	(0.760)	64	562067			33.15- 93.15	62.15
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.139	4.139	(0.931)	99	1110922	90.0000	86.0	80.00- 120.00	100.00
4.138	4.139	(0.930)	42	225448			0.00- 48.89	20.29
4.138	4.139	(0.930)	71	618789			23.76- 83.76	55.70
13 Phenol						CAS #: 108-95-2		
4.150	4.151	(0.933)	94	663294	45.0000	45.2	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.151	4.151	(0.933)	65	395243			31.39- 91.39	59.59
4.150	4.151	(0.933)	66	728418			81.48- 141.48	109.82
	10 Aniline					CAS #: 62-53-3		
4.167	4.166	(0.937)	93	672444	45.0000	43.2	80.00- 120.00	100.00
4.151	4.166	(0.933)	65	395267			26.91- 86.91	58.78
4.150	4.166	(0.933)	66	728457			73.34- 133.34	108.33
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.210	4.210	(0.947)	93	446766	45.0000	48.4	80.00- 120.00	100.00
4.210	4.210	(0.947)	63	334552			42.30- 102.30	74.88
4.210	4.210	(0.947)	95	142172			1.53- 61.53	31.82
	15 2-Chlorophenol					CAS #: 95-57-8		
4.278	4.278	(0.962)	128	431805	45.0000	44.8	80.00- 120.00	100.00
4.277	4.278	(0.962)	64	236092			20.72- 80.72	54.68
4.278	4.278	(0.962)	130	140808			2.39- 62.39	32.61
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.401	4.401	(0.989)	146	534511	45.0000	45.2	80.00- 120.00	100.00
4.401	4.401	(0.989)	148	350958			36.16- 96.16	65.66
4.400	4.401	(0.989)	111	237697			16.14- 76.14	44.47
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.448	4.448	(1.000)	152	333687	40.0000		80.00- 120.00	100.00
4.448	4.448	(1.000)	115	207784			32.20- 92.20	62.27
4.448	4.448	(1.000)	150	556392			139.77- 199.77	166.74
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.463	4.462	(1.003)	146	566344	45.0000	45.4	80.00- 120.00	100.00
4.463	4.462	(1.003)	148	376495			38.09- 98.09	66.48
4.463	4.462	(1.003)	111	243417			14.50- 74.50	42.98
	21 Benzyl alcohol					CAS #: 100-51-6		
4.566	4.567	(1.027)	108	277136	45.0000	41.9	80.00- 120.00	100.00
4.566	4.567	(1.027)	79	506840			152.29- 212.29	182.88
4.566	4.567	(1.027)	77	351435			97.26- 157.26	126.81
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.599	4.599	(1.034)	146	511358	45.0000	45.0	80.00- 120.00	100.00
4.599	4.599	(1.034)	148	339086			38.32- 98.32	66.31
4.599	4.599	(1.034)	111	241040			18.14- 78.14	47.14
	22 2-Methylphenol					CAS #: 95-48-7		
4.671	4.671	(1.050)	107	393527	45.0000	45.0	80.00- 120.00	100.00
4.671	4.671	(1.050)	108	437175			82.43- 142.43	111.09
4.671	4.671	(1.050)	79	348087			55.43- 115.43	88.45
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.675	4.675	(1.051)	45	300749	45.0000	46.6	80.00- 120.00	100.00
4.671	4.675	(1.050)	77	398476			102.98- 162.98	132.49
4.675	4.675	(1.051)	121	160054			24.22- 84.22	53.22

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol						CAS #: 106-44-5		
4.807	4.808	(1.081)	107	578155	45.0000	45.8	80.00- 120.00	100.00
4.807	4.808	(1.081)	108	470630			50.54- 110.54	81.40
4.807	4.808	(1.081)	79	188301			2.76- 62.76	32.57
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.799	4.798	(1.079)	70	466824	45.0000	47.5	80.00- 120.00	100.00
4.798	4.798	(1.079)	42	181335			6.87- 66.87	38.84
4.799	4.798	(1.079)	130	90083			0.00- 49.23	19.30
30 Hexachloroethane						CAS #: 67-72-1		
4.901	4.902	(1.102)	117	221121	45.0000	44.9	80.00- 120.00	100.00
4.902	4.902	(1.102)	201	258763			90.07- 150.07	117.02
4.902	4.902	(1.102)	199	166024			43.69- 103.69	75.08
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.944	4.944	(0.881)	82	630108	45.0000	42.6	80.00- 120.00	100.00
4.944	4.944	(0.881)	128	204159			2.76- 62.76	32.40
4.943	4.944	(0.881)	54	240293			7.08- 67.08	38.14
32 Nitrobenzene						CAS #: 98-95-3		
4.961	4.962	(0.884)	77	649848	45.0000	44.6	80.00- 120.00	100.00
4.961	4.962	(0.884)	123	221578			4.18- 64.18	34.10
4.961	4.962	(0.884)	65	100008			0.00- 45.17	15.39
34 Isophorone						CAS #: 78-59-1		
5.173	5.176	(0.922)	82	1000287	45.0000	56.2	80.00- 120.00	100.00(M)
5.176	5.176	(0.923)	138	163687			0.00- 46.29	16.36
5.176	5.176	(0.923)	95	97727			0.00- 39.21	9.77
35 2-Nitrophenol						CAS #: 88-75-5		
5.253	5.253	(0.936)	139	241700	45.0000	44.8	80.00- 120.00	100.00
5.253	5.253	(0.936)	65	173409			43.34- 103.34	71.75
5.253	5.253	(0.936)	109	125447			20.91- 80.91	51.90
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.293	5.294	(0.944)	122	403103	45.0000	48.5	80.00- 120.00	100.00
5.293	5.294	(0.944)	107	552742			111.45- 171.45	137.12
5.294	5.294	(0.944)	121	232642			28.89- 88.89	57.71
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.369	5.369	(0.957)	93	577891	45.0000	48.0	80.00- 120.00	100.00
5.370	5.369	(0.957)	95	190779			3.06- 63.06	33.01
5.370	5.369	(0.957)	123	71128			0.00- 44.40	12.31
40 Benzoic Acid						CAS #: 65-85-0		
5.403	5.404	(0.963)	122	237724	45.0000	41.8	80.00- 120.00	100.00
5.403	5.404	(0.963)	105	312167			107.67- 167.67	131.31
5.402	5.404	(0.963)	77	320383			104.37- 164.37	134.77
41 2,4-Dichlorophenol						CAS #: 120-83-2		
5.489	5.490	(0.978)	162	433350	45.0000	44.2	80.00- 120.00	100.00
5.489	5.490	(0.978)	164	286912			36.50- 96.50	66.21

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol (continued)								
5.489	5.490	(0.978)	98	151228			5.73- 65.73	34.90
42 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
5.554	5.555	(0.990)	180	544056	45.0000	44.4	80.00- 120.00	100.00
5.554	5.555	(0.990)	182	543100			67.47- 127.47	99.82
5.554	5.555	(0.990)	145	151267			0.00- 58.13	27.80
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.610	5.610	(1.000)	136	1096003	40.0000		80.00- 120.00	100.00
5.609	5.610	(1.000)	68	59295			0.00- 35.51	5.41
44 Naphthalene						CAS #: 91-20-3		
5.630	5.630	(1.004)	128	1339801	45.0000	47.6	80.00- 120.00	100.00
5.630	5.630	(1.004)	129	148430			0.00- 41.28	11.08
5.630	5.630	(1.004)	127	183011			0.00- 43.27	13.66
45 4-Chloroaniline						CAS #: 106-47-8		
5.681	5.681	(1.013)	127	561891	45.0000	47.5	80.00- 120.00	100.00
5.681	5.681	(1.013)	129	180928			2.39- 62.39	32.20
5.680	5.681	(1.013)	65	228808			11.54- 71.54	40.72
48 Hexachlorobutadiene						CAS #: 87-68-3		
5.745	5.746	(1.024)	225	461431	45.0000	49.3	80.00- 120.00	100.00
5.745	5.746	(1.024)	223	287091			32.02- 92.02	62.22
5.746	5.746	(1.024)	227	304378			34.54- 94.54	65.96
51 4-Chloro-3-methylphenol						CAS #: 59-50-7		
6.158	6.158	(1.098)	107	423230	45.0000	44.8	80.00- 120.00	100.00
6.158	6.158	(1.098)	144	108960			0.00- 55.95	25.74
6.158	6.158	(1.098)	142	325302			44.47- 104.47	76.86
53 2-Methylnaphthalene						CAS #: 91-57-6		
6.289	6.289	(1.121)	142	931339	45.0000	45.5	80.00- 120.00	100.00
6.289	6.289	(1.121)	141	828208			58.08- 118.08	88.93
54 1-Methylnaphthalene						CAS #: 90-12-0		
6.385	6.385	(1.138)	142	811986	45.0000	43.7	80.00- 120.00	100.00
6.385	6.385	(1.138)	141	721690			61.72- 121.72	88.88
55 Hexachlorocyclopentadiene						CAS #: 77-47-4		
6.445	6.445	(0.882)	237	543741	45.0000	47.4	80.00- 120.00	100.00
6.444	6.445	(0.882)	235	337423			33.37- 93.37	62.06
6.445	6.445	(0.882)	272	77041			0.00- 43.74	14.17
57 2,4,6-Trichlorophenol						CAS #: 88-06-2		
6.619	6.620	(0.906)	196	420152	45.0000	46.5	80.00- 120.00	100.00
6.619	6.620	(0.906)	198	407924			67.07- 127.07	97.09
6.619	6.620	(0.906)	200	129511			1.30- 61.30	30.82
58 2,4,5-Trichlorophenol						CAS #: 95-95-4		
6.569	6.570	(0.899)	196	391717	45.0000	46.9	80.00- 120.00	100.00
6.569	6.570	(0.899)	198	378222			69.46- 129.46	96.55

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.568	6.570	(0.899)	97	251369			34.72- 94.72	64.17
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.643	6.644	(0.909)	172	1243495	45.0000	44.2	80.00- 120.00	100.00
6.643	6.644	(0.909)	171	451095			5.03- 65.03	36.28
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.762	6.763	(0.926)	162	988608	45.0000	46.4	80.00- 120.00	100.00
6.762	6.763	(0.926)	164	335943			4.20- 64.20	33.98
6.762	6.763	(0.926)	127	373061			7.85- 67.85	37.74
63 2-Nitroaniline						CAS #: 88-74-4		
6.868	6.869	(0.940)	65	357040	45.0000	48.7	80.00- 120.00	100.00
6.868	6.869	(0.940)	92	221316			30.25- 90.25	61.99
6.869	6.869	(0.940)	138	301334			52.43- 112.43	84.40
65 Dimethylphthalate						CAS #: 131-11-3		
7.039	7.040	(0.964)	163	1174594	45.0000	48.0	80.00- 120.00	100.00
7.039	7.040	(0.964)	194	68492			0.00- 35.55	5.83
7.039	7.040	(0.964)	164	126027			0.00- 40.55	10.73
68 Acenaphthylene						CAS #: 208-96-8		
7.167	7.167	(0.981)	152	1515719	45.0000	48.1	80.00- 120.00	100.00
7.167	7.167	(0.981)	151	311178			0.00- 50.50	20.53
7.167	7.167	(0.981)	153	211288			0.00- 43.76	13.94
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.100	7.100	(0.972)	165	260195	45.0000	47.0	80.00- 120.00	100.00
7.100	7.100	(0.972)	89	201555			49.02- 109.02	77.46
7.099	7.100	(0.972)	63	194940			44.86- 104.86	74.92
69 3-Nitroaniline						CAS #: 99-09-2		
7.272	7.271	(0.995)	138	242797	45.0000	49.4	80.00- 120.00	100.00
7.271	7.271	(0.995)	108	26931			0.00- 41.32	11.09
7.271	7.271	(0.995)	92	326863			100.05- 160.05	134.62
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.305	7.305	(1.000)	164	726518	40.0000		80.00- 120.00	100.00
7.305	7.305	(1.000)	162	698556			64.73- 124.73	96.15
7.305	7.305	(1.000)	160	321070			12.46- 72.46	44.19
71 Acenaphthene						CAS #: 83-32-9		
7.337	7.338	(1.004)	154	887424	45.0000	46.4	80.00- 120.00	100.00
7.337	7.338	(1.004)	153	977052			78.46- 138.46	110.10
7.337	7.338	(1.004)	152	481146			23.44- 83.44	54.22
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.369	7.369	(1.009)	184	182402	45.0000	49.6	80.00- 120.00	100.00
7.368	7.369	(1.009)	63	143471			48.07- 108.07	78.66
7.369	7.369	(1.009)	154	125352			39.61- 99.61	68.72
74 4-Nitrophenol						CAS #: 100-02-7		
7.474	7.476	(1.023)	109	255513	45.0000	47.8	80.00- 120.00	100.00(Q)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	74 4-Nitrophenol (continued)							
7.475	7.476	(1.023)	139	154082			26.63- 86.63	60.30
7.474	7.476	(1.023)	65	280115			81.59- 141.59	109.63
	75 Dibenzofuran					CAS #: 132-64-9		
7.505	7.506	(1.027)	168	1466724	45.0000	47.2	80.00- 120.00	100.00
7.505	7.506	(1.027)	139	623595			12.75- 72.75	42.52
	76 2,4-Dinitrotoluene					CAS #: 121-14-2		
7.494	7.494	(1.026)	165	361660	45.0000	46.6	80.00- 120.00	100.00
7.495	7.494	(1.026)	63	411554			82.10- 142.10	113.80
7.494	7.494	(1.026)	89	370783			72.08- 132.08	102.52
	80 Diethylphthalate					CAS #: 84-66-2		
7.729	7.729	(1.058)	149	1064815	45.0000	47.1	80.00- 120.00	100.00
7.729	7.729	(1.058)	177	248633			0.00- 53.36	23.35
7.728	7.729	(1.058)	150	136976			0.00- 42.43	12.86
	81 Fluorene					CAS #: 86-73-7		
7.840	7.841	(1.073)	166	1303274	45.0000	48.4	80.00- 120.00	100.00
7.840	7.841	(1.073)	165	1242867			65.55- 125.55	95.36
7.840	7.841	(1.073)	167	192064			0.00- 44.15	14.74
	82 4-Chlorophenyl-phenylether					CAS #: 7005-72-3		
7.838	7.838	(1.073)	204	766618	45.0000	47.5	80.00- 120.00	100.00
7.838	7.838	(1.073)	206	259726			4.27- 64.27	33.88
7.837	7.838	(1.073)	141	409057			24.97- 84.97	53.36
	84 4-Nitroaniline					CAS #: 100-01-6		
7.875	7.874	(1.078)	138	210285	45.0000	49.4	80.00- 120.00	100.00
7.874	7.874	(1.078)	92	138118			38.02- 98.02	65.68
7.874	7.874	(1.078)	108	331694			124.92- 184.92	157.74
	85 4,6-Dinitro-2-methylphenol					CAS #: 534-52-1		
7.896	7.896	(0.901)	198	245251	45.0000	43.7	80.00- 120.00	100.00
7.894	7.896	(0.901)	51	92435			6.77- 66.77	37.69
7.895	7.896	(0.901)	105	89227			8.50- 68.50	36.38
	86 N-Nitrosodiphenylamine					CAS #: 86-30-6		
7.957	7.956	(0.908)	169	813988	45.0000	50.0	80.00- 120.00	100.00
7.957	7.956	(0.908)	168	548760			36.61- 96.61	67.42
7.957	7.956	(0.908)	167	298013			4.62- 64.62	36.61
	87 1,2-Diphenylhydrazine					CAS #: 122-66-7		
7.993	7.992	(1.094)	77	1360824	45.0000	52.4	80.00- 120.00	100.00
7.994	7.992	(1.094)	105	173848			0.00- 43.34	12.78
7.994	7.992	(1.094)	182	353102			0.00- 56.11	25.95
$	88 2,4,6-Tribromophenol (SURR)					CAS #: 118-79-6		
8.082	8.083	(1.106)	330	471237	90.0000	92.8	80.00- 120.00	100.00
8.082	8.083	(1.106)	332	458831			66.43- 126.43	97.37
8.080	8.083	(1.106)	141	189414			9.24- 69.24	40.20

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.316	8.318	(0.949)	248	450859	45.0000	47.8	80.00- 120.00	100.00
8.316	8.318	(0.949)	250	441941			67.36- 127.36	98.02
8.315	8.318	(0.949)	141	300339			35.77- 95.77	66.61
94 Hexachlorobenzene							CAS #: 118-74-1	
8.385	8.387	(0.957)	284	504954	45.0000	46.5	80.00- 120.00	100.00
8.383	8.387	(0.957)	142	163337			2.39- 62.39	32.35
8.385	8.387	(0.957)	249	157698			0.06- 60.06	31.23
96 Pentachlorophenol							CAS #: 87-86-5	
8.583	8.585	(0.980)	266	292620	45.0000	45.9	80.00- 120.00	100.00
8.583	8.585	(0.980)	264	184484			33.70- 93.70	63.05
8.583	8.585	(0.980)	268	185403			35.26- 95.26	63.36
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.760	8.761	(1.000)	188	1292183	40.0000		80.00- 120.00	100.00
8.759	8.761	(1.000)	94	83492			0.00- 36.35	6.46
8.759	8.761	(1.000)	80	101530			0.00- 37.82	7.86
101 Phenanthrene							CAS #: 85-01-8	
8.784	8.785	(1.003)	178	1599873	45.0000	48.1	80.00- 120.00	100.00
8.784	8.785	(1.003)	179	262472			0.00- 46.33	16.41
8.784	8.785	(1.003)	176	320139			0.00- 50.11	20.01
103 Anthracene							CAS #: 120-12-7	
8.833	8.835	(1.008)	178	1605293	45.0000	48.4	80.00- 120.00	100.00
8.834	8.835	(1.008)	179	261073			0.00- 45.97	16.26
8.833	8.835	(1.008)	176	321839			0.00- 49.80	20.05
104 Carbazole							CAS #: 86-74-8	
8.996	8.996	(1.027)	167	1414521	45.0000	51.2	80.00- 120.00	100.00
8.995	8.996	(1.027)	139	195313			0.00- 43.89	13.81
8.995	8.996	(1.027)	83	89947			0.00- 36.17	6.36
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.326	9.327	(1.065)	149	1696980	45.0000	48.6	80.00- 120.00	100.00
9.325	9.327	(1.065)	150	165194			0.00- 40.04	9.73
9.325	9.327	(1.065)	104	129553			0.00- 37.79	7.63
109 Fluoranthene							CAS #: 206-44-0	
9.952	9.953	(1.136)	202	1878216	45.0000	49.2	80.00- 120.00	100.00
9.951	9.953	(1.136)	101	124357			0.00- 36.69	6.62
9.951	9.953	(1.136)	203	346578			0.00- 48.82	18.45
111 Pyrene							CAS #: 129-00-0	
10.176	10.176	(0.896)	202	1966656	45.0000	47.9	80.00- 120.00	100.00
10.176	10.176	(0.896)	200	438361			0.00- 51.88	22.29
10.175	10.176	(0.896)	203	382640			0.00- 49.33	19.46
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.321	10.322	(0.909)	244	1690215	45.0000	43.3	80.00- 120.00	100.00
10.320	10.322	(0.909)	122	115182			0.00- 36.72	6.81

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.321	10.322	(0.909)	212	140487			0.00- 38.06	8.31
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.798	10.798	(0.951)	149	902547	45.0000	50.7	80.00- 120.00	100.00
10.797	10.798	(0.951)	91	733744			51.57- 111.57	81.30
10.798	10.798	(0.951)	206	234812			0.00- 55.14	26.02
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.348	11.348	(0.999)	228	2585604	45.0000	49.8	80.00- 120.00	100.00
11.348	11.348	(0.999)	229	561068			0.00- 51.57	21.70
11.348	11.348	(0.999)	226	758719			0.00- 58.54	29.34
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.358	11.359	(1.000)	240	2067093	40.0000		80.00- 120.00	100.00
11.356	11.359	(1.000)	120	127060			0.00- 36.38	6.15
11.358	11.359	(1.000)	236	558917			0.00- 57.06	27.04
123 Chrysene						CAS #: 218-01-9		
11.385	11.384	(1.002)	228	2147464	45.0000	47.2	80.00- 120.00	100.00
11.384	11.384	(1.002)	226	686549			1.12- 61.12	31.97
11.384	11.384	(1.002)	229	468742			0.00- 51.74	21.83
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.350	11.350	(0.999)	149	1608677	45.0000	52.3	80.00- 120.00	100.00
11.350	11.350	(0.999)	167	512491			2.07- 62.07	31.86
11.351	11.350	(0.999)	279	150666			0.00- 39.24	9.37
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.948	11.948	(0.942)	149	2023966	45.0000	51.6	80.00- 120.00	100.00
11.948	11.948	(0.942)	167	36292			0.00- 31.74	1.79
11.947	11.948	(0.942)	43	168476			0.00- 38.21	8.32
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.336	12.333	(0.973)	252	2371959	45.0000	49.1	80.00- 120.00	100.00
12.336	12.333	(0.973)	253	565734			0.00- 54.02	23.85
12.335	12.333	(0.972)	125	115907			0.00- 34.93	4.89
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.360	12.359	(0.974)	252	2370163	45.0000	48.8	80.00- 120.00	100.00
12.360	12.359	(0.974)	253	561867			0.00- 53.57	23.71
12.359	12.359	(0.974)	125	123832			0.00- 35.26	5.22
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.632	12.630	(0.996)	252	2285218	45.0000	48.4	80.00- 120.00	100.00
12.632	12.630	(0.996)	253	537136			0.00- 54.04	23.50
12.631	12.630	(0.996)	125	120054			0.00- 35.52	5.25
* 130 Perylene-d12						CAS #: 1520-96-3		
12.685	12.682	(1.000)	264	1819121	40.0000		80.00- 120.00	100.00
12.684	12.682	(1.000)	260	438337			0.00- 54.80	24.10
12.684	12.682	(1.000)	265	413334			0.00- 53.39	22.72

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.752	13.749	(1.084)	276	2854501	45.0000	48.5	80.00- 120.00	100.00
13.752	13.749	(1.084)	138	355211			0.00- 42.48	12.44
13.753	13.749	(1.084)	277	773427			0.00- 56.82	27.09
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.757	13.755	(1.085)	278	2540999	45.0000	49.4	80.00- 120.00	100.00
13.756	13.755	(1.084)	139	198078			0.00- 37.70	7.80
13.757	13.755	(1.085)	279	634419			0.00- 54.57	24.97
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.057	14.053	(1.108)	276	2163622	45.0000	48.1	80.00- 120.00	100.00
14.056	14.053	(1.108)	138	211735			0.00- 40.01	9.79
14.057	14.053	(1.108)	277	542290			0.00- 54.80	25.06

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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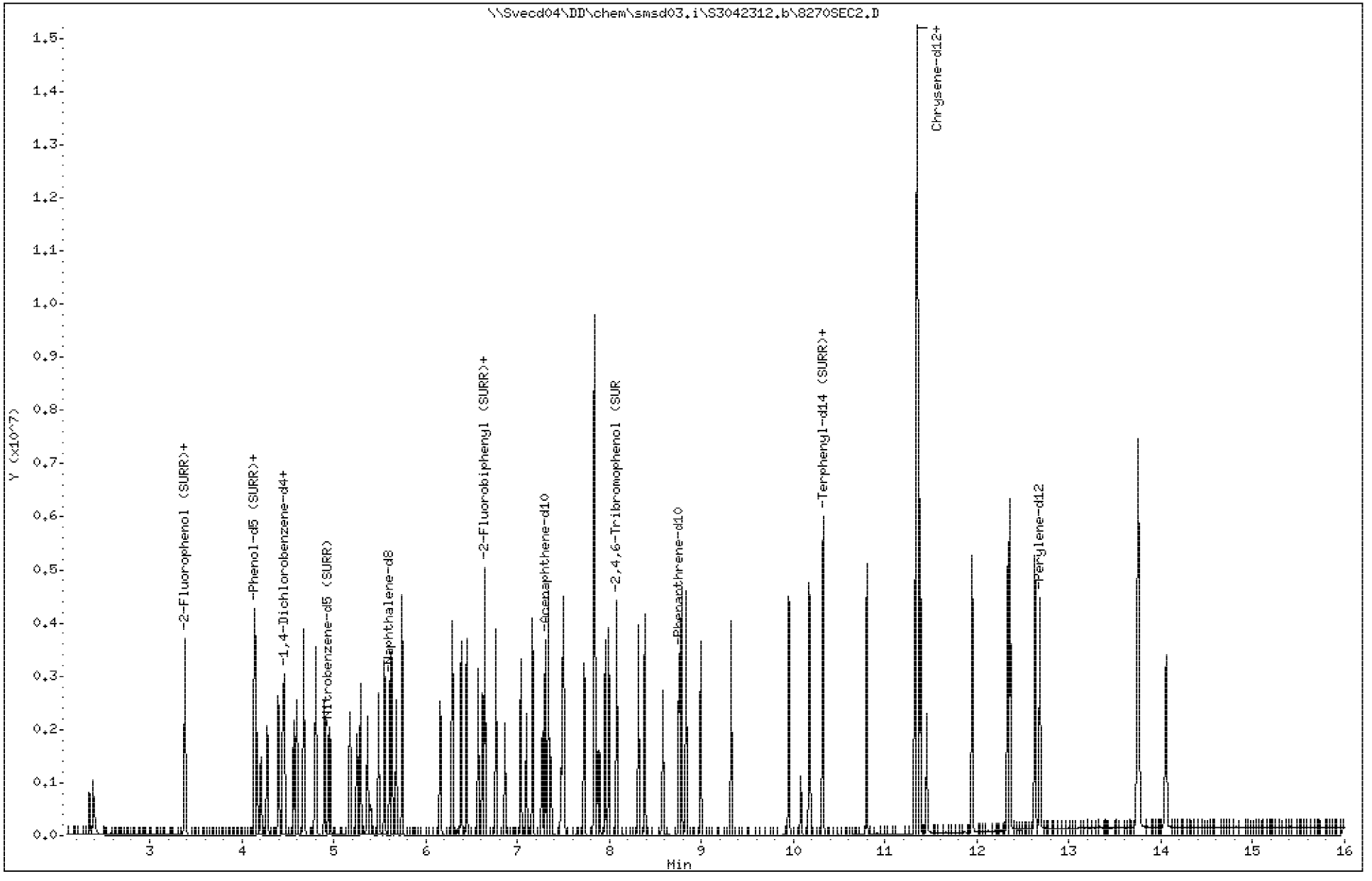
Date : 23-APR-2012 13:33
Client ID: 8270SEC
Instrument: smsd03.i
Sample Info: 45872
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1460



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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

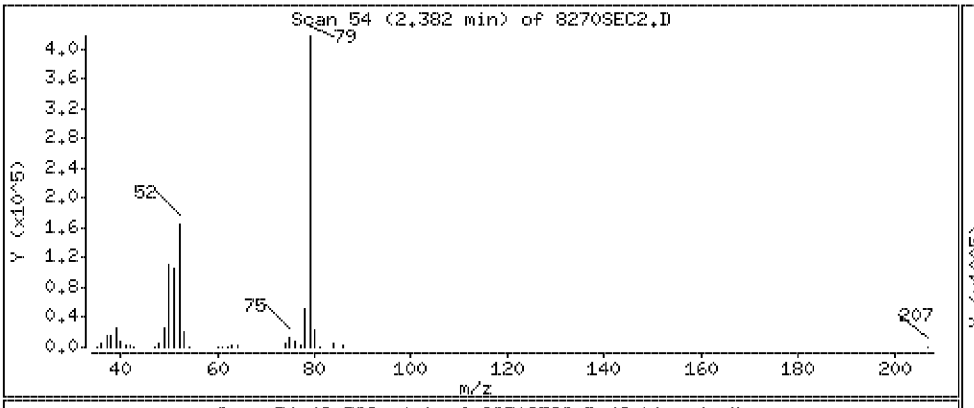
Operator: PEL

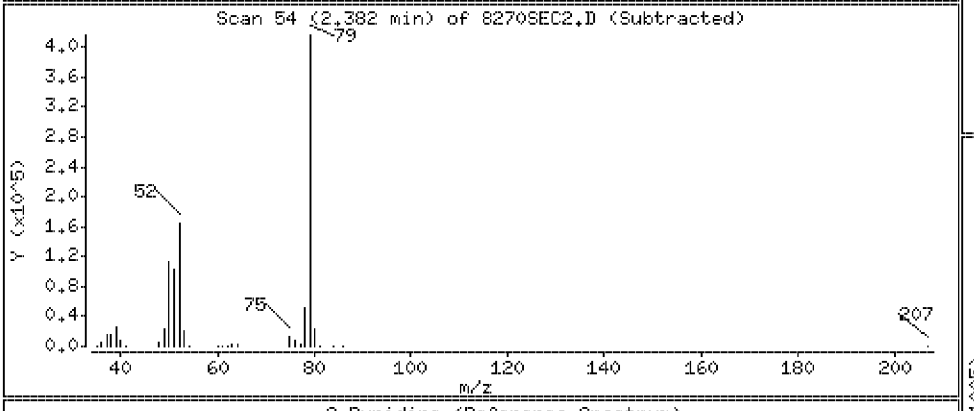
Column phase: HPMS-5

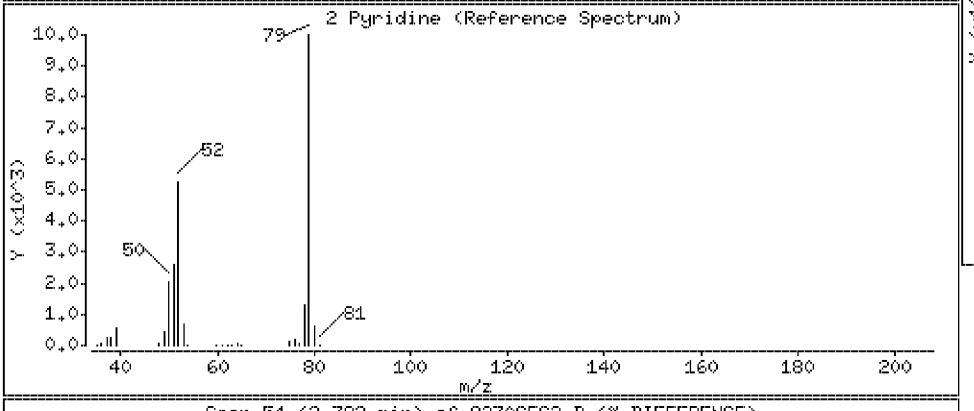
Column diameter: 0.25

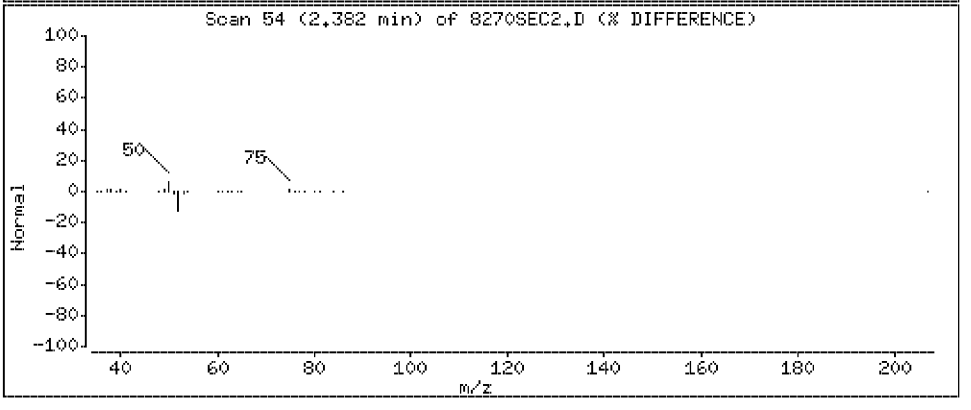
2 Pyridine

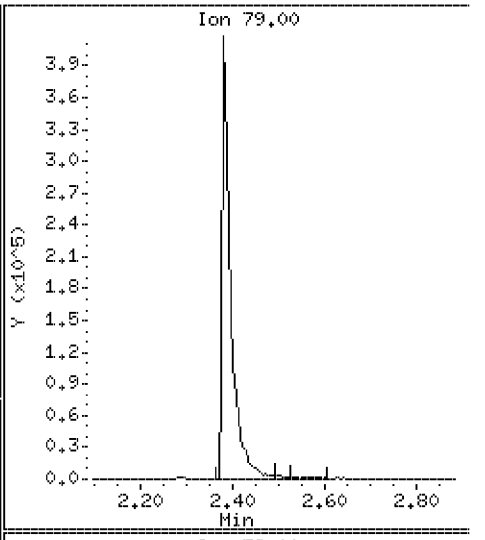
Concentration: 43.7 ug/l

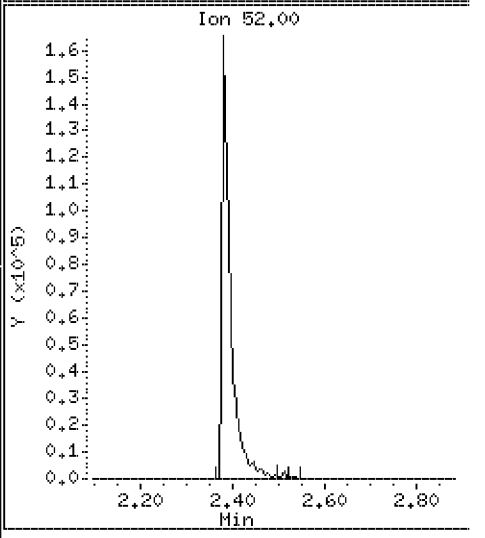












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

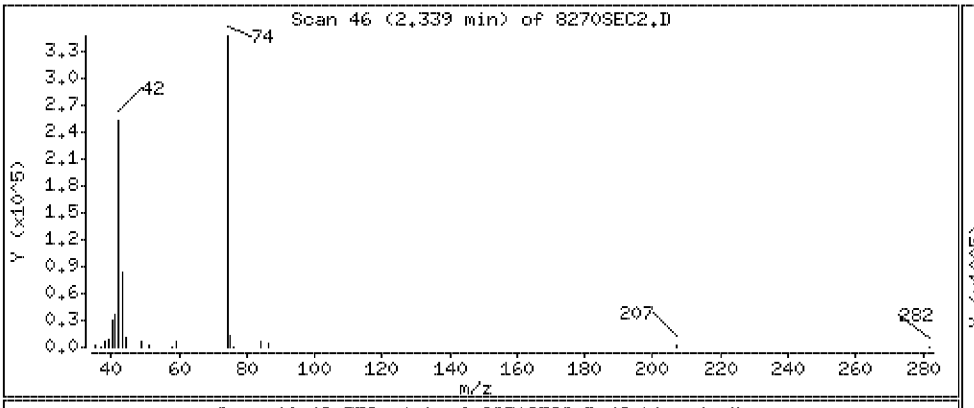
Operator: PEL

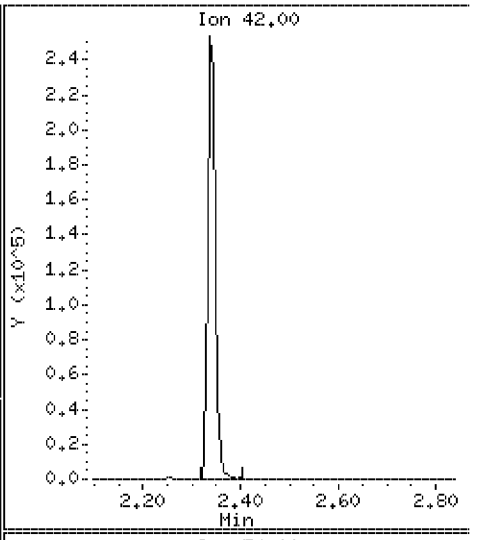
Column phase: HPMS-5

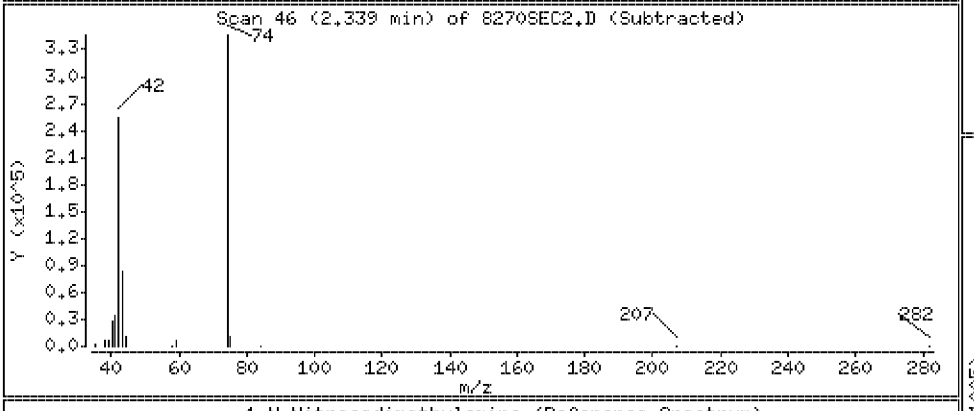
Column diameter: 0.25

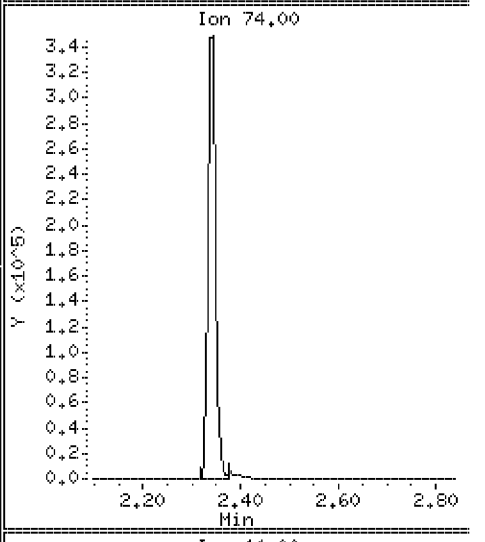
1 N-Nitrosodimethylamine

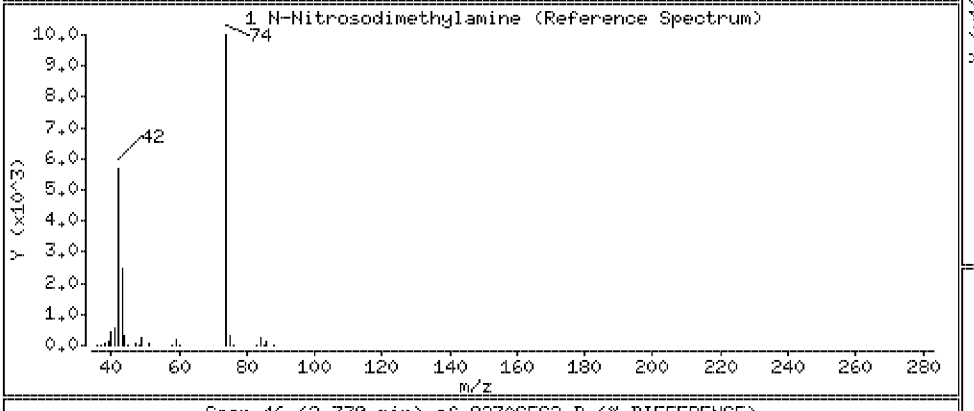
Concentration: 46.0 ug/l

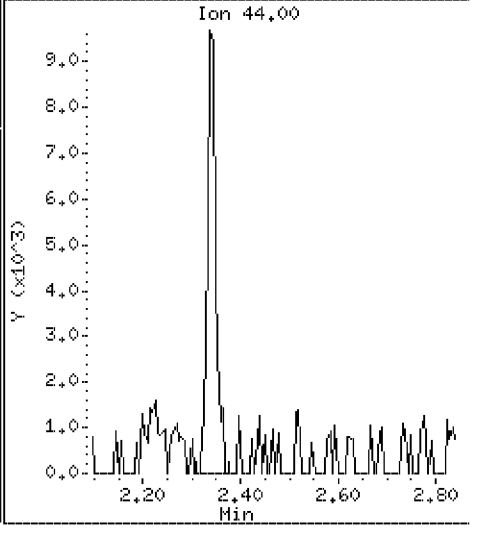


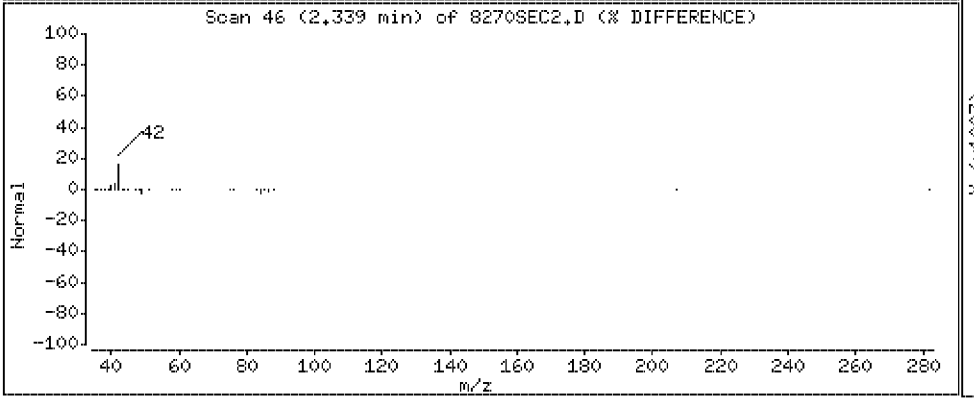












Date : 23-APR-2012 13:33

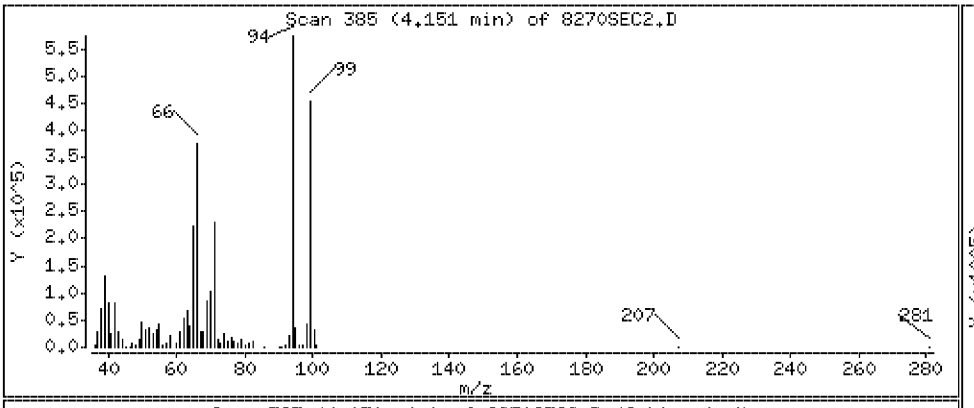
Client ID: 8270SEC Instrument: smsd03.i

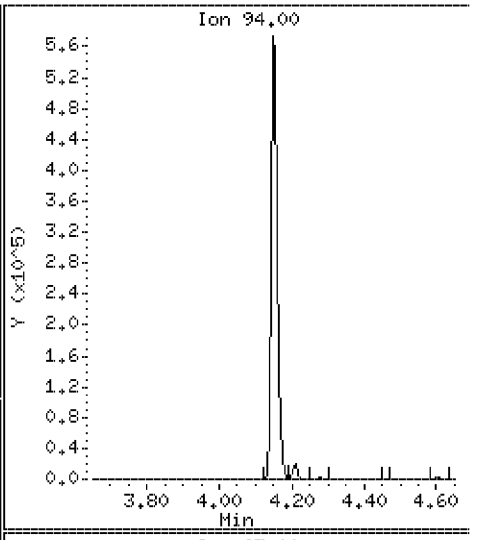
Sample Info: 45872

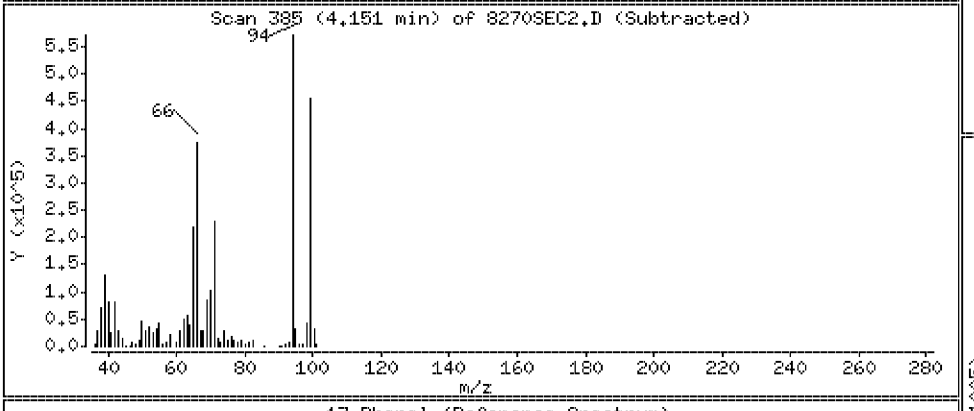
Purge Volume: 1000.0 Operator: PEL

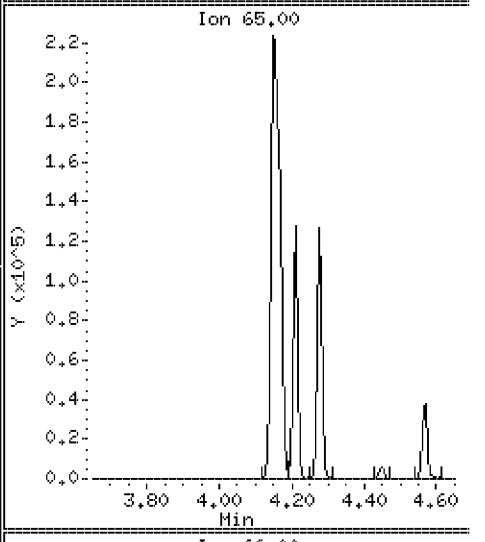
Column phase: HPMS-5 Column diameter: 0.25

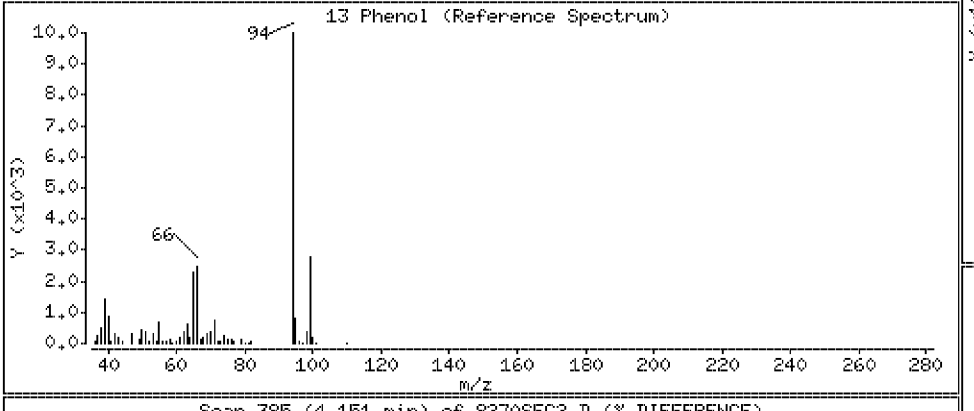
13 Phenol Concentration: 45.2 ug/l

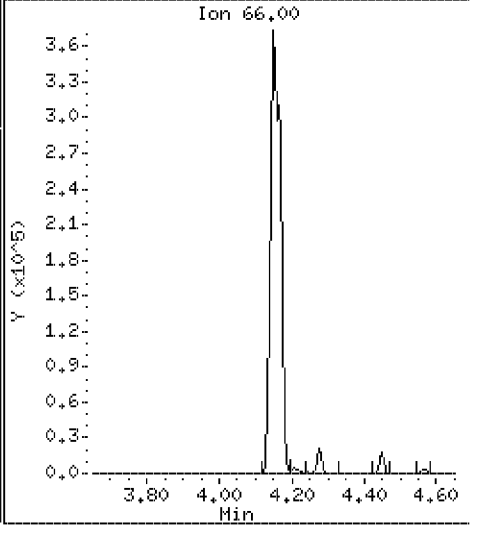


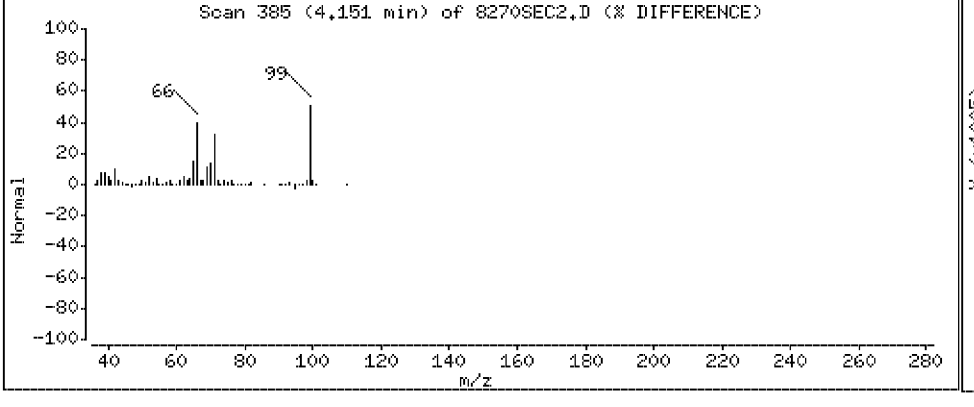












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

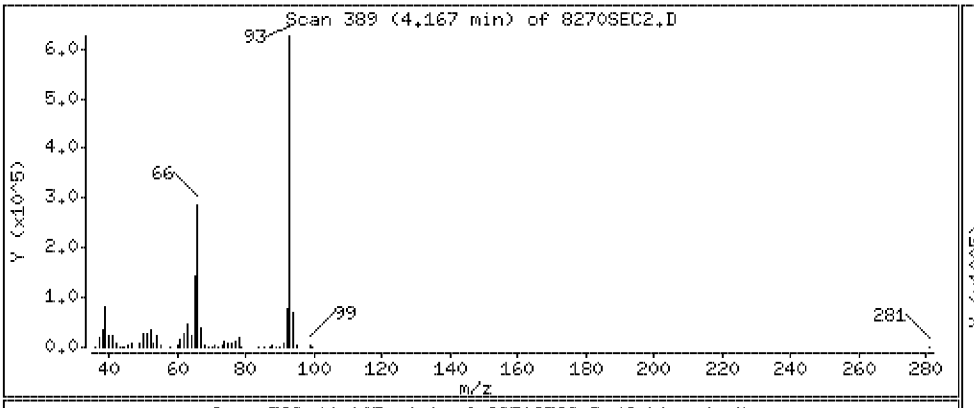
Operator: PEL

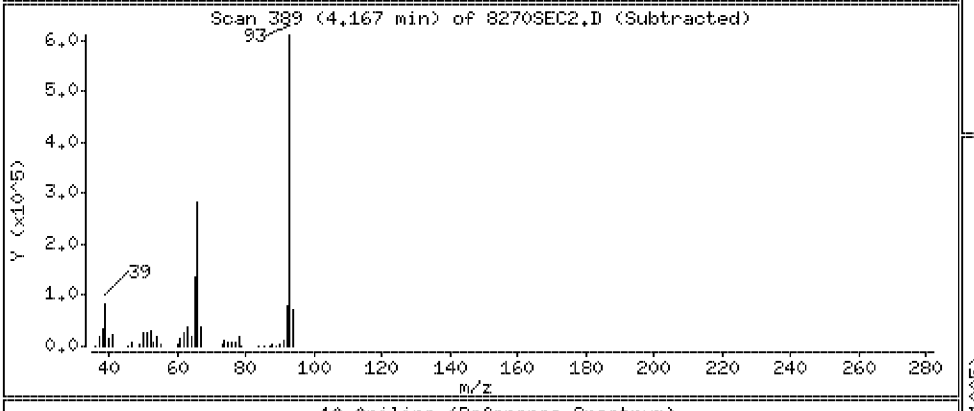
Column phase: HPMS-5

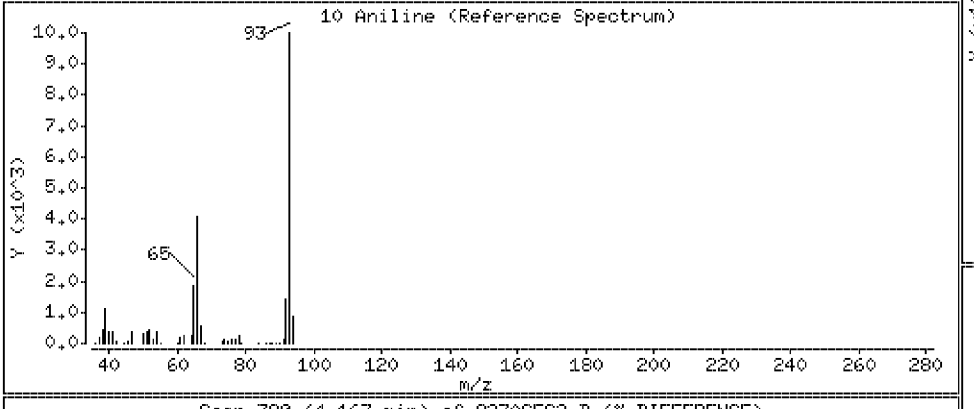
Column diameter: 0.25

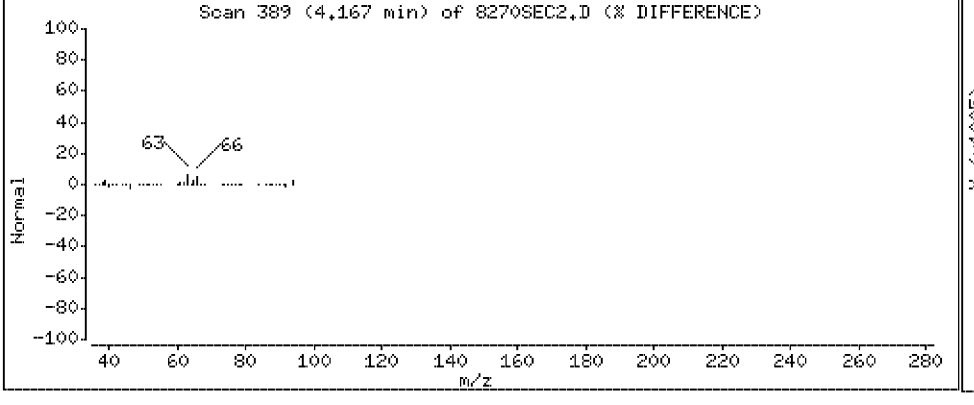
10 Aniline

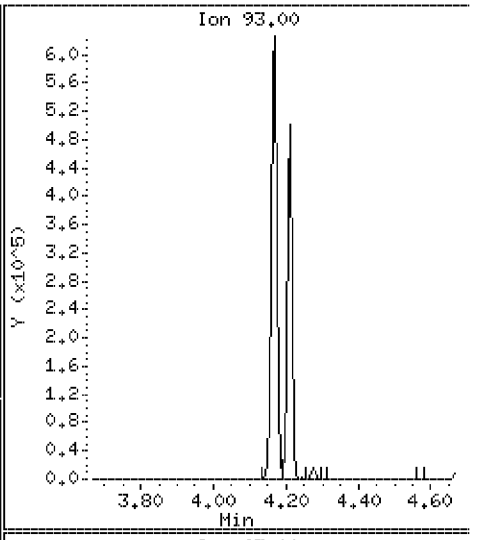
Concentration: 43.2 ug/l

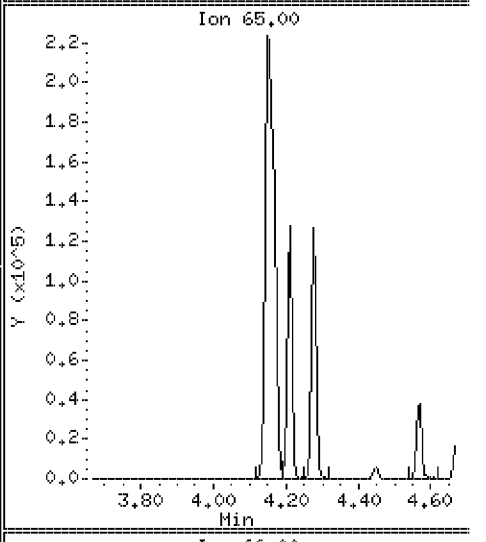


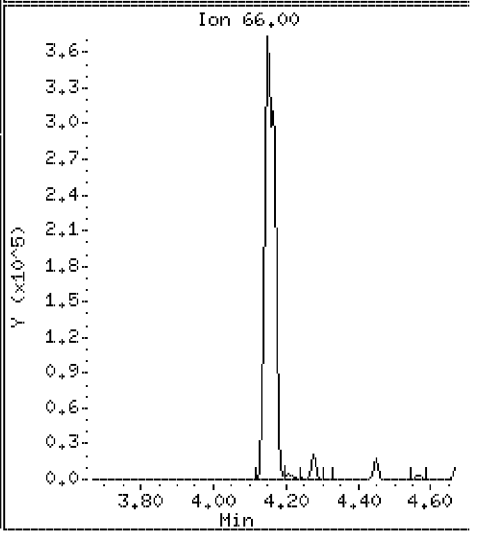












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

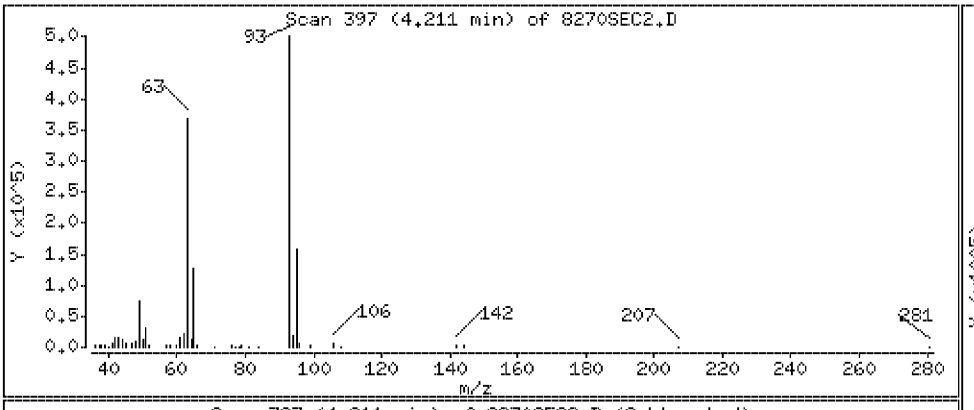
Operator: PEL

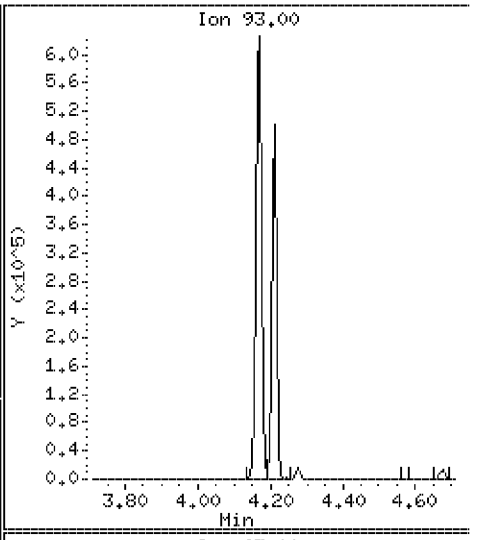
Column phase: HPMS-5

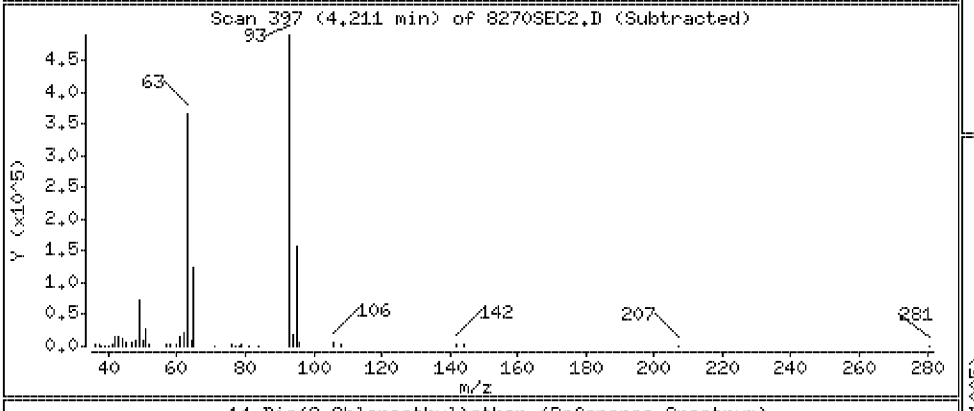
Column diameter: 0.25

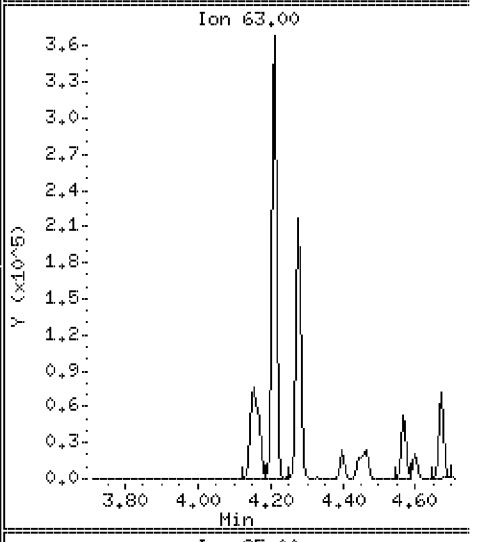
14 Bis(2-Chloroethyl)ether

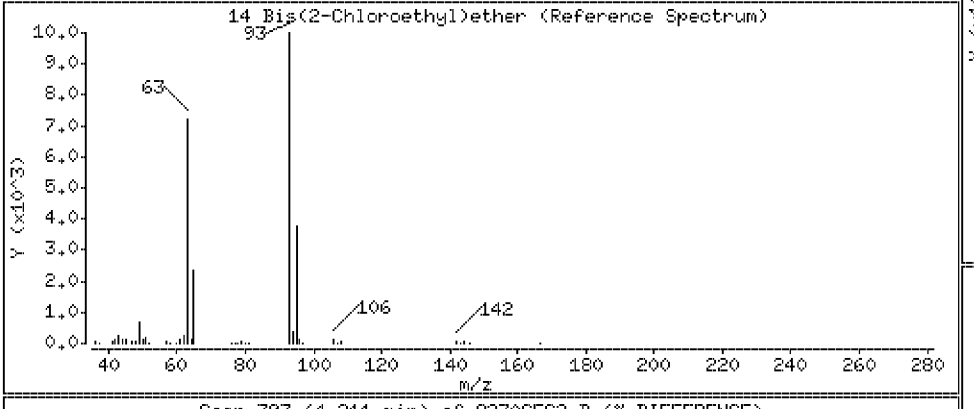
Concentration: 48.4 ug/l

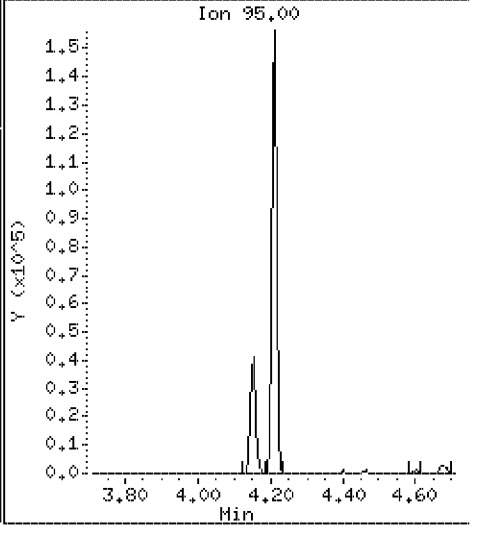


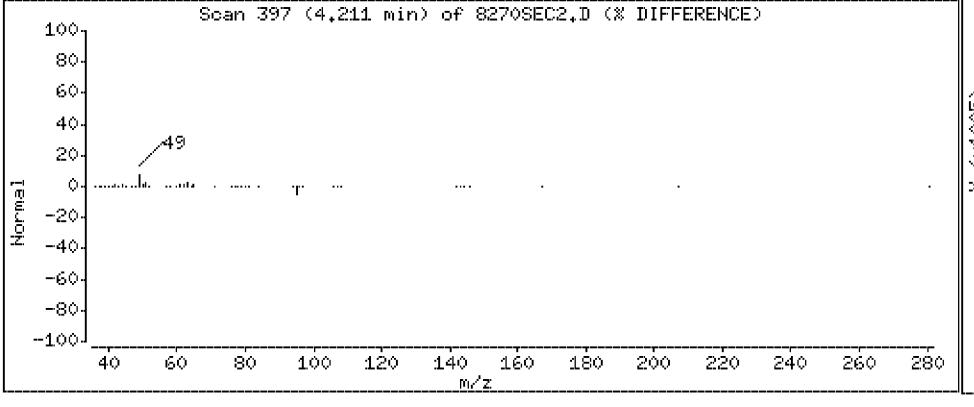












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

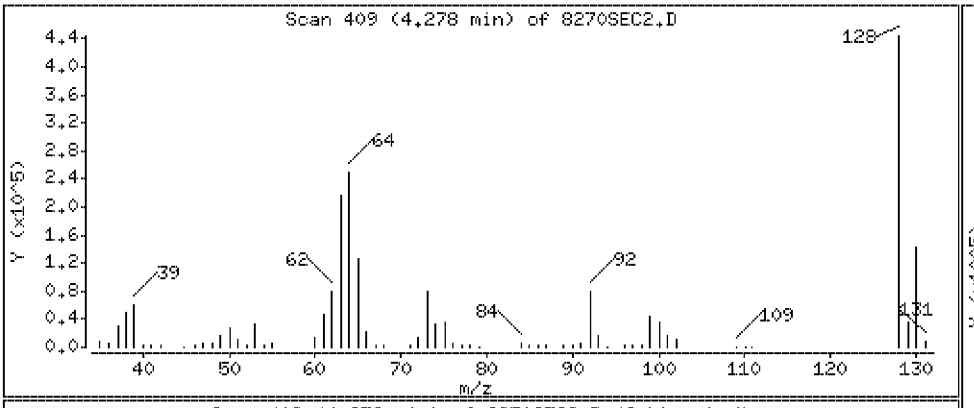
Operator: PEL

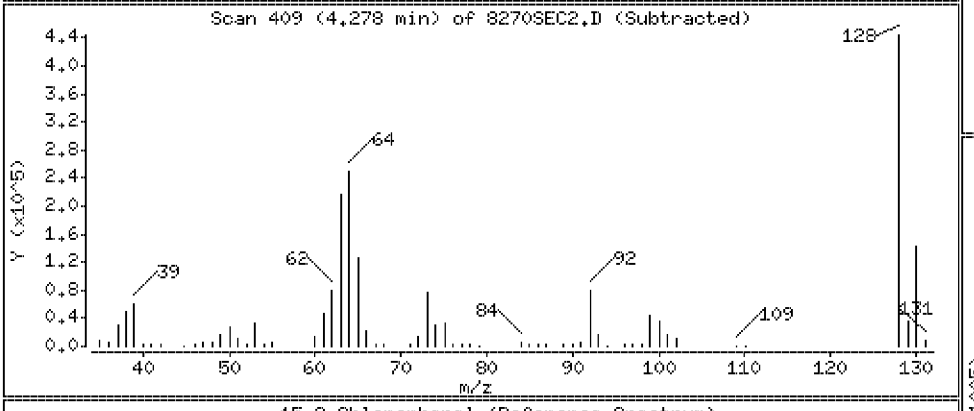
Column phase: HPMS-5

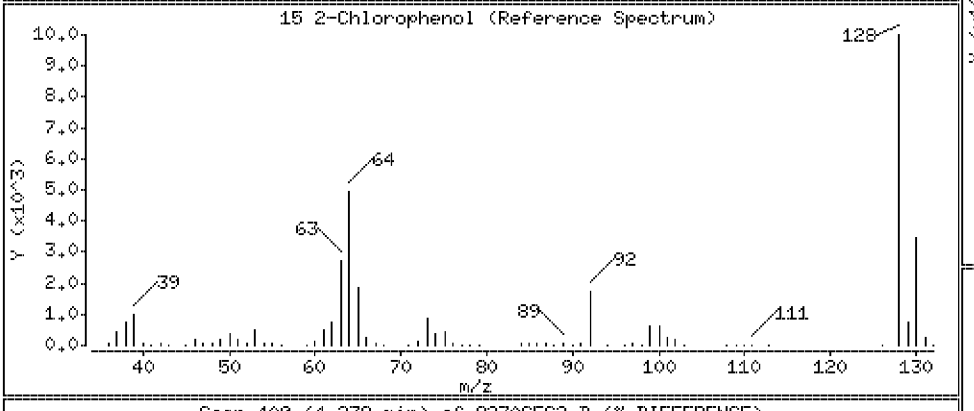
Column diameter: 0.25

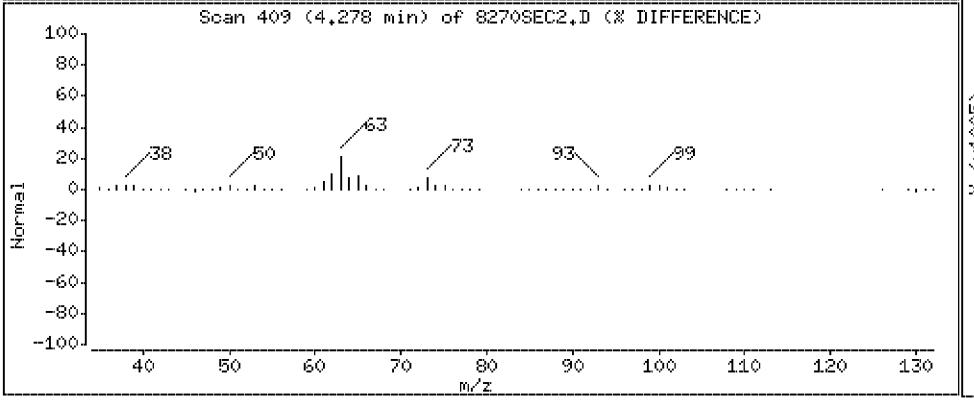
15 2-Chlorophenol

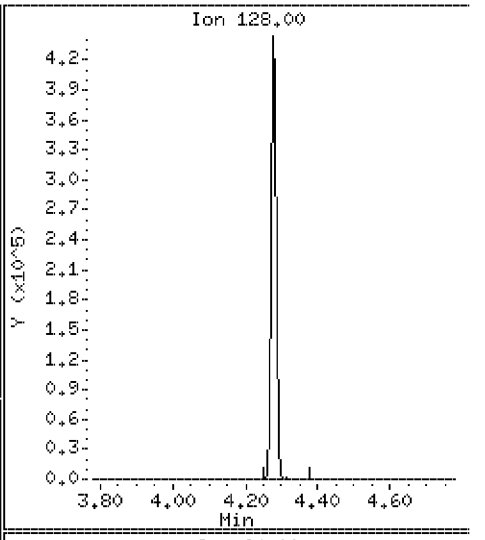
Concentration: 44.8 ug/l

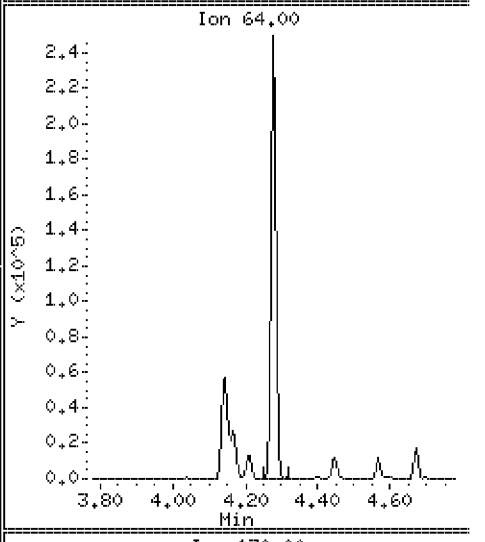


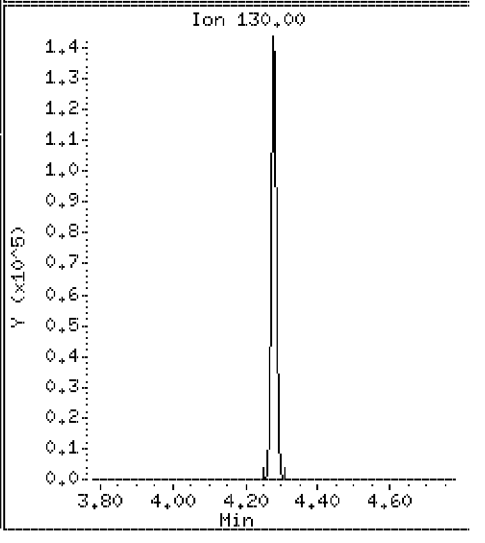












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

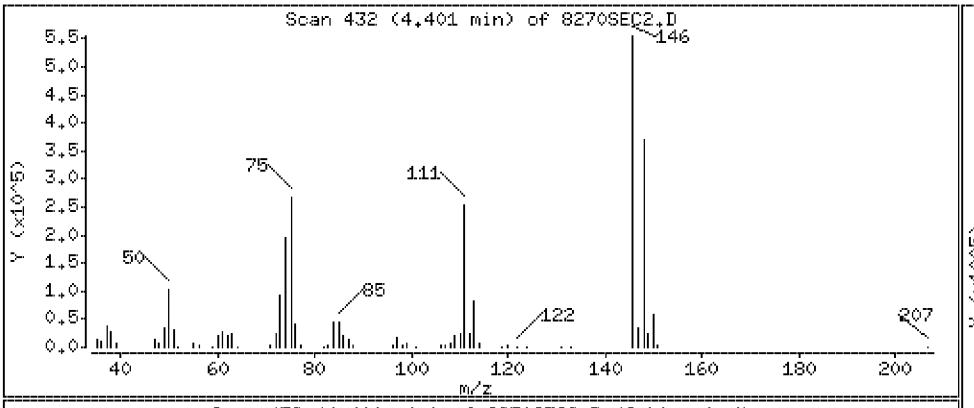
Operator: PEL

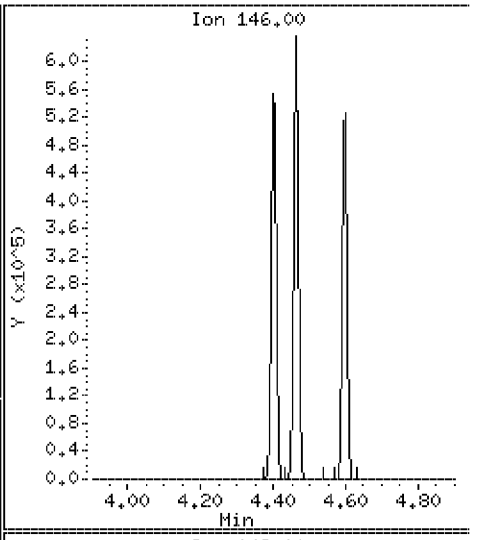
Column phase: HPMS-5

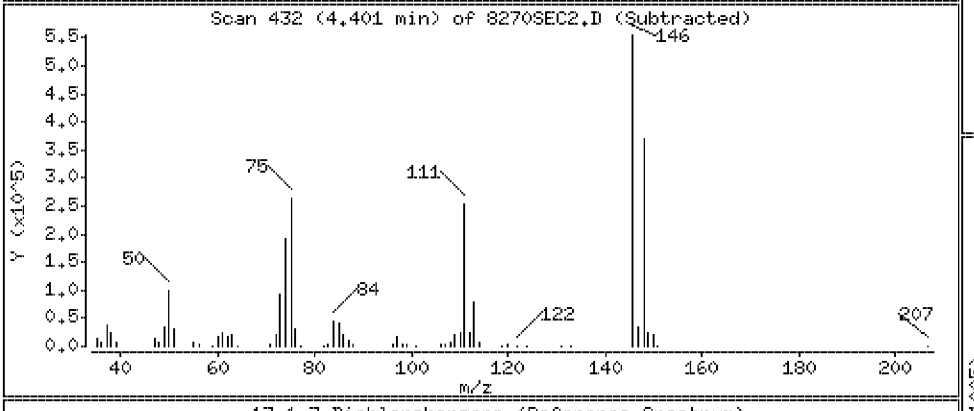
Column diameter: 0.25

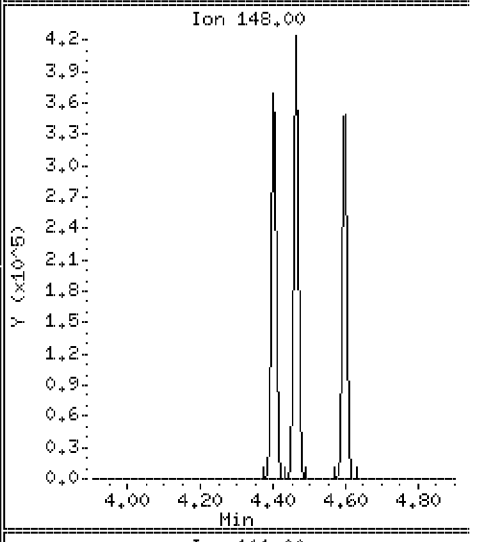
17 1,3-Dichlorobenzene

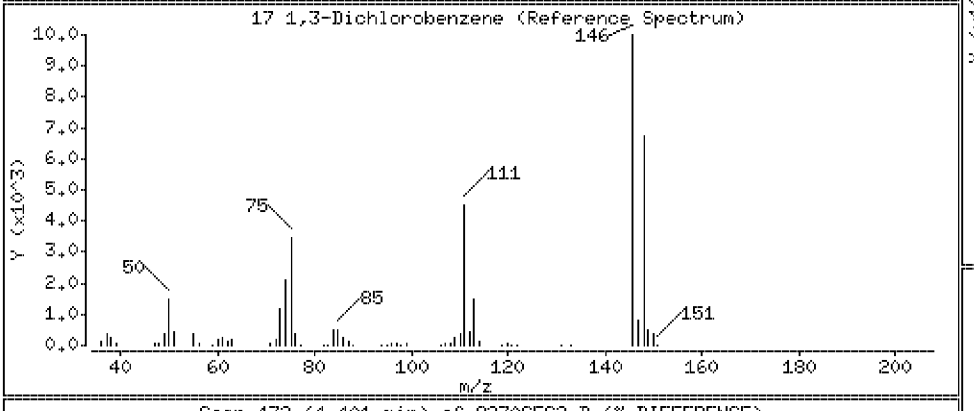
Concentration: 45.2 ug/l

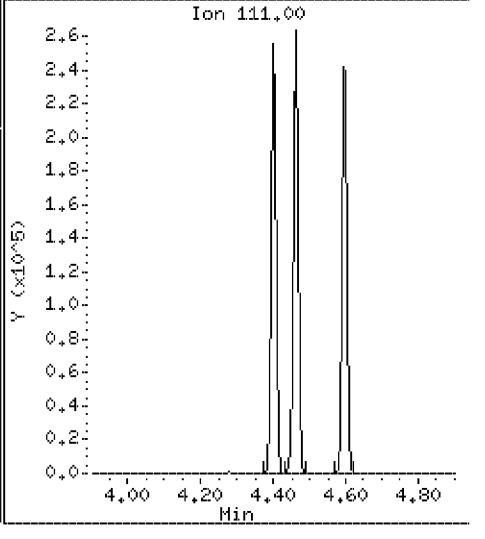


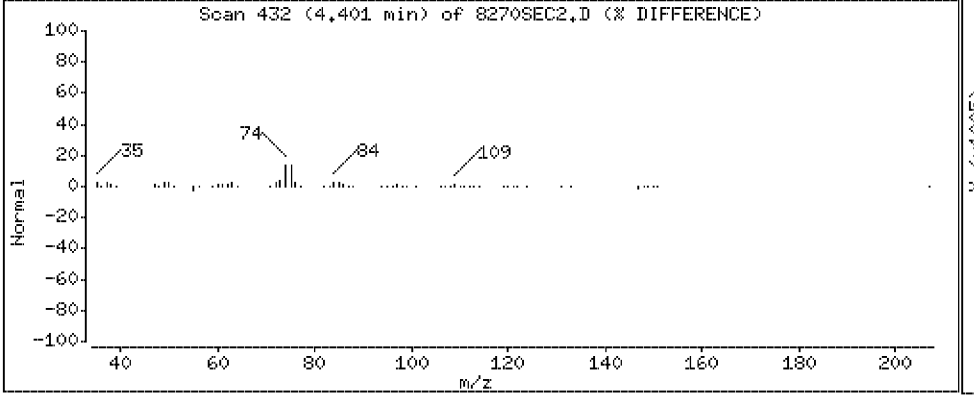












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

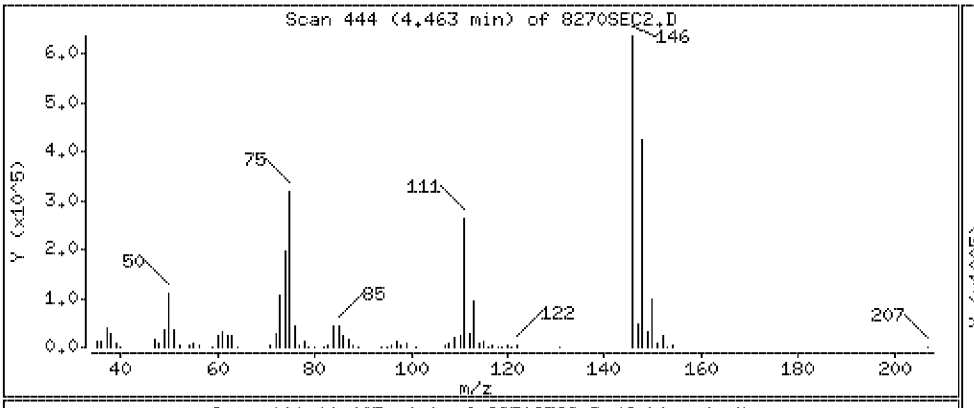
Operator: PEL

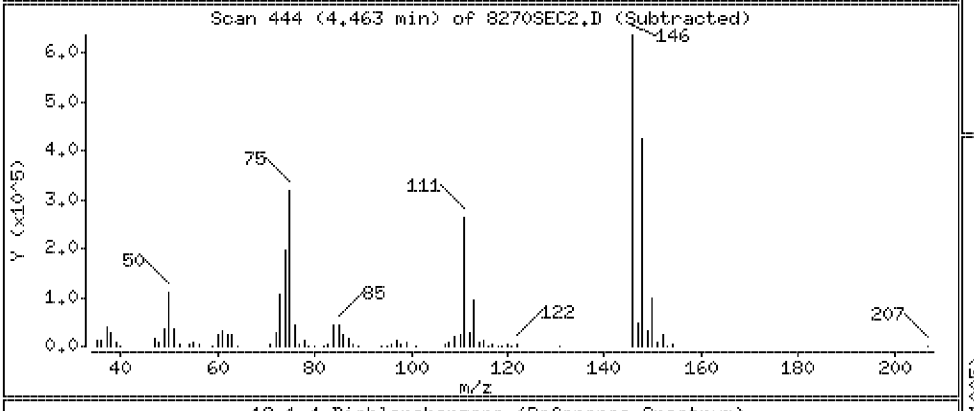
Column phase: HPMS-5

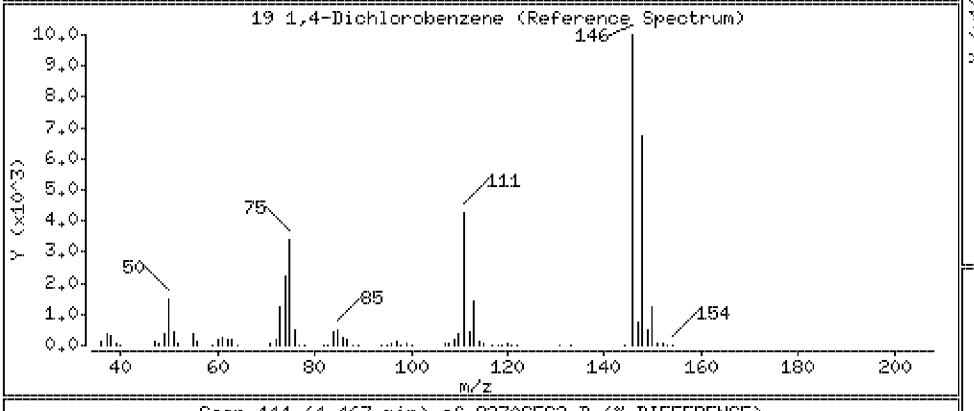
Column diameter: 0.25

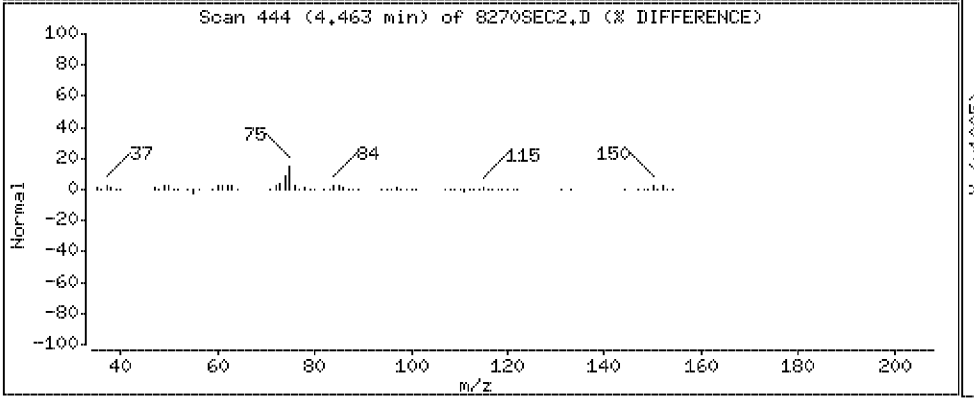
19 1,4-Dichlorobenzene

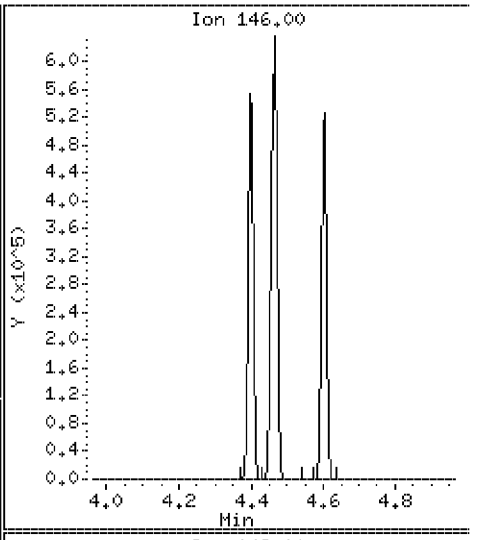
Concentration: 45.4 ug/l

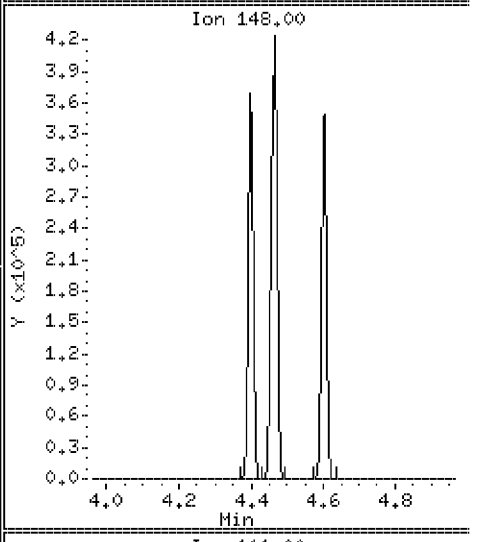


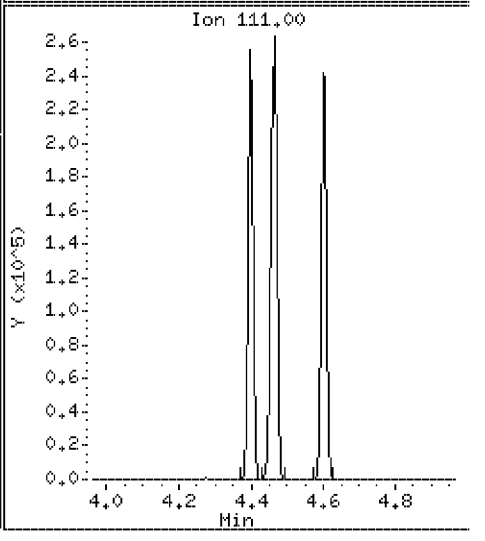












Date : 23-APR-2012 13:33

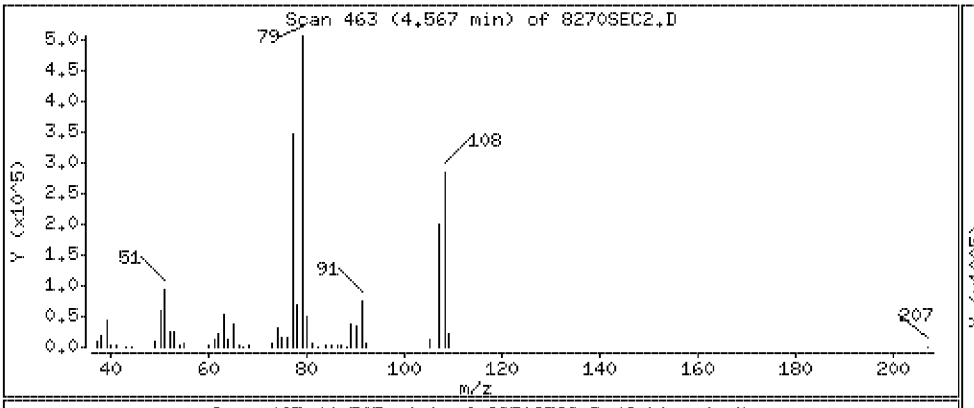
Client ID: 8270SEC Instrument: smsd03.i

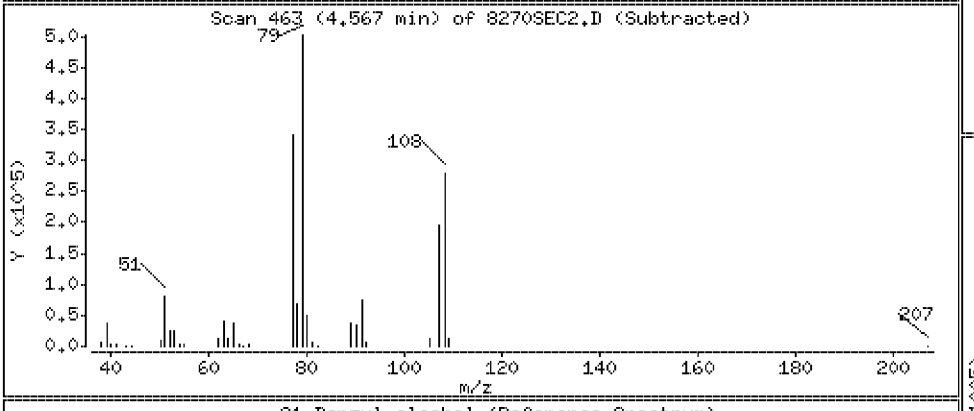
Sample Info: 45872

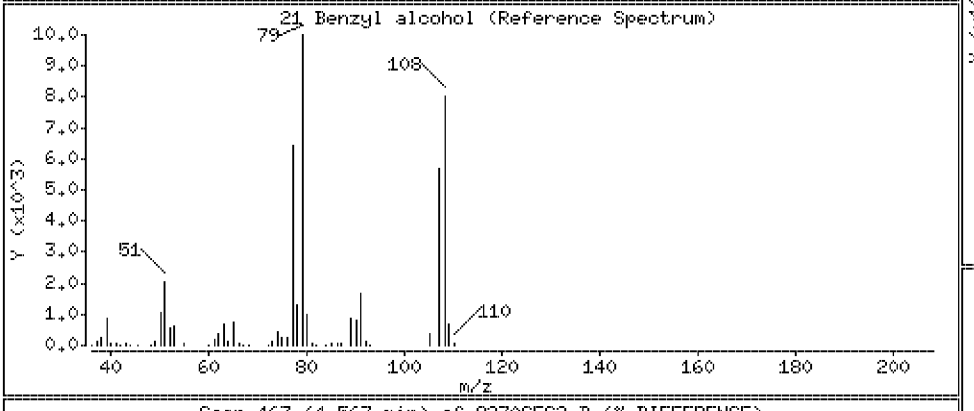
Purge Volume: 1000.0 Operator: PEL

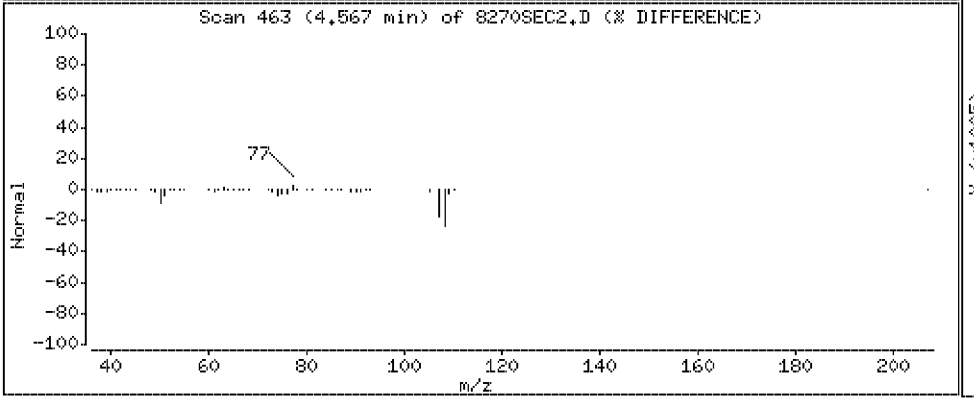
Column phase: HPMS-5 Column diameter: 0.25

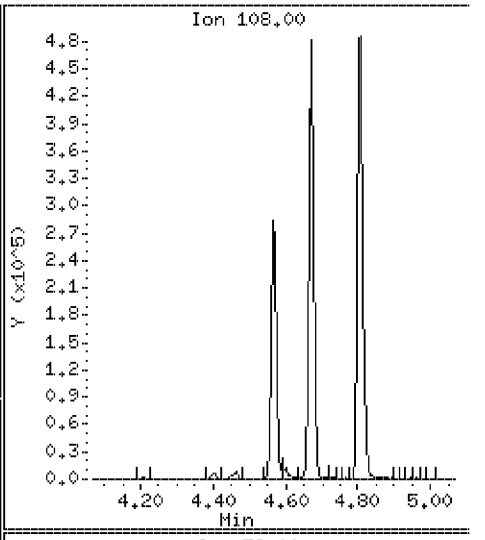
21 Benzyl alcohol Concentration: 41.9 ug/l

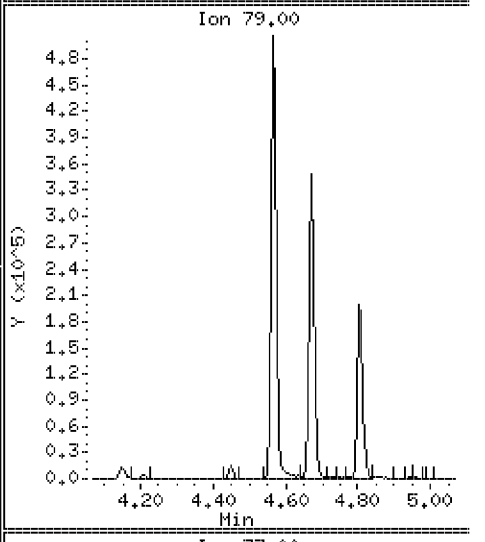


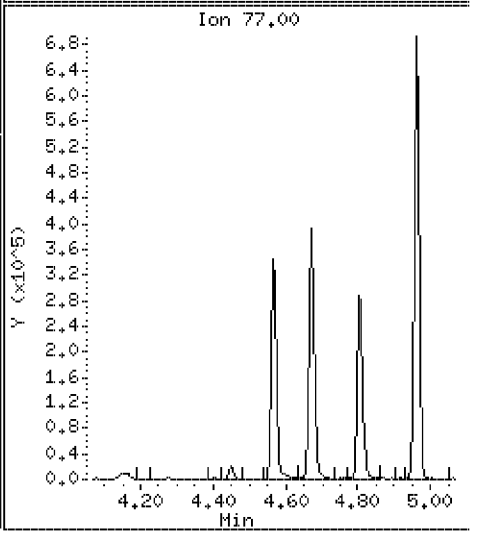












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

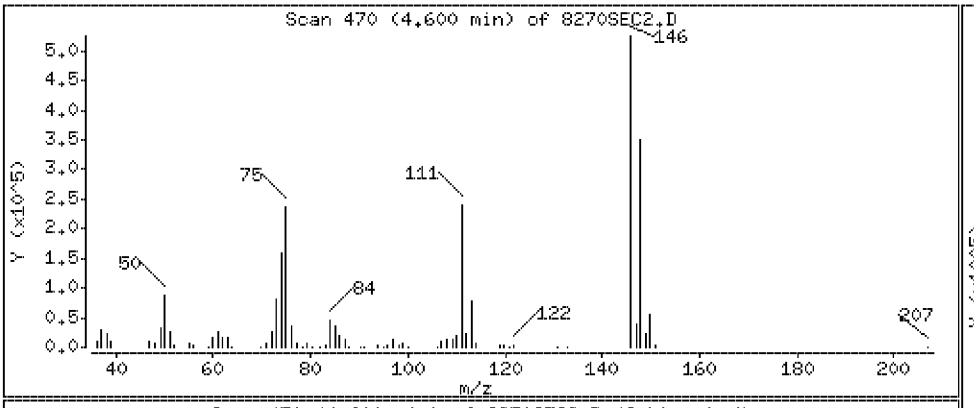
Operator: PEL

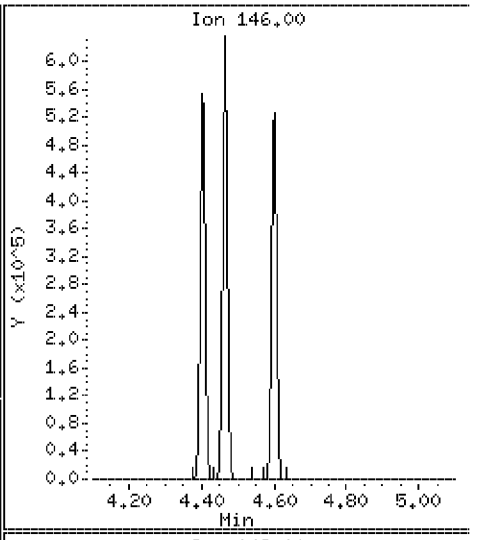
Column phase: HPMS-5

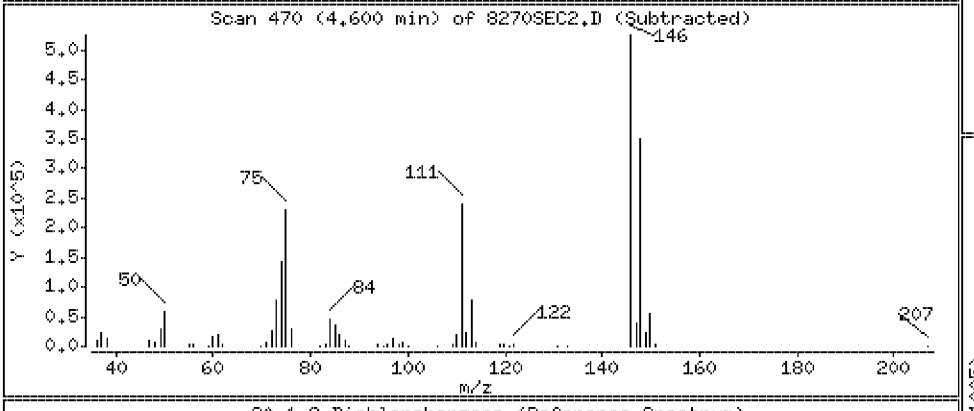
Column diameter: 0.25

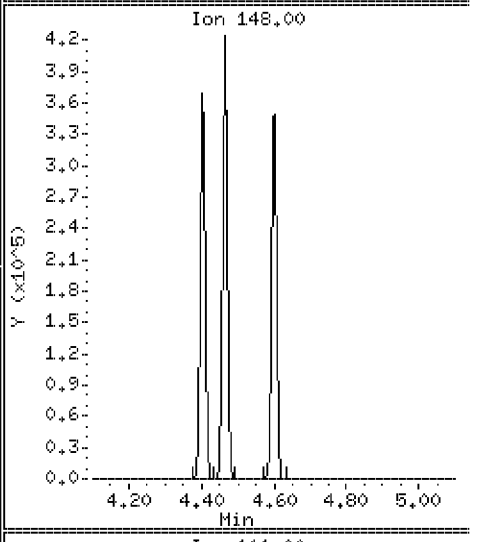
20 1,2-Dichlorobenzene

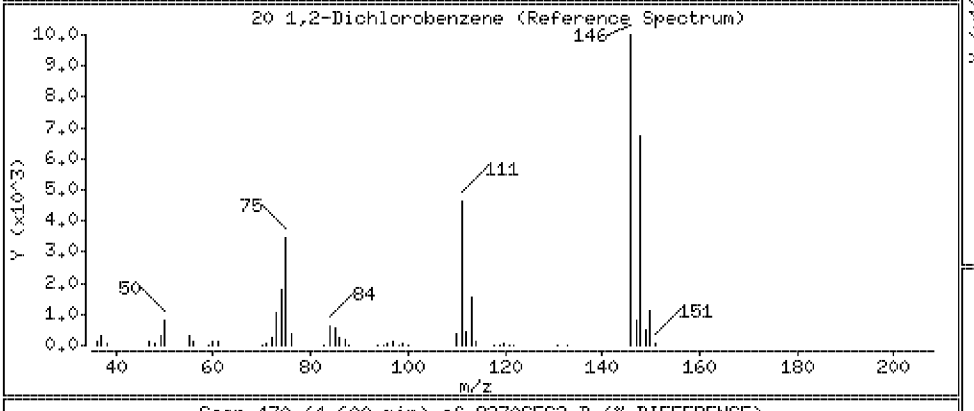
Concentration: 45.0 ug/l

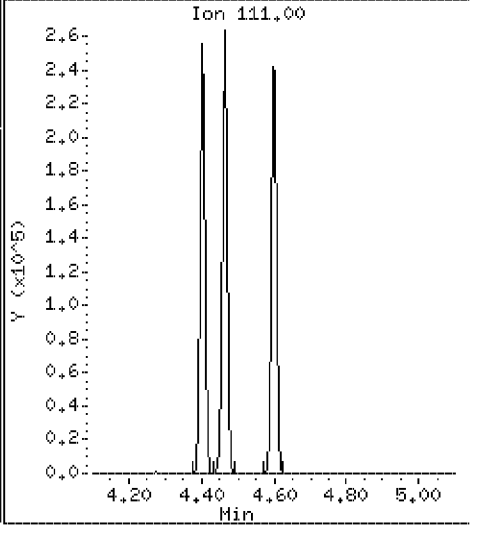


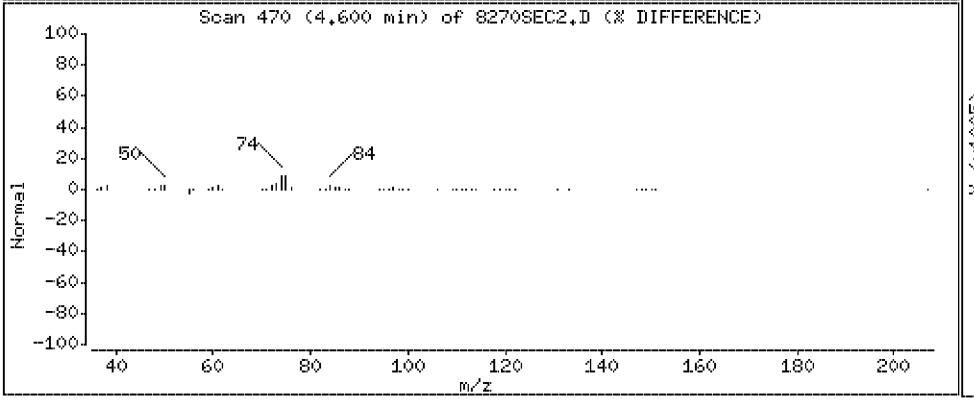












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

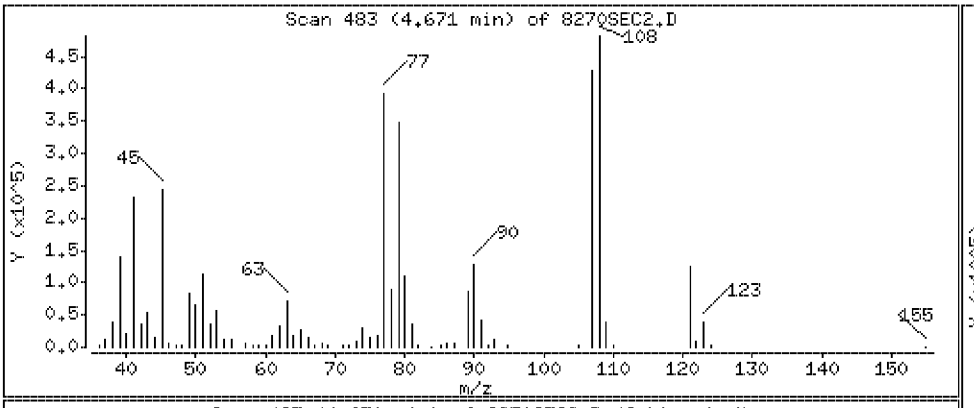
Operator: PEL

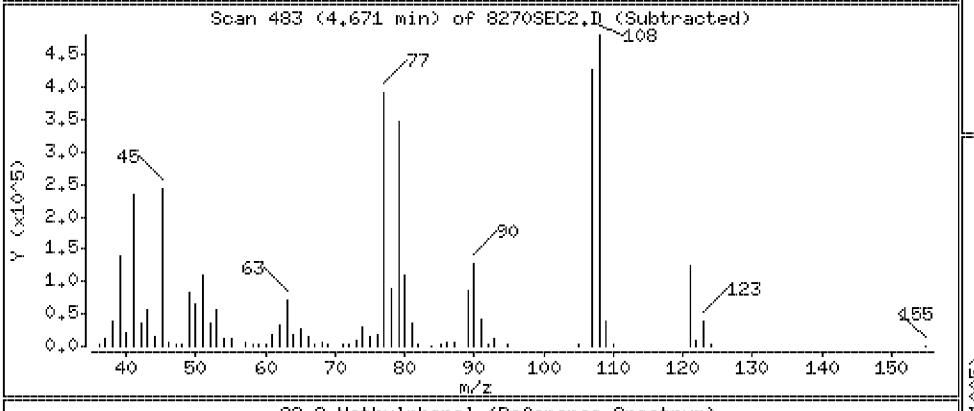
Column phase: HPMS-5

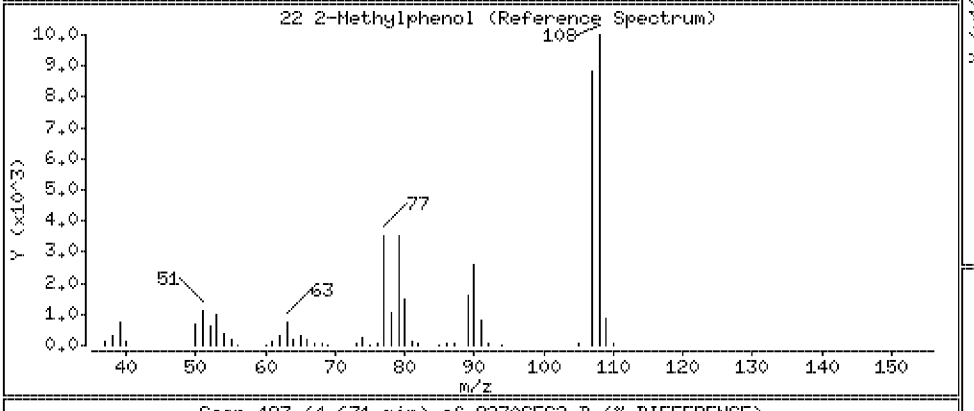
Column diameter: 0.25

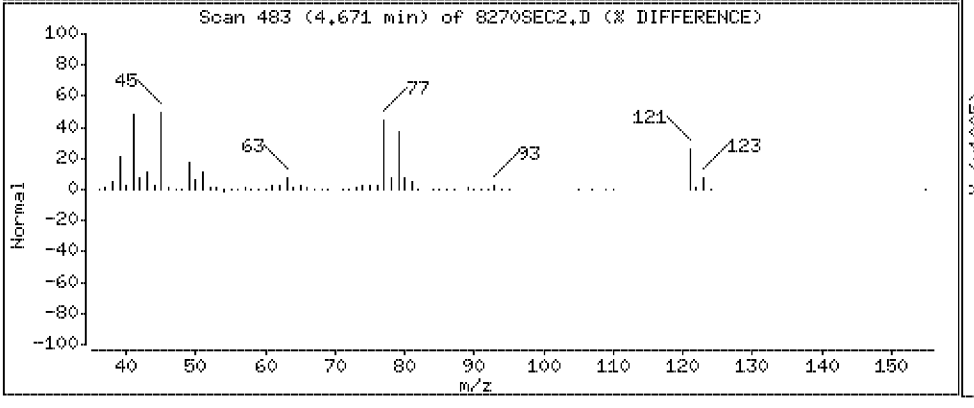
22 2-Methylphenol

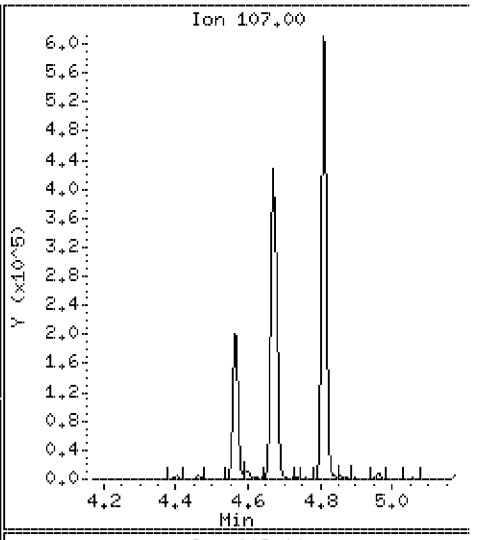
Concentration: 45.0 ug/l

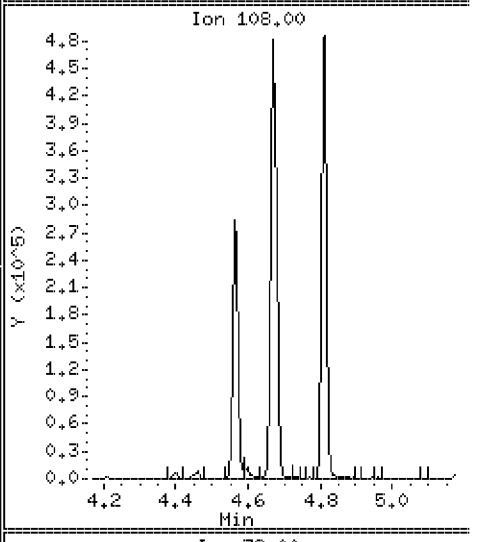


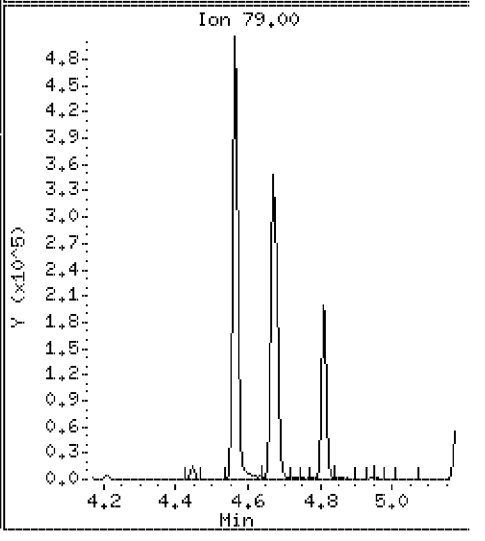












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

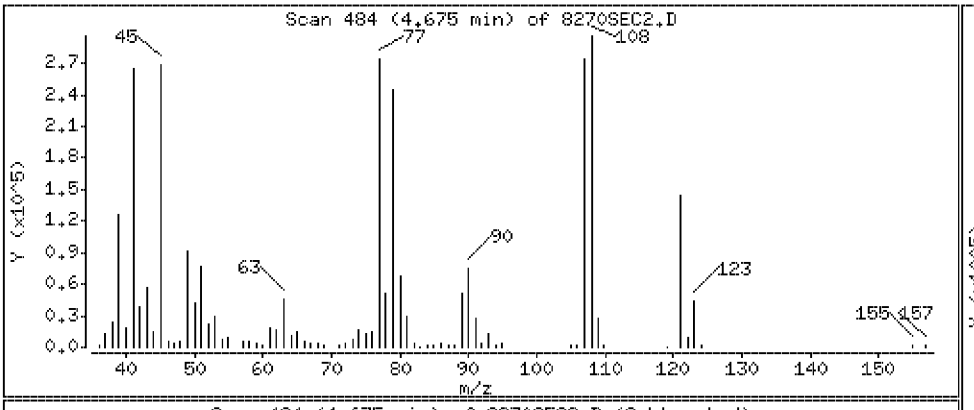
Operator: PEL

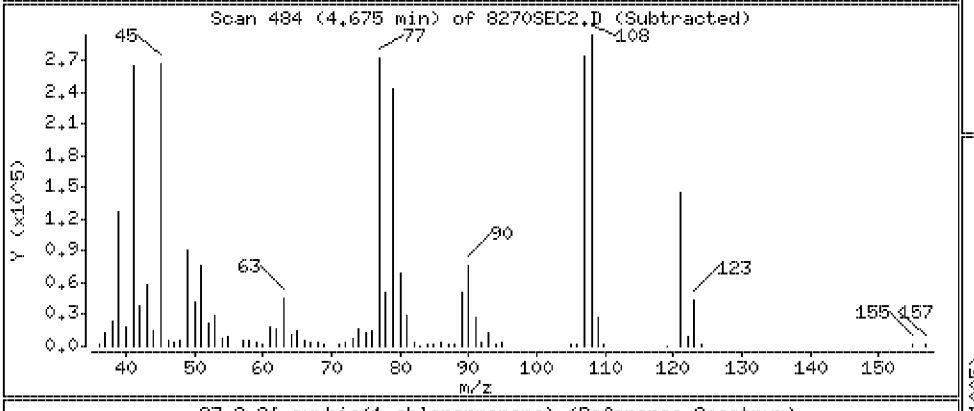
Column phase: HPMS-5

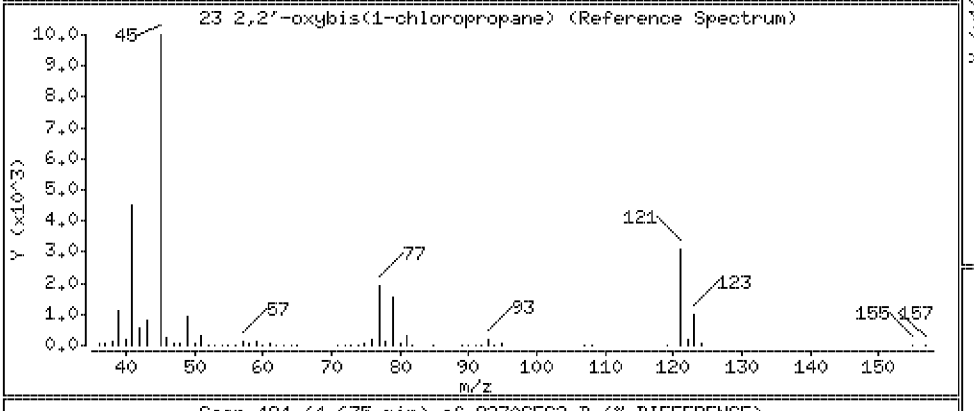
Column diameter: 0.25

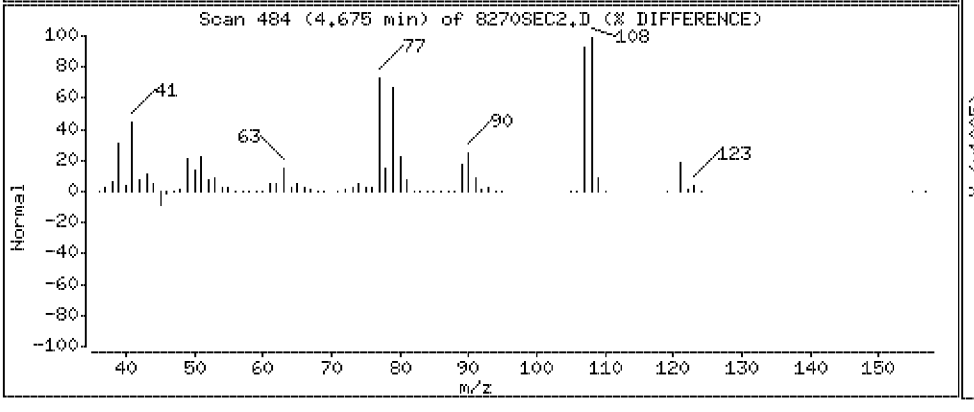
23 2,2'-oxybis(1-chloropropane)

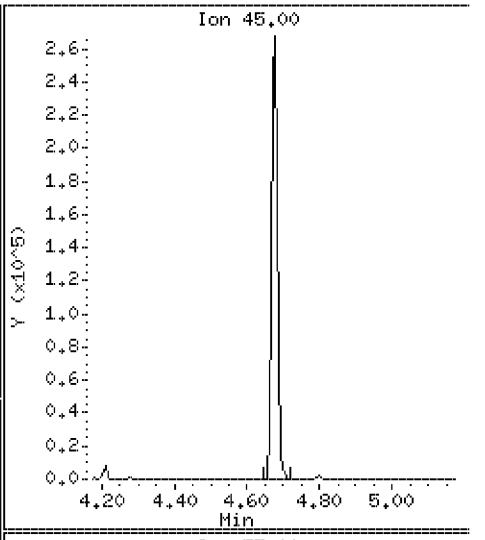
Concentration: 46.6 ug/l

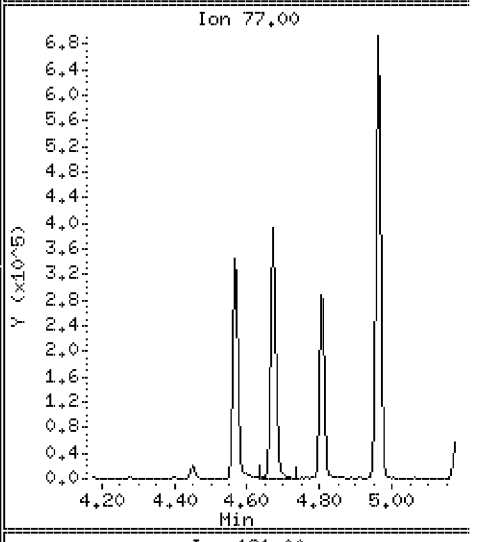


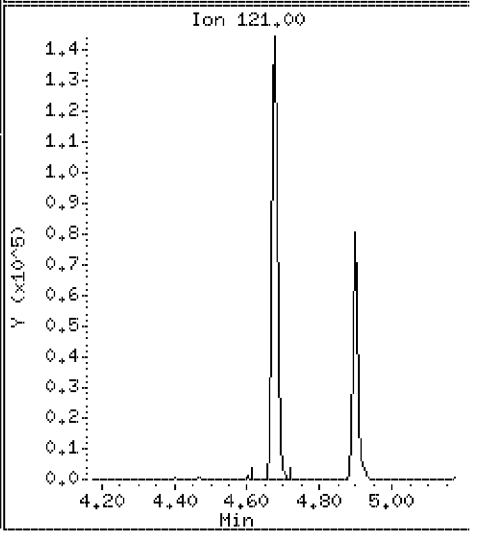












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

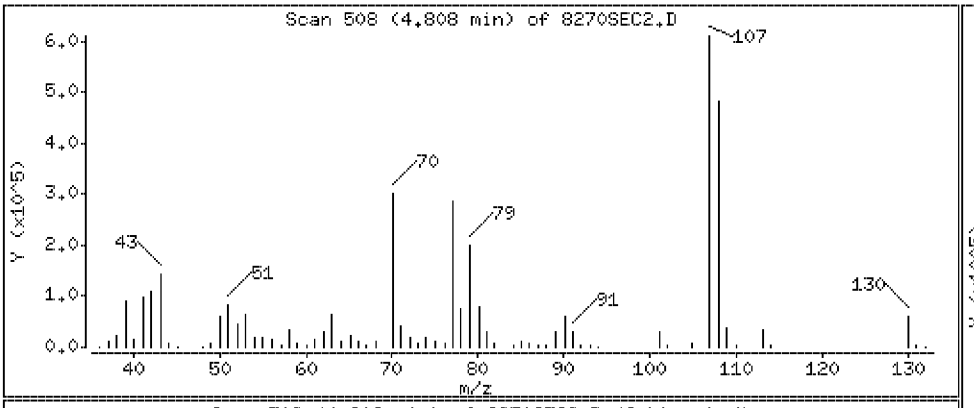
Operator: PEL

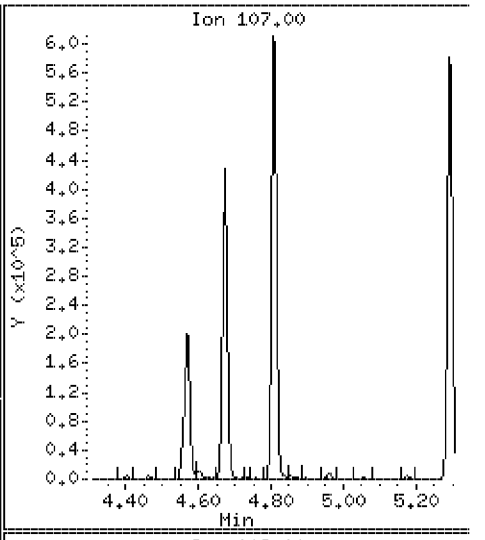
Column phase: HPMS-5

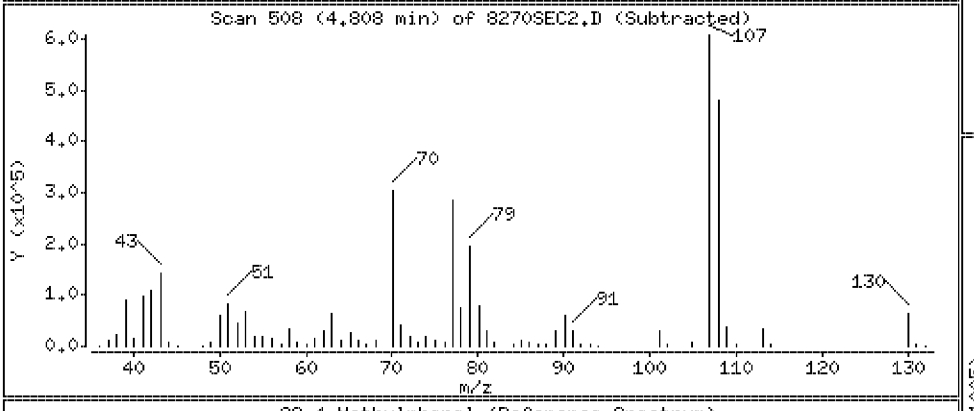
Column diameter: 0.25

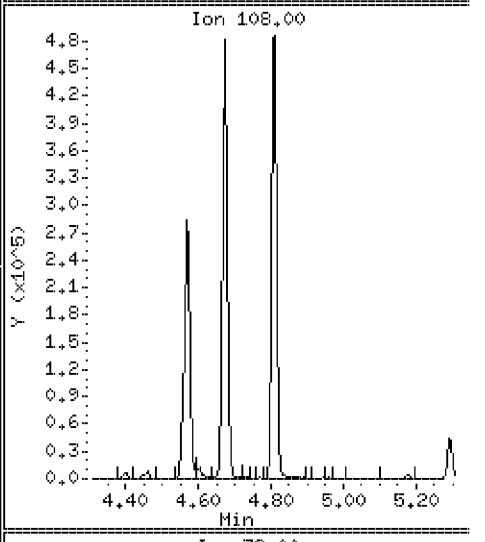
28 4-Methylphenol

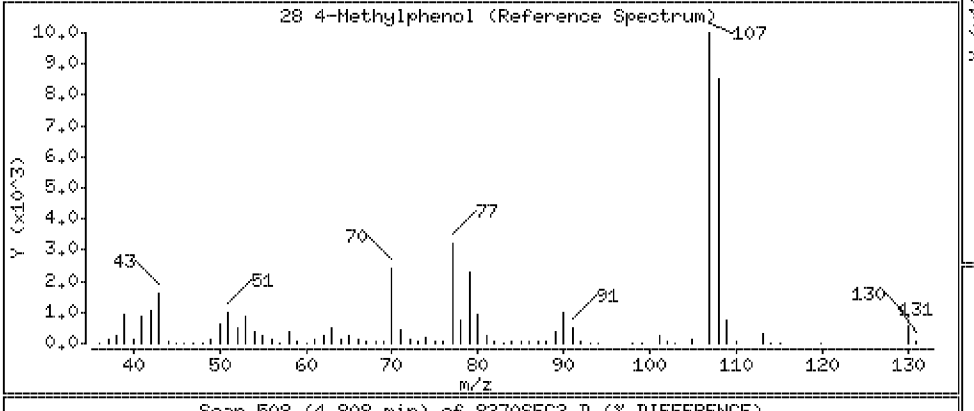
Concentration: 45.8 ug/l

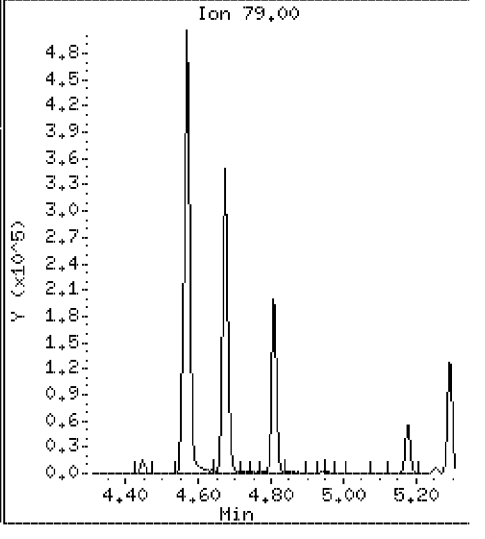


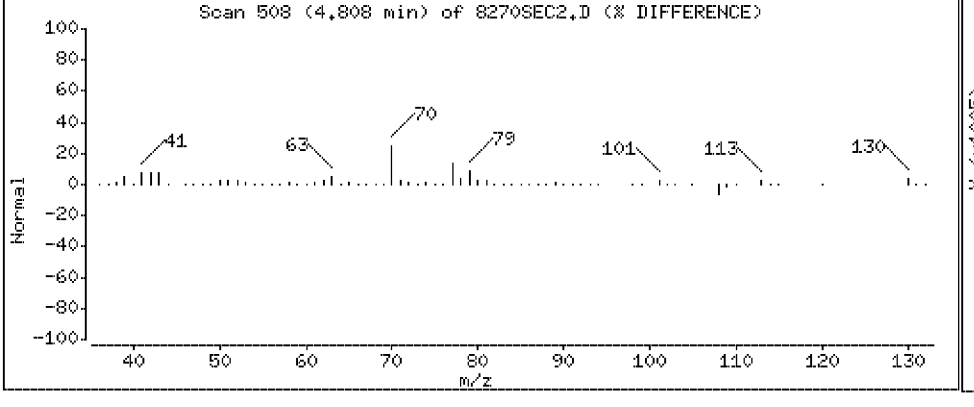












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

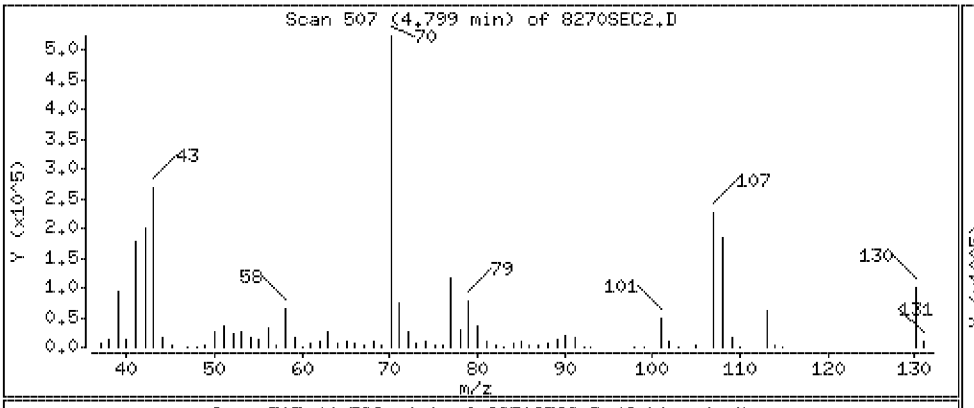
Operator: PEL

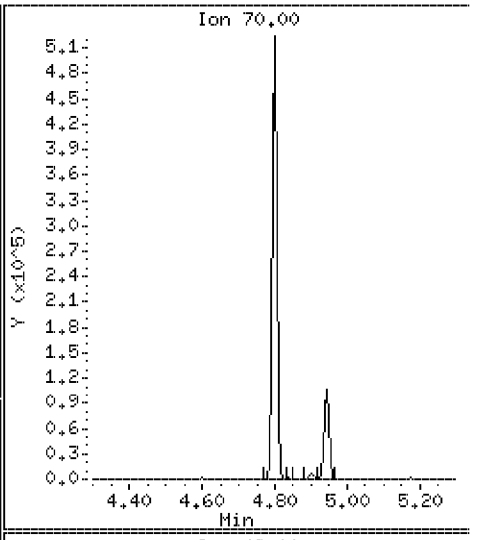
Column phase: HPMS-5

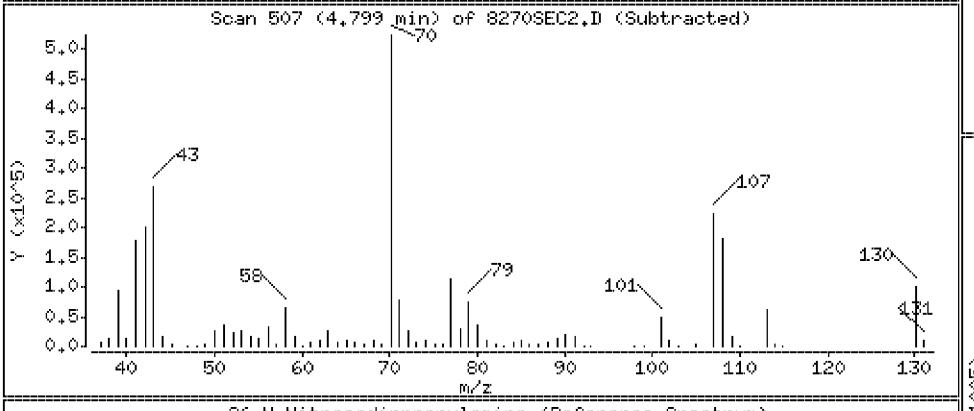
Column diameter: 0.25

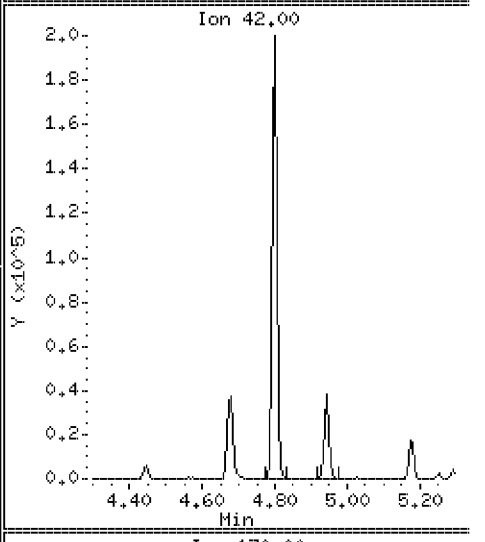
26 N-Nitrosodinpropylamine

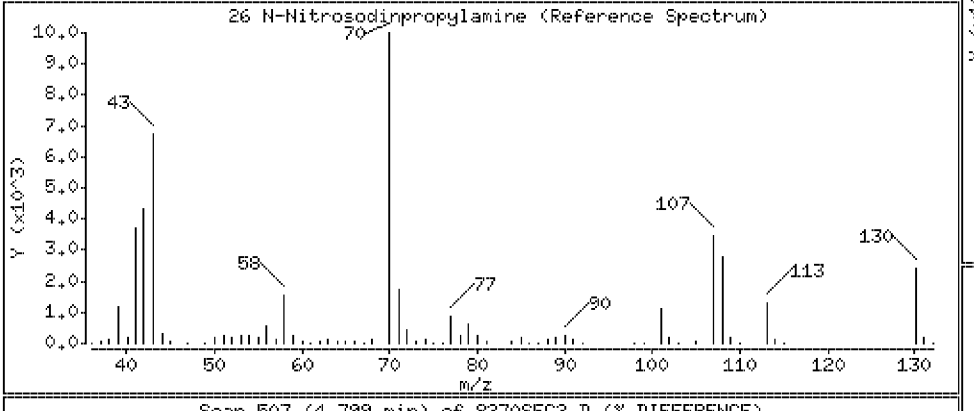
Concentration: 47.5 ug/l

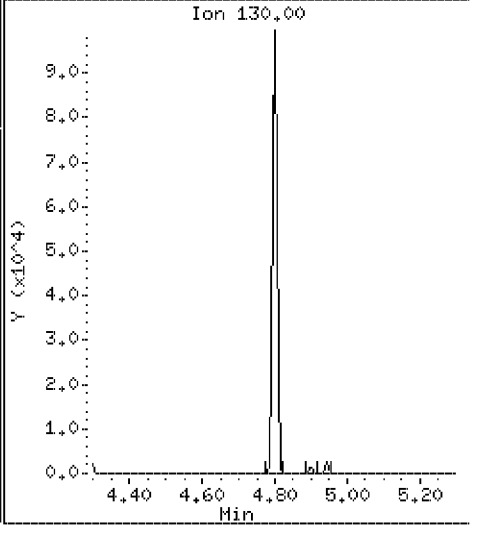


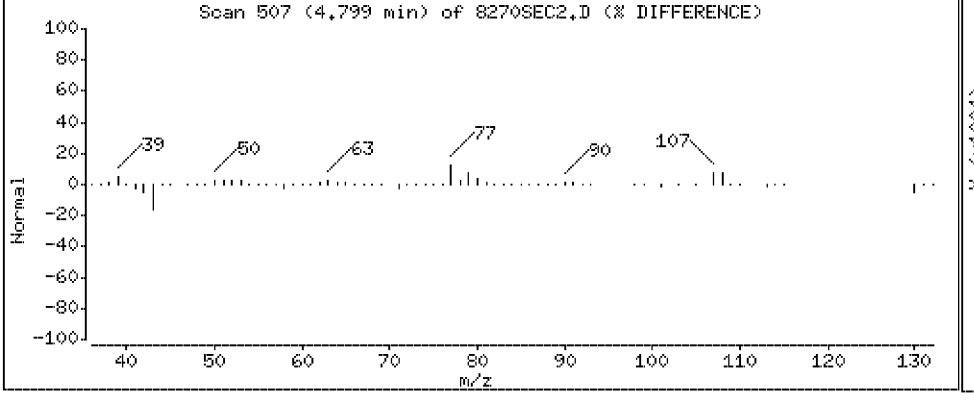












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

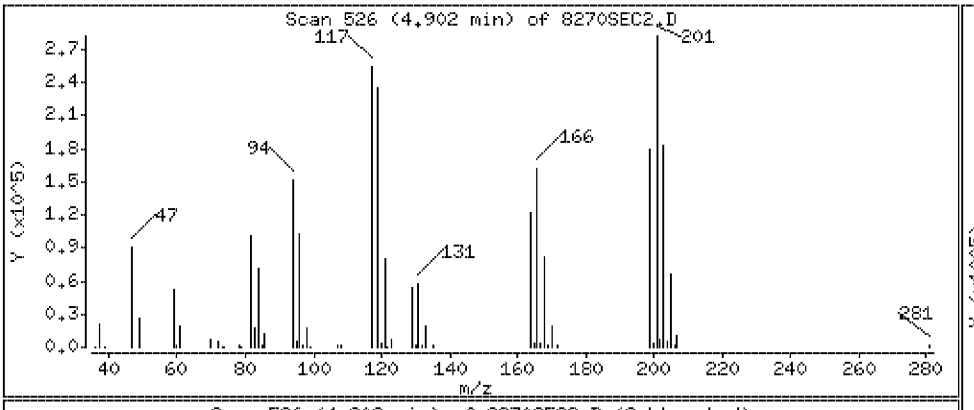
Operator: PEL

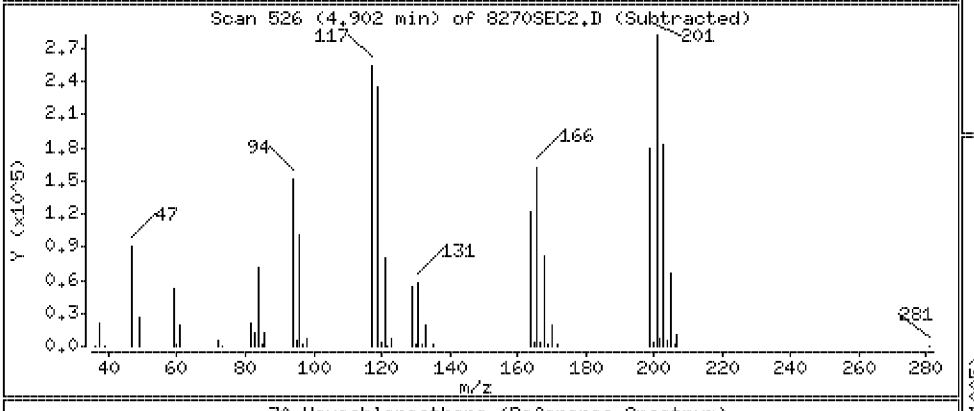
Column phase: HPMS-5

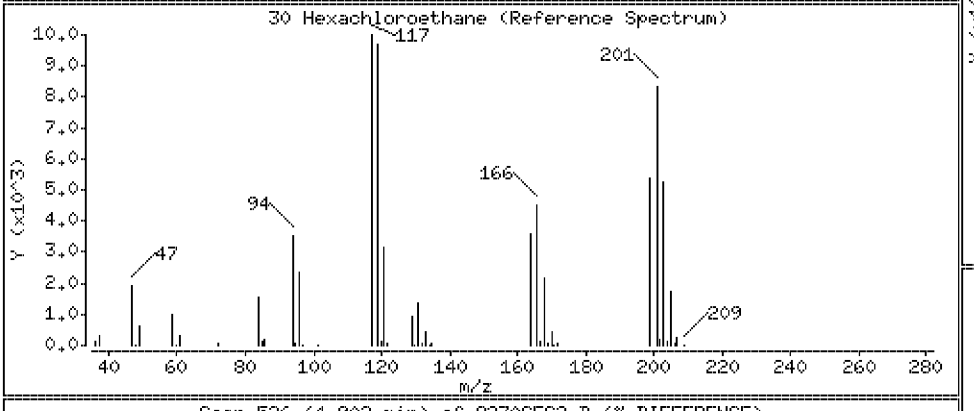
Column diameter: 0.25

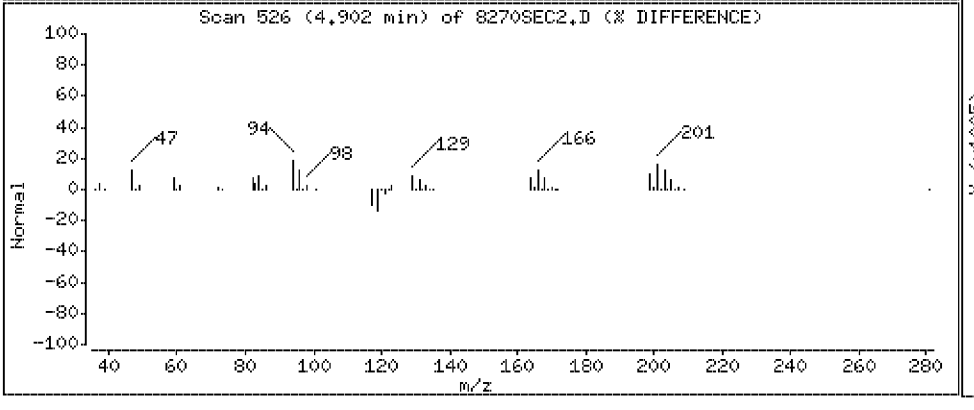
30 Hexachloroethane

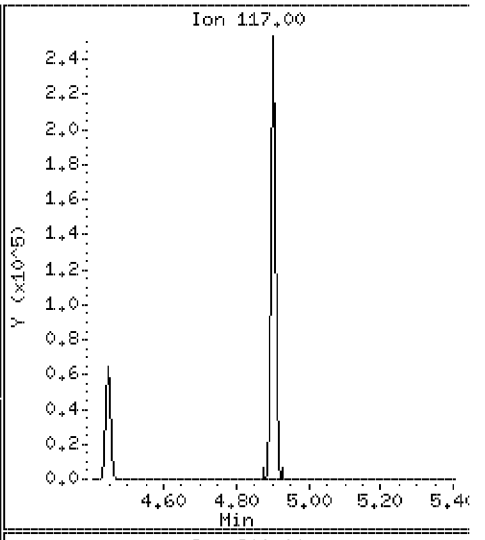
Concentration: 44.9 ug/l

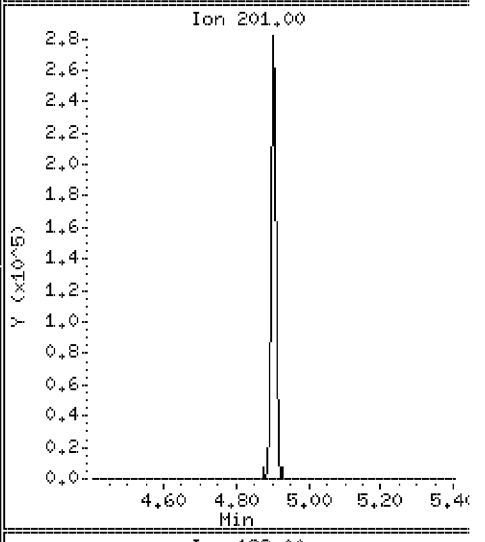


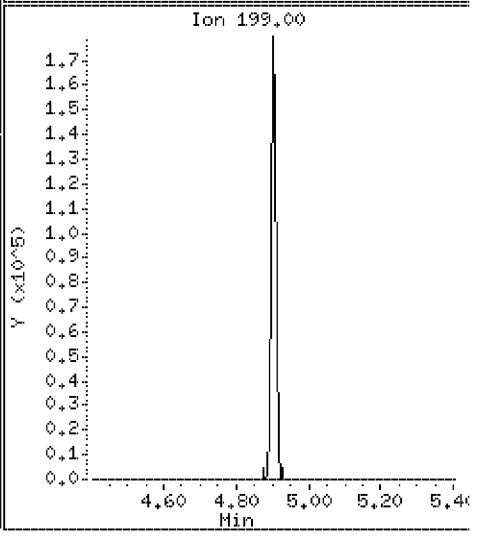












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

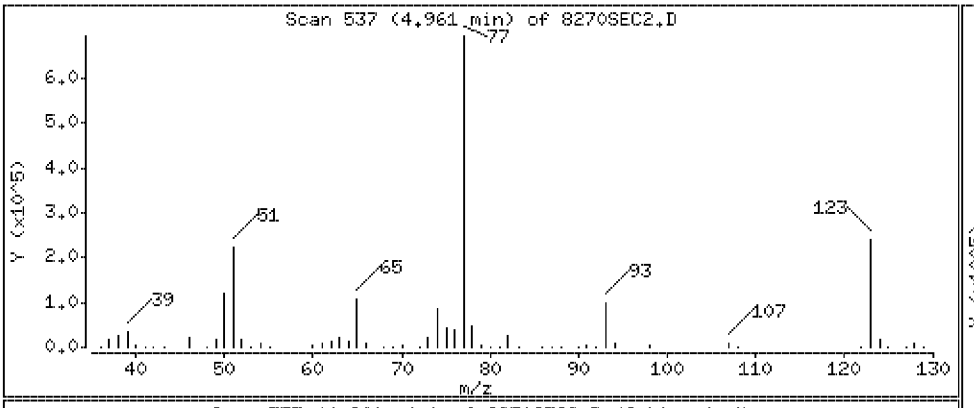
Operator: PEL

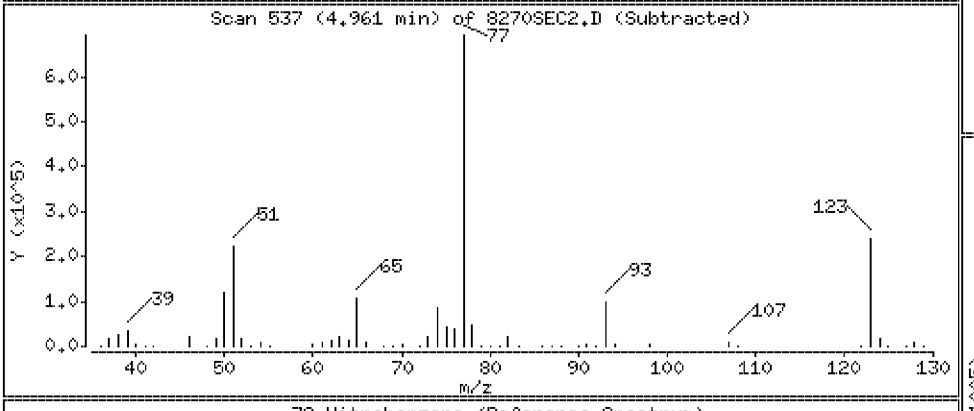
Column phase: HPMS-5

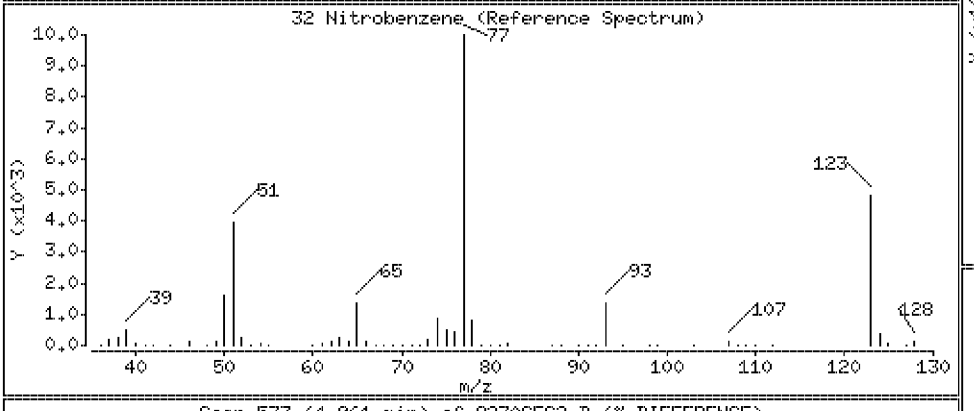
Column diameter: 0.25

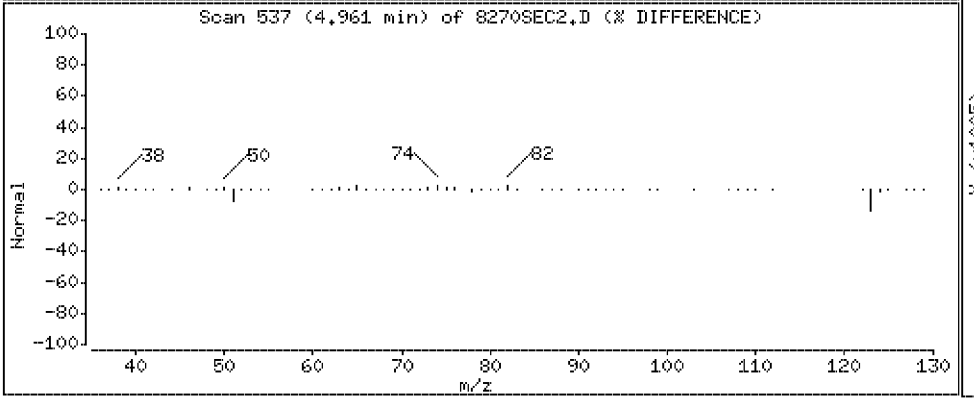
32 Nitrobenzene

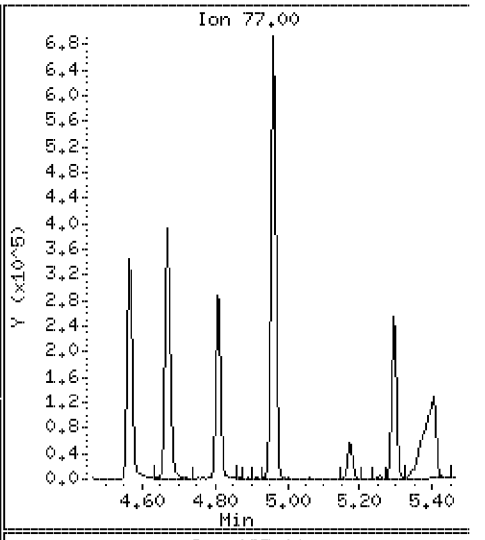
Concentration: 44.6 ug/l

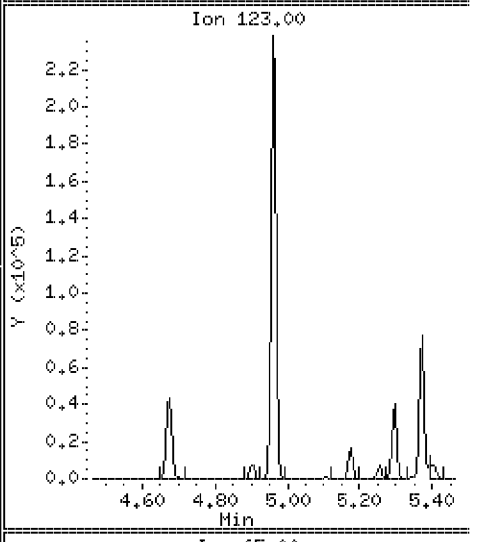


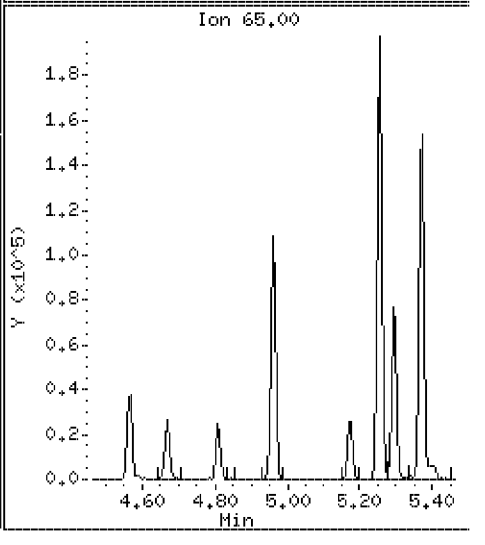












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

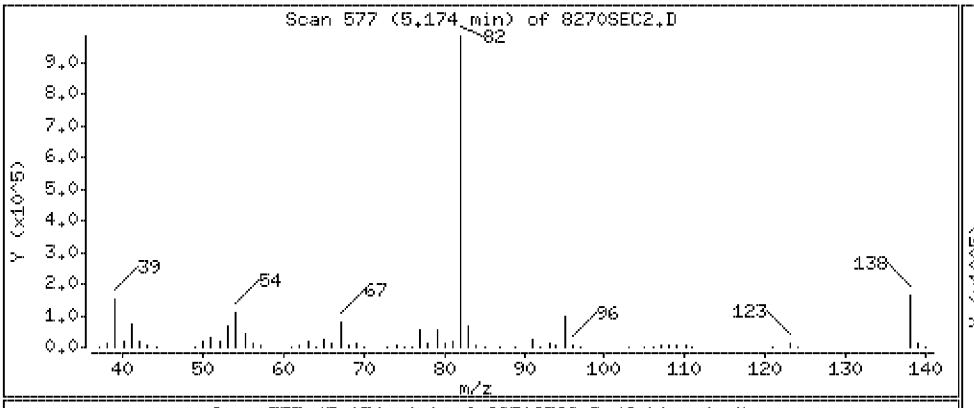
Operator: PEL

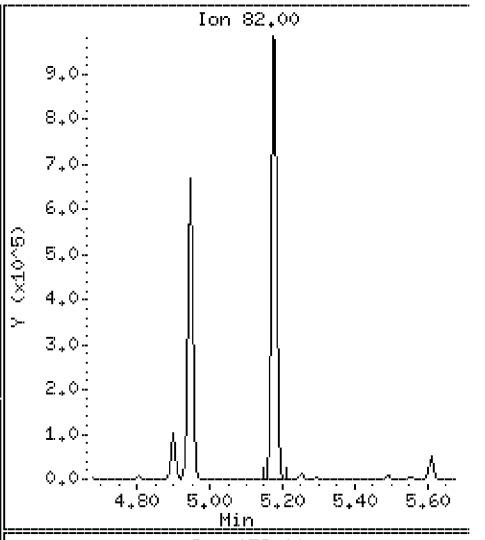
Column phase: HPMS-5

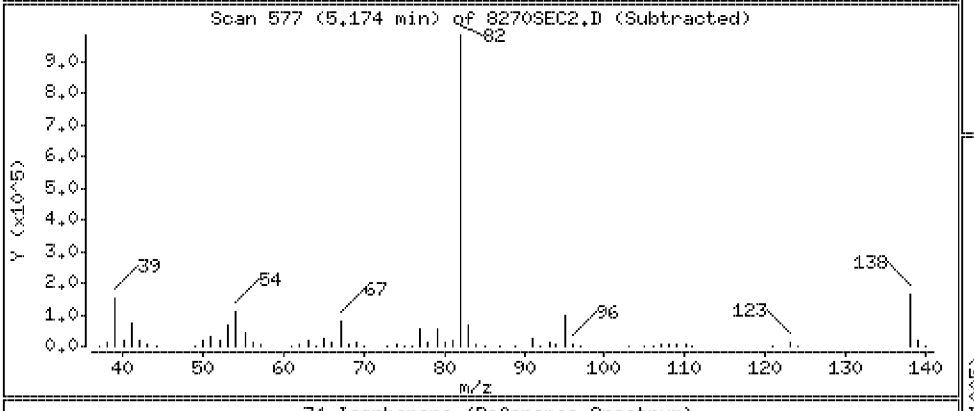
Column diameter: 0.25

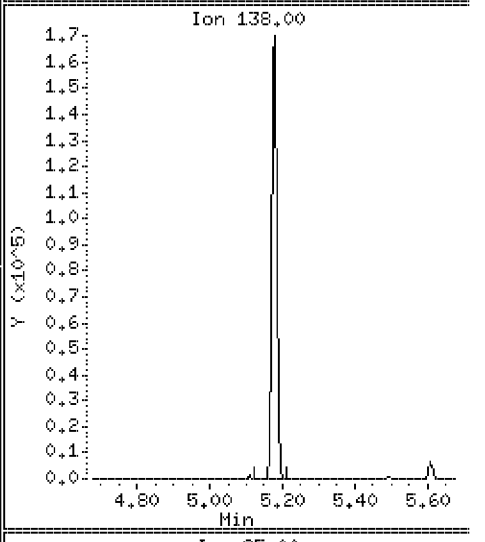
34 Isophorone

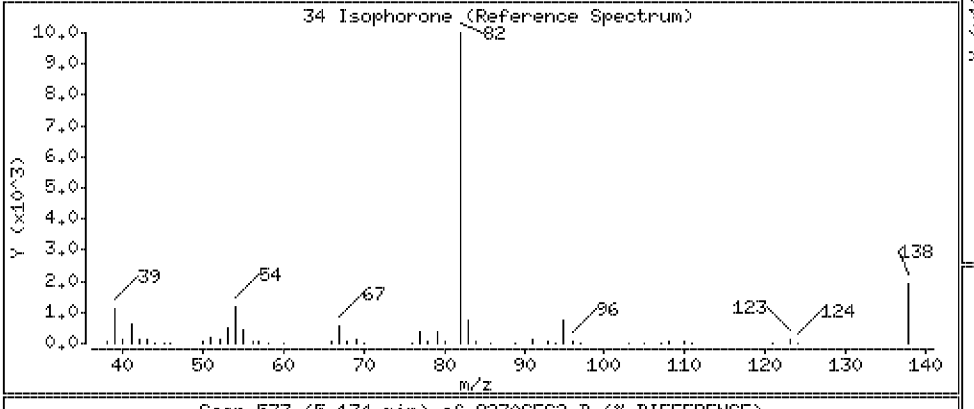
Concentration: 56.2 ug/l

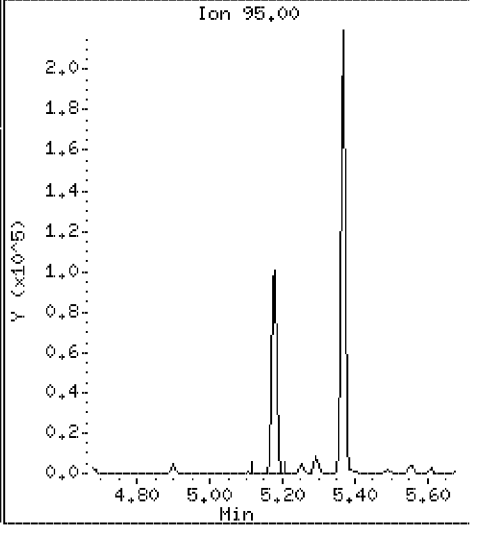


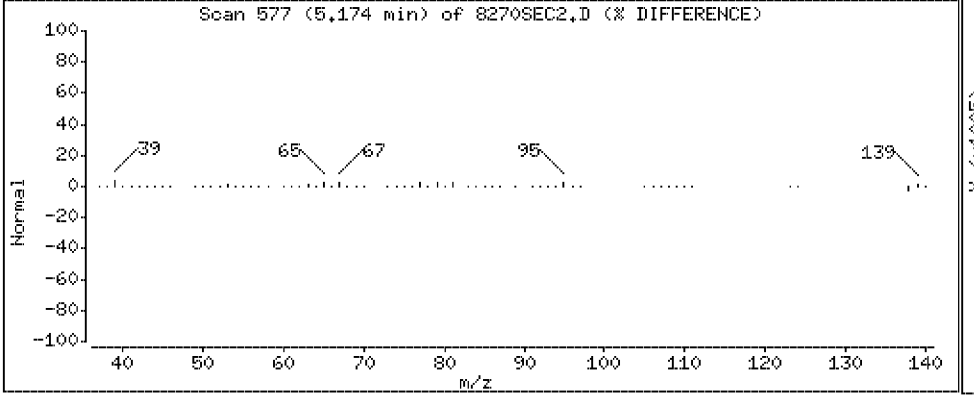












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

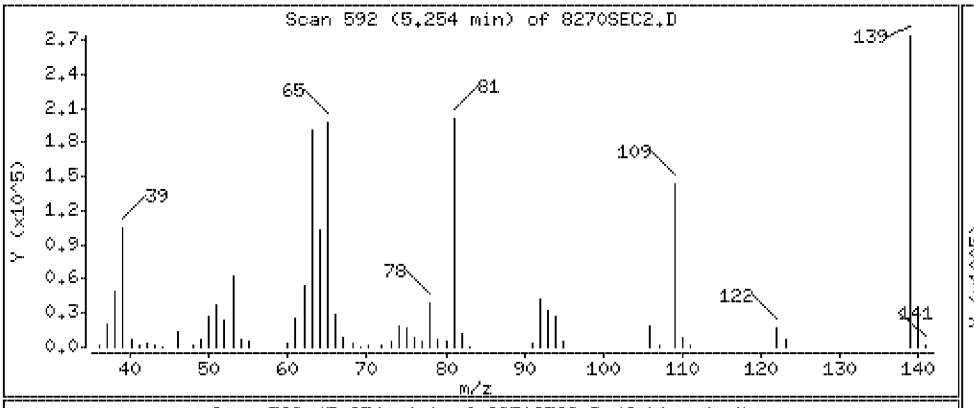
Operator: PEL

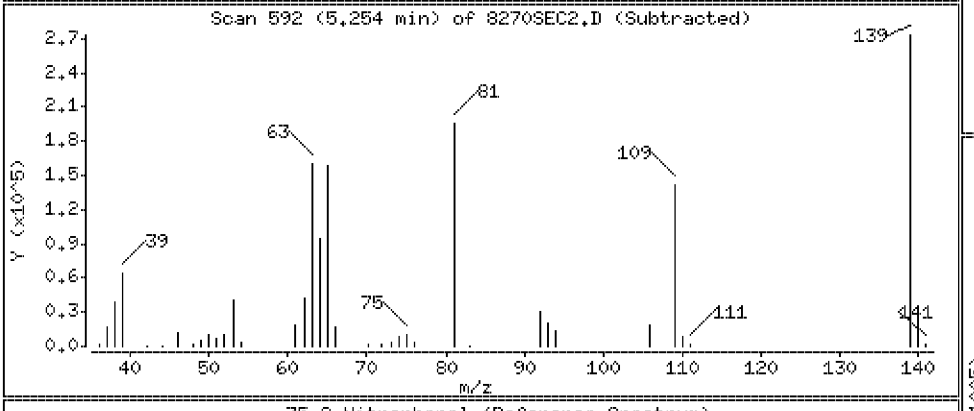
Column phase: HPMS-5

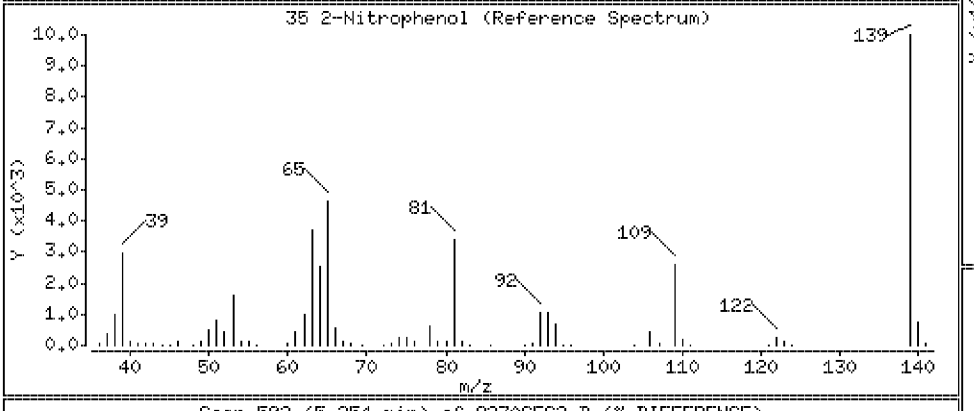
Column diameter: 0.25

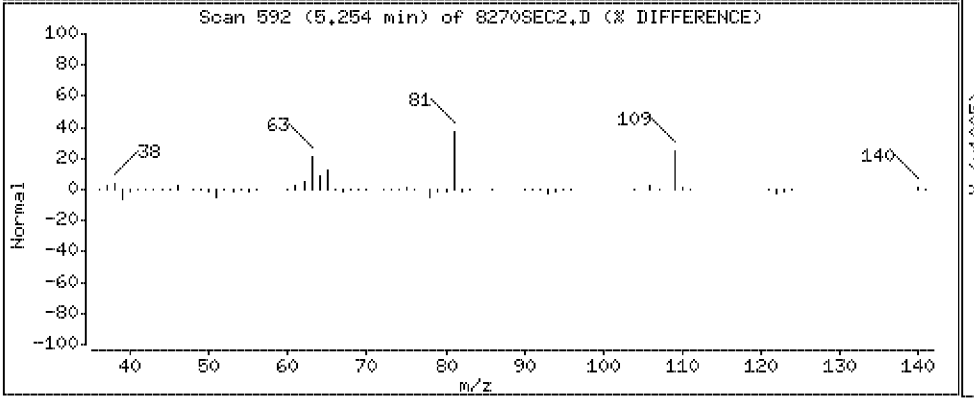
35 2-Nitrophenol

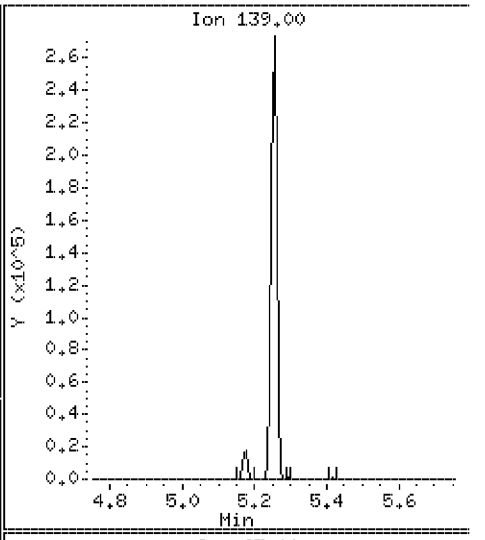
Concentration: 44.8 ug/l

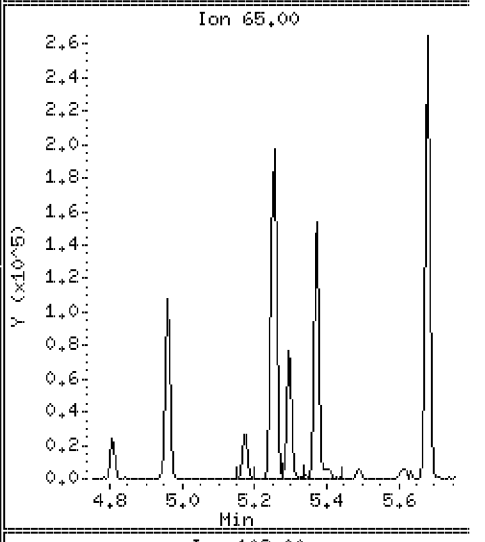


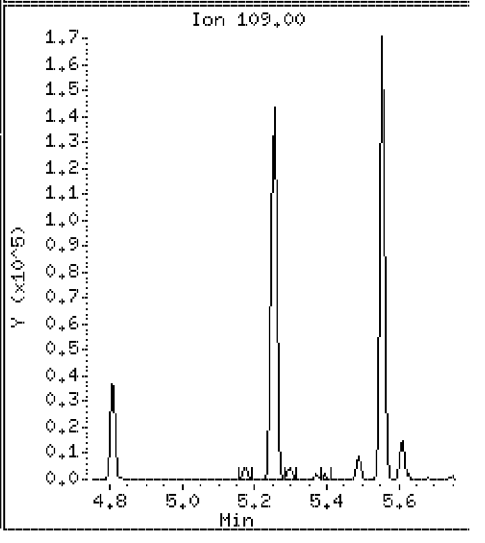












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

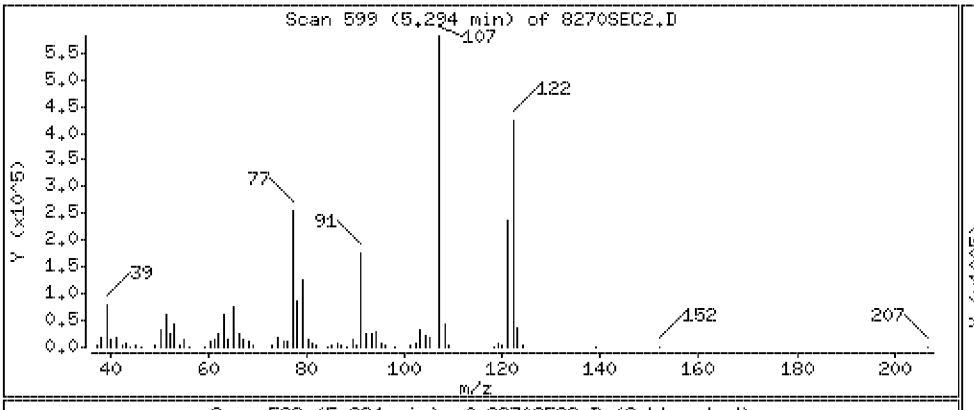
Operator: PEL

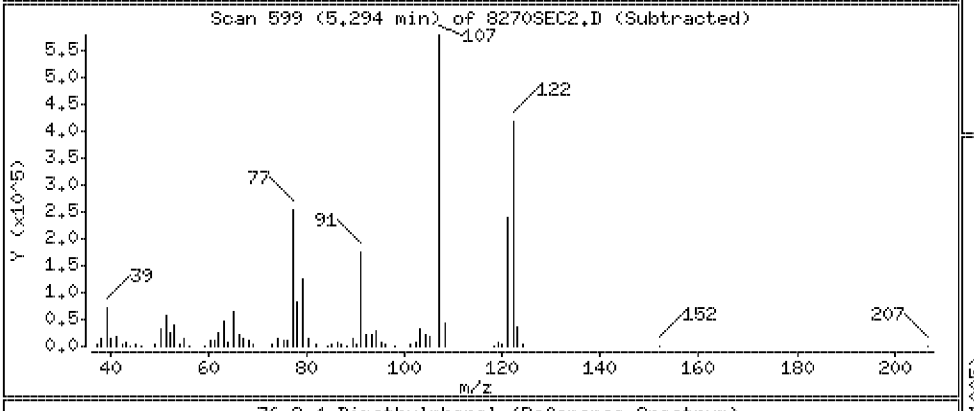
Column phase: HPMS-5

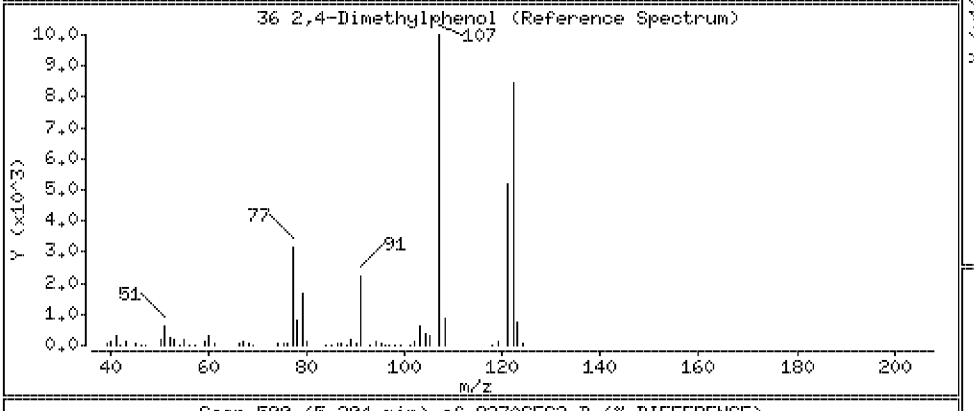
Column diameter: 0.25

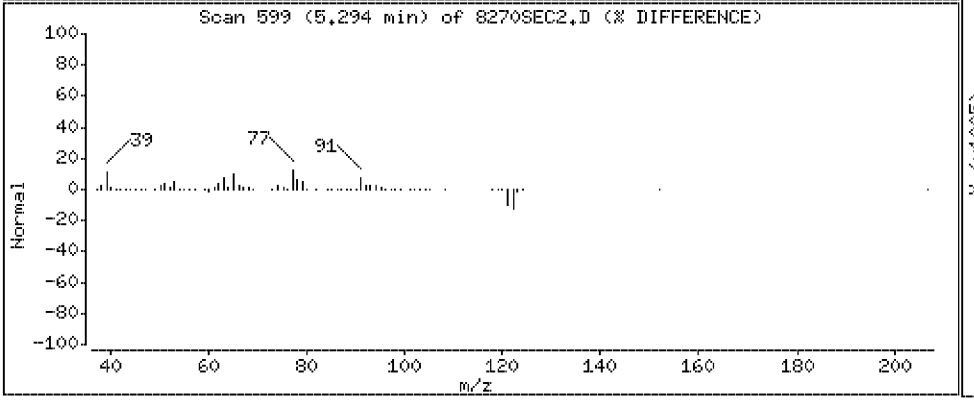
36 2,4-Dimethylphenol

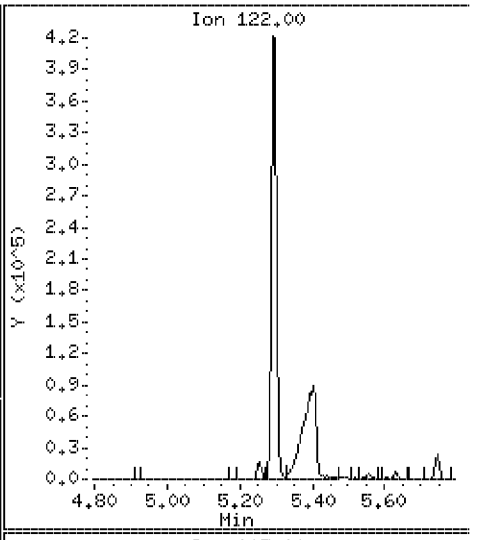
Concentration: 48.5 ug/l

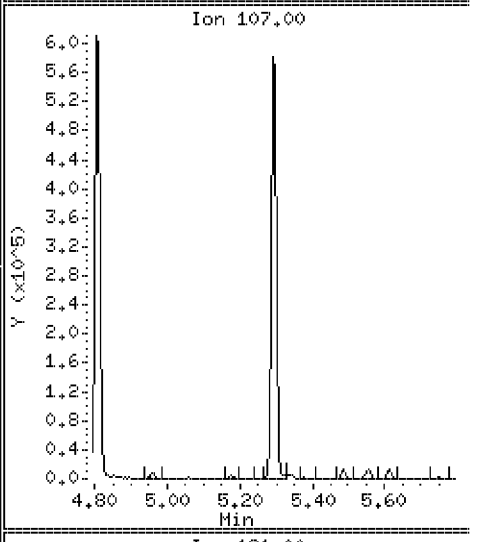


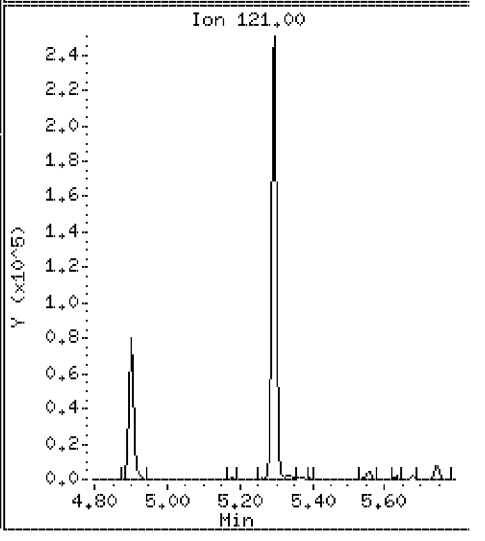












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

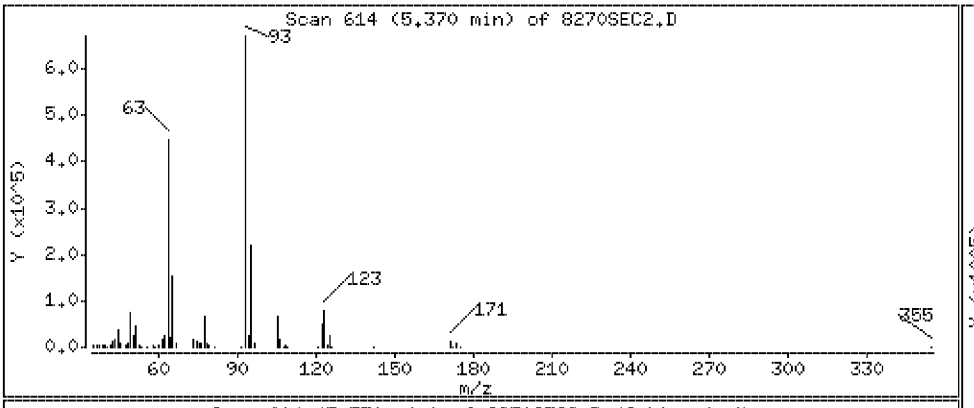
Operator: PEL

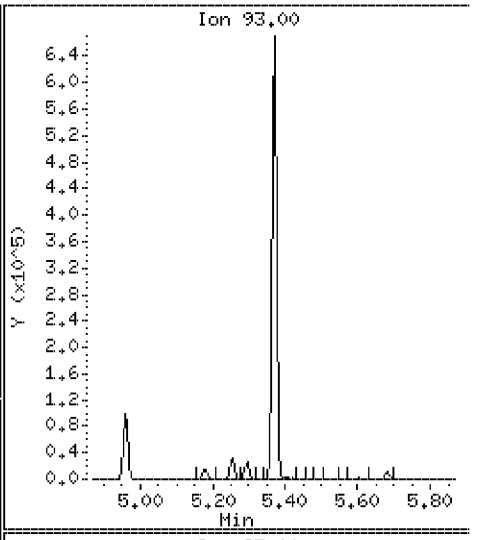
Column phase: HPMS-5

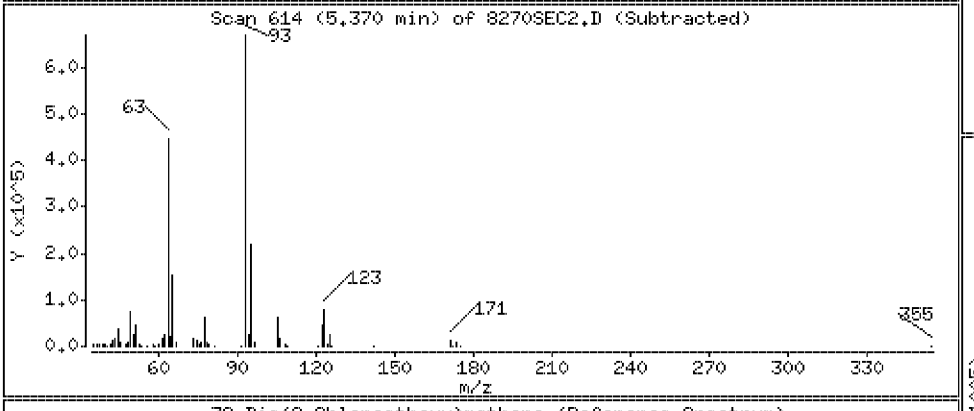
Column diameter: 0.25

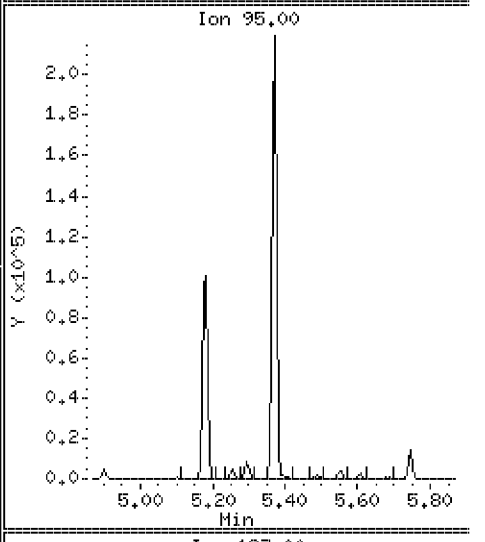
38 Bis(2-Chloroethoxy)methane

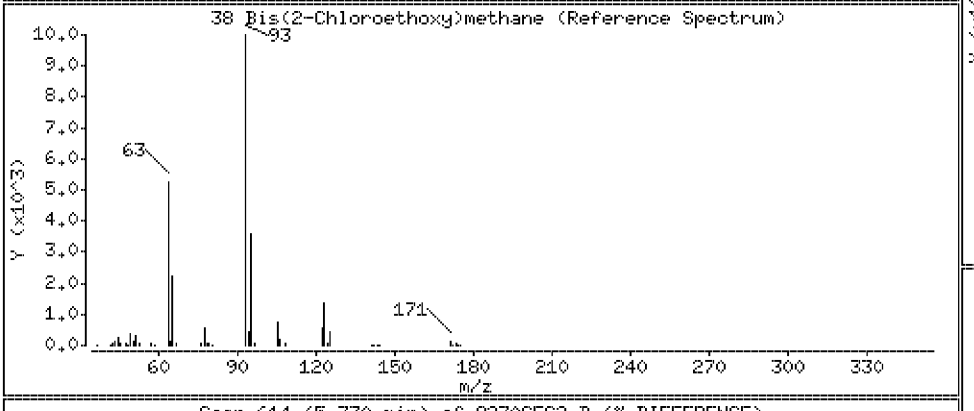
Concentration: 48.0 ug/l

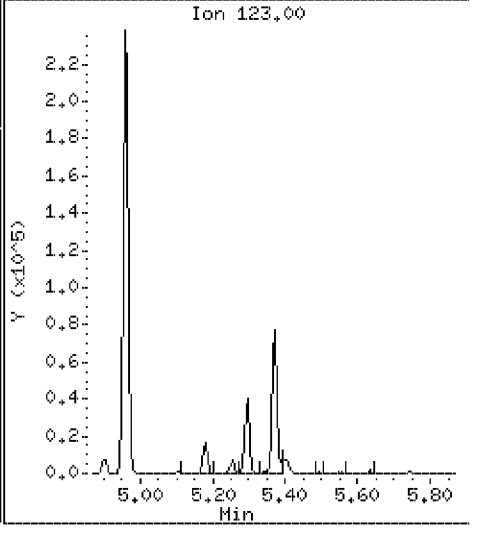


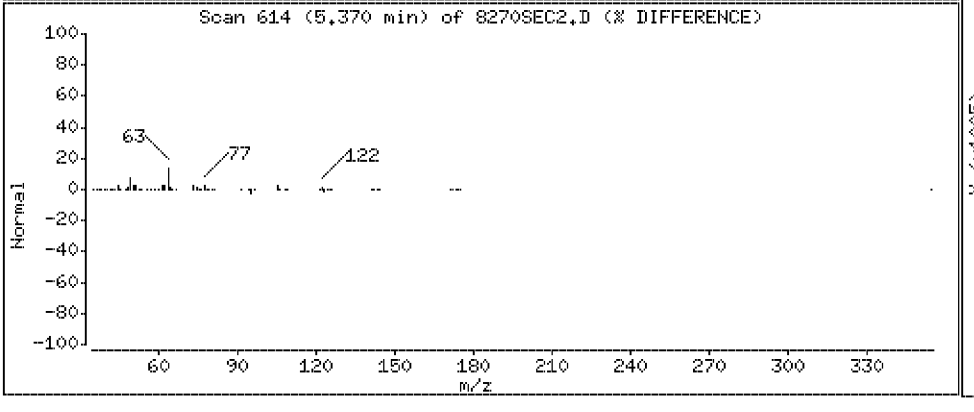












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

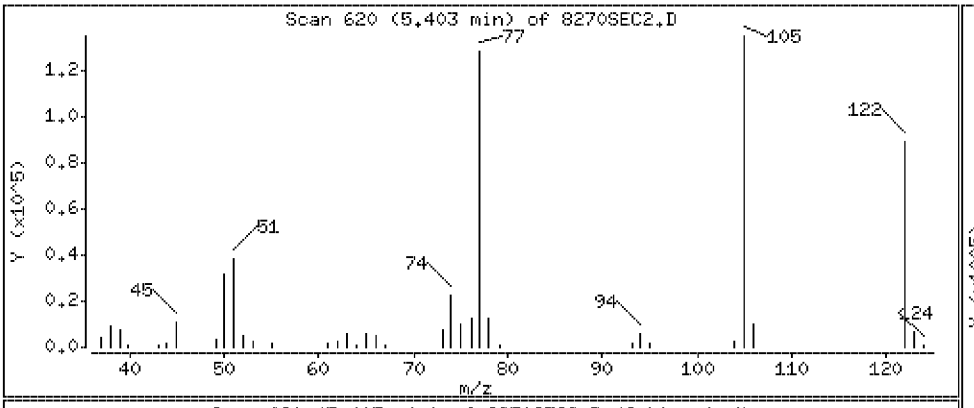
Operator: PEL

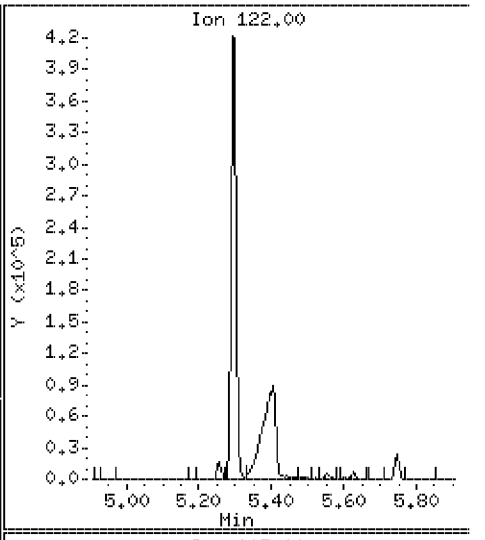
Column phase: HPMS-5

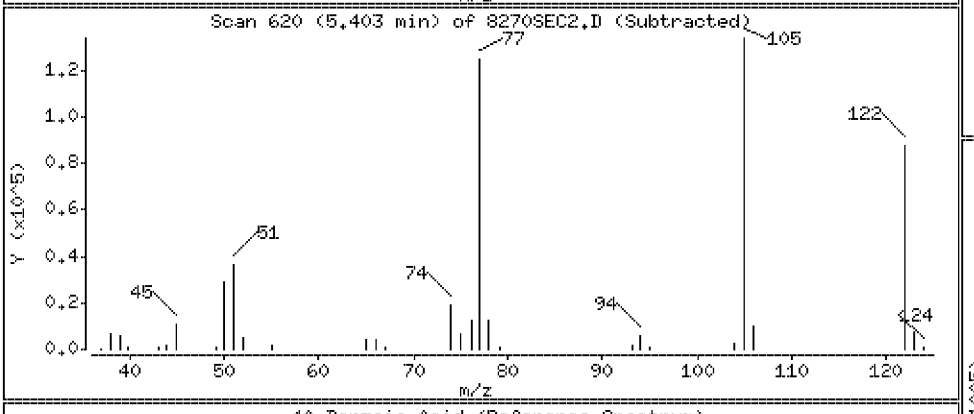
Column diameter: 0.25

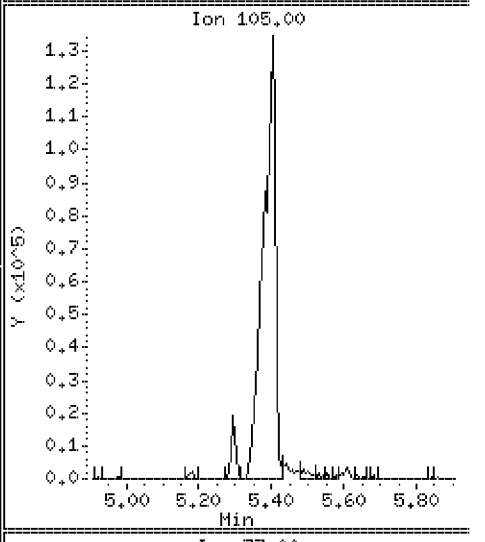
40 Benzoic Acid

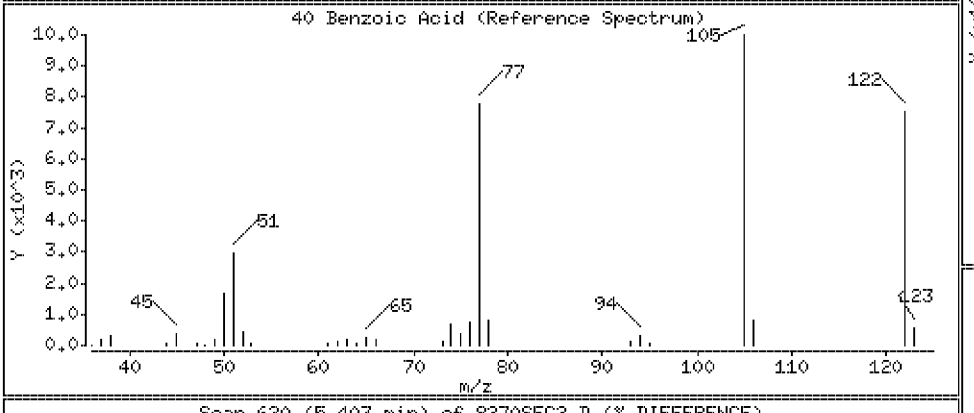
Concentration: 41.8 ug/l

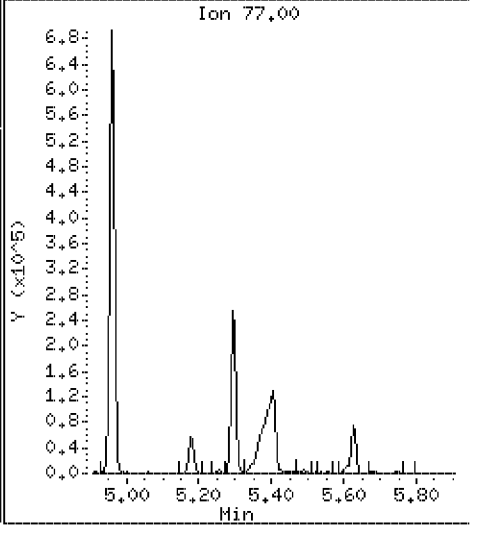


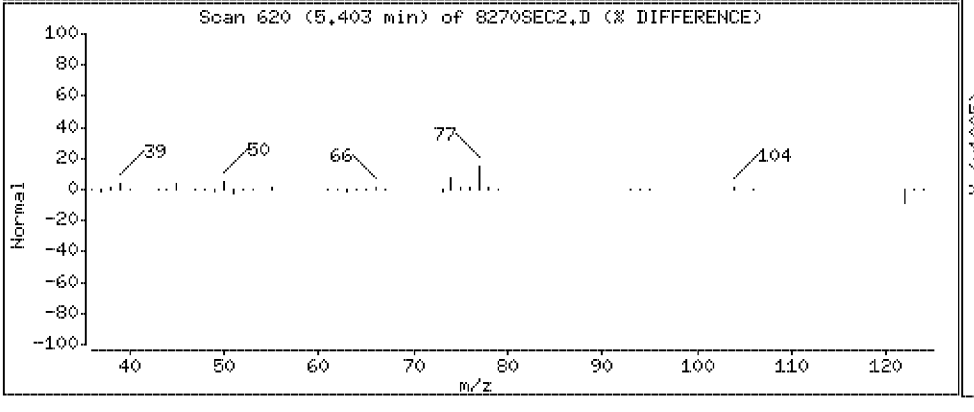












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

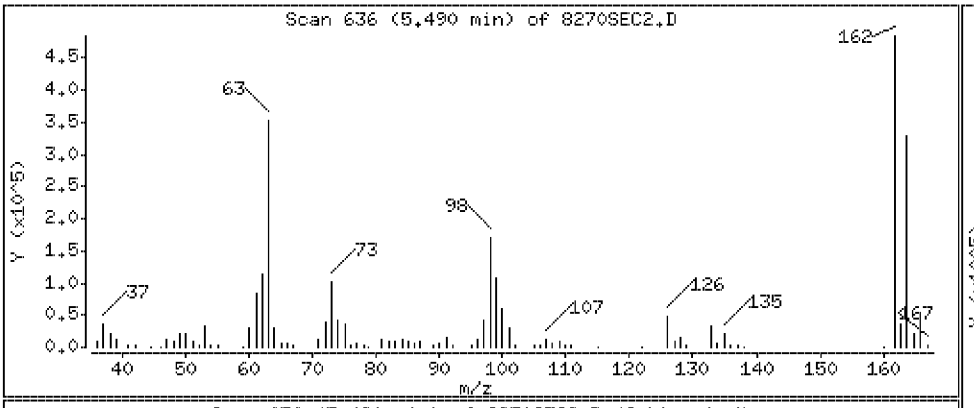
Operator: PEL

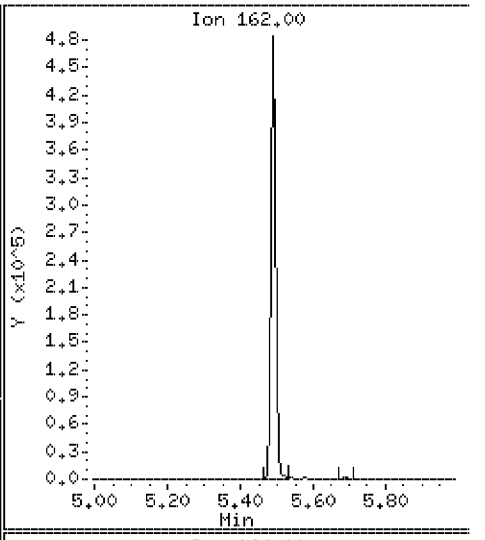
Column phase: HPMS-5

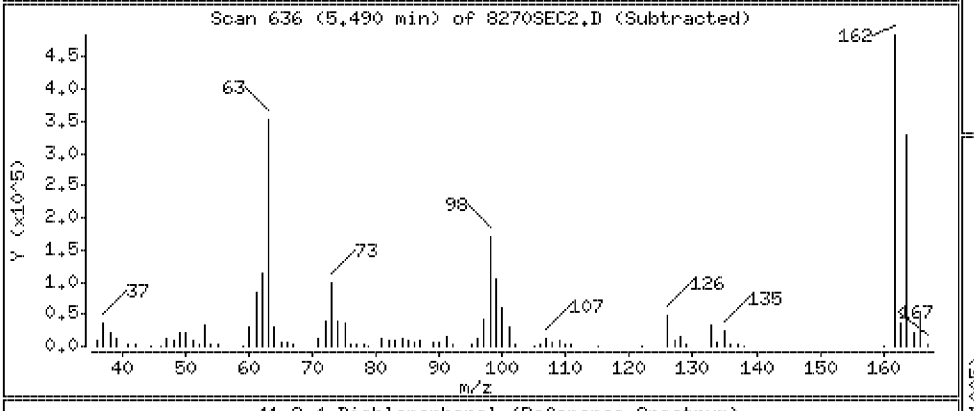
Column diameter: 0.25

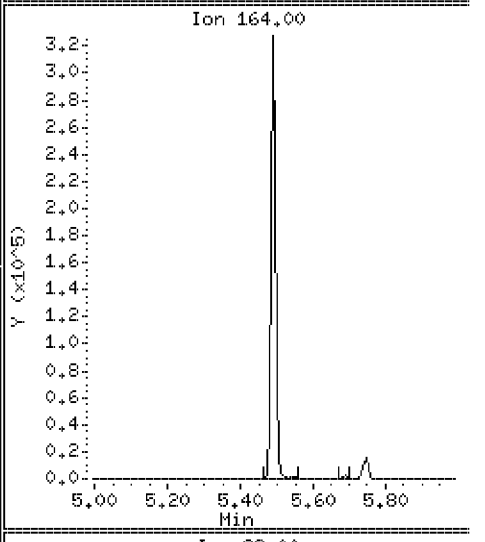
41 2,4-Dichlorophenol

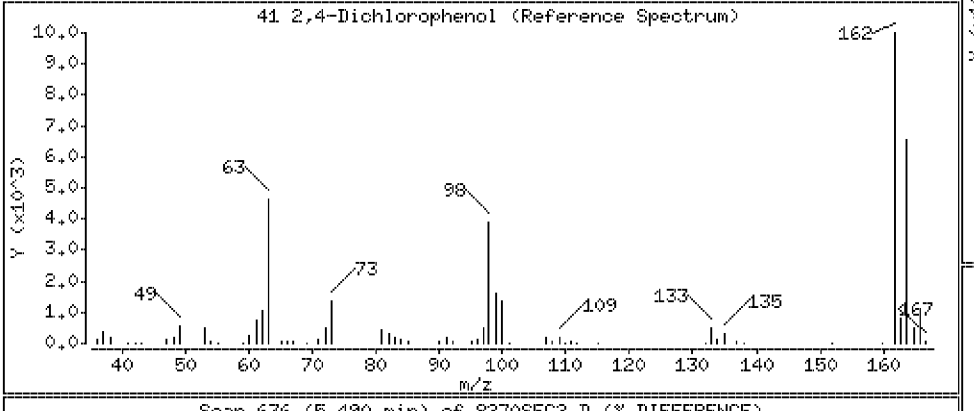
Concentration: 44.2 ug/l

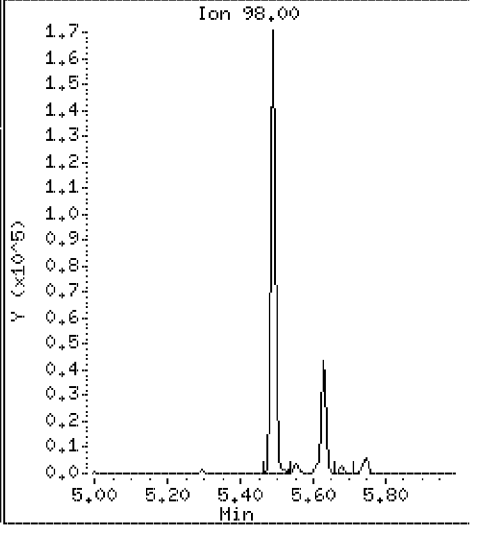


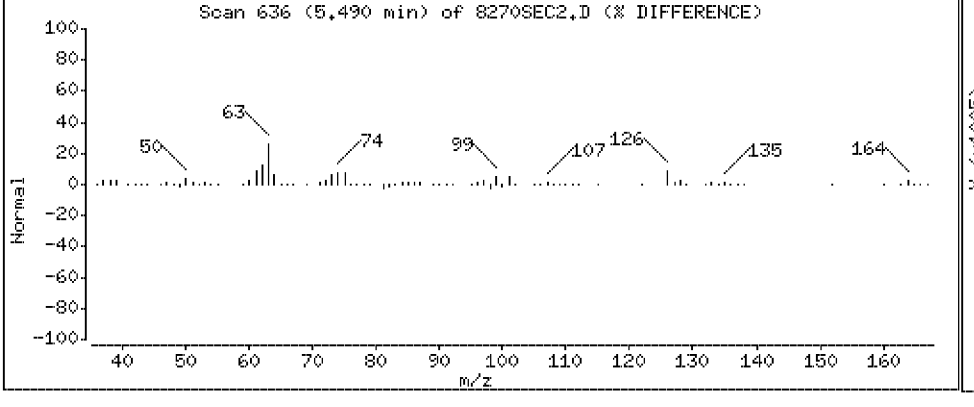












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

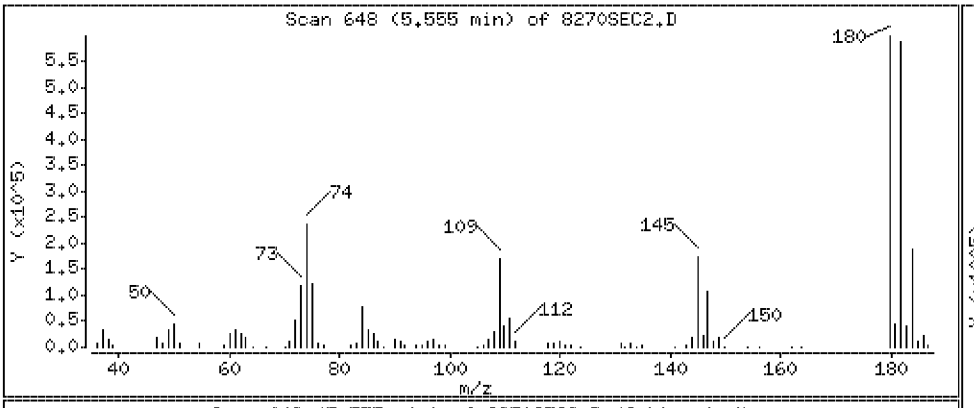
Operator: PEL

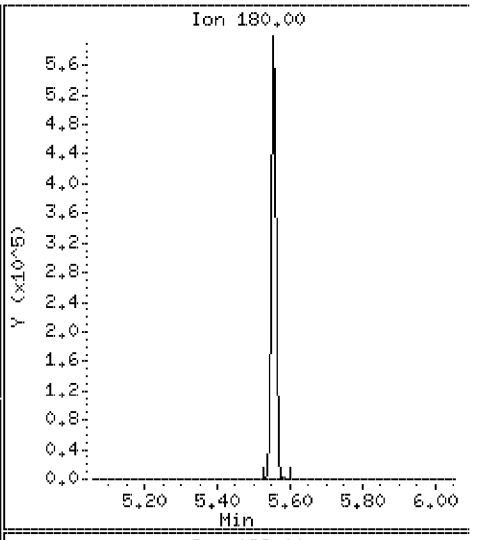
Column phase: HPMS-5

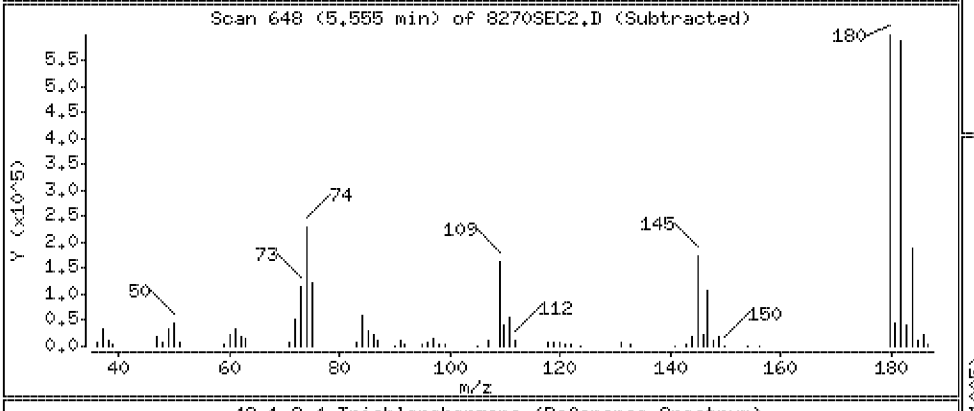
Column diameter: 0.25

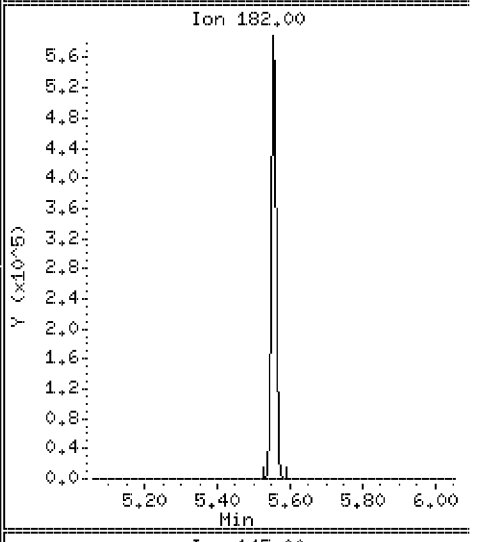
42 1,2,4-Trichlorobenzene

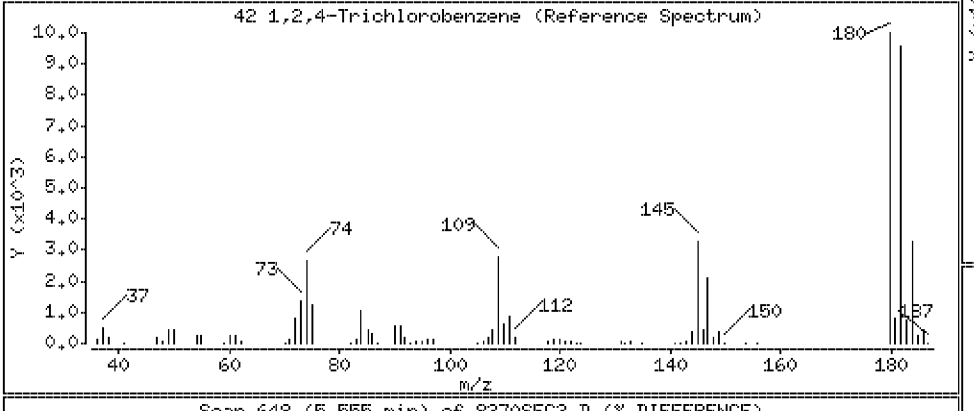
Concentration: 44.4 ug/l

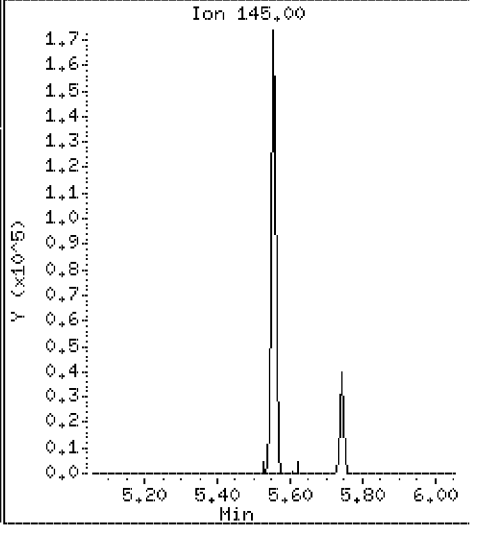


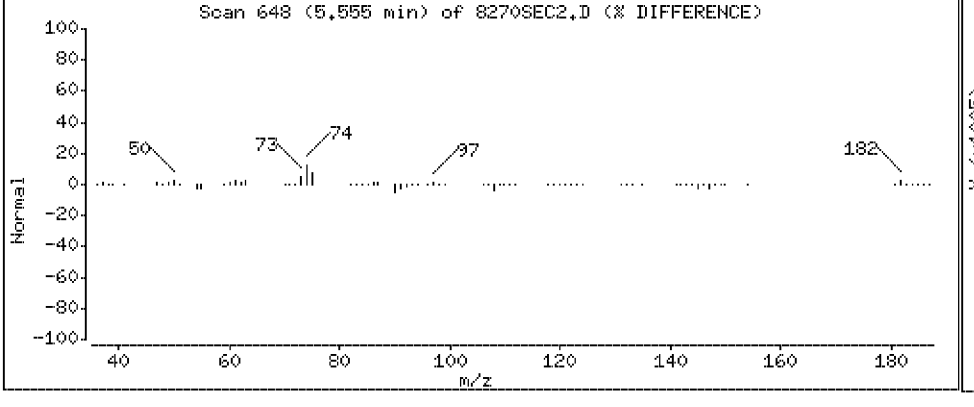












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

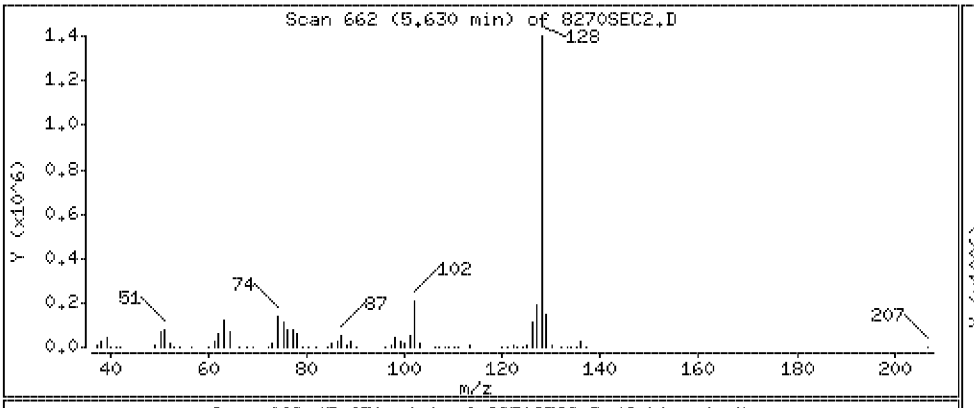
Operator: PEL

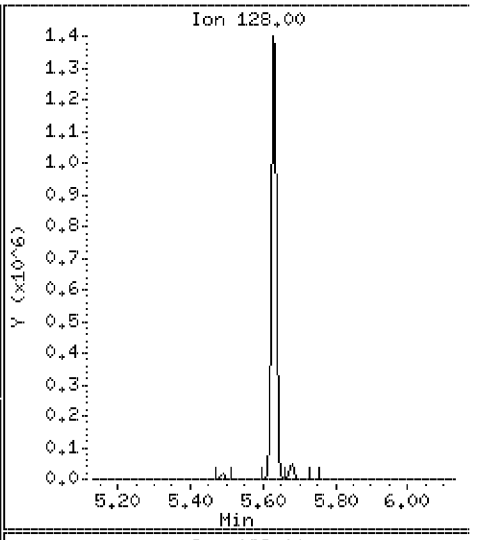
Column phase: HPMS-5

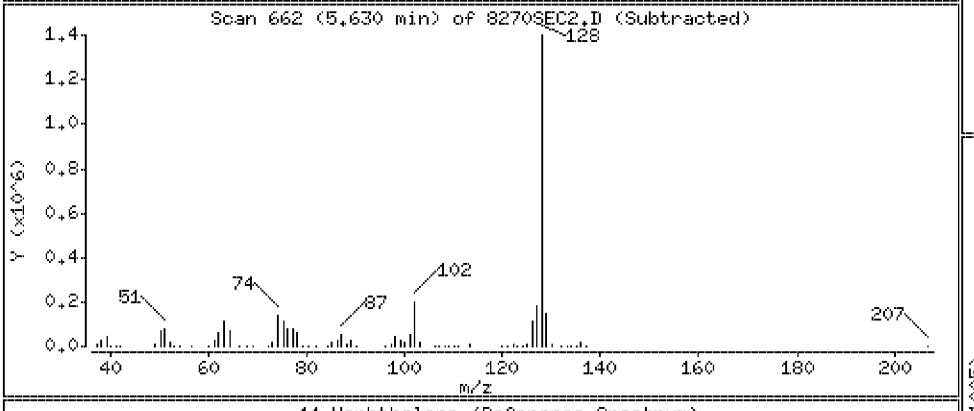
Column diameter: 0.25

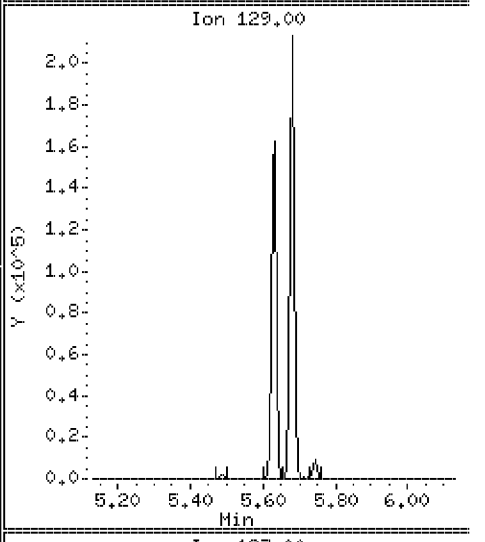
44 Naphthalene

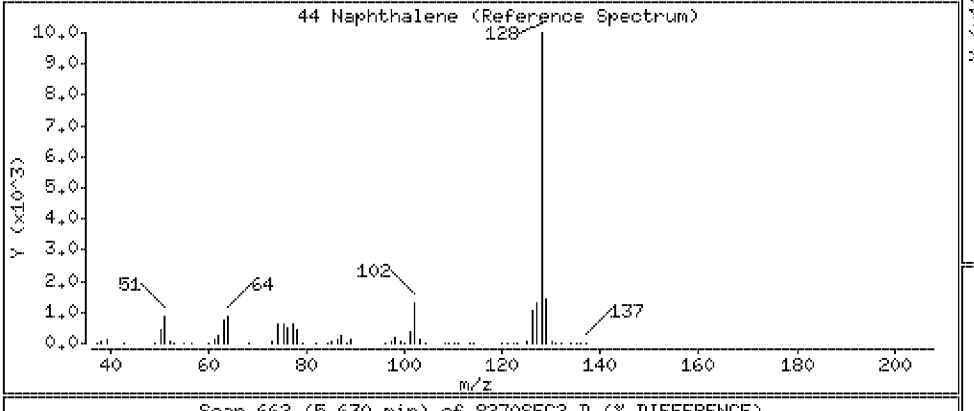
Concentration: 47.6 ug/l

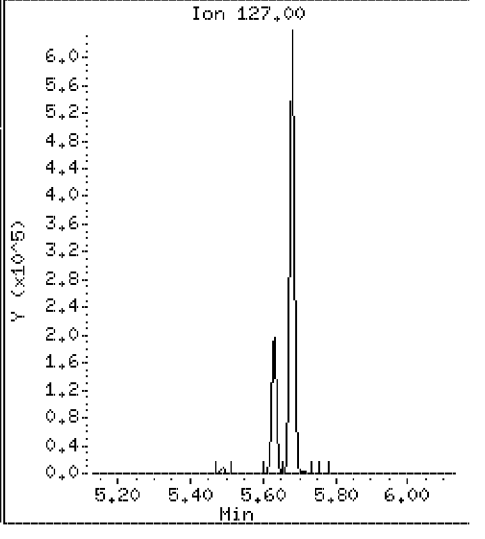


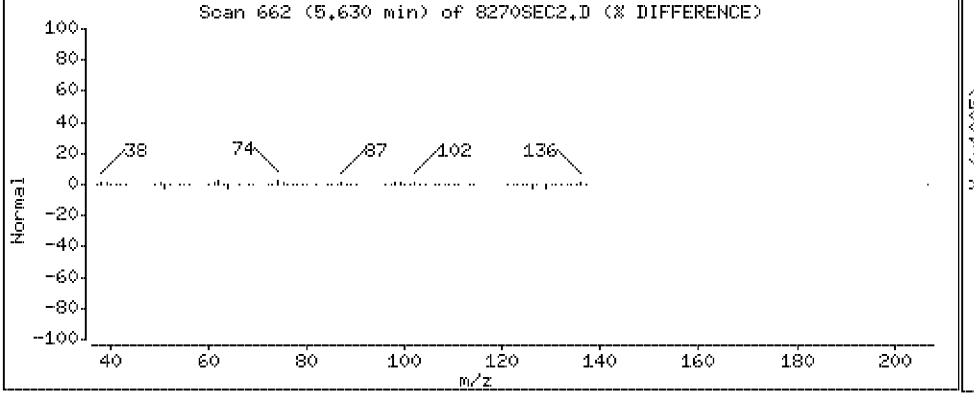












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

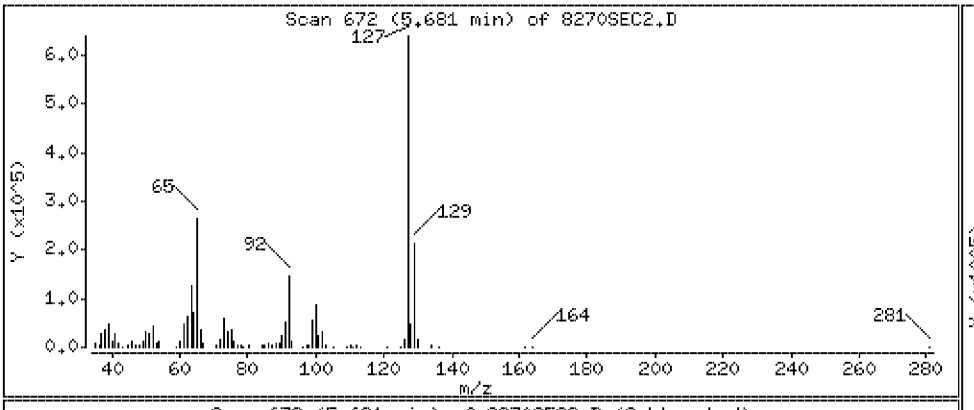
Operator: PEL

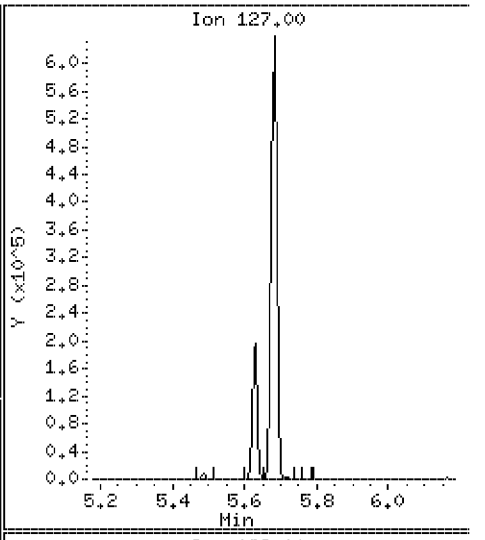
Column phase: HPMS-5

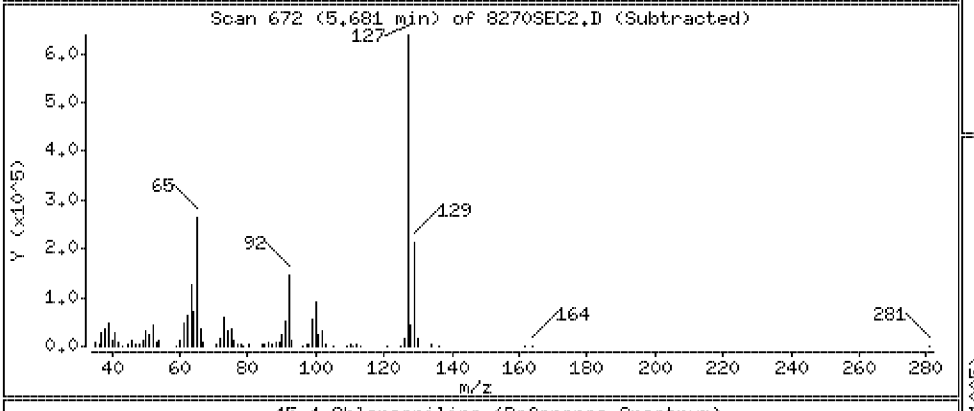
Column diameter: 0.25

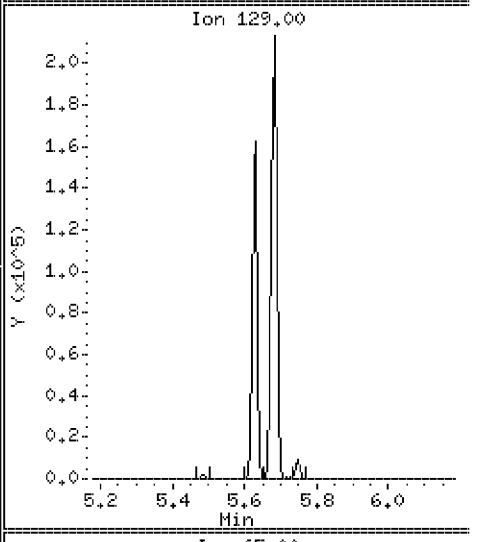
45 4-Chloroaniline

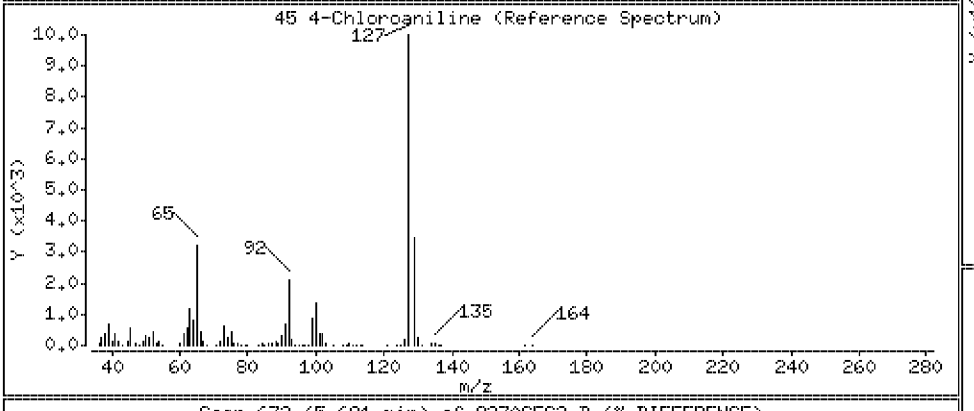
Concentration: 47.5 ug/l

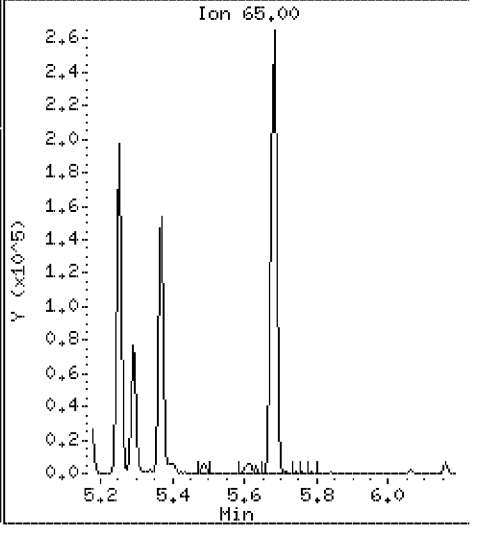


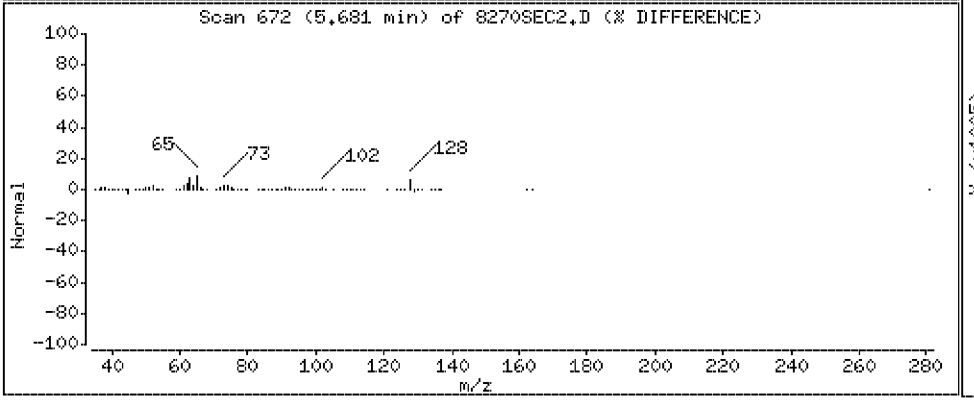












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

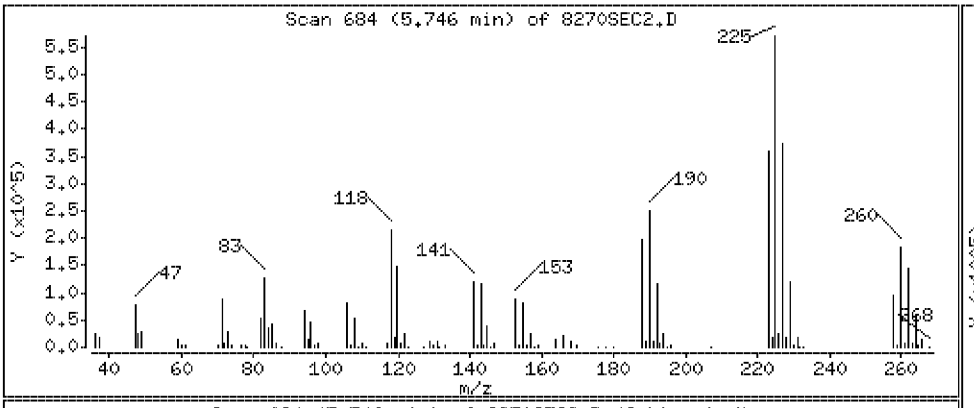
Operator: PEL

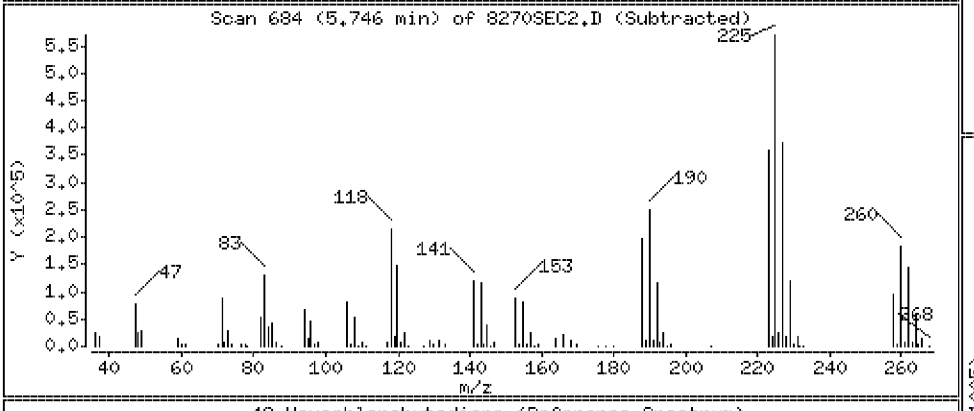
Column phase: HPMS-5

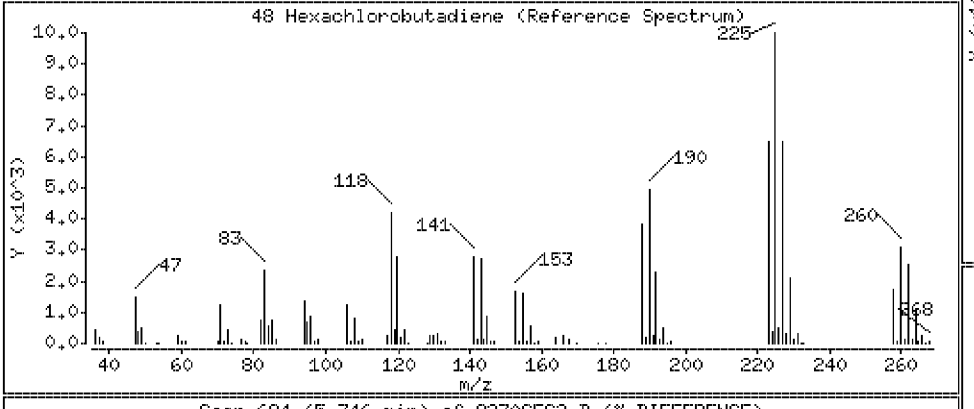
Column diameter: 0.25

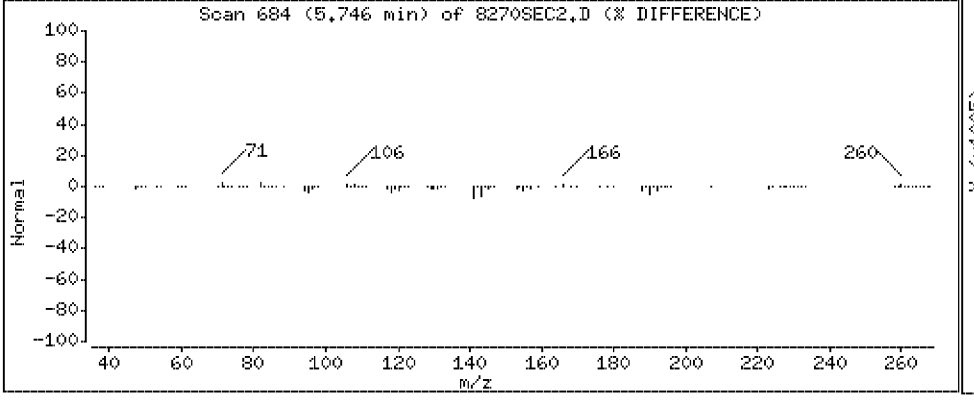
48 Hexachlorobutadiene

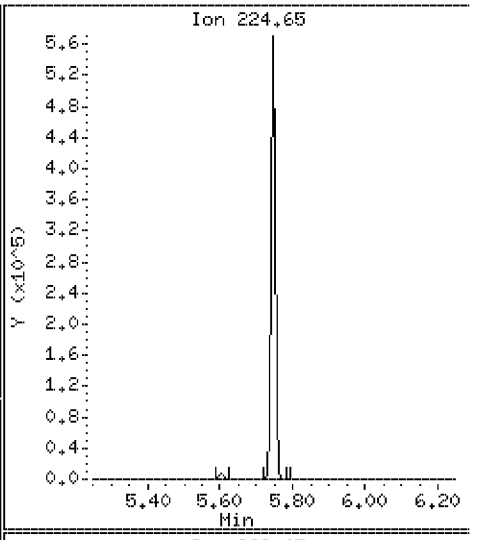
Concentration: 49.3 ug/l

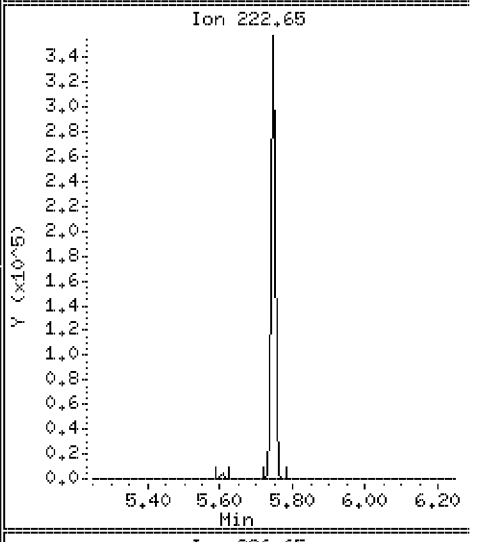


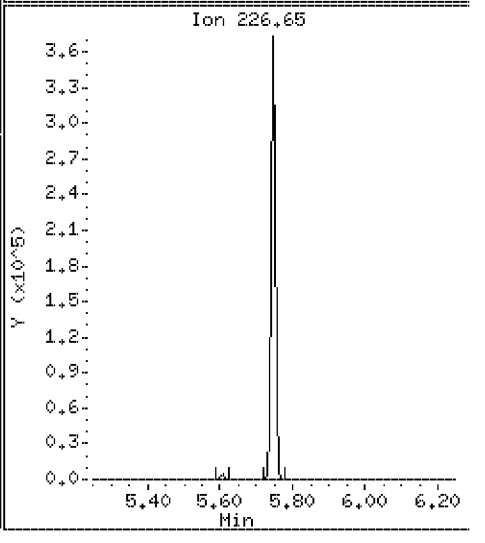












Date : 23-APR-2012 13:33

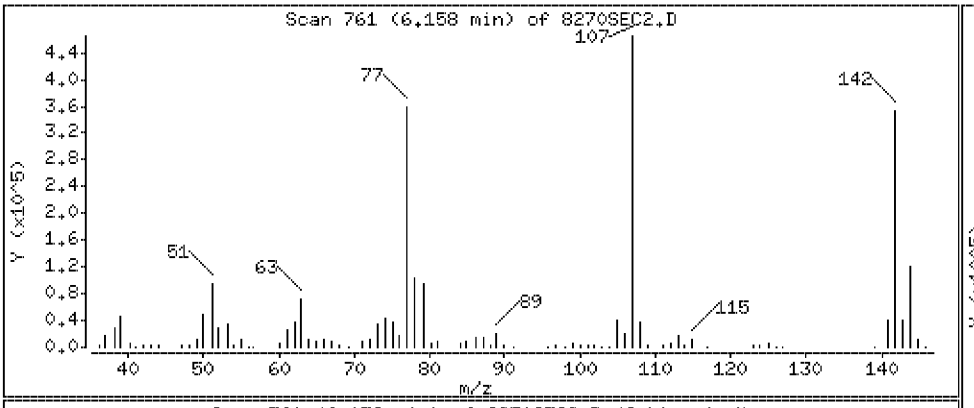
Client ID: 8270SEC Instrument: smsd03.i

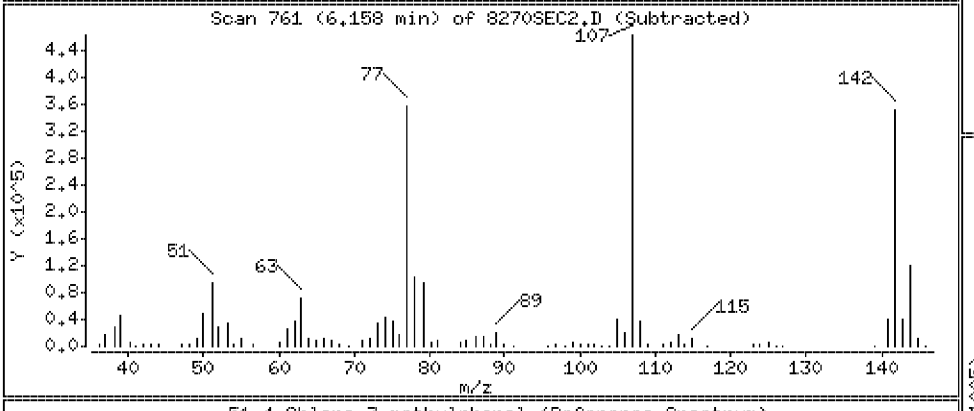
Sample Info: 45872

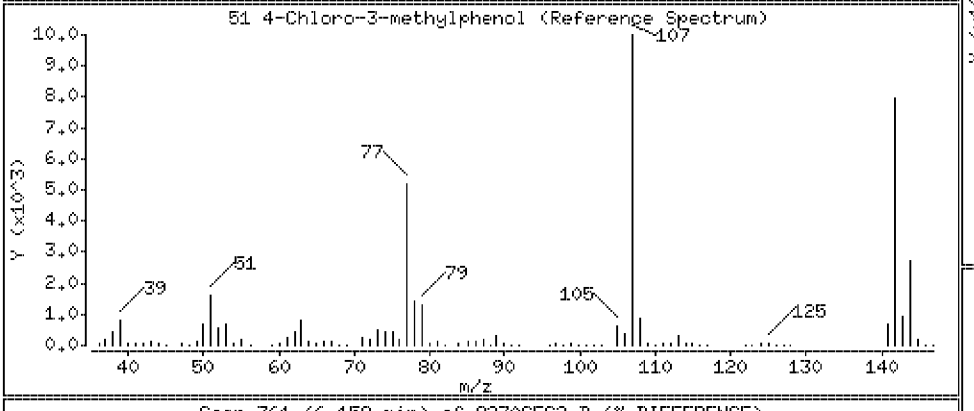
Purge Volume: 1000.0 Operator: PEL

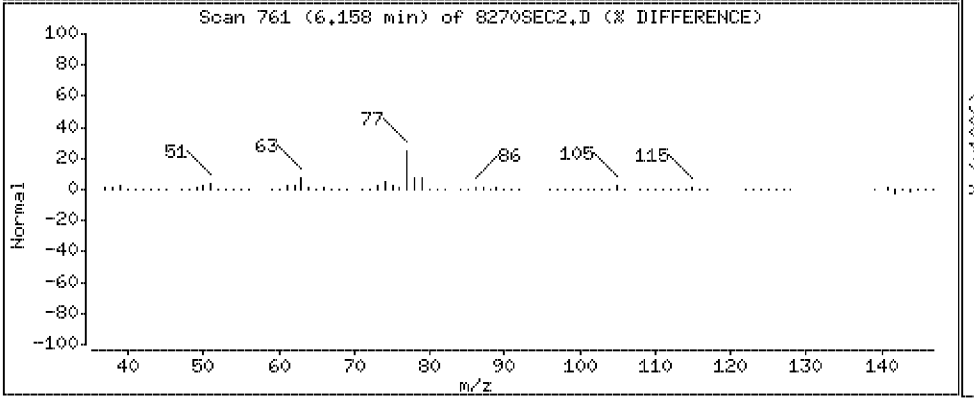
Column phase: HPMS-5 Column diameter: 0.25

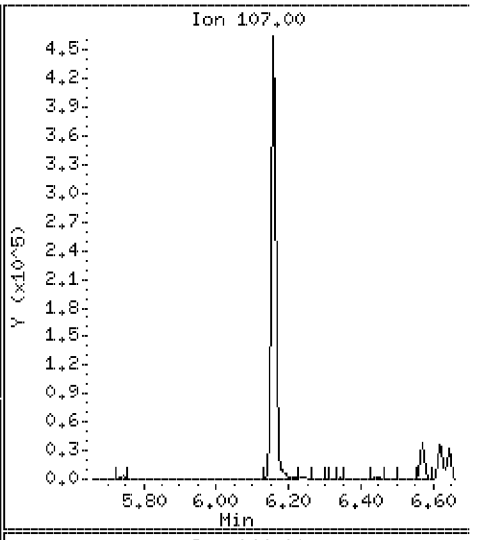
51 4-Chloro-3-methylphenol Concentration: 44.8 ug/l

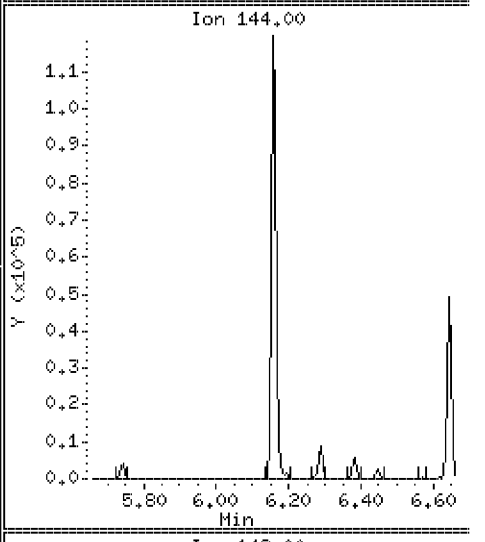


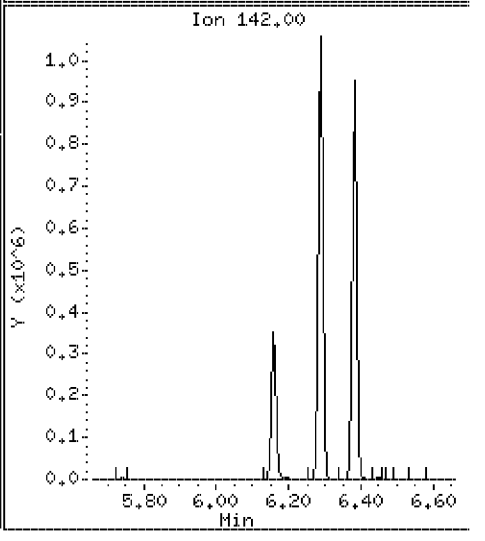












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

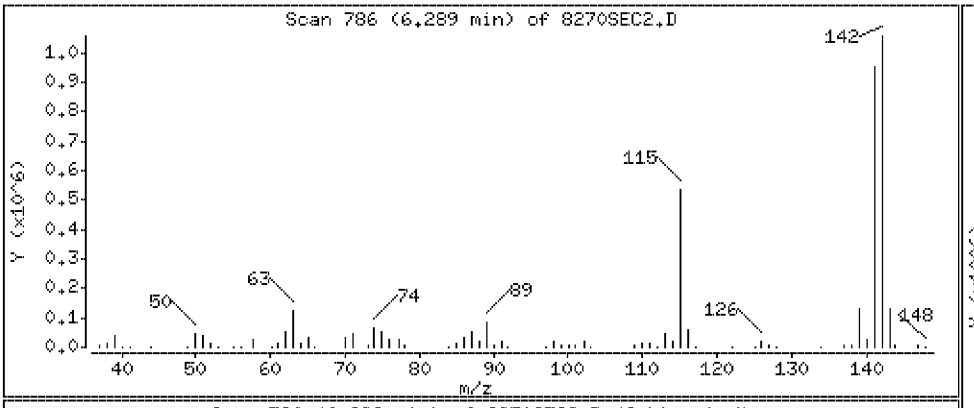
Operator: PEL

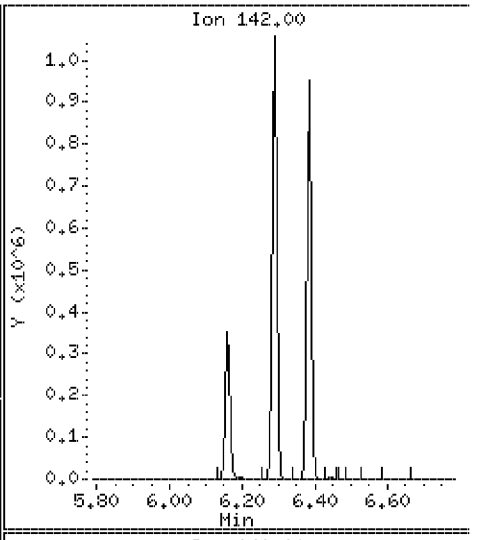
Column phase: HPMS-5

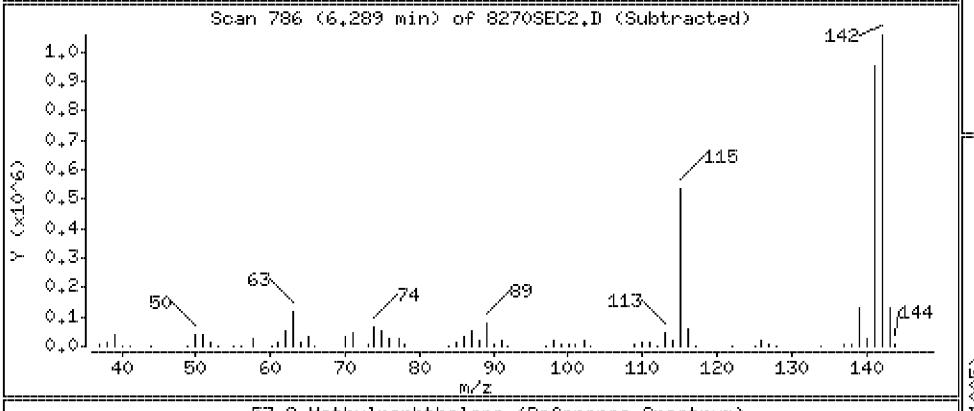
Column diameter: 0.25

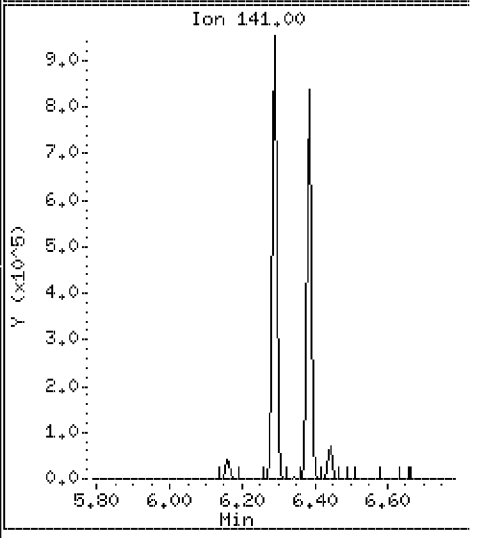
53 2-Methylnaphthalene

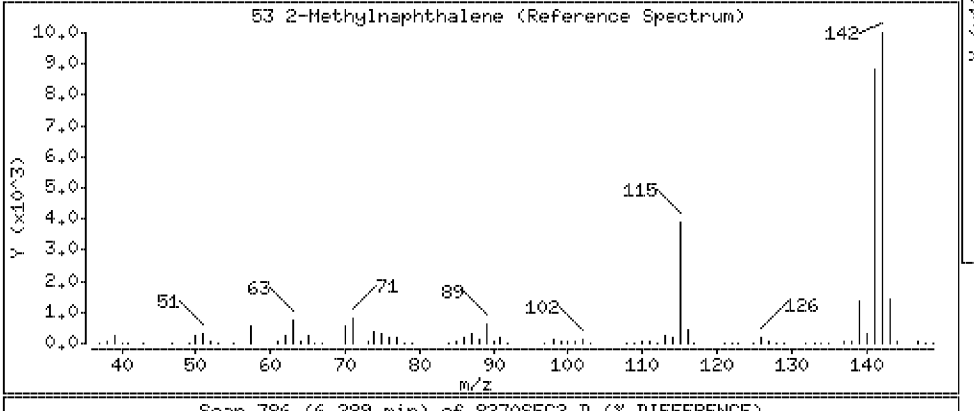
Concentration: 45.5 ug/l

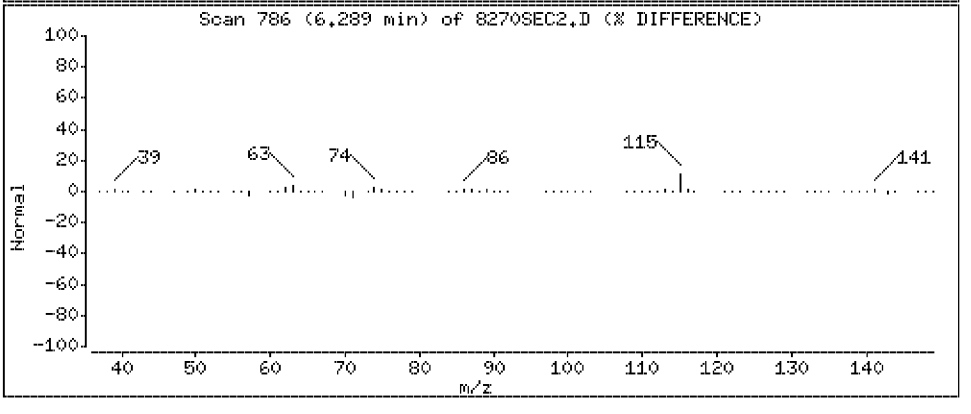












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

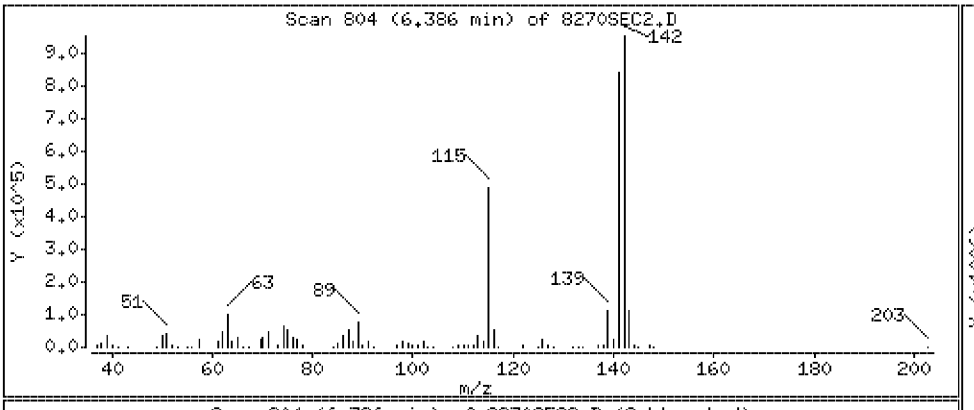
Operator: PEL

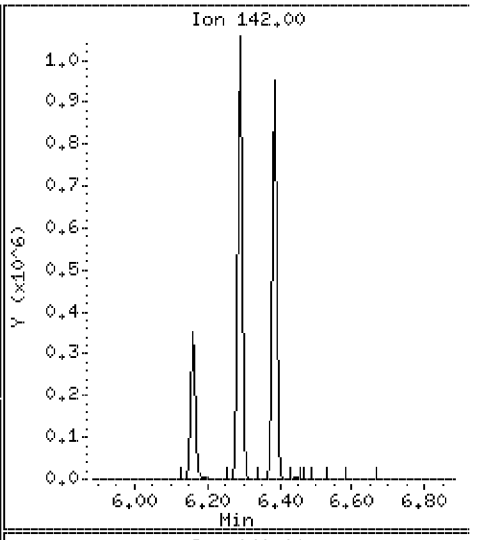
Column phase: HPMS-5

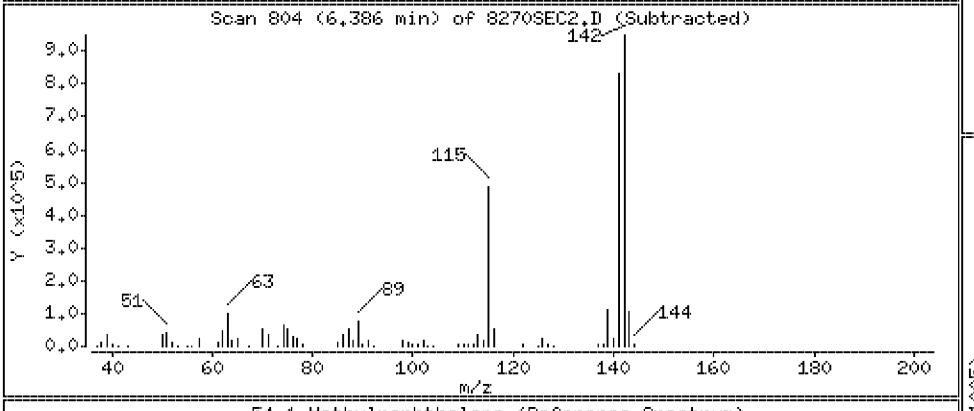
Column diameter: 0.25

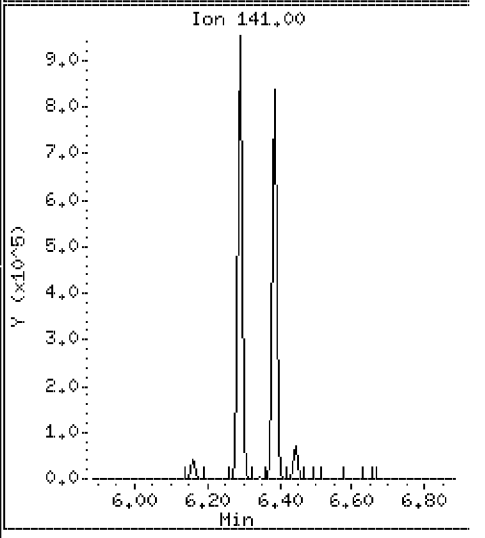
54 1-Methylnaphthalene

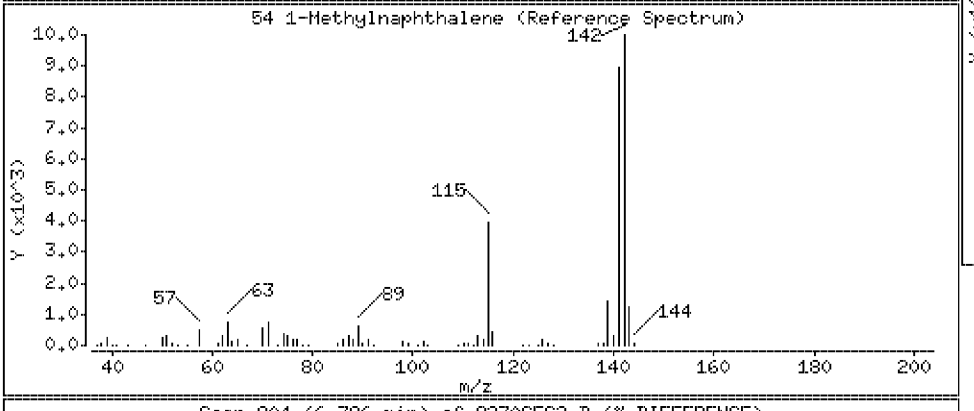
Concentration: 43.7 ug/l

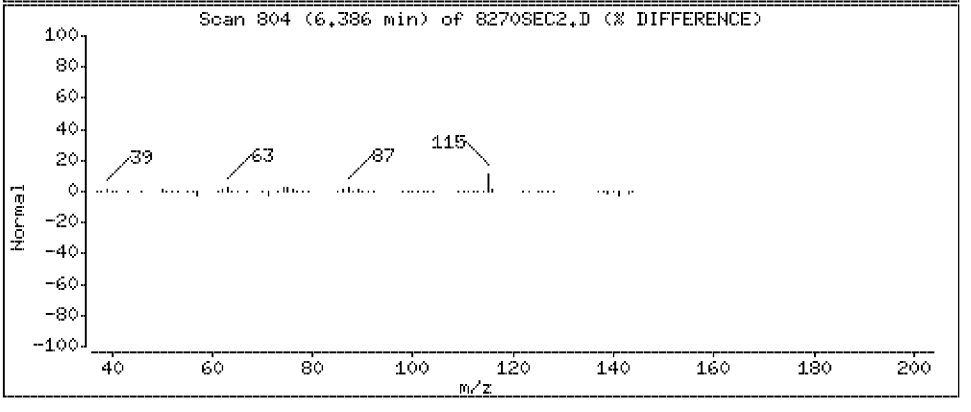












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

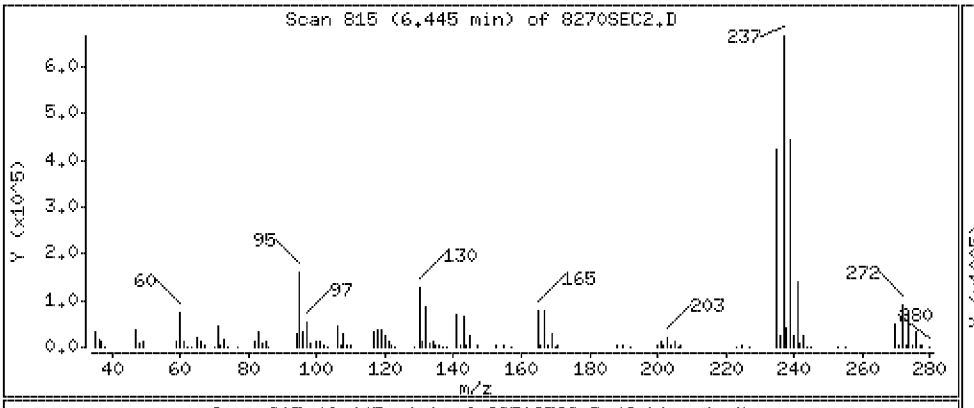
Operator: PEL

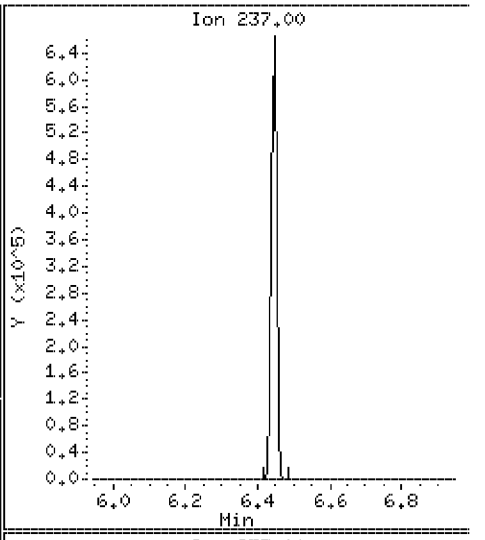
Column phase: HPMS-5

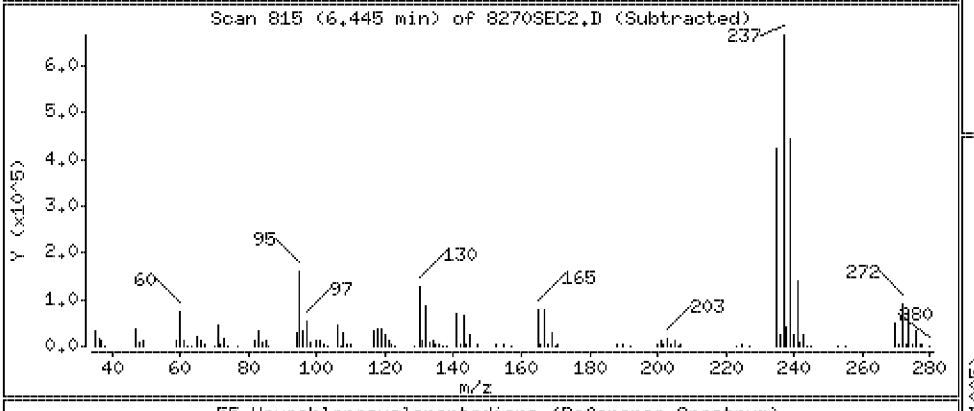
Column diameter: 0.25

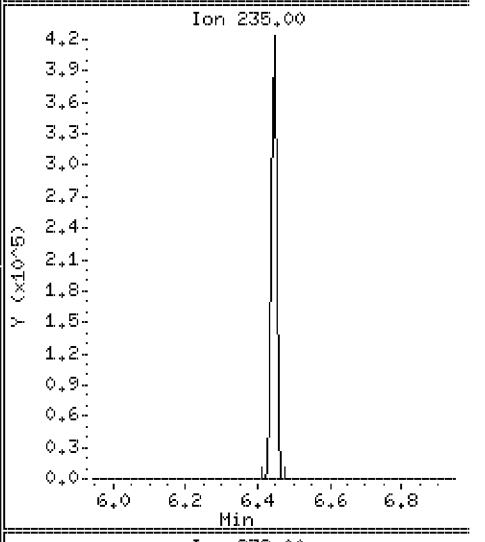
55 Hexachlorocyclopentadiene

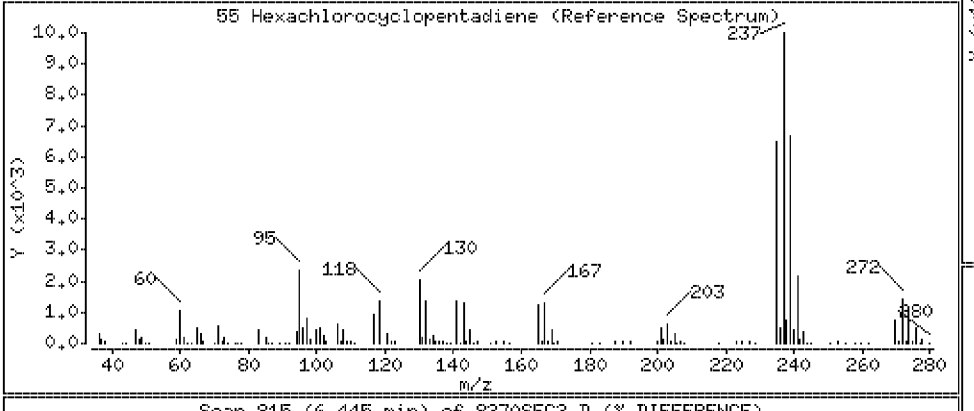
Concentration: 47.4 ug/l

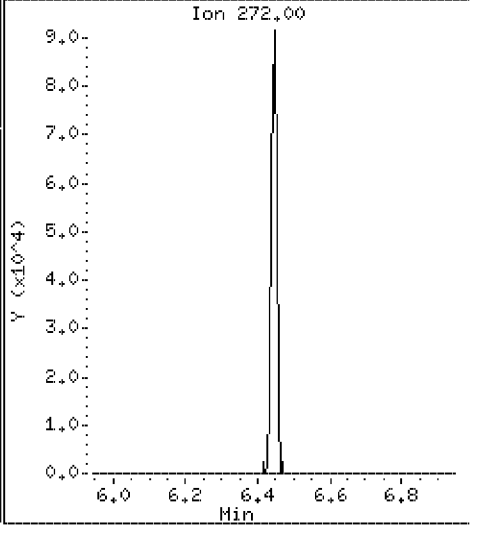


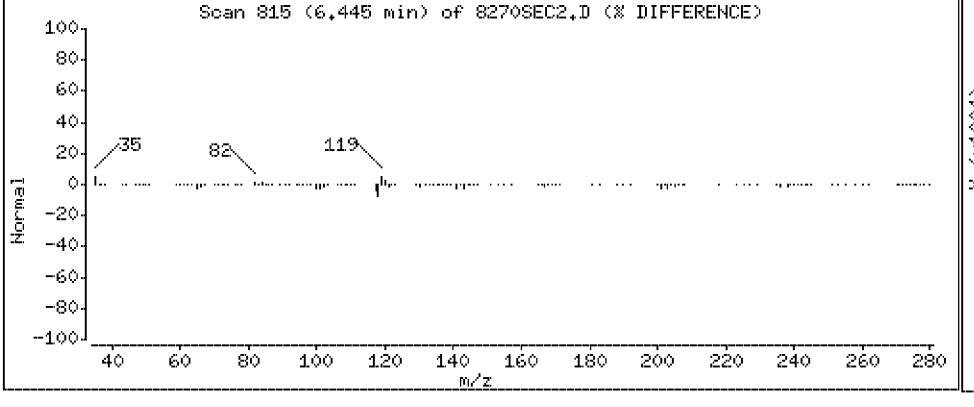












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

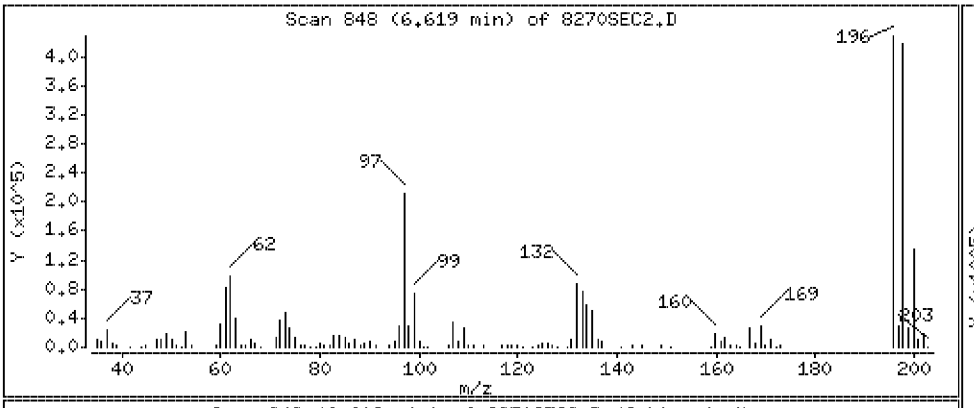
Operator: PEL

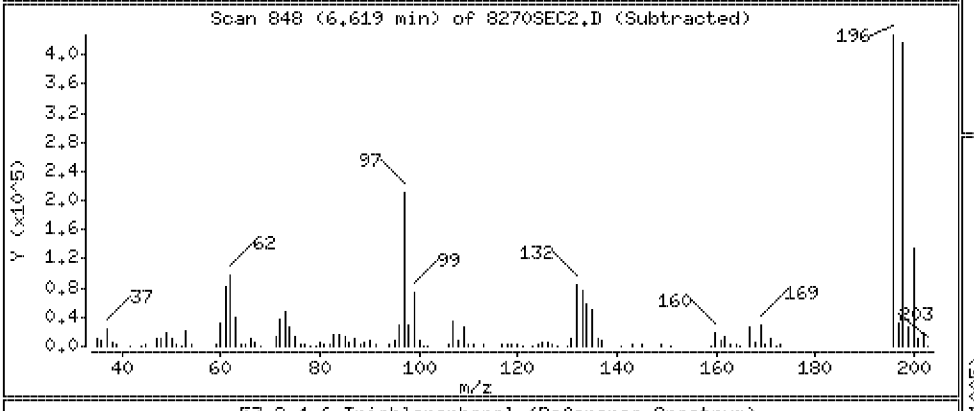
Column phase: HPMS-5

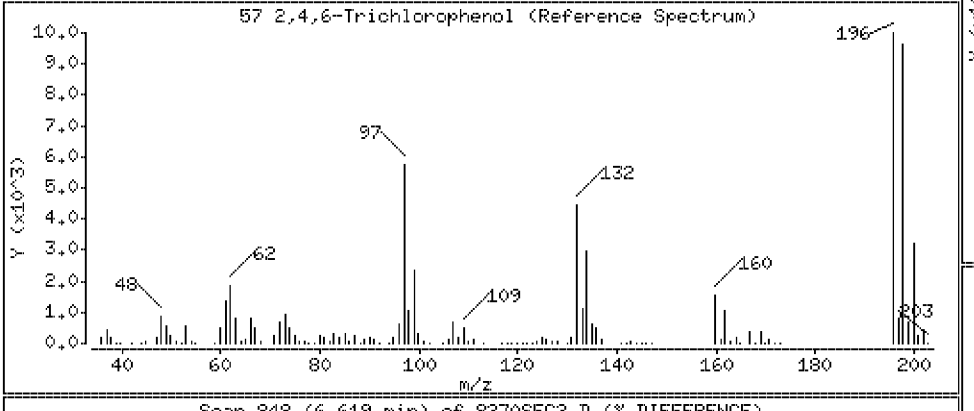
Column diameter: 0.25

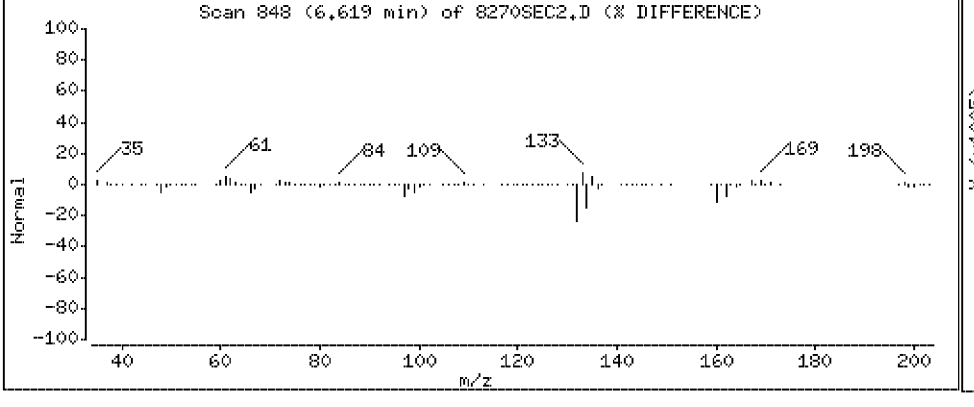
57 2,4,6-Trichlorophenol

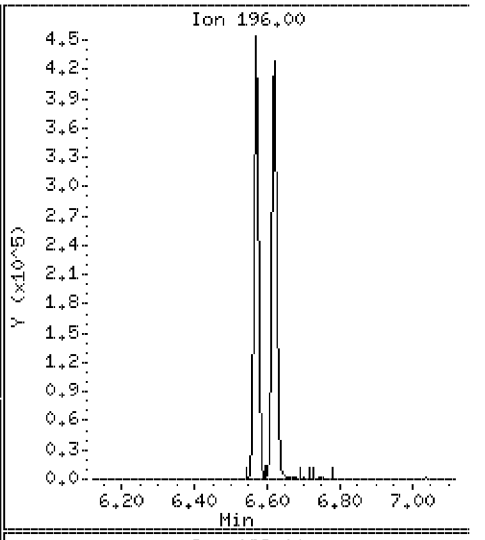
Concentration: 46.5 ug/l

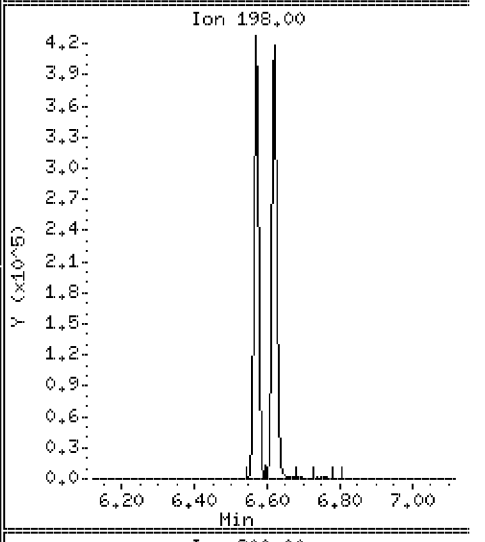


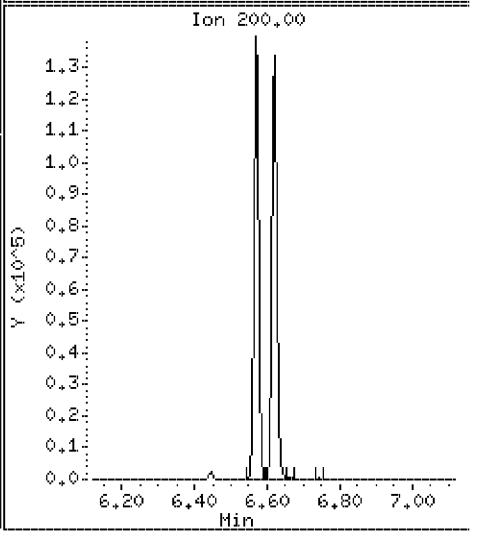












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

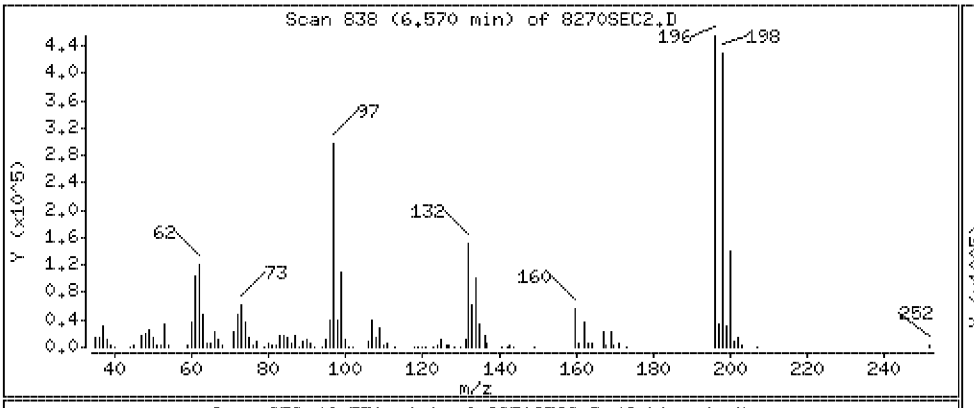
Operator: PEL

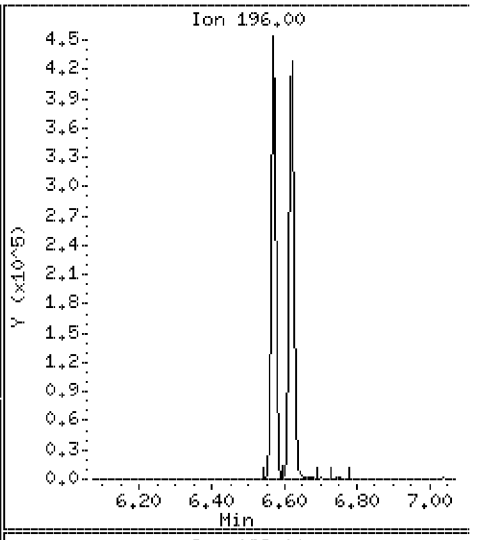
Column phase: HPMS-5

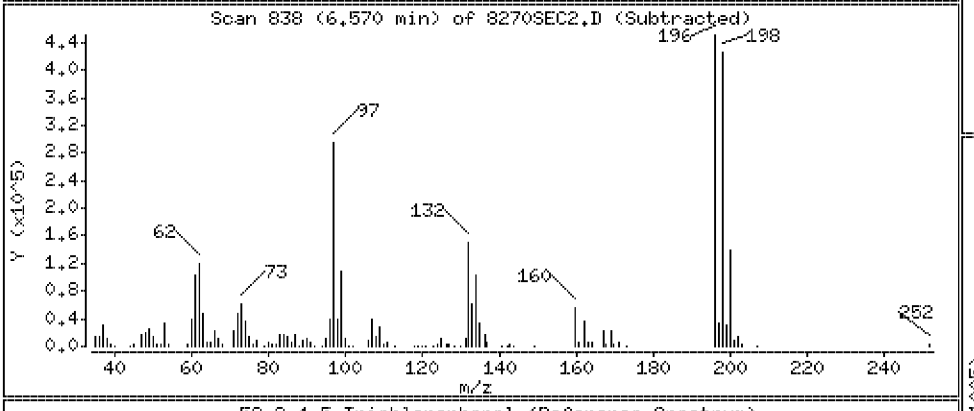
Column diameter: 0.25

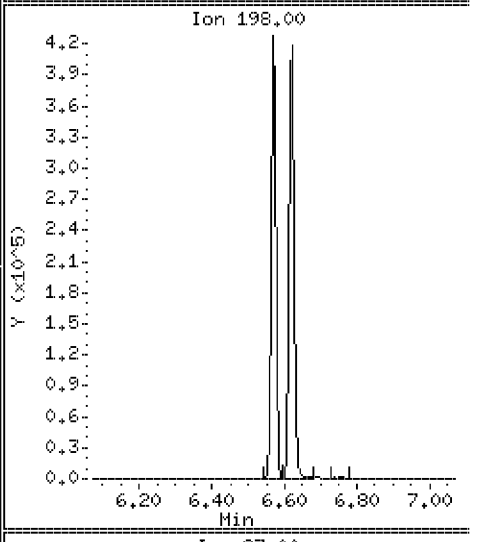
58 2,4,5-Trichlorophenol

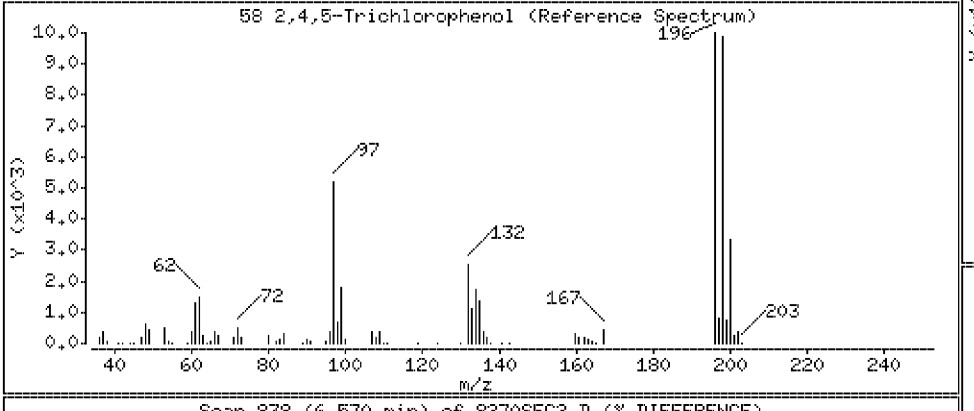
Concentration: 46.9 ug/l

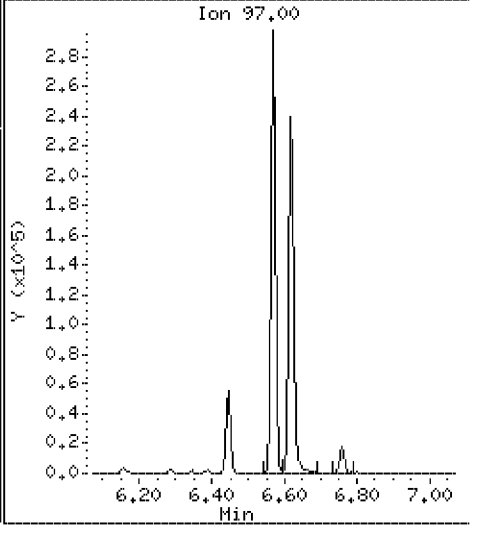


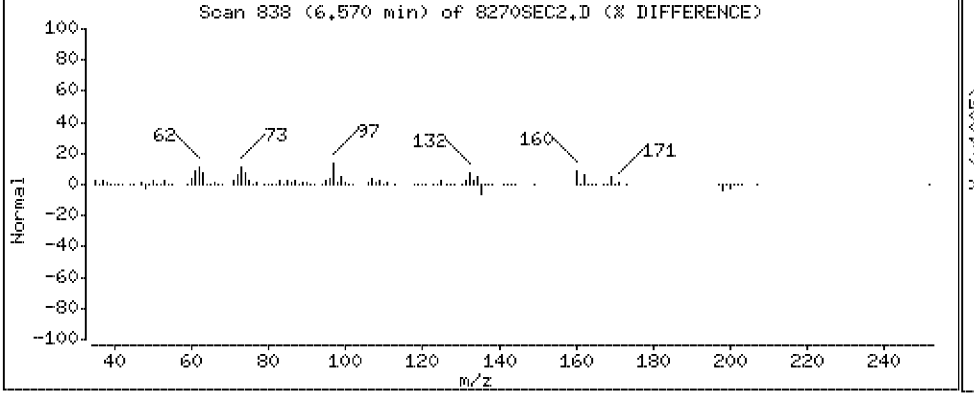












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

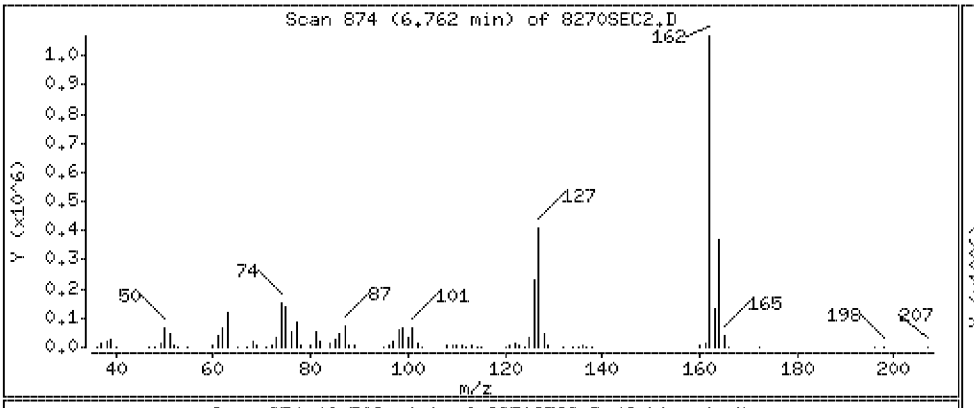
Operator: PEL

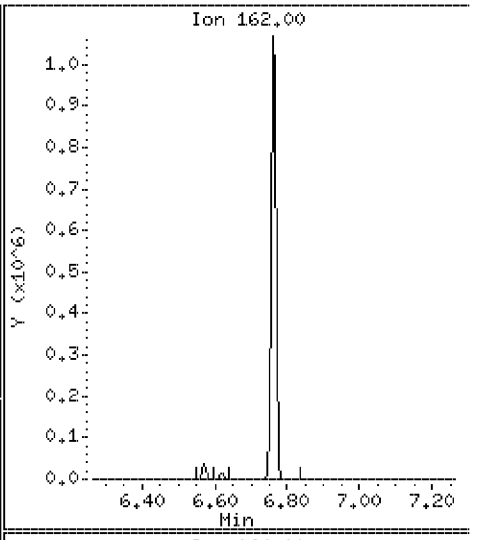
Column phase: HPMS-5

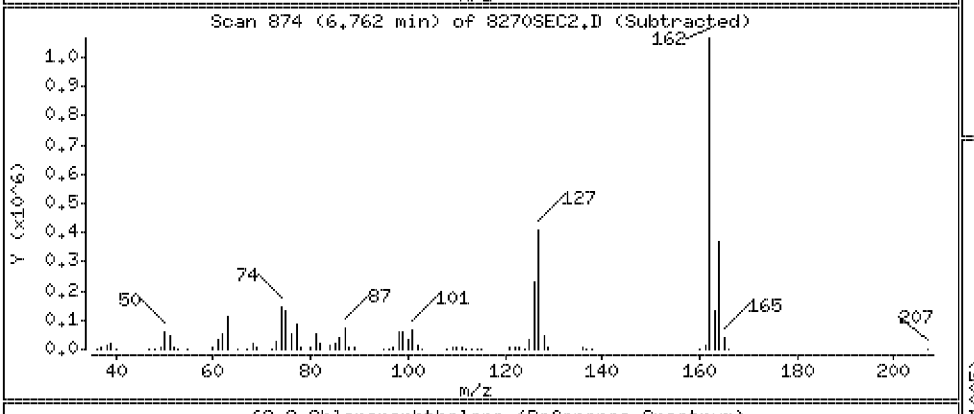
Column diameter: 0.25

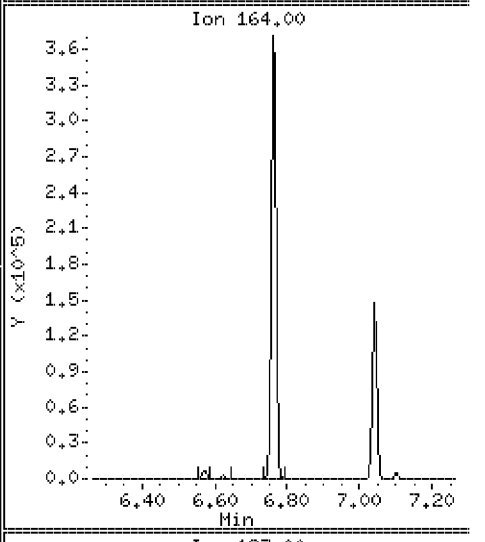
62 2-Chloronaphthalene

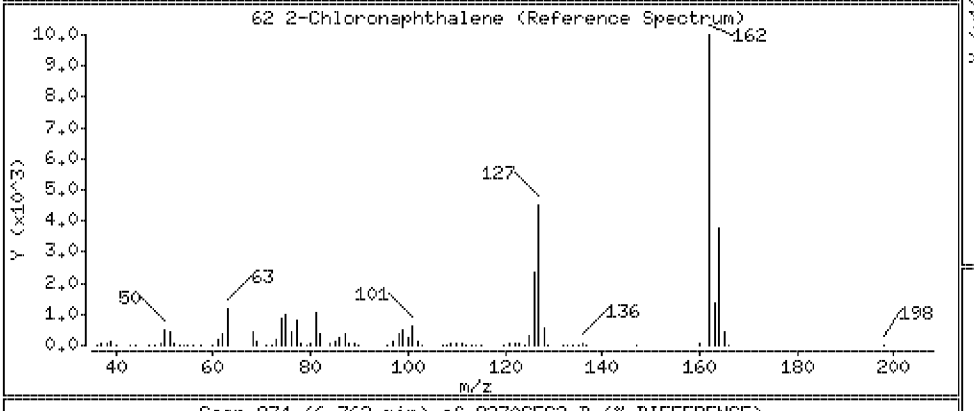
Concentration: 46.4 ug/l

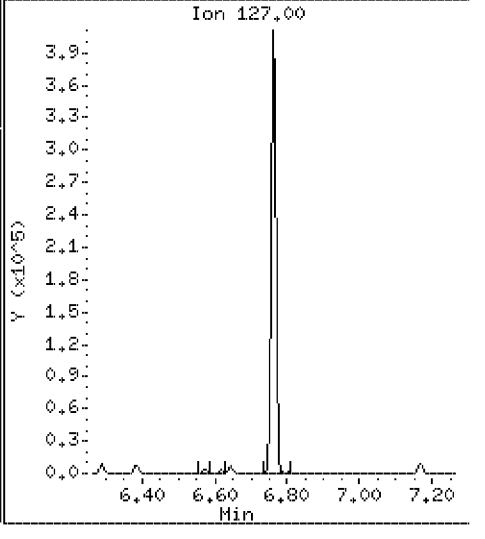


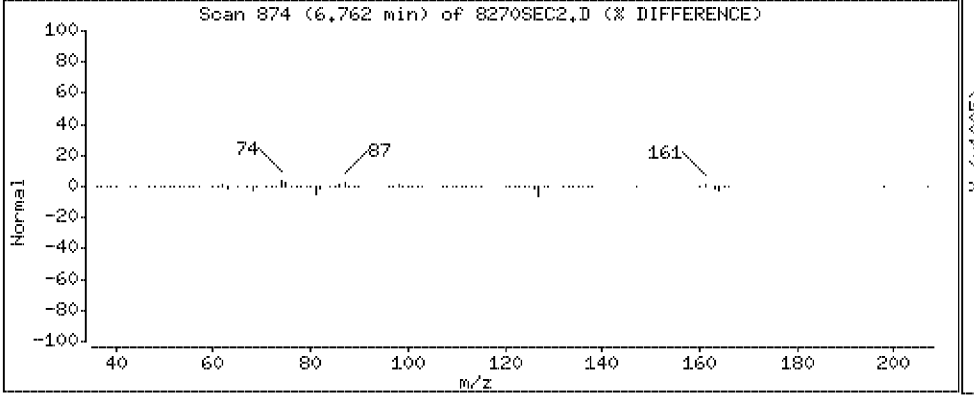












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

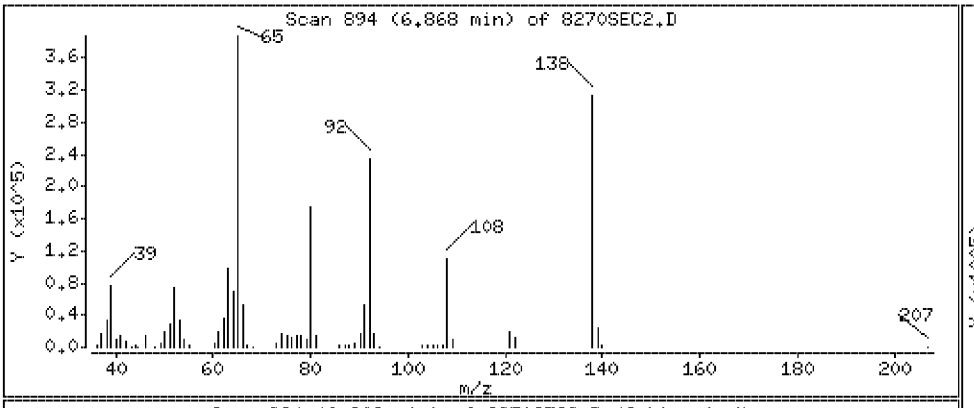
Operator: PEL

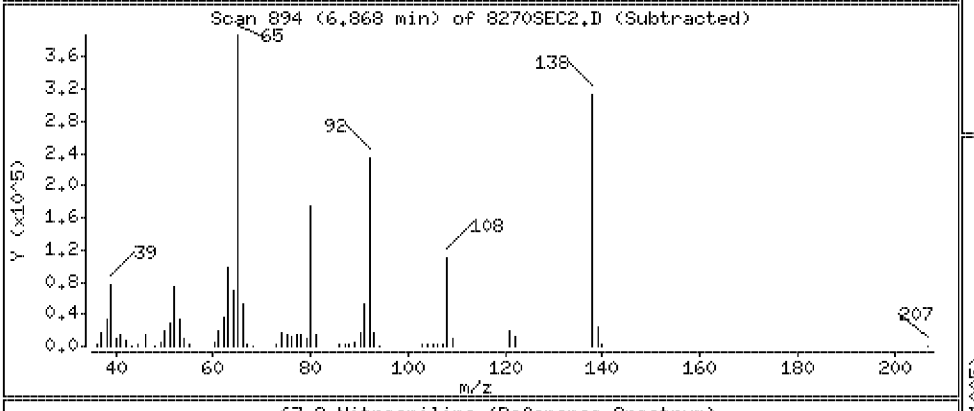
Column phase: HPMS-5

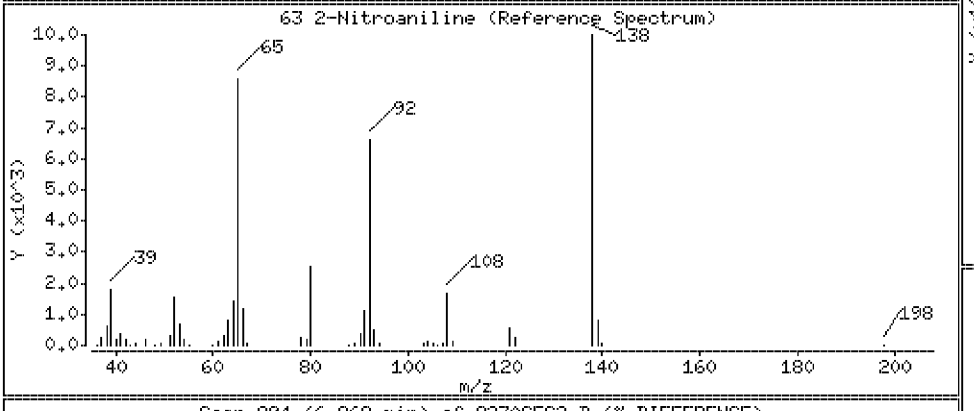
Column diameter: 0.25

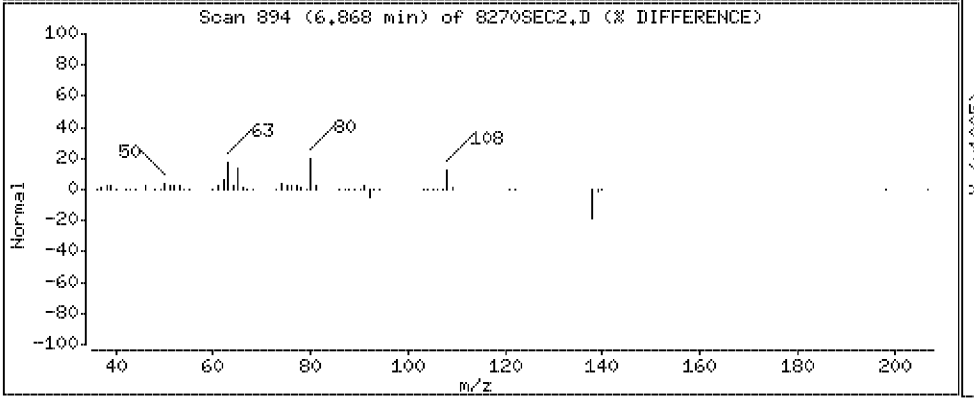
63 2-Nitroaniline

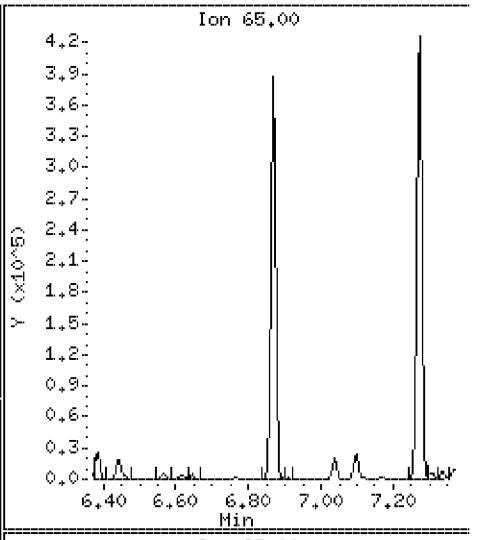
Concentration: 48.7 ug/l

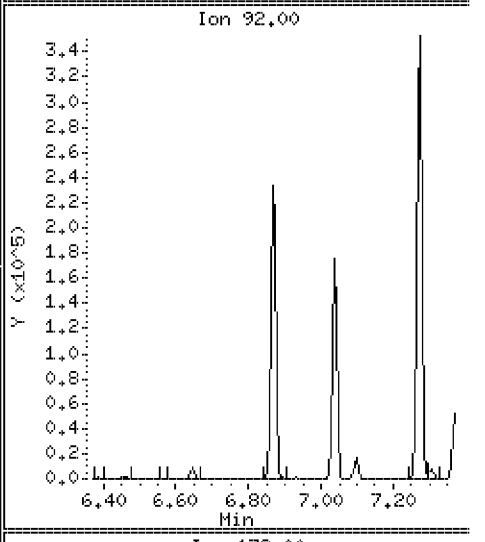


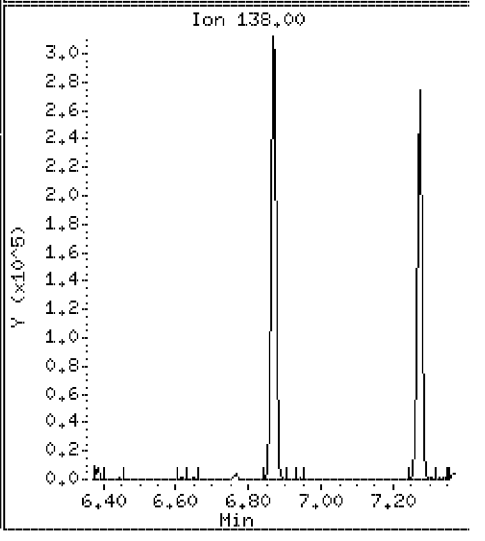












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

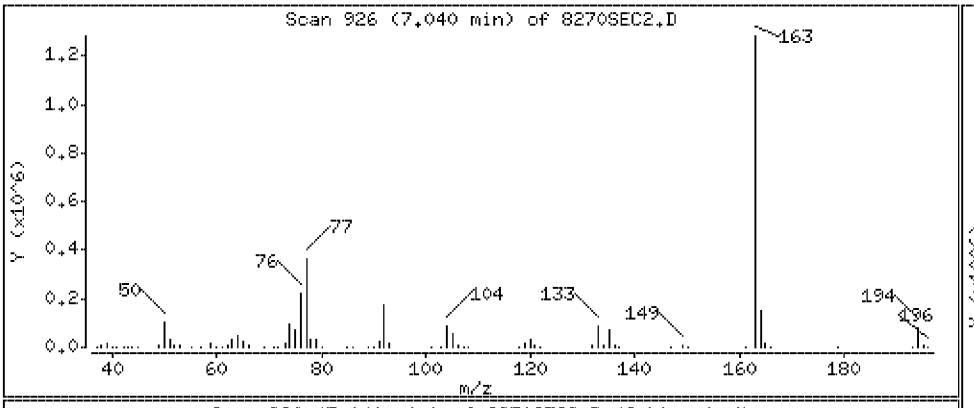
Operator: PEL

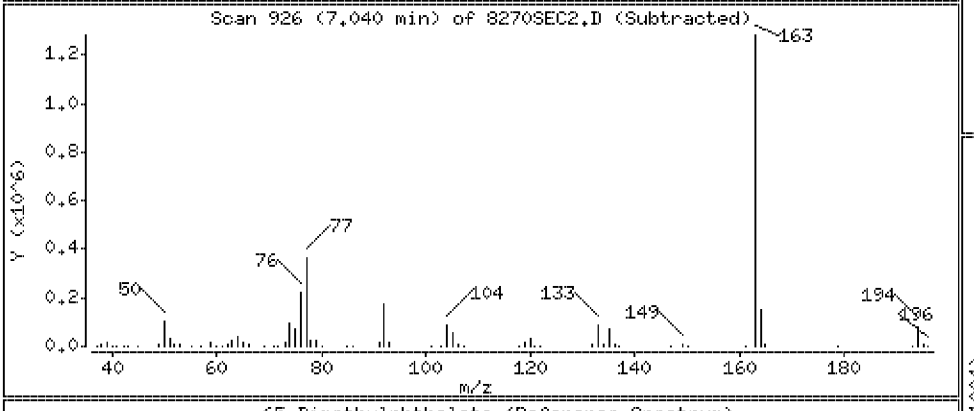
Column phase: HPMS-5

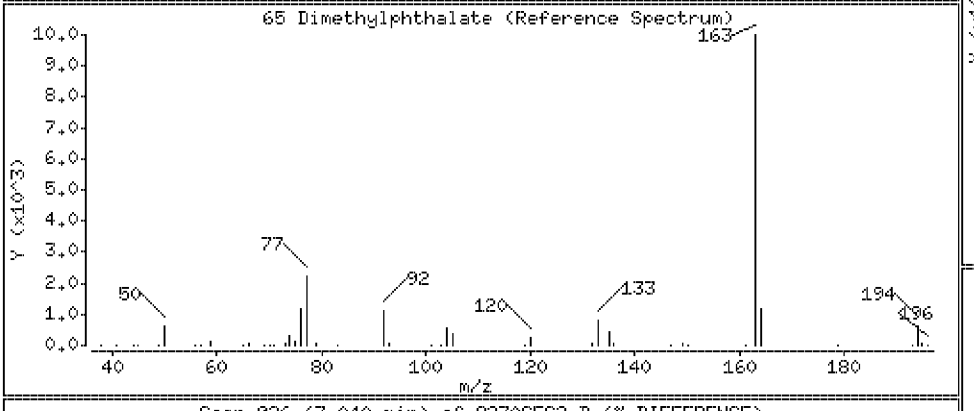
Column diameter: 0.25

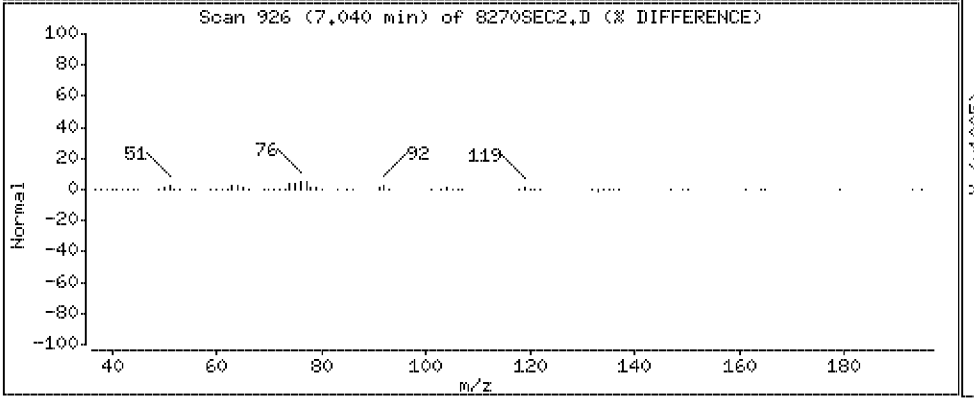
65 Dimethylphthalate

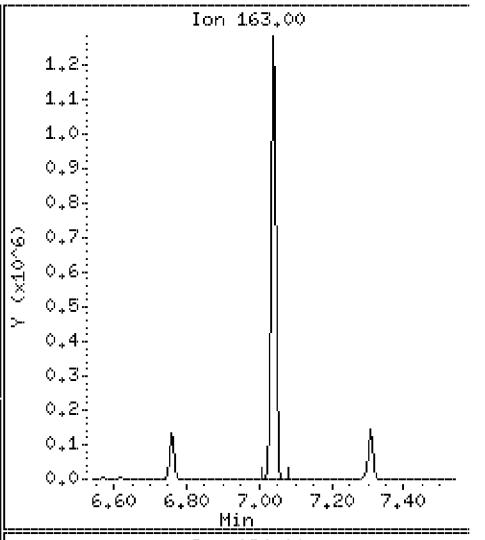
Concentration: 48.0 ug/l

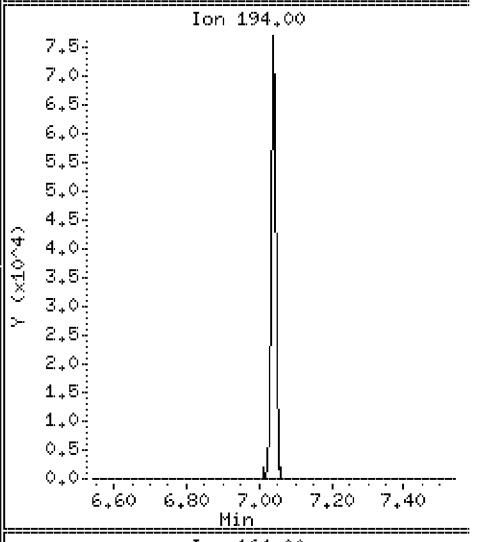


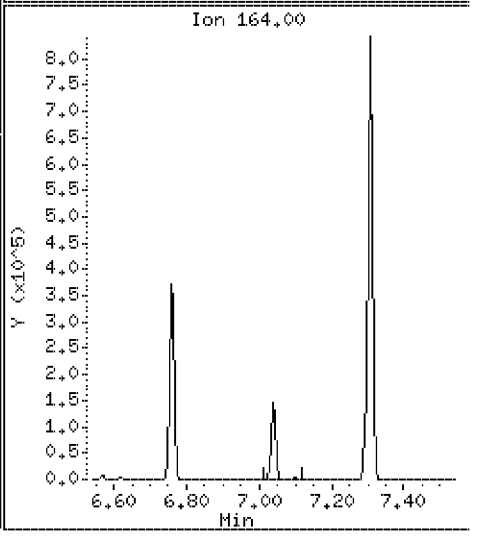












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

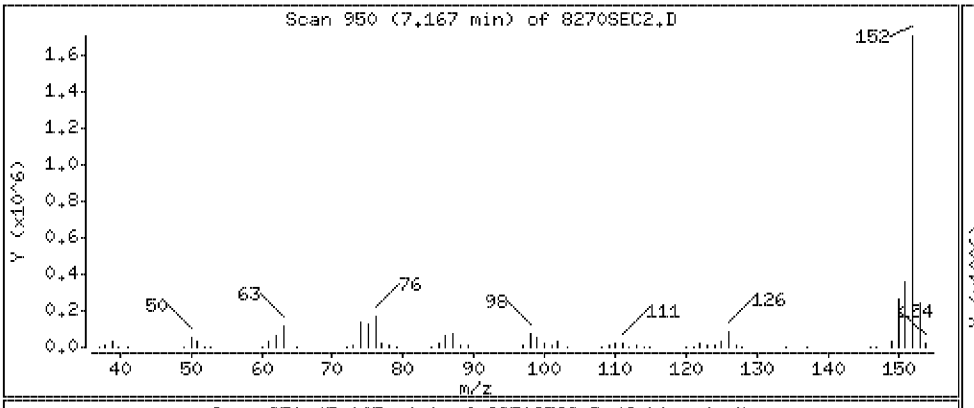
Operator: PEL

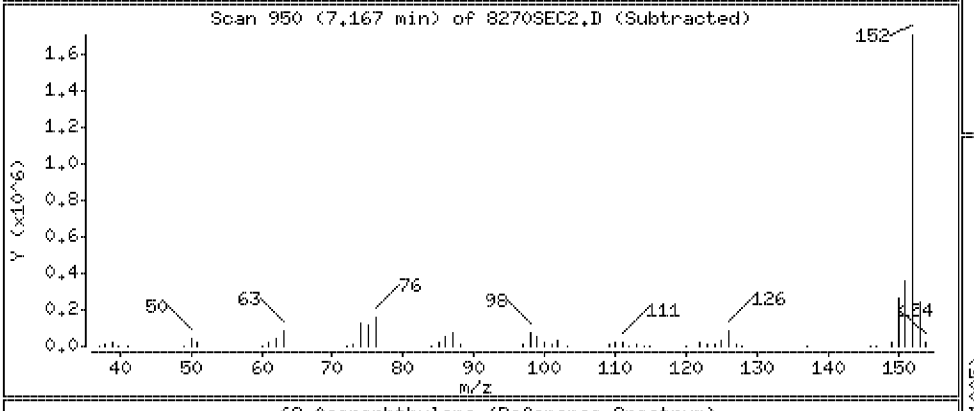
Column phase: HPMS-5

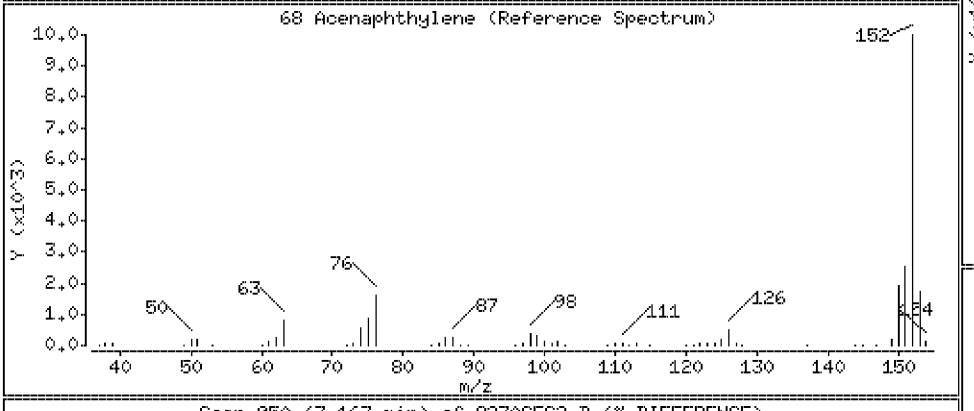
Column diameter: 0.25

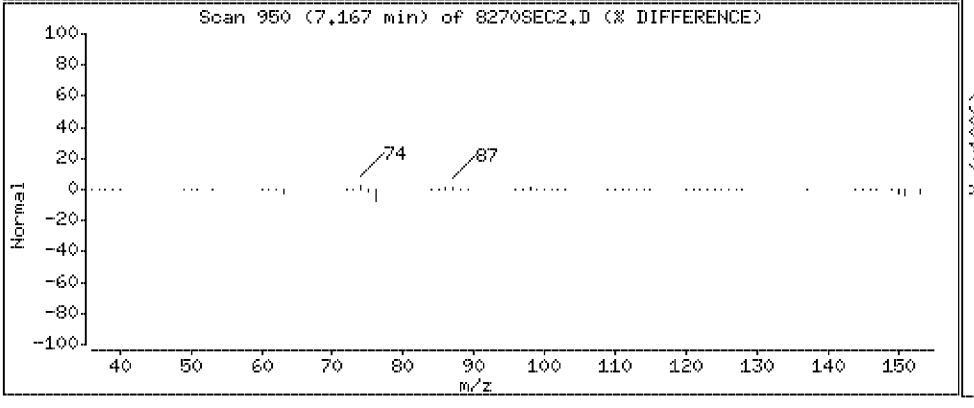
68 Acenaphthylene

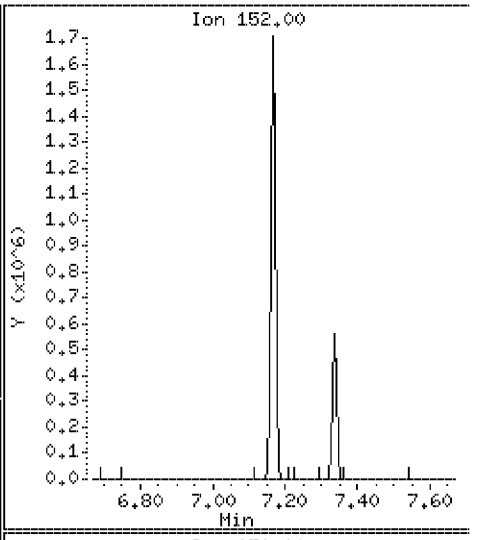
Concentration: 48.1 ug/l

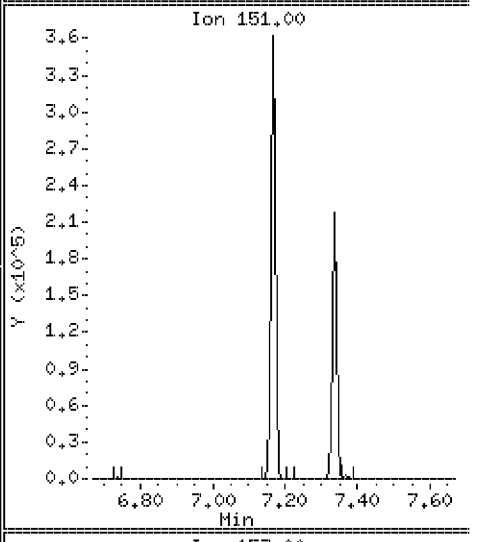


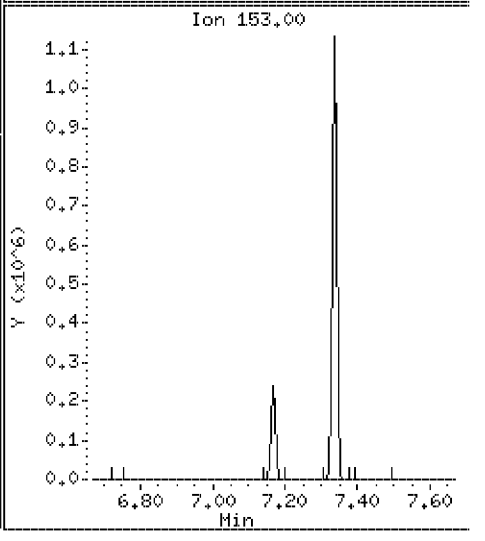












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

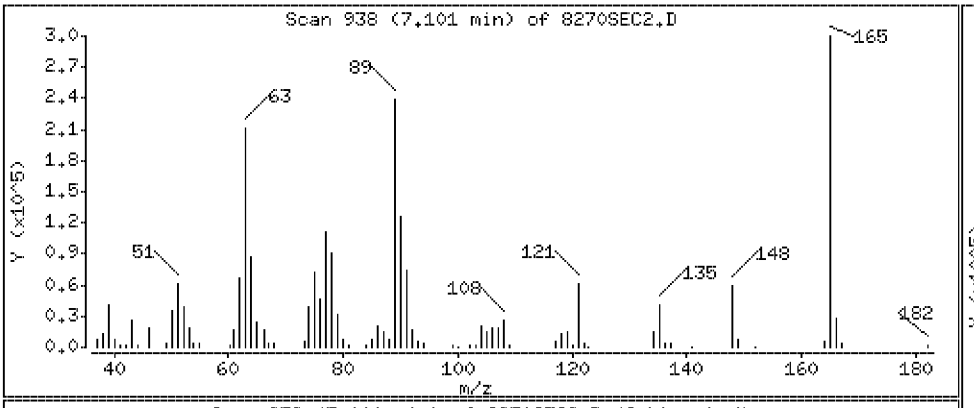
Operator: PEL

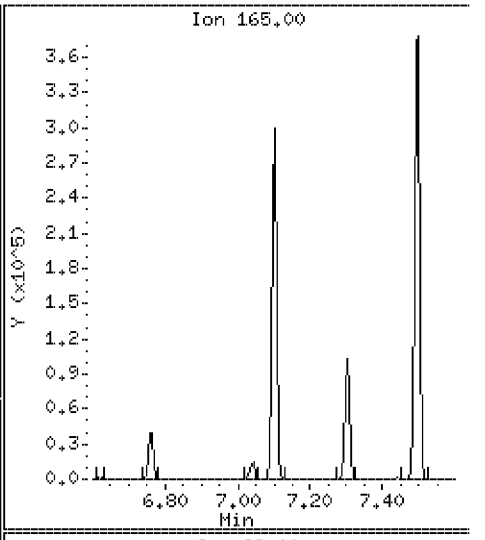
Column phase: HPMS-5

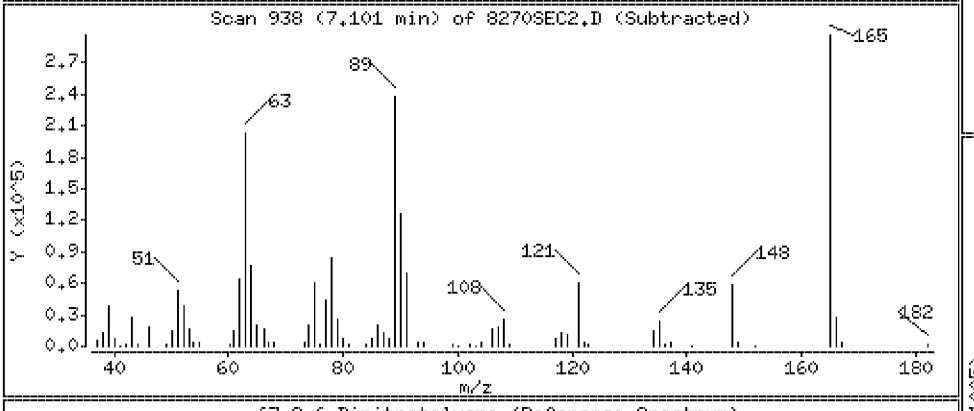
Column diameter: 0.25

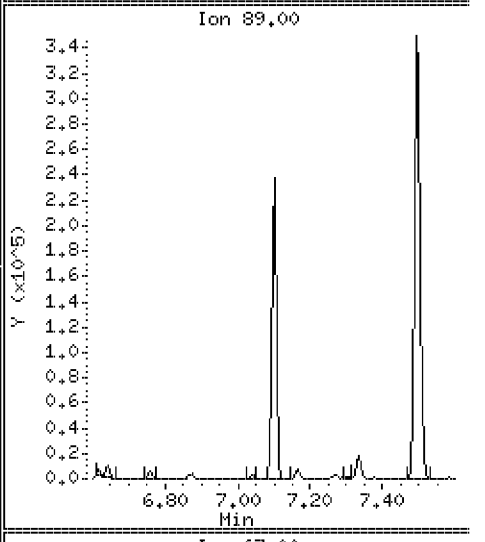
67 2,6-Dinitrotoluene

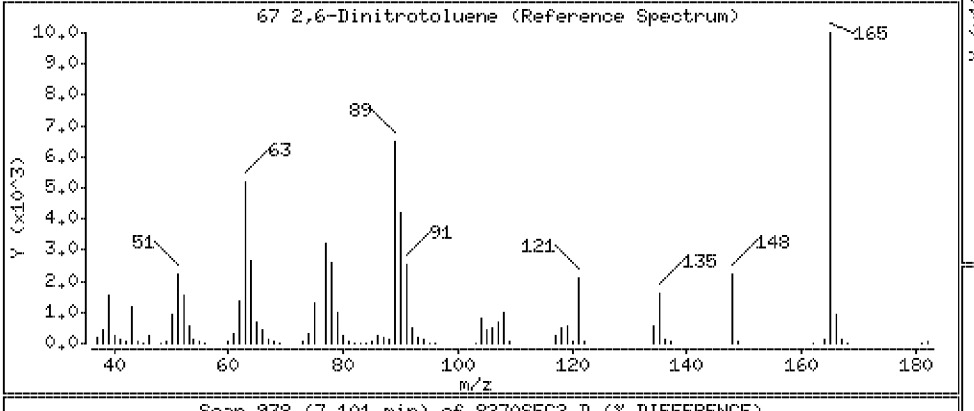
Concentration: 47.0 ug/l

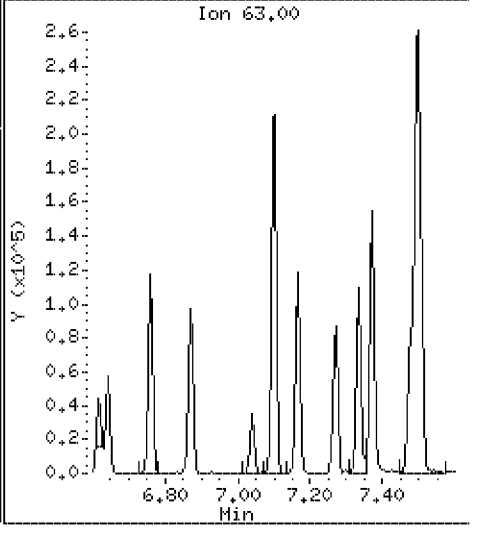


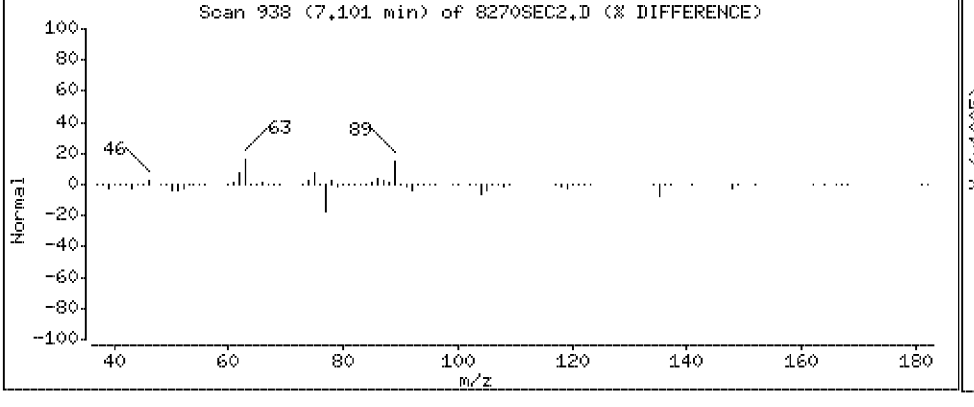












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

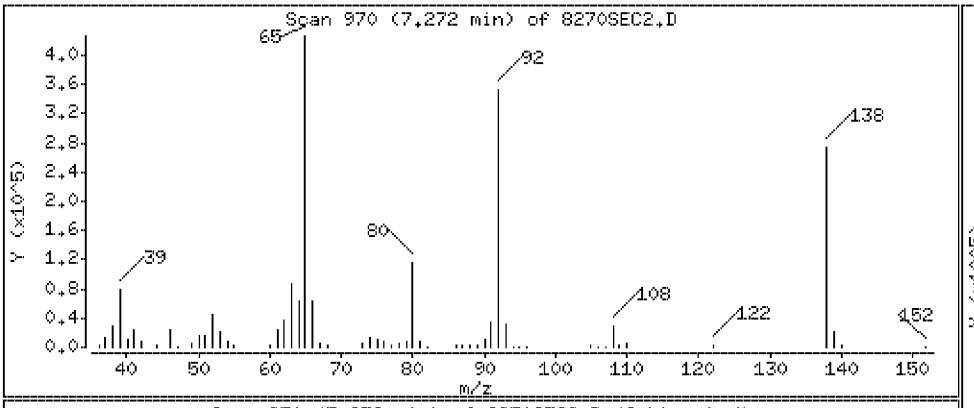
Operator: PEL

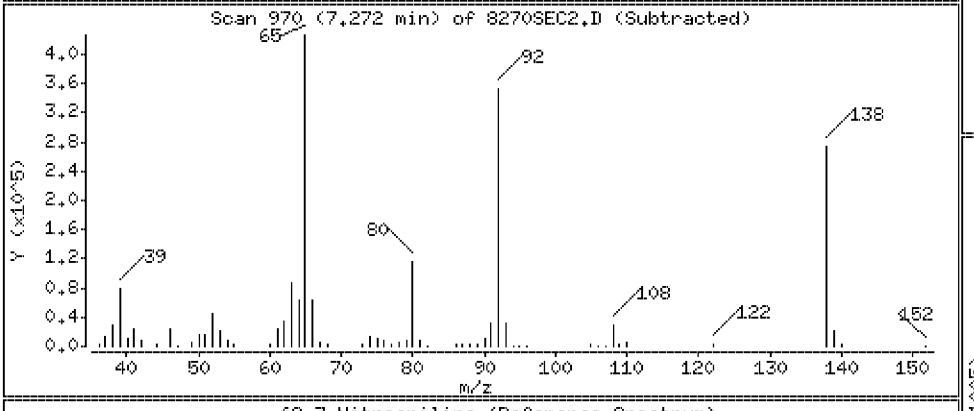
Column phase: HPMS-5

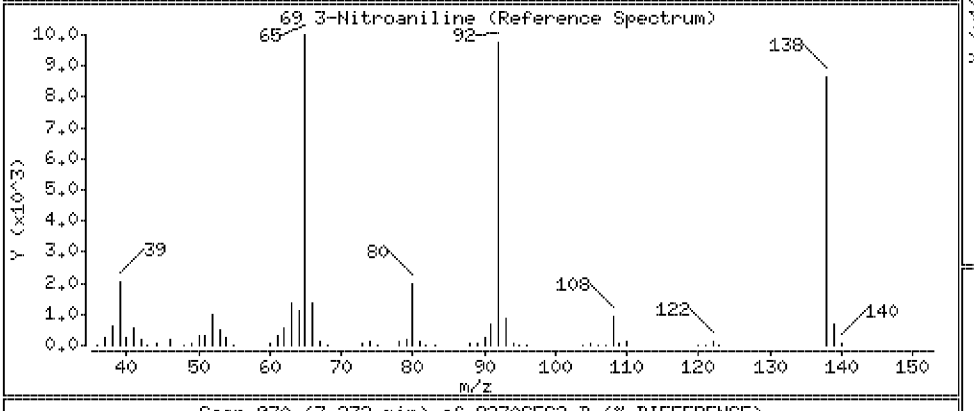
Column diameter: 0.25

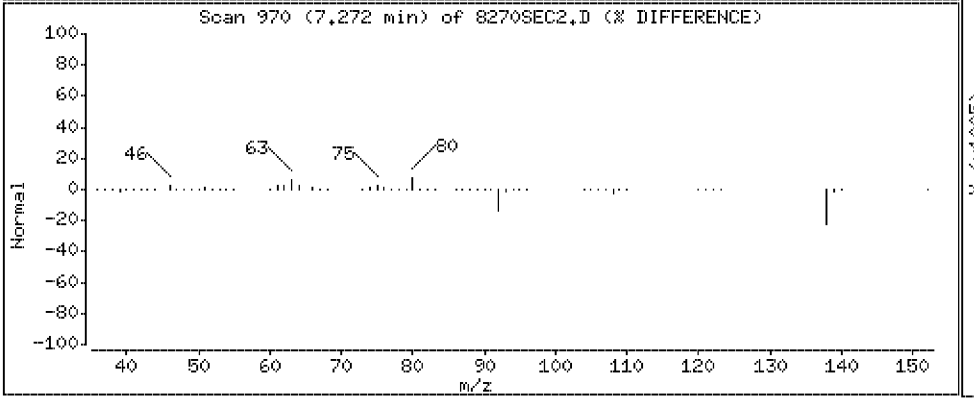
69 3-Nitroaniline

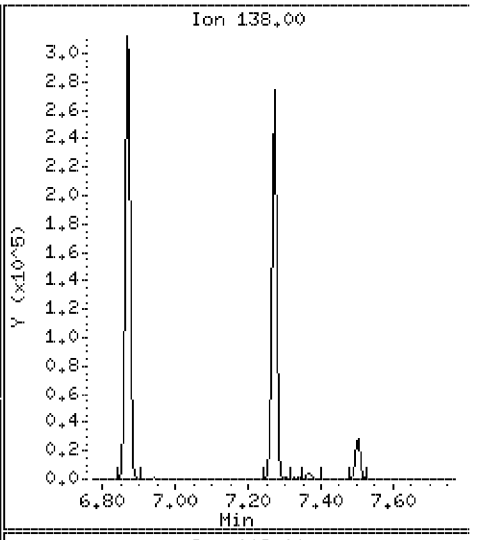
Concentration: 49.4 ug/l

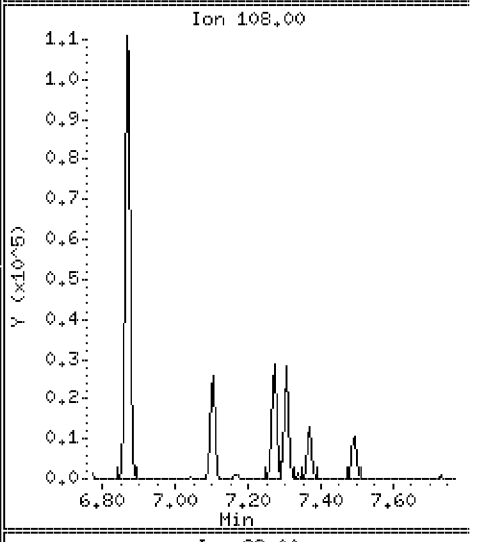


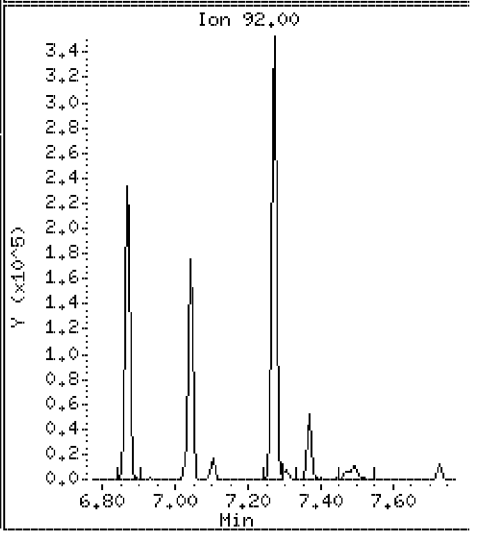












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

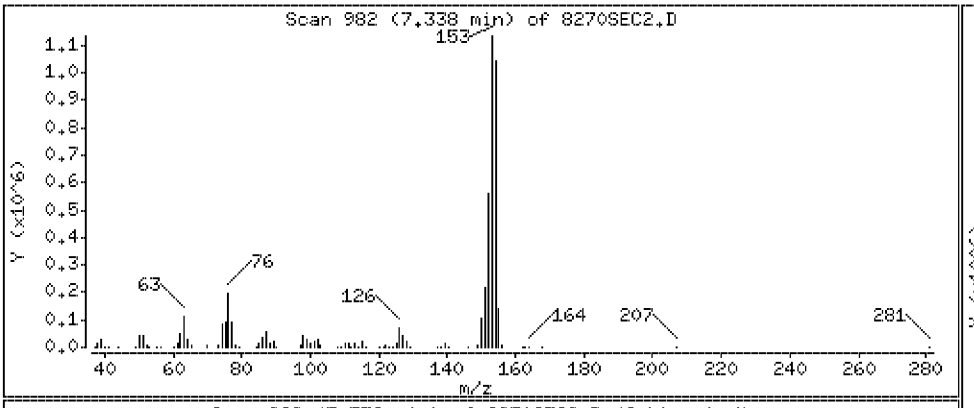
Operator: PEL

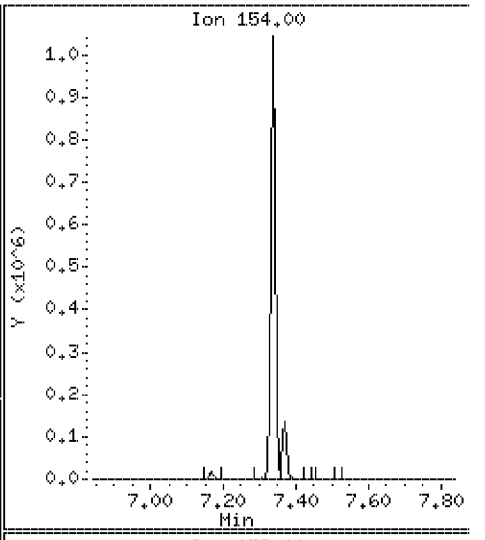
Column phase: HPMS-5

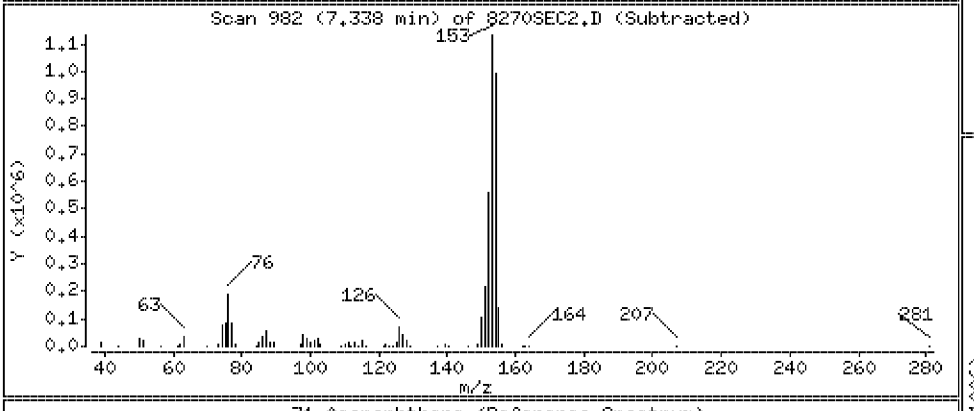
Column diameter: 0.25

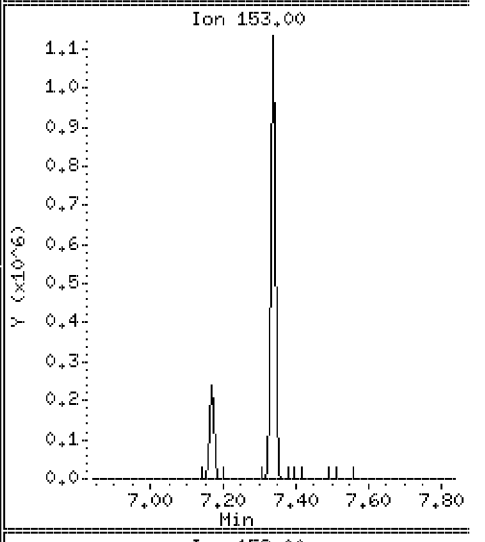
71 Acenaphthene

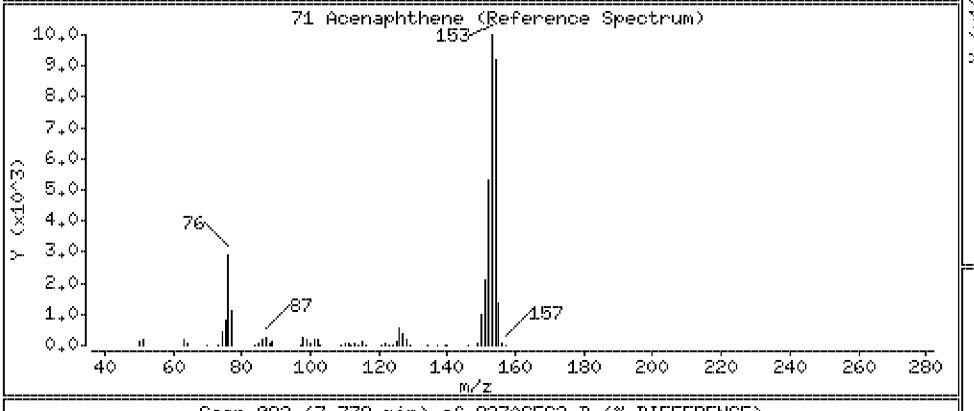
Concentration: 46.4 ug/l

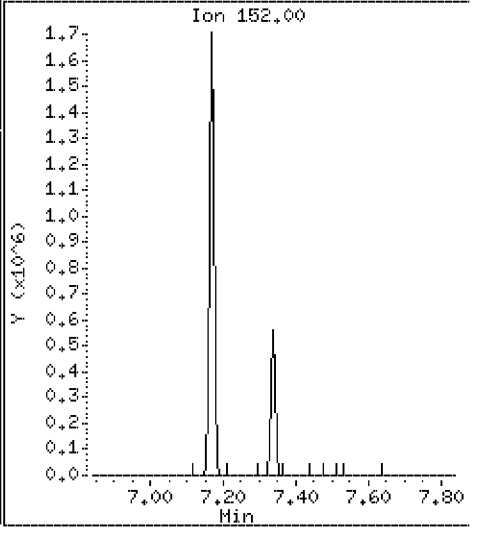


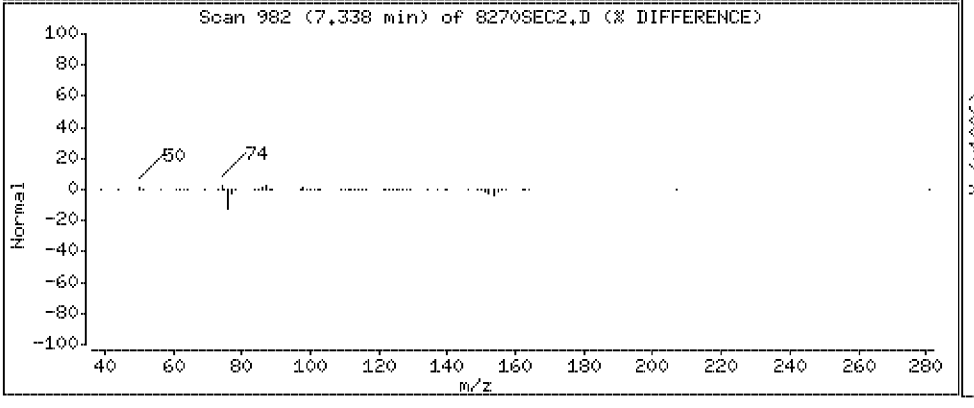












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

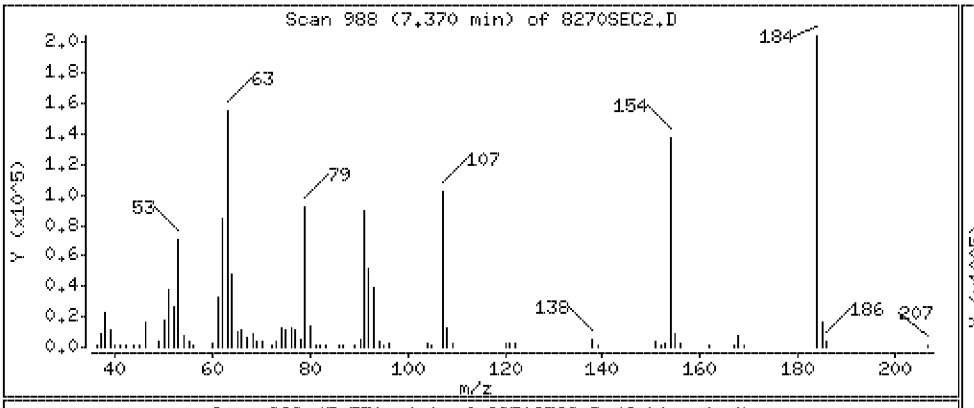
Operator: PEL

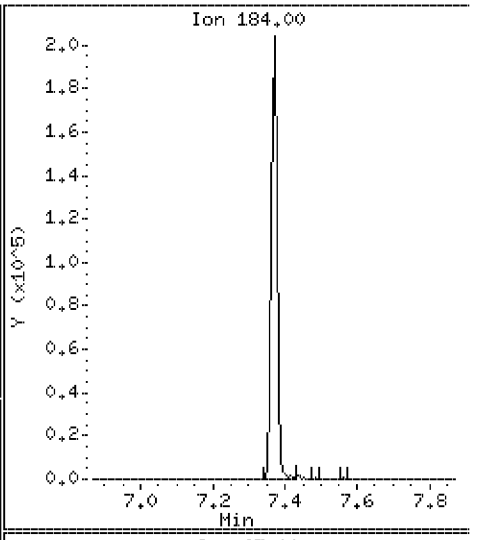
Column phase: HPMS-5

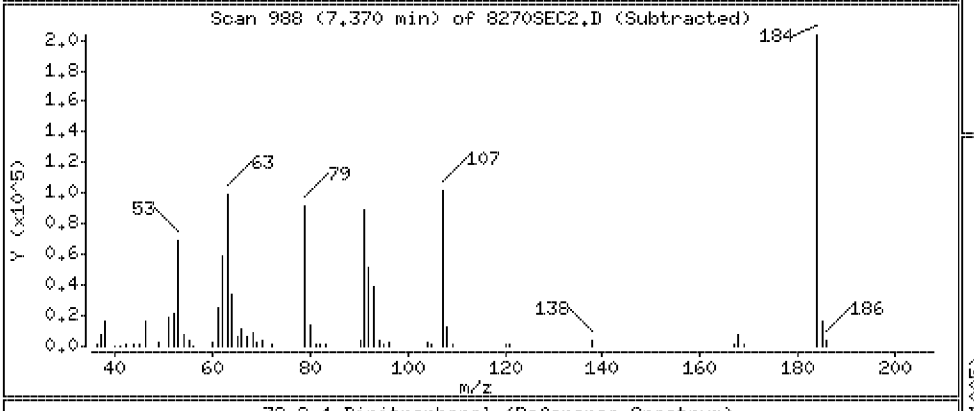
Column diameter: 0.25

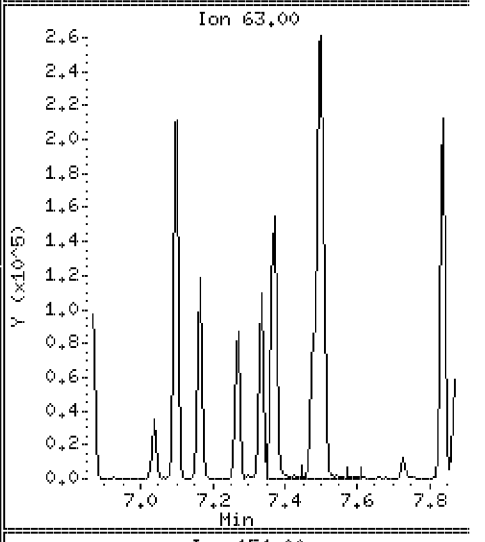
72 2,4-Dinitrophenol

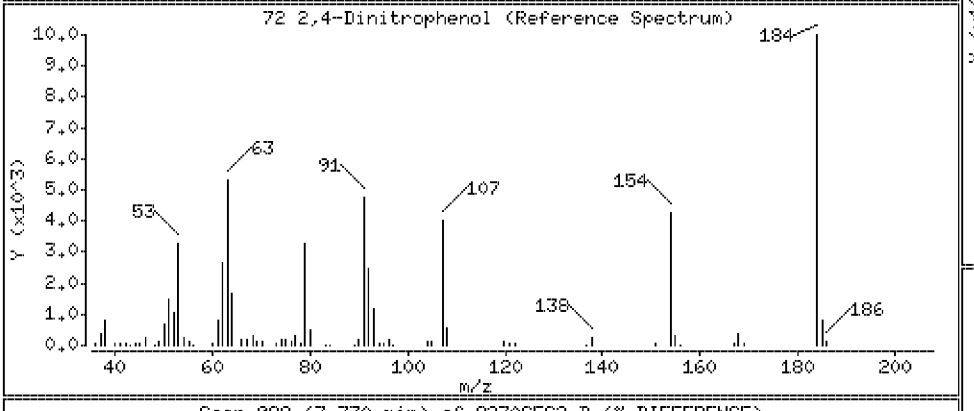
Concentration: 49.6 ug/l

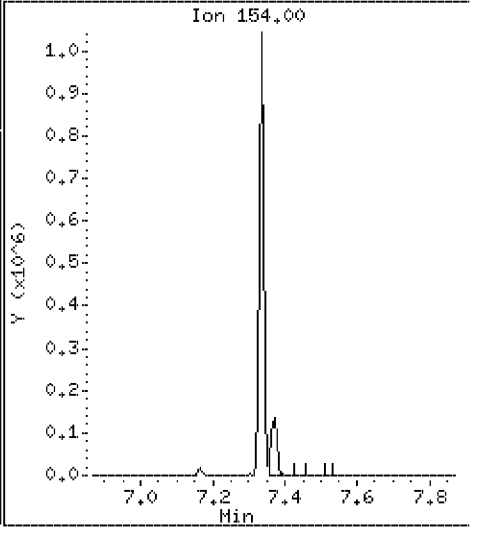


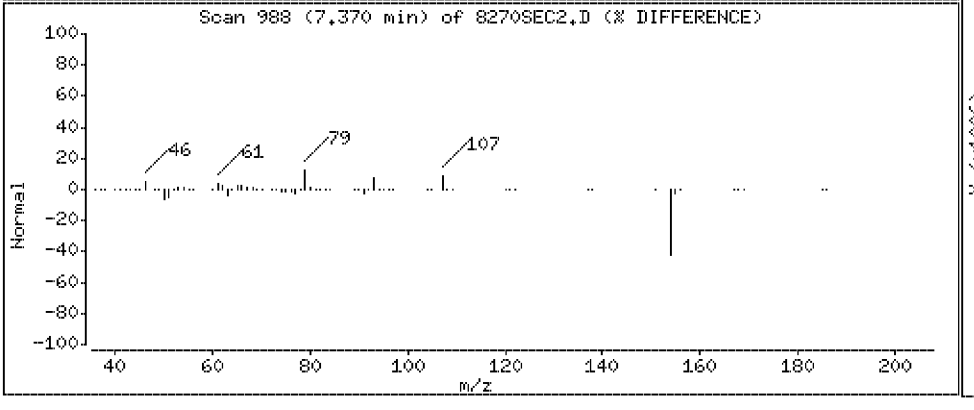












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

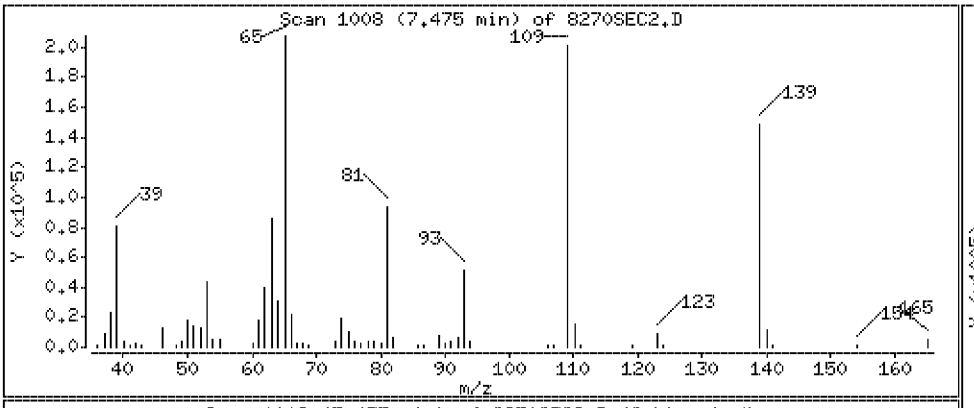
Operator: PEL

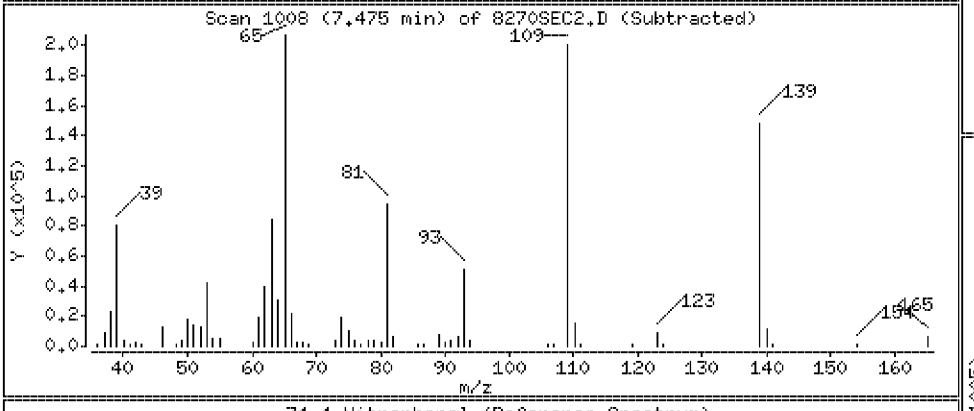
Column phase: HPMS-5

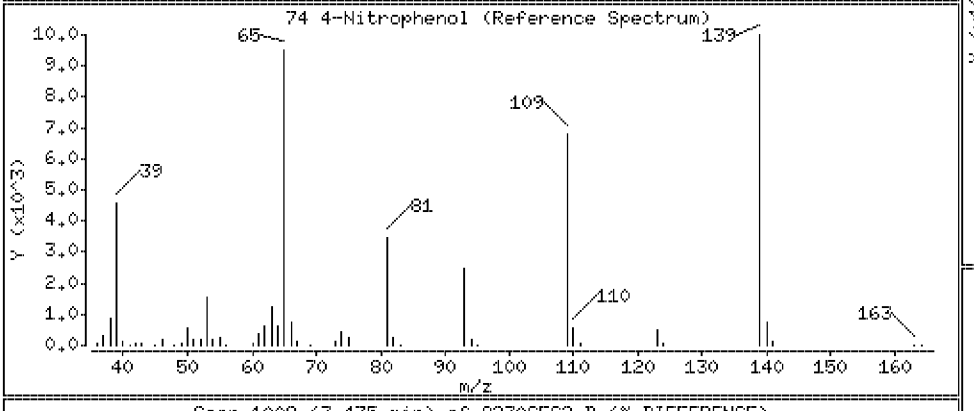
Column diameter: 0.25

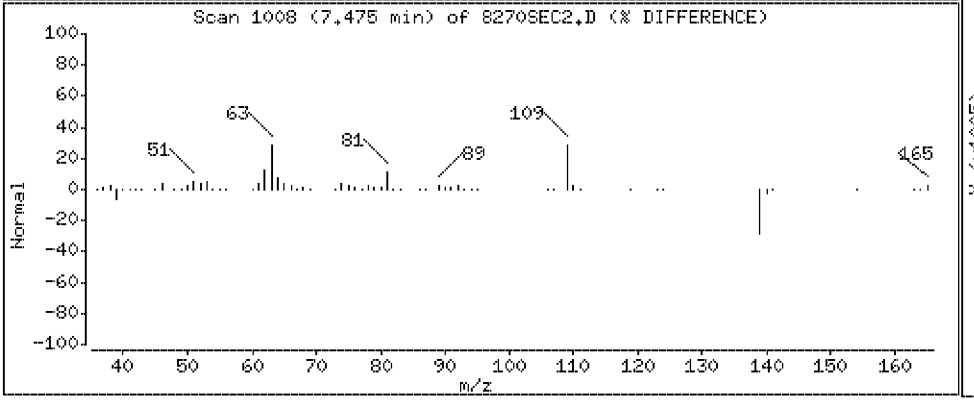
74 4-Nitrophenol

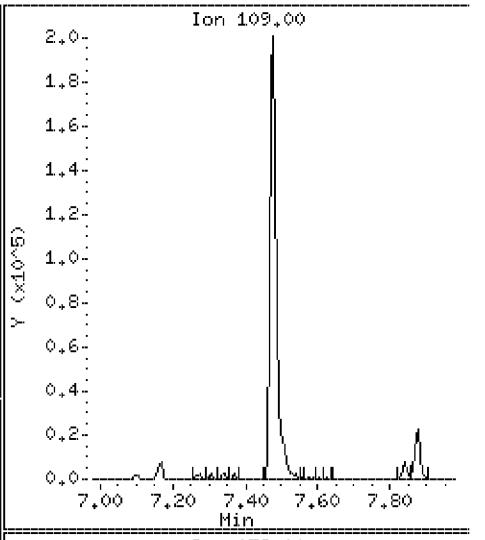
Concentration: 47.8 ug/l

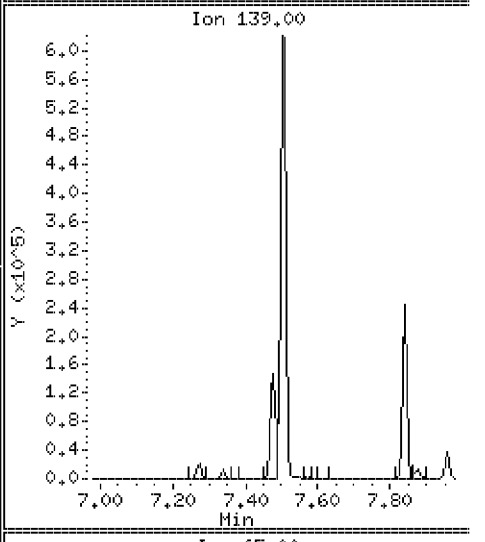


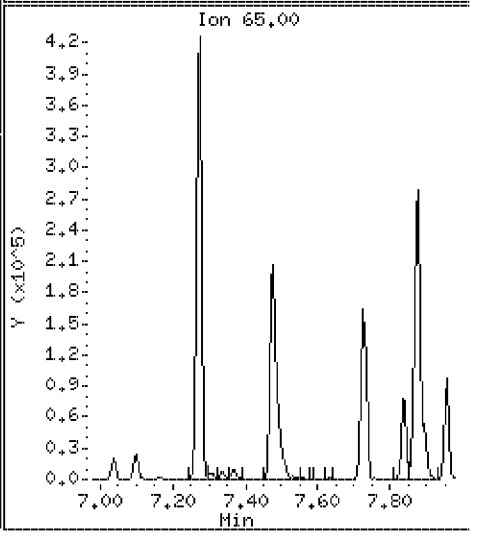












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

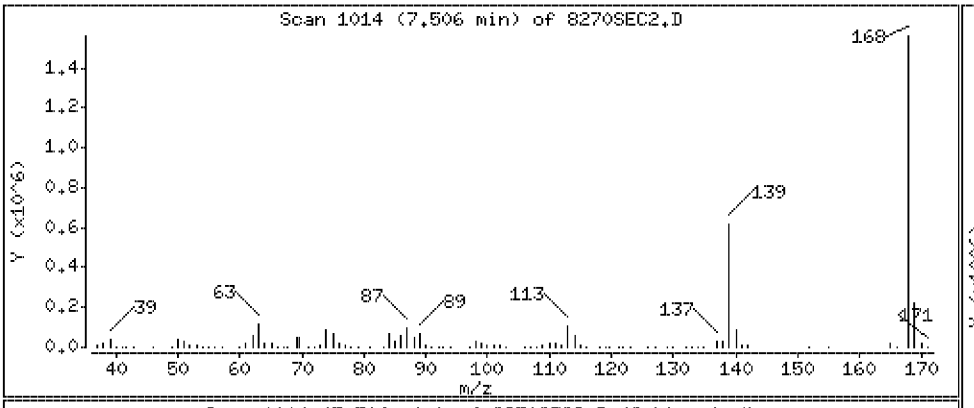
Operator: PEL

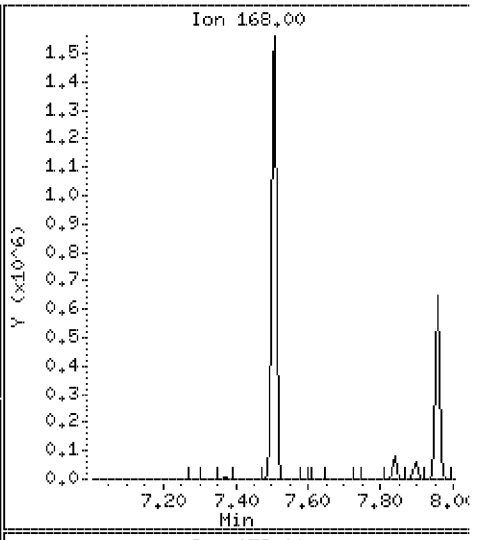
Column phase: HPMS-5

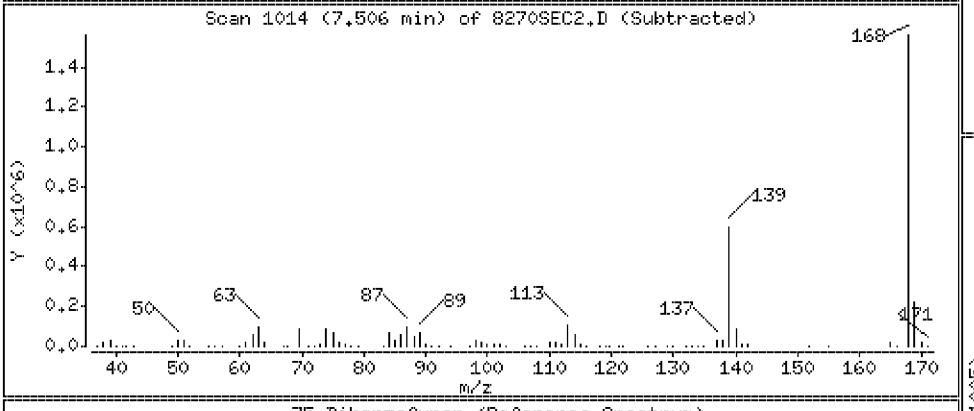
Column diameter: 0.25

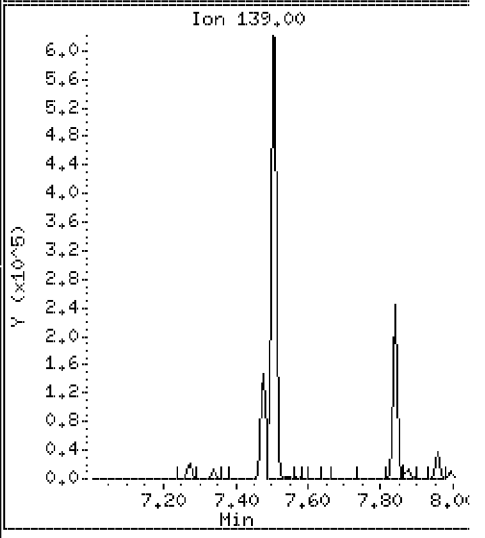
75 Dibenzofuran

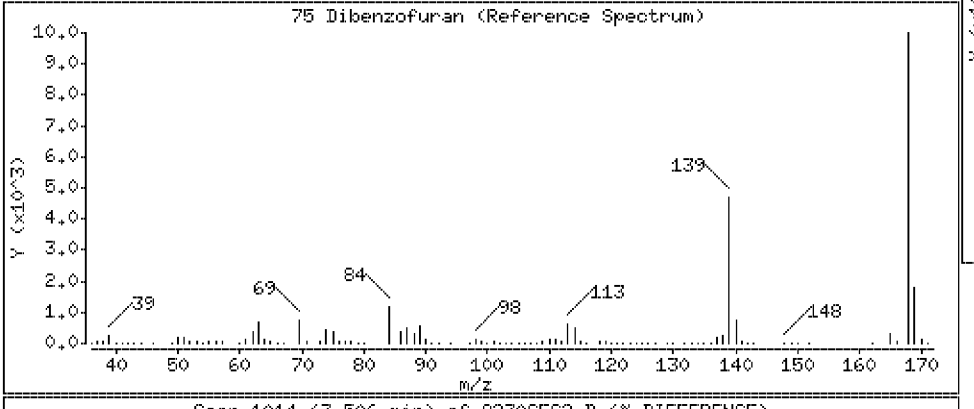
Concentration: 47.2 ug/l

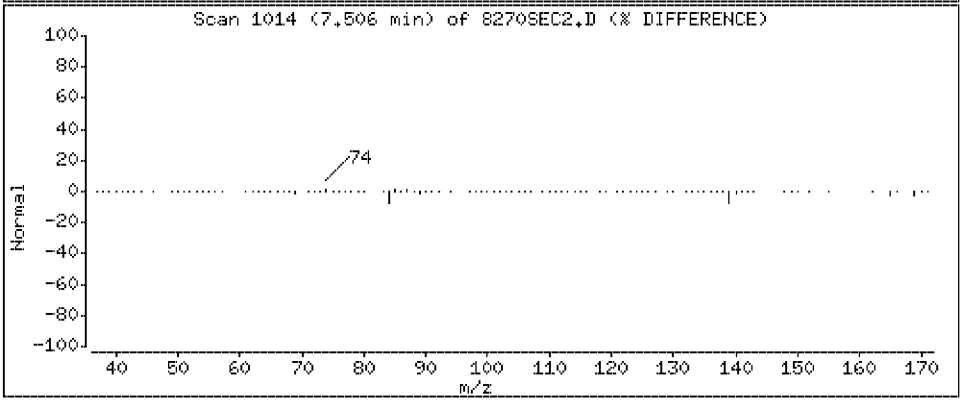












Date : 23-APR-2012 13:33

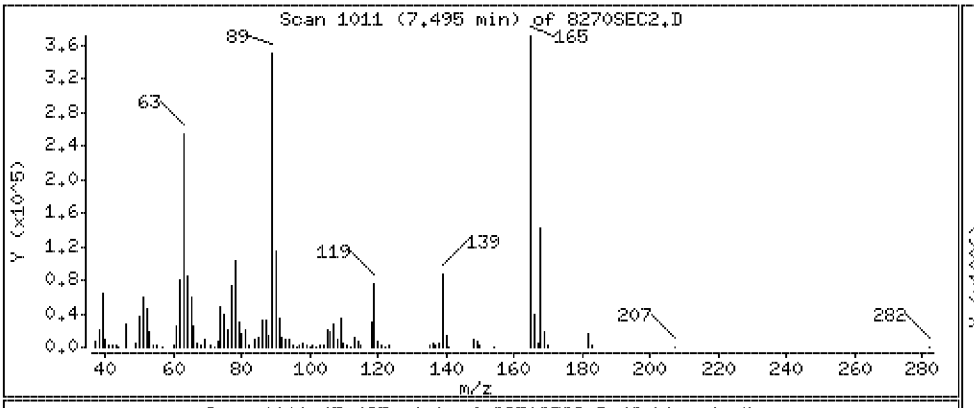
Client ID: 8270SEC Instrument: smsd03.i

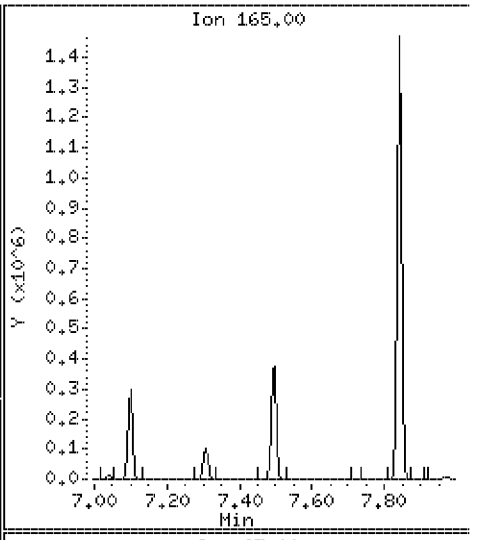
Sample Info: 45872

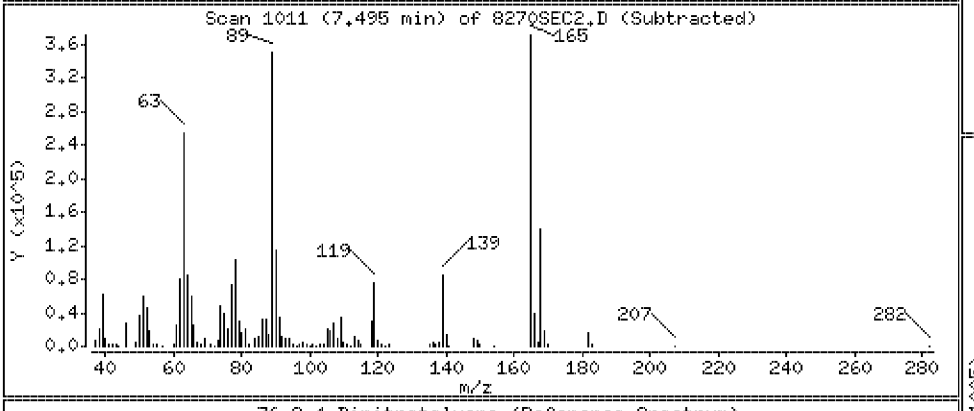
Purge Volume: 1000.0 Operator: PEL

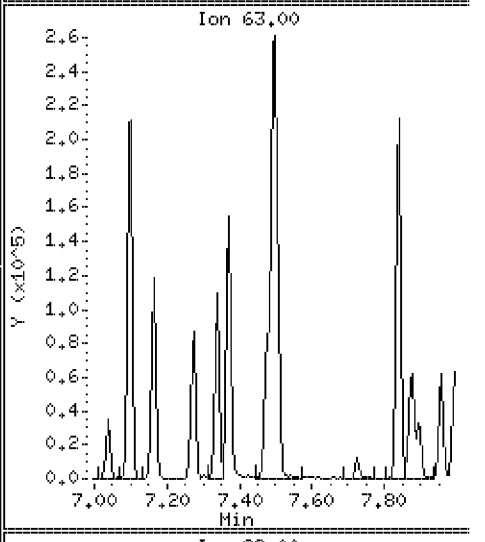
Column phase: HPMS-5 Column diameter: 0.25

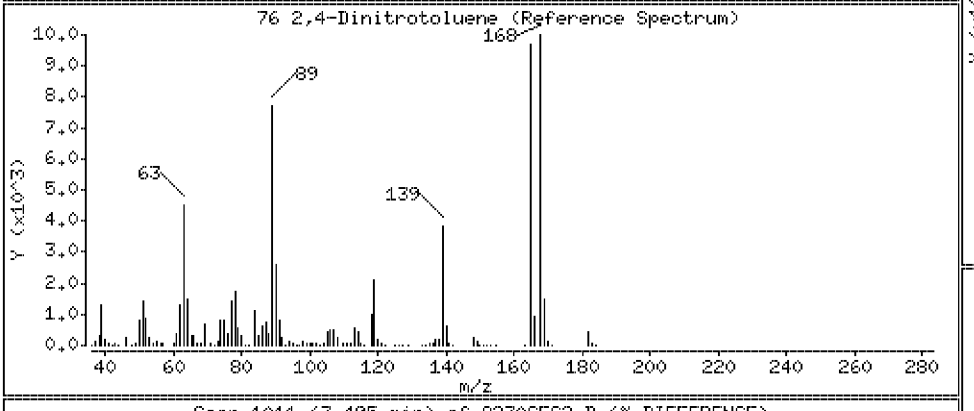
76 2,4-Dinitrotoluene Concentration: 46.6 ug/l

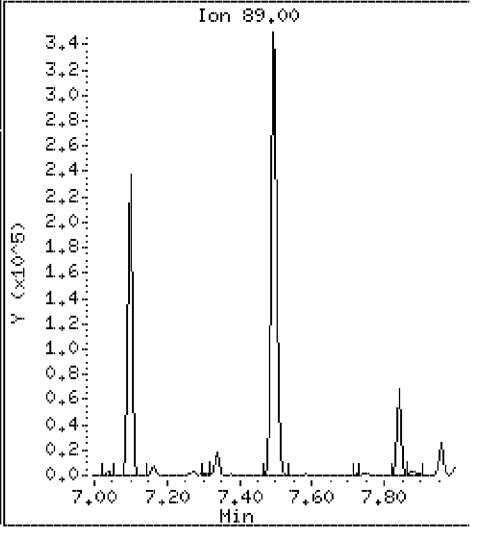


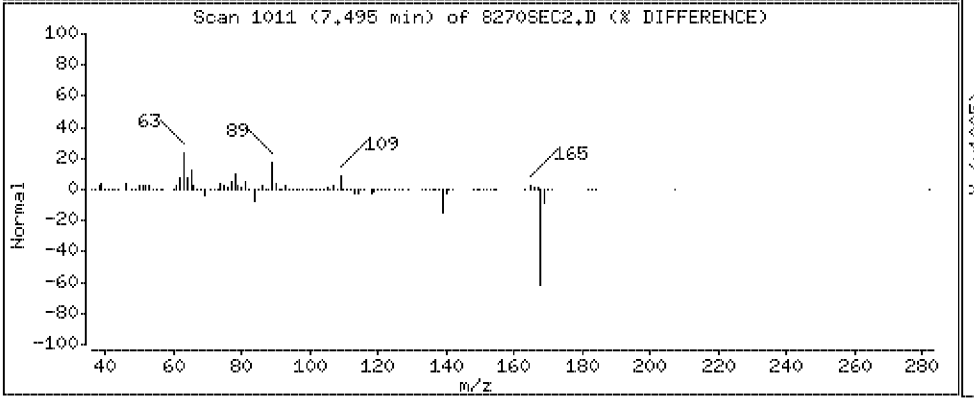












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

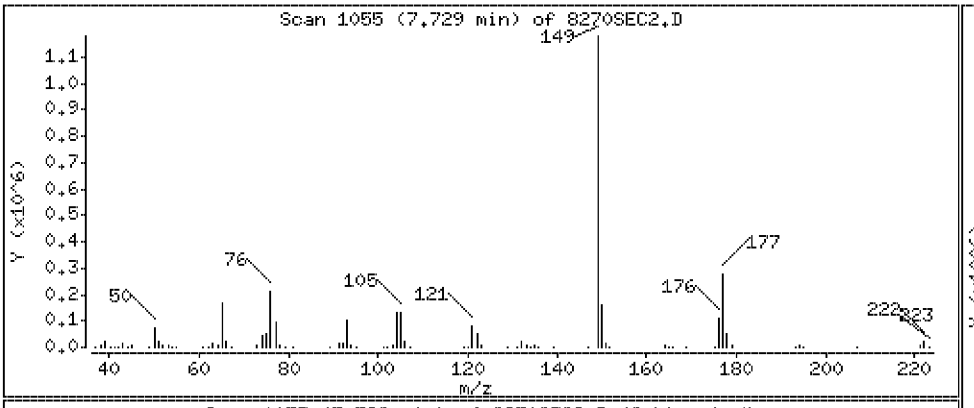
Operator: PEL

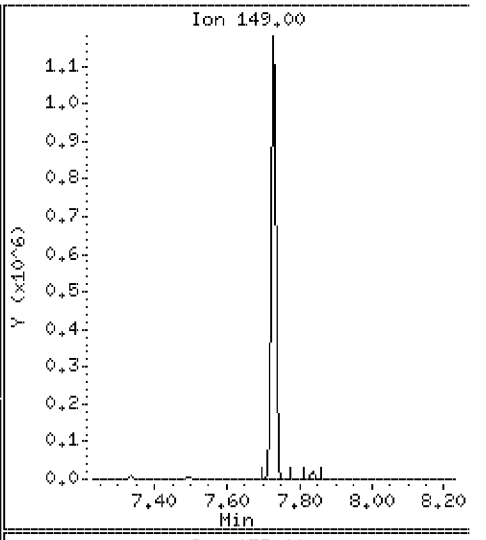
Column phase: HPMS-5

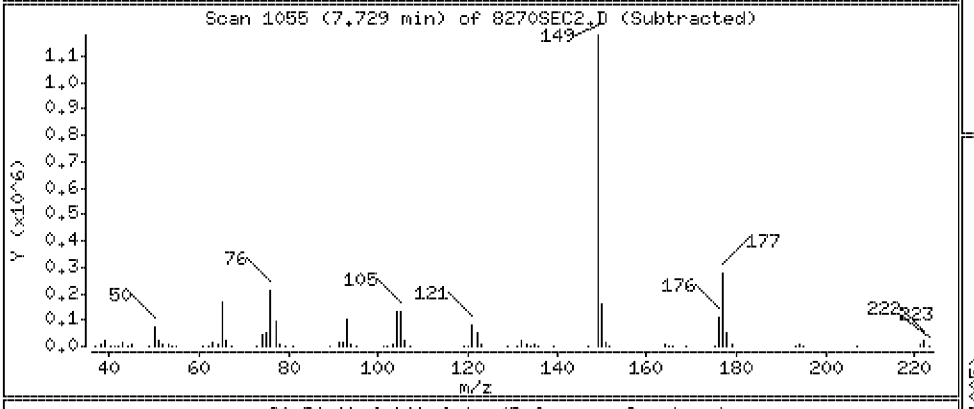
Column diameter: 0.25

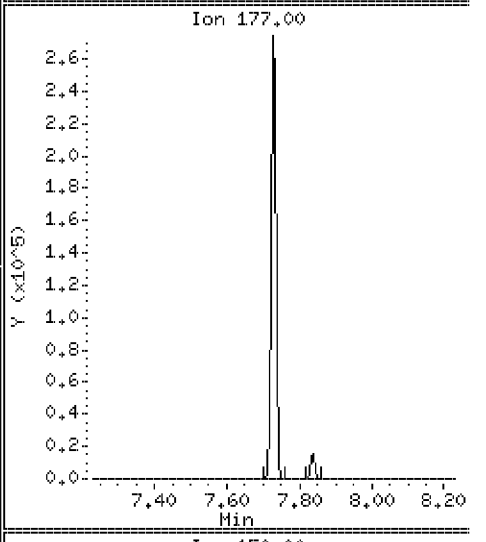
80 Diethylphthalate

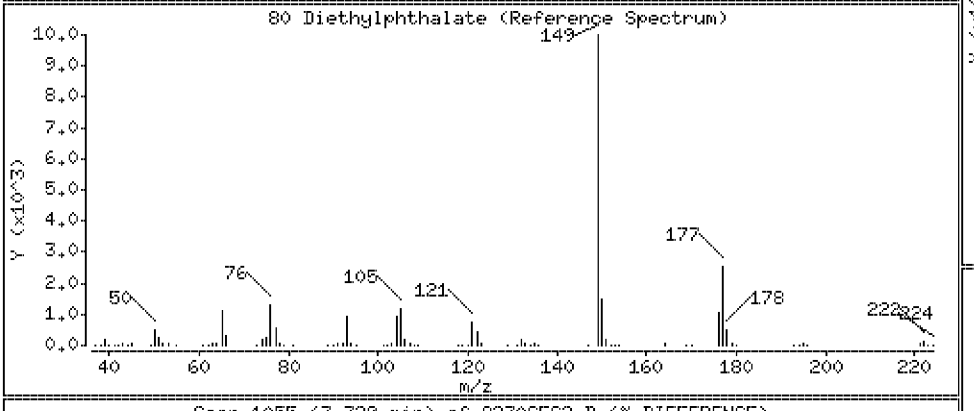
Concentration: 47.1 ug/l

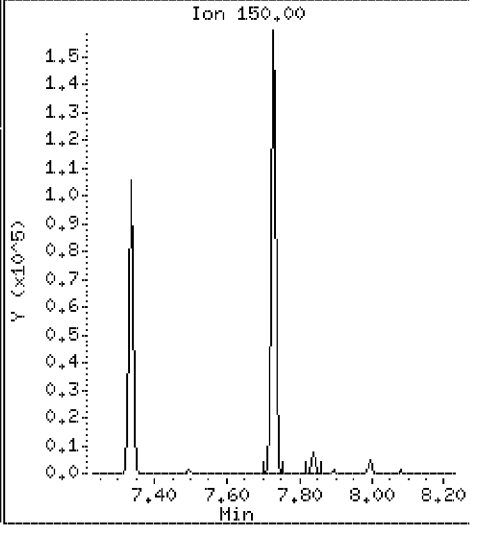


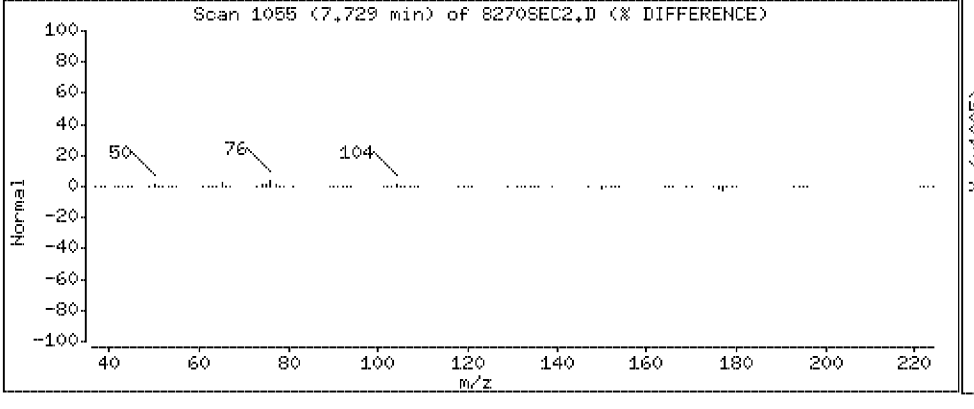












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

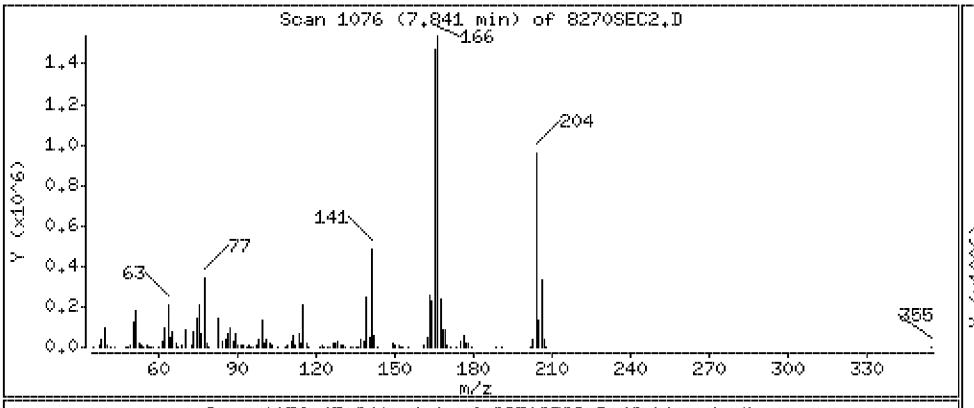
Operator: PEL

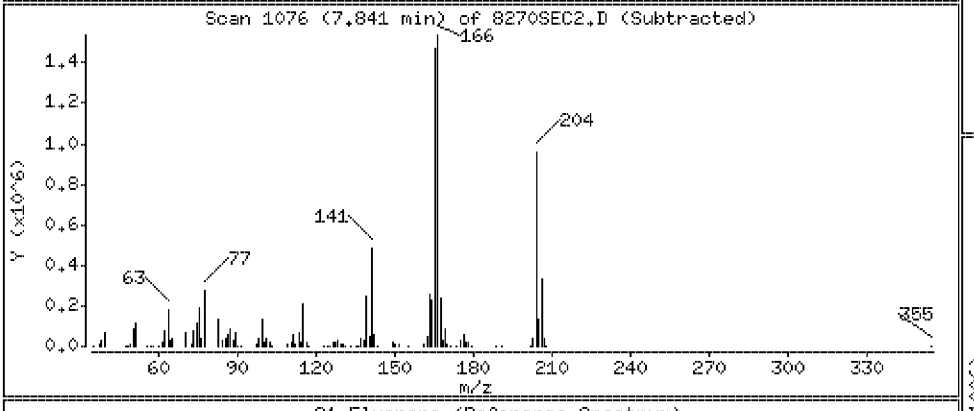
Column phase: HPMS-5

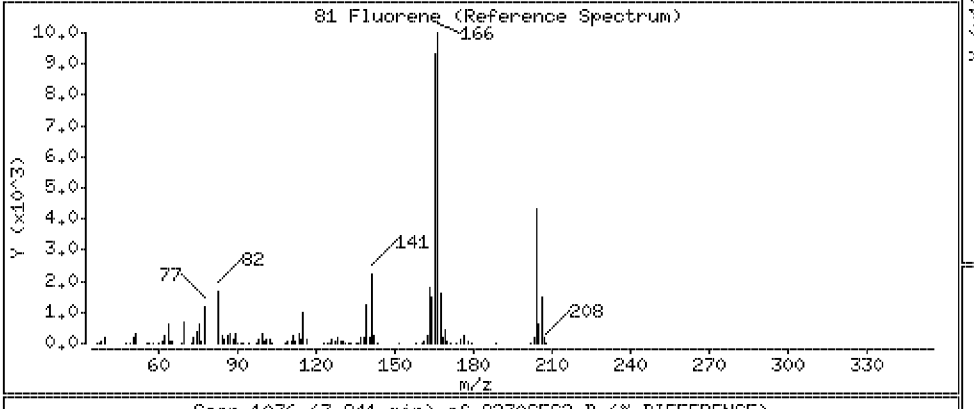
Column diameter: 0.25

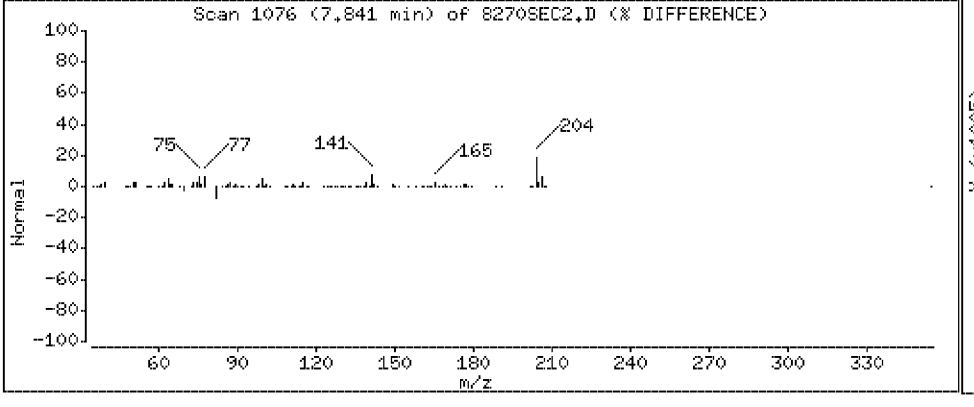
81 Fluorene

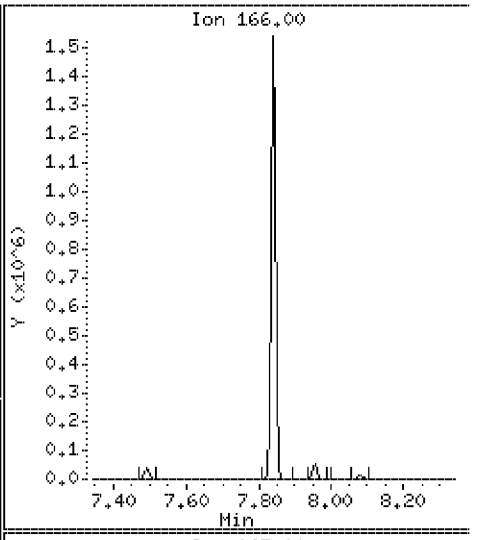
Concentration: 48.4 ug/l

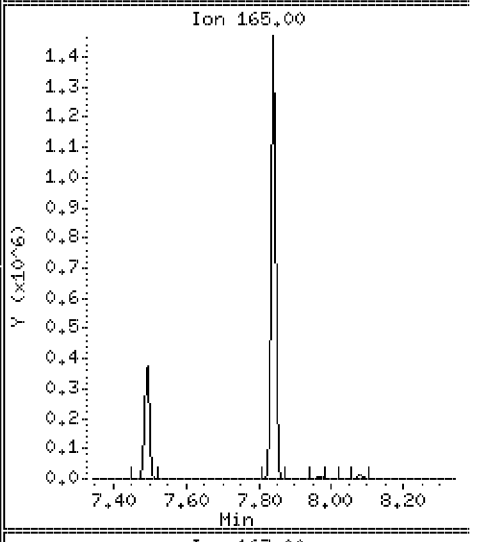


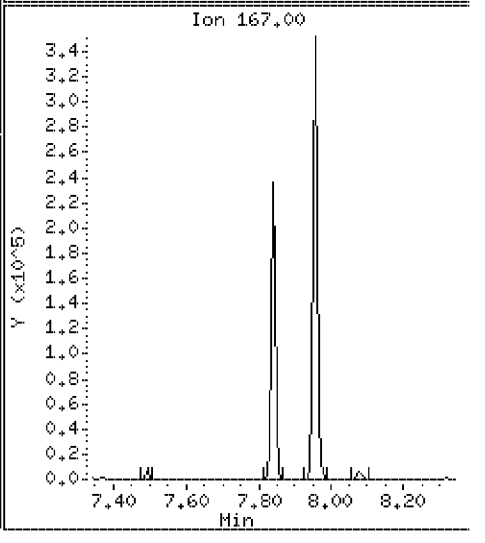












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Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

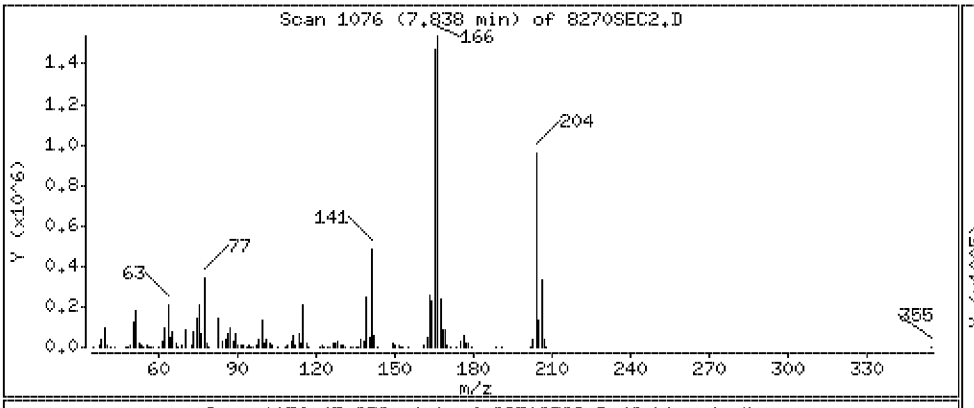
Operator: PEL

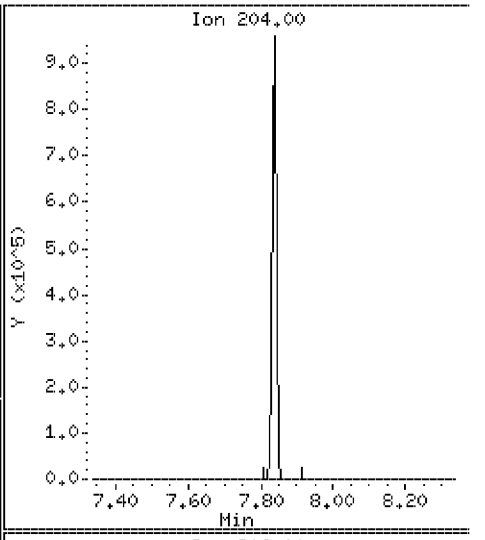
Column phase: HPMS-5

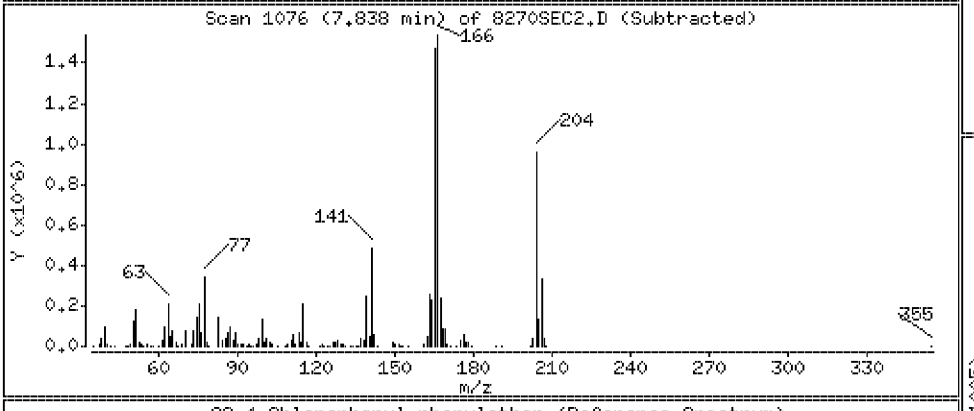
Column diameter: 0.25

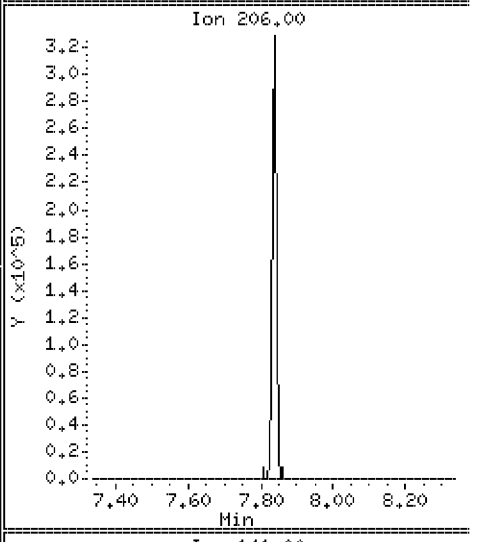
82 4-Chlorophenyl-phenylether

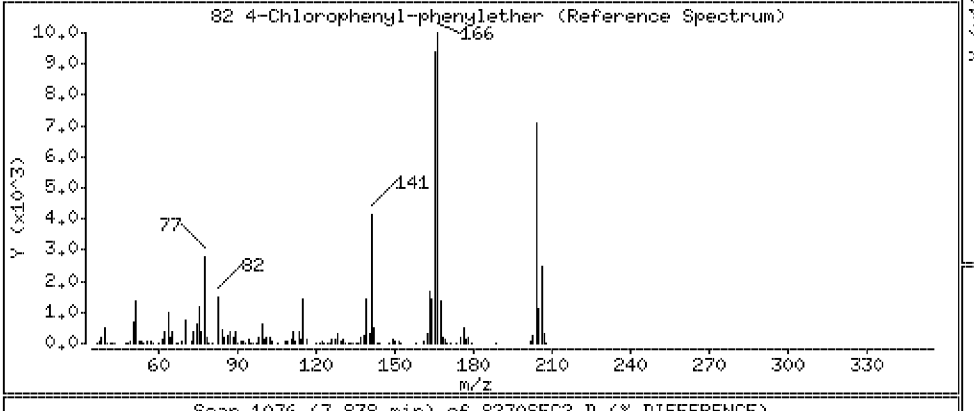
Concentration: 47.5 ug/l

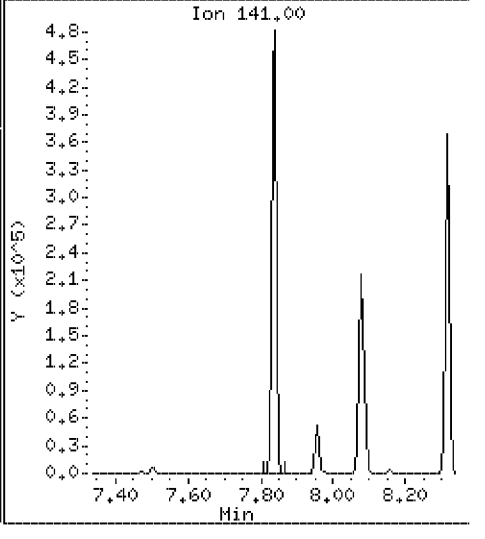


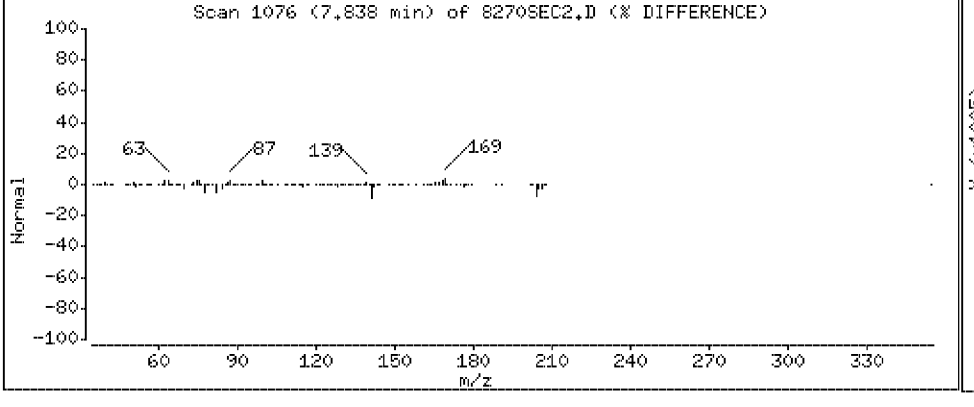












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

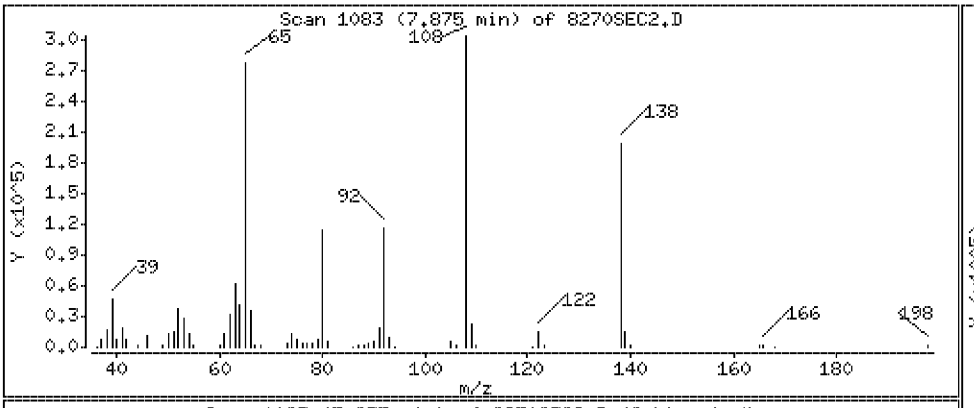
Operator: PEL

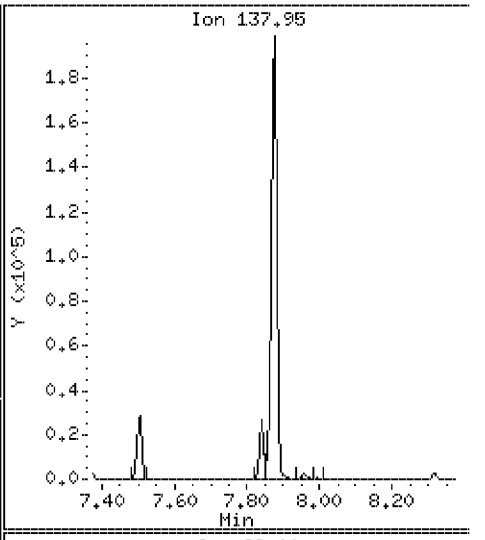
Column phase: HPMS-5

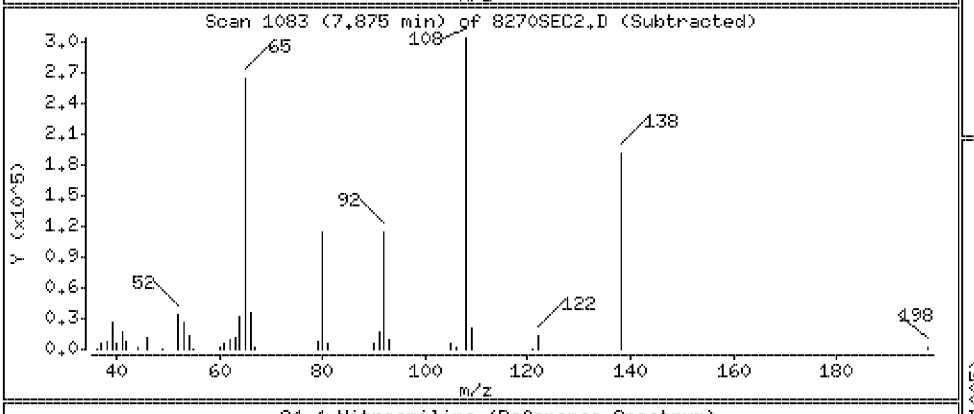
Column diameter: 0.25

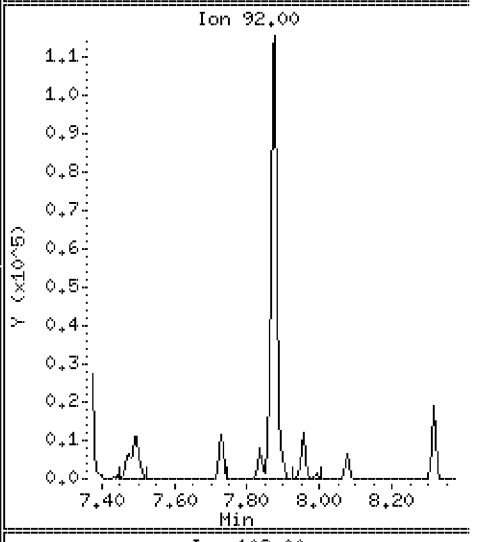
84 4-Nitroaniline

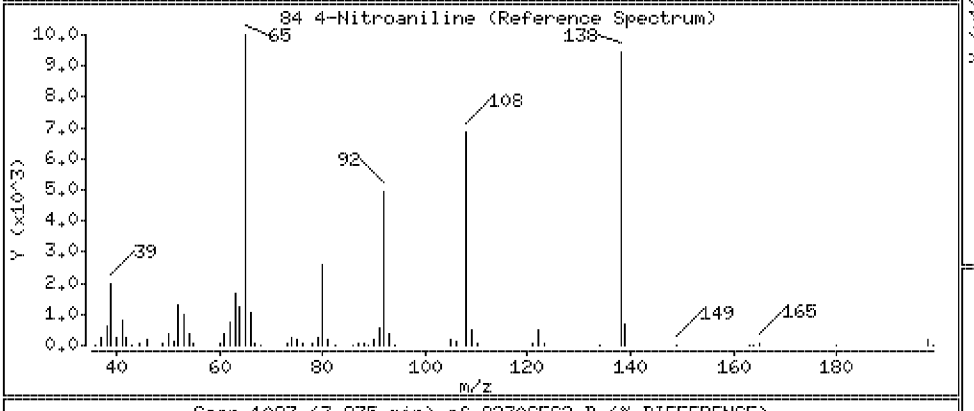
Concentration: 49.4 ug/l

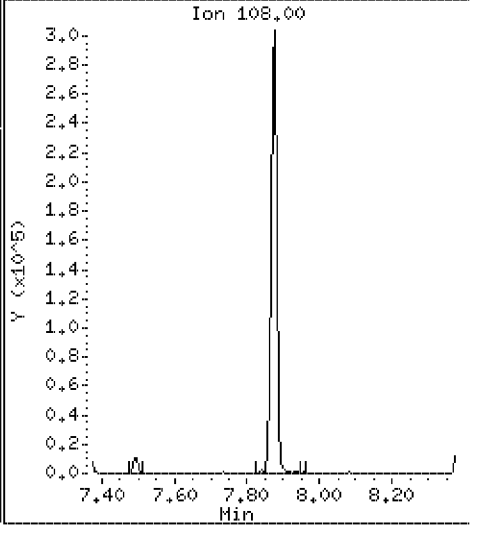


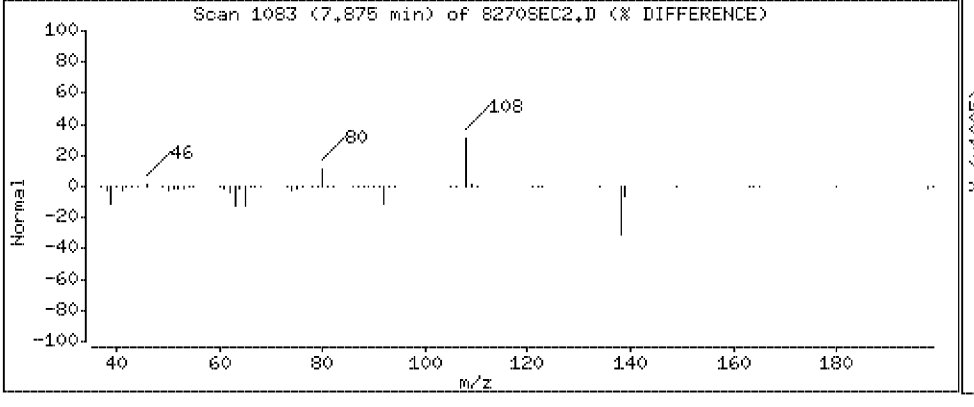












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

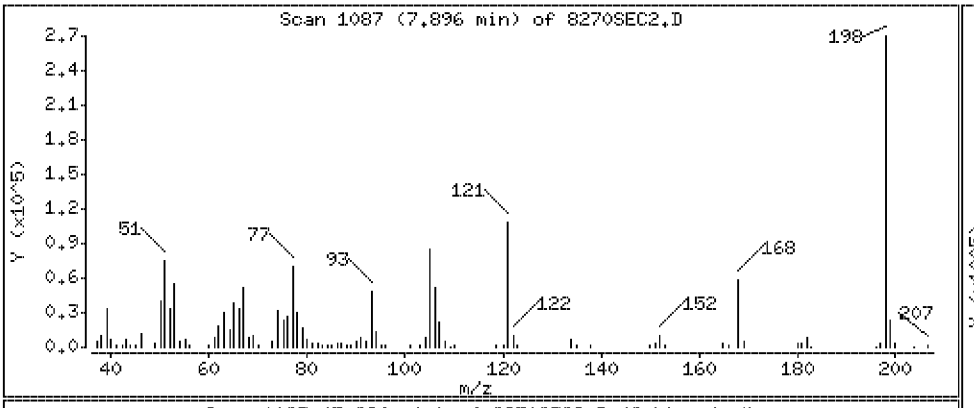
Operator: PEL

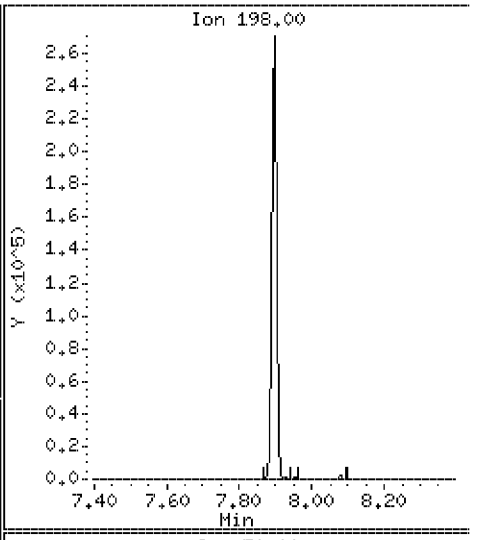
Column phase: HPMS-5

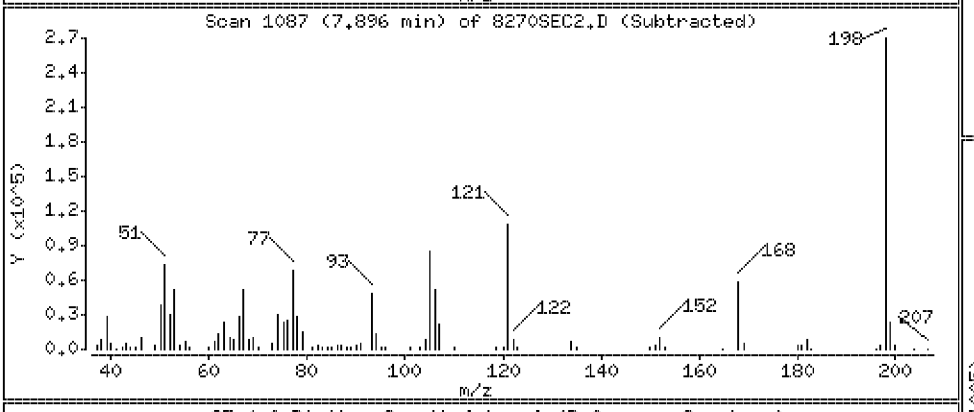
Column diameter: 0.25

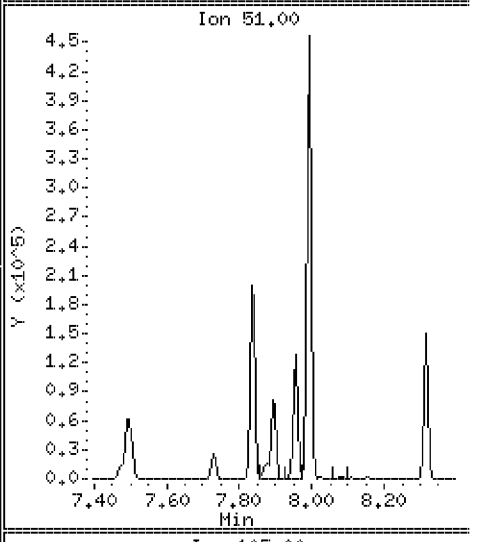
85 4,6-Dinitro-2-methylphenol

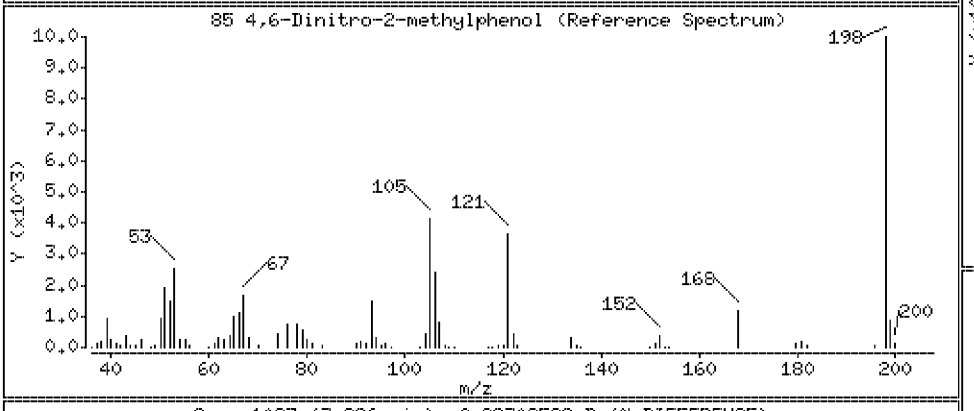
Concentration: 43.7 ug/l

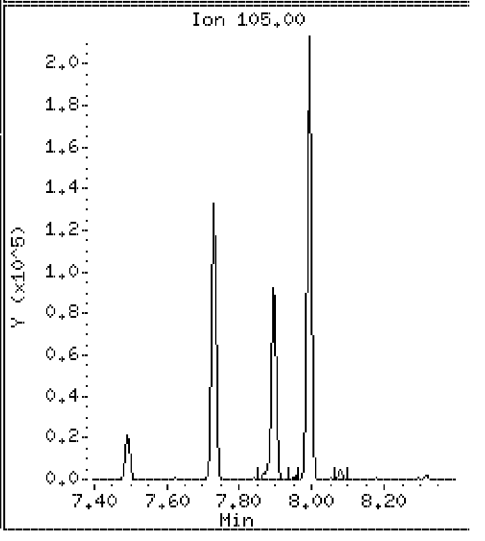


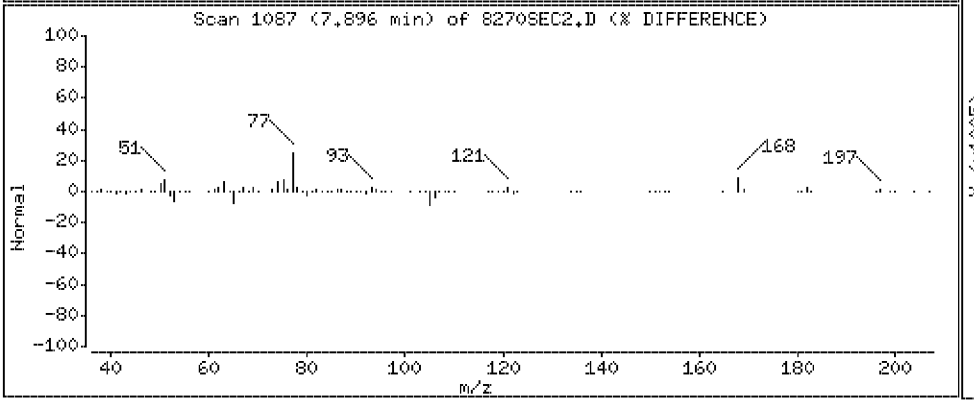












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

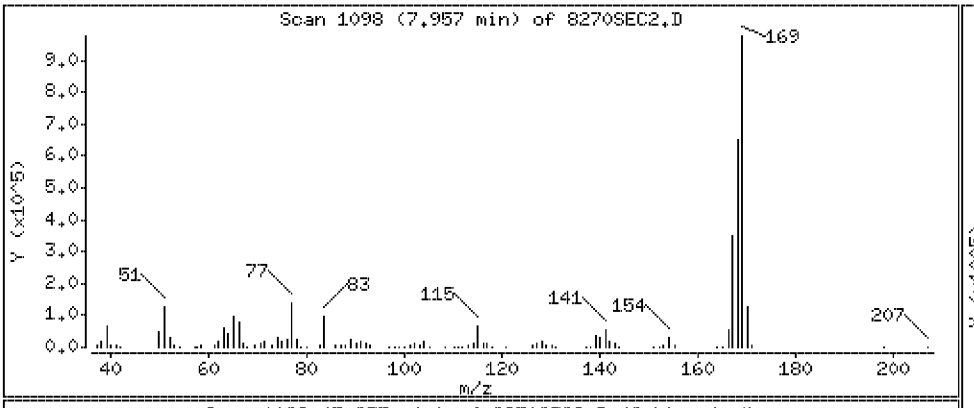
Operator: PEL

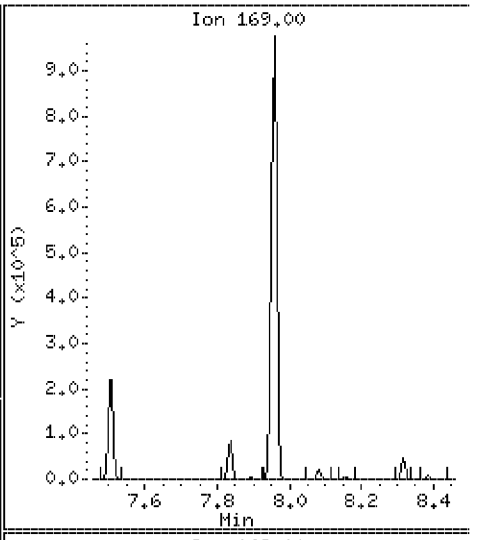
Column phase: HPMS-5

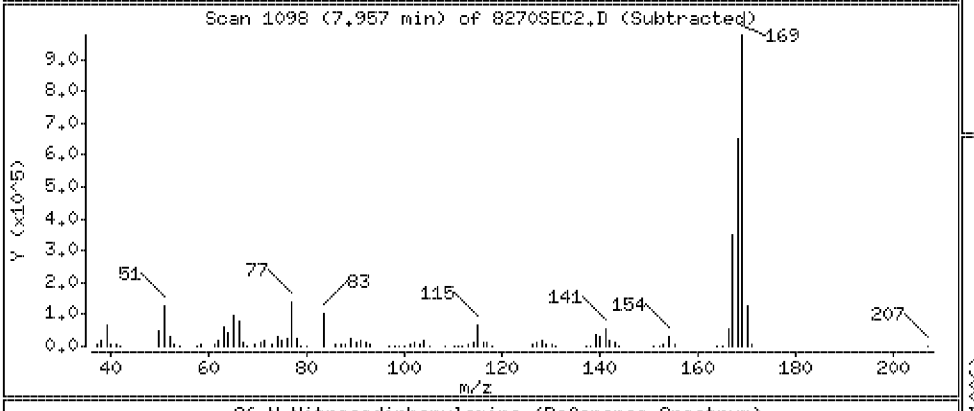
Column diameter: 0.25

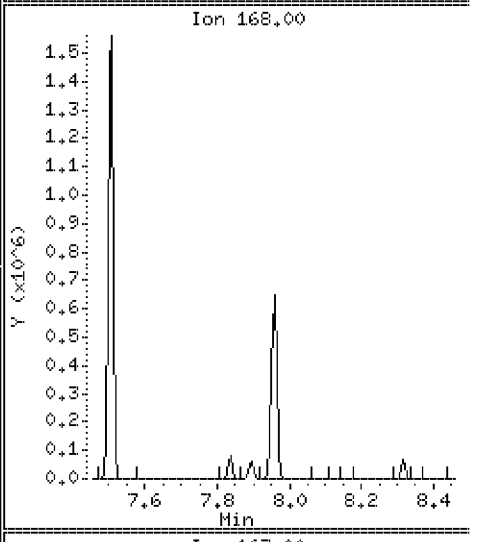
86 N-Nitrosodiphenylamine

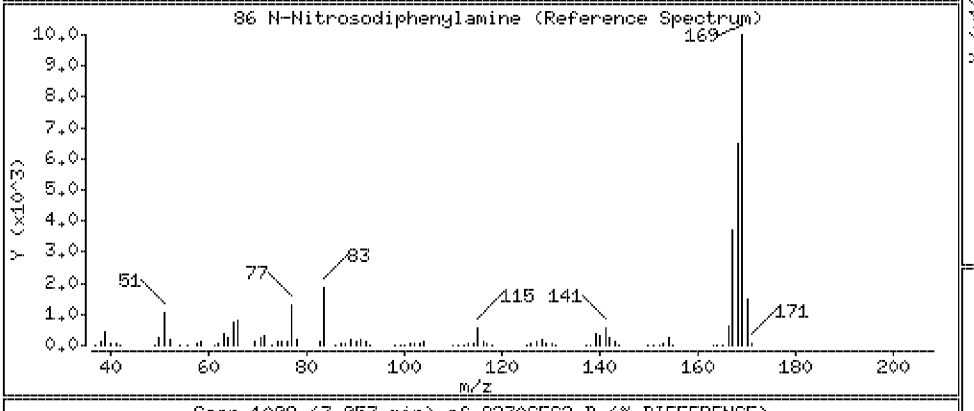
Concentration: 50.0 ug/l

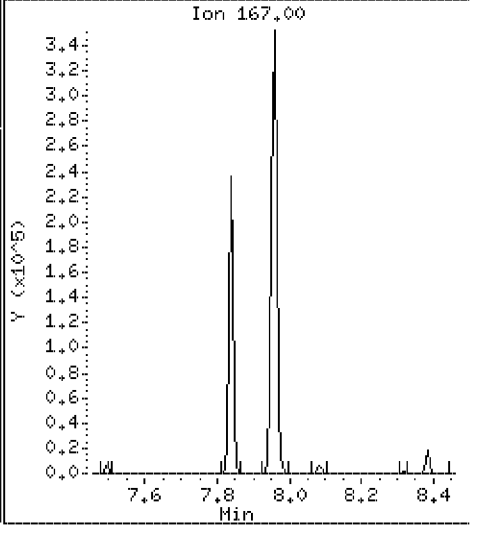


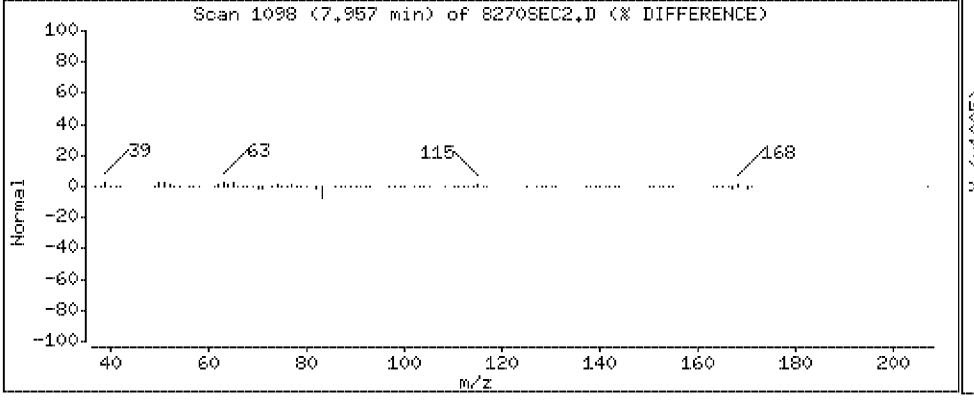












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

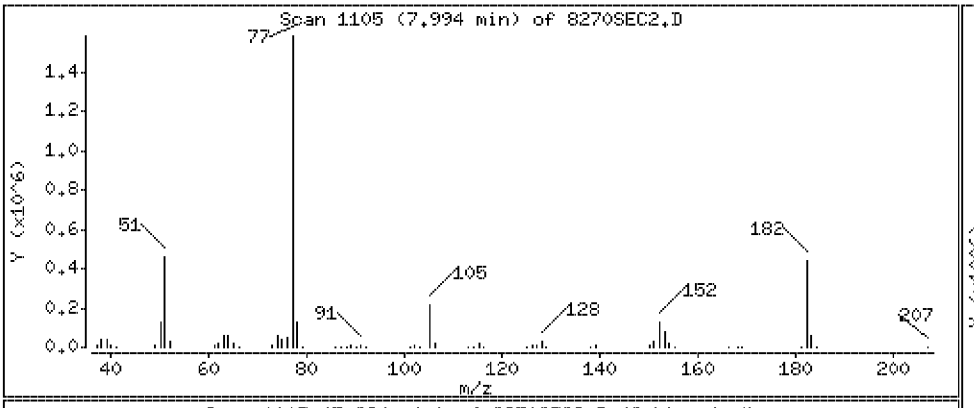
Operator: PEL

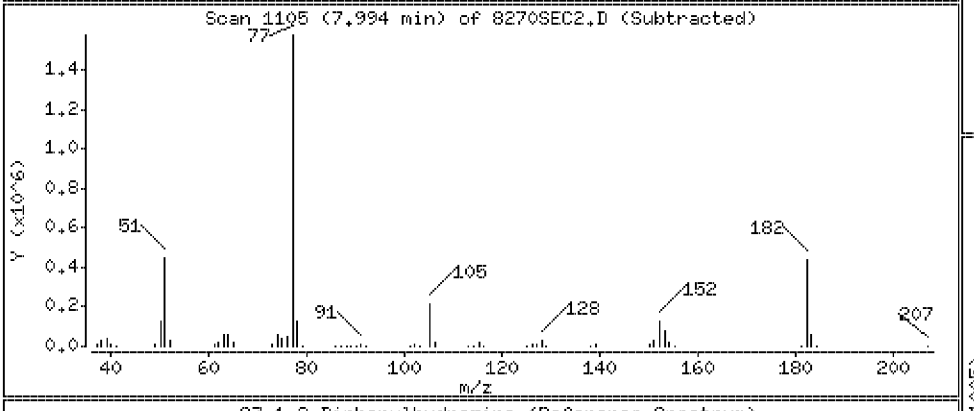
Column phase: HPMS-5

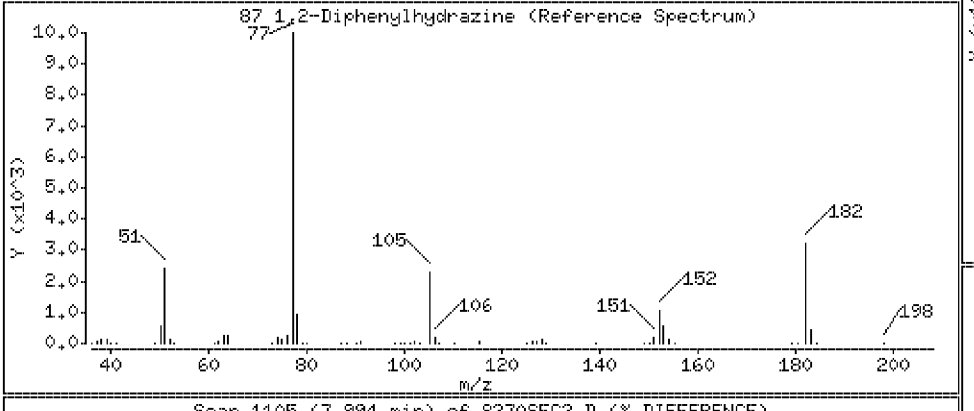
Column diameter: 0.25

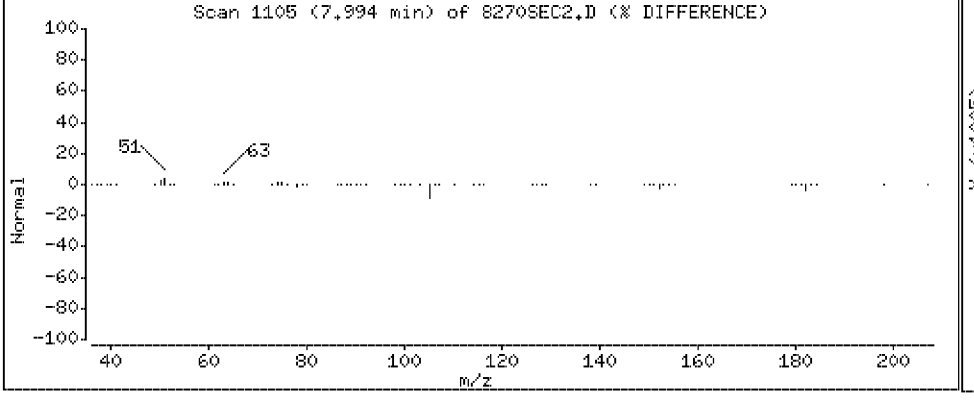
87 1,2-Diphenylhydrazine

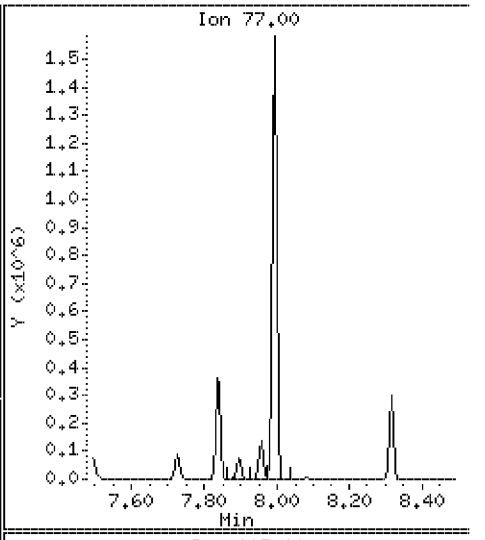
Concentration: 52.4 ug/l

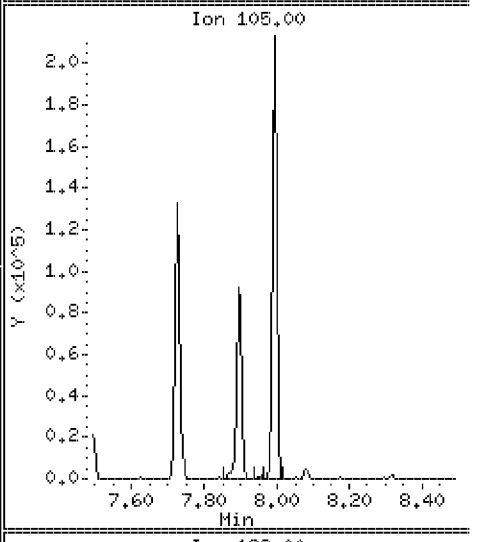


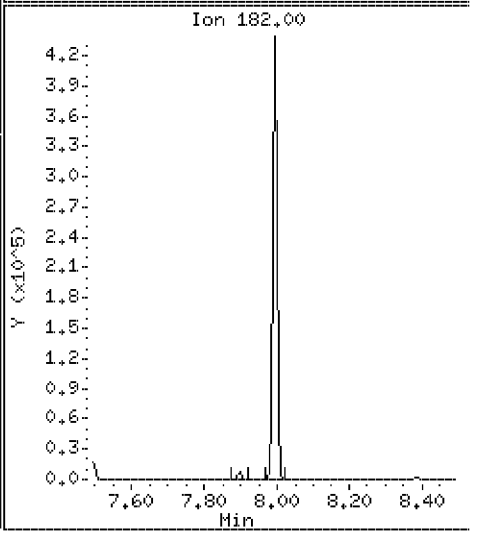












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

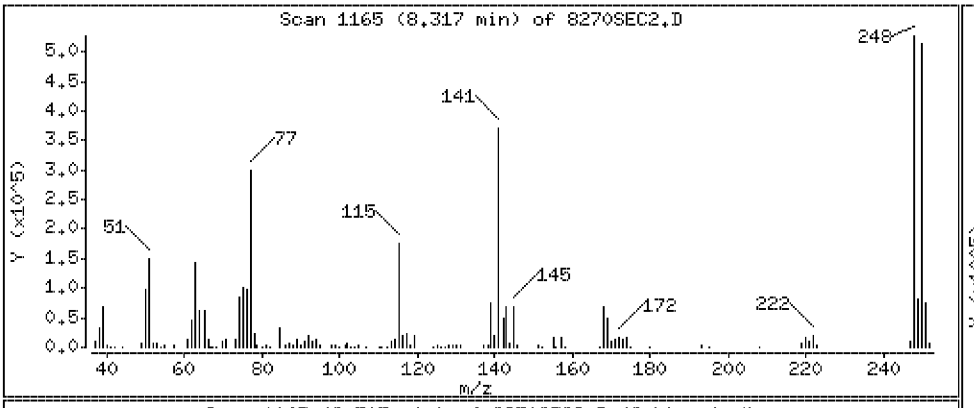
Operator: PEL

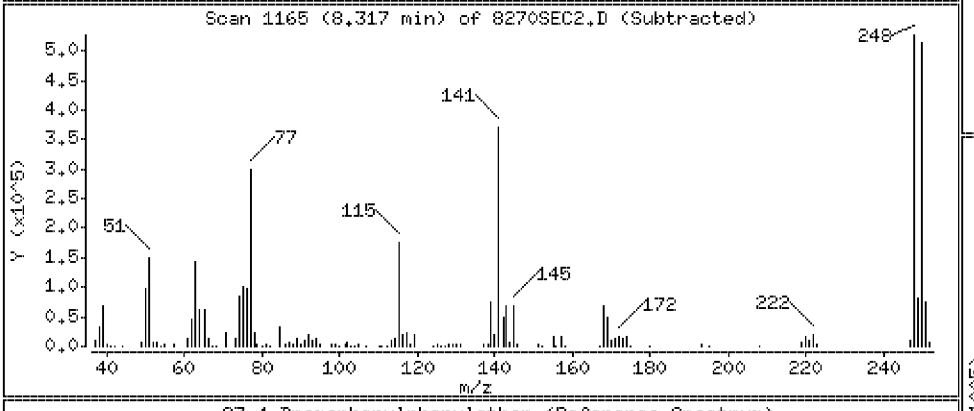
Column phase: HPMS-5

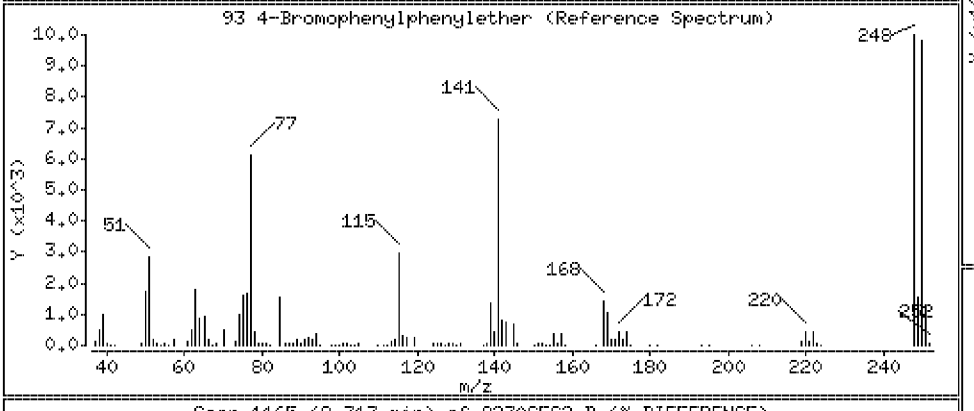
Column diameter: 0.25

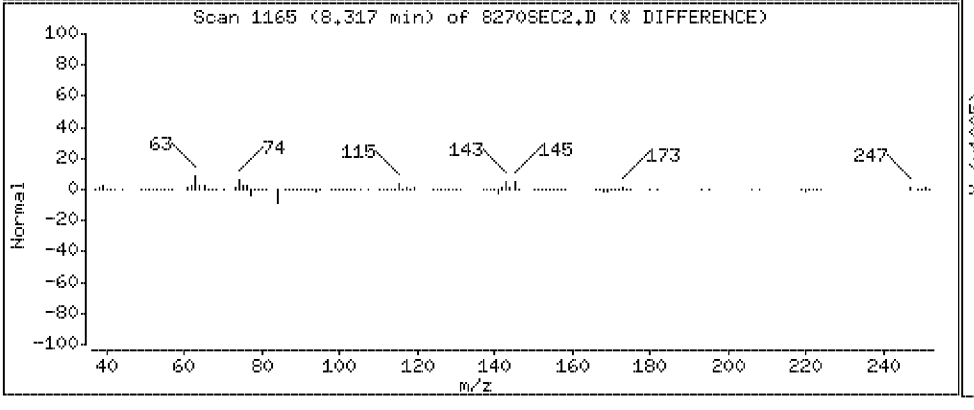
93 4-Bromophenylphenylether

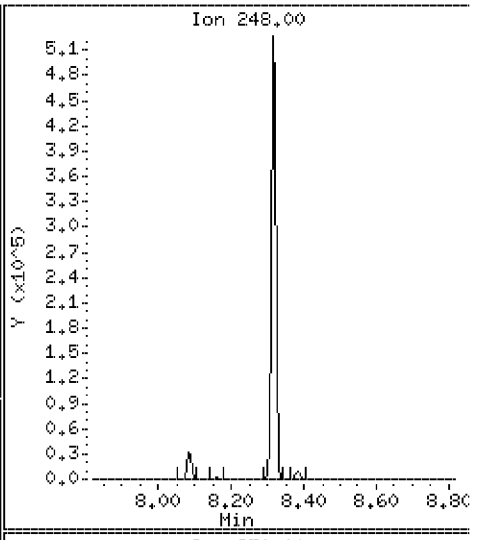
Concentration: 47.8 ug/l

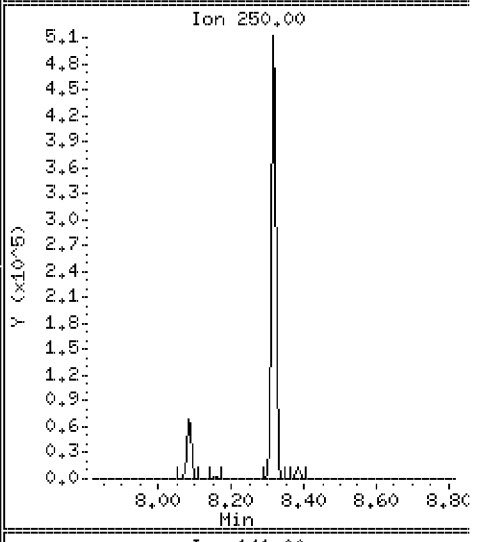


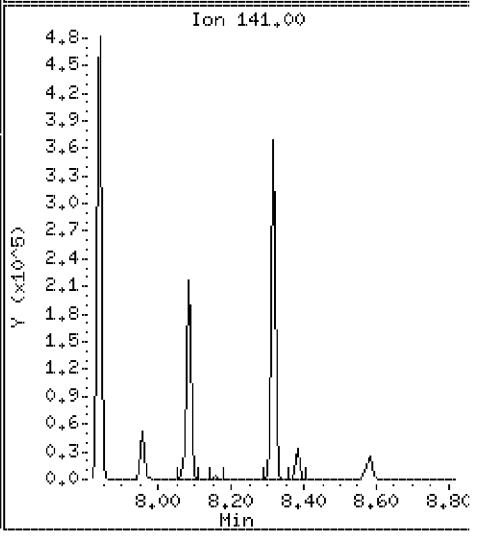












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

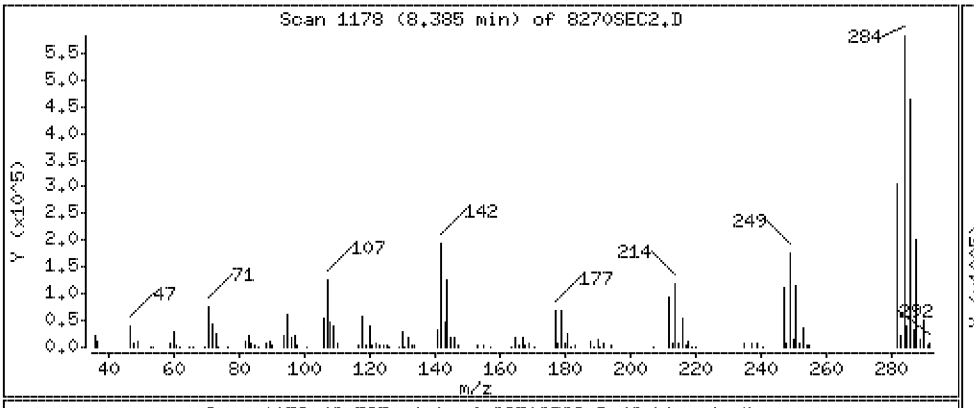
Operator: PEL

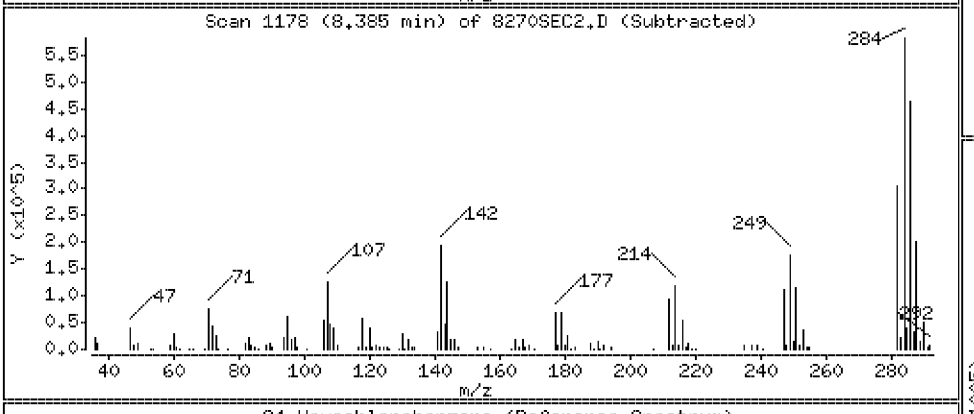
Column phase: HPMS-5

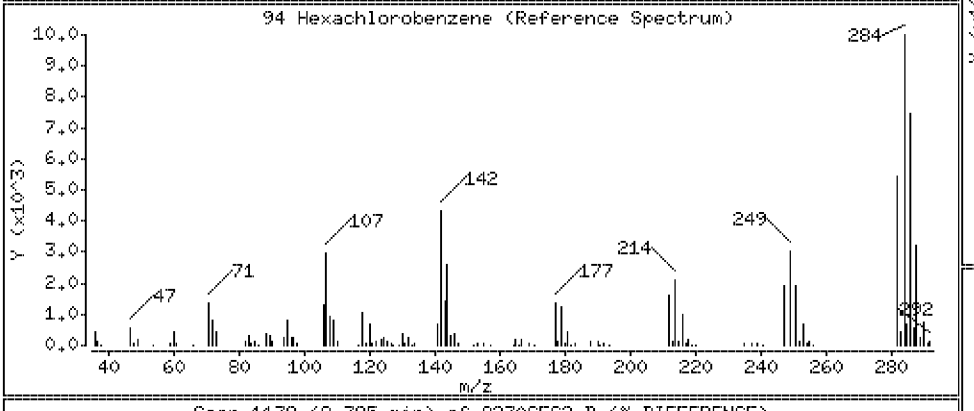
Column diameter: 0.25

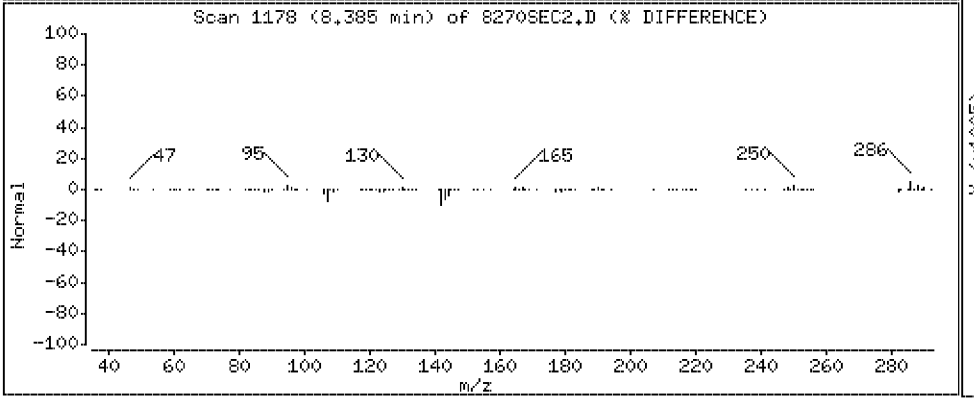
94 Hexachlorobenzene

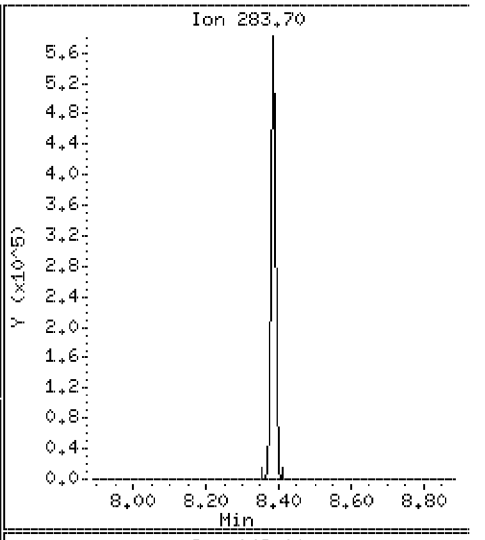
Concentration: 46.5 ug/l

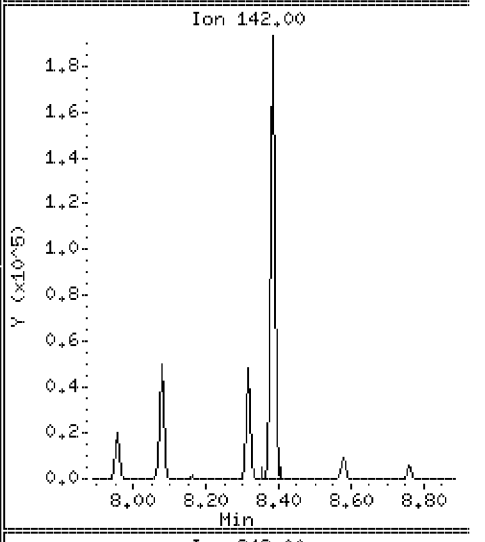


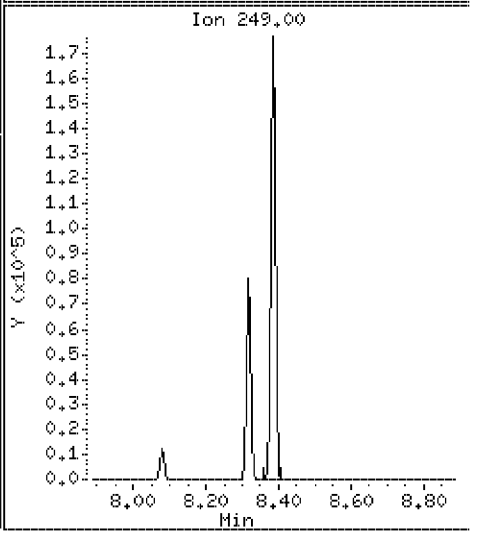












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

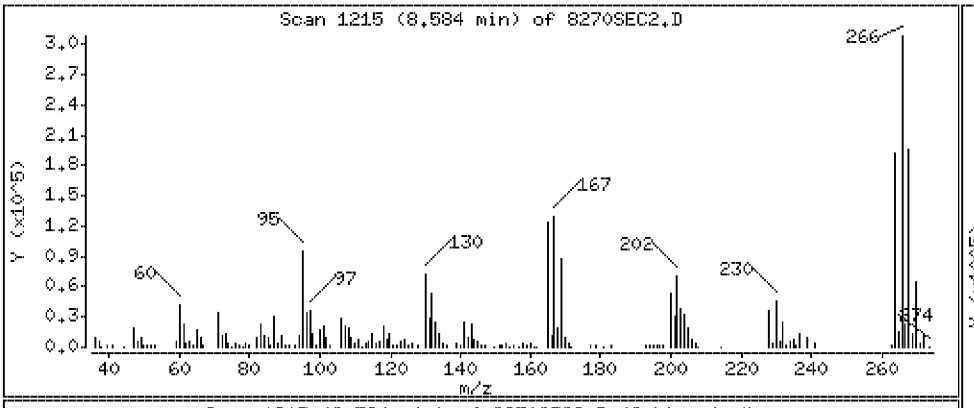
Operator: PEL

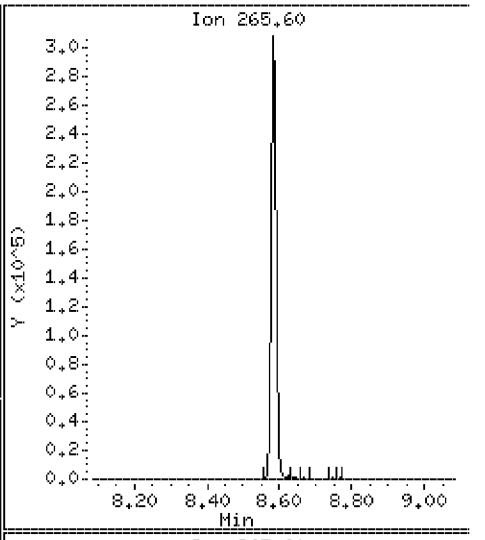
Column phase: HPMS-5

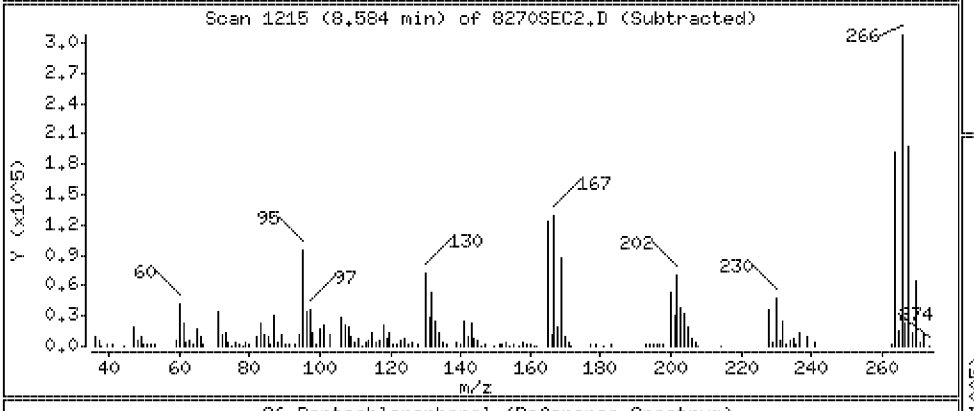
Column diameter: 0.25

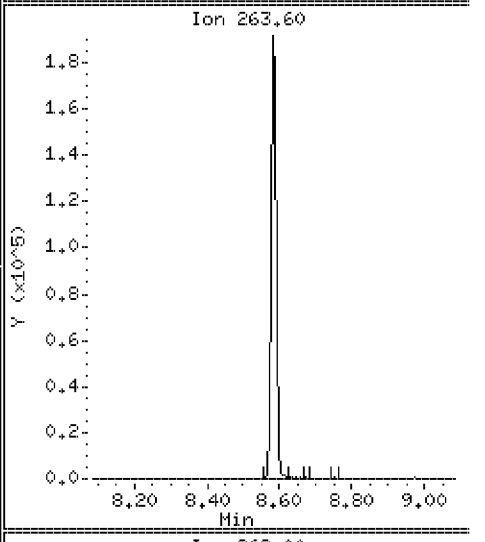
96 Pentachlorophenol

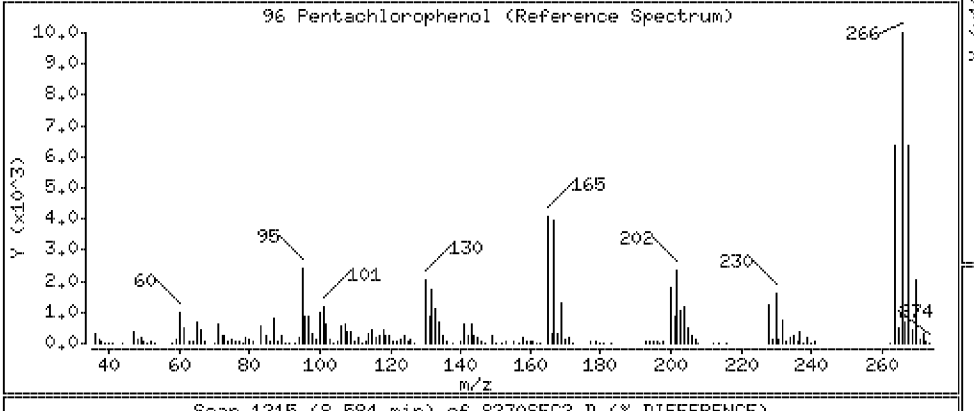
Concentration: 45.9 ug/l

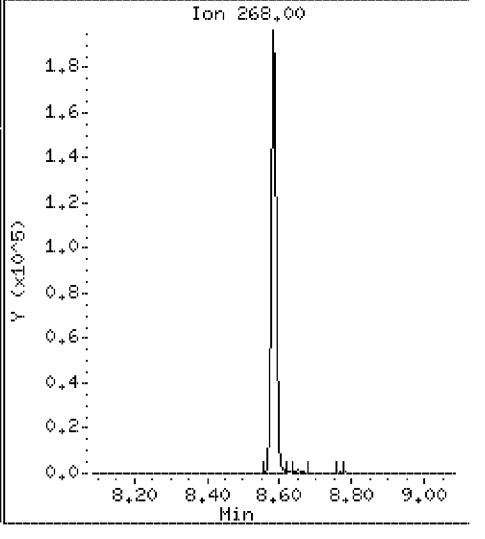


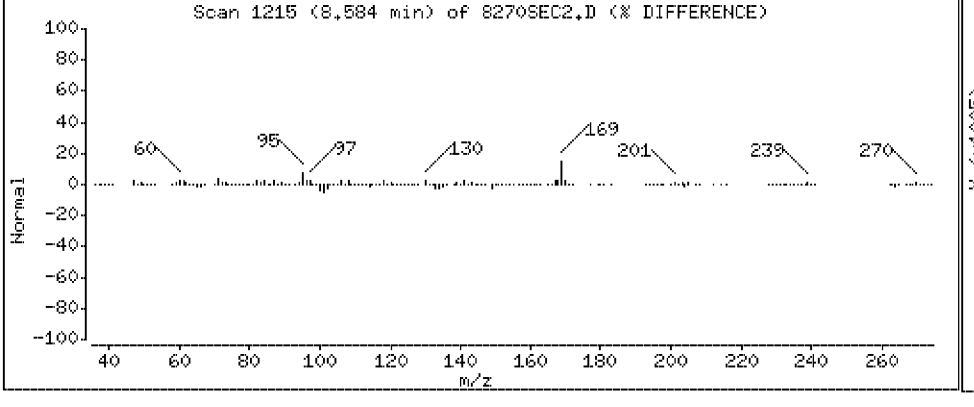












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

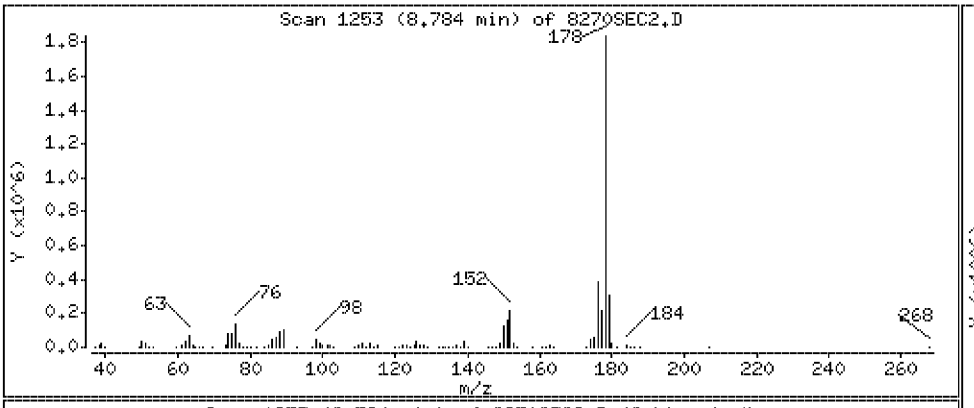
Operator: PEL

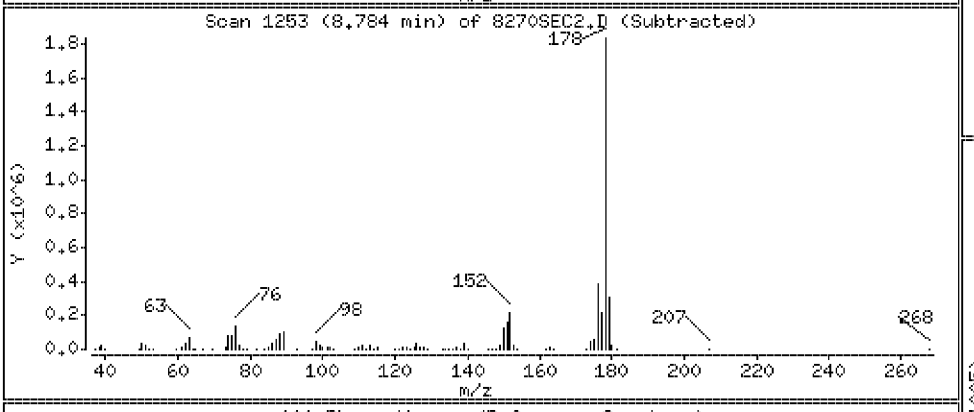
Column phase: HPMS-5

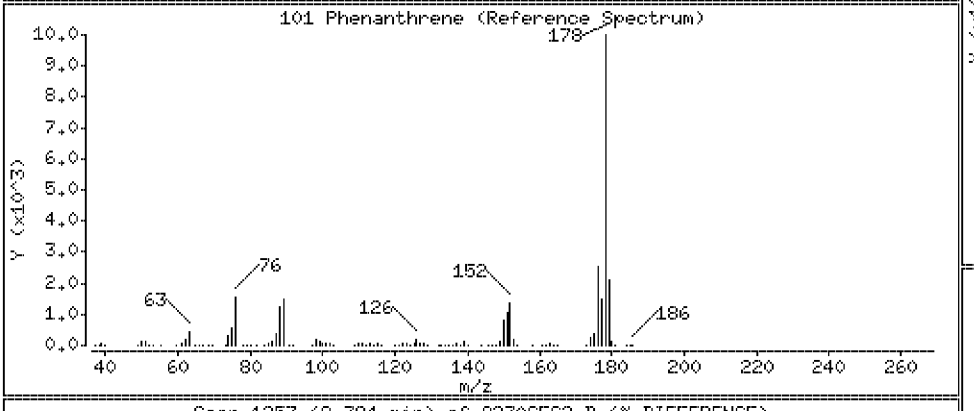
Column diameter: 0.25

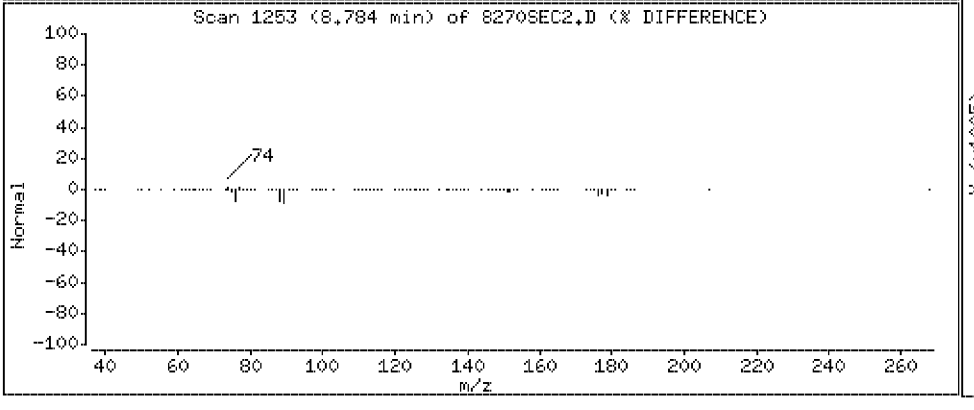
101 Phenanthrene

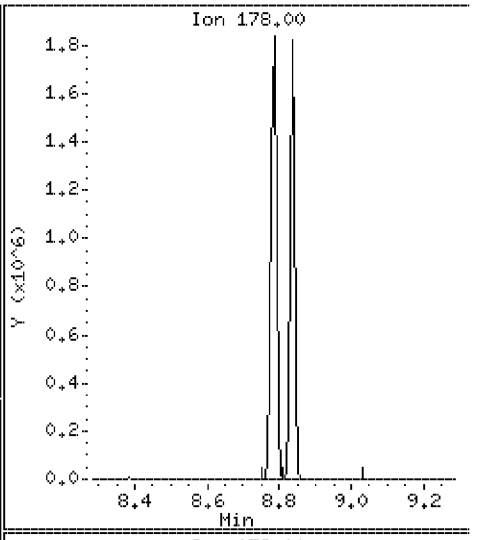
Concentration: 48.1 ug/l

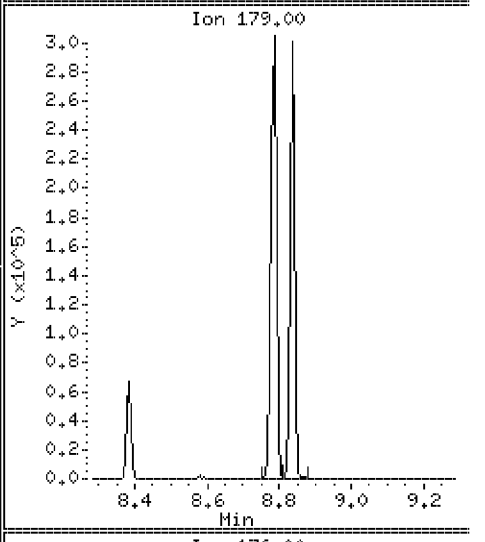


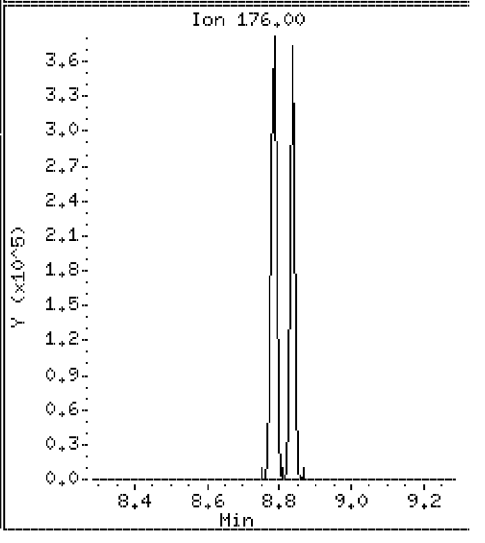












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

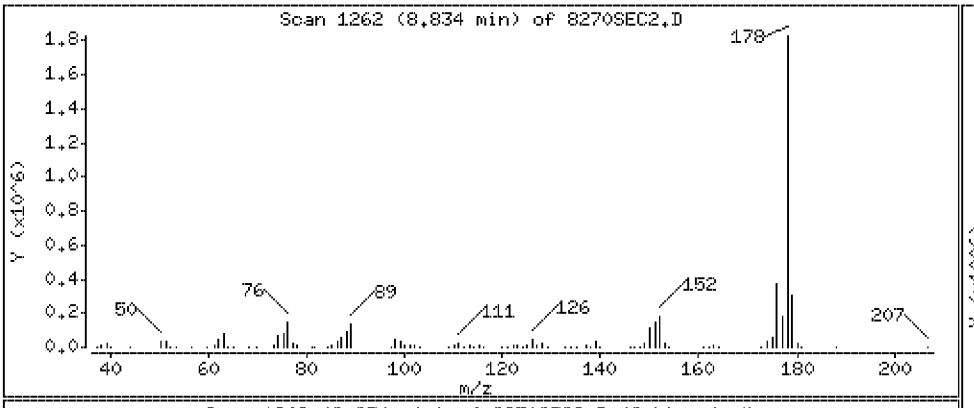
Operator: PEL

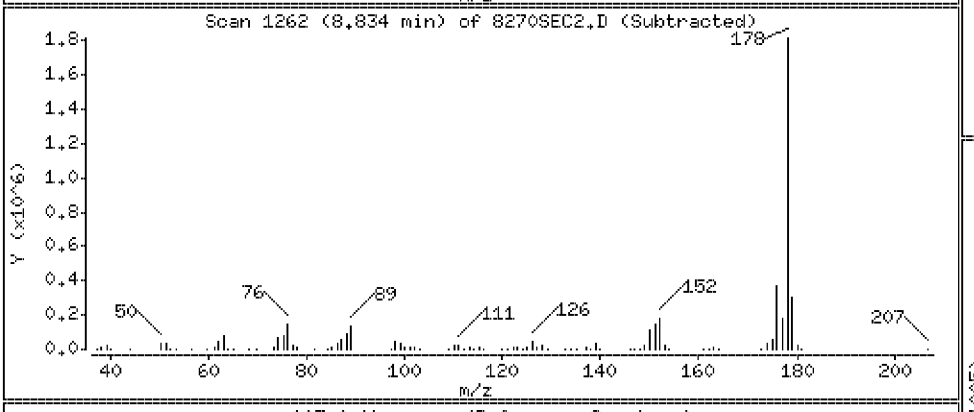
Column phase: HPMS-5

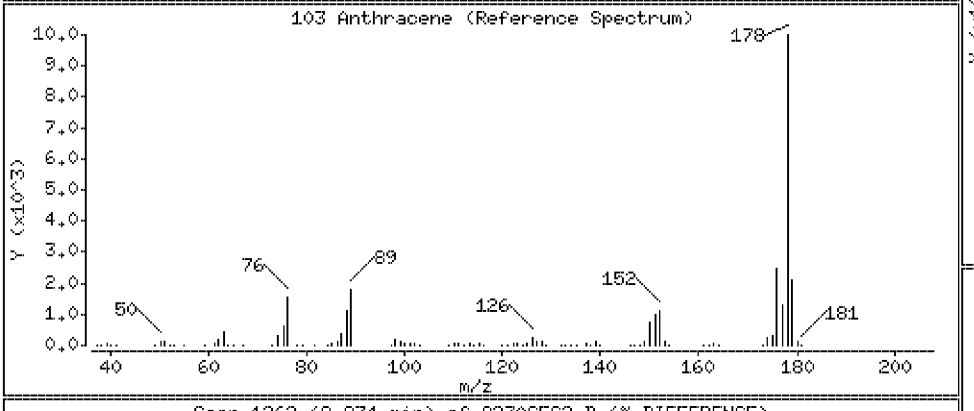
Column diameter: 0.25

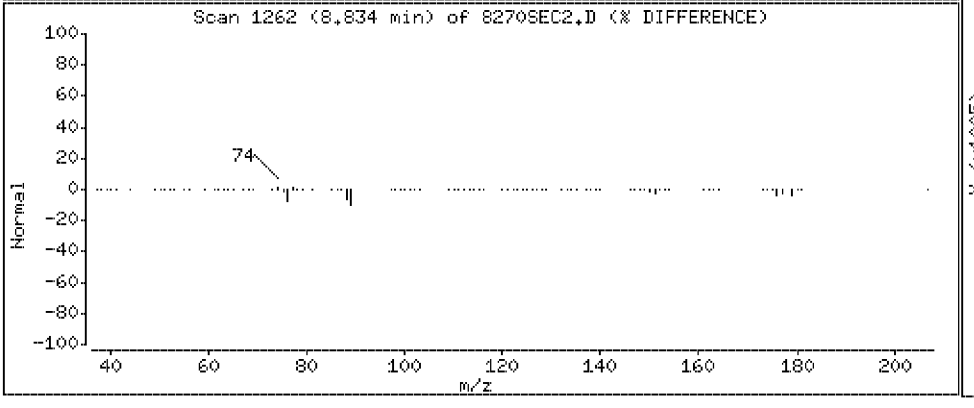
103 Anthracene

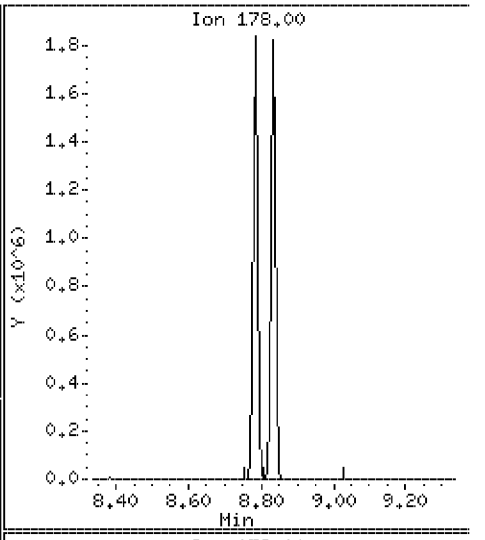
Concentration: 48.4 ug/l

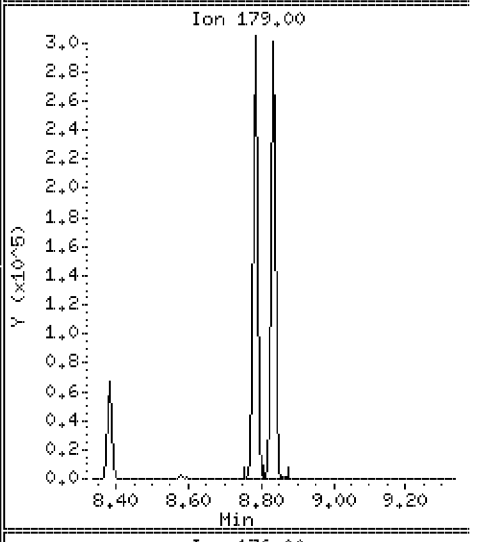


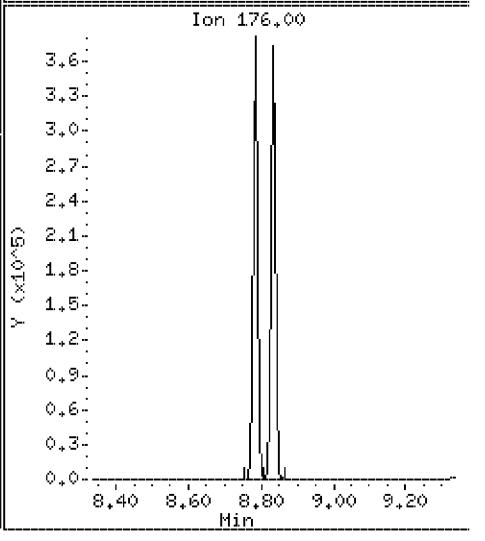












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

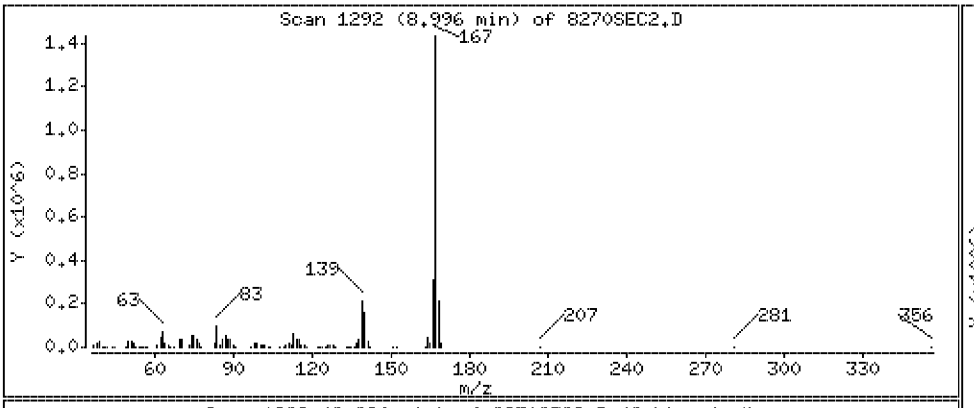
Operator: PEL

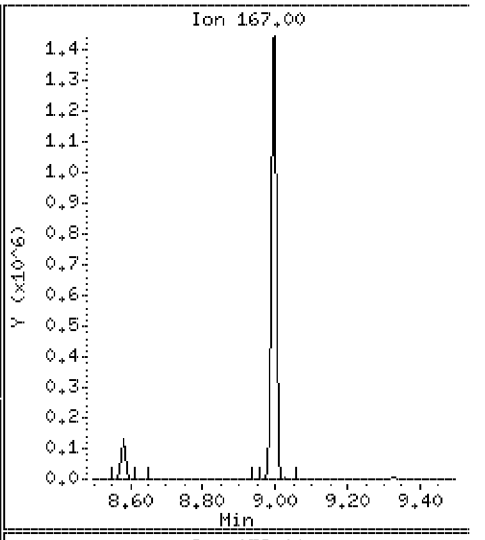
Column phase: HPMS-5

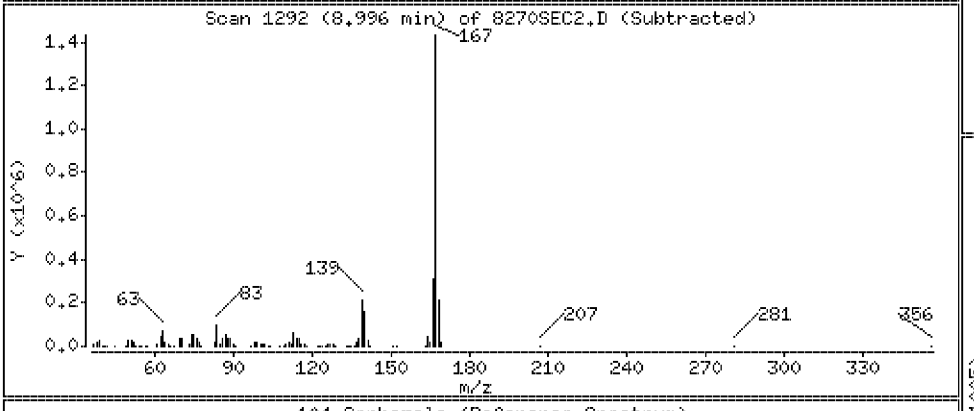
Column diameter: 0.25

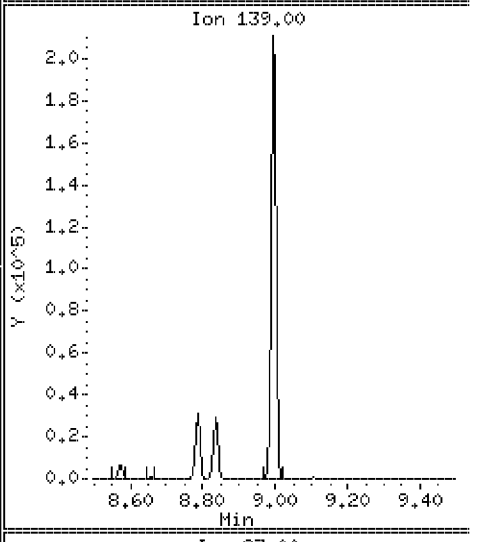
104 Carbazole

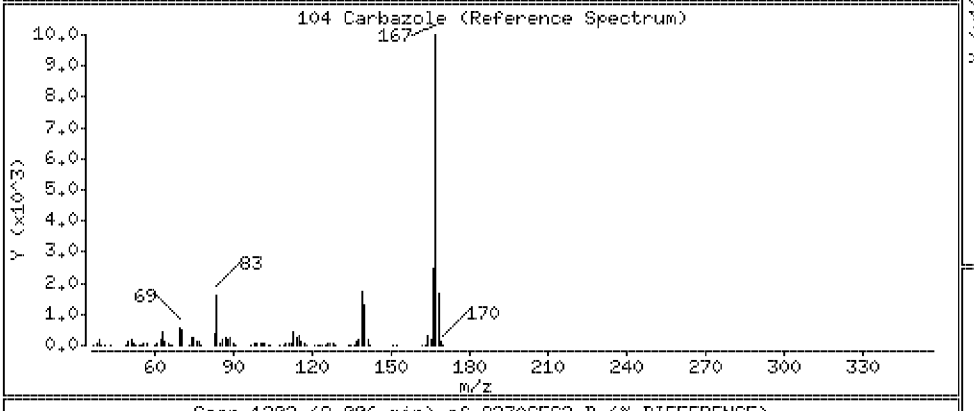
Concentration: 51.2 ug/l

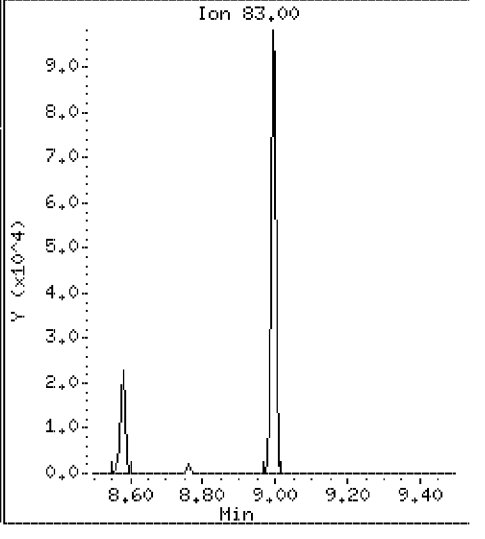


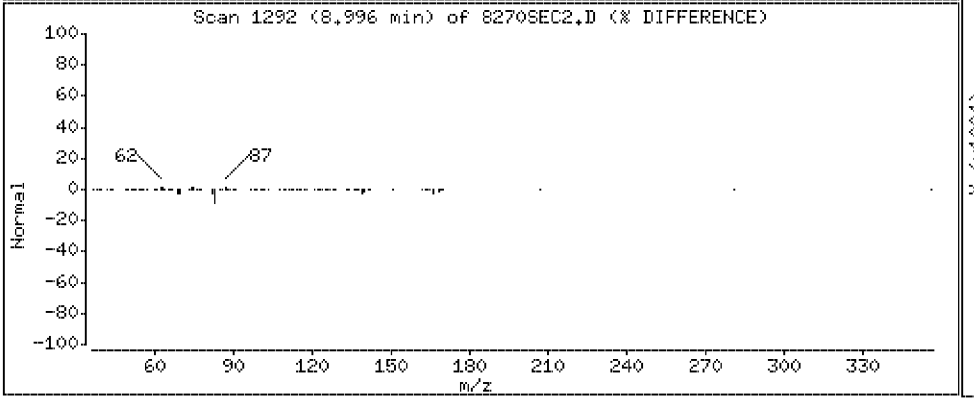












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

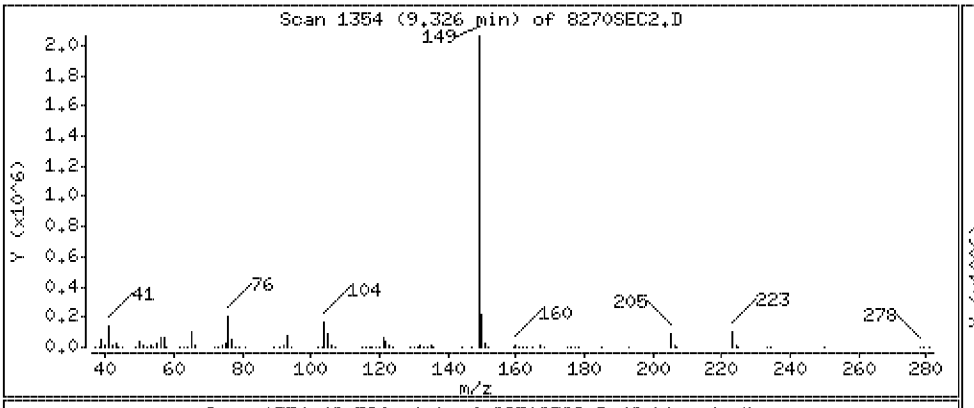
Operator: PEL

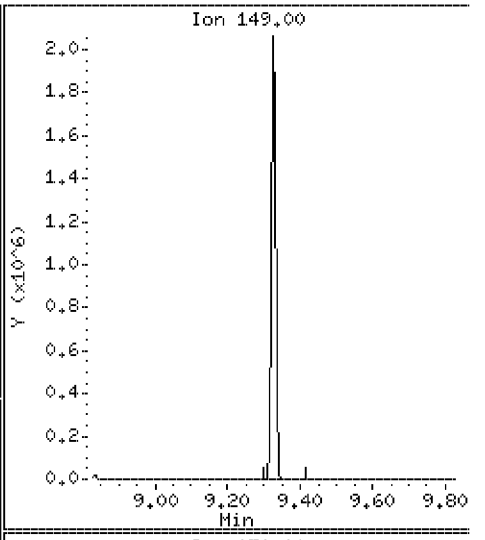
Column phase: HPMS-5

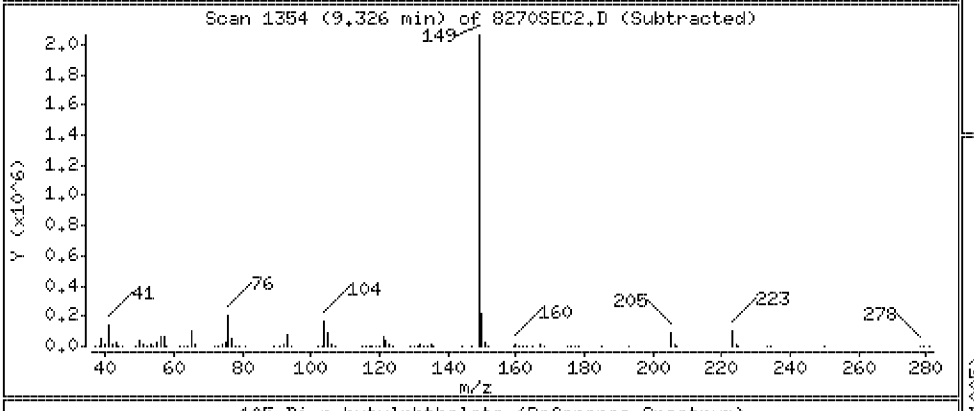
Column diameter: 0.25

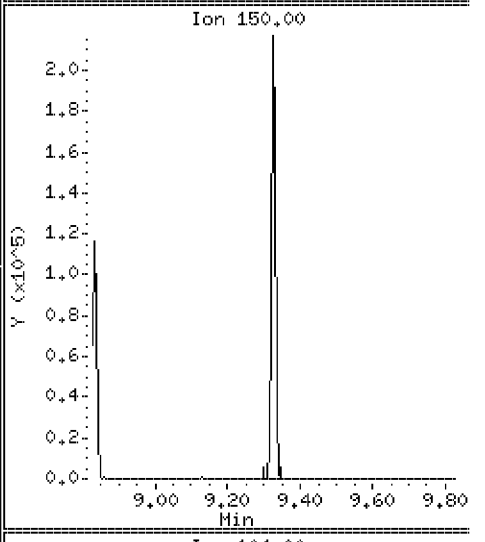
105 Di-n-butylphthalate

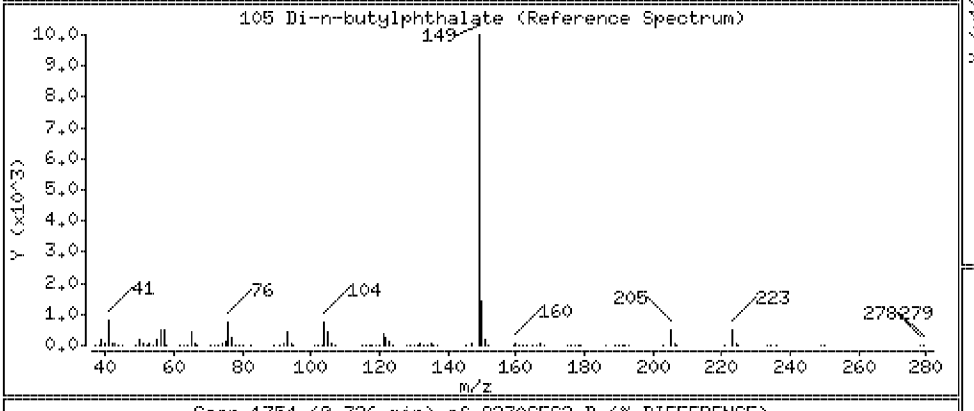
Concentration: 48.6 ug/l

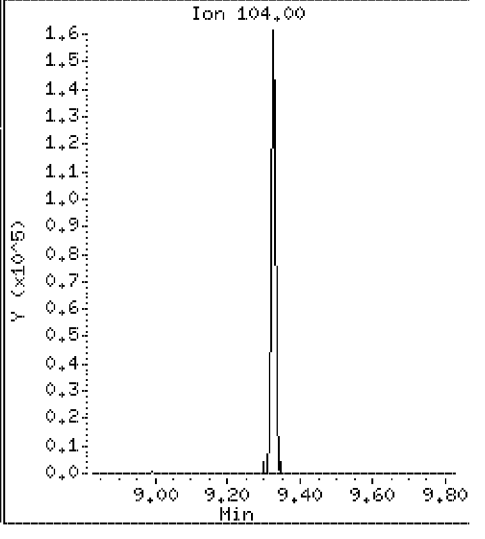


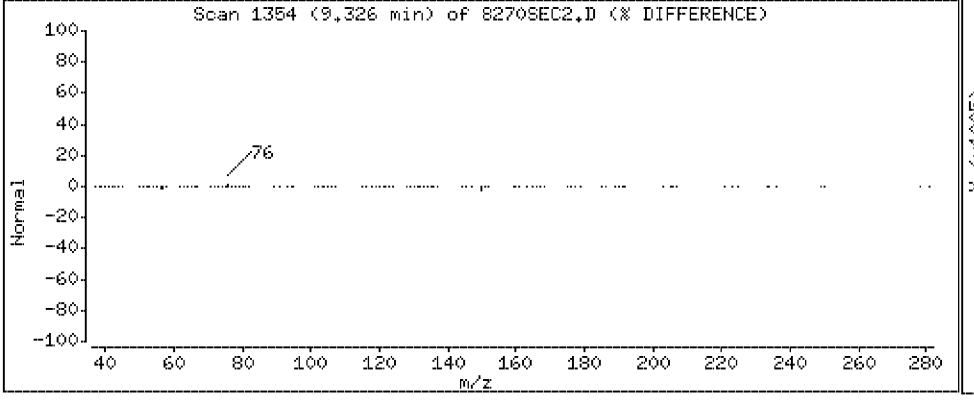












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

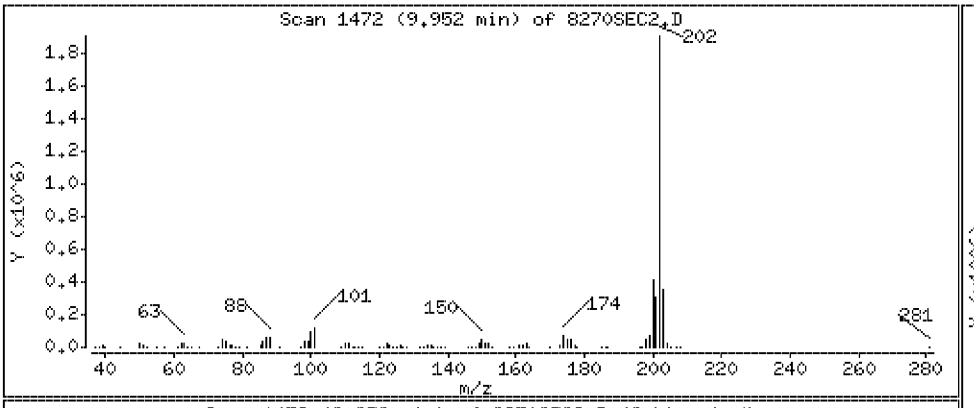
Operator: PEL

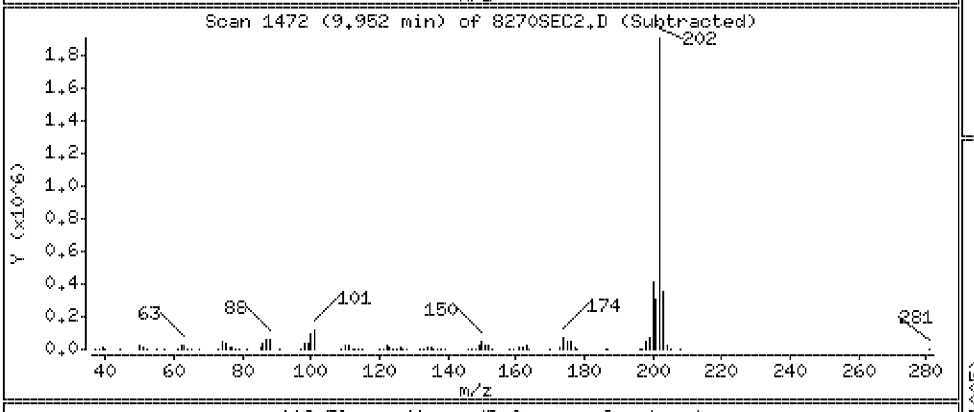
Column phase: HPMS-5

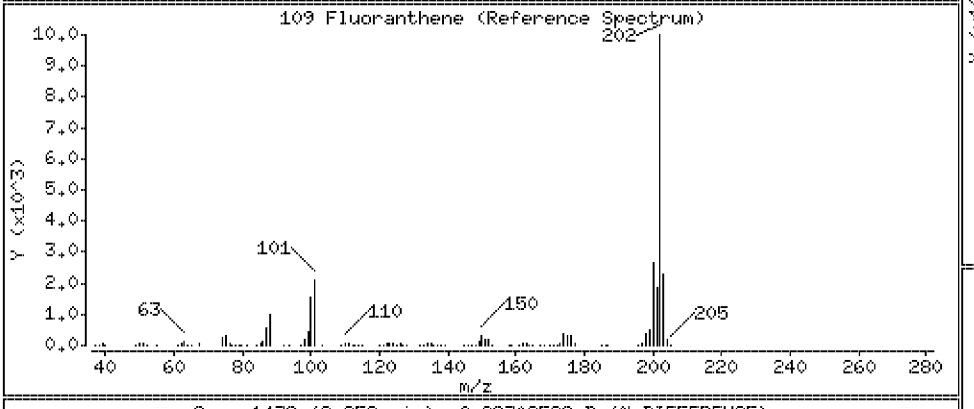
Column diameter: 0.25

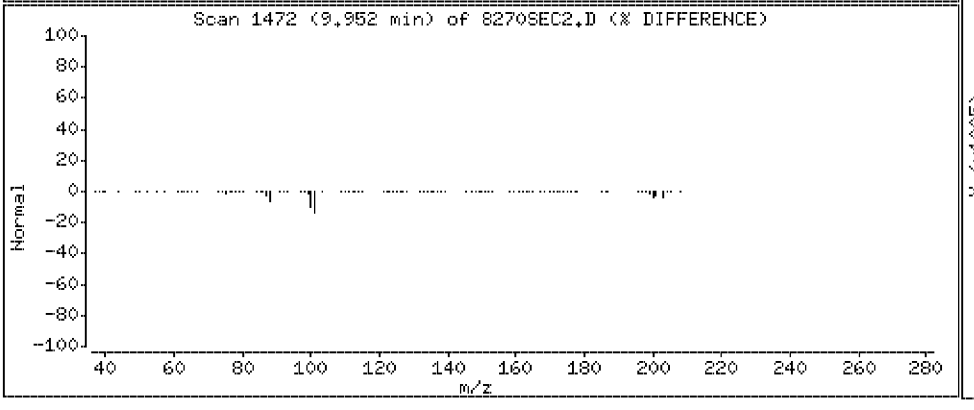
109 Fluoranthene

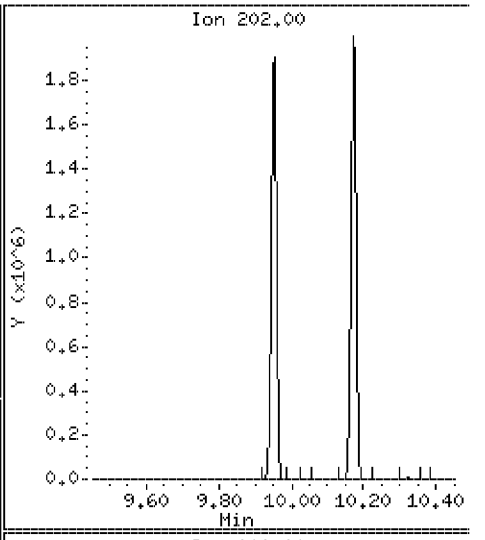
Concentration: 49.2 ug/l

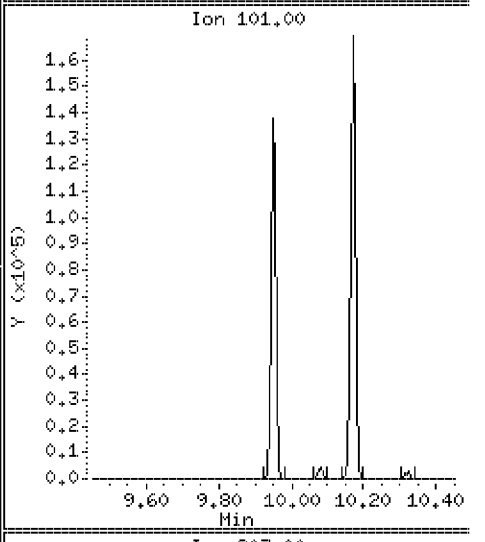


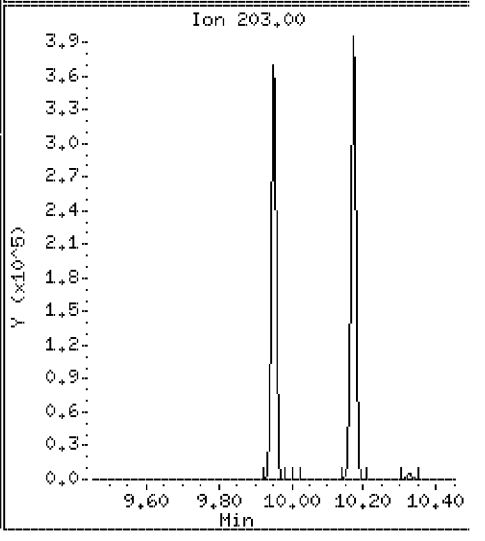












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

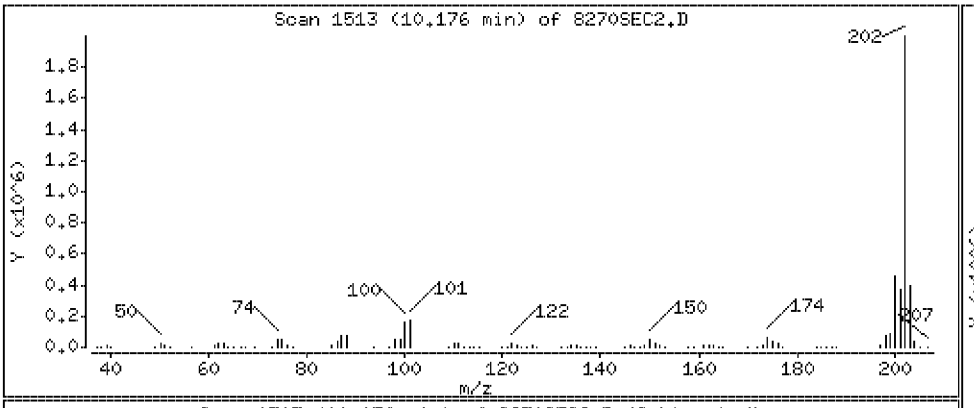
Operator: PEL

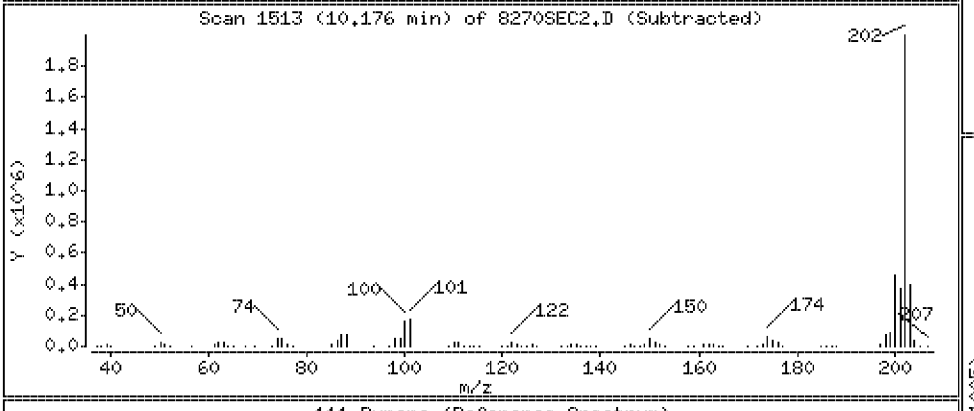
Column phase: HPMS-5

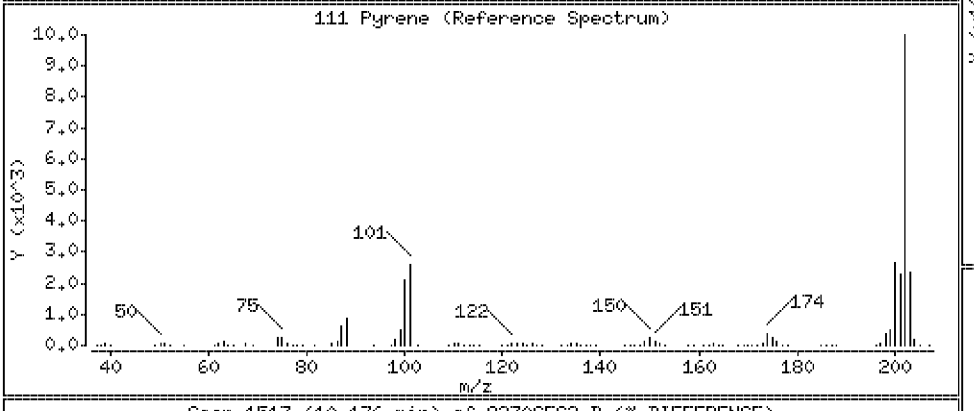
Column diameter: 0.25

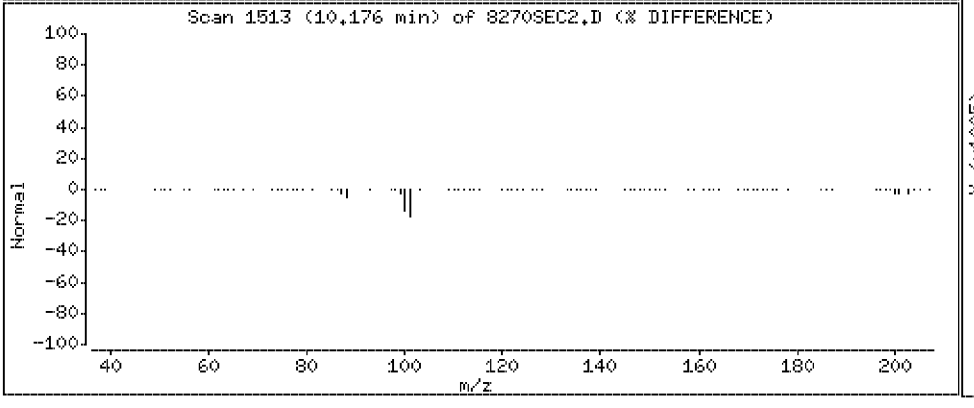
111 Pyrene

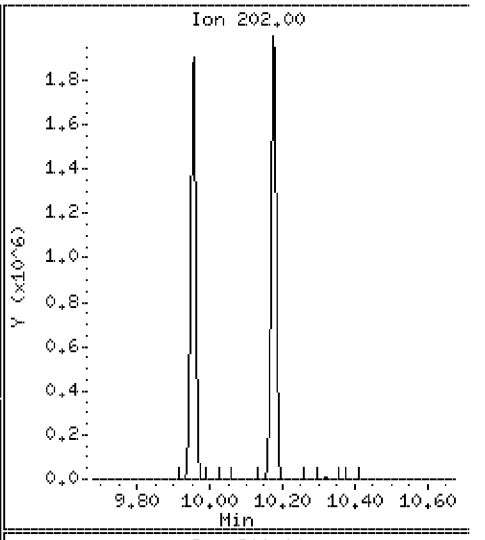
Concentration: 47.9 ug/l

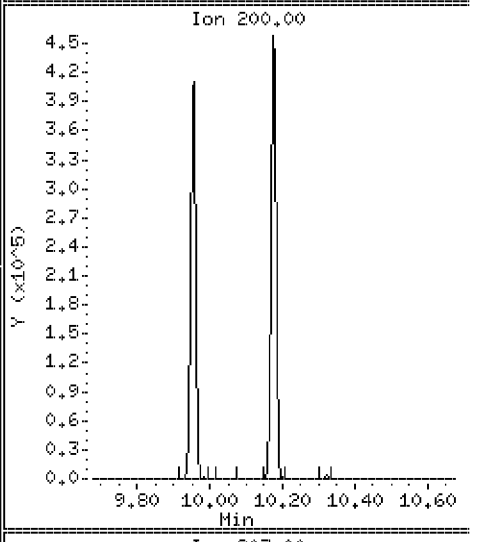


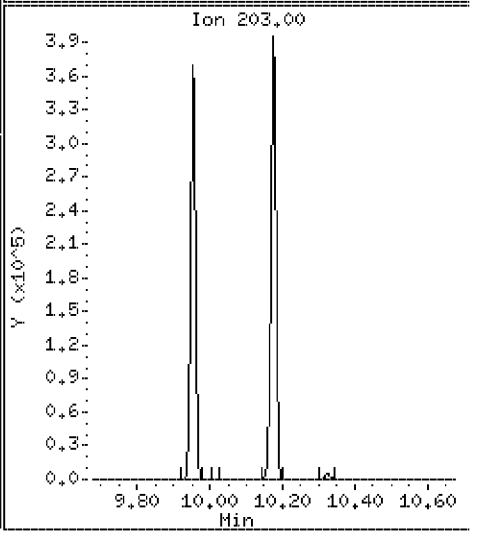












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

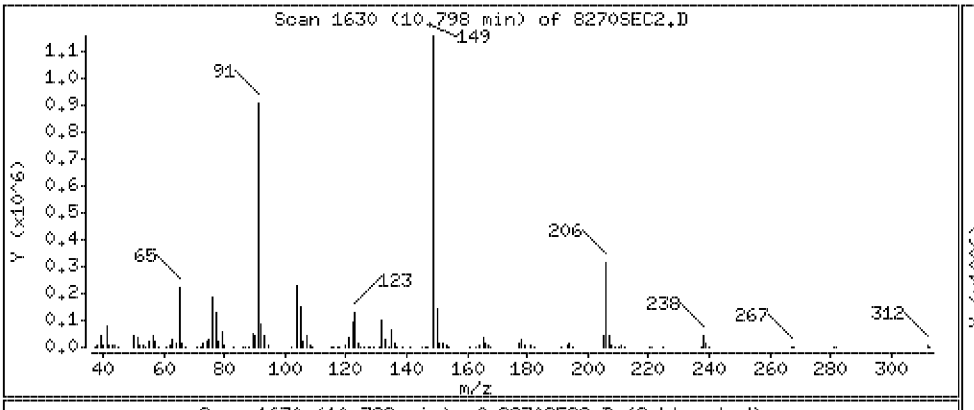
Operator: PEL

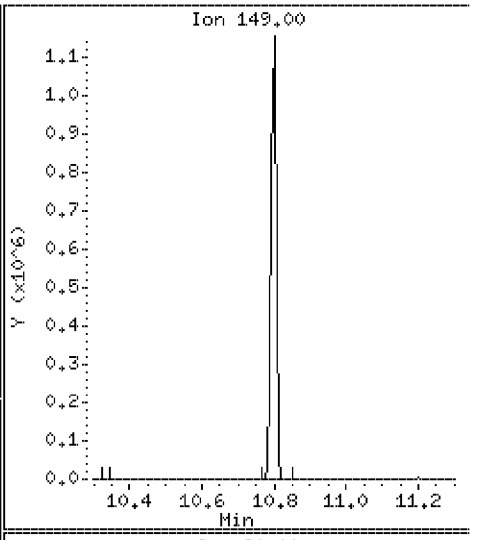
Column phase: HPMS-5

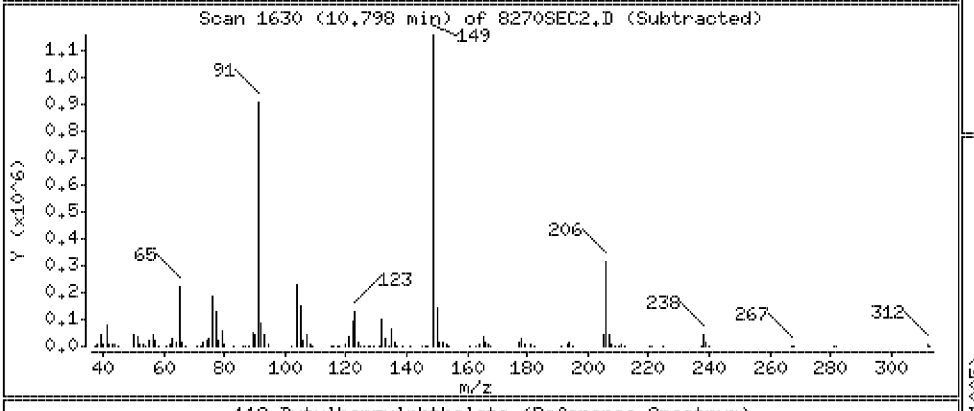
Column diameter: 0.25

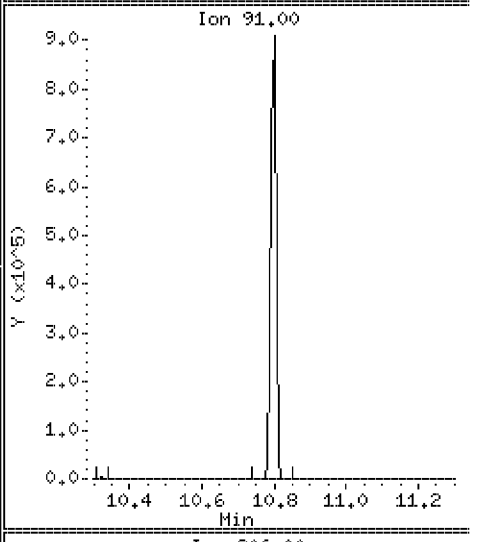
118 Butylbenzylphthalate

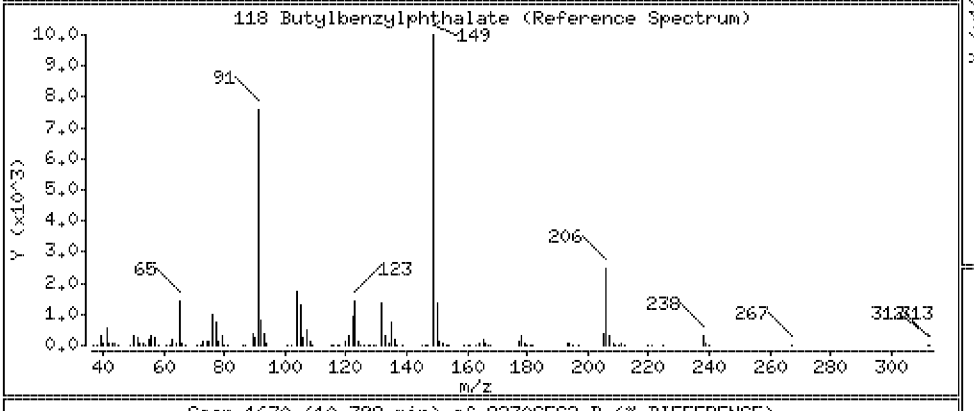
Concentration: 50.7 ug/l

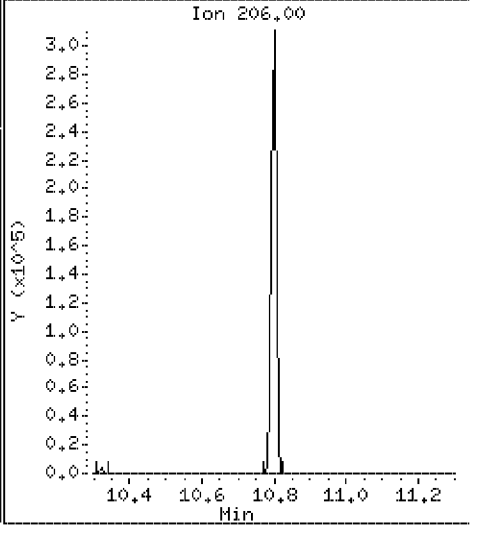


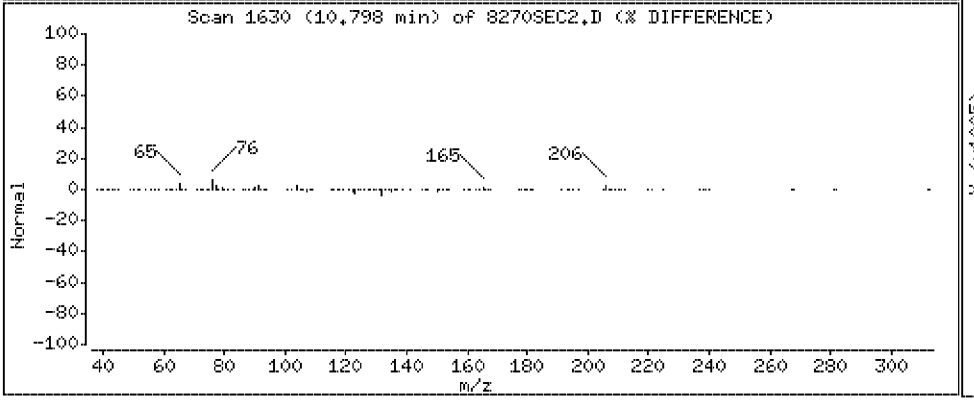












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

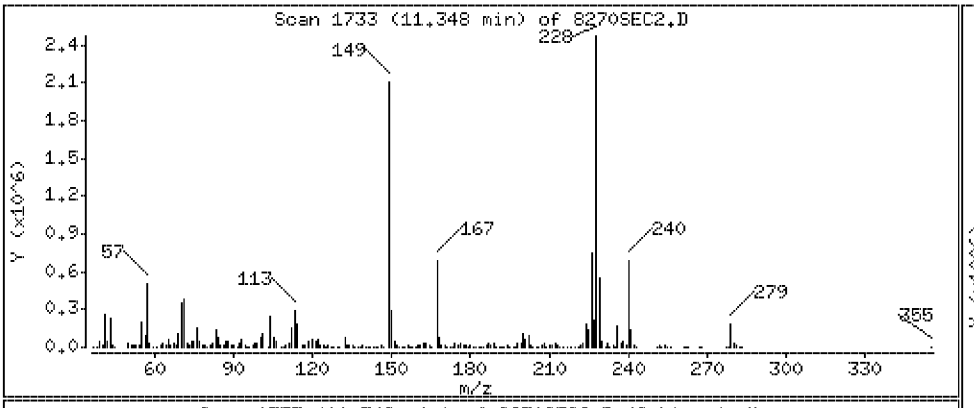
Operator: PEL

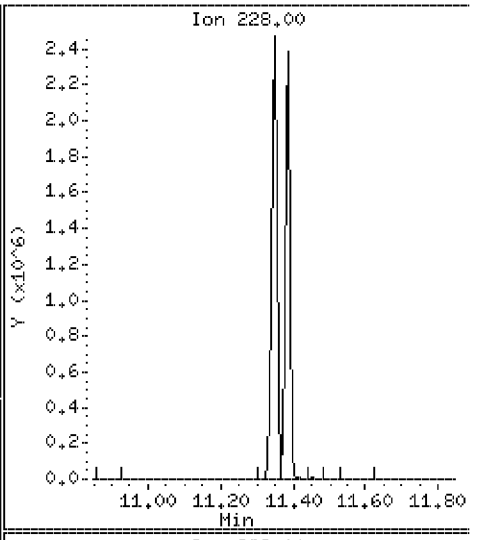
Column phase: HPMS-5

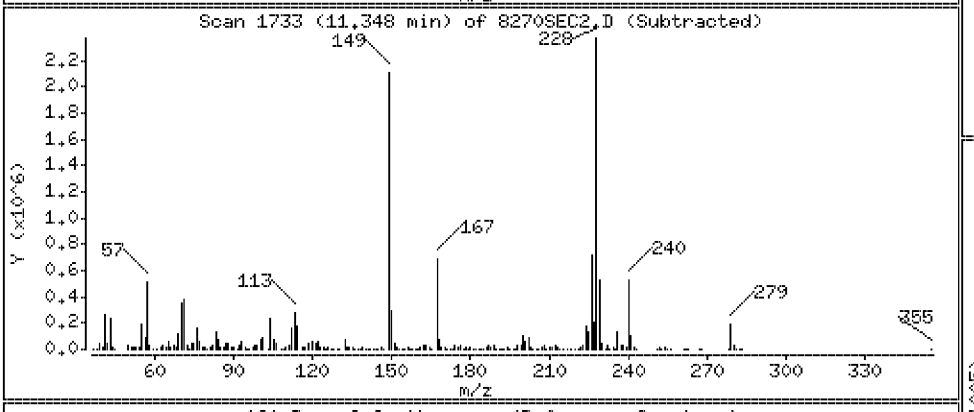
Column diameter: 0.25

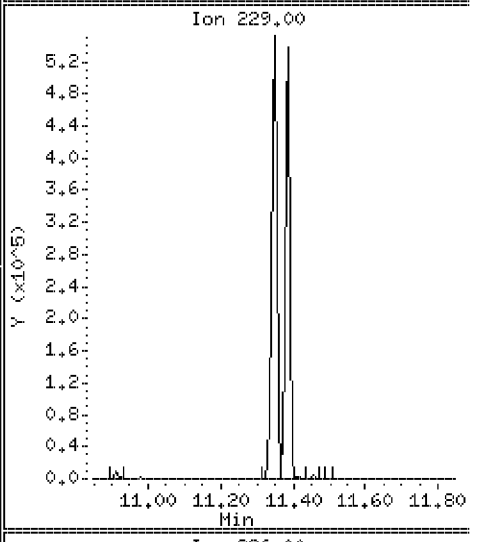
120 Benzo[a]anthracene

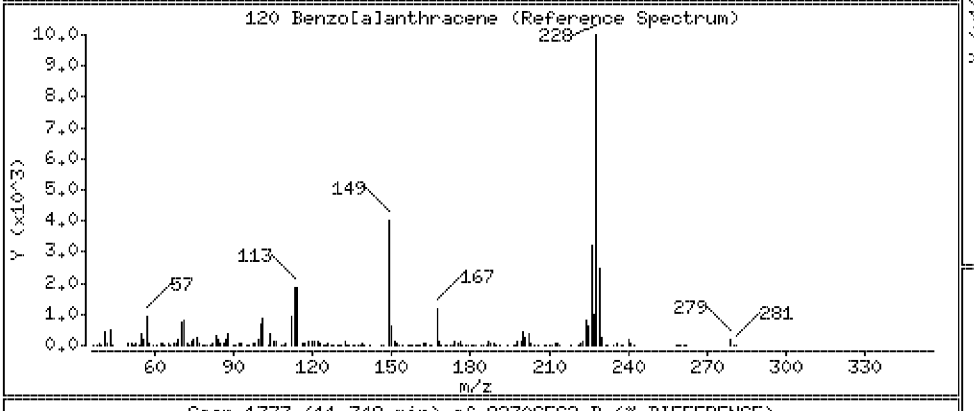
Concentration: 49.8 ug/l

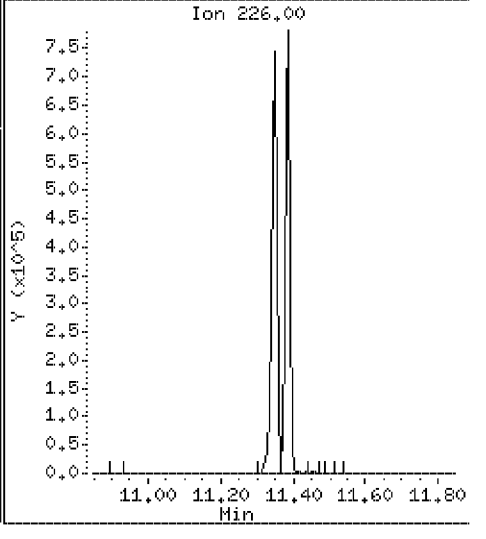


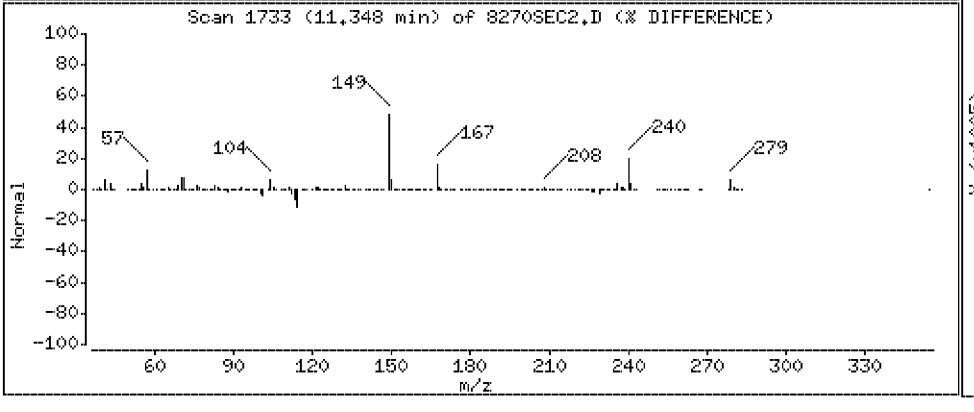












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

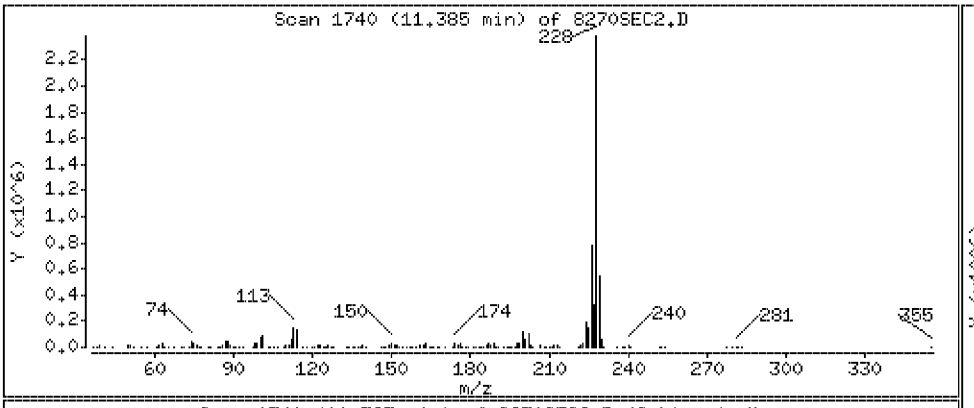
Operator: PEL

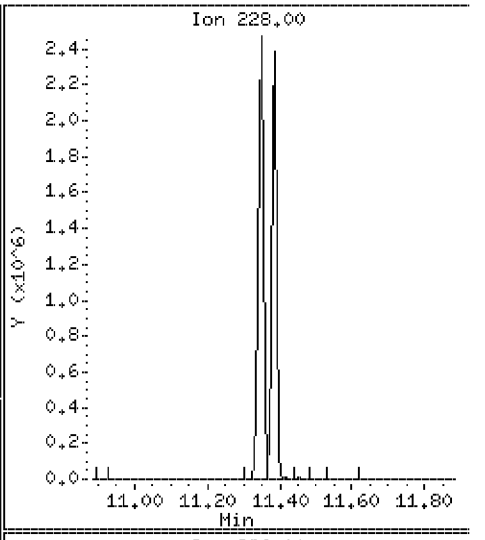
Column phase: HPMS-5

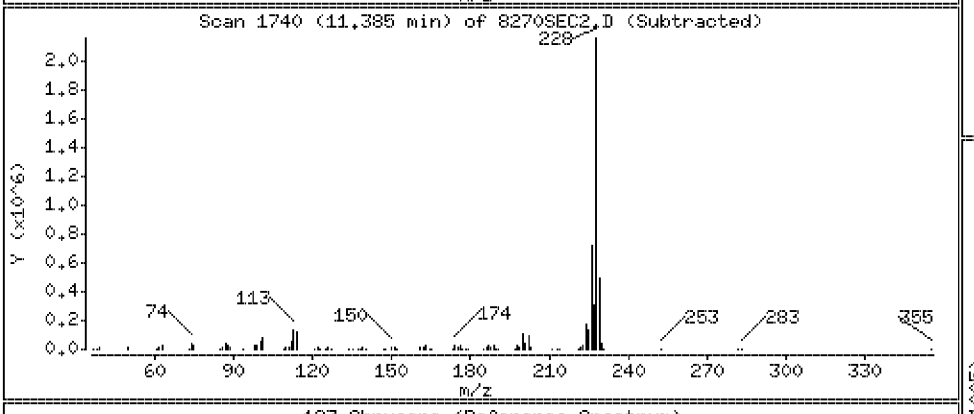
Column diameter: 0.25

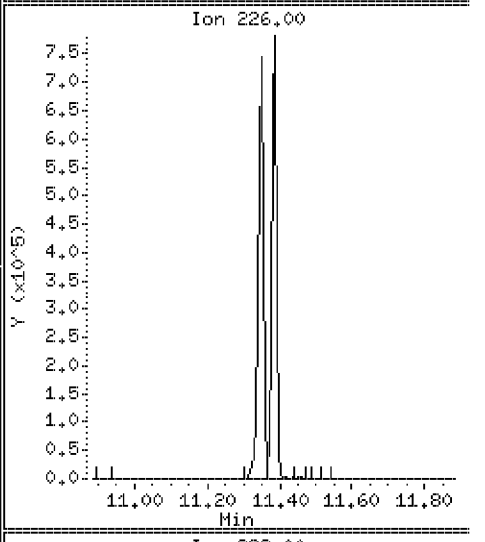
123 Chrysene

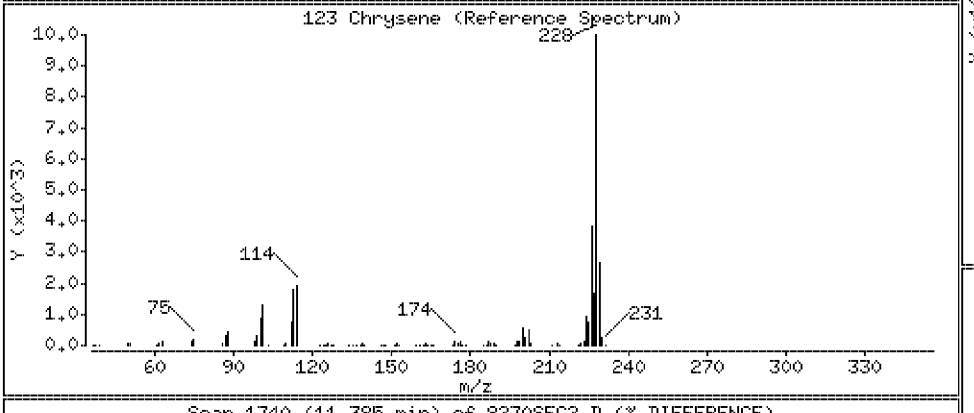
Concentration: 47.2 ug/l

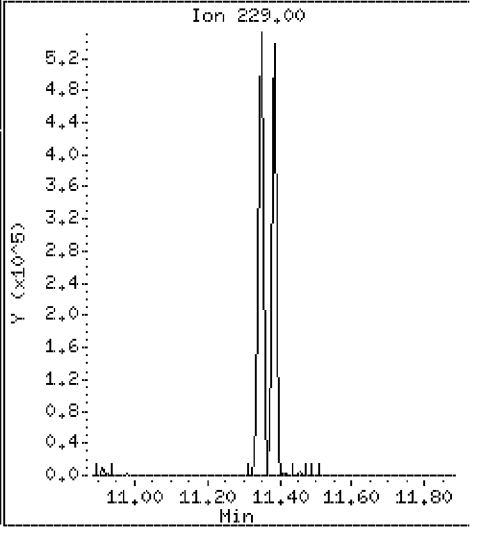


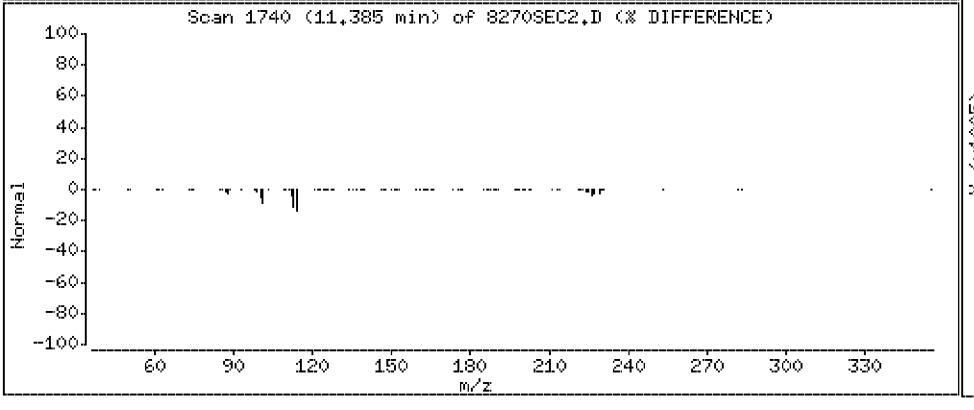












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

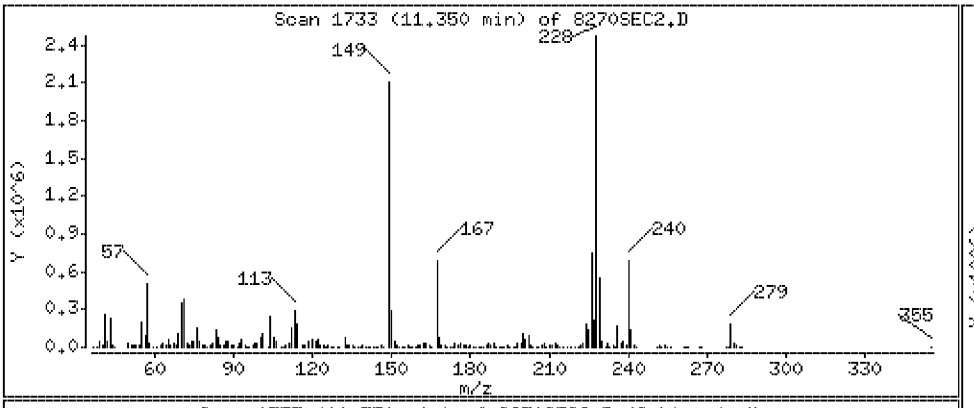
Operator: PEL

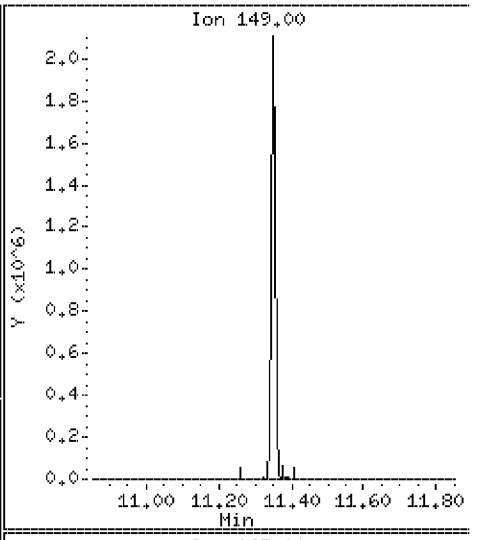
Column phase: HPMS-5

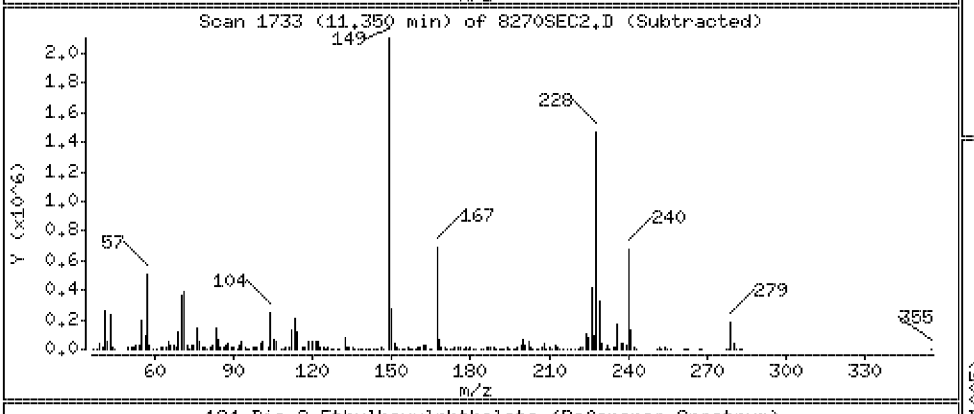
Column diameter: 0.25

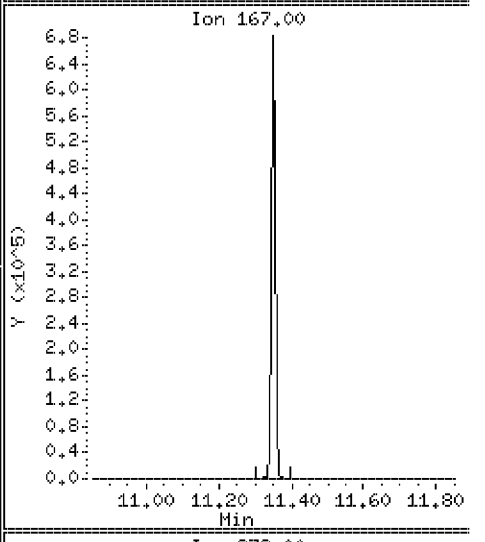
124 Bis-2-Ethylhexylphthalate

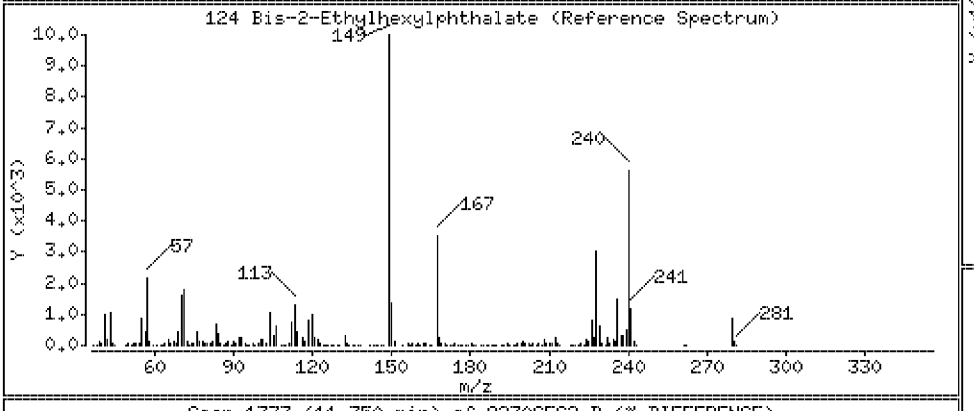
Concentration: 52.3 ug/l

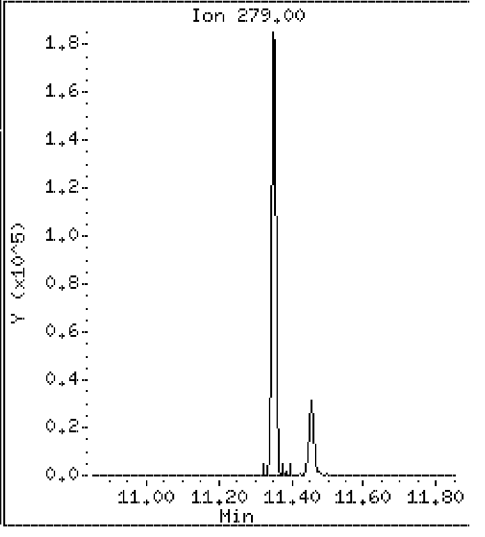


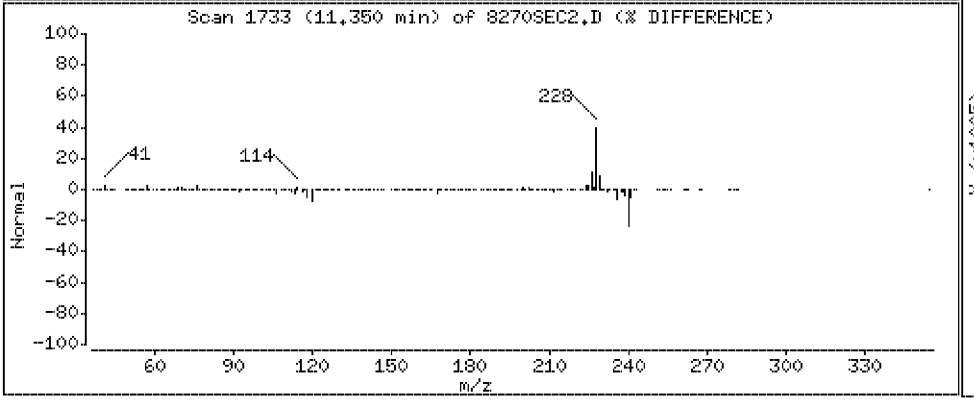












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

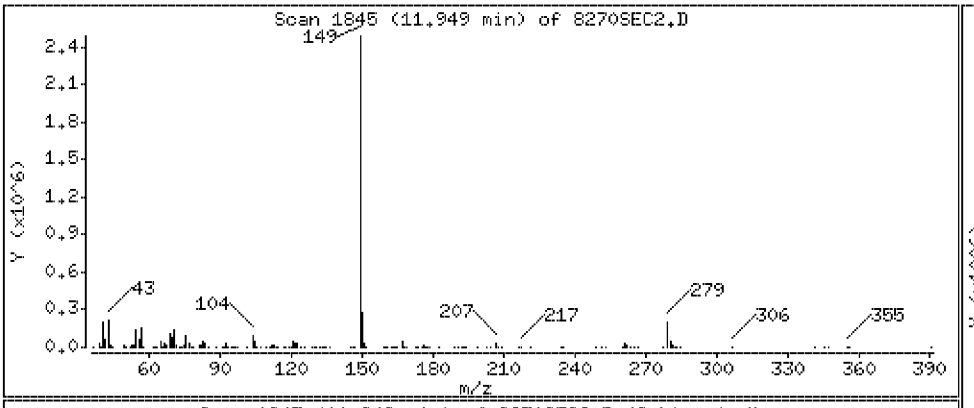
Operator: PEL

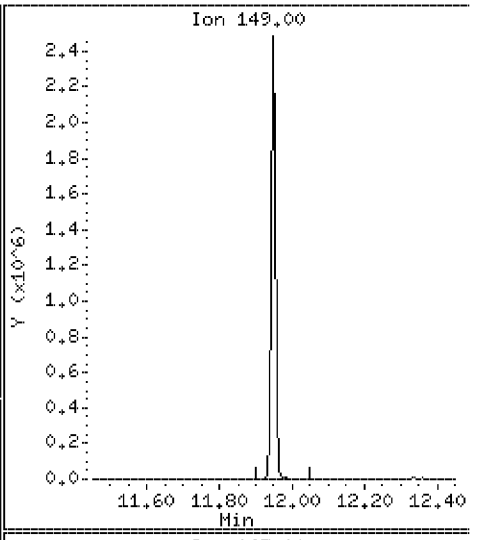
Column phase: HPMS-5

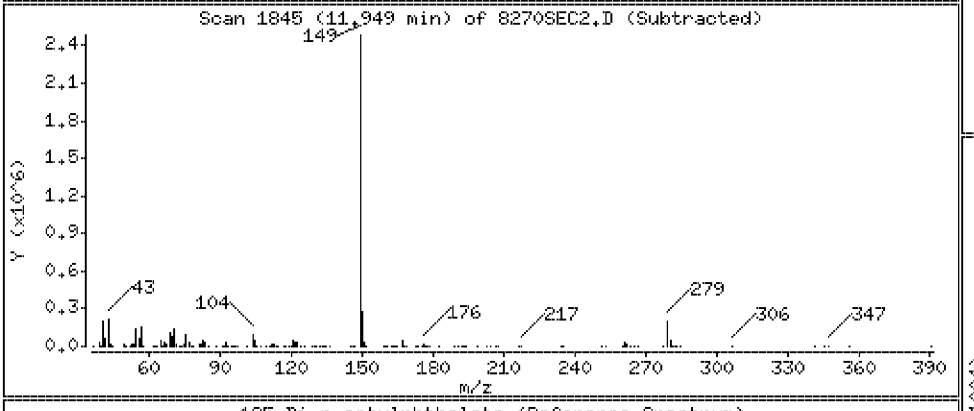
Column diameter: 0.25

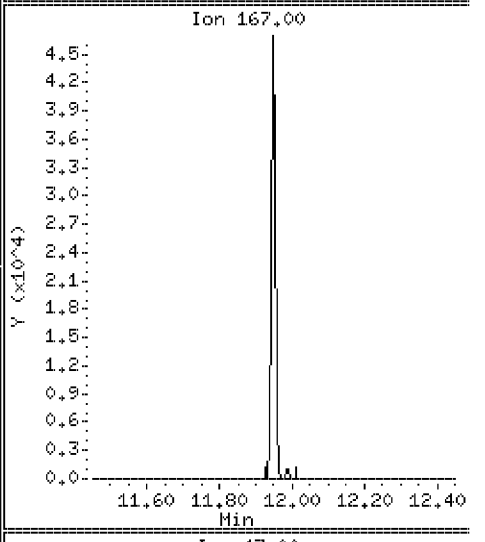
125 Di-n-octylphthalate

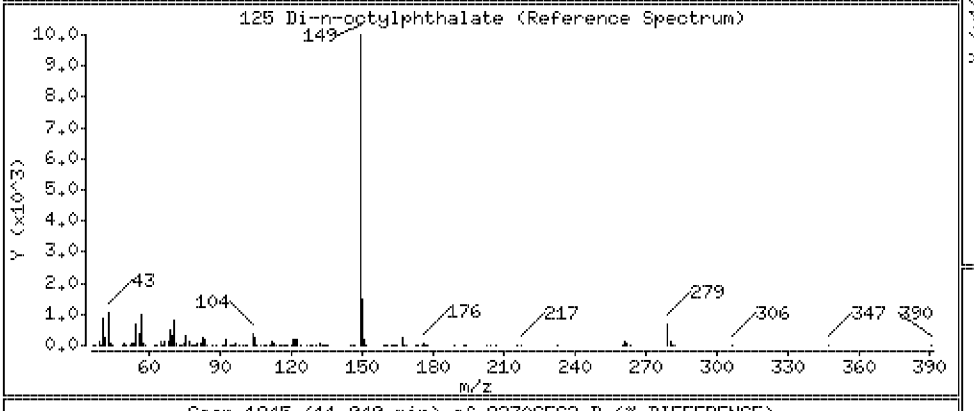
Concentration: 51.6 ug/l

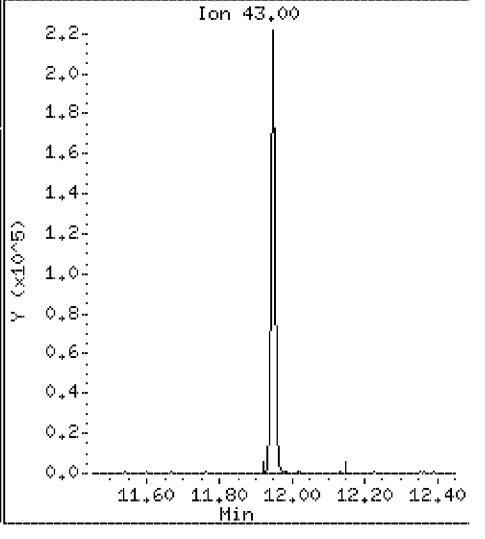


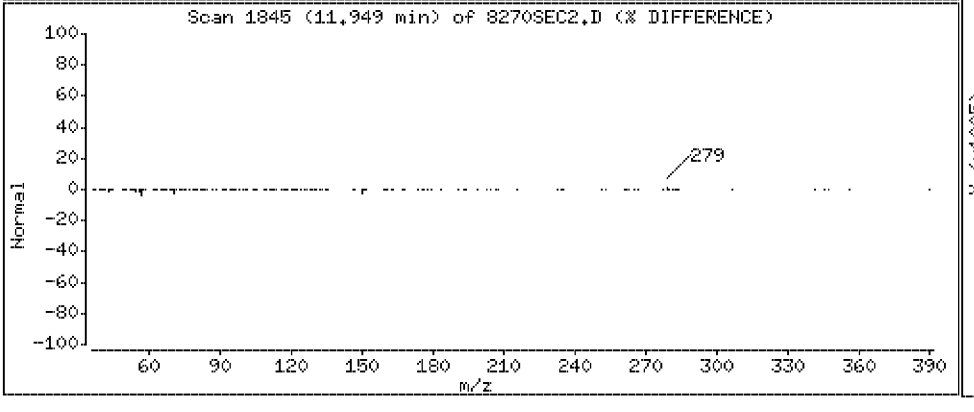












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

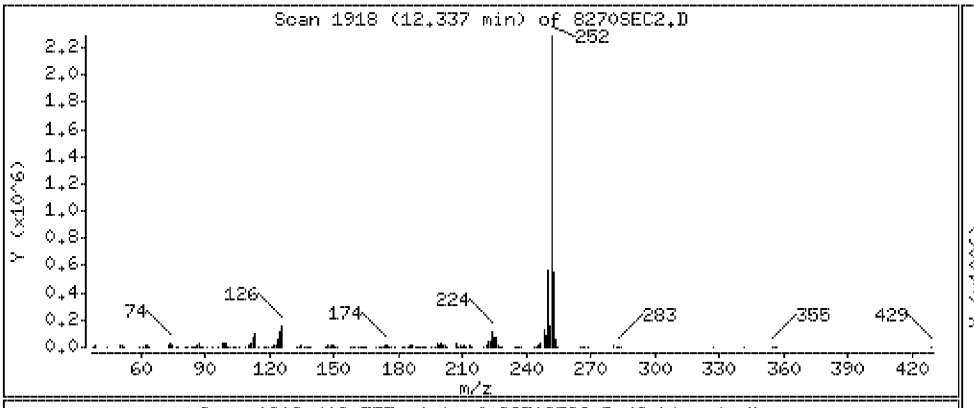
Operator: PEL

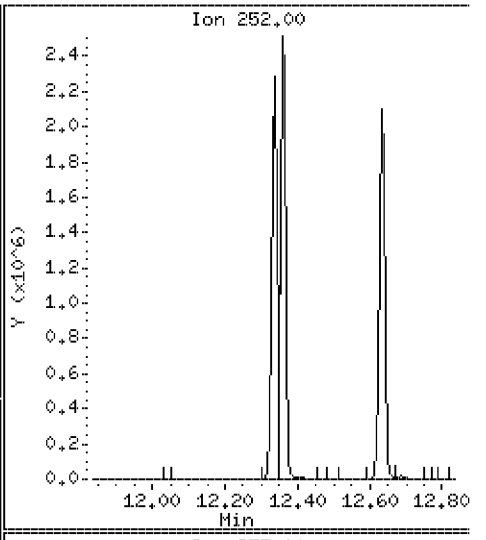
Column phase: HPMS-5

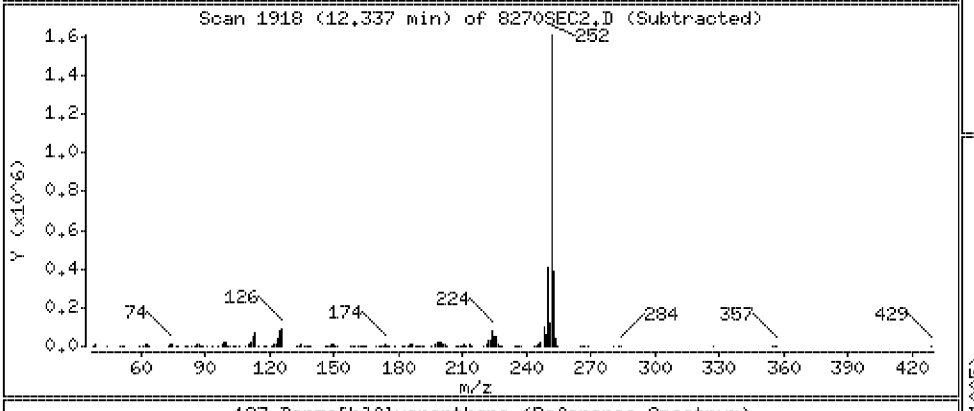
Column diameter: 0.25

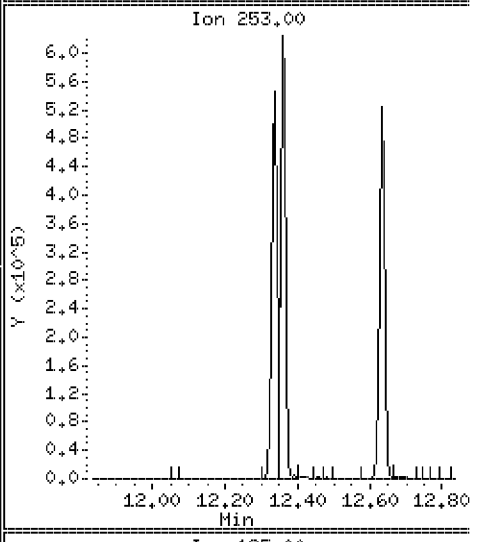
127 Benzo[b]fluoranthene

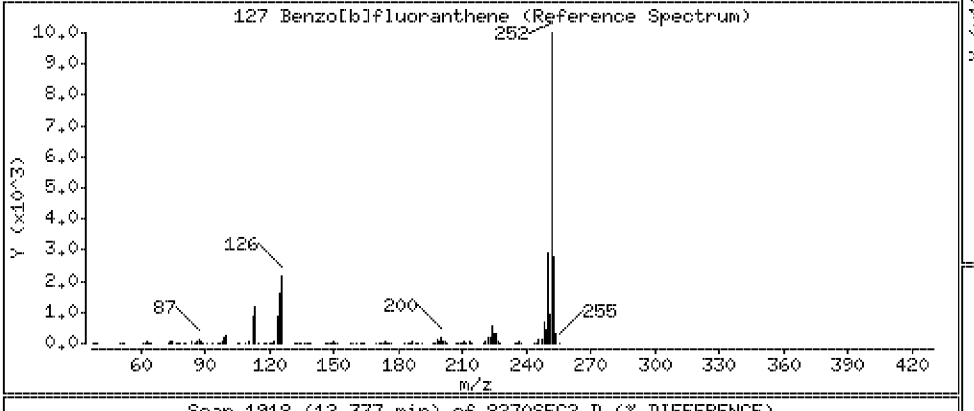
Concentration: 49.1 ug/l

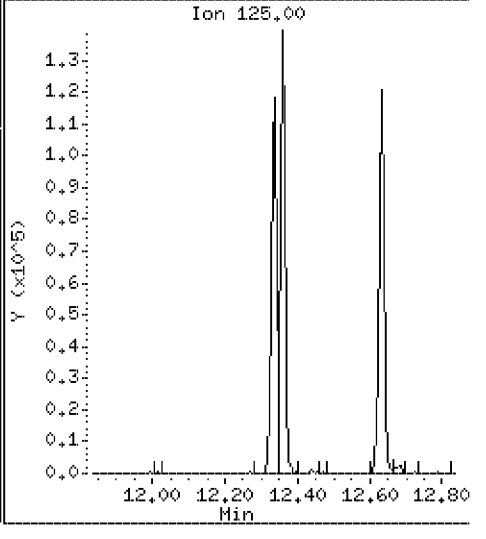


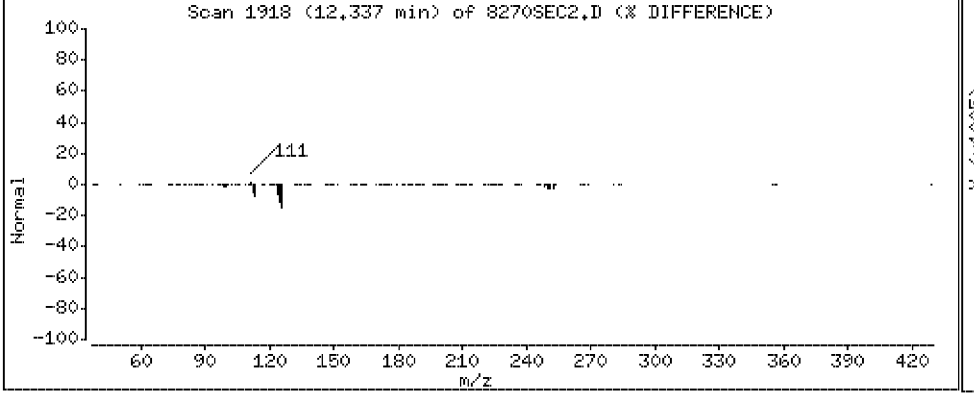












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

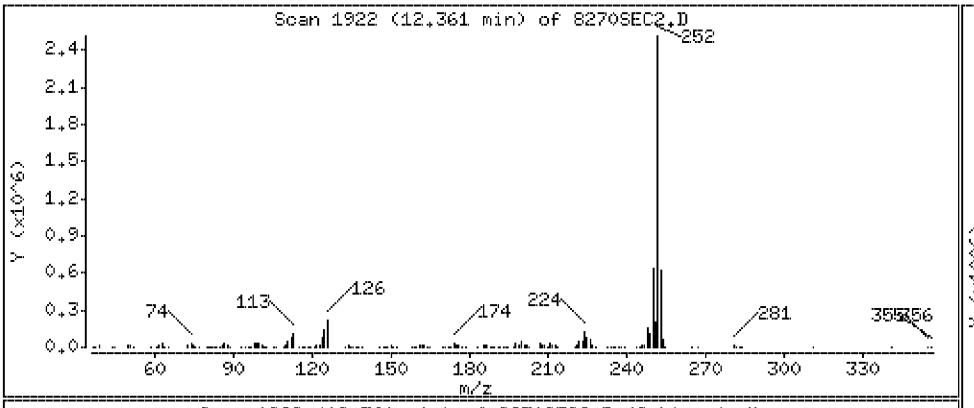
Operator: PEL

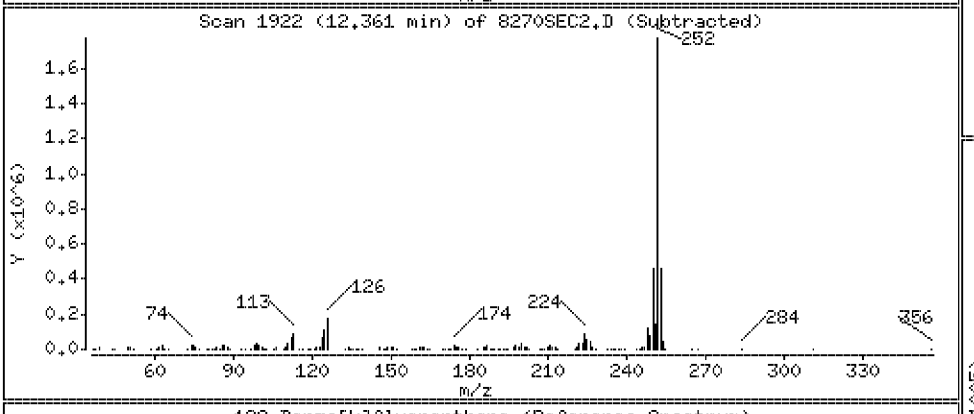
Column phase: HPMS-5

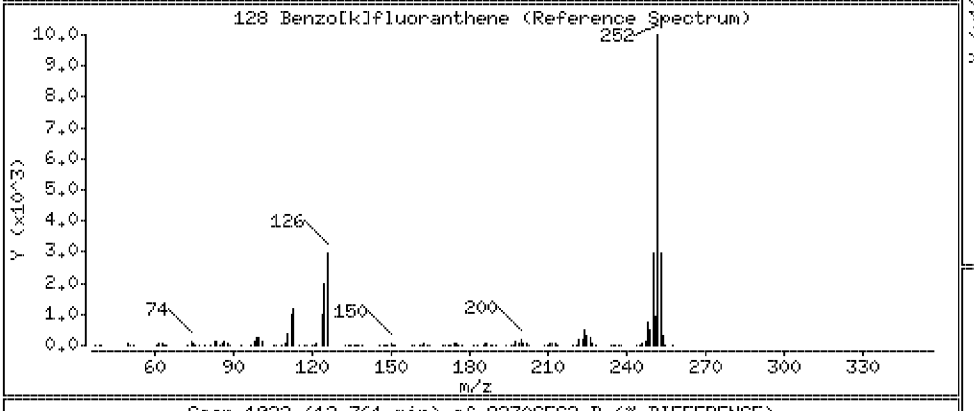
Column diameter: 0.25

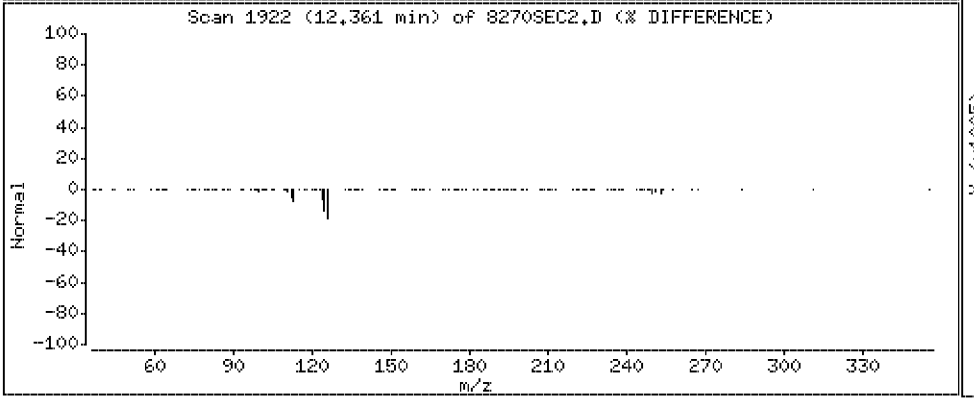
128 Benzo[k]fluoranthene

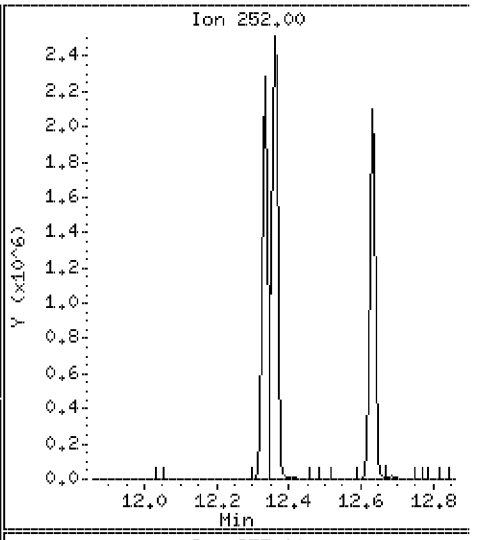
Concentration: 48.8 ug/l

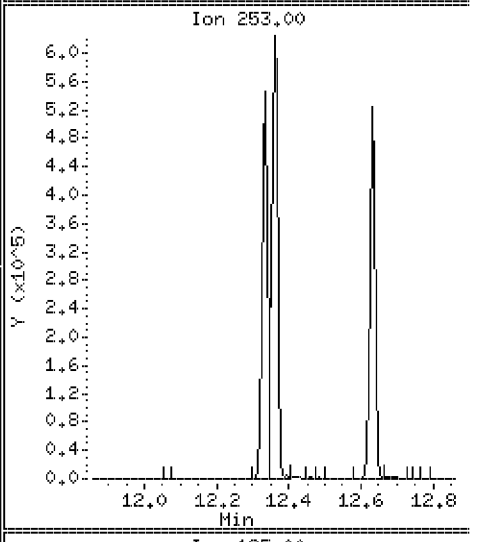


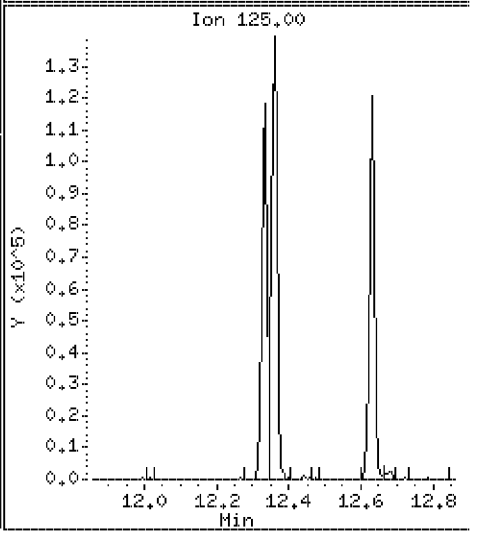












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

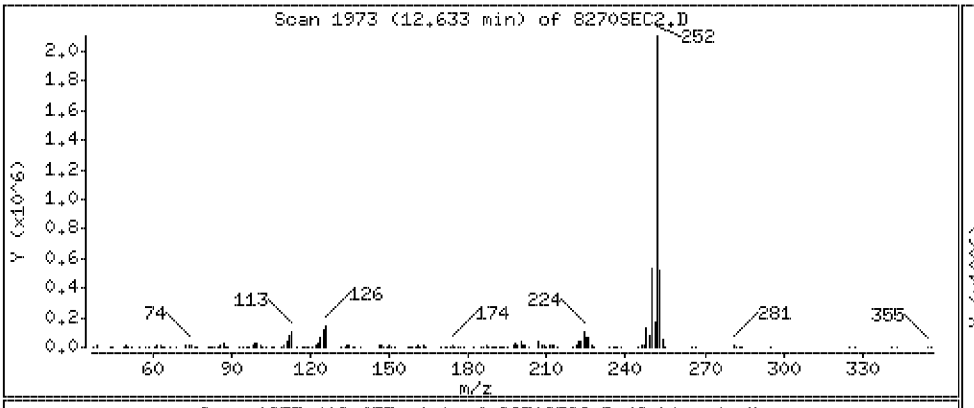
Operator: PEL

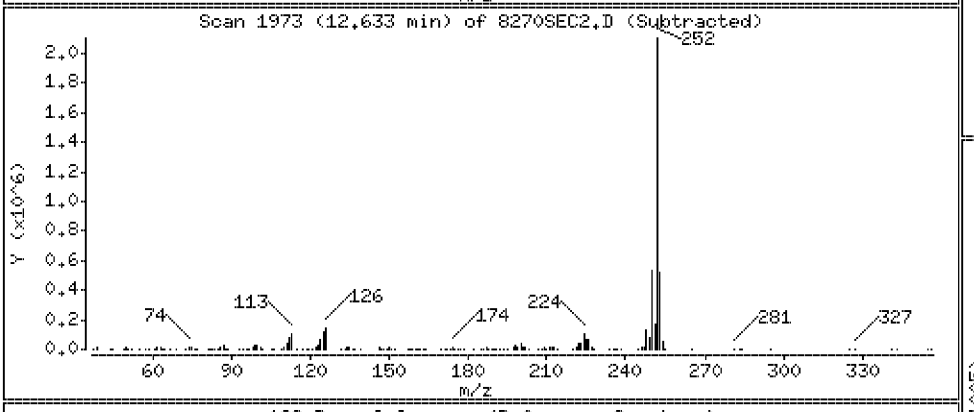
Column phase: HPMS-5

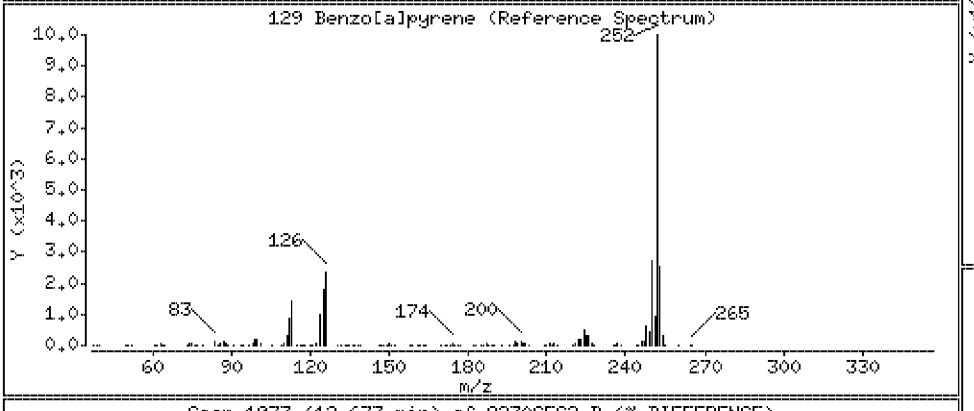
Column diameter: 0.25

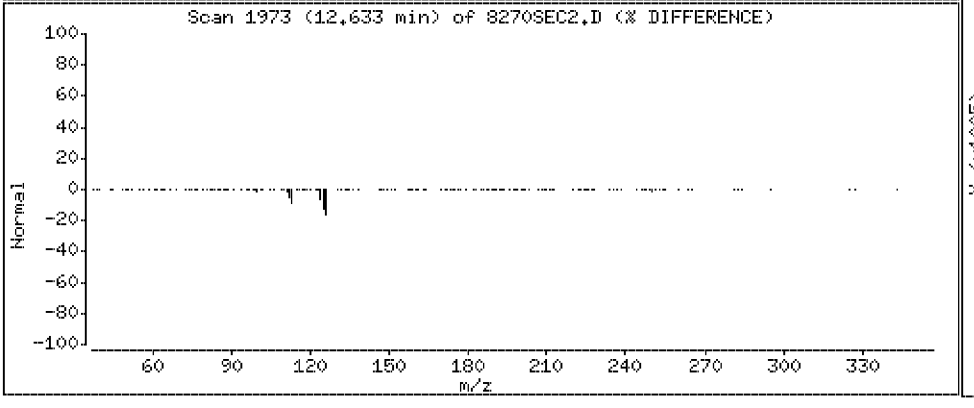
129 Benzo[a]pyrene

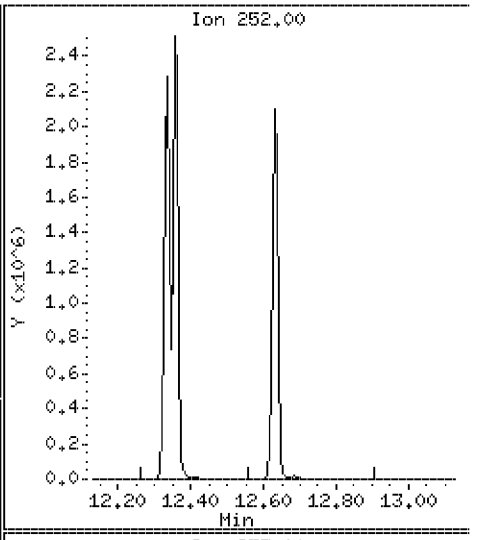
Concentration: 48.4 ug/l

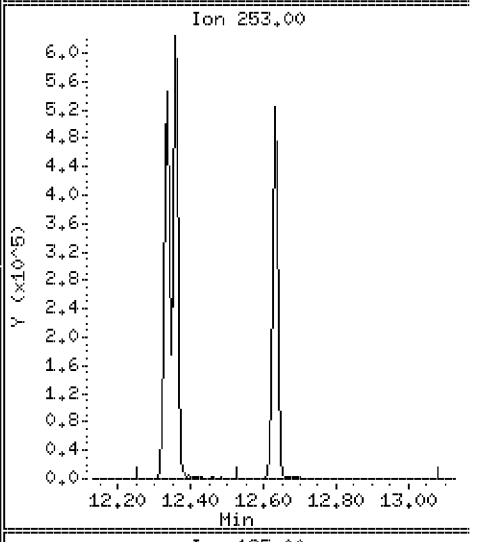


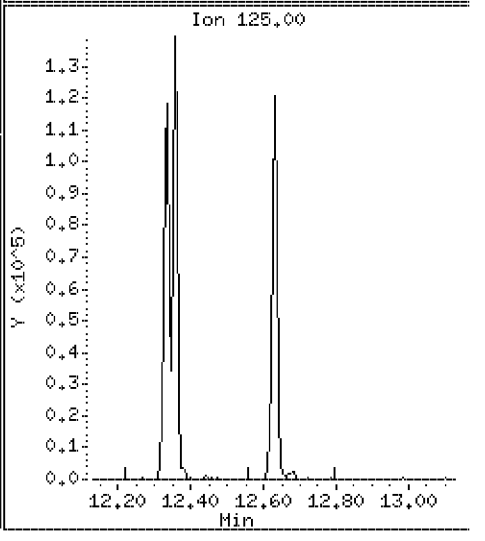












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

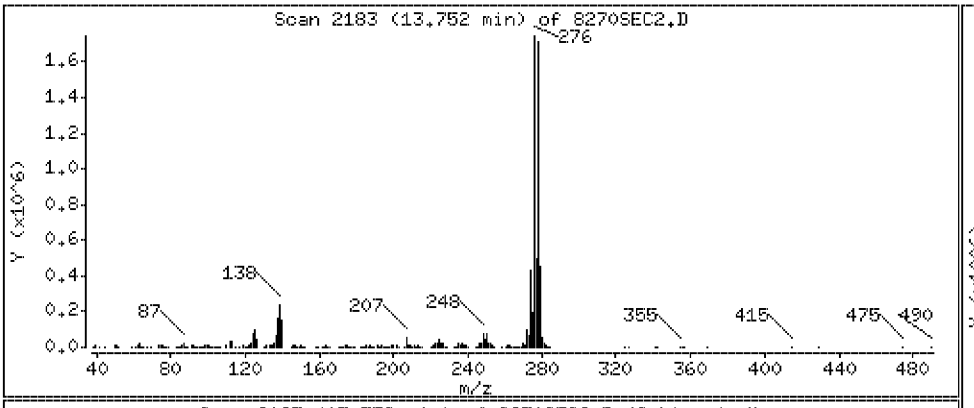
Operator: PEL

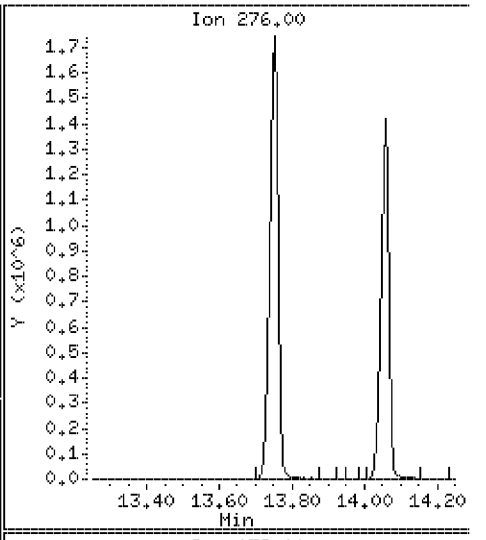
Column phase: HPMS-5

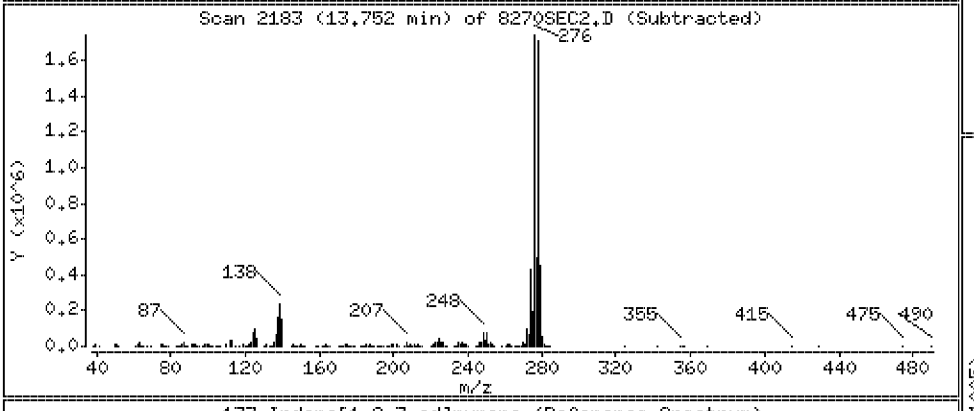
Column diameter: 0.25

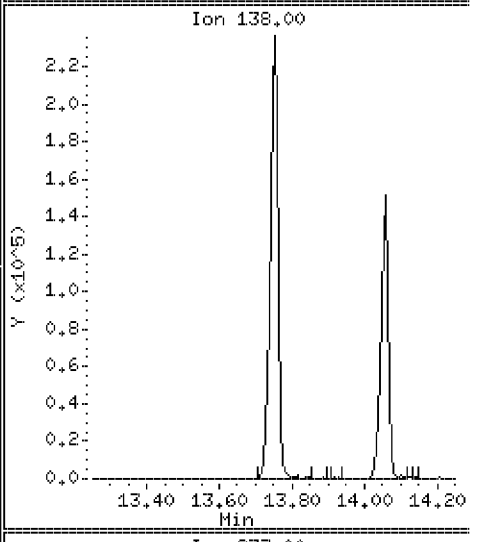
133 Indeno[1,2,3-cd]pyrene

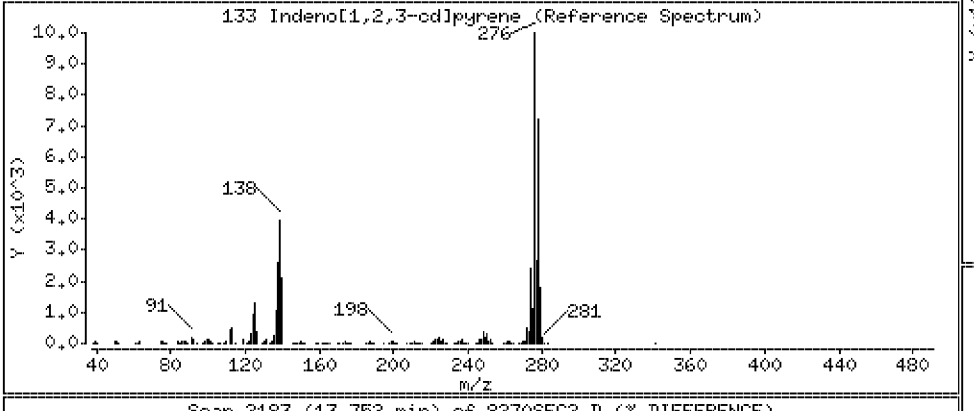
Concentration: 48.5 ug/l

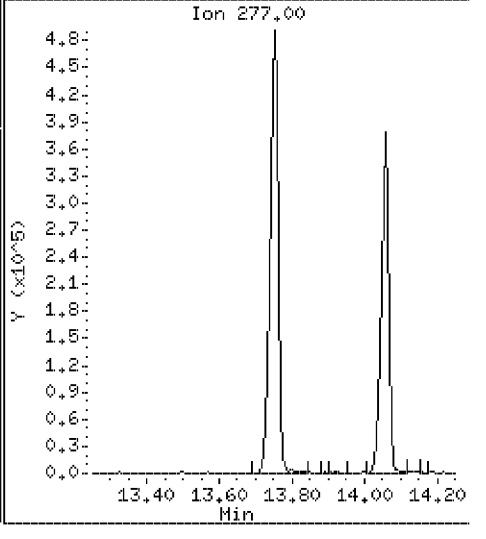


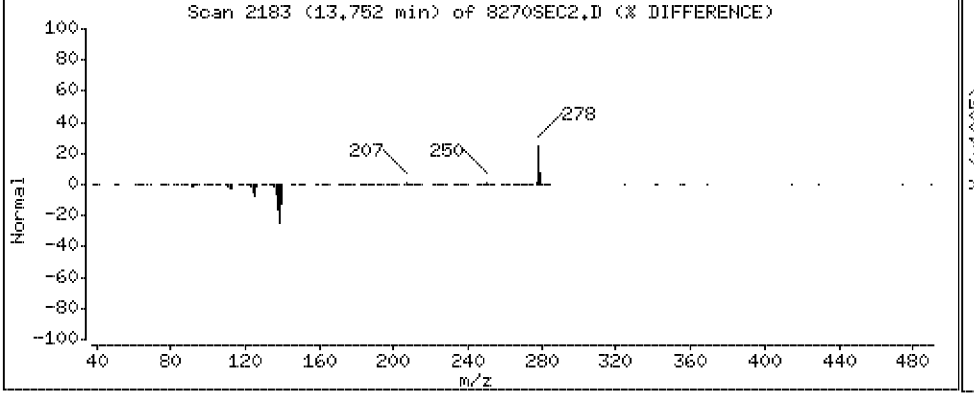












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

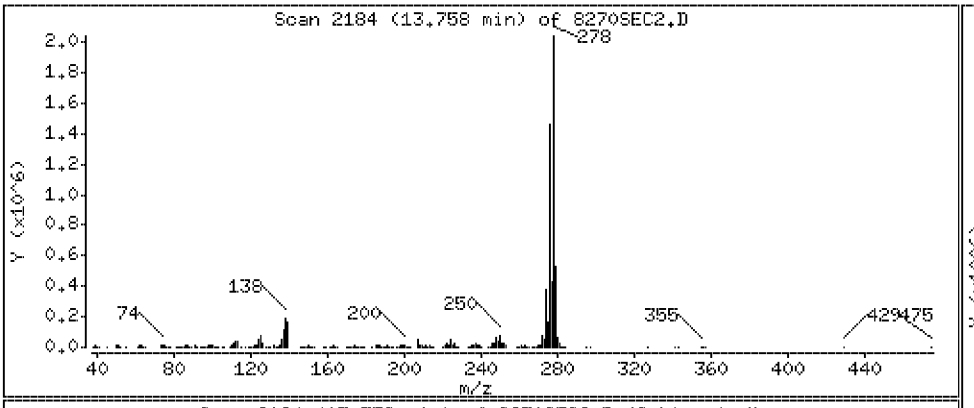
Operator: PEL

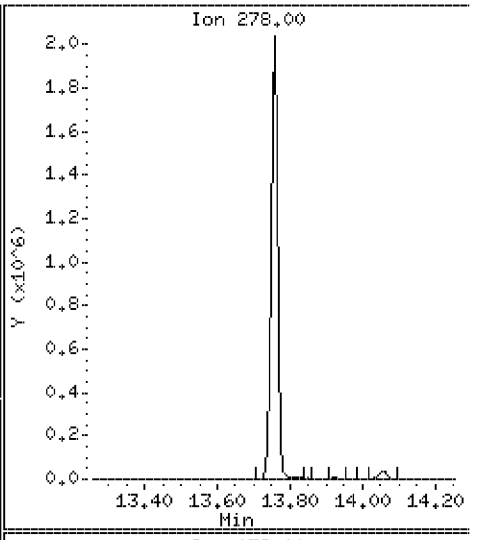
Column phase: HPMS-5

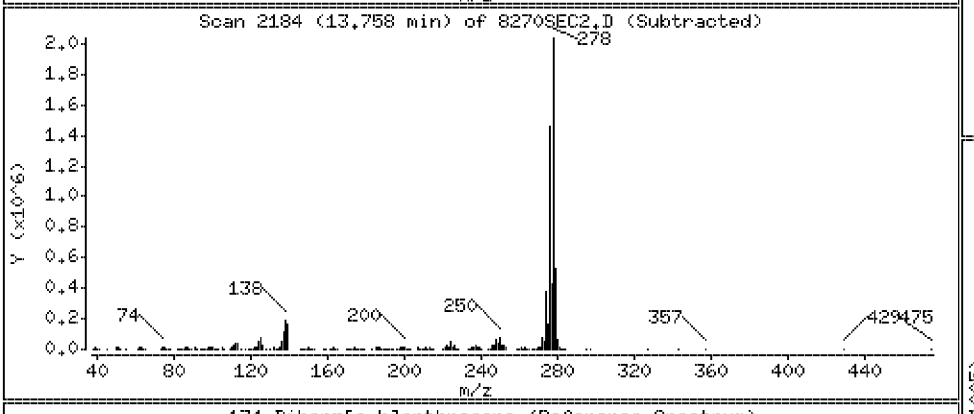
Column diameter: 0.25

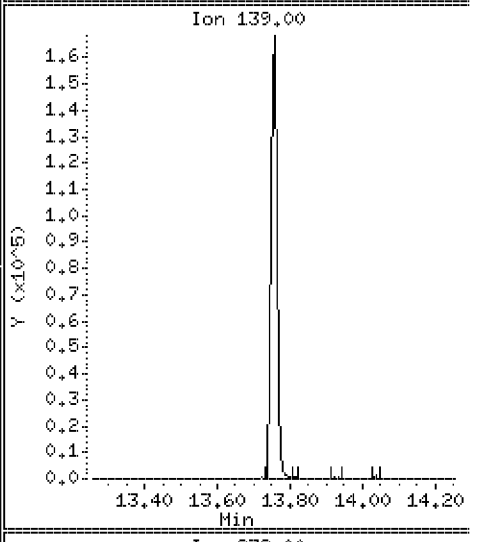
134 Dibenz[a,h]anthracene

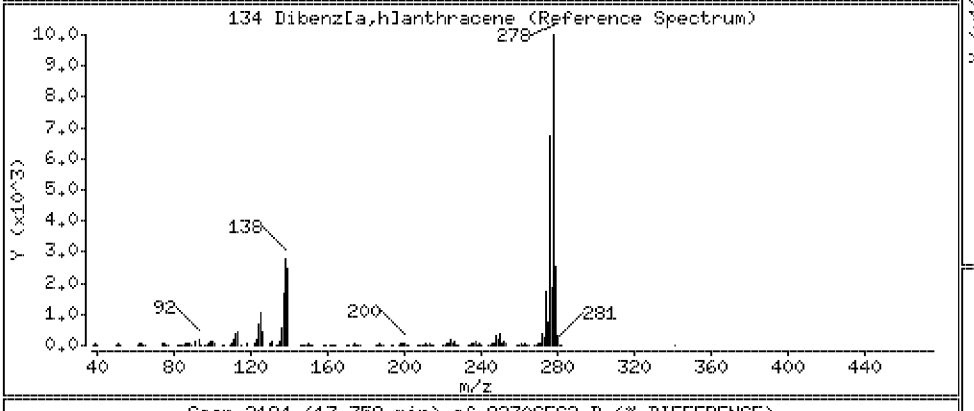
Concentration: 49.4 ug/l

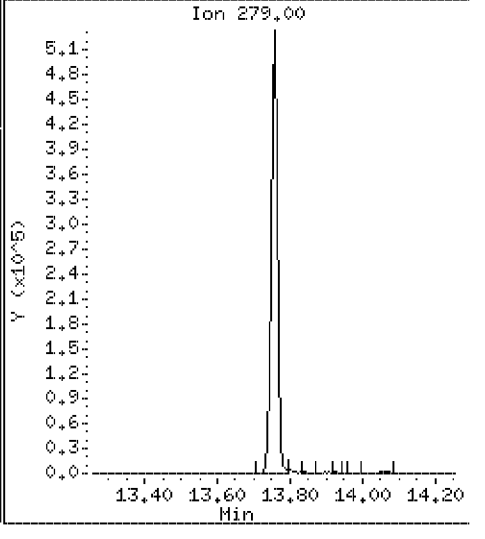


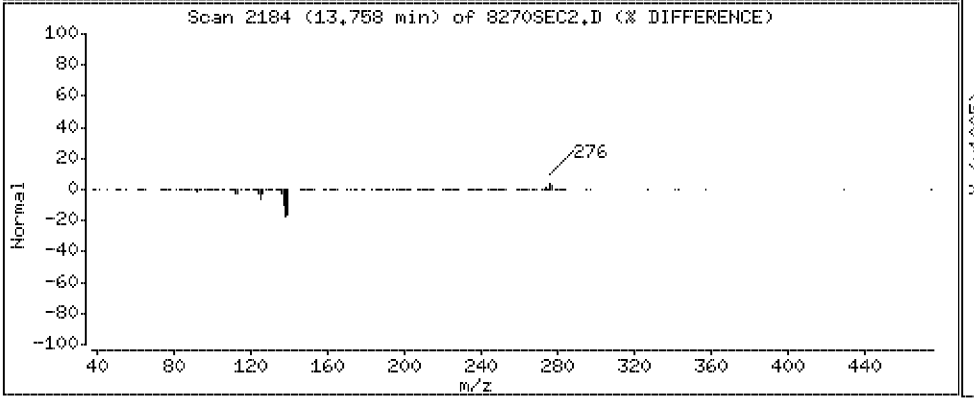












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270SEC2.D

Date : 23-APR-2012 13:33

Client ID: 8270SEC

Instrument: smsd03.i

Sample Info: 45872

Purge Volume: 1000.0

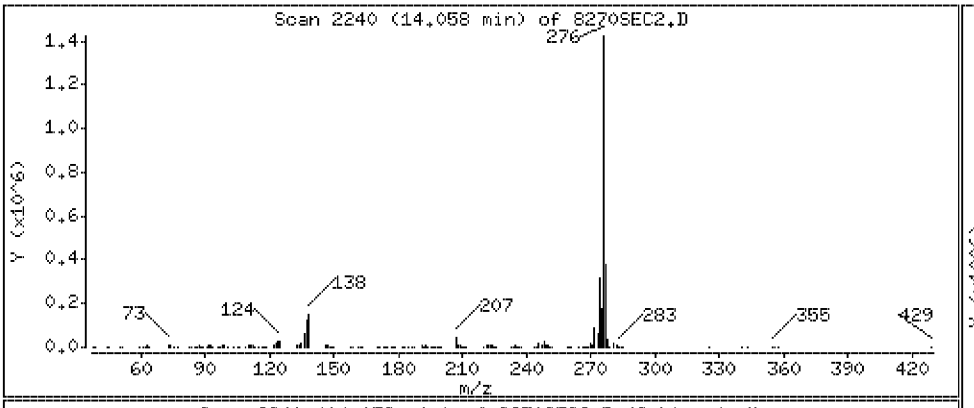
Operator: PEL

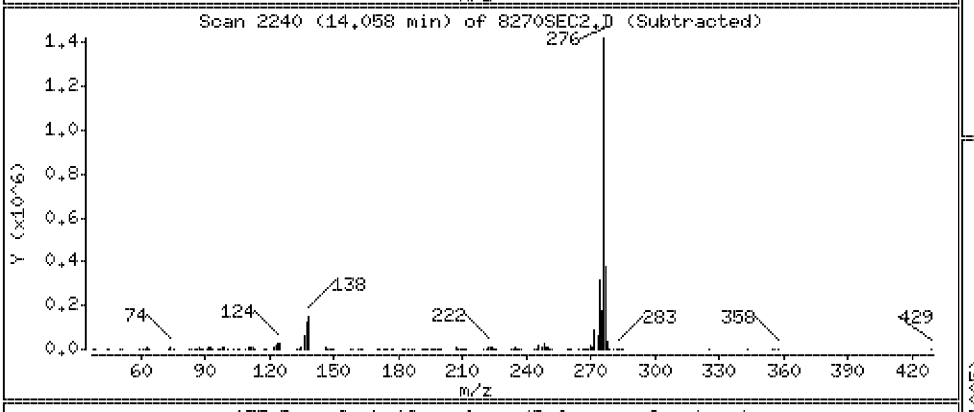
Column phase: HPMS-5

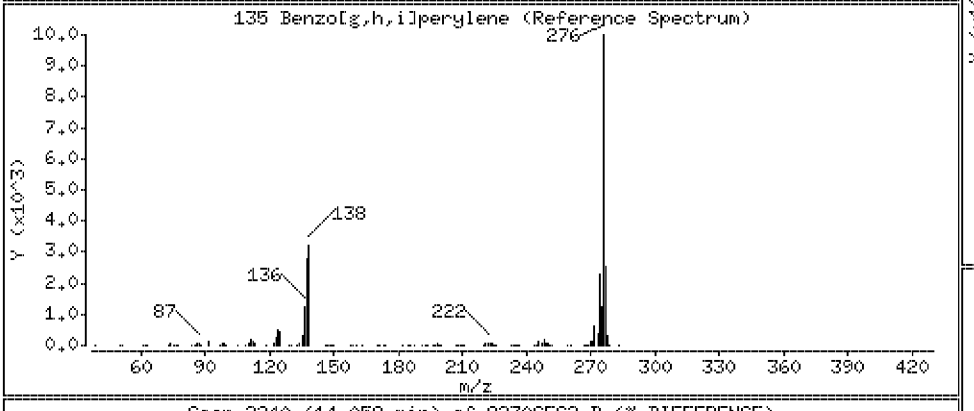
Column diameter: 0.25

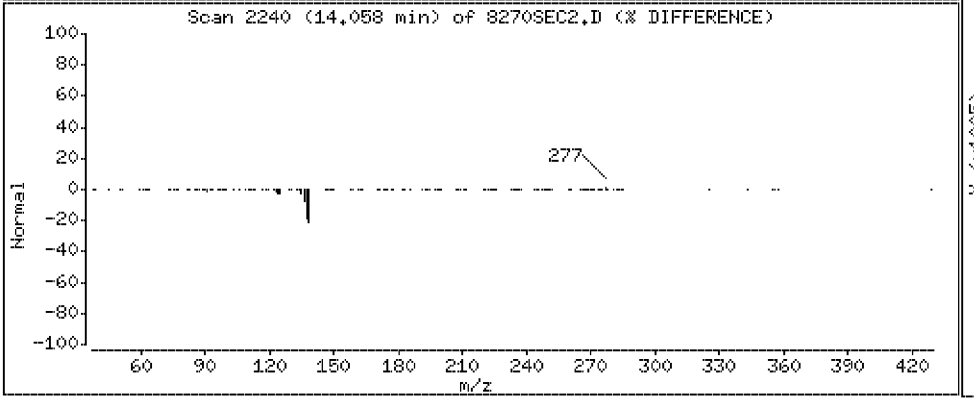
135 Benzo[g,h,i]perylene

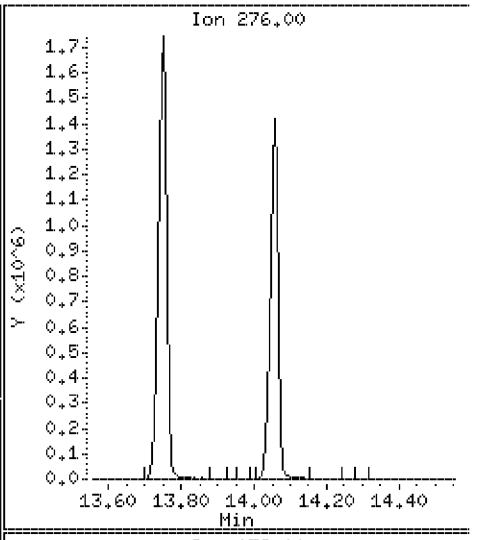
Concentration: 48.1 ug/l

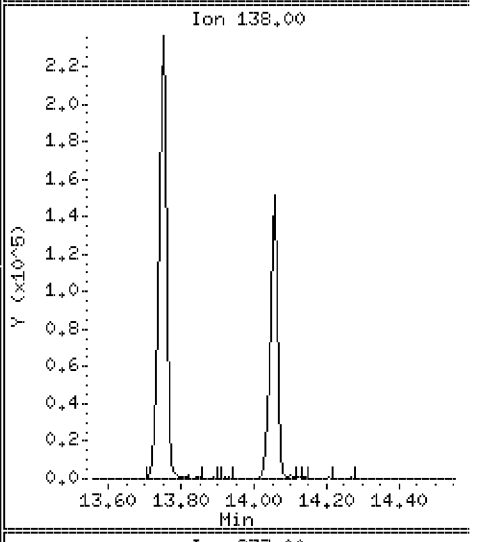


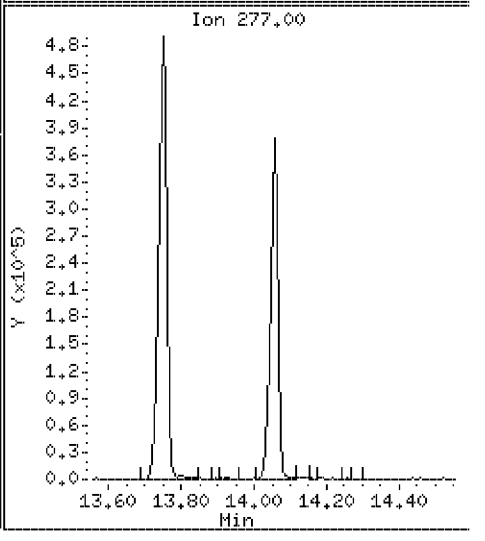












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D
Lab Smp Id: 45933 Client Smp ID: BSCAL7
Inj Date : 23-APR-2012 13:56 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45933
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 13:56 Cal File: BSCAL7.D
Als bottle: 10 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
4.077	4.161	(0.917)	77	915284	100.000	108	70.00- 130.00	100.00(AQ)
4.077	4.161	(0.917)	106	729400			0.00- 30.92	79.69
4.076	4.161	(0.917)	51	321699			231.65- 291.65	35.15
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.447	4.448	(1.000)	152	278178	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	176607			32.20- 92.20	63.49
4.447	4.448	(1.000)	150	423466			139.77- 199.77	152.23
25 Acetophenone						CAS #: 98-86-2		
4.801	4.807	(0.856)	105	1522162	100.000	114	70.00- 130.00	100.00(A)
4.800	4.807	(0.856)	77	1455957			4410.01-4470.01	95.65
4.800	4.807	(0.856)	51	376287			1262.06-1322.06	24.72
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.607	5.610	(1.000)	136	931008	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	52964			0.00- 35.51	5.69
50 Caprolactam						CAS #: 105-60-2		
6.016	6.158	(1.073)	55	288615	100.000	103	70.00- 130.00	100.00(AQ)
6.018	6.158	(1.073)	113	295383			106.52- 166.52	102.34

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
6.017	6.158	(1.073)	85	224140			55.05- 115.05	77.66
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.742	6.642	(0.923)	154	2811365	100.000	106	70.00- 130.00	100.00(AQ)
6.741	6.642	(0.923)	76	392940			1762.39-1822.39	13.98
6.740	6.642	(0.923)	51	184172			1618.22-1678.22	6.55
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	665347	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	629917			64.73- 124.73	94.67
7.303	7.305	(1.000)	160	289274			12.46- 72.46	43.48
	95 Atrazine					CAS #: 1912-24-9		
8.485	8.479	(0.969)	200	961090	100.000	112	80.00- 120.00	100.00(AQ)
8.483	8.479	(0.969)	58	233725			0.00- 52.18	24.32
8.485	8.479	(0.969)	215	517385			22.24- 82.24	53.83
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1280870	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	81807			0.00- 36.35	6.39
8.757	8.761	(1.000)	80	94249			0.00- 37.82	7.36
	110 Benzidine					CAS #: 92-87-5		
10.089	10.322	(0.889)	184	3004438	100.000	126	70.00- 130.00	100.00(AQ)
10.088	10.322	(0.888)	92	175562			36.43- 96.43	5.84
10.089	10.322	(0.889)	185	482981			0.00- 47.46	16.08
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.325	11.321	(0.997)	252	2242145	100.000	108	80.00- 120.00	100.00(AQ)
11.325	11.321	(0.997)	254	1527384			34.83- 94.83	68.12
11.324	11.321	(0.997)	126	179413			0.00- 37.08	8.00
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1769136	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	95719			0.00- 36.38	5.41
11.354	11.359	(1.000)	236	458976			0.00- 57.06	25.94
*	130 Perylene-d12					CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	1762574	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	439862			0.00- 54.80	24.96
12.682	12.682	(1.000)	265	415014			0.00- 53.39	23.55

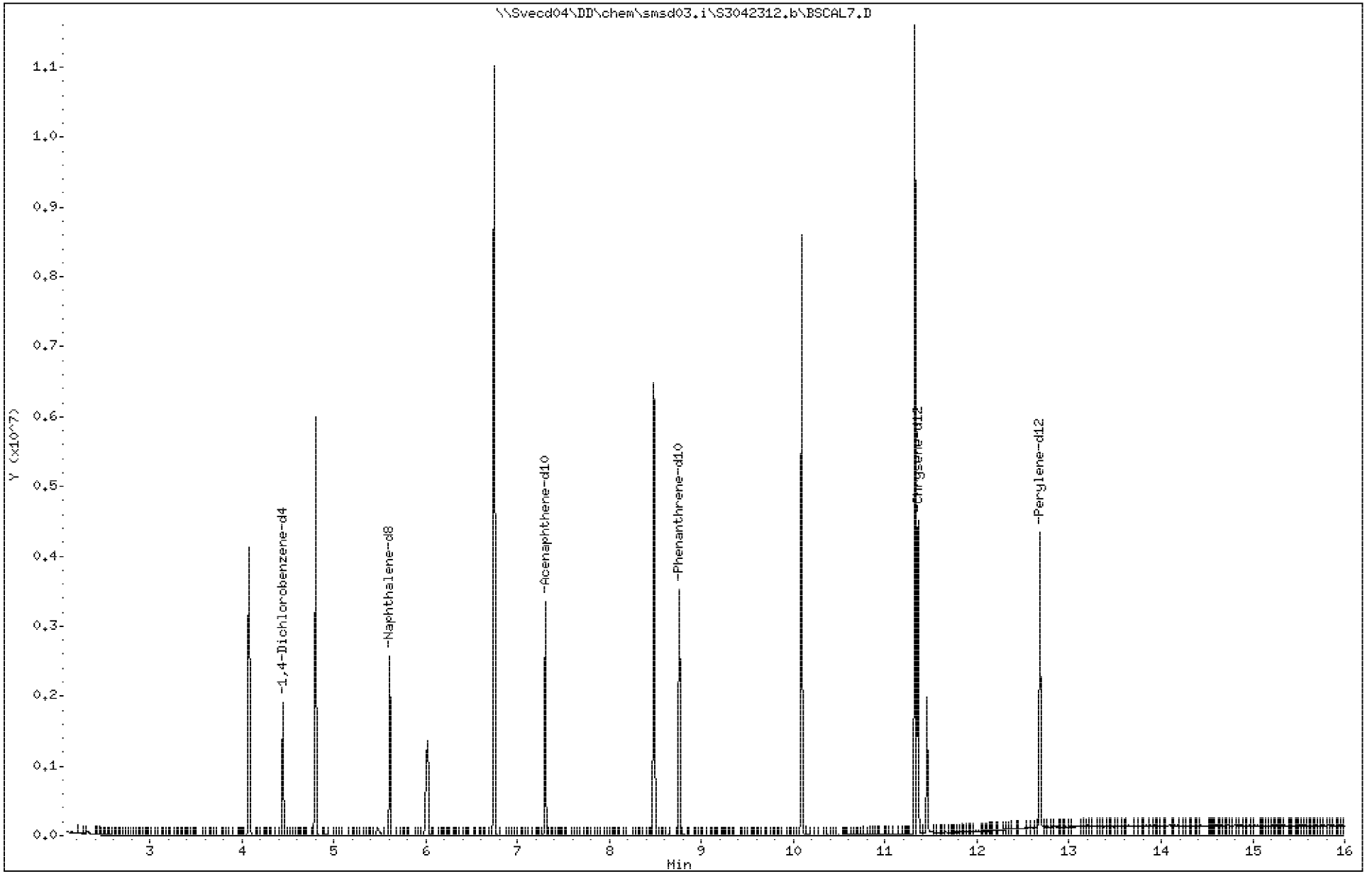
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D
Date : 23-APR-2012 13:56
Client ID: BSCAL7
Instrument: smsd03.i
Sample Info: 45933
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1533

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D

Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

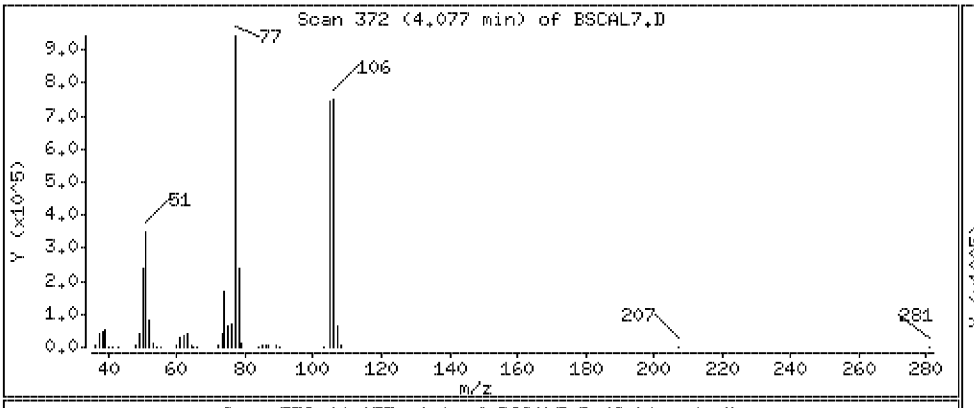
Operator: PEL

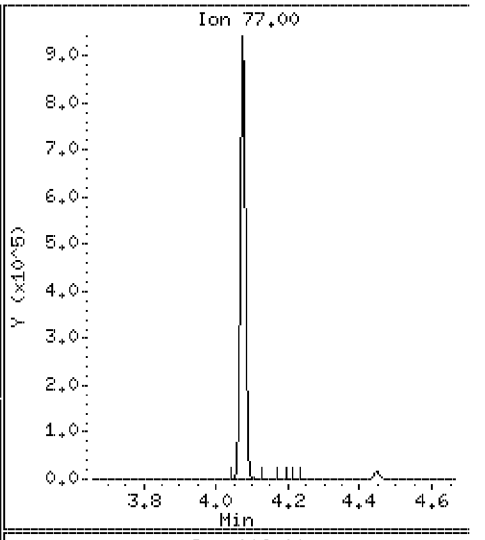
Column phase: HPMS-5

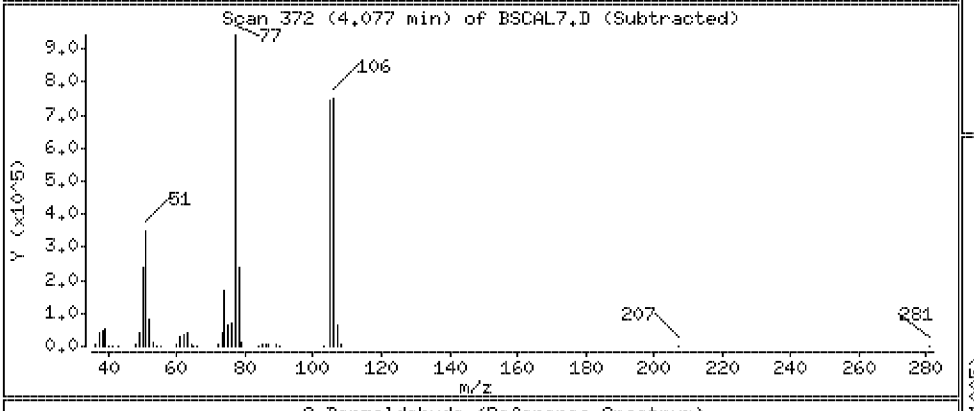
Column diameter: 0.25

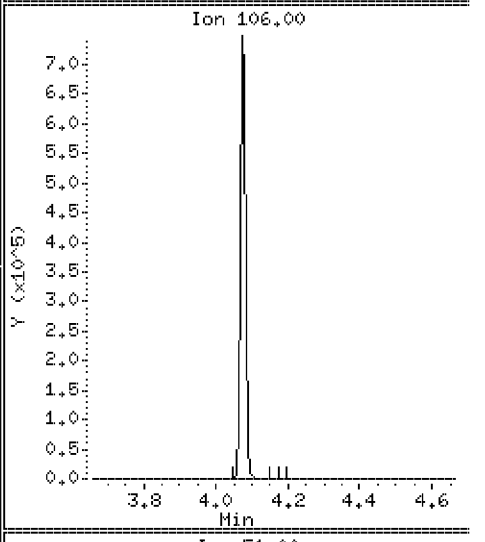
9 Benzaldehyde

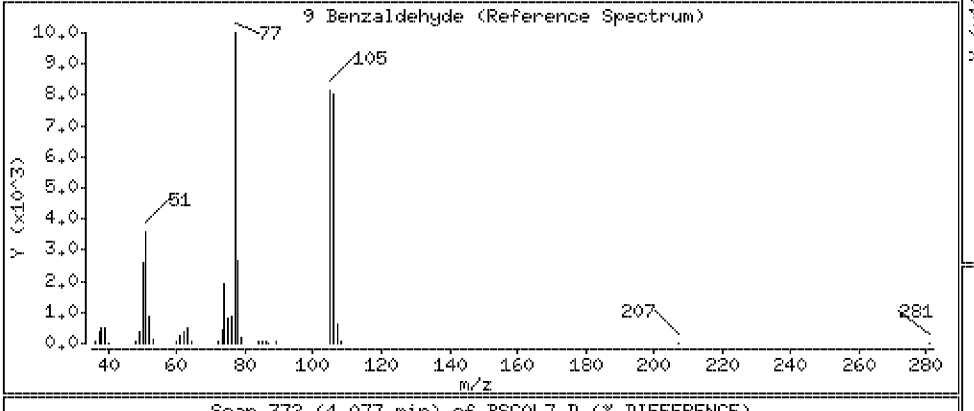
Concentration: 108 ug/l

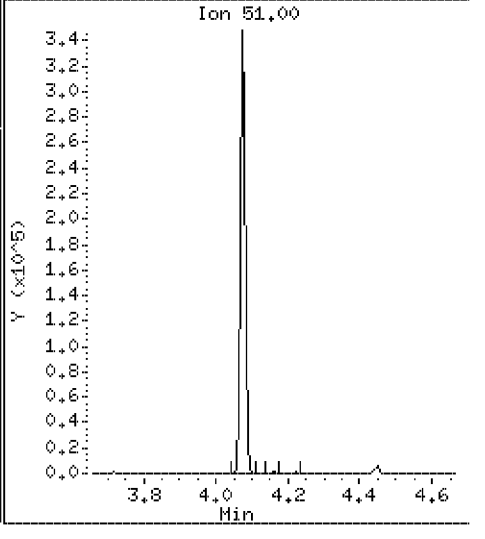


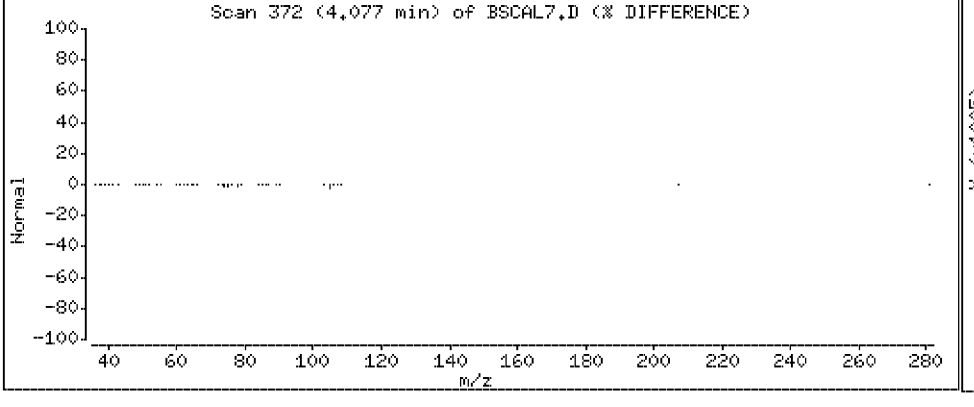












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D

Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

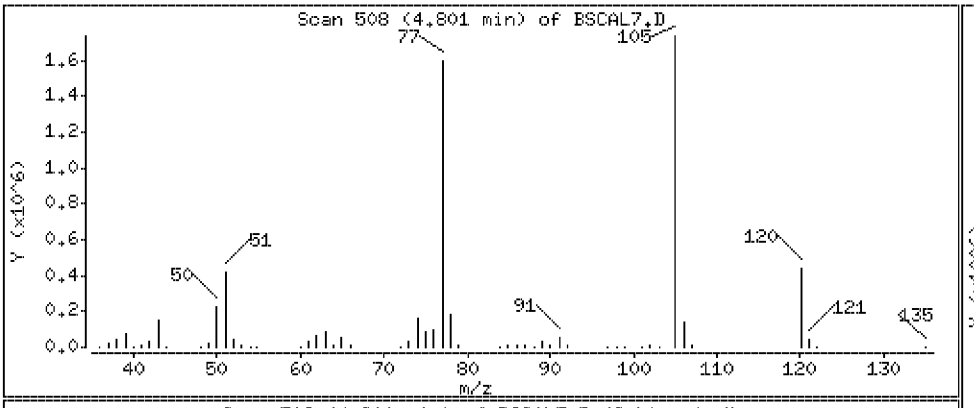
Operator: PEL

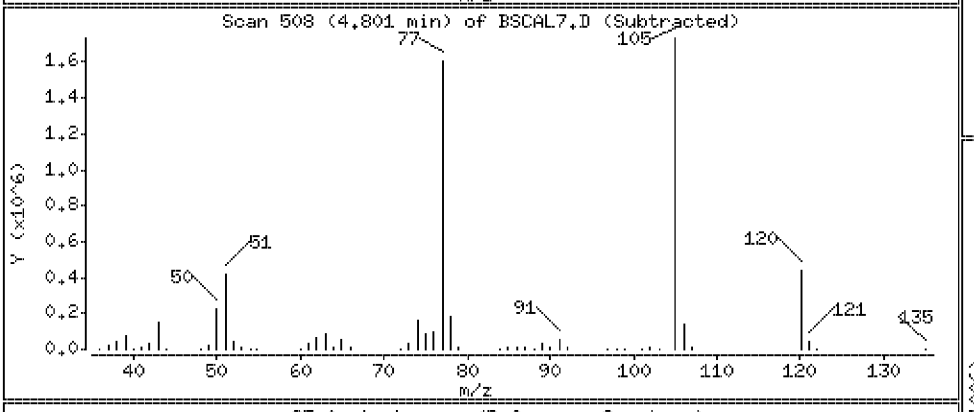
Column phase: HPMS-5

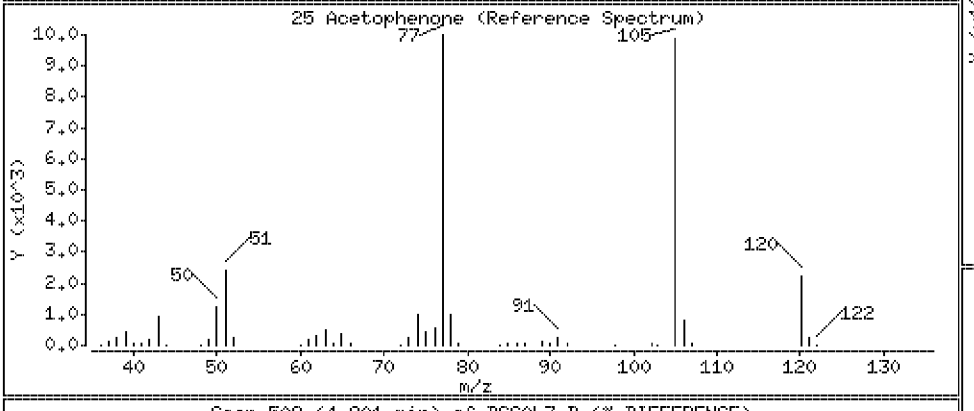
Column diameter: 0.25

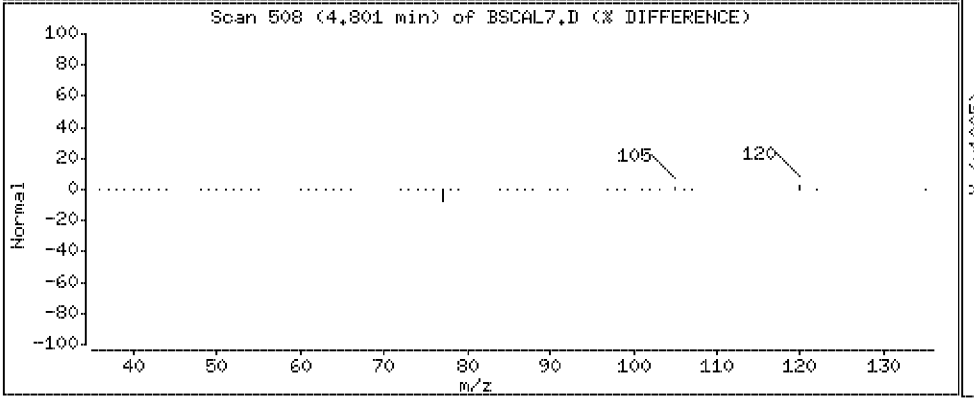
25 Acetophenone

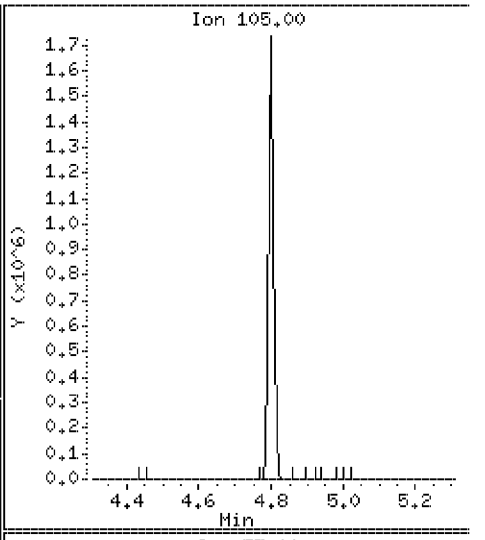
Concentration: 114 ug/l

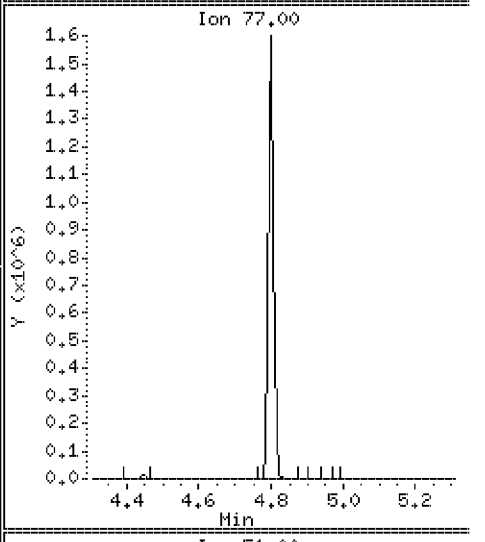


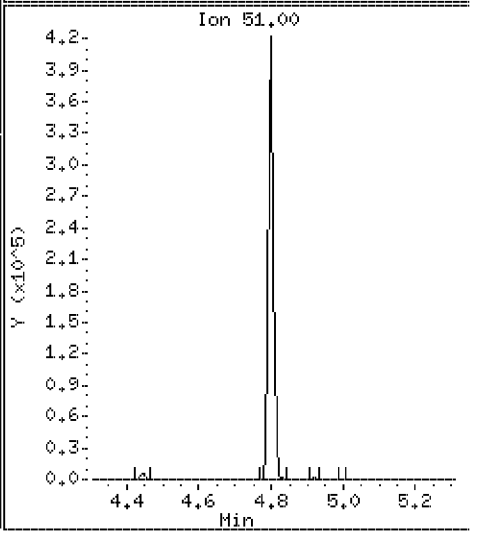












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D

Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

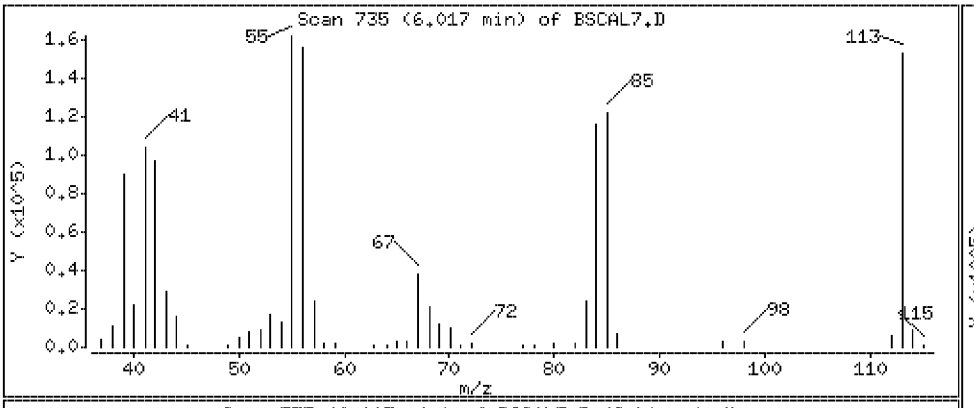
Operator: PEL

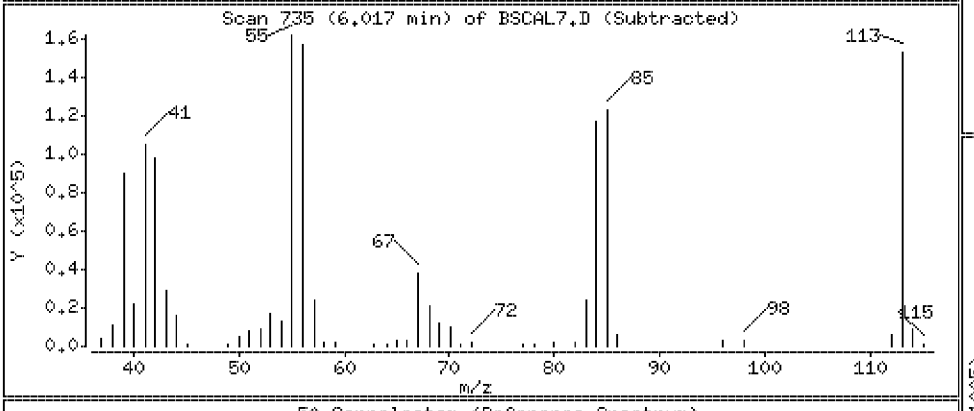
Column phase: HPMS-5

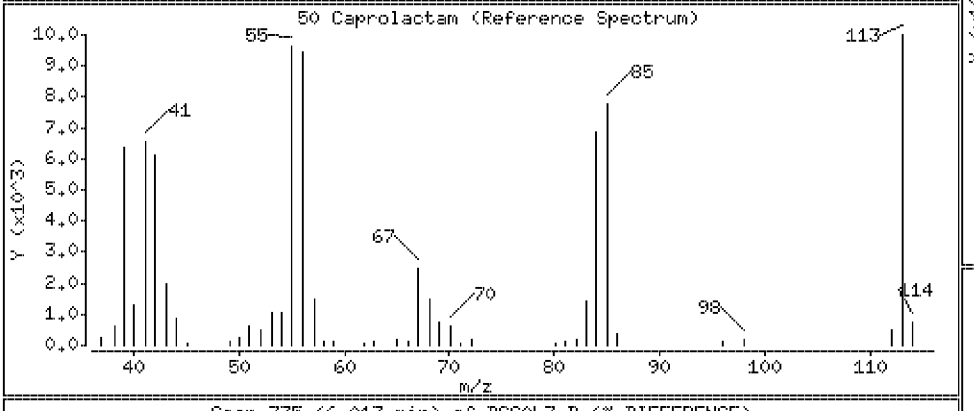
Column diameter: 0.25

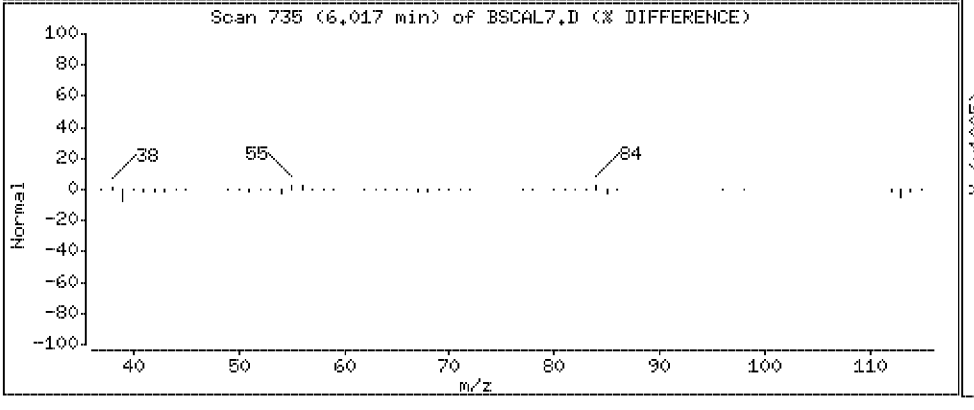
50 Caprolactam

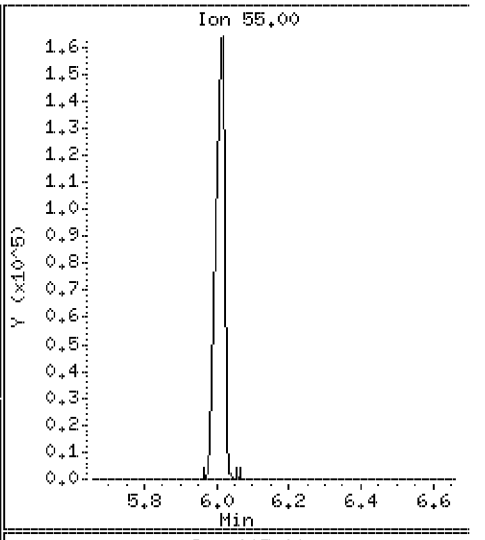
Concentration: 103 ug/l

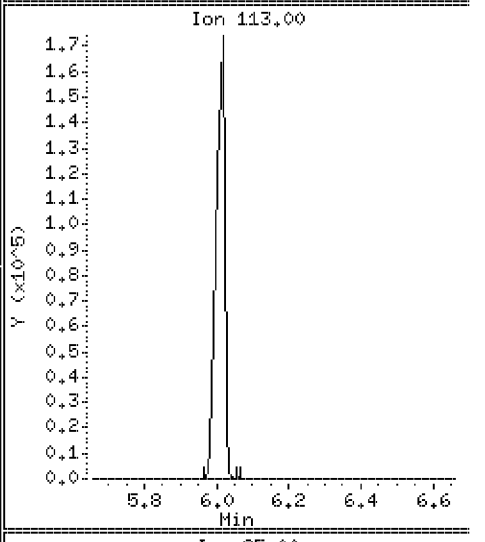


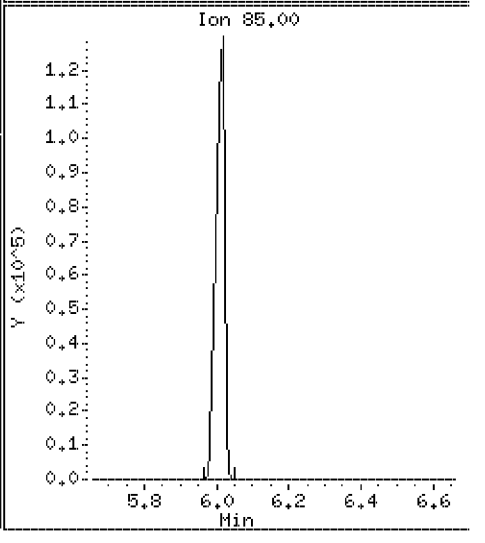












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL7.D

Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

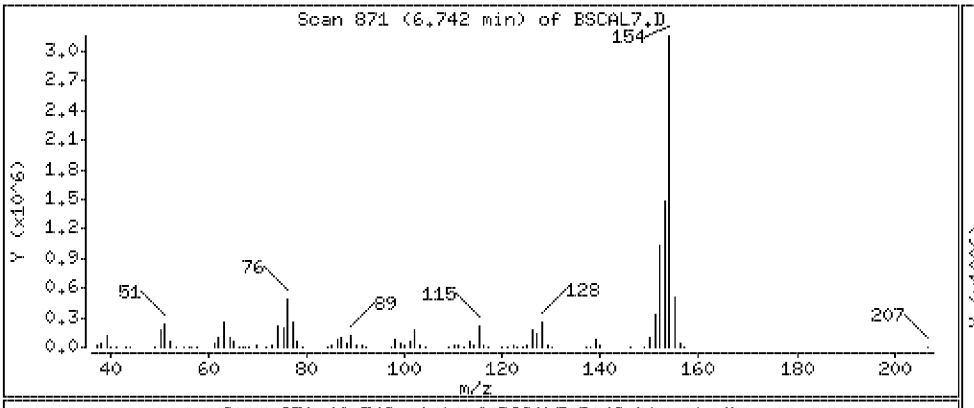
Operator: PEL

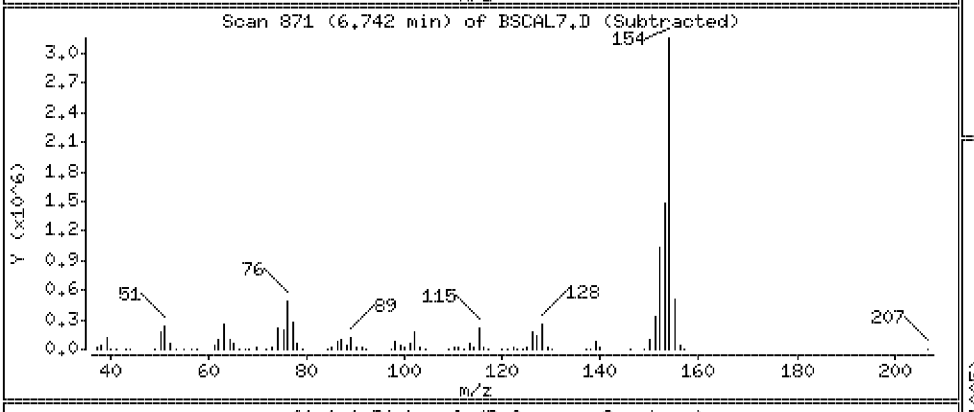
Column phase: HPMS-5

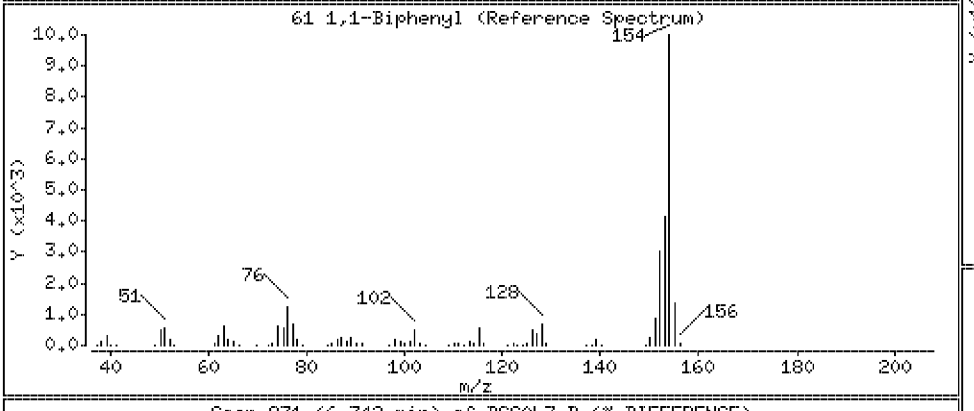
Column diameter: 0.25

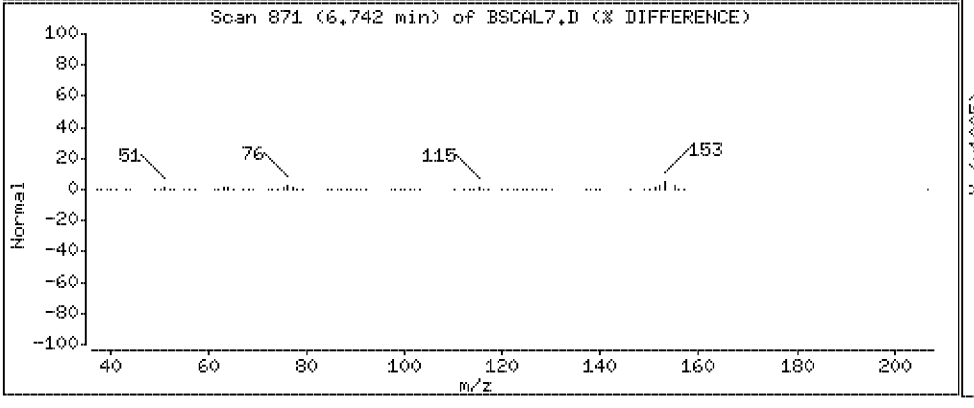
61 1,1-Biphenyl

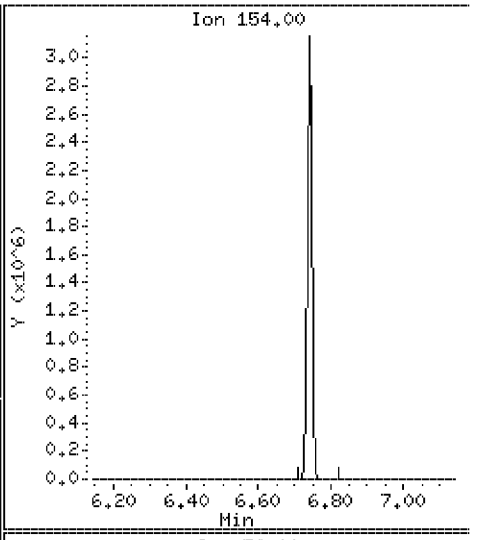
Concentration: 106 ug/l

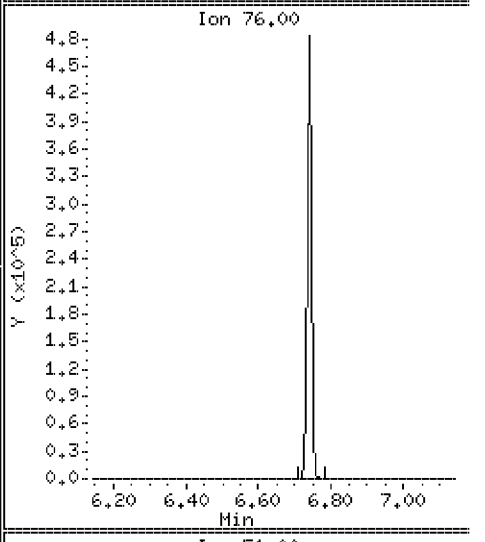


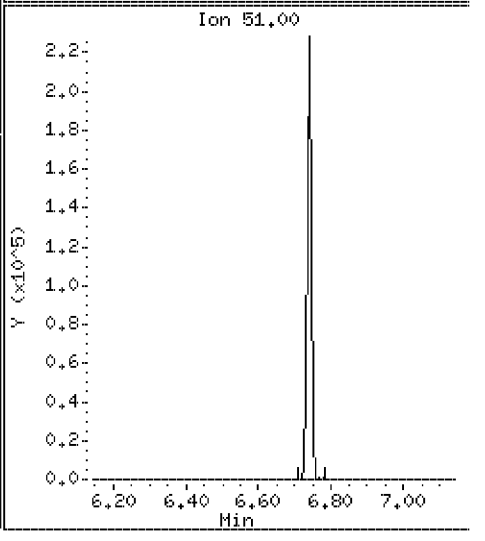












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Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

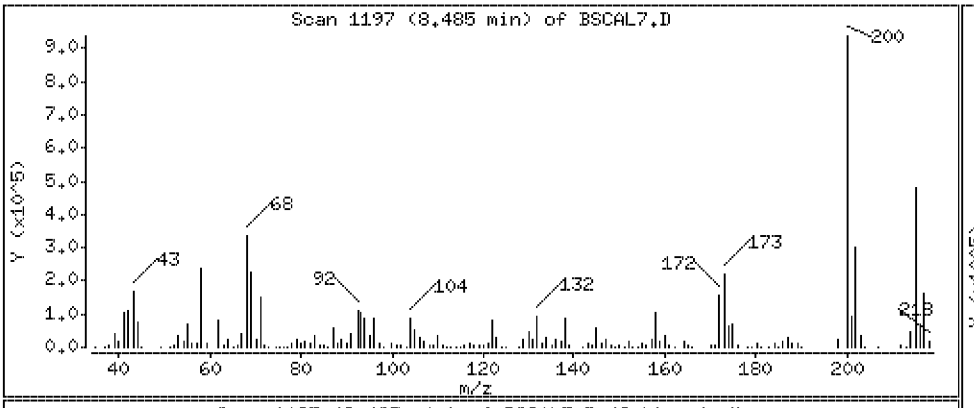
Operator: PEL

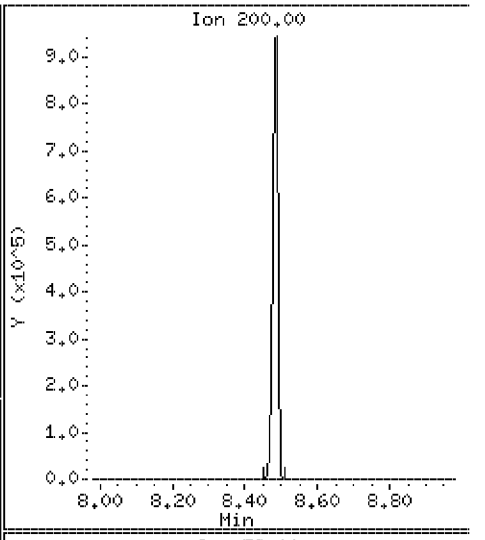
Column phase: HPMS-5

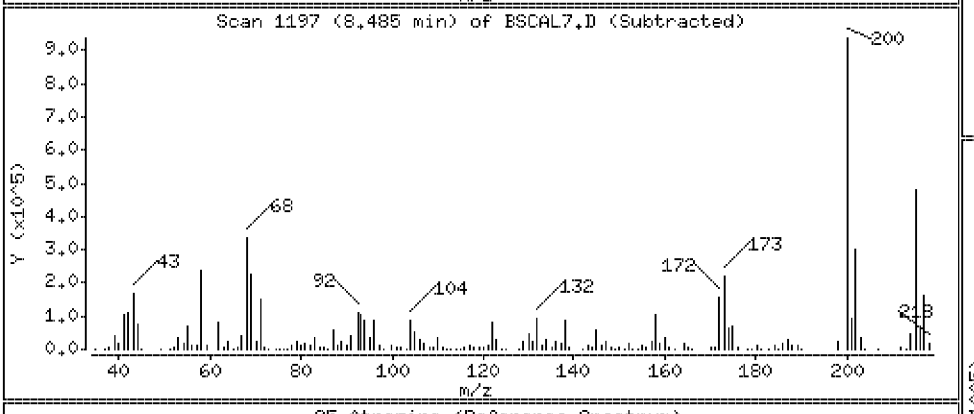
Column diameter: 0.25

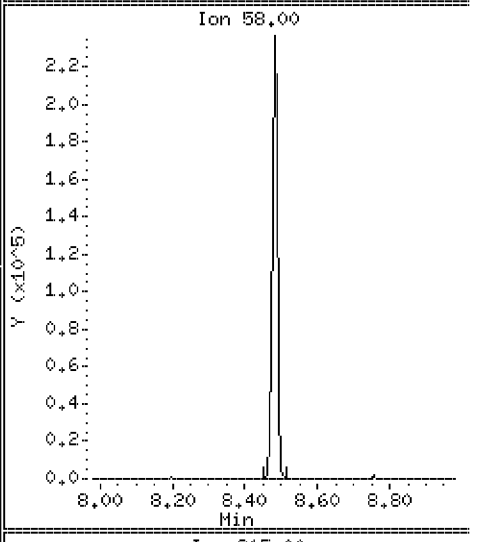
95 Atrazine

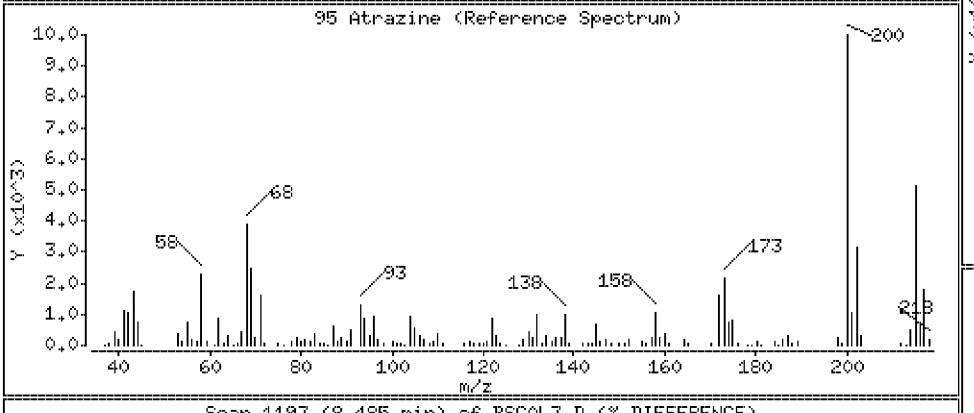
Concentration: 112 ug/l

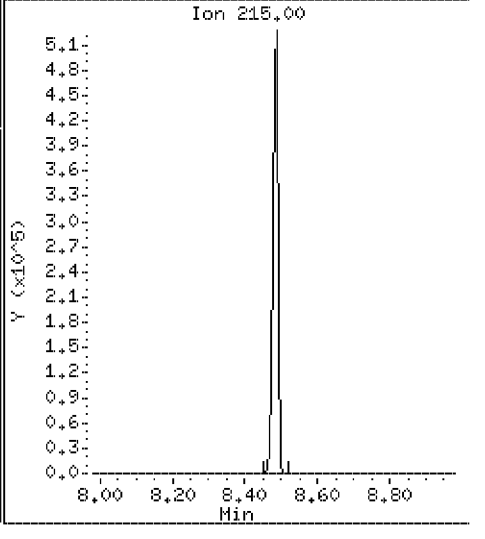


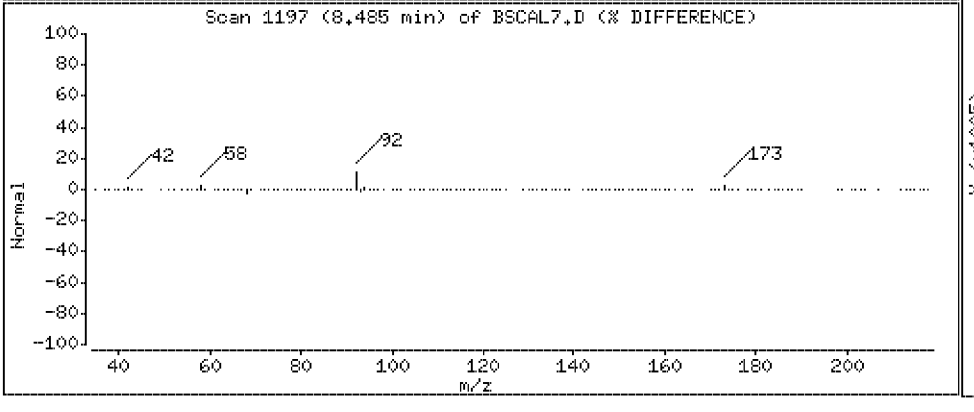












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Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

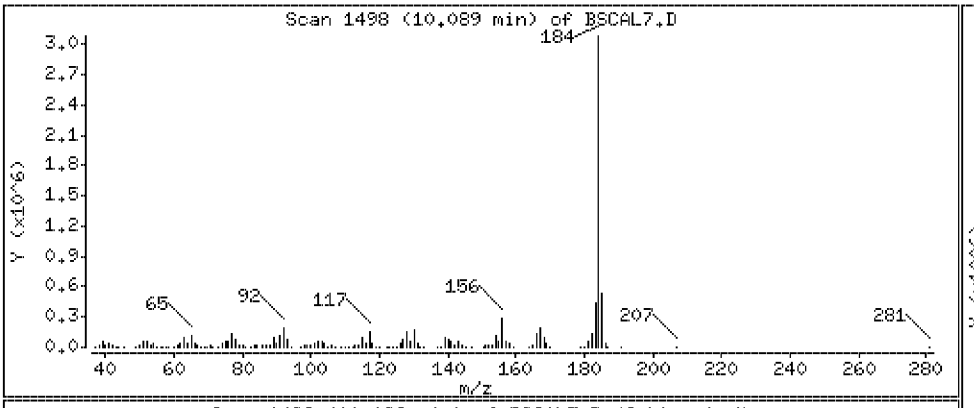
Operator: PEL

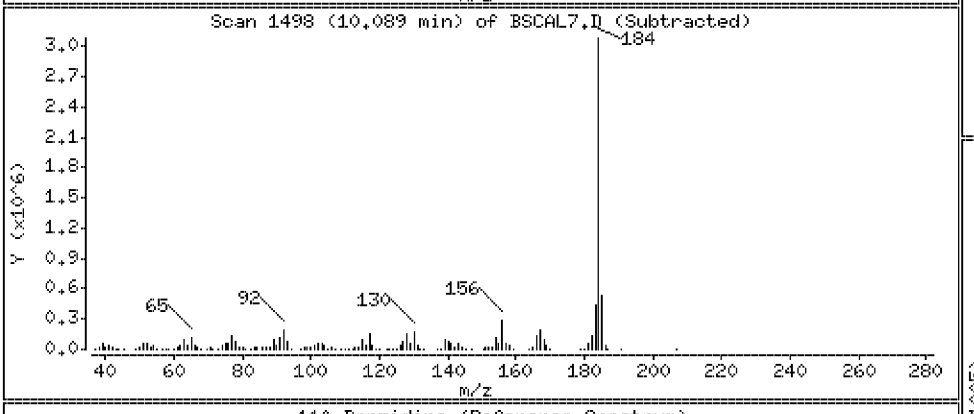
Column phase: HPMS-5

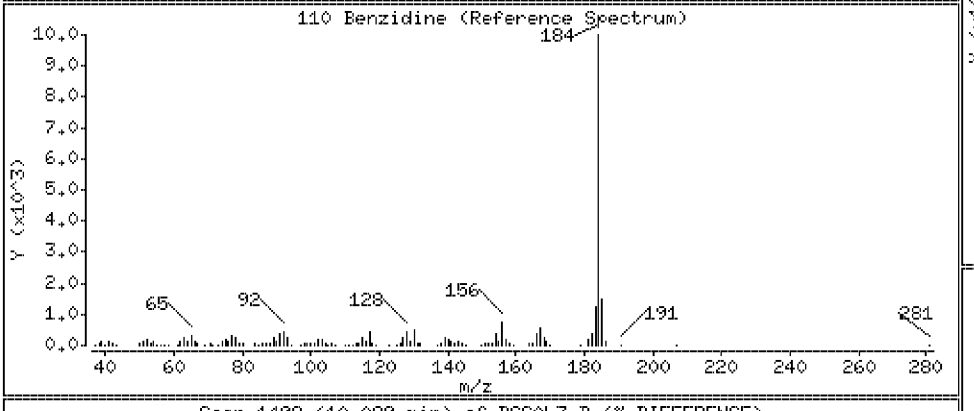
Column diameter: 0.25

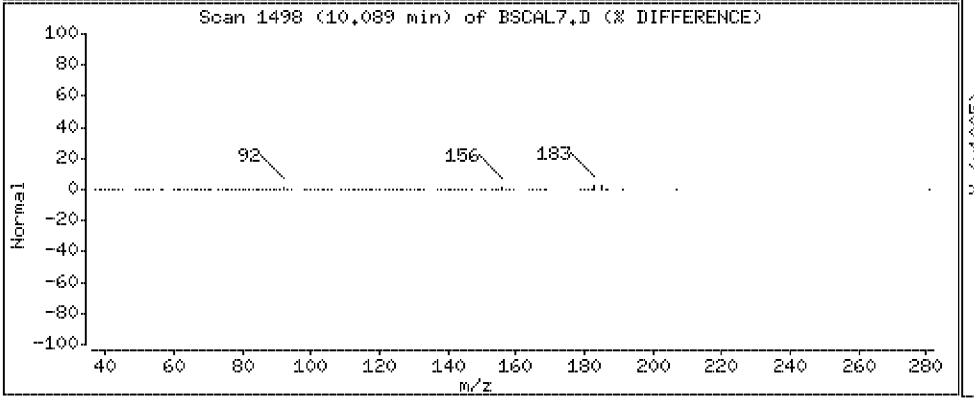
110 Benzidine

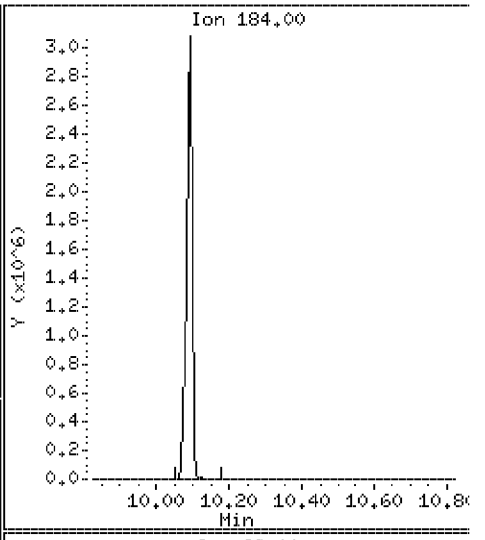
Concentration: 126 ug/l

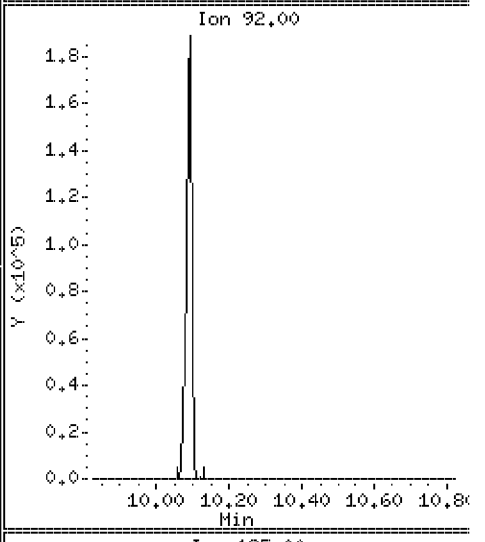


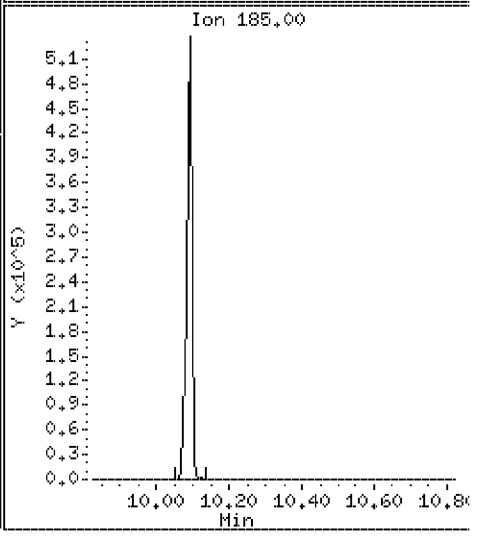












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Date : 23-APR-2012 13:56

Client ID: BSCAL7

Instrument: smsd03.i

Sample Info: 45933

Purge Volume: 1000.0

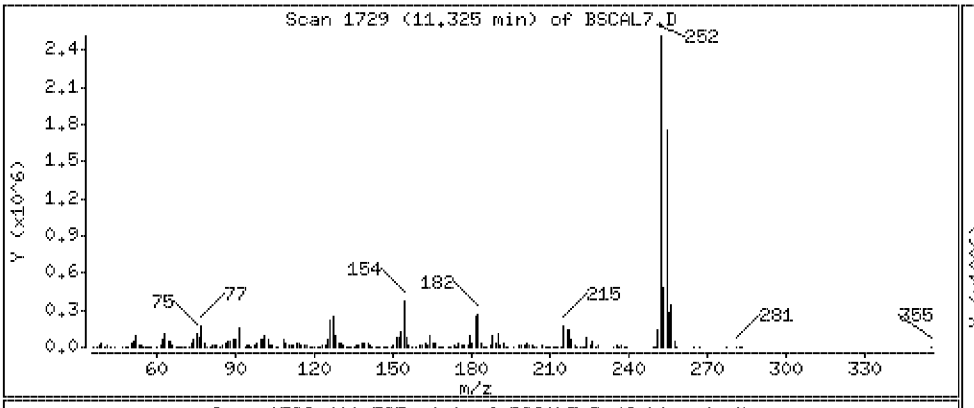
Operator: PEL

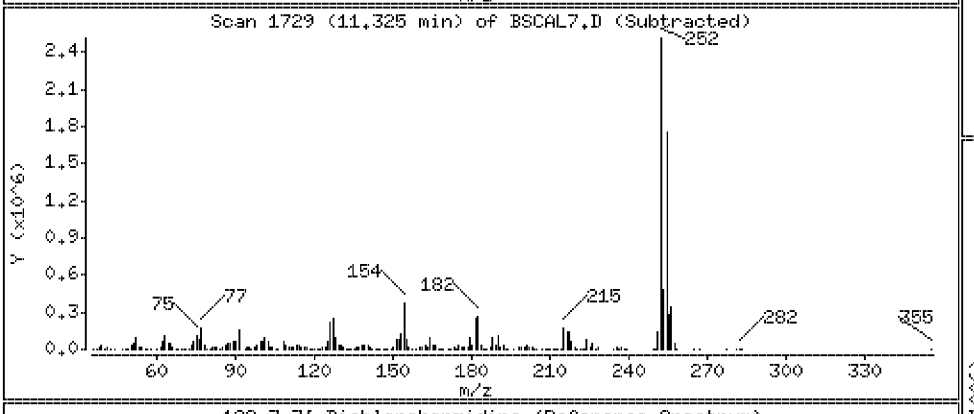
Column phase: HPMS-5

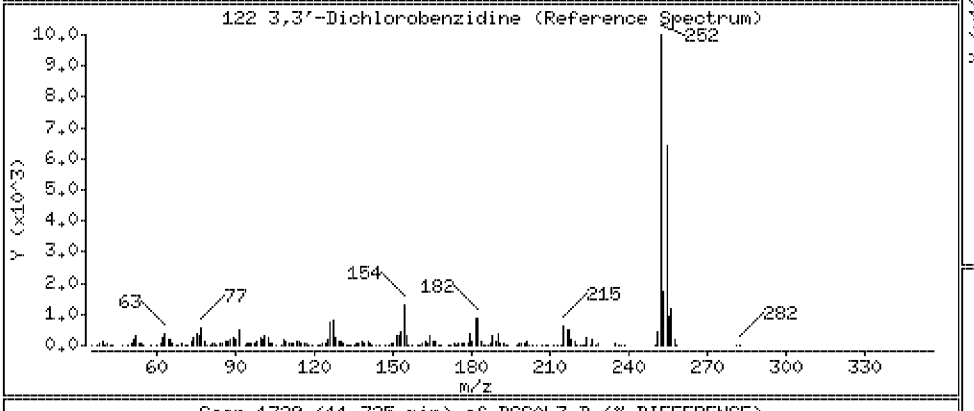
Column diameter: 0.25

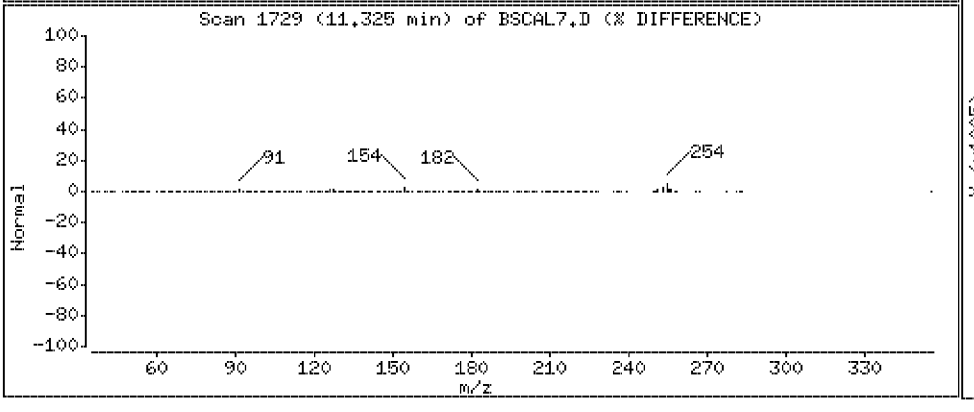
122 3,3'-Dichlorobenzidine

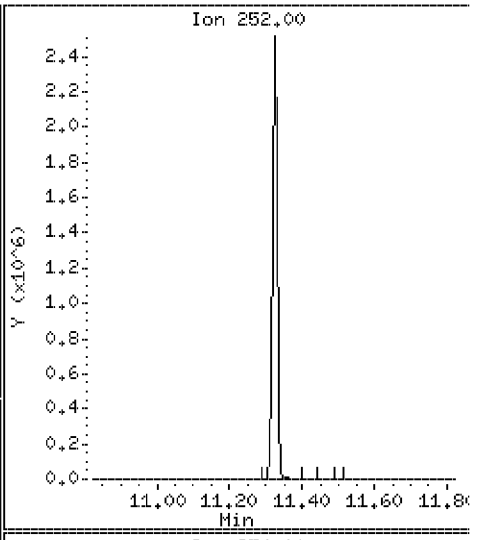
Concentration: 108 ug/l

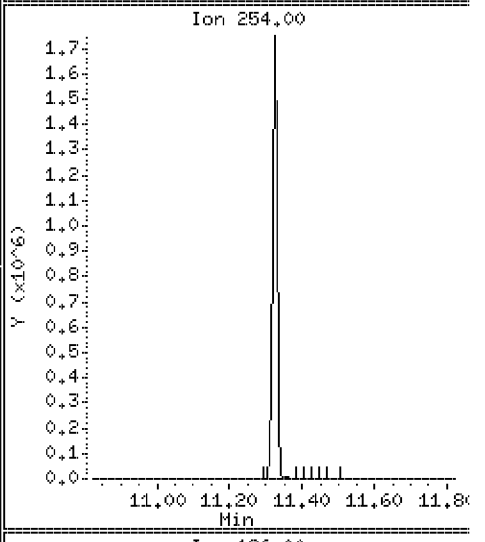


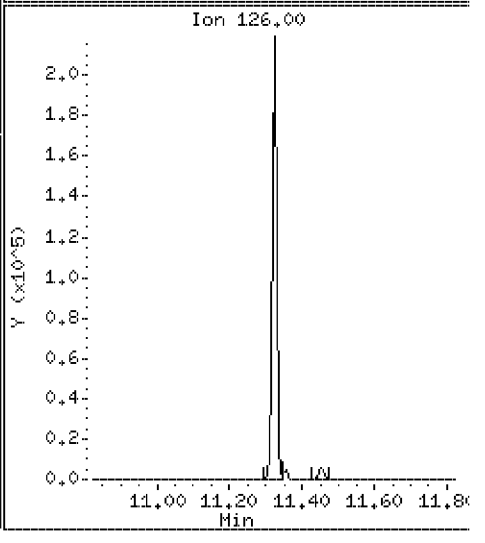












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D
Lab Smp Id: 45934 Client Smp ID: BSCAL6
Inj Date : 23-APR-2012 14:20 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45934
Misc Info :
Comment :
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Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 13:56 Cal File: BSCAL7.D
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

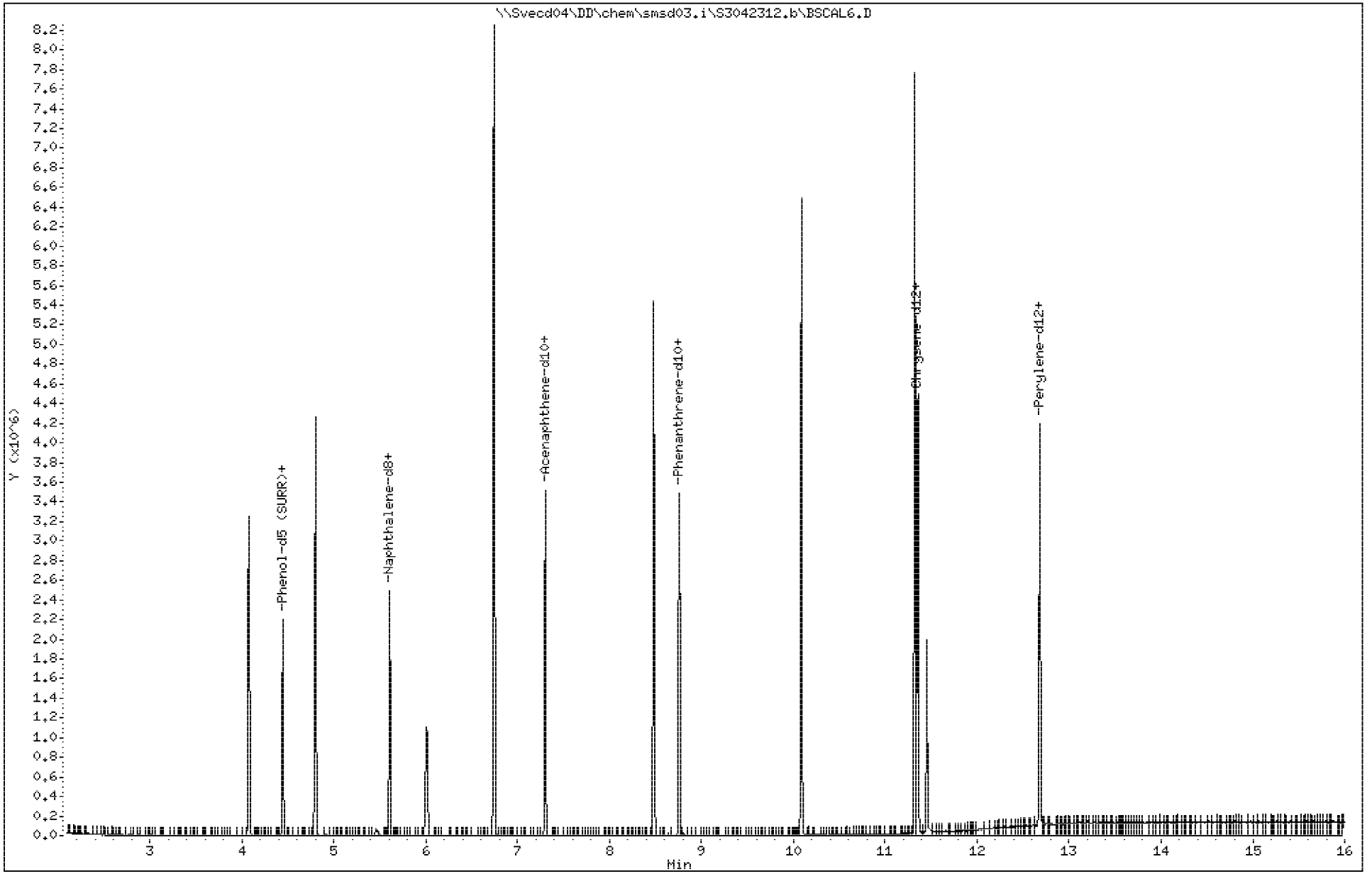
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.076	4.161	(0.917)	77	686377	75.0000	76.0	70.00- 130.00	100.00
4.076	4.161	(0.917)	106	549400			0.00- 30.92	80.04
4.075	4.161	(0.917)	51	236214			231.65- 291.65	34.41
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	296321	40.0000		80.00- 120.00	100.00
4.445	4.448	(1.000)	115	180596			32.20- 92.20	60.95
4.446	4.448	(1.000)	150	441548			139.77- 199.77	149.01
25 Acetophenone							CAS #: 98-86-2	
4.799	4.807	(0.856)	105	1131952	75.0000	81.5	70.00- 130.00	100.00
4.799	4.807	(0.856)	77	1115276			4410.01-4470.01	98.53
4.798	4.807	(0.856)	51	284192			1262.06-1322.06	25.11
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.607	5.610	(1.000)	136	961929	40.0000		80.00- 120.00	100.00
5.606	5.610	(1.000)	68	53988			0.00- 35.51	5.61
50 Caprolactam							CAS #: 105-60-2	
6.011	6.158	(1.072)	55	205390	75.0000	72.1	70.00- 130.00	100.00
6.011	6.158	(1.072)	113	221584			106.52- 166.52	107.88

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
6.012	6.158	(1.072)	85	166923			55.05- 115.05	81.27
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.740	6.642	(0.923)	154	2116657	75.0000	78.6	70.00- 130.00	100.00
6.740	6.642	(0.923)	76	286082			1762.39-1822.39	13.52
6.740	6.642	(0.923)	51	135384			1618.22-1678.22	6.40
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.302	7.305	(1.000)	164	676083	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	647222			64.73- 124.73	95.73
7.303	7.305	(1.000)	160	288843			12.46- 72.46	42.72
	95 Atrazine					CAS #: 1912-24-9		
8.483	8.479	(0.969)	200	693319	75.0000	79.3	80.00- 120.00	100.00
8.481	8.479	(0.968)	58	166227			0.00- 52.18	23.98
8.483	8.479	(0.969)	215	373374			22.24- 82.24	53.85
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1305271	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	83038			0.00- 36.35	6.36
8.757	8.761	(1.000)	80	97171			0.00- 37.82	7.44
	110 Benzidine					CAS #: 92-87-5		
10.086	10.322	(0.888)	184	2204311	75.0000	94.7	70.00- 130.00	100.00
10.085	10.322	(0.888)	92	116508			36.43- 96.43	5.29
10.086	10.322	(0.888)	185	334052			0.00- 47.46	15.15
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.323	11.321	(0.997)	252	1631709	75.0000	80.0	80.00- 120.00	100.00
11.323	11.321	(0.997)	254	1078938			34.83- 94.83	66.12
11.322	11.321	(0.997)	126	126673			0.00- 37.08	7.76
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1732114	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	96102			0.00- 36.38	5.55
11.354	11.359	(1.000)	236	449946			0.00- 57.06	25.98
*	130 Perylene-d12					CAS #: 1520-96-3		
12.681	12.682	(1.000)	264	1732418	40.0000		80.00- 120.00	100.00
12.681	12.682	(1.000)	260	426247			0.00- 54.80	24.60
12.681	12.682	(1.000)	265	395634			0.00- 53.39	22.84

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D
Date : 23-APR-2012 14:20
Client ID: BSCAL6
Instrument: smsd03.i
Sample Info: 45934
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1543

3505835



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Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

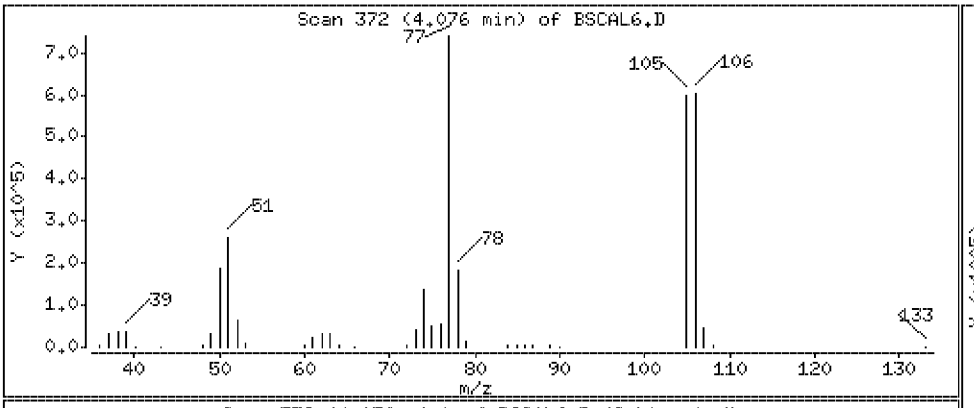
Operator: PEL

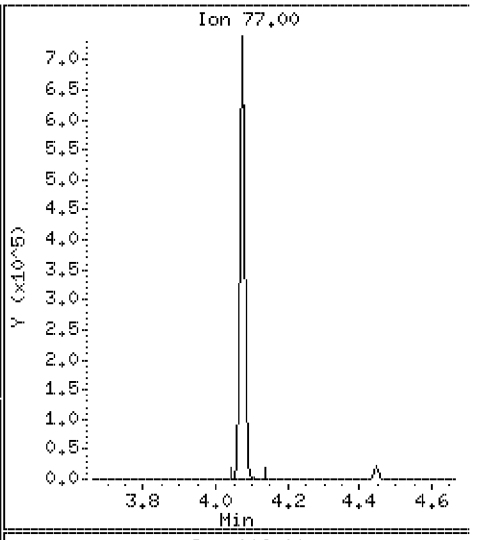
Column phase: HPMS-5

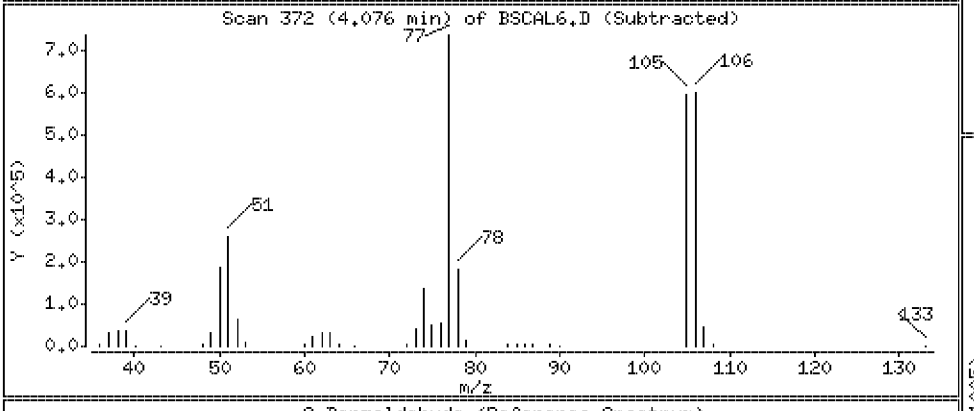
Column diameter: 0.25

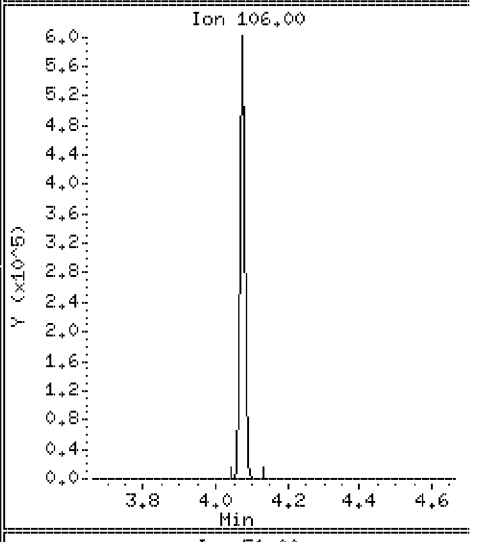
9 Benzaldehyde

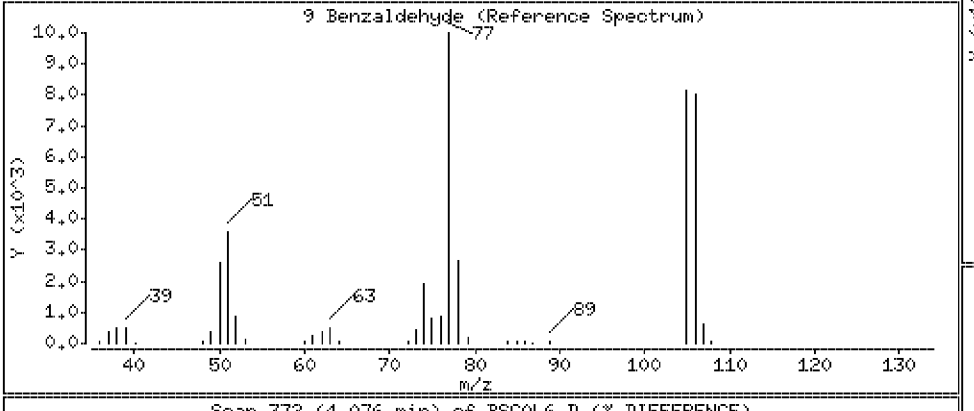
Concentration: 76.0 ug/l

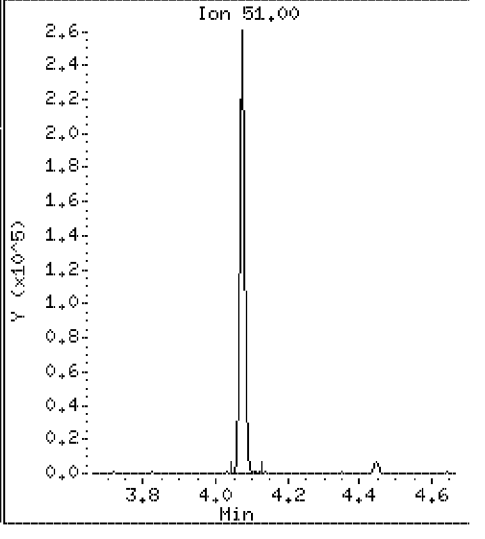


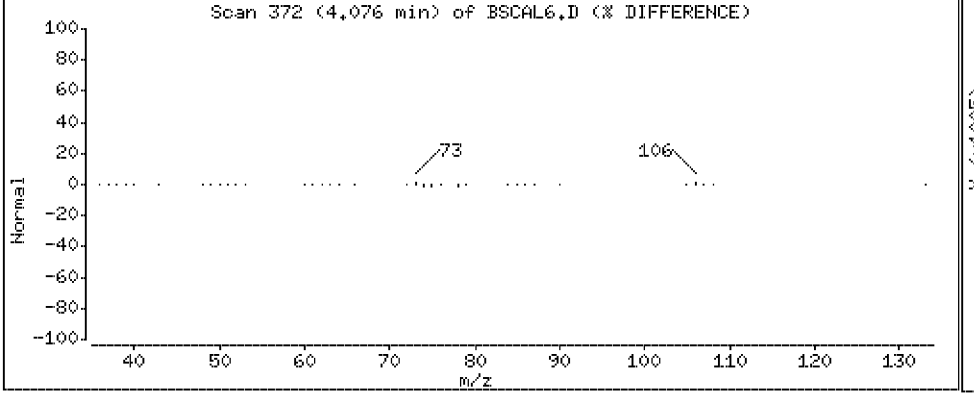












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

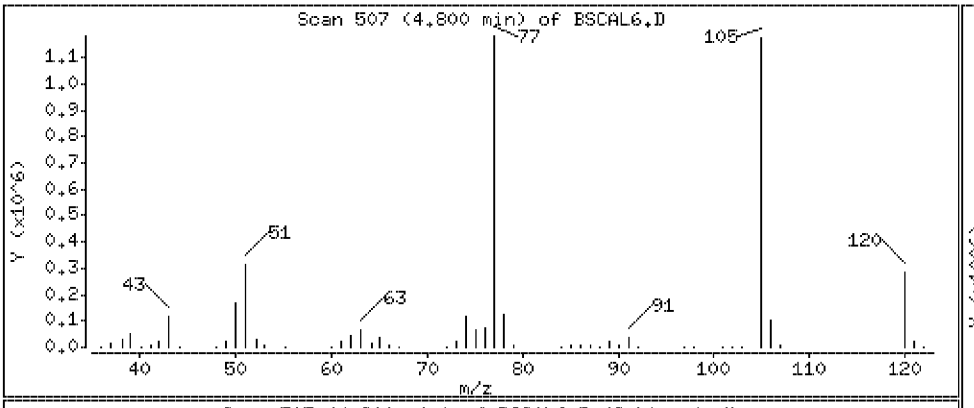
Operator: PEL

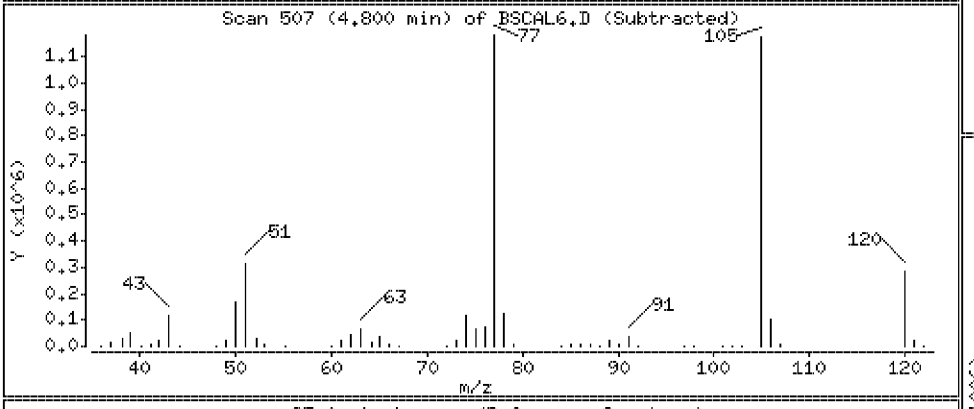
Column phase: HPMS-5

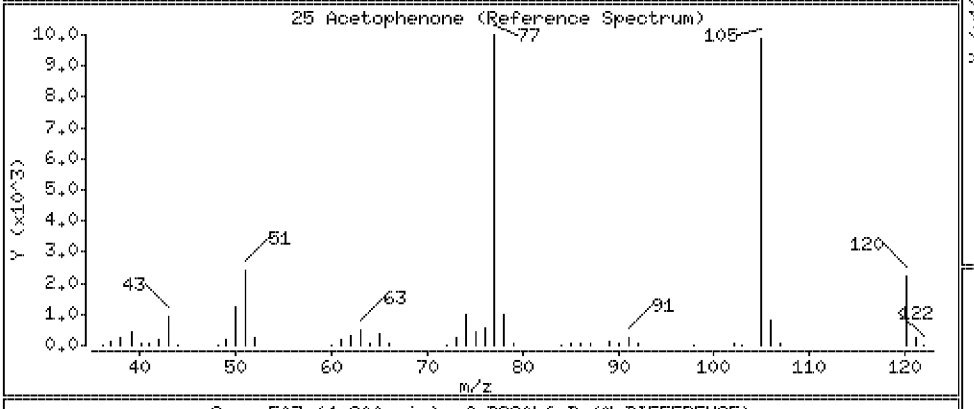
Column diameter: 0.25

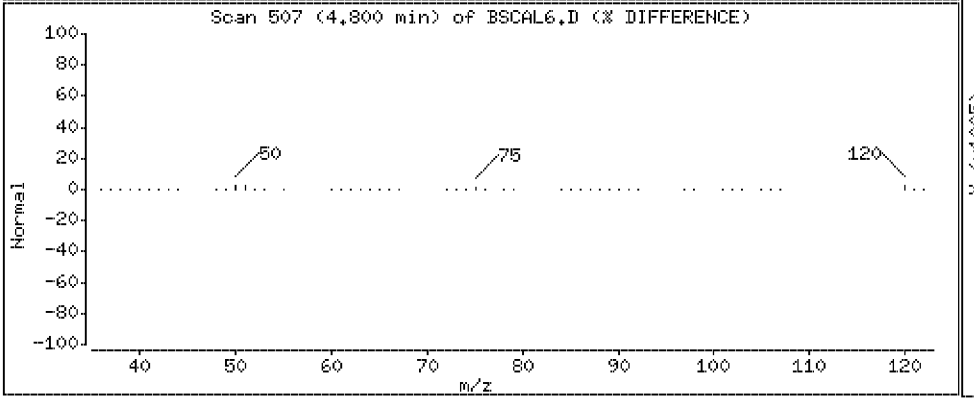
25 Acetophenone

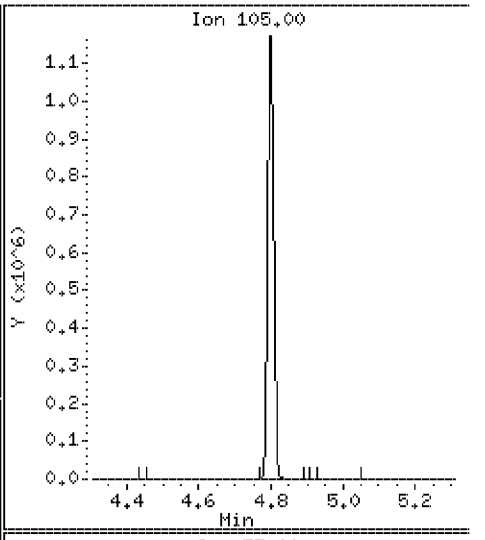
Concentration: 81.5 ug/l

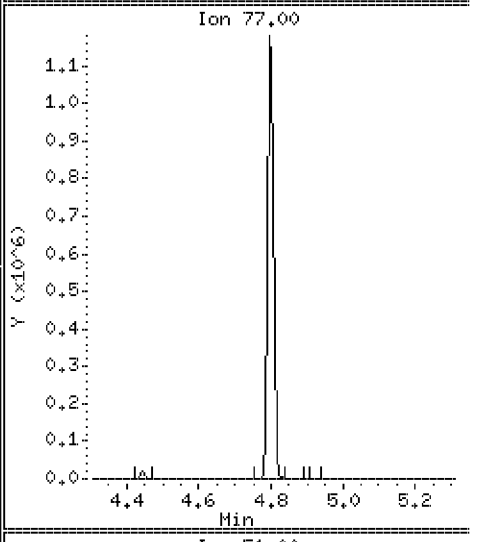


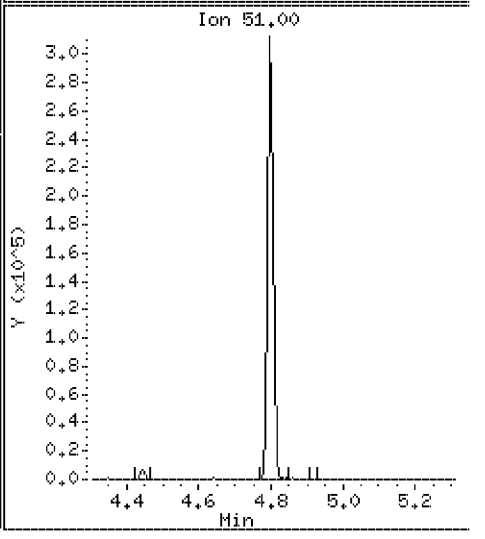












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

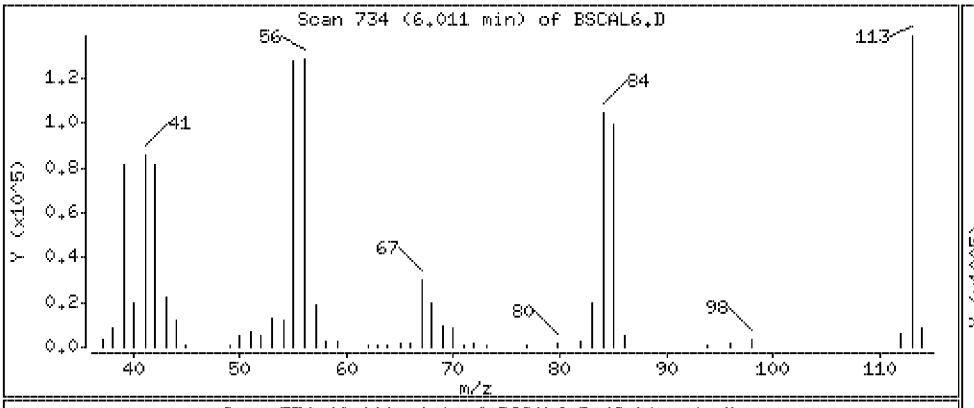
Operator: PEL

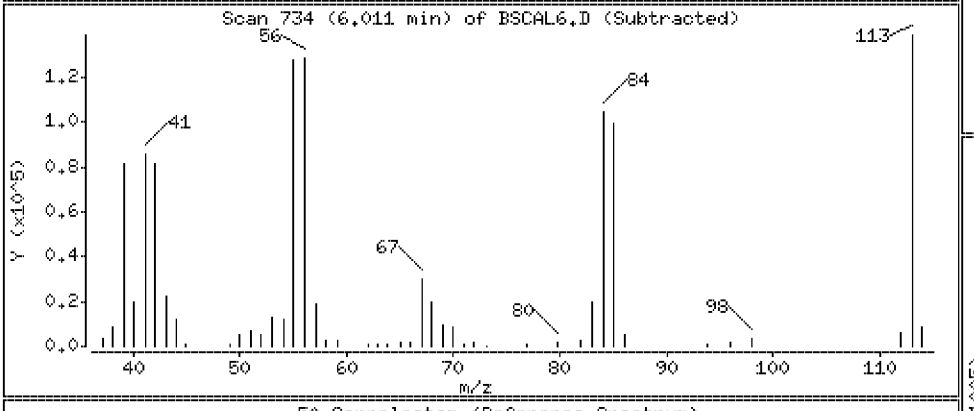
Column phase: HPMS-5

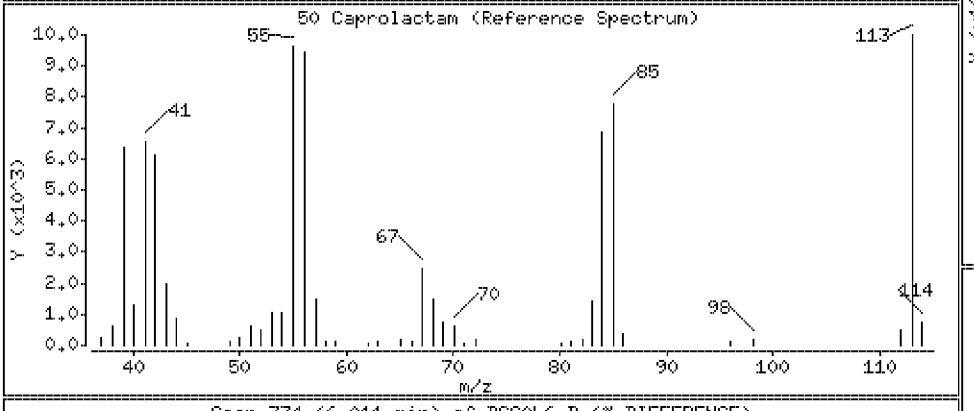
Column diameter: 0.25

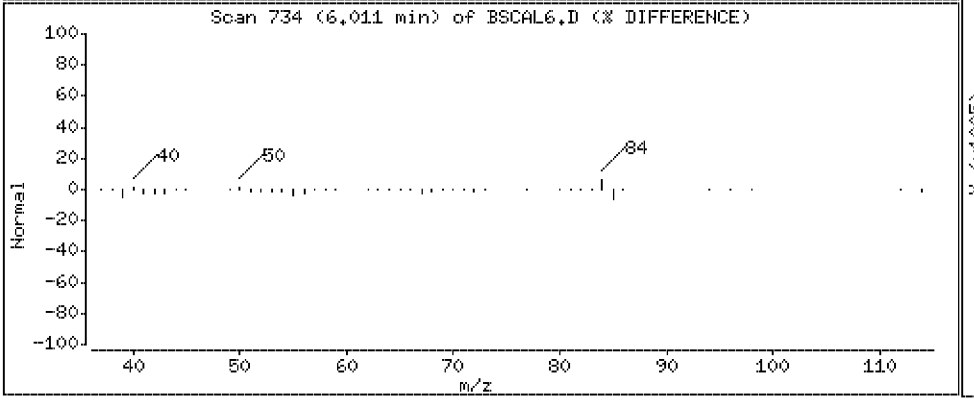
50 Caprolactam

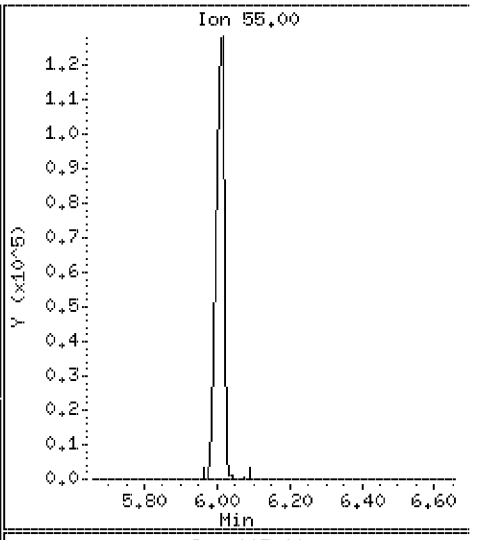
Concentration: 72.1 ug/l

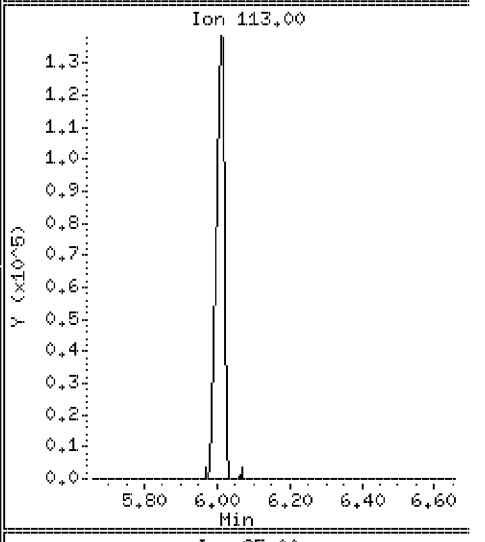


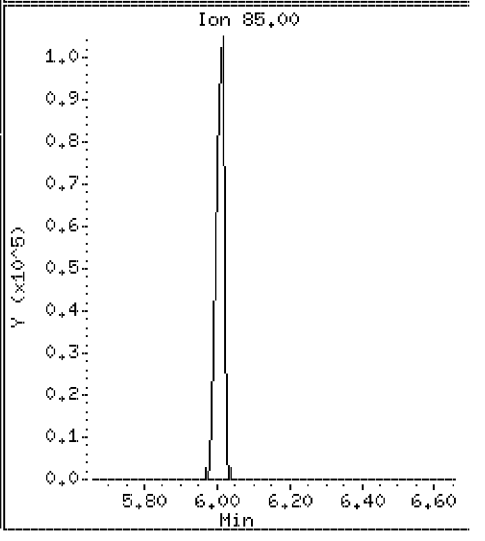












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

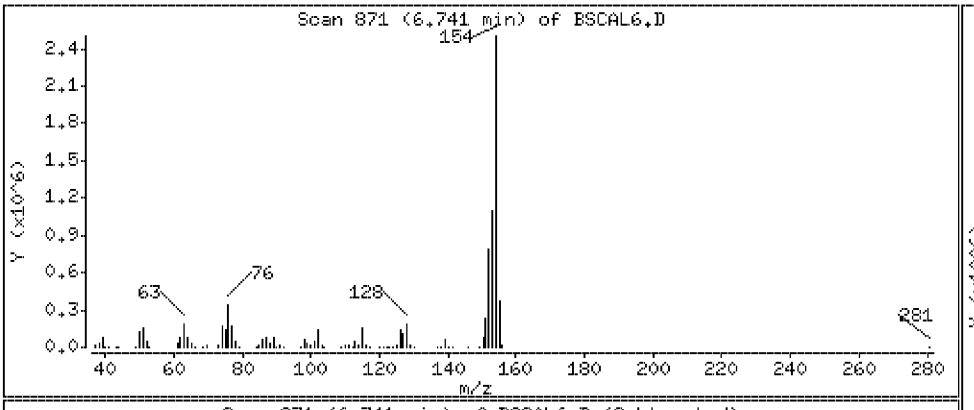
Operator: PEL

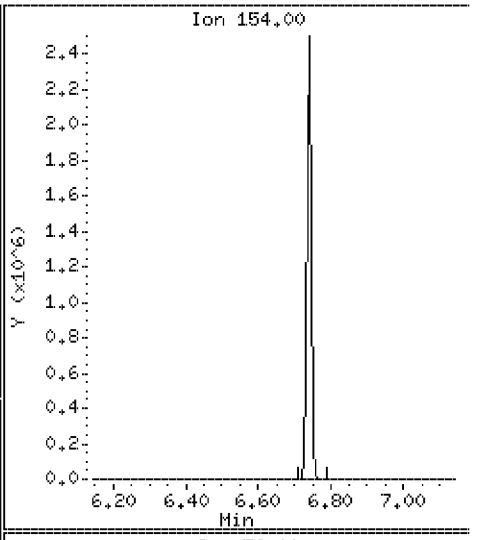
Column phase: HPMS-5

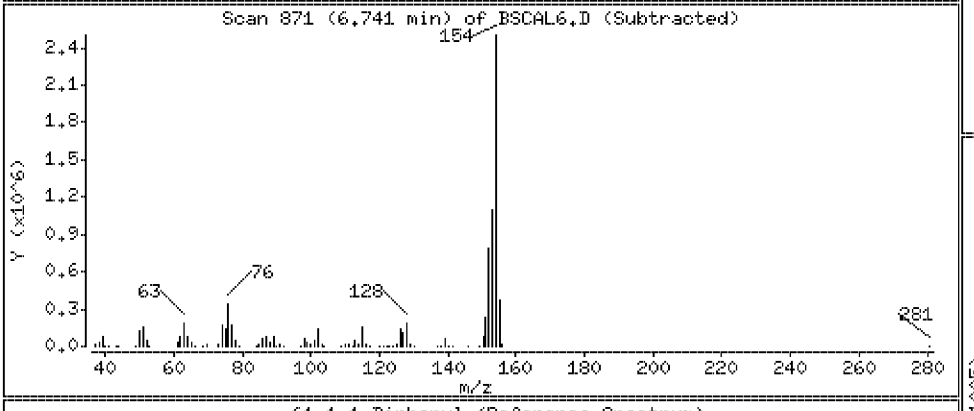
Column diameter: 0.25

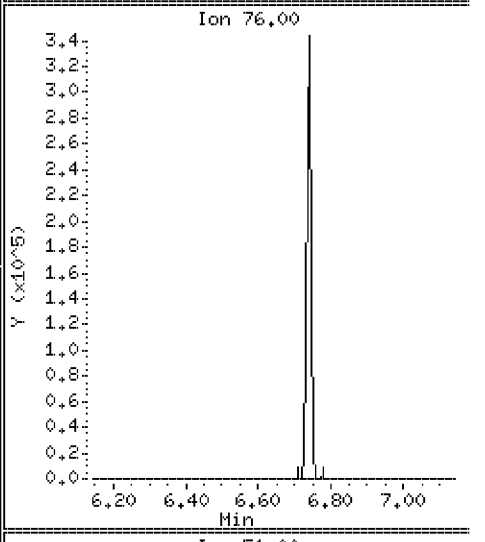
61 1,1-Biphenyl

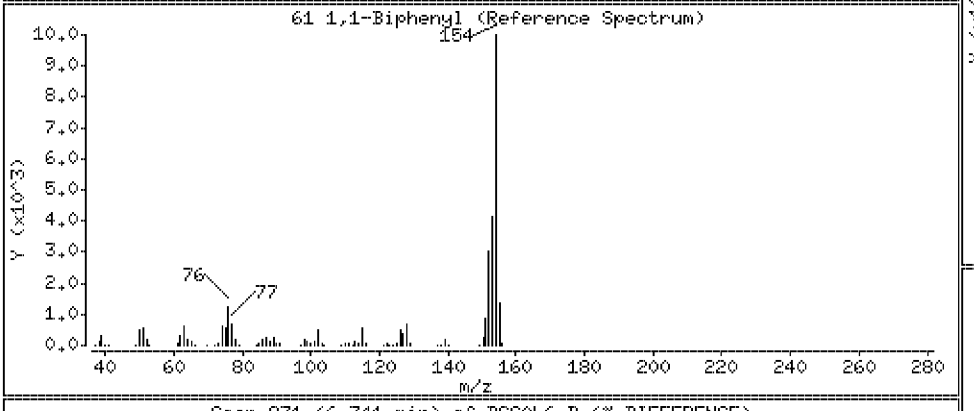
Concentration: 78.6 ug/l

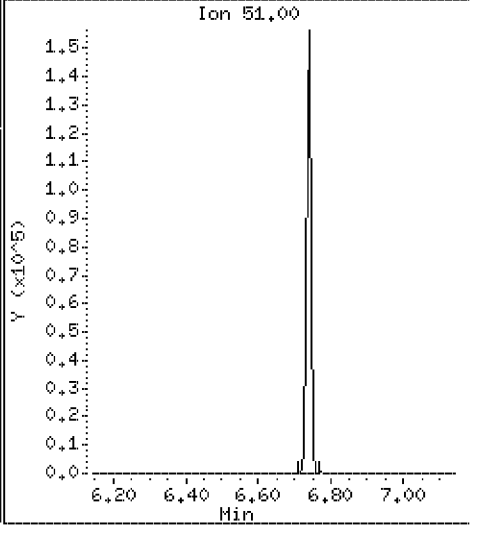


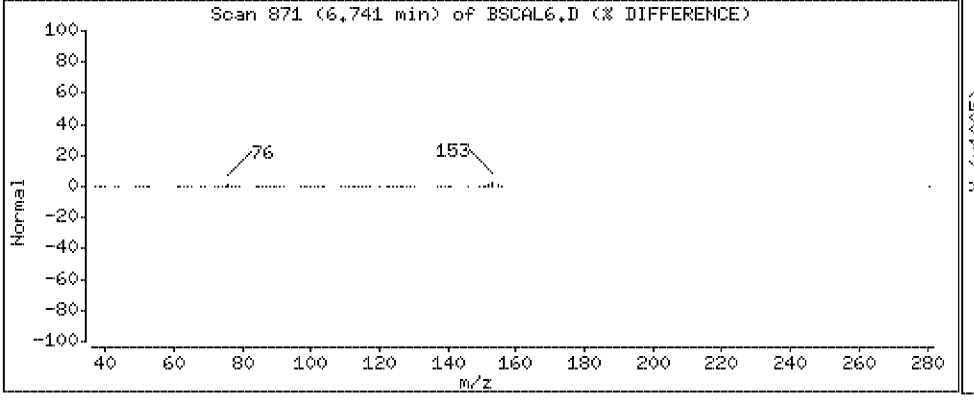












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

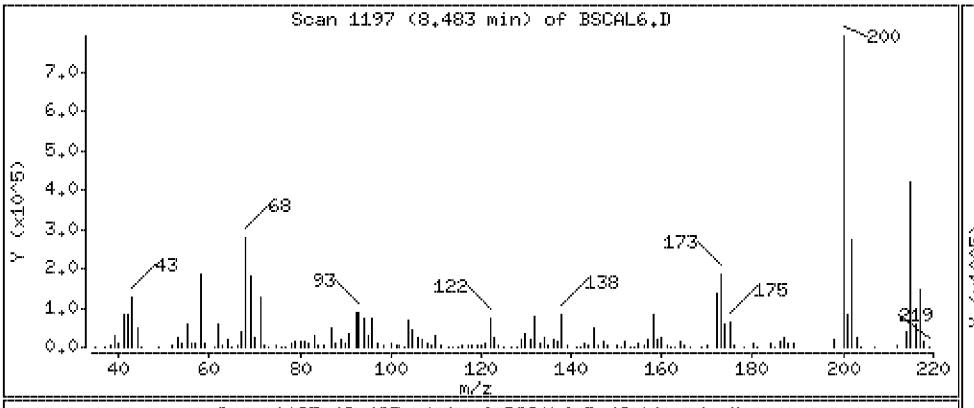
Operator: PEL

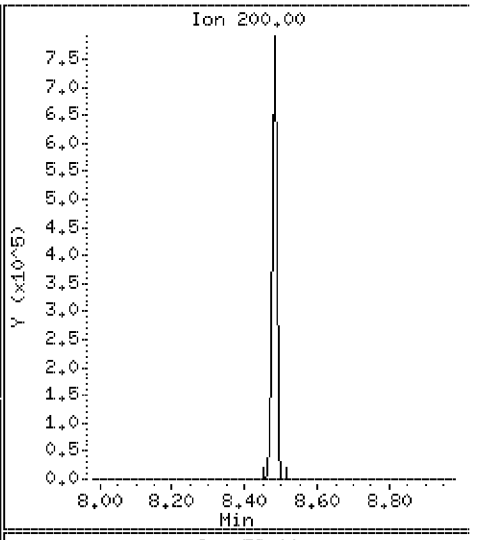
Column phase: HPMS-5

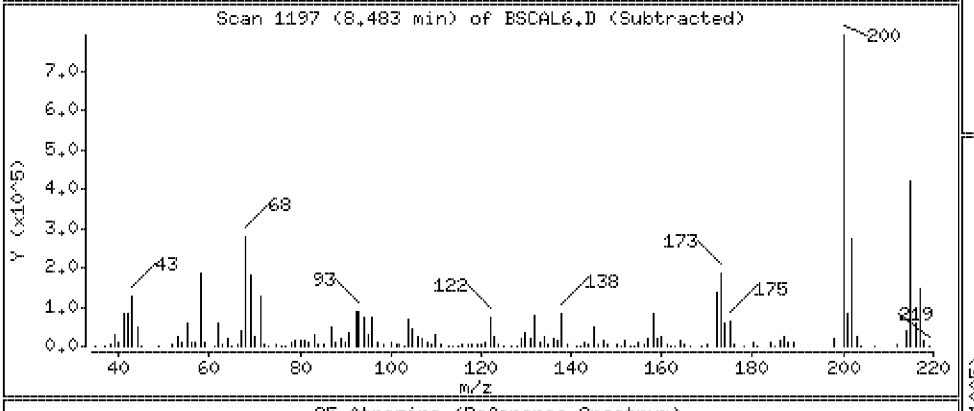
Column diameter: 0.25

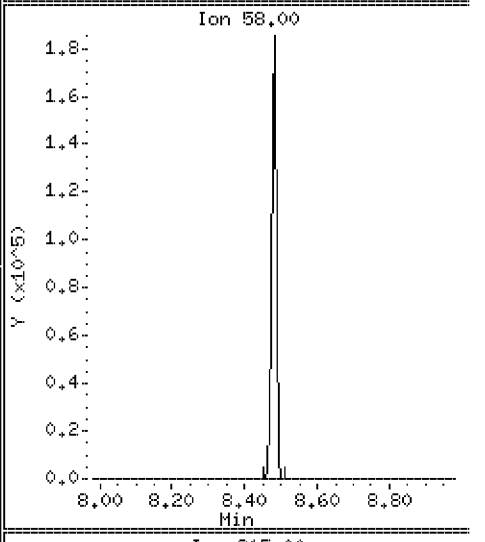
95 Atrazine

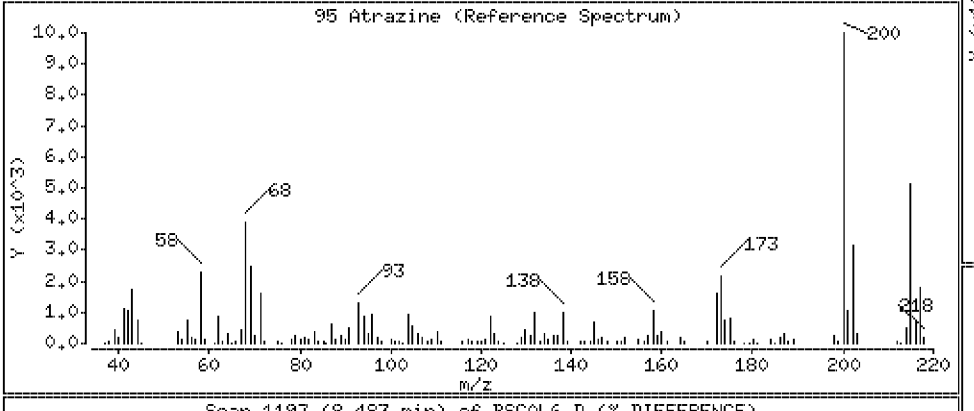
Concentration: 79.3 ug/l

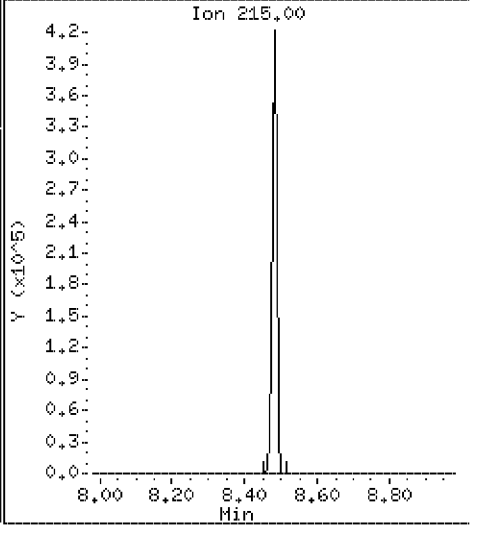


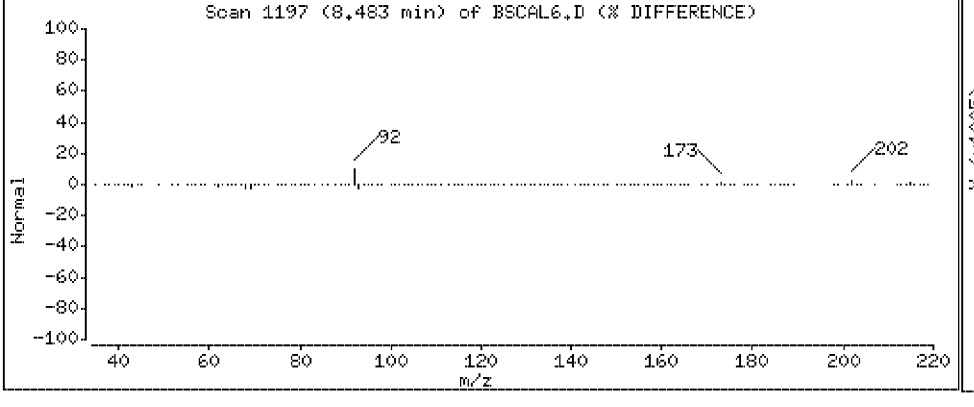












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

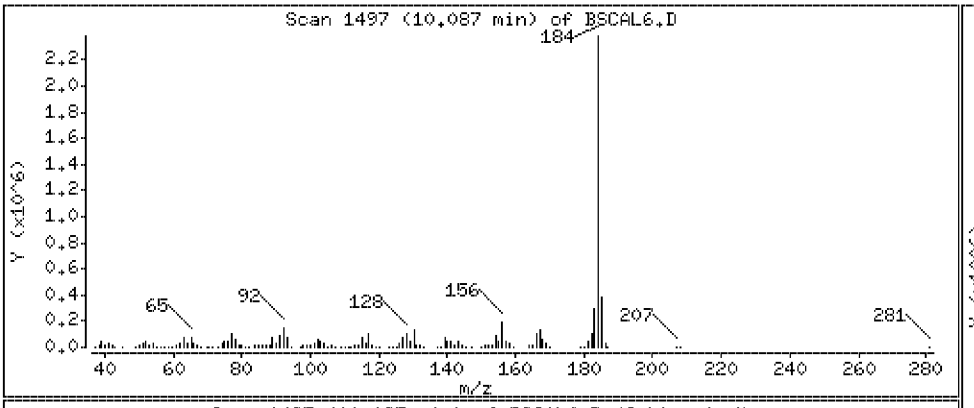
Operator: PEL

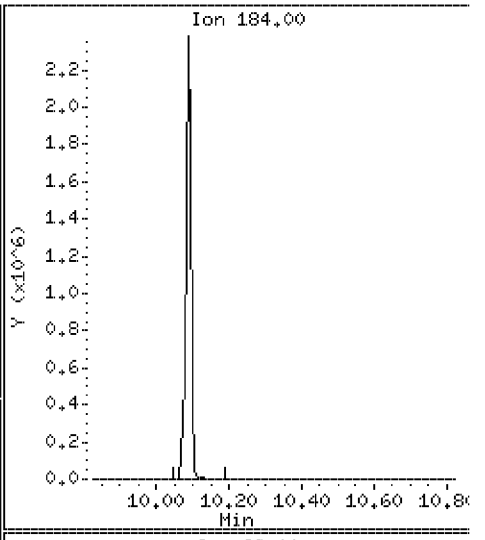
Column phase: HPMS-5

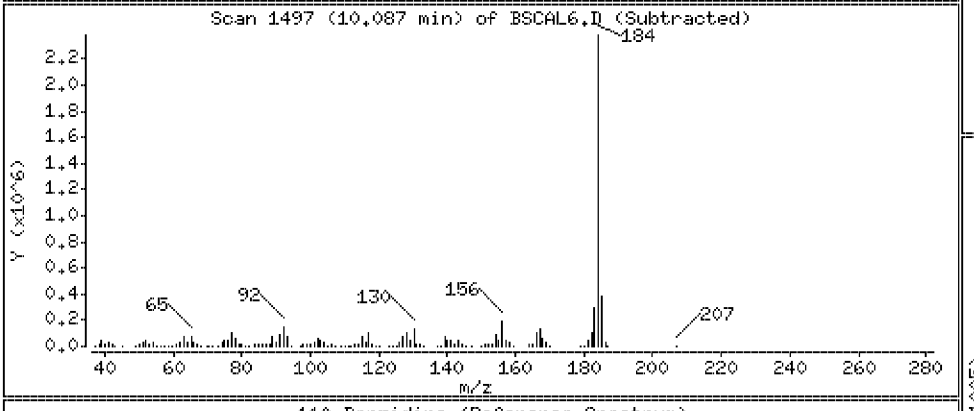
Column diameter: 0.25

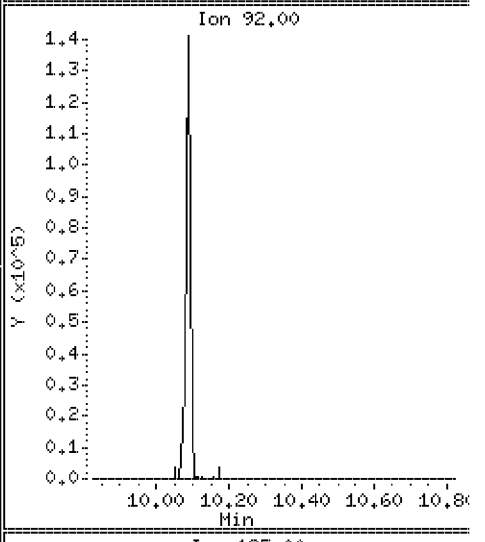
110 Benzidine

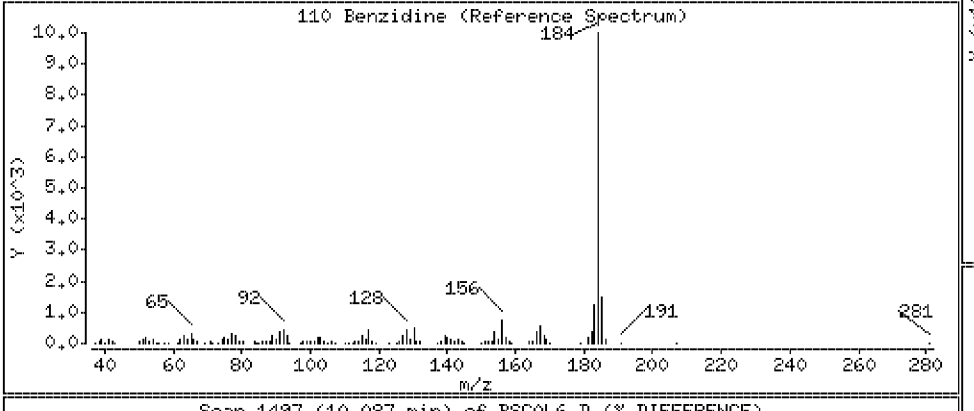
Concentration: 94.7 ug/l

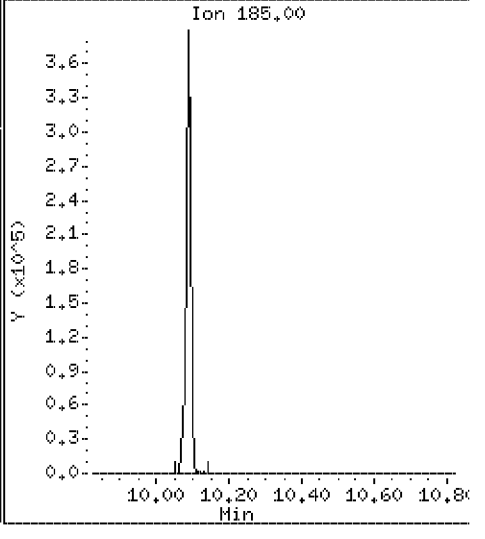


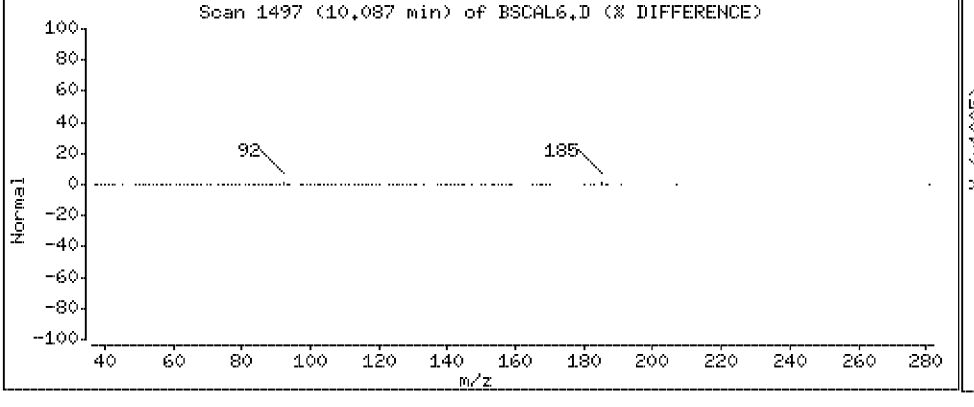












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL6.D

Date : 23-APR-2012 14:20

Client ID: BSCAL6

Instrument: smsd03.i

Sample Info: 45934

Purge Volume: 1000.0

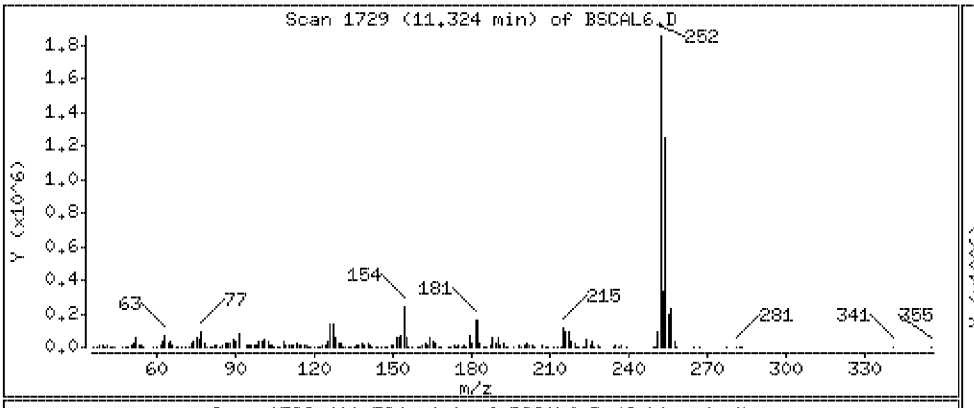
Operator: PEL

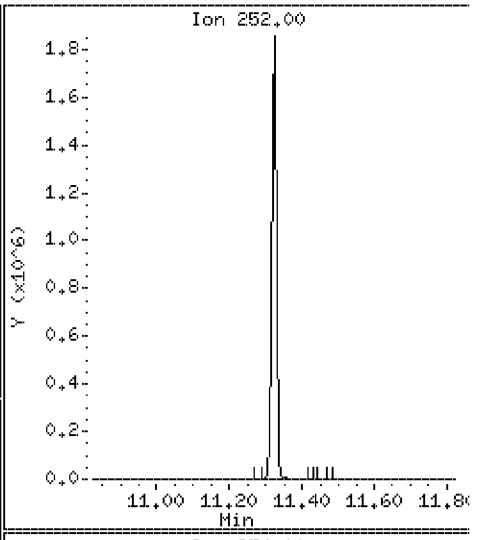
Column phase: HPMS-5

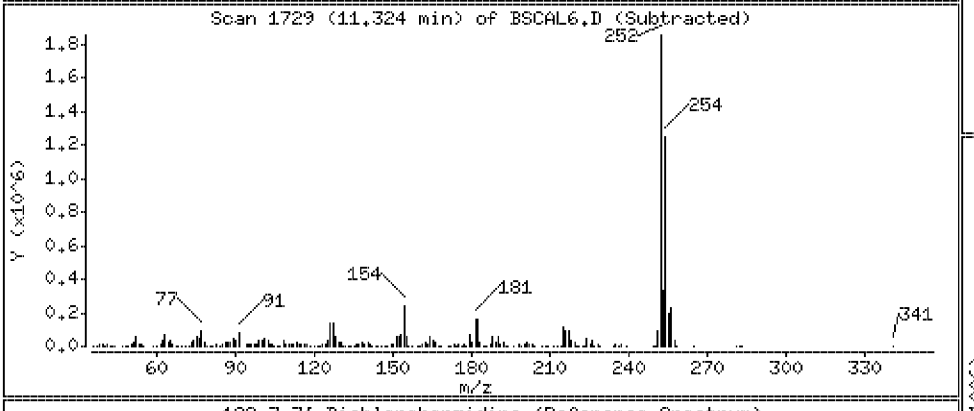
Column diameter: 0.25

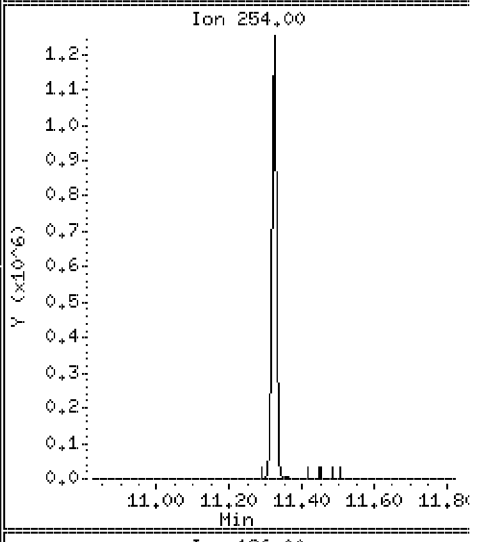
122 3,3'-Dichlorobenzidine

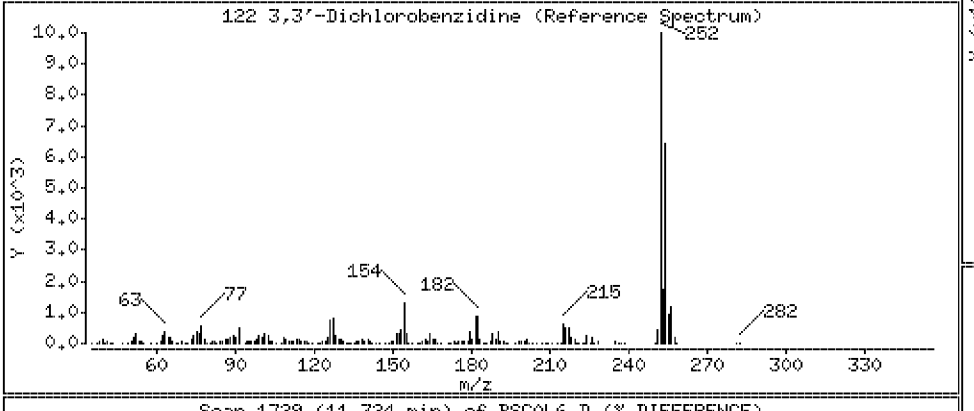
Concentration: 80.0 ug/l

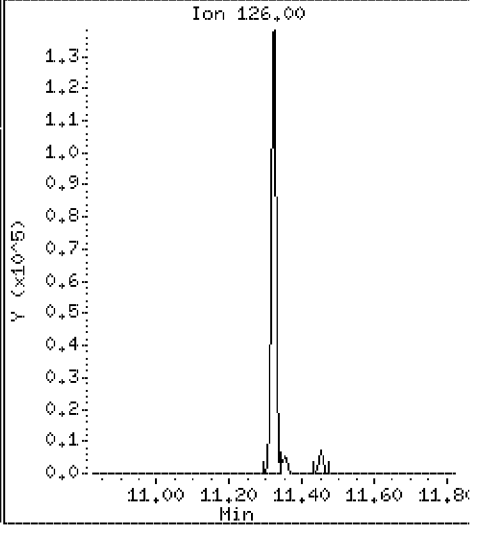


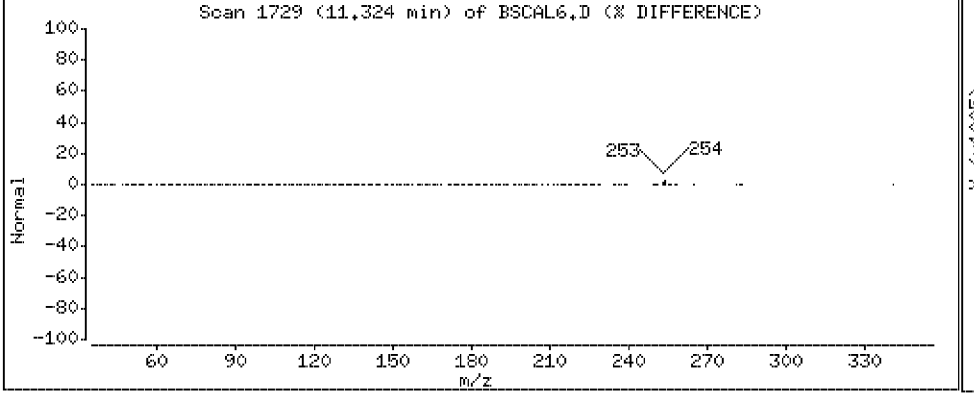












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL5.D
Lab Smp Id: 45935 Client Smp ID: BSCAL5
Inj Date : 23-APR-2012 14:44 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45935
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 13:56 Cal File: BSCAL7.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

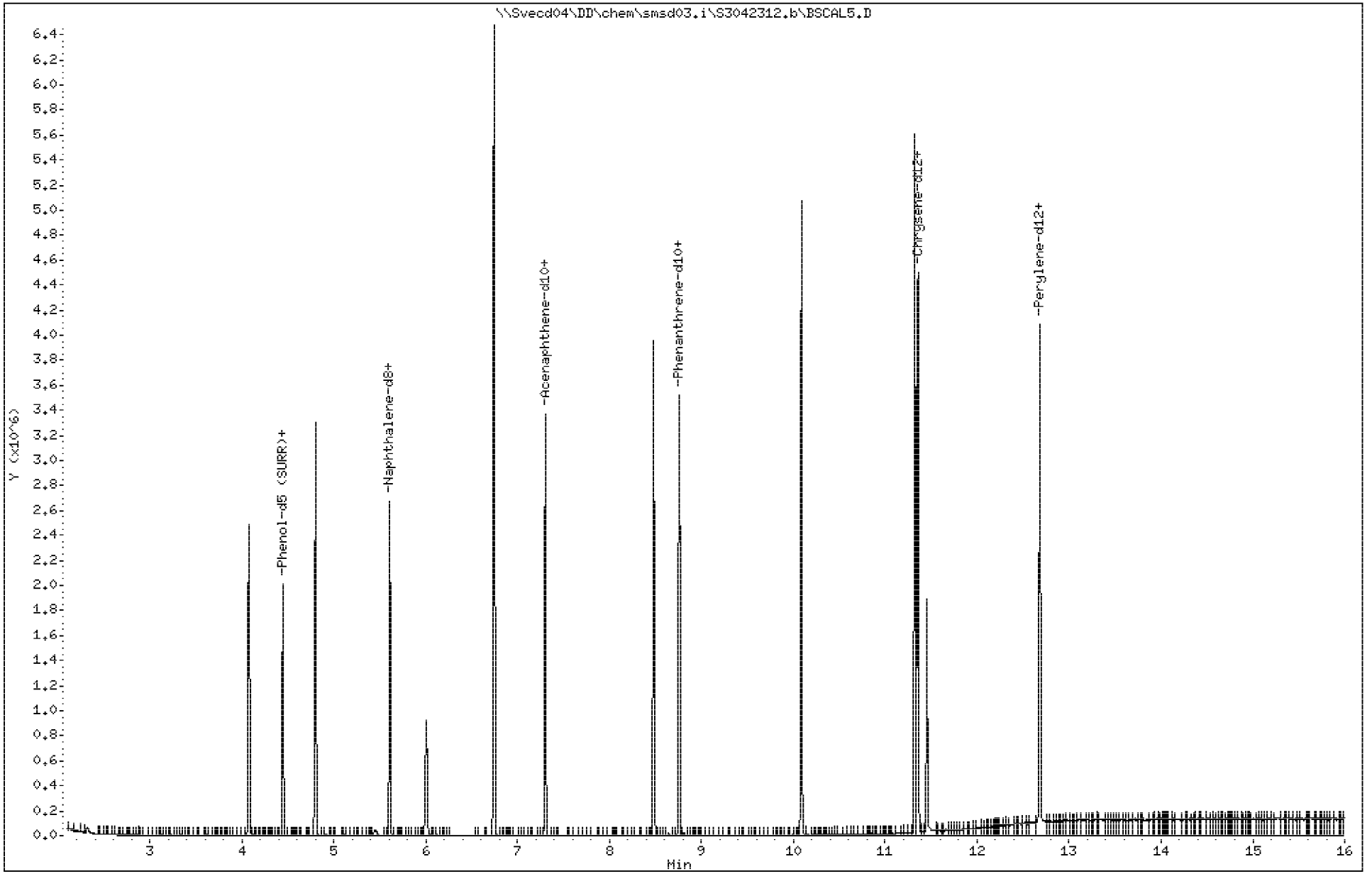
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.076	4.161	(0.917)	77	536833	60.0000	60.0	70.00- 130.00	100.00
4.076	4.161	(0.917)	106	416084			0.00- 30.92	77.51
4.076	4.161	(0.917)	51	186847			231.65- 291.65	34.81
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	293414	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	175841			32.20- 92.20	59.93
4.447	4.448	(1.000)	150	435128			139.77- 199.77	148.30
25 Acetophenone							CAS #: 98-86-2	
4.799	4.807	(0.856)	105	895061	60.0000	64.5	70.00- 130.00	100.00
4.799	4.807	(0.856)	77	873187			4410.01-4470.01	97.56
4.799	4.807	(0.856)	51	220563			1262.06-1322.06	24.64
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.608	5.610	(1.000)	136	957373	40.0000		80.00- 120.00	100.00
5.608	5.610	(1.000)	68	49573			0.00- 35.51	5.18
50 Caprolactam							CAS #: 105-60-2	
6.005	6.158	(1.071)	55	161786	60.0000	57.7	70.00- 130.00	100.00
6.006	6.158	(1.071)	113	169557			106.52- 166.52	104.80

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
6.006	6.158	(1.071)	85	128354			55.05- 115.05	79.34
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.741	6.642	(0.923)	154	1655652	60.0000	63.2	70.00- 130.00	100.00
6.740	6.642	(0.923)	76	214421			1762.39-1822.39	12.95
6.739	6.642	(0.923)	51	108988			1618.22-1678.22	6.58
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	658040	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	643936			64.73- 124.73	97.86
7.303	7.305	(1.000)	160	299384			12.46- 72.46	45.50
	95 Atrazine					CAS #: 1912-24-9		
8.481	8.479	(0.968)	200	536039	60.0000	61.9	80.00- 120.00	100.00
8.480	8.479	(0.968)	58	125671			0.00- 52.18	23.44
8.481	8.479	(0.968)	215	286247			22.24- 82.24	53.40
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1293819	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	79101			0.00- 36.35	6.11
8.757	8.761	(1.000)	80	96446			0.00- 37.82	7.45
	110 Benzidine					CAS #: 92-87-5		
10.085	10.322	(0.888)	184	1664627	60.0000	72.5	70.00- 130.00	100.00
10.084	10.322	(0.888)	92	87758			36.43- 96.43	5.27
10.085	10.322	(0.888)	185	249300			0.00- 47.46	14.98
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.322	11.321	(0.997)	252	1250449	60.0000	62.1	80.00- 120.00	100.00
11.322	11.321	(0.997)	254	819183			34.83- 94.83	65.51
11.320	11.321	(0.997)	126	90719			0.00- 37.08	7.25
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1709070	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	93709			0.00- 36.38	5.48
11.354	11.359	(1.000)	236	446632			0.00- 57.06	26.13
*	130 Perylene-d12					CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	1715314	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	414289			0.00- 54.80	24.15
12.682	12.682	(1.000)	265	395751			0.00- 53.39	23.07

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL5.D
Date : 23-APR-2012 14:44
Client ID: BSCAL5
Instrument: smsd03.i
Sample Info: 45935
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1553

3505835



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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

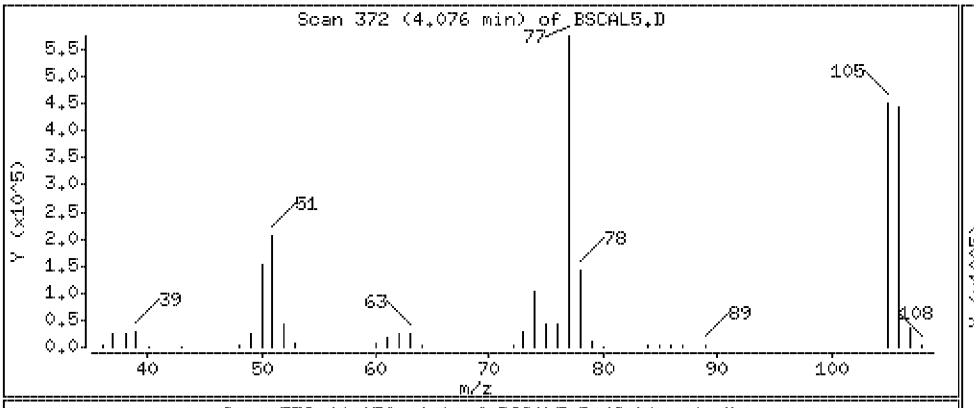
Operator: PEL

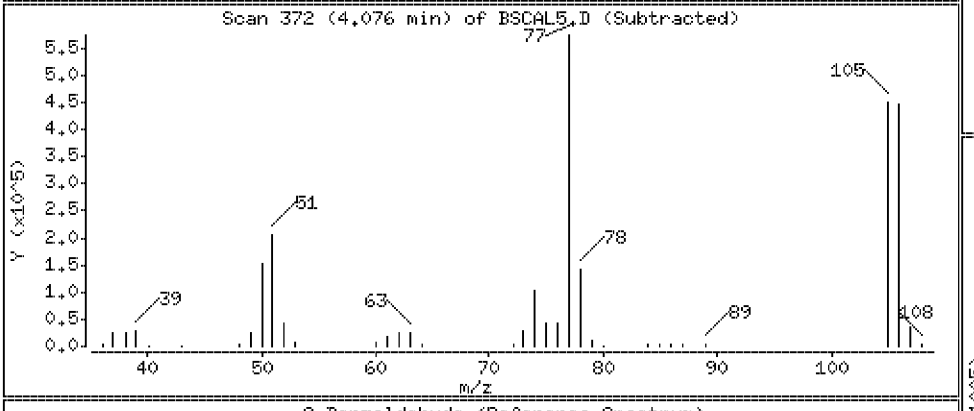
Column phase: HPMS-5

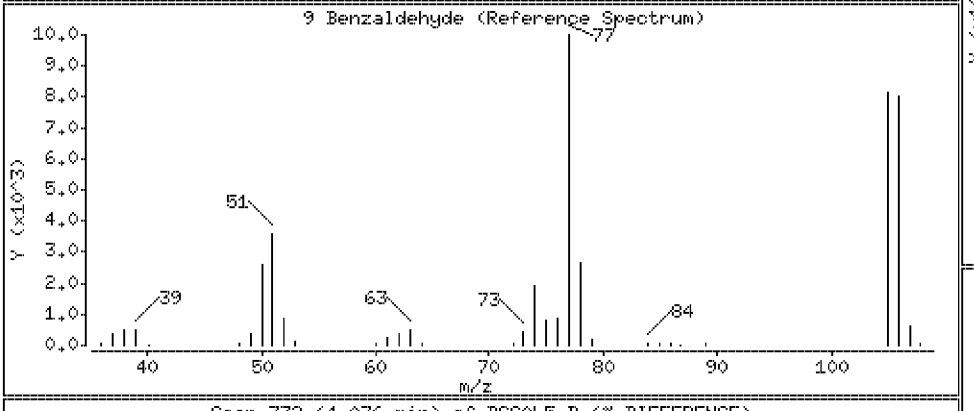
Column diameter: 0.25

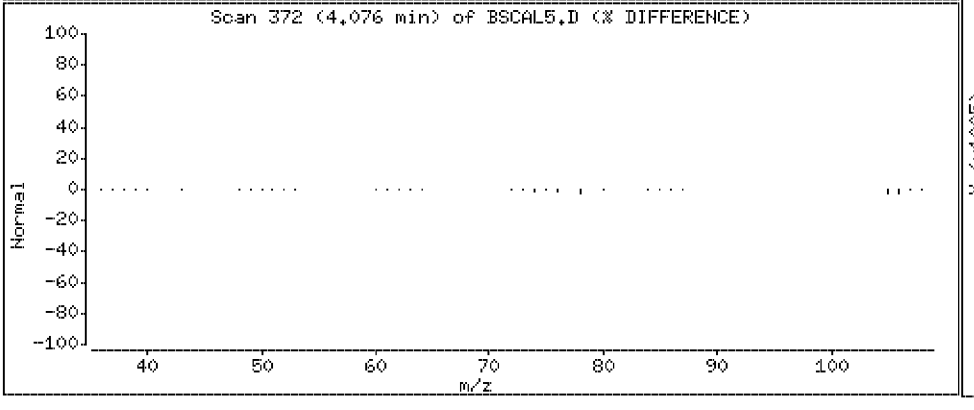
9 Benzaldehyde

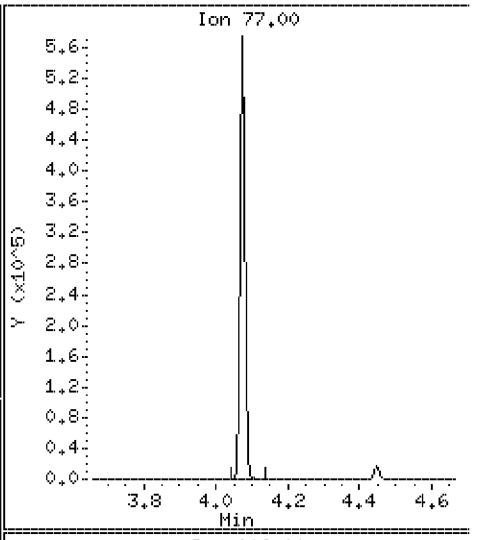
Concentration: 60.0 ug/l

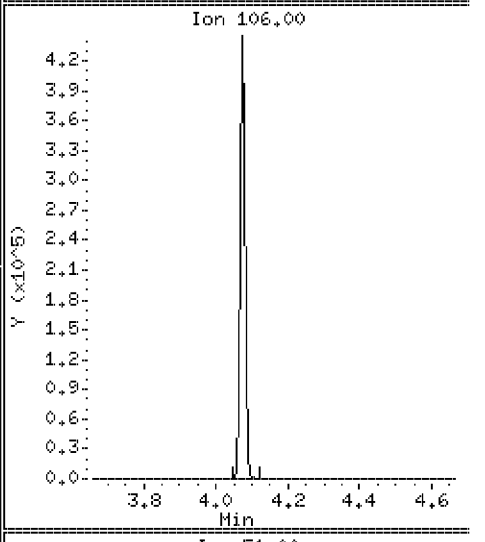


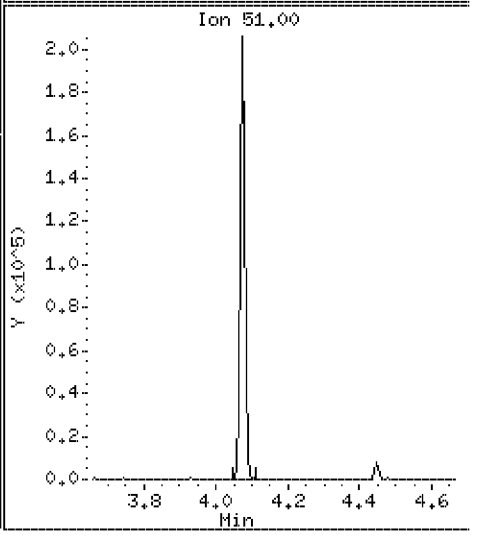












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

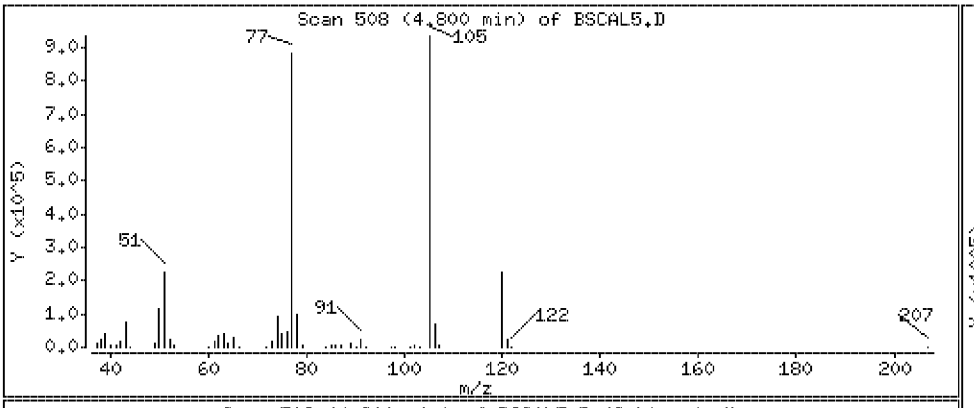
Operator: PEL

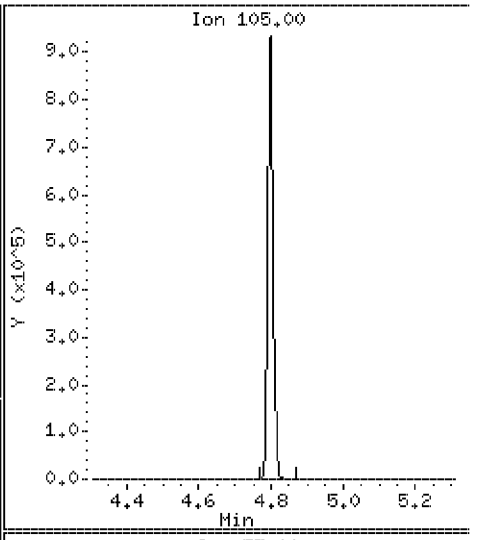
Column phase: HPMS-5

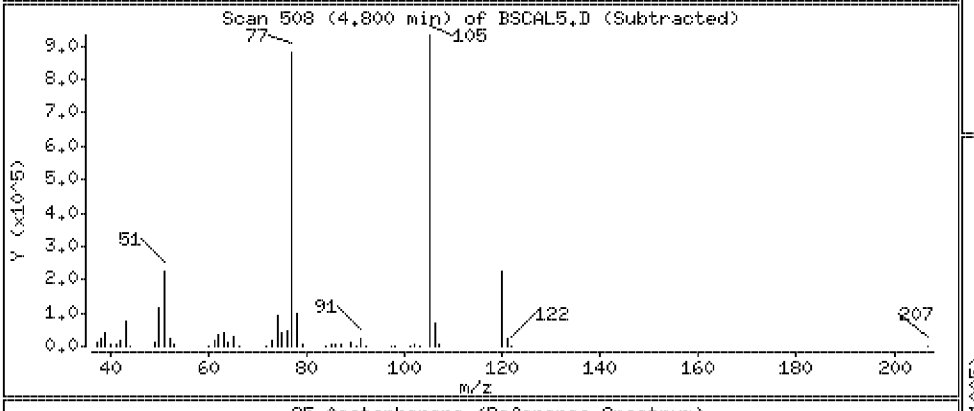
Column diameter: 0.25

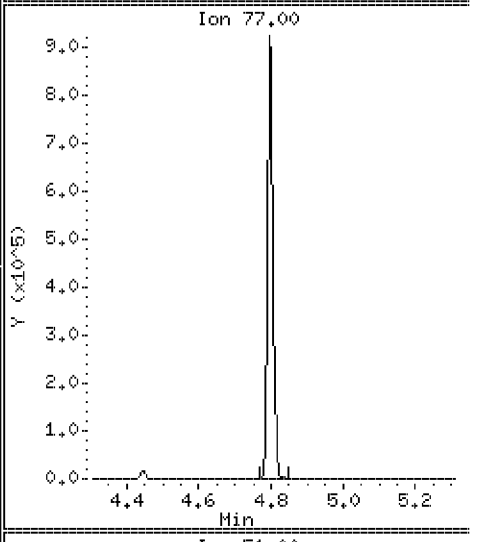
25 Acetophenone

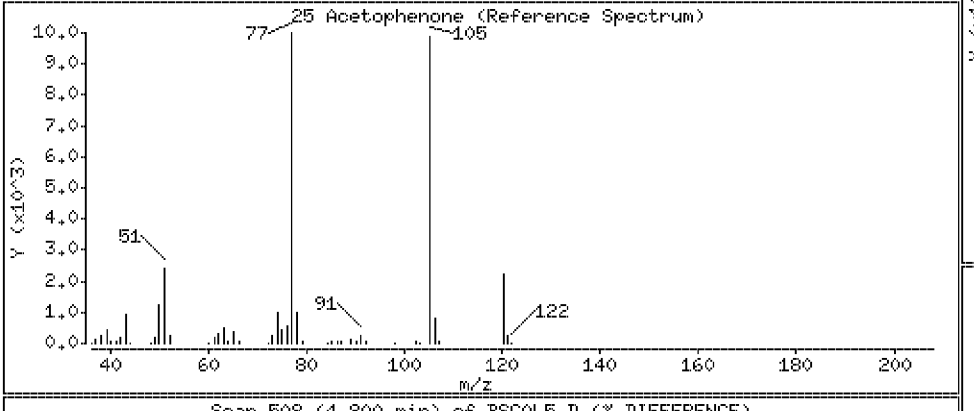
Concentration: 64.5 ug/l

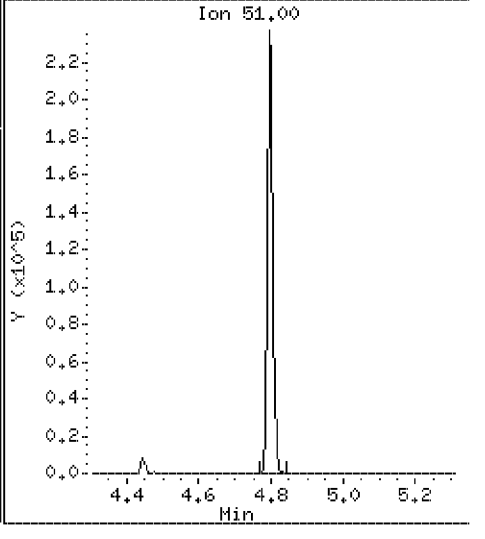


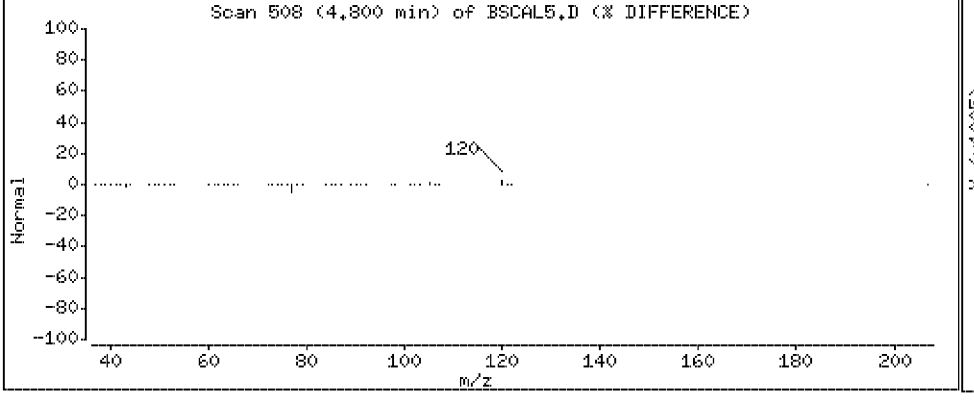












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

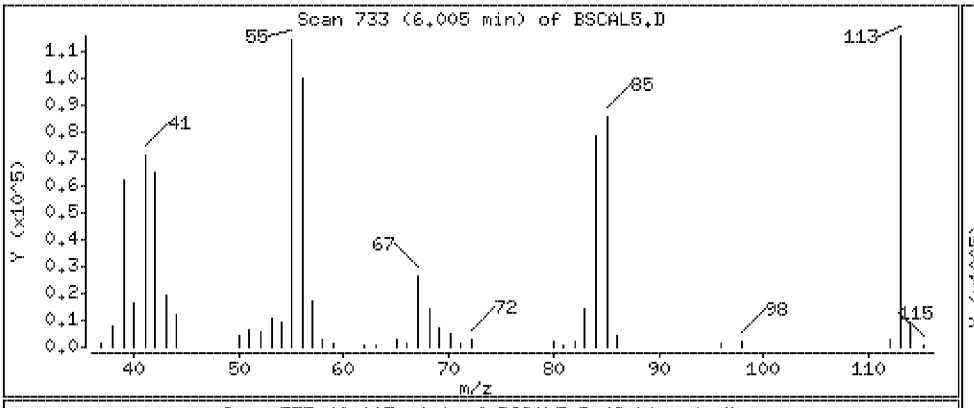
Operator: PEL

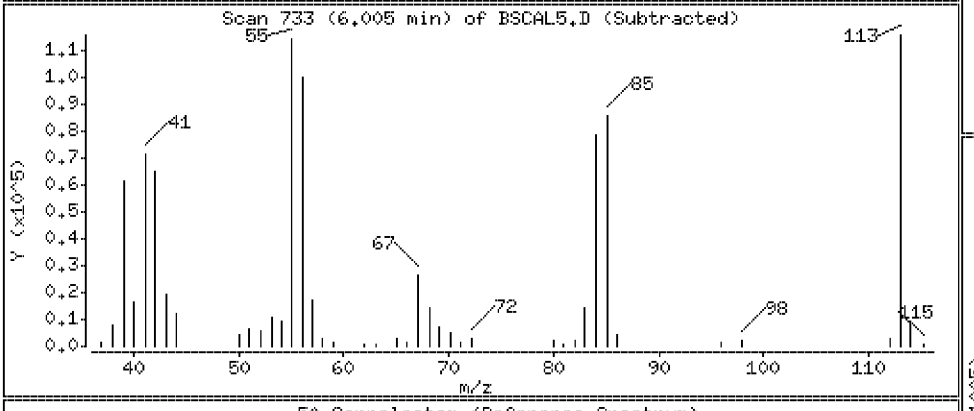
Column phase: HPMS-5

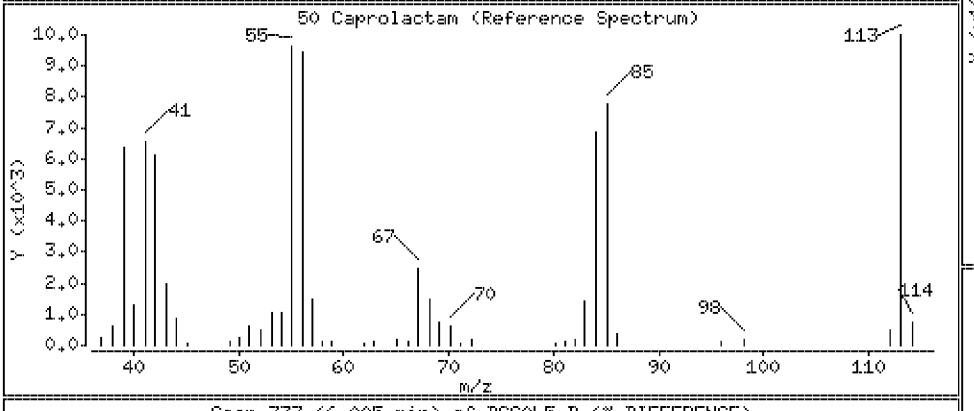
Column diameter: 0.25

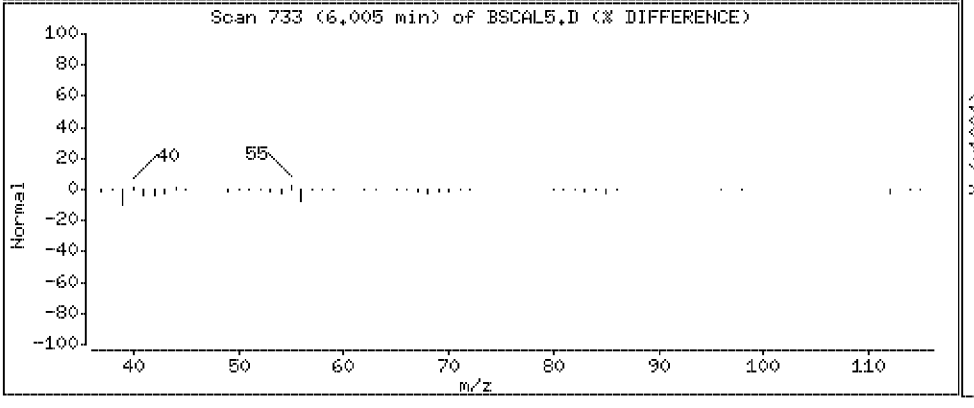
50 Caprolactam

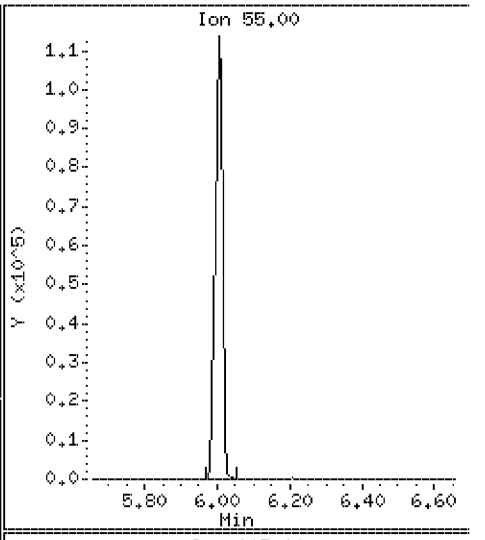
Concentration: 57.7 ug/l

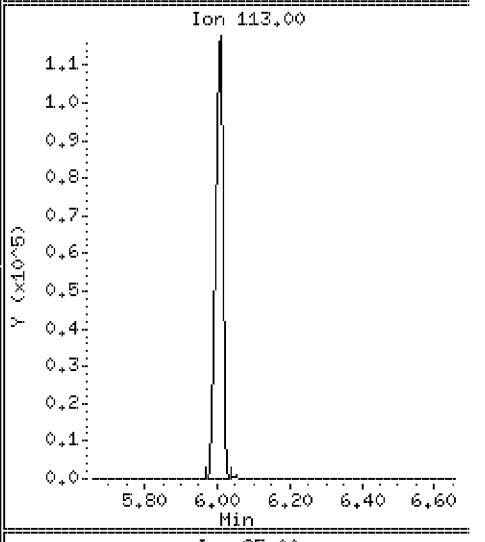


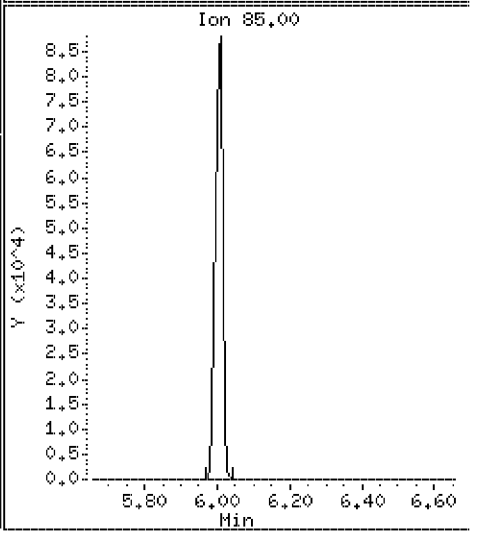












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

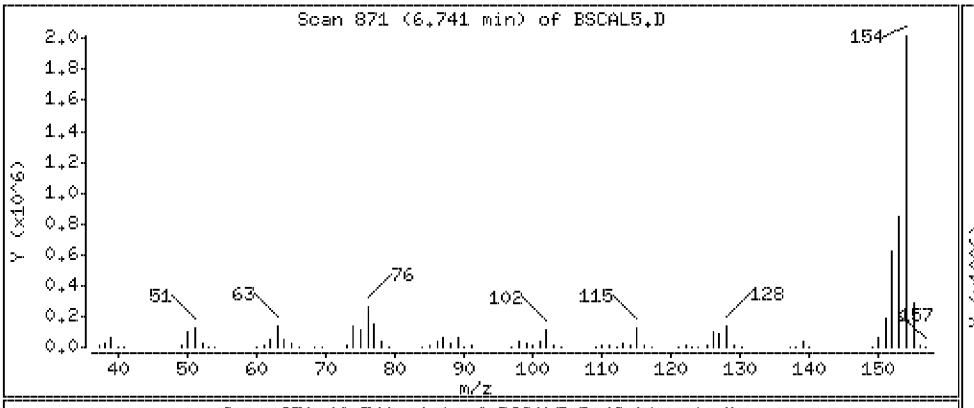
Operator: PEL

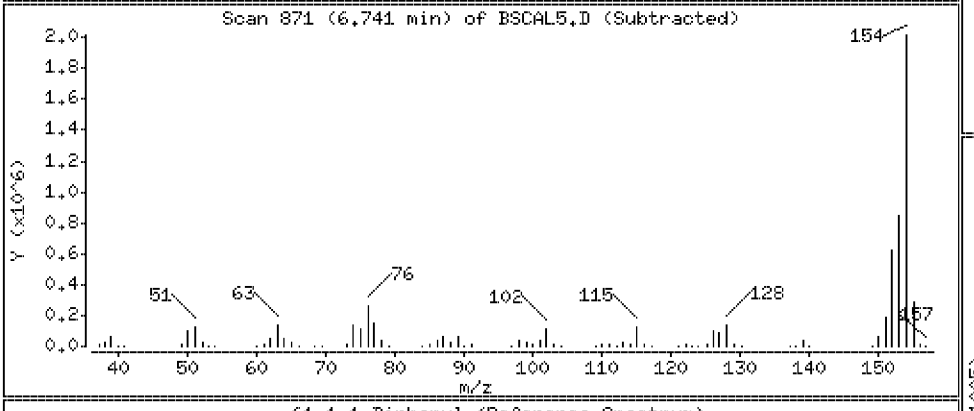
Column phase: HPMS-5

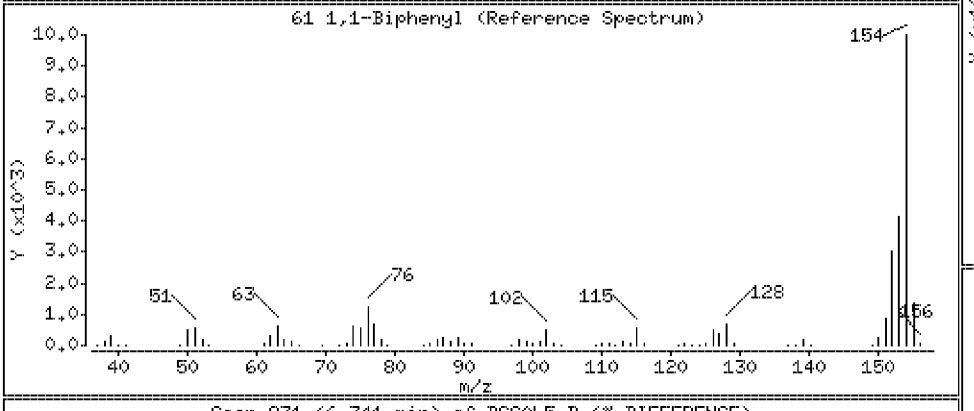
Column diameter: 0.25

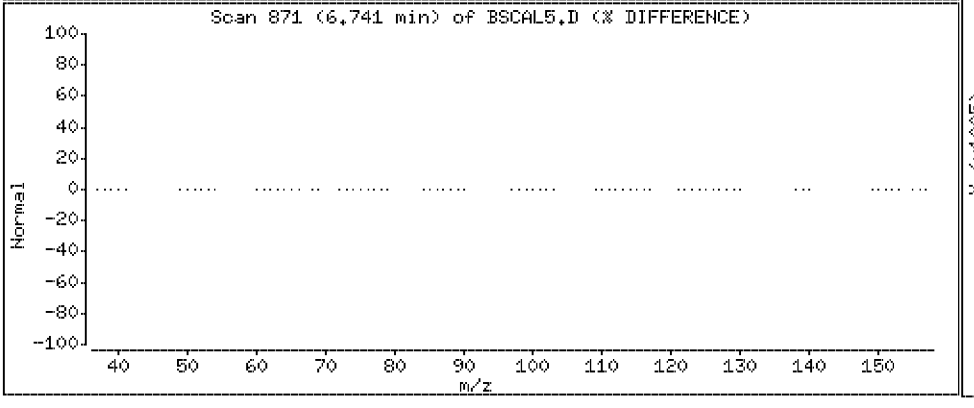
61 1,1-Biphenyl

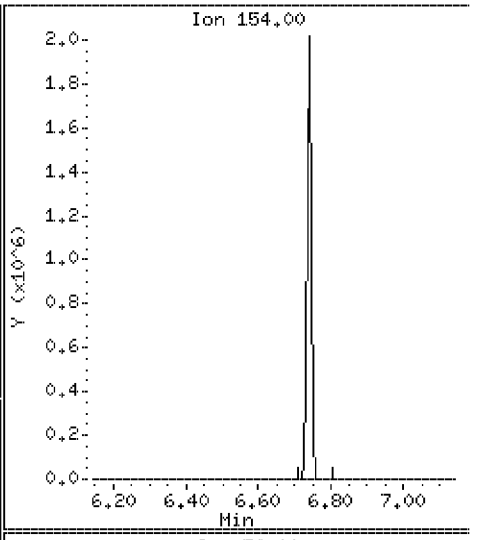
Concentration: 63.2 ug/l

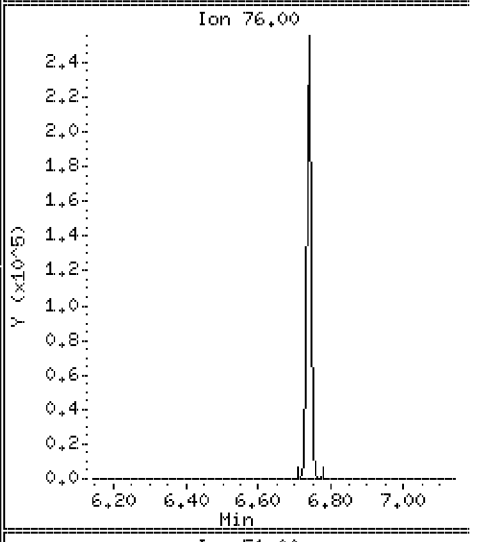


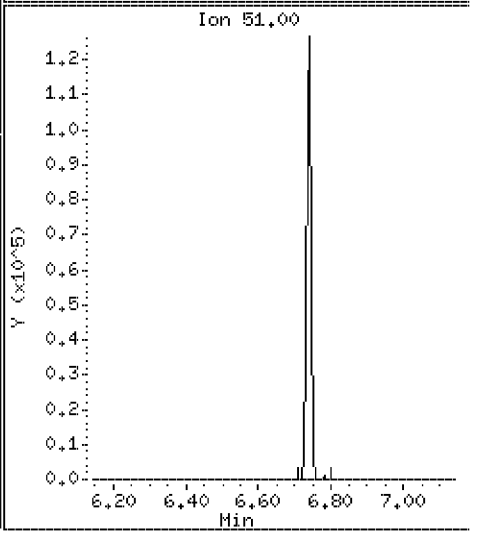












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

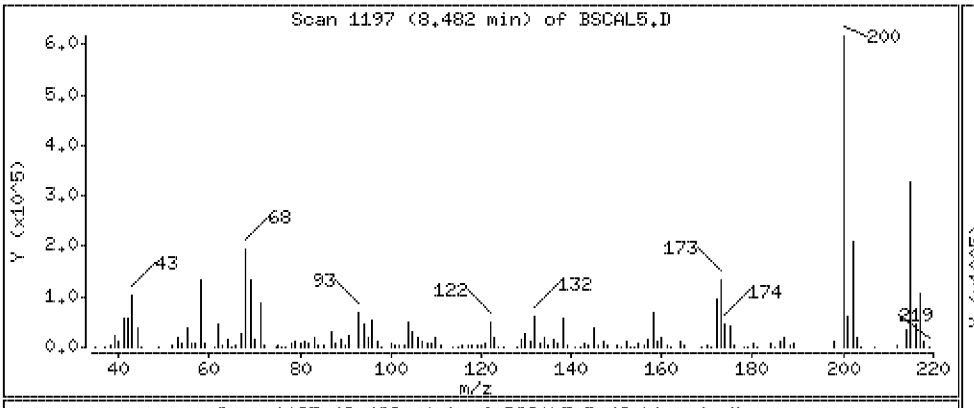
Operator: PEL

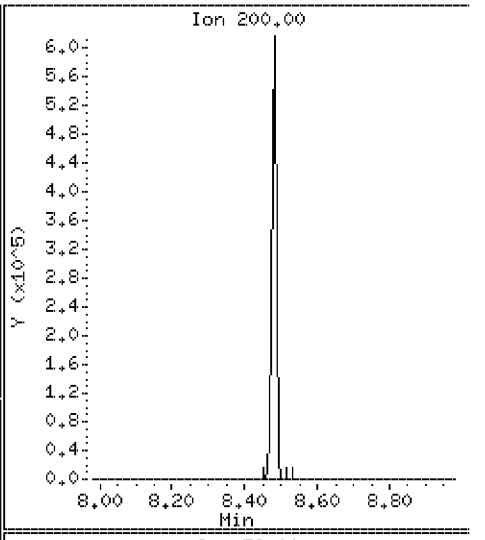
Column phase: HPMS-5

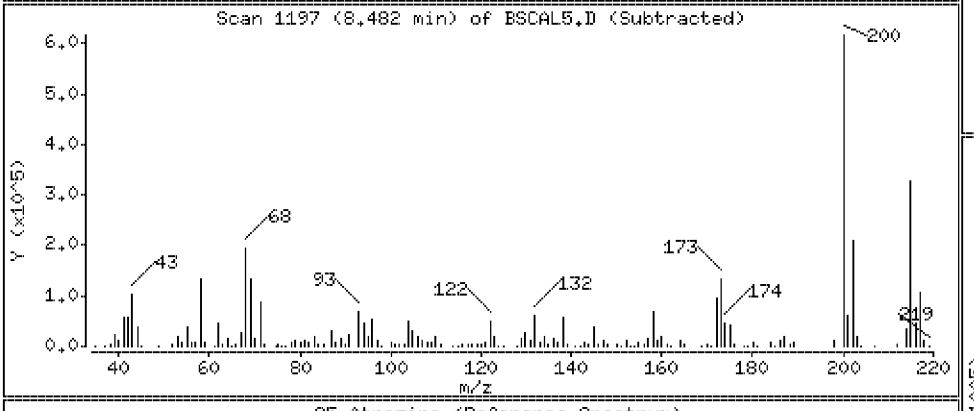
Column diameter: 0.25

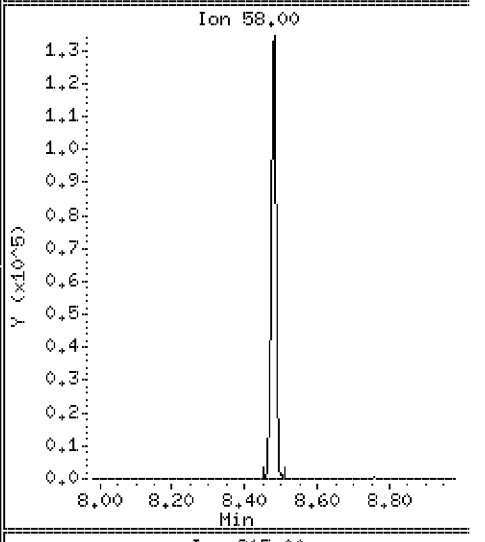
95 Atrazine

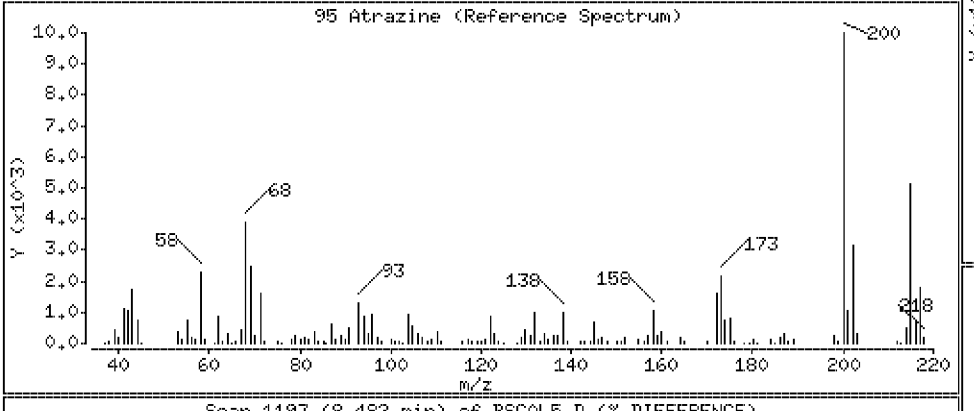
Concentration: 61.9 ug/l

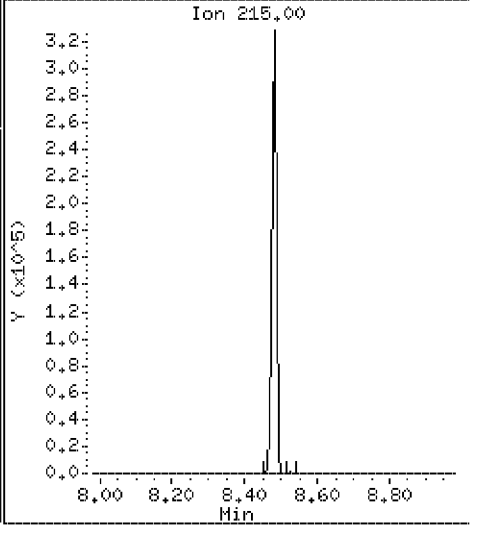


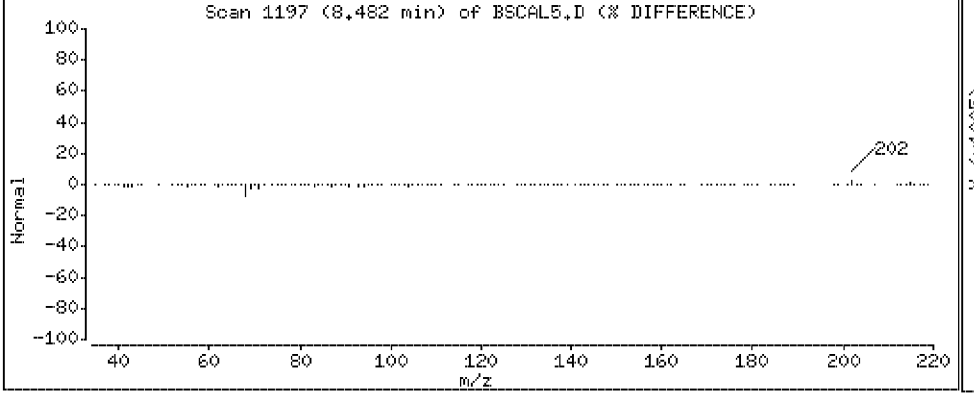












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

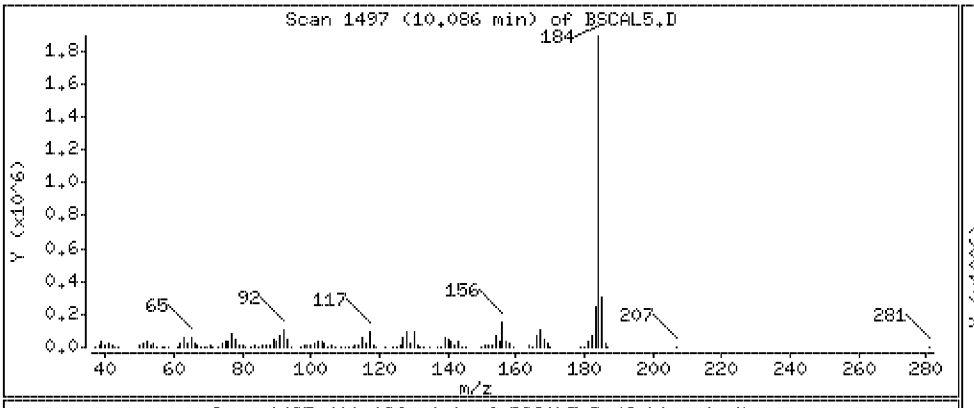
Operator: PEL

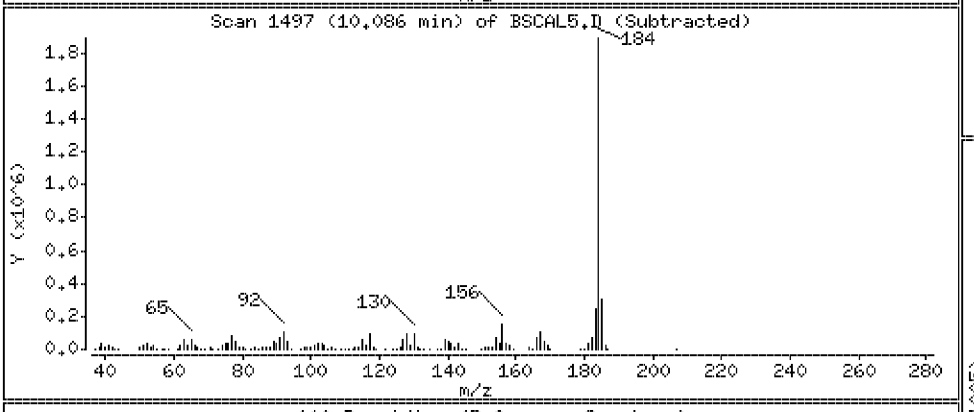
Column phase: HPMS-5

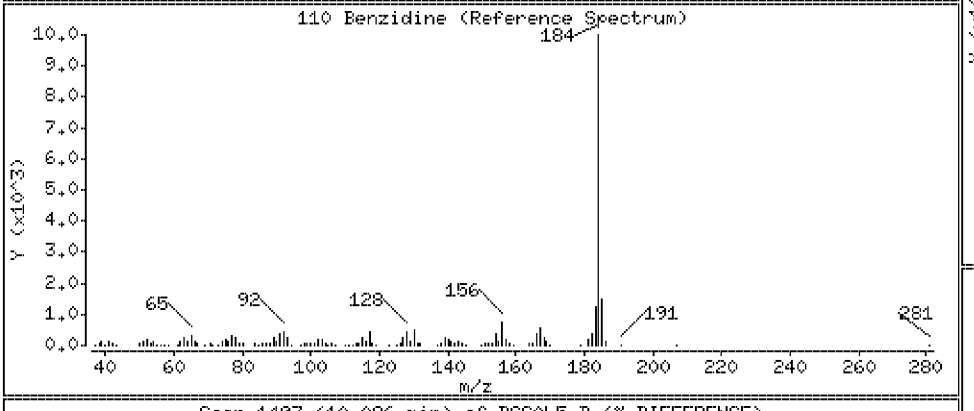
Column diameter: 0.25

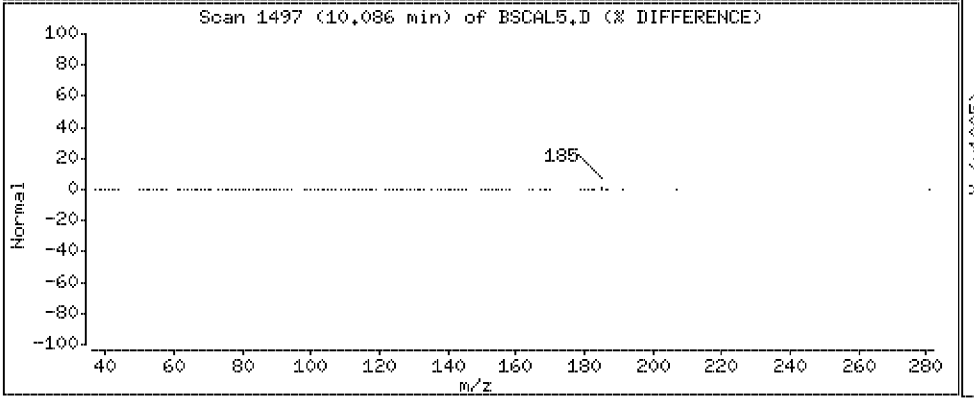
110 Benzidine

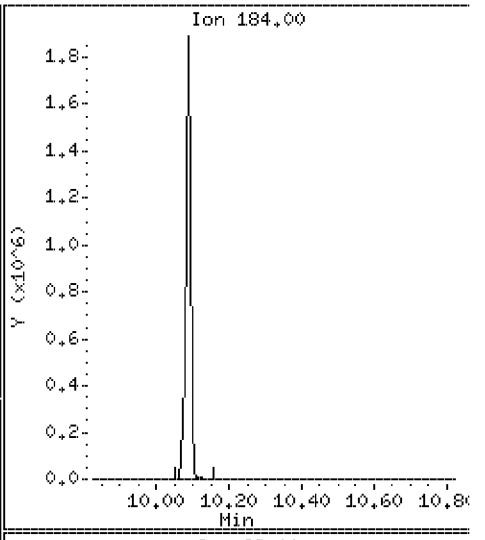
Concentration: 72.5 ug/l

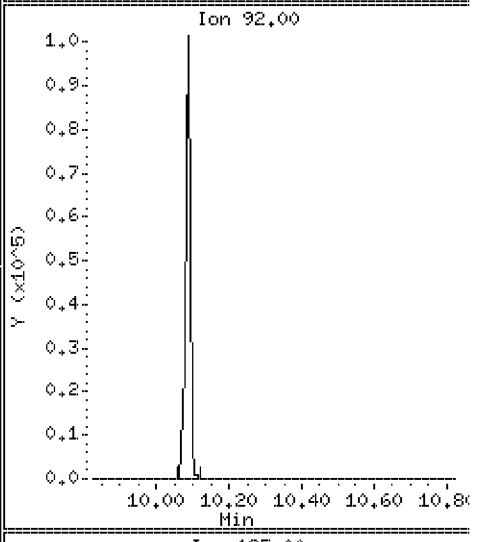


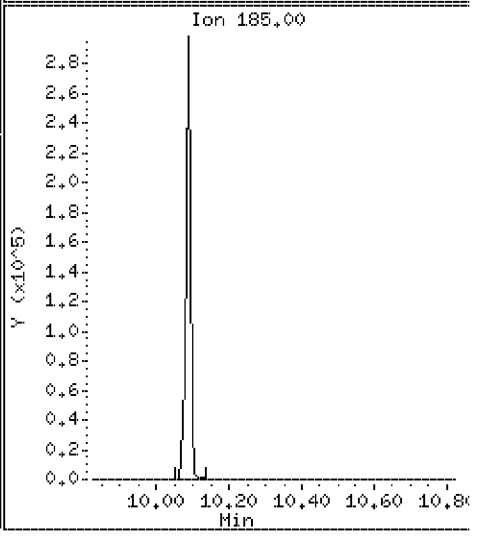












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Date : 23-APR-2012 14:44

Client ID: BSCAL5

Instrument: smsd03.i

Sample Info: 45935

Purge Volume: 1000.0

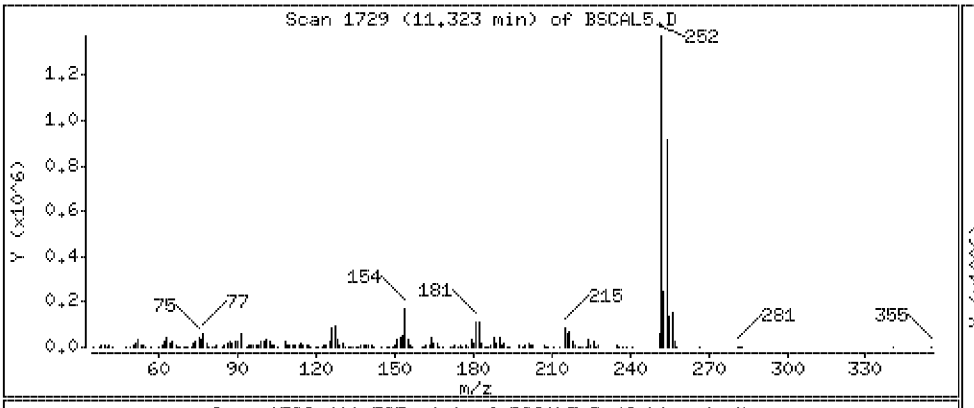
Operator: PEL

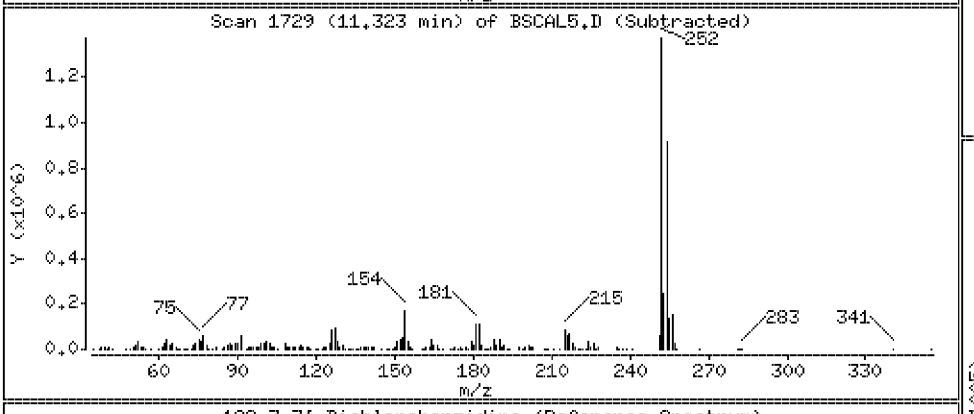
Column phase: HPMS-5

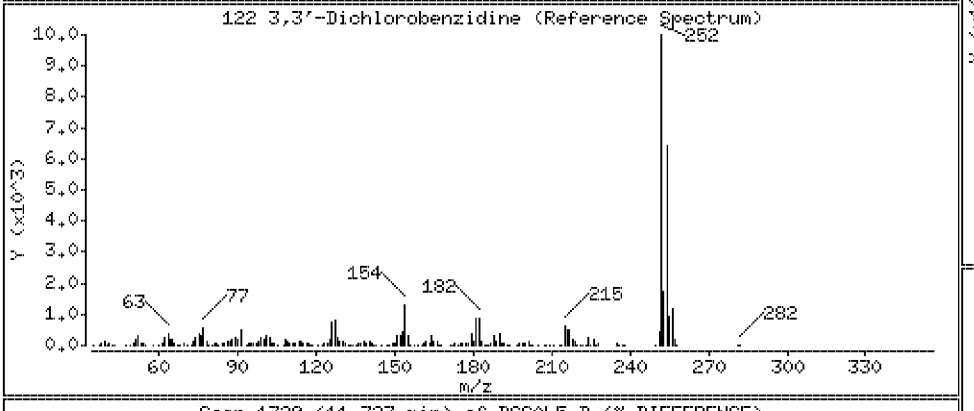
Column diameter: 0.25

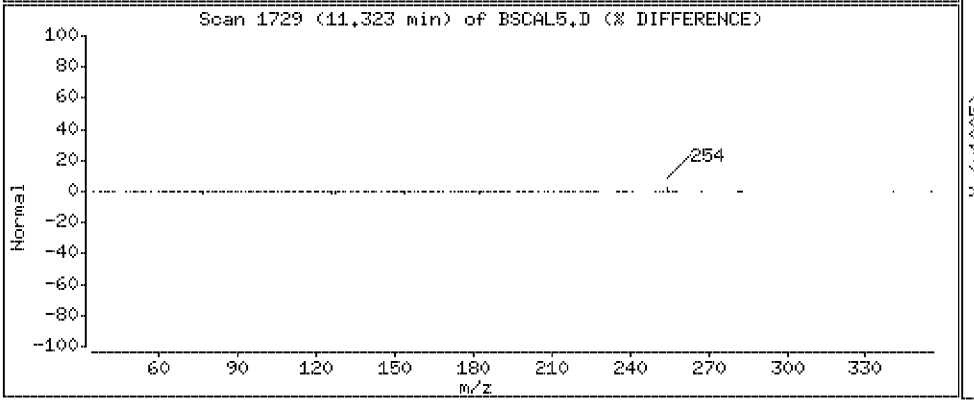
122 3,3'-Dichlorobenzidine

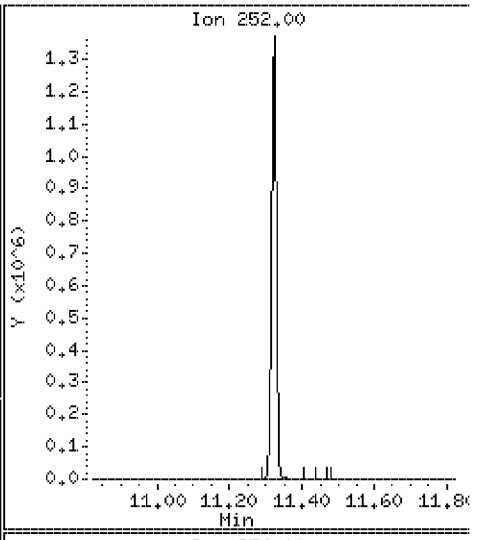
Concentration: 62.1 ug/l

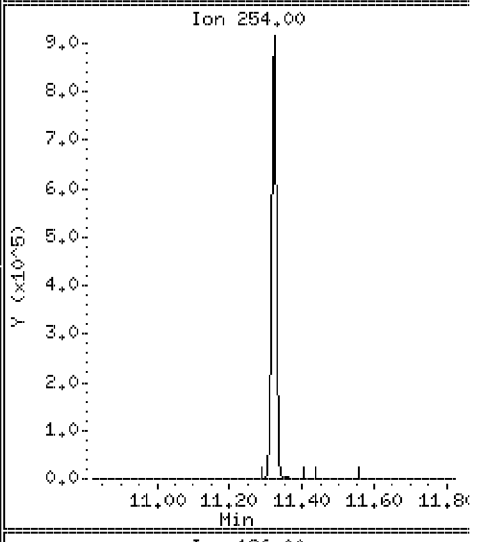


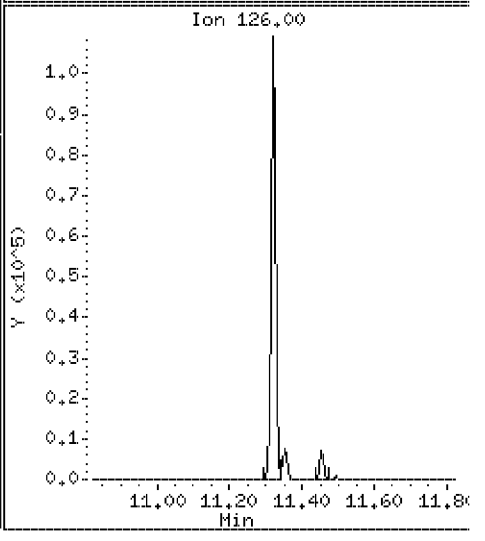












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL4.D
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Inj Date : 23-APR-2012 15:07 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45936
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 13:56 Cal File: BSCAL7.D
Als bottle: 13 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

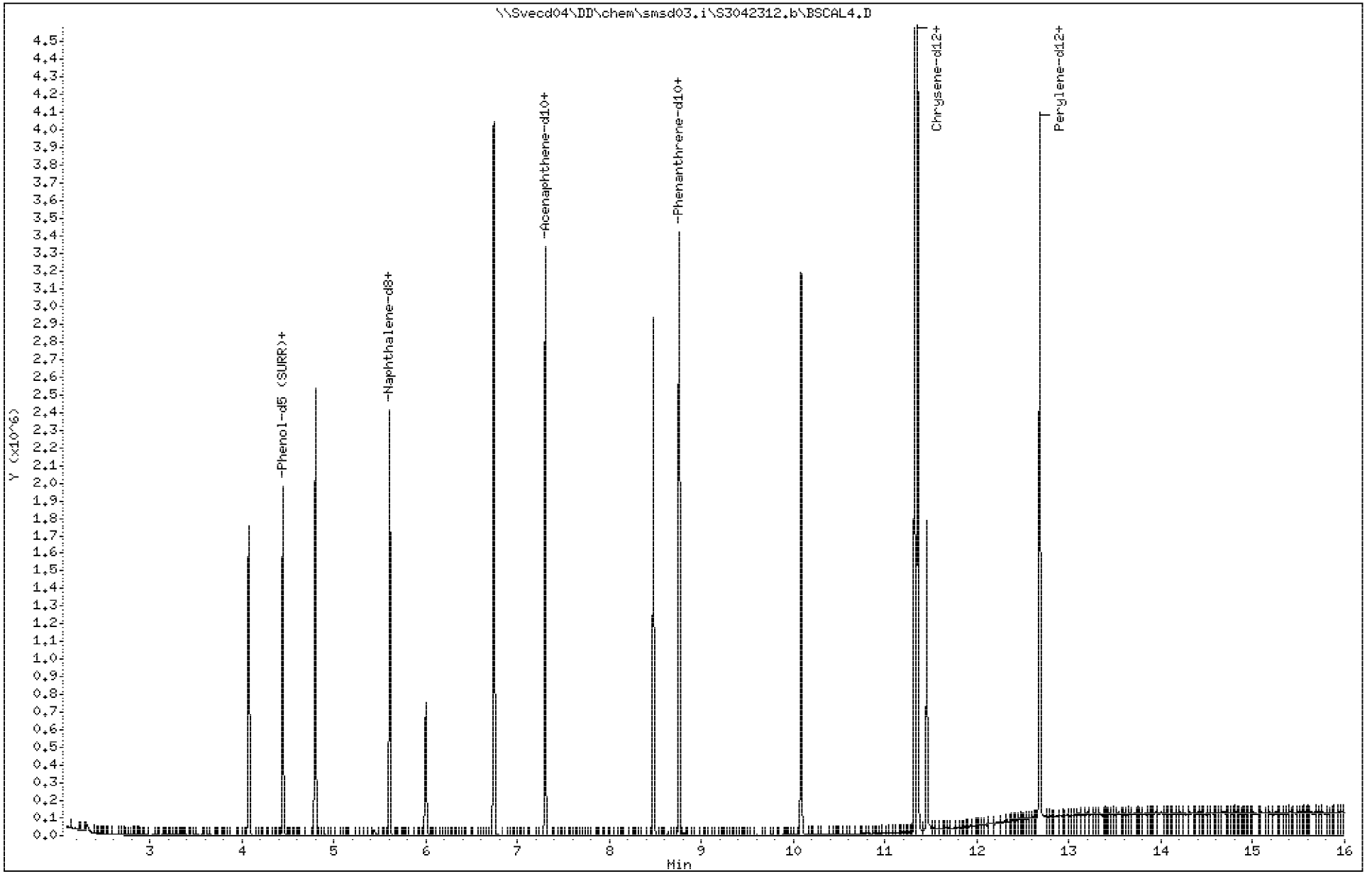
Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
4.075	4.161	(0.917)	77	387136	45.0000	47.1	70.00- 130.00	100.00
4.075	4.161	(0.917)	106	301000			0.00- 30.92	77.75
4.075	4.161	(0.917)	51	133228			231.65- 291.65	34.41
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.446	4.448	(1.000)	152	269674	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	170268			32.20- 92.20	63.14
4.446	4.448	(1.000)	150	415518			139.77- 199.77	154.08
25 Acetophenone						CAS #: 98-86-2		
4.798	4.807	(0.856)	105	628941	45.0000	45.8	70.00- 130.00	100.00
4.798	4.807	(0.856)	77	626825			4410.01-4470.01	99.66
4.798	4.807	(0.856)	51	157790			1262.06-1322.06	25.09
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.607	5.610	(1.000)	136	911843	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	49152			0.00- 35.51	5.39
50 Caprolactam						CAS #: 105-60-2		
6.001	6.158	(1.070)	55	118320	45.0000	45.1	70.00- 130.00	100.00
6.002	6.158	(1.070)	113	124865			106.52- 166.52	105.53

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
50 Caprolactam (continued)								
6.001	6.158	(1.070)	85	92187			55.05- 115.05	77.91
61 1,1-Biphenyl						CAS #: 92-52-4		
6.740	6.642	(0.923)	154	1183096	45.0000	45.6	70.00- 130.00	100.00
6.739	6.642	(0.923)	76	152783			1762.39-1822.39	12.91
6.738	6.642	(0.923)	51	73980			1618.22-1678.22	6.25
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	651751	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	611060			64.73- 124.73	93.76
7.303	7.305	(1.000)	160	277144			12.46- 72.46	42.52
95 Atrazine						CAS #: 1912-24-9		
8.479	8.479	(0.968)	200	386956	45.0000	46.7	80.00- 120.00	100.00
8.478	8.479	(0.968)	58	85828			0.00- 52.18	22.18
8.479	8.479	(0.968)	215	202157			22.24- 82.24	52.24
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1236842	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	78189			0.00- 36.35	6.32
8.757	8.761	(1.000)	80	95674			0.00- 37.82	7.74
110 Benzidine						CAS #: 92-87-5		
10.084	10.322	(0.888)	184	1206252	45.0000	48.3	70.00- 130.00	100.00
10.082	10.322	(0.888)	92	60029			36.43- 96.43	4.98
10.084	10.322	(0.888)	185	176858			0.00- 47.46	14.66
122 3,3'-Dichlorobenzidine						CAS #: 91-94-1		
11.321	11.321	(0.997)	252	902575	45.0000	47.9	80.00- 120.00	100.00
11.321	11.321	(0.997)	254	585096			34.83- 94.83	64.83
11.320	11.321	(0.997)	126	63893			0.00- 37.08	7.08
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1626692	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	87654			0.00- 36.38	5.39
11.354	11.359	(1.000)	236	429700			0.00- 57.06	26.42
* 130 Perylene-d12						CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	1675798	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	405527			0.00- 54.80	24.20
12.681	12.682	(1.000)	265	375564			0.00- 53.39	22.41

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL4.D
Date : 23-APR-2012 15:07
Client ID: BSCAL4
Instrument: smsd03.i
Sample Info: 45936
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1563



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Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

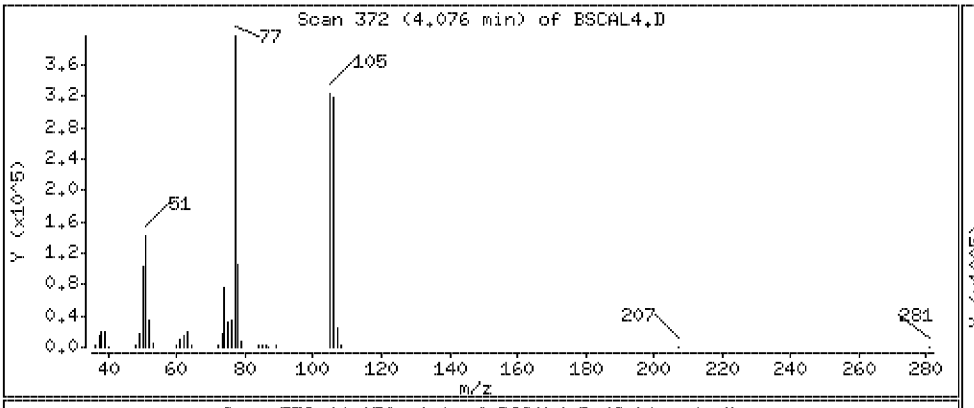
Operator: PEL

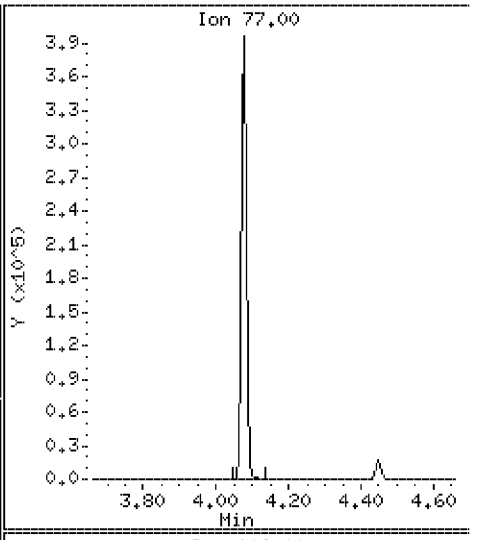
Column phase: HPMS-5

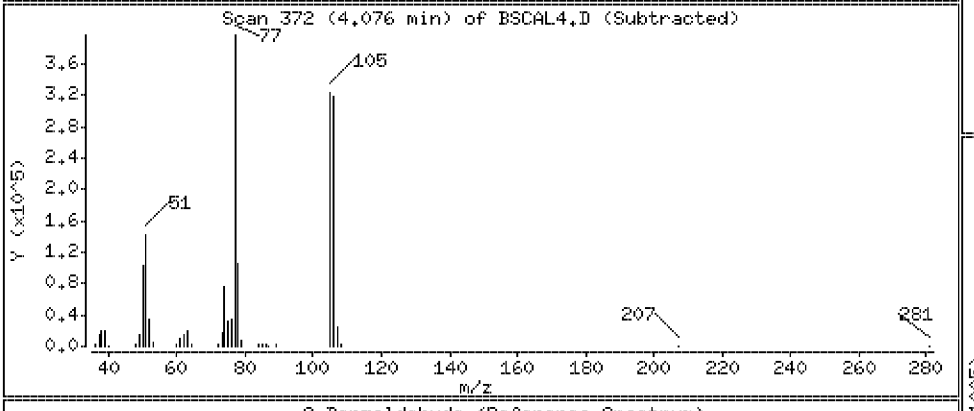
Column diameter: 0.25

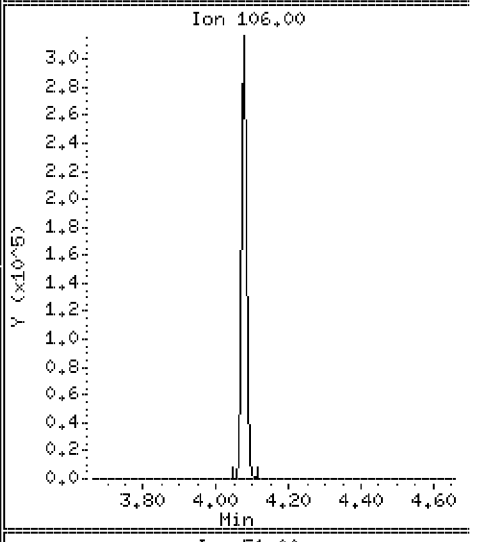
9 Benzaldehyde

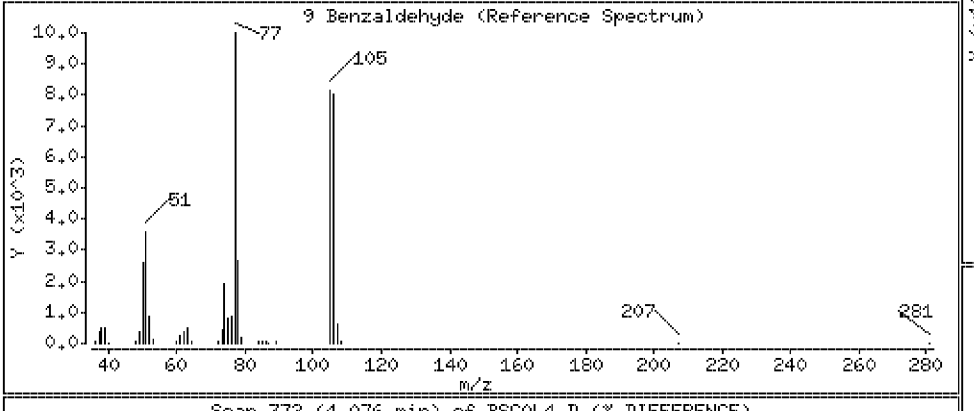
Concentration: 47.1 ug/l

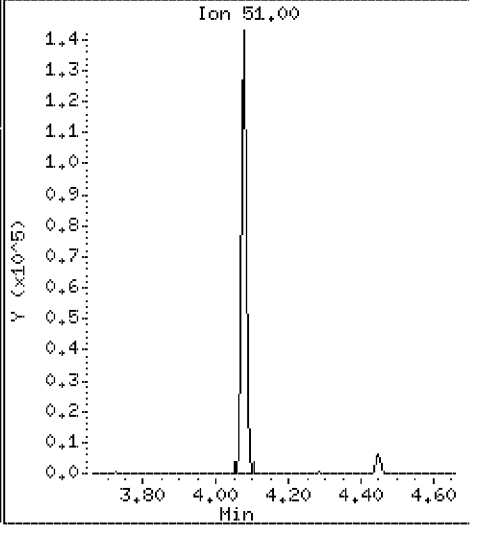


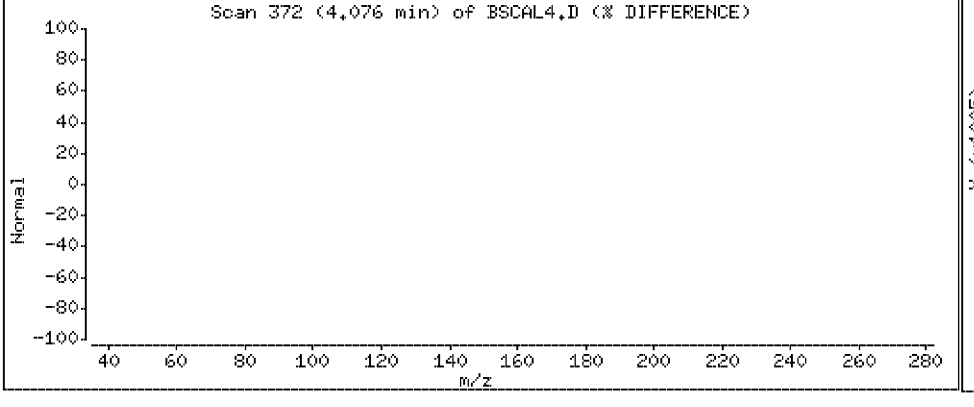












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Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

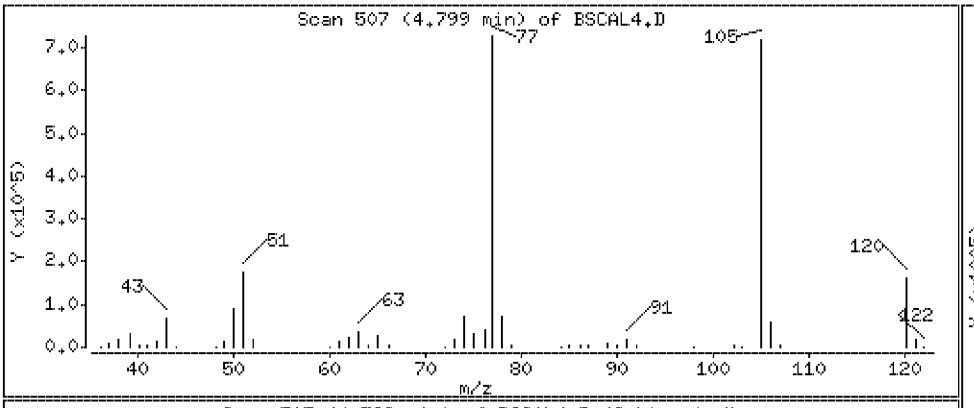
Operator: PEL

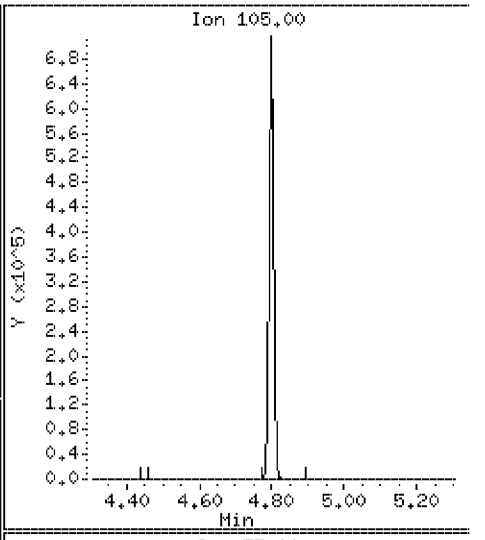
Column phase: HPMS-5

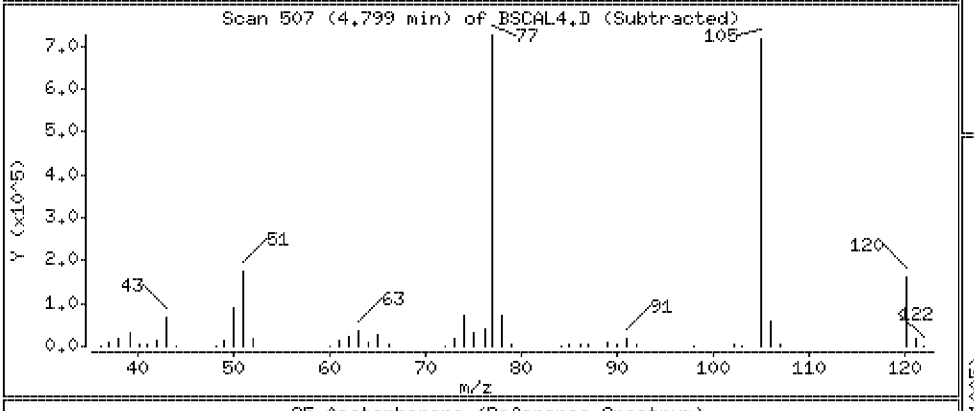
Column diameter: 0.25

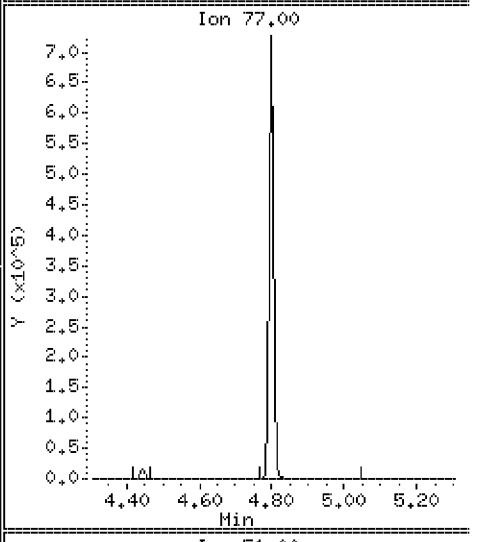
25 Acetophenone

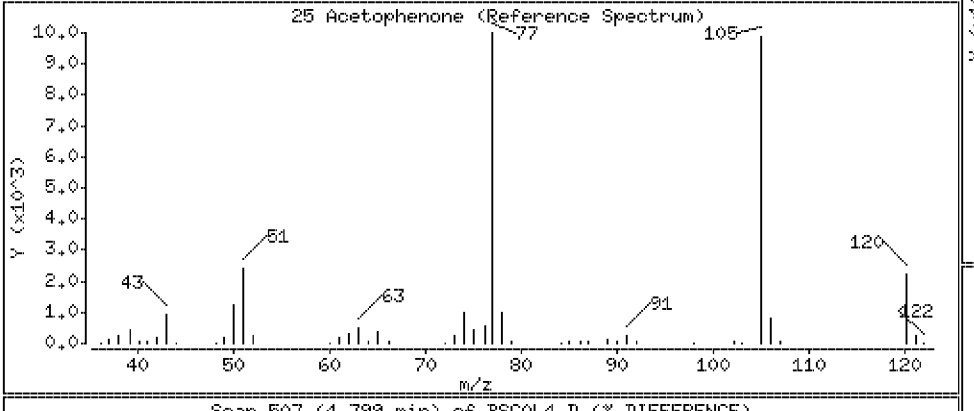
Concentration: 45.8 ug/l

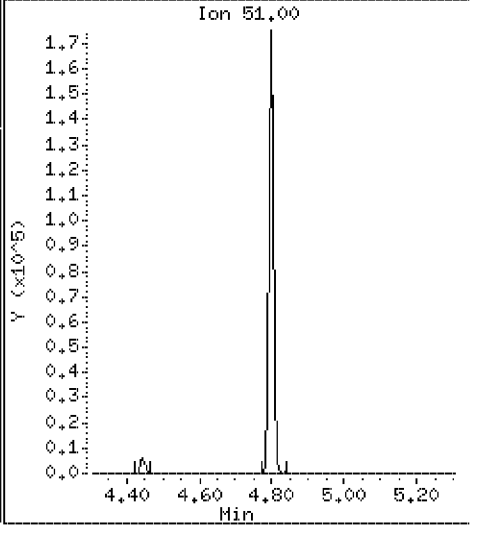


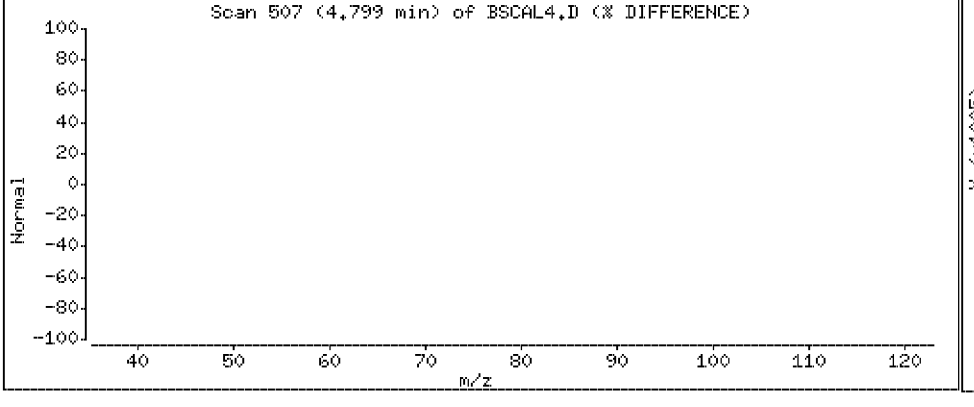












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Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

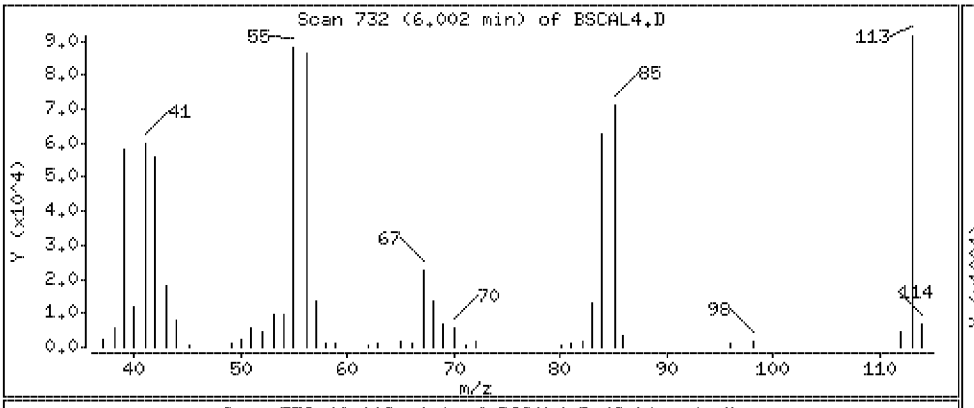
Operator: PEL

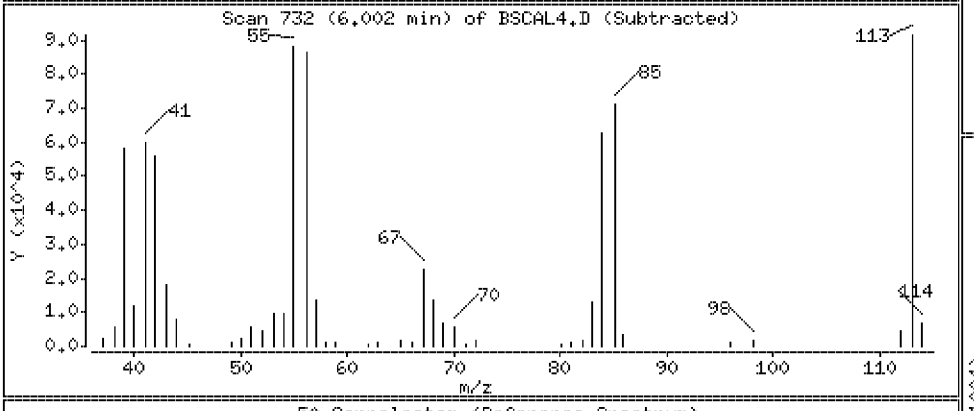
Column phase: HPMS-5

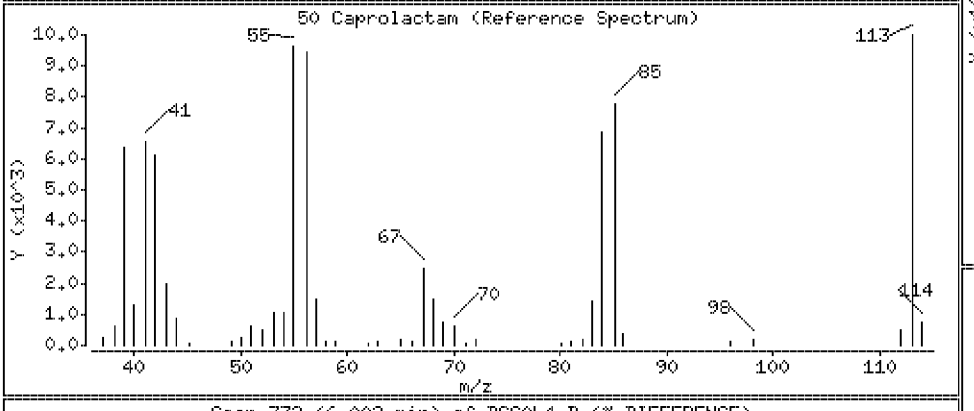
Column diameter: 0.25

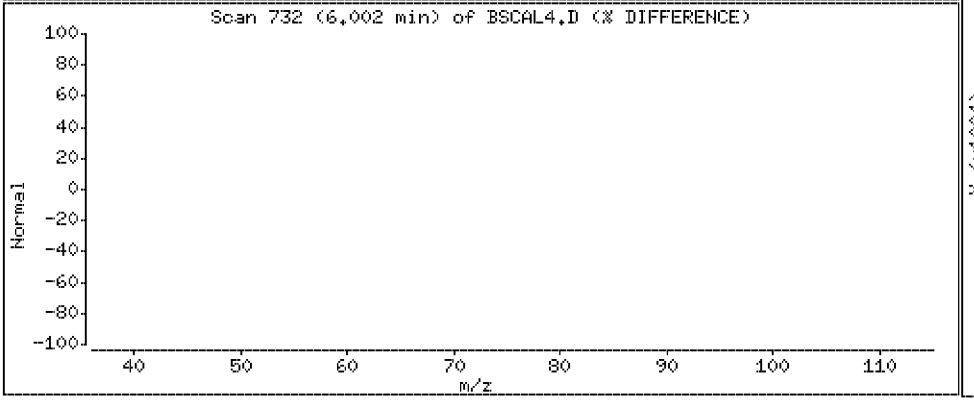
50 Caprolactam

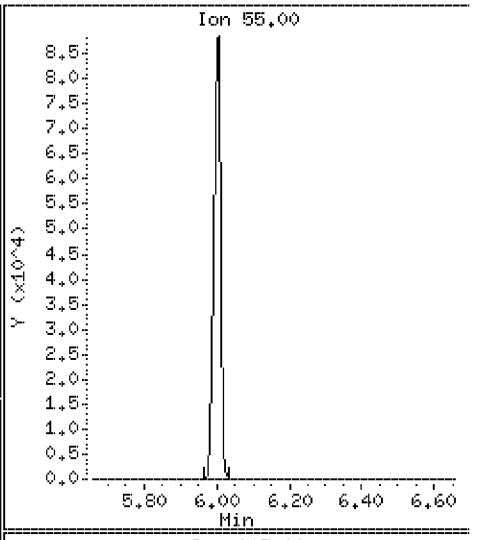
Concentration: 45.1 ug/l

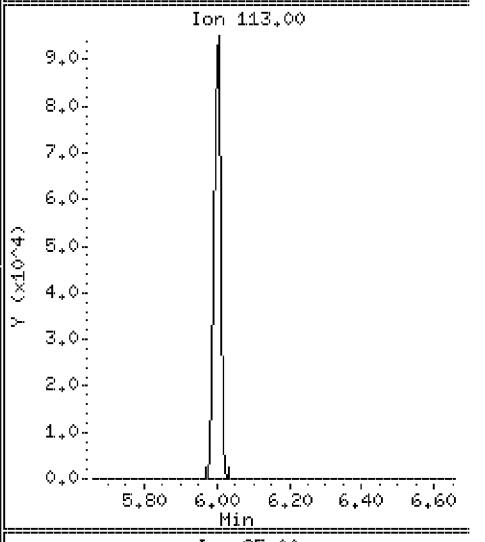


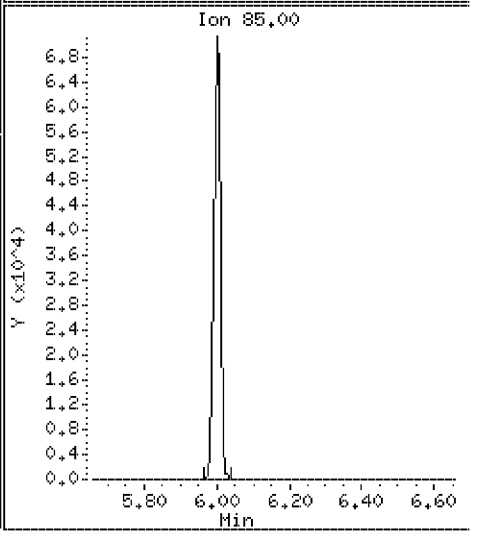












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Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

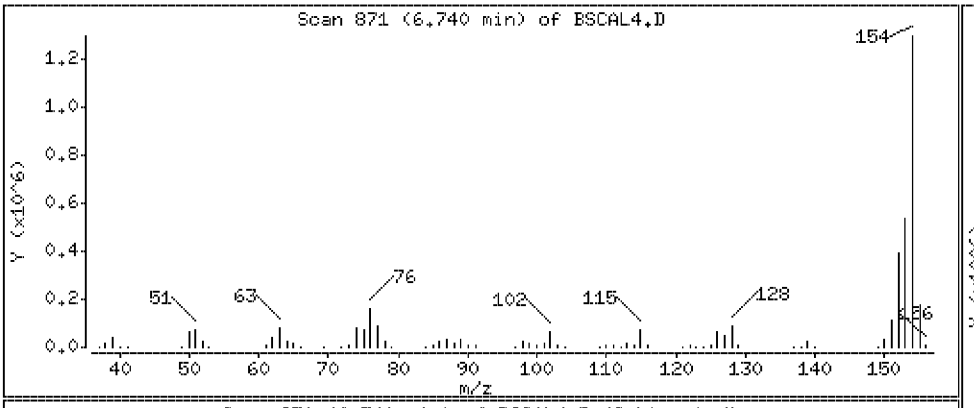
Operator: PEL

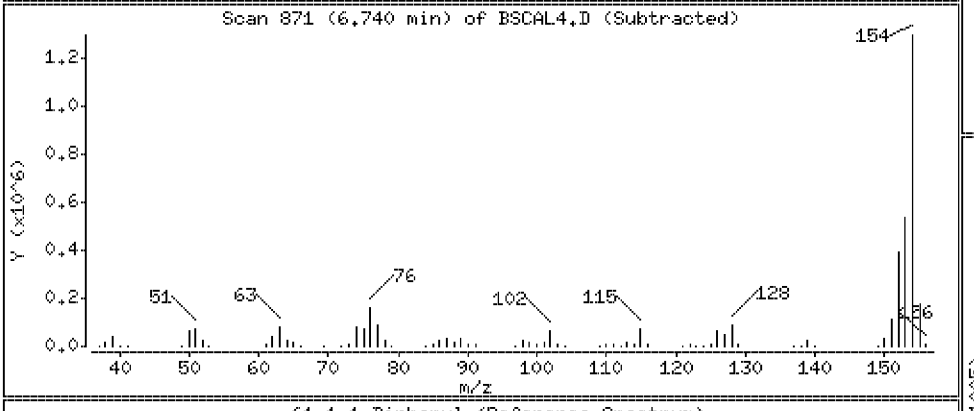
Column phase: HPMS-5

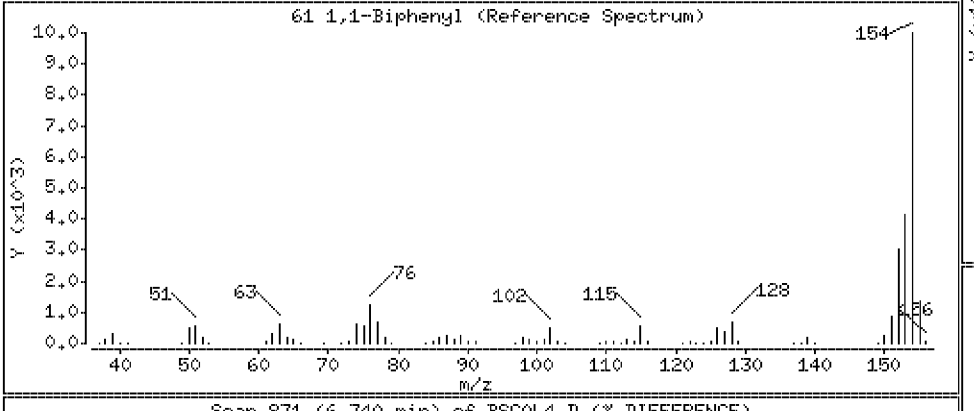
Column diameter: 0.25

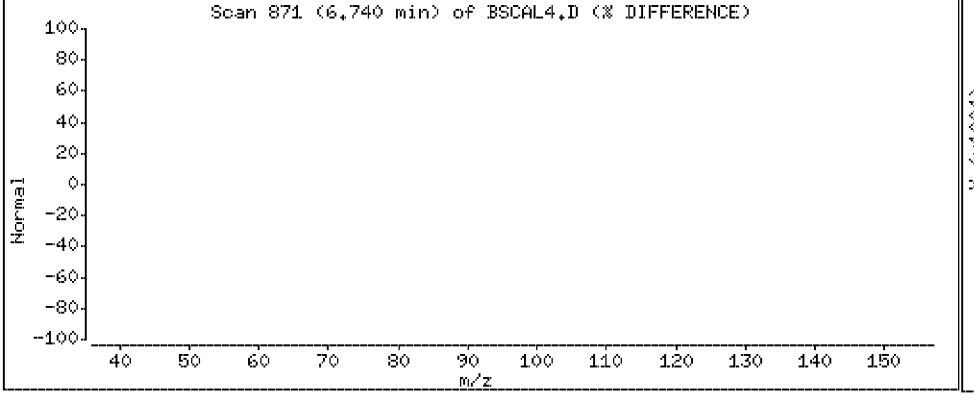
61 1,1-Biphenyl

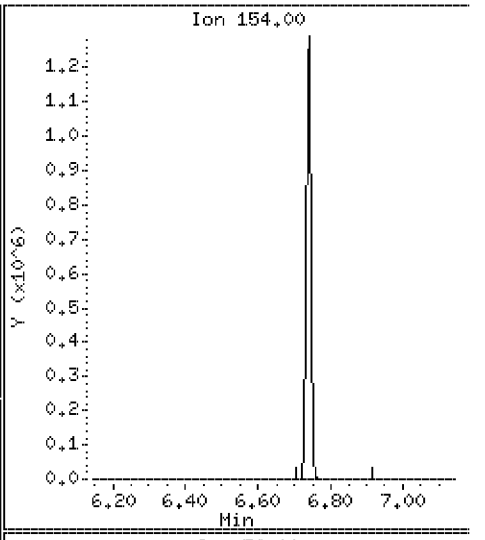
Concentration: 45.6 ug/l

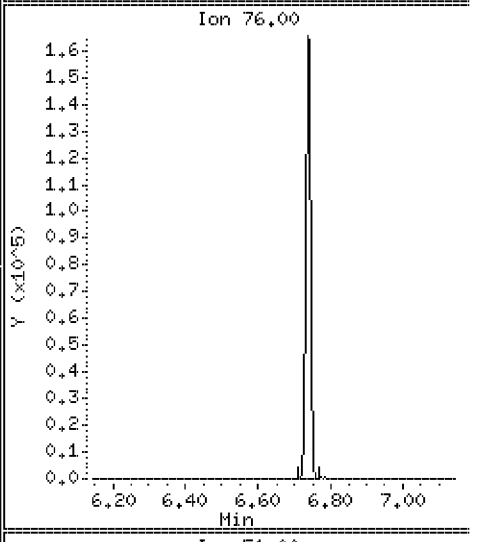


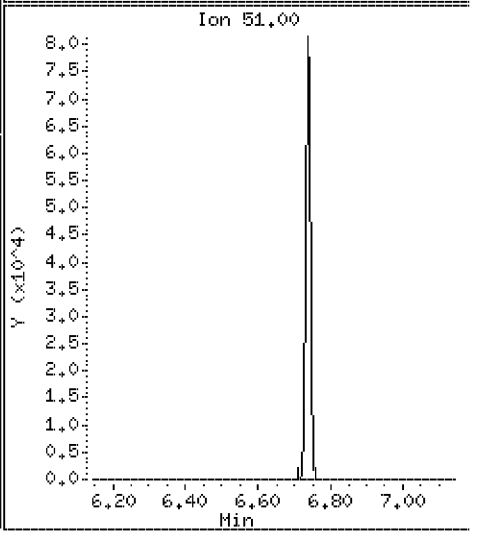












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Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

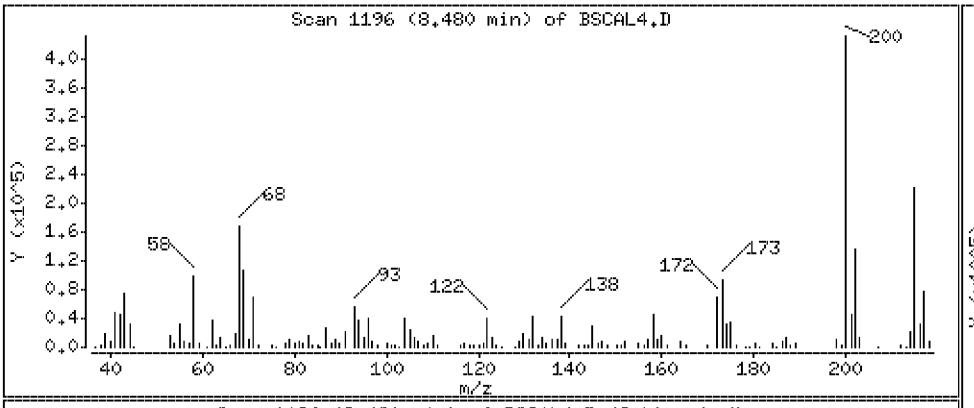
Operator: PEL

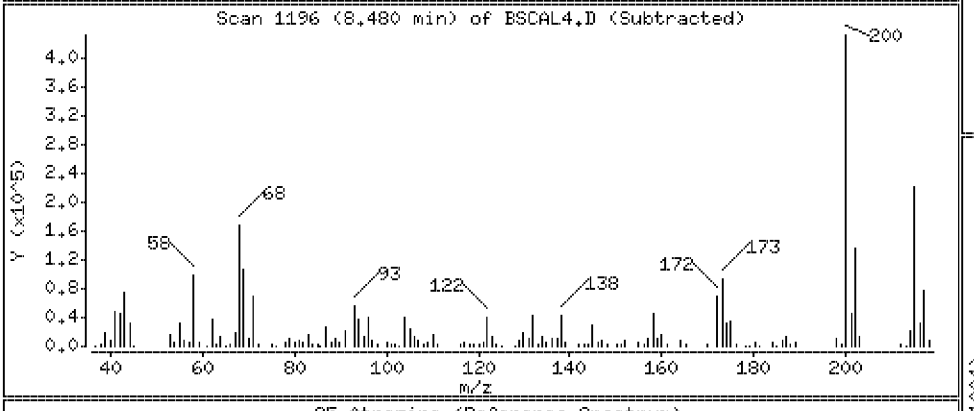
Column phase: HPMS-5

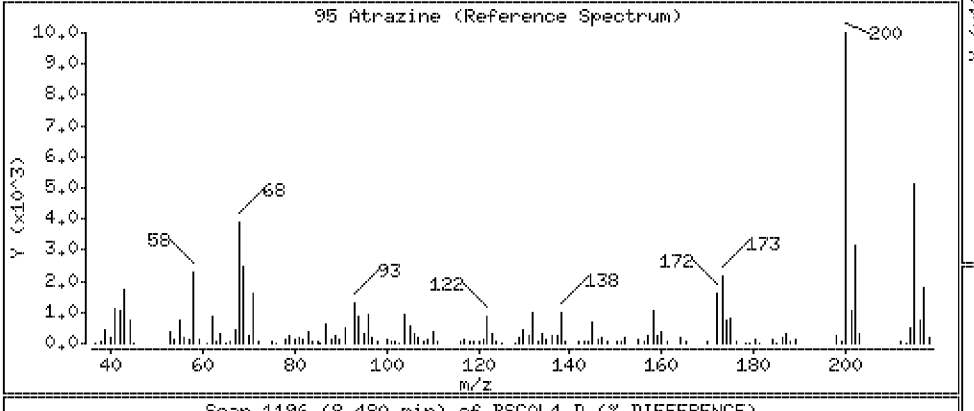
Column diameter: 0.25

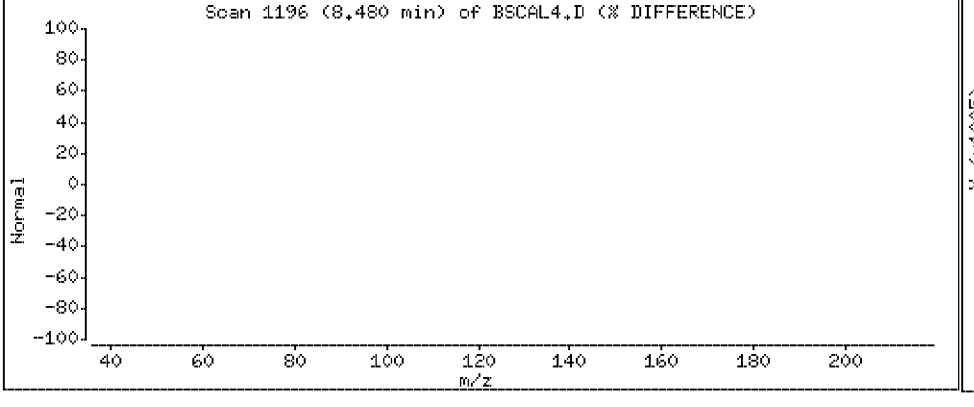
95 Atrazine

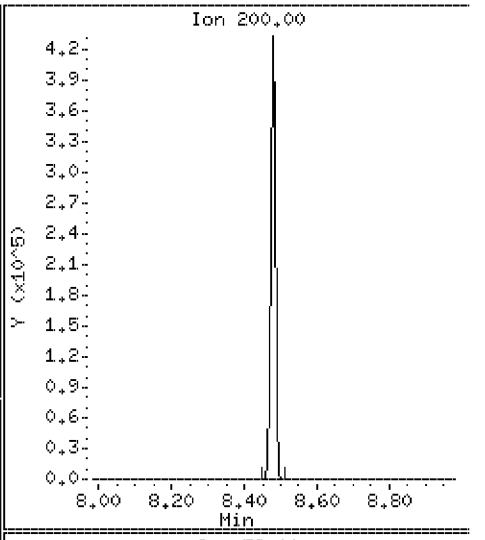
Concentration: 46.7 ug/l

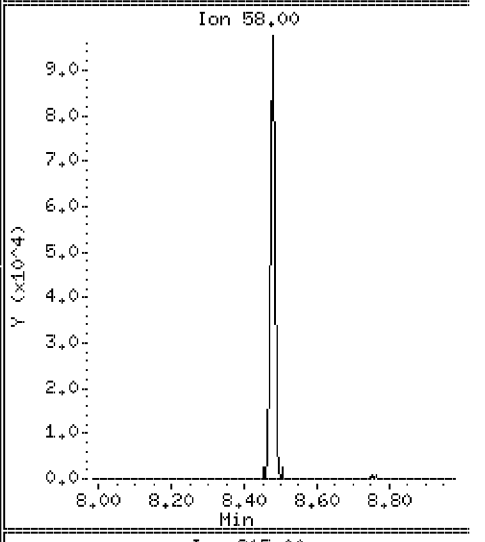


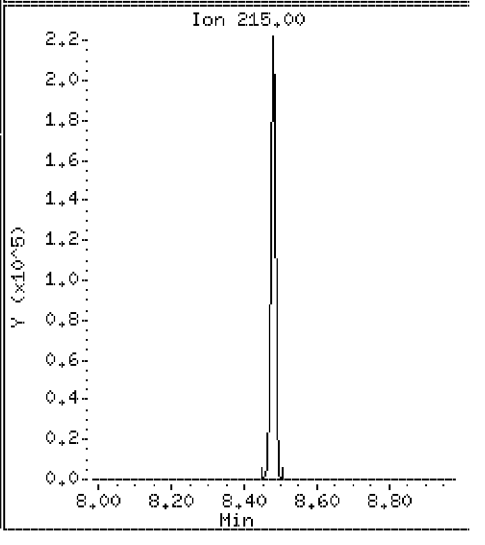












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL4.D

Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

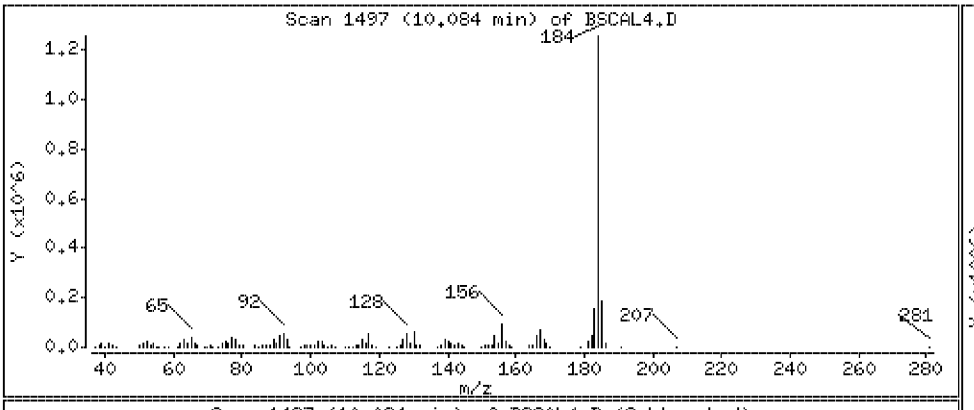
Operator: PEL

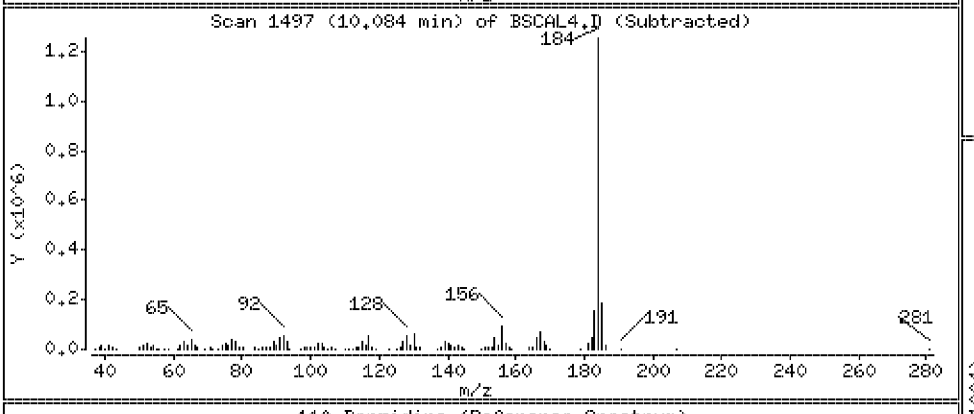
Column phase: HPMS-5

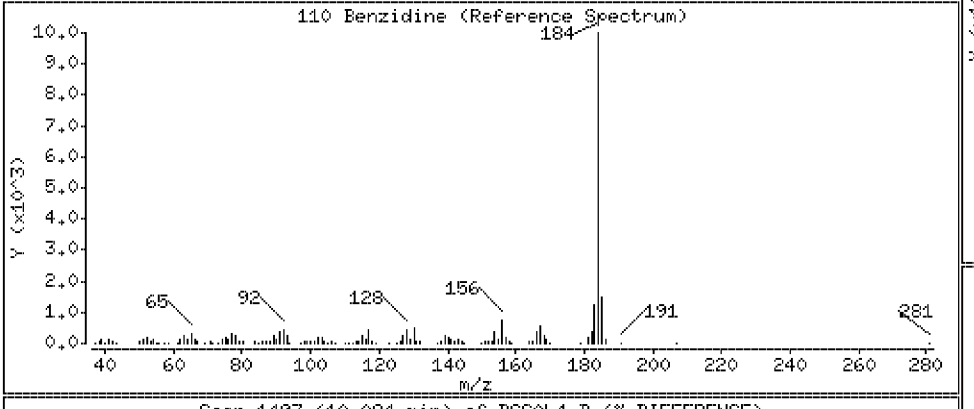
Column diameter: 0.25

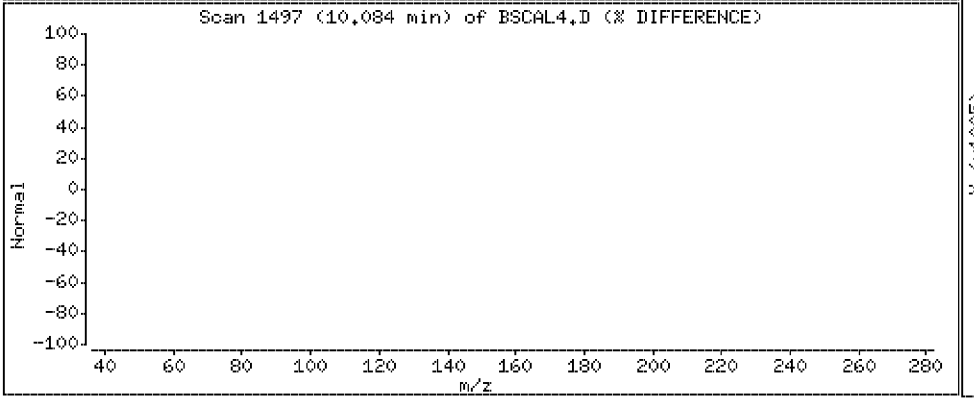
110 Benzidine

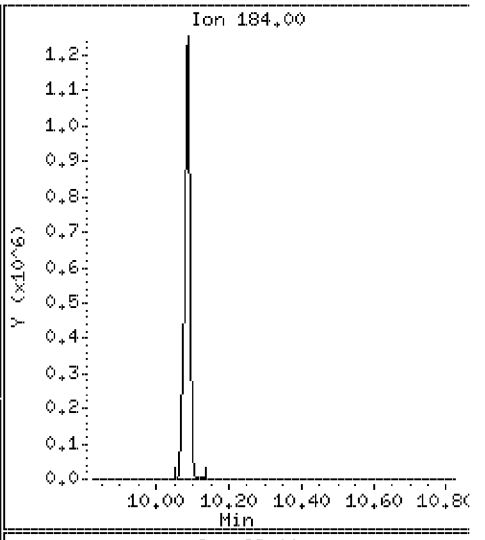
Concentration: 48.3 ug/l

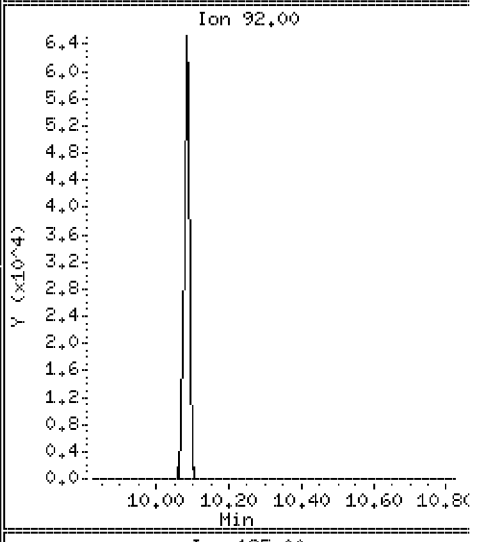


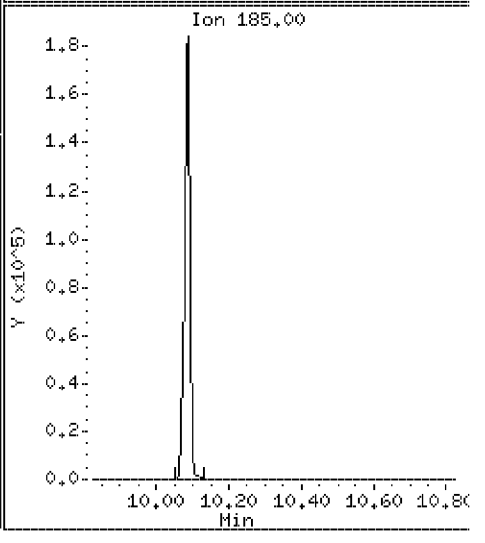












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL4.D

Date : 23-APR-2012 15:07

Client ID: BSCAL4

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

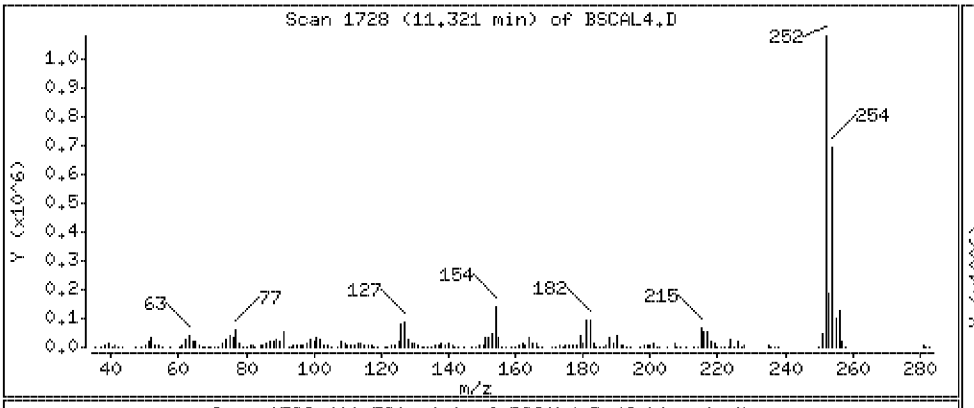
Operator: PEL

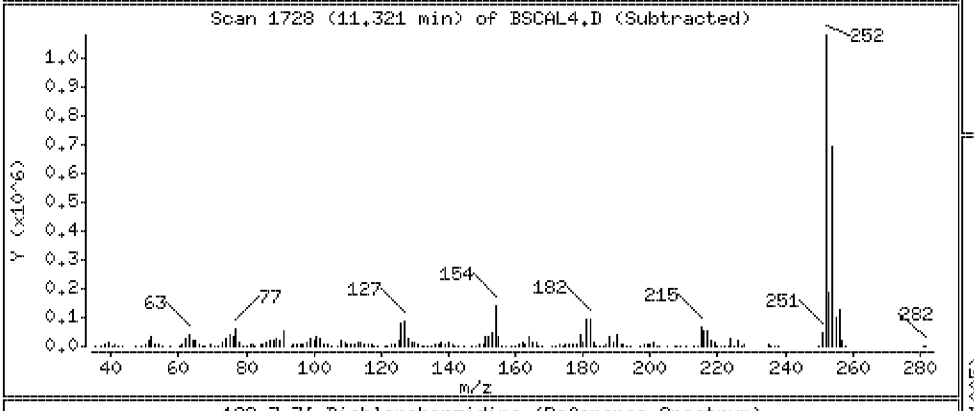
Column phase: HPMS-5

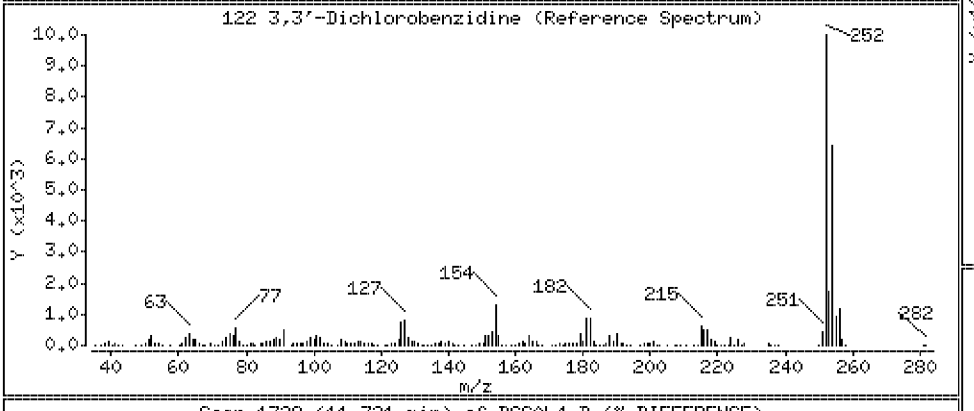
Column diameter: 0.25

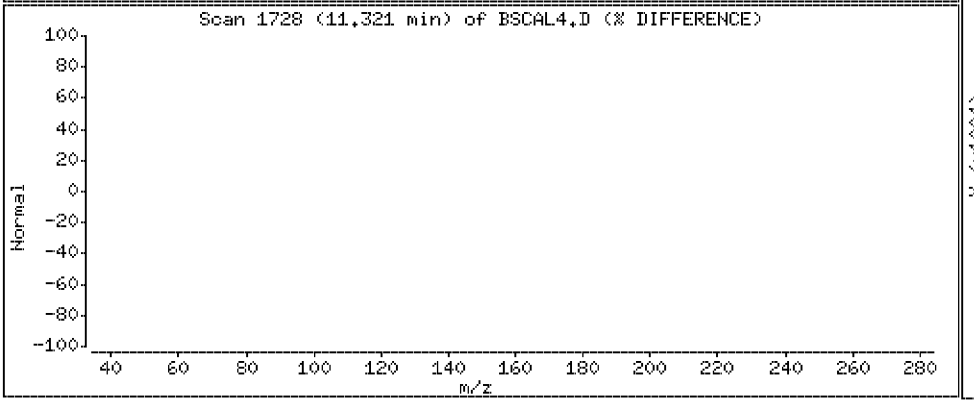
122 3,3'-Dichlorobenzidine

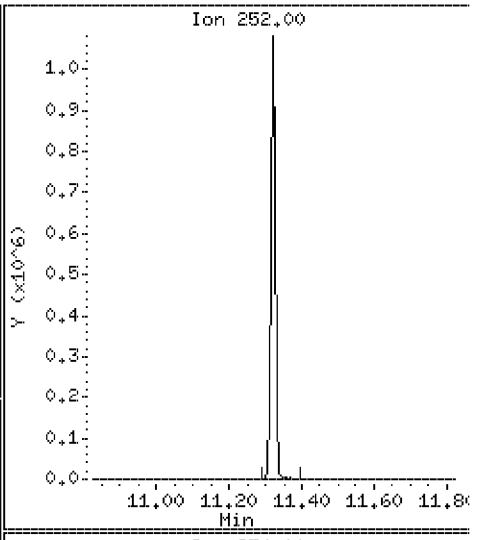
Concentration: 47.9 ug/l

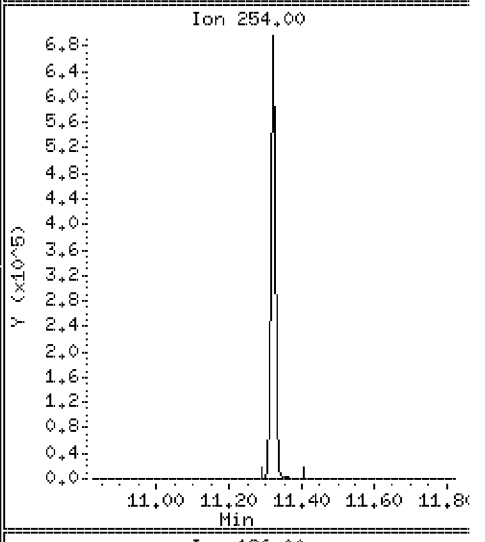


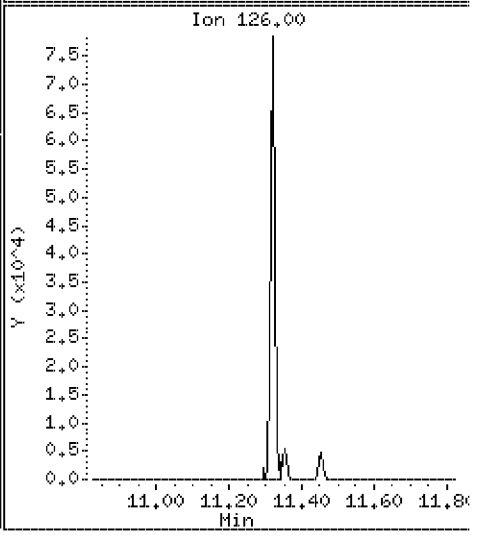












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D
Lab Smp Id: 45937 Client Smp ID: BSCAL3
Inj Date : 23-APR-2012 15:31 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45937
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 15:07 Cal File: BSCAL4.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

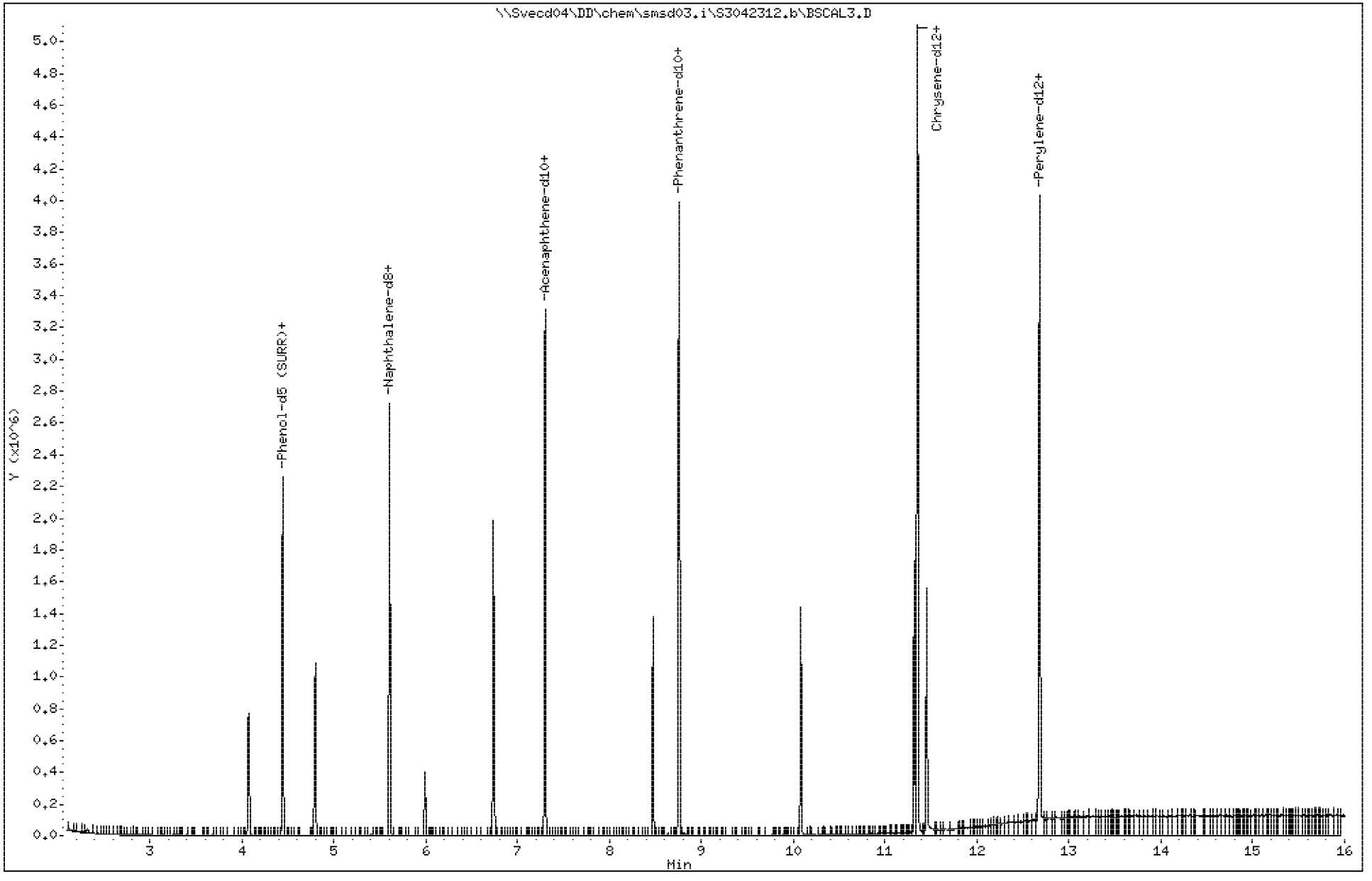
Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.076	4.161 (0.917)	77	180533	20.0000		19.5	70.00- 130.00	100.00
4.076	4.161 (0.917)	106	135477				0.00- 30.92	75.04
4.075	4.161 (0.916)	51	63408				231.65- 291.65	35.12
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.447	4.448 (1.000)	152	303951	40.0000			80.00- 120.00	100.00
4.446	4.448 (1.000)	115	185770				32.20- 92.20	61.12
4.447	4.448 (1.000)	150	446834				139.77- 199.77	147.01
25 Acetophenone							CAS #: 98-86-2	
4.798	4.807 (0.856)	105	285261	20.0000		19.5	70.00- 130.00	100.00
4.798	4.807 (0.856)	77	284319				4410.01-4470.01	99.67
4.798	4.807 (0.856)	51	70612				1262.06-1322.06	24.75
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.607	5.610 (1.000)	136	986683	40.0000			80.00- 120.00	100.00
5.606	5.610 (1.000)	68	53451				0.00- 35.51	5.42
50 Caprolactam							CAS #: 105-60-2	
5.992	6.158 (1.069)	55	49950	20.0000		19.6	70.00- 130.00	100.00
5.992	6.158 (1.069)	113	51961				106.52- 166.52	104.03

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
5.993	6.158	(1.069)	85	39145			55.05- 115.05	78.37
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.738	6.642	(0.923)	154	523240	20.0000	19.3	70.00- 130.00	100.00
6.737	6.642	(0.923)	76	63487			1762.39-1822.39	12.13
6.736	6.642	(0.922)	51	32299			1618.22-1678.22	6.17
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	680459	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	665448			64.73- 124.73	97.79
7.303	7.305	(1.000)	160	304312			12.46- 72.46	44.72
	95 Atrazine					CAS #: 1912-24-9		
8.476	8.479	(0.968)	200	170987	20.0000	19.1	80.00- 120.00	100.00
8.475	8.479	(0.968)	58	36850			0.00- 52.18	21.55
8.476	8.479	(0.968)	215	89387			22.24- 82.24	52.28
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1333253	40.0000		80.00- 120.00	100.00
8.758	8.761	(1.000)	94	83805			0.00- 36.35	6.29
8.758	8.761	(1.000)	80	101996			0.00- 37.82	7.65
	110 Benzidine					CAS #: 92-87-5		
10.082	10.322	(0.888)	184	495866	20.0000	21.4	70.00- 130.00	100.00
10.081	10.322	(0.888)	92	22734			36.43- 96.43	4.58
10.082	10.322	(0.888)	185	73868			0.00- 47.46	14.90
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.319	11.321	(0.997)	252	383072	20.0000	18.9	80.00- 120.00	100.00
11.319	11.321	(0.997)	254	236654			34.83- 94.83	61.78
11.318	11.321	(0.997)	126	26827			0.00- 37.08	7.00
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.355	11.359	(1.000)	240	1724941	40.0000		80.00- 120.00	100.00
11.354	11.359	(1.000)	120	90604			0.00- 36.38	5.25
11.355	11.359	(1.000)	236	461313			0.00- 57.06	26.74
*	130 Perylene-d12					CAS #: 1520-96-3		
12.681	12.682	(1.000)	264	1731071	40.0000		80.00- 120.00	100.00
12.681	12.682	(1.000)	260	440060			0.00- 54.80	25.42
12.681	12.682	(1.000)	265	409387			0.00- 53.39	23.65

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D
Date : 23-APR-2012 15:31
Client ID: BSCAL3
Instrument: smsd03.i
Sample Info: 45937
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1573



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Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

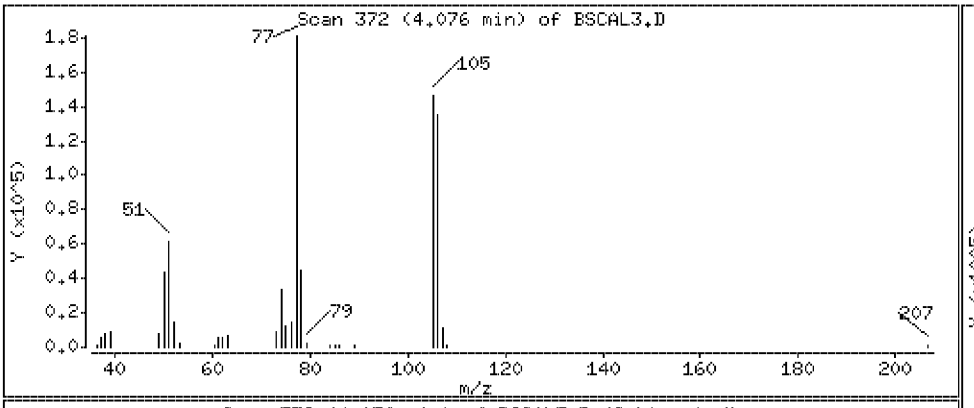
Operator: PEL

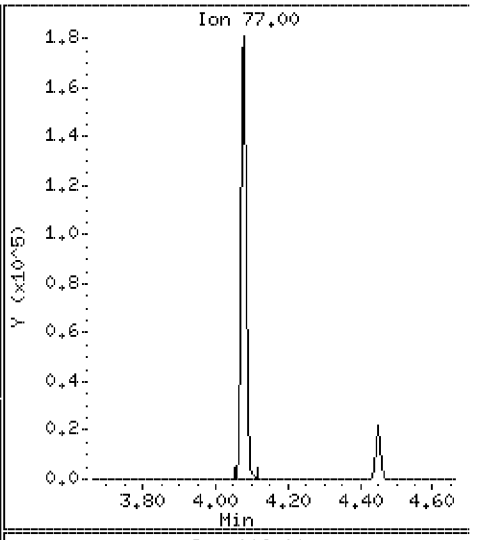
Column phase: HPMS-5

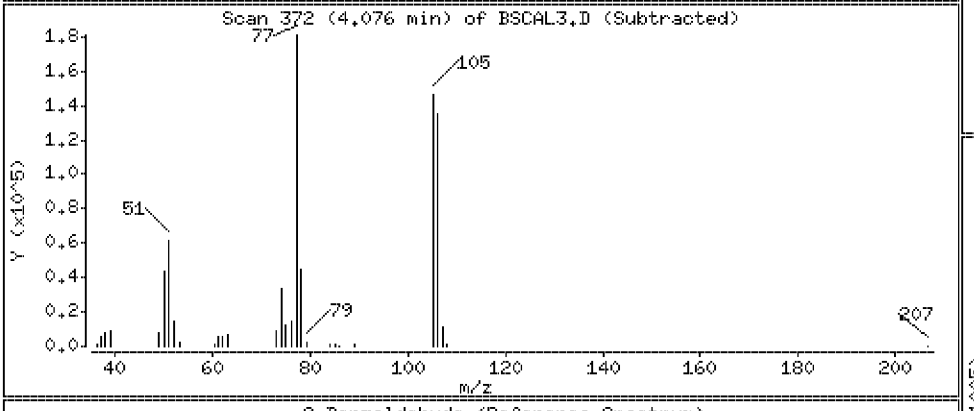
Column diameter: 0.25

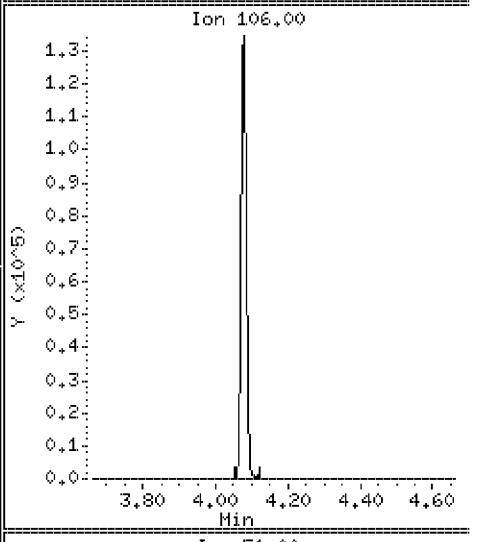
9 Benzaldehyde

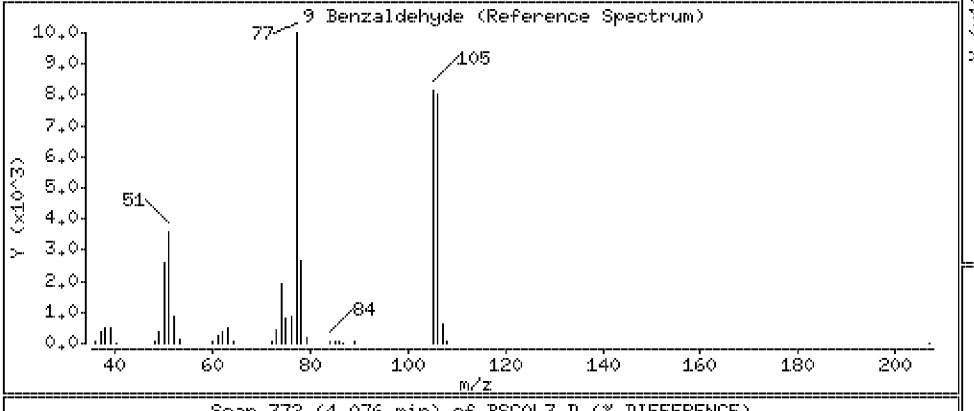
Concentration: 19.5 ug/l

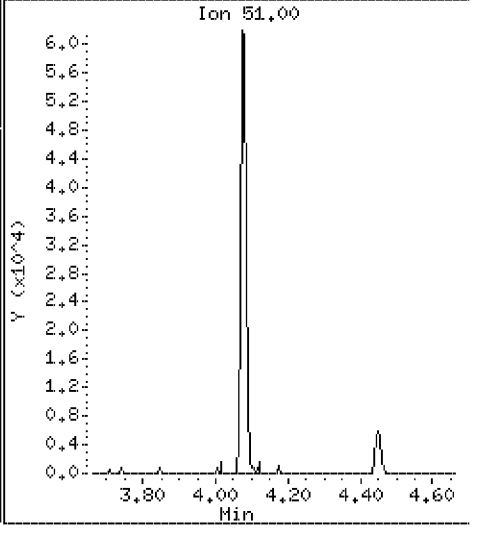


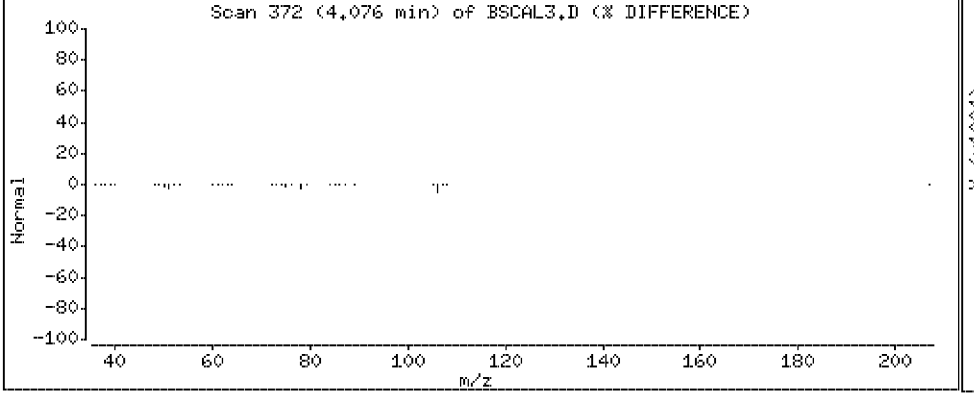












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Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

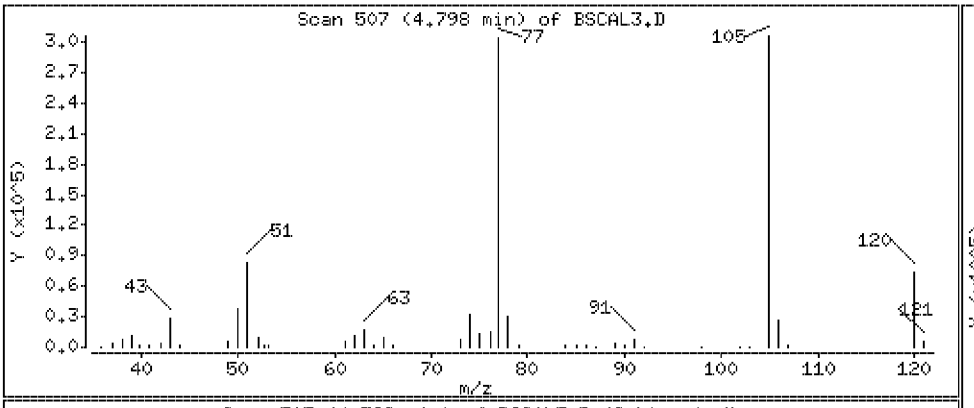
Operator: PEL

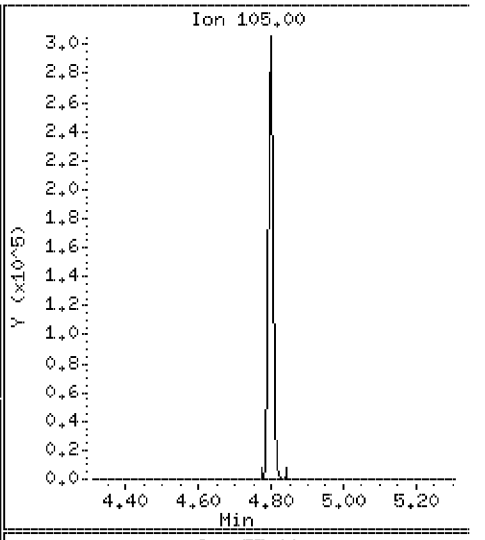
Column phase: HPMS-5

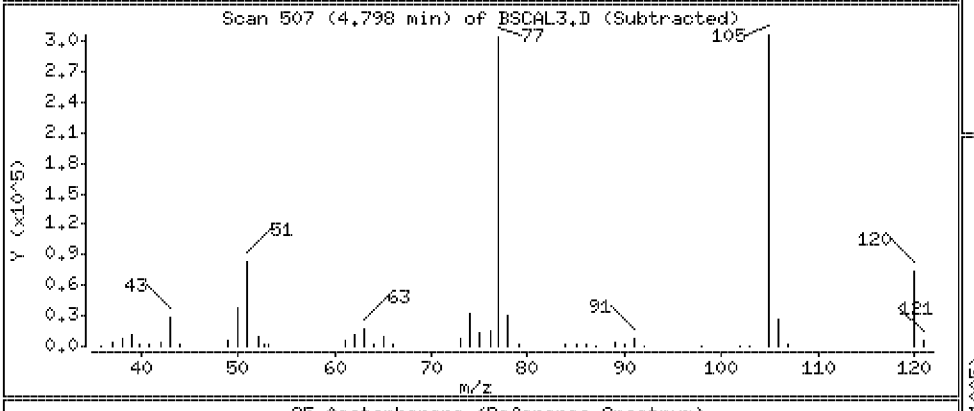
Column diameter: 0.25

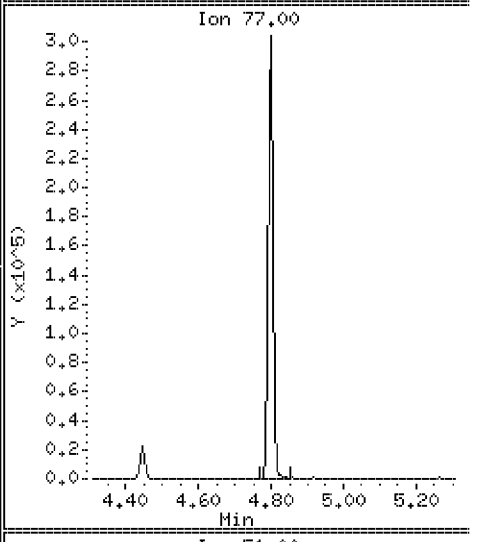
25 Acetophenone

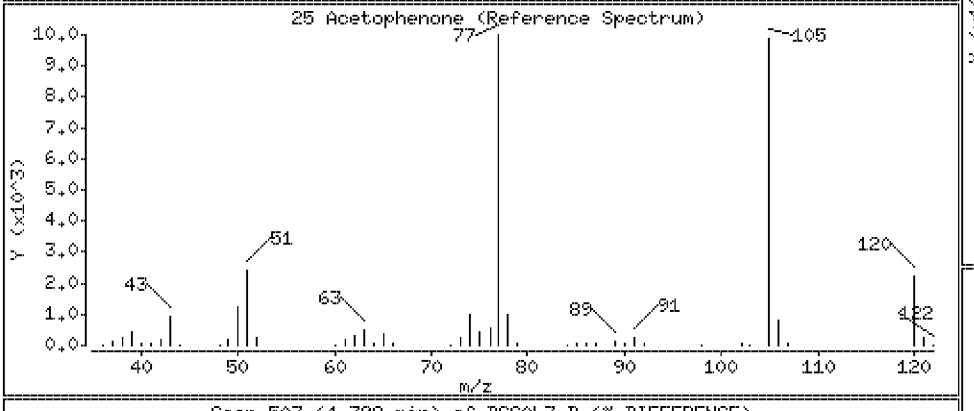
Concentration: 19.5 ug/l

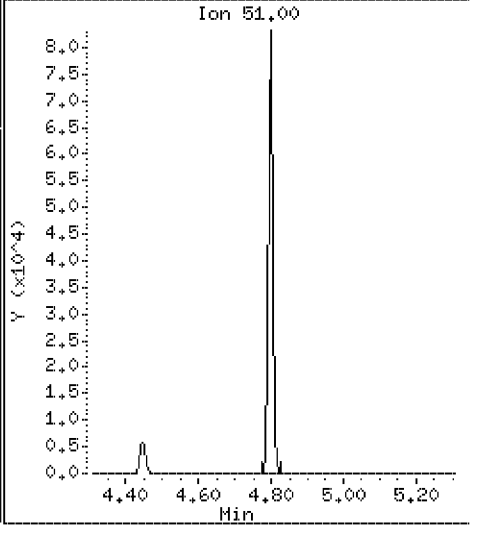


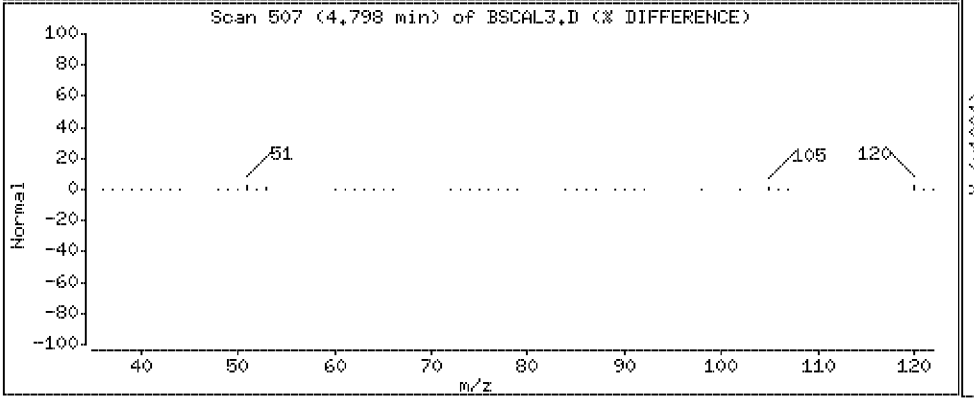












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D

Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

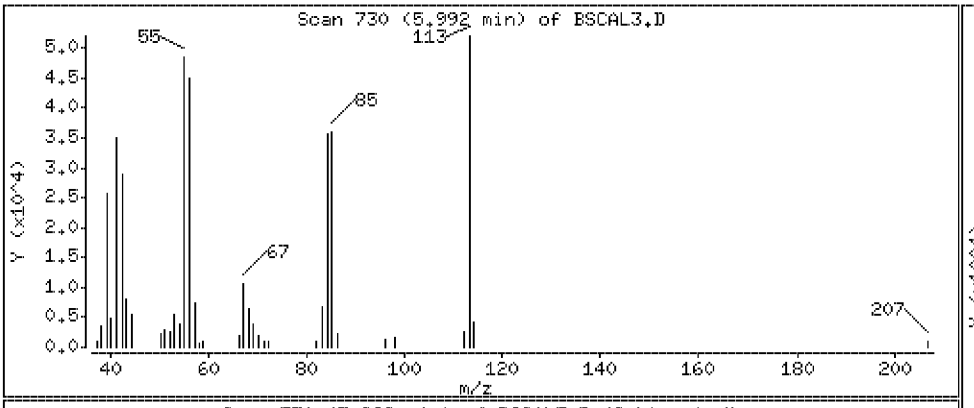
Operator: PEL

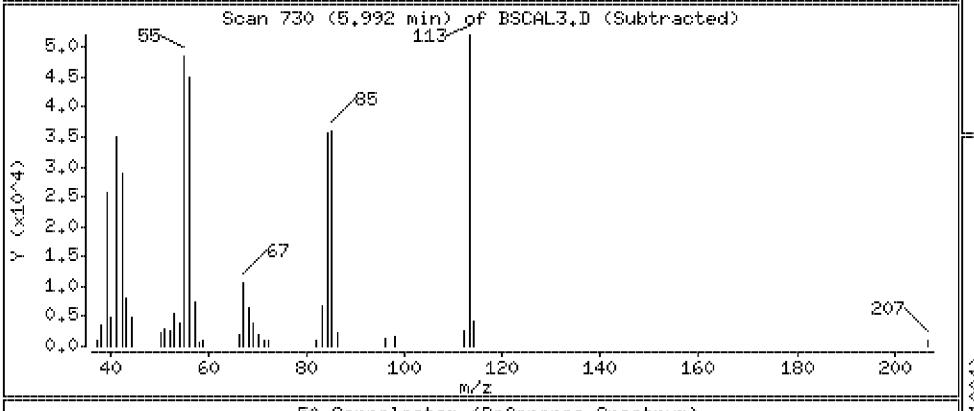
Column phase: HPMS-5

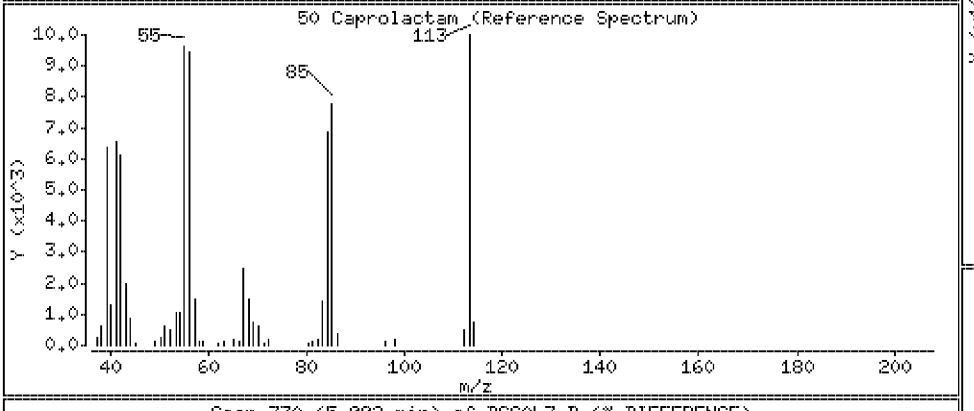
Column diameter: 0.25

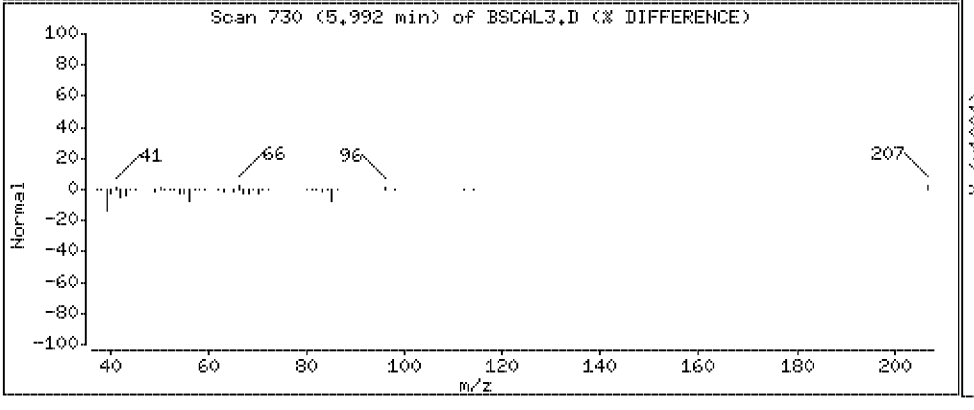
50 Caprolactam

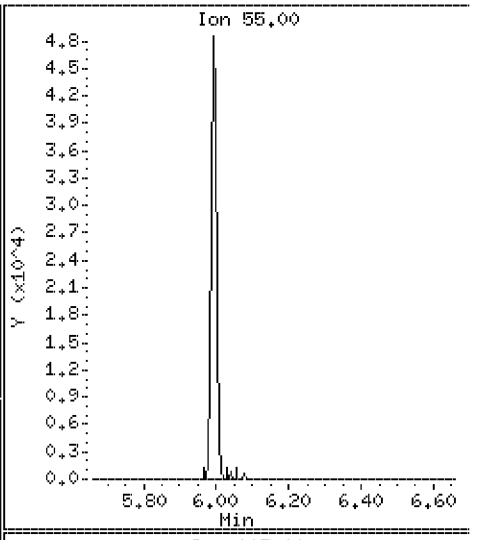
Concentration: 19.6 ug/l

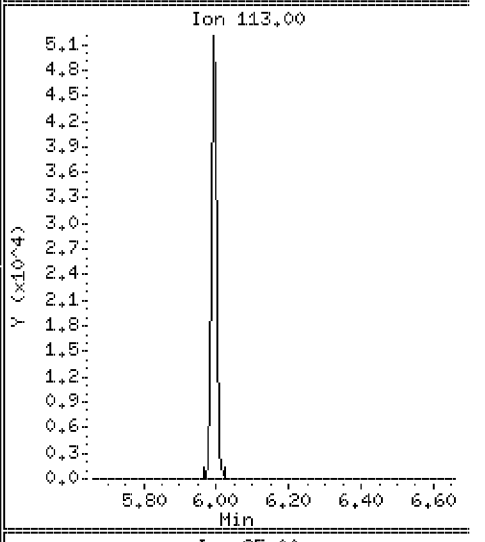


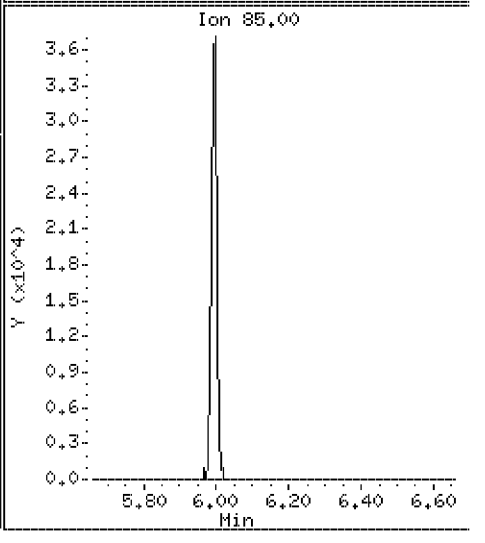












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D

Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

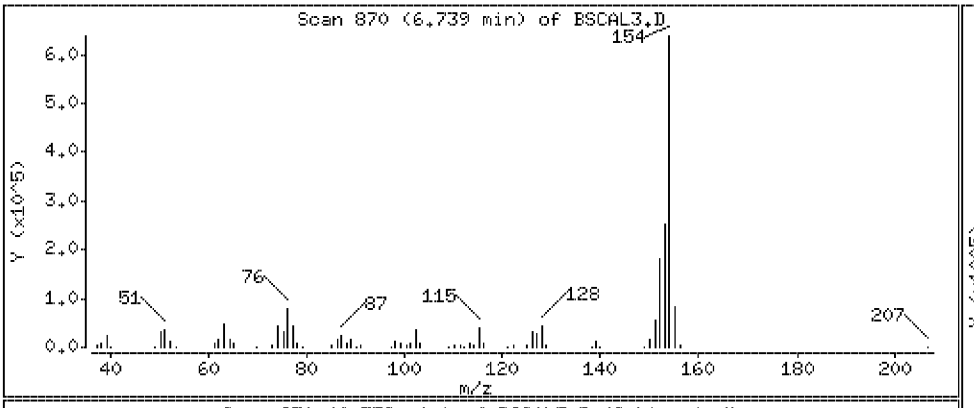
Operator: PEL

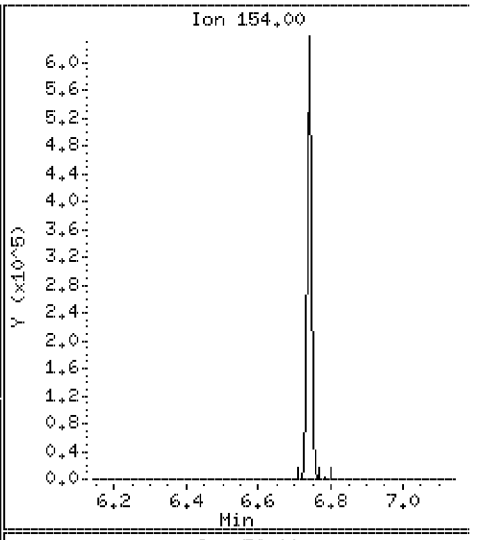
Column phase: HPMS-5

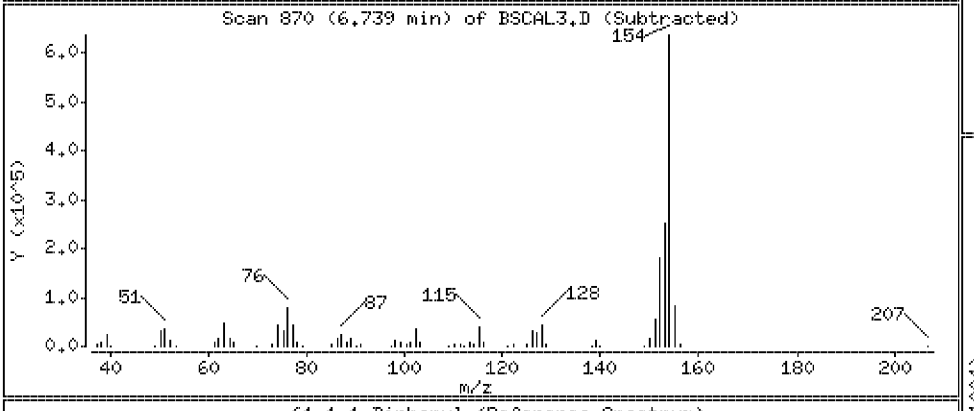
Column diameter: 0.25

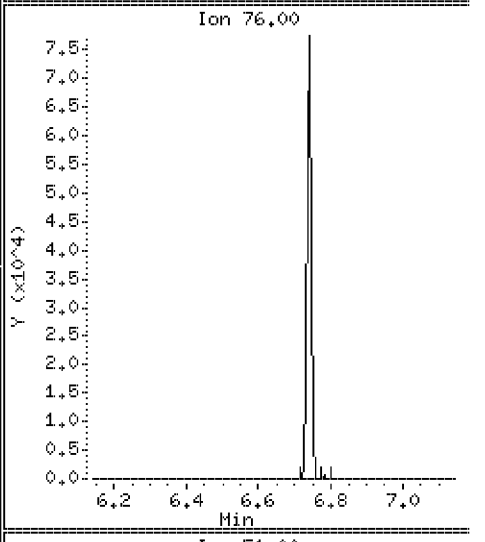
61 1,1-Biphenyl

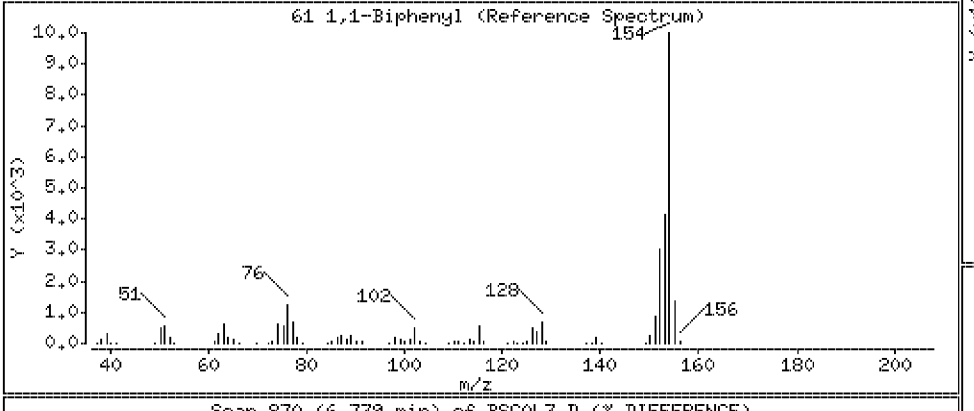
Concentration: 19.3 ug/l

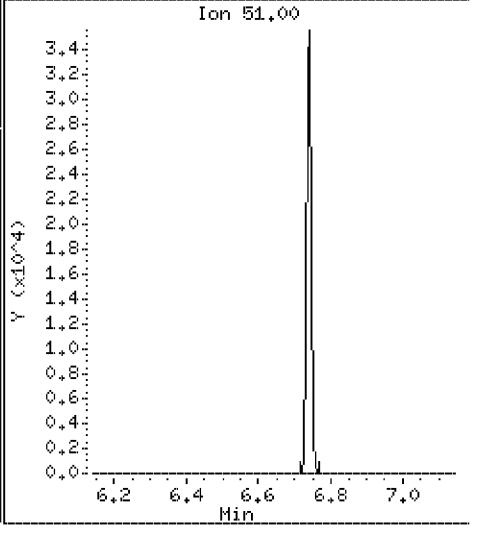


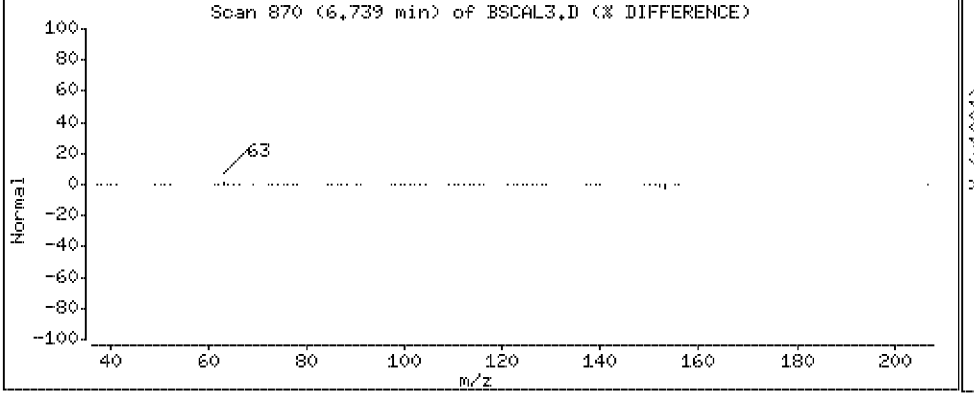












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D

Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

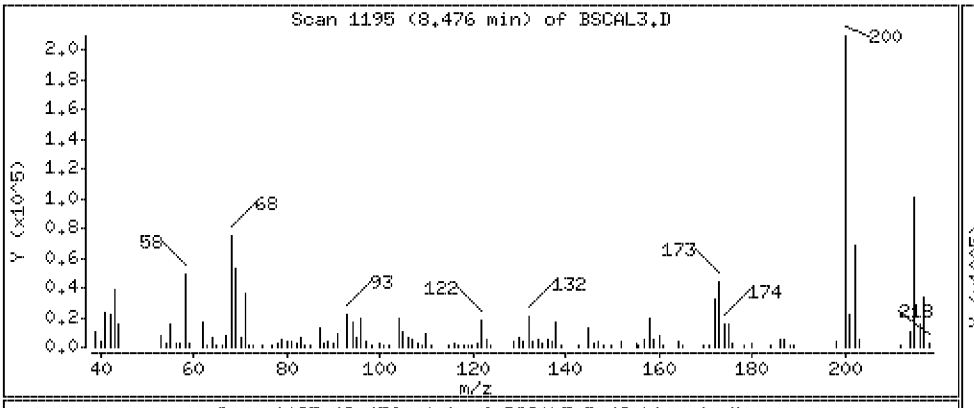
Operator: PEL

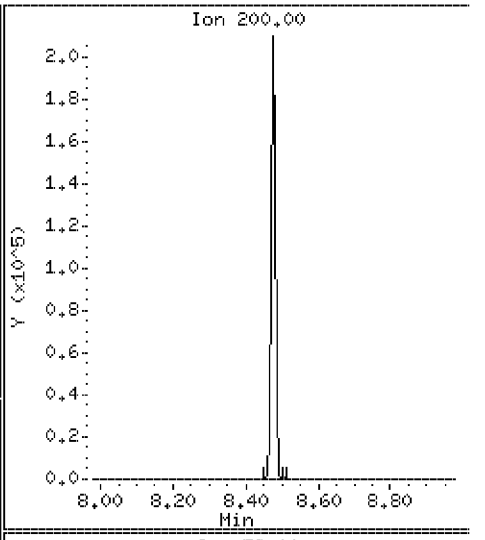
Column phase: HPMS-5

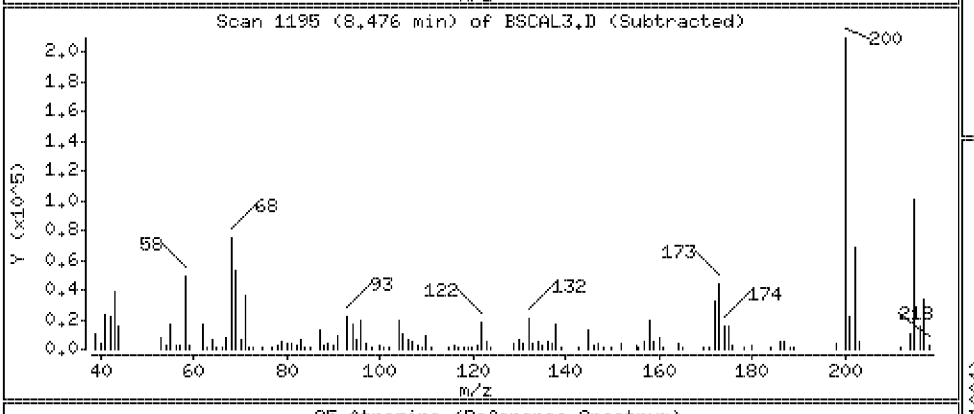
Column diameter: 0.25

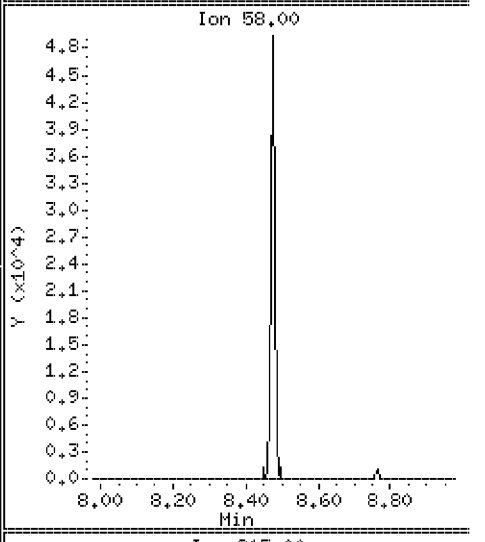
95 Atrazine

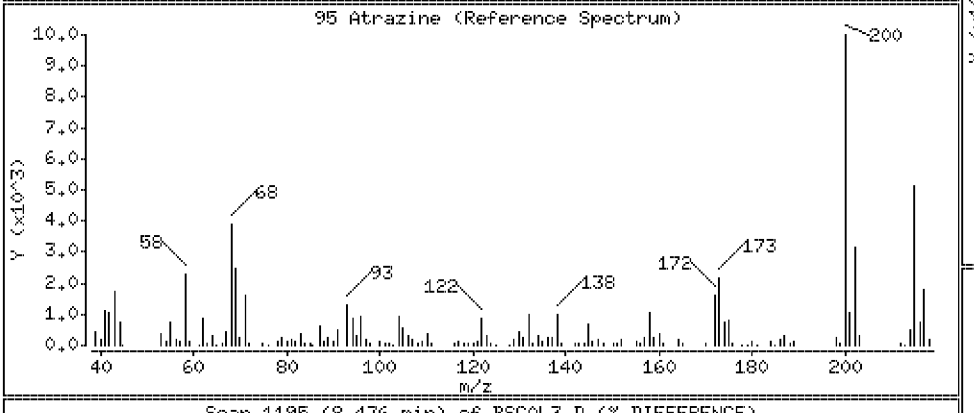
Concentration: 19.1 ug/l

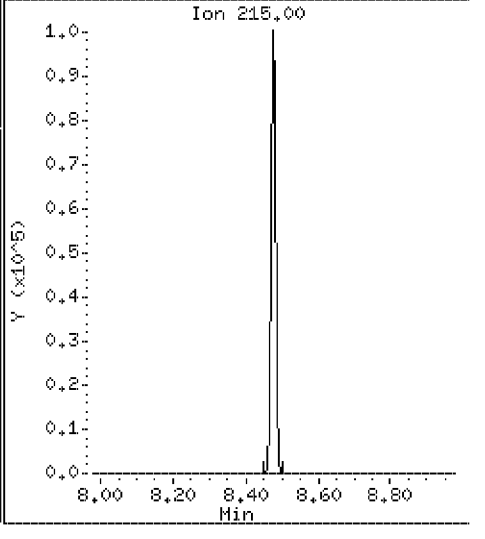


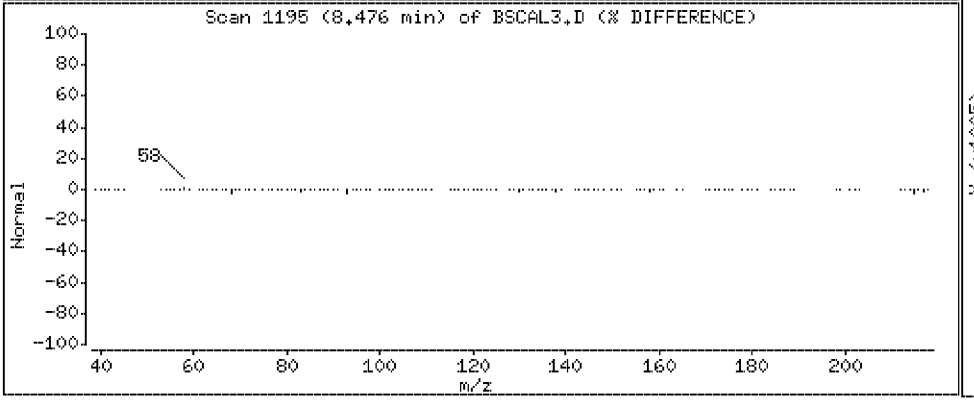












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Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

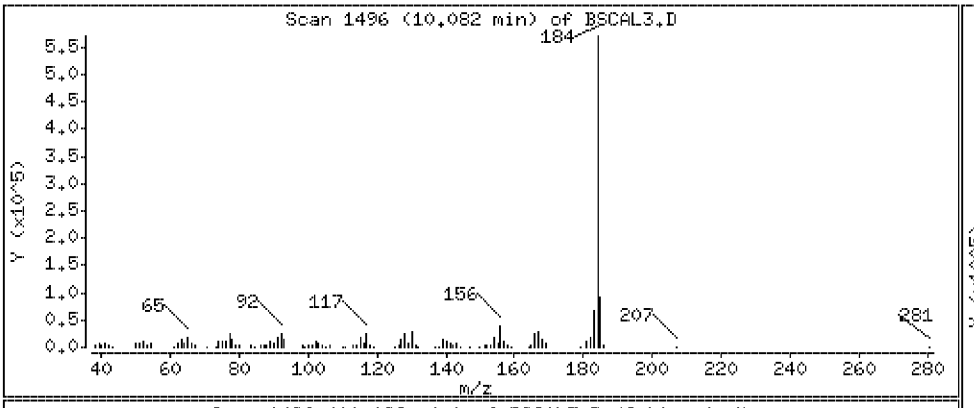
Operator: PEL

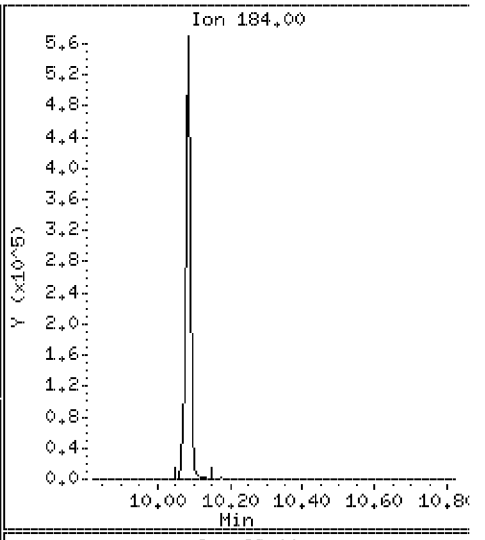
Column phase: HPMS-5

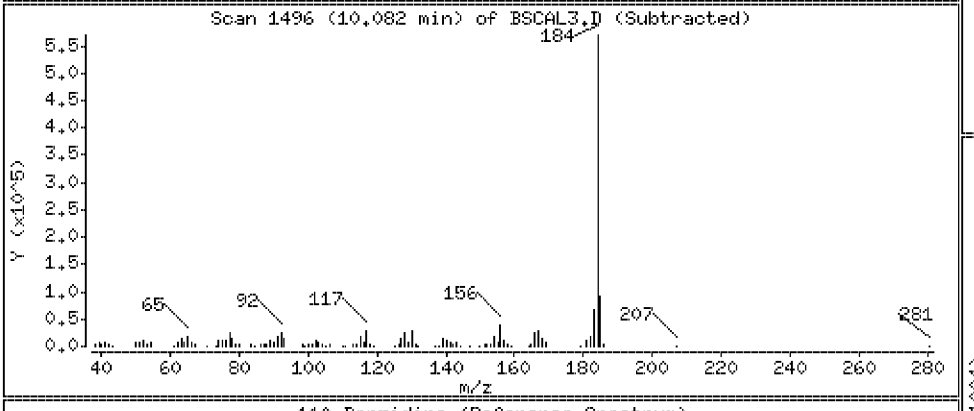
Column diameter: 0.25

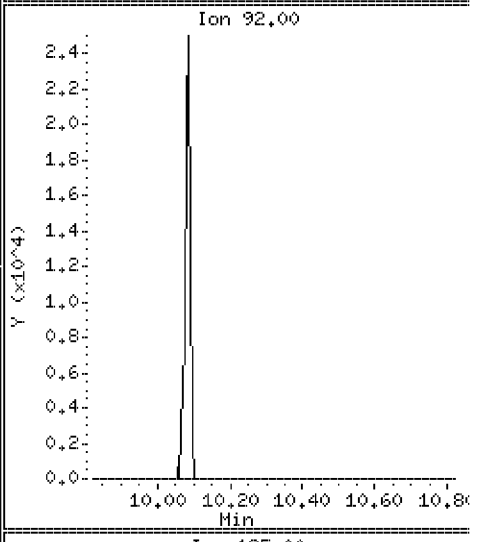
110 Benzidine

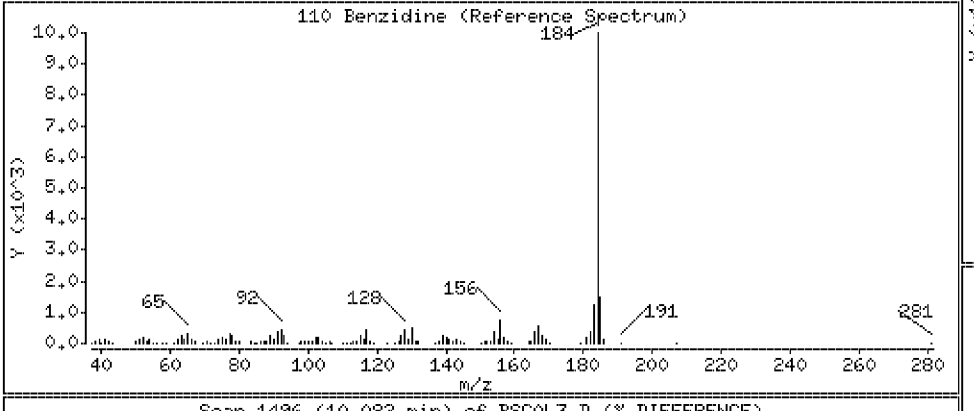
Concentration: 21.4 ug/l

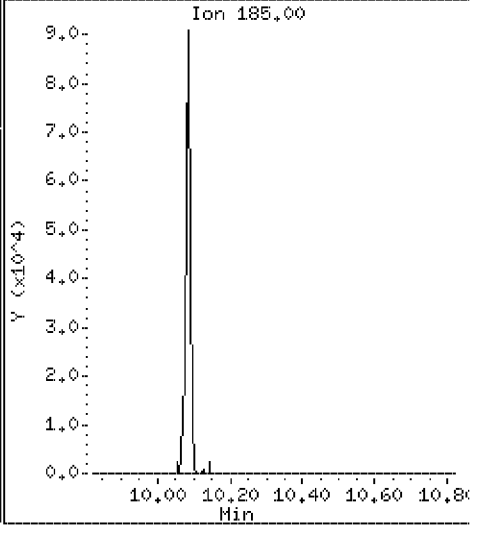


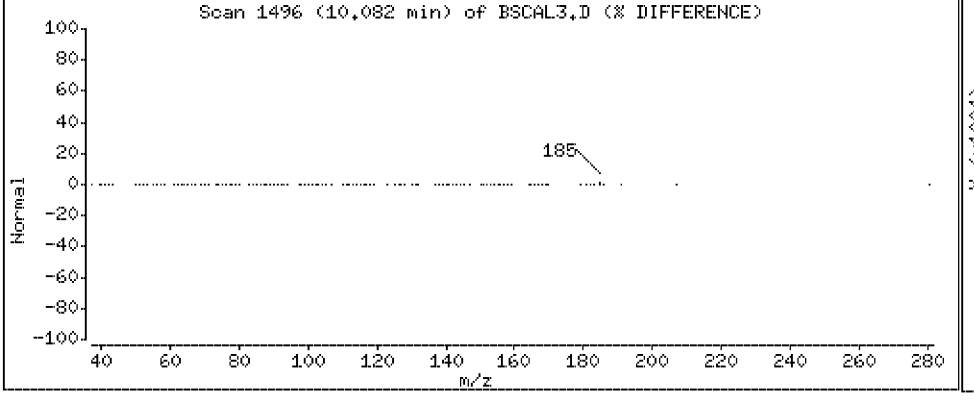












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL3.D

Date : 23-APR-2012 15:31

Client ID: BSCAL3

Instrument: smsd03.i

Sample Info: 45937

Purge Volume: 1000.0

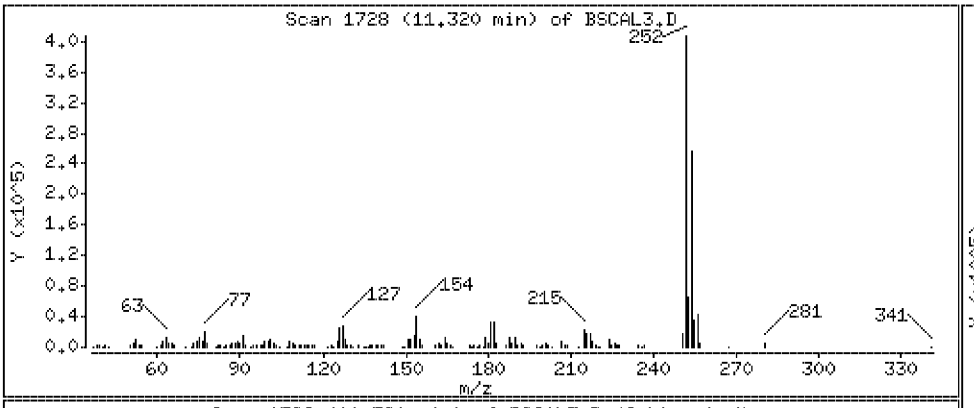
Operator: PEL

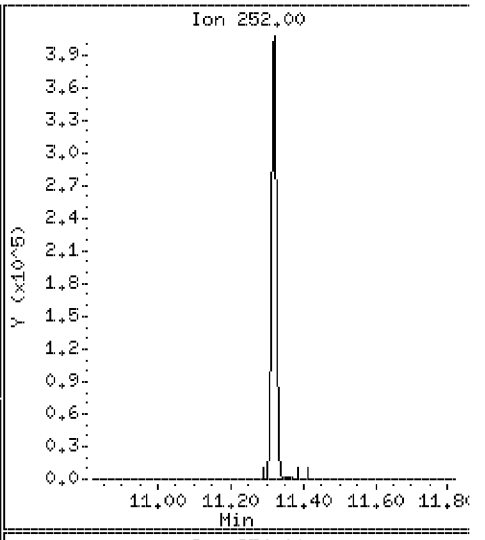
Column phase: HPMS-5

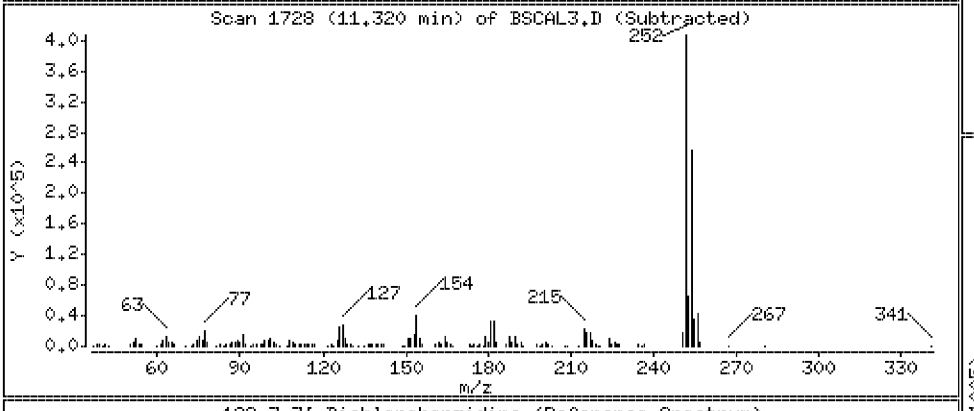
Column diameter: 0.25

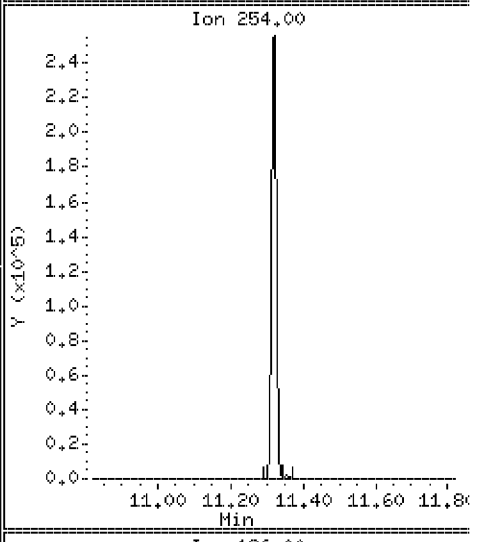
122 3,3'-Dichlorobenzidine

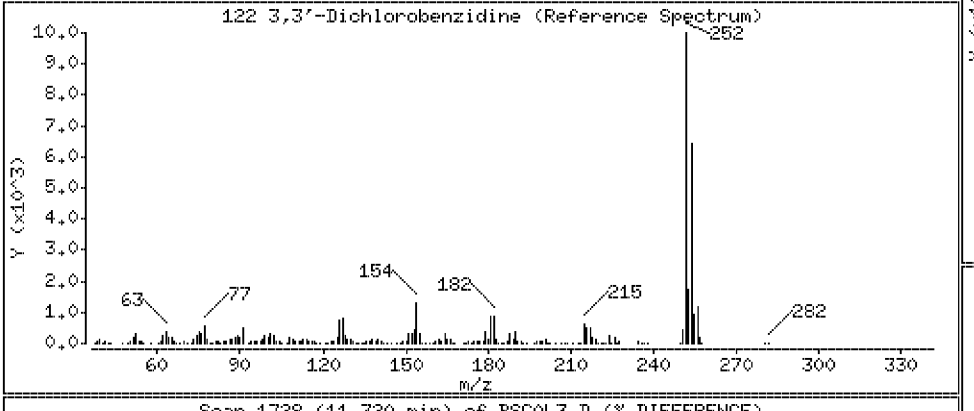
Concentration: 18.9 ug/l

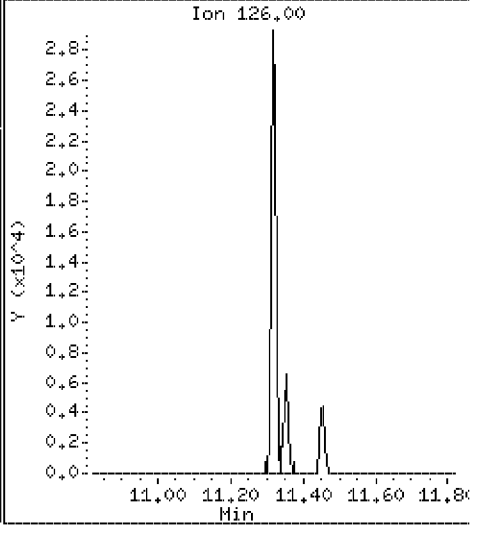


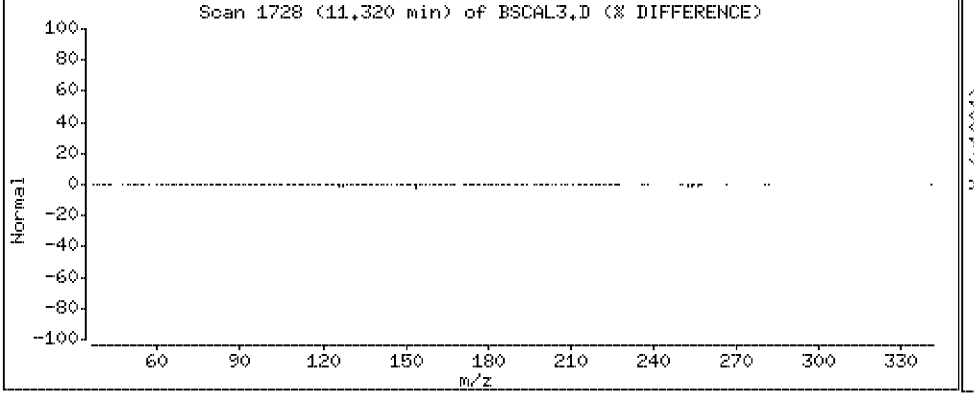












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D
Lab Smp Id: 45938 Client Smp ID: BSCAL2
Inj Date : 23-APR-2012 15:55 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45938
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 15:07 Cal File: BSCAL4.D
Als bottle: 15 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

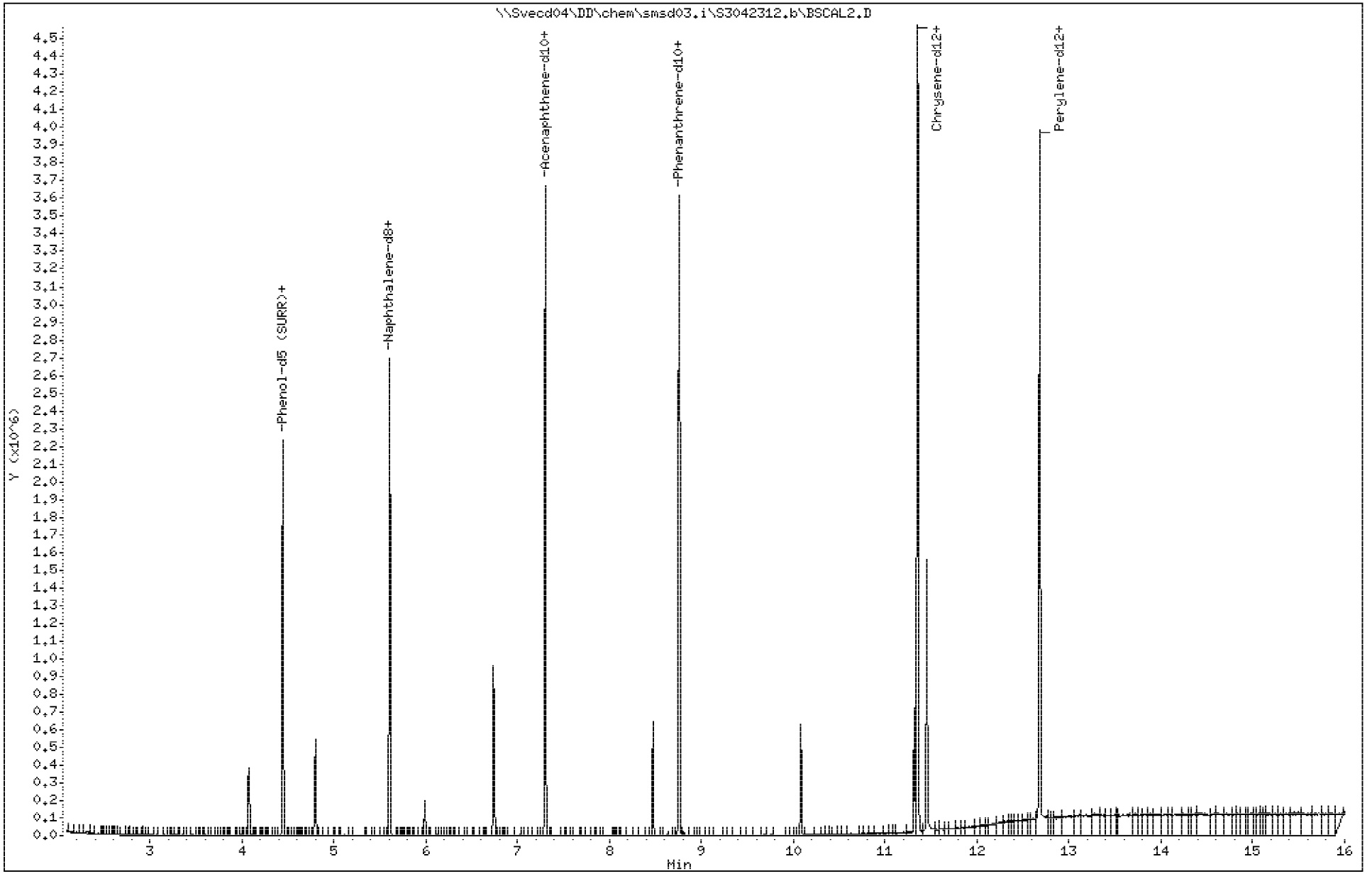
Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.076	4.161	(0.917)	77	88839	10.0000	9.5	70.00- 130.00	100.00
4.076	4.161	(0.917)	106	66196			0.00- 30.92	74.51
4.074	4.161	(0.916)	51	30042			231.65- 291.65	33.82
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	306788	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	190407			32.20- 92.20	62.06
4.446	4.448	(1.000)	150	454499			139.77- 199.77	148.15
25 Acetophenone							CAS #: 98-86-2	
4.798	4.807	(0.856)	105	138907	10.0000	9.2	70.00- 130.00	100.00
4.798	4.807	(0.856)	77	140197			4410.01-4470.01	100.93
4.797	4.807	(0.856)	51	33548			1262.06-1322.06	24.15
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.608	5.610	(1.000)	136	1003006	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	50646			0.00- 35.51	5.05
50 Caprolactam							CAS #: 105-60-2	
5.988	6.158	(1.068)	55	22721	10.0000	10.6	70.00- 130.00	100.00
5.988	6.158	(1.068)	113	23042			106.52- 166.52	101.41

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
5.989	6.158	(1.068)	85	18143			55.05- 115.05	79.85
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.738	6.642	(0.923)	154	256423	10.0000	9.3	70.00- 130.00	100.00
6.737	6.642	(0.922)	76	32697			1762.39-1822.39	12.75
6.737	6.642	(0.923)	51	18223			1618.22-1678.22	7.11
	* 70 Acenaphthene-d10					CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	692842	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	663748			64.73- 124.73	95.80
7.303	7.305	(1.000)	160	312559			12.46- 72.46	45.11
	95 Atrazine					CAS #: 1912-24-9		
8.474	8.479	(0.968)	200	80722	10.0000	9.1	80.00- 120.00	100.00
8.473	8.479	(0.967)	58	17251			0.00- 52.18	21.37
8.475	8.479	(0.968)	215	40145			22.24- 82.24	49.73
	* 100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1327096	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	82797			0.00- 36.35	6.24
8.757	8.761	(1.000)	80	98736			0.00- 37.82	7.44
	110 Benzidine					CAS #: 92-87-5		
10.080	10.322	(0.888)	184	226789	10.0000	10.1	70.00- 130.00	100.00
10.080	10.322	(0.888)	92	9745			36.43- 96.43	4.30
10.080	10.322	(0.888)	185	31473			0.00- 47.46	13.88
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.318	11.321	(0.997)	252	173061	10.0000	8.8	80.00- 120.00	100.00
11.318	11.321	(0.997)	254	105354			34.83- 94.83	60.88
11.317	11.321	(0.997)	126	11212			0.00- 37.08	6.48
	* 121 Chrysene-d12					CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1665408	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	88394			0.00- 36.38	5.31
11.354	11.359	(1.000)	236	436897			0.00- 57.06	26.23
	* 130 Perylene-d12					CAS #: 1520-96-3		
12.681	12.682	(1.000)	264	1674981	40.0000		80.00- 120.00	100.00
12.681	12.682	(1.000)	260	411216			0.00- 54.80	24.55
12.681	12.682	(1.000)	265	382038			0.00- 53.39	22.81

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D
Date : 23-APR-2012 15:55
Client ID: BSCAL2
Instrument: smsd03.i
Sample Info: 45938
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1583



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

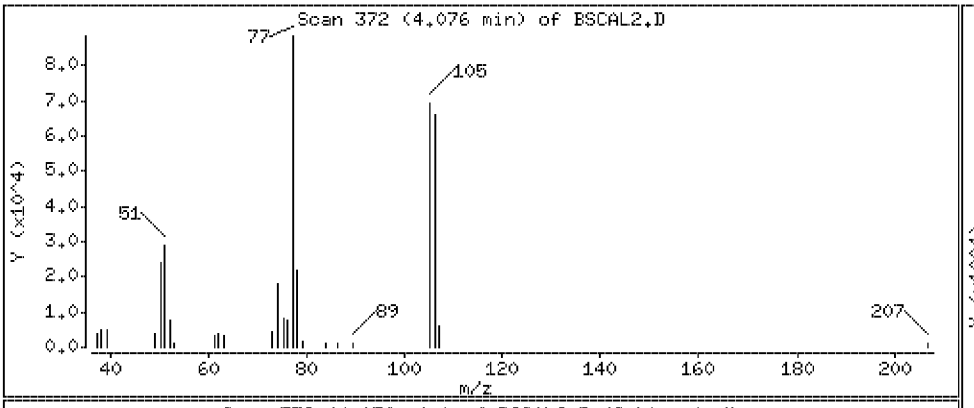
Operator: PEL

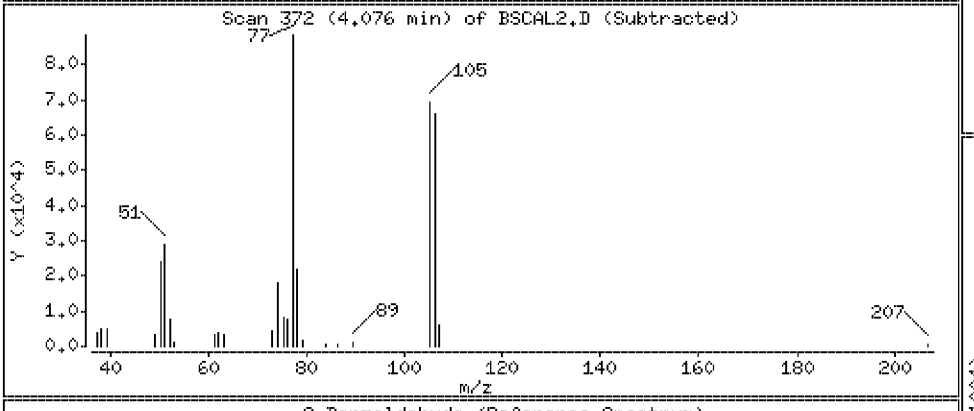
Column phase: HPMS-5

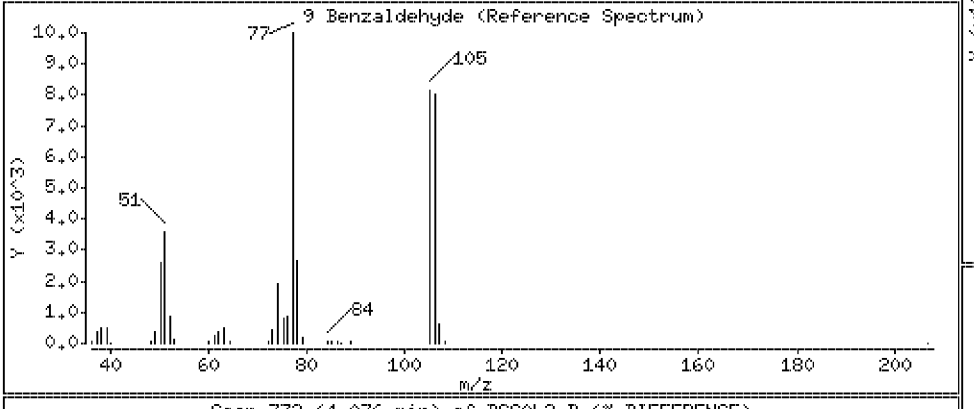
Column diameter: 0.25

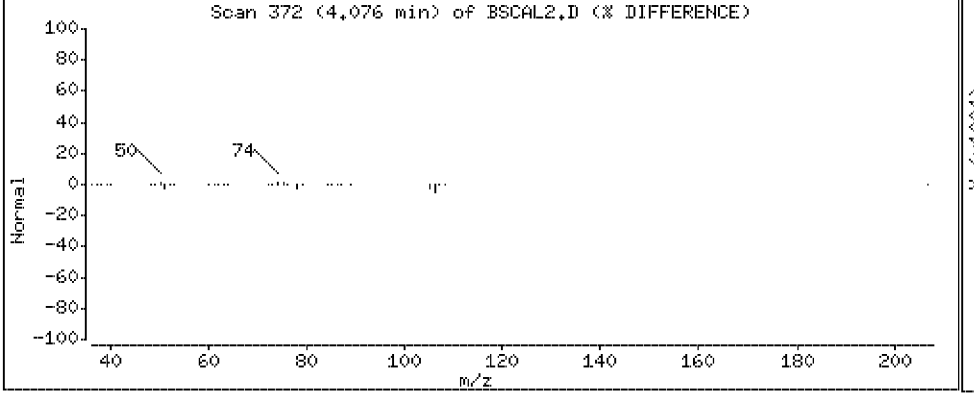
9 Benzaldehyde

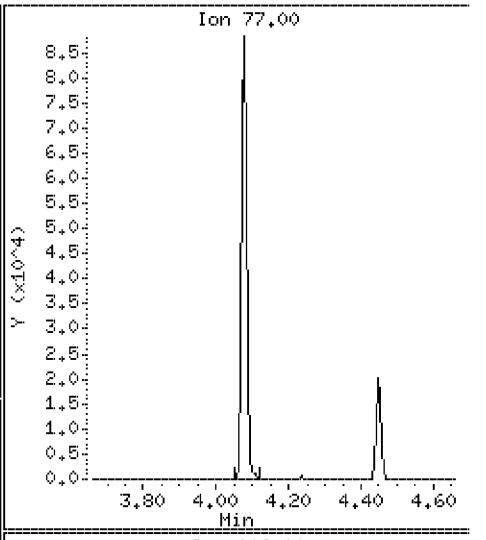
Concentration: 9.5 ug/l

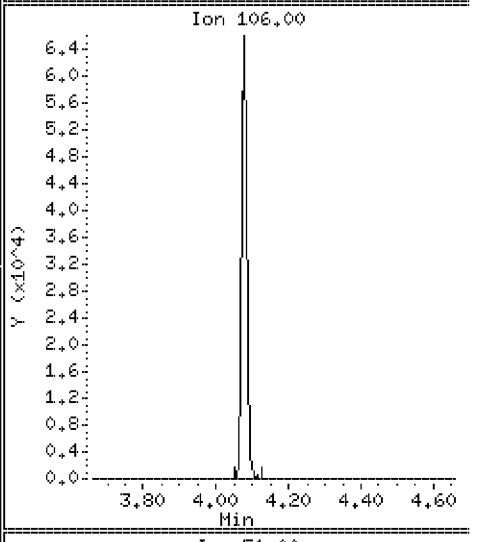


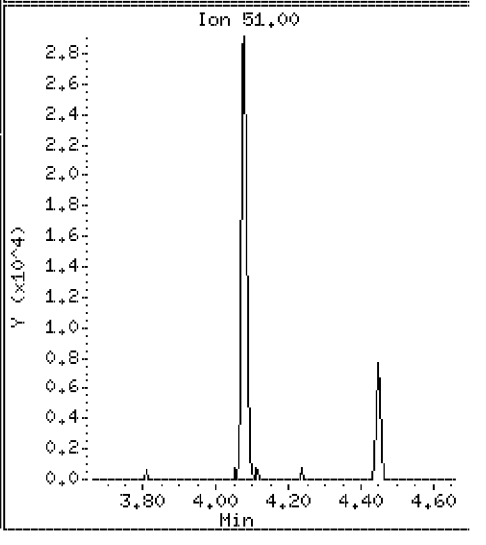












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

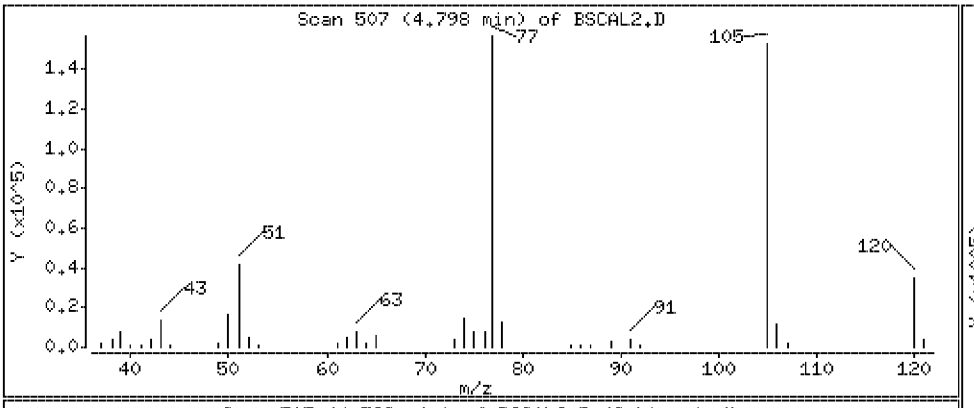
Operator: PEL

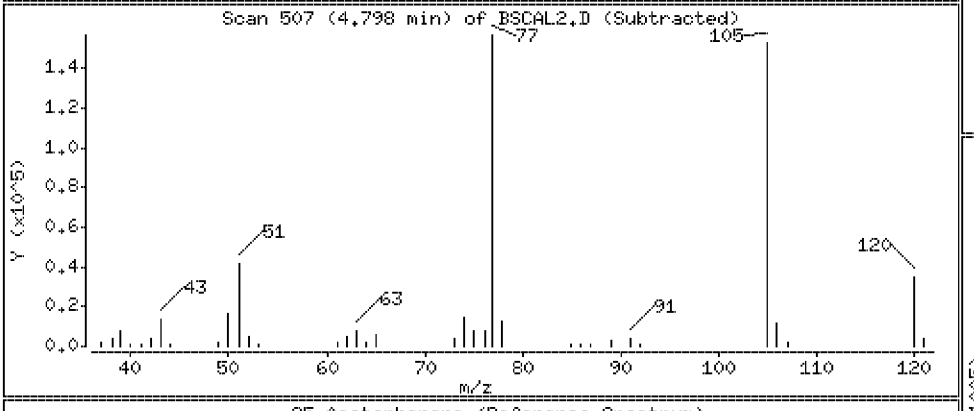
Column phase: HPMS-5

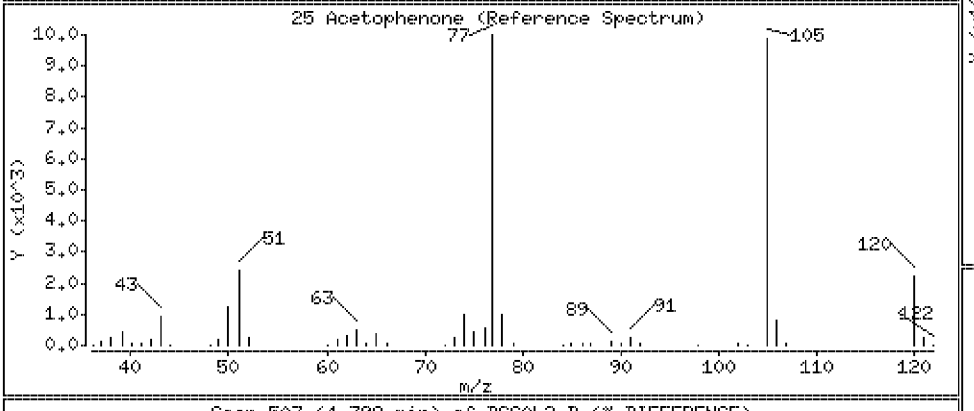
Column diameter: 0.25

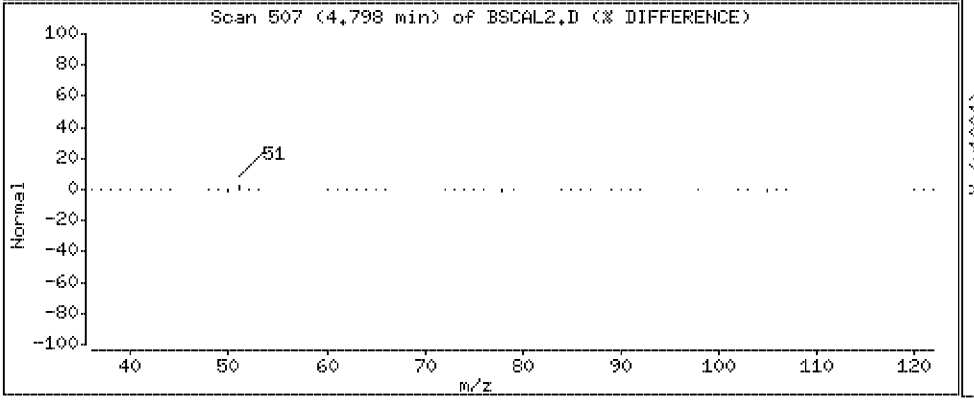
25 Acetophenone

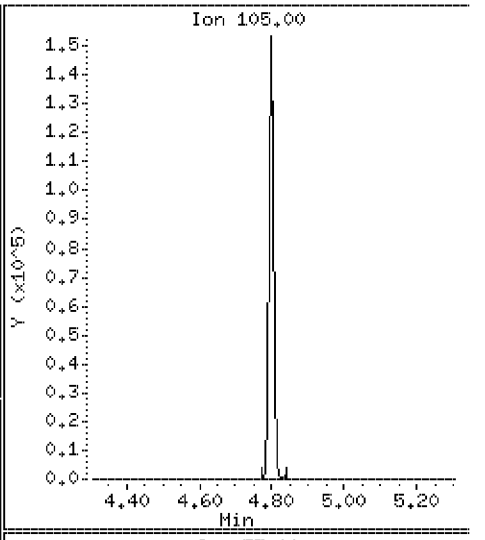
Concentration: 9.2 ug/l

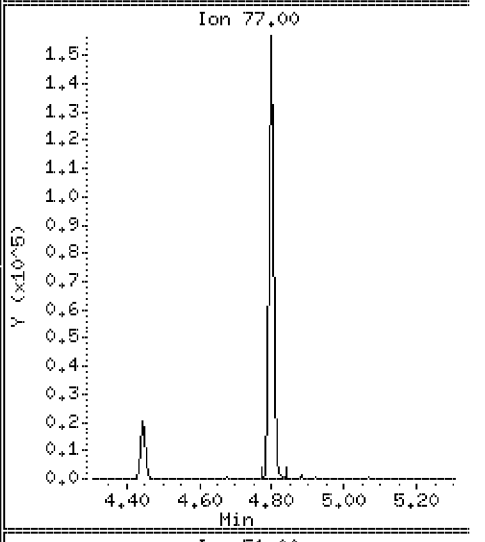


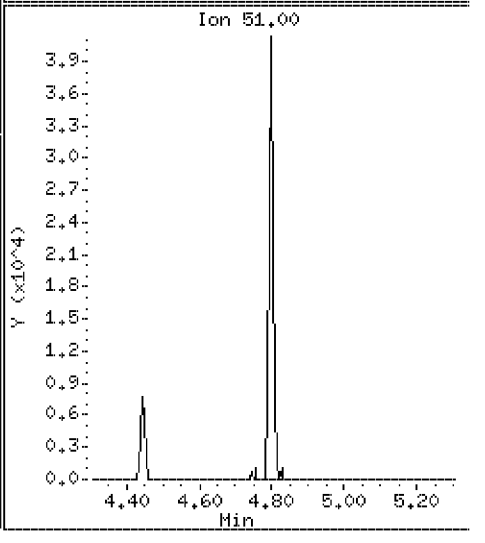












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

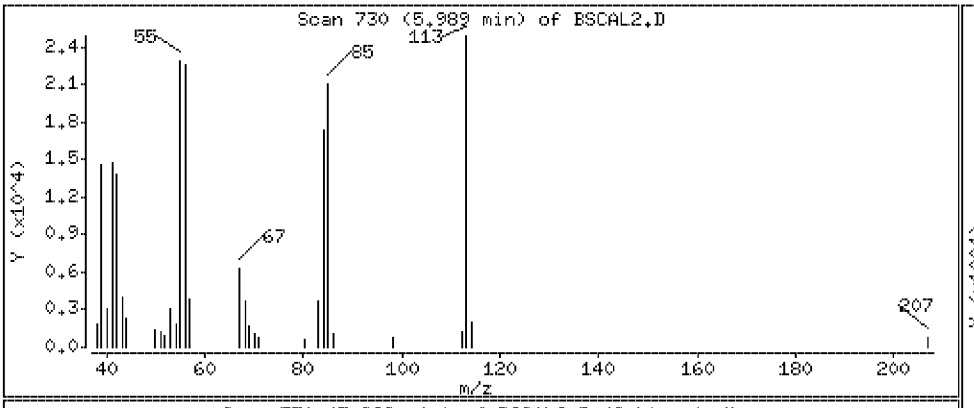
Operator: PEL

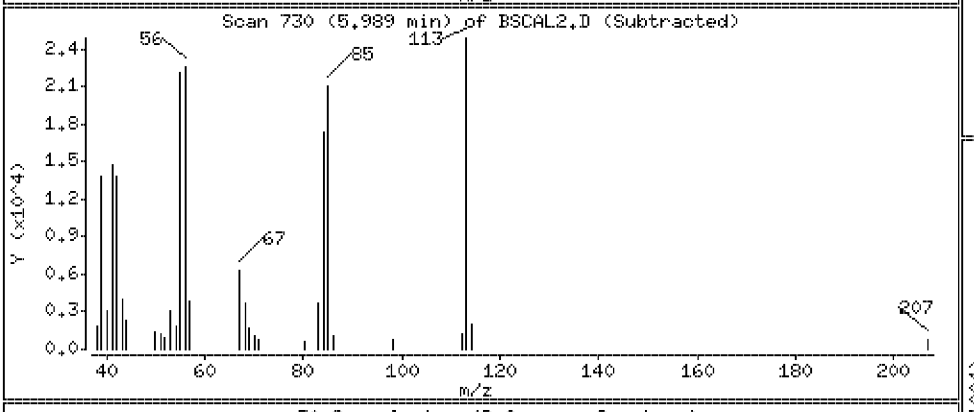
Column phase: HPMS-5

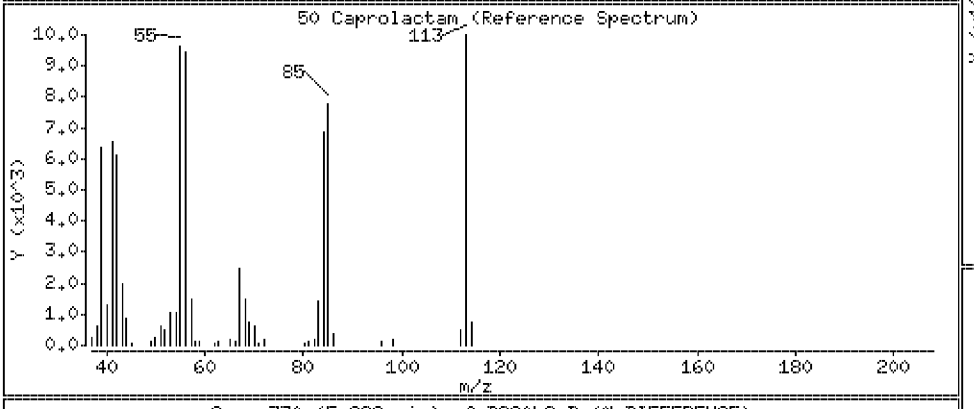
Column diameter: 0.25

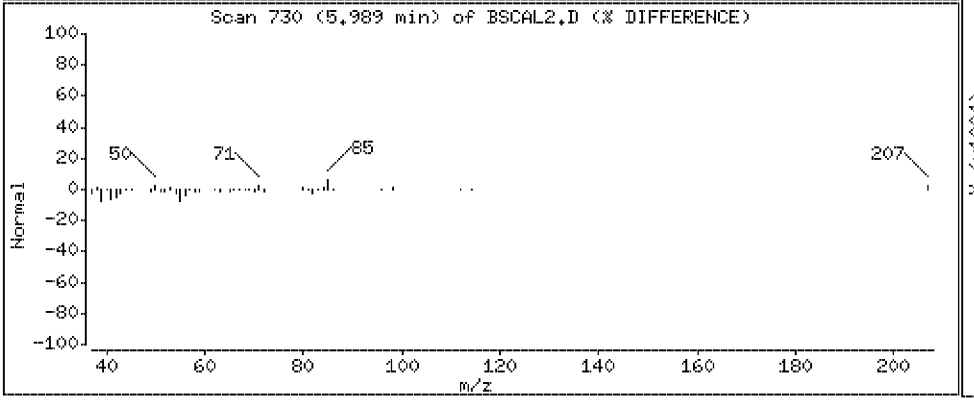
50 Caprolactam

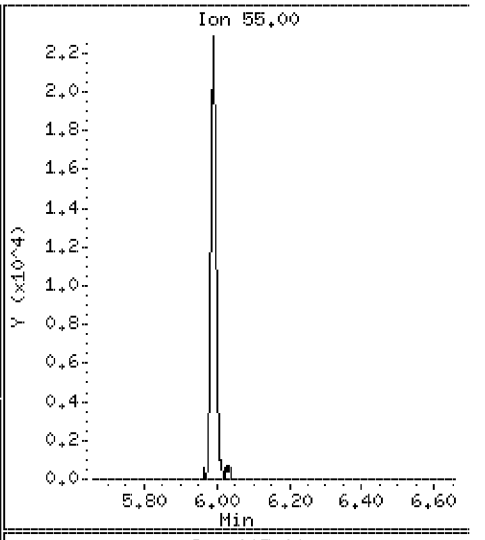
Concentration: 10.6 ug/l

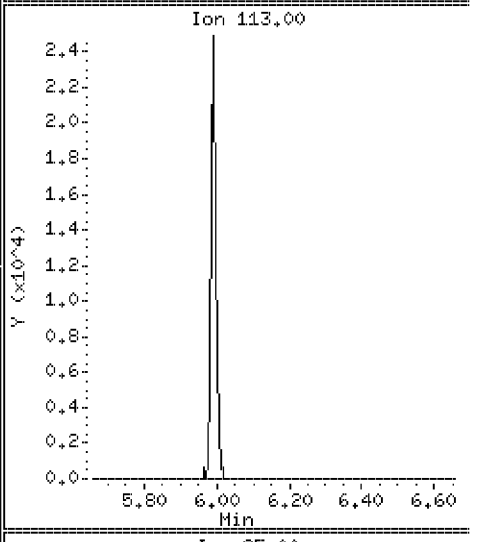


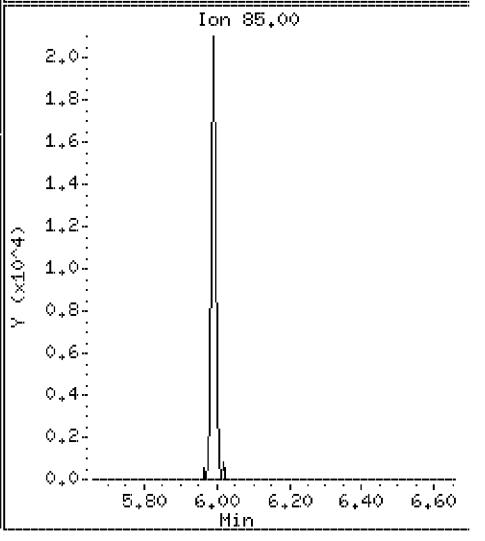












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

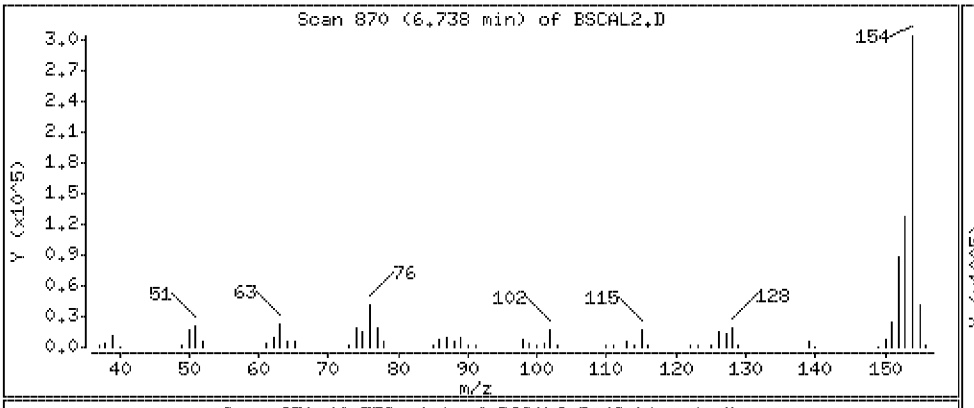
Operator: PEL

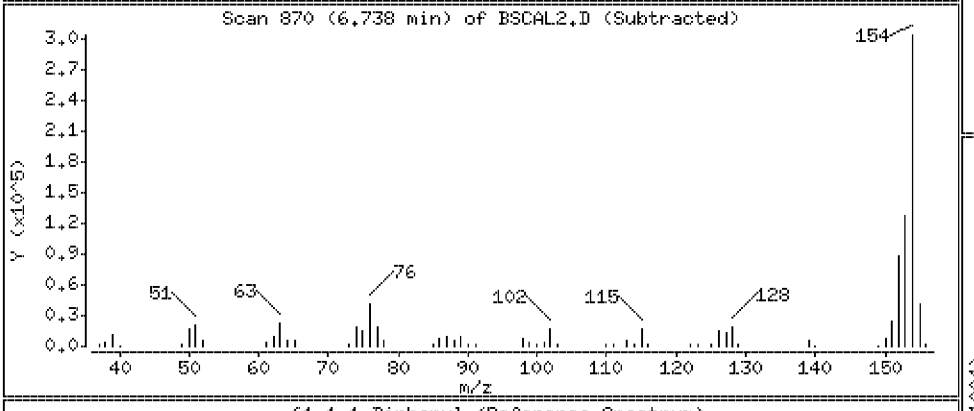
Column phase: HPMS-5

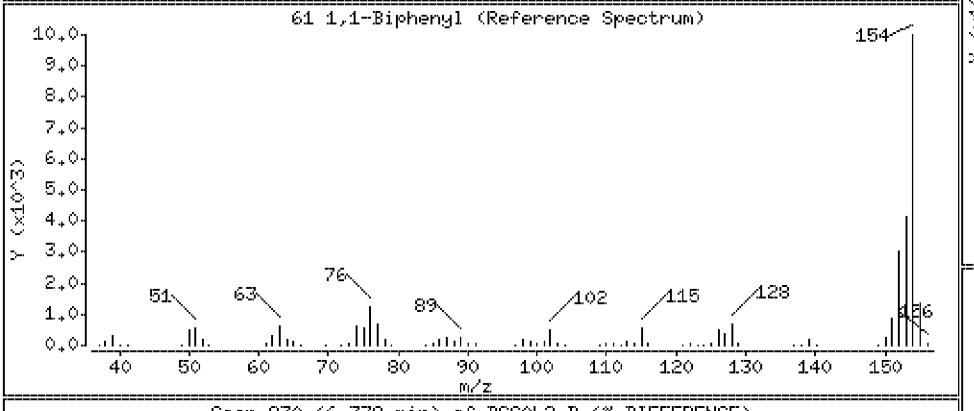
Column diameter: 0.25

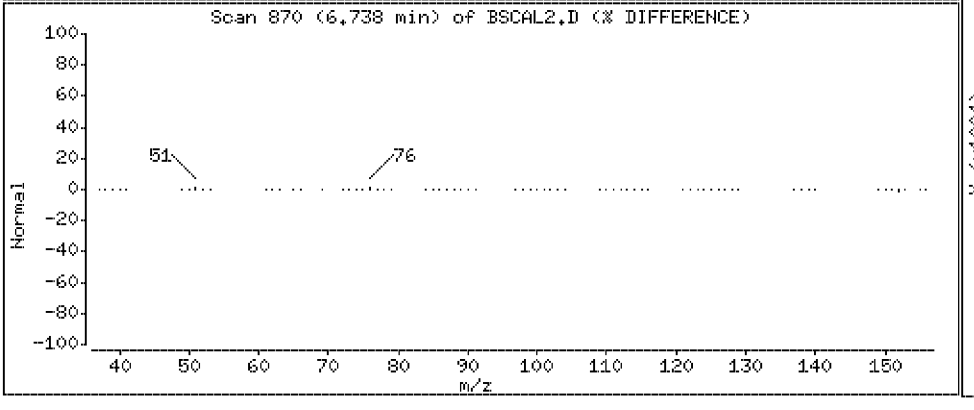
61 1,1-Biphenyl

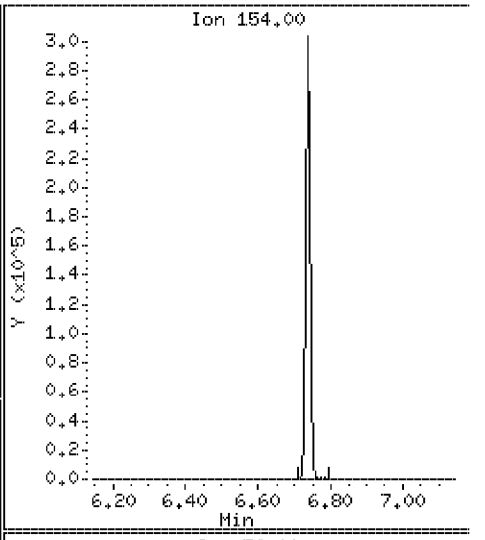
Concentration: 9.3 ug/l

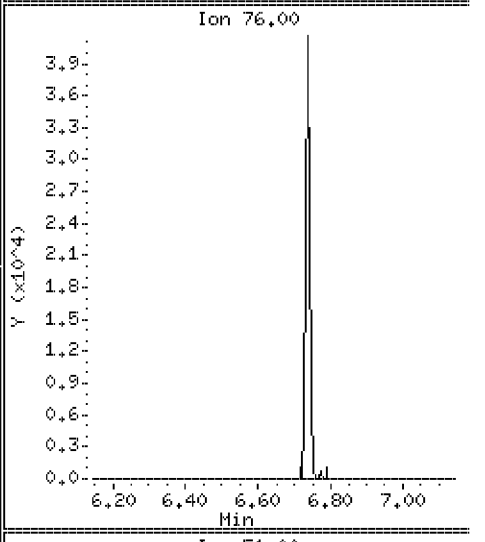


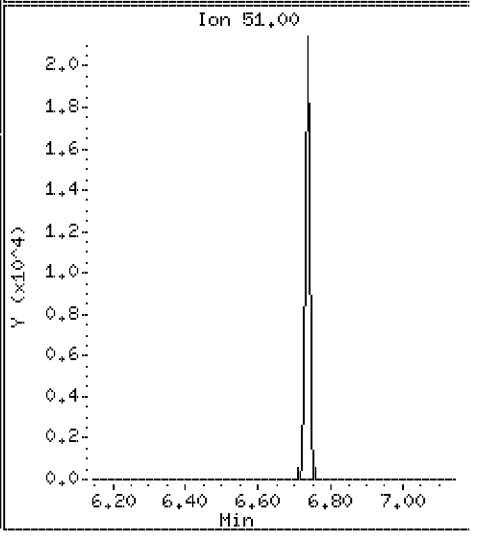












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

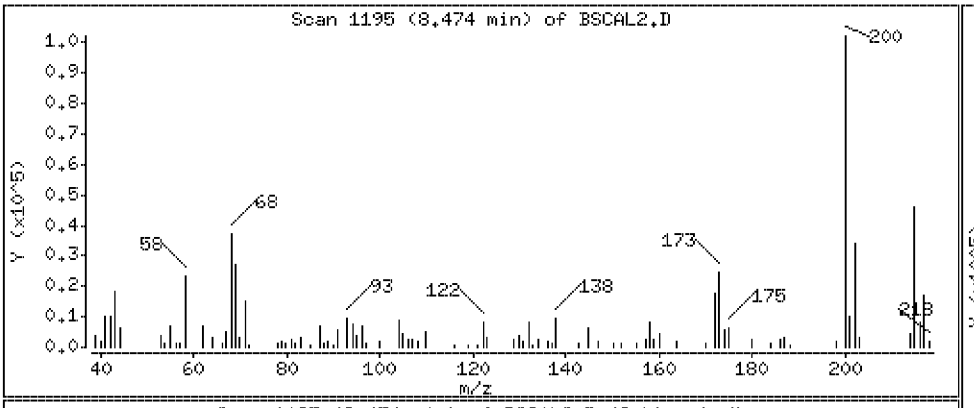
Operator: PEL

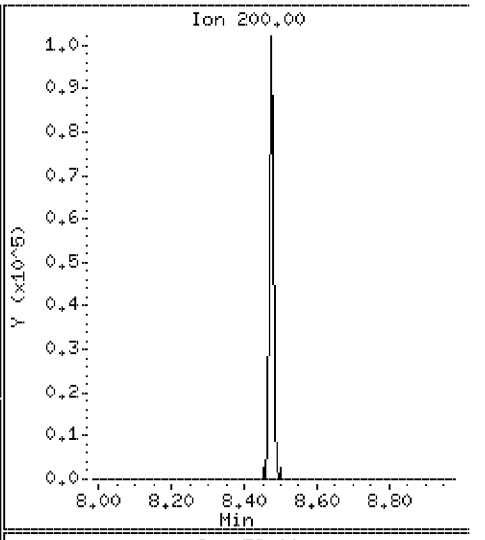
Column phase: HPMS-5

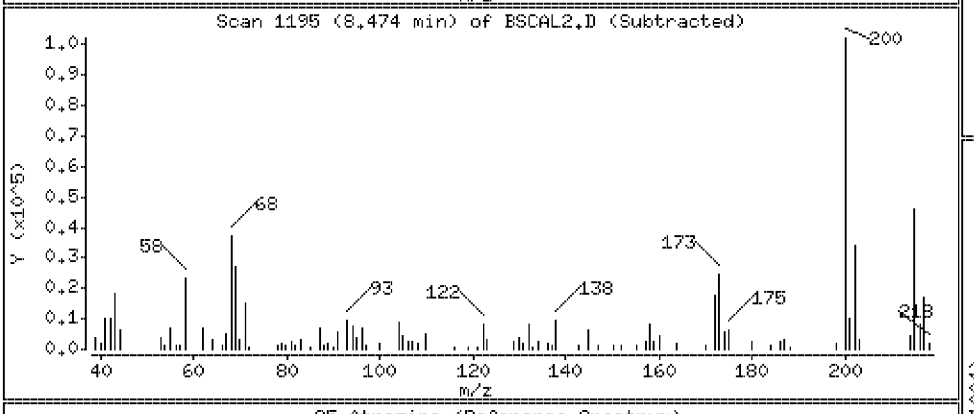
Column diameter: 0.25

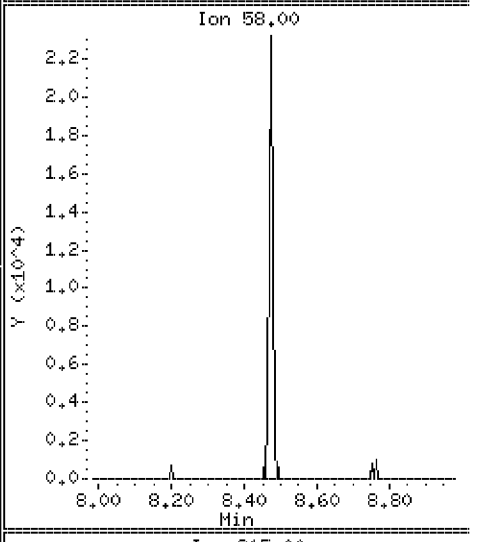
95 Atrazine

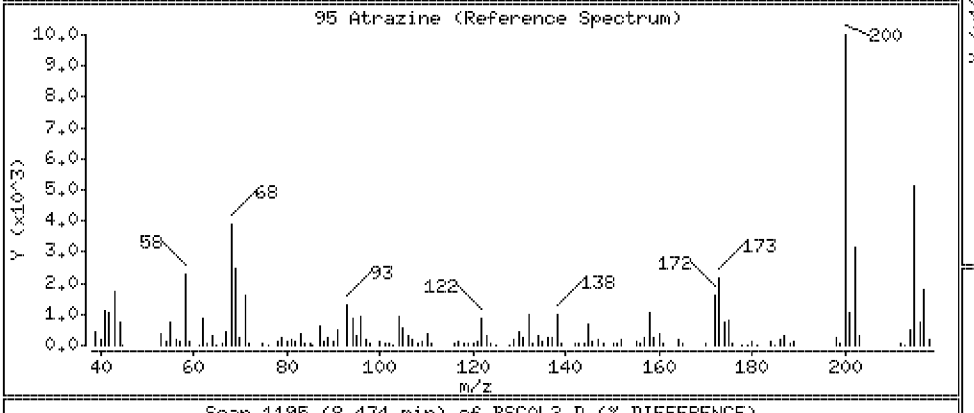
Concentration: 9.1 ug/l

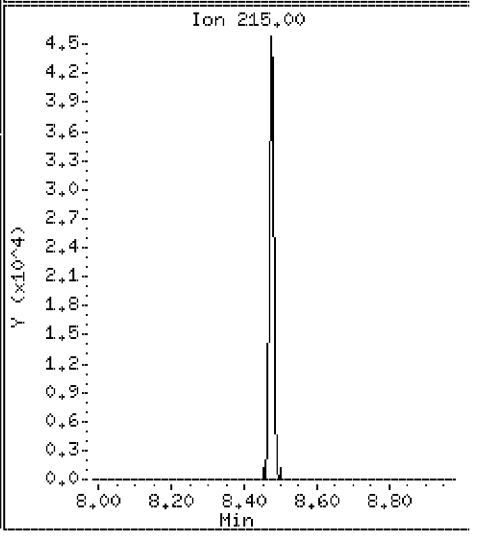


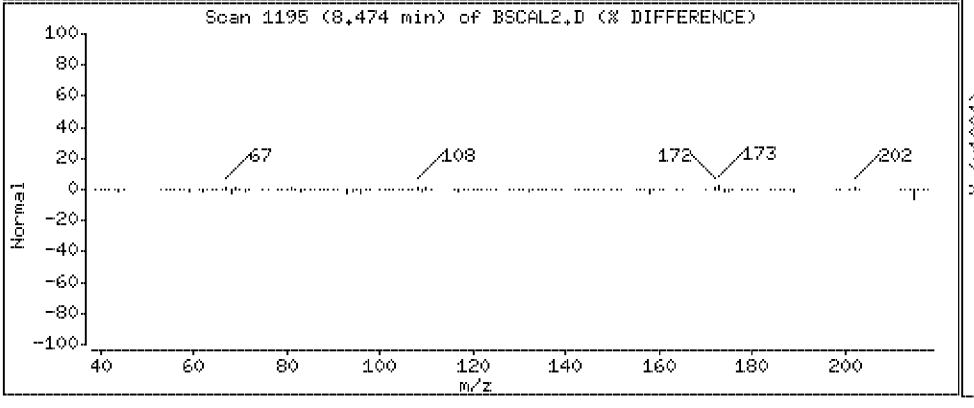












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL2.D

Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

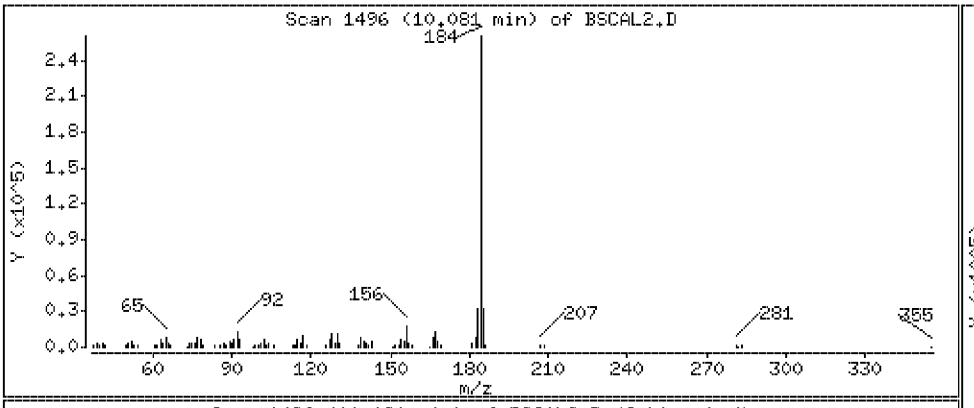
Operator: PEL

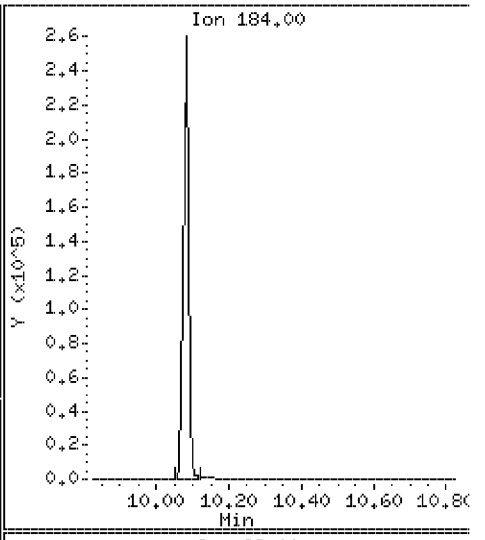
Column phase: HPMS-5

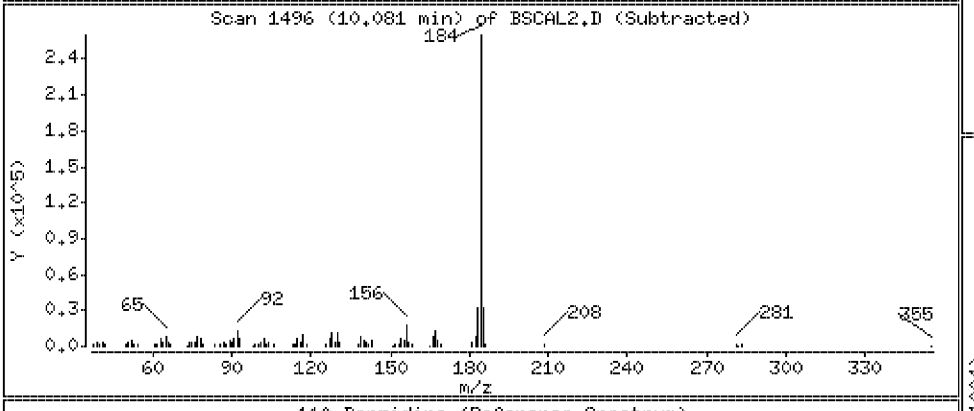
Column diameter: 0.25

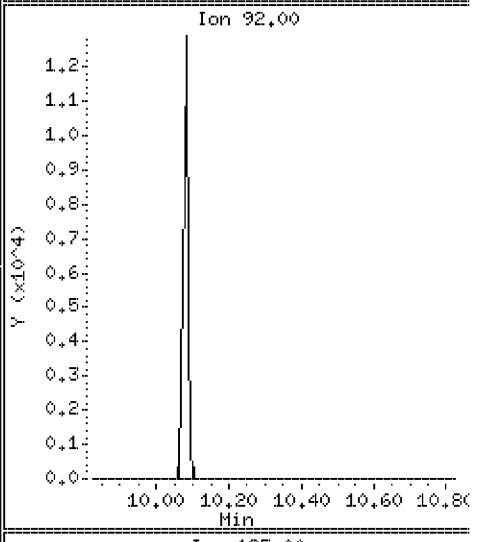
110 Benzidine

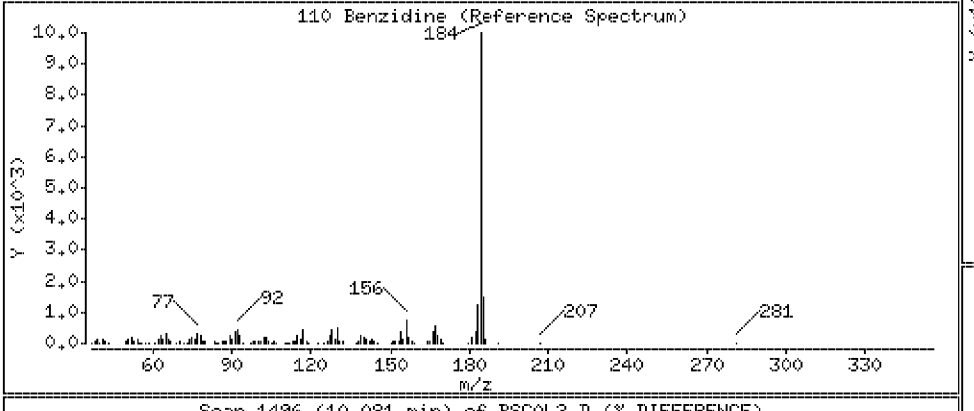
Concentration: 10.1 ug/l

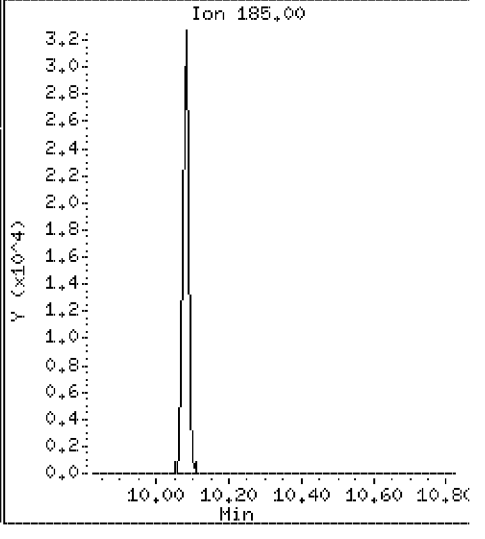


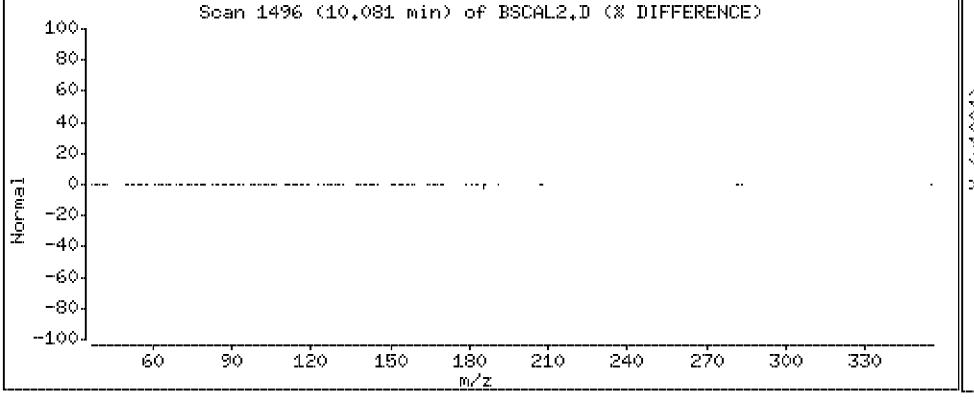












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Date : 23-APR-2012 15:55

Client ID: BSCAL2

Instrument: smsd03.i

Sample Info: 45938

Purge Volume: 1000.0

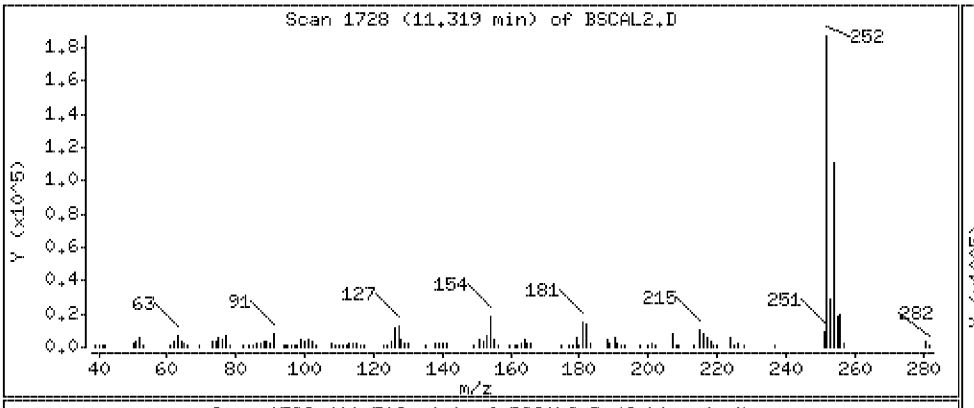
Operator: PEL

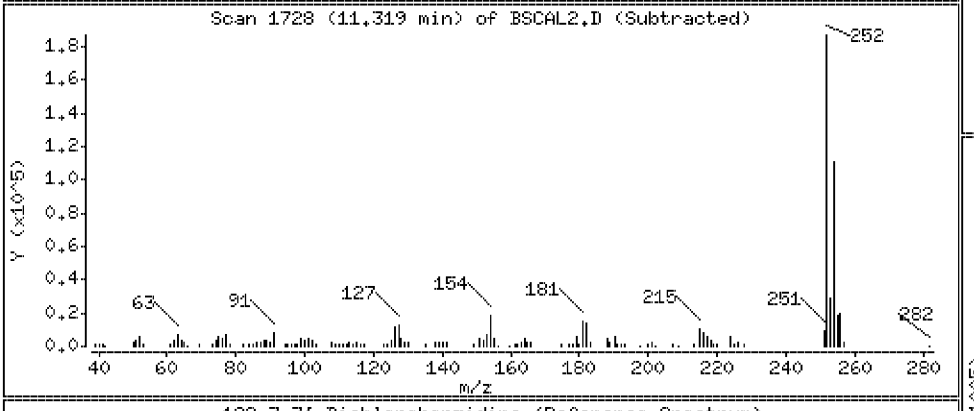
Column phase: HPMS-5

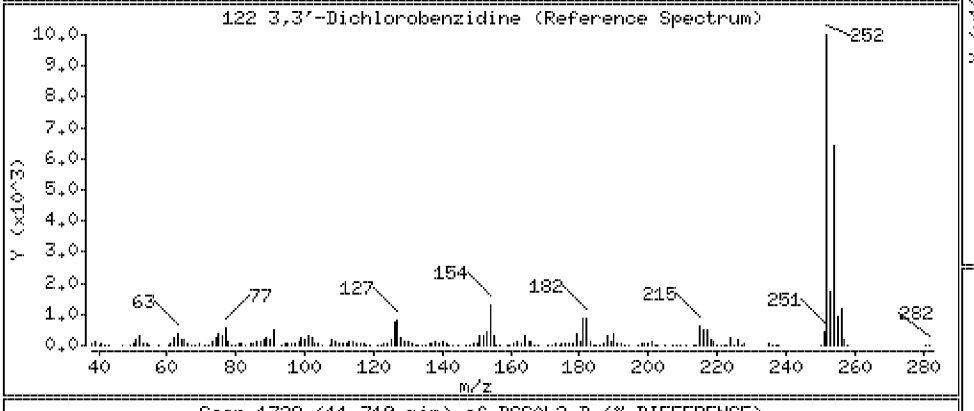
Column diameter: 0.25

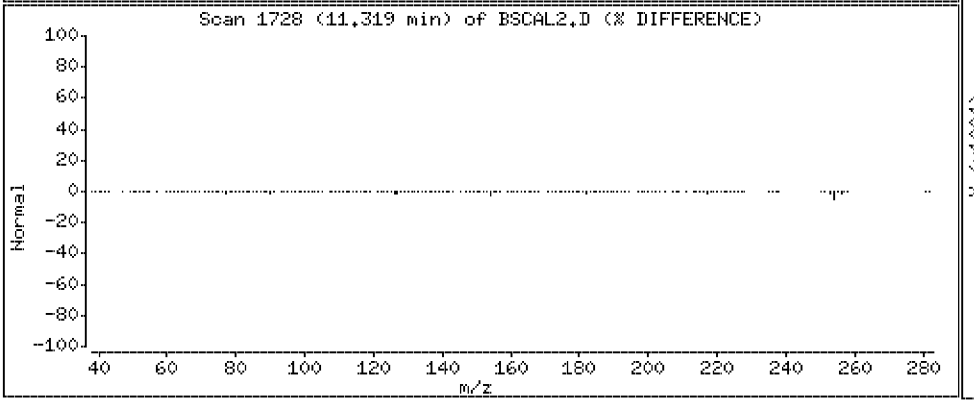
122 3,3'-Dichlorobenzidine

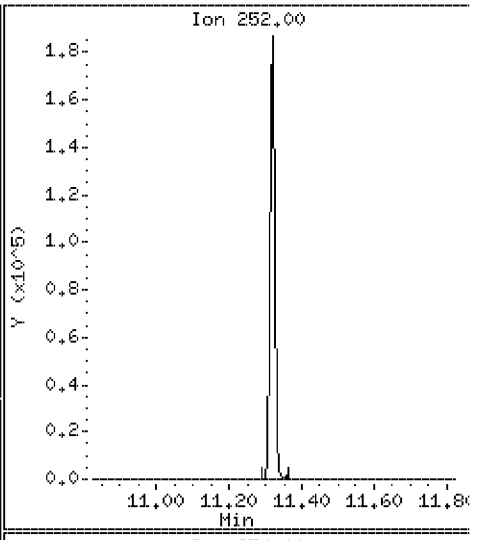
Concentration: 8.8 ug/l

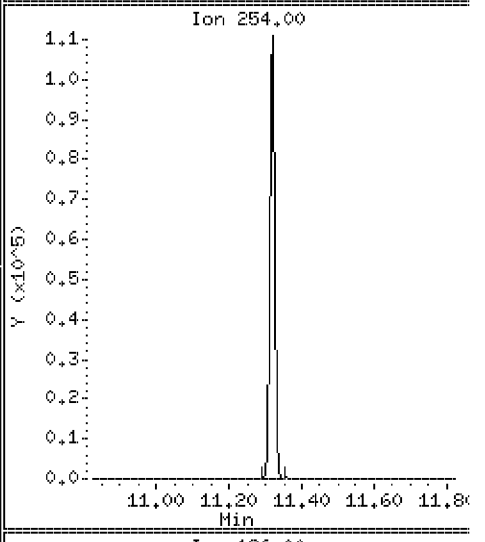


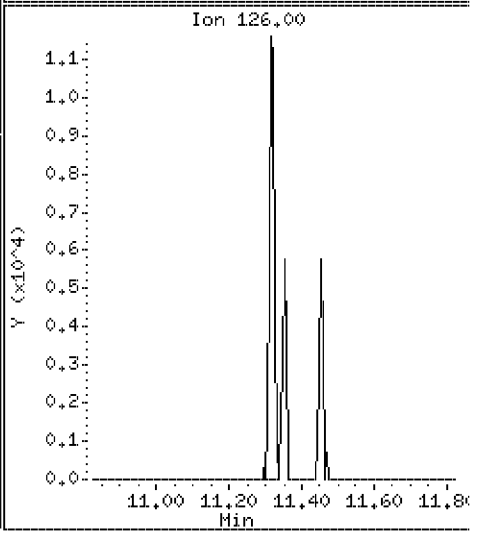












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D
Lab Smp Id: 45939 Client Smp ID: BSCAL1
Inj Date : 23-APR-2012 16:19 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45939
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 16:19 Cal File: BSCAL1.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.077	4.161 (0.917)	77	33098	4.00000		3.7	70.00- 130.00	100.00
4.077	4.161 (0.917)	106	24888				0.00- 30.92	75.19
4.077	4.161 (0.917)	51	13174				231.65- 291.65	39.80
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.446	4.448 (1.000)	152	290319	40.0000			80.00- 120.00	100.00
4.446	4.448 (1.000)	115	183612				32.20- 92.20	63.24
4.446	4.448 (1.000)	150	444678				139.77- 199.77	153.17
25 Acetophenone							CAS #: 98-86-2	
4.799	4.807 (0.856)	105	53869	4.00000		3.7	70.00- 130.00	100.00
4.798	4.807 (0.856)	77	52483				4410.01-4470.01	97.43
4.798	4.807 (0.856)	51	12247				1262.06-1322.06	22.73
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.607	5.610 (1.000)	136	958135	40.0000			80.00- 120.00	100.00
5.606	5.610 (1.000)	68	51642				0.00- 35.51	5.39
50 Caprolactam							CAS #: 105-60-2	
5.986	6.158 (1.068)	55	7159	4.00000		5.7	70.00- 130.00	100.00
5.985	6.158 (1.067)	113	8136				106.52- 166.52	113.65

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
5.985	6.158	(1.067)	85	5804			55.05- 115.05	81.07
	61 1,1-Biphenyl						CAS #: 92-52-4	
6.738	6.642	(0.923)	154	97571	4.00000	3.7	70.00- 130.00	100.00(a)
6.738	6.642	(0.923)	76	10414			1762.39-1822.39	10.67
6.738	6.642	(0.923)	51	5747			1618.22-1678.22	5.89
	* 70 Acenaphthene-d10						CAS #: 15067-26-2	
7.303	7.305	(1.000)	164	656639	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	628301			64.73- 124.73	95.68
7.303	7.305	(1.000)	160	285124			12.46- 72.46	43.42
	95 Atrazine						CAS #: 1912-24-9	
8.474	8.479	(0.968)	200	30056	4.00000	3.5	80.00- 120.00	100.00(a)
8.472	8.479	(0.967)	58	6113			0.00- 52.18	20.34
8.472	8.479	(0.967)	215	14500			22.24- 82.24	48.24
	* 100 Phenanthrene-d10						CAS #: 1517-22-2	
8.758	8.761	(1.000)	188	1264260	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	73165			0.00- 36.35	5.79
8.757	8.761	(1.000)	80	94952			0.00- 37.82	7.51
	110 Benzidine						CAS #: 92-87-5	
10.079	10.322	(0.888)	184	81460	4.00000	3.4	70.00- 130.00	100.00(a)
10.077	10.322	(0.888)	92	3660			36.43- 96.43	4.49
10.078	10.322	(0.888)	185	11322			0.00- 47.46	13.90
	122 3,3'-Dichlorobenzidine						CAS #: 91-94-1	
11.317	11.321	(0.997)	252	61832	4.00000	3.4	80.00- 120.00	100.00(a)
11.317	11.321	(0.997)	254	39120			34.83- 94.83	63.27
11.316	11.321	(0.997)	126	3322			0.00- 37.08	5.37
	* 121 Chrysene-d12						CAS #: 1719-03-5	
11.354	11.359	(1.000)	240	1581839	40.0000		80.00- 120.00	100.00
11.352	11.359	(1.000)	120	84949			0.00- 36.38	5.37
11.354	11.359	(1.000)	236	419010			0.00- 57.06	26.49
	* 130 Perylene-d12						CAS #: 1520-96-3	
12.682	12.682	(1.000)	264	1603770	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	393778			0.00- 54.80	24.55
12.681	12.682	(1.000)	265	367098			0.00- 53.39	22.89

QC Flag Legend

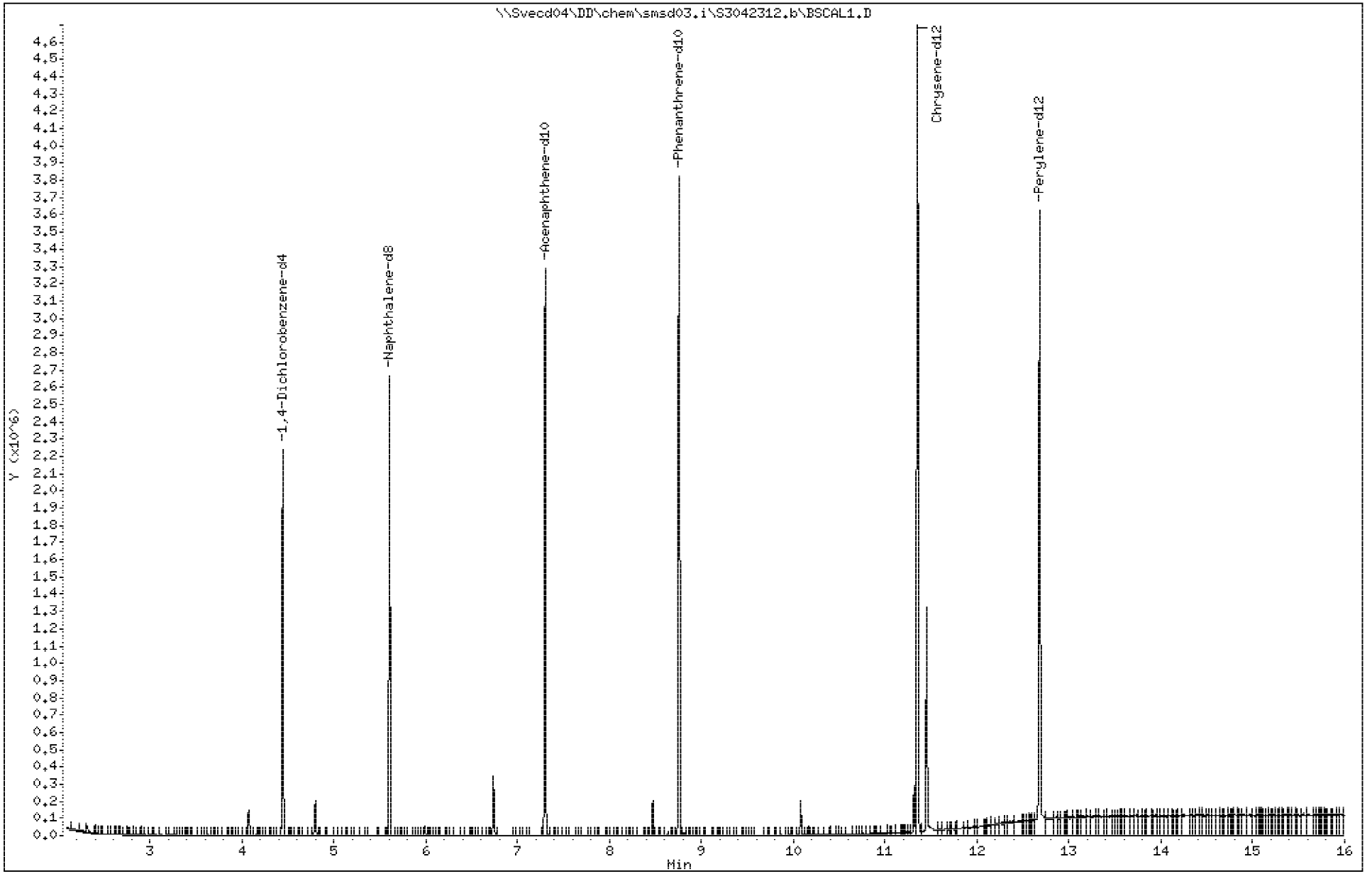
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D
Date : 23-APR-2012 16:19
Client ID: BSCAL1
Sample Info: 45939
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd03.i
Operator: PEL
Column diameter: 0.25

1593

3505835



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Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

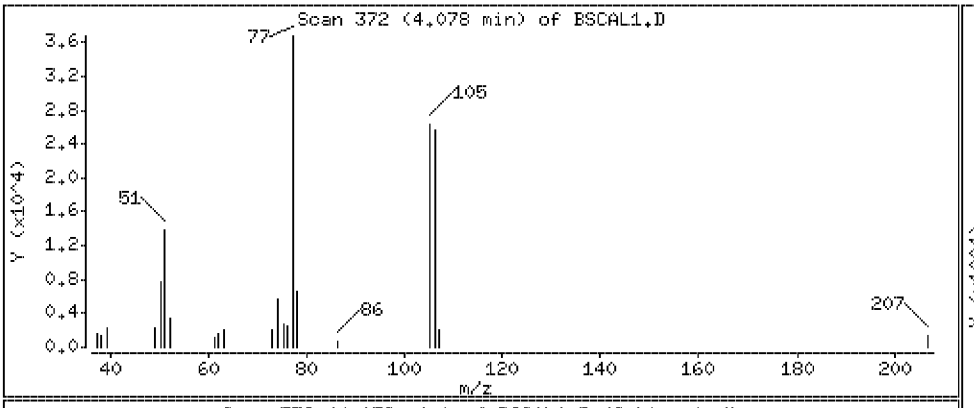
Operator: PEL

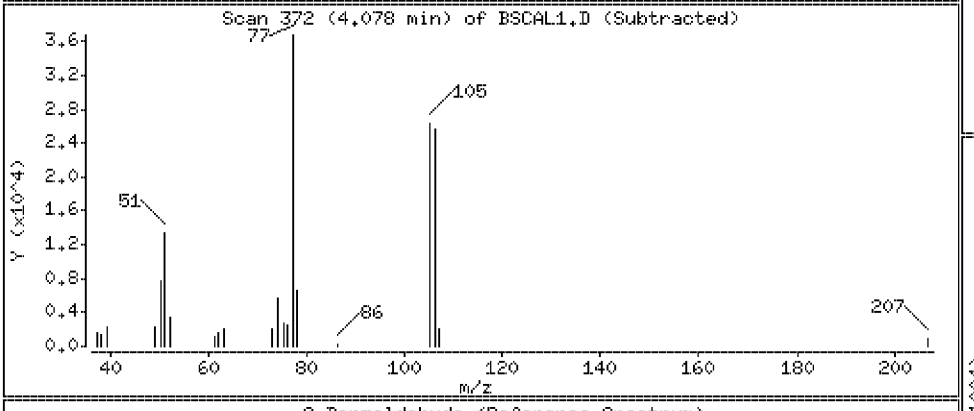
Column phase: HPMS-5

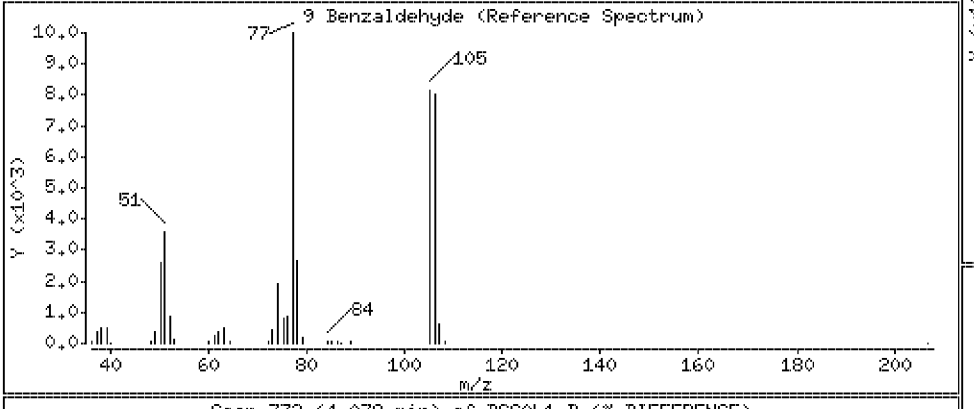
Column diameter: 0.25

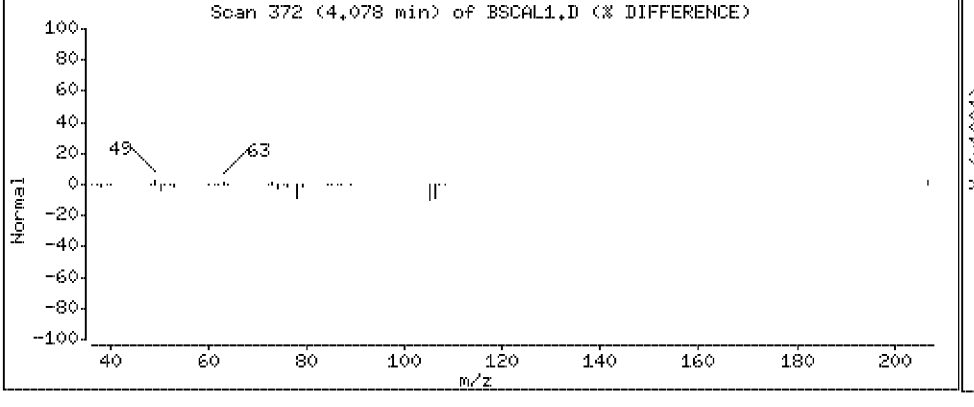
9 Benzaldehyde

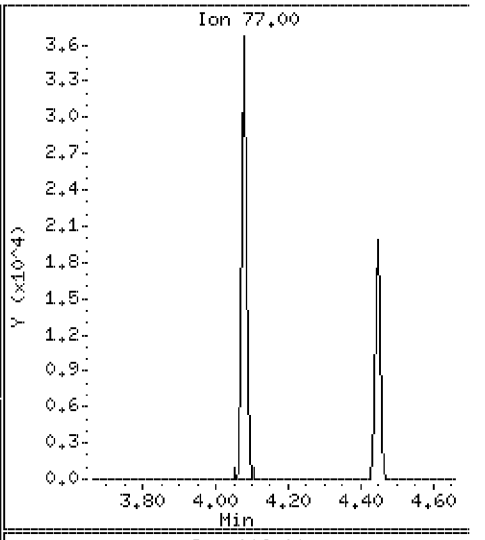
Concentration: 3.7 ug/l

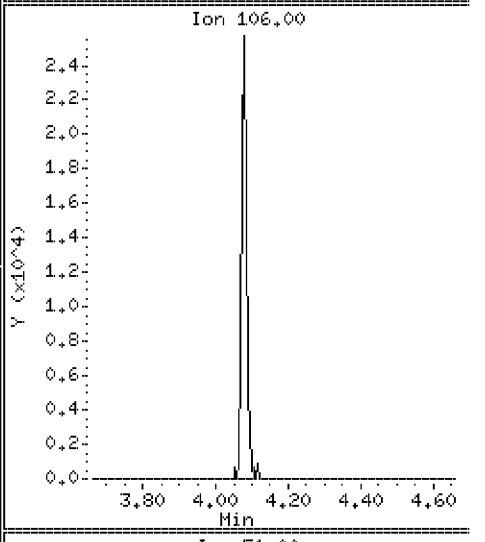


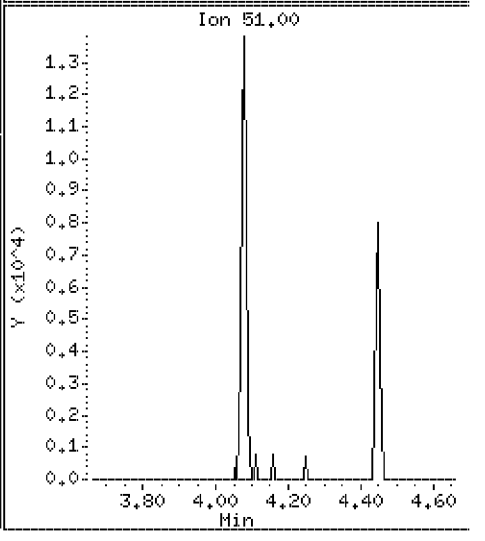












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

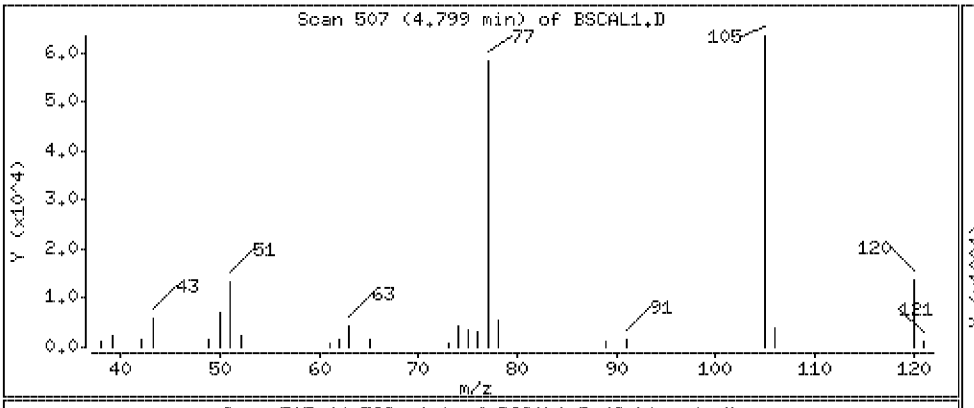
Operator: PEL

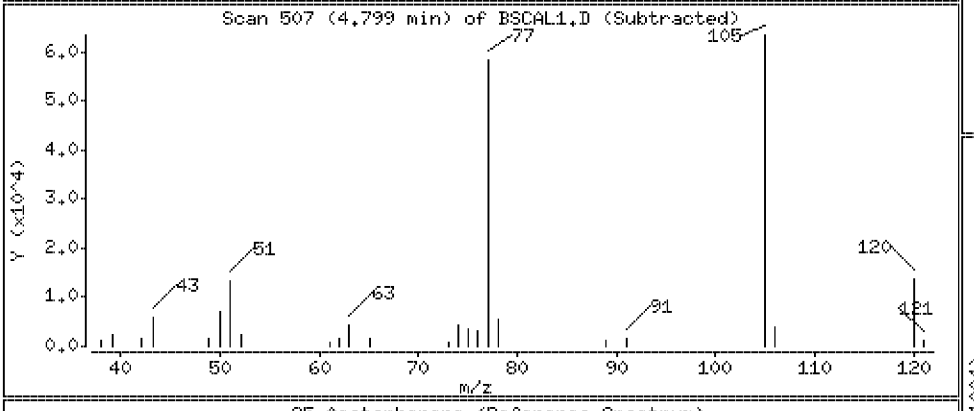
Column phase: HPMS-5

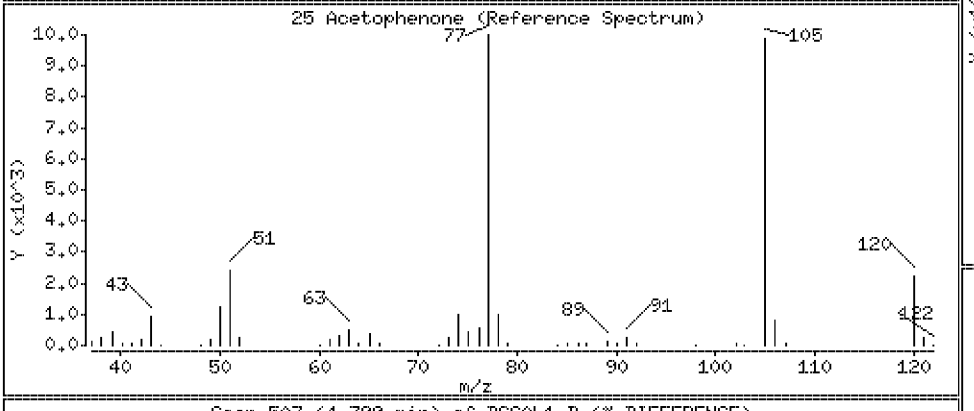
Column diameter: 0.25

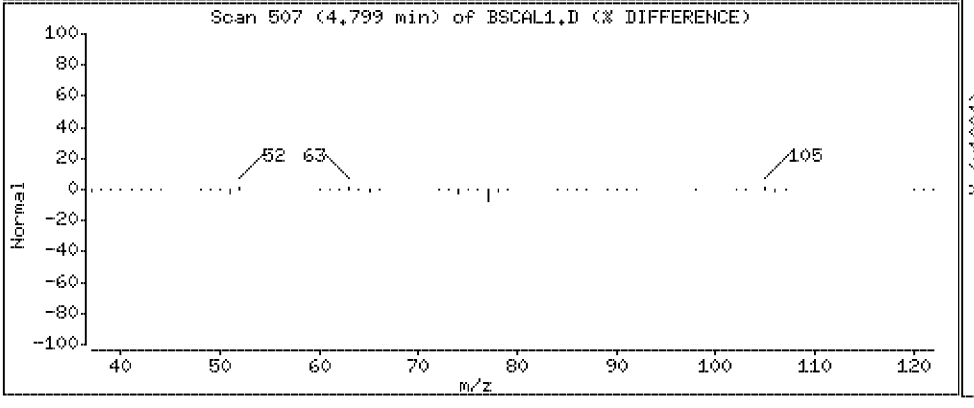
25 Acetophenone

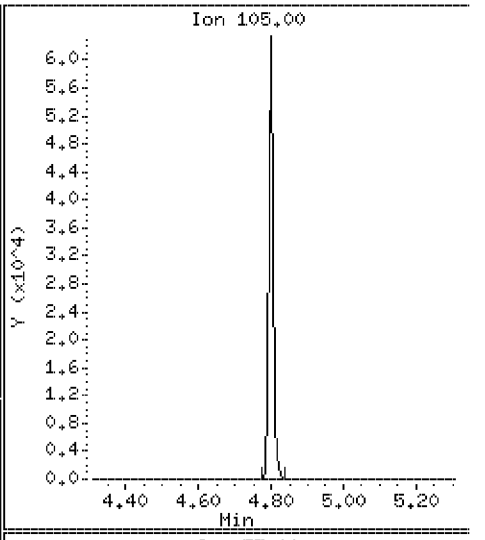
Concentration: 3.7 ug/l

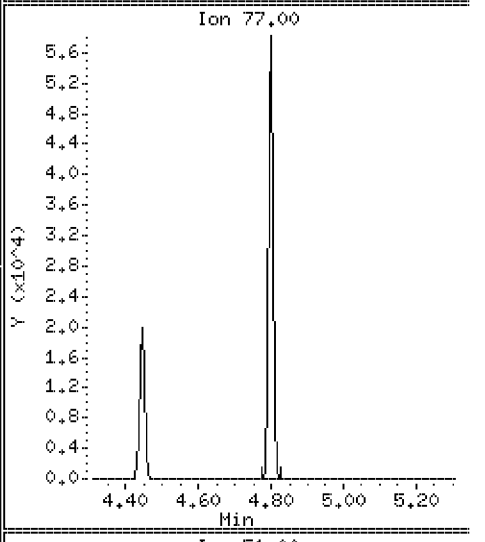


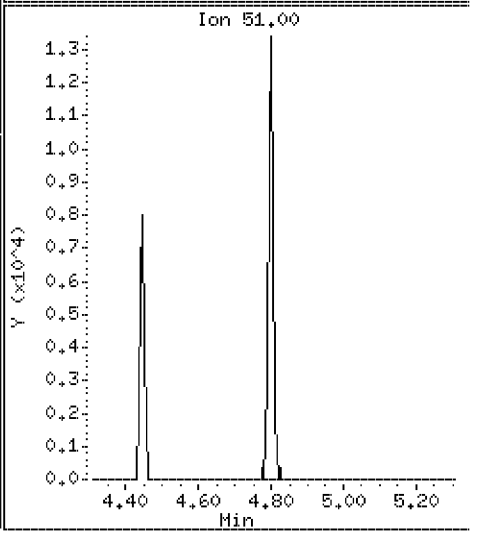












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

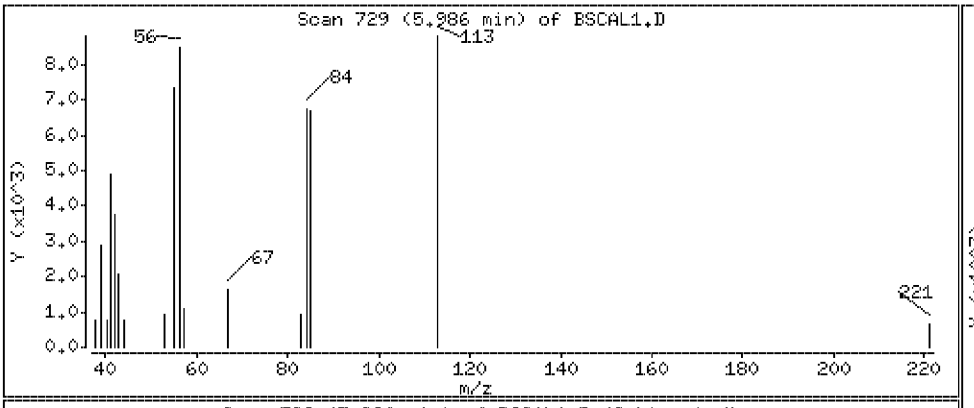
Operator: PEL

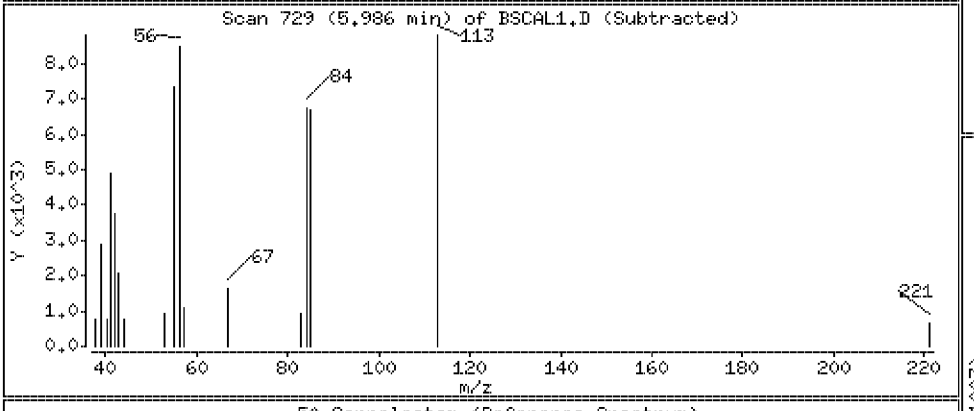
Column phase: HPMS-5

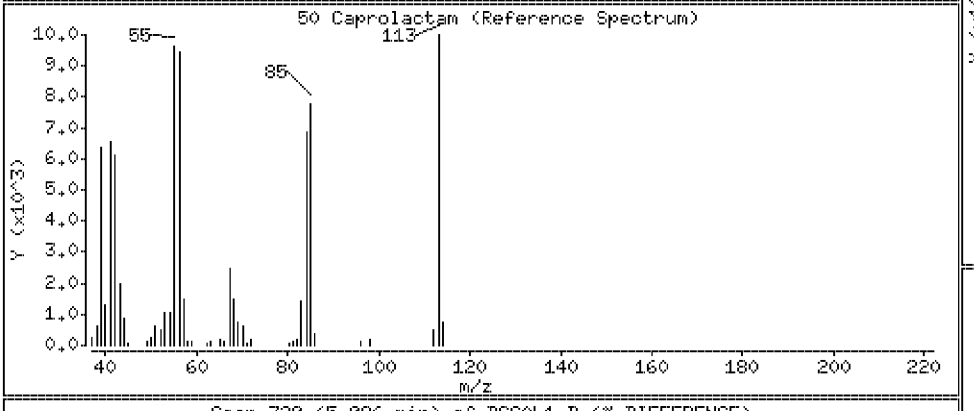
Column diameter: 0.25

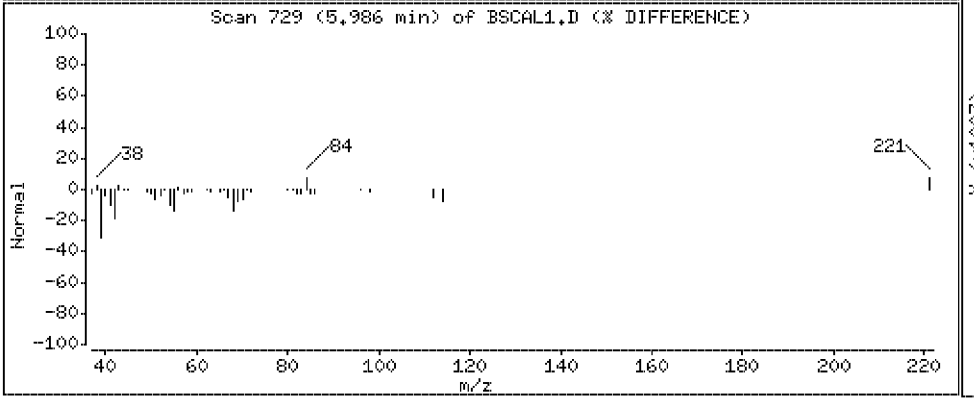
50 Caprolactam

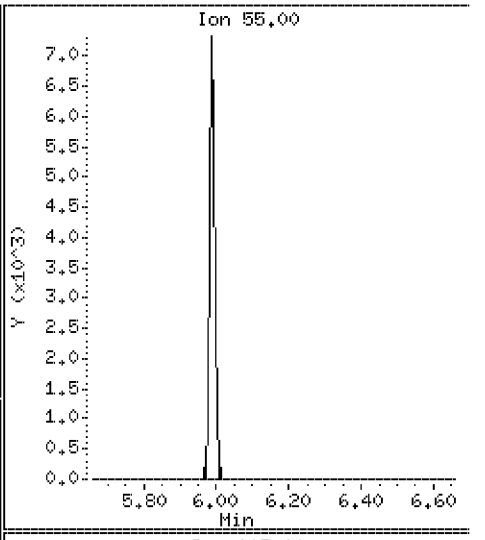
Concentration: 5.7 ug/l

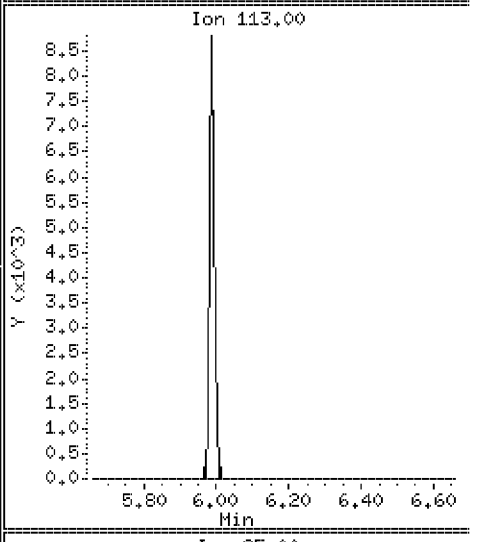


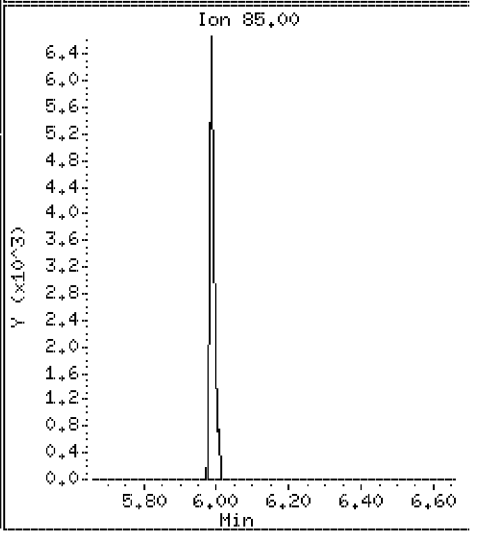












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

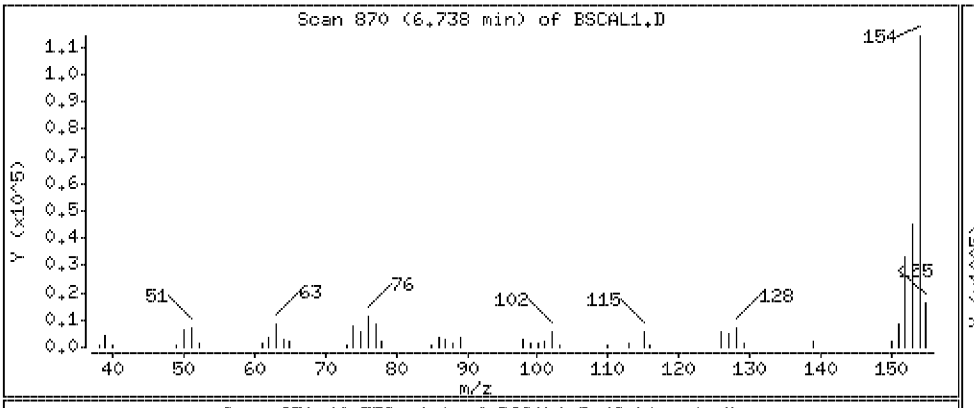
Operator: PEL

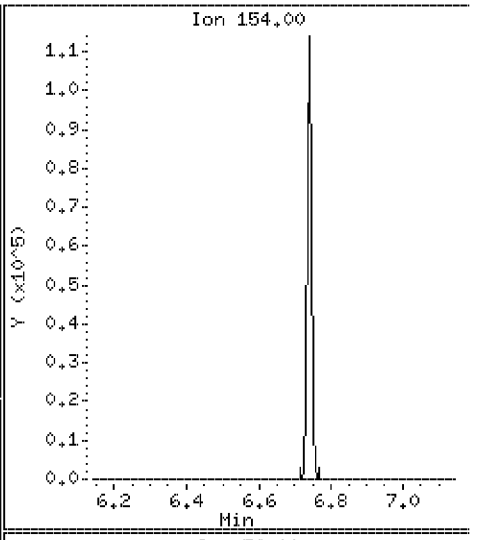
Column phase: HPMS-5

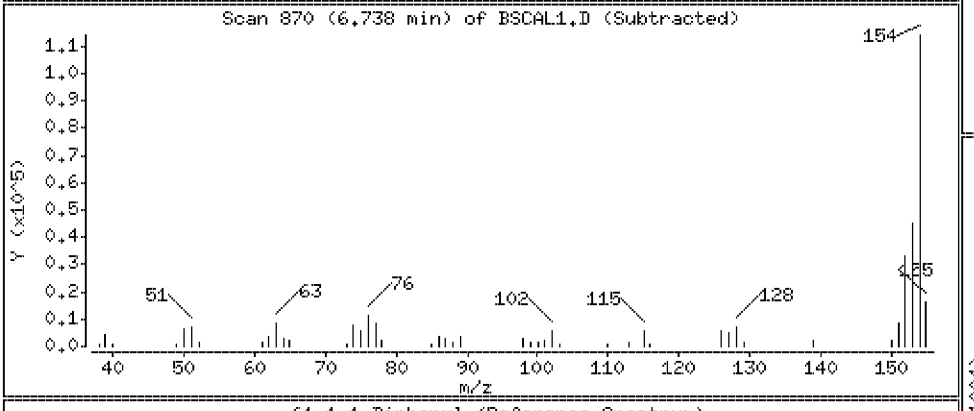
Column diameter: 0.25

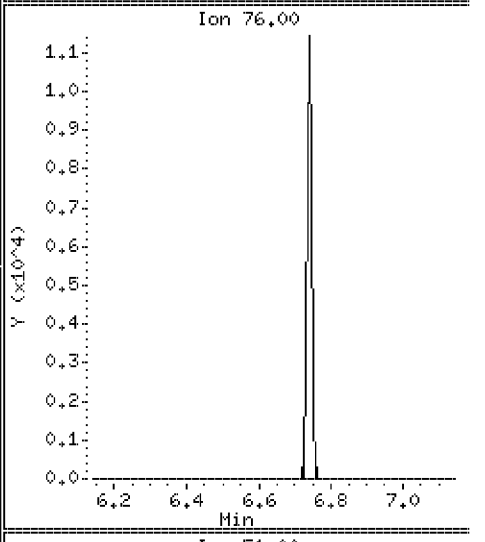
61 1,1-Biphenyl

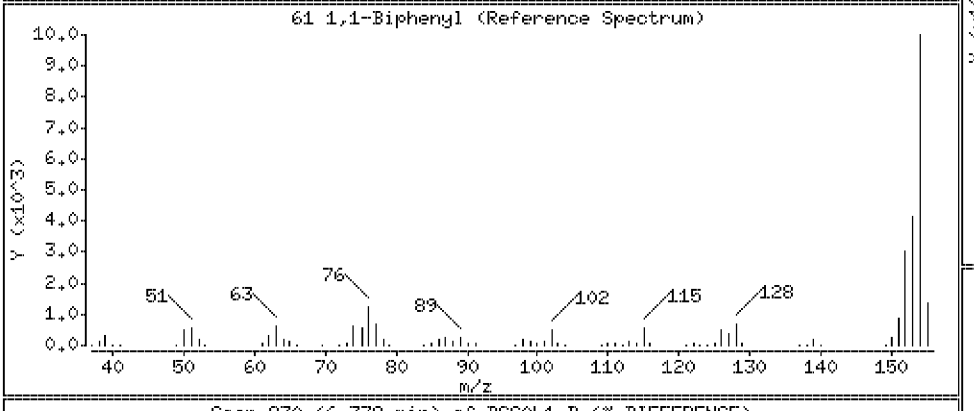
Concentration: 3.7 ug/l

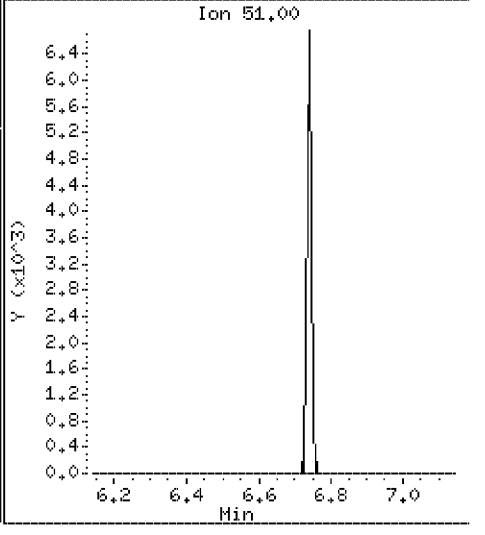


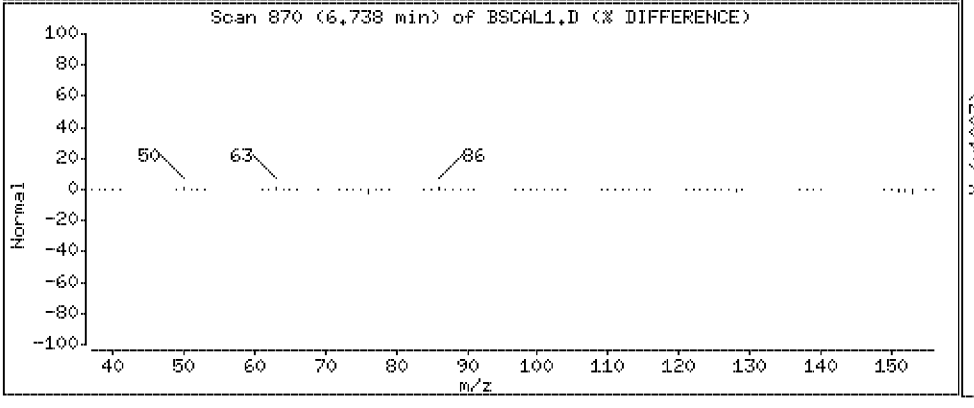












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

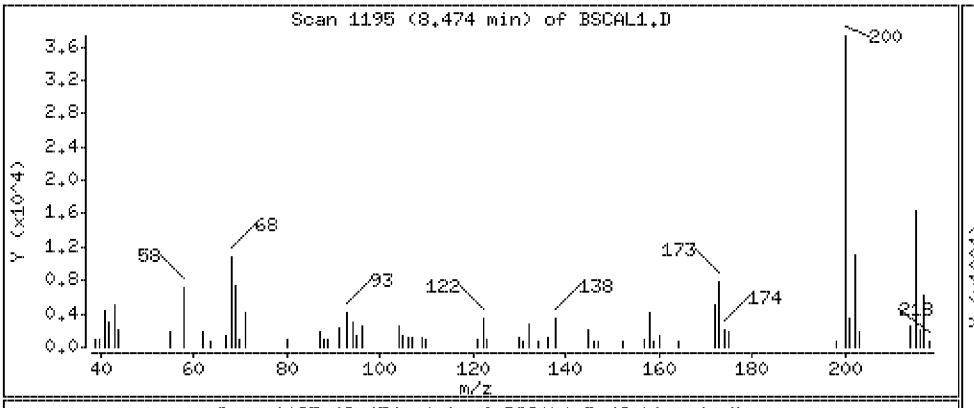
Operator: PEL

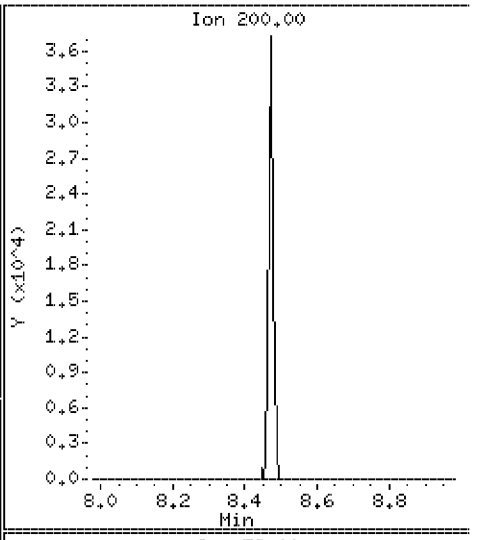
Column phase: HPMS-5

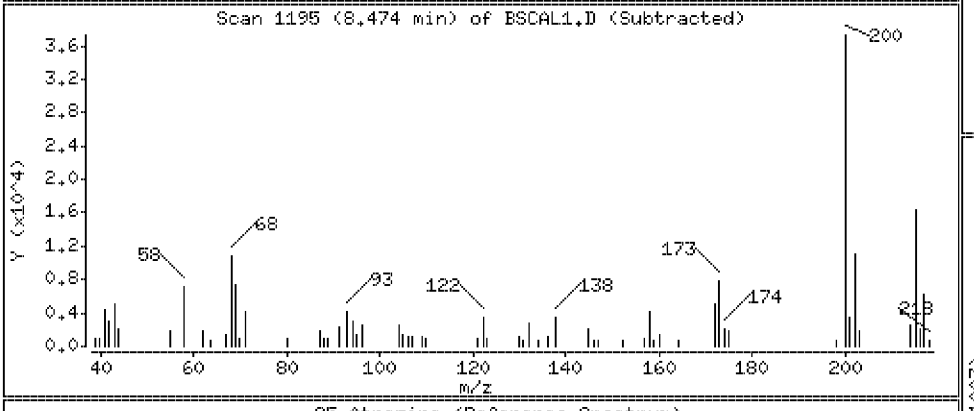
Column diameter: 0.25

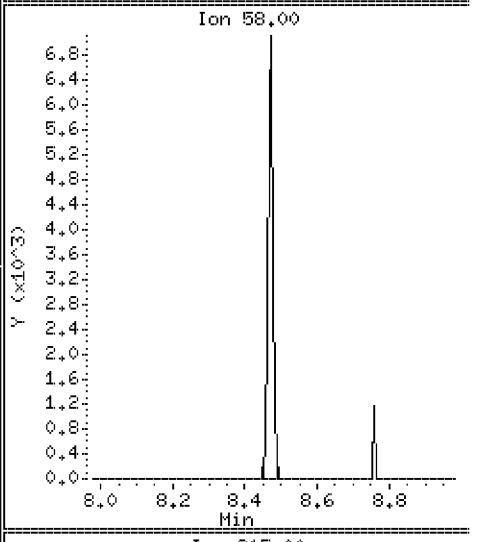
95 Atrazine

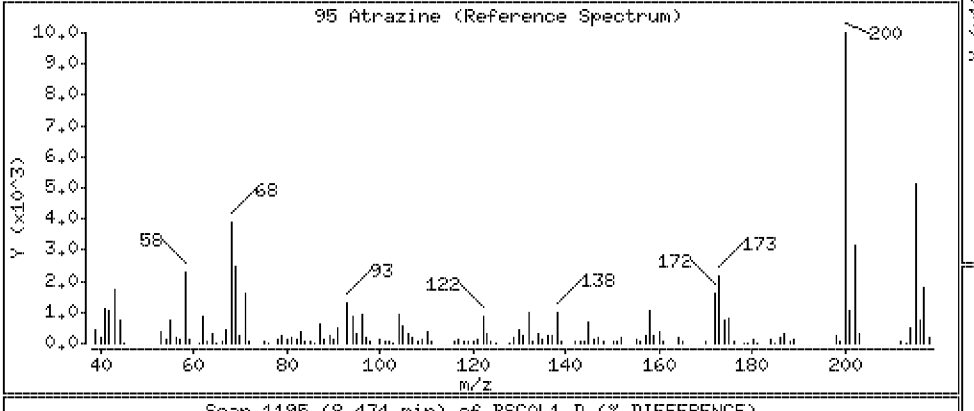
Concentration: 3.5 ug/l

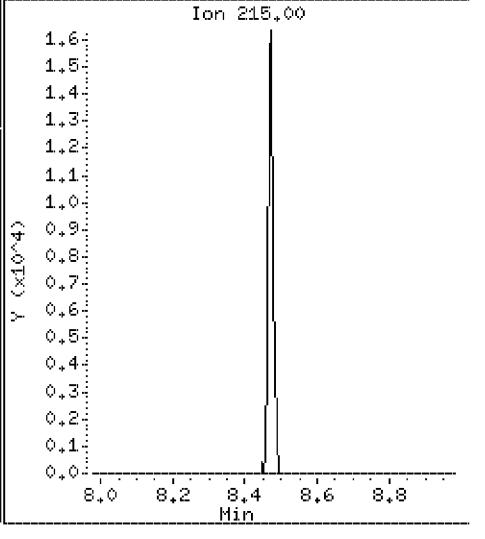


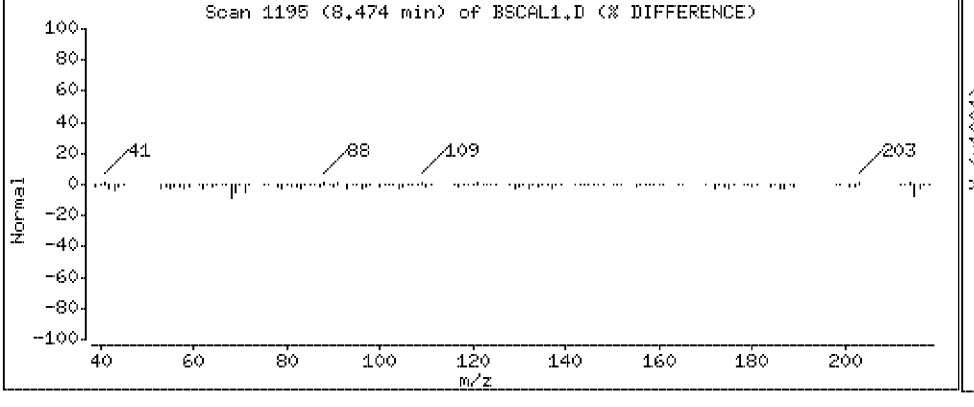












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

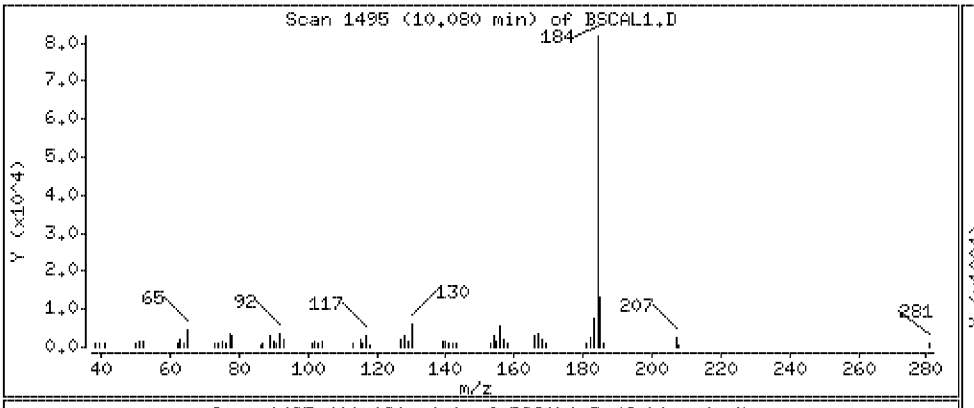
Operator: PEL

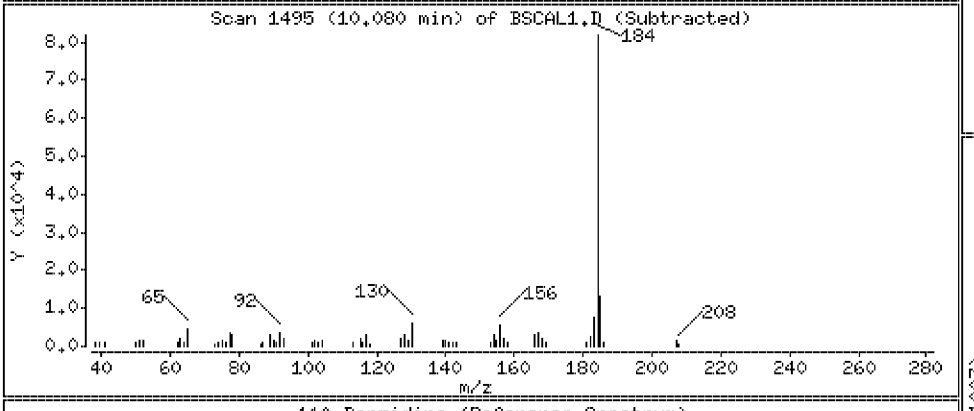
Column phase: HPMS-5

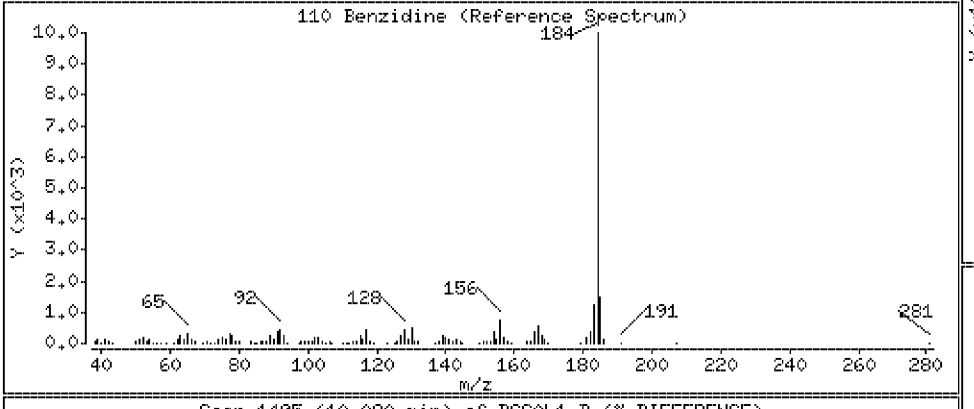
Column diameter: 0.25

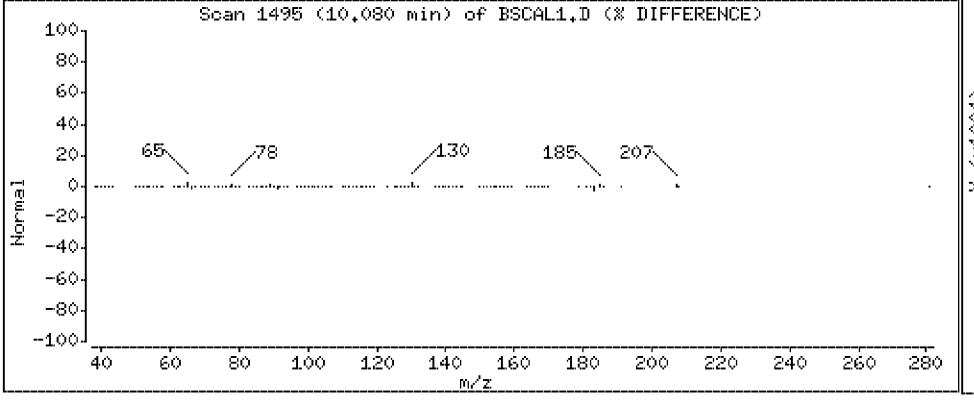
110 Benzidine

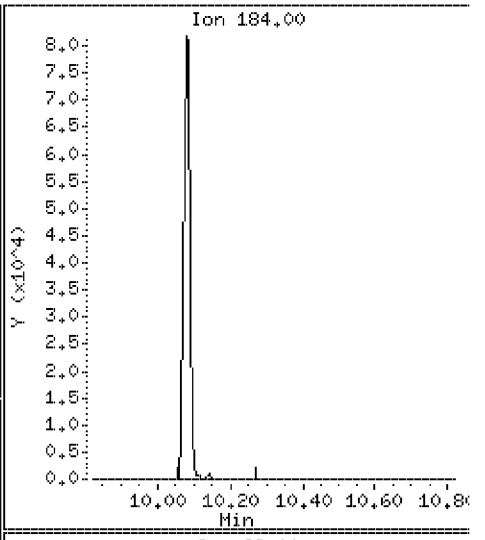
Concentration: 3.4 ug/l

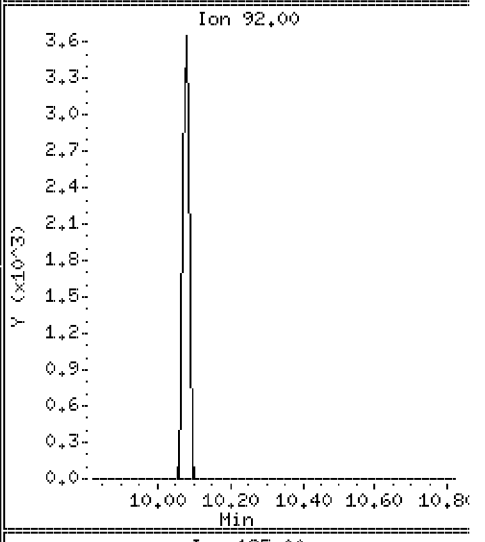


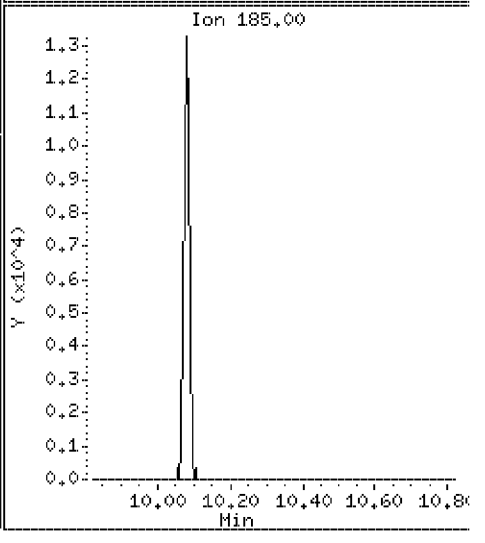












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSCAL1.D

Date : 23-APR-2012 16:19

Client ID: BSCAL1

Instrument: smsd03.i

Sample Info: 45939

Purge Volume: 1000.0

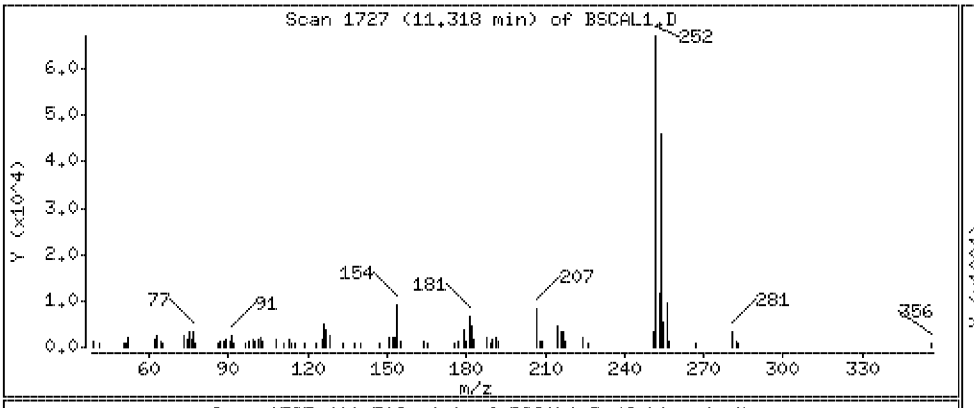
Operator: PEL

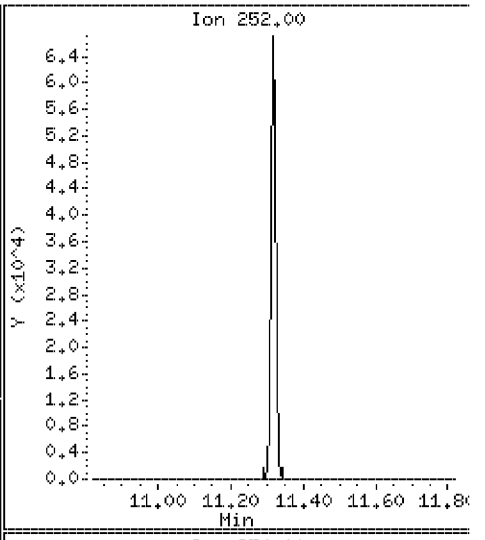
Column phase: HPMS-5

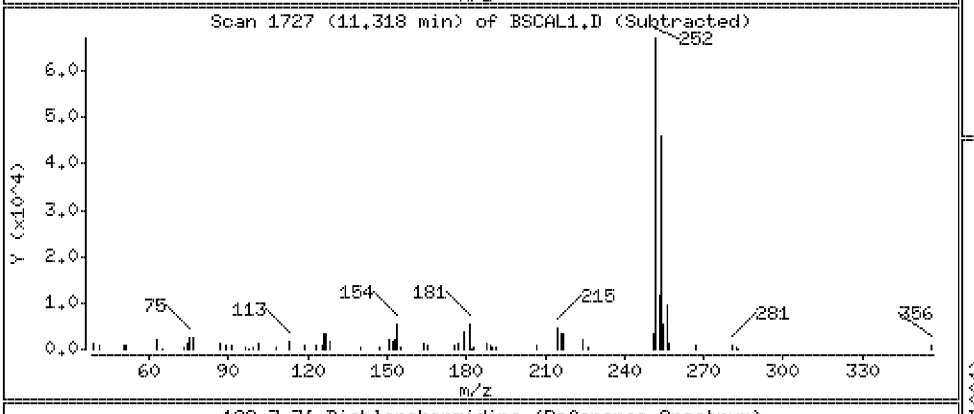
Column diameter: 0.25

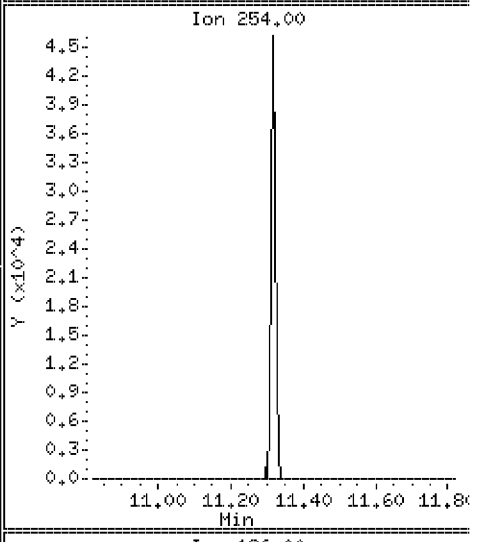
122 3,3'-Dichlorobenzidine

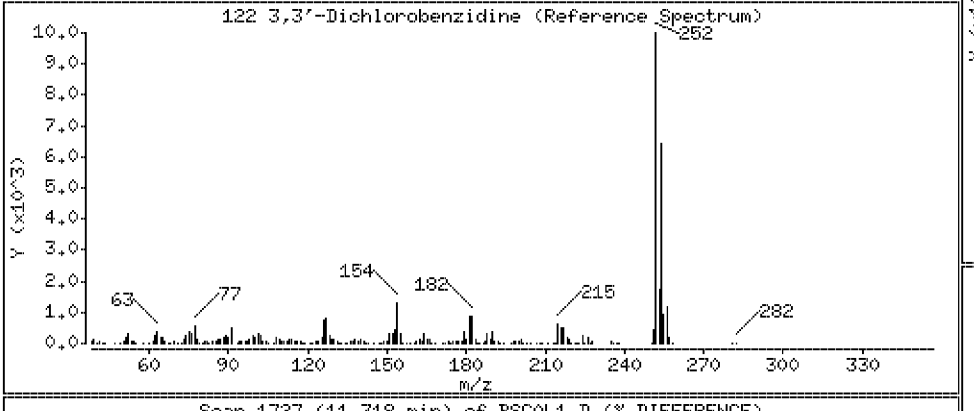
Concentration: 3.4 ug/l

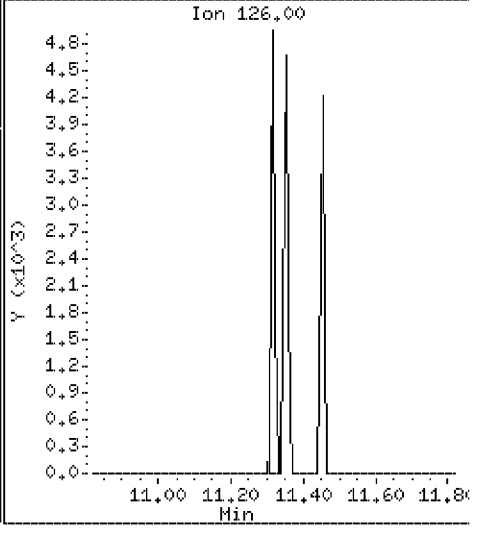


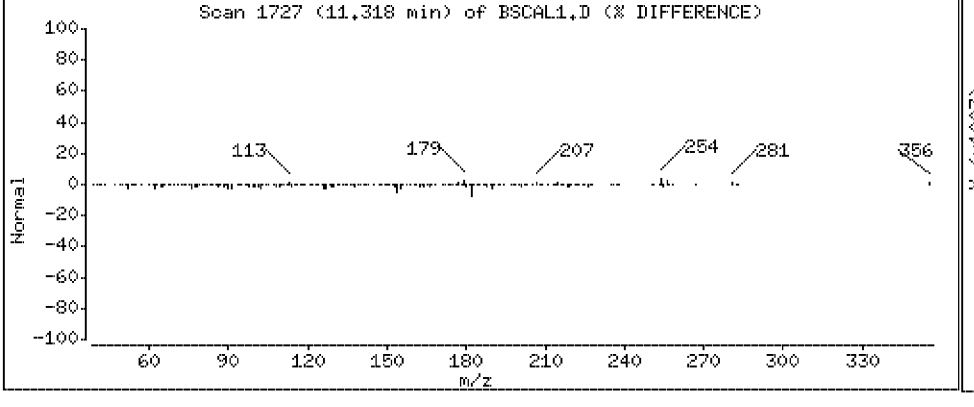












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D
Lab Smp Id: 44859 Client Smp ID: BSSEC
Inj Date : 23-APR-2012 16:42 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 44859
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 16:19 Cal File: BSCAL1.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

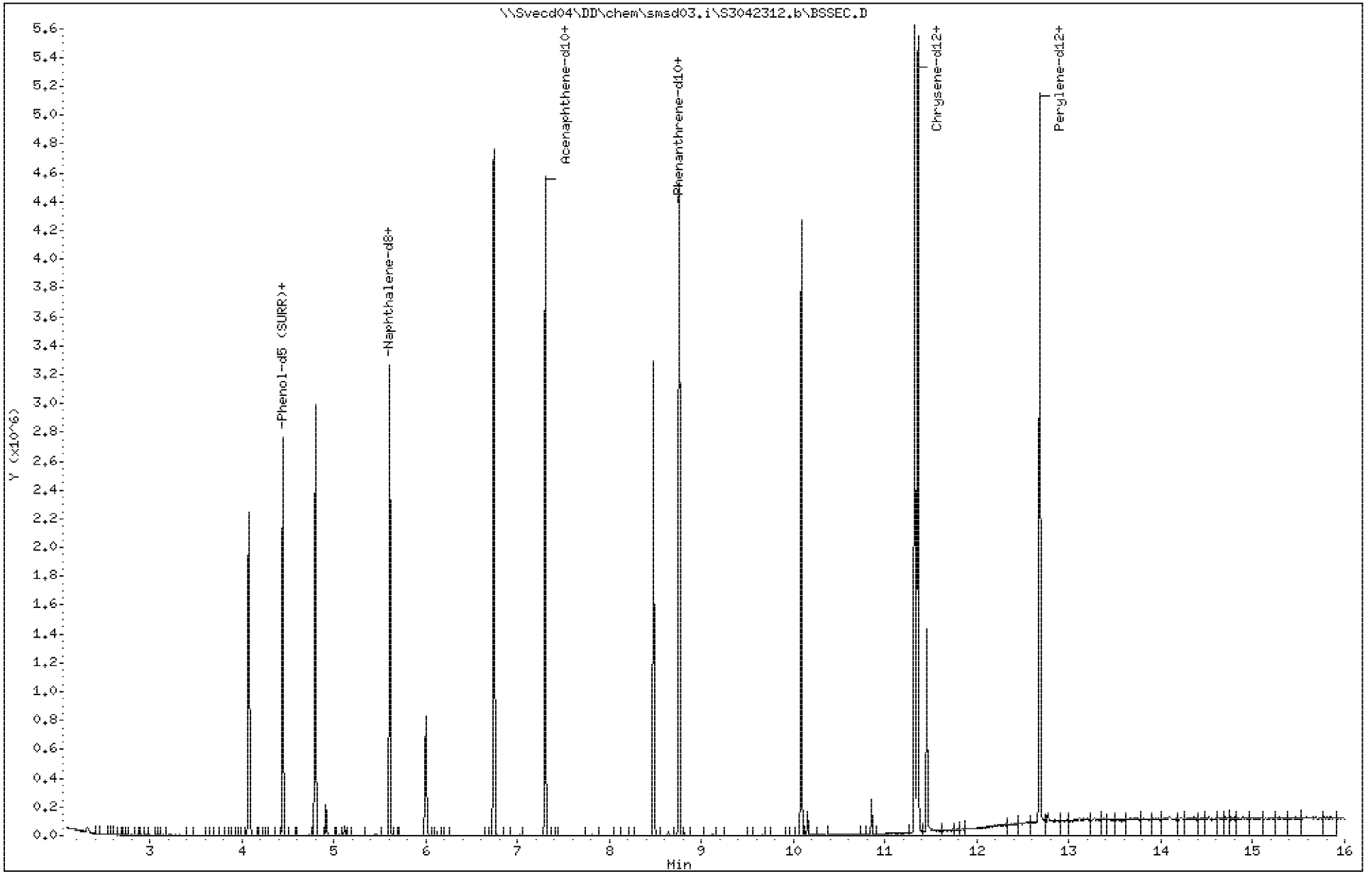
Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
4.075	4.161	(0.917)	77	469328	45.0000	42.5	70.00- 130.00	100.00
4.075	4.161	(0.917)	106	359360			0.00- 30.92	76.57
4.075	4.161	(0.917)	51	166631			231.65- 291.65	35.50
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	361974	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	230050			32.20- 92.20	63.55
4.446	4.448	(1.000)	150	546666			139.77- 199.77	151.02
25 Acetophenone							CAS #: 98-86-2	
4.798	4.807	(0.856)	105	745792	45.0000	41.4	70.00- 130.00	100.00
4.797	4.807	(0.856)	77	747634			4410.01-4470.01	100.25
4.797	4.807	(0.856)	51	183996			1262.06-1322.06	24.67
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.607	5.610	(1.000)	136	1195811	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	63913			0.00- 35.51	5.34
50 Caprolactam							CAS #: 105-60-2	
6.002	6.158	(1.070)	55	130177	45.0000	38.4	70.00- 130.00	100.00
6.002	6.158	(1.070)	113	140736			106.52- 166.52	108.11

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
6.002	6.158	(1.070)	85	103392			55.05- 115.05	79.42
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.739	6.642	(0.923)	154	1361594	45.0000	39.7	70.00- 130.00	100.00
6.738	6.642	(0.923)	76	172809			1762.39-1822.39	12.69
6.738	6.642	(0.923)	51	85245			1618.22-1678.22	6.26
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	861746	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	819720			64.73- 124.73	95.12
7.303	7.305	(1.000)	160	376632			12.46- 72.46	43.71
	95 Atrazine					CAS #: 1912-24-9		
8.479	8.479	(0.968)	200	439119	45.0000	39.6	80.00- 120.00	100.00
8.478	8.479	(0.968)	58	98989			0.00- 52.18	22.54
8.479	8.479	(0.968)	215	232360			22.24- 82.24	52.92
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.758	8.761	(1.000)	188	1655060	40.0000		80.00- 120.00	100.00
8.758	8.761	(1.000)	94	103644			0.00- 36.35	6.26
8.757	8.761	(1.000)	80	126560			0.00- 37.82	7.65
	110 Benzidine					CAS #: 92-87-5		
10.085	10.322	(0.888)	184	1456068	45.0000	44.8	70.00- 130.00	100.00
10.084	10.322	(0.888)	92	68188			36.43- 96.43	4.68
10.084	10.322	(0.888)	185	214827			0.00- 47.46	14.75
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.321	11.321	(0.997)	252	1128784	45.0000	46.1	80.00- 120.00	100.00
11.321	11.321	(0.997)	254	727842			34.83- 94.83	64.48
11.320	11.321	(0.997)	126	79428			0.00- 37.08	7.04
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.355	11.359	(1.000)	240	2116274	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	116603			0.00- 36.38	5.51
11.355	11.359	(1.000)	236	568538			0.00- 57.06	26.87
*	130 Perylene-d12					CAS #: 1520-96-3		
12.682	12.682	(1.000)	264	2121570	40.0000		80.00- 120.00	100.00
12.682	12.682	(1.000)	260	527245			0.00- 54.80	24.85
12.682	12.682	(1.000)	265	499671			0.00- 53.39	23.55

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D
Date : 23-APR-2012 16:42
Client ID: BSSEC
Instrument: smsd03.i
Sample Info: 44859
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1603



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

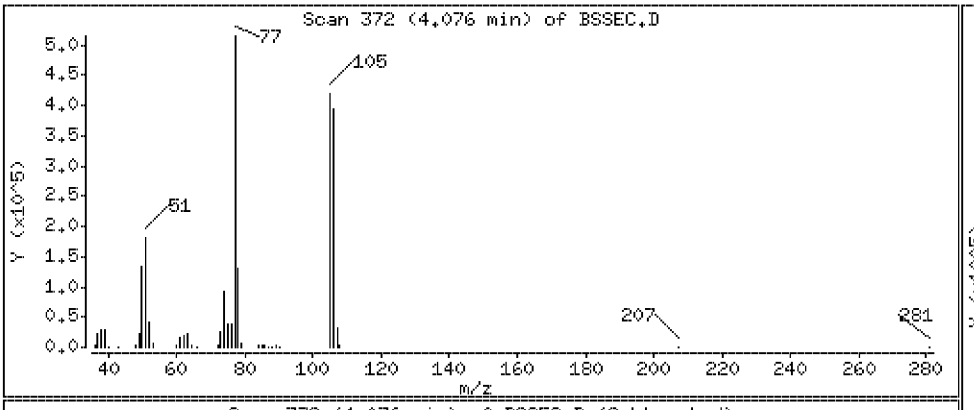
Operator: PEL

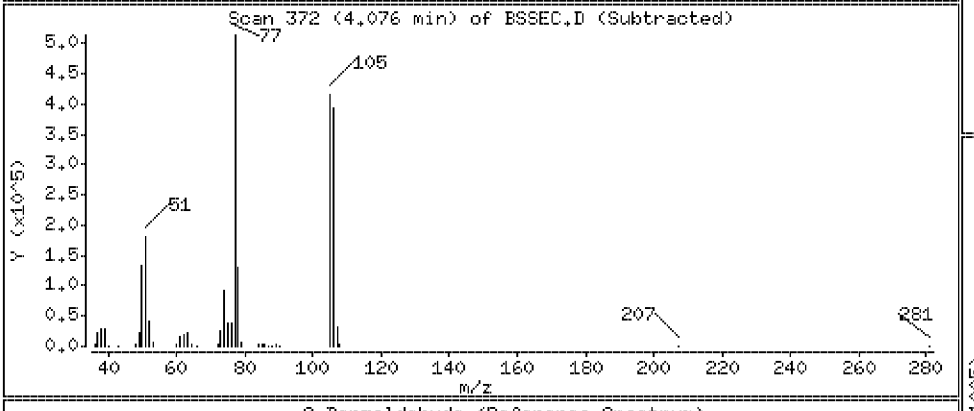
Column phase: HPMS-5

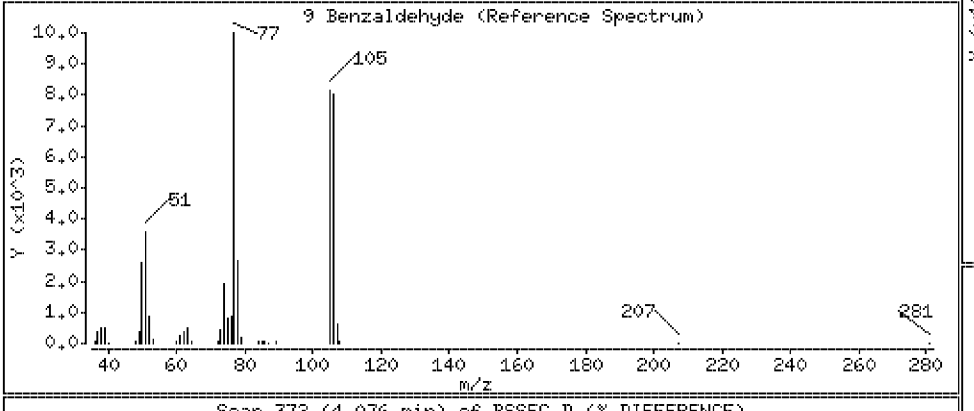
Column diameter: 0.25

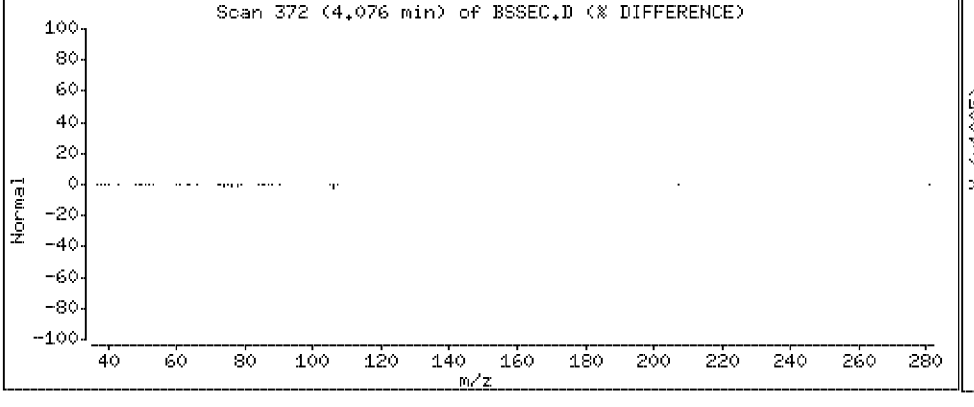
9 Benzaldehyde

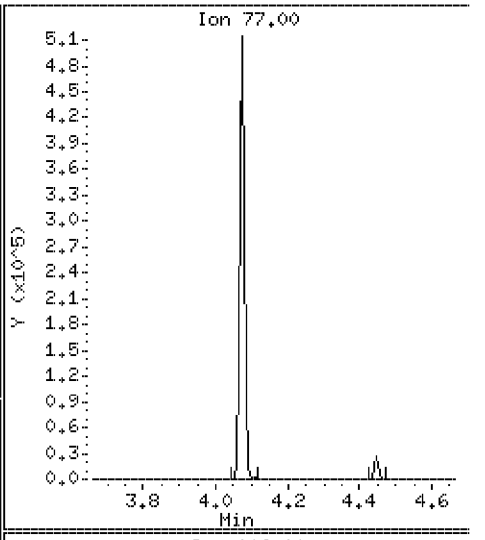
Concentration: 42.5 ug/l

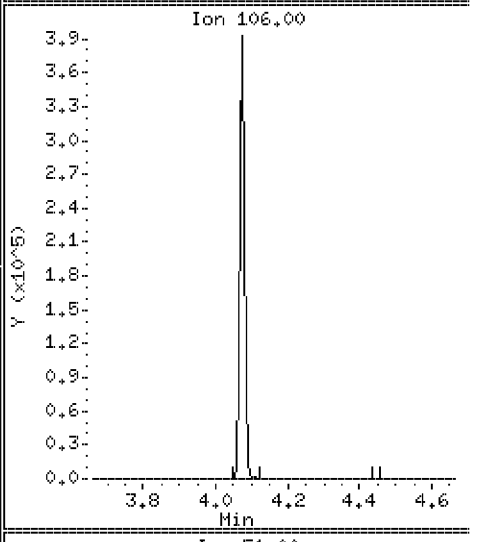


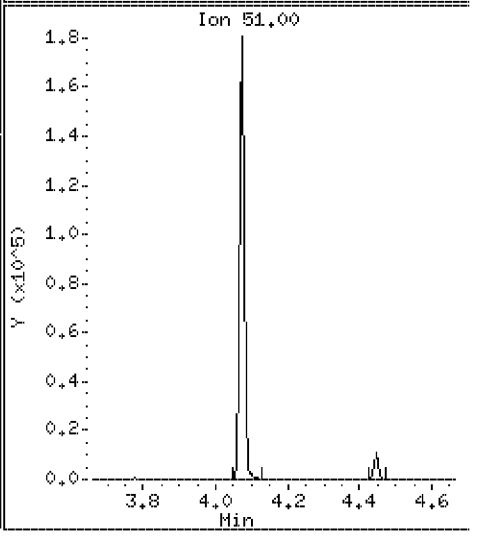












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

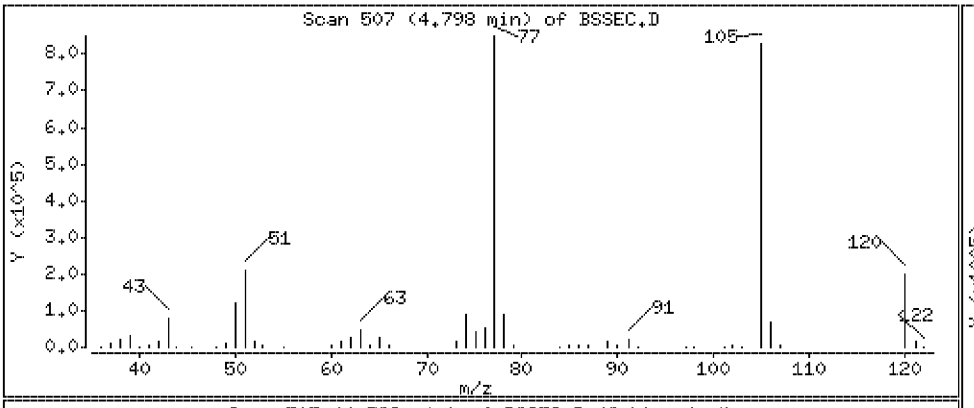
Operator: PEL

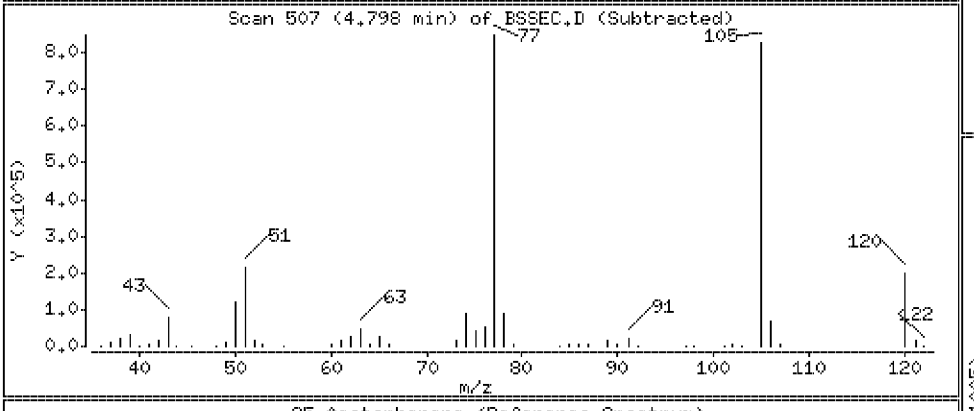
Column phase: HPMS-5

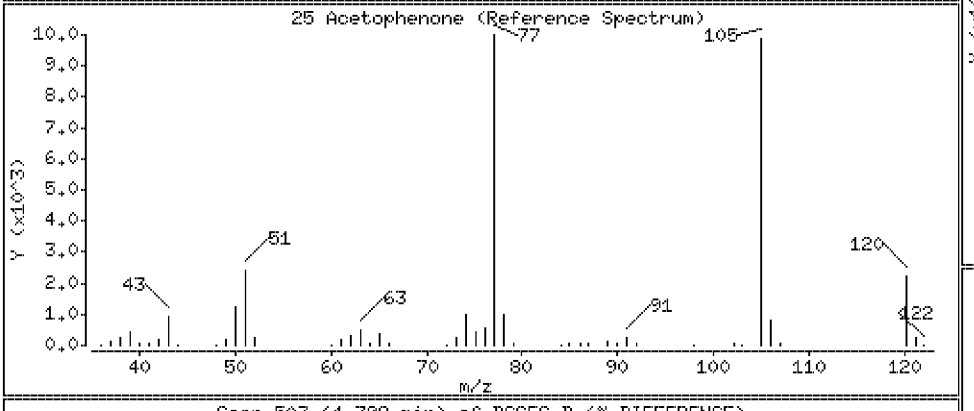
Column diameter: 0.25

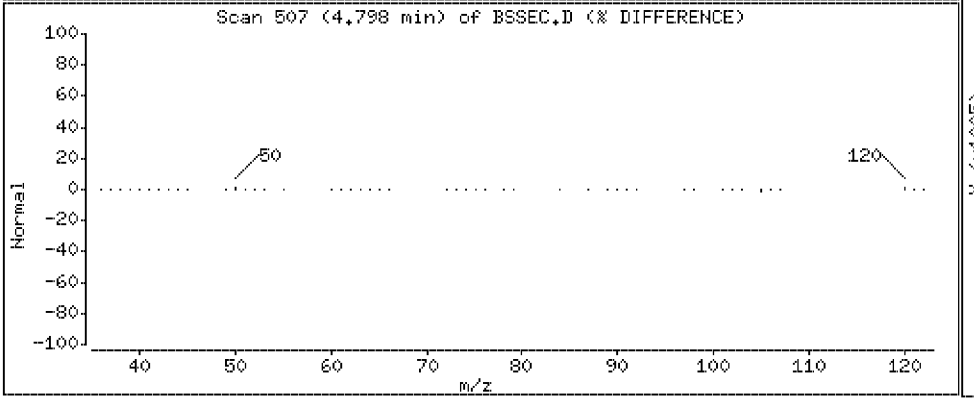
25 Acetophenone

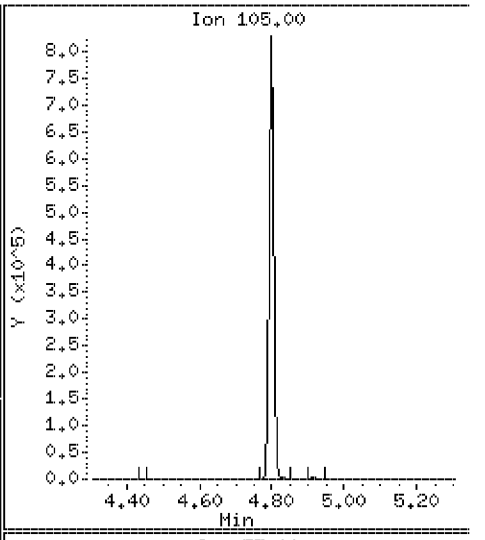
Concentration: 41.4 ug/l

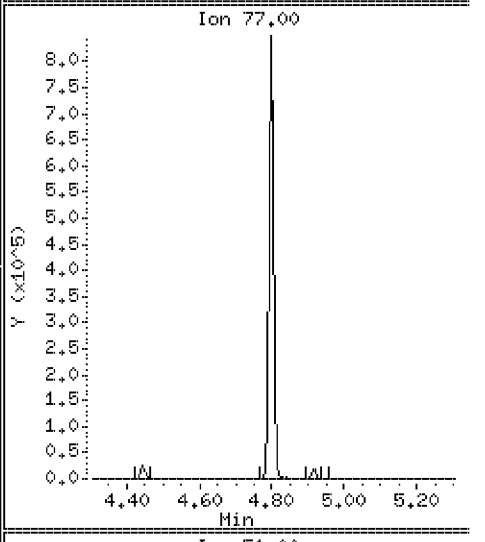


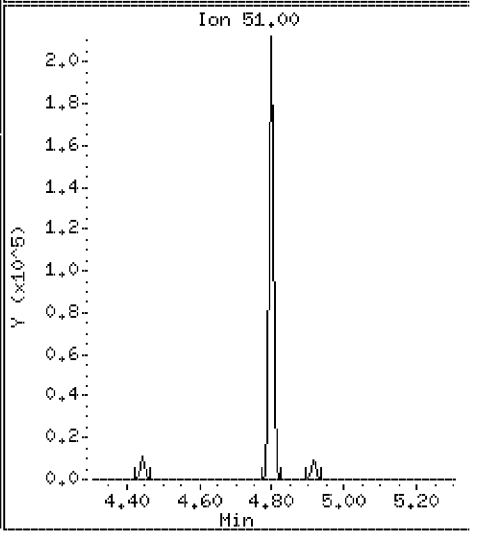












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

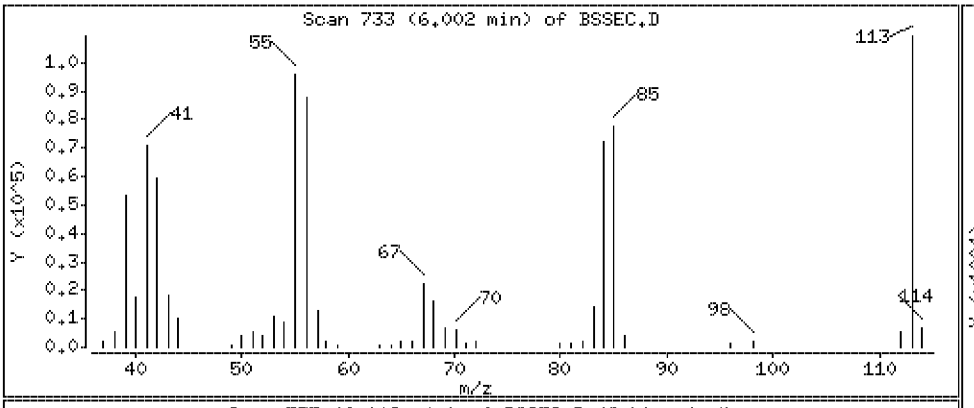
Operator: PEL

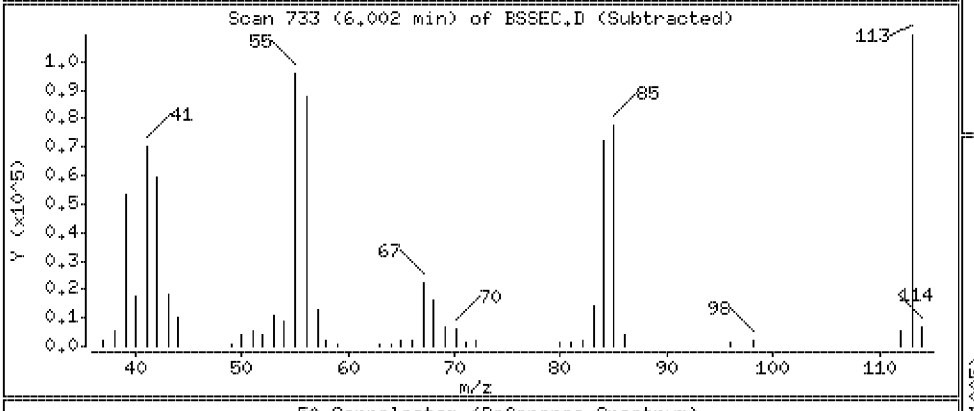
Column phase: HPMS-5

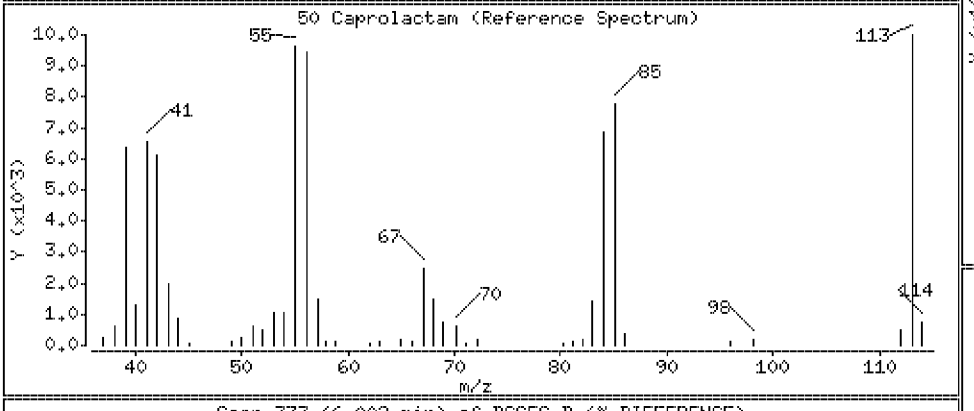
Column diameter: 0.25

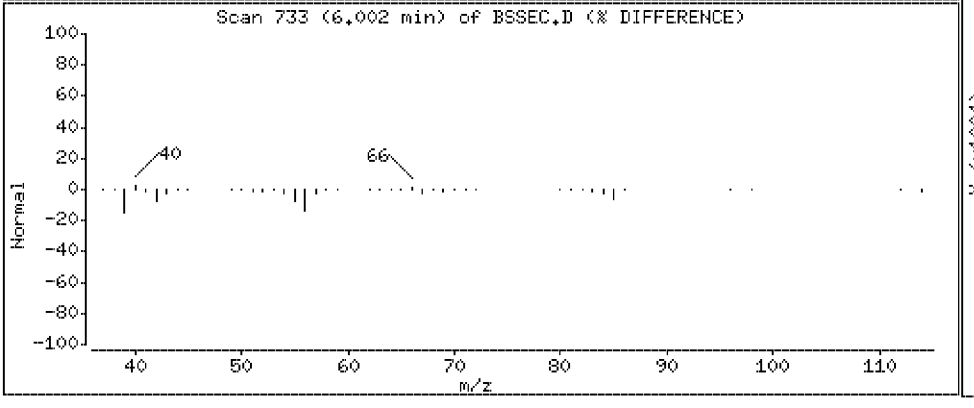
50 Caprolactam

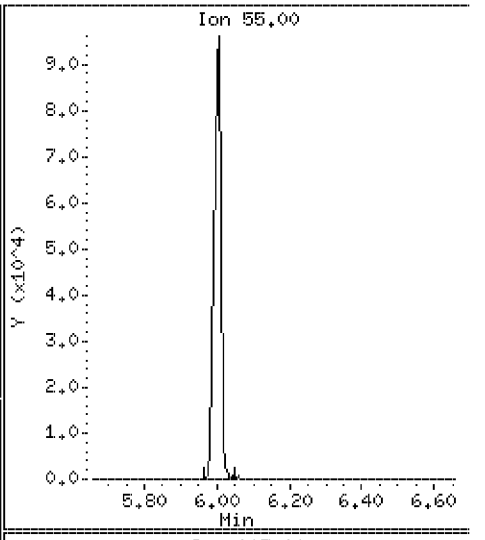
Concentration: 38.4 ug/l

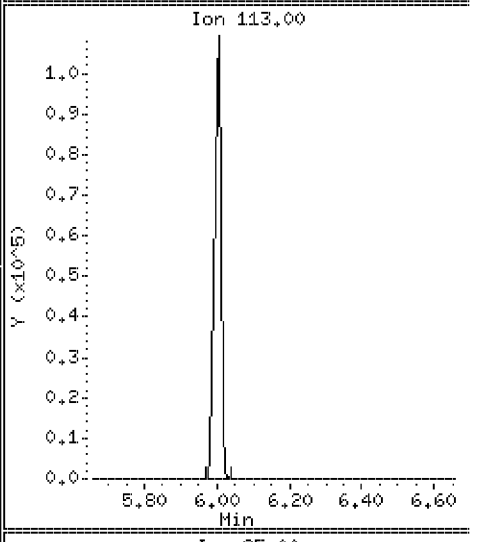


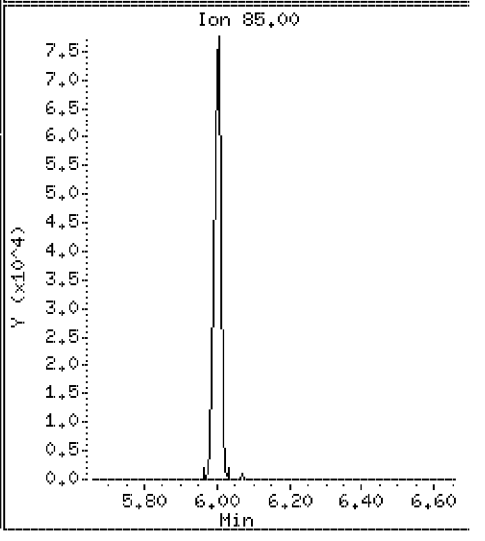












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

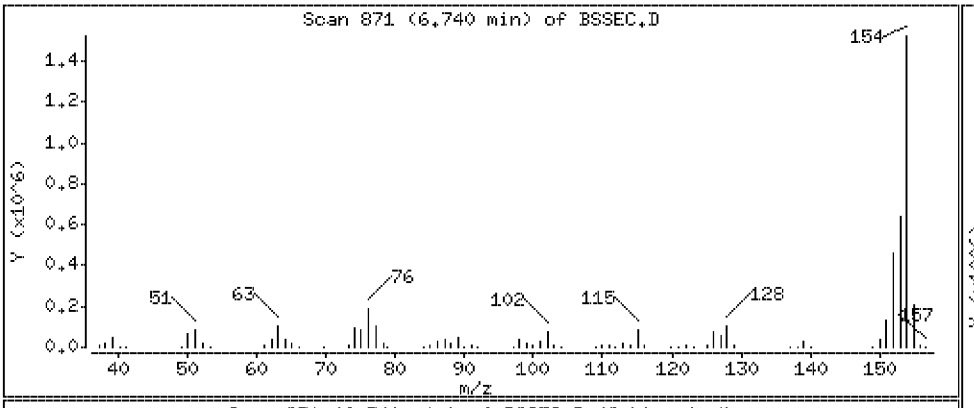
Operator: PEL

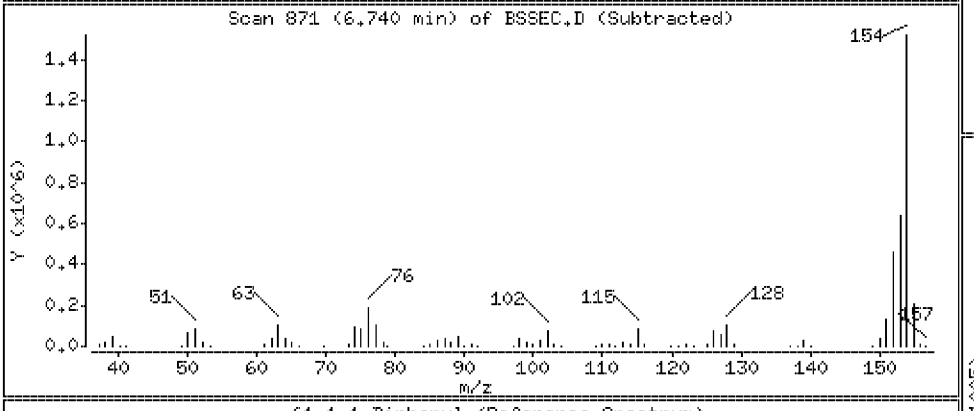
Column phase: HPMS-5

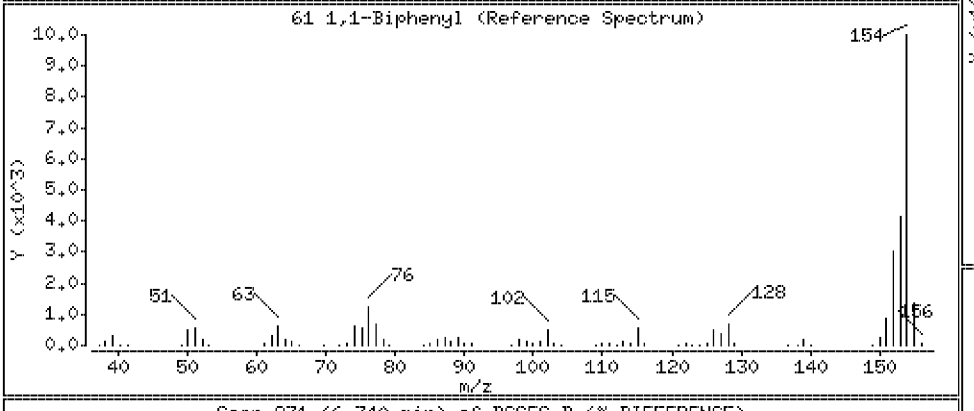
Column diameter: 0.25

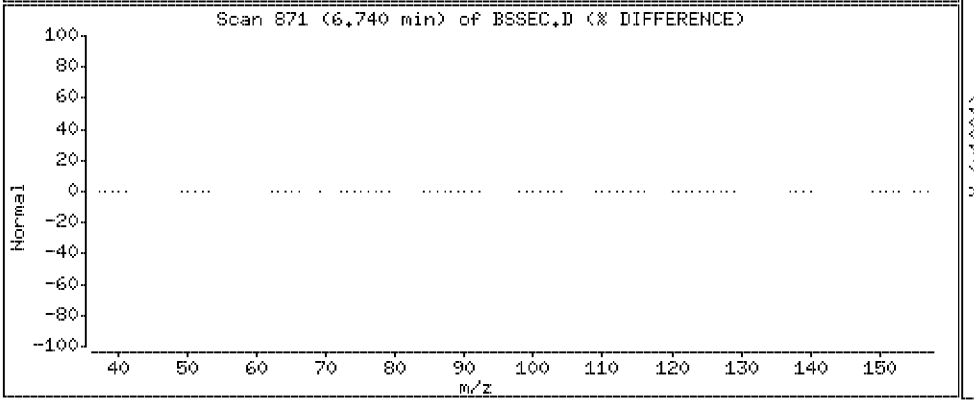
61 1,1-Biphenyl

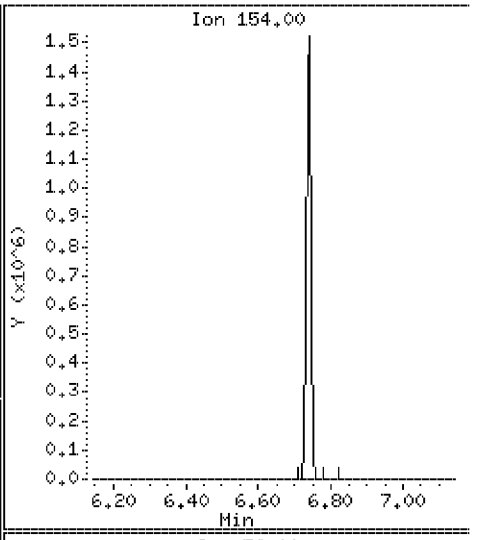
Concentration: 39.7 ug/l

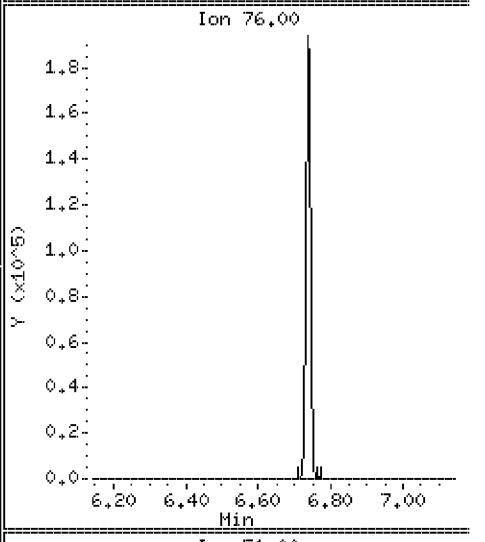


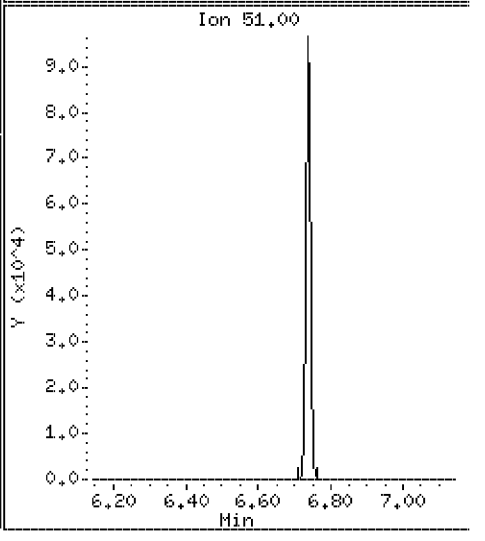












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

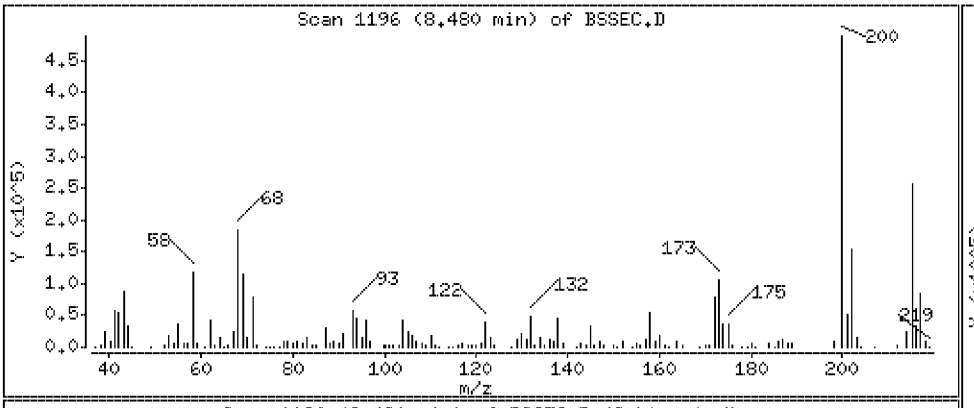
Operator: PEL

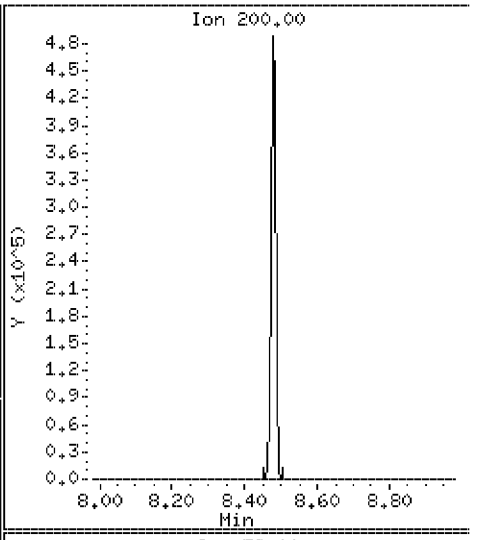
Column phase: HPMS-5

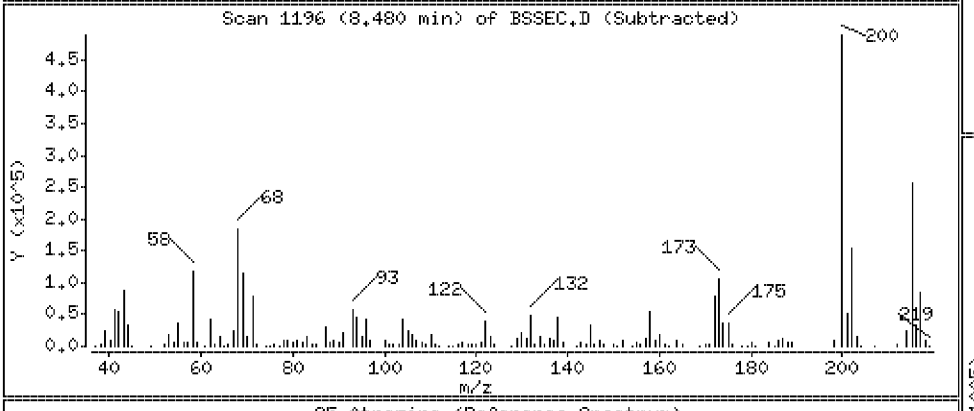
Column diameter: 0.25

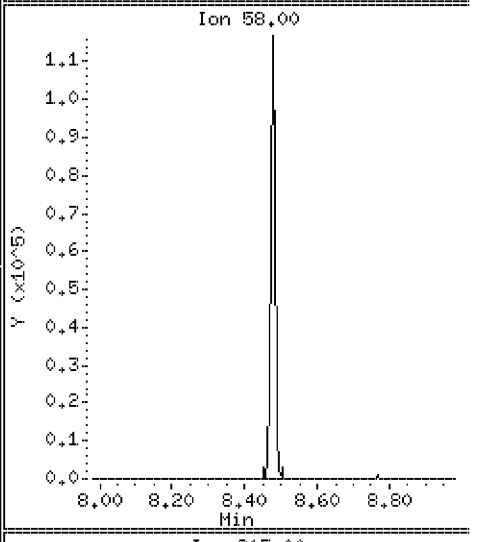
95 Atrazine

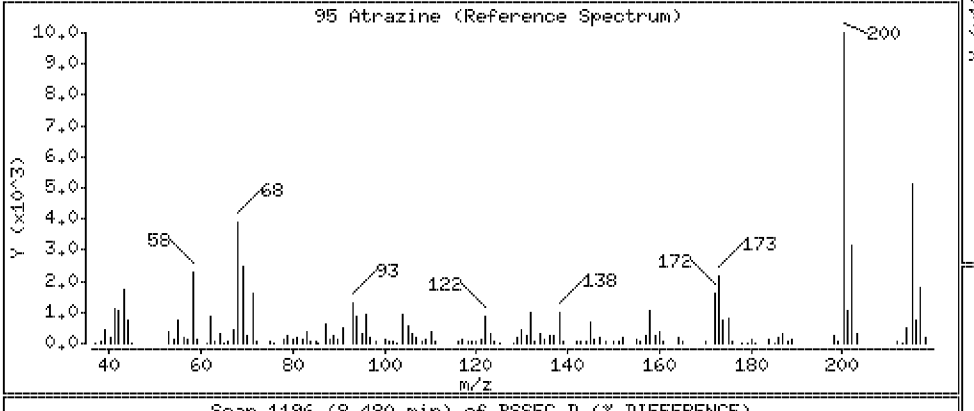
Concentration: 39.6 ug/l

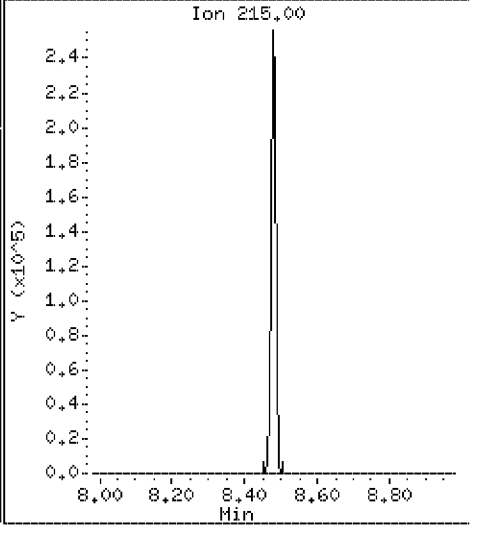


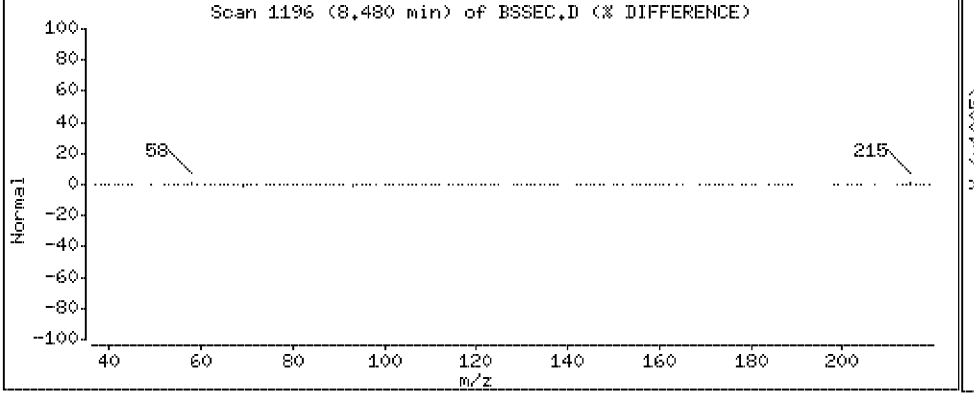












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\BSSEC.D

Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

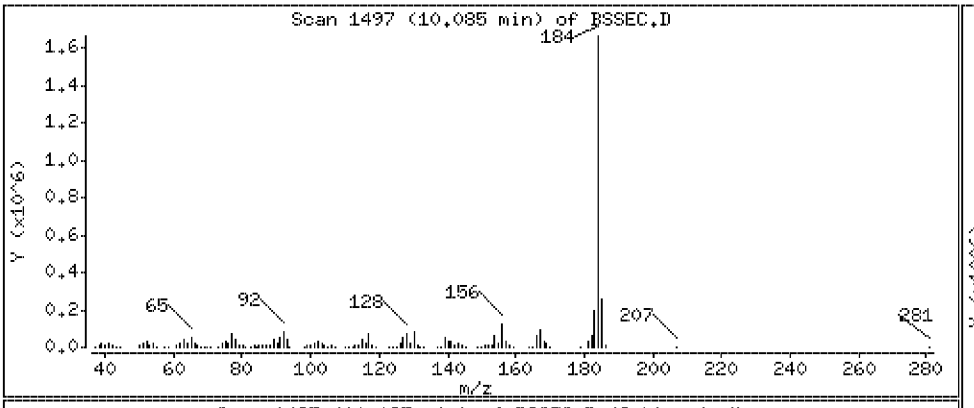
Operator: PEL

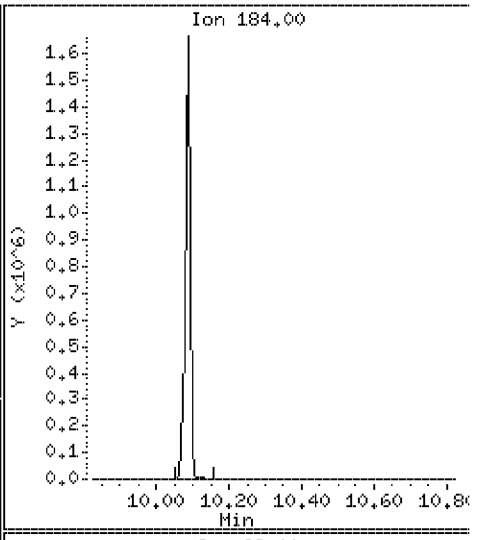
Column phase: HPMS-5

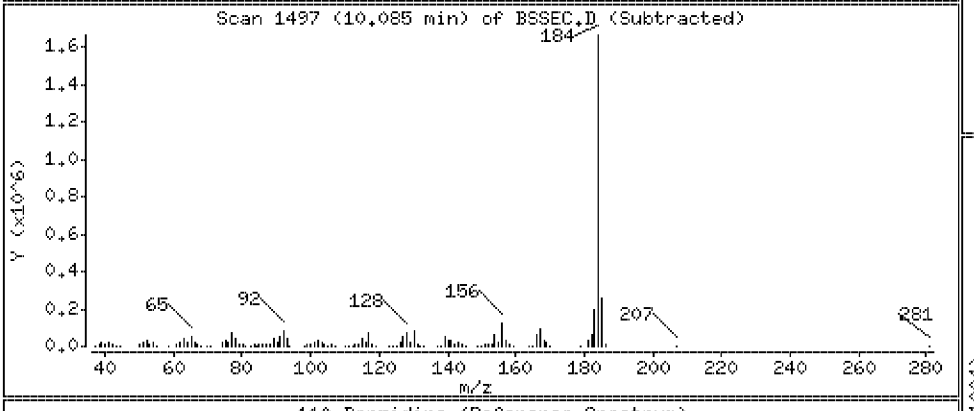
Column diameter: 0.25

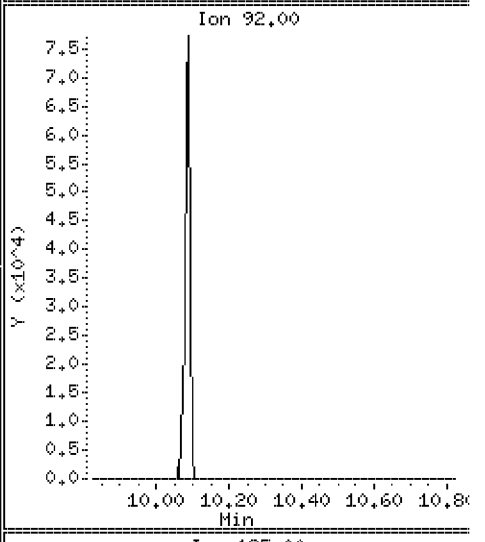
110 Benzidine

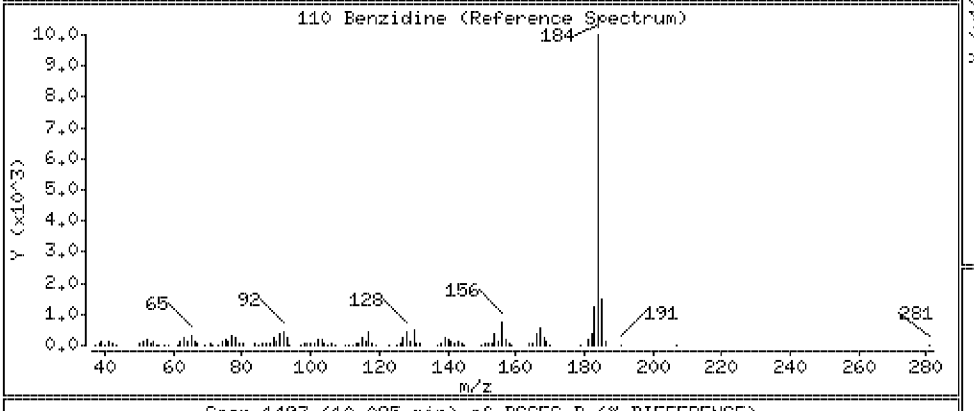
Concentration: 44.8 ug/l

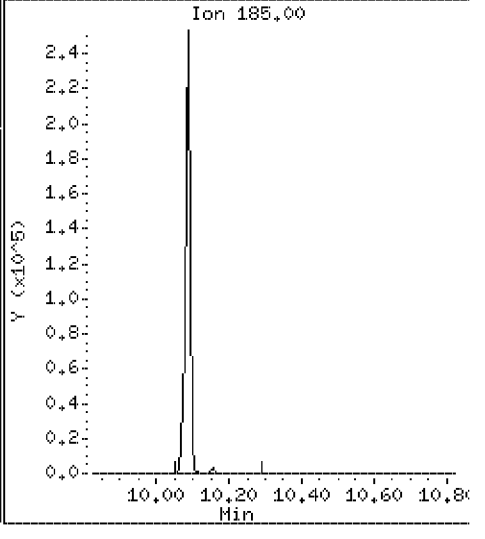


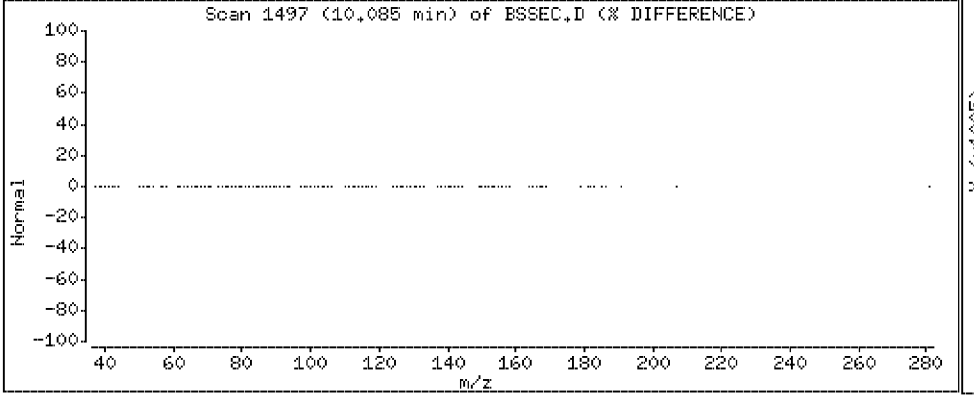












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Date : 23-APR-2012 16:42

Client ID: BSSEC

Instrument: smsd03.i

Sample Info: 44859

Purge Volume: 1000.0

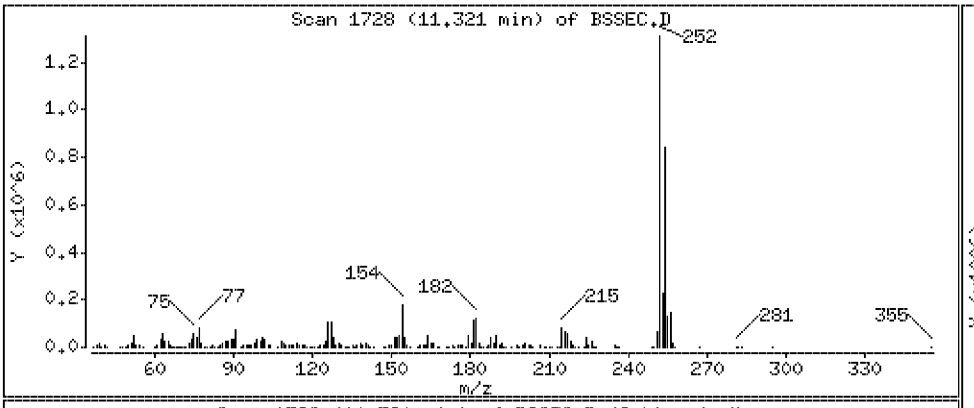
Operator: PEL

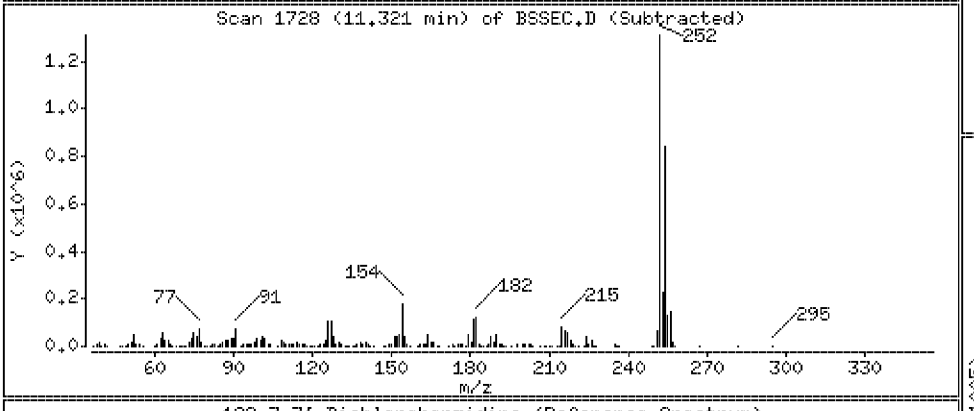
Column phase: HPMS-5

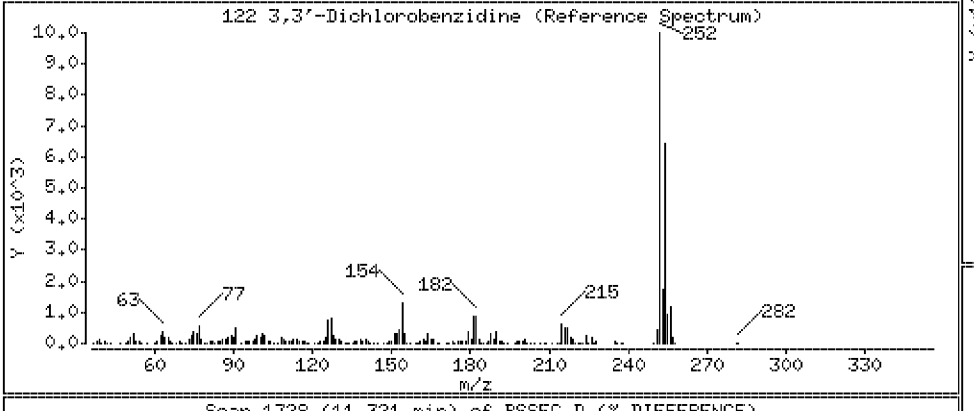
Column diameter: 0.25

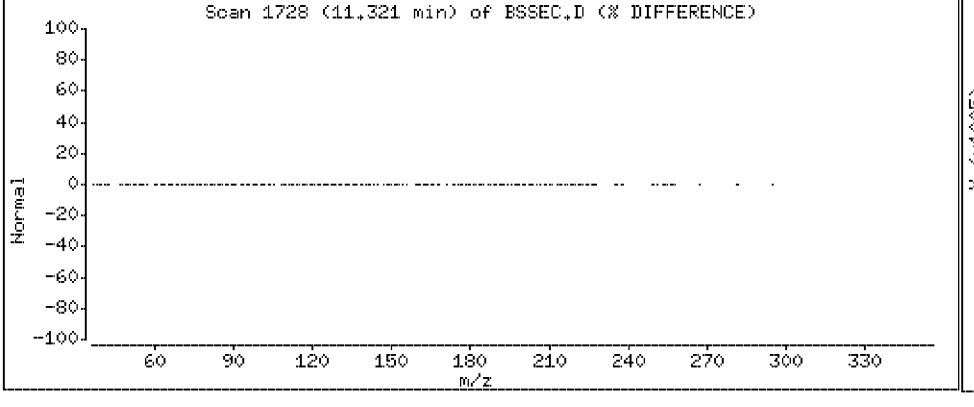
122 3,3'-Dichlorobenzidine

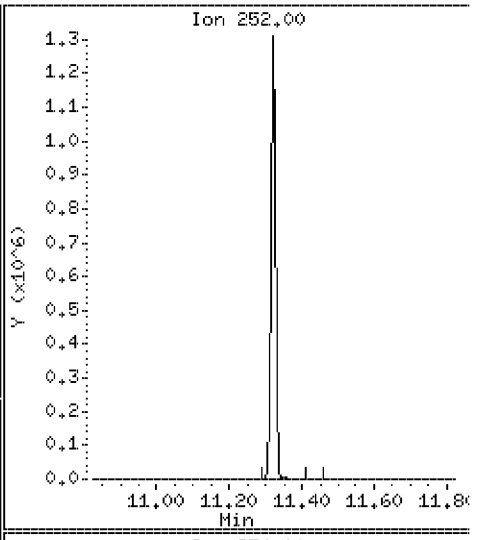
Concentration: 46.1 ug/l

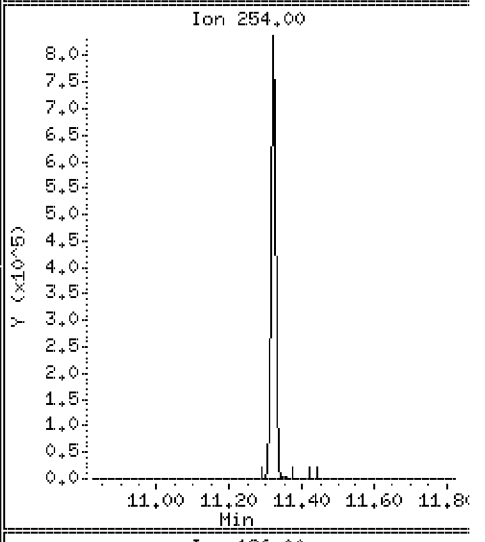


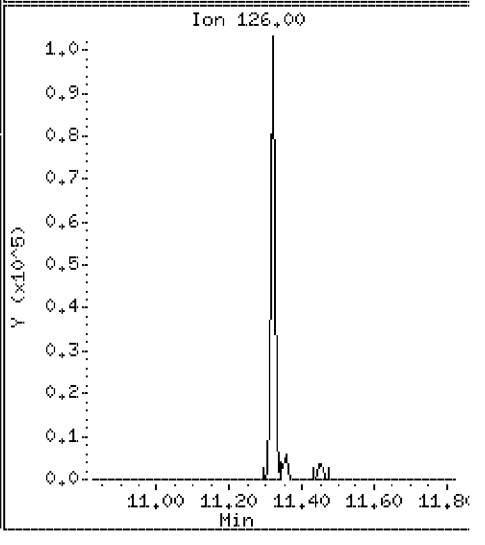












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D
Lab Smp Id: 45955 Client Smp ID: AP9CAL7
Inj Date : 23-APR-2012 17:06 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45955
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:06 Cal File: AP9CAL7.D
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	
3 2- Picoline							CAS #: 109-06-8		
2.927	3.382 (0.658)	93	1063275	100.000		106	70.00- 130.00	100.00	(TAQ)
2.926	3.382 (0.658)	66	538575				46.98- 106.98	50.65	
2.927	3.382 (0.658)	92	283488				941.44-1001.44	26.66	
4 N-Nitrosomethylethylamine							CAS #: 10595-95-6		
3.007	3.005 (0.676)	88	450421	100.000		105	80.00- 120.00	100.00	(A)
3.007	3.005 (0.676)	43	204803				16.66- 76.66	45.47	
3.007	3.005 (0.676)	42	432211				75.28- 135.28	95.96	
5 Methyl Methanesulfonate							CAS #: 66-27-3		
3.243	3.383 (0.729)	80	722934	100.000		102	70.00- 130.00	100.00	(AQ)
3.243	3.383 (0.729)	79	430164				41.30- 101.30	59.50	
3.243	3.383 (0.729)	65	194397				390.98- 450.98	26.89	
7 N-Nitrosodiethylamine							CAS #: 55-18-5		
3.554	3.383 (0.799)	102	467106	100.000		110	70.00- 130.00	100.00	(AQ)
3.554	3.383 (0.799)	42	308525				4947.35-5007.35	66.05	
3.554	3.383 (0.799)	57	197552				172953.97-173013.97	42.29	
8 Ethyl Methanesulfonate							CAS #: 62-50-0		
3.793	4.446 (0.853)	79	764256	100.000		104	70.00- 130.00	100.00	(TA)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.793	4.446	(0.853)	109	409536			103.08- 163.08	53.59
3.793	4.446	(0.853)	97	147229			71.09- 131.09	19.26
	12 Pentachloroethane						CAS #: 76-01-7	
4.208	4.207	(0.946)	167	458302	100.000	109	80.00- 120.00	100.00(A)
4.207	4.207	(0.946)	117	332036			42.54- 102.54	72.45
4.207	4.207	(0.946)	130	191818			11.81- 71.81	41.85
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.447	4.448	(1.000)	152	274645	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	175115			32.20- 92.20	63.76
4.447	4.448	(1.000)	150	406605			139.77- 199.77	148.05
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.797	4.944	(1.079)	100	514011	100.000	115	70.00- 130.00	100.00(AQ)
4.795	4.944	(1.078)	41	340573			349.38- 409.38	66.26
4.796	4.944	(1.079)	42	319956			7836.39-7896.39	62.25
	25 Acetophenone						CAS #: 98-86-2	
4.804	4.807	(0.857)	105	1435155	100.000	108	70.00- 130.00	100.00(AQ)
4.804	4.807	(0.856)	77	1434285			4410.01-4470.01	99.94
4.803	4.807	(0.856)	51	366172			1262.06-1322.06	25.51
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.826	4.446	(1.085)	56	512079	100.000	112	70.00- 130.00	100.00(TAQ)
4.826	4.446	(1.085)	116	183270			116.25- 176.25	35.79
4.826	4.446	(1.085)	86	355814			171.65- 231.65	69.48
	29 o-Toluidine						CAS #: 95-53-4	
4.841	4.814	(1.089)	106	1617833	100.000	111	70.00- 130.00	100.00(AQ)
4.841	4.814	(1.089)	77	380737			36058.41-36118.41	23.53
4.841	4.814	(1.089)	107	1195112			76505.71-76565.71	73.87
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.100	4.798	(0.909)	114	442451	100.000	109	70.00- 130.00	100.00(AQ)
5.099	4.798	(0.909)	42	493644			3934.42-3994.42	111.57
5.099	4.798	(0.909)	55	251916			491.51- 551.51	56.94
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.340	5.338	(1.201)	198	753869	100.000	114	80.00- 120.00	100.00(A)
5.339	5.338	(1.201)	97	488454			34.93- 94.93	64.79
5.338	5.338	(1.200)	65	393872			24.79- 84.79	52.25
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.443	5.370	(0.971)	58	1534331	100.000	108	70.00- 130.00	100.00(AQM)
5.444	5.370	(0.971)	91	463288			64.34- 124.34	30.19
5.444	5.370	(0.971)	65	259635			12409.05-12469.05	16.92
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.609	5.610	(1.000)	136	932177	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	49200			0.00- 35.51	5.28

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.696	5.691	(1.016)	162	873368	100.000	112	70.00- 130.00	100.00(A)
5.695	5.691	(1.015)	63	622340			8424.37-8484.37	71.26
5.695	5.691	(1.015)	98	240489			164.07- 224.07	27.54
47 Hexachloropropene						CAS #: 1888-71-7		
5.713	5.712	(1.019)	213	1136925	100.000	110	80.00- 120.00	100.00(A)
5.713	5.712	(1.019)	215	737250			34.61- 94.61	64.85
5.713	5.712	(1.019)	117	238389			0.00- 50.39	20.97
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.997	6.287	(1.069)	84	847227	100.000	113	70.00- 130.00	100.00(AQ)
5.997	6.287	(1.069)	57	495794			1288.18-1348.18	58.52
5.996	6.287	(1.069)	41	417479			66.46- 126.46	49.28
52 Isosafrole						CAS #: 120-58-1		
6.203	6.619	(1.106)	162	848504	100.000	112	70.00- 130.00	100.00(TAQ)
6.202	6.619	(1.106)	104	619201			0.00- 46.22	72.98
6.202	6.619	(1.106)	131	421879			37.69- 97.69	49.72
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.454	6.452	(0.884)	216	1334082	100.000	108	80.00- 120.00	100.00(A)
6.454	6.452	(0.884)	214	1059200			48.19- 108.19	79.40
6.453	6.452	(0.883)	108	242682			0.00- 47.81	18.19
60 Safrole						CAS #: 94-59-7		
6.704	6.619	(1.195)	162	810742	100.000	114	70.00- 130.00	100.00(AQ)
6.704	6.619	(1.195)	104	506846			0.00- 46.22	62.52
6.704	6.619	(1.195)	77	321233			0.00- 57.00	39.62
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.935	6.642	(0.949)	158	769946	100.000	111	70.00- 130.00	100.00(AQ)
6.934	6.642	(0.949)	102	642799			523.56- 583.56	83.49
6.934	6.642	(0.949)	130	341277			0.00- 46.52	44.32
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.072	7.368	(0.968)	168	365922	100.000	111	70.00- 130.00	100.00(AQ)
7.072	7.368	(0.968)	75	459984			98.40- 158.40	125.71
7.071	7.368	(0.968)	50	258424			177.84- 237.84	70.62
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.304	7.305	(1.000)	164	648924	40.0000		80.00- 120.00	100.00
7.304	7.305	(1.000)	162	619314			64.73- 124.73	95.44
7.304	7.305	(1.000)	160	281073			12.46- 72.46	43.31
73 Pentachlorobenzene						CAS #: 608-93-5		
7.470	7.467	(1.023)	250	1321477	100.000	110	80.00- 120.00	100.00(A)
7.470	7.467	(1.023)	252	887101			34.92- 94.92	67.13
7.468	7.467	(1.022)	108	361543			0.00- 56.94	27.36
77 1-Naphthylamine						CAS #: 134-32-7		
7.584	7.837	(1.038)	143	1187709	100.000	105	70.00- 130.00	100.00(AQ)
7.584	7.837	(1.038)	115	679901			7143.21-7203.21	57.24

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
77 1-Naphthylamine (continued)								
7.584	7.837	(1.038)	89	135782			2068.79-2128.79	11.43
78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2		
7.639	7.634	(1.046)	232	758159	100.000	115	70.00- 130.00	100.00(A)
7.638	7.634	(1.046)	168	205381			42.05- 102.05	27.09
7.638	7.634	(1.046)	131	314637			9.10- 69.10	41.50
79 2-Naphthylamine						CAS #: 91-59-8		
7.665	7.837	(1.049)	143	1569844	100.000	106	70.00- 130.00	100.00(AQ)
7.664	7.837	(1.049)	115	902224			7143.21-7203.21	57.47
7.665	7.837	(1.049)	116	355711			667.96- 727.96	22.66
83 5-Nitro-ortho-toluidine						CAS #: 99-55-8		
7.862	7.896	(1.076)	152	629387	100.000	109	70.00- 130.00	100.00(AQ)
7.862	7.896	(1.076)	106	464571			505.60- 565.60	73.81
7.861	7.896	(1.076)	77	792000			735.48- 795.48	125.84
90 1,3,5-Trinitrobenzene						CAS #: 99-35-4		
8.225	8.152	(1.126)	75	1687776	100.000	102	70.00- 130.00	100.00(AQ)
8.225	8.152	(1.126)	74	1073695			50.14- 110.14	63.62
8.226	8.152	(1.126)	213	664696			40.88- 100.88	39.38
89 Diallate						CAS #: 2303-16-4		
8.232	8.081	(1.127)	86	953832	100.000	118	70.00- 130.00	100.00(AQM)
8.232	8.081	(1.127)	43	886763			0.00- 38.70	92.97
8.237	8.081	(1.128)	234	648083			0.00- 39.00	67.95
92 Phenacetin						CAS #: 62-44-2		
8.277	8.384	(0.945)	109	1034076	100.000	103	70.00- 130.00	100.00(AQ)
8.277	8.384	(0.945)	108	1168639			77.38- 137.38	113.01
8.277	8.384	(0.945)	179	698071			133.19- 193.19	67.51
91 p-Phenylenediamine						CAS #: 106-50-3		
8.277	8.082	(0.945)	108	1168639	100.000	106	70.00- 130.00	100.00(A)
8.276	8.082	(0.945)	80	329795			1858.68-1918.68	28.22
8.276	8.082	(0.944)	53	148213			5306.16-5366.16	12.68
97 Pentachloronitrobenzene						CAS #: 82-68-8		
8.592	8.589	(0.981)	237	553543	100.000	107	80.00- 120.00	100.00(A)
8.593	8.589	(0.981)	295	224022			7.36- 67.36	40.47
8.590	8.589	(0.980)	142	397152			42.99- 102.99	71.75
98 4-Aminobiphenyl						CAS #: 92-67-1		
8.581	8.584	(0.979)	169	2513792	100.000	101	70.00- 130.00	100.00(AQ)
8.581	8.584	(0.979)	168	600675			0.00- 49.63	23.90
8.580	8.584	(0.979)	115	317101			0.00- 40.98	12.61
99 Pronamide						CAS #: 23950-58-5		
8.639	8.781	(0.986)	173	1309518	100.000	105	70.00- 130.00	100.00(AQ)
8.639	8.781	(0.986)	175	863701			2051.90-2111.90	65.96
8.639	8.781	(0.986)	145	511955			63.94- 123.94	39.09

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.762	8.761	(1.000)	188	1445152	40.0000		80.00- 120.00	100.00
8.761	8.761	(1.000)	94	95385			0.00- 36.35	6.60
8.761	8.761	(1.000)	80	133936			0.00- 37.82	9.27
102 Dinoseb							CAS #: 88-85-7	
8.758	8.753	(1.000)	211	863563	100.000	100	80.00- 120.00	100.00(A)
8.758	8.753	(1.000)	163	340033			7.77- 67.77	39.38
8.757	8.753	(0.999)	117	196302			0.00- 52.05	22.73
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.551	9.334	(1.090)	174	26907	100.000	99.6	70.00- 130.00	100.00(QM)
9.549	9.334	(1.090)	128	65857			429.24- 489.24	244.76
9.549	9.334	(1.090)	101	117428			988.96-1048.96	436.42
107 Methapyrilene							CAS #: 91-80-5	
9.612	10.322	(1.097)	97	53312	100.000	110	70.00- 130.00	100.00(TAQ)
9.611	10.322	(1.097)	58	52845			11.52- 71.52	99.12
9.612	10.322	(1.097)	191	9333			0.00- 52.18	17.51
108 Isodrin							CAS #: 465-73-6	
9.803	10.279	(1.119)	193	459152	100.000	104	70.00- 130.00	100.00(AQ)
9.802	10.279	(1.119)	66	400121			17952.44-18012.44	87.14
9.803	10.279	(1.119)	195	394973			1135.23-1195.23	86.02
113 Aramite							CAS #: 140-57-8	
10.374	10.370	(0.914)	185	421596	100.000	107	80.00- 120.00	100.00(AM)
10.374	10.370	(0.914)	191	219555			21.78- 81.78	52.08
10.299	10.370	(0.907)	319	156882			6.67- 66.67	37.21
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.465	10.323	(0.922)	225	1106438	100.000	114	70.00- 130.00	100.00(AQ)
10.464	10.323	(0.922)	120	1041345			99.50- 159.50	94.12
10.464	10.323	(0.922)	77	1071168			9.48- 69.48	96.81
115 Chlorobenzilate							CAS #: 510-15-6	
10.507	10.503	(0.925)	251	1721851	100.000	114	80.00- 120.00	100.00(A)
10.508	10.503	(0.925)	253	1163259			35.78- 95.78	67.56
10.506	10.503	(0.925)	139	1535478			60.72- 120.72	89.18
116 Kepone							CAS #: 143-50-0	
10.849	10.840	(0.955)	272	251870	100.000	98.0	80.00- 120.00	100.00(QM)
10.849	10.840	(0.955)	274	190307			51.74- 111.74	75.56
11.100	10.840	(0.978)	237	349217			0.00- 59.52	138.65
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.796	10.799	(0.951)	212	2806332	100.000	95.0	70.00- 130.00	100.00(Q)
10.796	10.799	(0.951)	106	211325			2299.94-2359.94	7.53
10.796	10.799	(0.951)	180	231121			6.44- 66.44	8.24
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.049	10.324	(0.973)	181	2024237	100.000	119	70.00- 130.00	100.00(TAQ)
11.050	10.324	(0.973)	223	1310915			491.83- 551.83	64.76

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO	
	119 2-Acetylaminofluorene (continued)								
11.049	10.324	(0.973)	180	1704198			639.65- 699.65	84.19	
* 121 Chrysene-d12							CAS #: 1719-03-5		
11.355	11.359	(1.000)	240	1652208	40.0000		80.00- 120.00	100.00	
11.353	11.359	(1.000)	120	88837			0.00- 36.38	5.38	
11.355	11.359	(1.000)	236	440779			0.00- 57.06	26.68	
	126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.326	12.088	(0.972)	256	2694774	100.000	115	70.00- 130.00	100.00	(AQ)
12.326	12.088	(0.972)	241	1601246			77.87- 137.87	59.42	
12.326	12.088	(0.972)	239	1320115			73.24- 133.24	48.99	
* 130 Perylene-d12							CAS #: 1520-96-3		
12.681	12.682	(1.000)	264	1650138	40.0000		80.00- 120.00	100.00	
12.680	12.682	(1.000)	260	408564			0.00- 54.80	24.76	
12.680	12.682	(1.000)	265	375387			0.00- 53.39	22.75	
	131 3-Methylcholanthrene						CAS #: 56-49-5		
12.955	12.847	(1.022)	268	2981313	100.000	113	70.00- 130.00	100.00	(A)
12.955	12.847	(1.022)	252	1342270			13.23- 73.23	45.02	
12.955	12.847	(1.022)	253	1134420			6.61- 66.61	38.05	
	132 Dibenz(a,j)acridine						CAS #: 224-42-0		
13.548	13.755	(1.068)	279	3937425	100.000	103	70.00- 130.00	100.00	(AQ)
13.548	13.755	(1.068)	280	1018095			0.00- 41.79	25.86	
13.548	13.755	(1.068)	277	652913			93.47- 153.47	16.58	

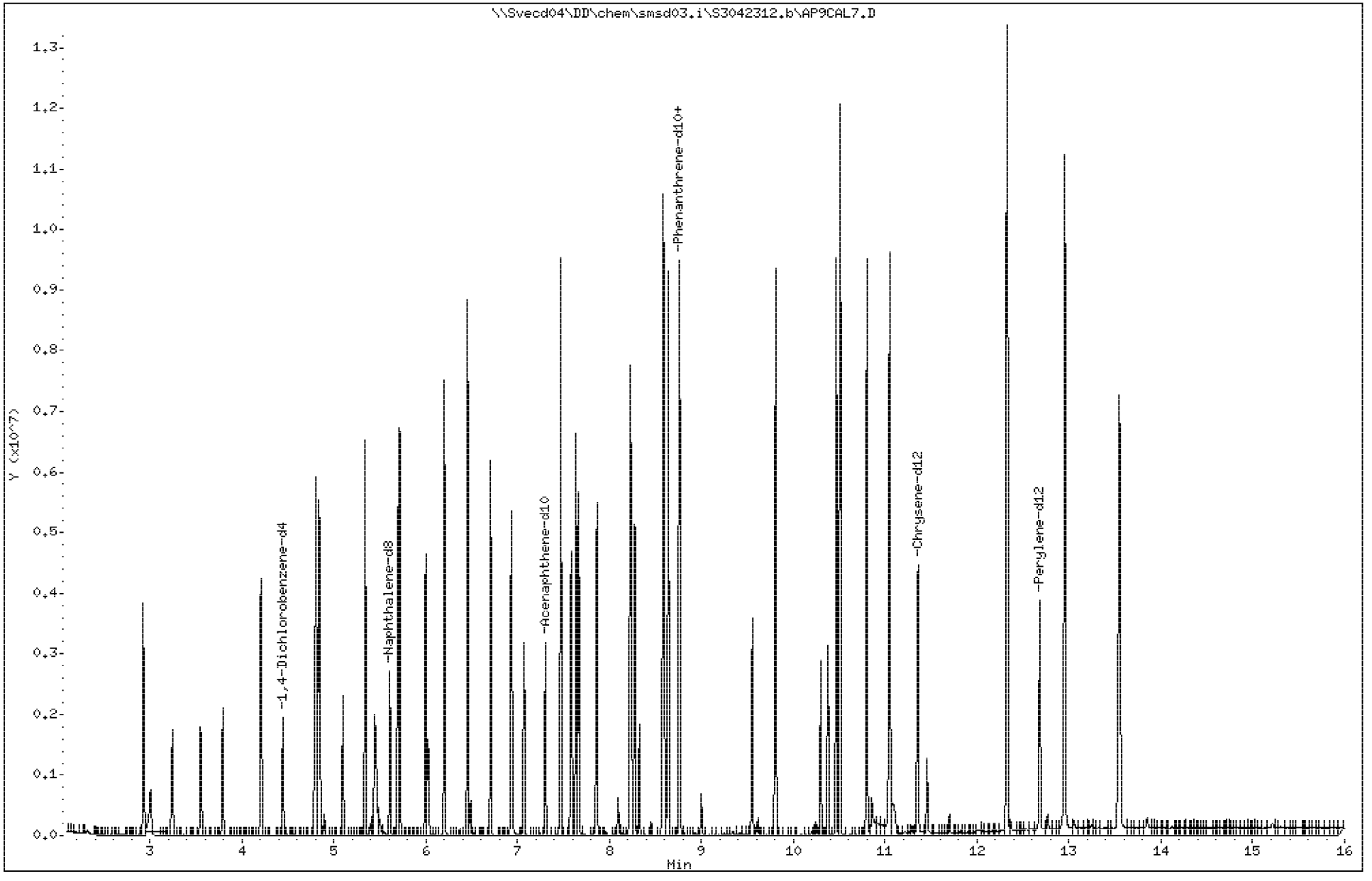
QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D
Date : 23-APR-2012 17:06
Client ID: AP9CAL7
Instrument: smsd03.i
Sample Info: 45955
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1617

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

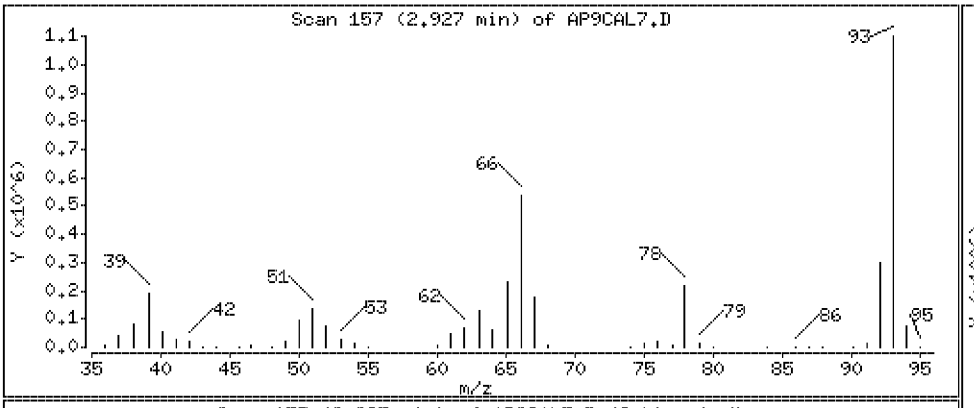
Operator: PEL

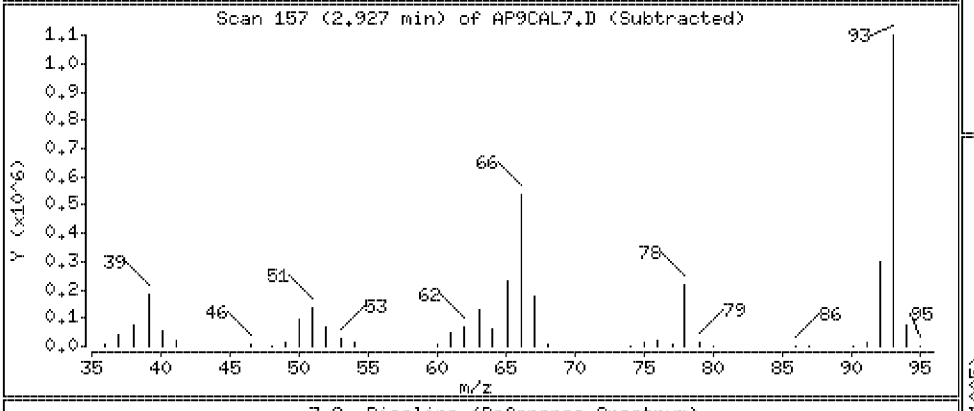
Column phase: HPMS-5

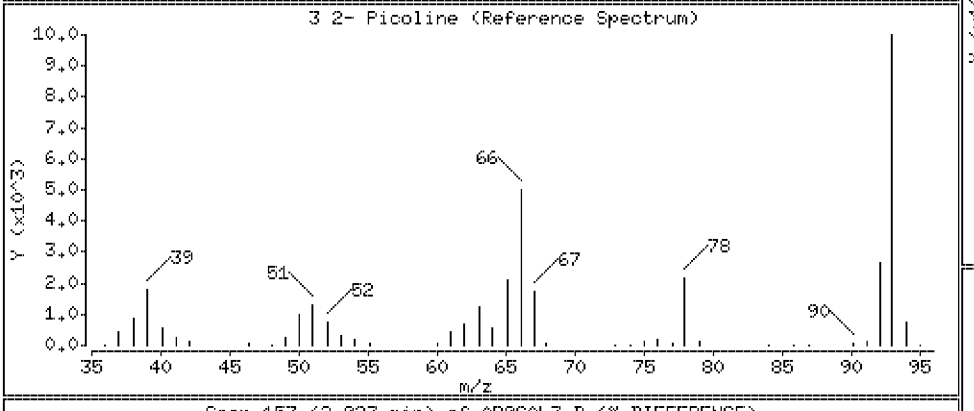
Column diameter: 0.25

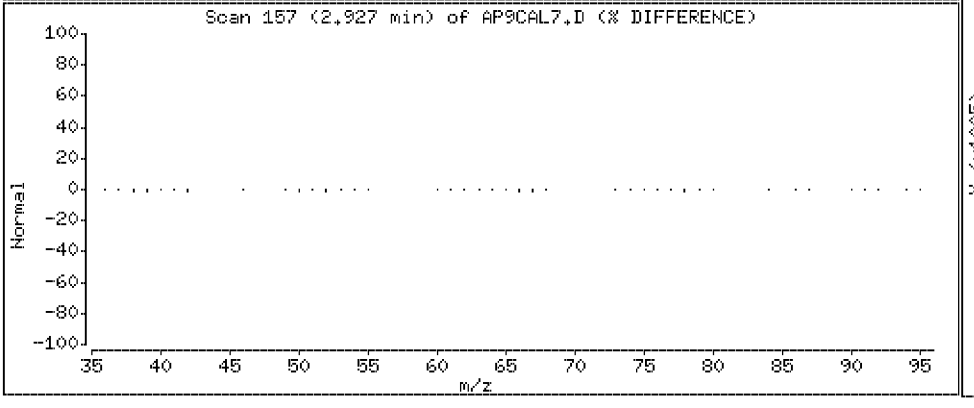
3 2- Picoline

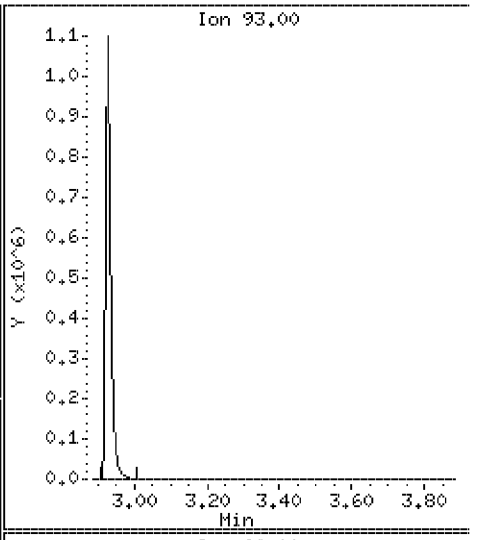
Concentration: 106 ug/l

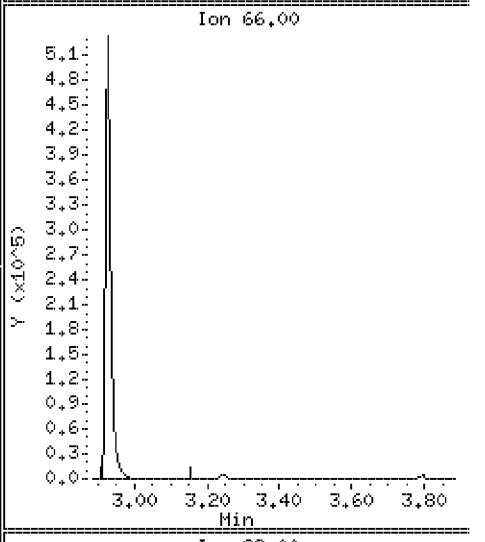


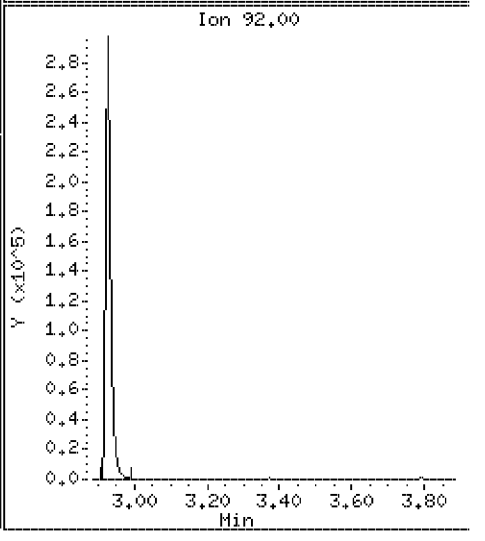












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

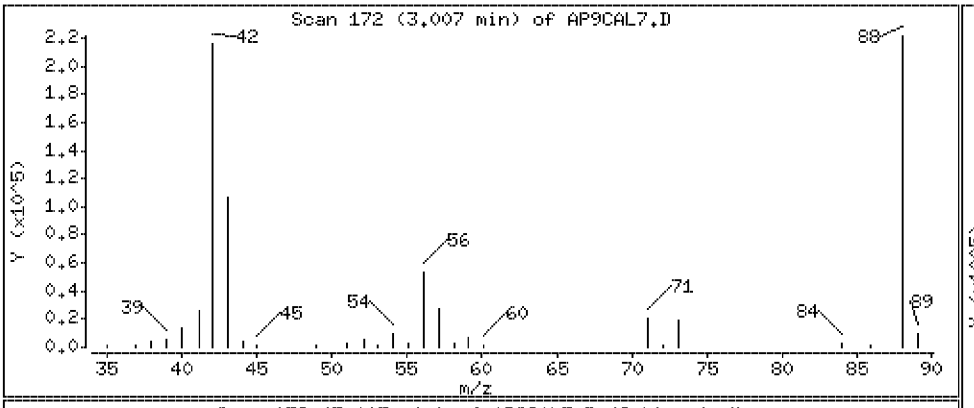
Operator: PEL

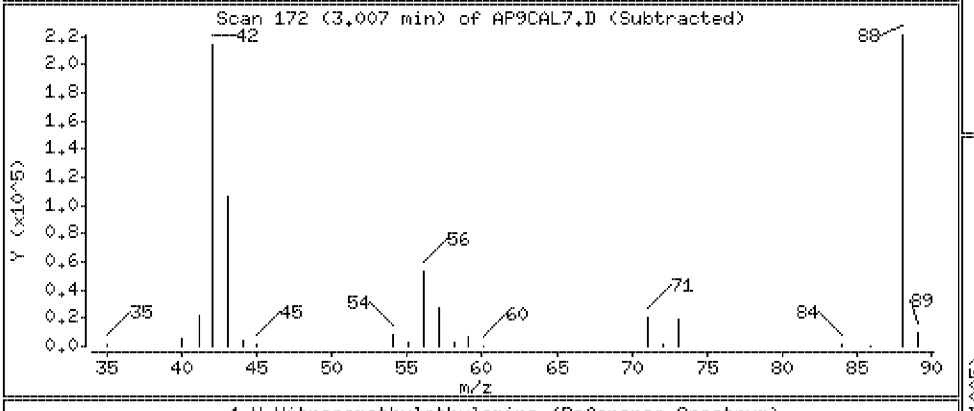
Column phase: HPMS-5

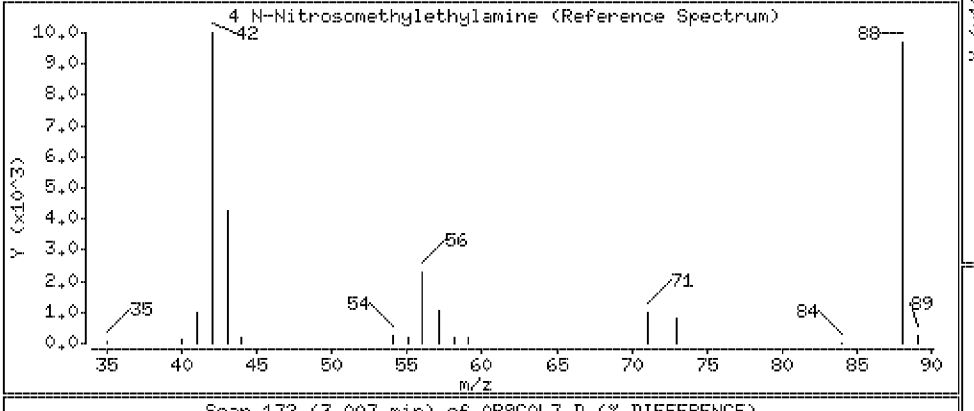
Column diameter: 0.25

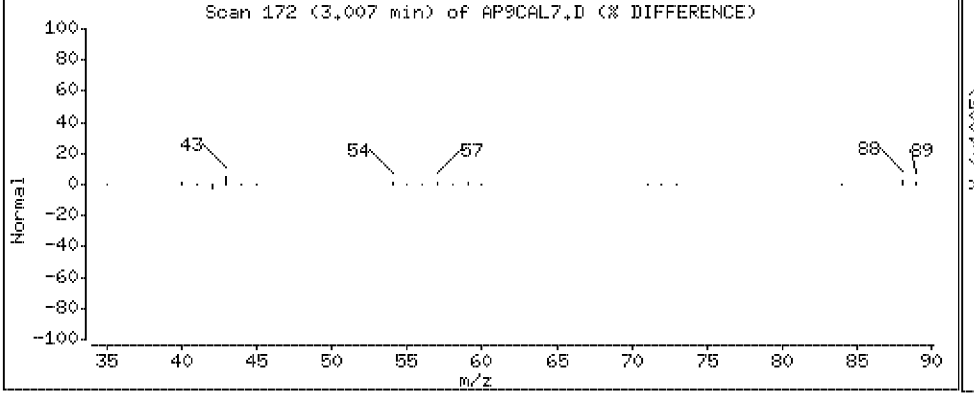
4 N-Nitrosomethylethylamine

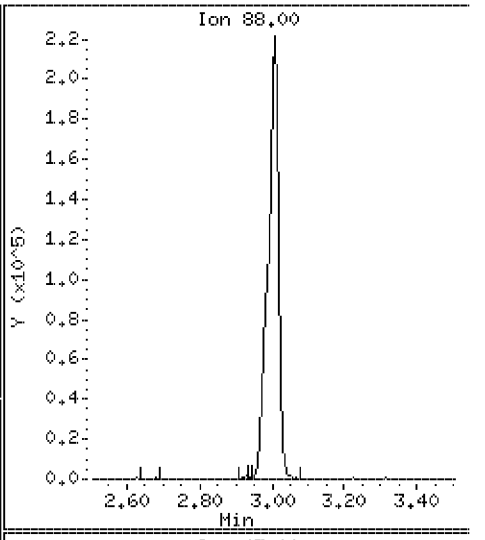
Concentration: 105 ug/l

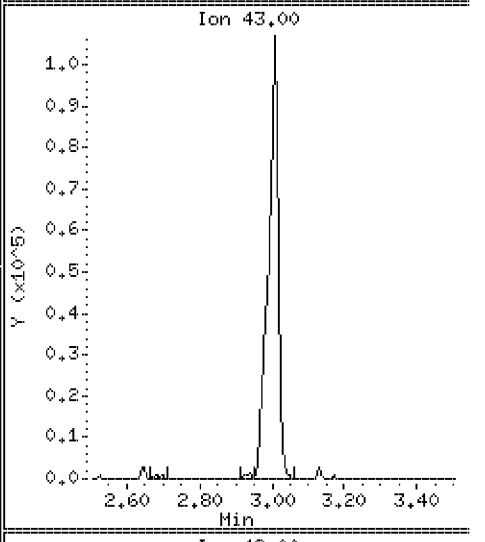


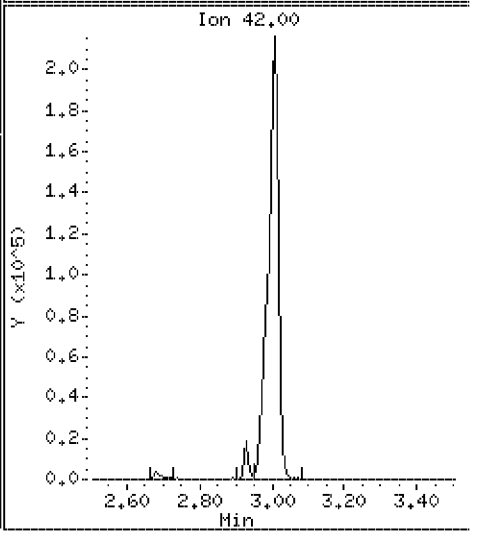












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

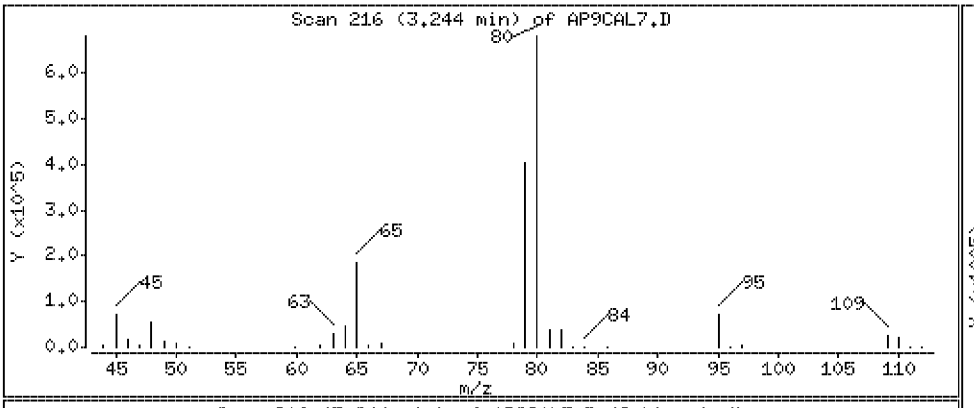
Operator: PEL

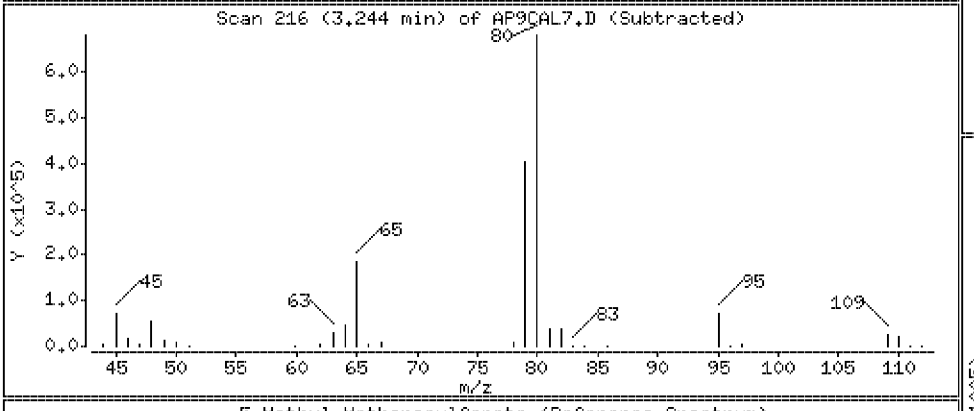
Column phase: HPMS-5

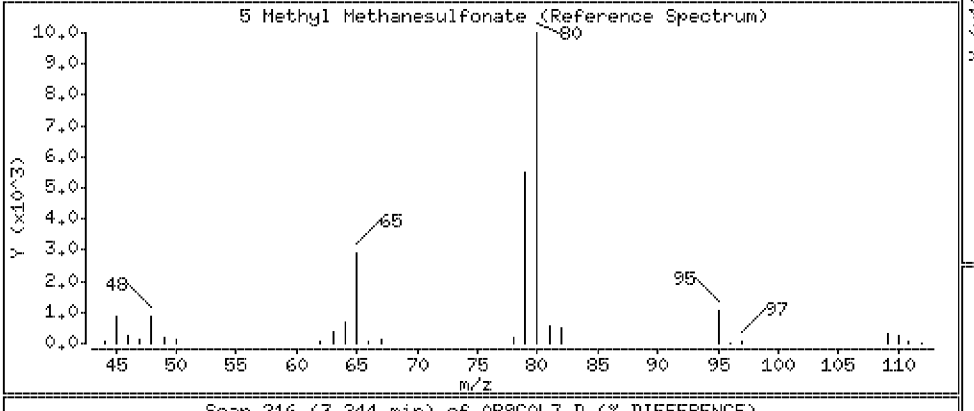
Column diameter: 0.25

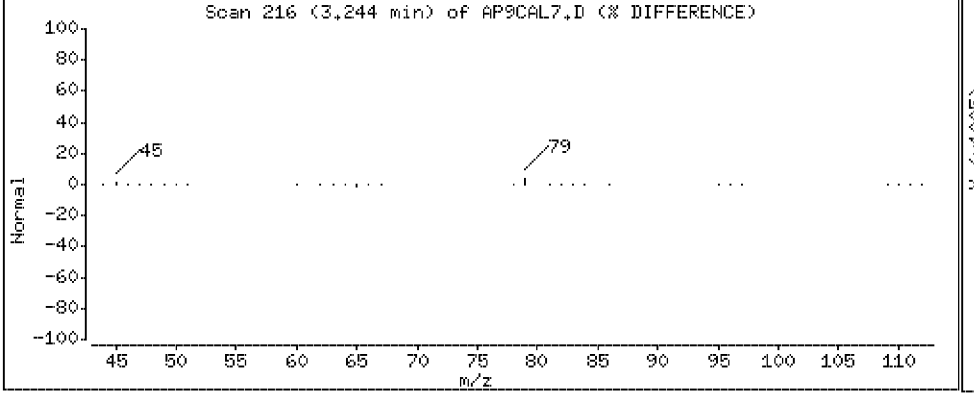
5 Methyl Methanesulfonate

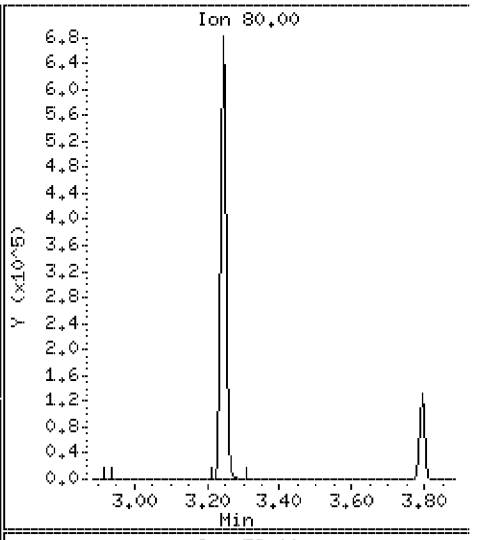
Concentration: 102 ug/l

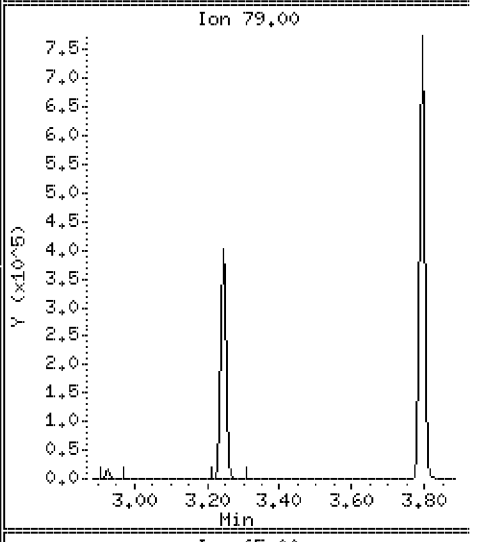


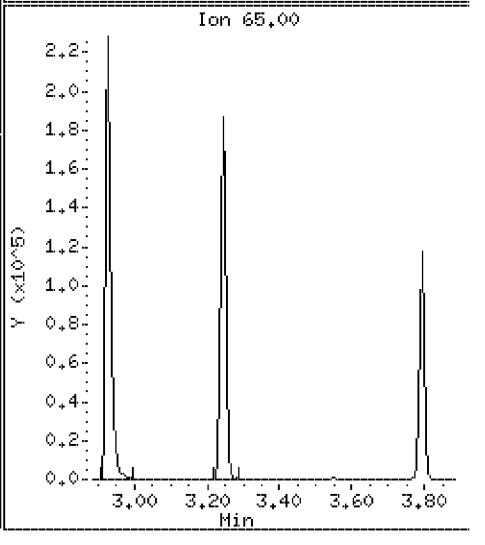












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

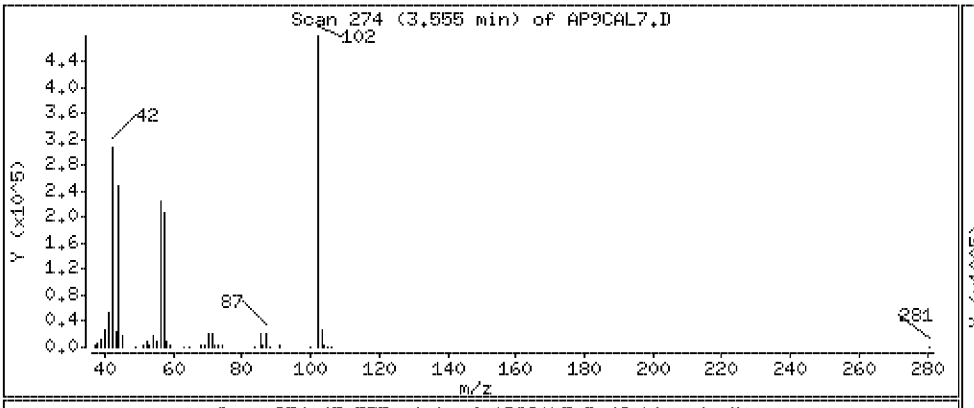
Operator: PEL

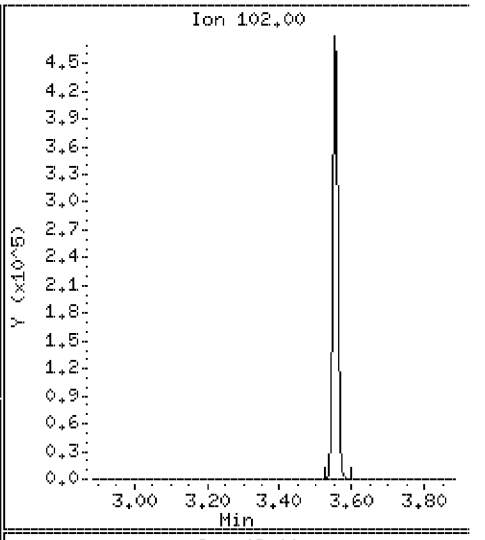
Column phase: HPMS-5

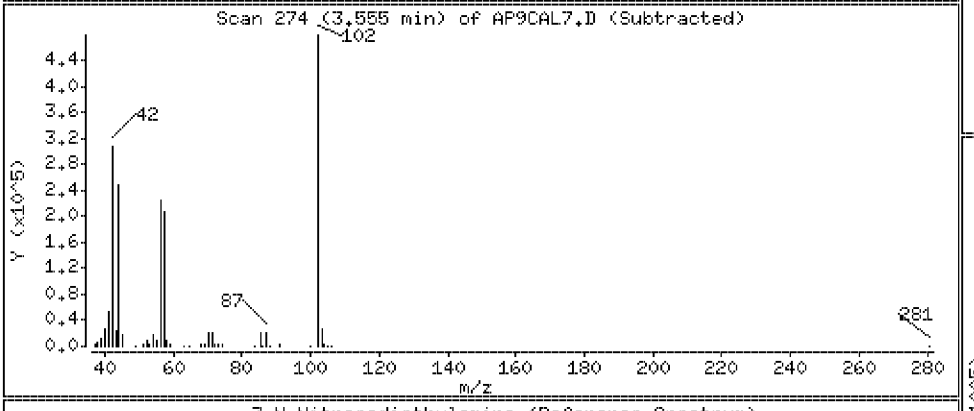
Column diameter: 0.25

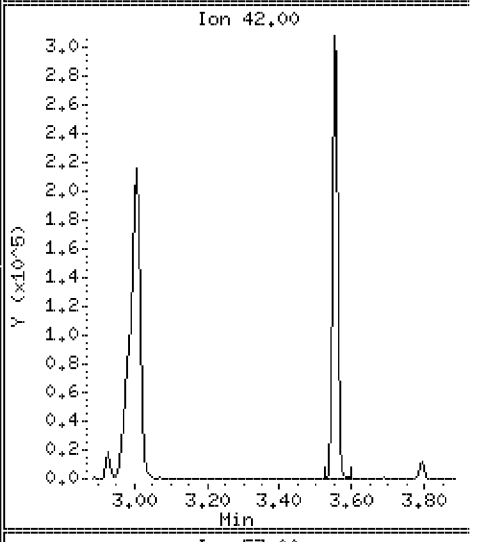
7 N-Nitrosodiethylamine

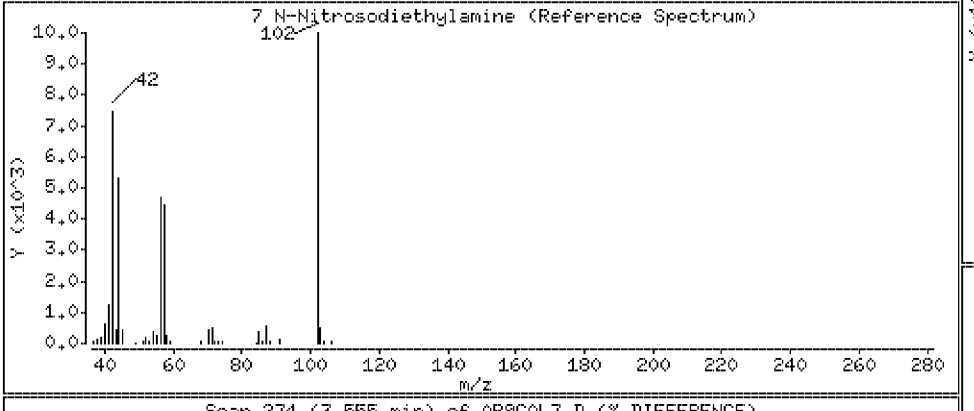
Concentration: 110 ug/l

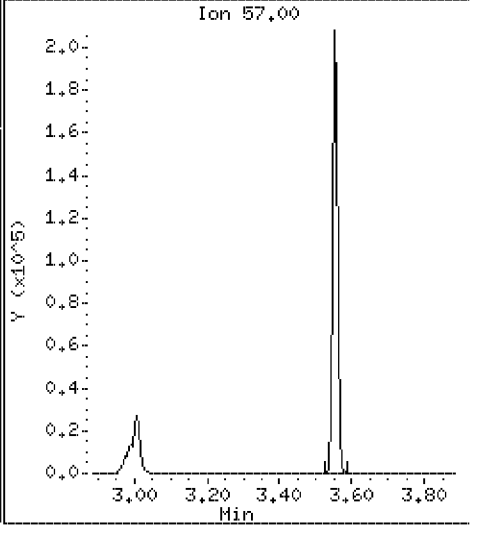


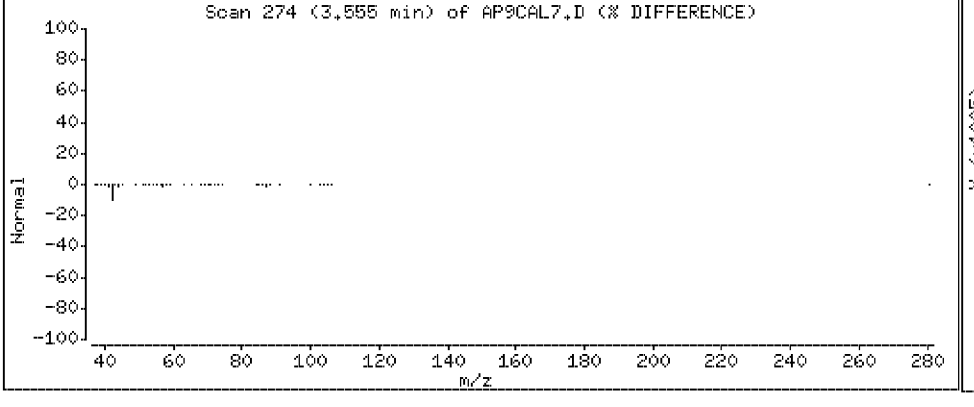












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

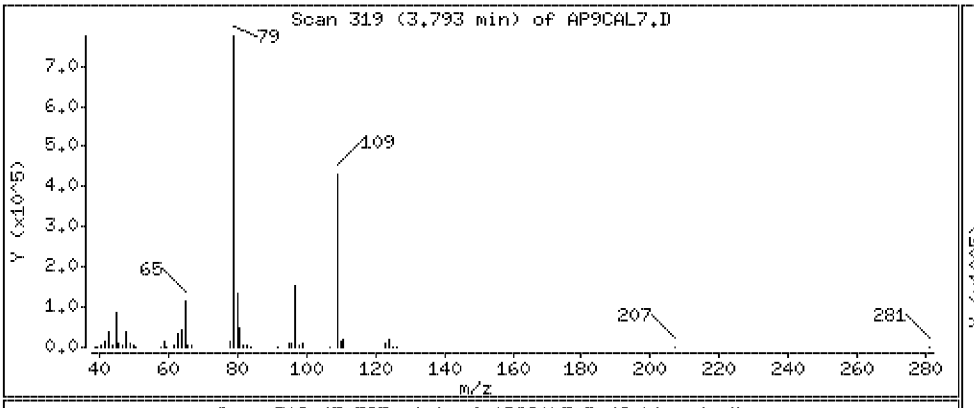
Operator: PEL

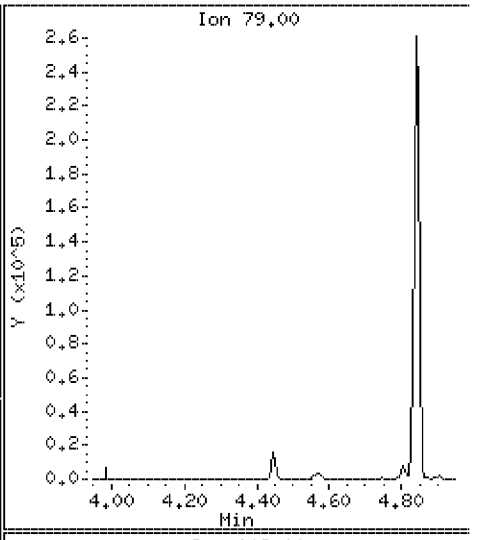
Column phase: HPMS-5

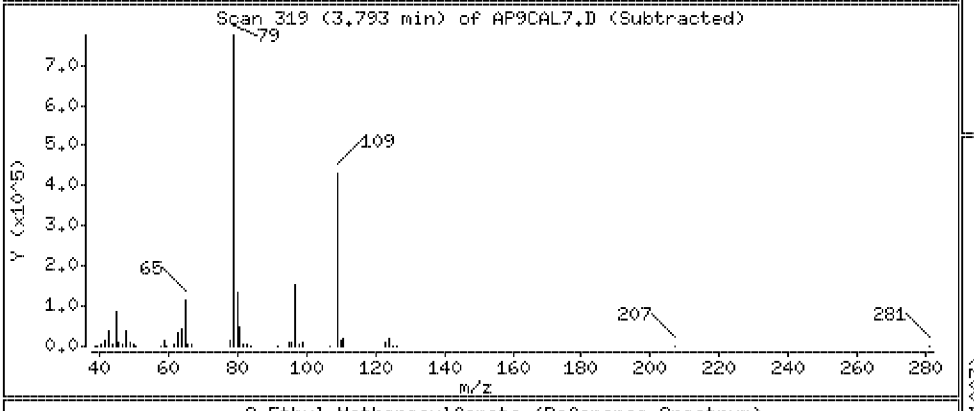
Column diameter: 0.25

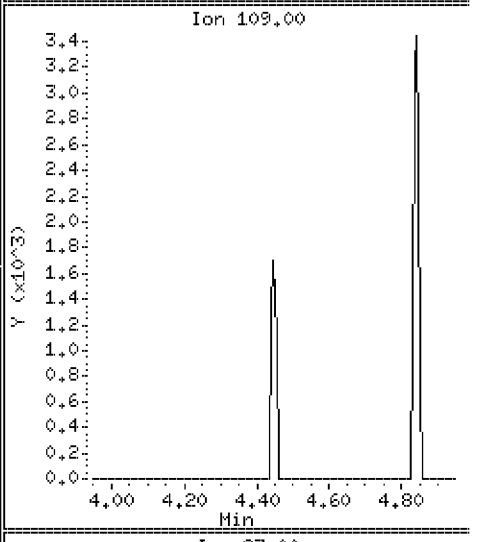
8 Ethyl Methanesulfonate

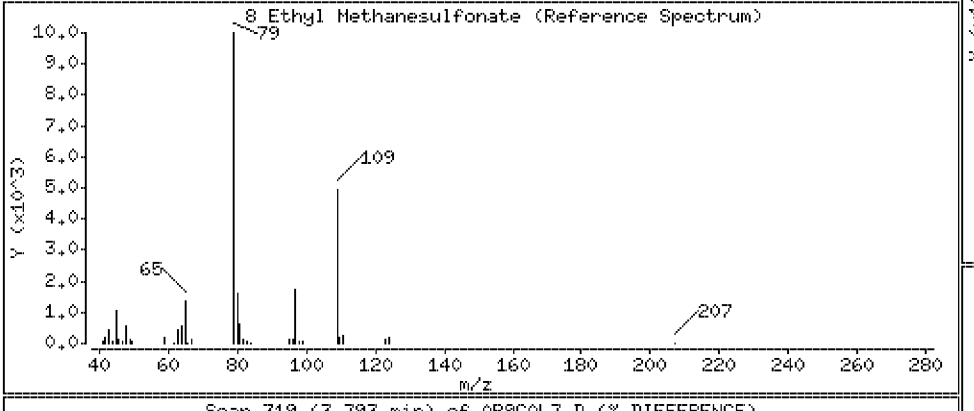
Concentration: 104 ug/l

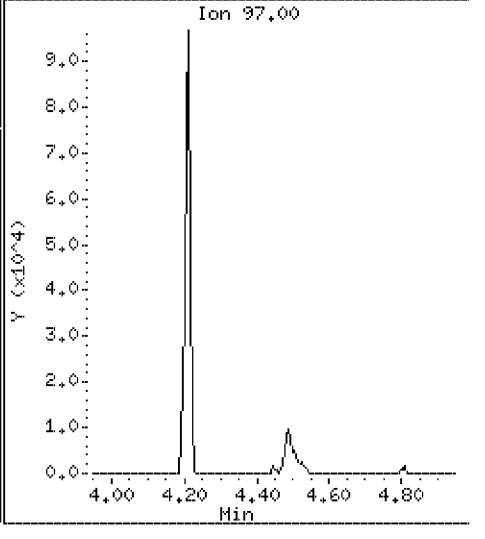


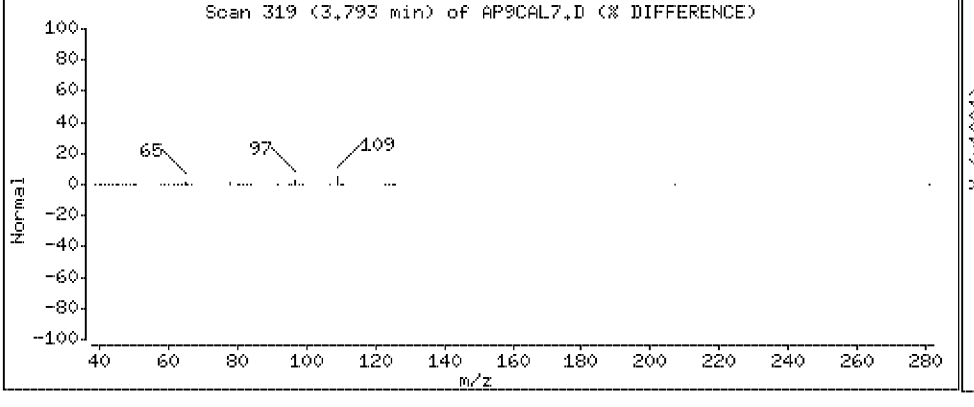












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

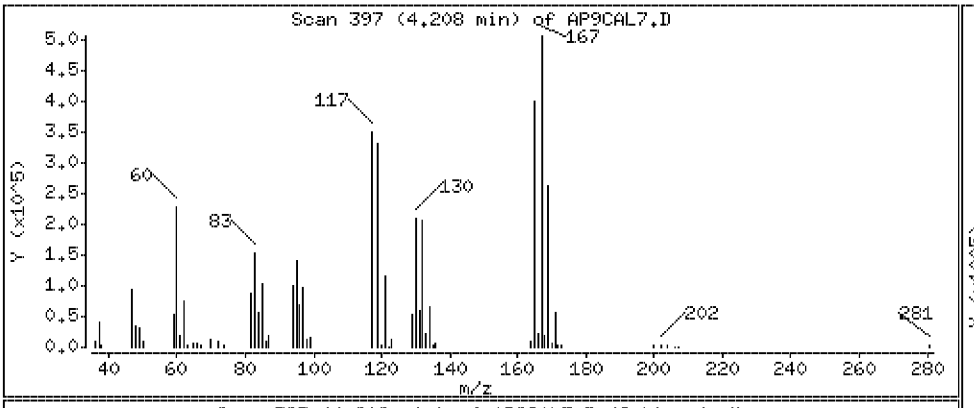
Operator: PEL

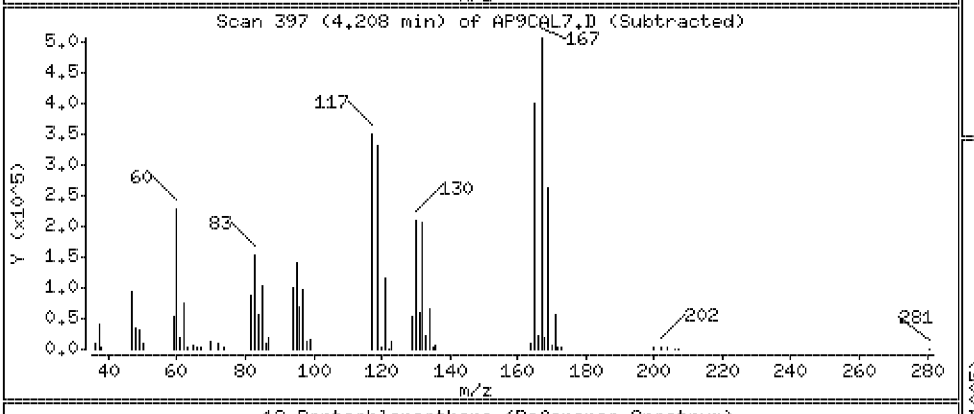
Column phase: HPMS-5

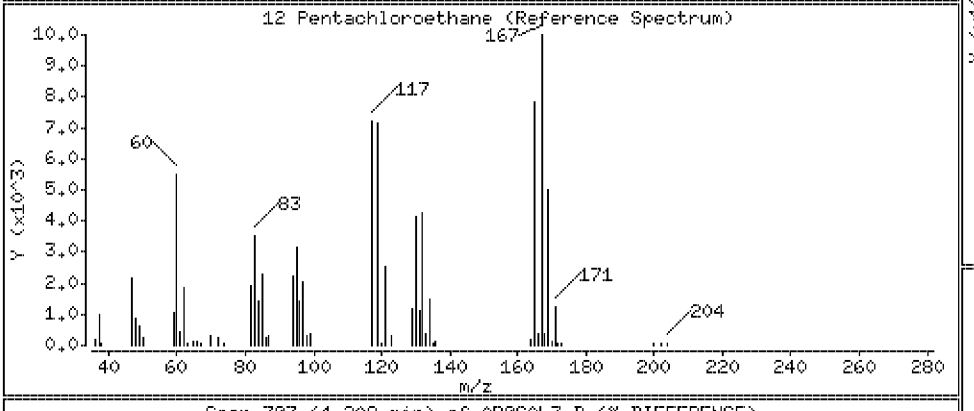
Column diameter: 0.25

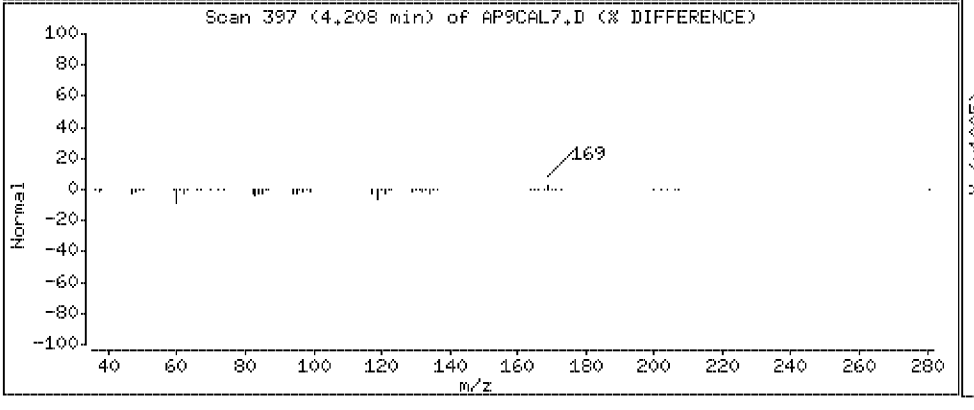
12 Pentachloroethane

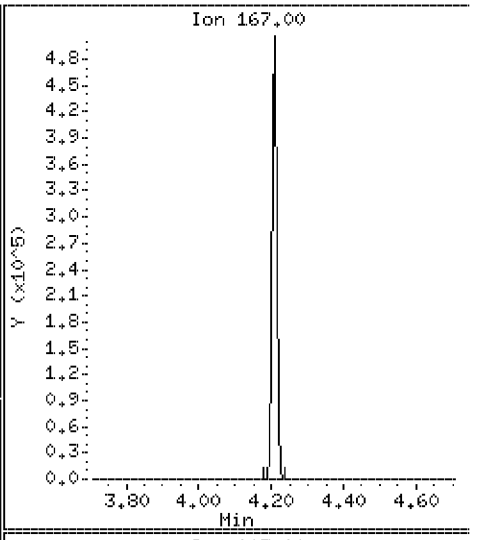
Concentration: 109 ug/l

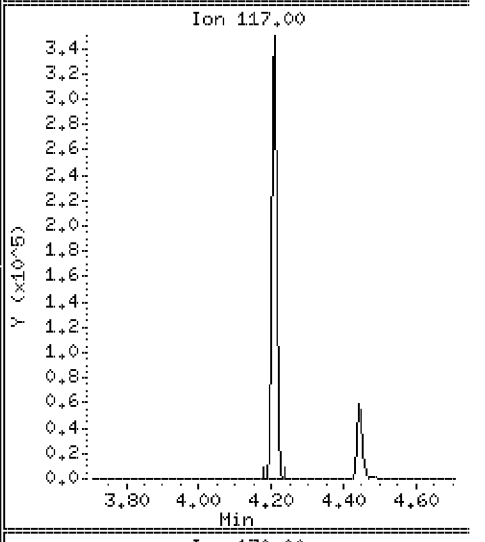


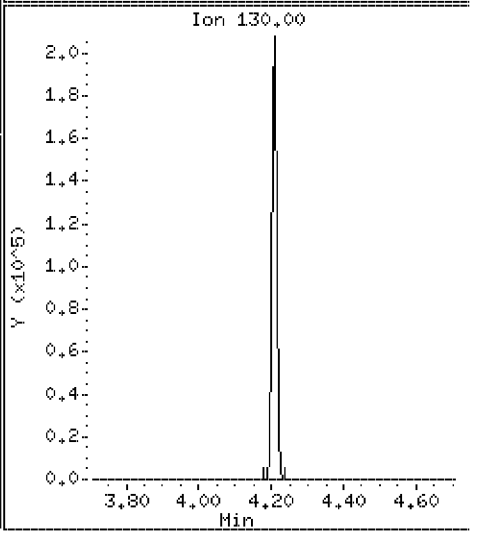












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

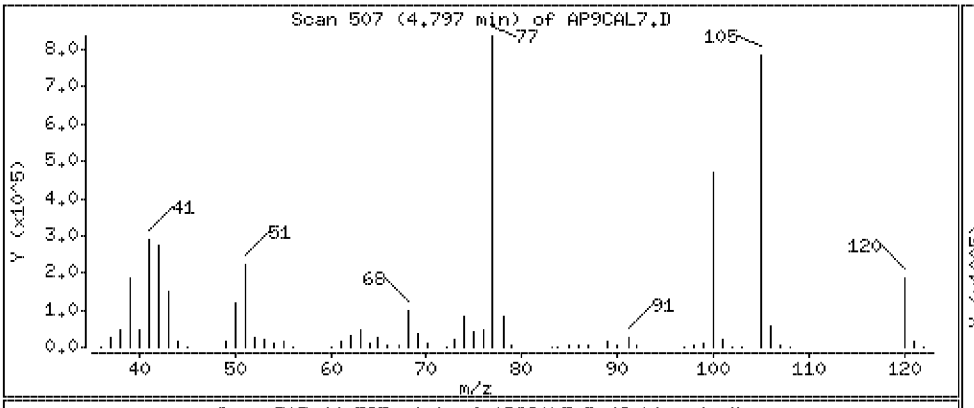
Operator: PEL

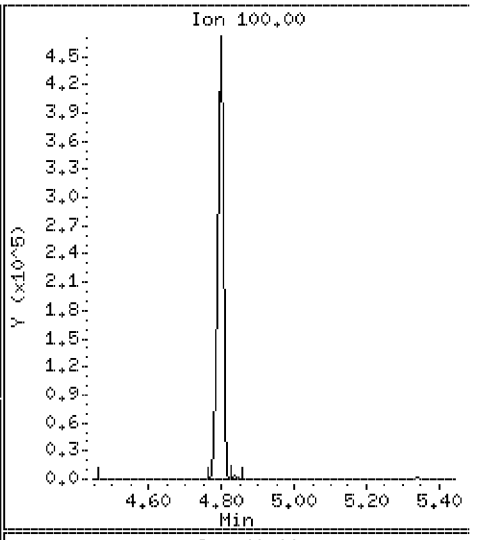
Column phase: HPMS-5

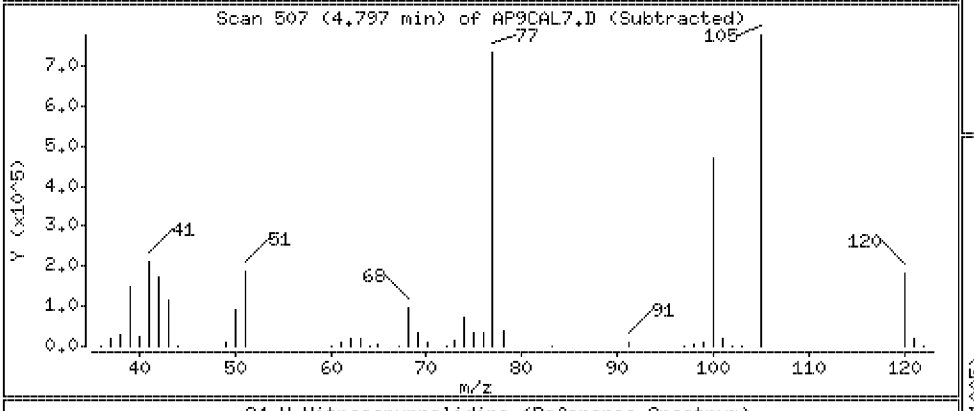
Column diameter: 0.25

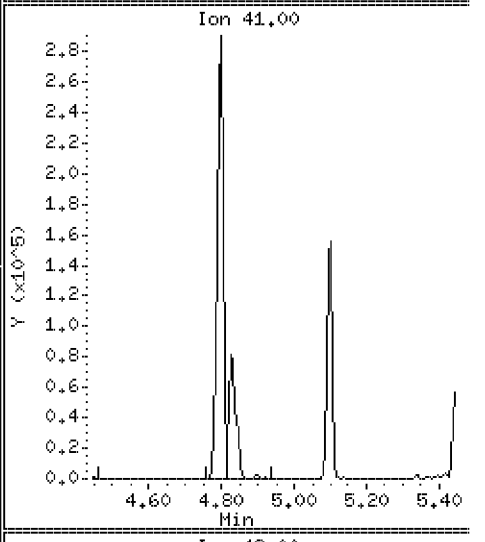
24 N-Nitrosopyrrolidine

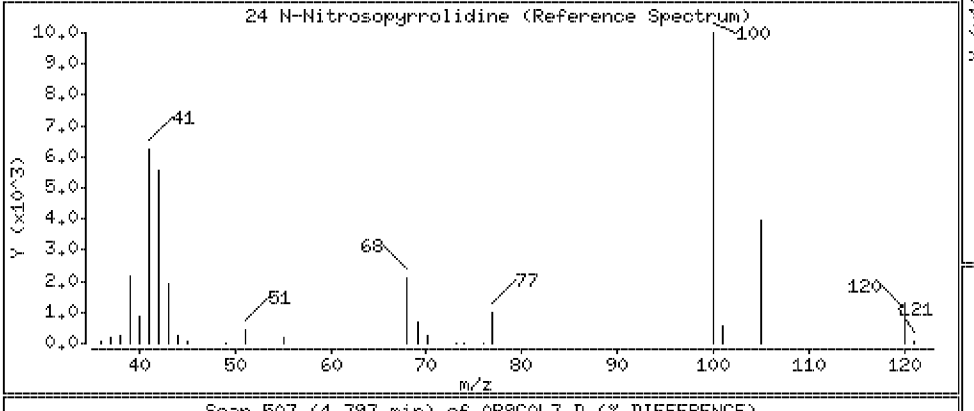
Concentration: 115 ug/l

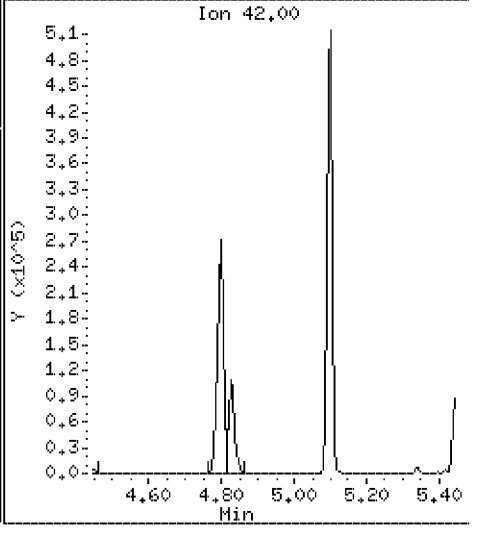


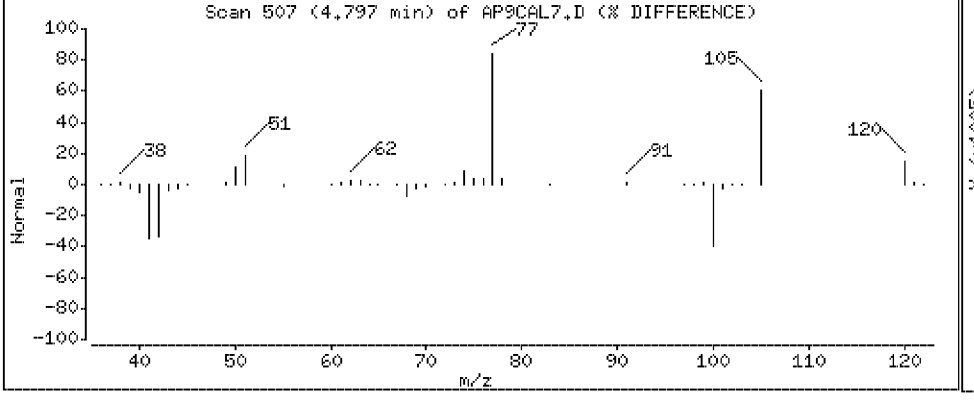












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

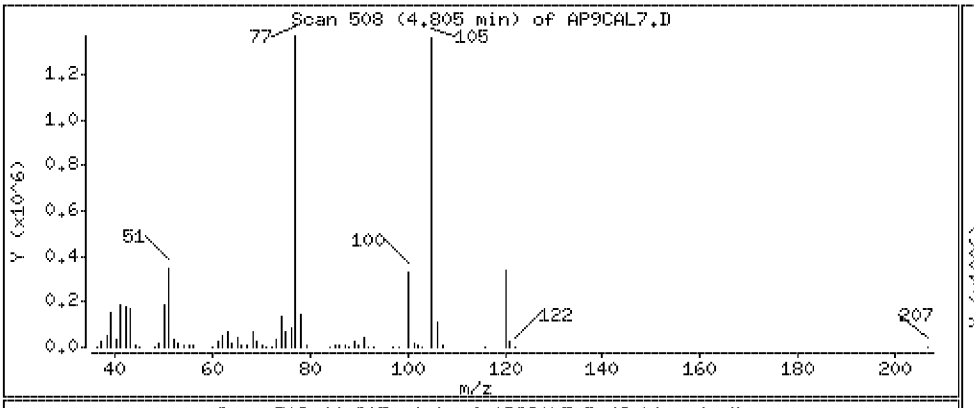
Operator: PEL

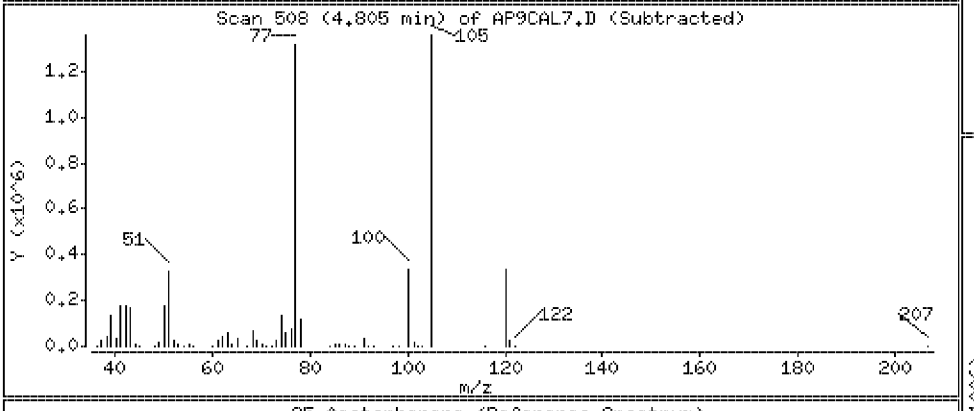
Column phase: HPMS-5

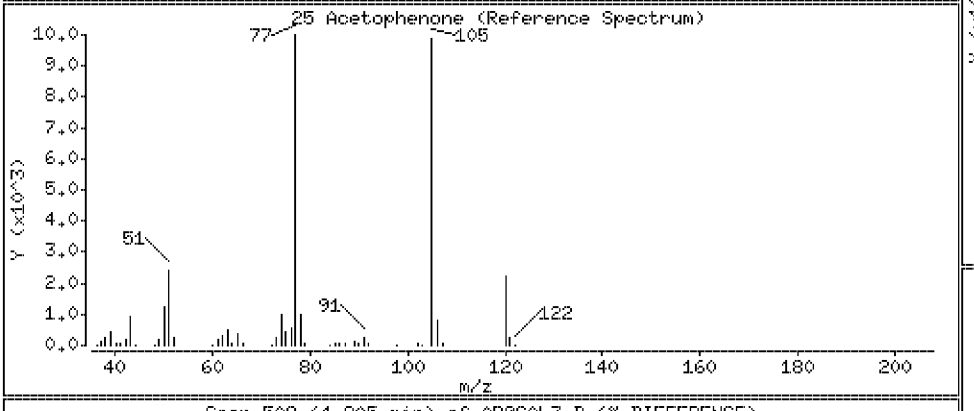
Column diameter: 0.25

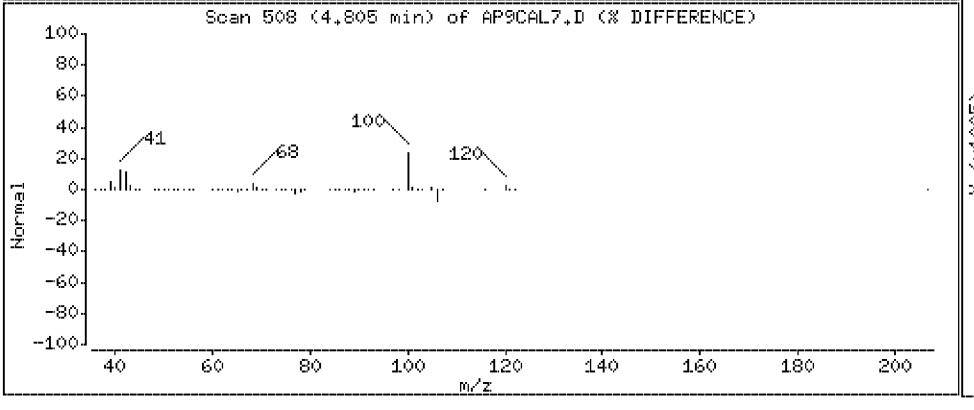
25 Acetophenone

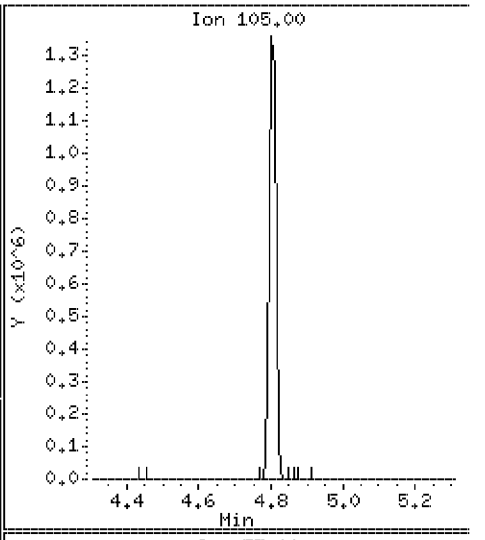
Concentration: 108 ug/l

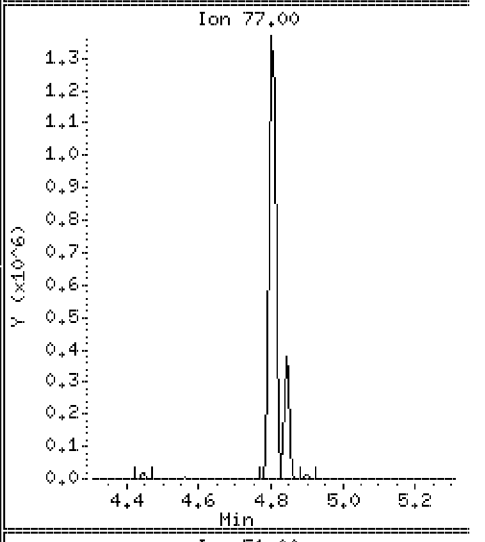


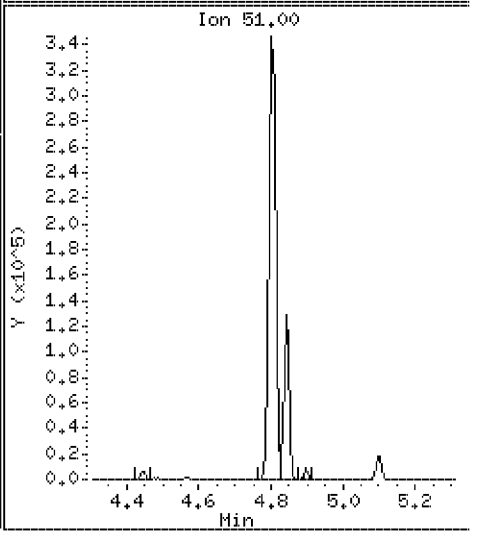












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

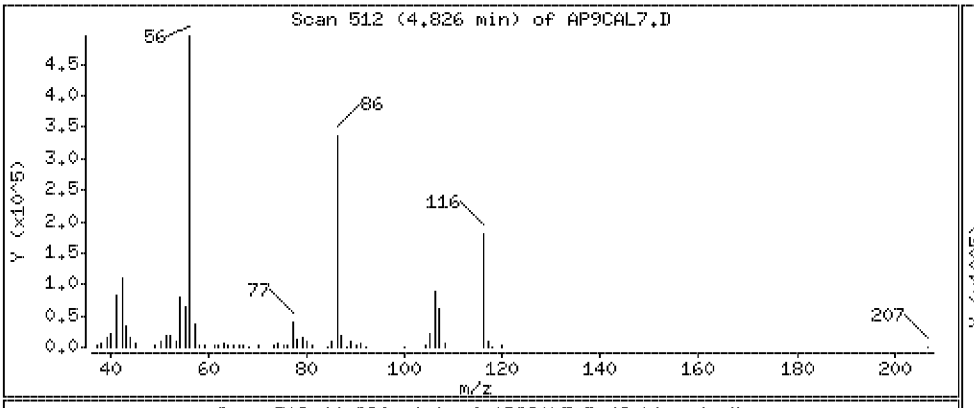
Operator: PEL

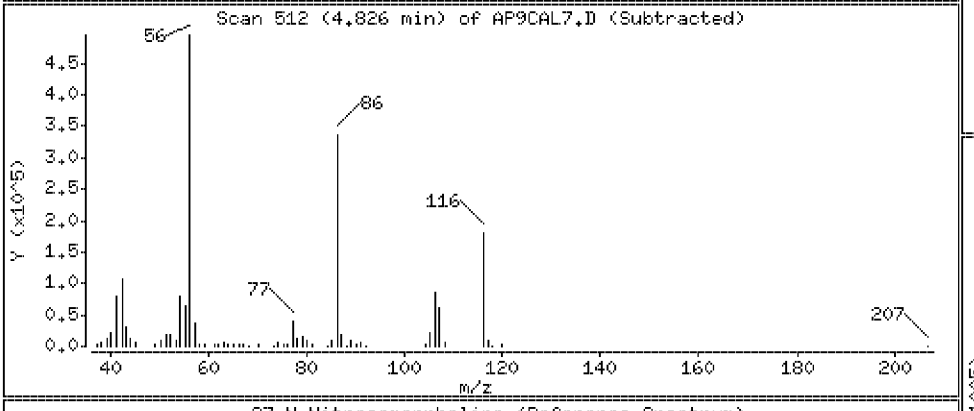
Column phase: HPMS-5

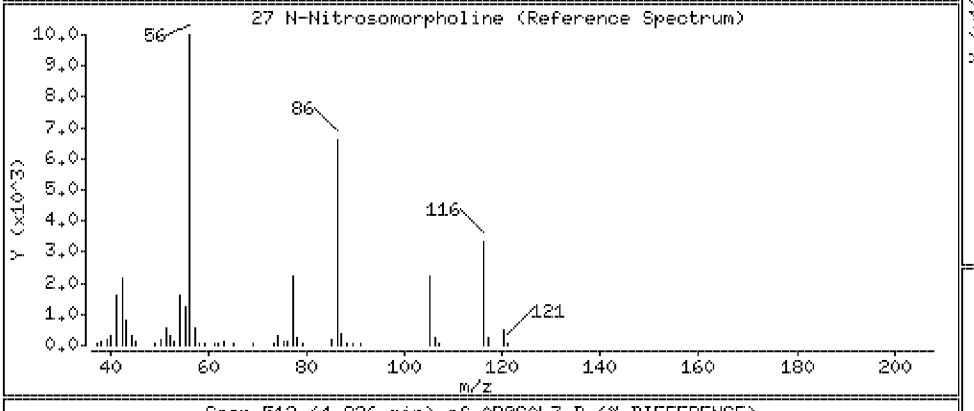
Column diameter: 0.25

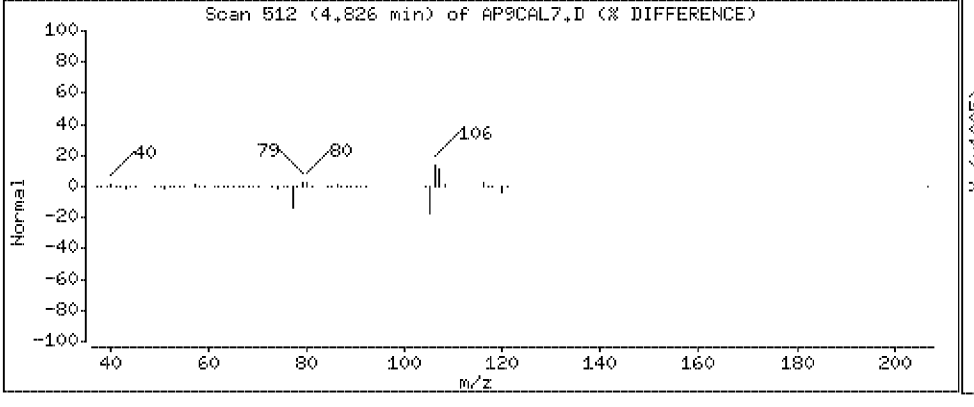
27 N-Nitrosomorpholine

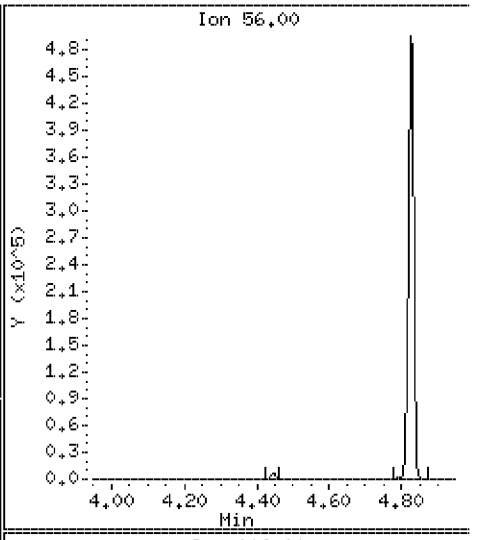
Concentration: 112 ug/l

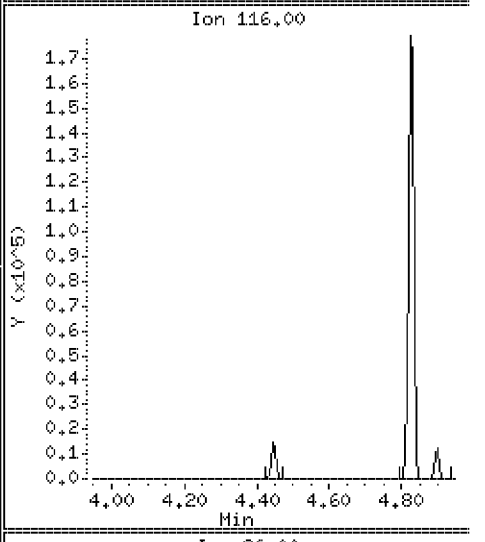


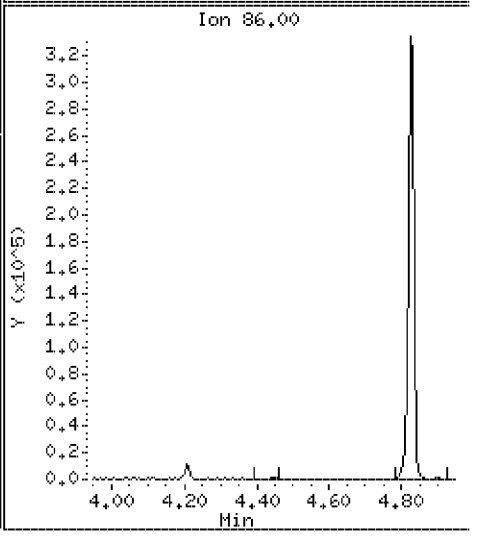












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

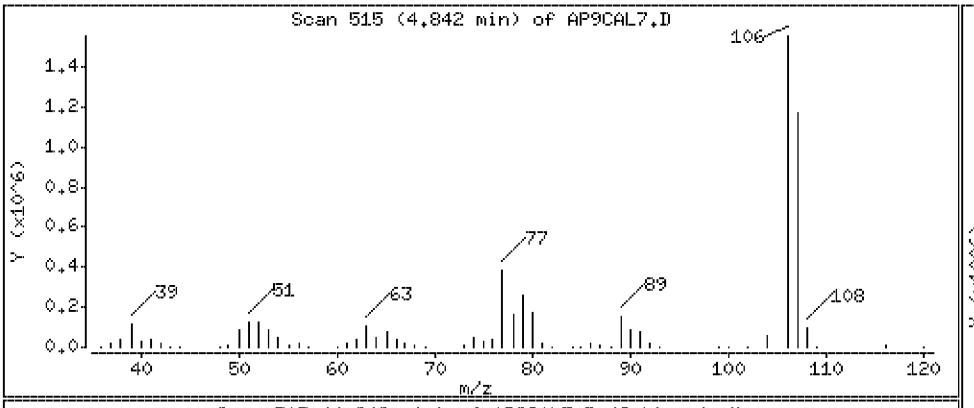
Operator: PEL

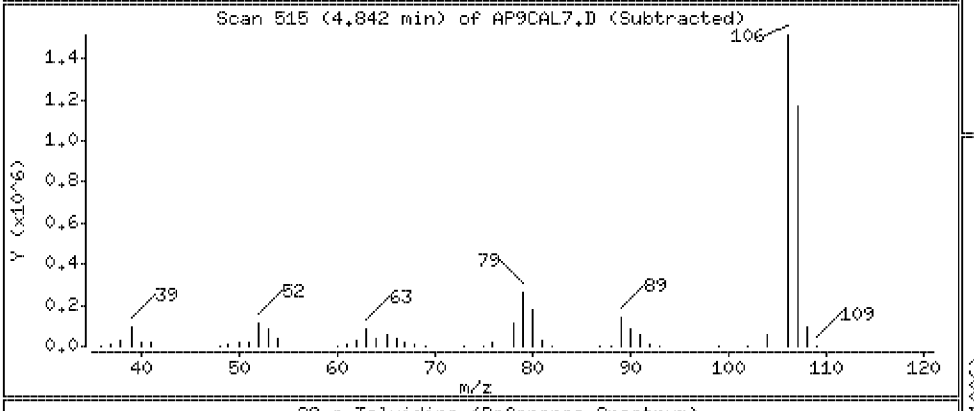
Column phase: HPMS-5

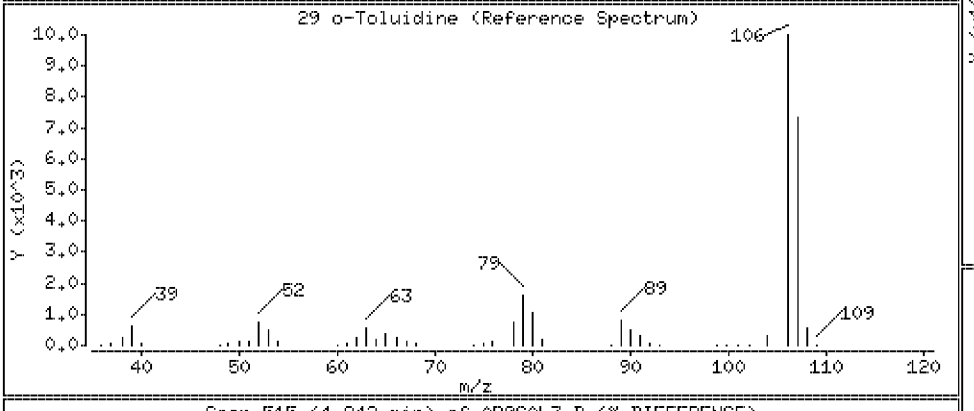
Column diameter: 0.25

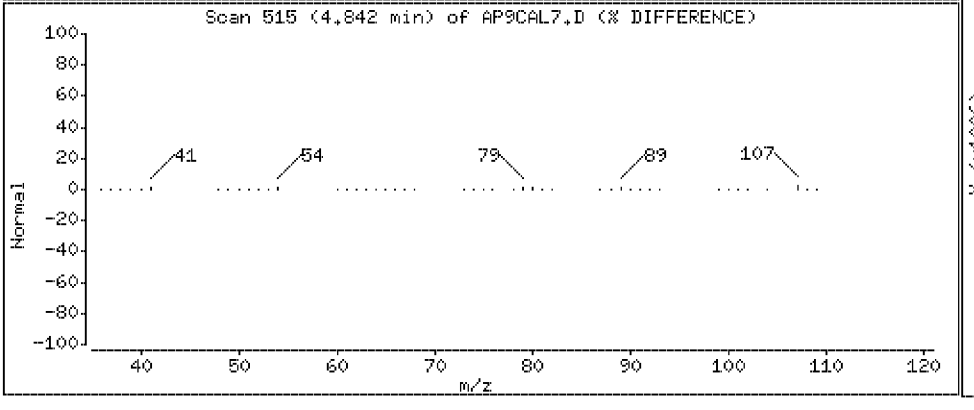
29 o-Toluidine

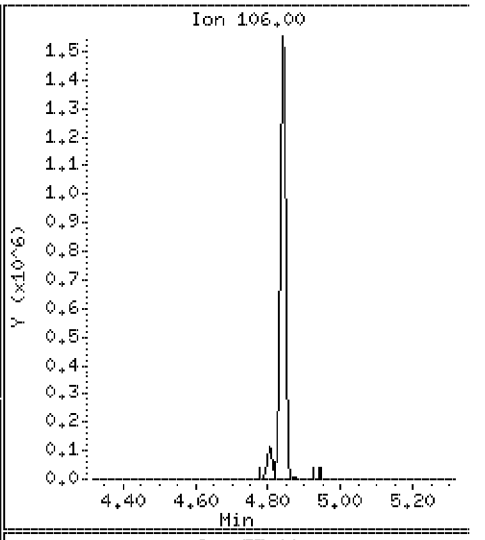
Concentration: 111 ug/l

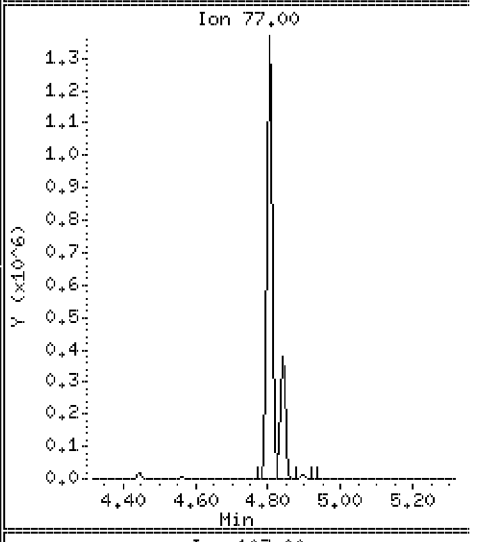


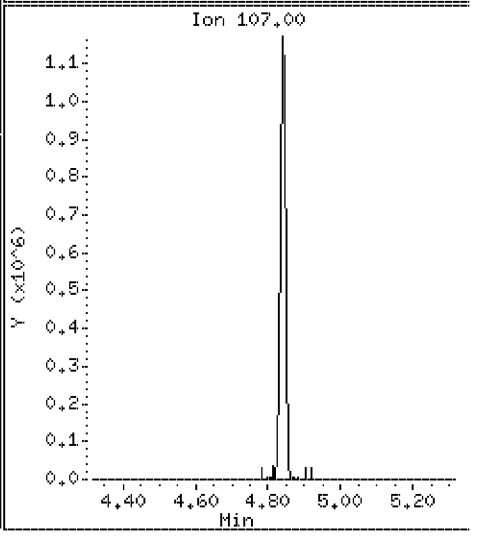












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

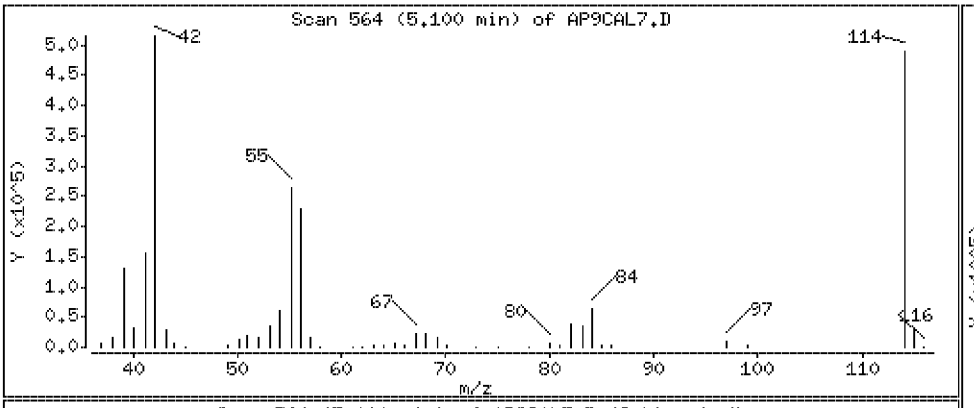
Operator: PEL

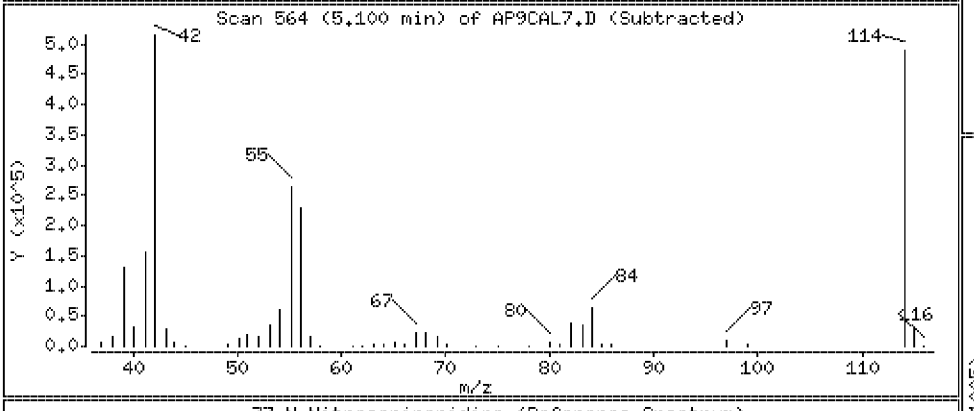
Column phase: HPMS-5

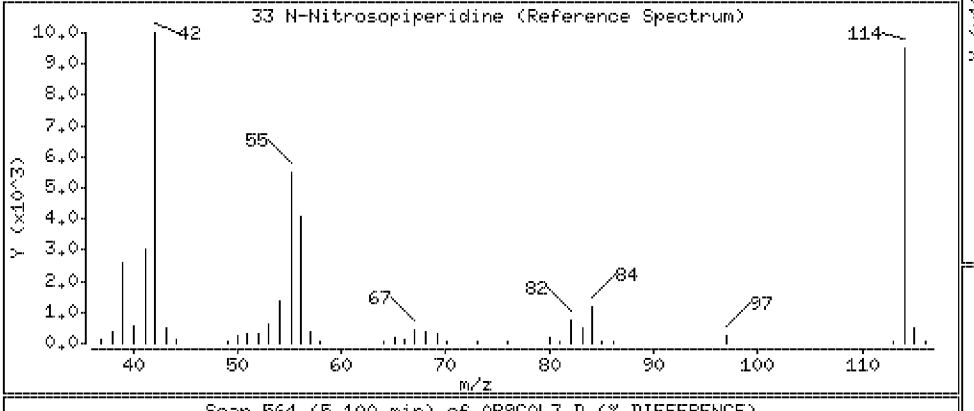
Column diameter: 0.25

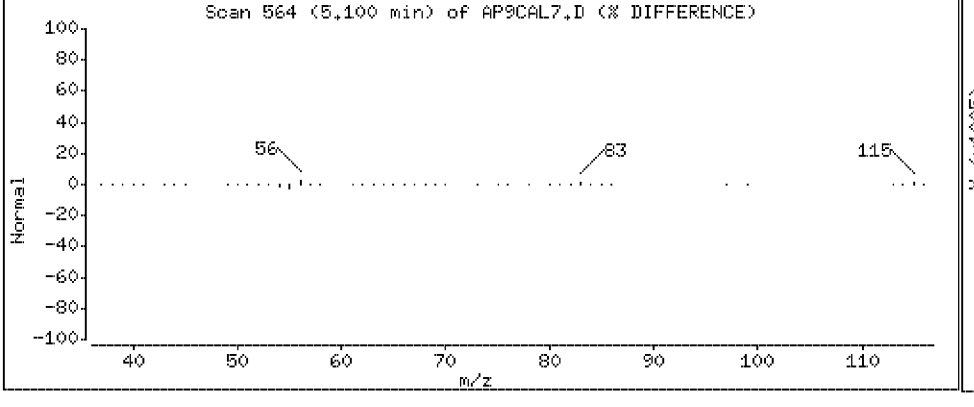
33 N-Nitrosopiperidine

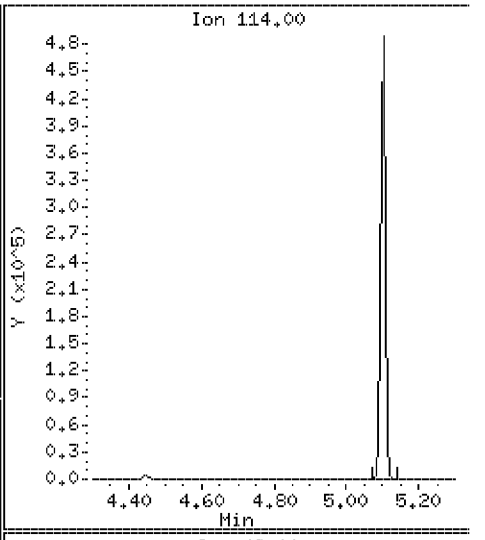
Concentration: 109 ug/l

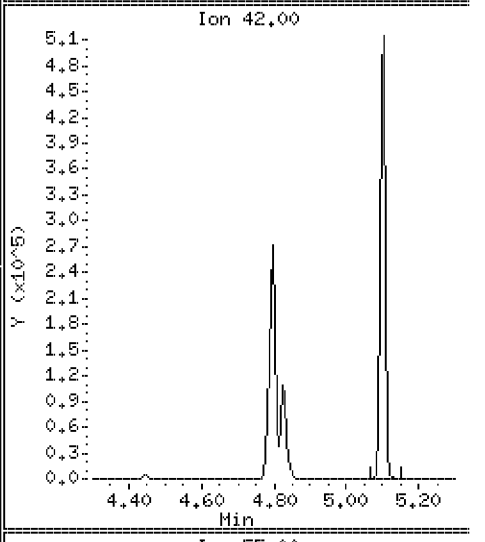


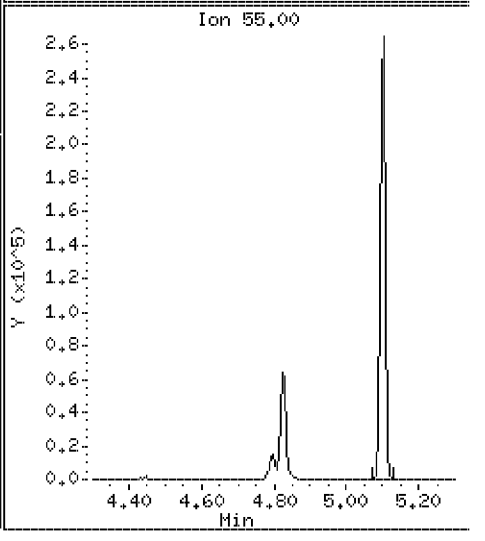












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

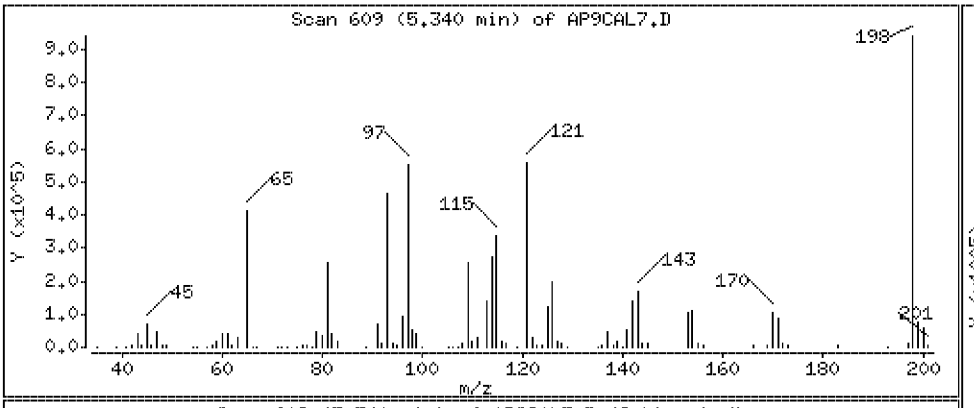
Operator: PEL

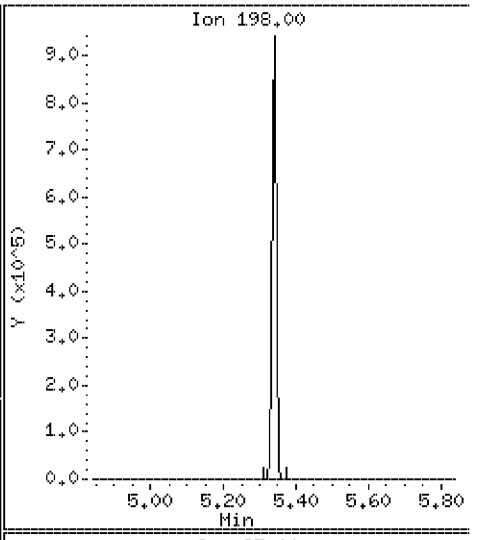
Column phase: HPMS-5

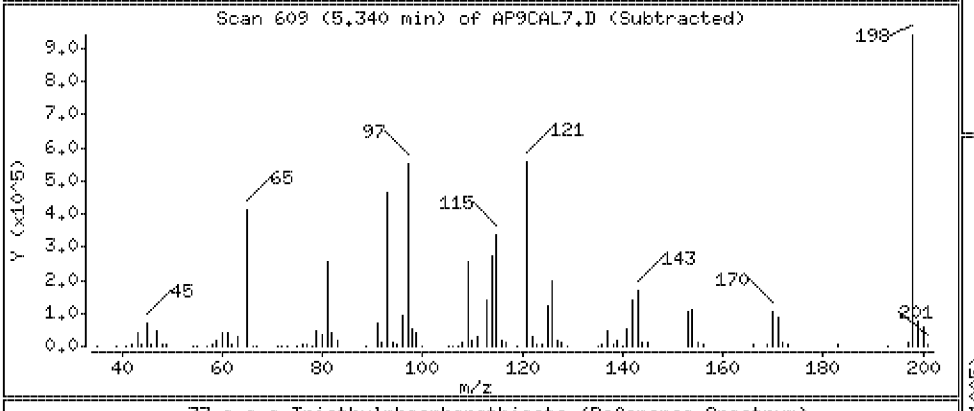
Column diameter: 0.25

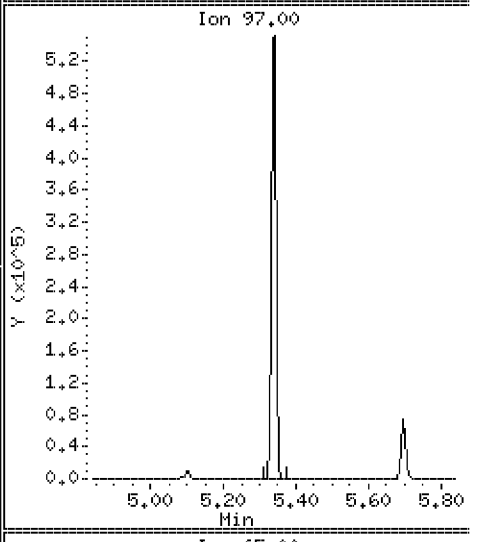
37 o,o,o-Triethylphosphorothioate

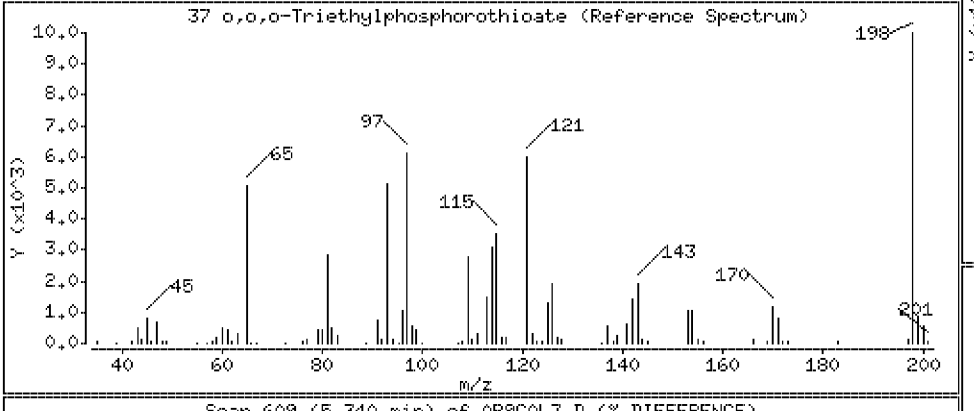
Concentration: 114 ug/l

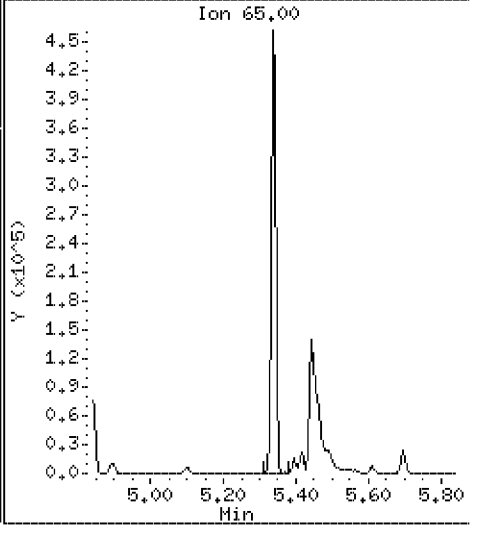


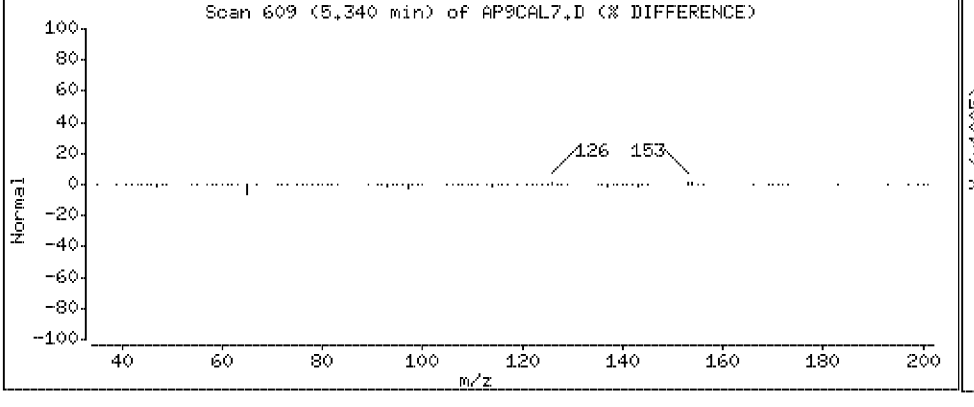












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

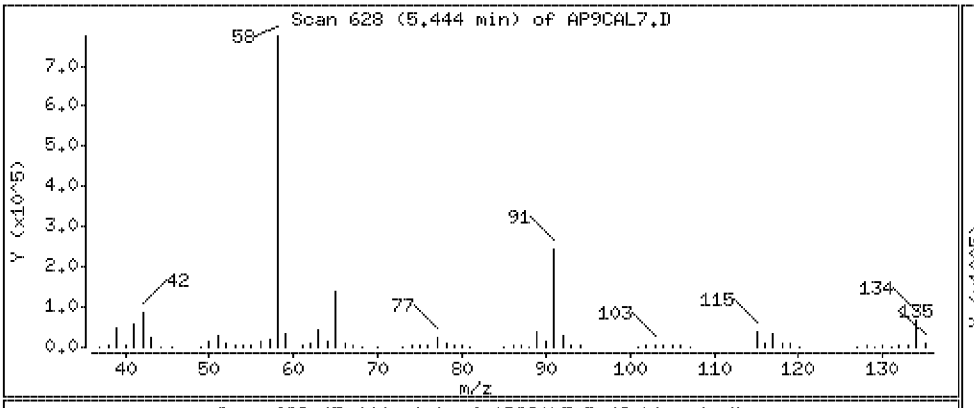
Operator: PEL

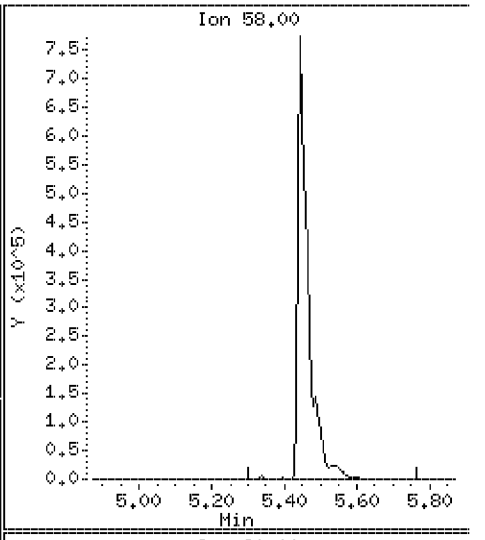
Column phase: HPMS-5

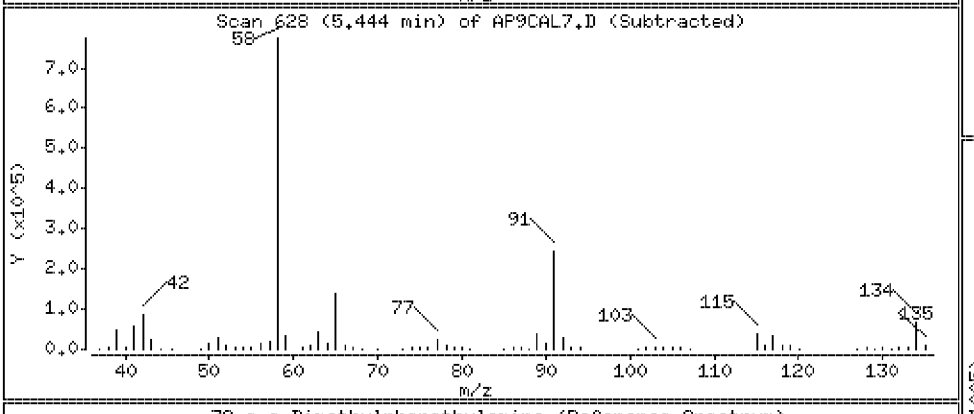
Column diameter: 0.25

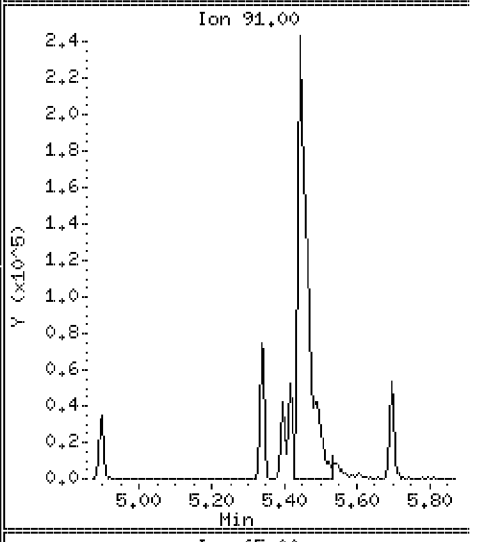
39 a,a-Dimethylphenethylamine

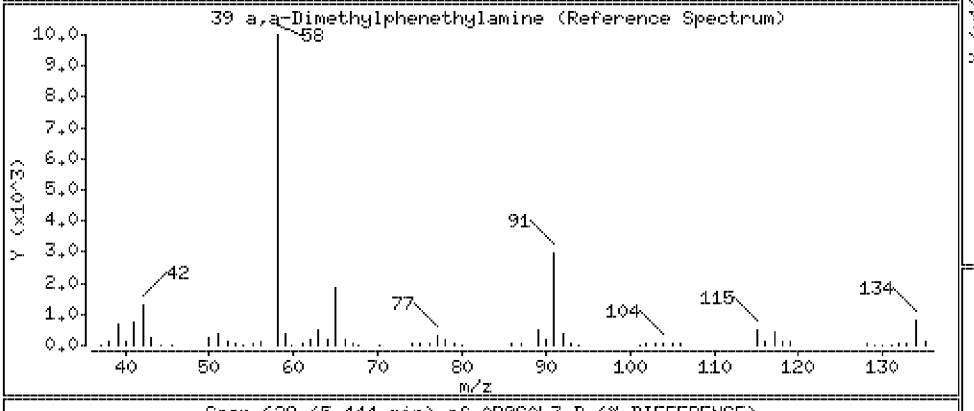
Concentration: 108 ug/l

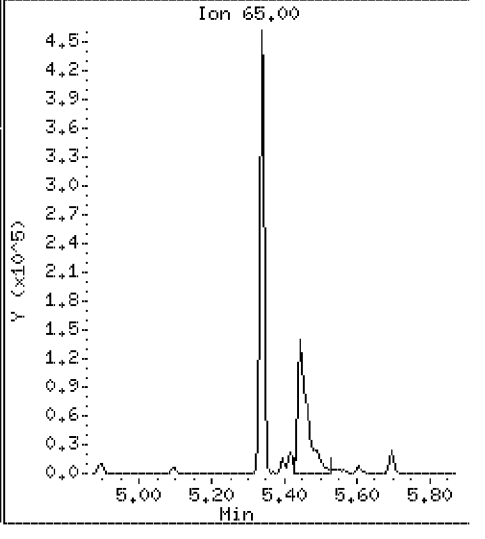


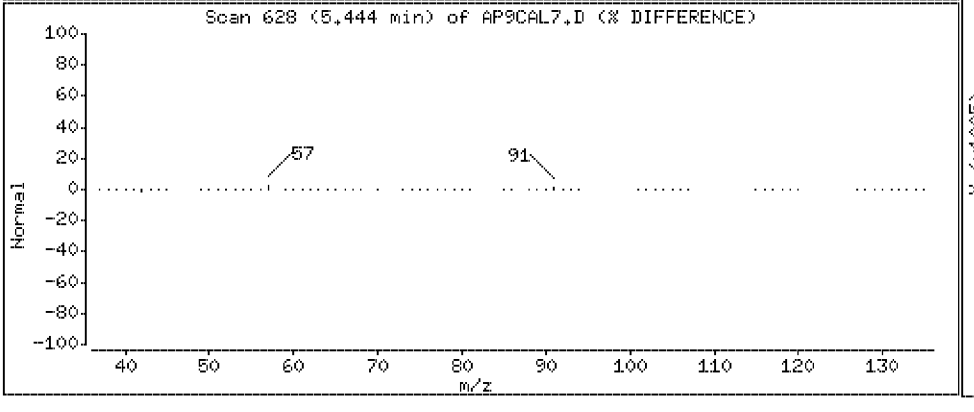












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

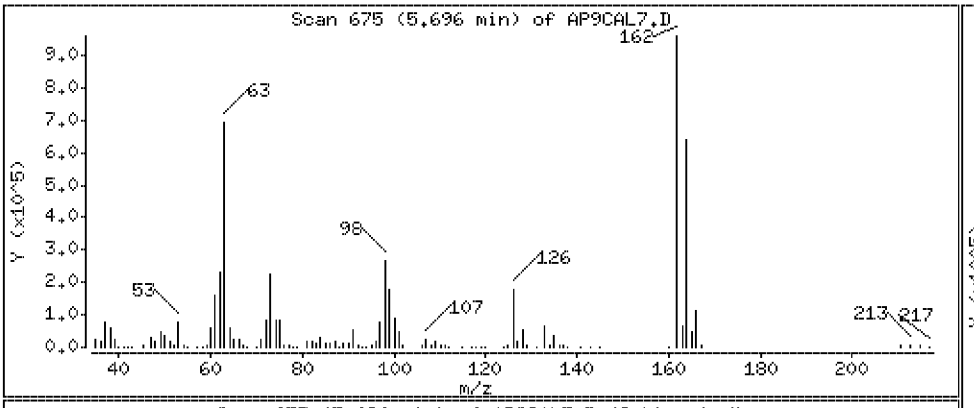
Operator: PEL

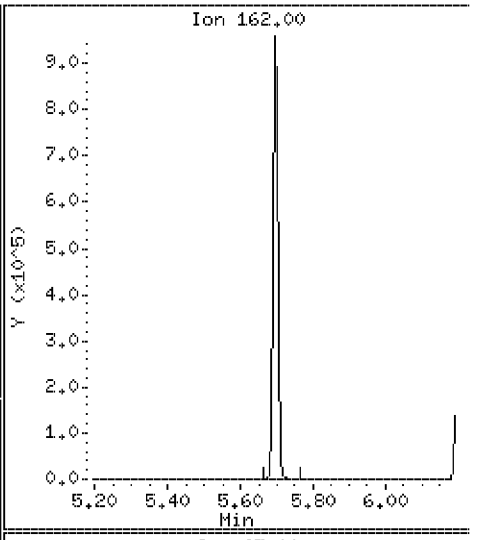
Column phase: HPMS-5

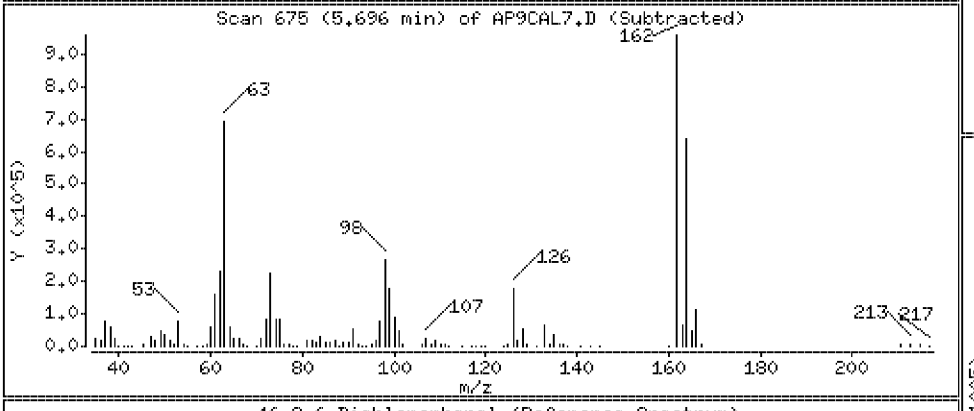
Column diameter: 0.25

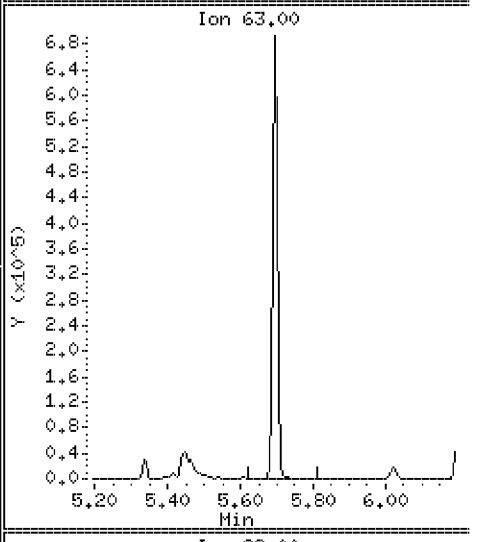
46 2,6-Dichlorophenol

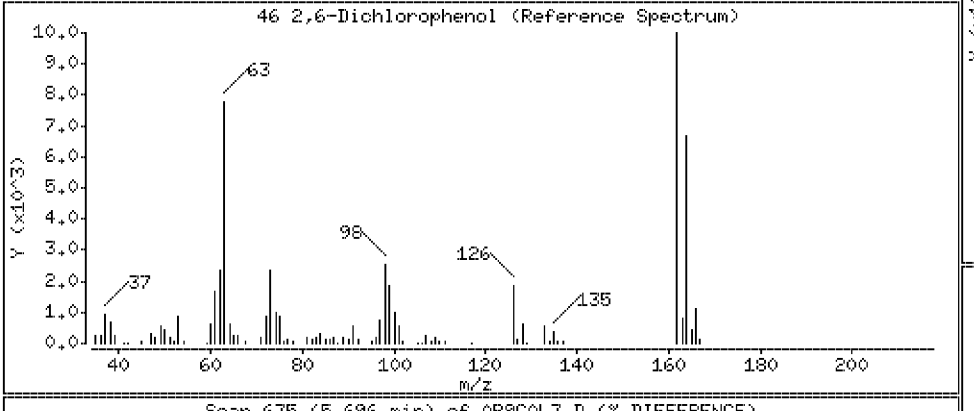
Concentration: 112 ug/l

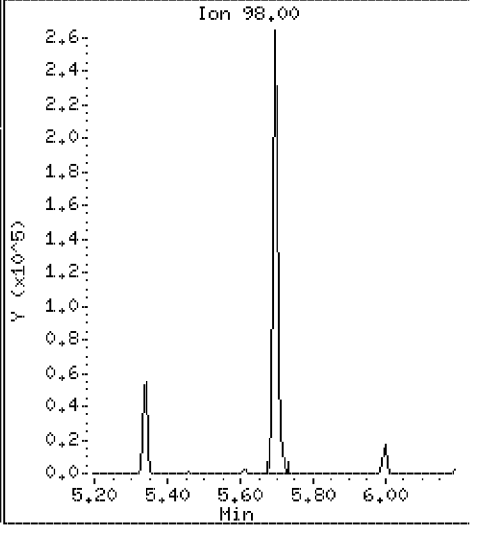


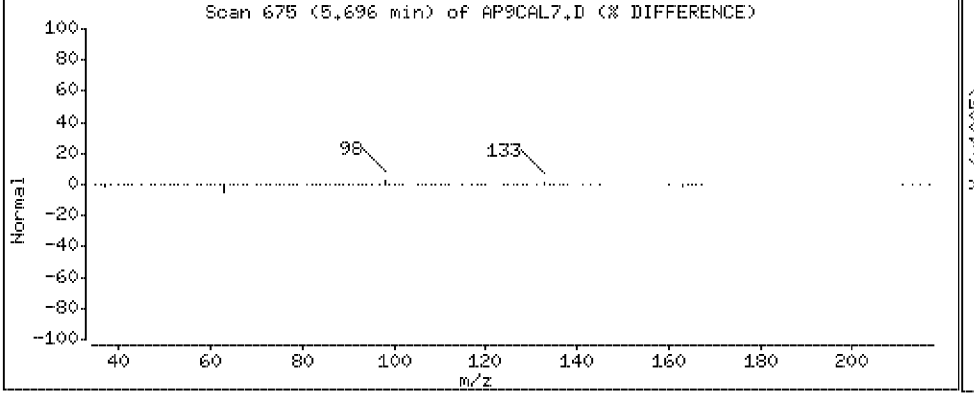












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

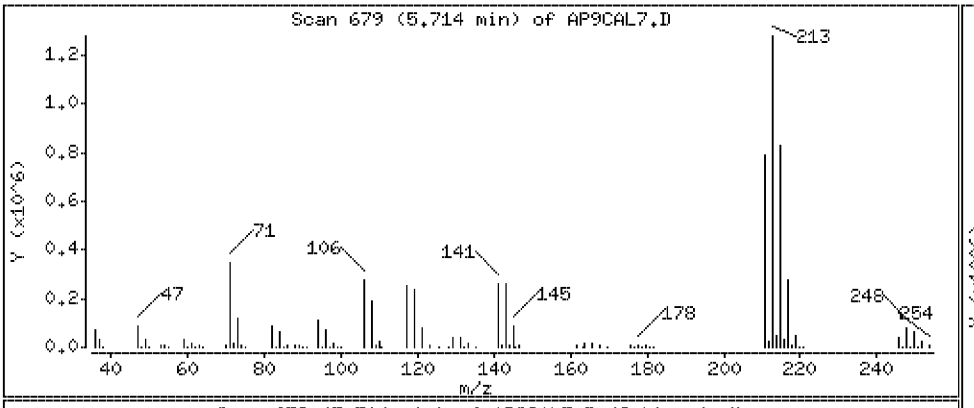
Operator: PEL

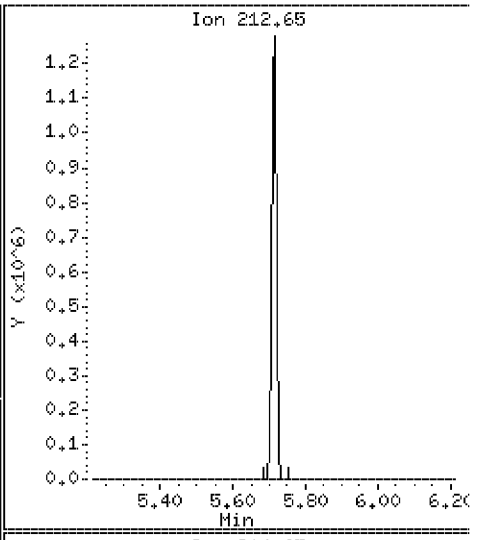
Column phase: HPMS-5

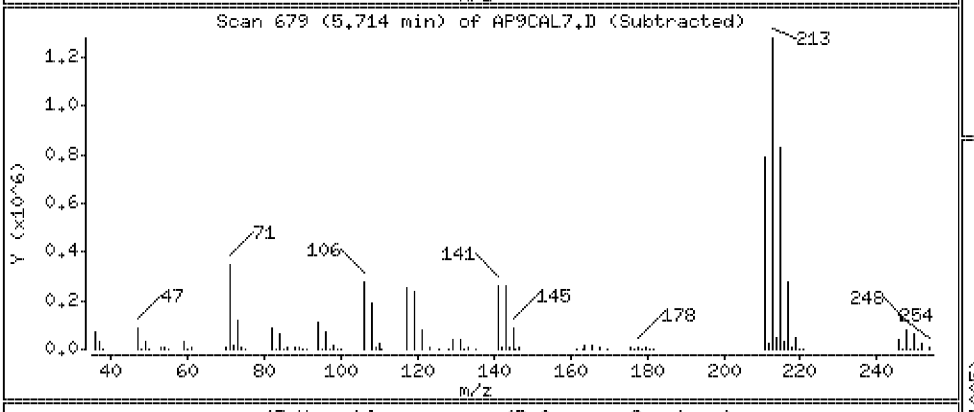
Column diameter: 0.25

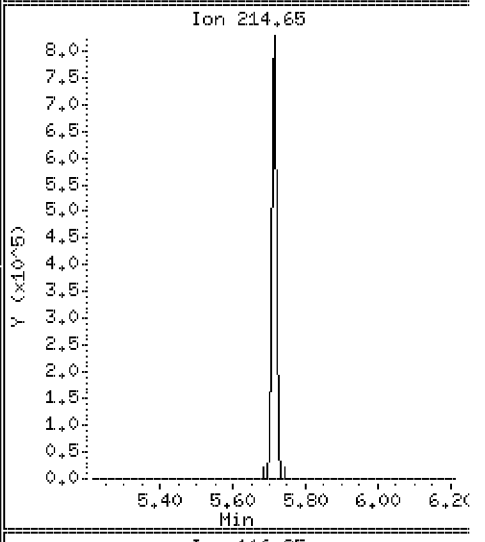
47 Hexachloropropene

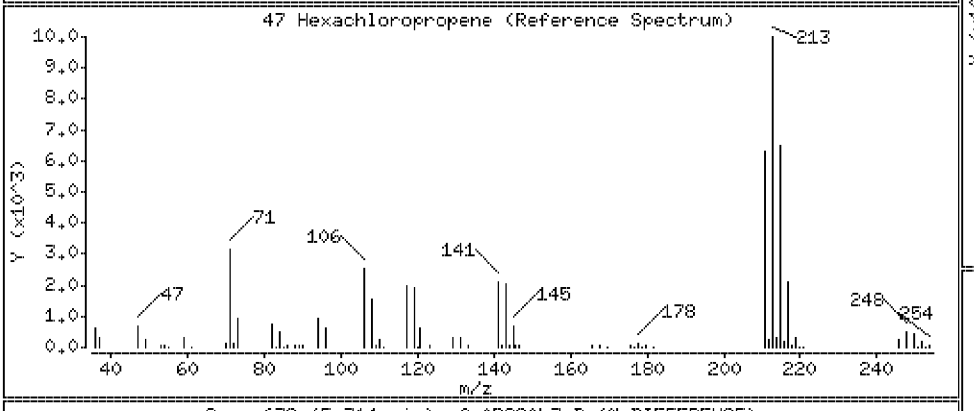
Concentration: 110 ug/l

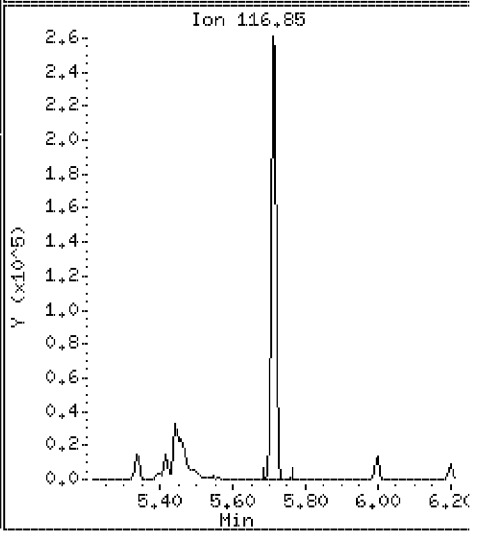


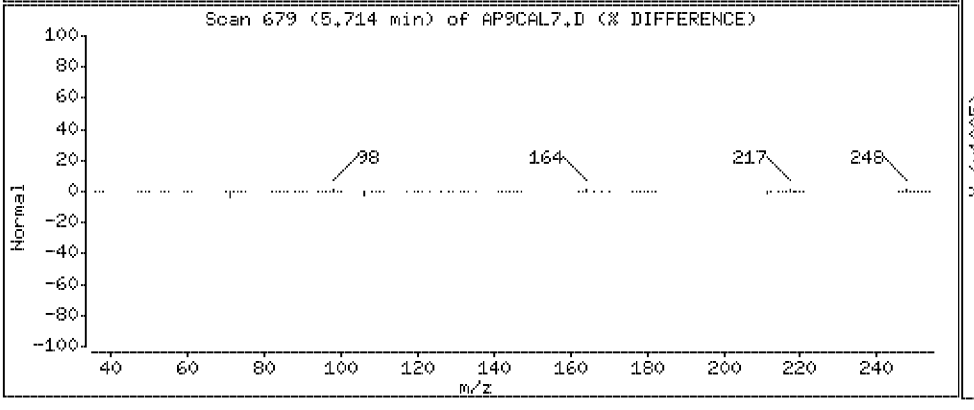












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

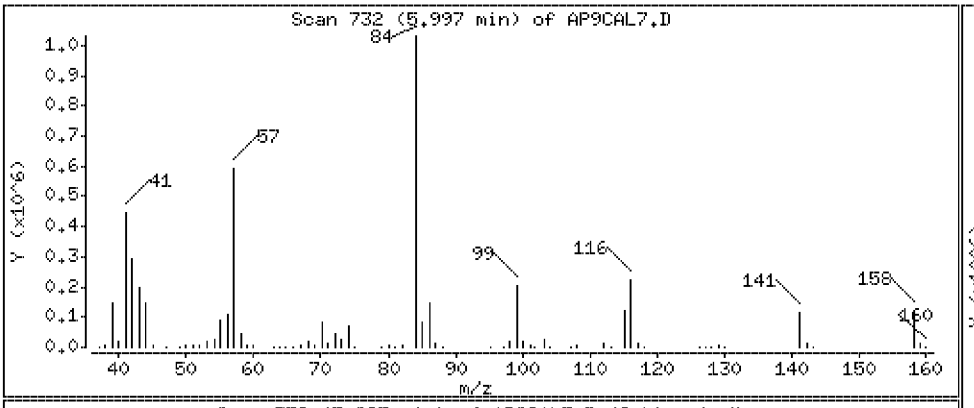
Operator: PEL

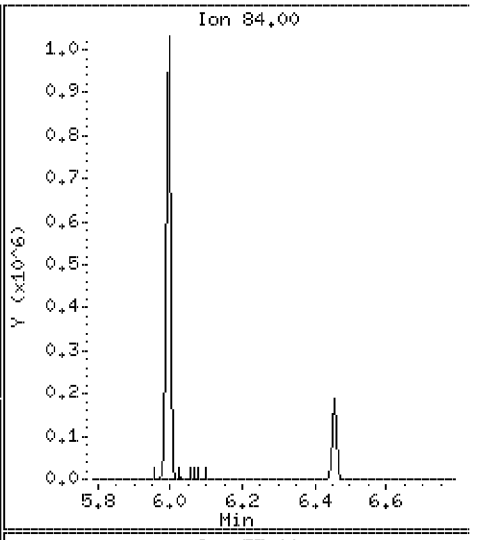
Column phase: HPMS-5

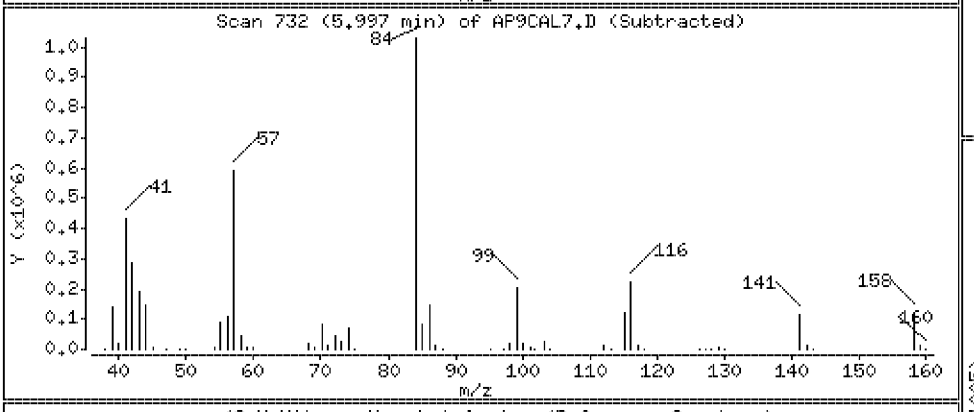
Column diameter: 0.25

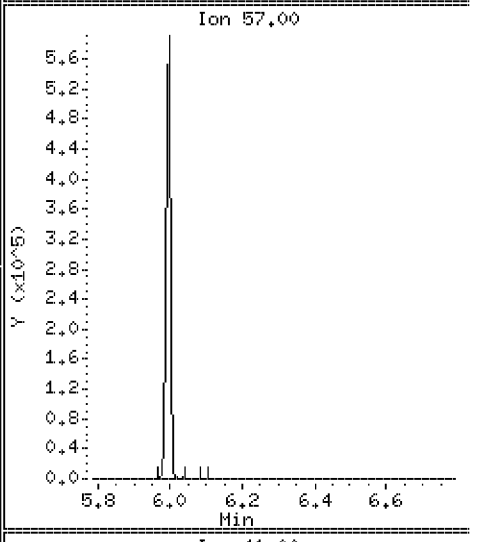
49 N-Nitrosodi-n-butylamine

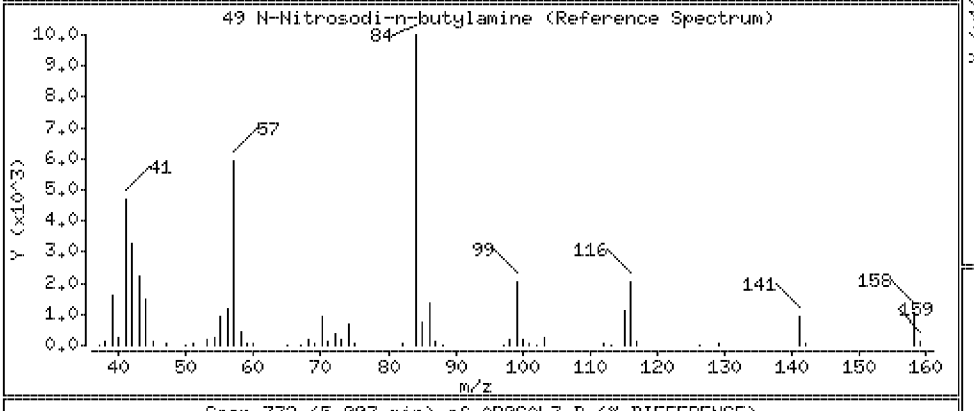
Concentration: 113 ug/l

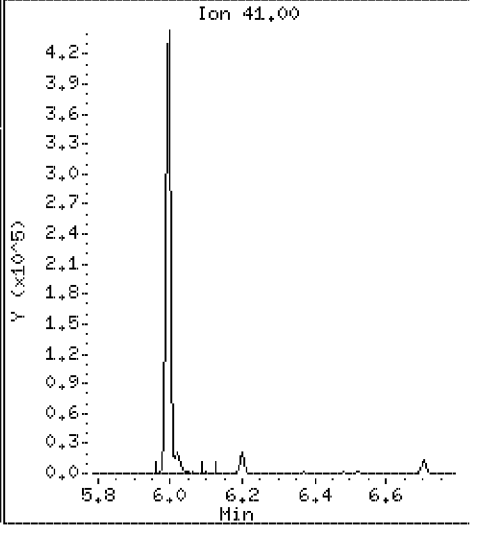


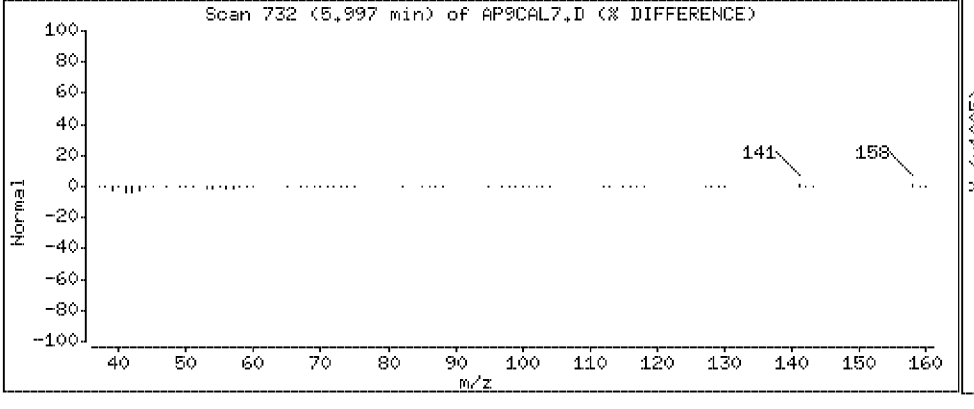












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

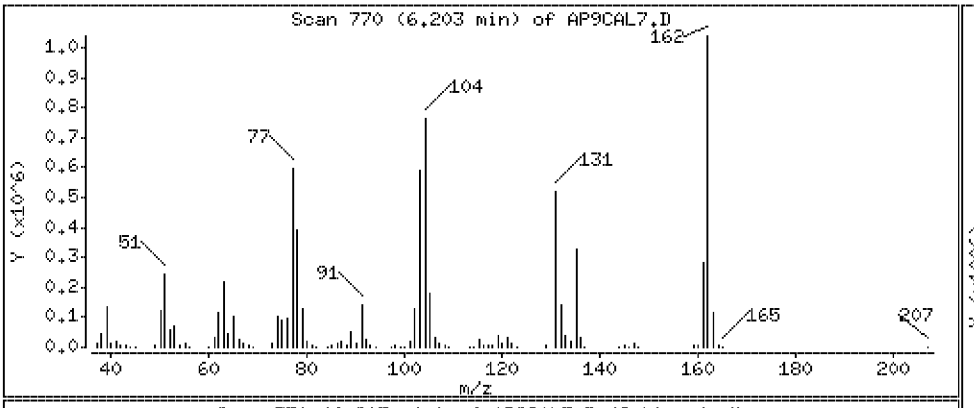
Operator: PEL

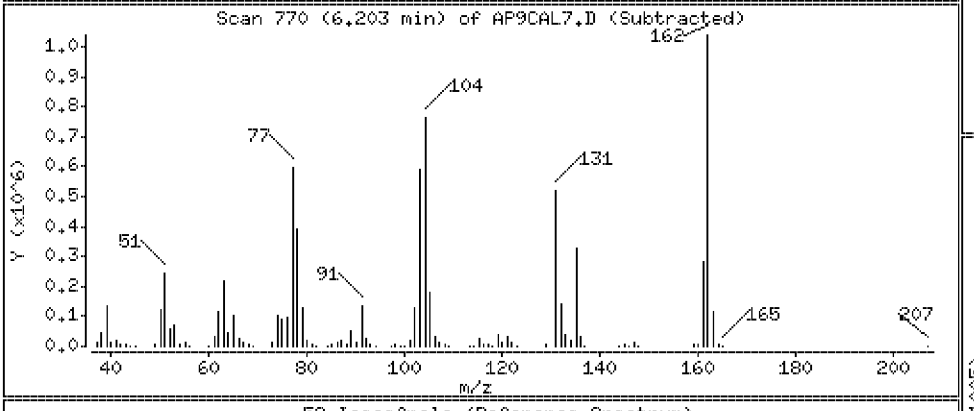
Column phase: HPMS-5

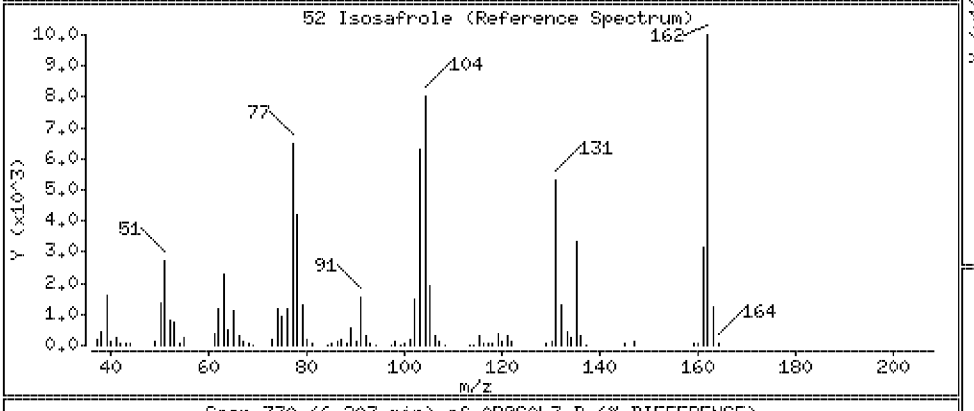
Column diameter: 0.25

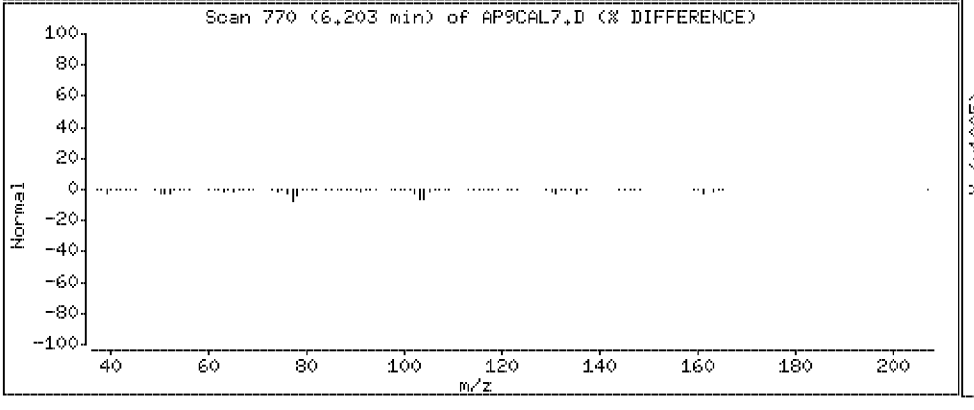
52 Isosafrole

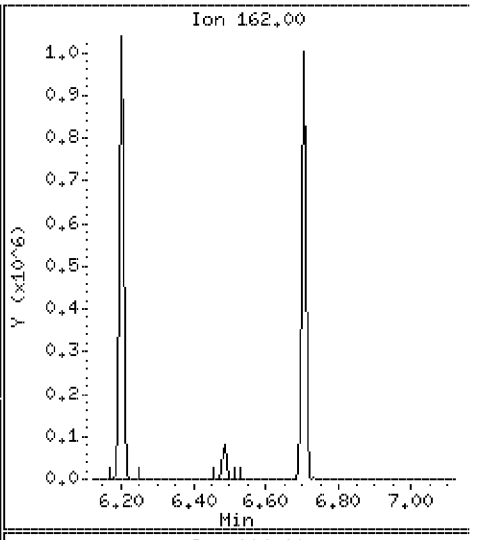
Concentration: 112 ug/l

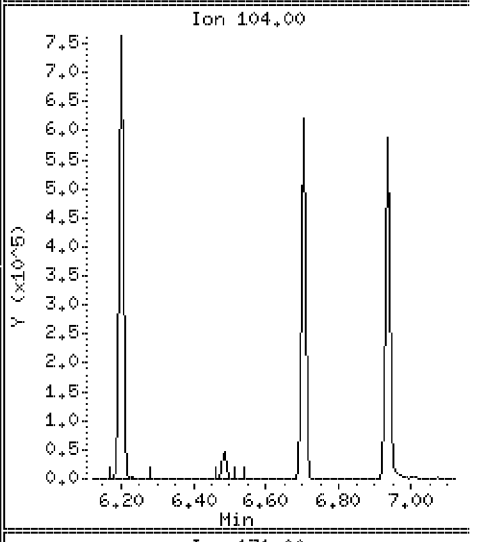


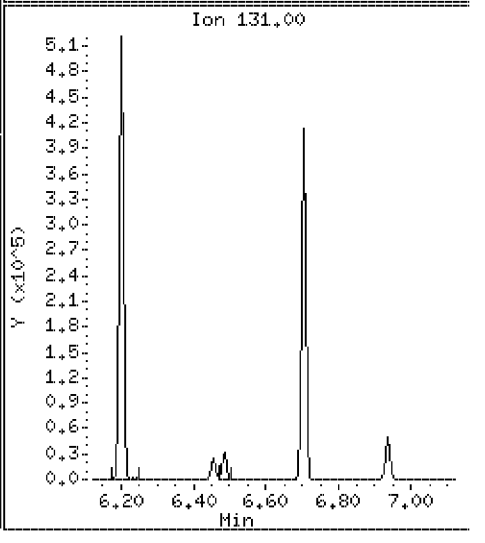












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

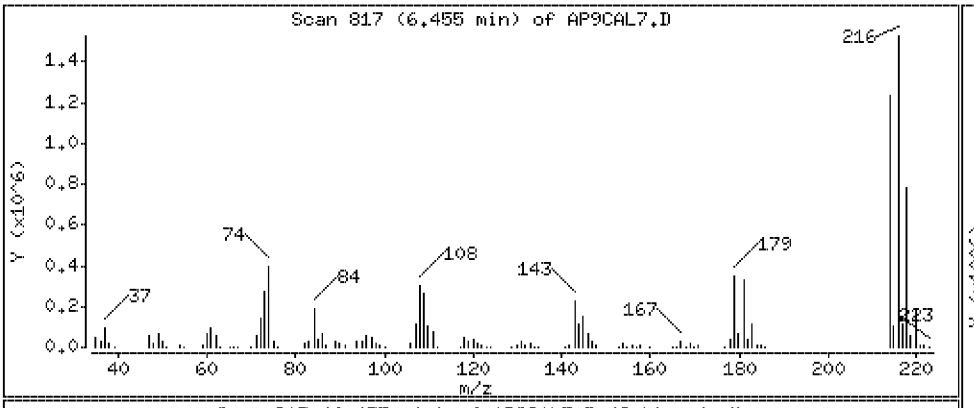
Operator: PEL

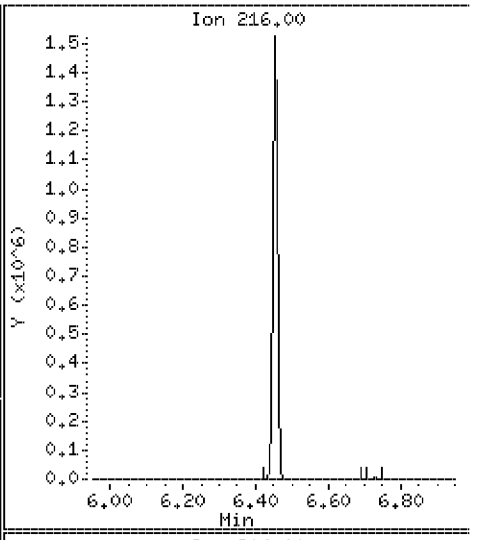
Column phase: HPMS-5

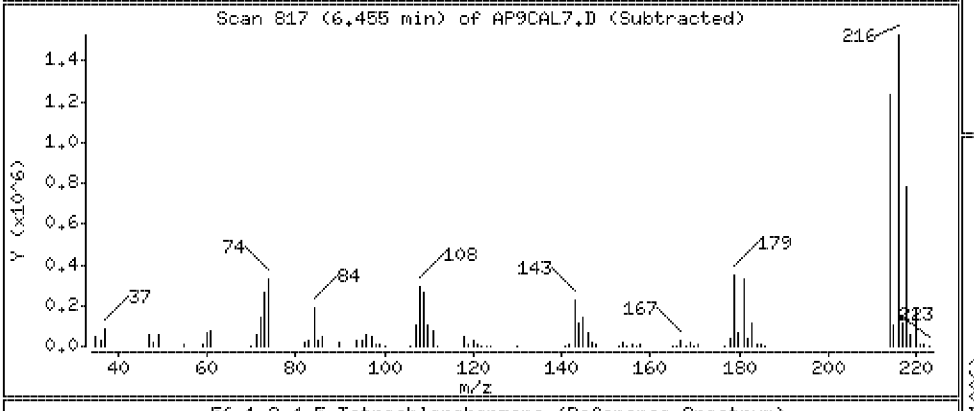
Column diameter: 0.25

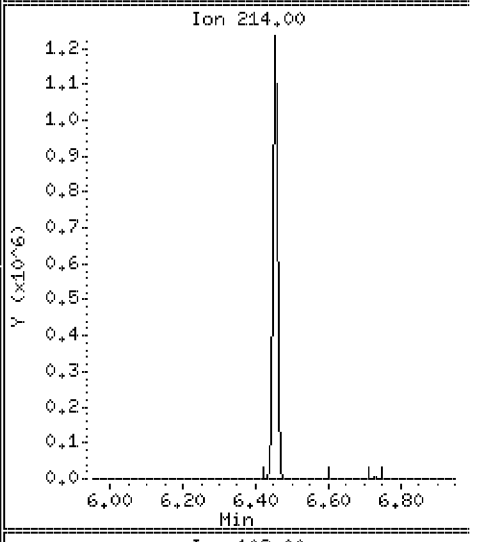
56 1,2,4,5-Tetrachlorobenzene

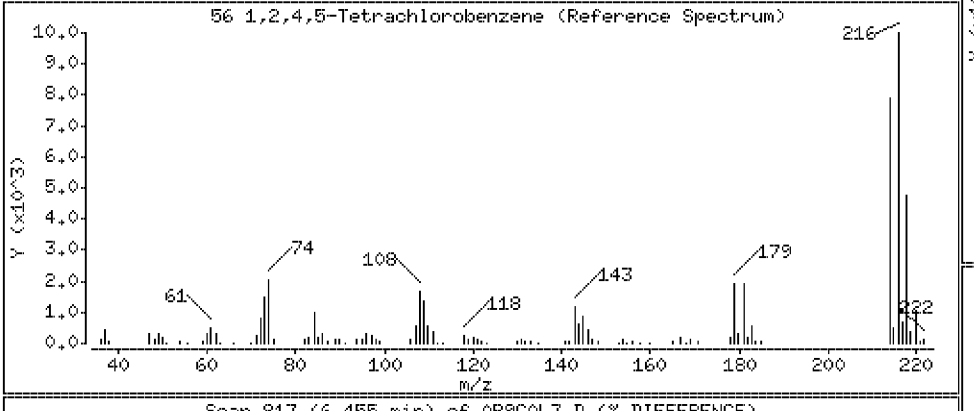
Concentration: 108 ug/l

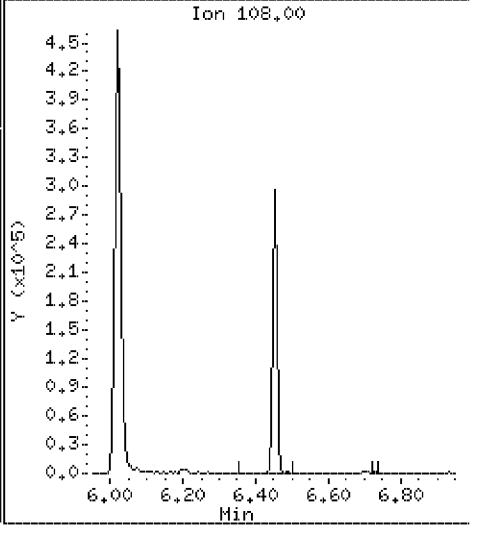


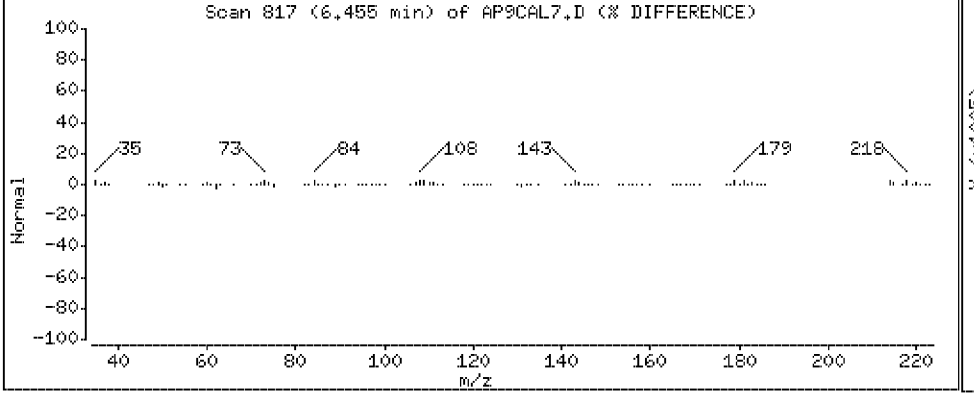












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

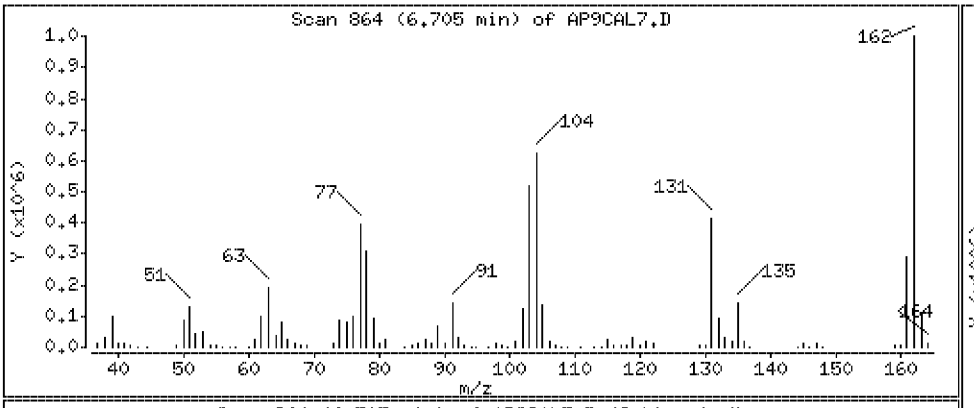
Operator: PEL

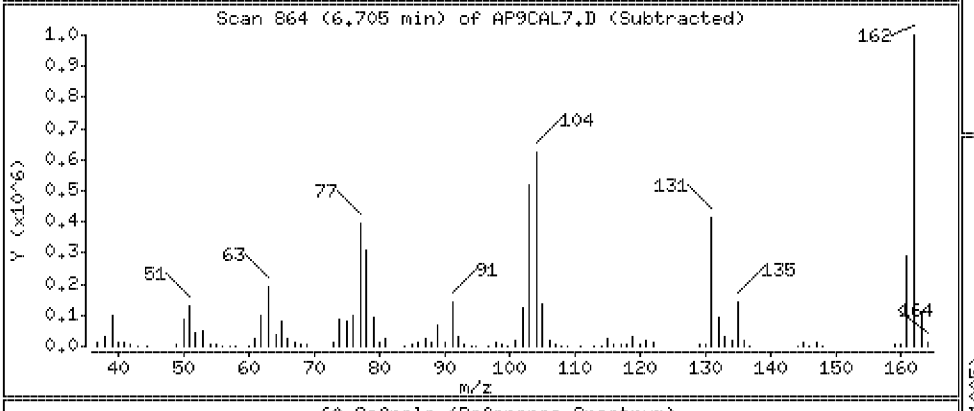
Column phase: HPMS-5

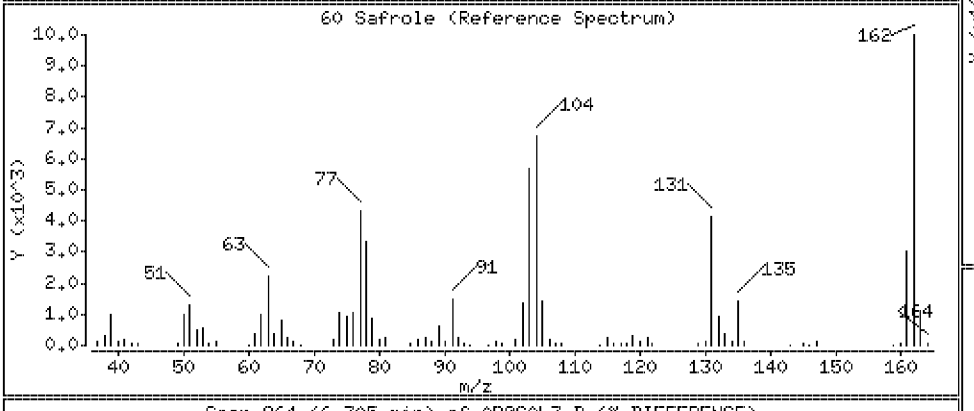
Column diameter: 0.25

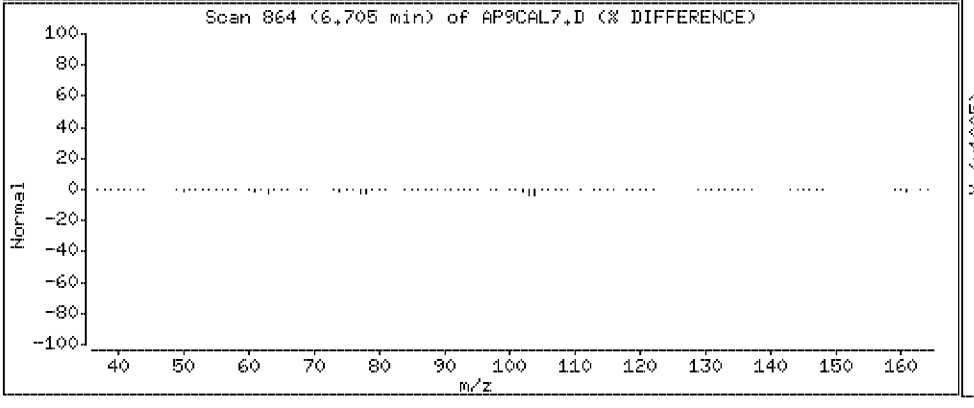
60 Safrole

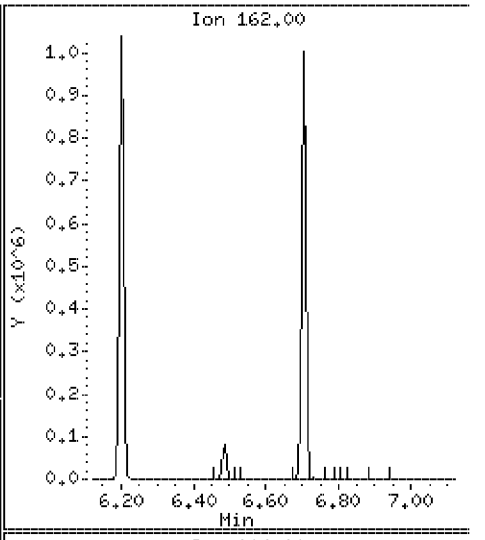
Concentration: 114 ug/l

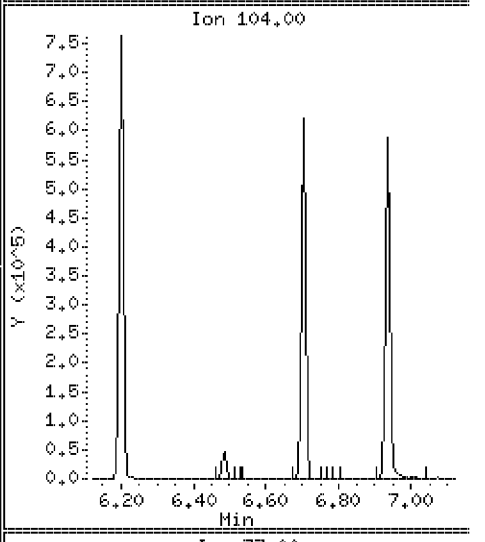


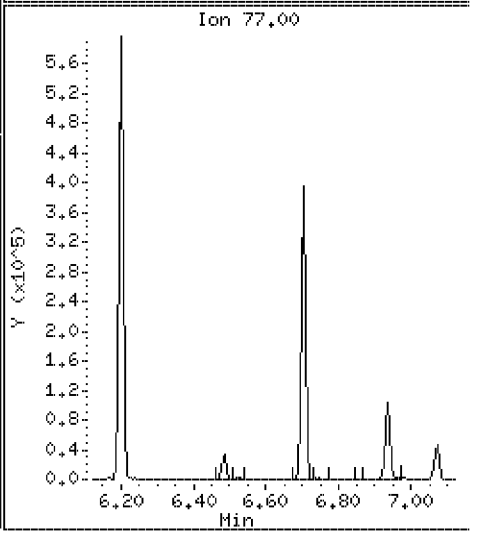












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

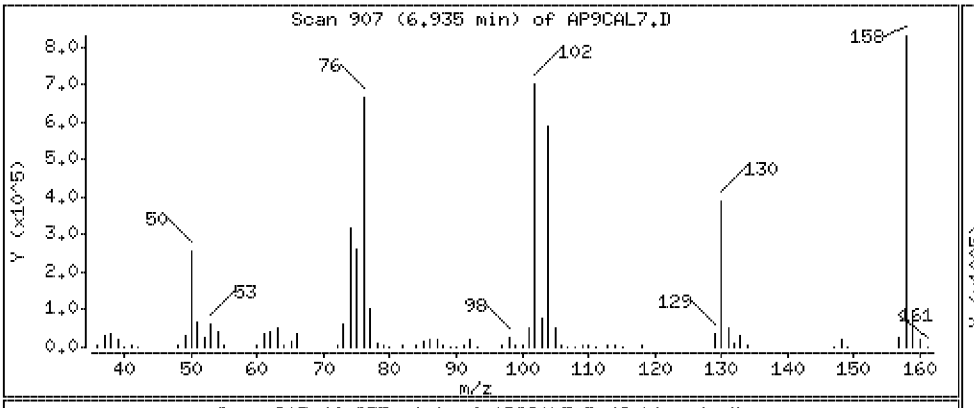
Operator: PEL

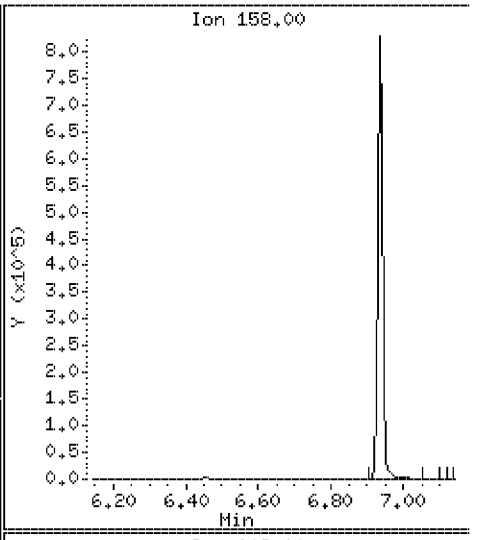
Column phase: HPMS-5

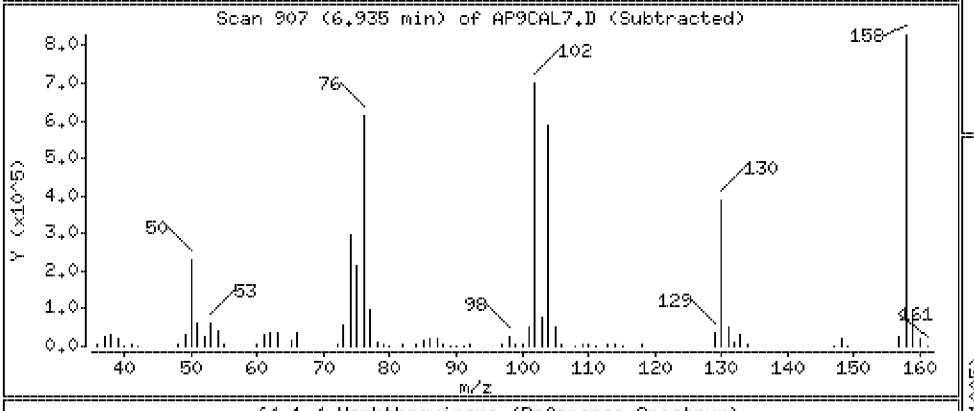
Column diameter: 0.25

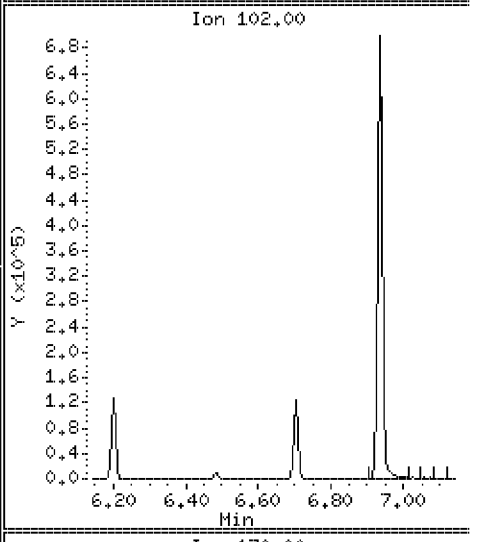
64 1,4-Naphthoquinone

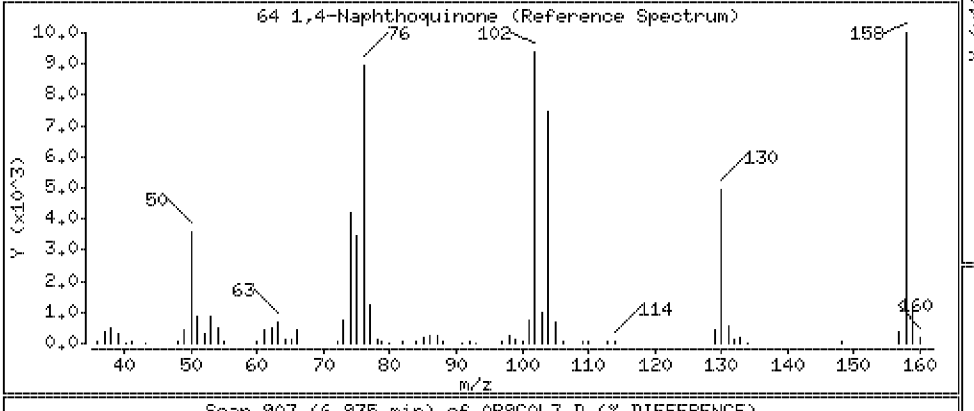
Concentration: 111 ug/l

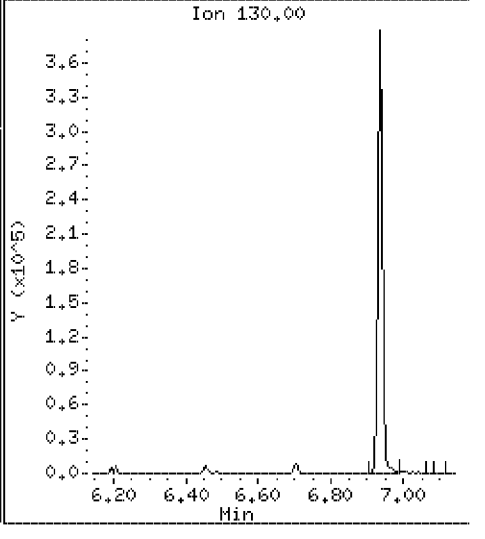


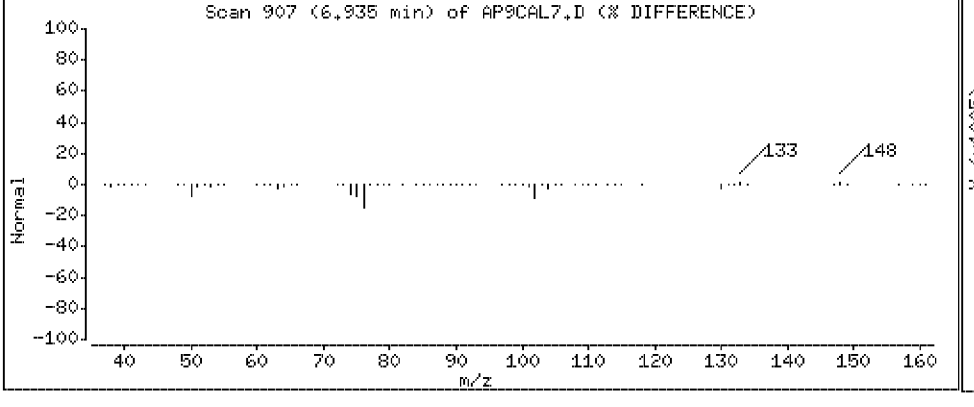












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

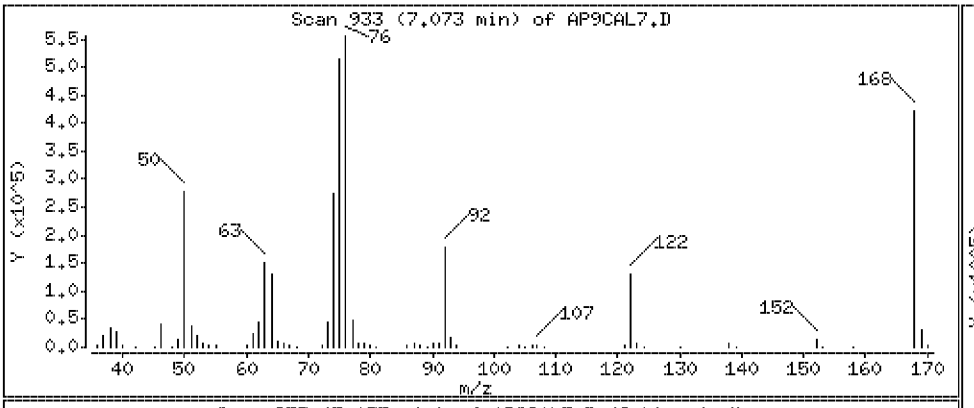
Operator: PEL

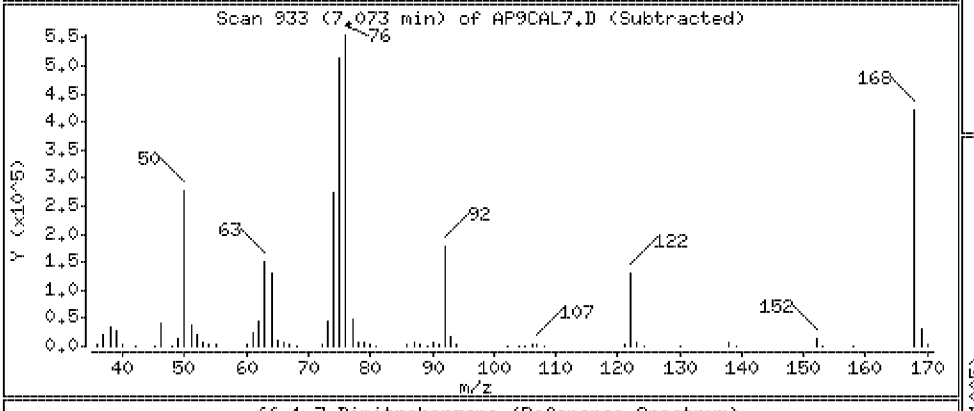
Column phase: HPMS-5

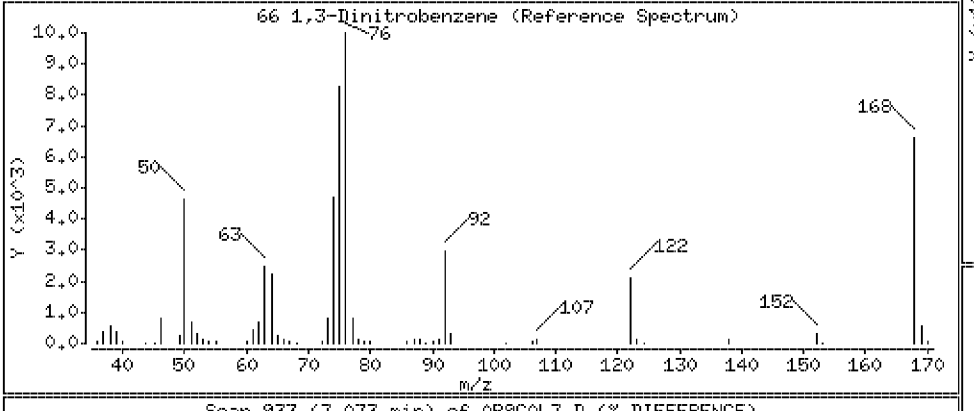
Column diameter: 0.25

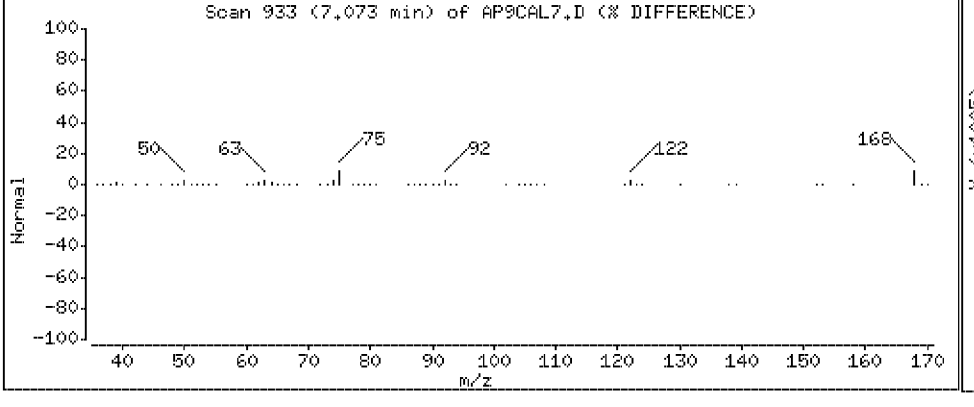
66 1,3-Dinitrobenzene

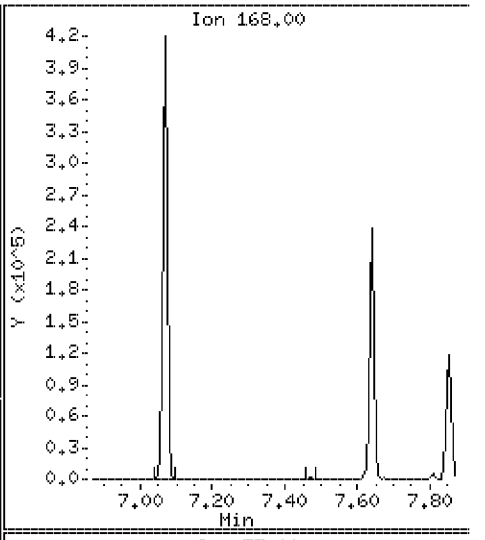
Concentration: 111 ug/l

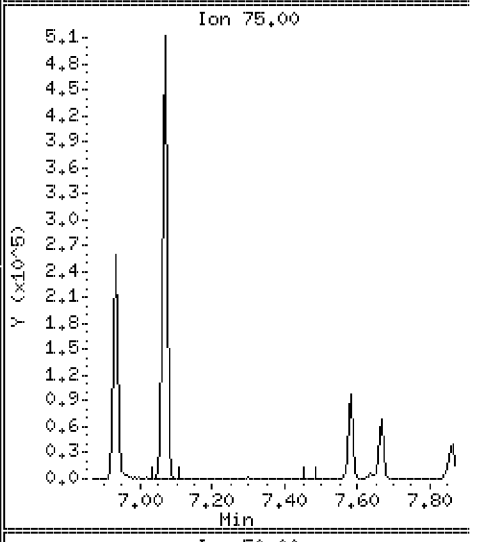


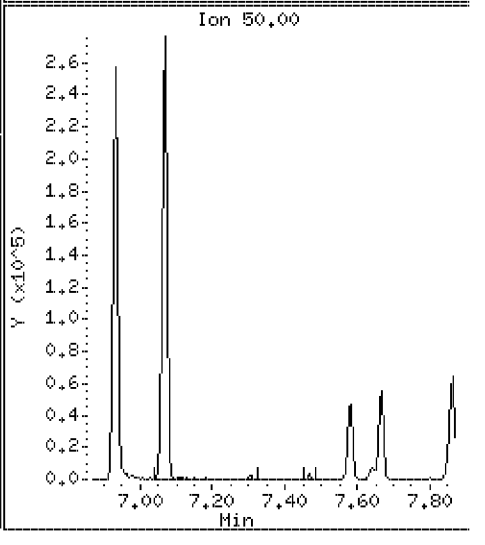












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

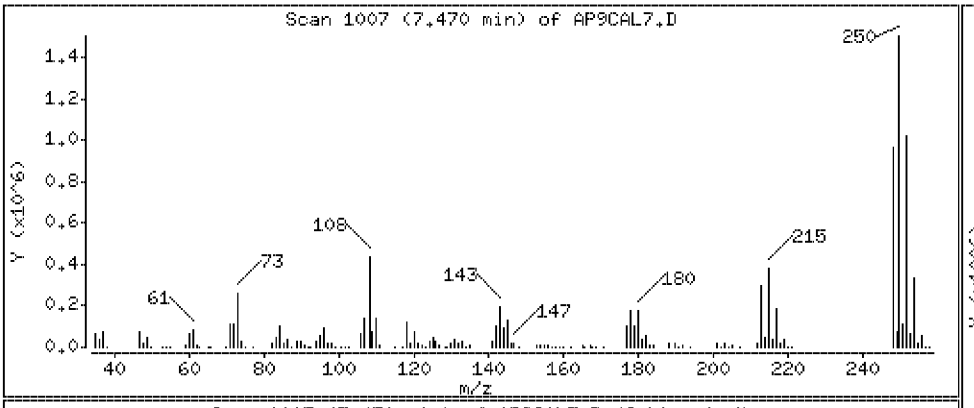
Operator: PEL

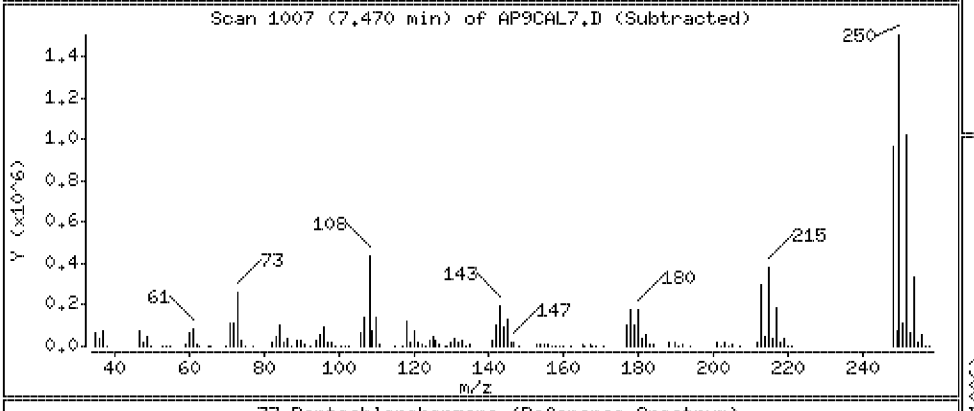
Column phase: HPMS-5

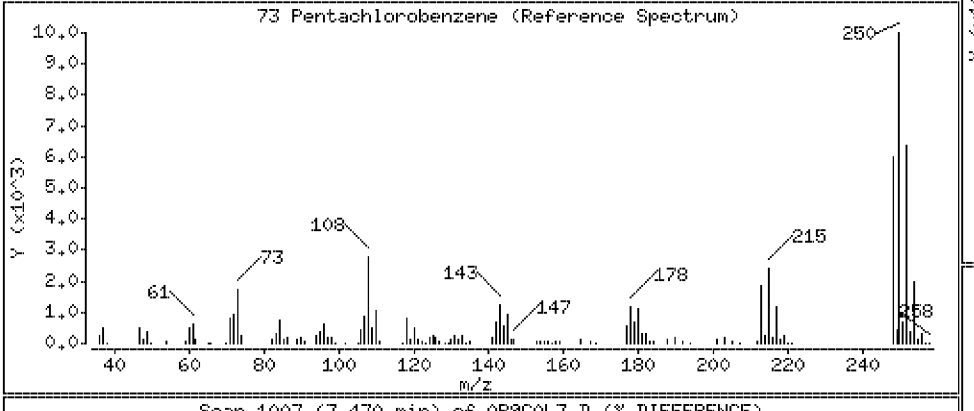
Column diameter: 0.25

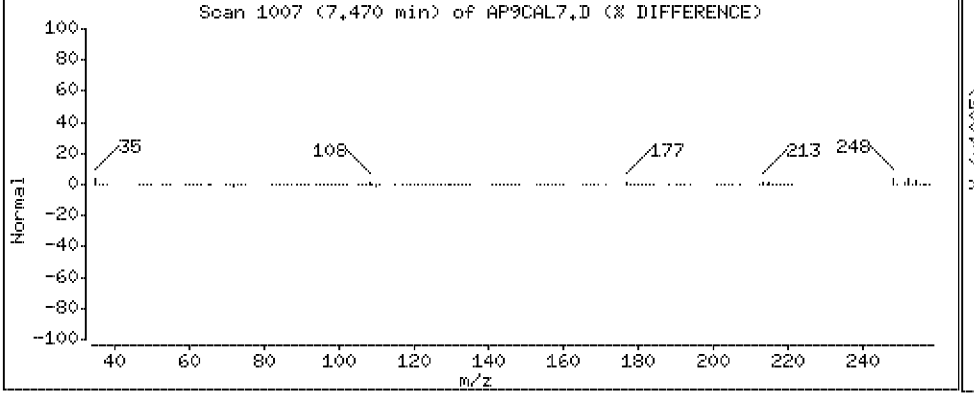
73 Pentachlorobenzene

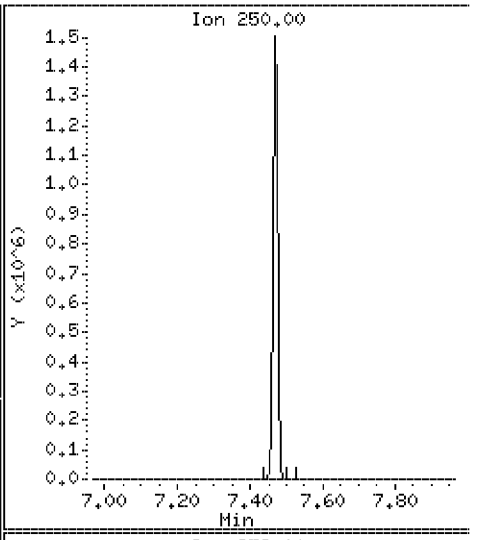
Concentration: 110 ug/l

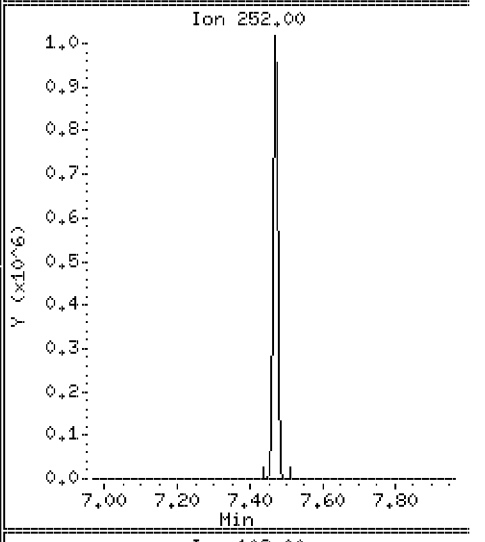


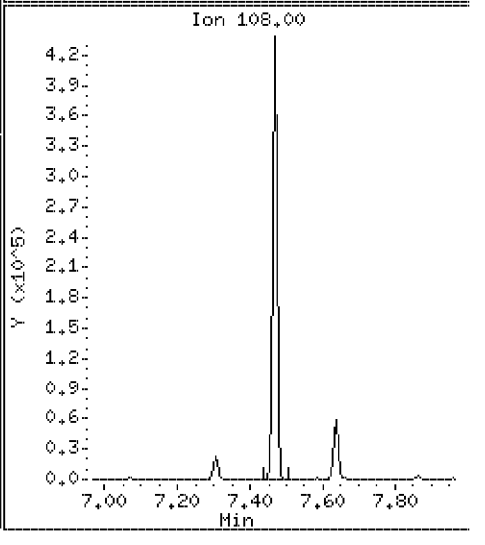












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

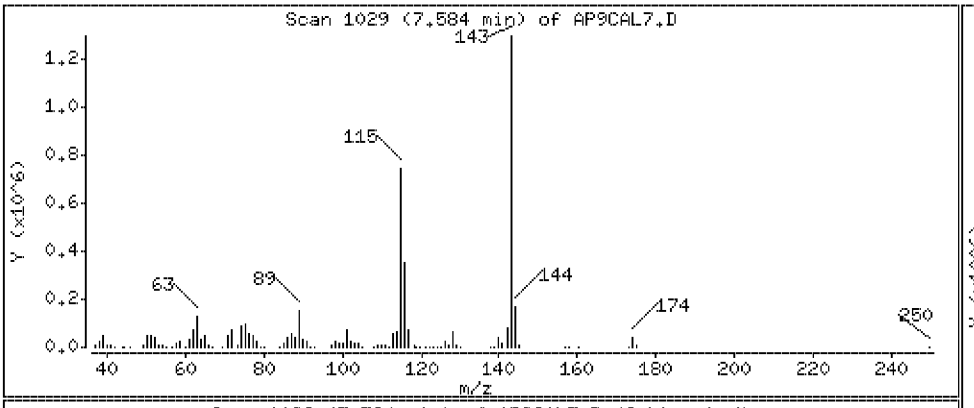
Operator: PEL

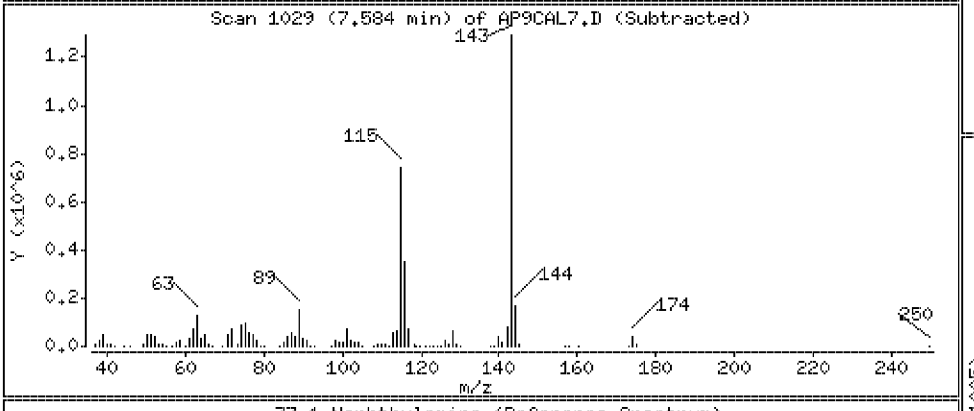
Column phase: HPMS-5

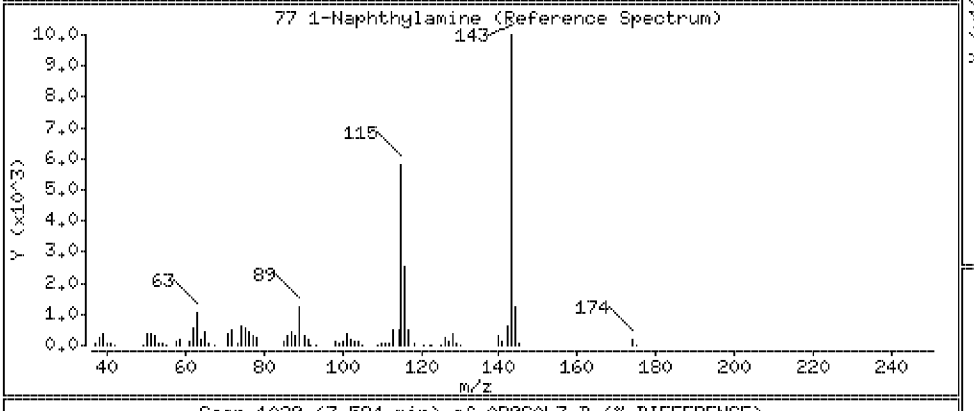
Column diameter: 0.25

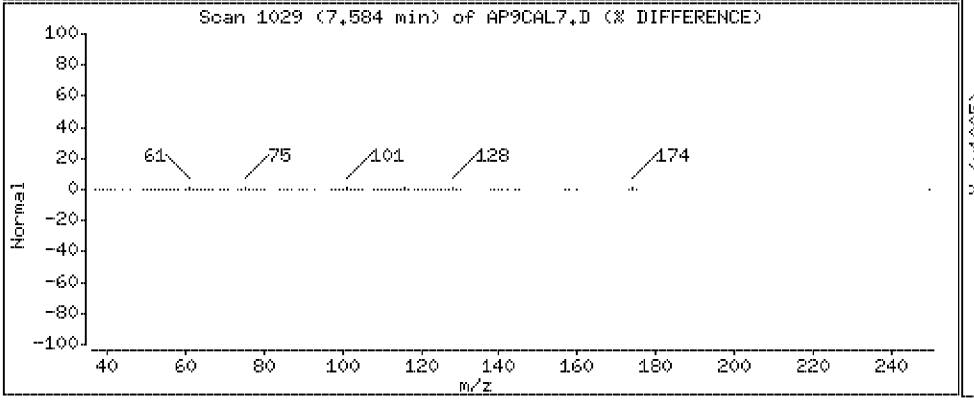
77 1-Naphthylamine

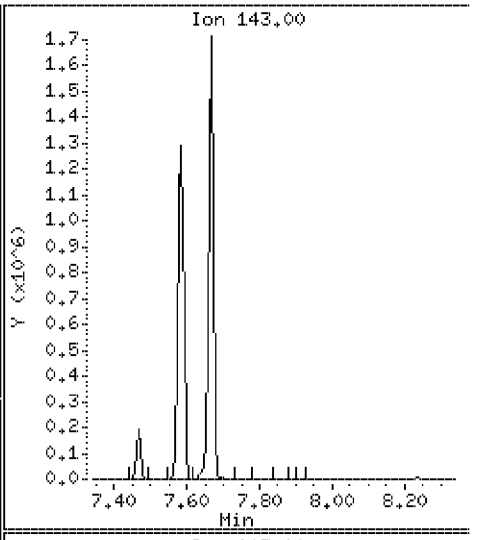
Concentration: 105 ug/l

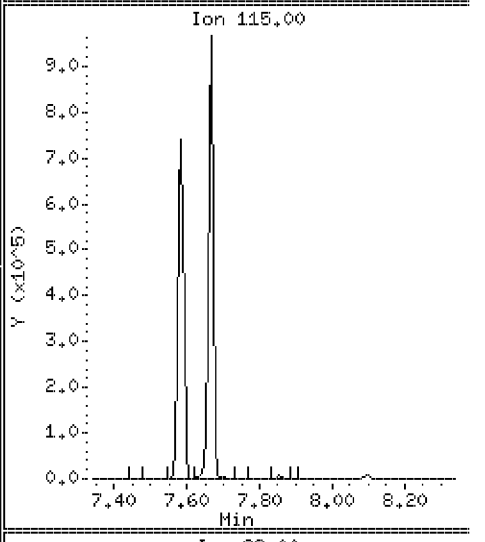


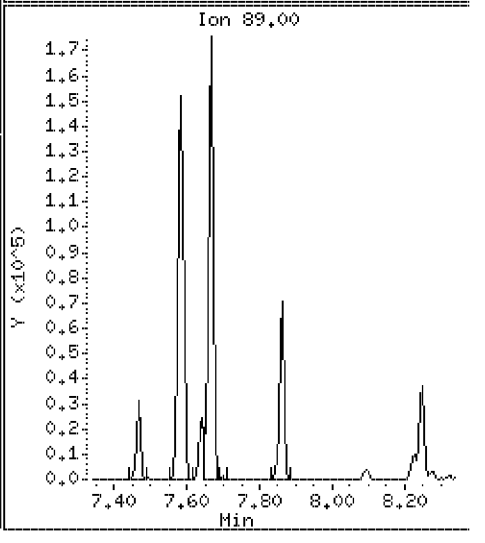












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

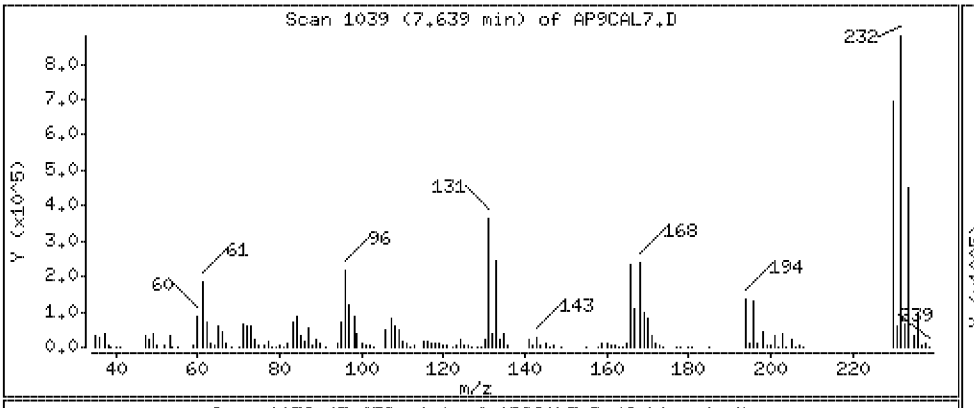
Operator: PEL

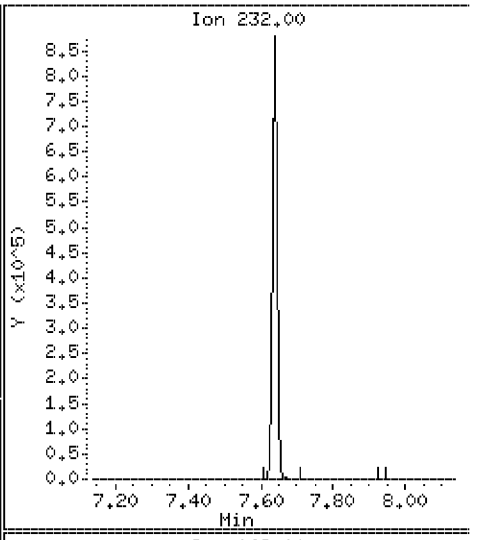
Column phase: HPMS-5

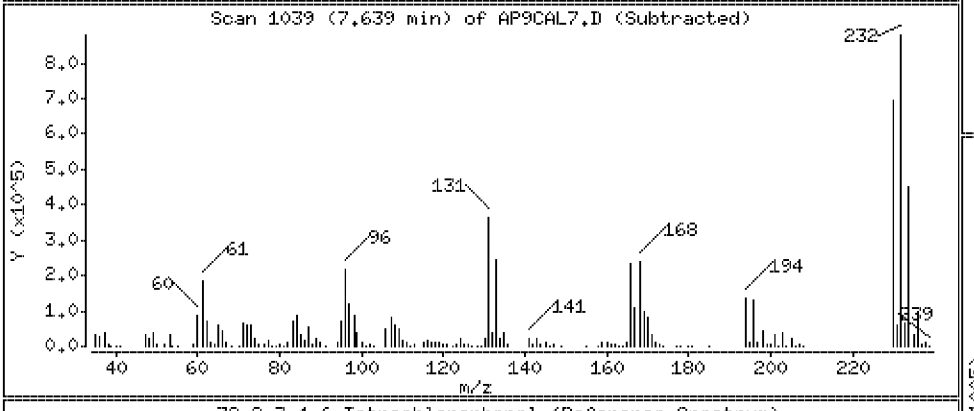
Column diameter: 0.25

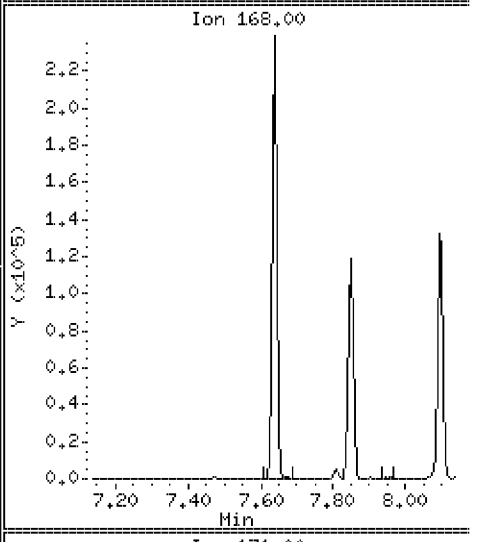
78 2,3,4,6-Tetrachlorophenol

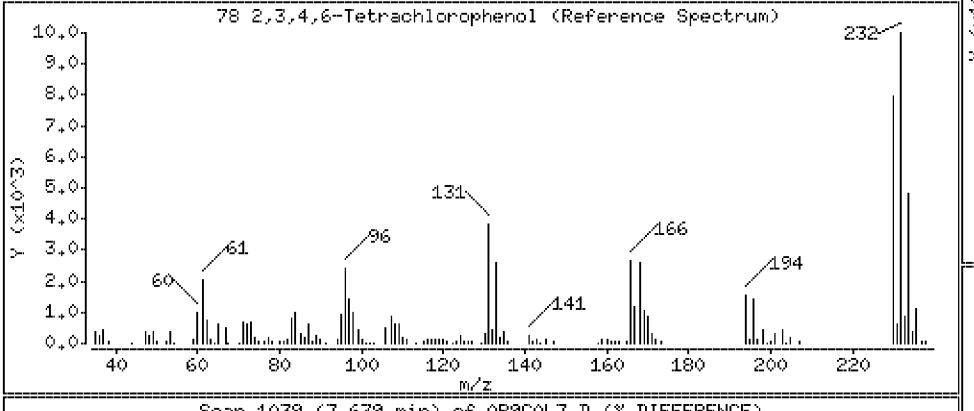
Concentration: 115 ug/l

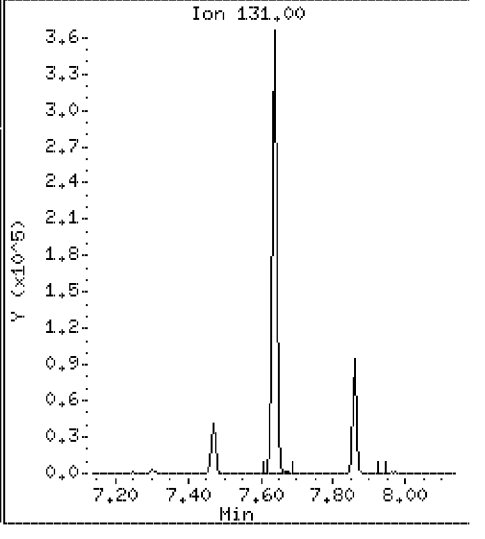


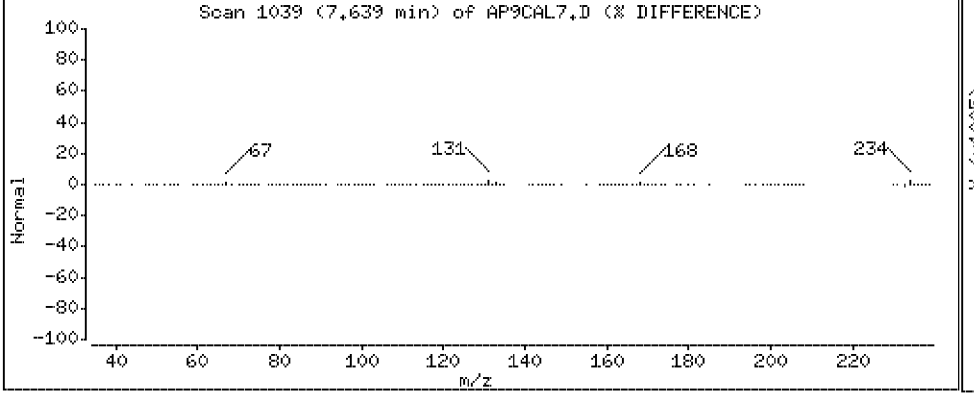












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

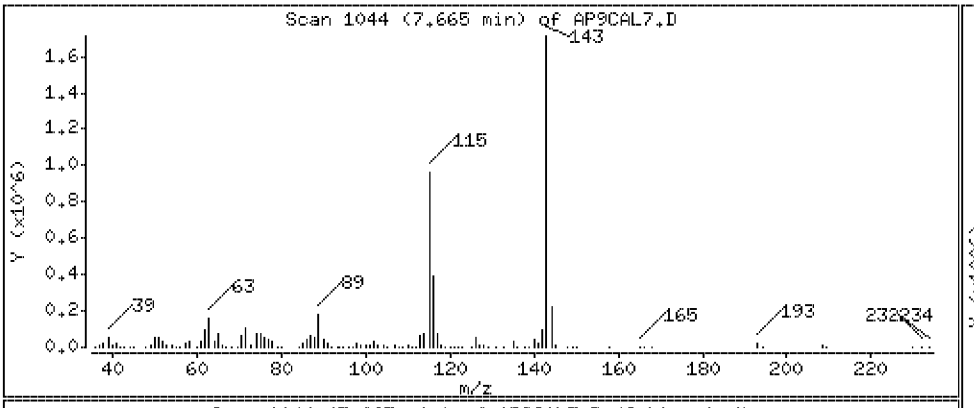
Operator: PEL

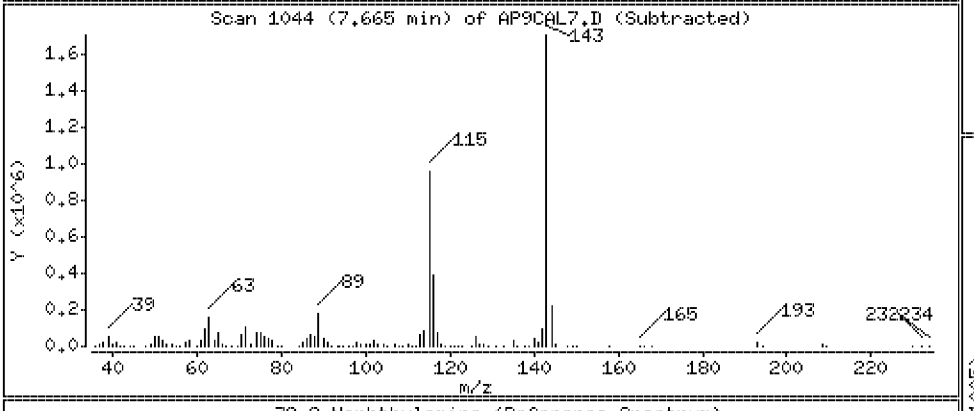
Column phase: HPMS-5

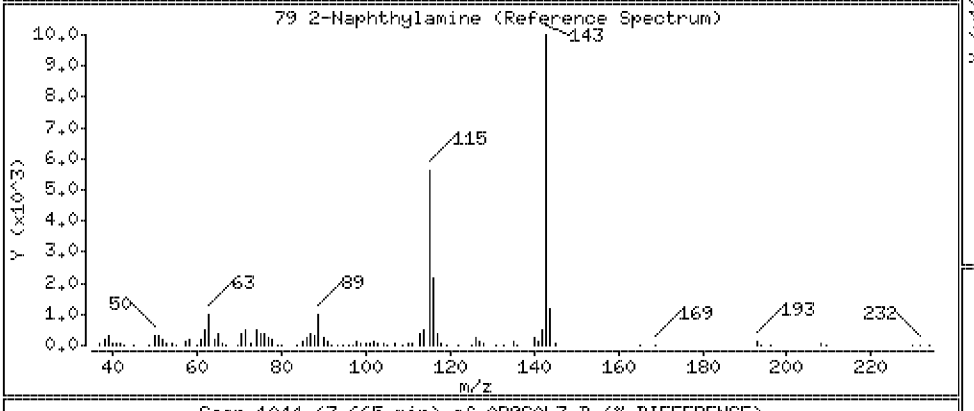
Column diameter: 0.25

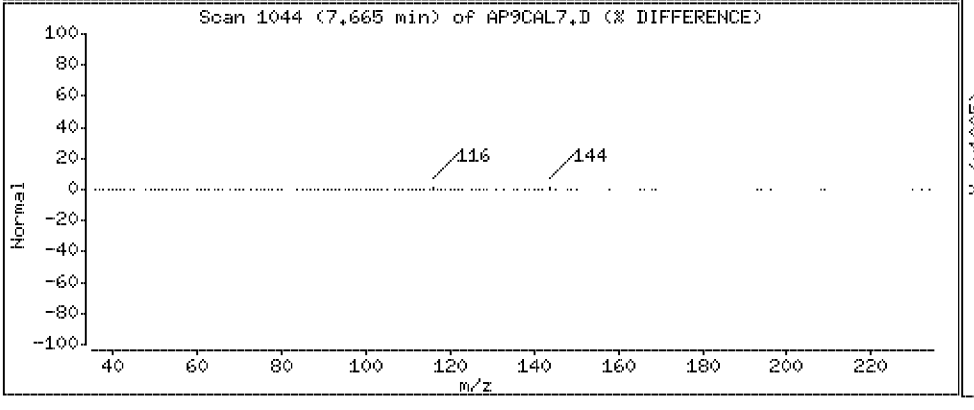
79 2-Naphthylamine

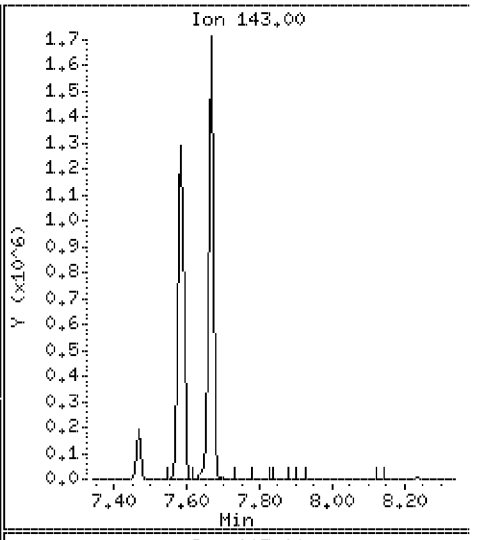
Concentration: 106 ug/l

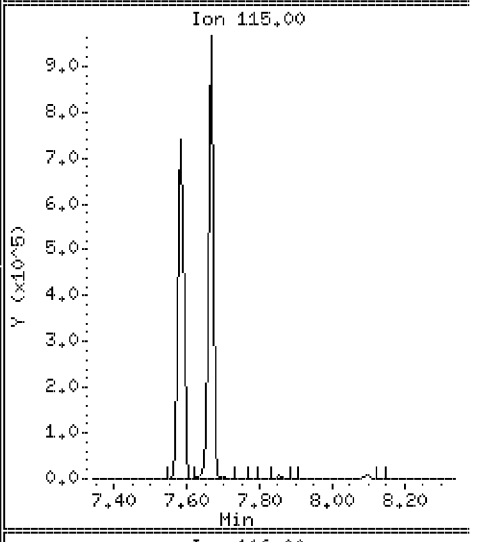


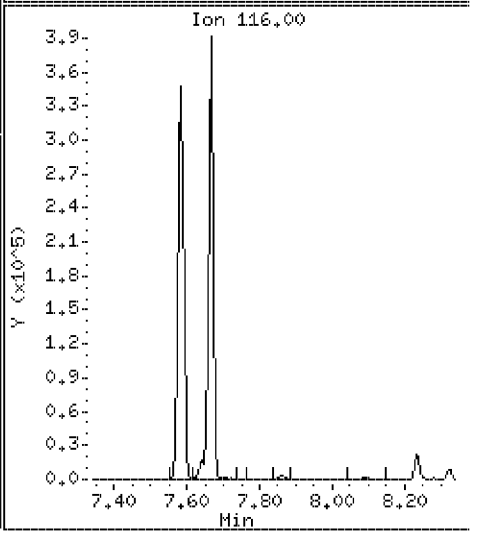












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

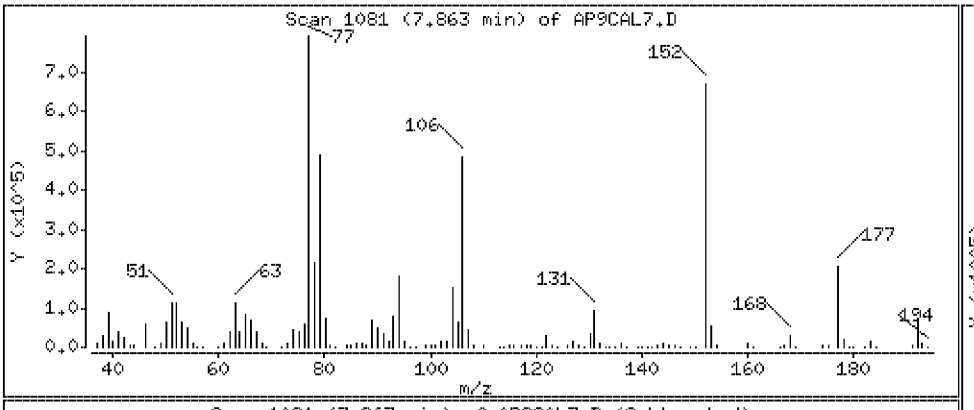
Operator: PEL

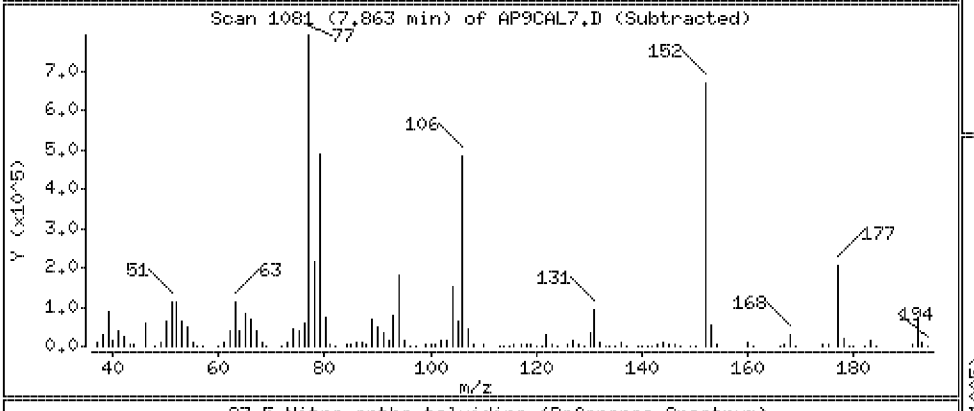
Column phase: HPMS-5

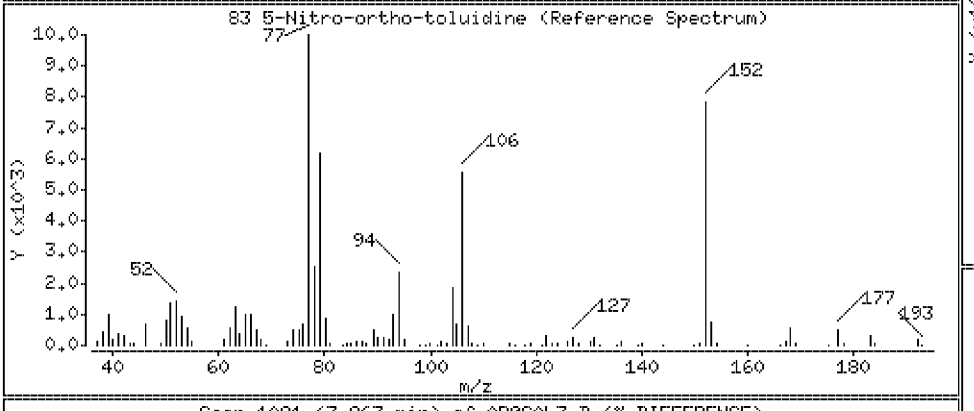
Column diameter: 0.25

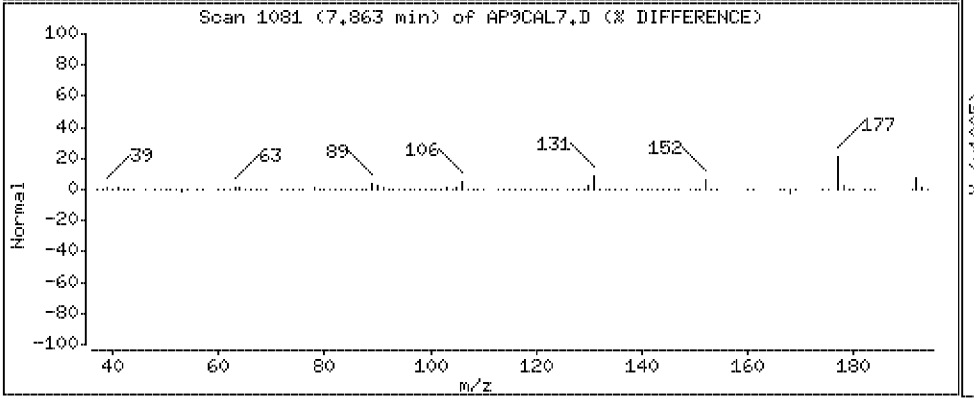
83 5-Nitro-ortho-toluidine

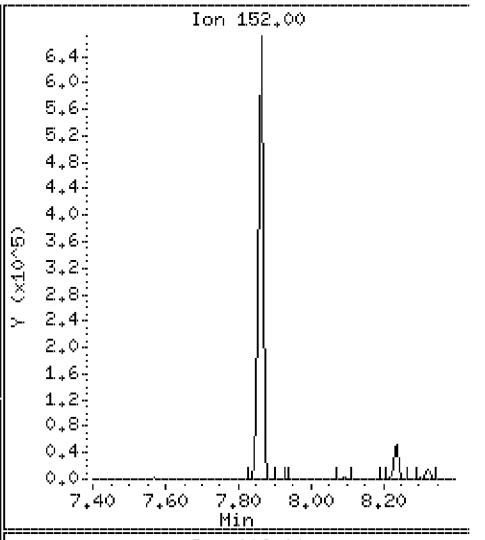
Concentration: 109 ug/l

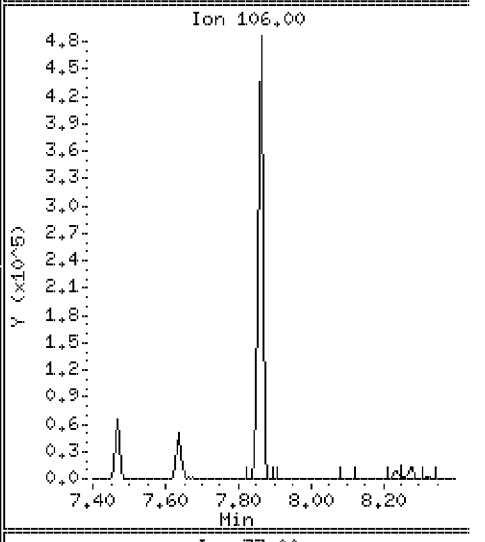


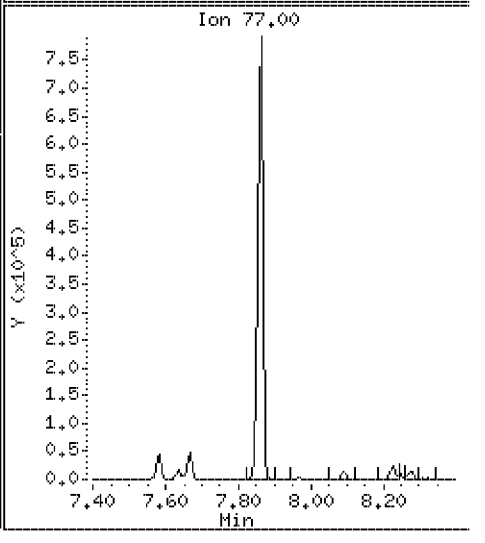












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

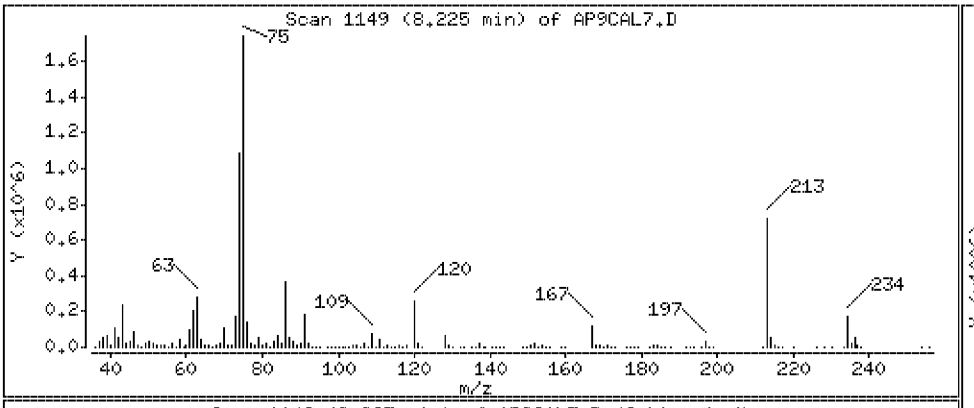
Operator: PEL

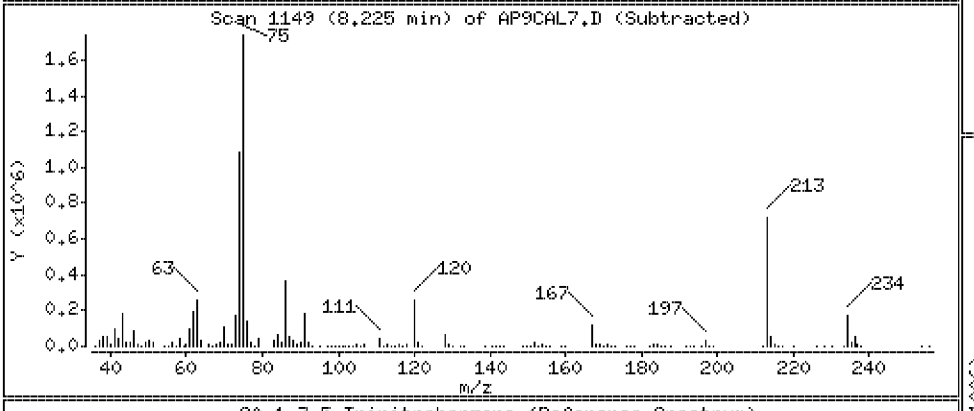
Column phase: HPMS-5

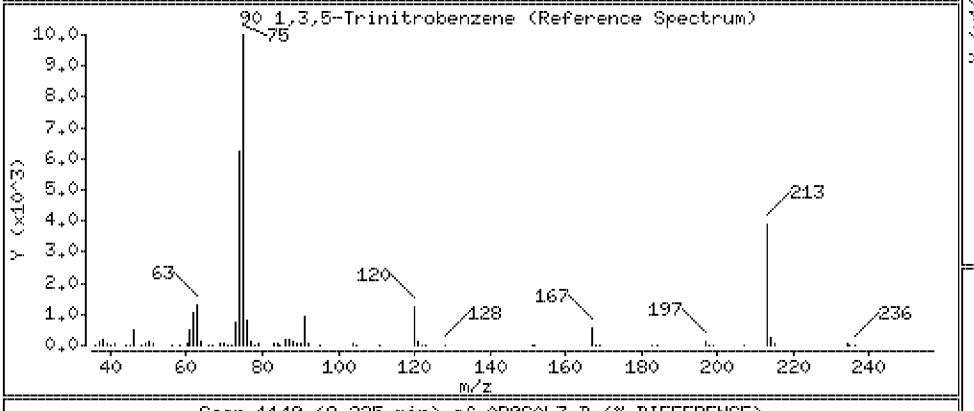
Column diameter: 0.25

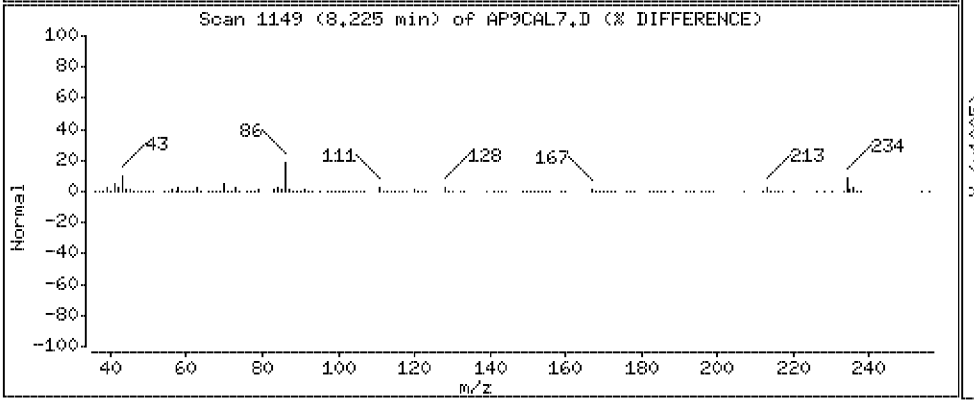
90 1,3,5-Trinitrobenzene

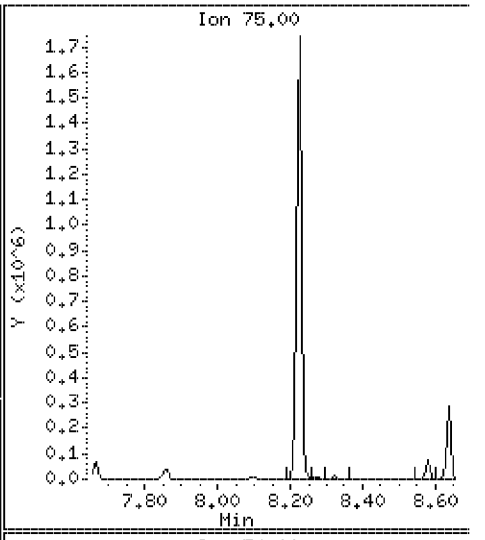
Concentration: 102 ug/l

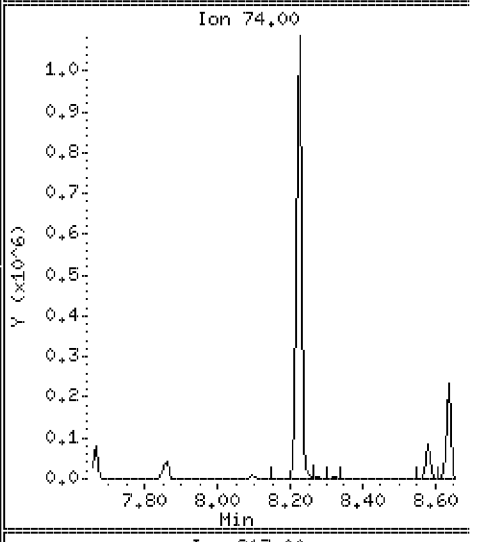


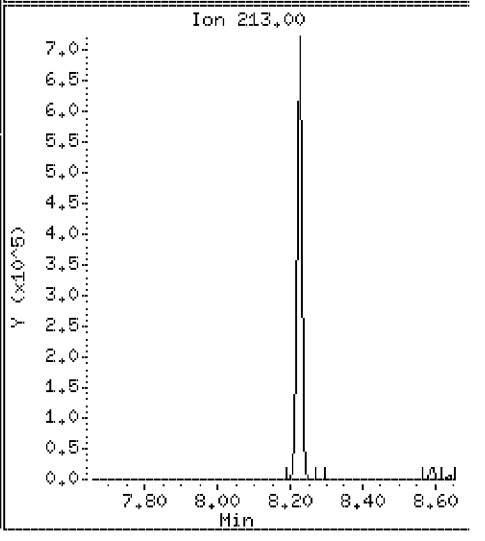












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

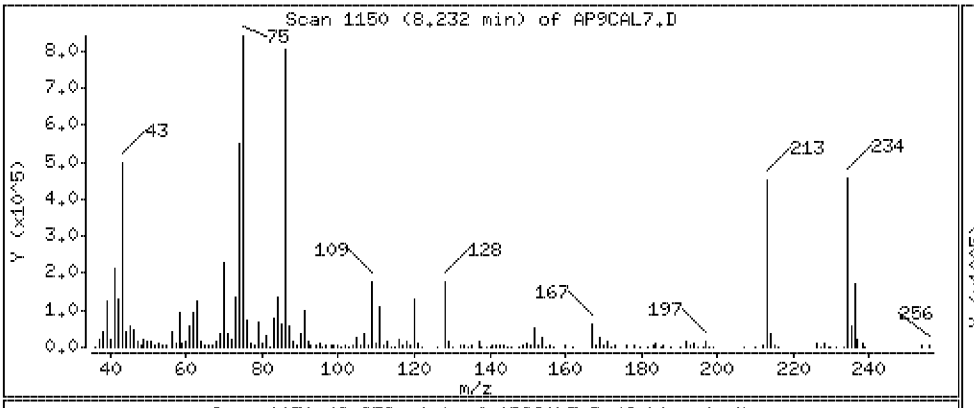
Operator: PEL

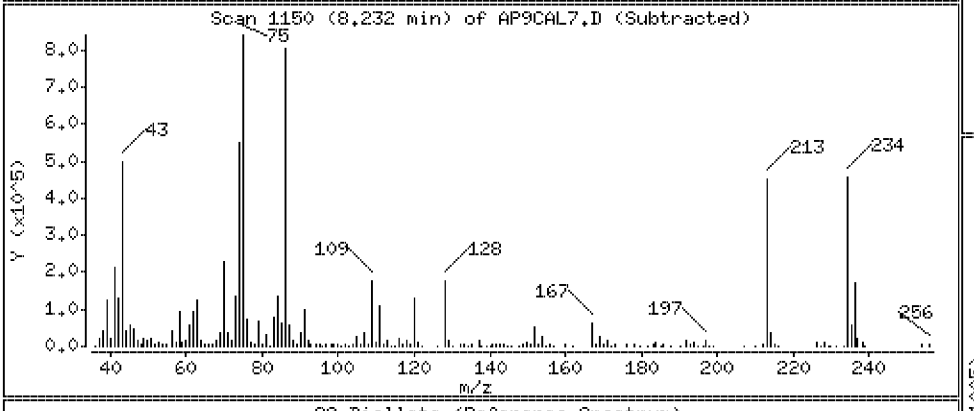
Column phase: HPMS-5

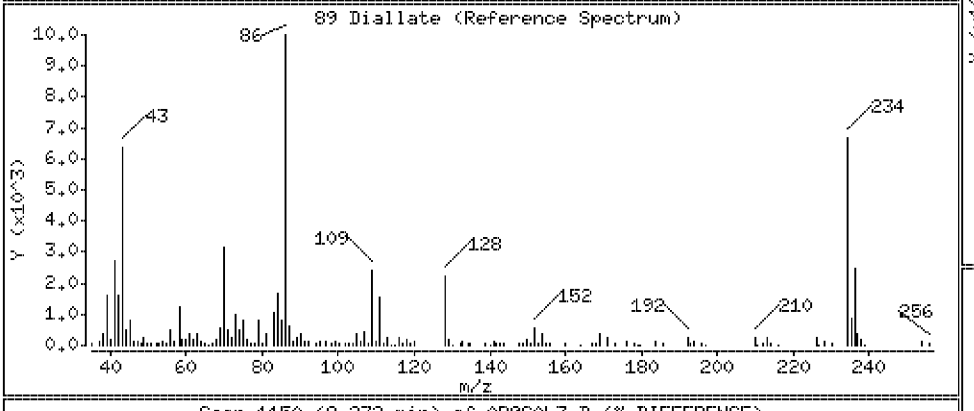
Column diameter: 0.25

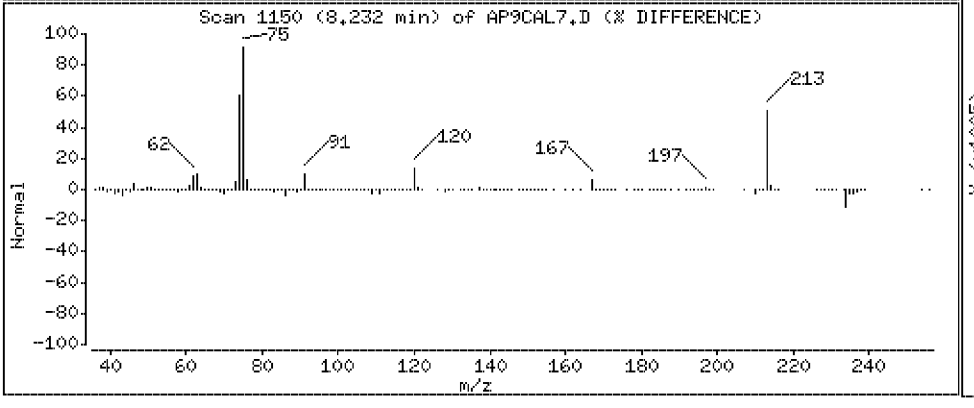
89 Diallate

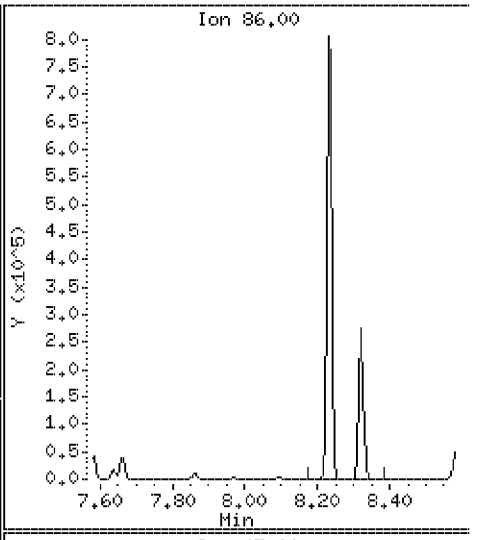
Concentration: 118 ug/l

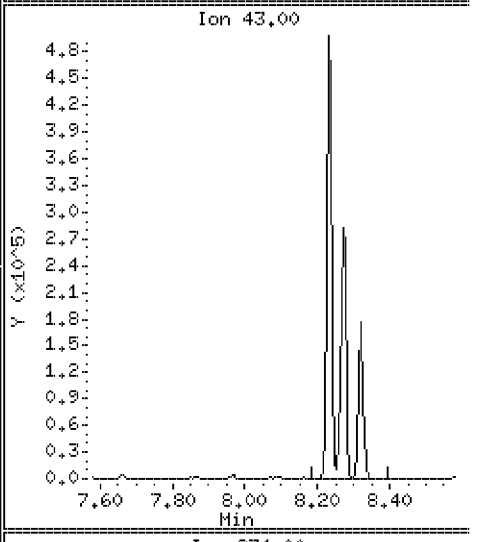


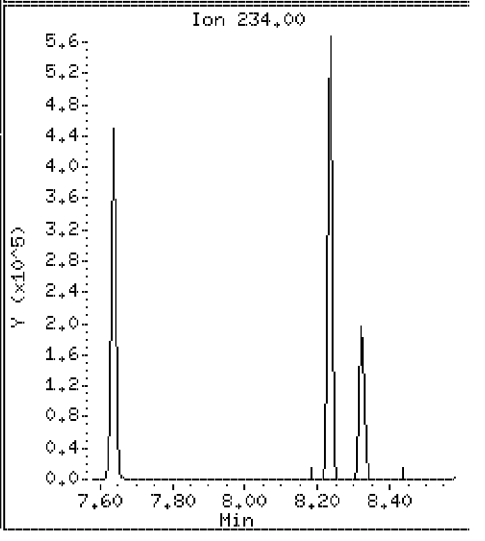












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

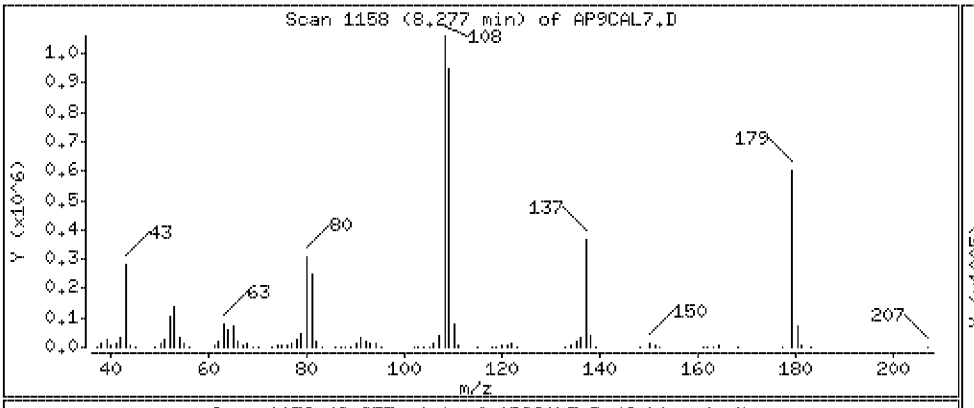
Operator: PEL

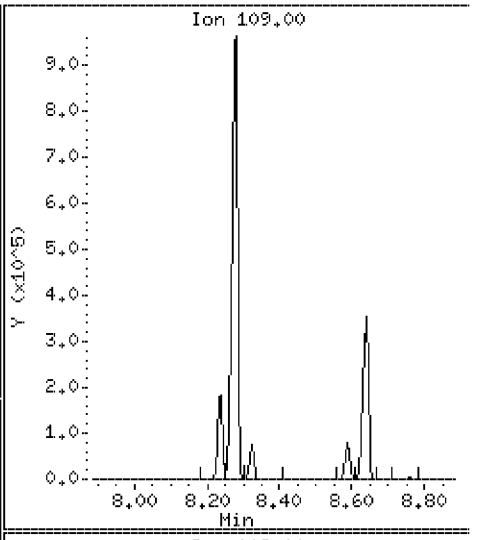
Column phase: HPMS-5

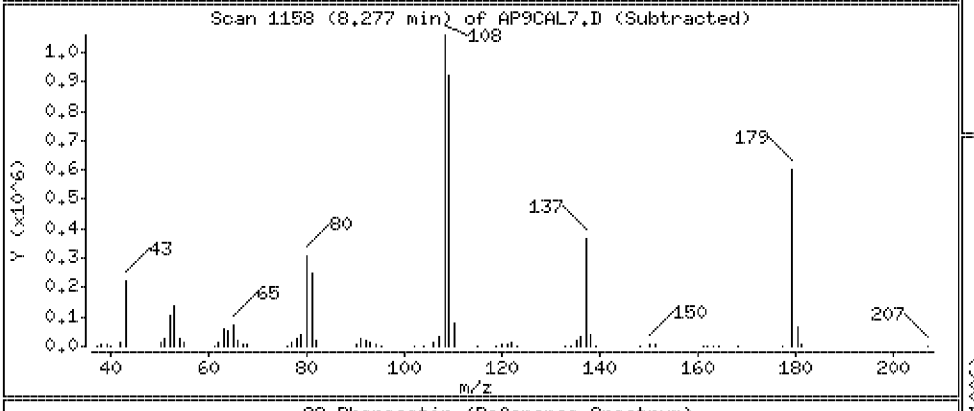
Column diameter: 0.25

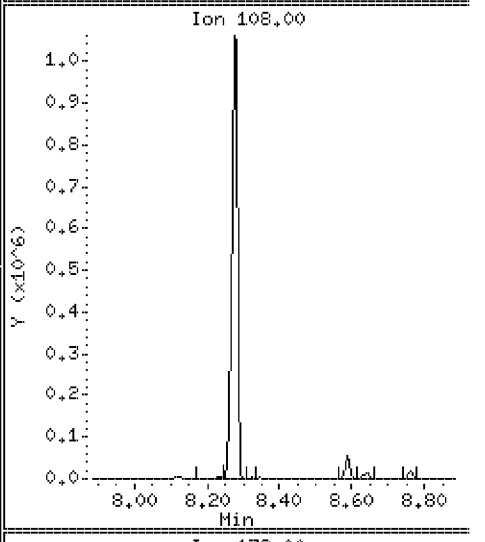
92 Phenacetin

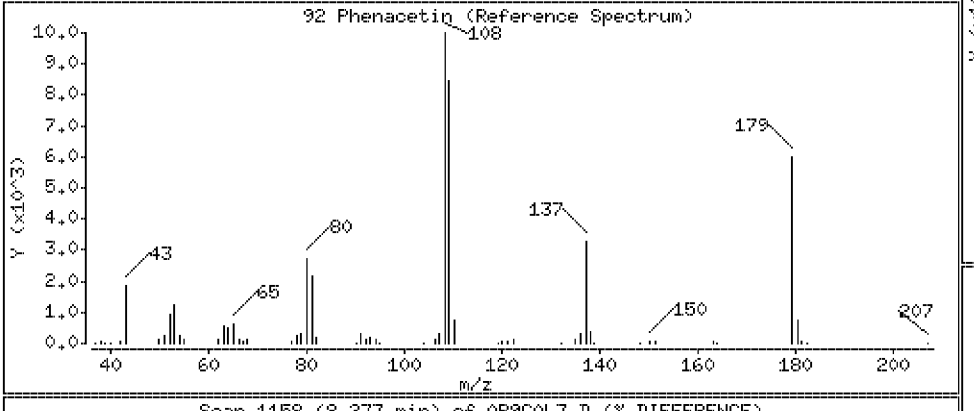
Concentration: 103 ug/l

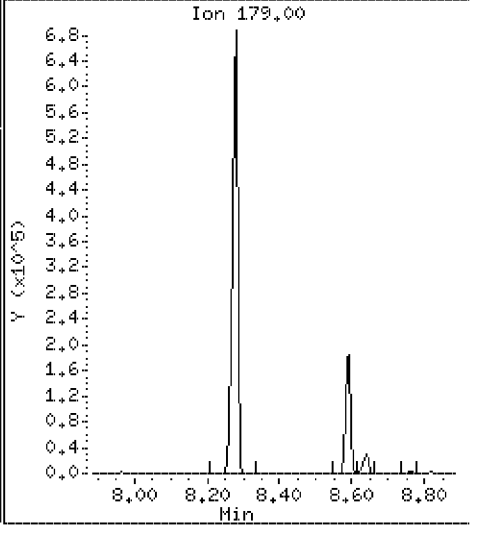


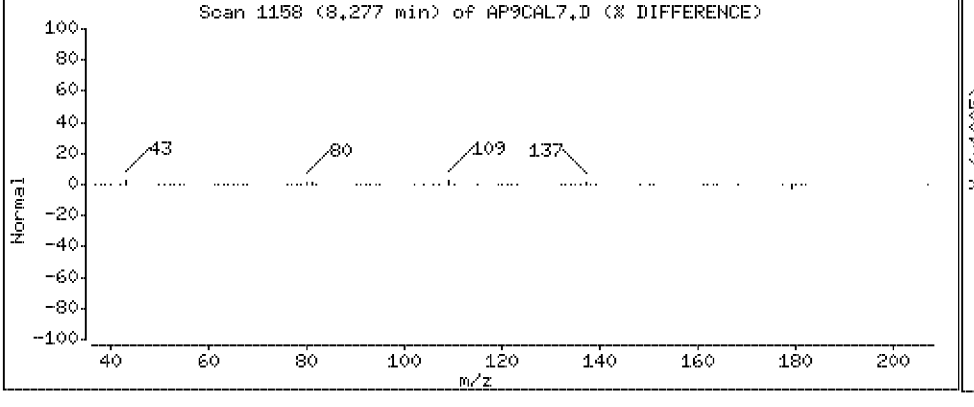












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

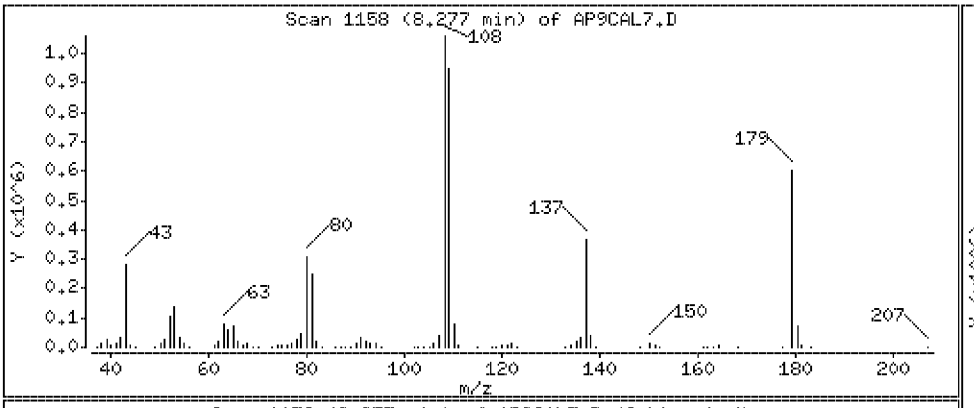
Operator: PEL

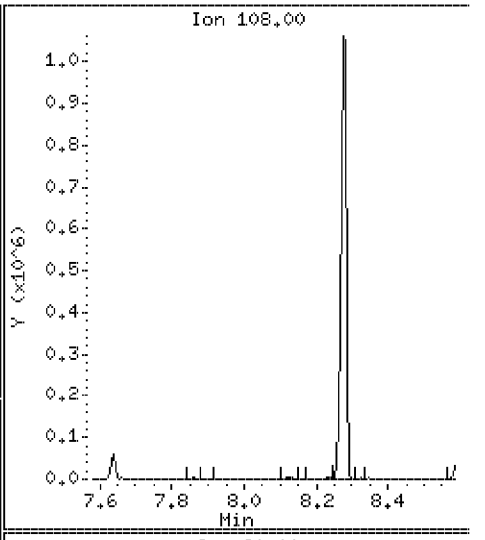
Column phase: HPMS-5

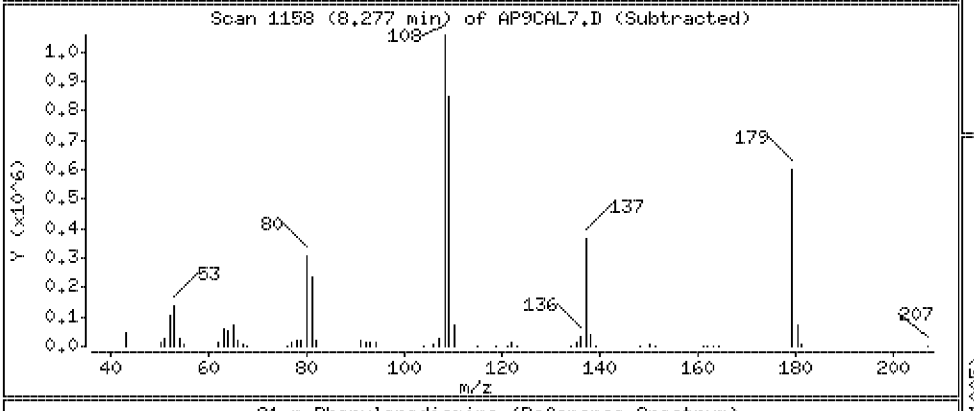
Column diameter: 0.25

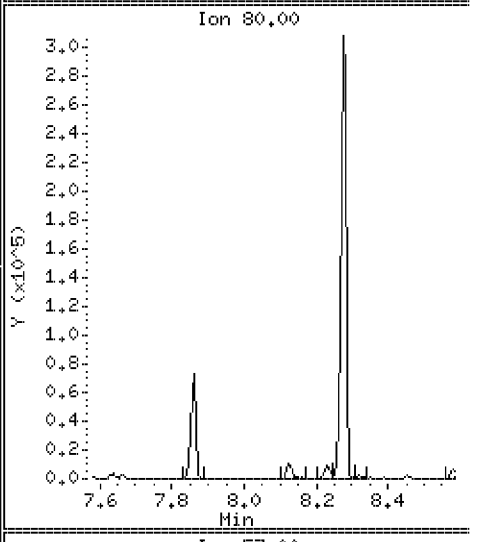
91 p-Phenylenediamine

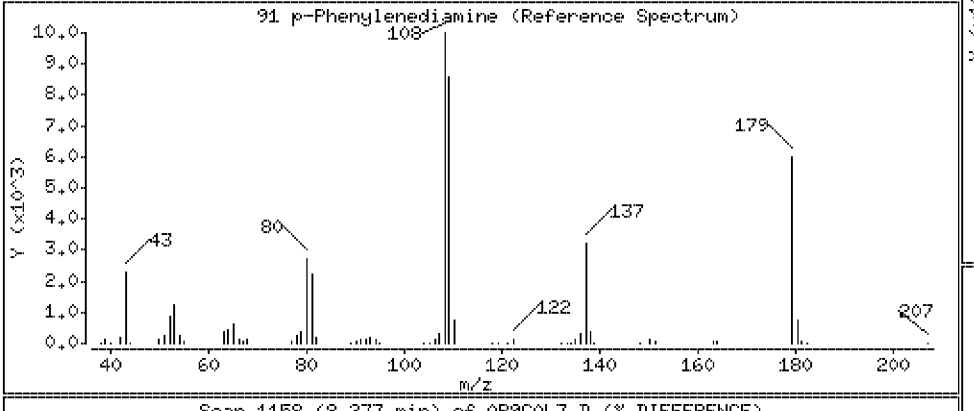
Concentration: 106 ug/l

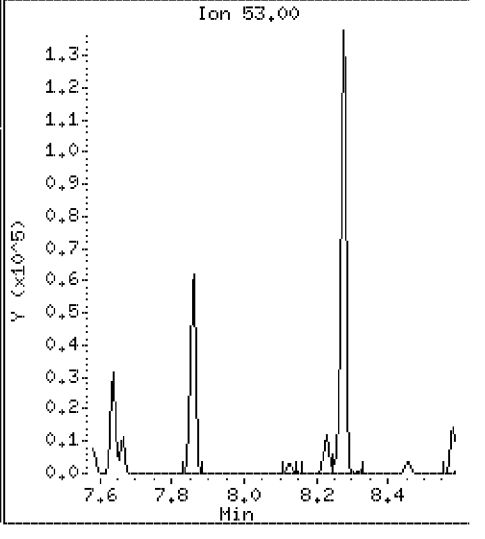


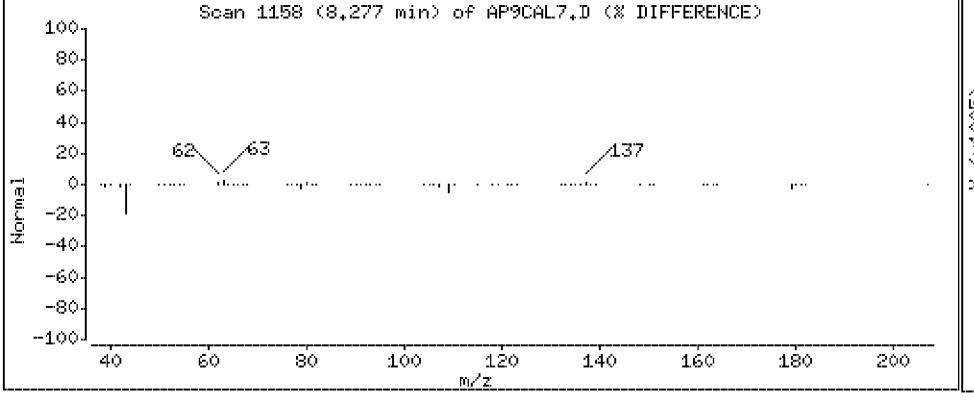












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

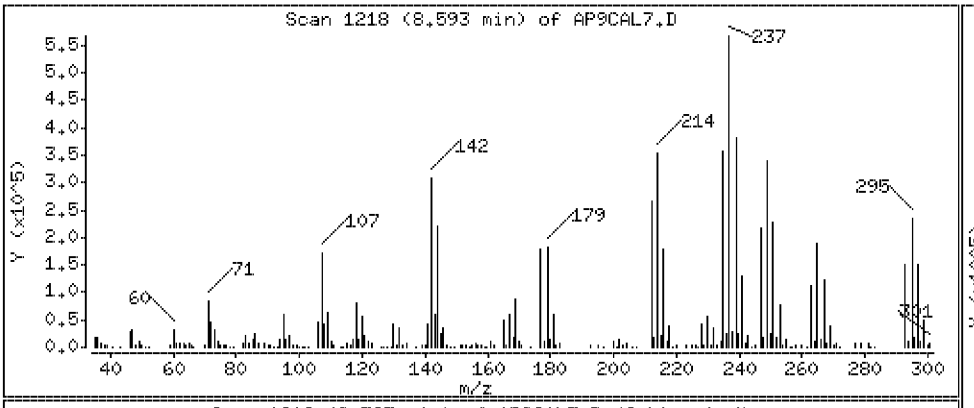
Operator: PEL

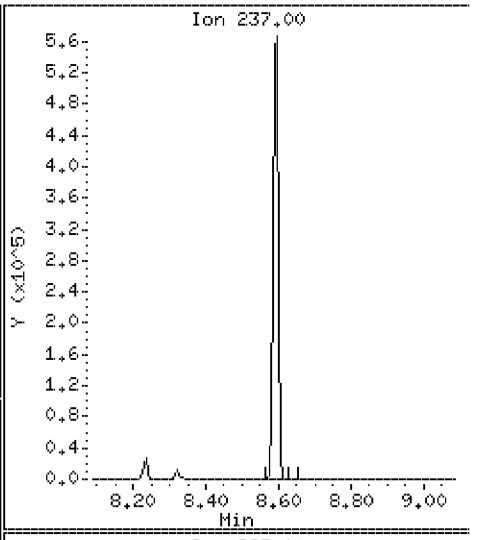
Column phase: HPMS-5

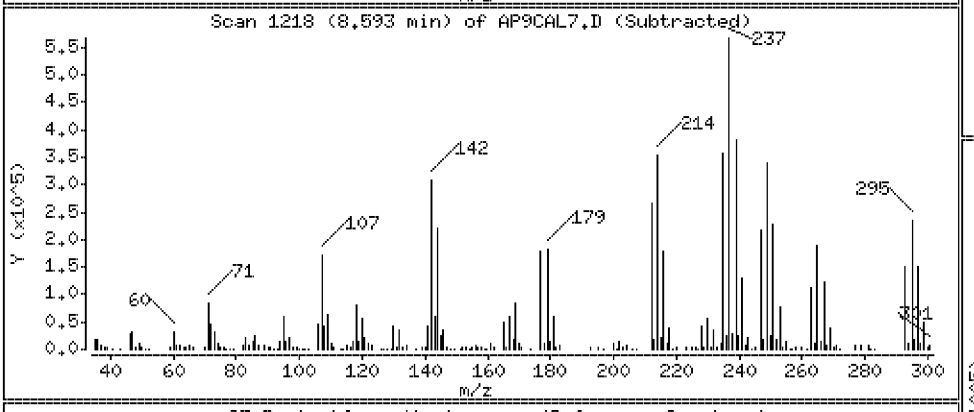
Column diameter: 0.25

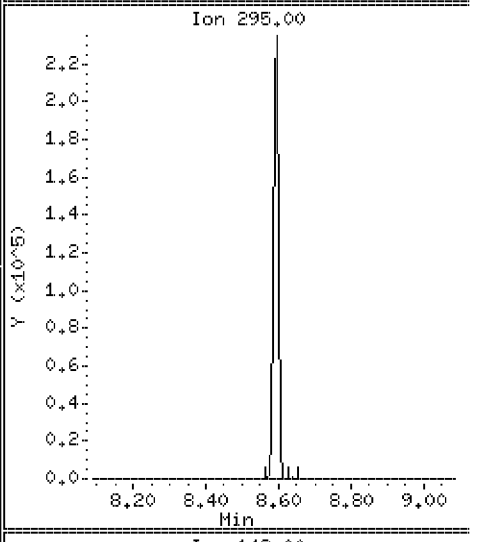
97 Pentachloronitrobenzene

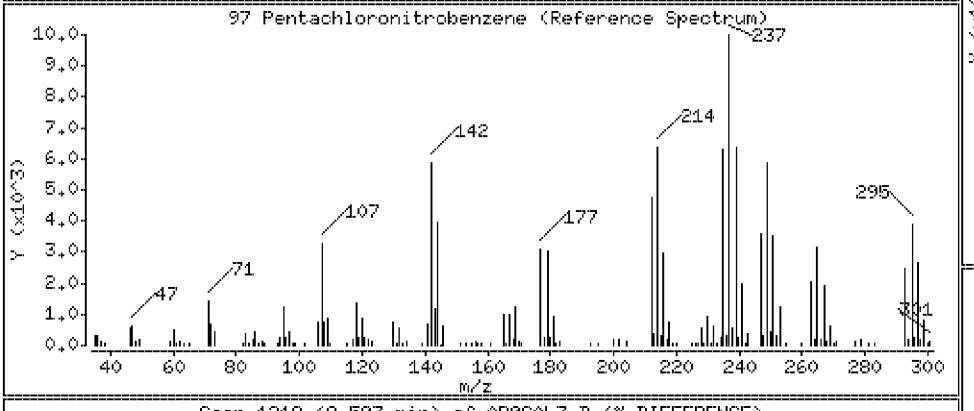
Concentration: 107 ug/l

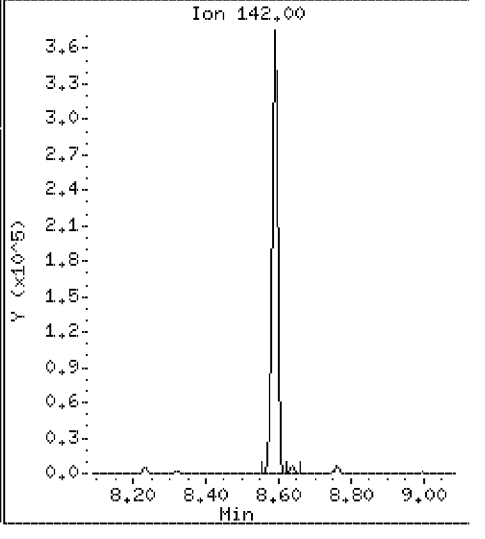


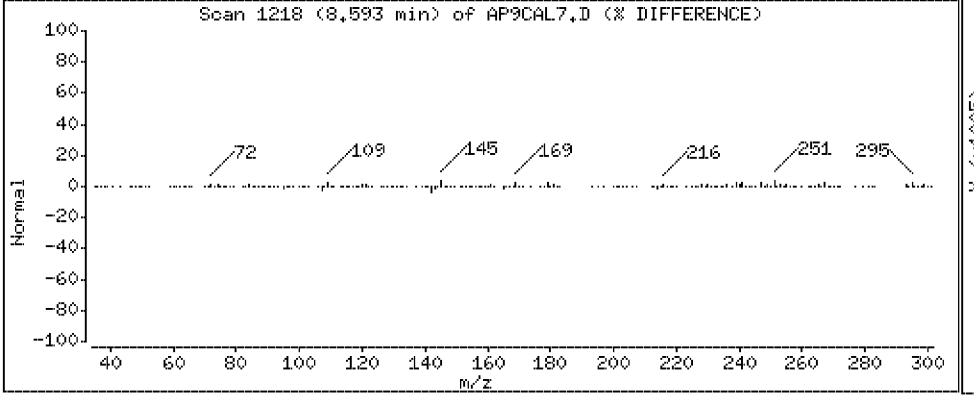












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

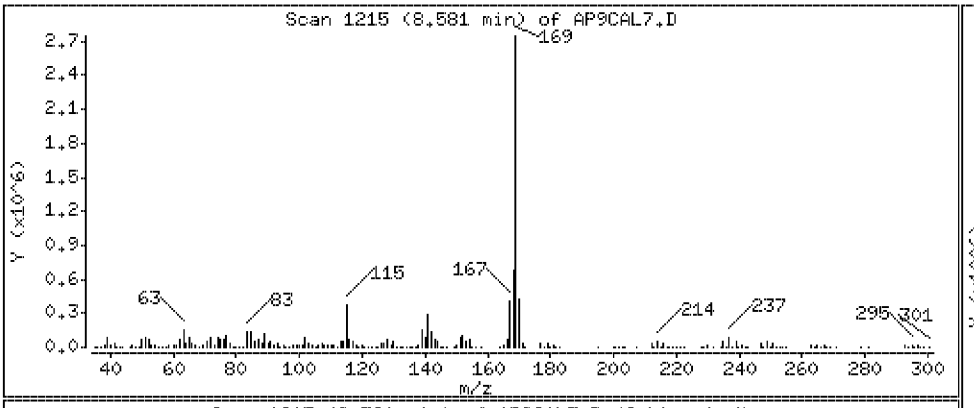
Operator: PEL

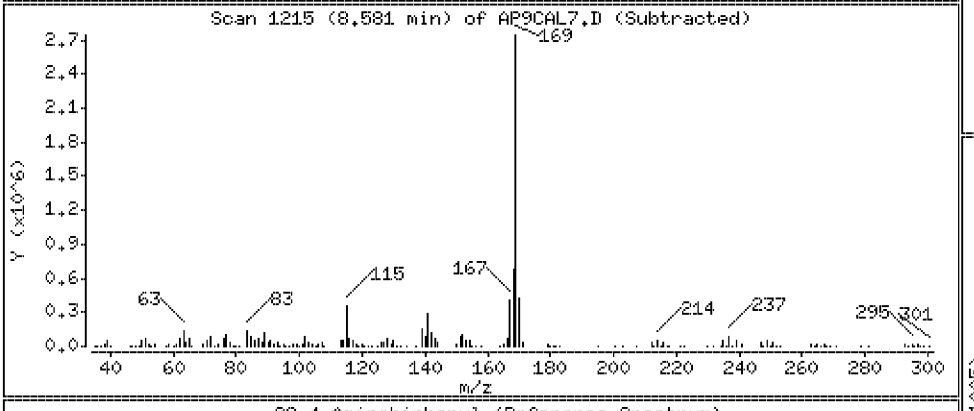
Column phase: HPMS-5

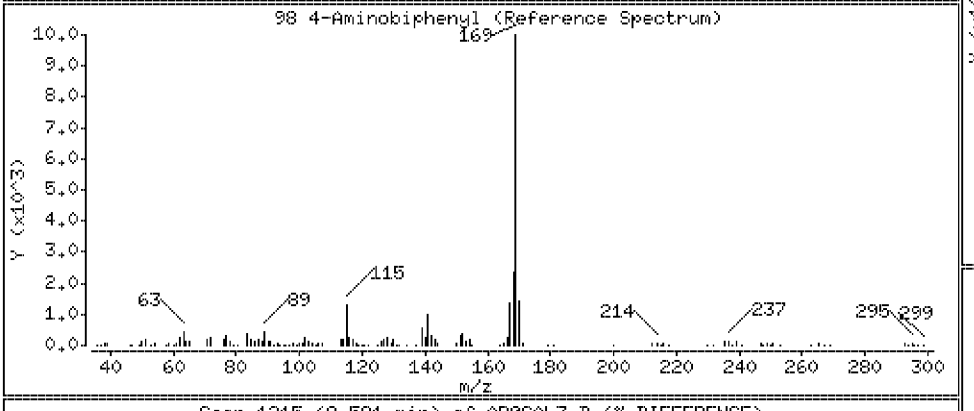
Column diameter: 0.25

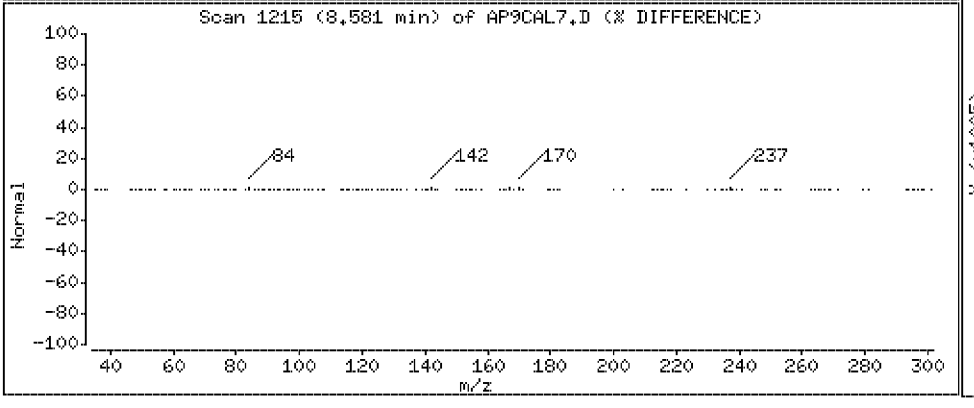
98 4-Aminobiphenyl

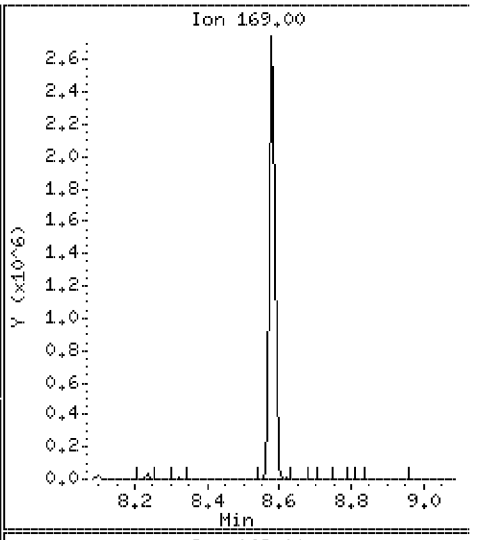
Concentration: 101 ug/l

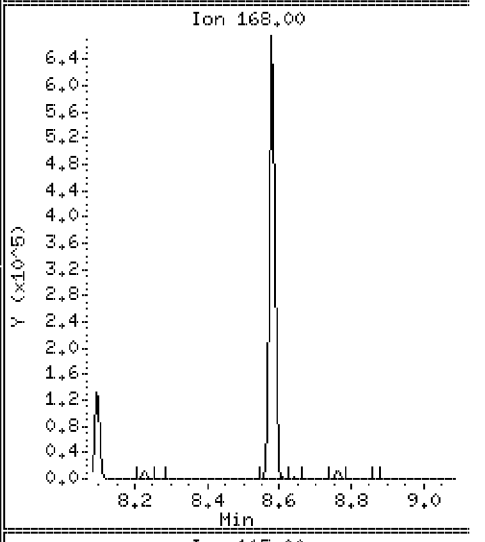


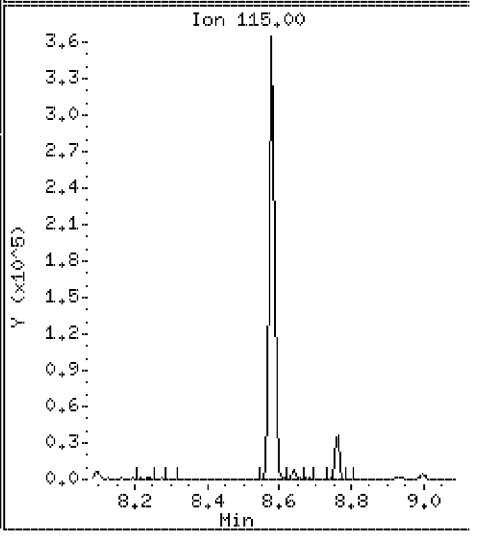












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

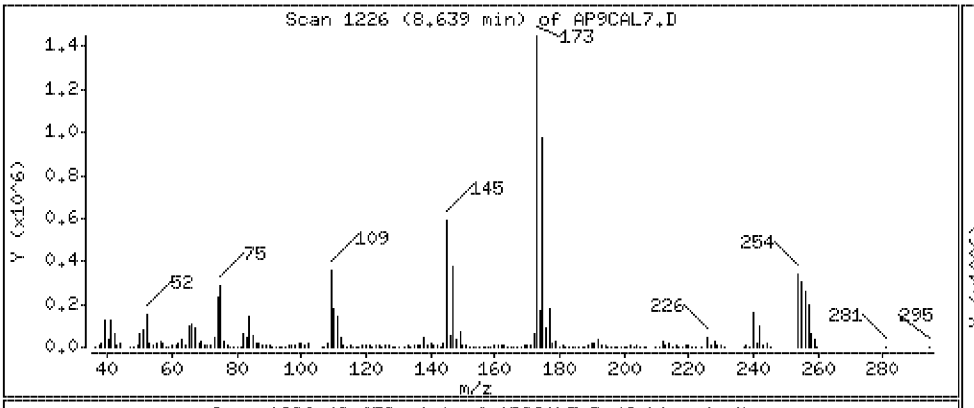
Operator: PEL

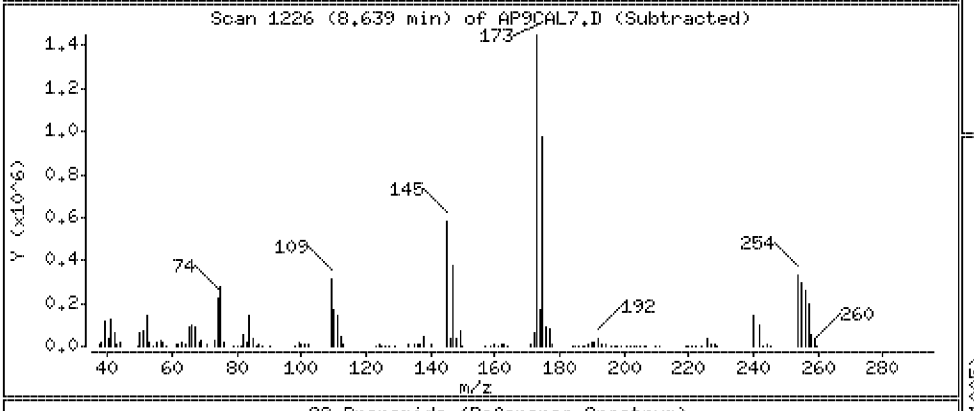
Column phase: HPMS-5

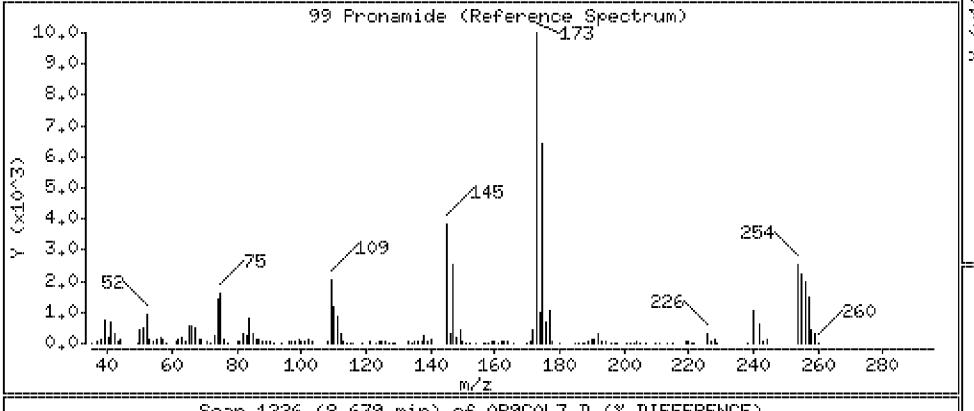
Column diameter: 0.25

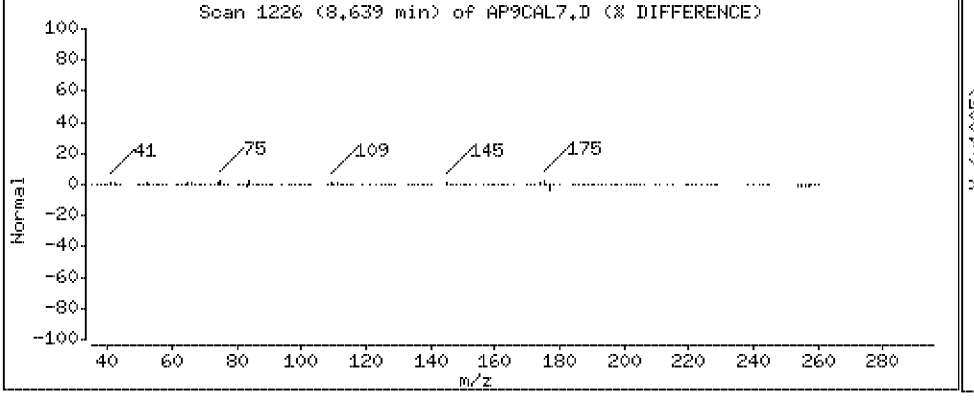
99 Pronamide

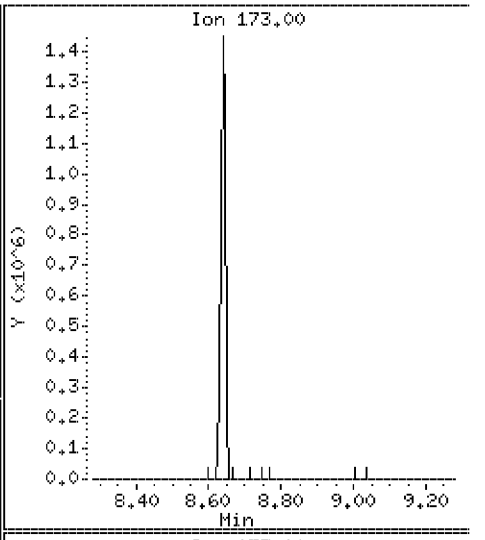
Concentration: 105 ug/l

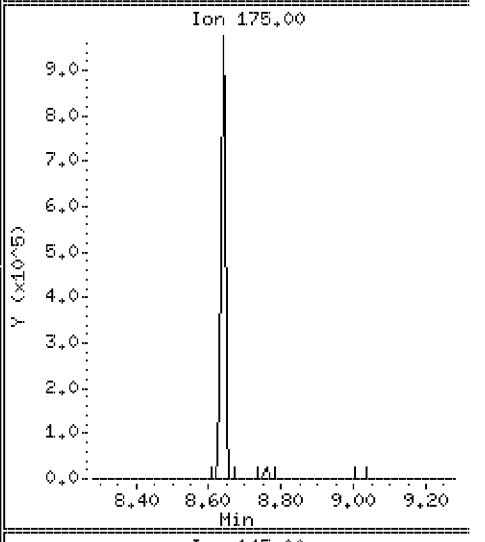


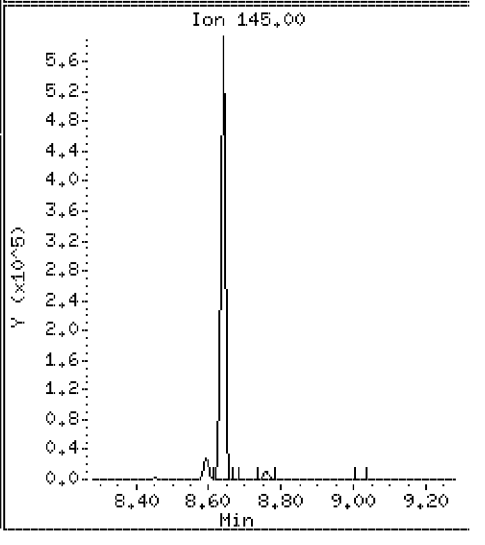












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

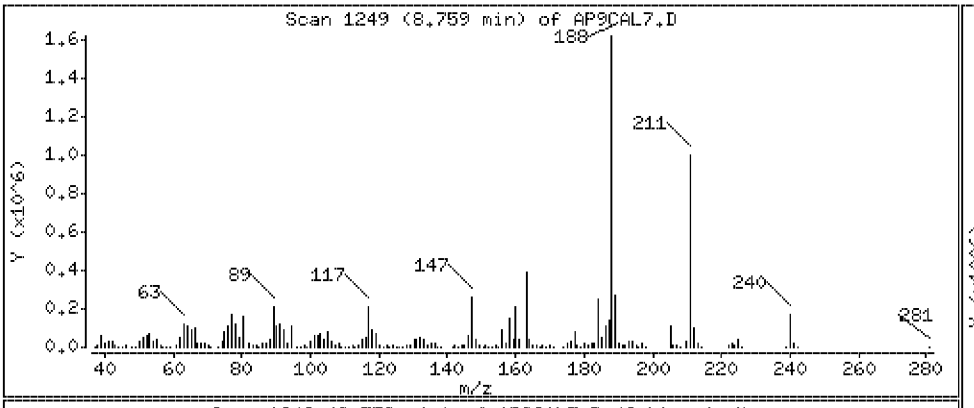
Operator: PEL

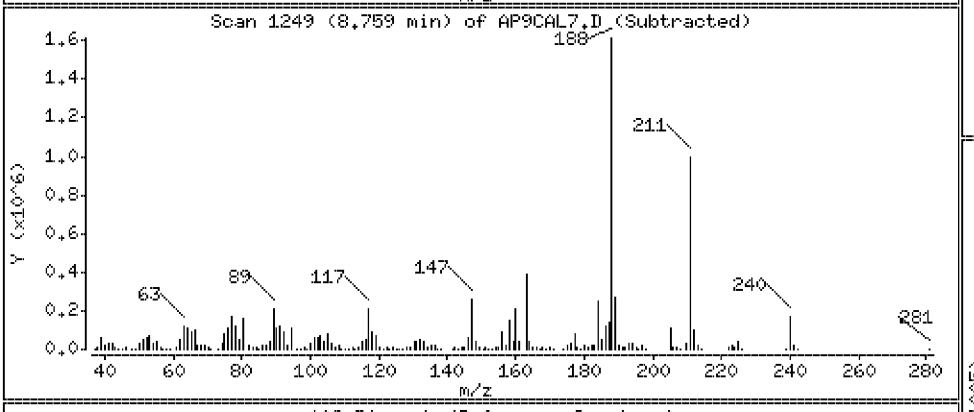
Column phase: HPMS-5

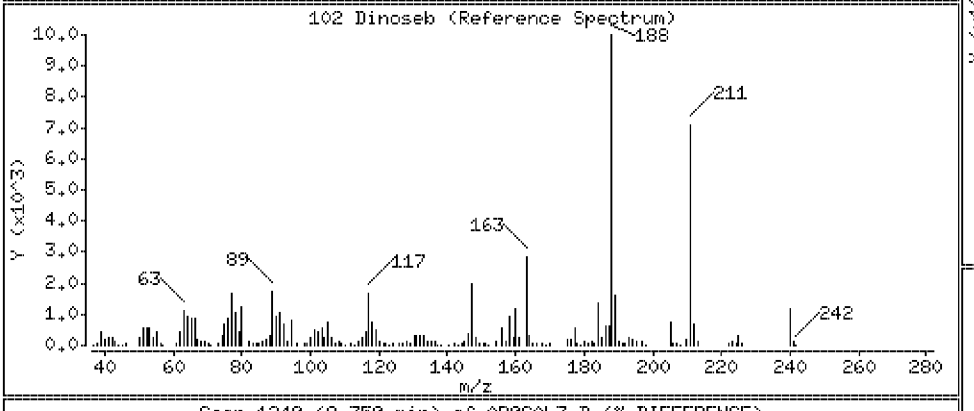
Column diameter: 0.25

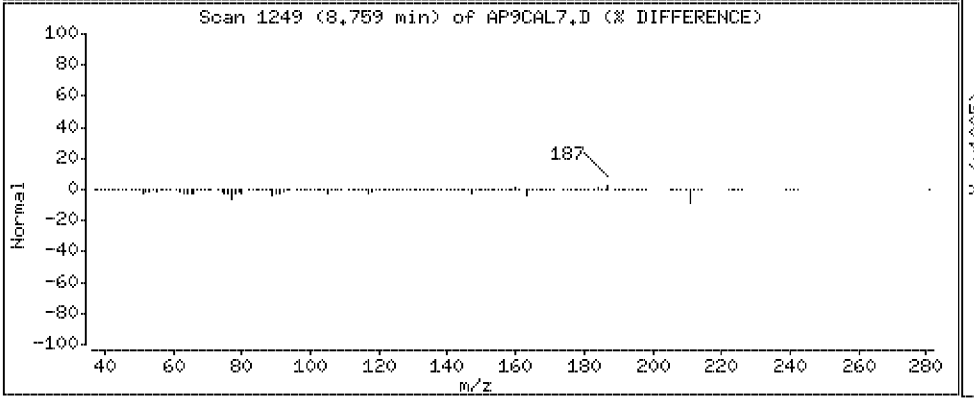
102 Dinoseb

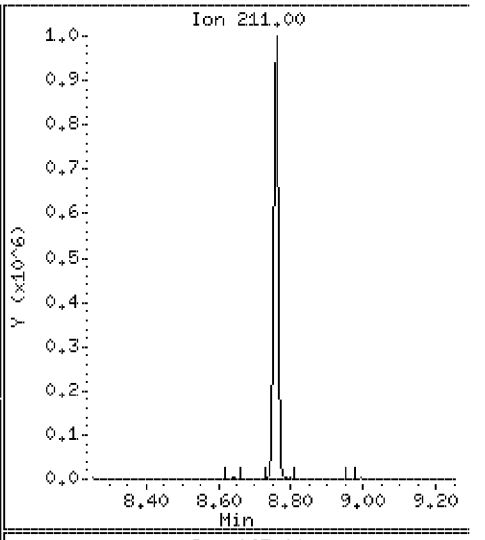
Concentration: 100 ug/l

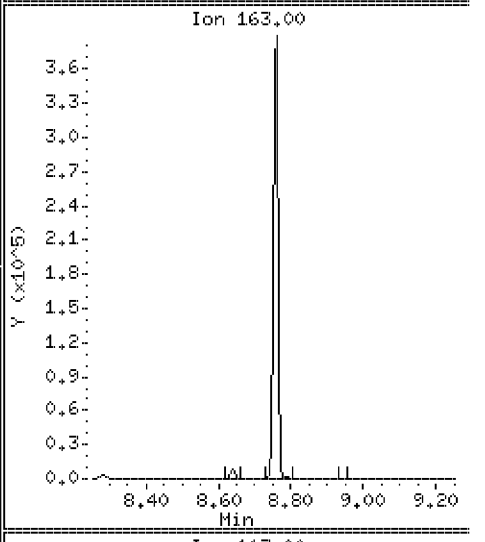


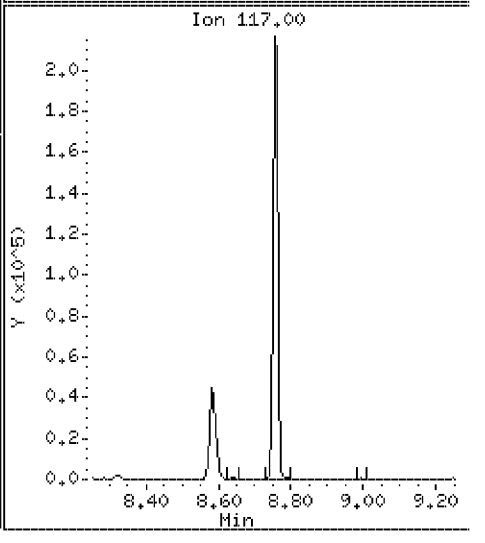












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

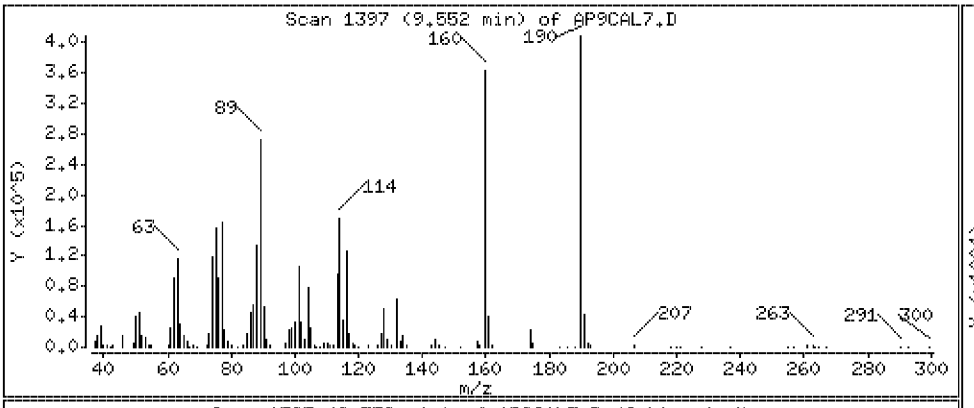
Operator: PEL

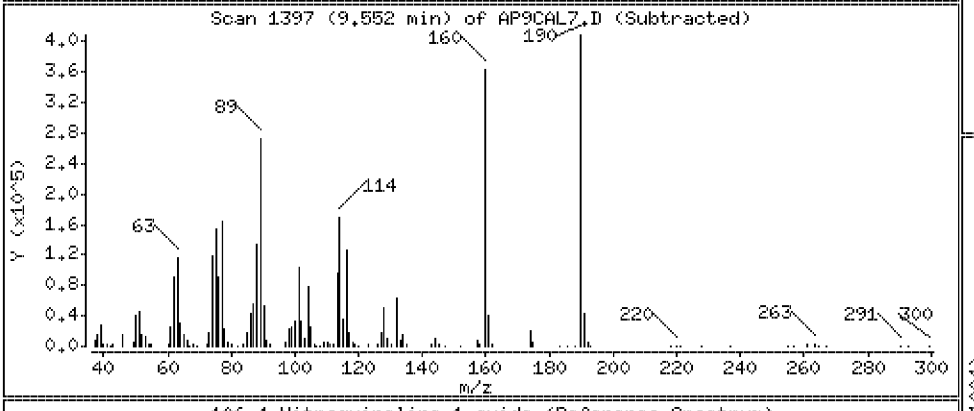
Column phase: HPMS-5

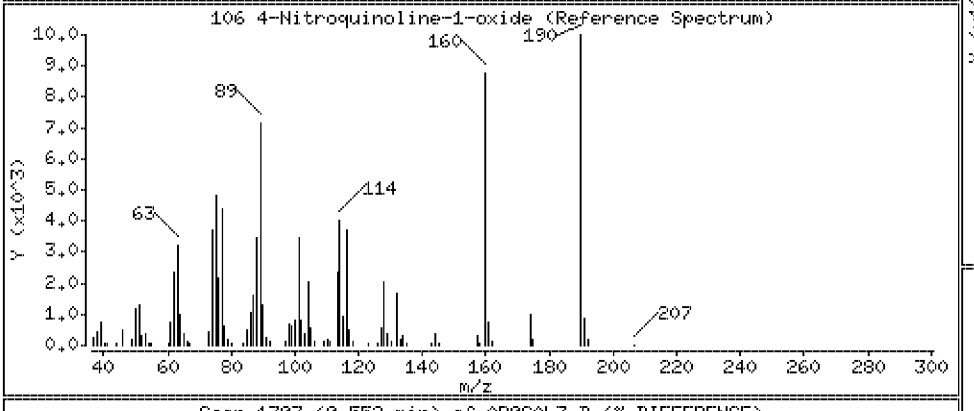
Column diameter: 0.25

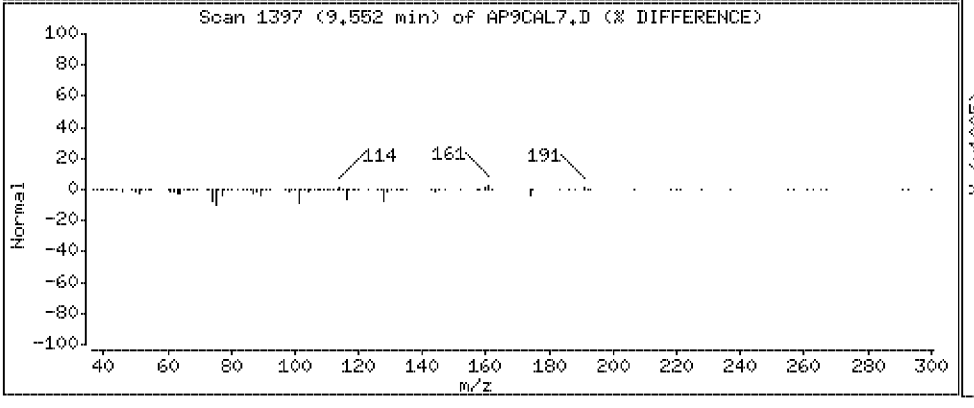
106 4-Nitroquinoline-1-oxide

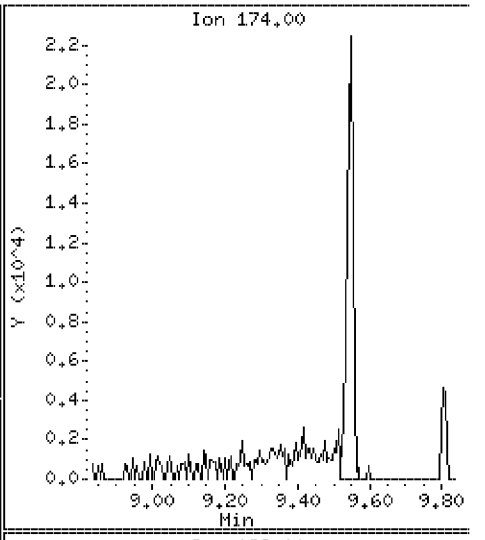
Concentration: 99.6 ug/l

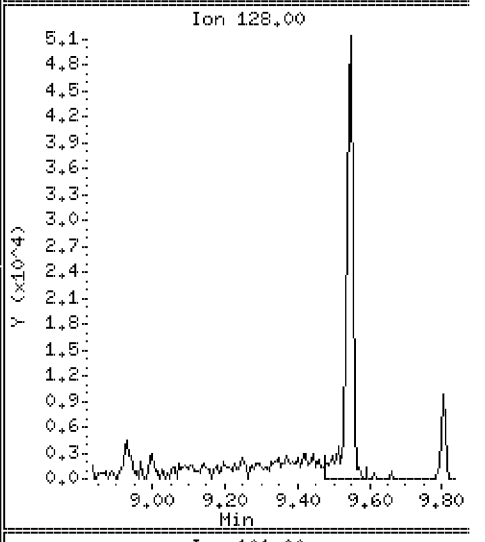


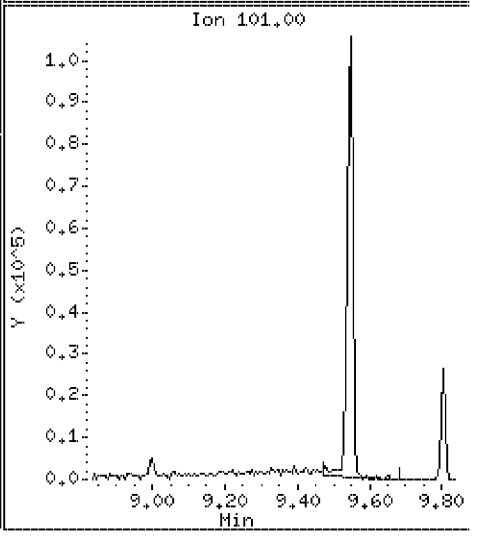












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

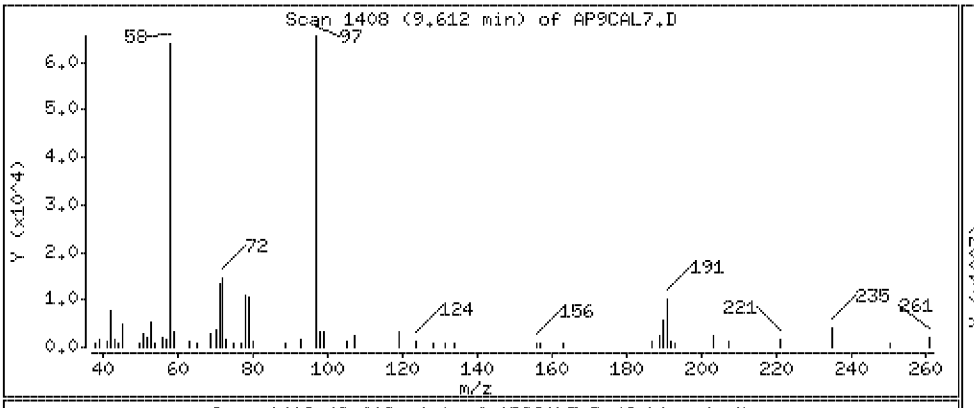
Operator: PEL

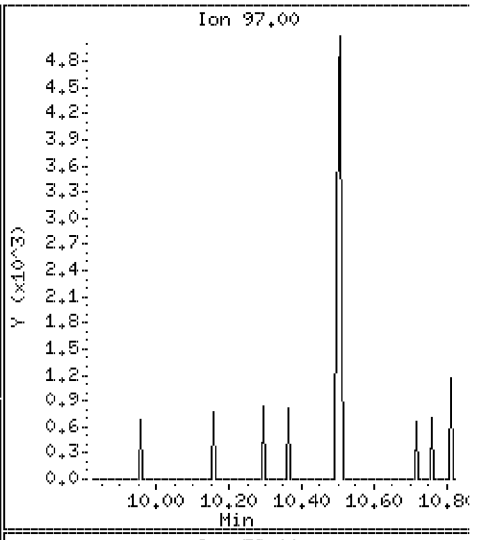
Column phase: HPMS-5

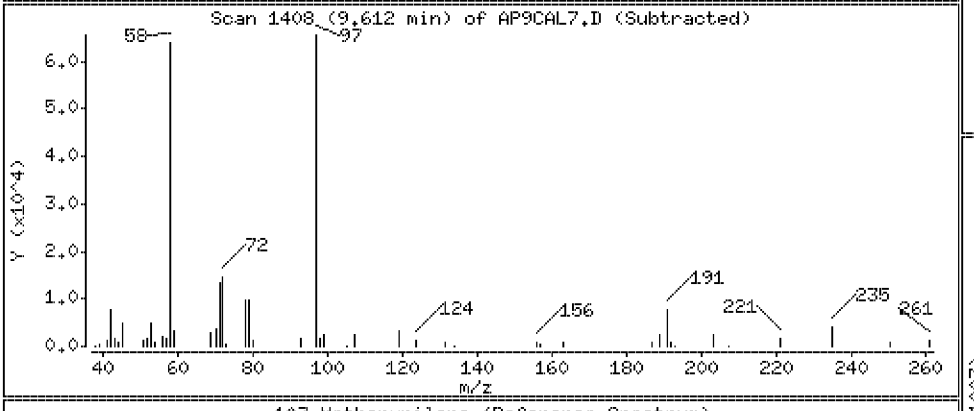
Column diameter: 0.25

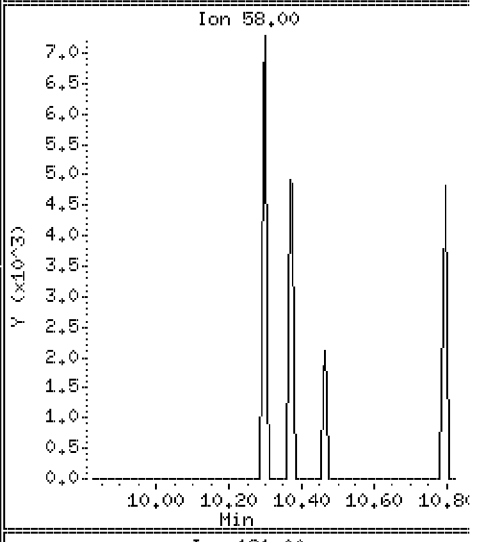
107 Methapyrilene

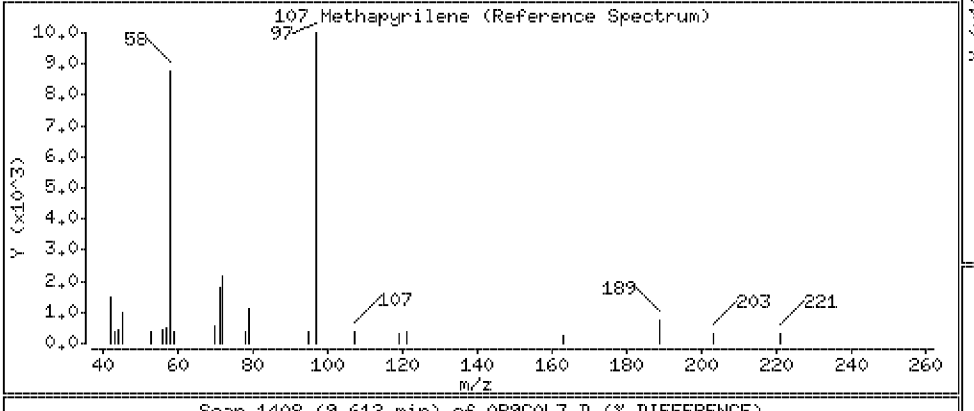
Concentration: 110 ug/l

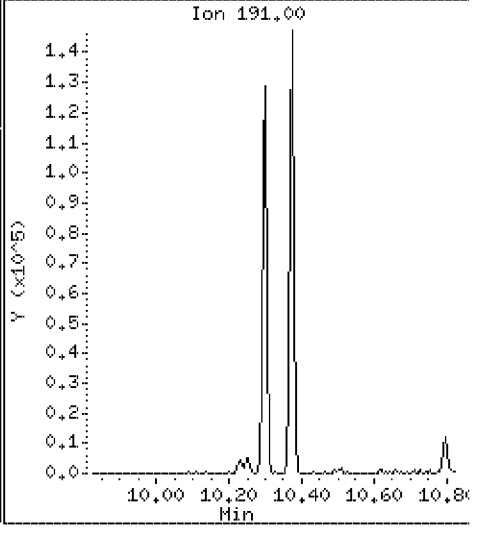


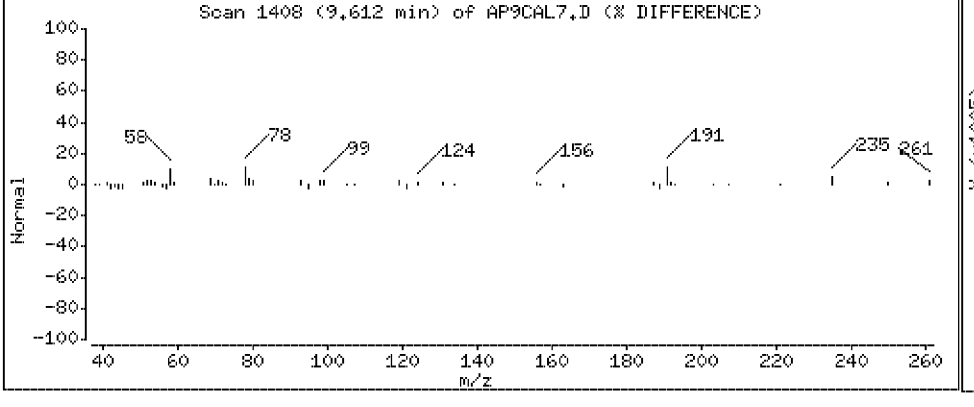












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

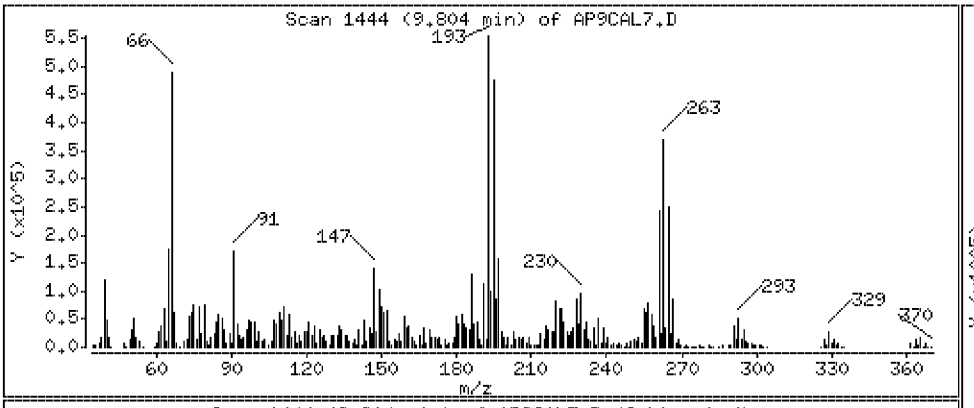
Operator: PEL

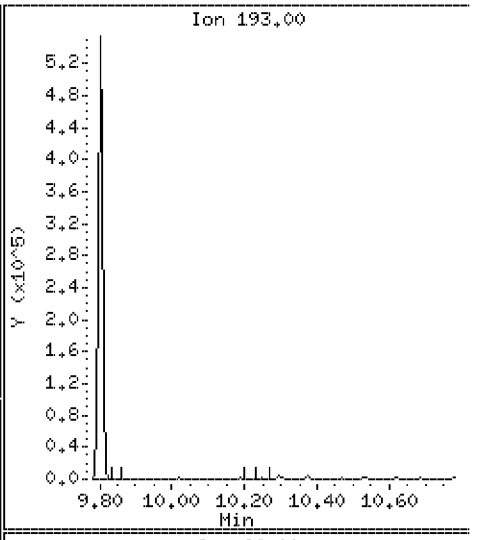
Column phase: HPMS-5

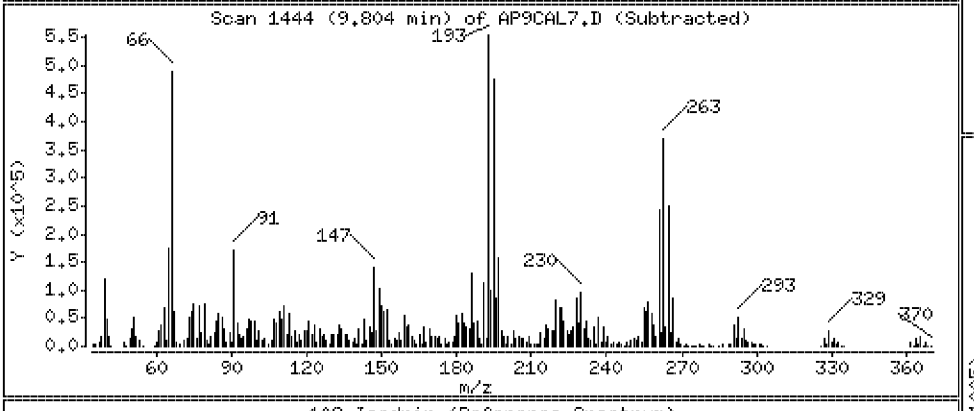
Column diameter: 0.25

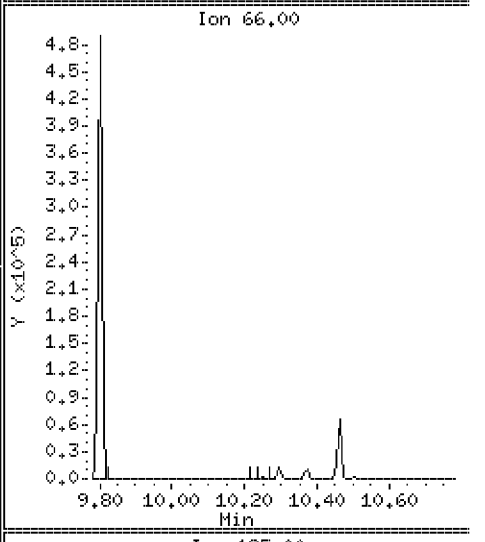
108 Isodrin

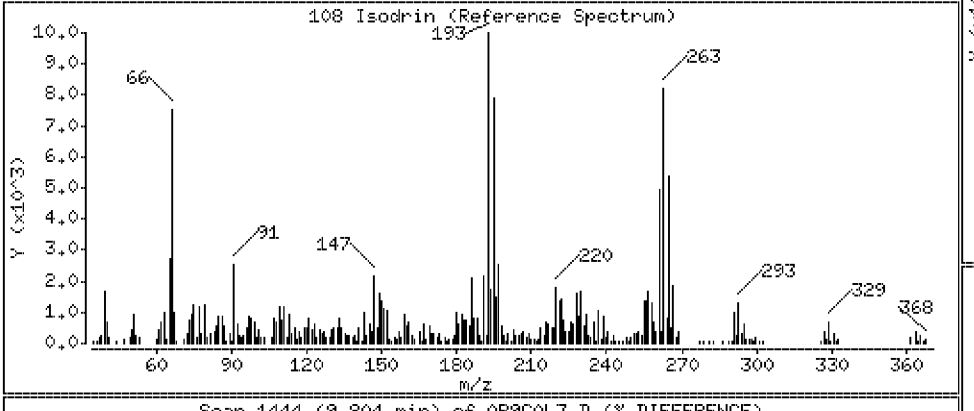
Concentration: 104 ug/l

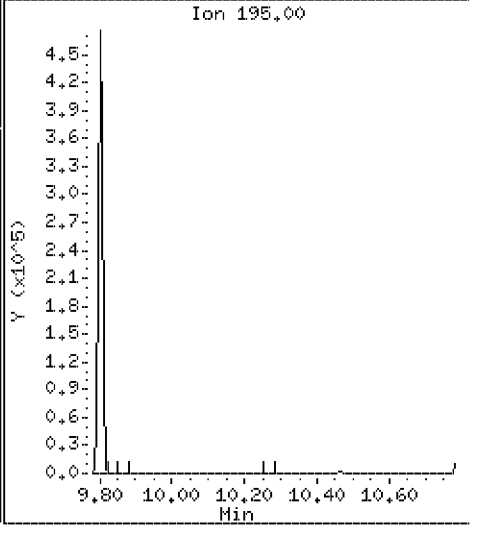


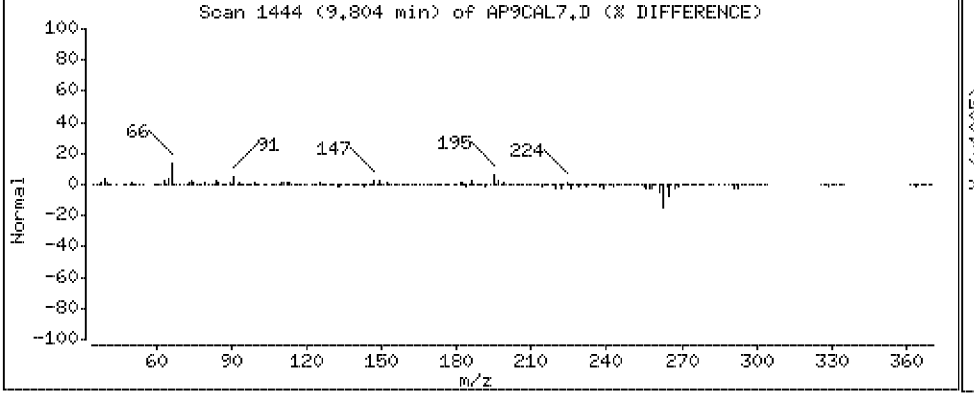












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

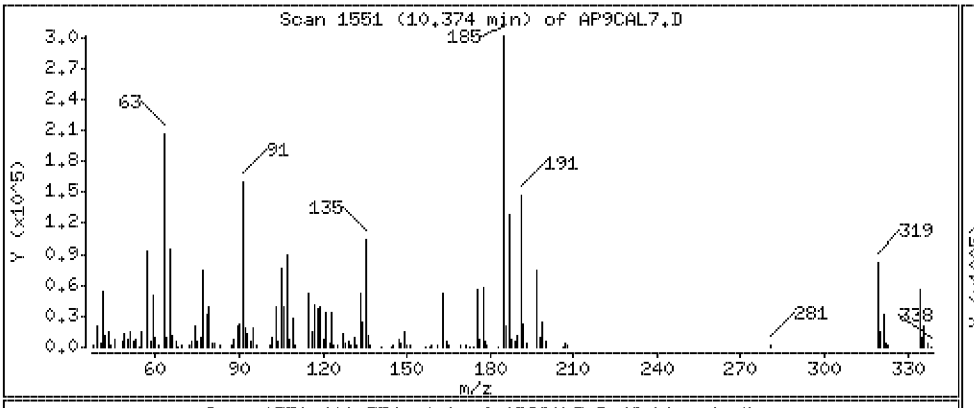
Operator: PEL

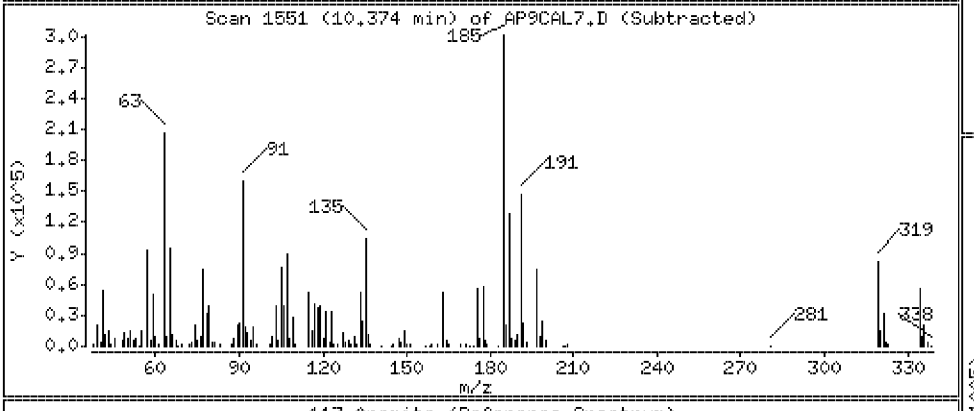
Column phase: HPMS-5

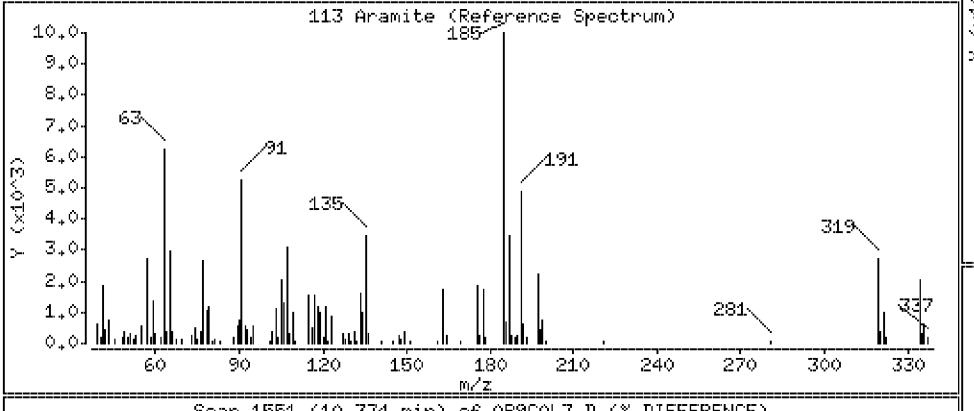
Column diameter: 0.25

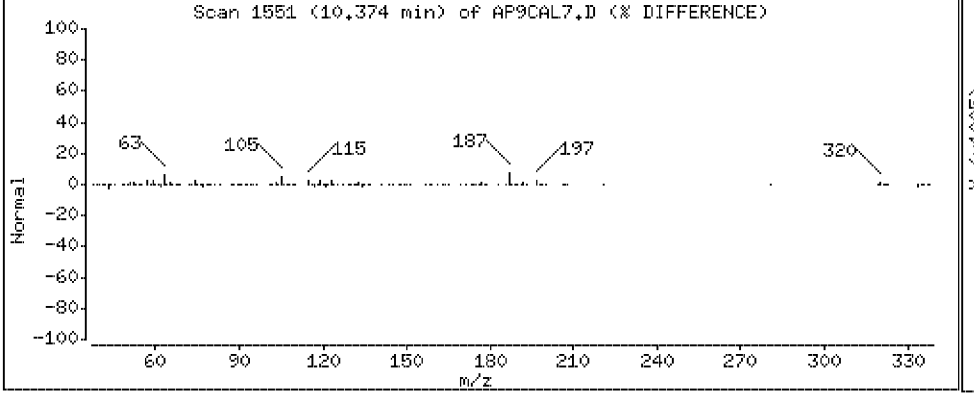
113 Aramite

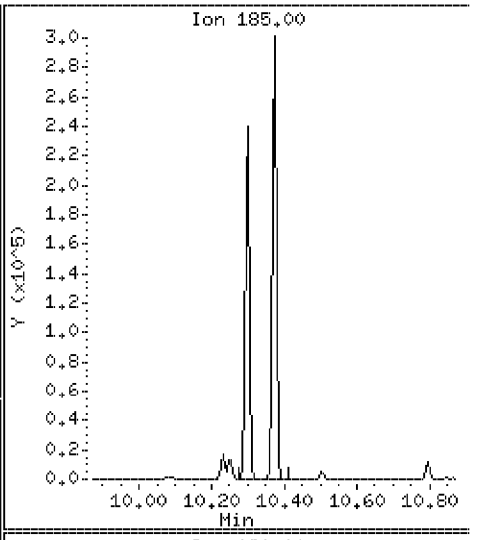
Concentration: 107 ug/l

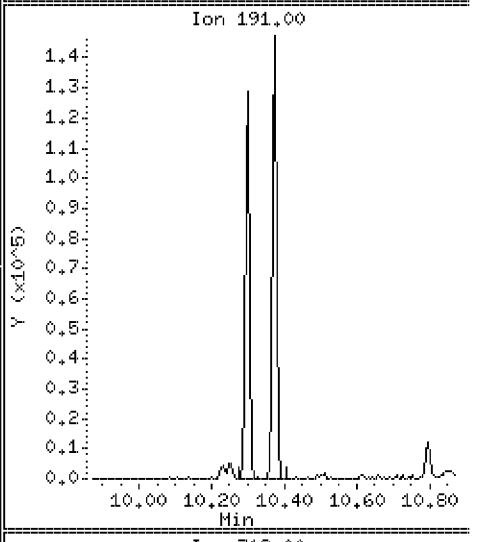


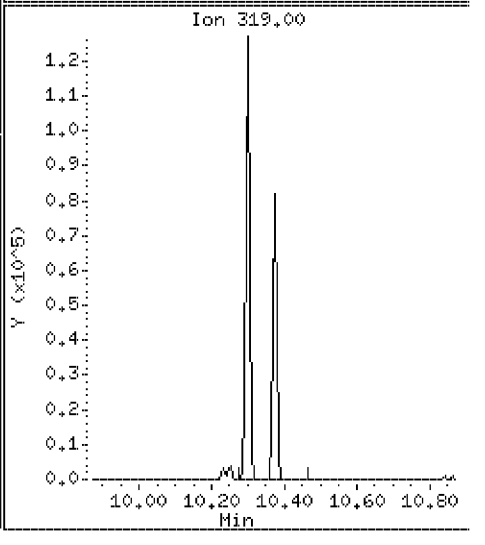












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

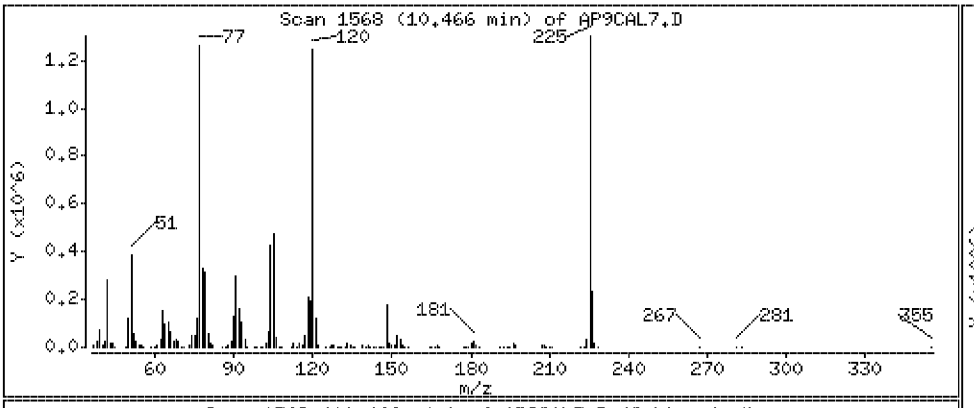
Operator: PEL

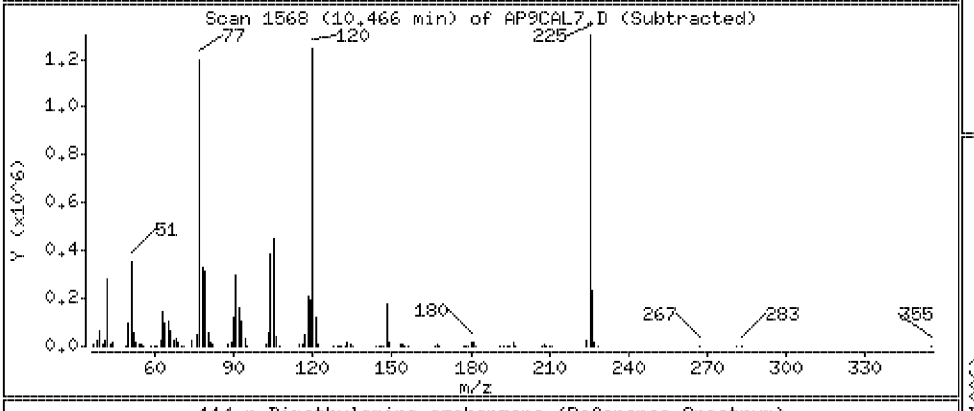
Column phase: HPMS-5

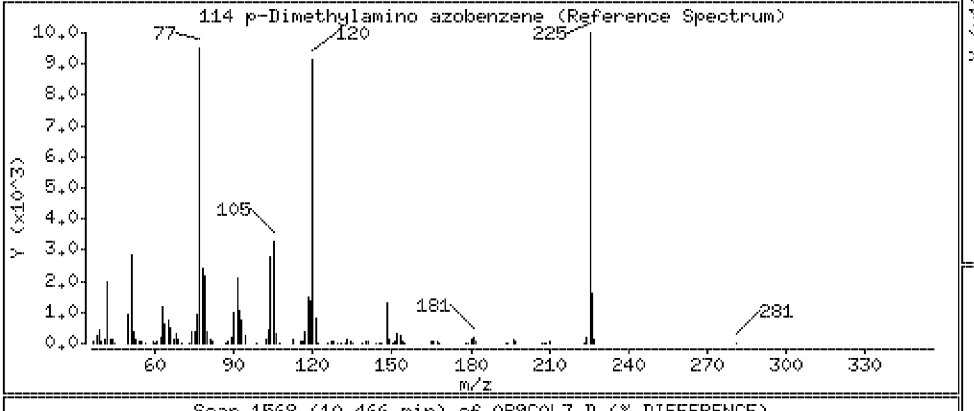
Column diameter: 0.25

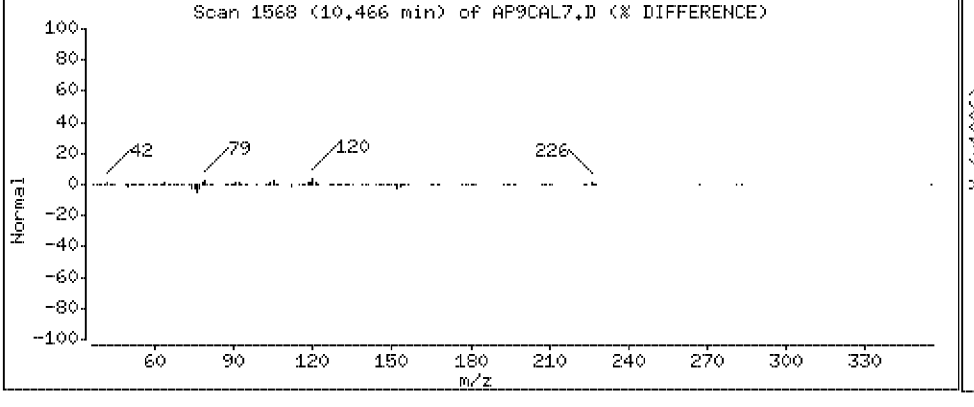
114 p-Dimethylamino azobenzene

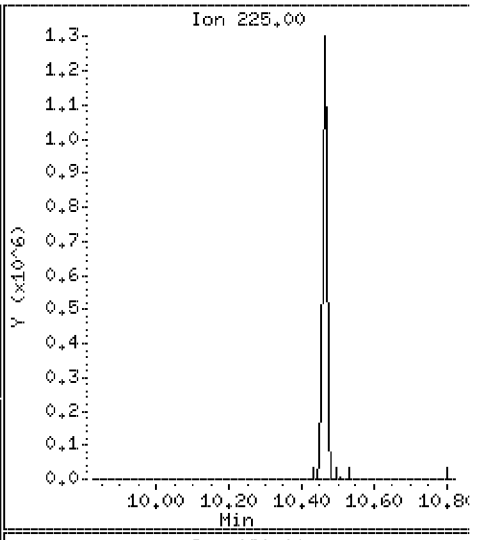
Concentration: 114 ug/l

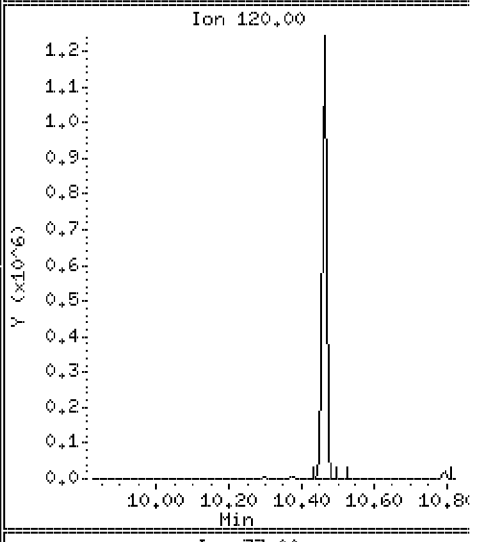


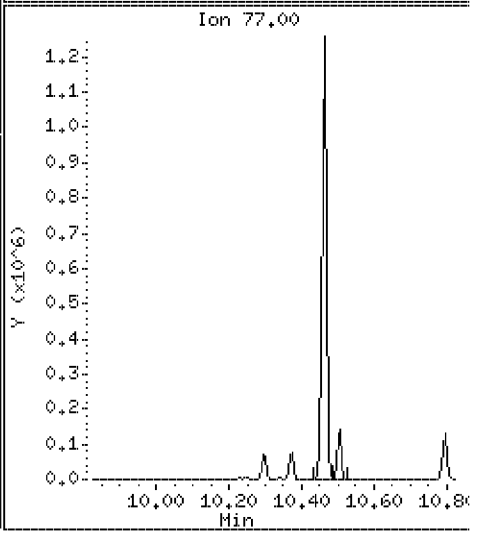












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

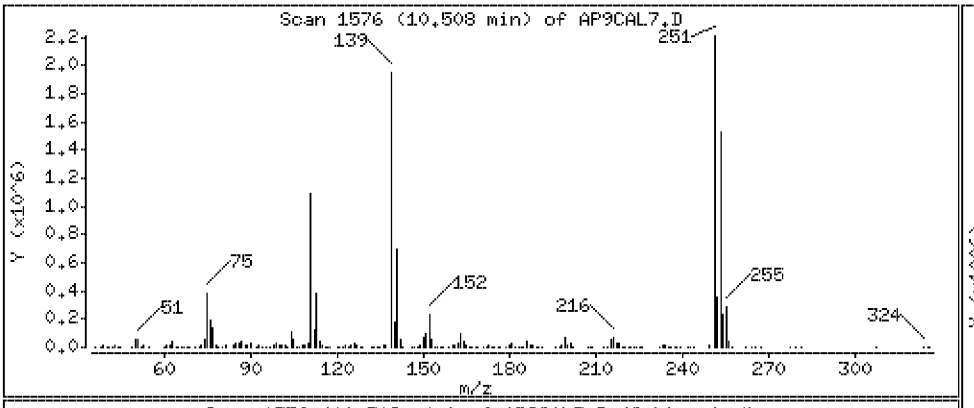
Operator: PEL

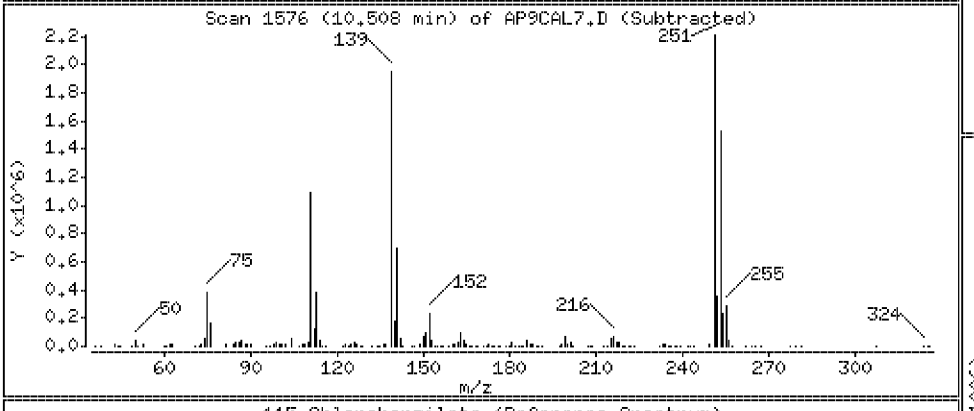
Column phase: HPMS-5

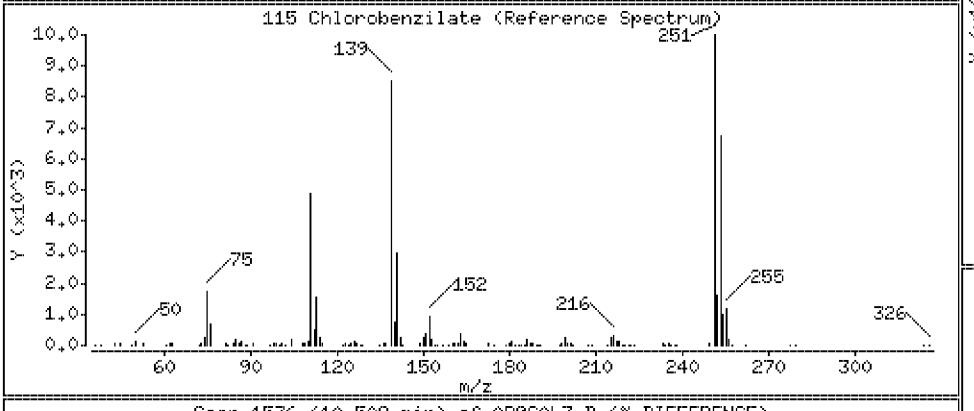
Column diameter: 0.25

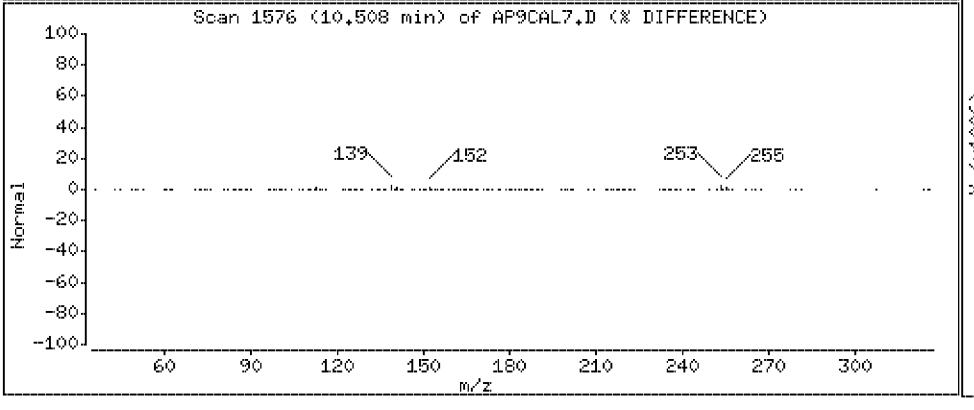
115 Chlorobenzilate

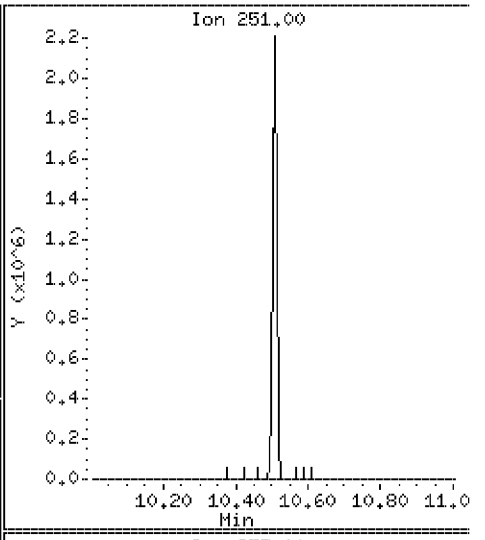
Concentration: 114 ug/l

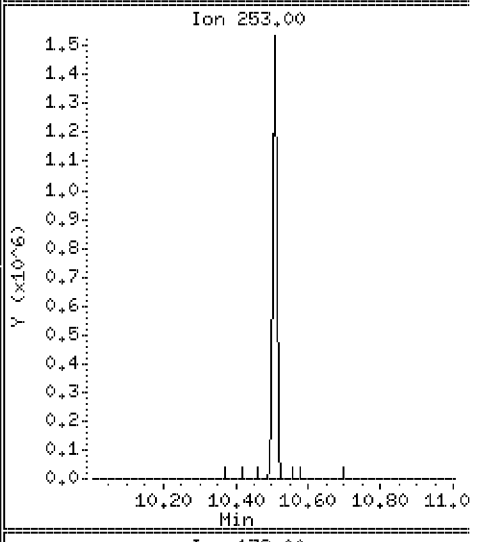


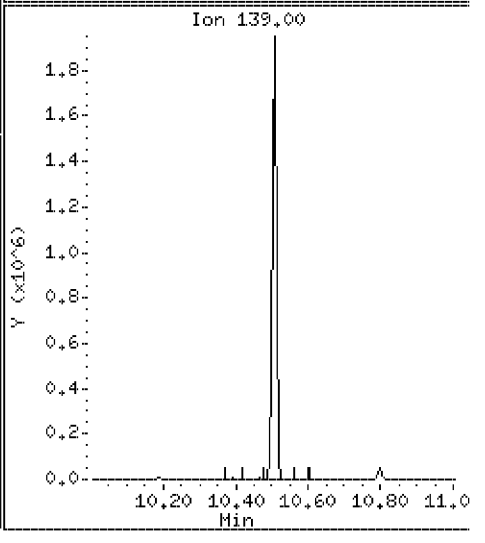












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

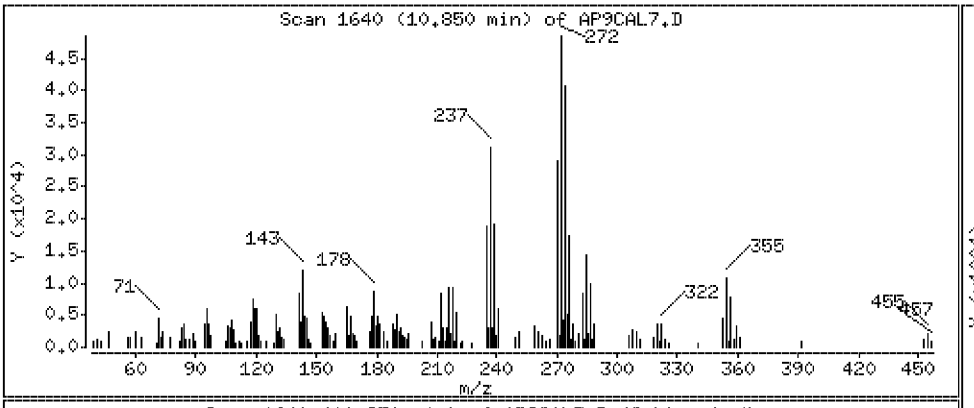
Operator: PEL

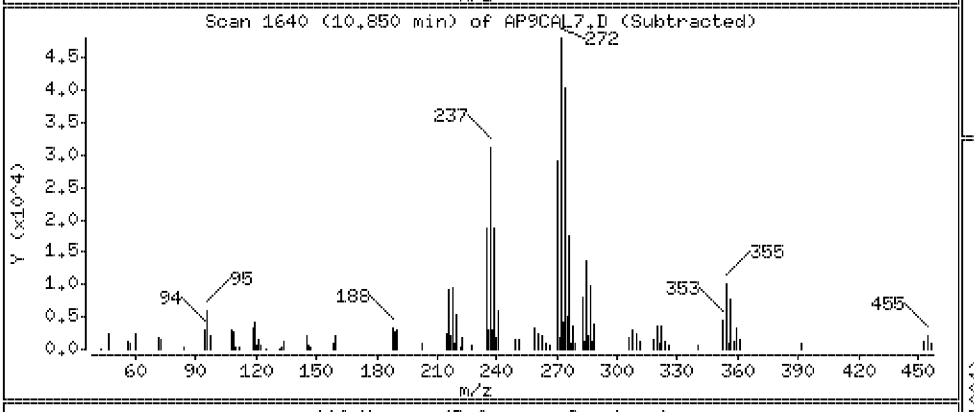
Column phase: HPMS-5

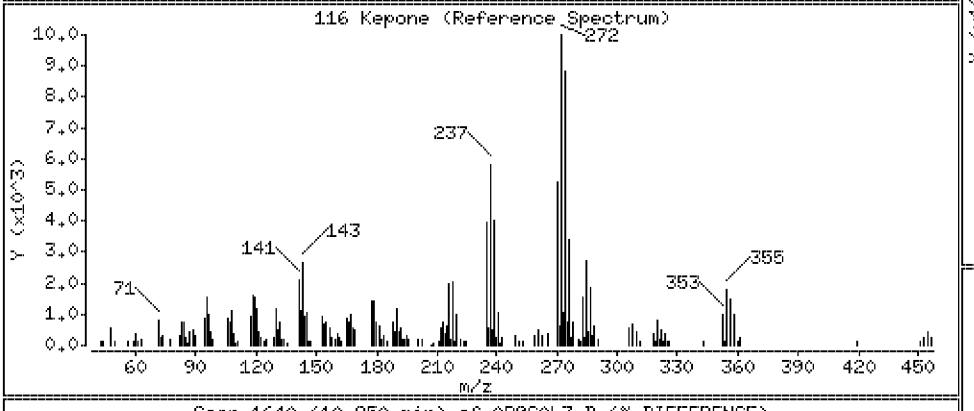
Column diameter: 0.25

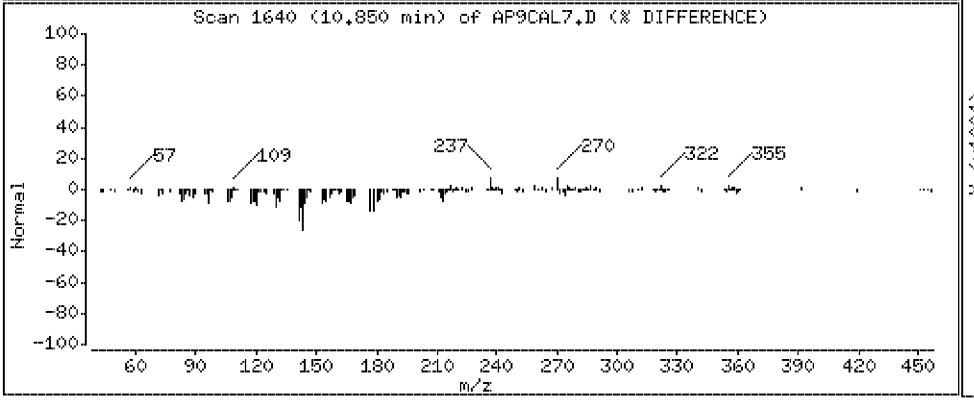
116 Kepone

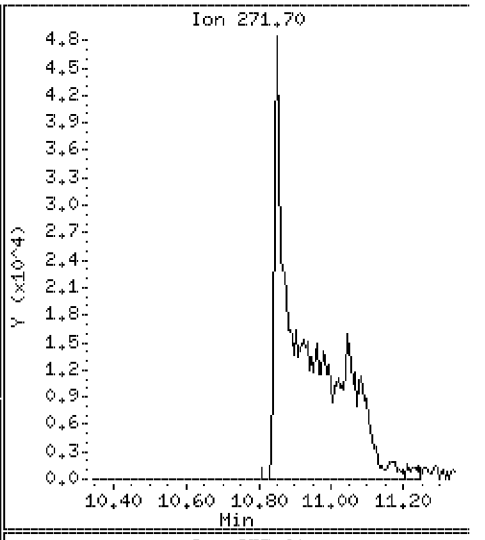
Concentration: 98.0 ug/l

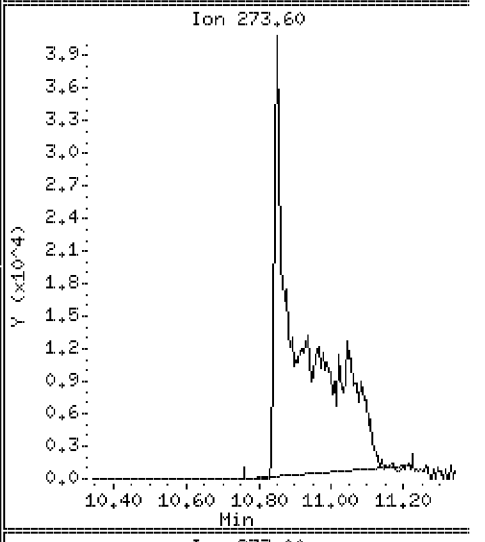


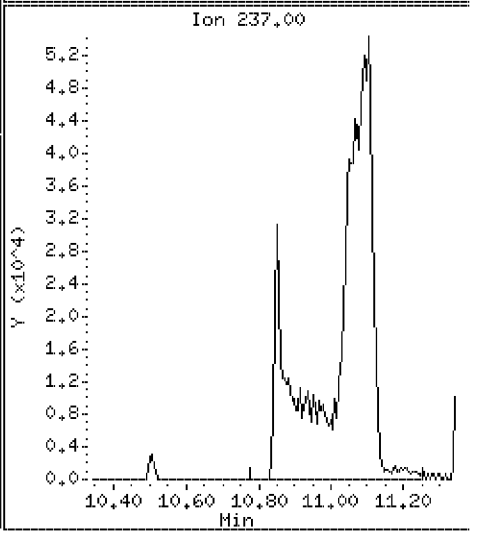












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

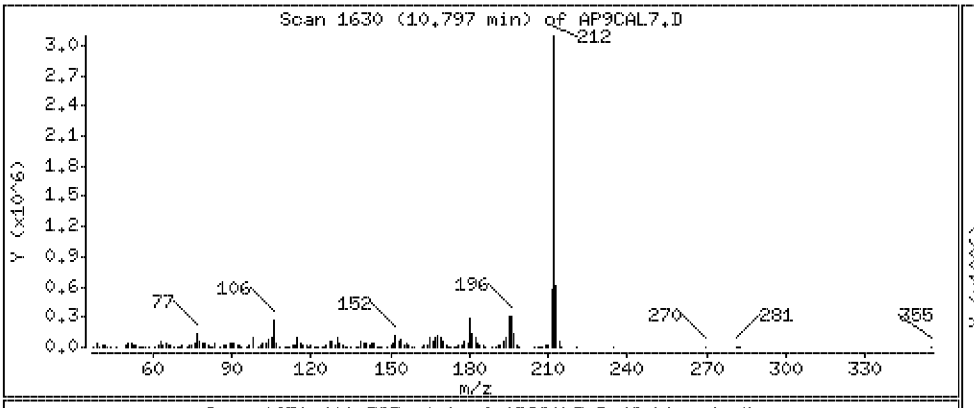
Operator: PEL

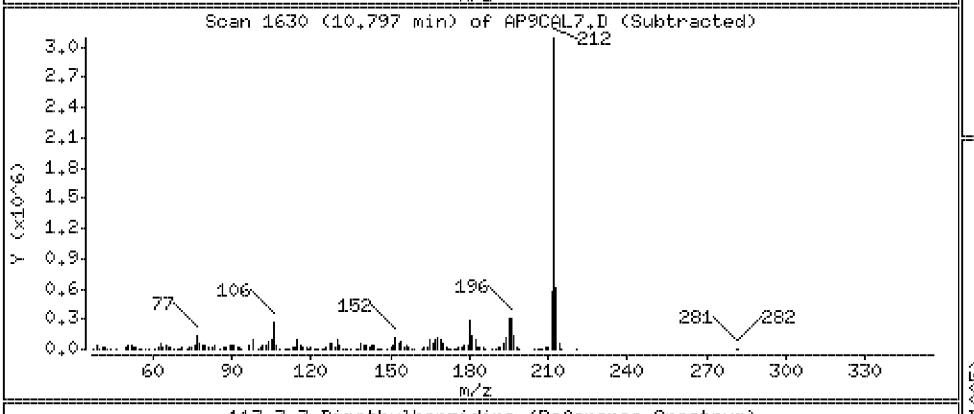
Column phase: HPMS-5

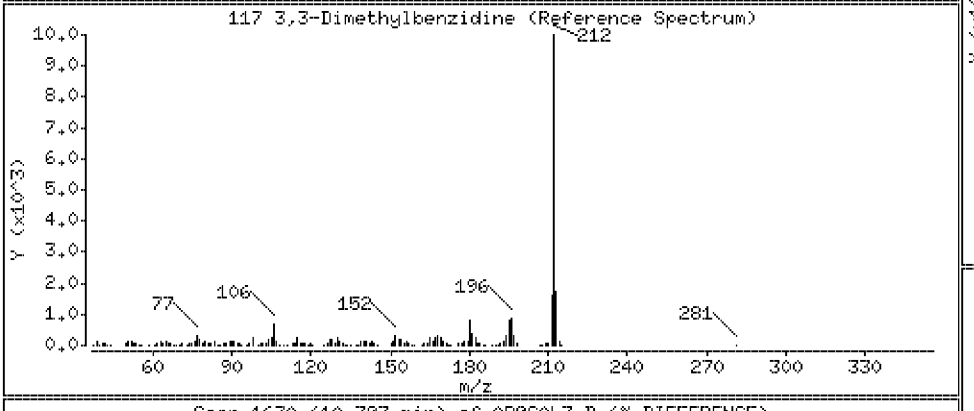
Column diameter: 0.25

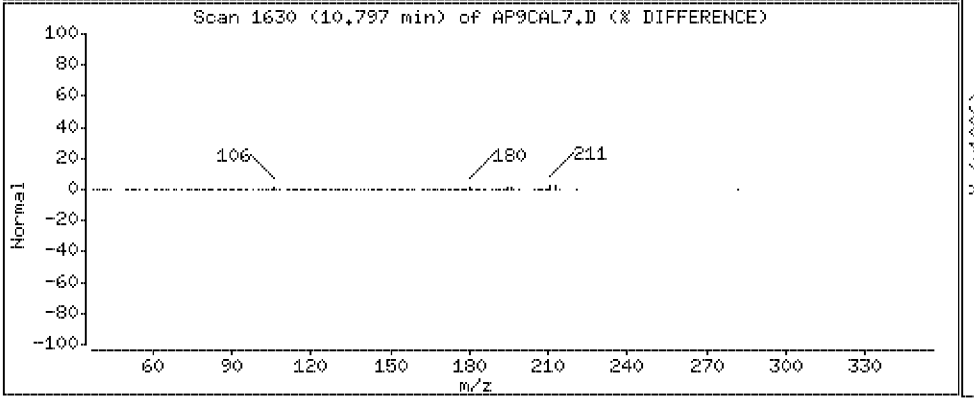
117 3,3-Dimethylbenzidine

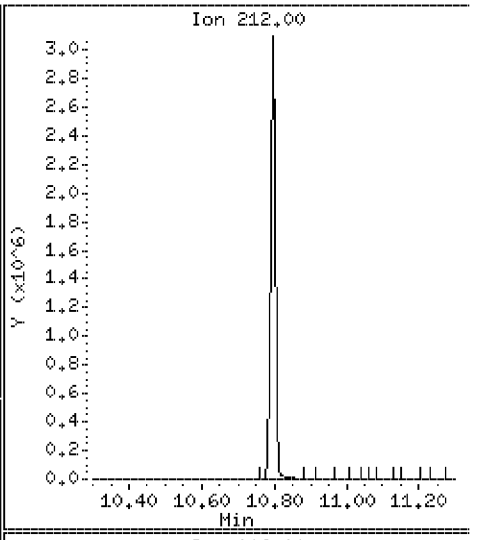
Concentration: 95.0 ug/l

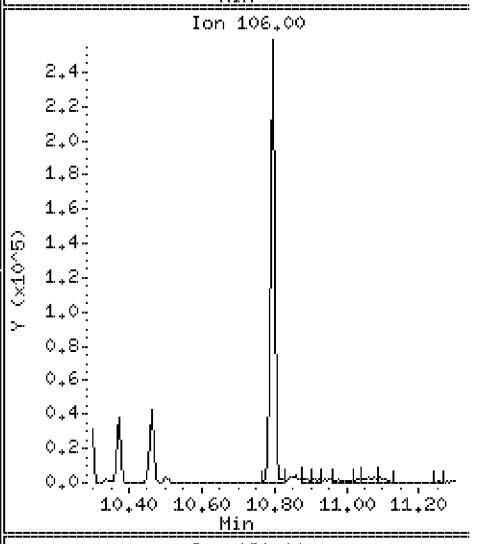


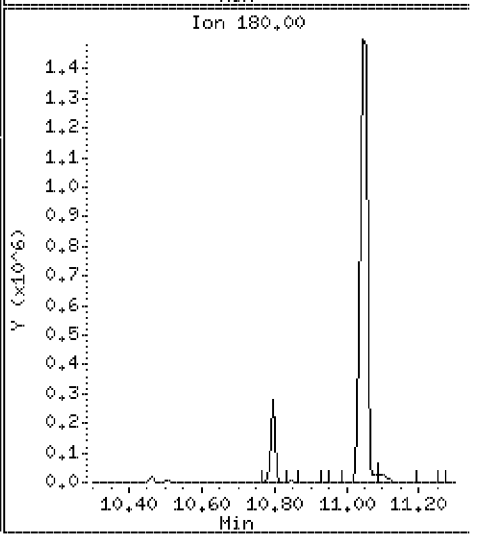












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

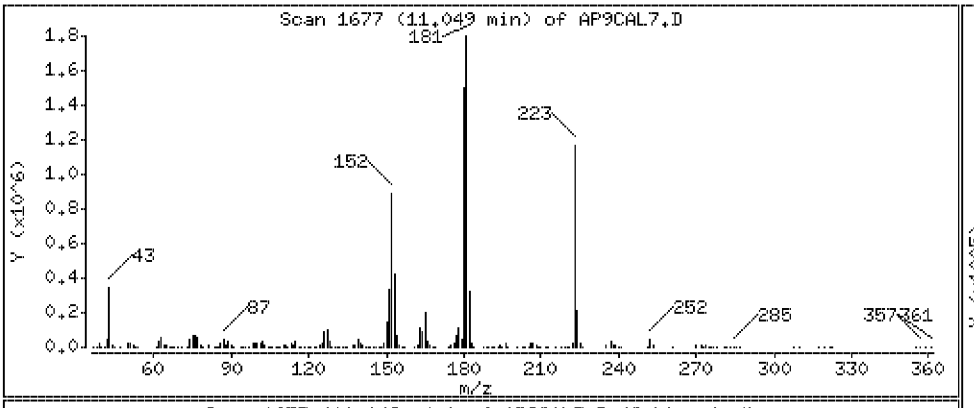
Operator: PEL

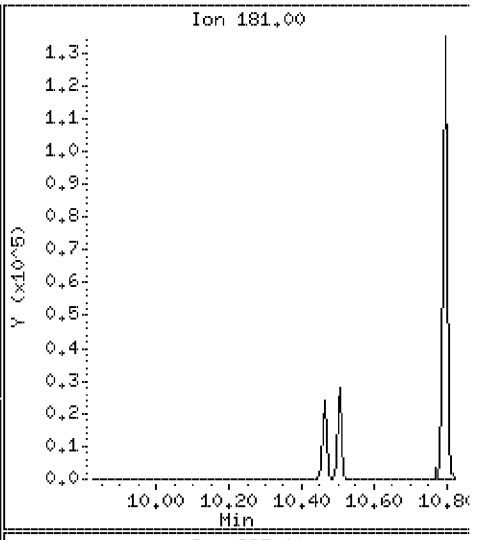
Column phase: HPMS-5

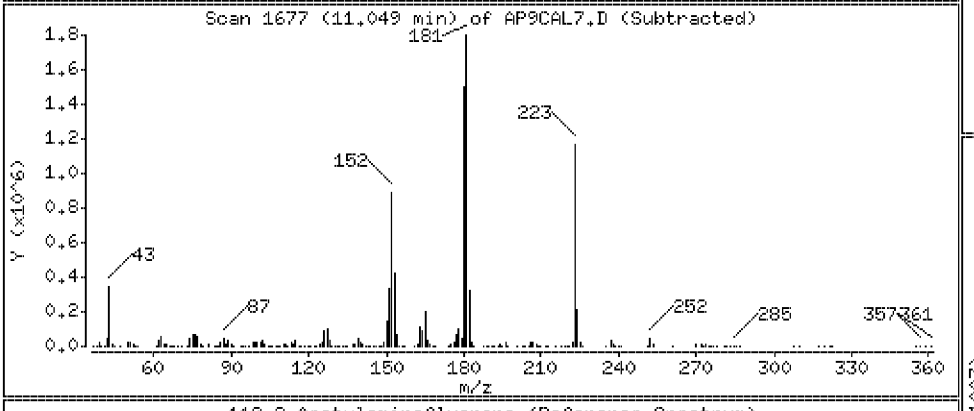
Column diameter: 0.25

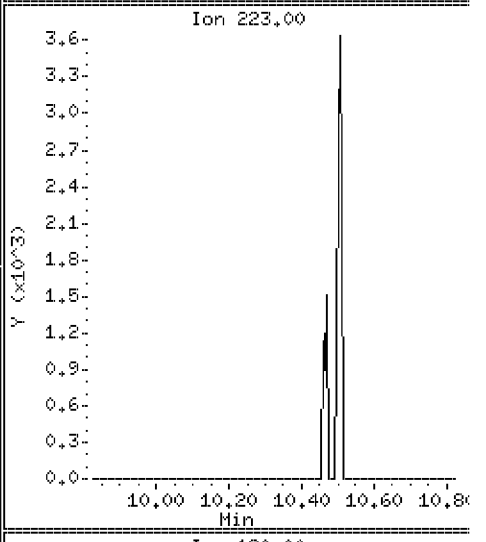
119 2-Acetylaminofluorene

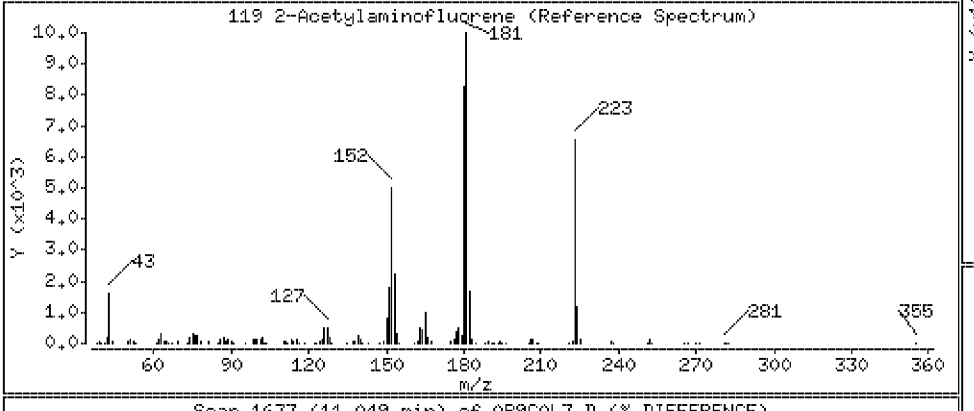
Concentration: 119 ug/l

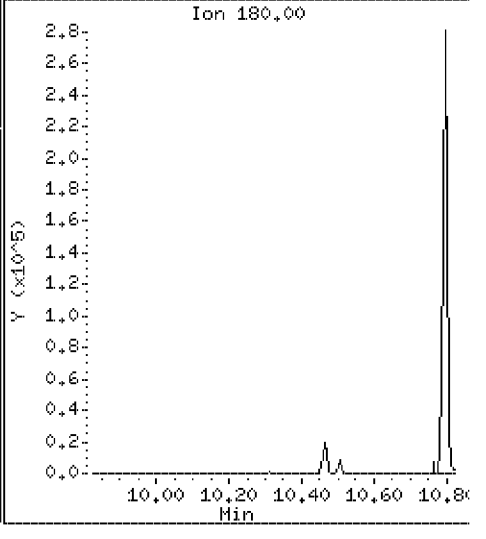


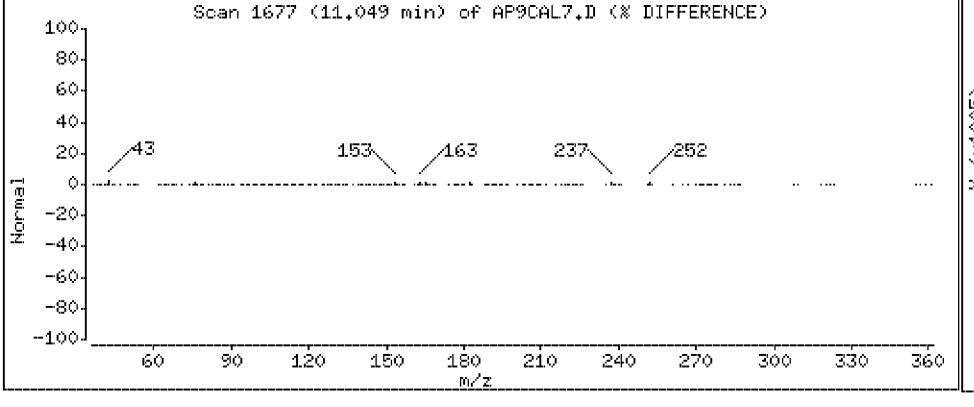












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

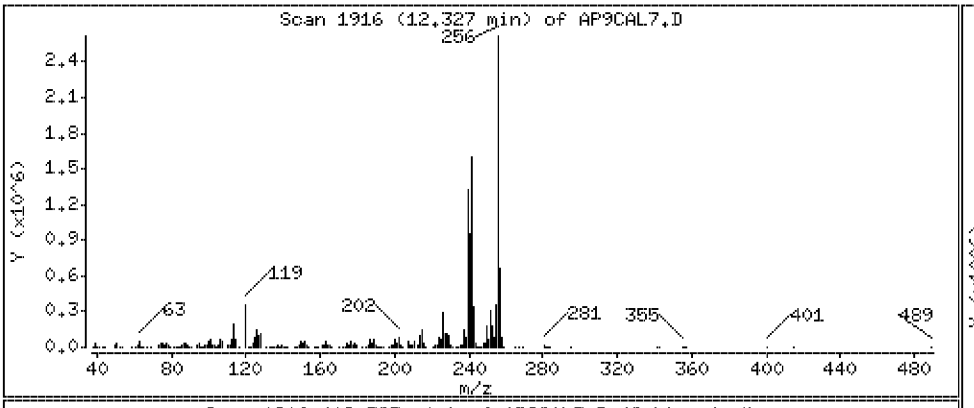
Client ID: AP9CAL7 Instrument: smsd03.i

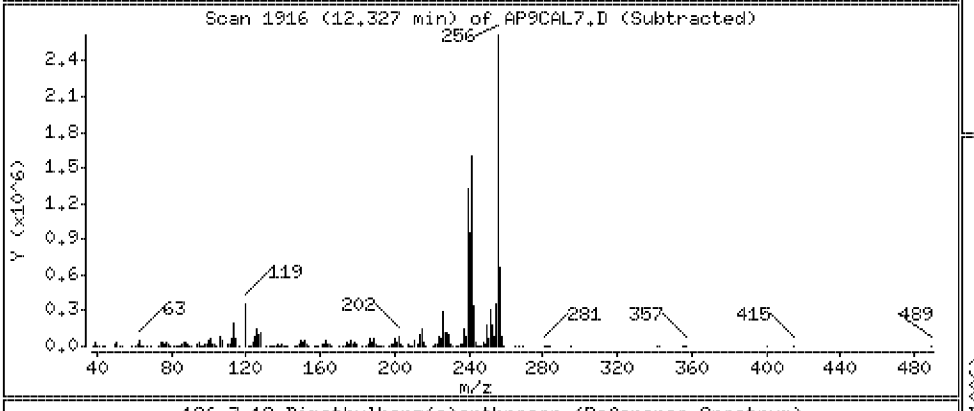
Sample Info: 45955

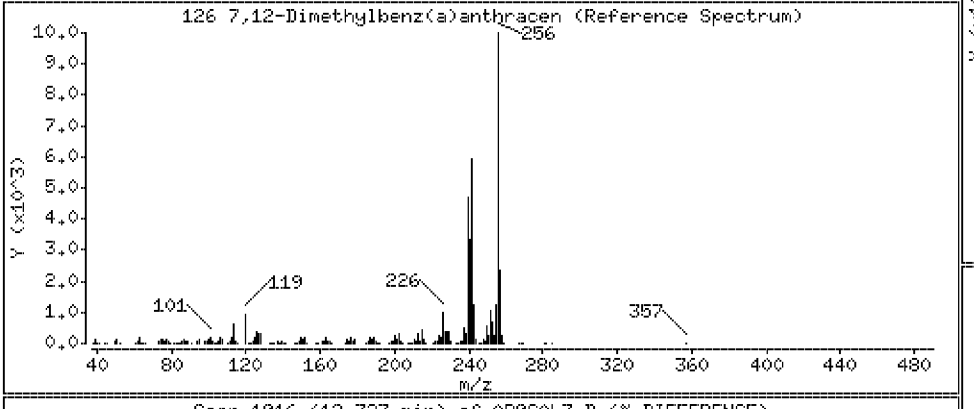
Purge Volume: 1000.0 Operator: PEL

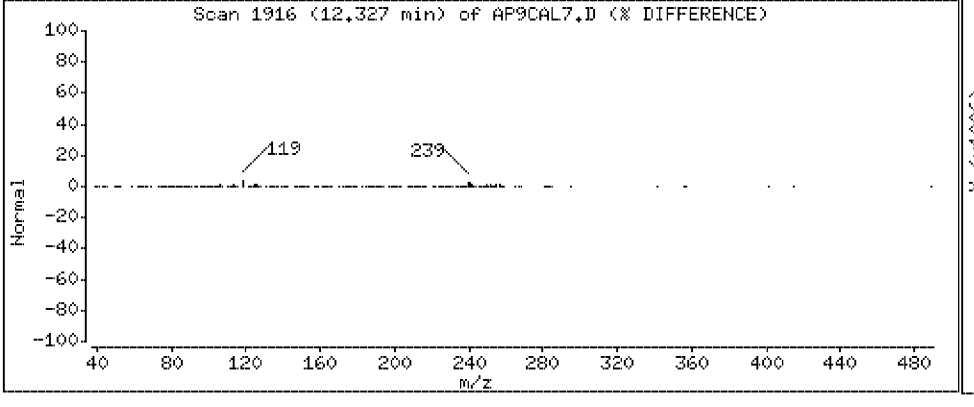
Column phase: HPMS-5 Column diameter: 0.25

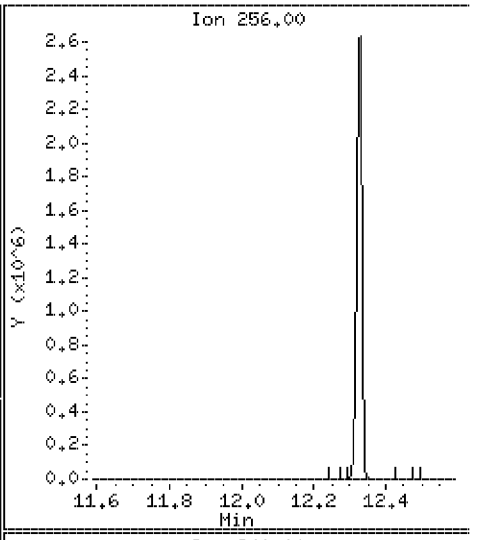
126 7,12-Dimethylbenz(a)anthracen Concentration: 115 ug/l

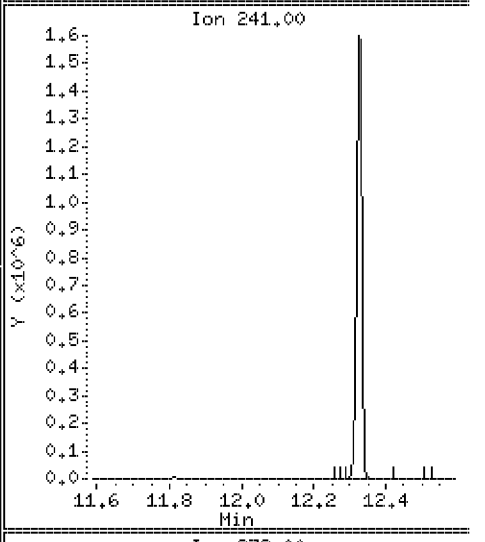


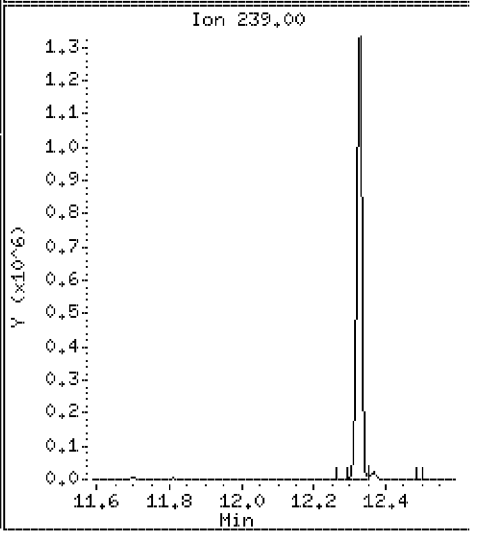












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

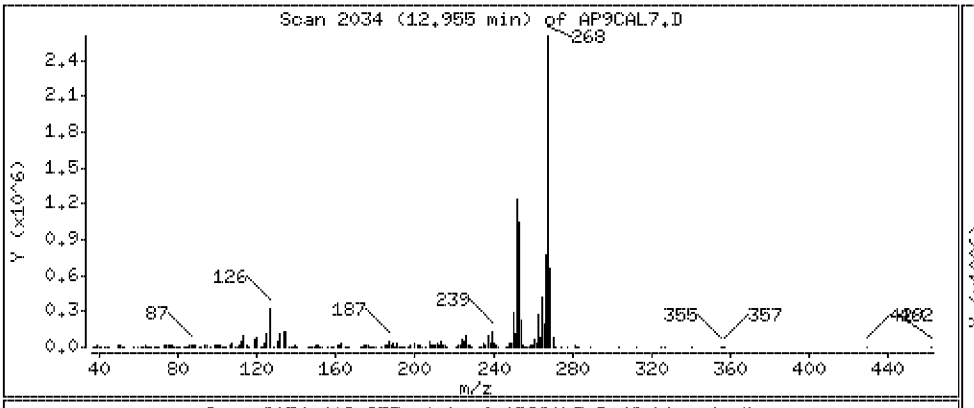
Operator: PEL

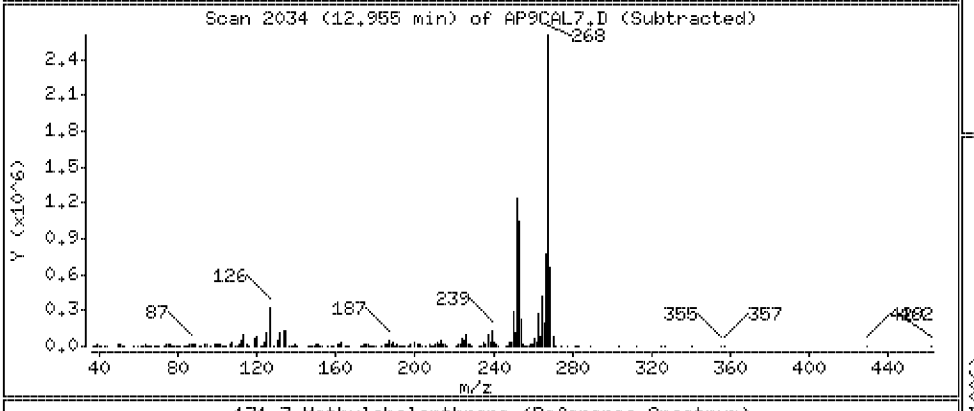
Column phase: HPMS-5

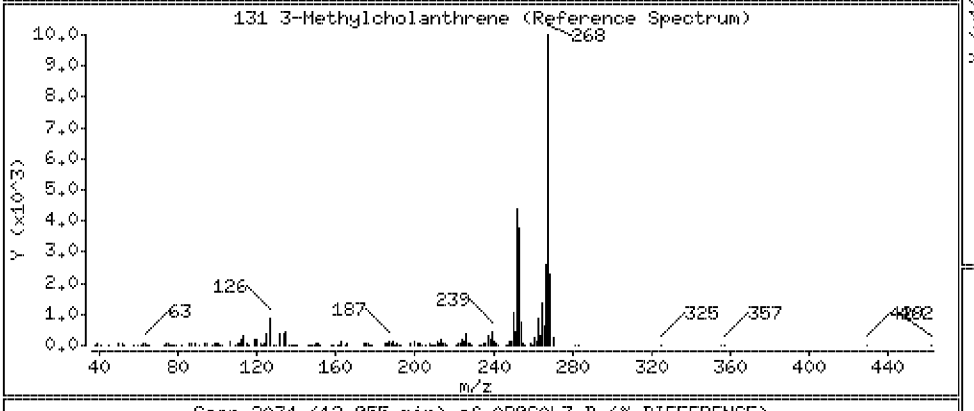
Column diameter: 0.25

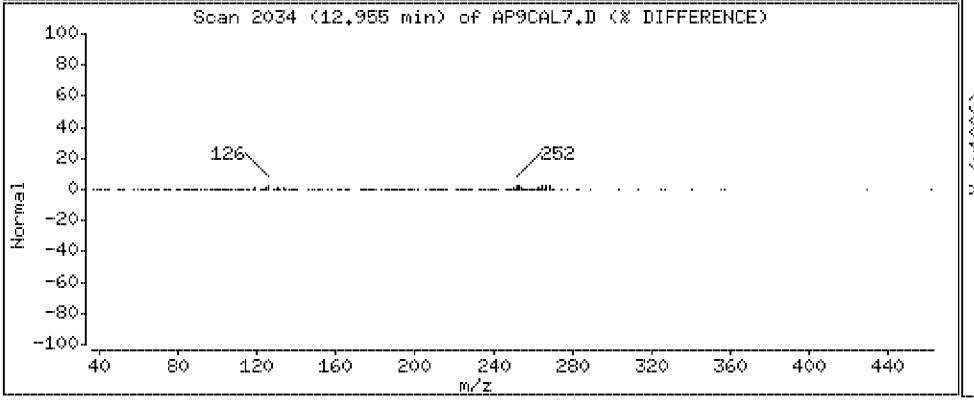
131 3-Methylcholanthrene

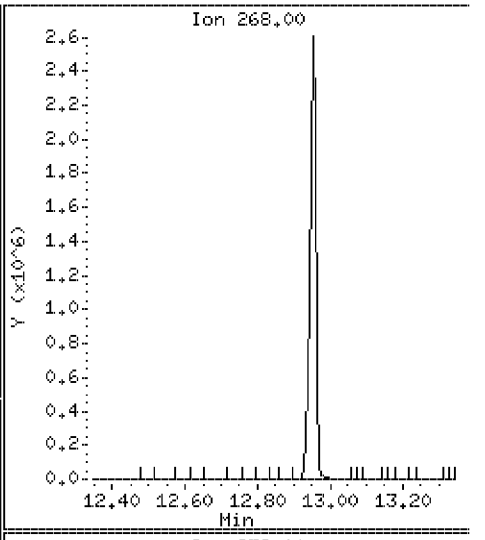
Concentration: 113 ug/l

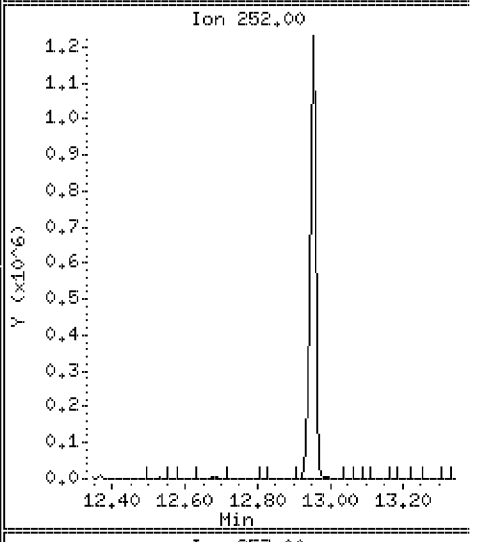


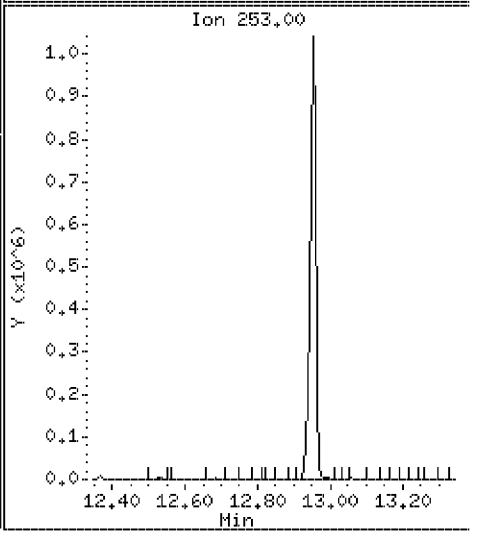












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL7.D

Date : 23-APR-2012 17:06

Client ID: AP9CAL7

Instrument: smsd03.i

Sample Info: 45955

Purge Volume: 1000.0

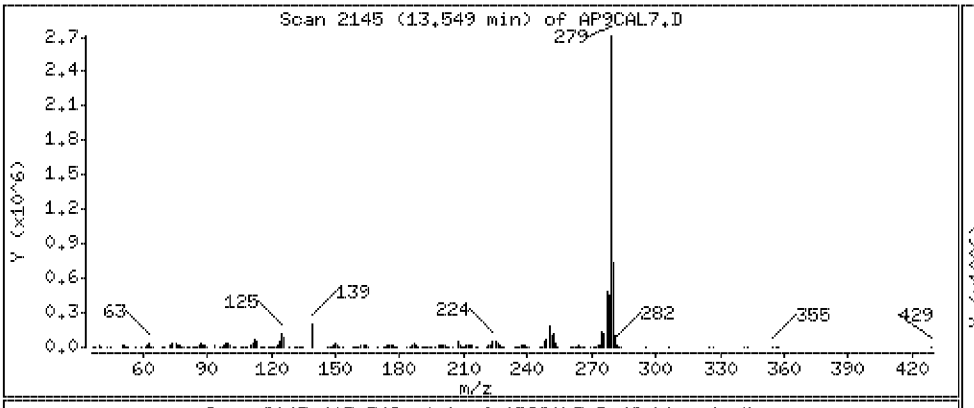
Operator: PEL

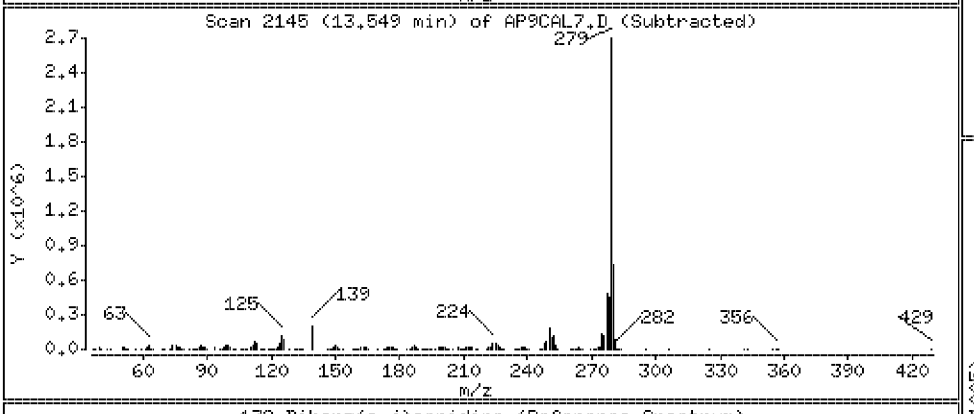
Column phase: HPMS-5

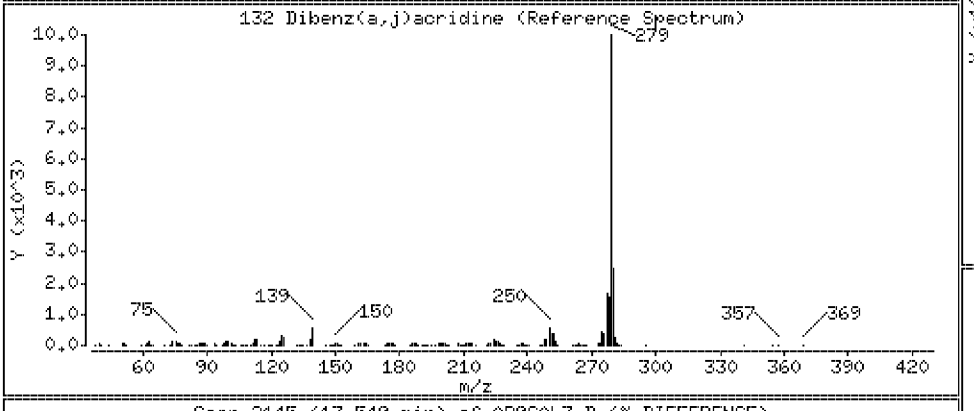
Column diameter: 0.25

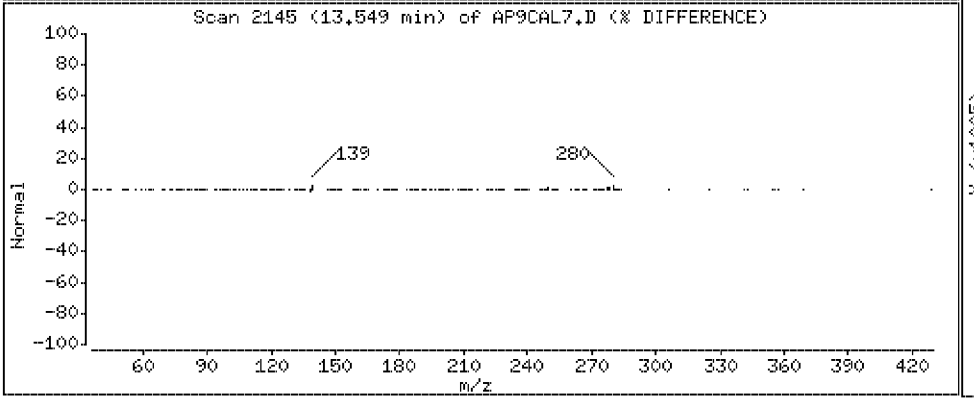
132 Dibenz(a,j)acridine

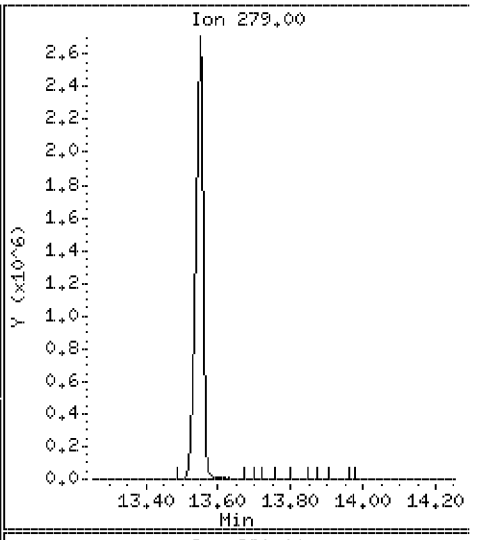
Concentration: 103 ug/l

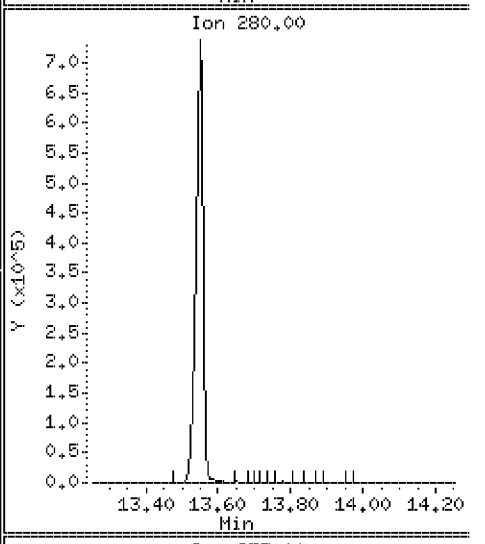


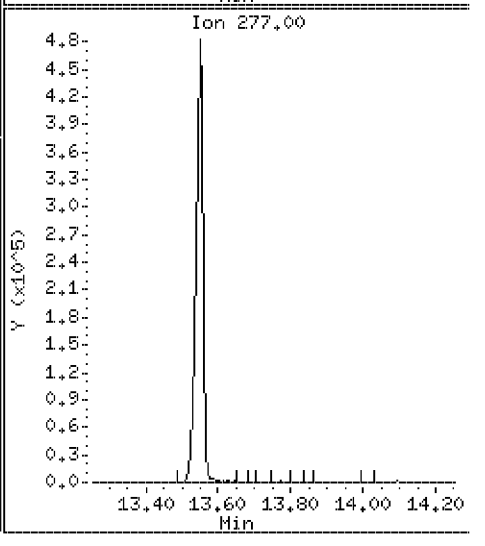












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D
Lab Smp Id: 45956 Client Smp ID: AP9CAL6
Inj Date : 23-APR-2012 17:30 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45956
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:30 Cal File: AP9CAL6.D
Als bottle: 19 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
3 2- Picoline							CAS #: 109-06-8	
2.928	3.382 (0.658)	93	853617	75.0000		78.1	70.00- 130.00	100.00
2.927	3.382 (0.658)	66	427971				46.98- 106.98	50.14
2.928	3.382 (0.658)	92	215094				941.44-1001.44	25.20
4 N-Nitrosomethylethylamine							CAS #: 10595-95-6	
3.007	3.005 (0.676)	88	361010	75.0000		77.5	80.00- 120.00	100.00
3.007	3.005 (0.676)	43	172631				16.66- 76.66	47.82
3.006	3.005 (0.676)	42	350856				75.28- 135.28	97.19
5 Methyl Methanesulfonate							CAS #: 66-27-3	
3.242	3.383 (0.729)	80	572990	75.0000		74.4	70.00- 130.00	100.00
3.241	3.383 (0.729)	79	342361				41.30- 101.30	59.75
3.242	3.383 (0.729)	65	160447				390.98- 450.98	28.00
7 N-Nitrosodiethylamine							CAS #: 55-18-5	
3.553	3.383 (0.799)	102	365707	75.0000		79.2	70.00- 130.00	100.00
3.552	3.383 (0.799)	42	247864				4947.35-5007.35	67.78
3.553	3.383 (0.799)	57	153834				172953.97-173013.97	42.06
8 Ethyl Methanesulfonate							CAS #: 62-50-0	
3.791	4.446 (0.853)	79	618243	75.0000		77.3	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.791	4.446	(0.853)	109	321095			103.08- 163.08	51.94
3.791	4.446	(0.853)	97	114776			71.09- 131.09	18.56
	12 Pentachloroethane						CAS #: 76-01-7	
4.208	4.207	(0.946)	167	357642	75.0000	78.4	80.00- 120.00	100.00
4.207	4.207	(0.946)	117	254013			42.54- 102.54	71.02
4.208	4.207	(0.946)	130	156307			11.81- 71.81	43.70
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.447	4.448	(1.000)	152	298462	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	187559			32.20- 92.20	62.84
4.447	4.448	(1.000)	150	453528			139.77- 199.77	151.96
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.793	4.944	(1.078)	100	397160	75.0000	81.6	70.00- 130.00	100.00
4.792	4.944	(1.078)	41	260938			349.38- 409.38	65.70
4.792	4.944	(1.078)	42	230668			7836.39-7896.39	58.08
	25 Acetophenone						CAS #: 98-86-2	
4.803	4.807	(0.856)	105	1116279	75.0000	79.7	70.00- 130.00	100.00
4.803	4.807	(0.856)	77	1108339			4410.01-4470.01	99.29
4.802	4.807	(0.856)	51	292765			1262.06-1322.06	26.23
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.822	4.446	(1.084)	56	387282	75.0000	77.7	70.00- 130.00	100.00
4.823	4.446	(1.084)	116	143494			116.25- 176.25	37.05
4.822	4.446	(1.084)	86	272657			171.65- 231.65	70.40
	29 o-Toluidine						CAS #: 95-53-4	
4.839	4.814	(1.088)	106	1245188	75.0000	78.4	70.00- 130.00	100.00
4.839	4.814	(1.088)	77	302168			36058.41-36118.41	24.27
4.839	4.814	(1.088)	107	937917			76505.71-76565.71	75.32
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.098	4.798	(0.909)	114	339363	75.0000	79.7	70.00- 130.00	100.00
5.097	4.798	(0.909)	42	388210			3934.42-3994.42	114.39
5.097	4.798	(0.909)	55	198687			491.51- 551.51	58.55
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.339	5.338	(1.201)	198	576170	75.0000	80.3	80.00- 120.00	100.00
5.338	5.338	(1.200)	97	382053			34.93- 94.93	66.31
5.338	5.338	(1.200)	65	303332			24.79- 84.79	52.65
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.442	5.370	(0.970)	58	1192662	75.0000	79.9	70.00- 130.00	100.00(M)
5.443	5.370	(0.971)	91	364994			64.34- 124.34	30.60
5.443	5.370	(0.971)	65	218047			12409.05-12469.05	18.28
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.608	5.610	(1.000)	136	979519	40.0000		80.00- 120.00	100.00
5.608	5.610	(1.000)	68	54365			0.00- 35.51	5.55

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.694	5.691	(1.015)	162	664341	75.0000	81.0	70.00- 130.00	100.00
5.693	5.691	(1.015)	63	498230			8424.37-8484.37	75.00
5.694	5.691	(1.015)	98	183058			164.07- 224.07	27.55
47 Hexachloropropene						CAS #: 1888-71-7		
5.714	5.712	(1.019)	213	874739	75.0000	80.2	80.00- 120.00	100.00
5.714	5.712	(1.019)	215	562495			34.61- 94.61	64.30
5.712	5.712	(1.019)	117	177240			0.00- 50.39	20.26
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.995	6.287	(1.069)	84	658793	75.0000	83.5	70.00- 130.00	100.00
5.995	6.287	(1.069)	57	377280			1288.18-1348.18	57.27
5.995	6.287	(1.069)	41	324251			66.46- 126.46	49.22
52 Isosafrole						CAS #: 120-58-1		
6.202	6.619	(1.106)	162	660423	75.0000	83.2	70.00- 130.00	100.00
6.201	6.619	(1.106)	104	477036			0.00- 46.22	72.23
6.201	6.619	(1.106)	131	312667			37.69- 97.69	47.34
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.453	6.452	(0.884)	216	1018883	75.0000	80.7	80.00- 120.00	100.00
6.453	6.452	(0.884)	214	806123			48.19- 108.19	79.12
6.452	6.452	(0.883)	108	186089			0.00- 47.81	18.26
60 Safrole						CAS #: 94-59-7		
6.704	6.619	(1.195)	162	603858	75.0000	81.0	70.00- 130.00	100.00
6.703	6.619	(1.195)	104	380845			0.00- 46.22	63.07
6.703	6.619	(1.195)	77	245453			0.00- 57.00	40.65
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.933	6.642	(0.949)	158	575015	75.0000	80.7	70.00- 130.00	100.00
6.933	6.642	(0.949)	102	503947			523.56- 583.56	87.64
6.933	6.642	(0.949)	130	265442			0.00- 46.52	46.16
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.071	7.368	(0.968)	168	273345	75.0000	81.1	70.00- 130.00	100.00
7.070	7.368	(0.968)	75	351777			98.40- 158.40	128.69
7.069	7.368	(0.968)	50	191267			177.84- 237.84	69.97
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.304	7.305	(1.000)	164	666011	40.0000		80.00- 120.00	100.00
7.304	7.305	(1.000)	162	642348			64.73- 124.73	96.45
7.304	7.305	(1.000)	160	301315			12.46- 72.46	45.24
73 Pentachlorobenzene						CAS #: 608-93-5		
7.469	7.467	(1.023)	250	985562	75.0000	80.1	80.00- 120.00	100.00
7.469	7.467	(1.023)	252	641895			34.92- 94.92	65.13
7.467	7.467	(1.022)	108	273462			0.00- 56.94	27.75
77 1-Naphthylamine						CAS #: 134-32-7		
7.583	7.837	(1.038)	143	923187	75.0000	79.3	70.00- 130.00	100.00
7.583	7.837	(1.038)	115	510569			7143.21-7203.21	55.31

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	77 1-Naphthylamine (continued)							
7.583	7.837	(1.038)	89	110951			2068.79-2128.79	12.02
	78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2	
7.637	7.634	(1.046)	232	543945	75.0000	80.5	70.00- 130.00	100.00
7.636	7.634	(1.045)	168	147707			42.05- 102.05	27.15
7.636	7.634	(1.045)	131	231348			9.10- 69.10	42.53
	79 2-Naphthylamine						CAS #: 91-59-8	
7.663	7.837	(1.049)	143	1209254	75.0000	79.2	70.00- 130.00	100.00
7.663	7.837	(1.049)	115	682985			7143.21-7203.21	56.48
7.663	7.837	(1.049)	116	278588			667.96- 727.96	23.04
	83 5-Nitro-ortho-toluidine						CAS #: 99-55-8	
7.860	7.896	(1.076)	152	481606	75.0000	81.2	70.00- 130.00	100.00
7.860	7.896	(1.076)	106	352342			505.60- 565.60	73.16
7.859	7.896	(1.076)	77	603438			735.48- 795.48	125.30
	90 1,3,5-Trinitrobenzene						CAS #: 99-35-4	
8.221	8.152	(1.126)	75	1232499	75.0000	73.8	70.00- 130.00	100.00
8.221	8.152	(1.126)	74	776103			50.14- 110.14	62.97
8.223	8.152	(1.126)	213	467629			40.88- 100.88	37.94
	89 Diallate						CAS #: 2303-16-4	
8.231	8.081	(1.127)	86	686401	75.0000	83.0	70.00- 130.00	100.00(M)
8.231	8.081	(1.127)	43	641736			0.00- 38.70	93.49
8.236	8.081	(1.128)	234	443053			0.00- 39.00	64.55
	92 Phenacetin						CAS #: 62-44-2	
8.272	8.384	(0.944)	109	742694	75.0000	76.8	70.00- 130.00	100.00
8.272	8.384	(0.944)	108	861250			77.38- 137.38	115.96
8.272	8.384	(0.944)	179	503035			133.19- 193.19	67.73
	91 p-Phenylenediamine						CAS #: 106-50-3	
8.272	8.082	(0.944)	108	861250	75.0000	81.4	70.00- 130.00	100.00
8.272	8.082	(0.944)	80	234332			1858.68-1918.68	27.21
8.271	8.082	(0.944)	53	109603			5306.16-5366.16	12.73
	97 Pentachloronitrobenzene						CAS #: 82-68-8	
8.591	8.589	(0.981)	237	407646	75.0000	81.8	80.00- 120.00	100.00
8.592	8.589	(0.981)	295	158587			7.36- 67.36	38.90
8.590	8.589	(0.980)	142	279763			42.99- 102.99	68.63
	98 4-Aminobiphenyl						CAS #: 92-67-1	
8.579	8.584	(0.979)	169	1845690	75.0000	77.0	70.00- 130.00	100.00
8.579	8.584	(0.979)	168	420391			0.00- 49.63	22.78
8.578	8.584	(0.979)	115	226304			0.00- 40.98	12.26
	99 Pronamide						CAS #: 23950-58-5	
8.636	8.781	(0.986)	173	941452	75.0000	79.0	70.00- 130.00	100.00
8.636	8.781	(0.986)	175	616130			2051.90-2111.90	65.44
8.636	8.781	(0.986)	145	374075			63.94- 123.94	39.73

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.761	8.761	(1.000)	188	1387353	40.0000		80.00- 120.00	100.00
8.760	8.761	(1.000)	94	92158			0.00- 36.35	6.64
8.760	8.761	(1.000)	80	124028			0.00- 37.82	8.94
102 Dinoseb						CAS #: 88-85-7		
8.756	8.753	(0.999)	211	610967	75.0000	74.9	80.00- 120.00	100.00
8.756	8.753	(0.999)	163	234938			7.77- 67.77	38.45
8.755	8.753	(0.999)	117	132630			0.00- 52.05	21.71
106 4-Nitroquinoline-1-oxide						CAS #: 56-57-5		
9.545	9.334	(1.089)	174	21770	75.0000	76.9	70.00- 130.00	100.00(Q)
9.546	9.334	(1.090)	128	45845			429.24- 489.24	210.59
9.547	9.334	(1.090)	101	83640			988.96-1048.96	384.20
107 Methapyrilene						CAS #: 91-80-5		
9.611	10.322	(1.097)	97	36707	75.0000	79.0	70.00- 130.00	100.00
9.611	10.322	(1.097)	58	39652			11.52- 71.52	108.02
9.611	10.322	(1.097)	191	5345			0.00- 52.18	14.56
108 Isodrin						CAS #: 465-73-6		
9.803	10.279	(1.119)	193	325901	75.0000	77.1	70.00- 130.00	100.00
9.801	10.279	(1.119)	66	283159			17952.44-18012.44	86.88
9.803	10.279	(1.119)	195	279501			1135.23-1195.23	85.76
113 Aramite						CAS #: 140-57-8		
10.373	10.370	(0.914)	185	306934	75.0000	80.8	80.00- 120.00	100.00(M)
10.373	10.370	(0.914)	191	153193			21.78- 81.78	49.91
10.298	10.370	(0.907)	319	109139			6.67- 66.67	35.56
114 p-Dimethylamino azobenzene						CAS #: 60-11-7		
10.463	10.323	(0.922)	225	780185	75.0000	83.4	70.00- 130.00	100.00
10.462	10.323	(0.921)	120	727454			99.50- 159.50	93.24
10.462	10.323	(0.921)	77	766758			9.48- 69.48	98.28
115 Chlorobenzilate						CAS #: 510-15-6		
10.506	10.503	(0.925)	251	1219311	75.0000	84.3	80.00- 120.00	100.00
10.506	10.503	(0.925)	253	799341			35.78- 95.78	65.56
10.504	10.503	(0.925)	139	1096575			60.72- 120.72	89.93
116 Kepone						CAS #: 143-50-0		
10.848	10.840	(0.955)	272	199377	75.0000	80.5	80.00- 120.00	100.00(QM)
10.848	10.840	(0.955)	274	156171			51.74- 111.74	78.33
10.843	10.840	(0.955)	237	200246			0.00- 59.52	100.44
117 3,3-Dimethylbenzidine						CAS #: 119-93-7		
10.795	10.799	(0.951)	212	2170075	75.0000	76.3	70.00- 130.00	100.00
10.794	10.799	(0.951)	106	156020			2299.94-2359.94	7.19
10.794	10.799	(0.951)	180	173859			6.44- 66.44	8.01
119 2-Acetylaminofluorene						CAS #: 53-96-3		
11.046	10.324	(0.973)	181	1387253	75.0000	84.6	70.00- 130.00	100.00
11.046	10.324	(0.973)	223	912020			491.83- 551.83	65.74

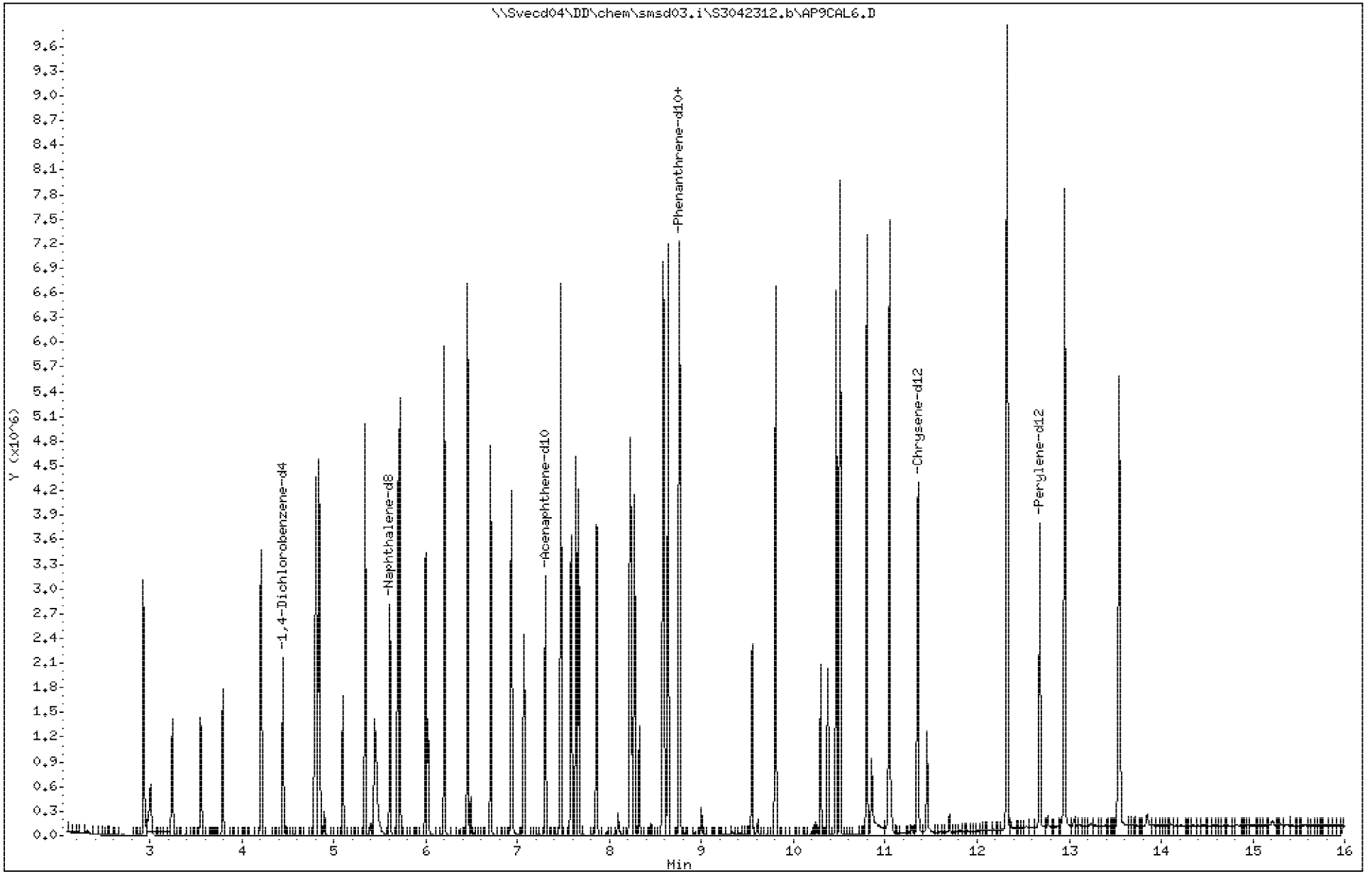
				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
119 2-Acetylaminofluorene (continued)								
11.046	10.324	(0.973)	180	1215555			639.65- 699.65	87.62
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.354	11.359	(1.000)	240	1590626	40.0000		80.00- 120.00	100.00
11.352	11.359	(1.000)	120	85425			0.00- 36.38	5.37
11.354	11.359	(1.000)	236	418850			0.00- 57.06	26.33
126 7,12-Dimethylbenz(a)anthracen							CAS #: 57-97-6	
12.325	12.088	(0.972)	256	1901905	75.0000	83.6	70.00- 130.00	100.00
12.325	12.088	(0.972)	241	1084137			77.87- 137.87	57.00
12.324	12.088	(0.972)	239	890716			73.24- 133.24	46.83
* 130 Perylene-d12							CAS #: 1520-96-3	
12.680	12.682	(1.000)	264	1597995	40.0000		80.00- 120.00	100.00
12.680	12.682	(1.000)	260	391800			0.00- 54.80	24.52
12.680	12.682	(1.000)	265	363600			0.00- 53.39	22.75
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.951	12.847	(1.021)	268	2039957	75.0000	79.6	70.00- 130.00	100.00
12.952	12.847	(1.021)	252	920975			13.23- 73.23	45.15
12.952	12.847	(1.021)	253	794709			6.61- 66.61	38.96
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.545	13.755	(1.068)	279	2857565	75.0000	77.5	70.00- 130.00	100.00
13.545	13.755	(1.068)	280	710481			0.00- 41.79	24.86
13.545	13.755	(1.068)	277	466300			93.47- 153.47	16.32

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D
Date : 23-APR-2012 17:30
Client ID: AP9CAL6
Instrument: smsd03.i
Sample Info: 45956
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1670



3505835

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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

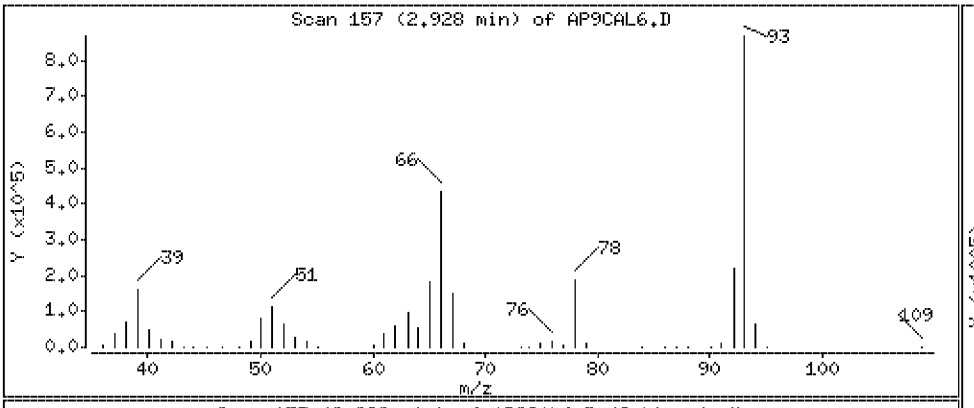
Operator: PEL

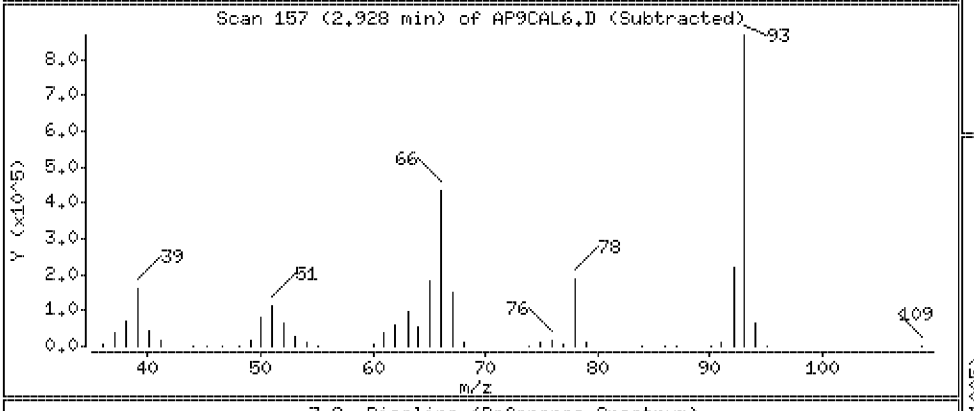
Column phase: HPMS-5

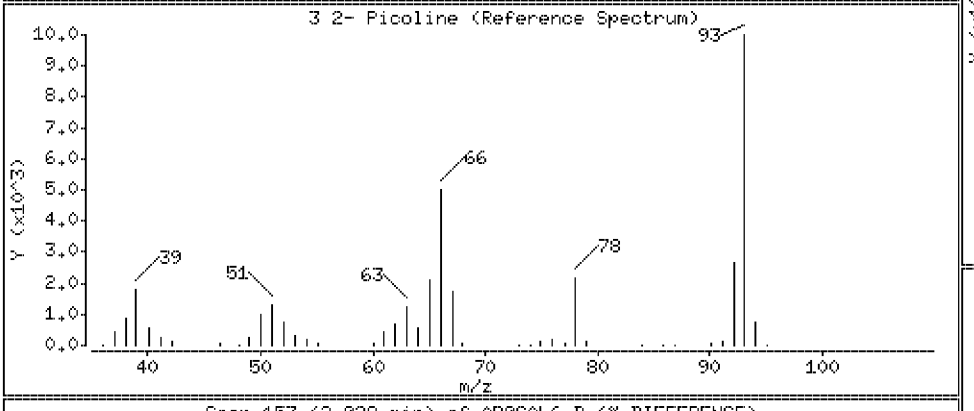
Column diameter: 0.25

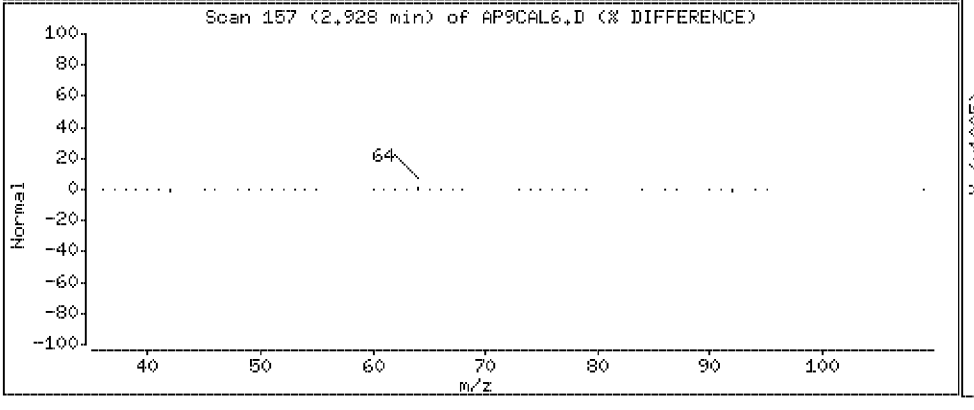
3 2- Picoline

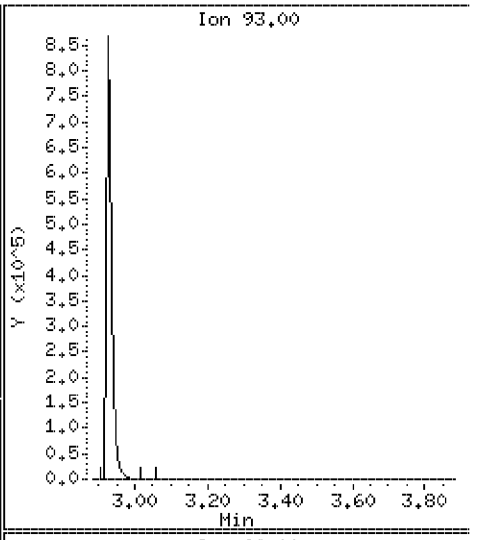
Concentration: 78.1 ug/l

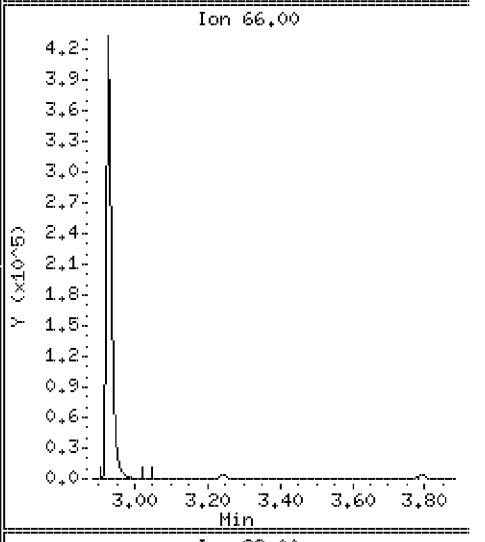


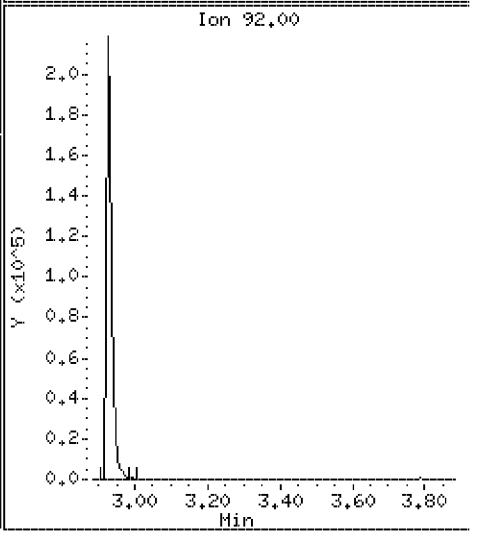












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

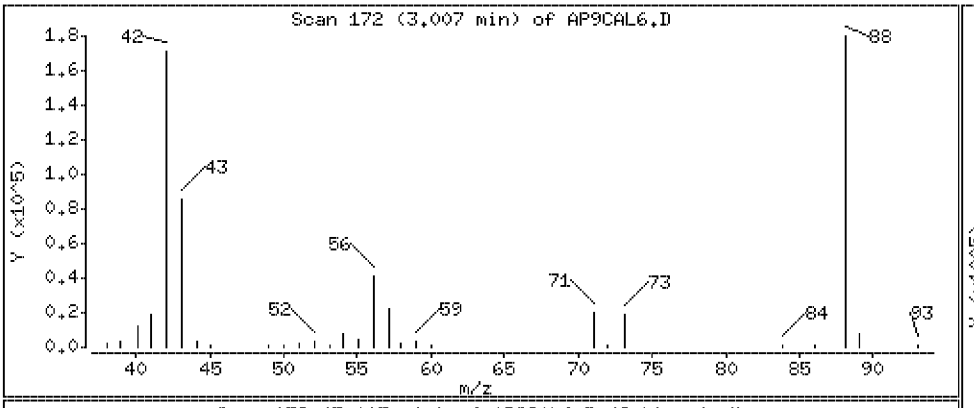
Operator: PEL

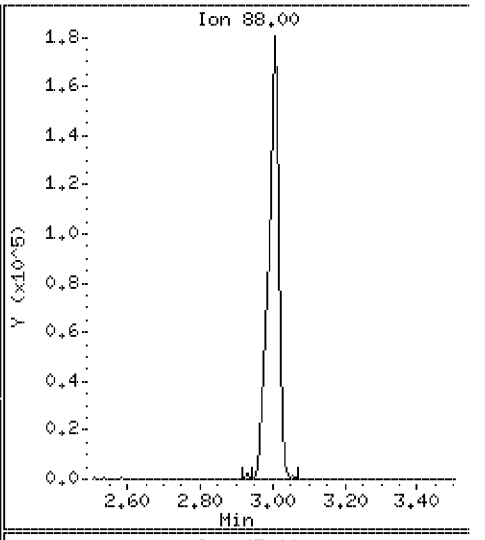
Column phase: HPMS-5

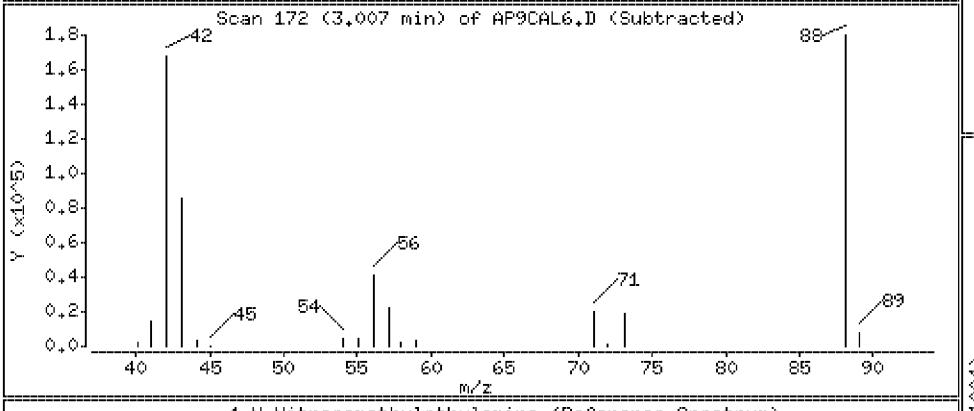
Column diameter: 0.25

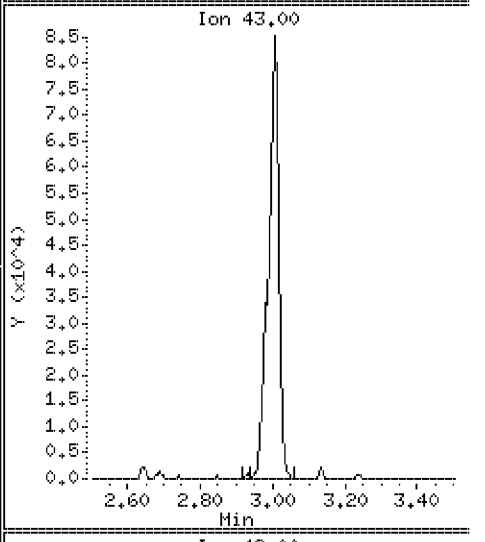
4 N-Nitrosomethylethylamine

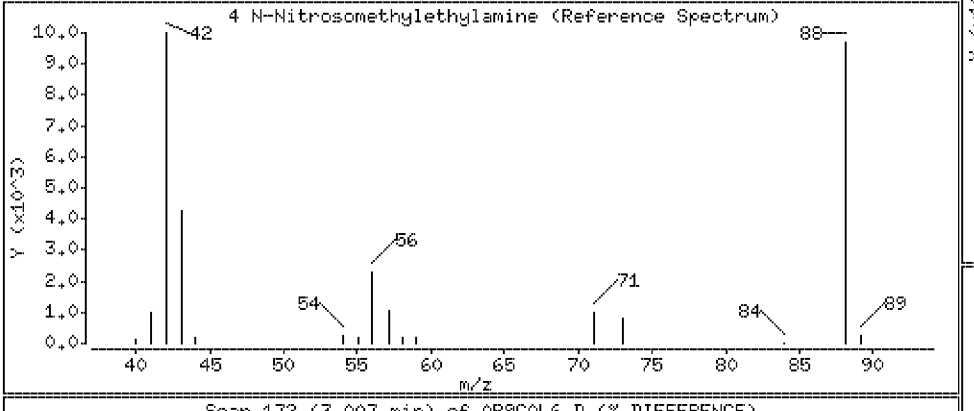
Concentration: 77.5 ug/l

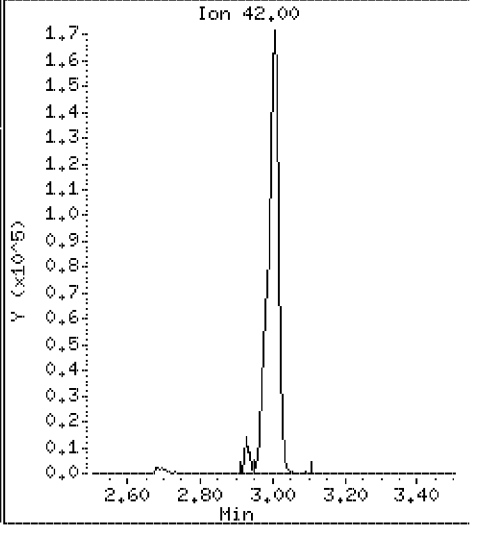


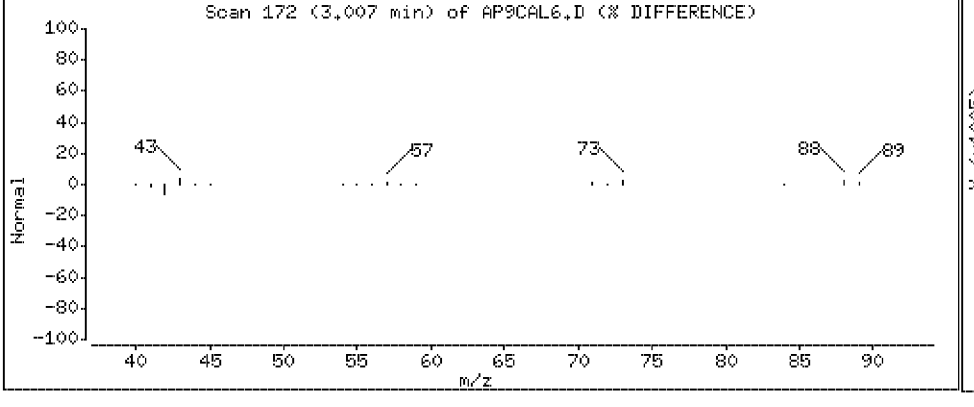












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

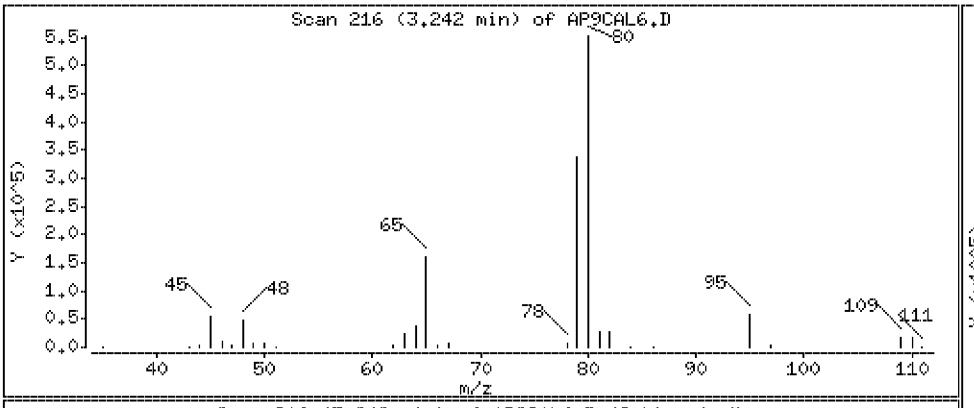
Operator: PEL

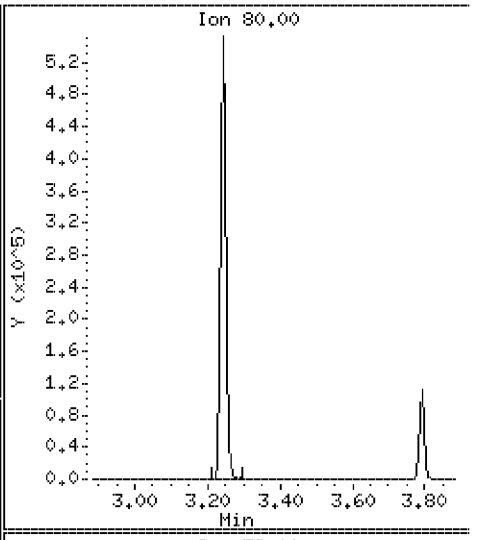
Column phase: HPMS-5

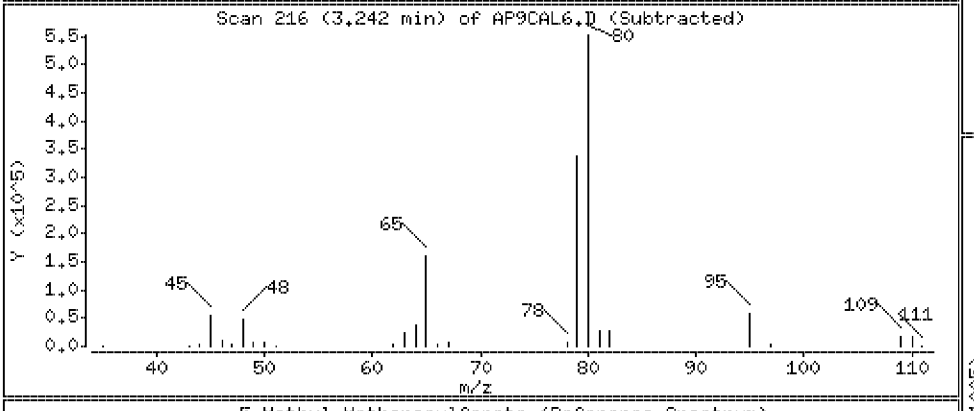
Column diameter: 0.25

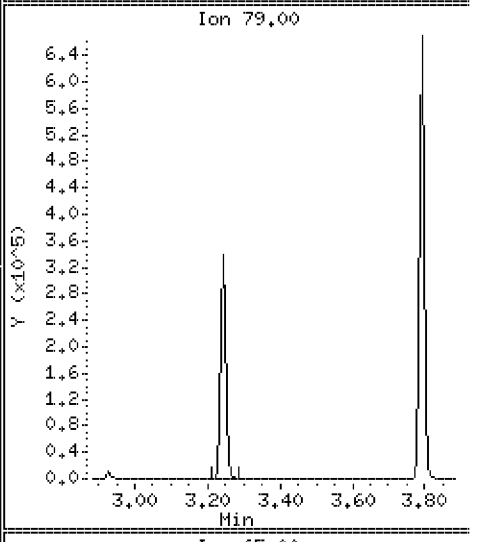
5 Methyl Methanesulfonate

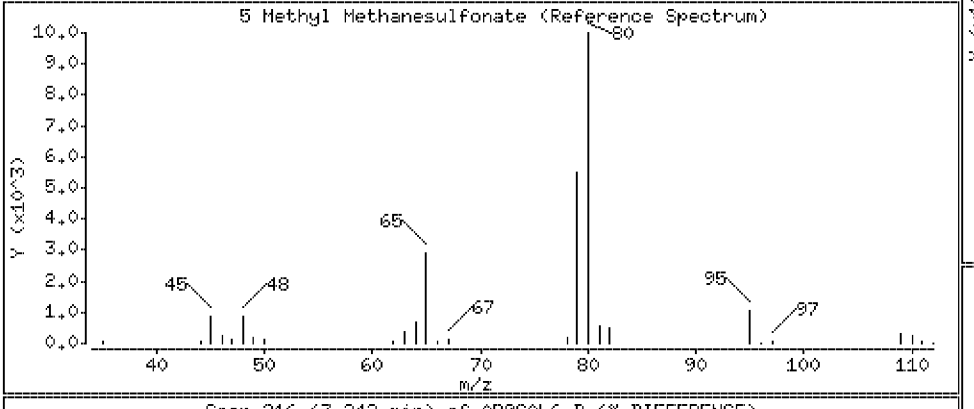
Concentration: 74.4 ug/l

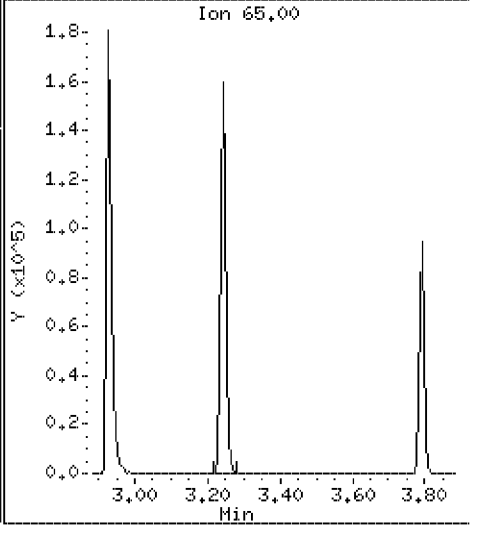


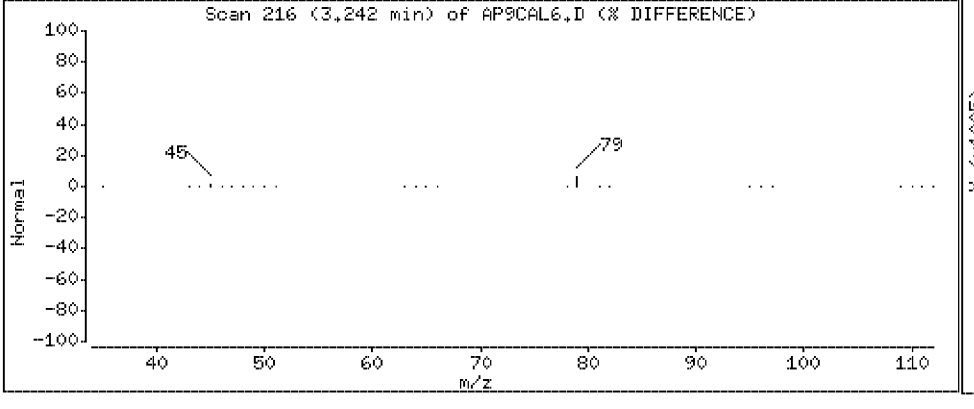












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

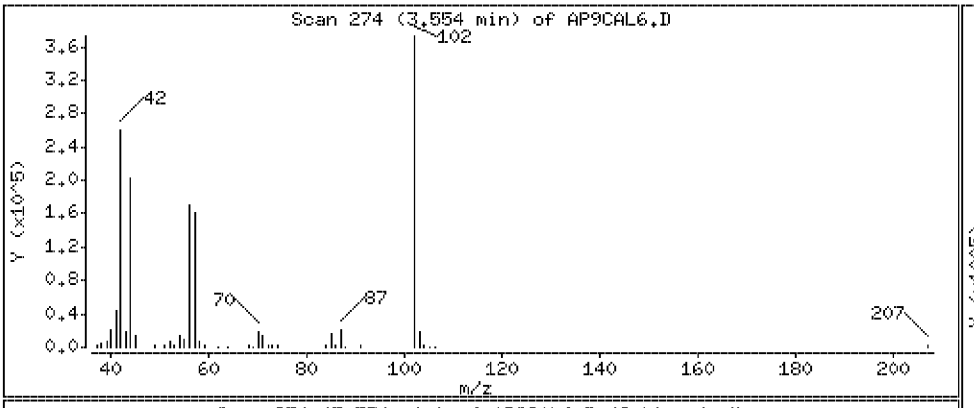
Operator: PEL

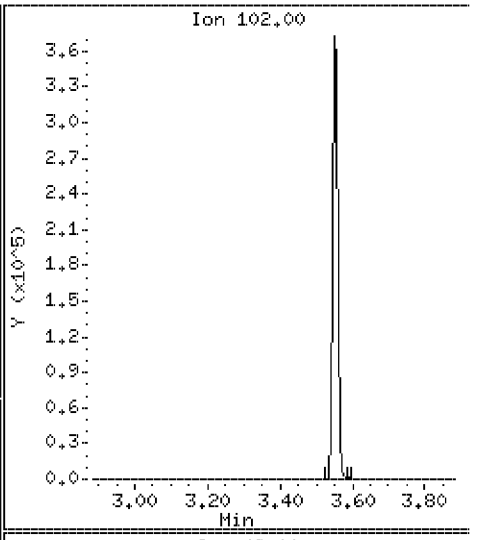
Column phase: HPMS-5

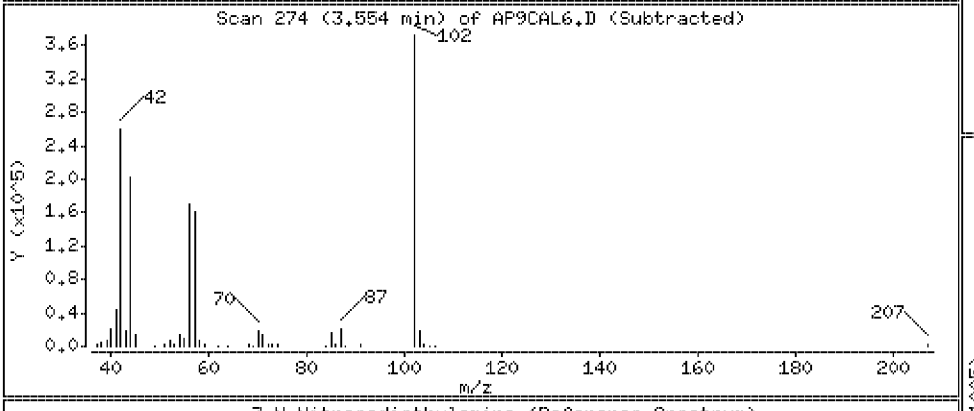
Column diameter: 0.25

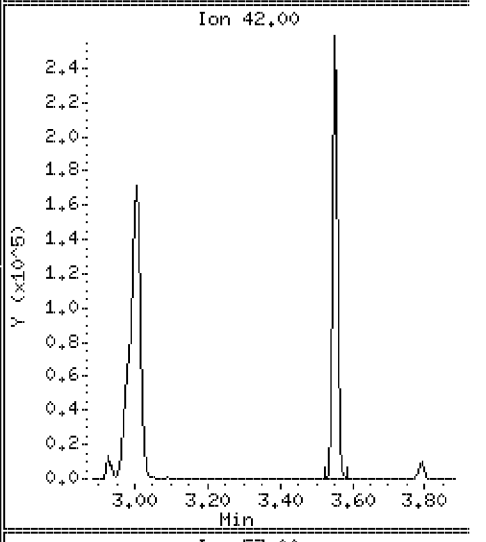
7 N-Nitrosodiethylamine

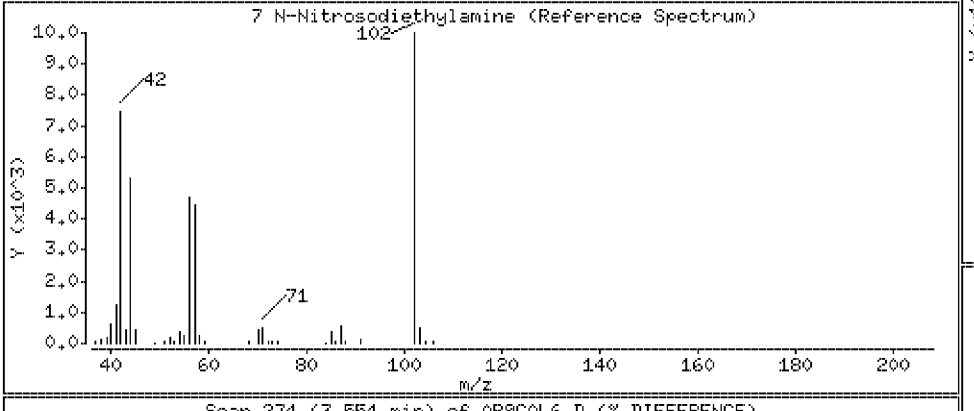
Concentration: 79.2 ug/l

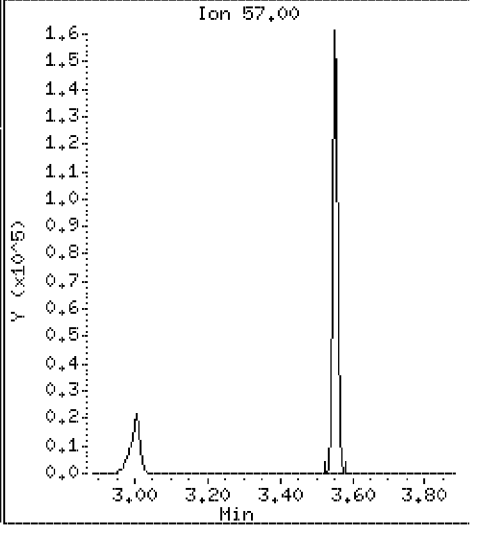


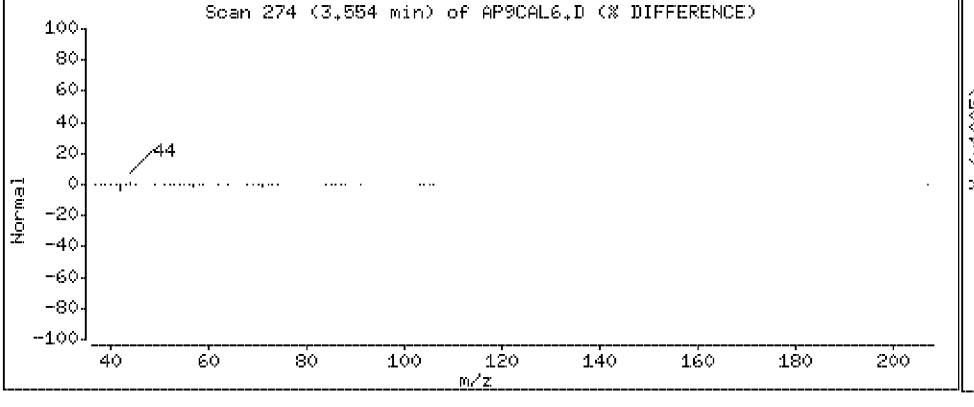












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

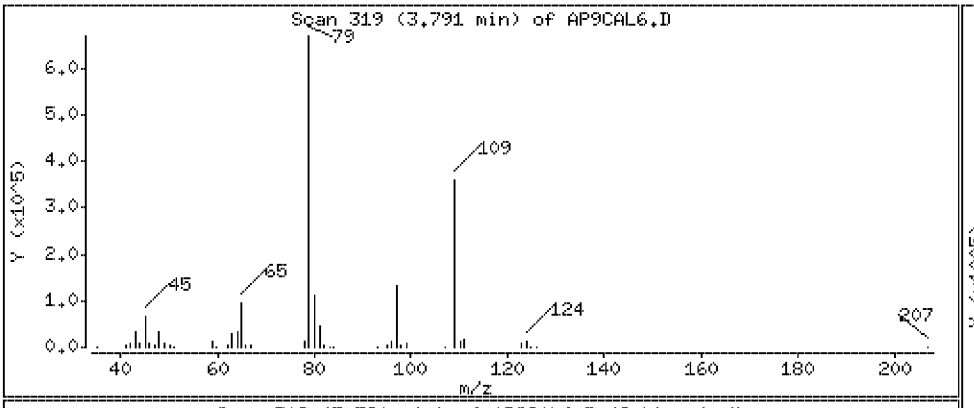
Operator: PEL

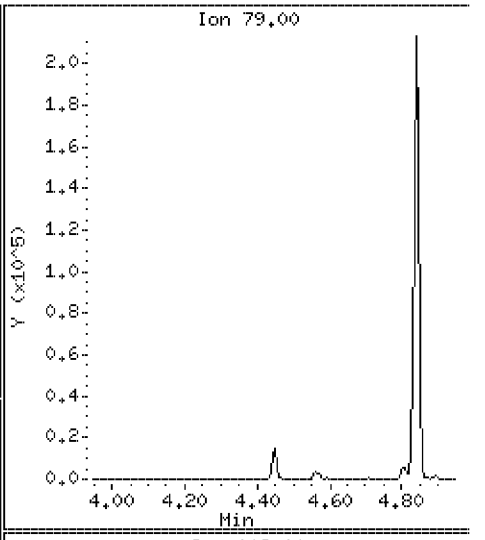
Column phase: HPMS-5

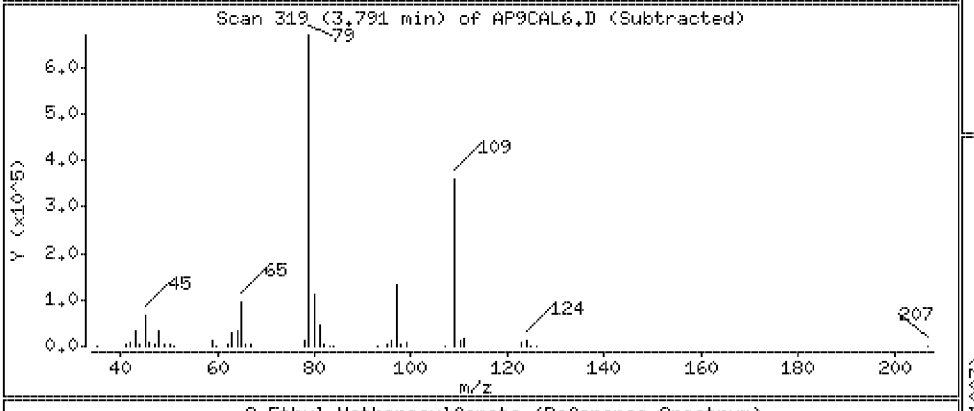
Column diameter: 0.25

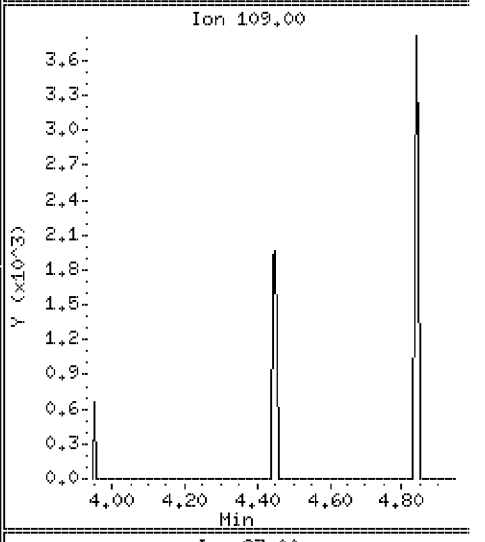
8 Ethyl Methanesulfonate

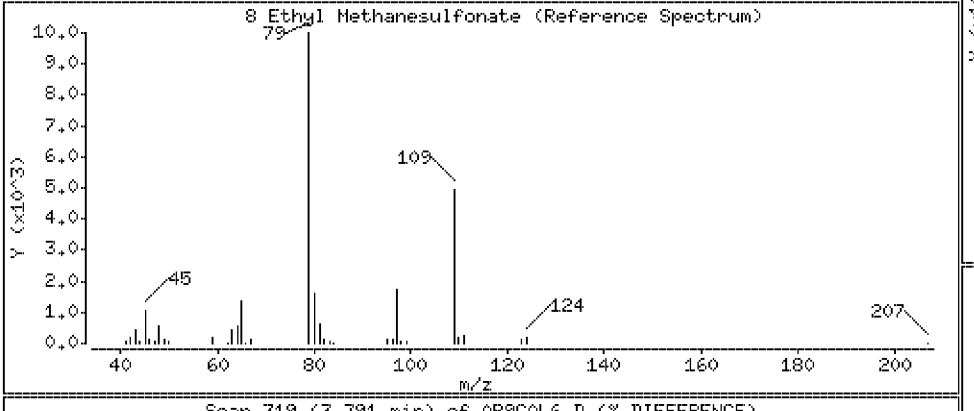
Concentration: 77.3 ug/l

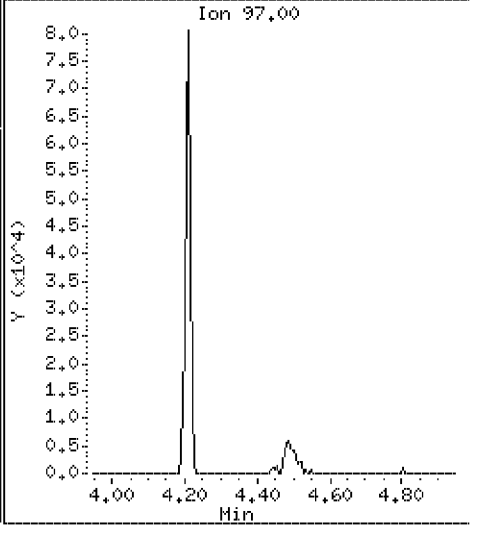


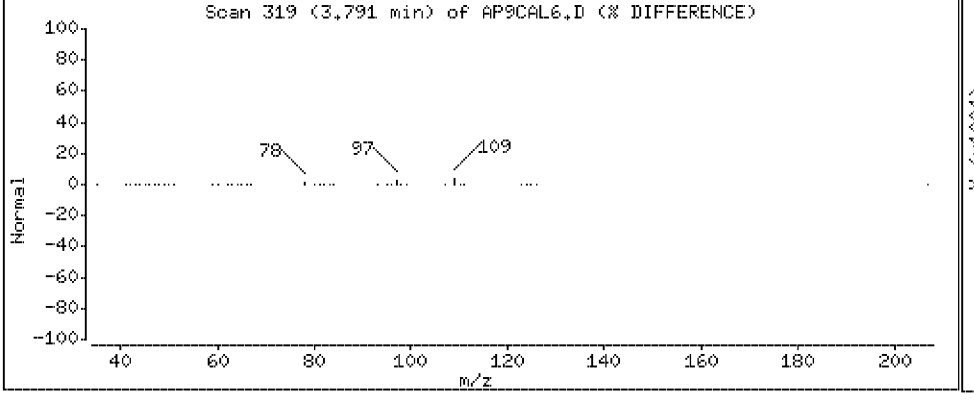












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

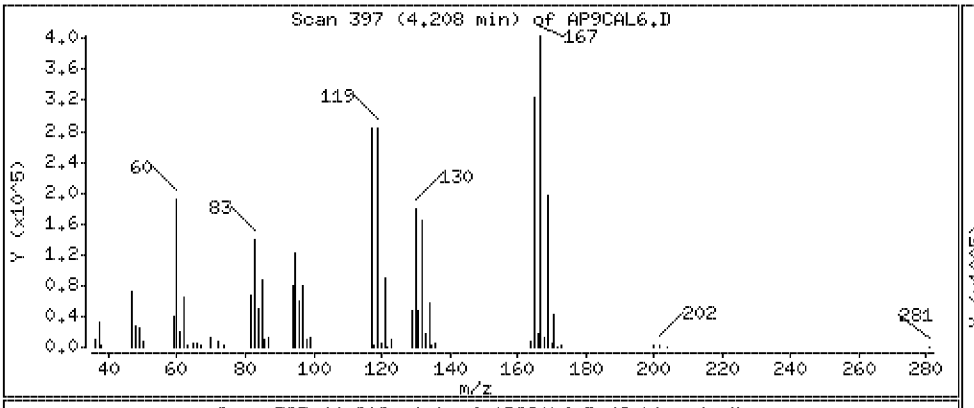
Operator: PEL

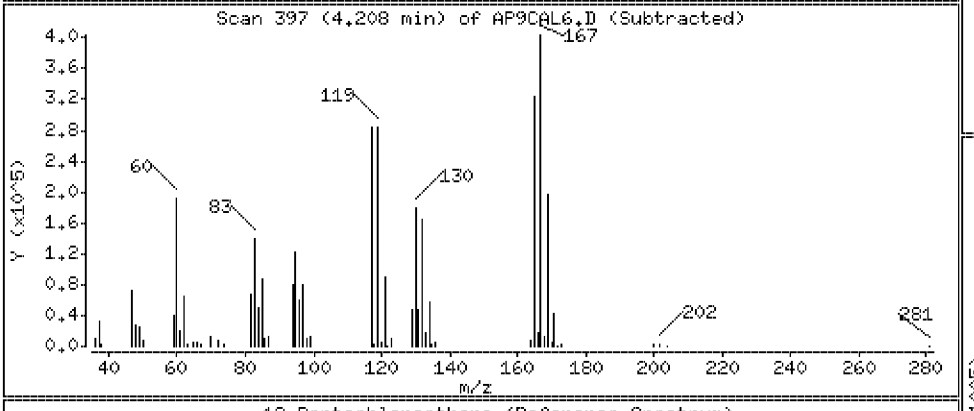
Column phase: HPMS-5

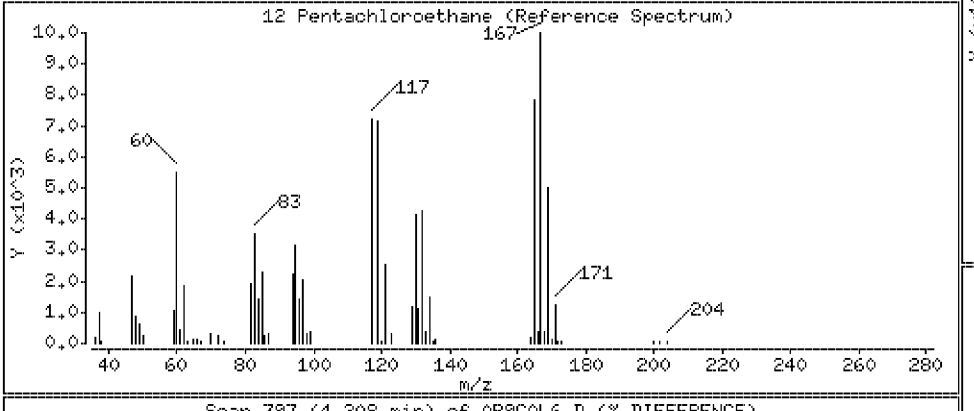
Column diameter: 0.25

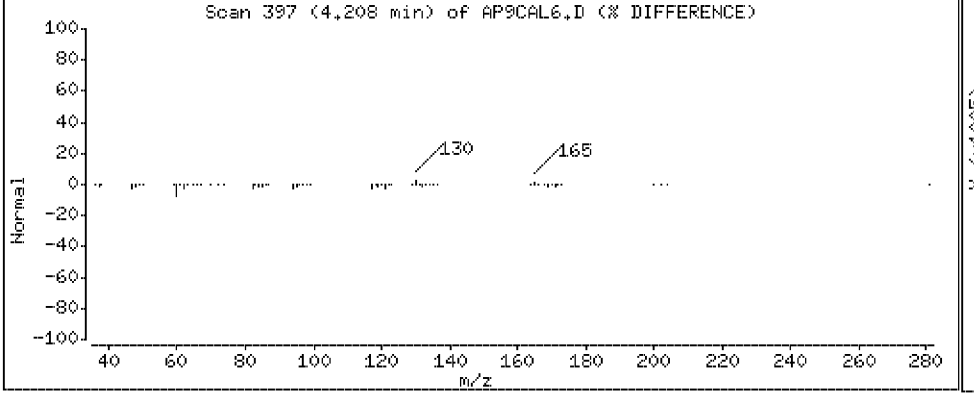
12 Pentachloroethane

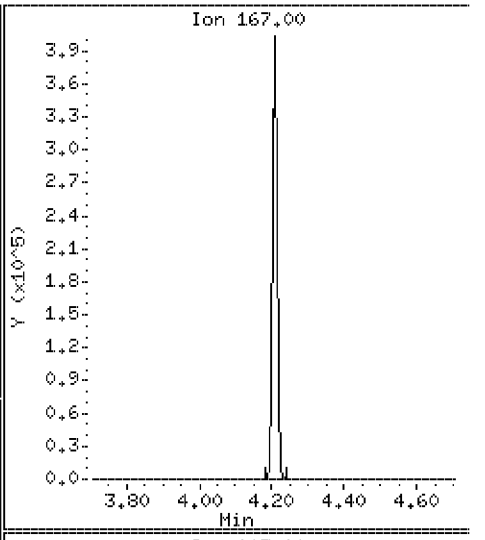
Concentration: 78.4 ug/l

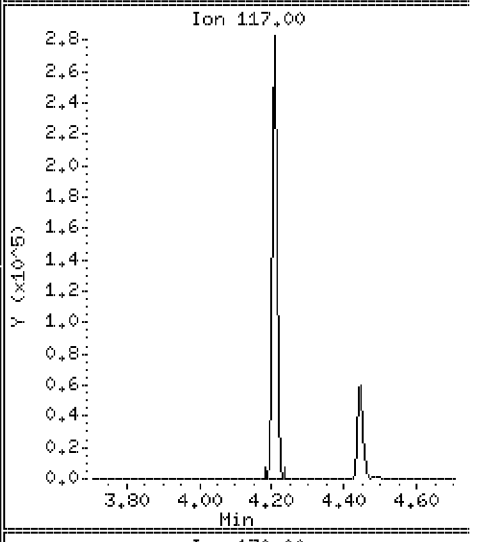


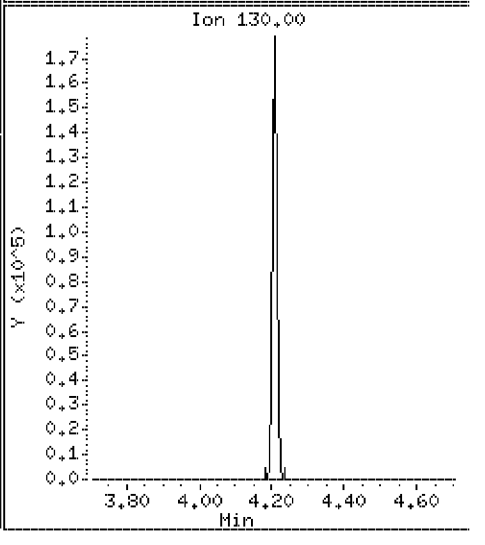












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

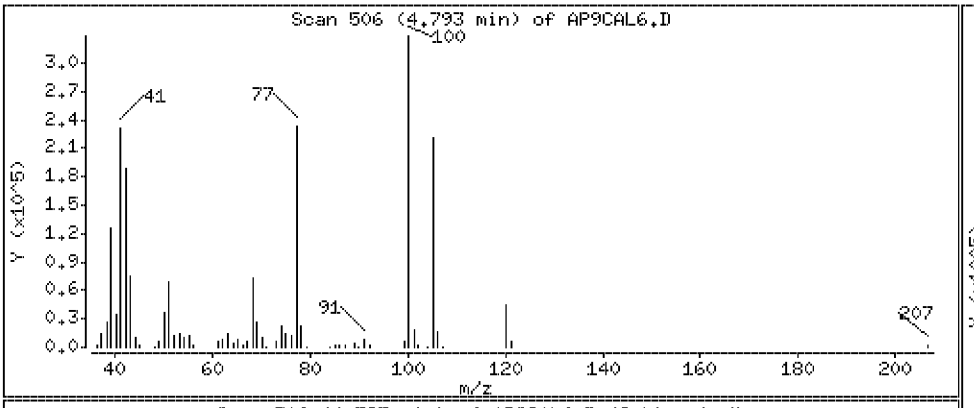
Operator: PEL

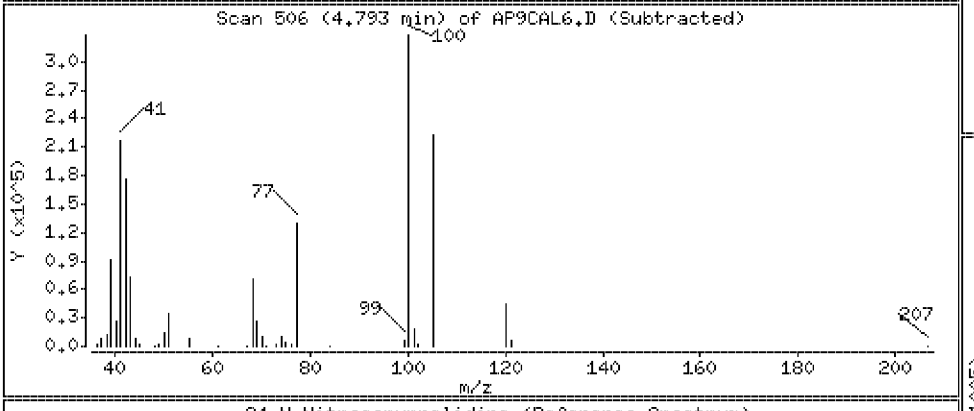
Column phase: HPMS-5

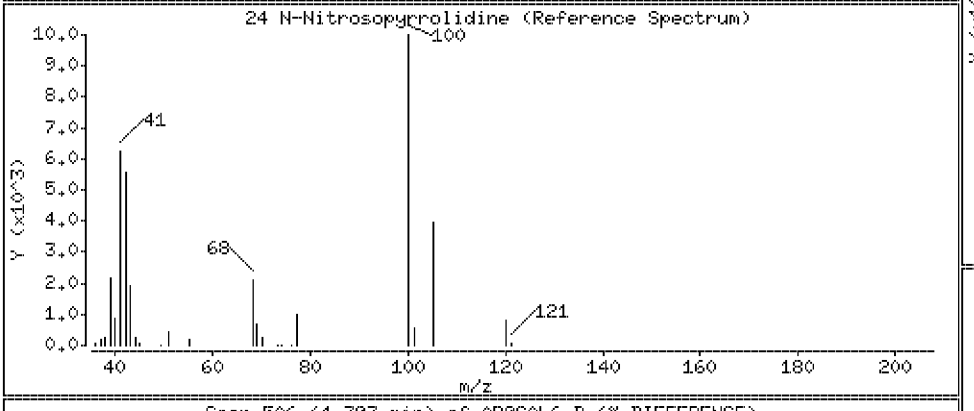
Column diameter: 0.25

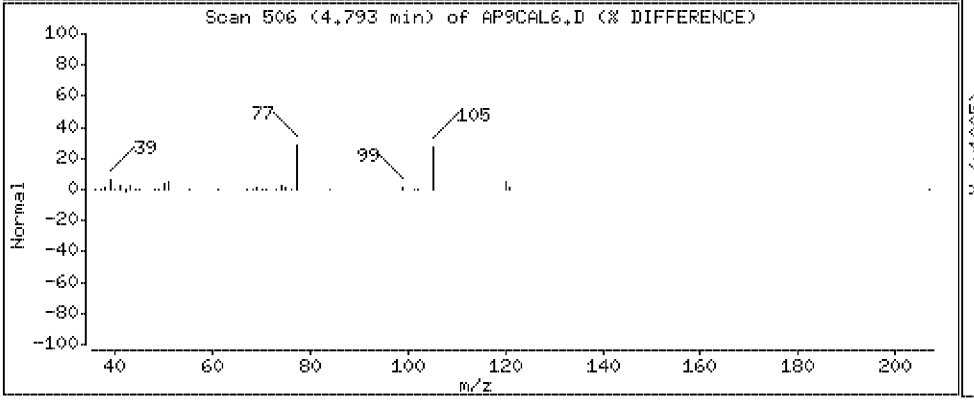
24 N-Nitrosopyrrolidine

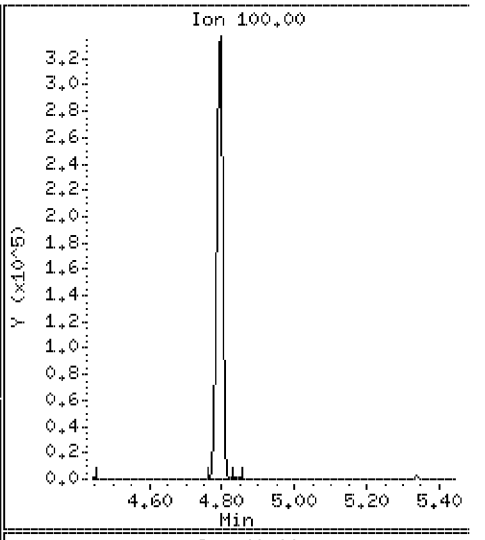
Concentration: 81.6 ug/l

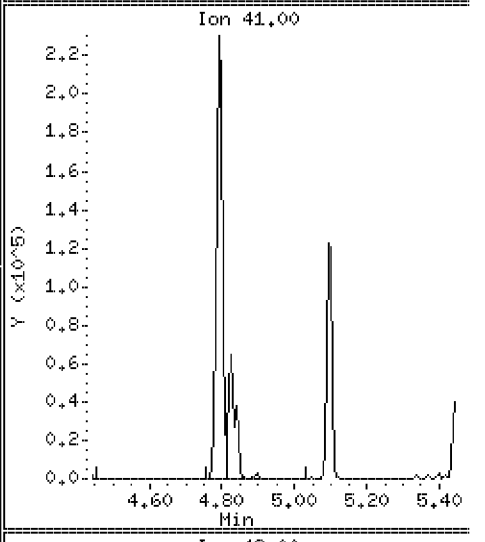


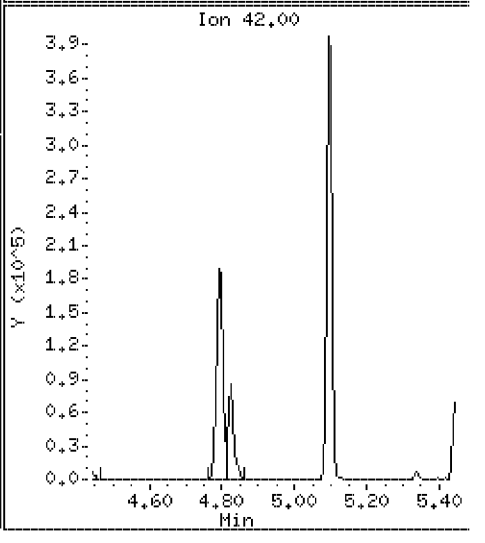












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

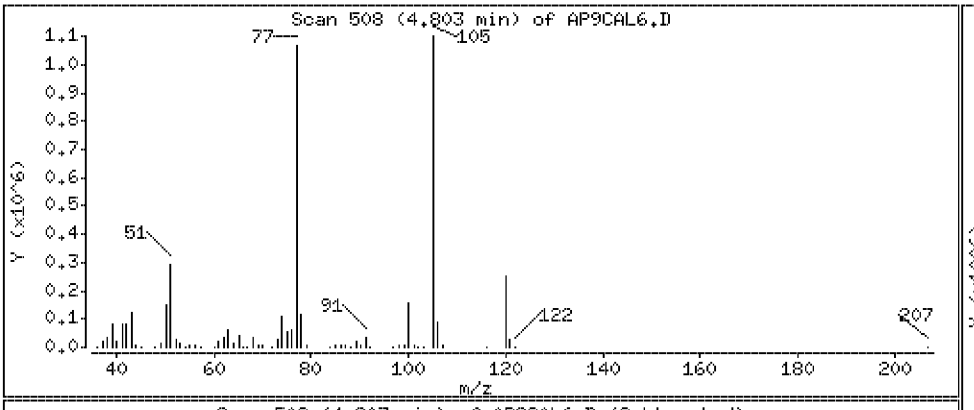
Operator: PEL

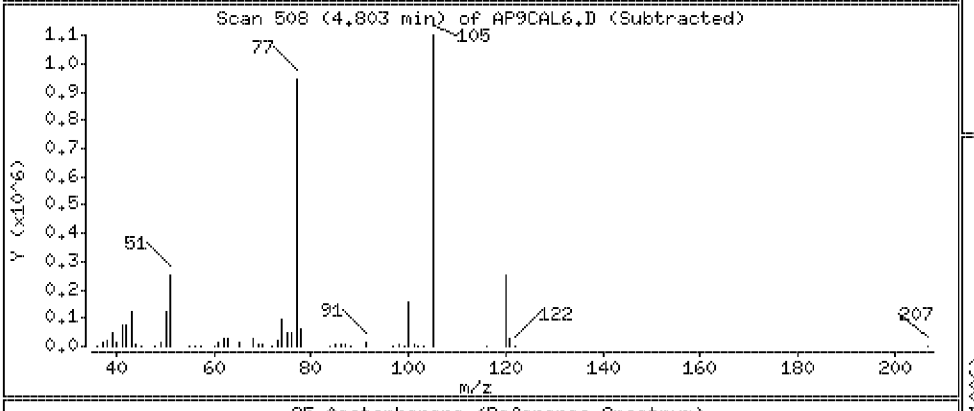
Column phase: HPMS-5

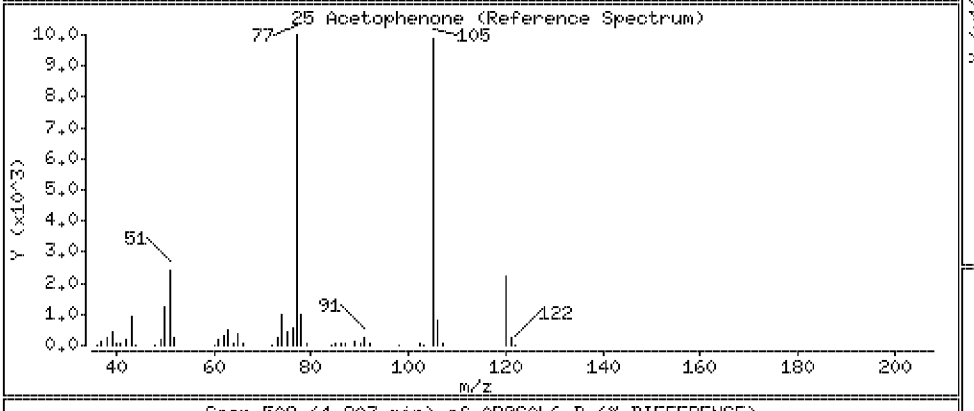
Column diameter: 0.25

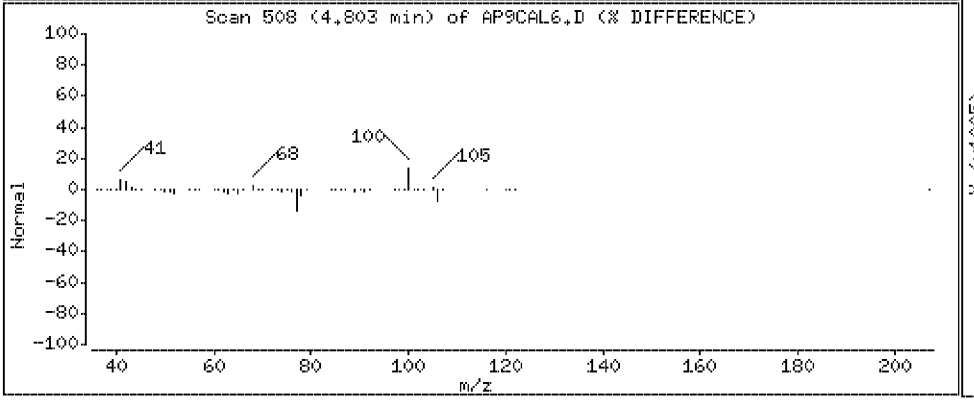
25 Acetophenone

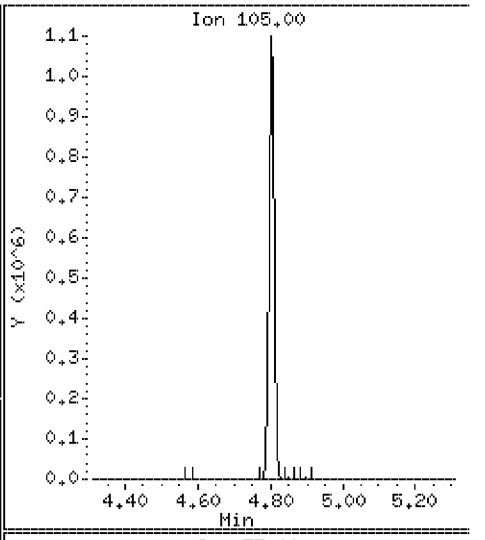
Concentration: 79.7 ug/l

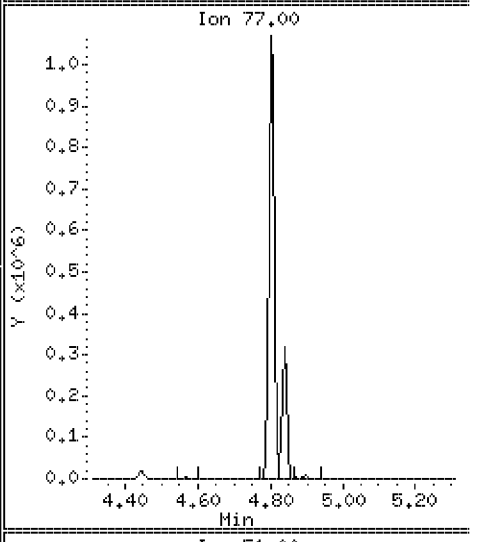


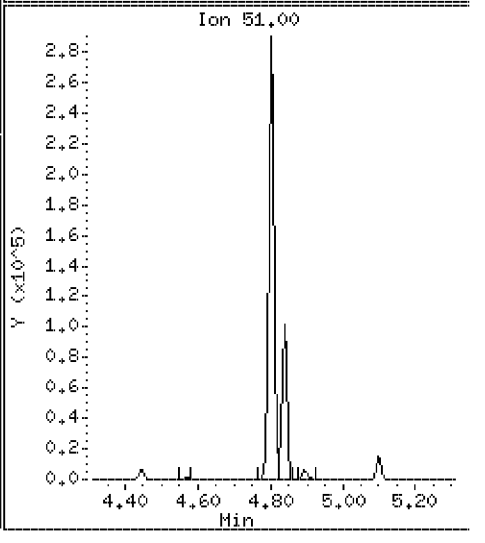












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

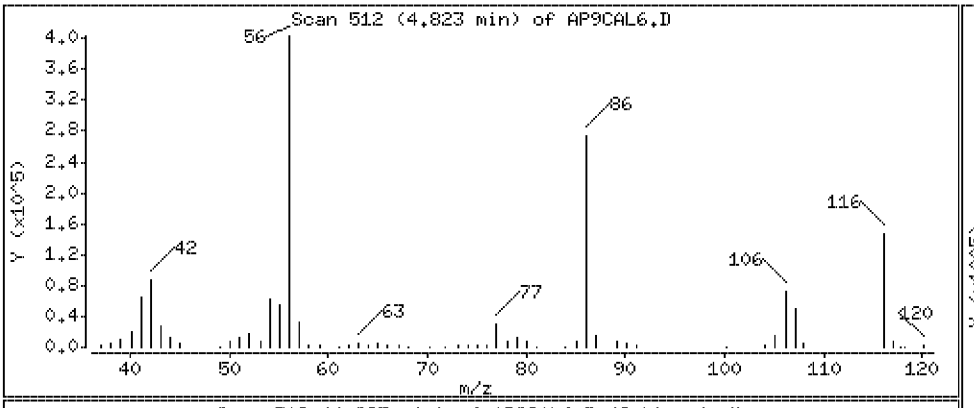
Operator: PEL

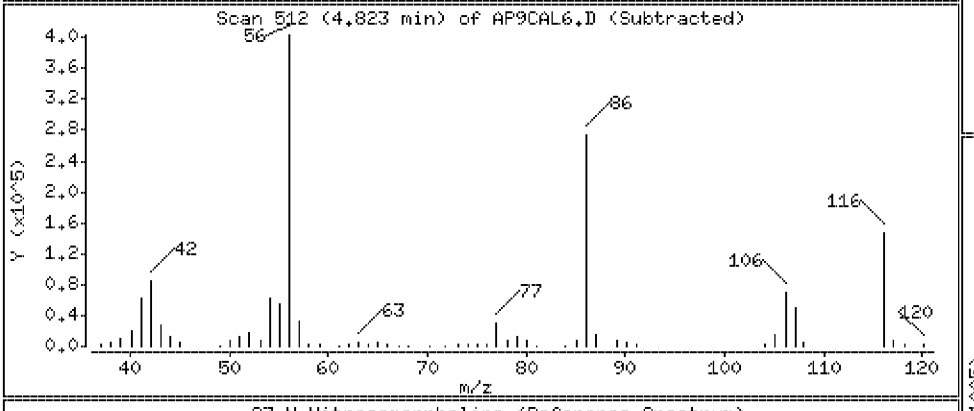
Column phase: HPMS-5

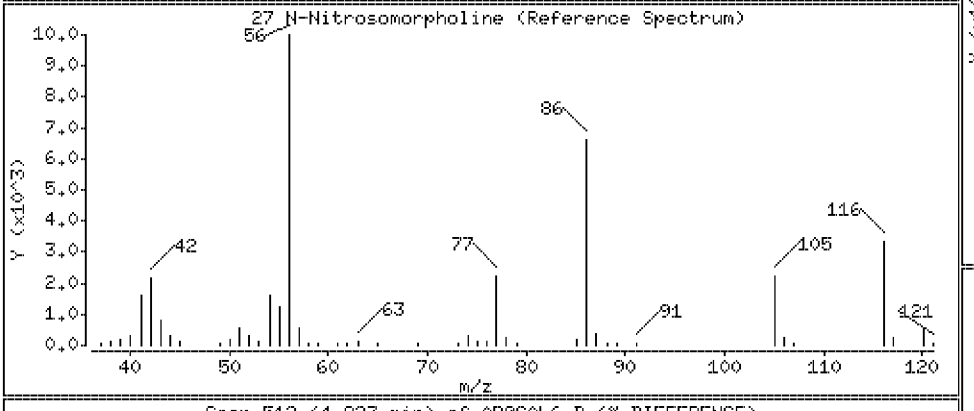
Column diameter: 0.25

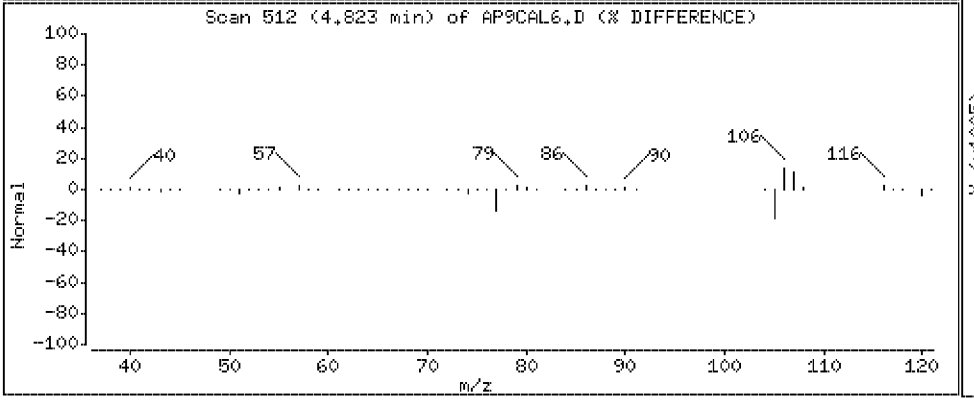
27 N-Nitrosomorpholine

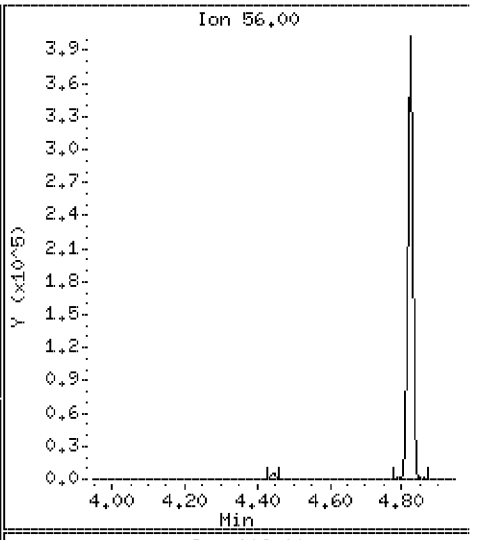
Concentration: 77.7 ug/l

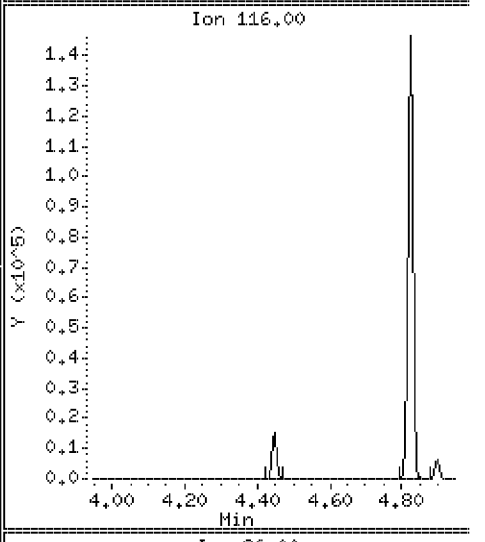


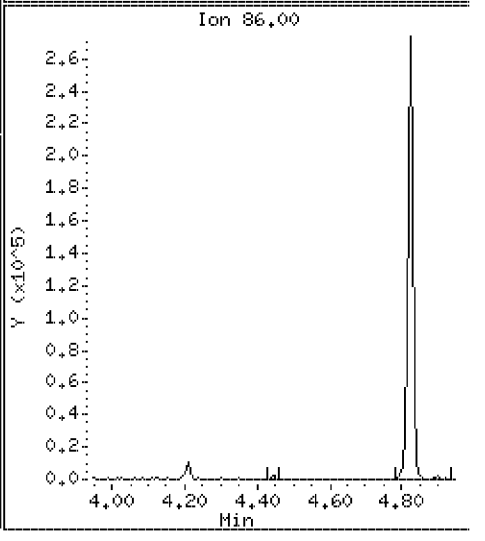












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

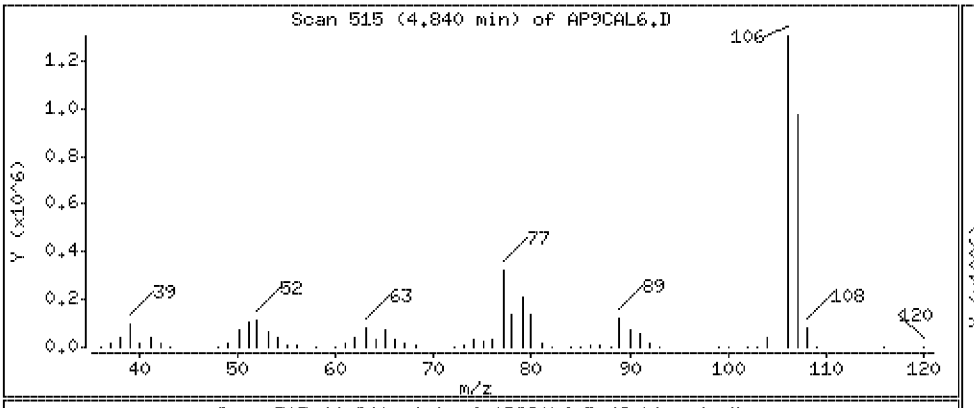
Operator: PEL

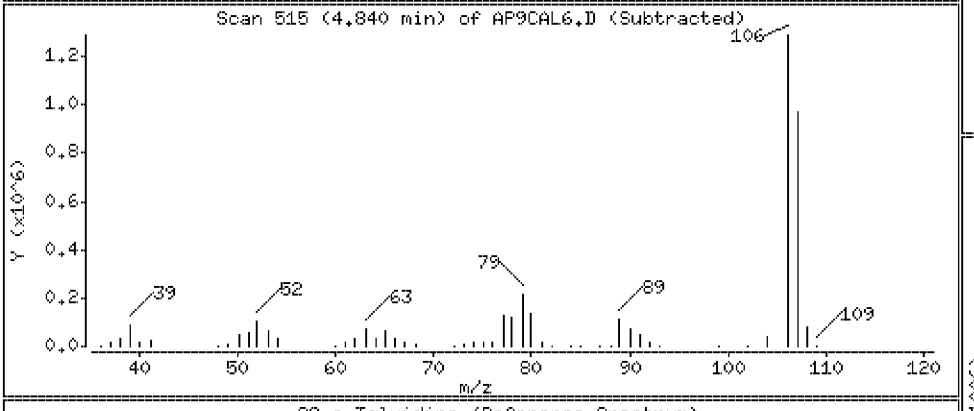
Column phase: HPMS-5

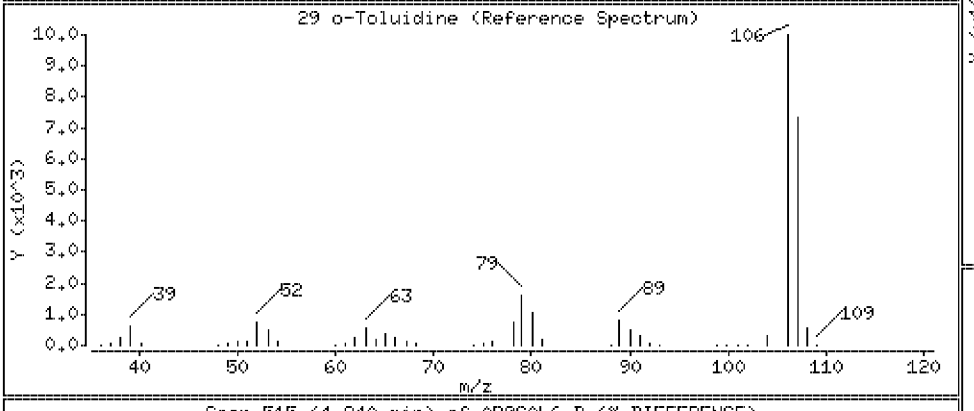
Column diameter: 0.25

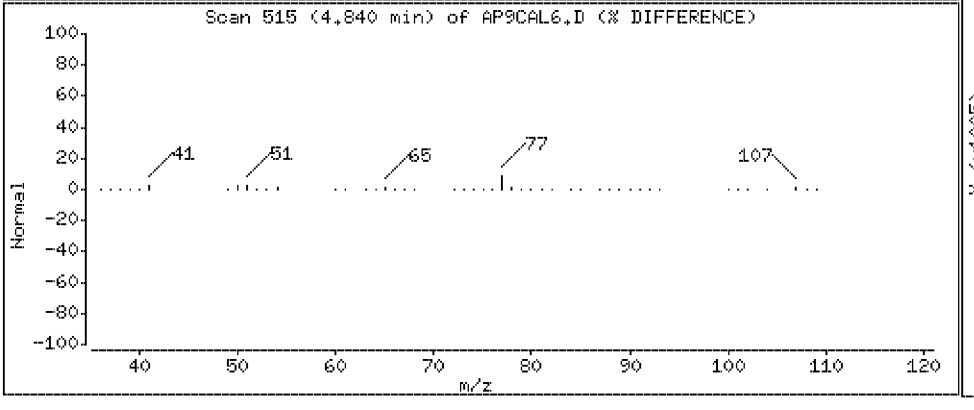
29 o-Toluidine

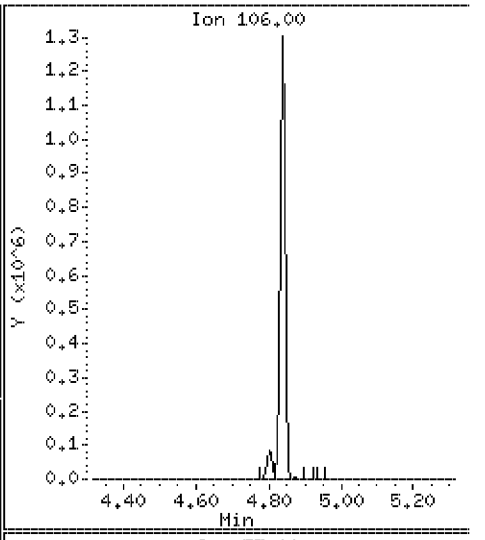
Concentration: 78.4 ug/l

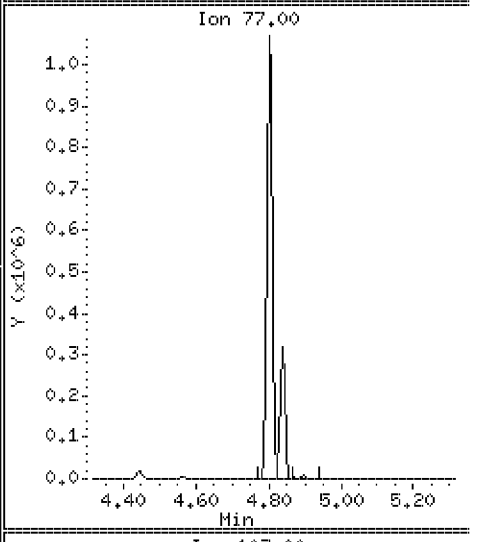


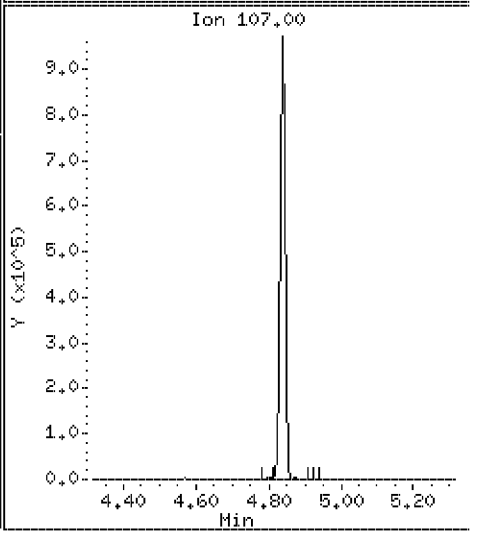












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

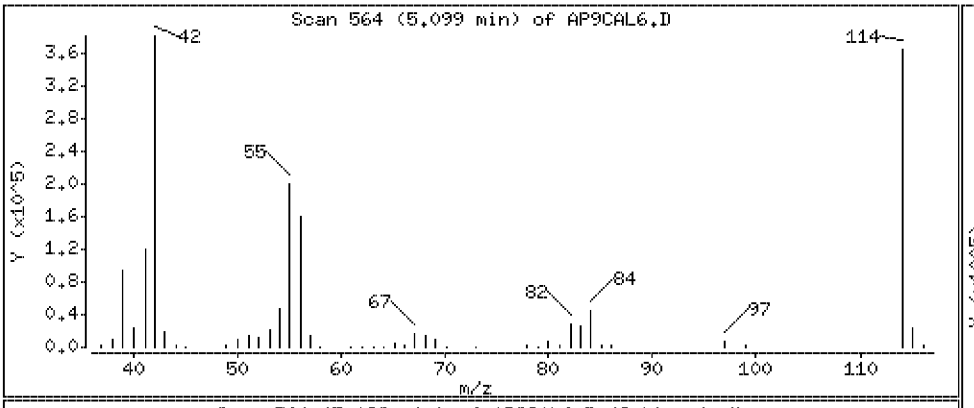
Operator: PEL

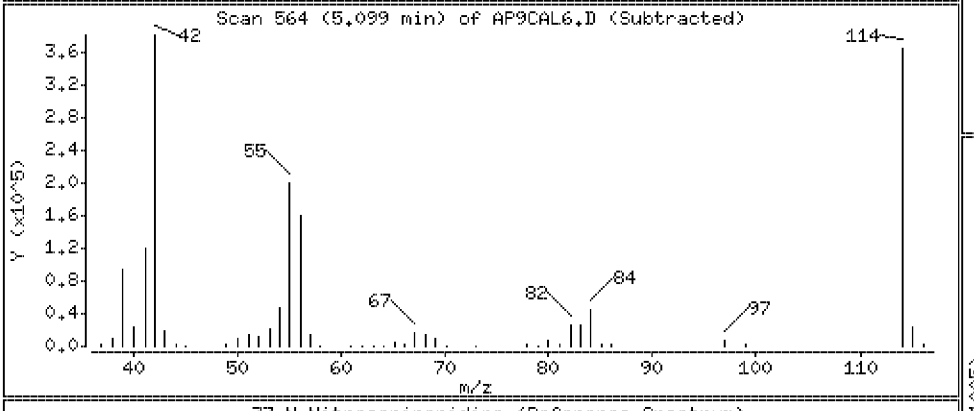
Column phase: HPMS-5

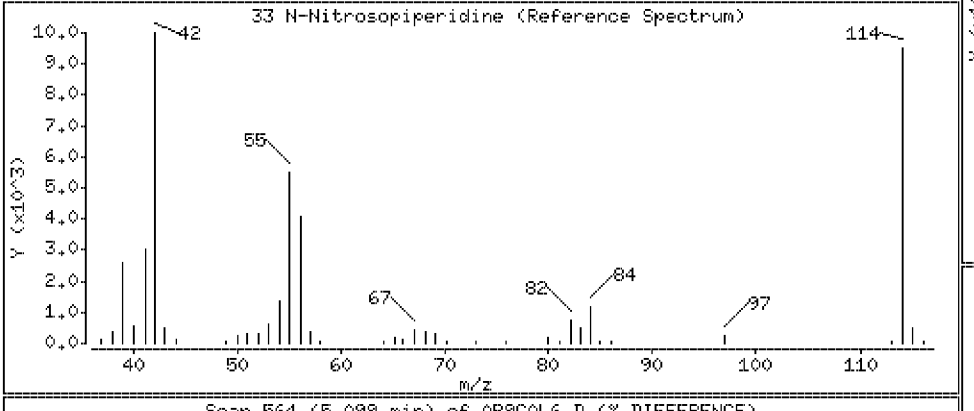
Column diameter: 0.25

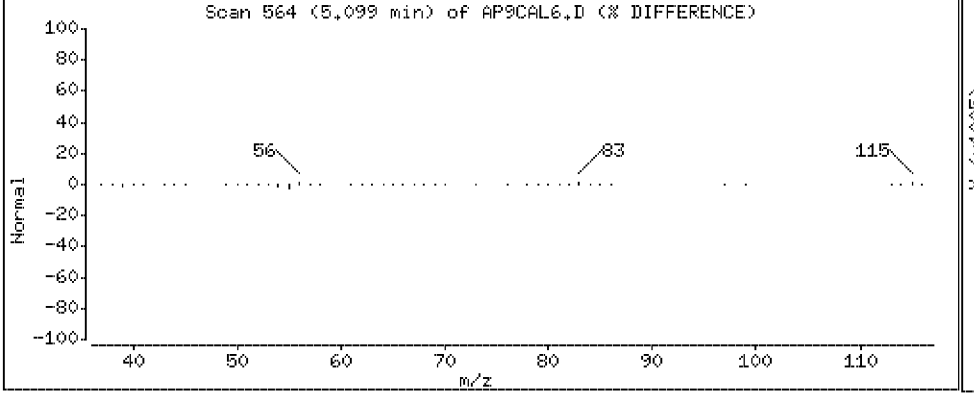
33 N-Nitrosopiperidine

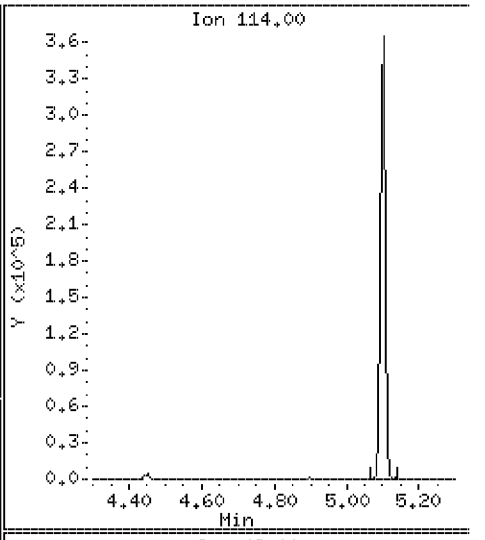
Concentration: 79.7 ug/l

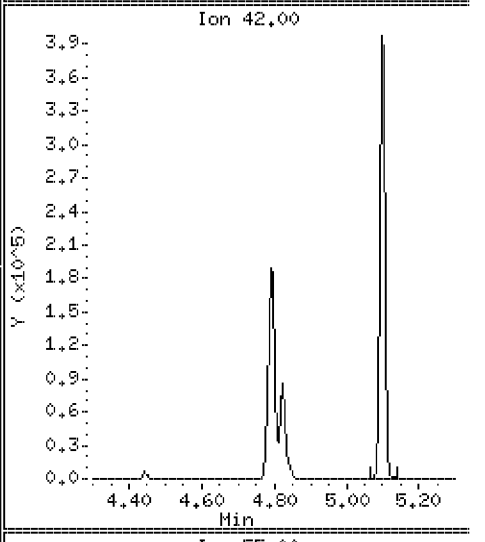


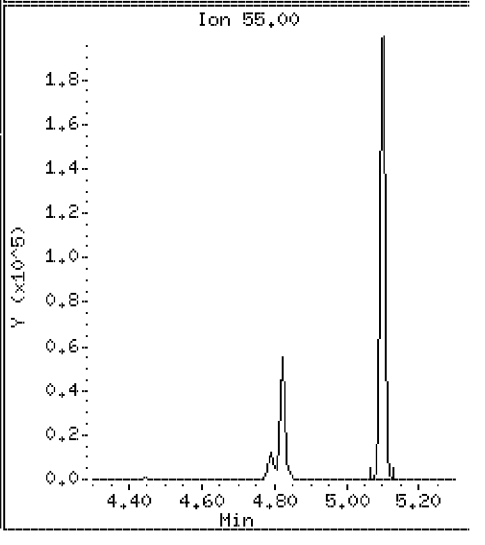












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

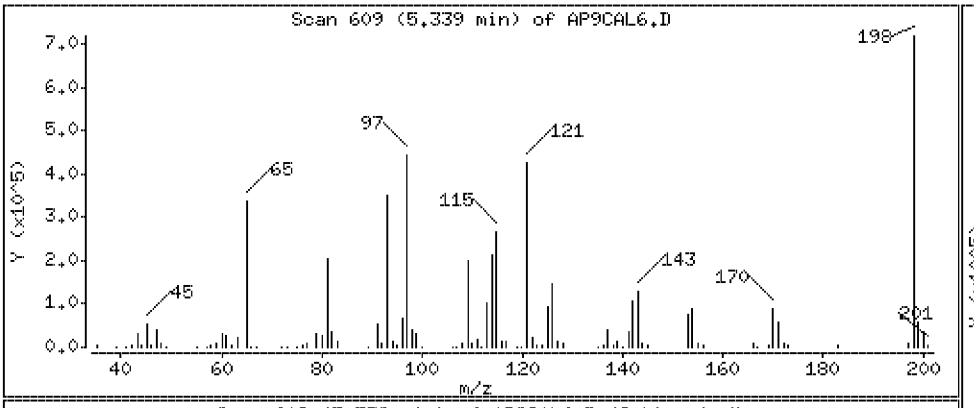
Operator: PEL

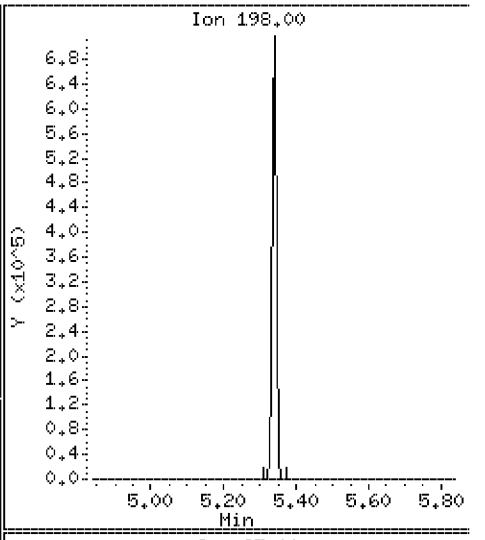
Column phase: HPMS-5

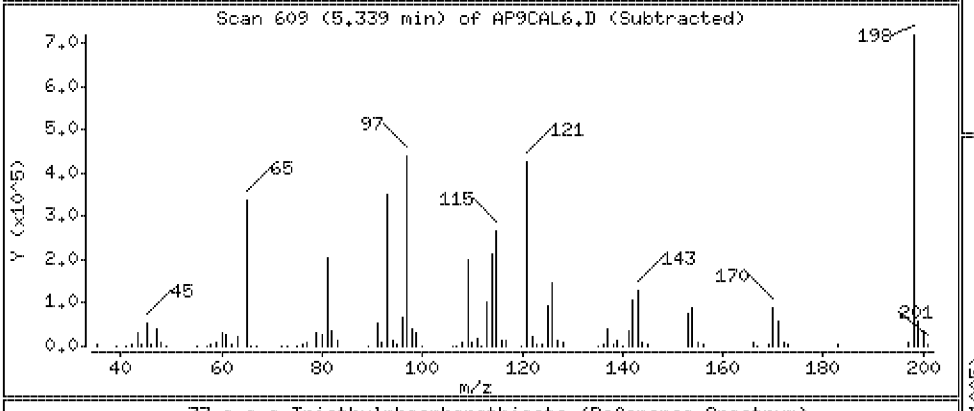
Column diameter: 0.25

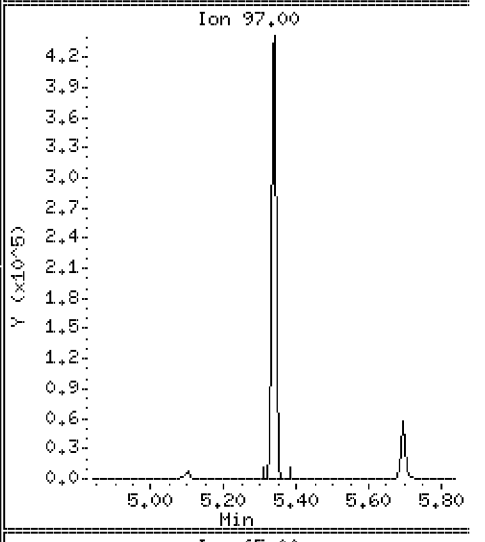
37 o,o,o-Triethylphosphorothioate

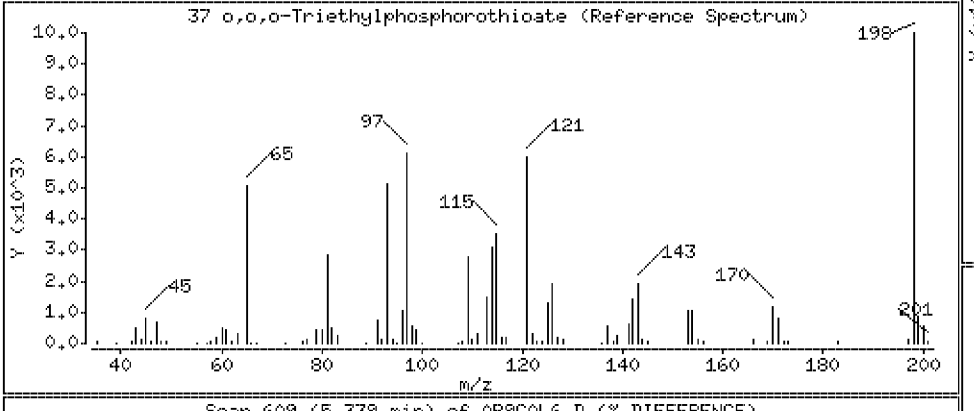
Concentration: 80.3 ug/l

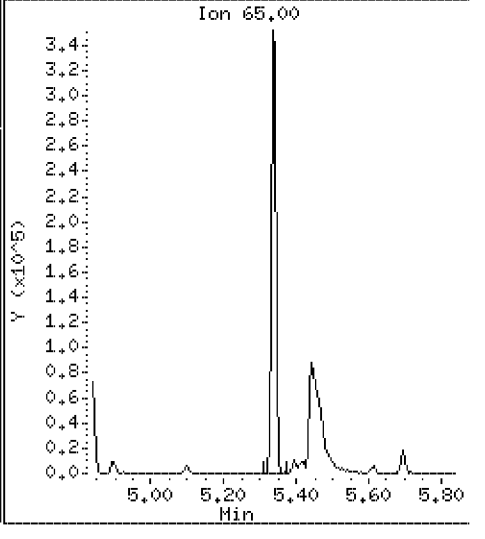


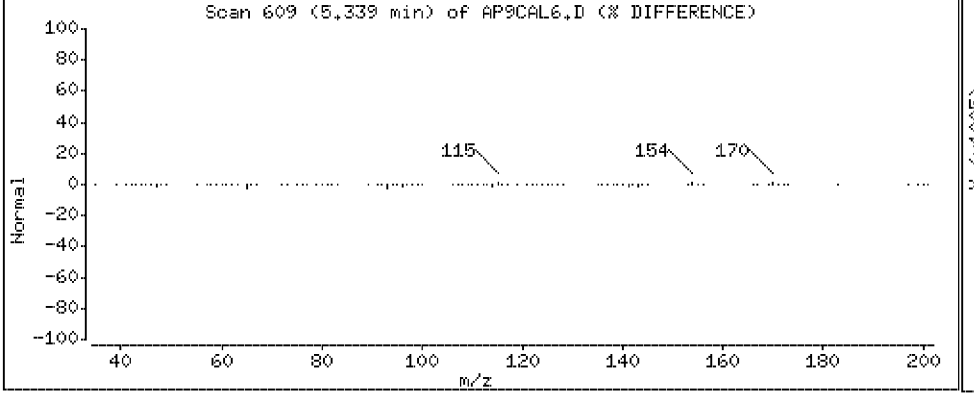












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

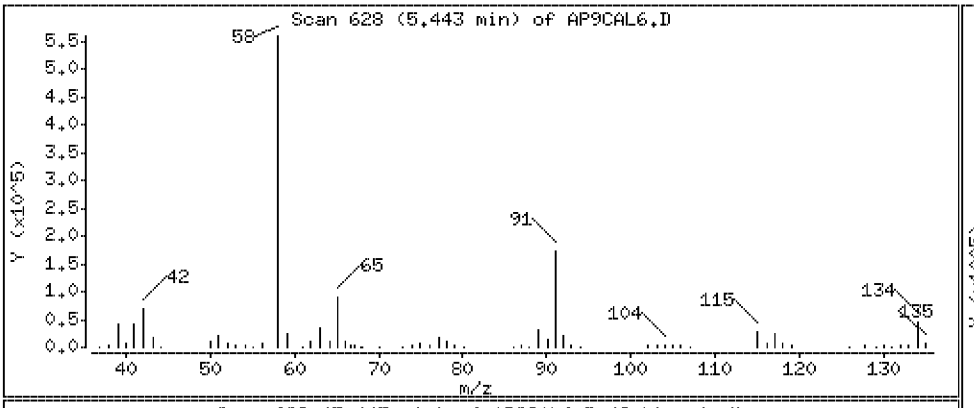
Operator: PEL

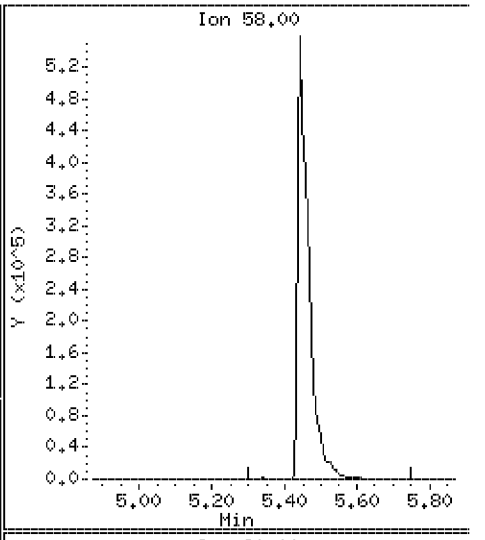
Column phase: HPMS-5

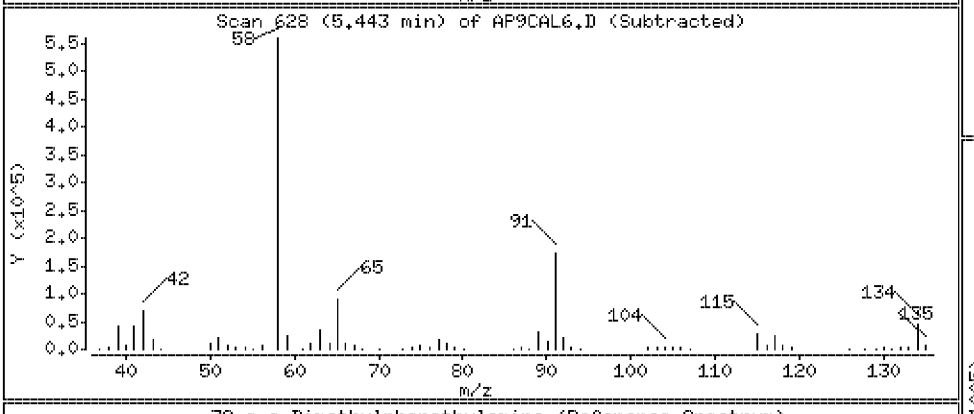
Column diameter: 0.25

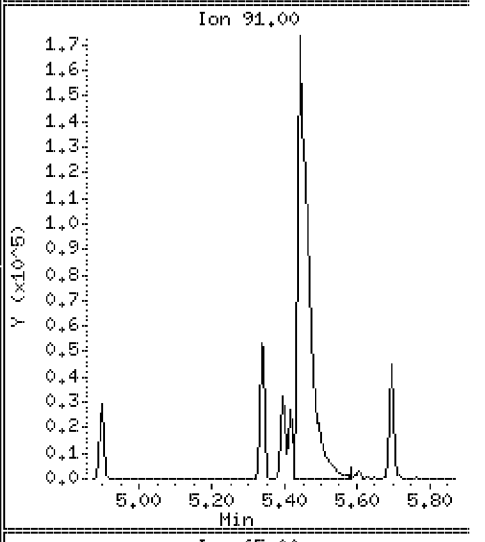
39 a,a-Dimethylphenethylamine

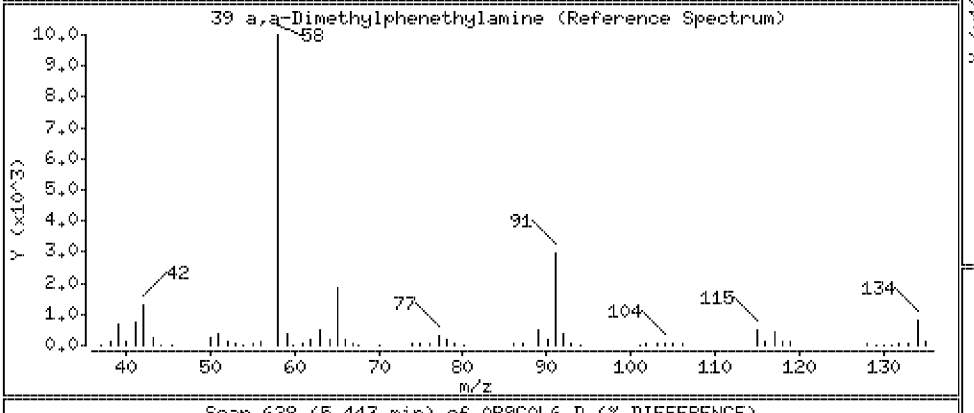
Concentration: 79.9 ug/l

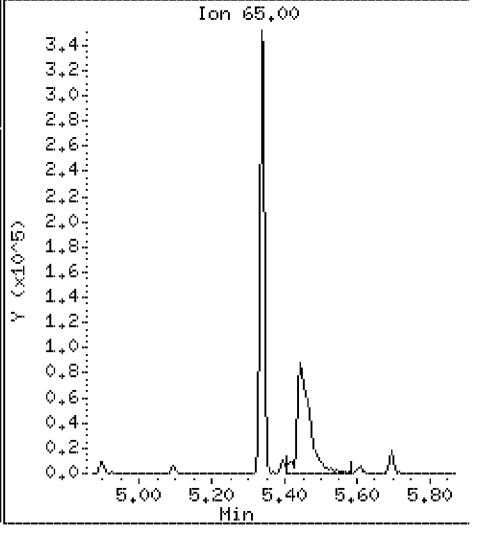


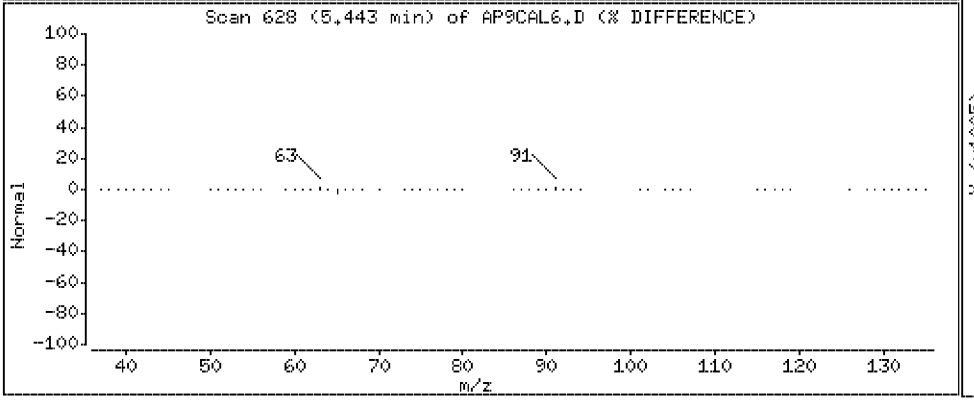












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

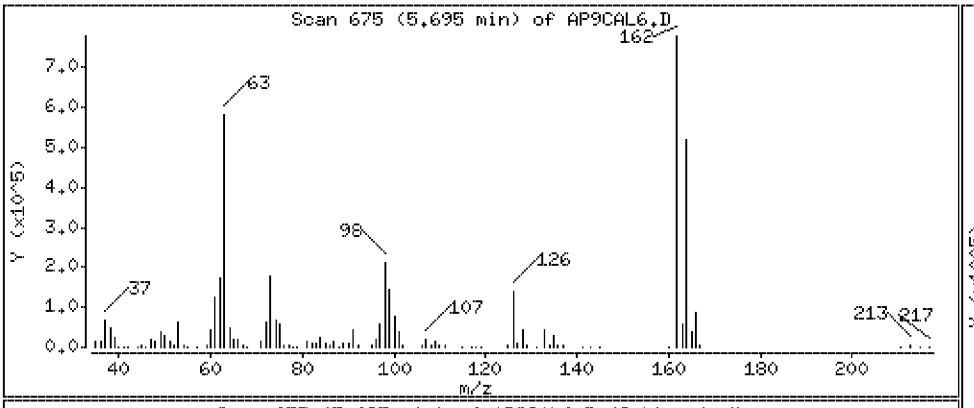
Operator: PEL

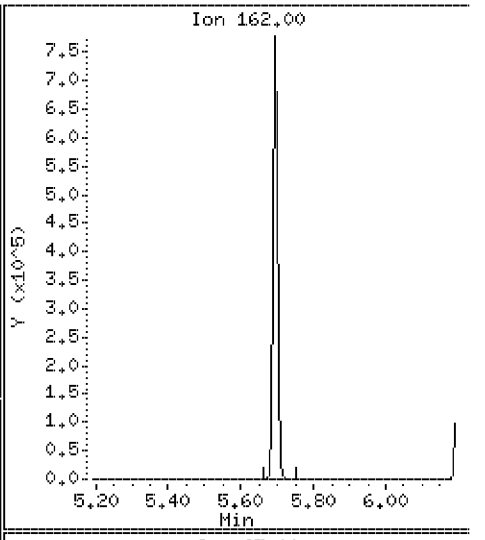
Column phase: HPMS-5

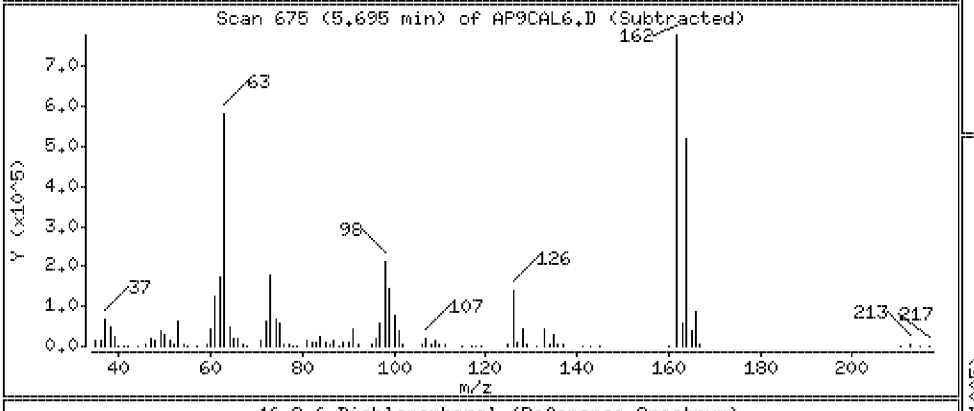
Column diameter: 0.25

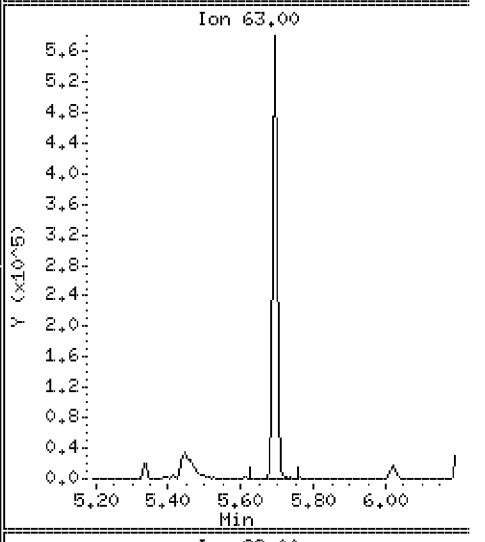
46 2,6-Dichlorophenol

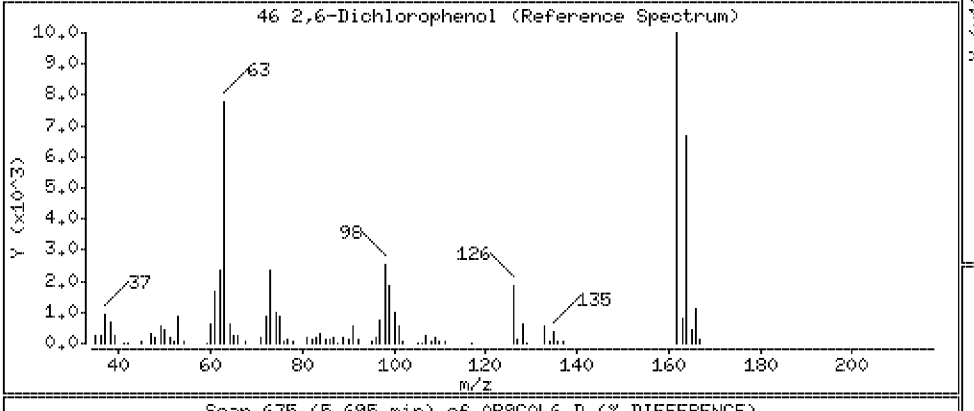
Concentration: 81.0 ug/l

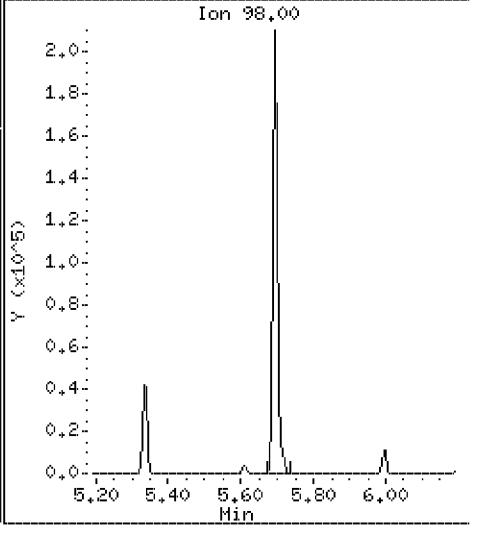


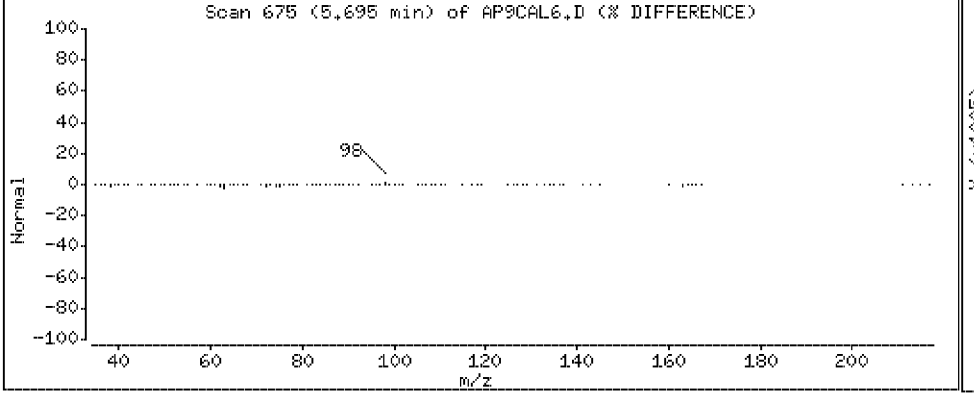












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

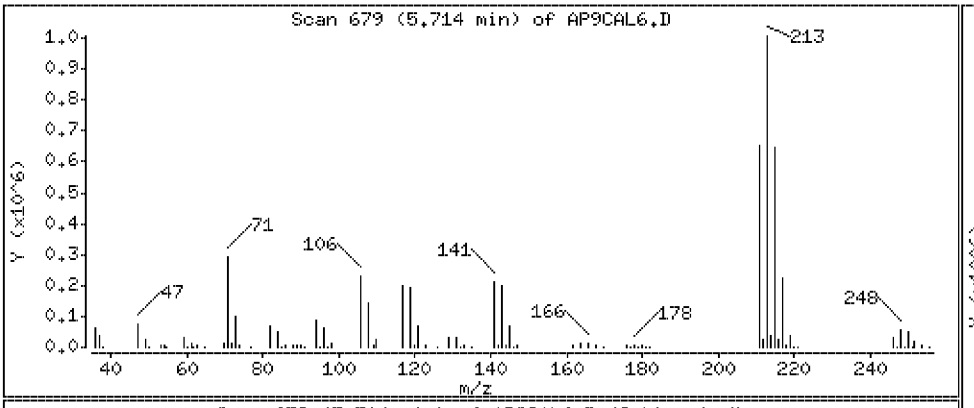
Operator: PEL

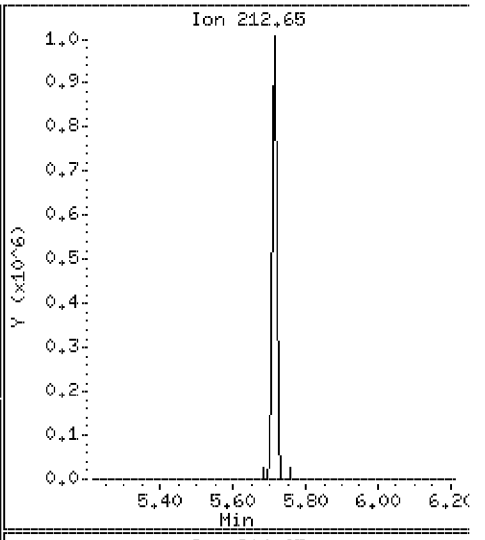
Column phase: HPMS-5

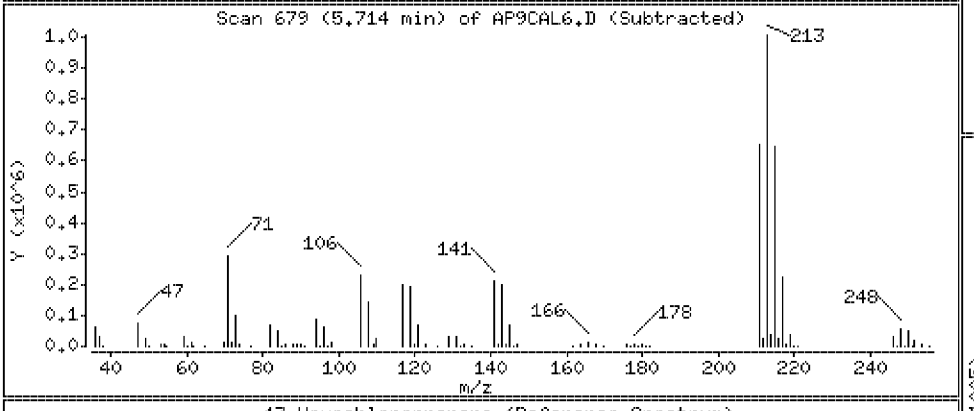
Column diameter: 0.25

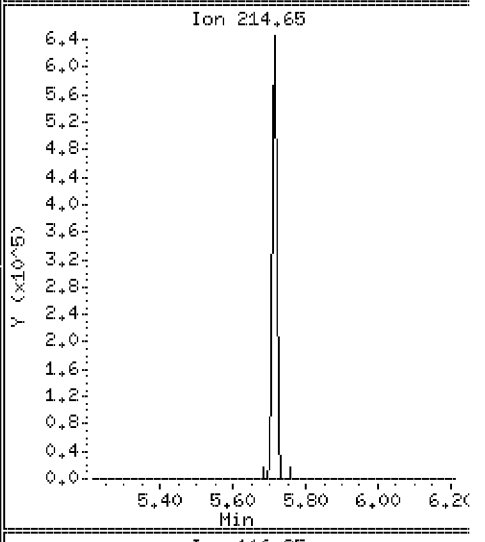
47 Hexachloropropene

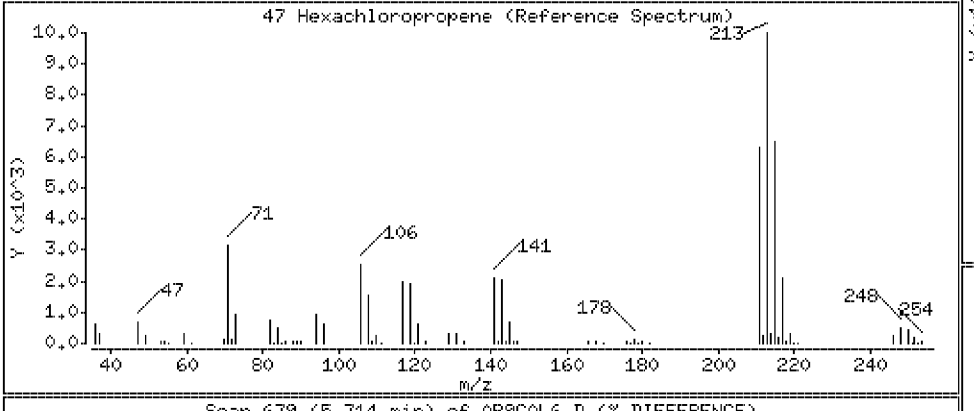
Concentration: 80.2 ug/l

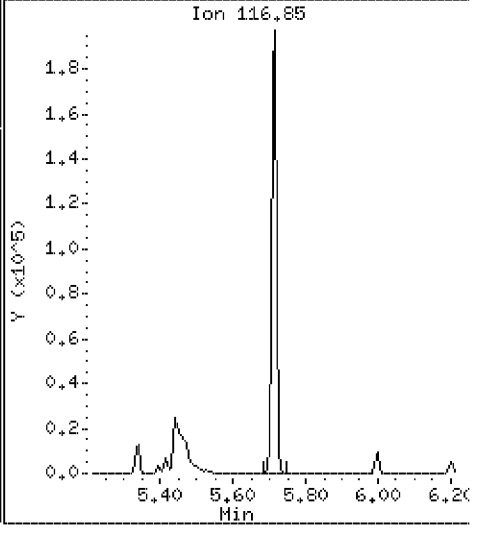


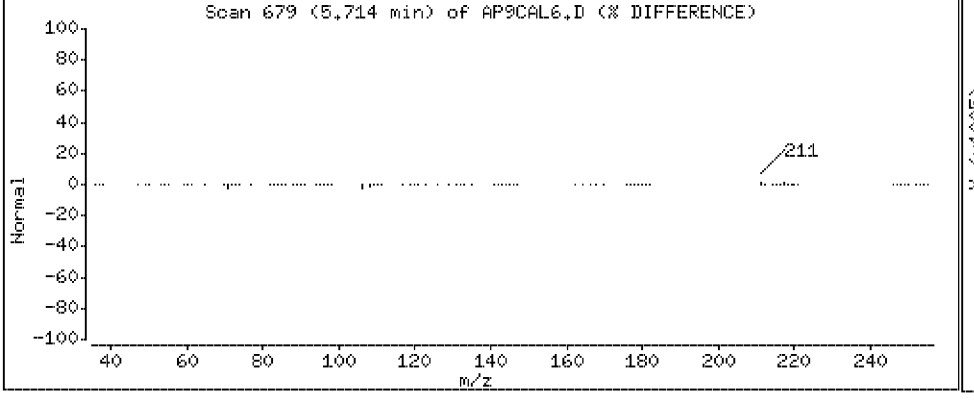












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

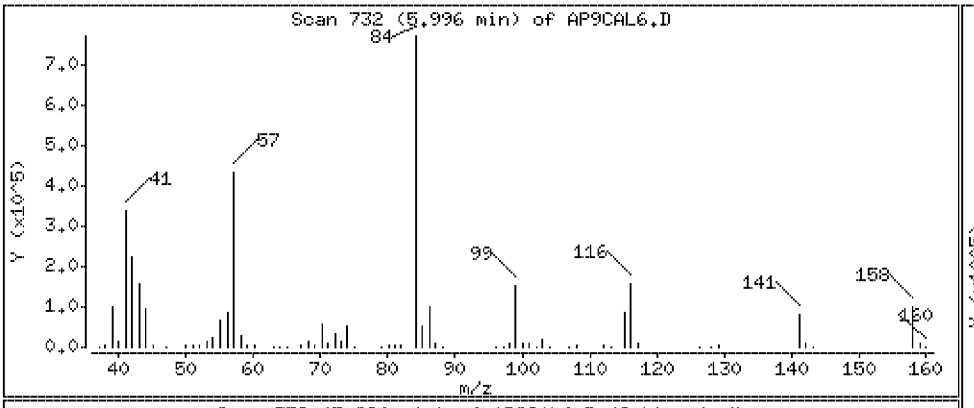
Operator: PEL

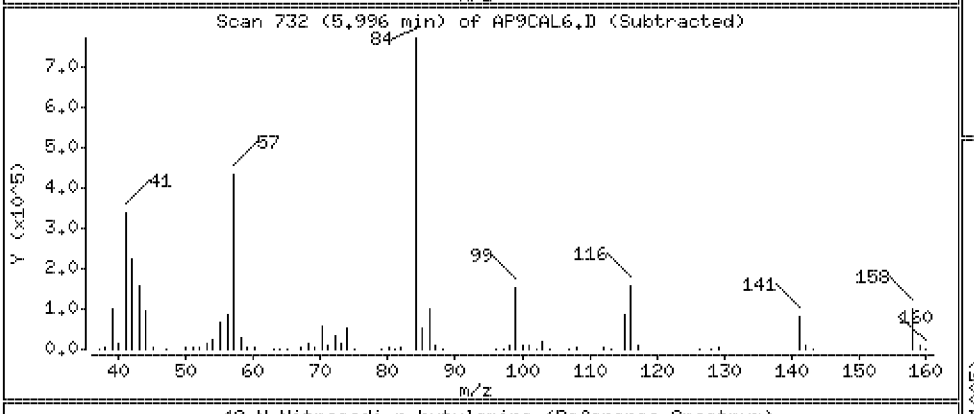
Column phase: HPMS-5

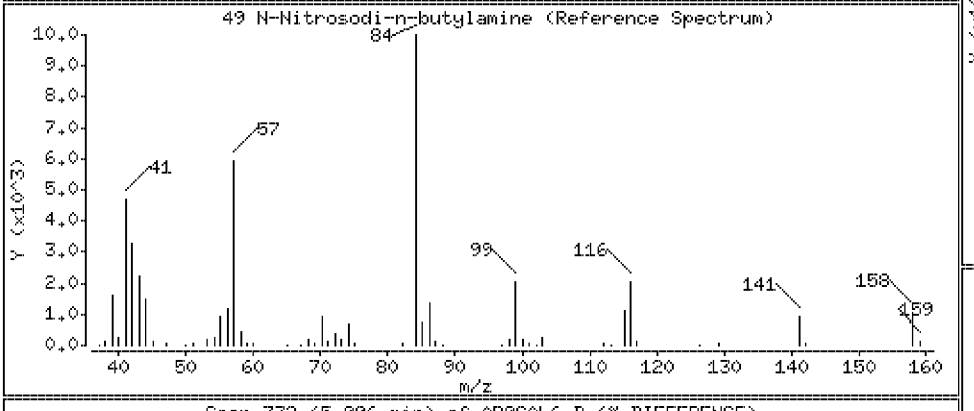
Column diameter: 0.25

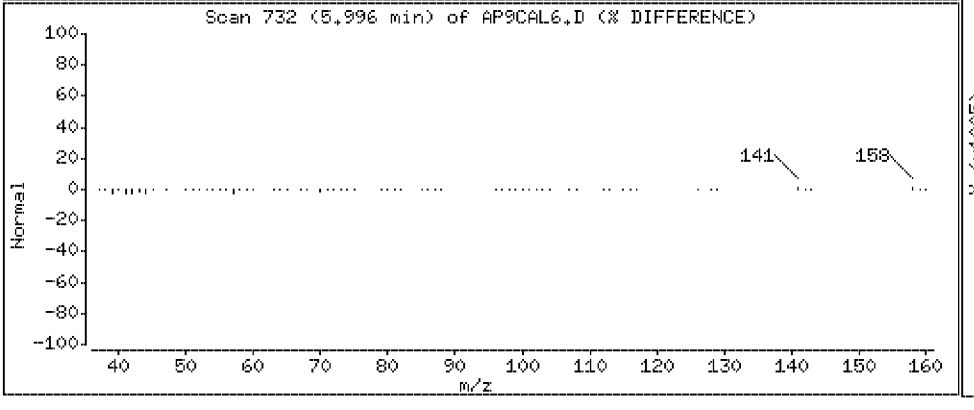
49 N-Nitrosodi-n-butylamine

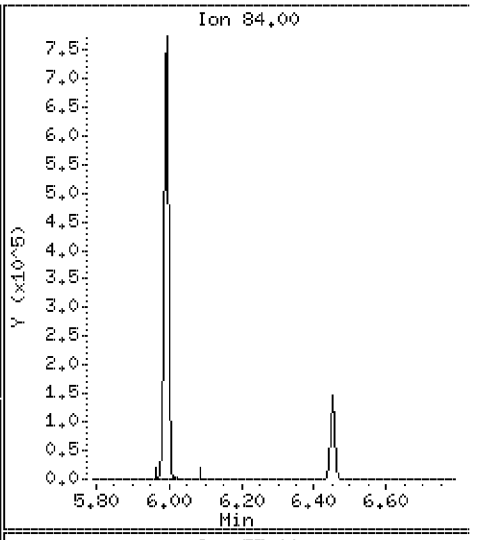
Concentration: 83.5 ug/l

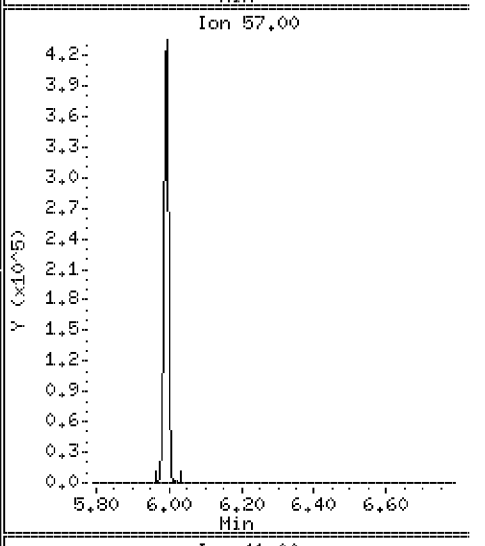


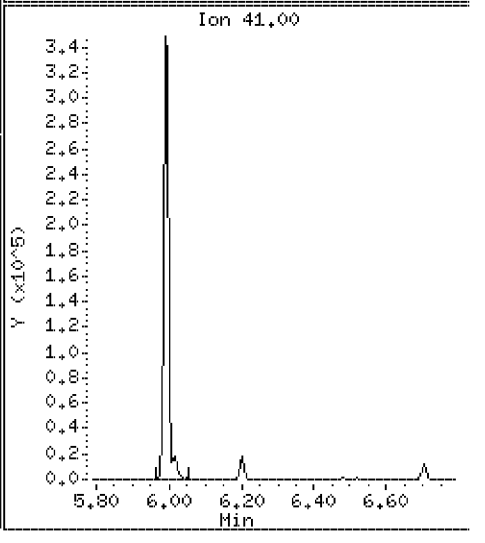












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

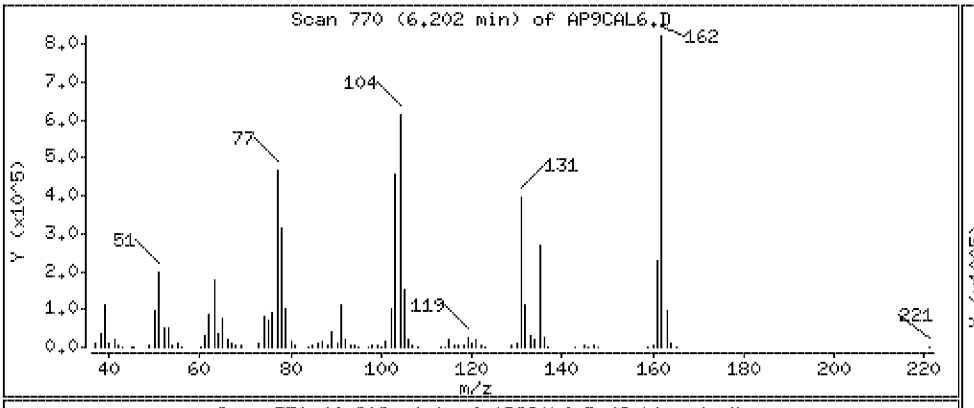
Operator: PEL

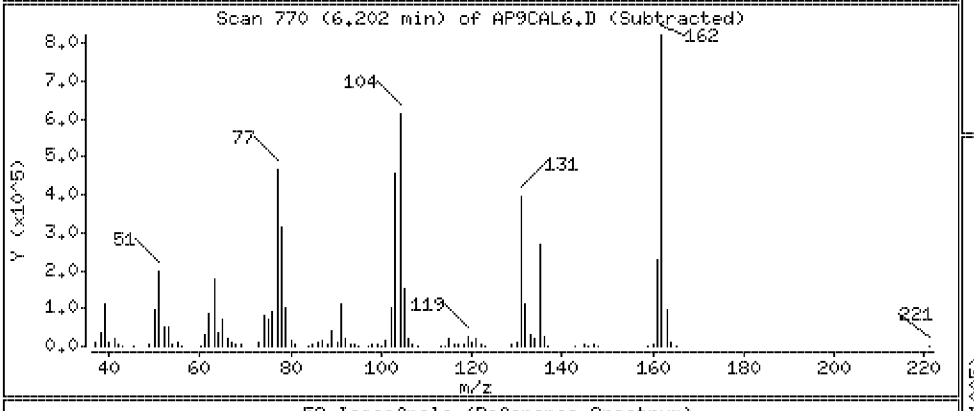
Column phase: HPMS-5

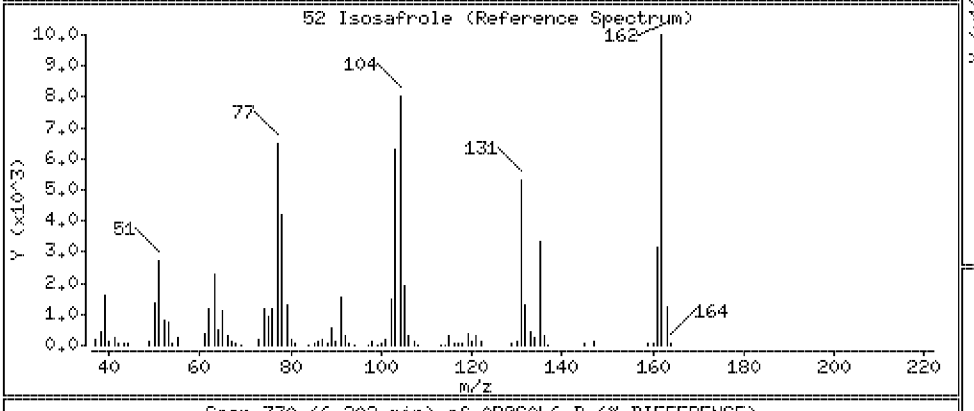
Column diameter: 0.25

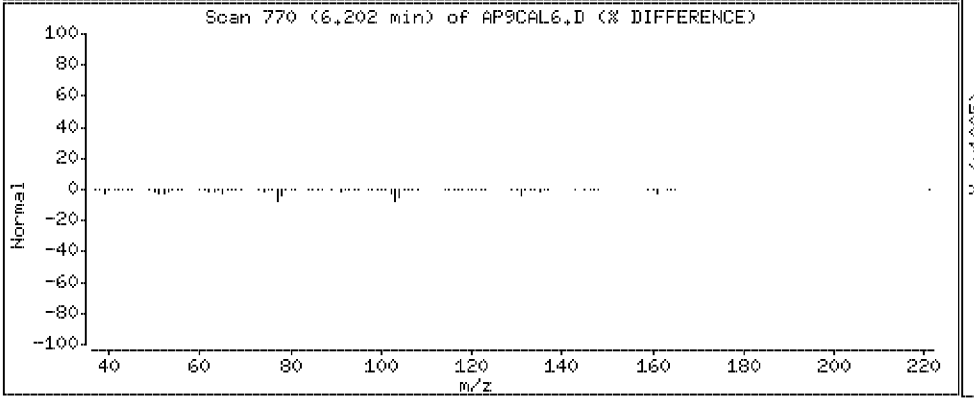
52 Isosafrole

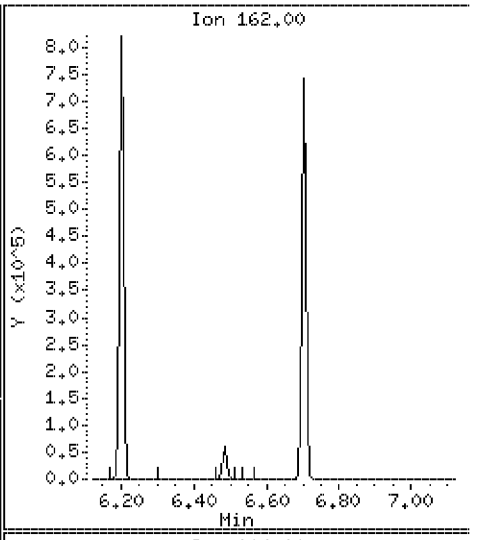
Concentration: 83.2 ug/l

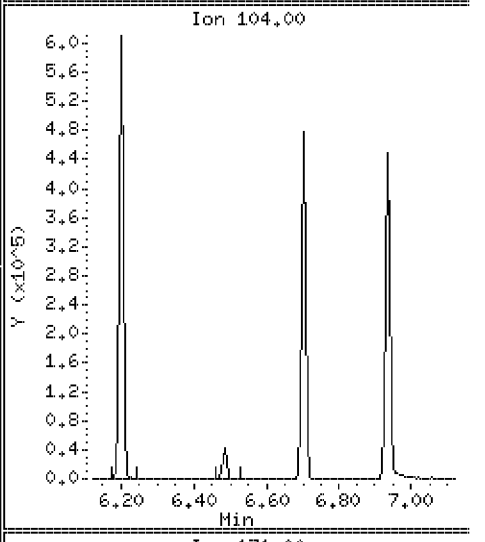


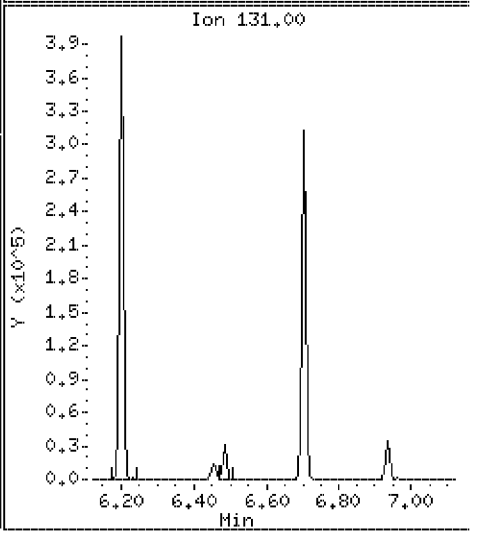












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

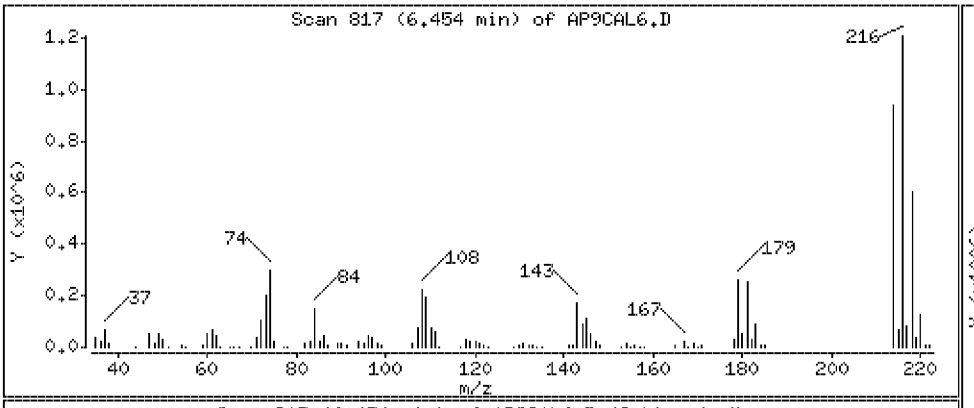
Operator: PEL

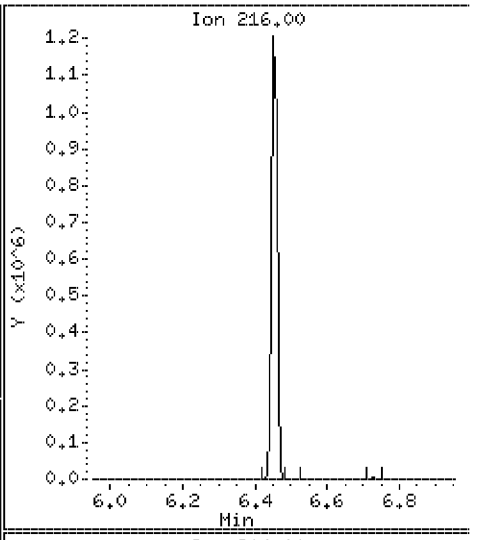
Column phase: HPMS-5

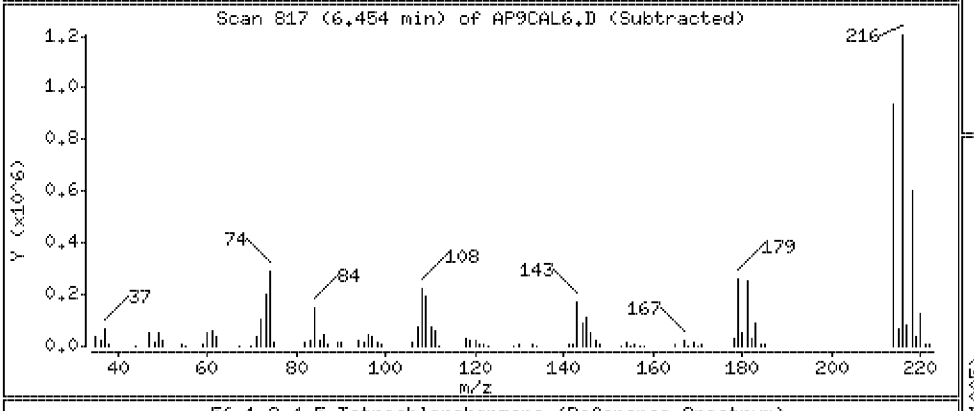
Column diameter: 0.25

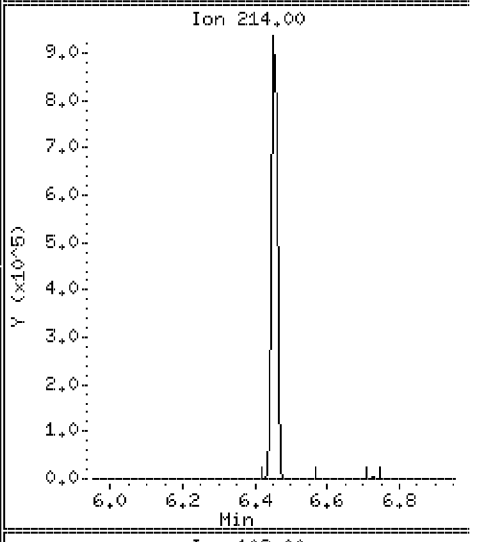
56 1,2,4,5-Tetrachlorobenzene

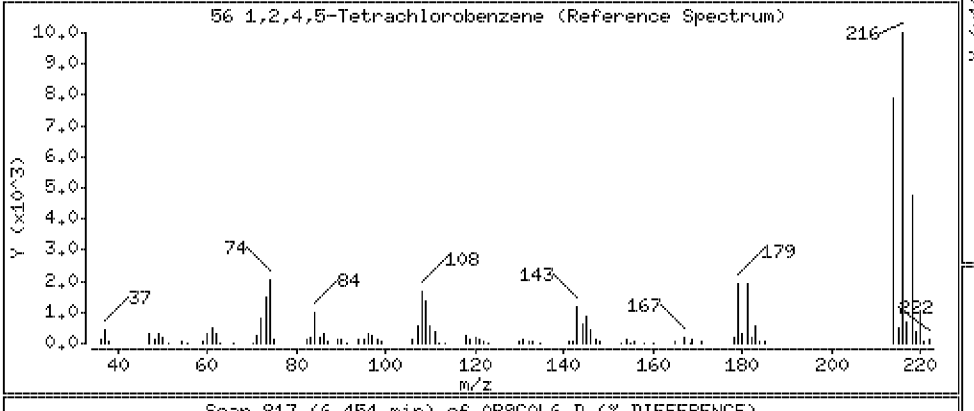
Concentration: 80.7 ug/l

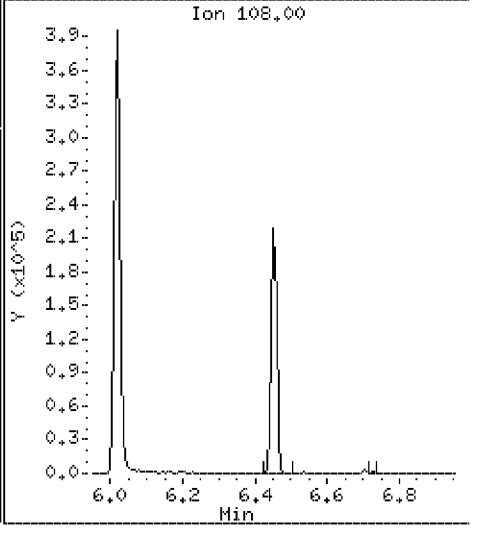


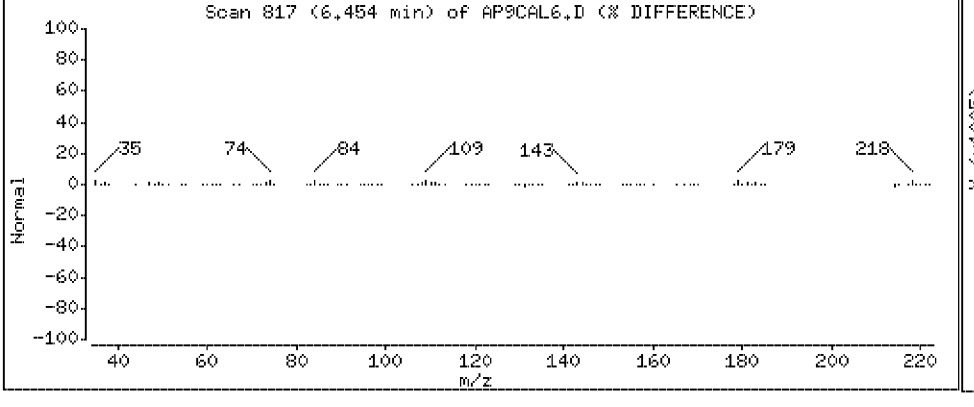












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

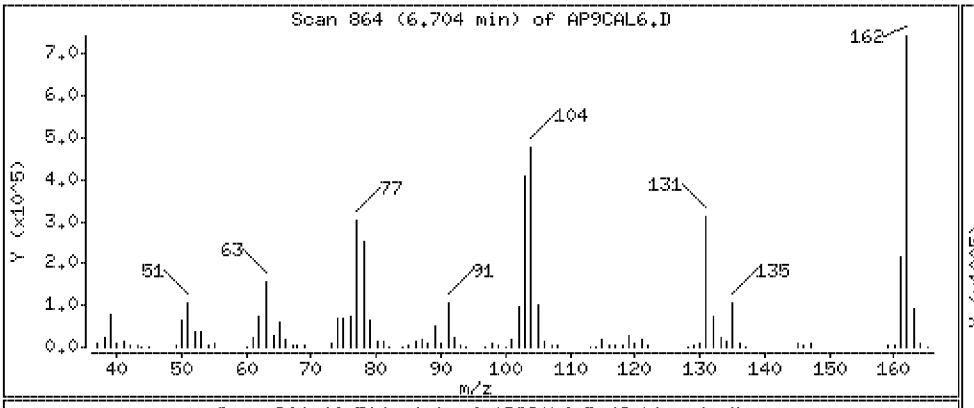
Operator: PEL

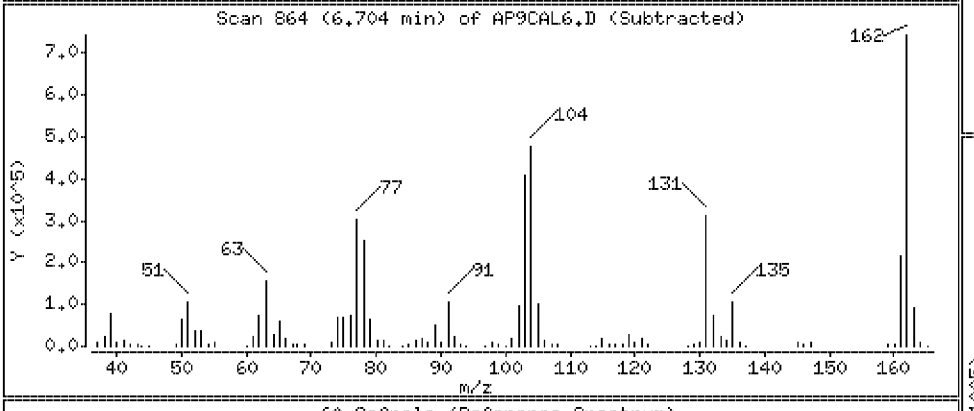
Column phase: HPMS-5

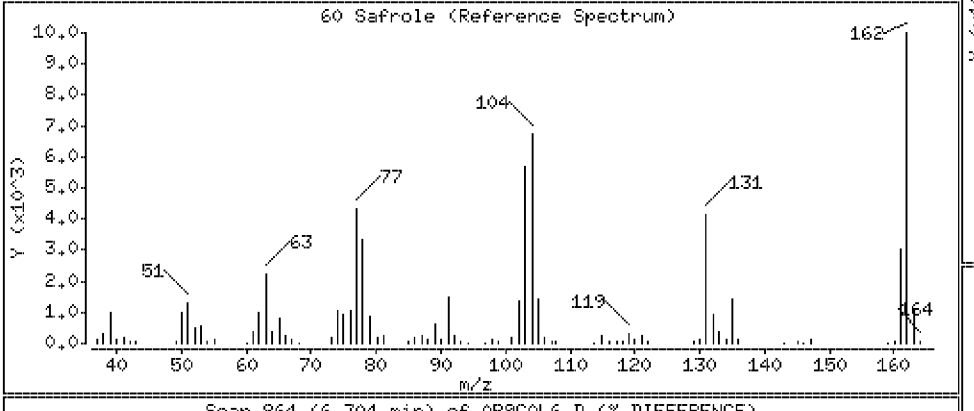
Column diameter: 0.25

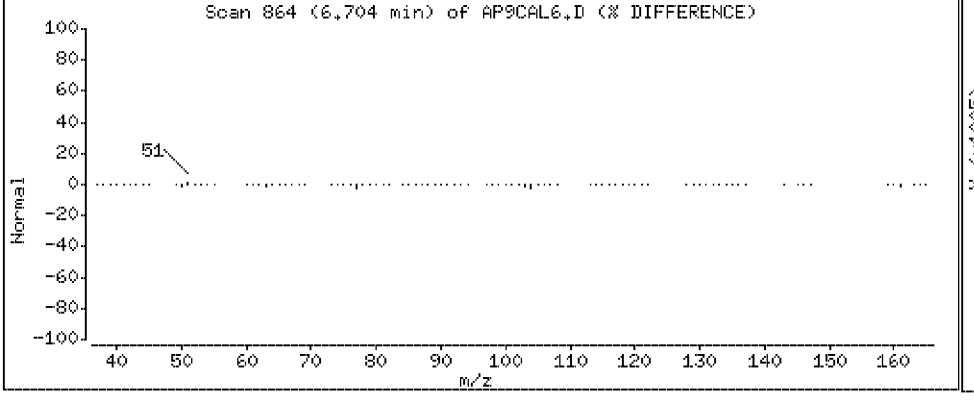
60 Safrole

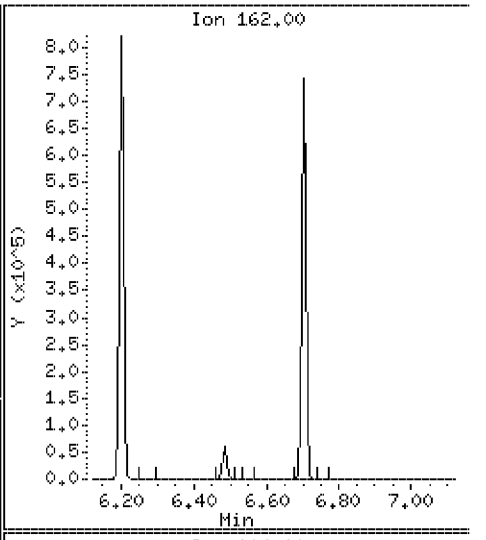
Concentration: 81.0 ug/l

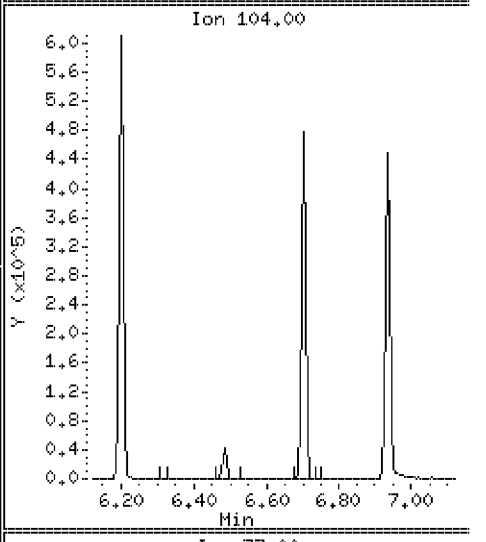


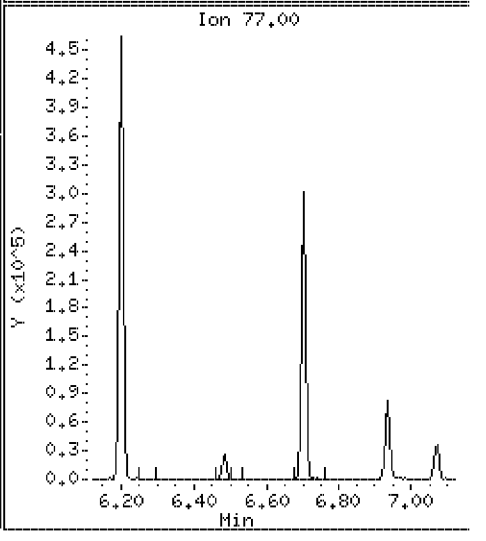












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

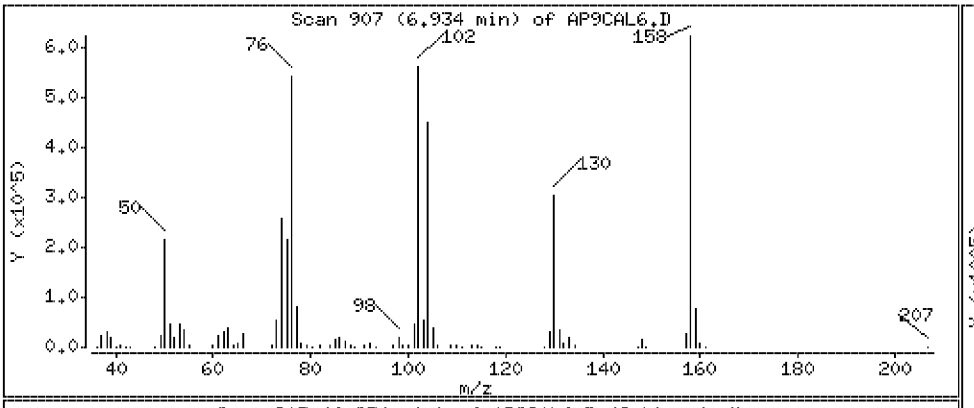
Operator: PEL

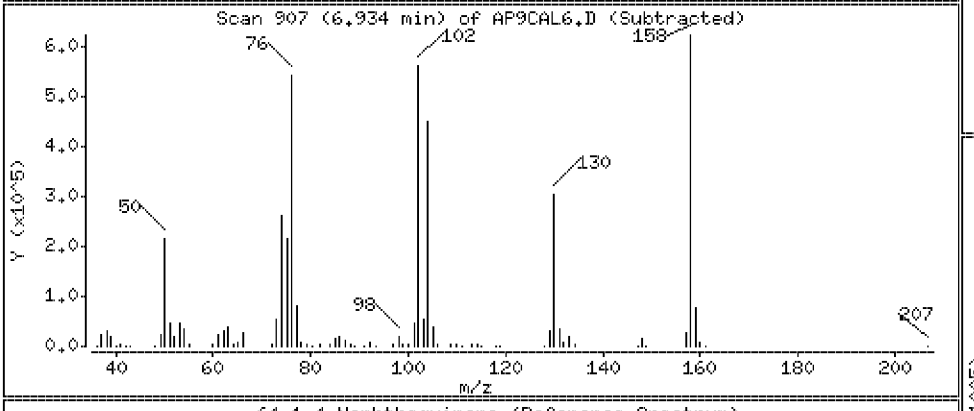
Column phase: HPMS-5

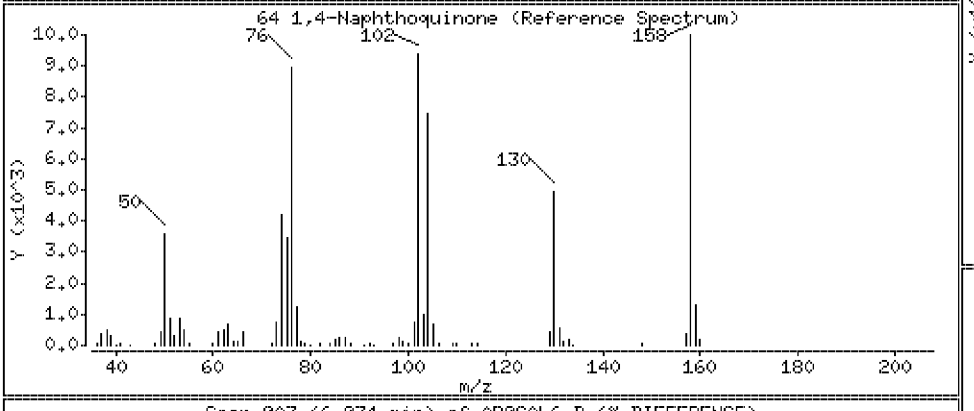
Column diameter: 0.25

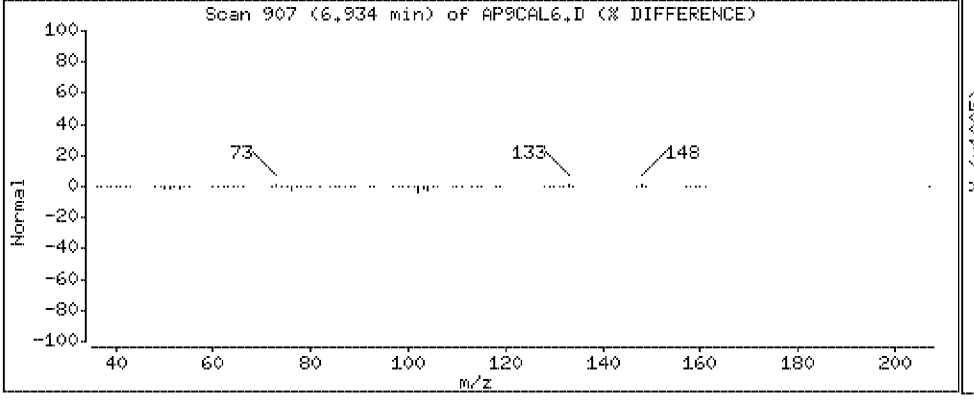
64 1,4-Naphthoquinone

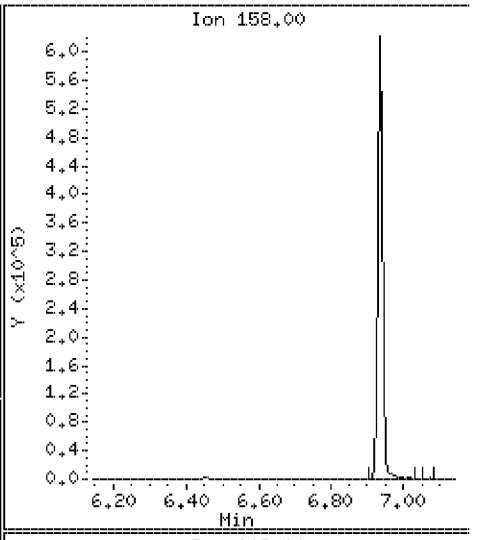
Concentration: 80.7 ug/l

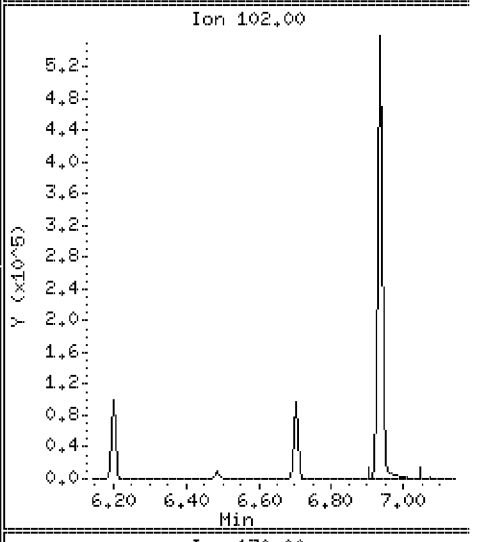


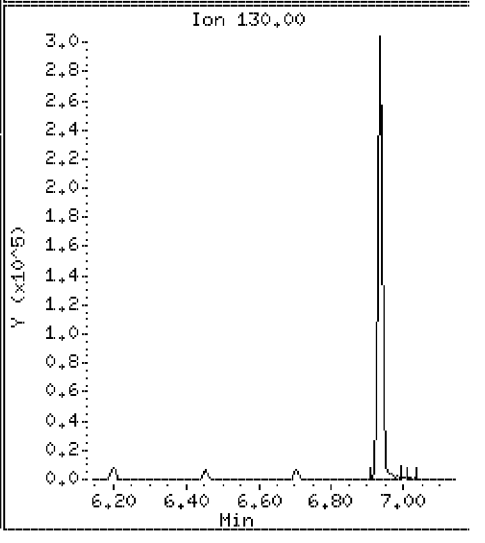












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

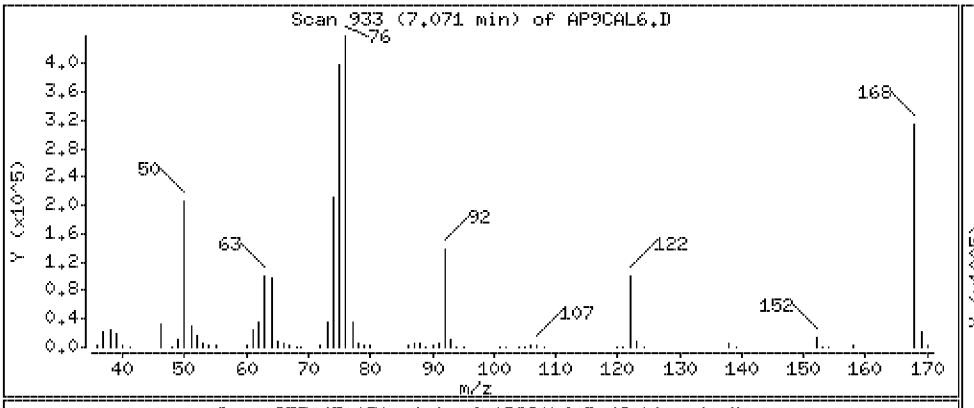
Operator: PEL

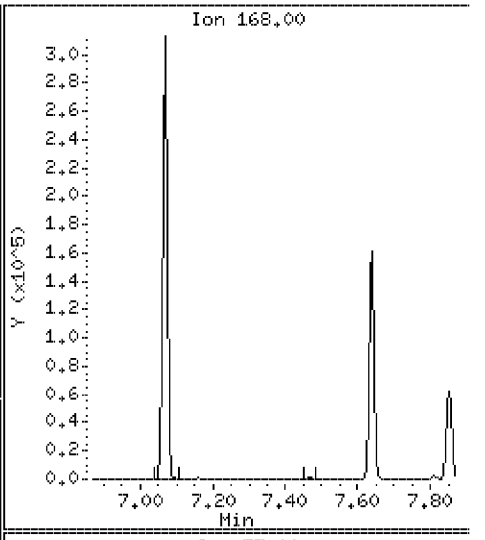
Column phase: HPMS-5

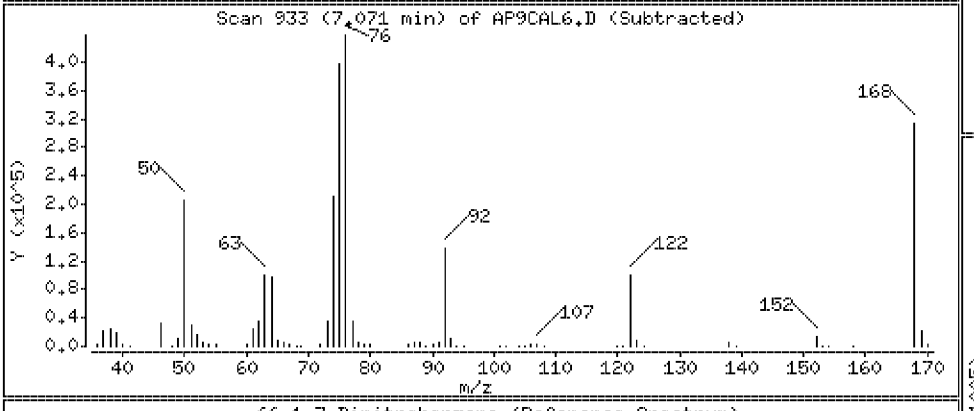
Column diameter: 0.25

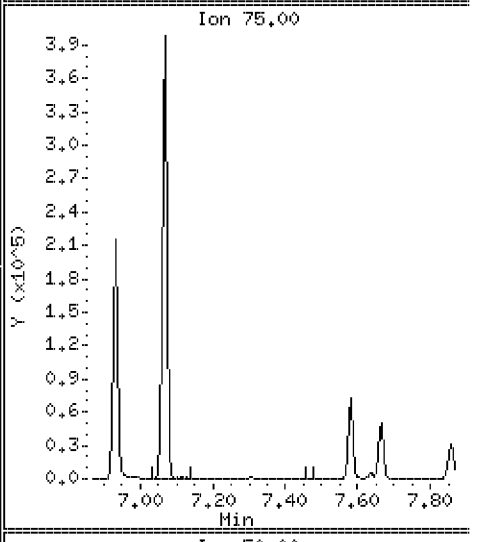
66 1,3-Dinitrobenzene

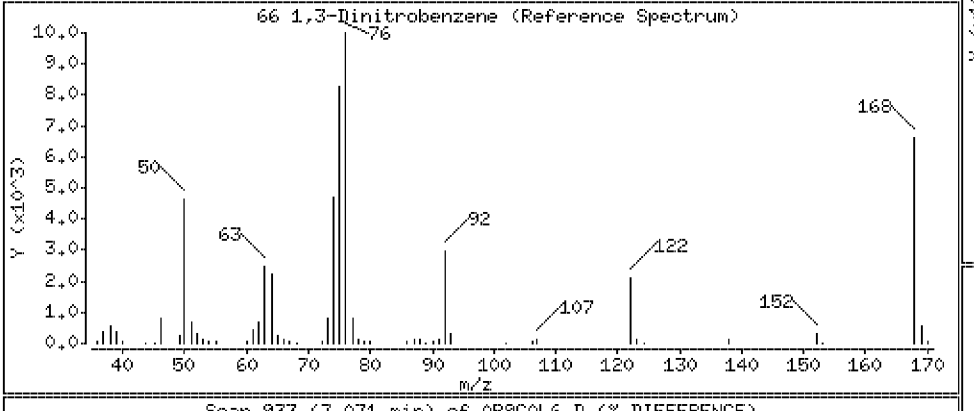
Concentration: 81.1 ug/l

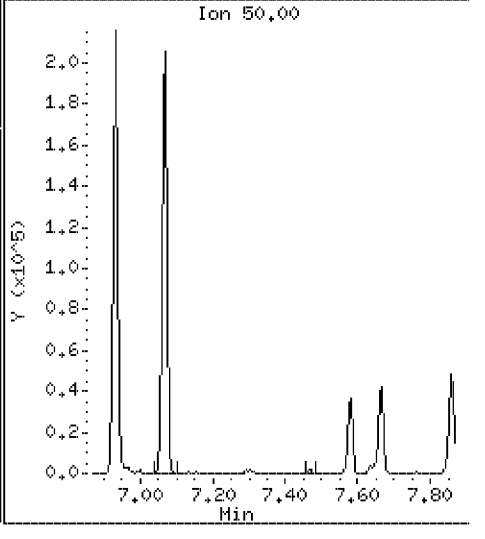


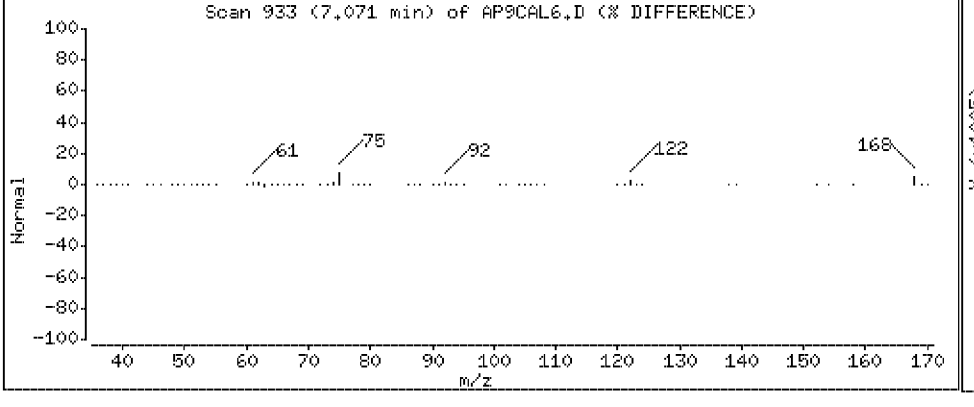












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

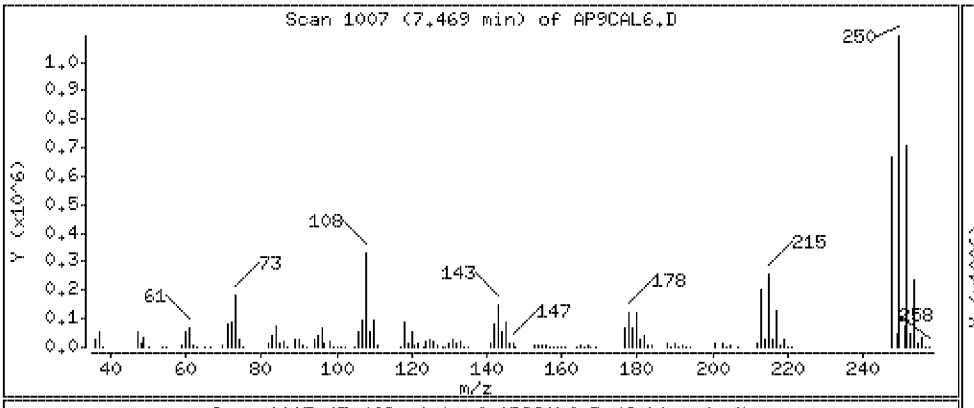
Operator: PEL

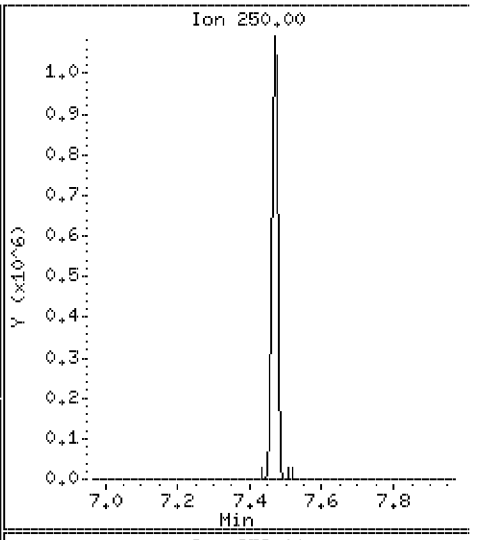
Column phase: HPMS-5

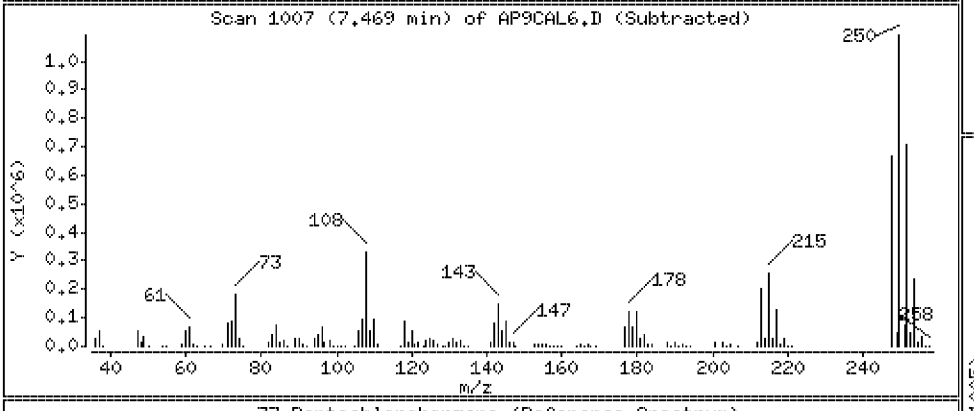
Column diameter: 0.25

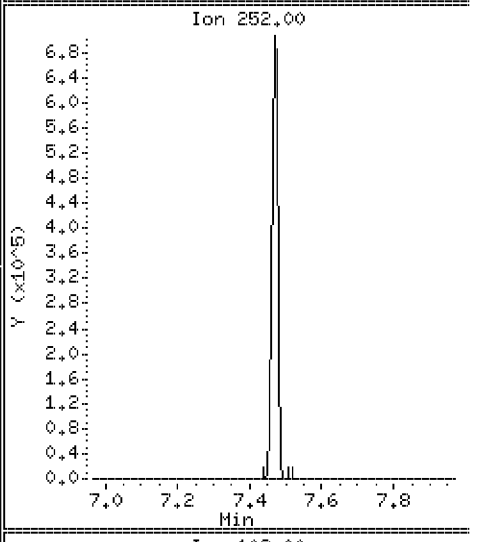
73 Pentachlorobenzene

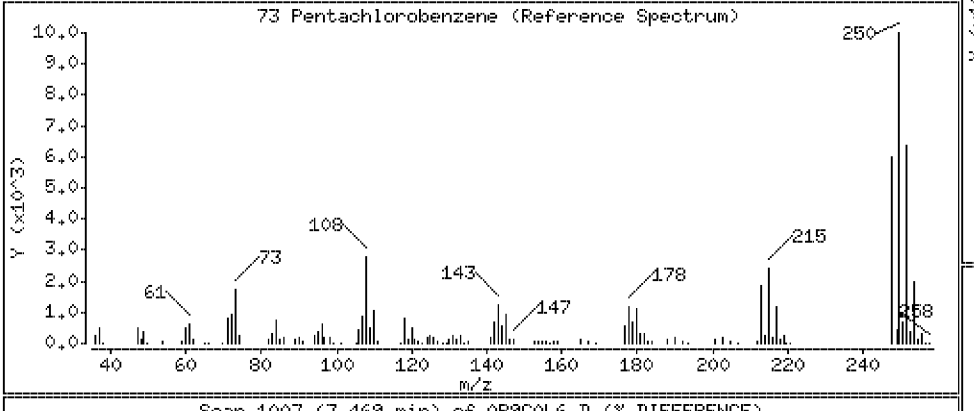
Concentration: 80.1 ug/l

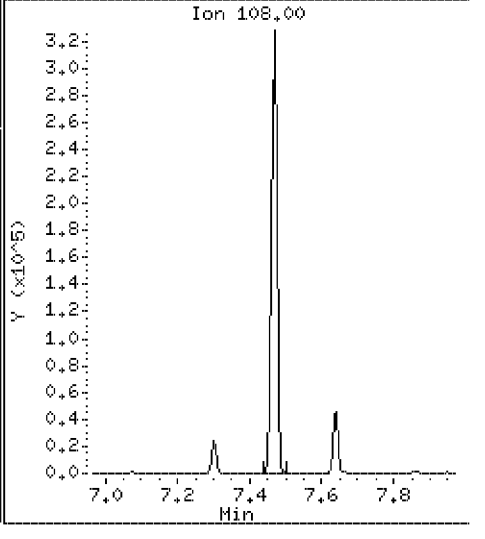


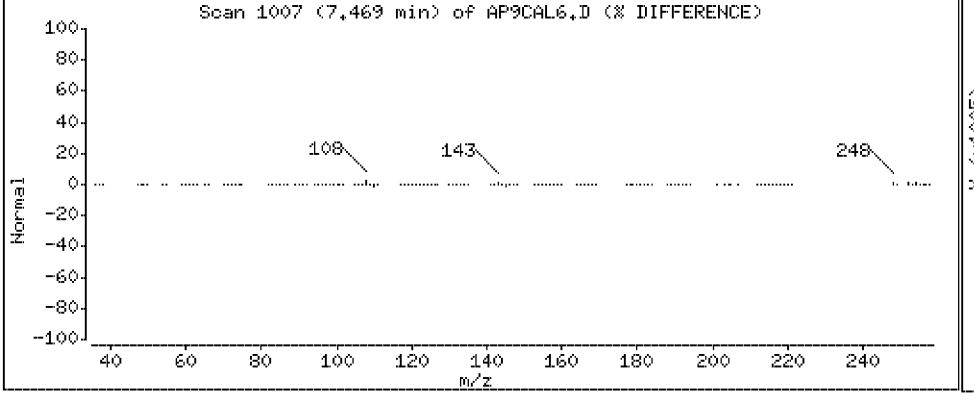












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

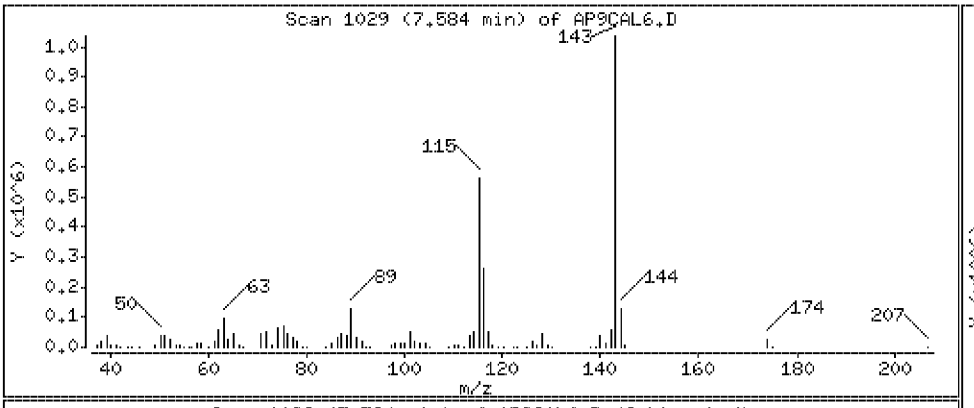
Operator: PEL

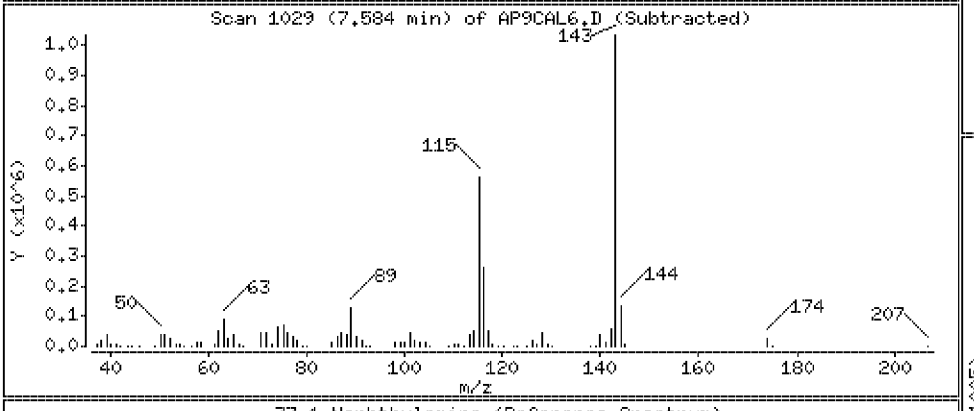
Column phase: HPMS-5

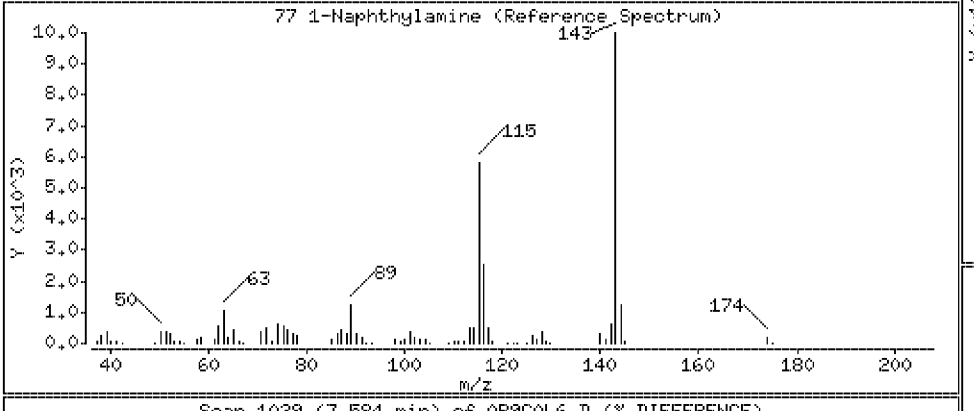
Column diameter: 0.25

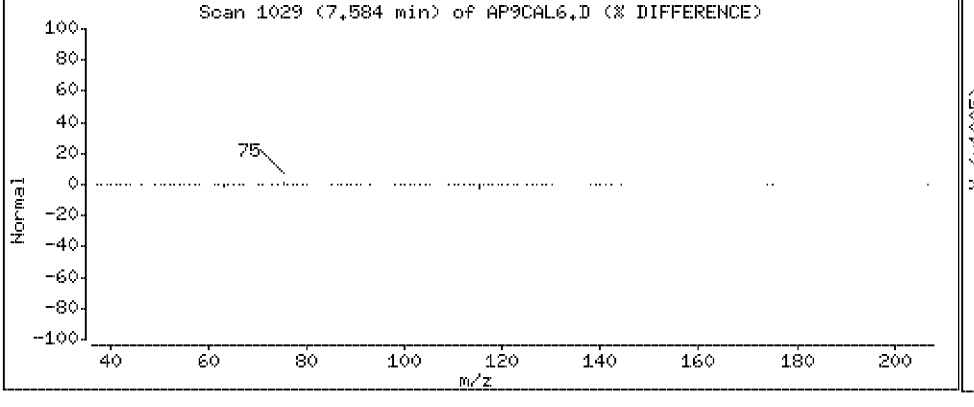
77 1-Naphthylamine

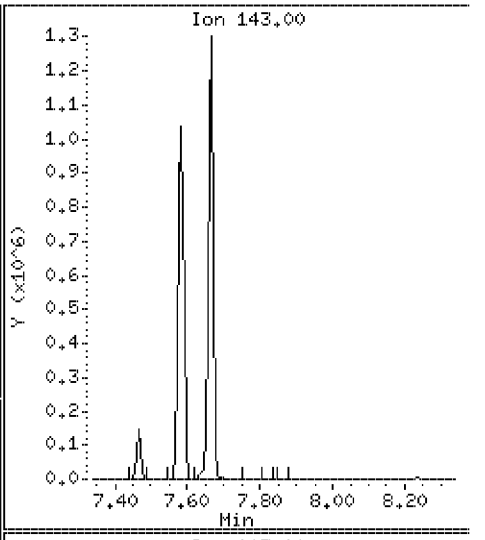
Concentration: 79.3 ug/l

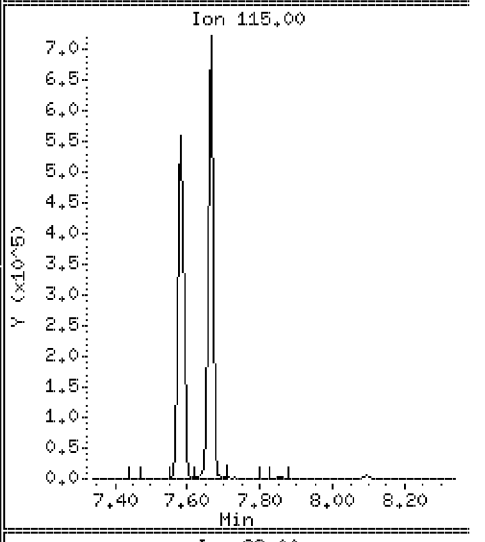


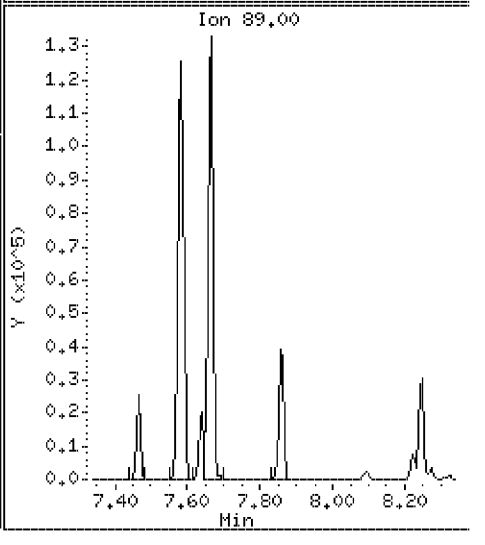












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

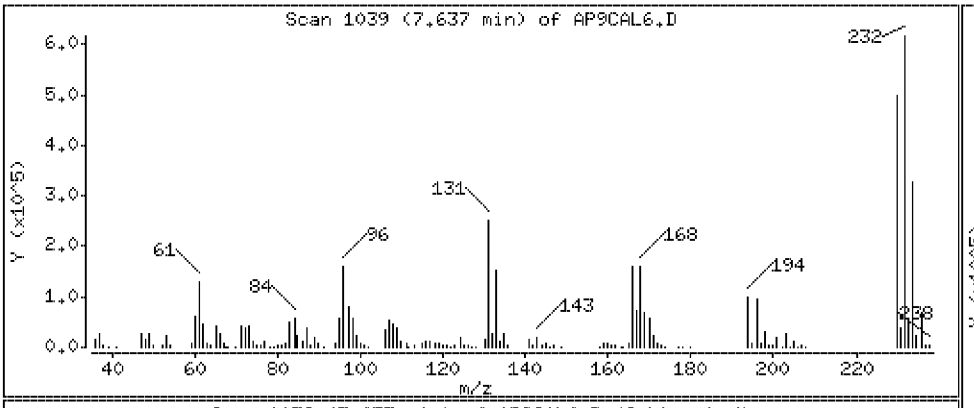
Operator: PEL

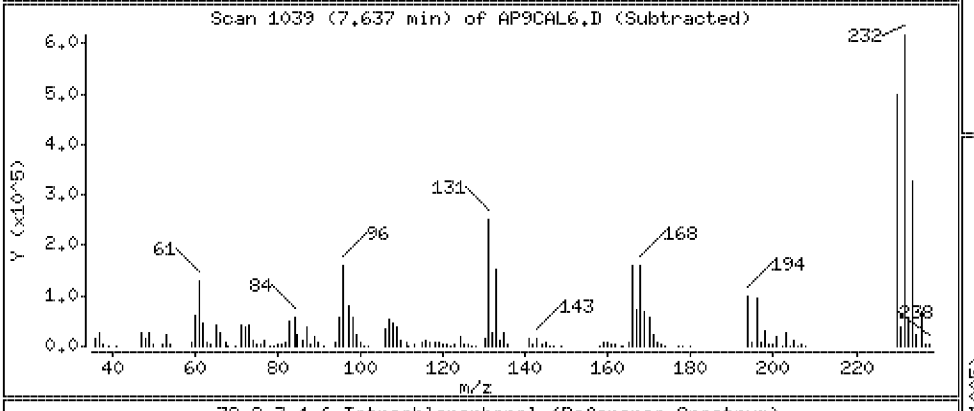
Column phase: HPMS-5

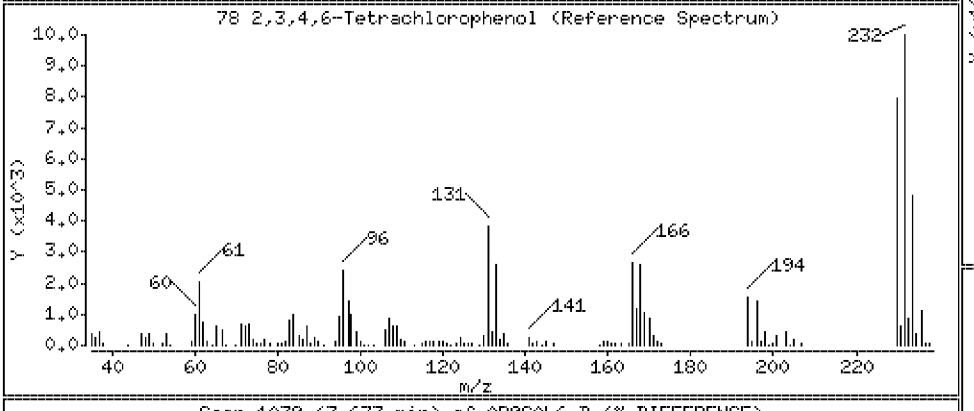
Column diameter: 0.25

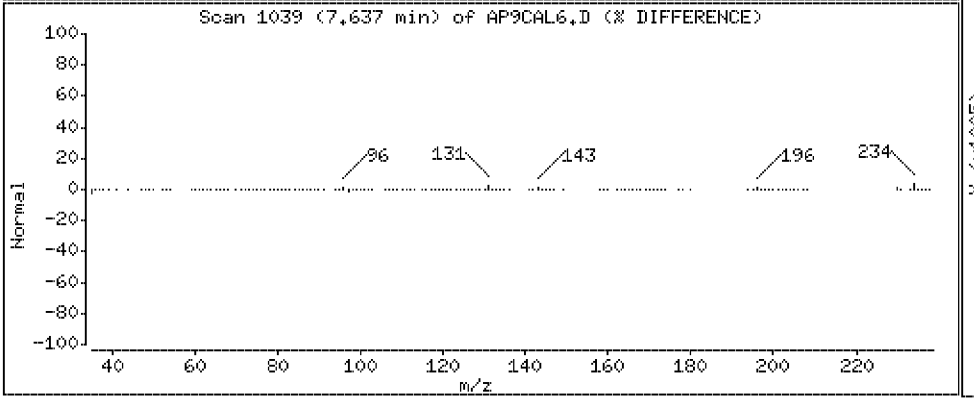
78 2,3,4,6-Tetrachlorophenol

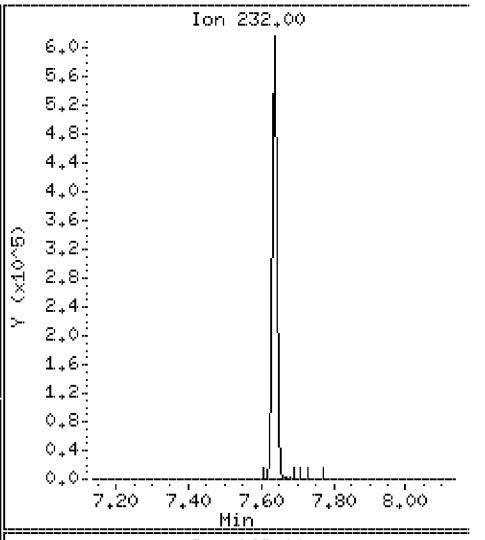
Concentration: 80.5 ug/l

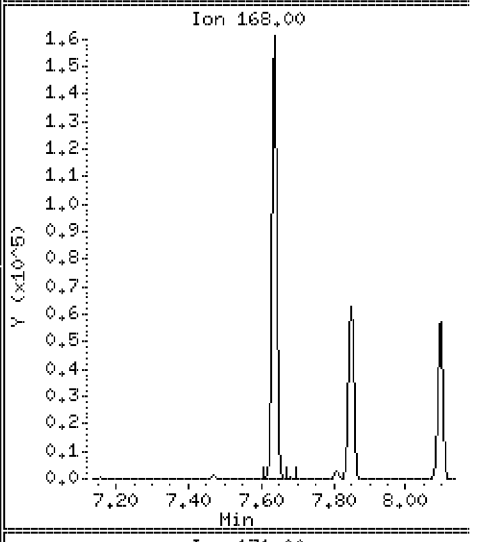


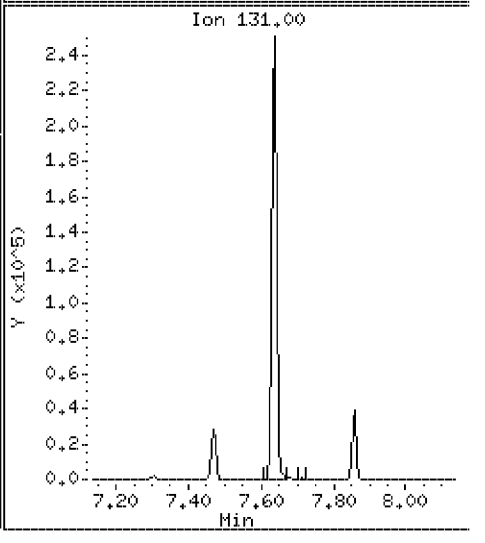












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

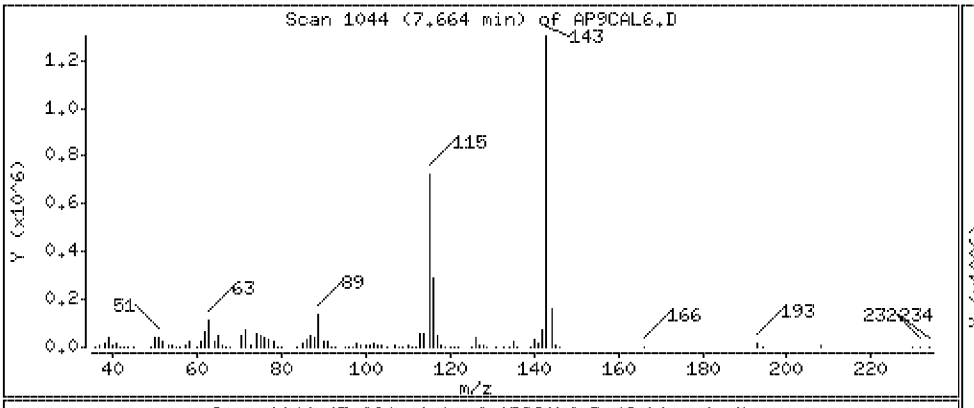
Operator: PEL

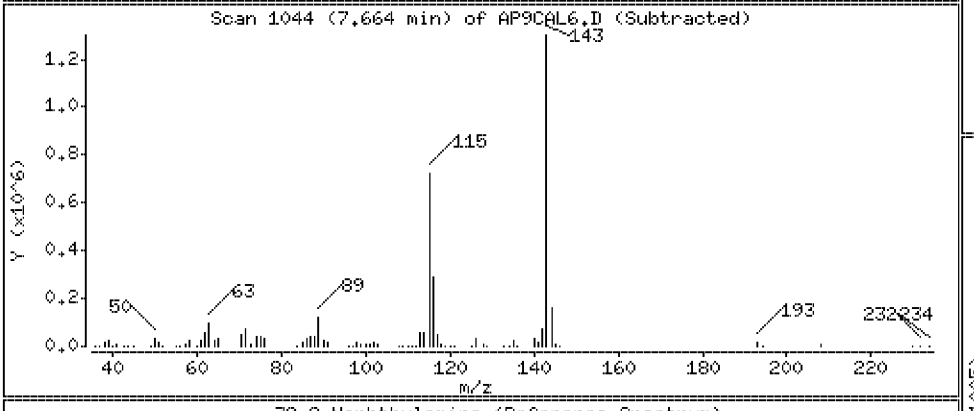
Column phase: HPMS-5

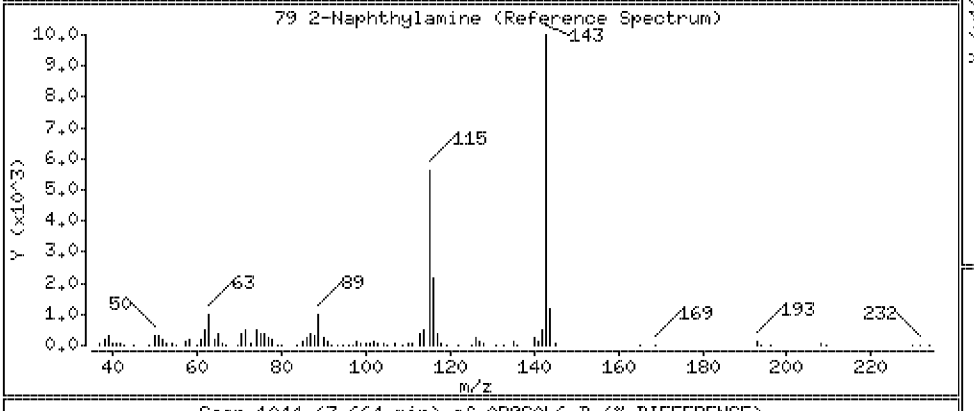
Column diameter: 0.25

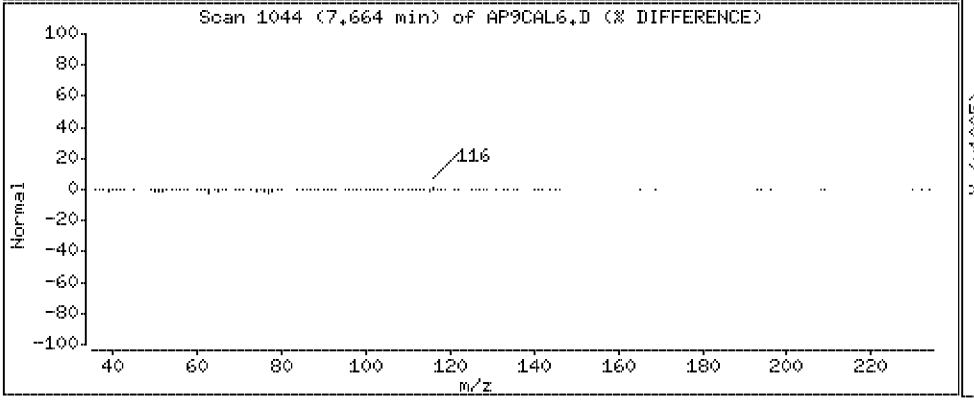
79 2-Naphthylamine

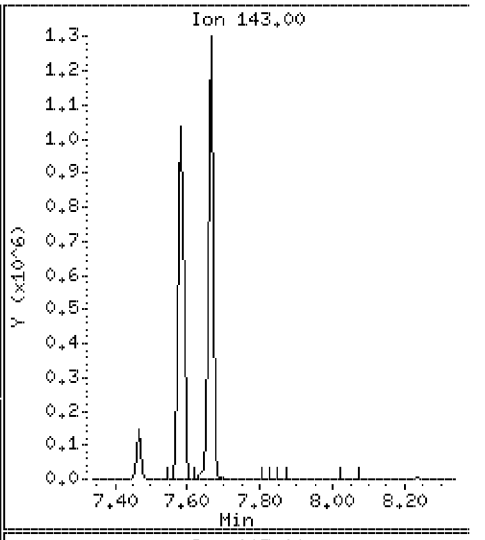
Concentration: 79.2 ug/l

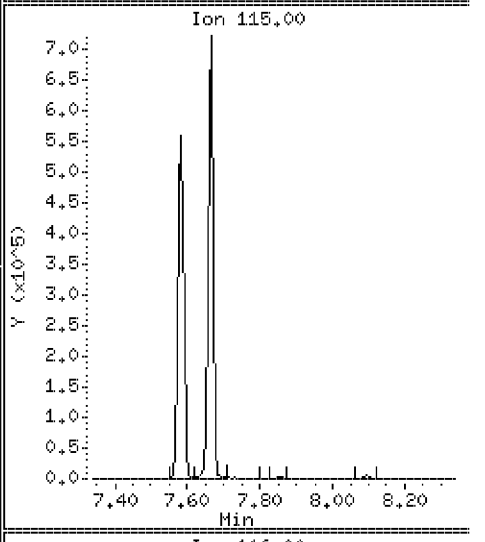


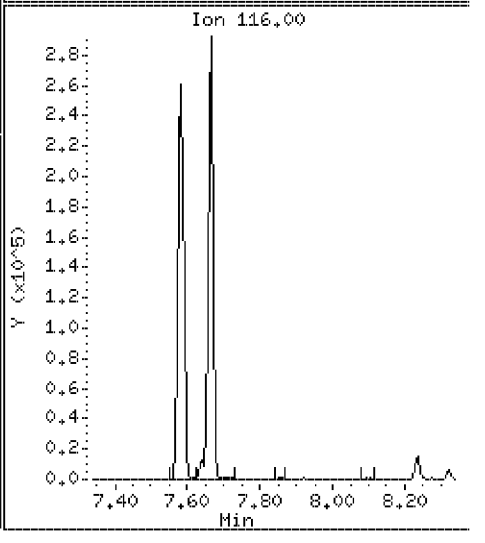












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

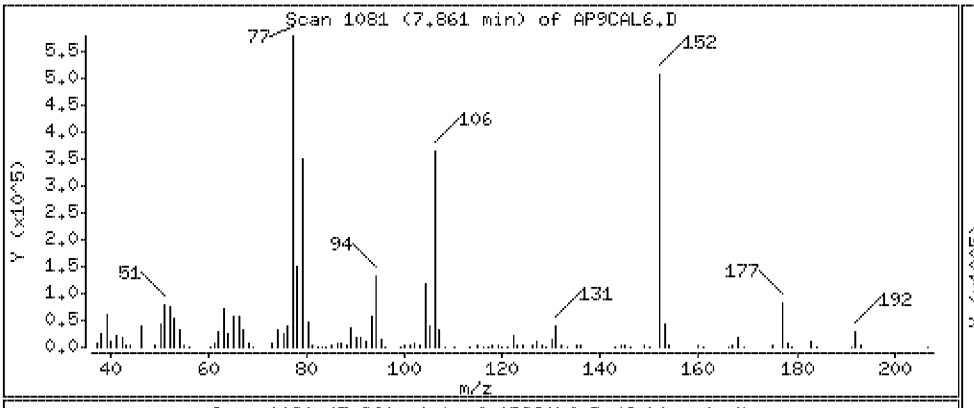
Operator: PEL

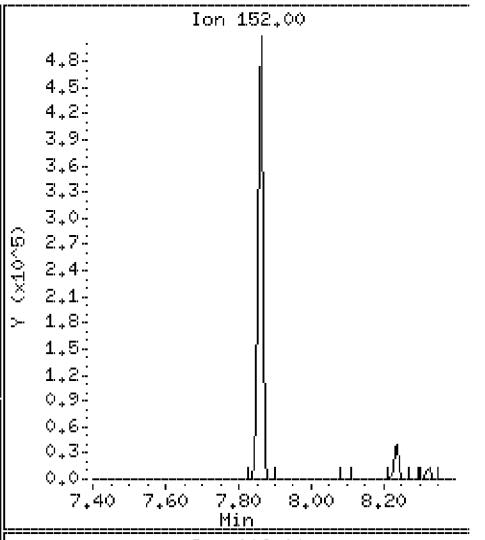
Column phase: HPMS-5

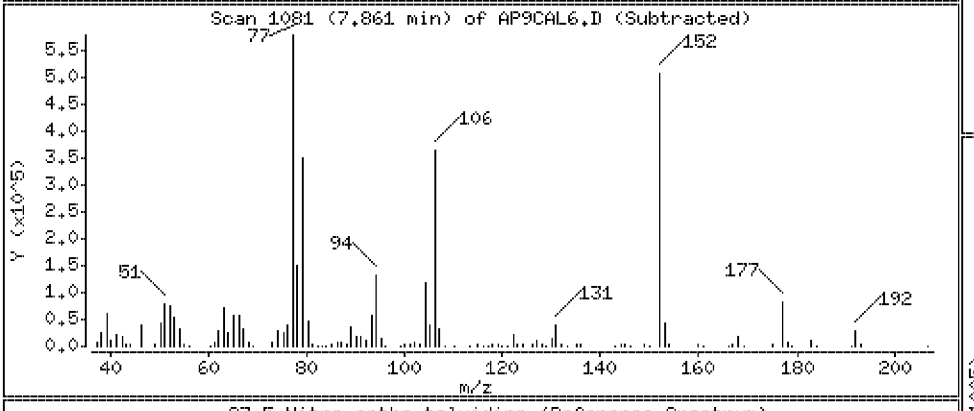
Column diameter: 0.25

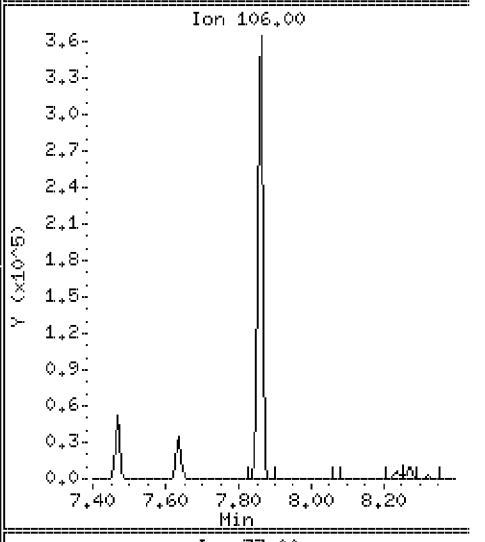
83 5-Nitro-ortho-toluidine

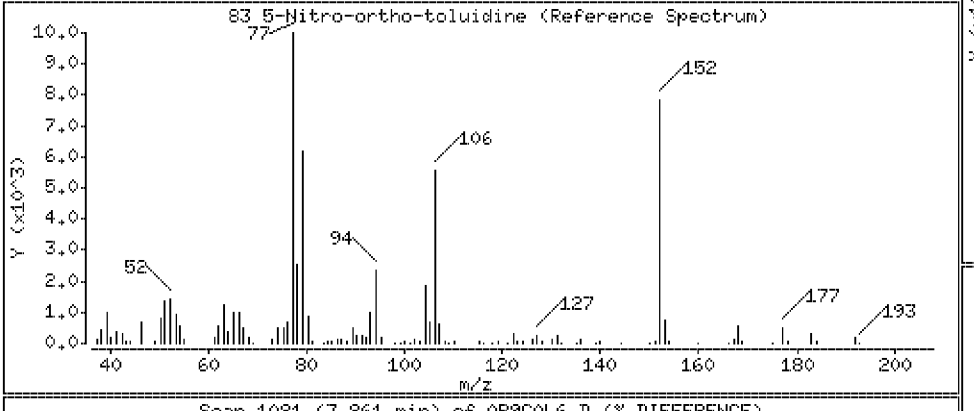
Concentration: 81.2 ug/l

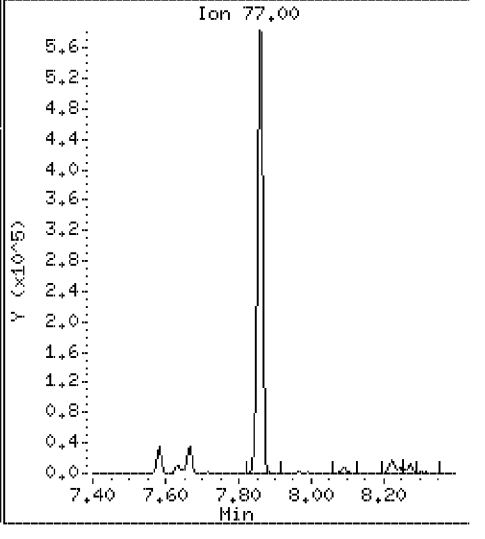


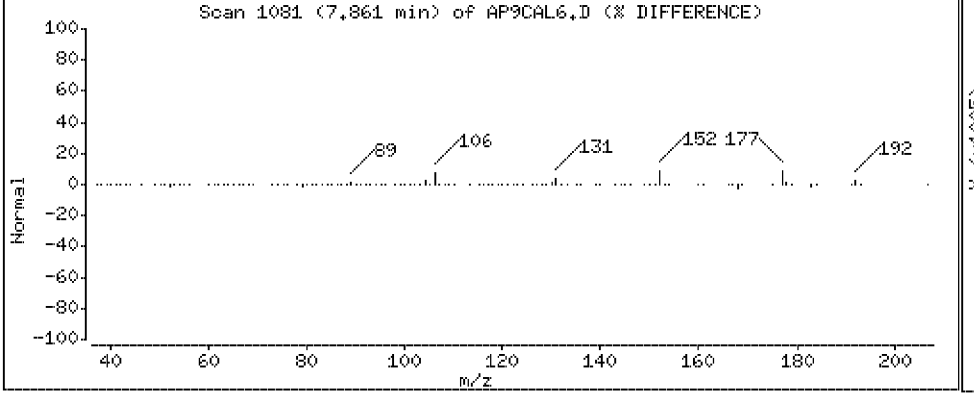












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

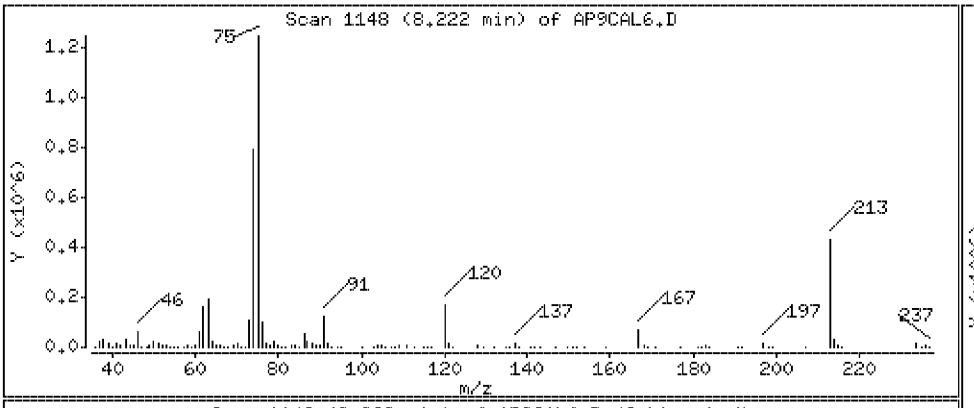
Operator: PEL

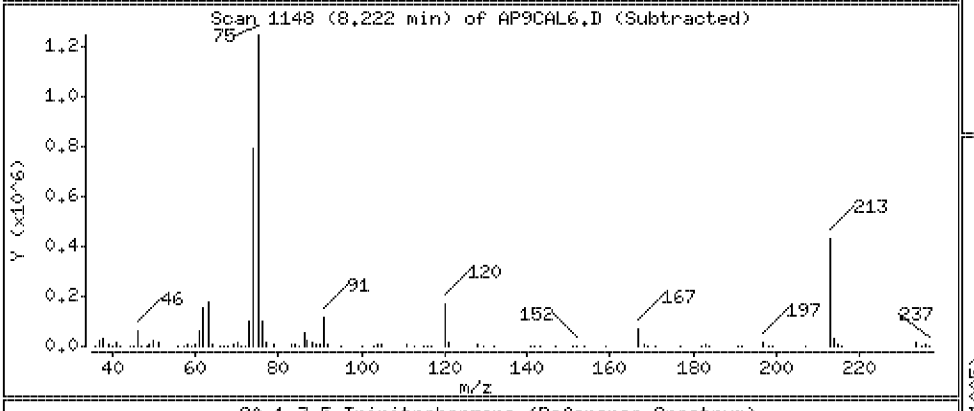
Column phase: HPMS-5

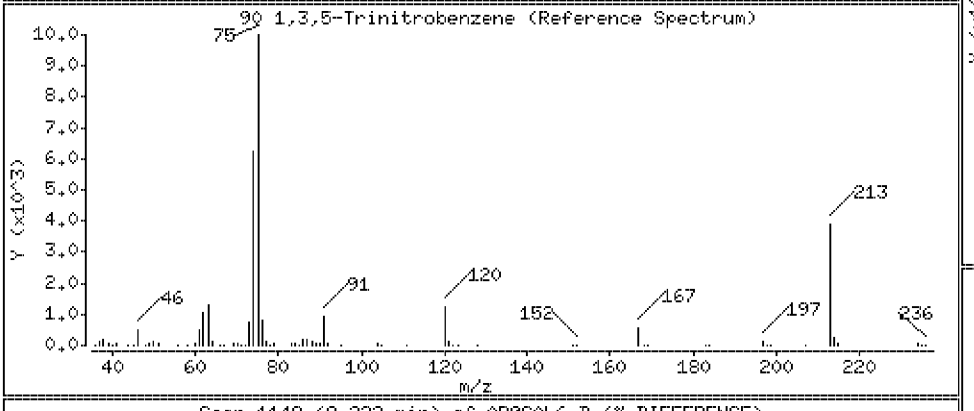
Column diameter: 0.25

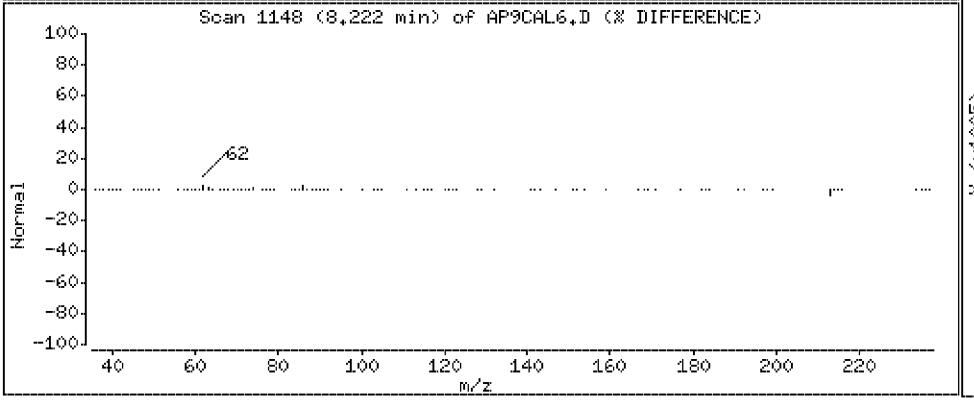
90 1,3,5-Trinitrobenzene

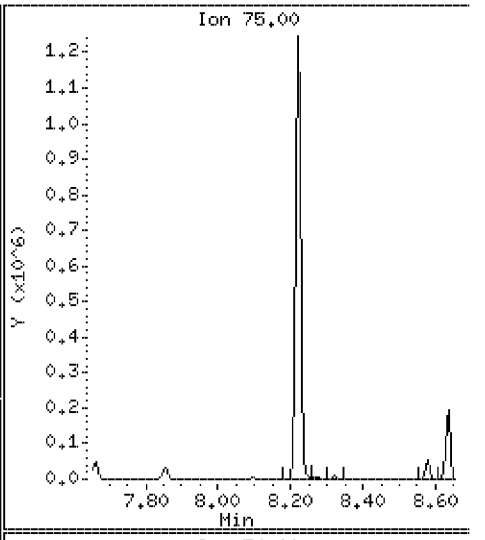
Concentration: 73.8 ug/l

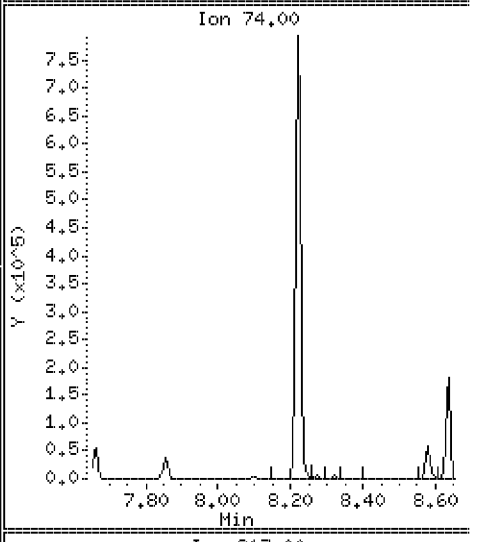


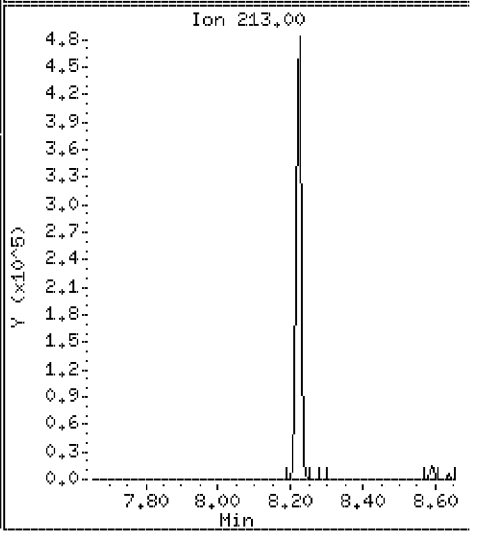












Date : 23-APR-2012 17:30

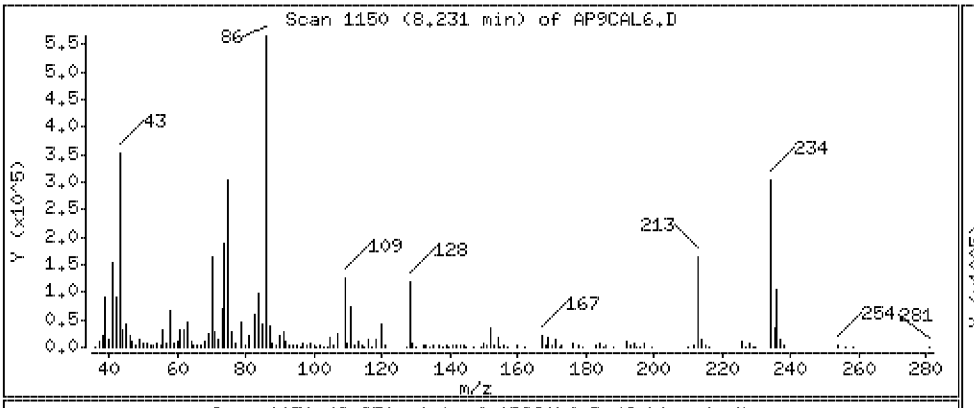
Client ID: AP9CAL6 Instrument: smsd03.i

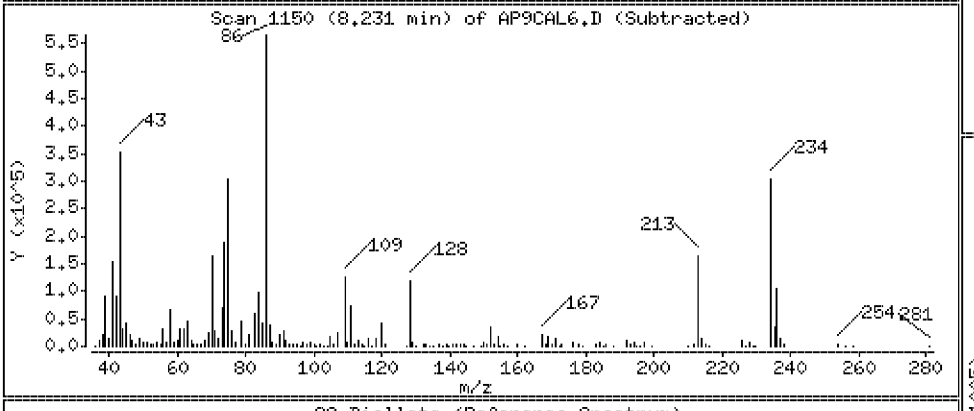
Sample Info: 45956

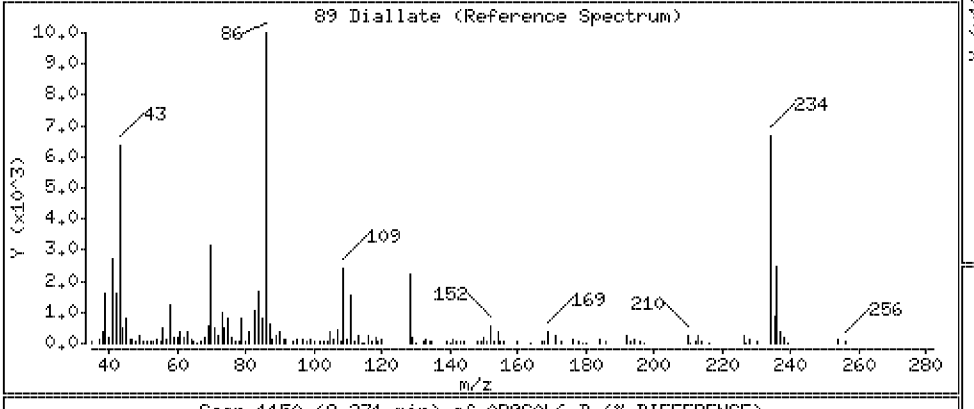
Purge Volume: 1000.0 Operator: PEL

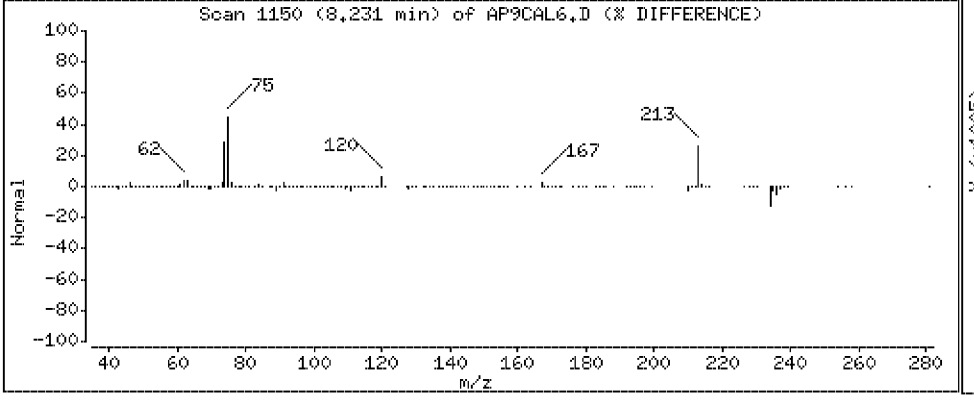
Column phase: HPMS-5 Column diameter: 0.25

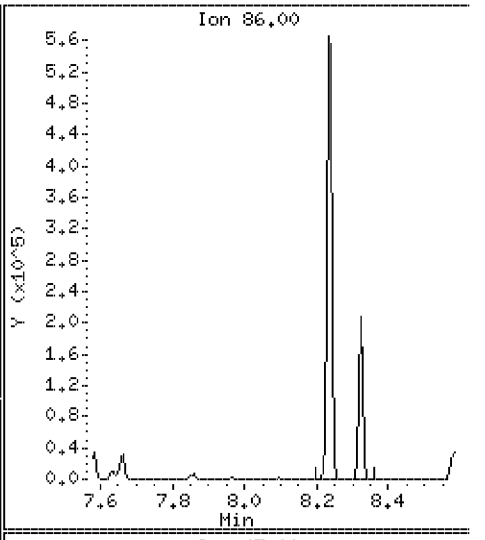
89 Diallate Concentration: 83.0 ug/l

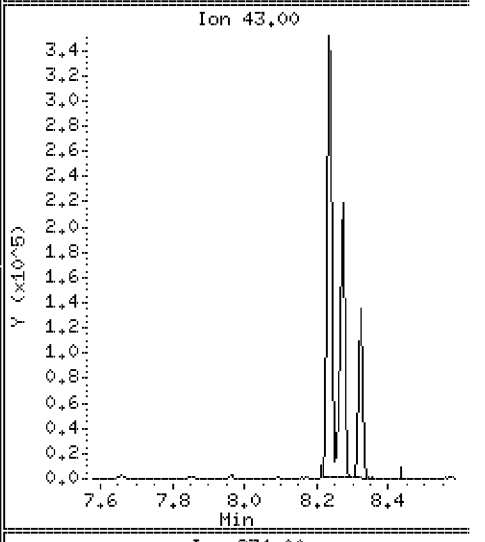


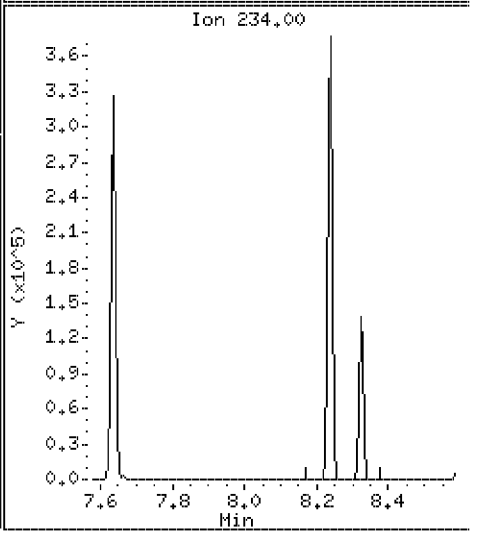












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

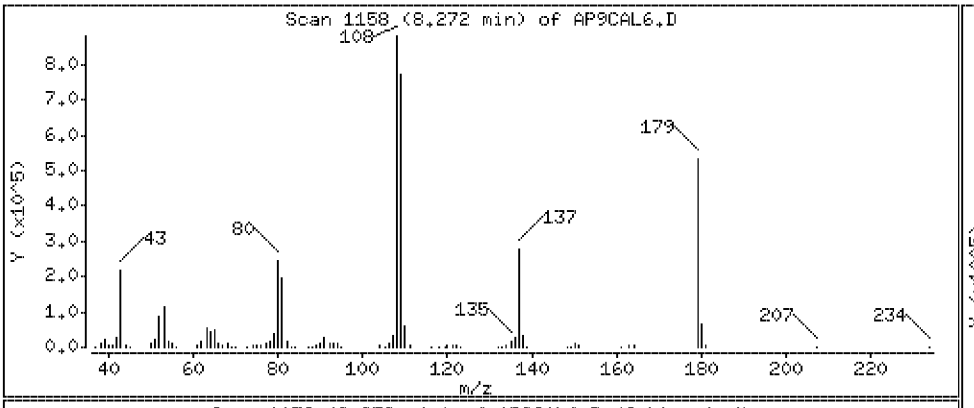
Operator: PEL

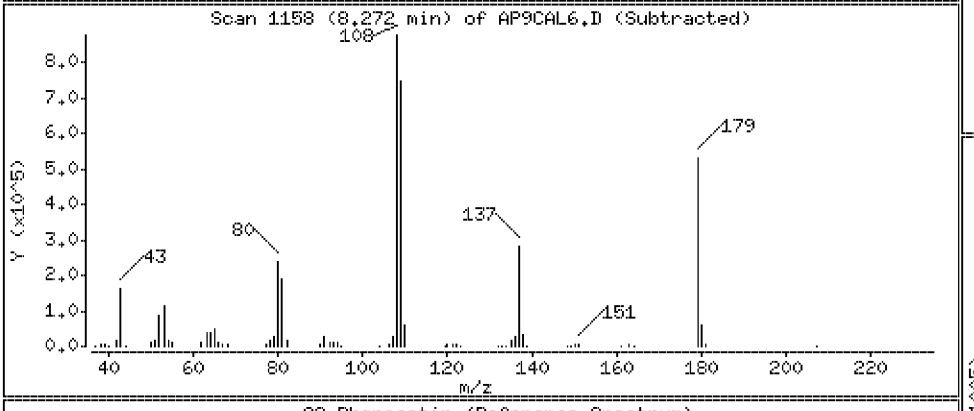
Column phase: HPMS-5

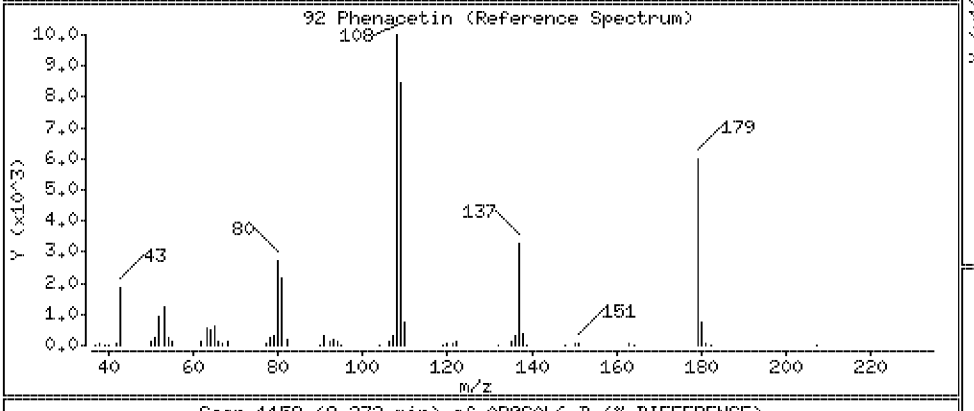
Column diameter: 0.25

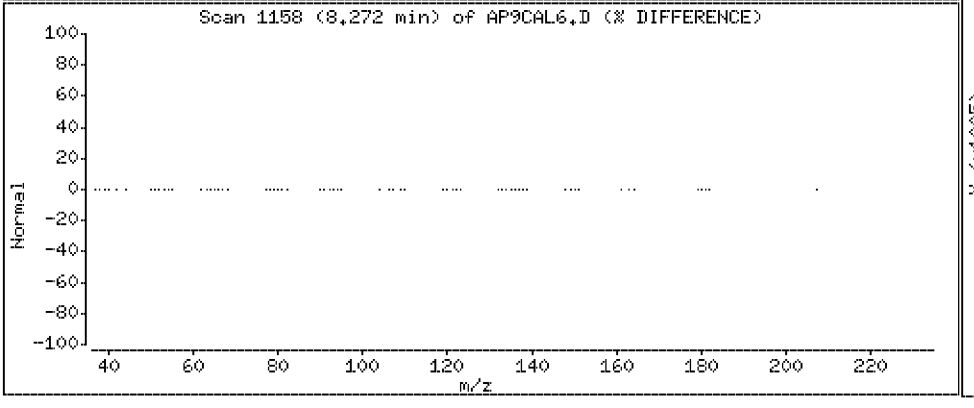
92 Phenacetin

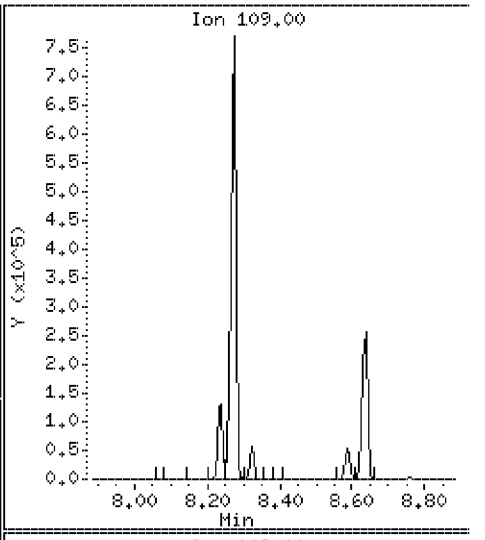
Concentration: 76.8 ug/l

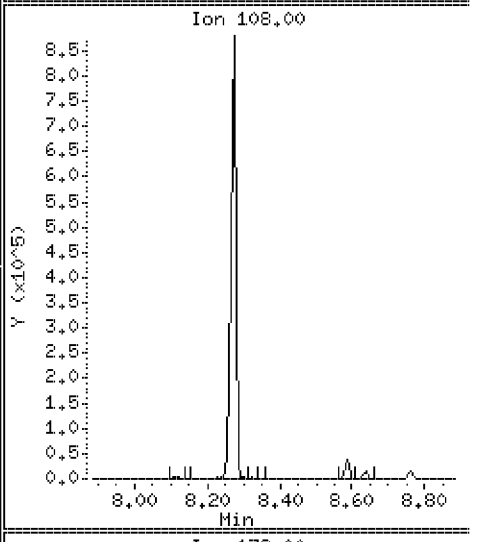


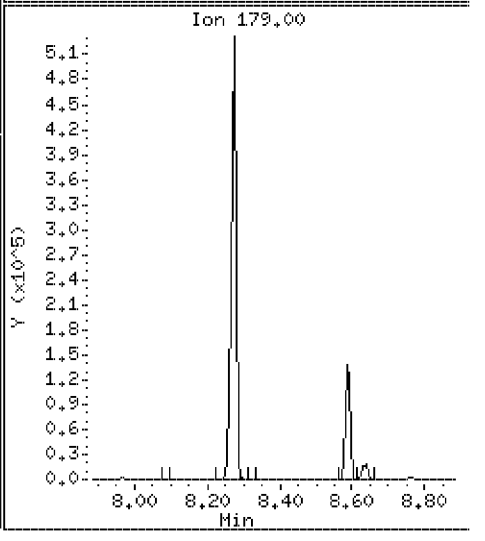












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

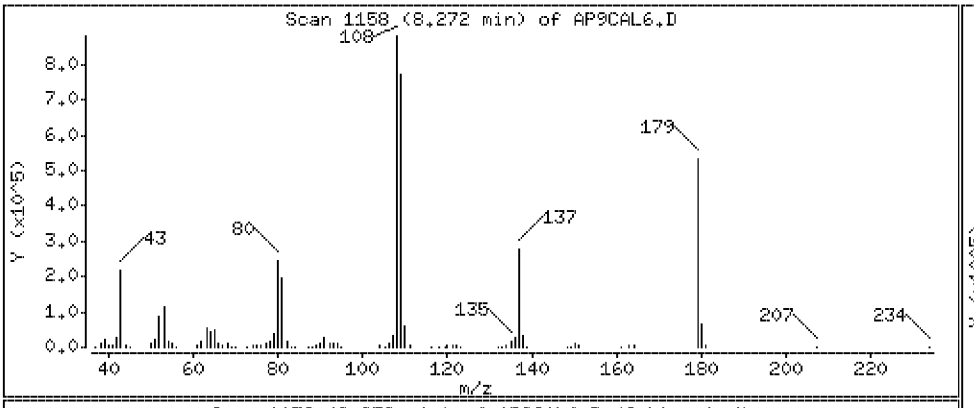
Operator: PEL

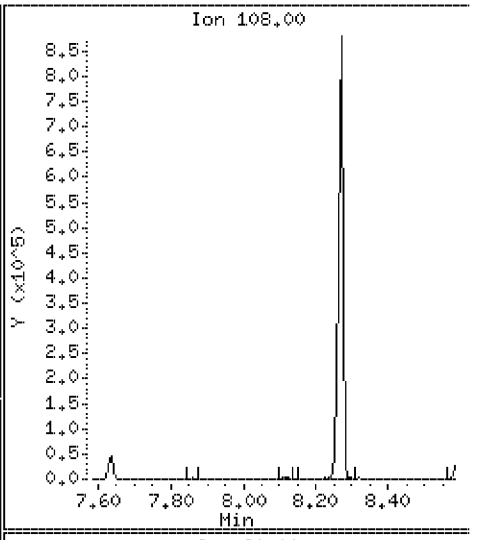
Column phase: HPMS-5

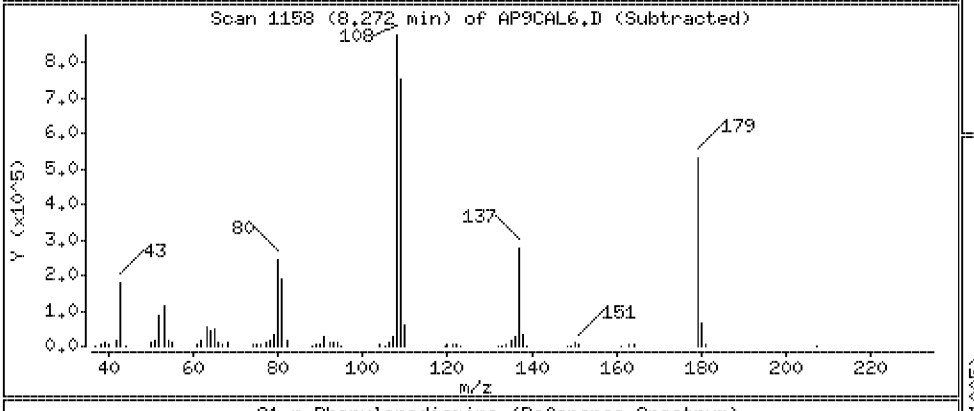
Column diameter: 0.25

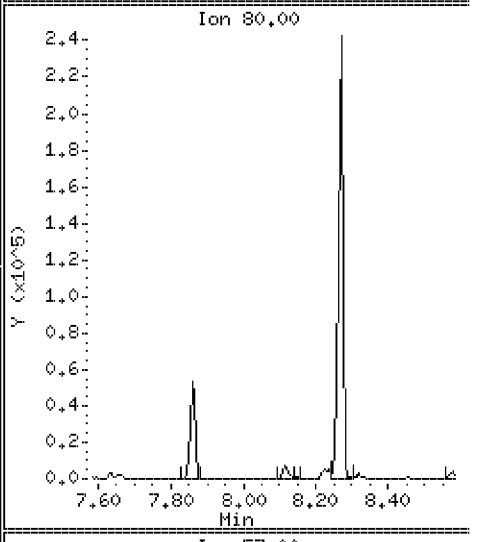
91 p-Phenylenediamine

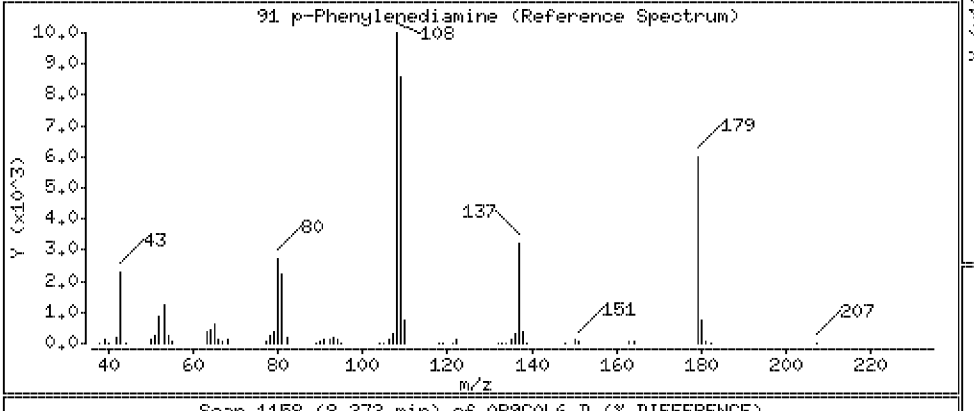
Concentration: 81.4 ug/l

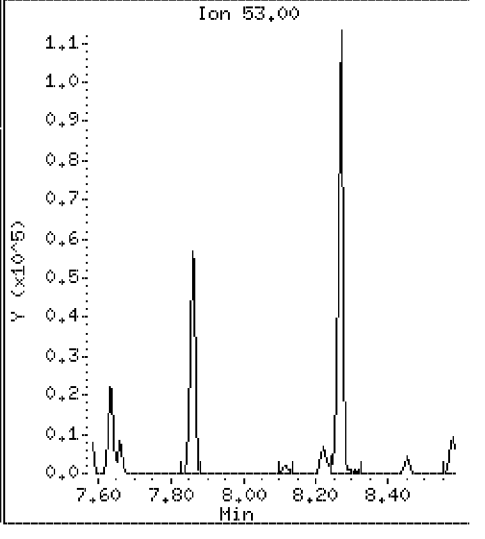


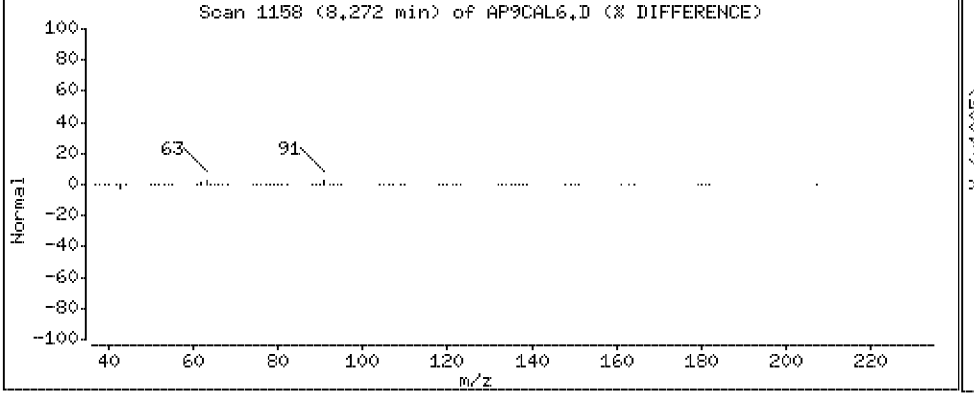












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

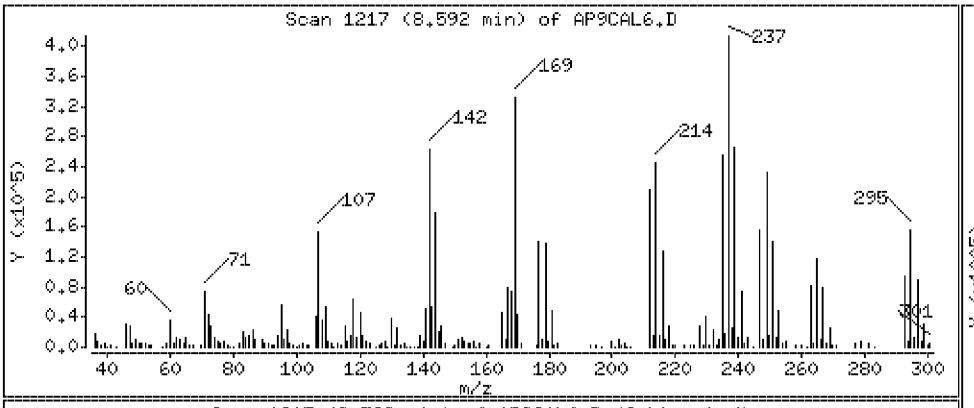
Operator: PEL

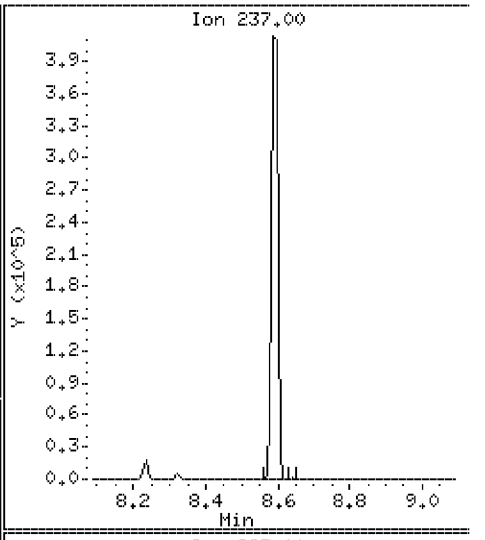
Column phase: HPMS-5

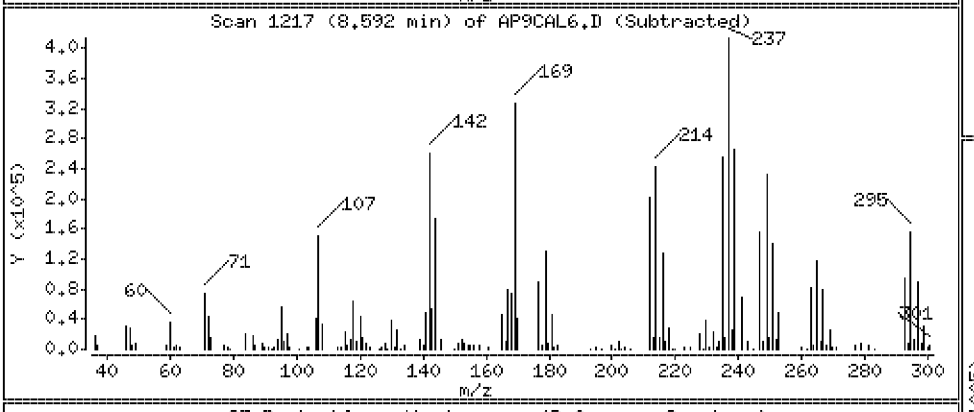
Column diameter: 0.25

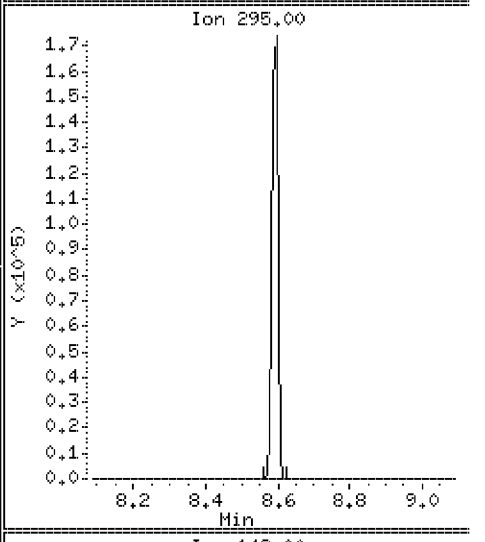
97 Pentachloronitrobenzene

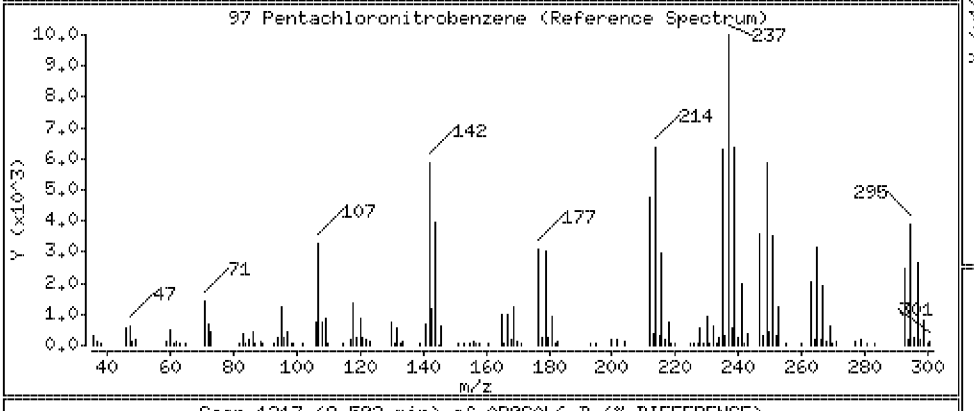
Concentration: 81.8 ug/l

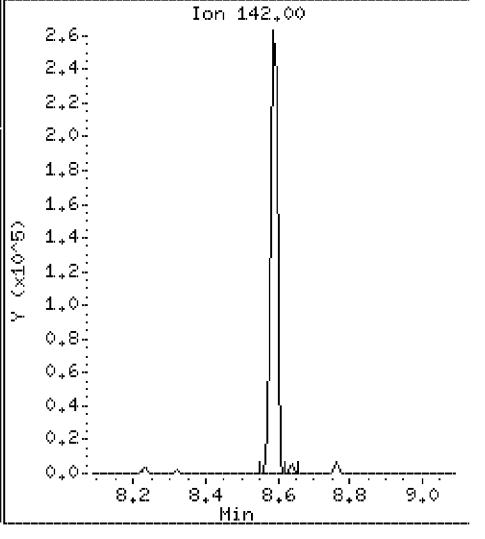


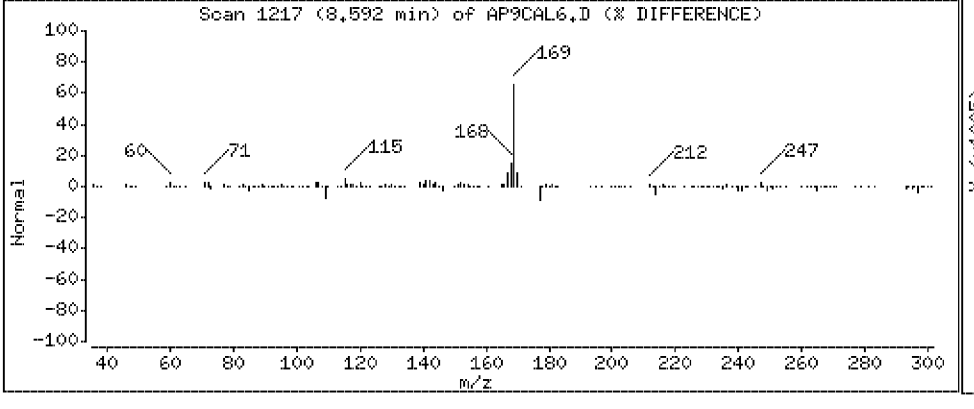












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

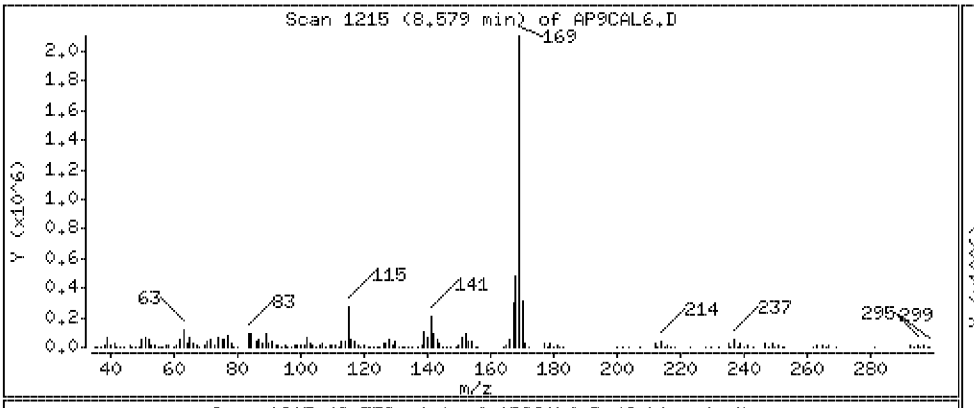
Operator: PEL

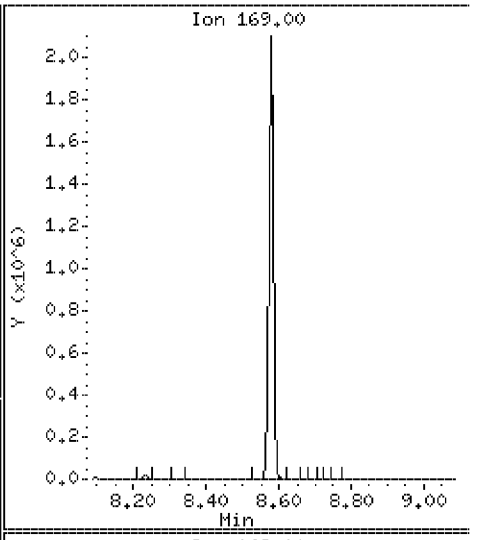
Column phase: HPMS-5

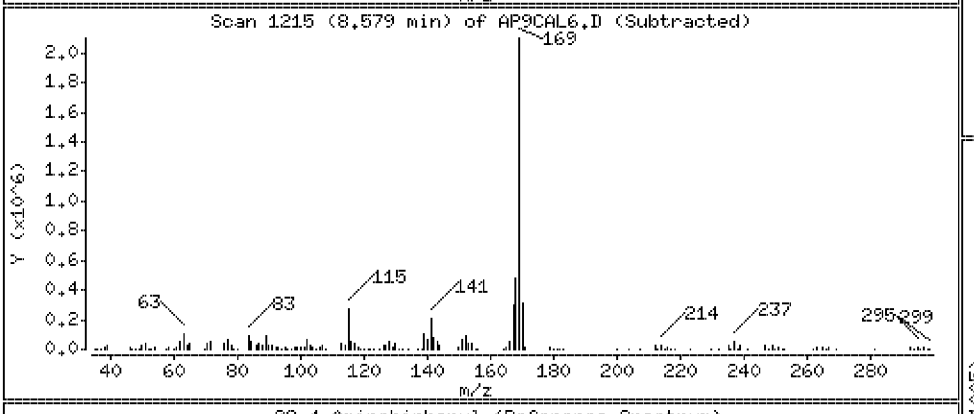
Column diameter: 0.25

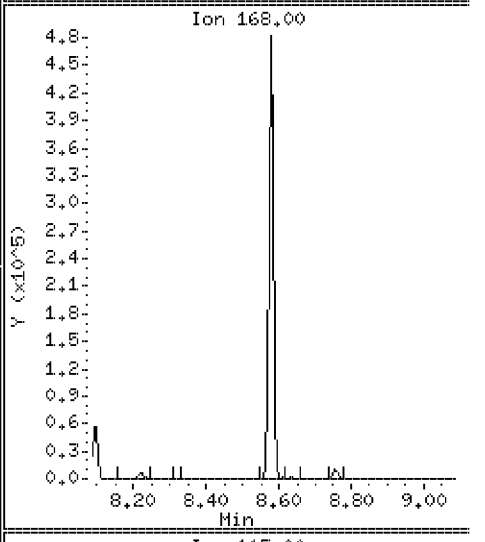
98 4-Aminobiphenyl

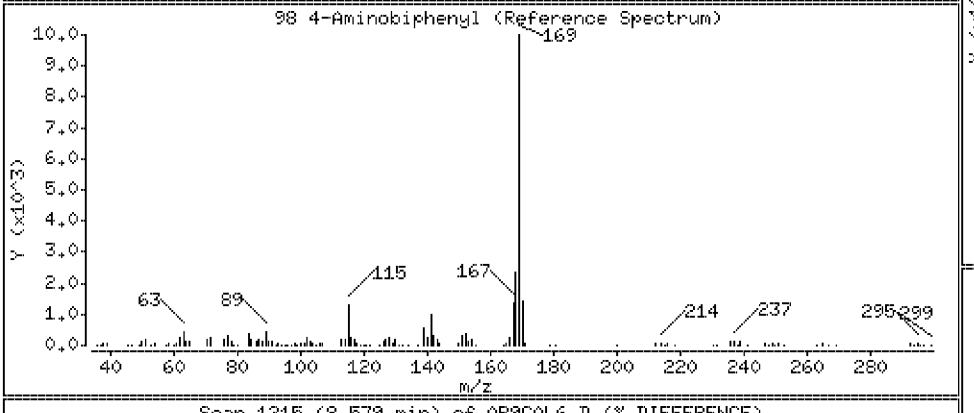
Concentration: 77.0 ug/l

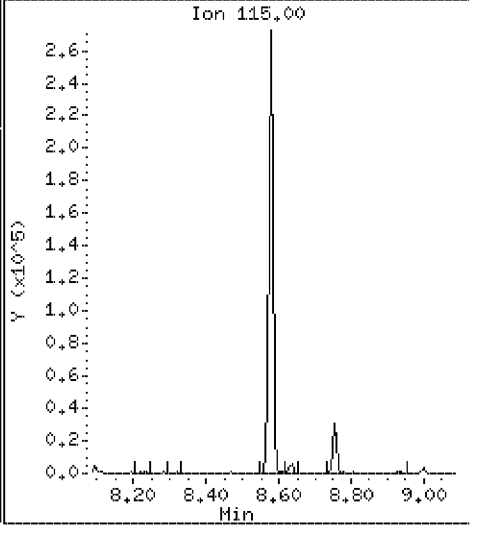


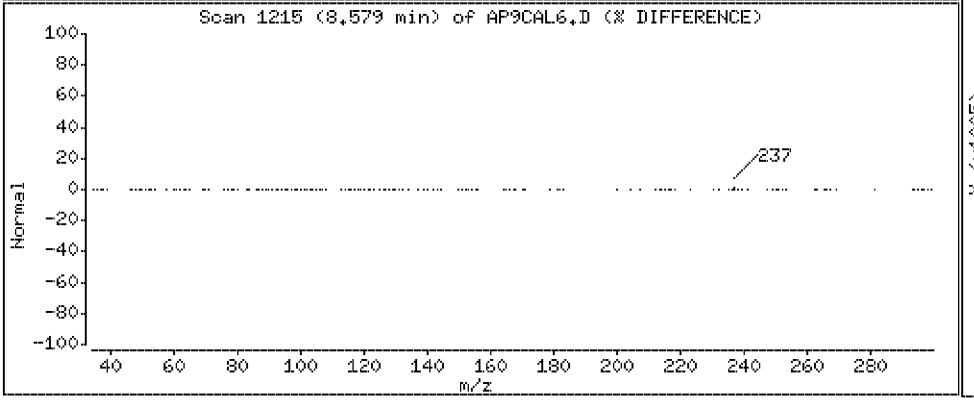












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

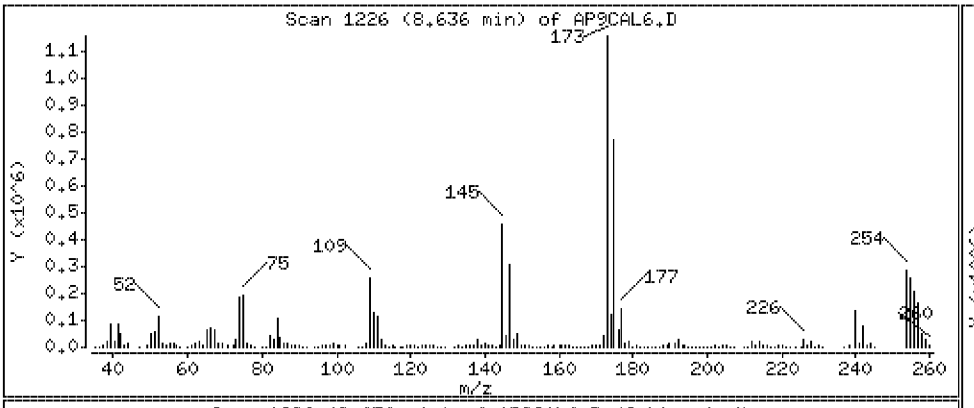
Operator: PEL

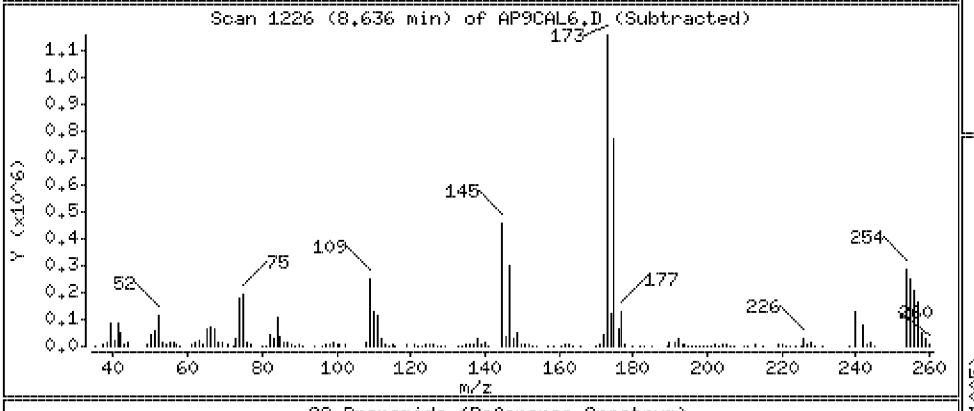
Column phase: HPMS-5

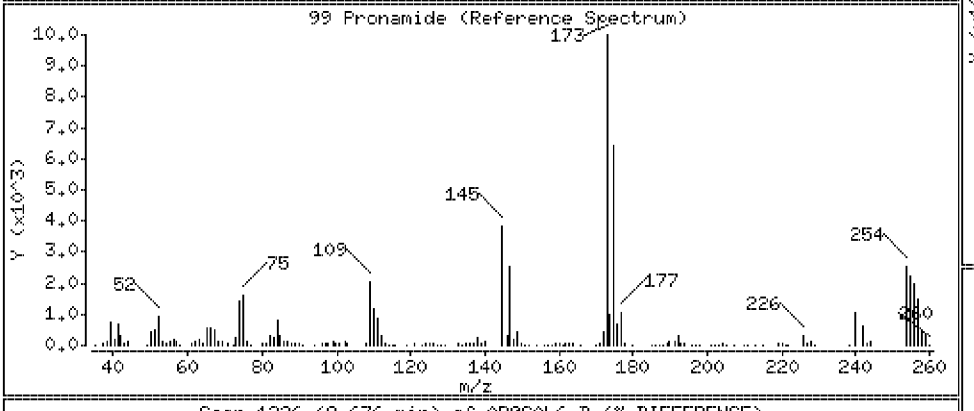
Column diameter: 0.25

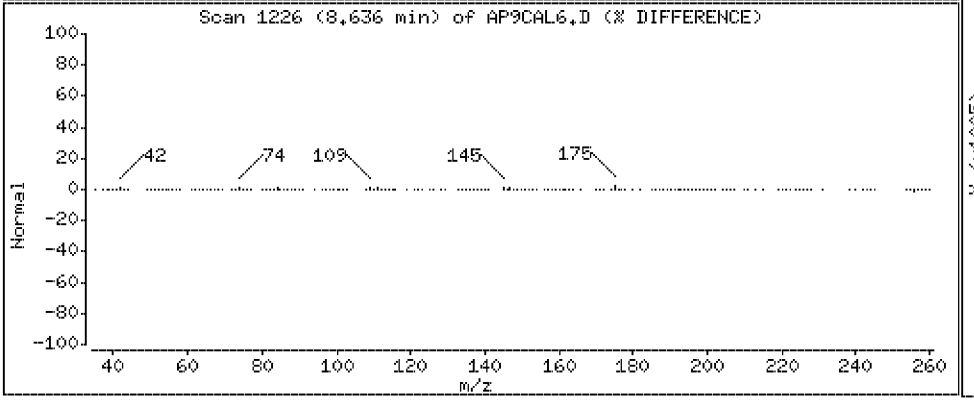
99 Pronamide

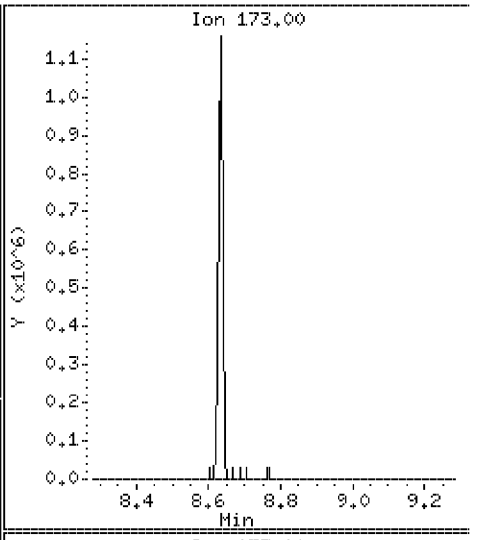
Concentration: 79.0 ug/l

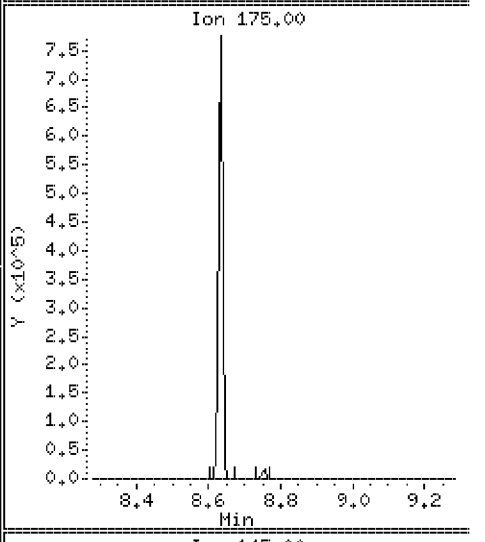


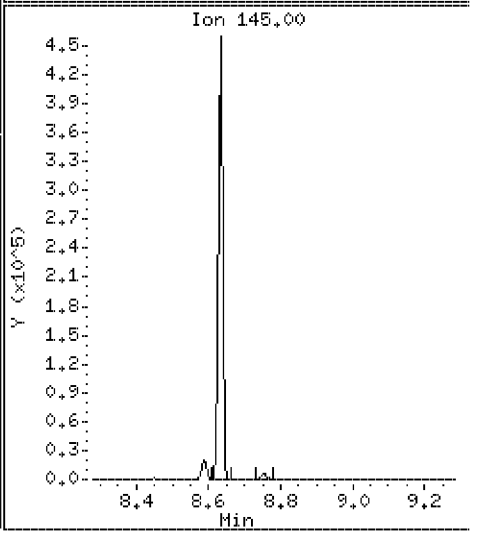












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

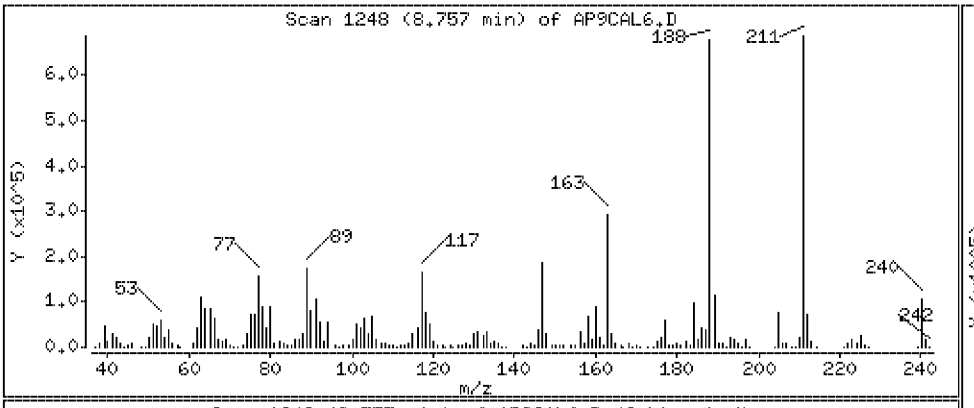
Operator: PEL

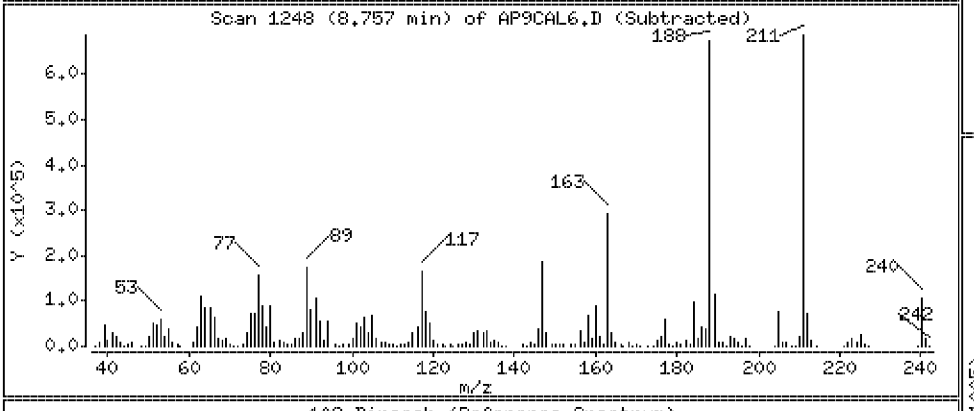
Column phase: HPMS-5

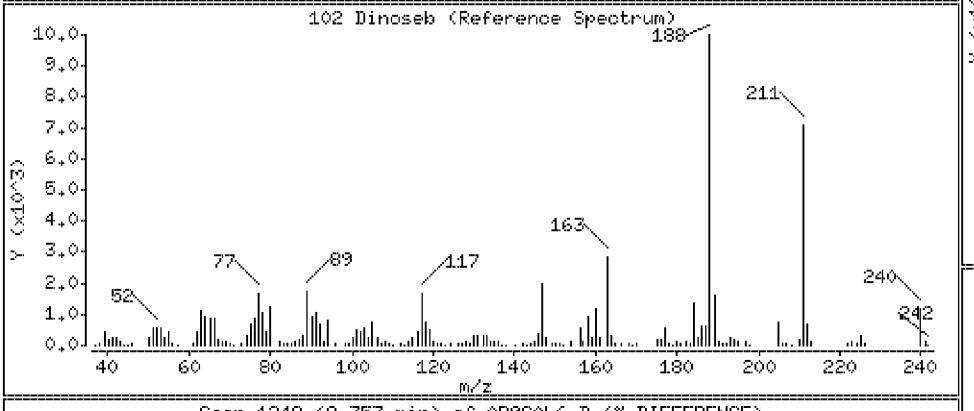
Column diameter: 0.25

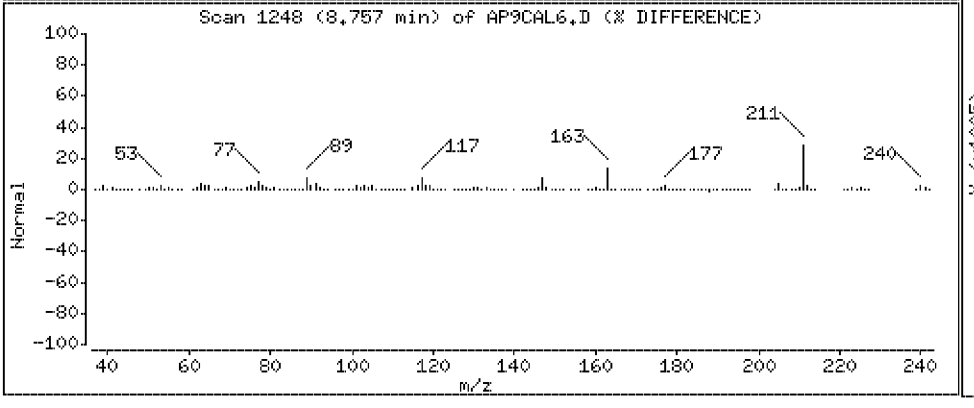
102 Dinoseb

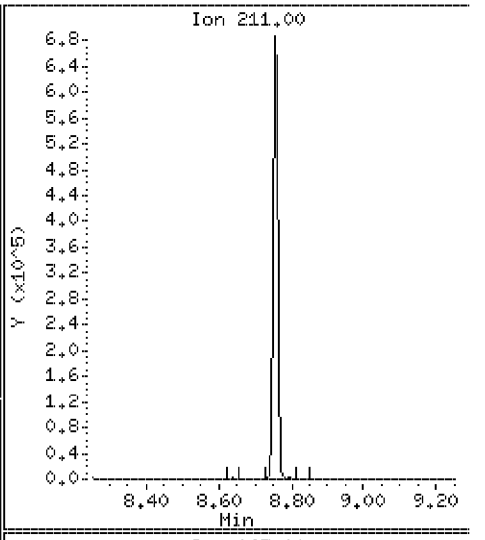
Concentration: 74.9 ug/l

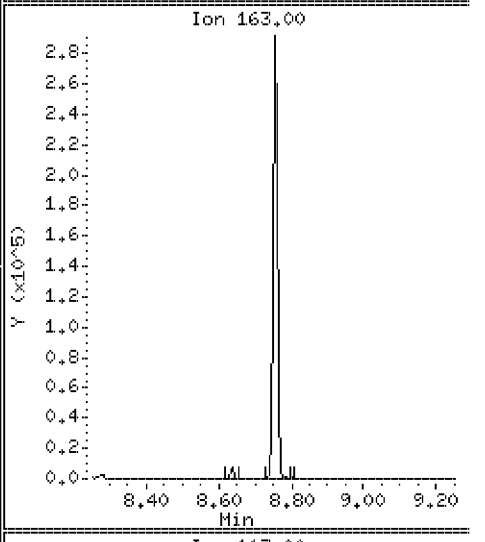


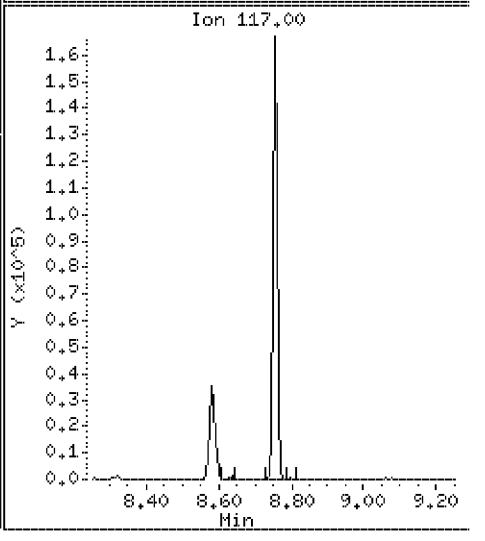












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

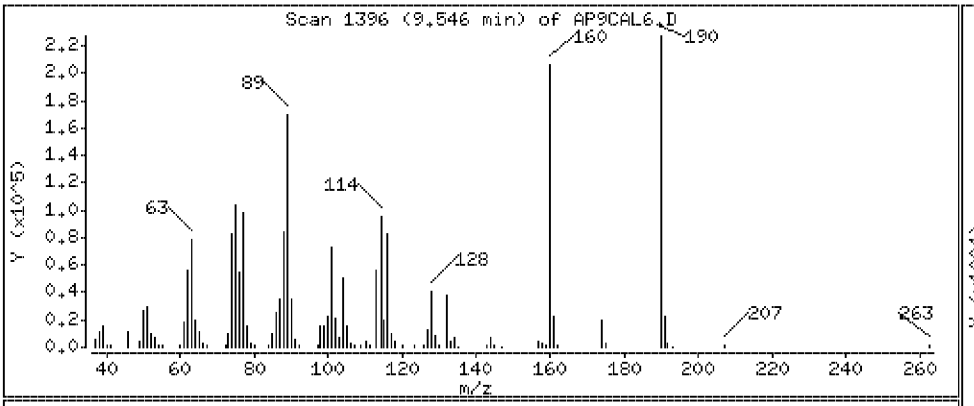
Operator: PEL

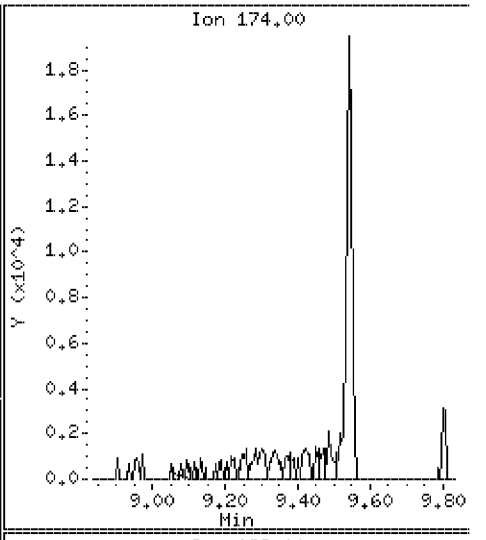
Column phase: HPMS-5

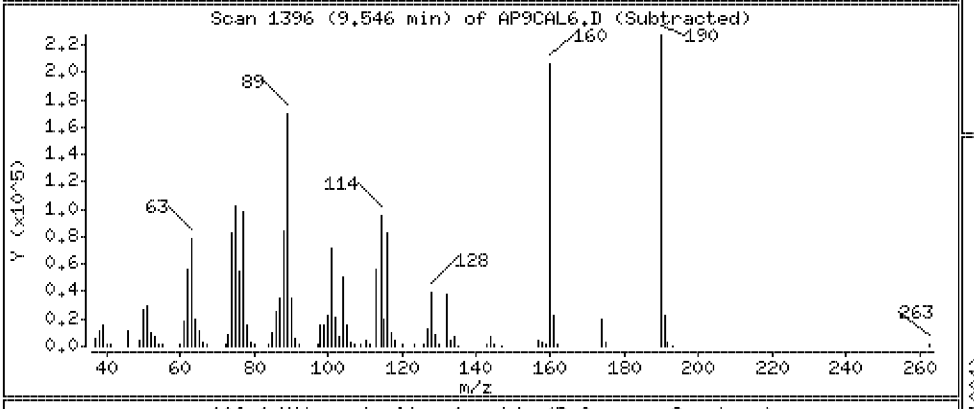
Column diameter: 0.25

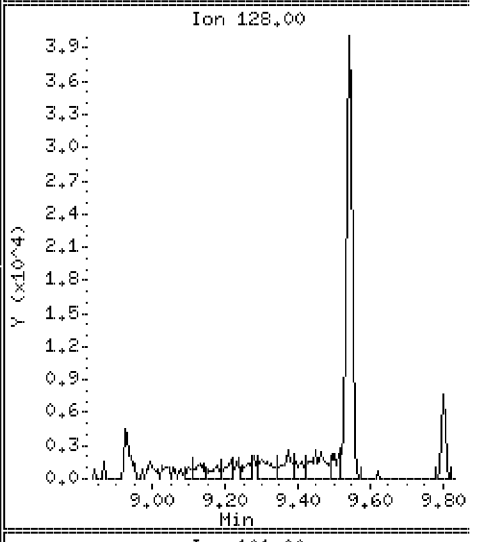
106 4-Nitroquinoline-1-oxide

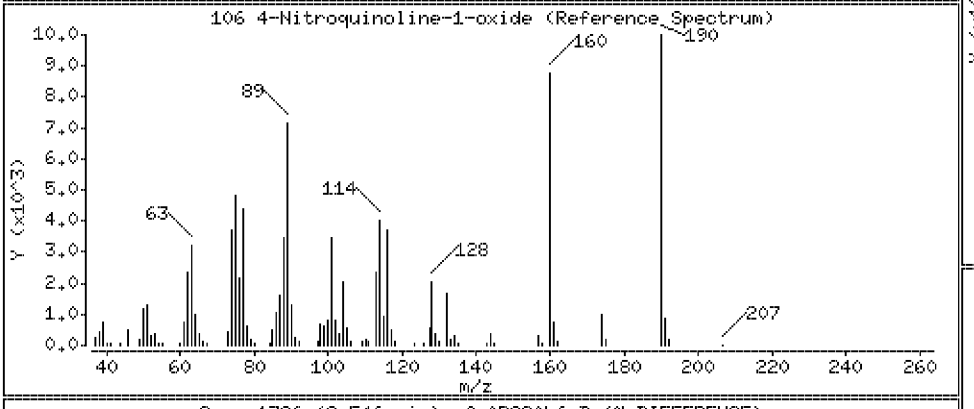
Concentration: 76.9 ug/l

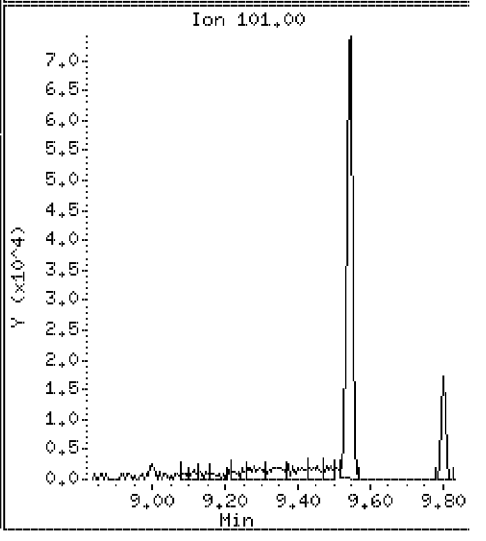


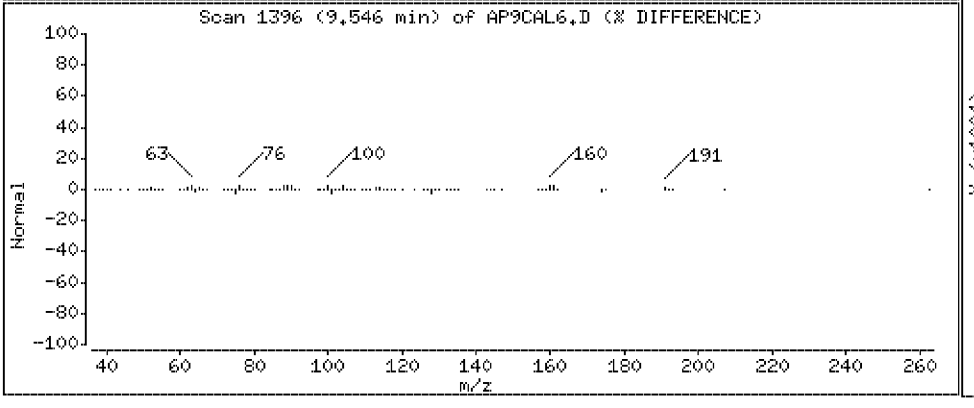












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

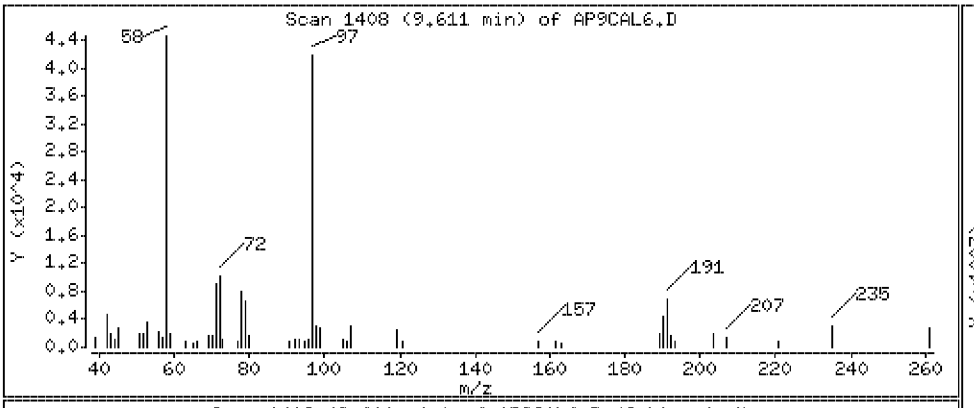
Operator: PEL

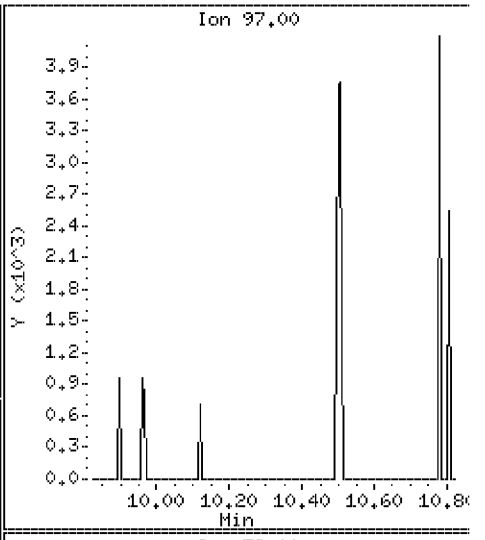
Column phase: HPMS-5

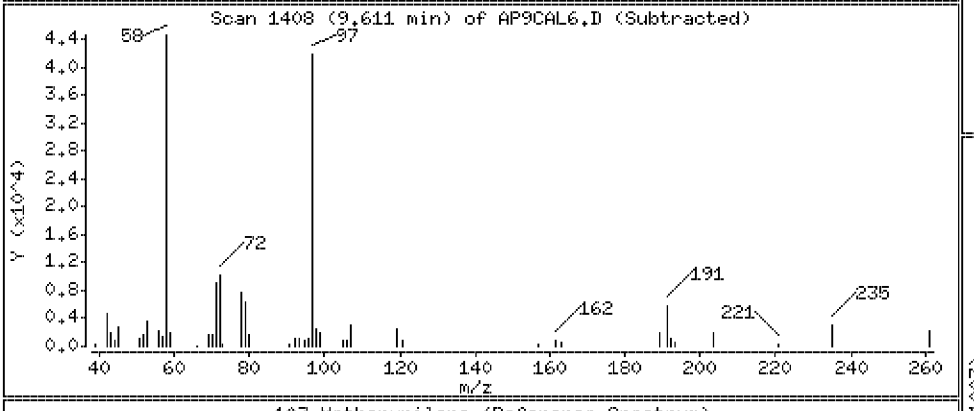
Column diameter: 0.25

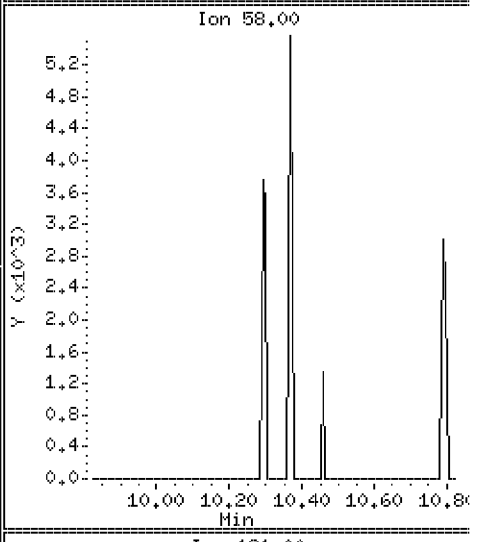
107 Methapyrilene

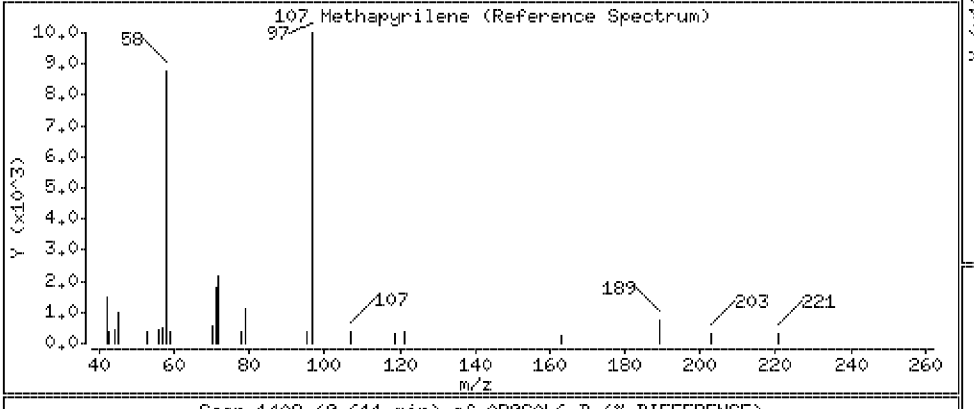
Concentration: 79.0 ug/l

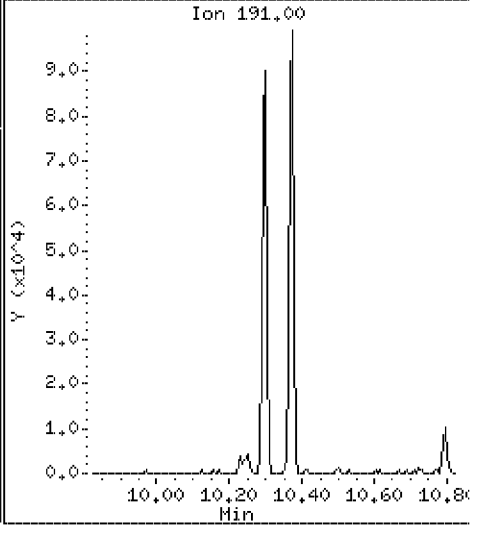


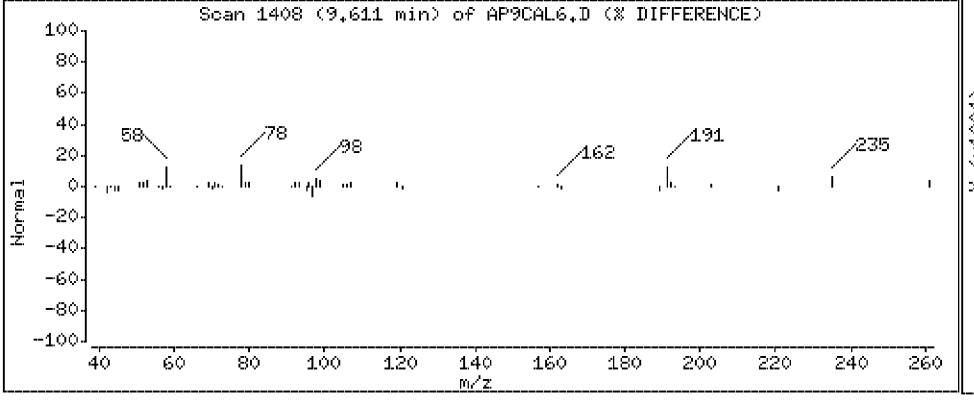












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

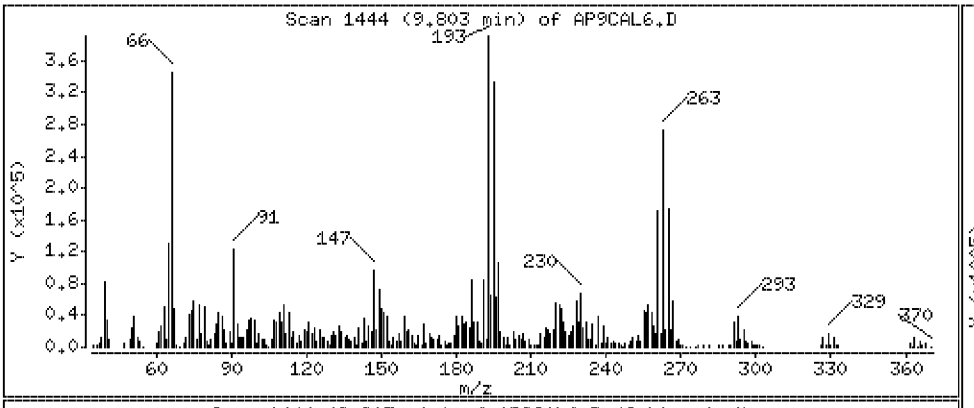
Operator: PEL

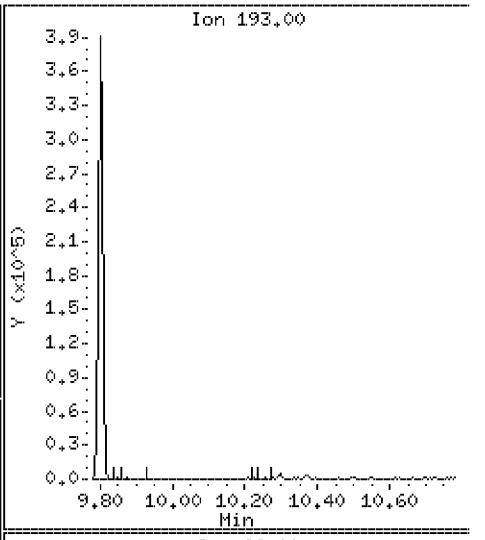
Column phase: HPMS-5

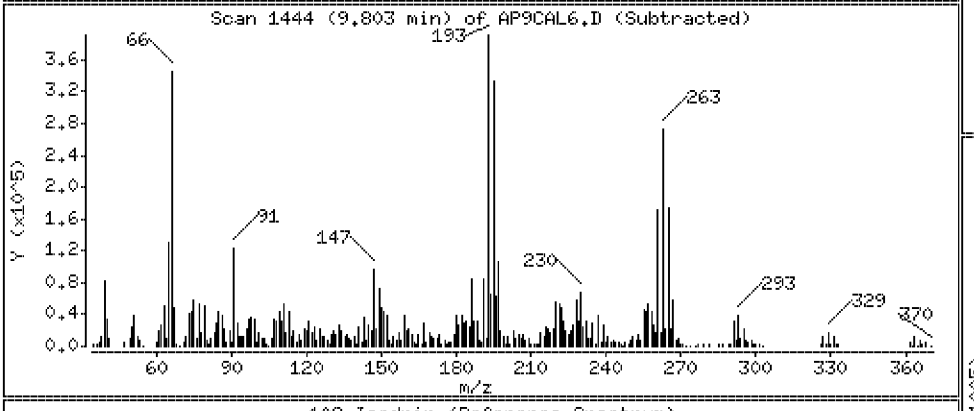
Column diameter: 0.25

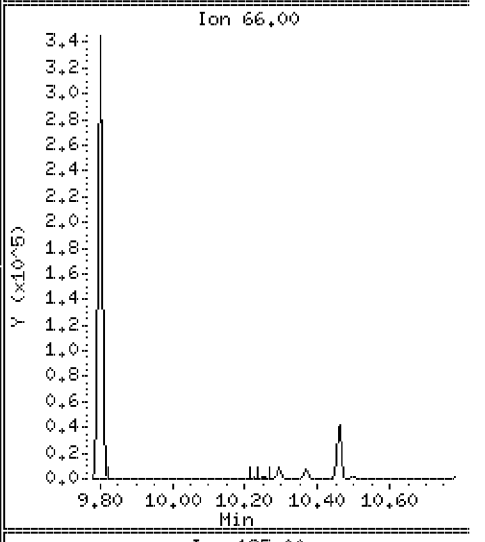
108 Isodrin

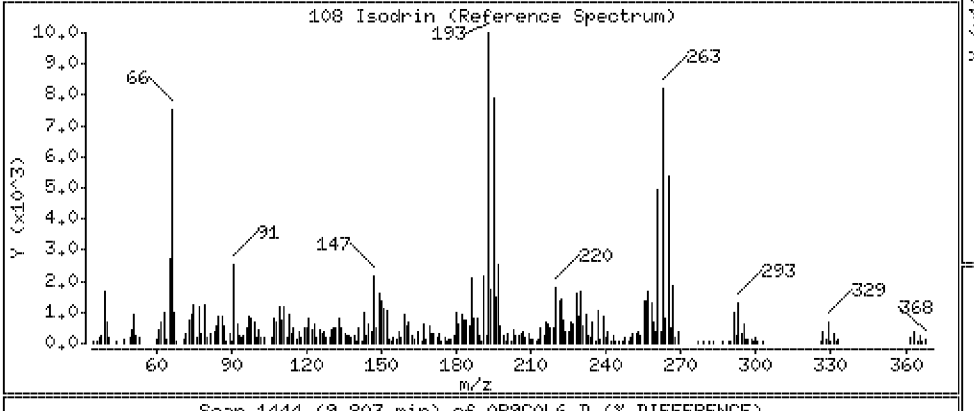
Concentration: 77.1 ug/l

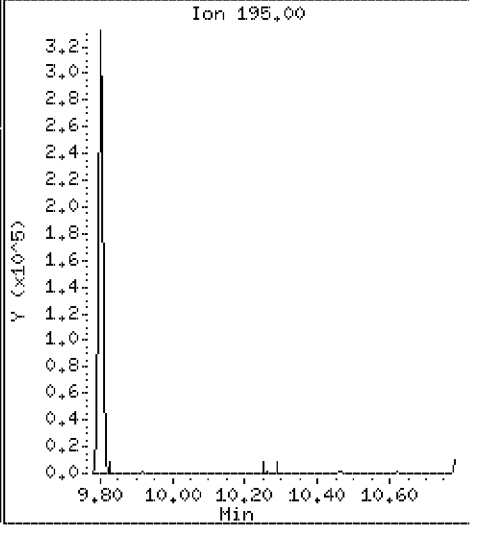


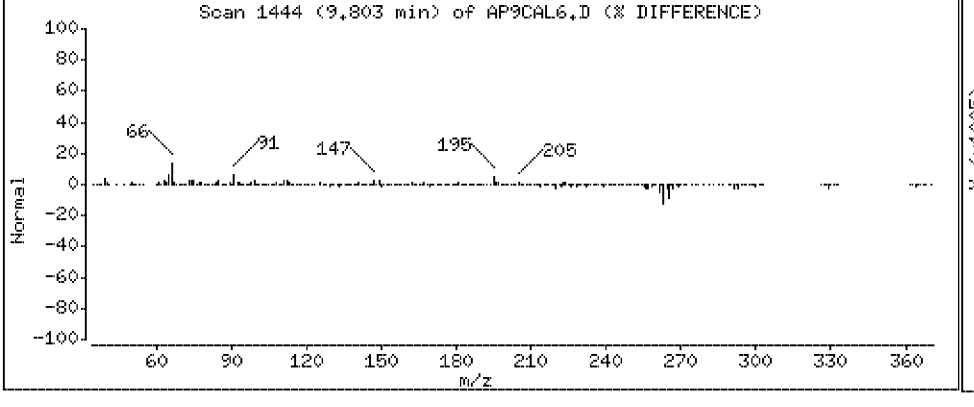












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

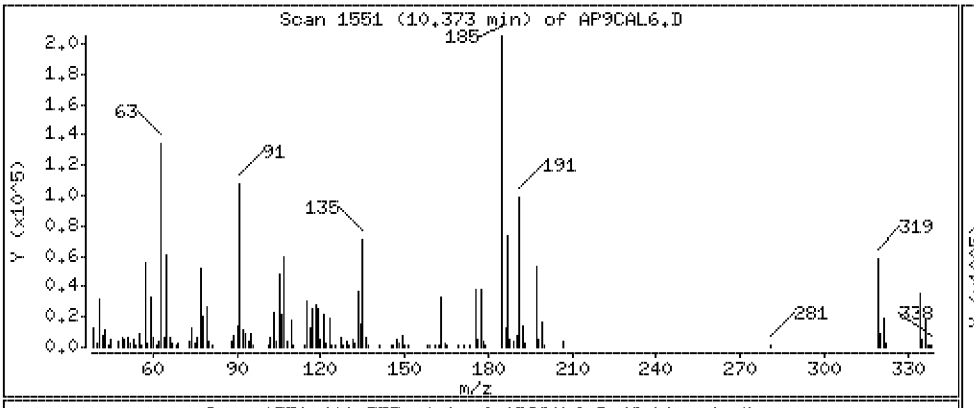
Operator: PEL

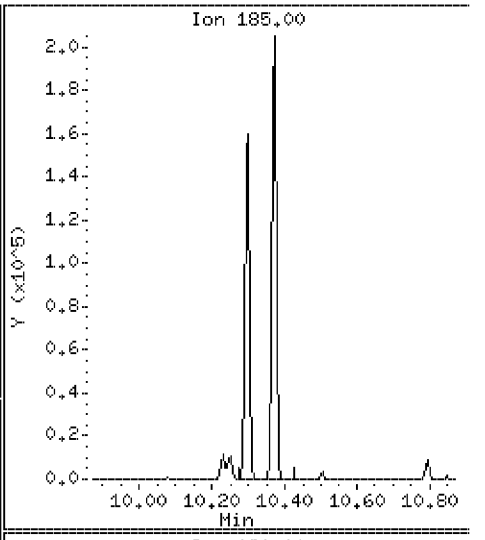
Column phase: HPMS-5

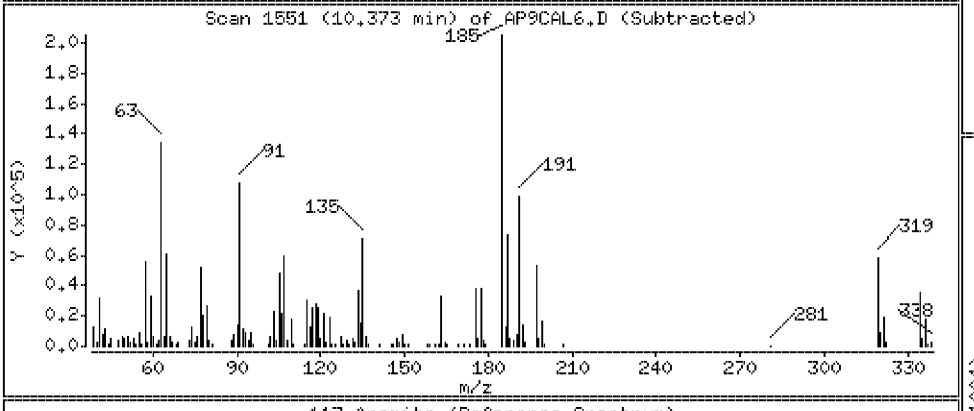
Column diameter: 0.25

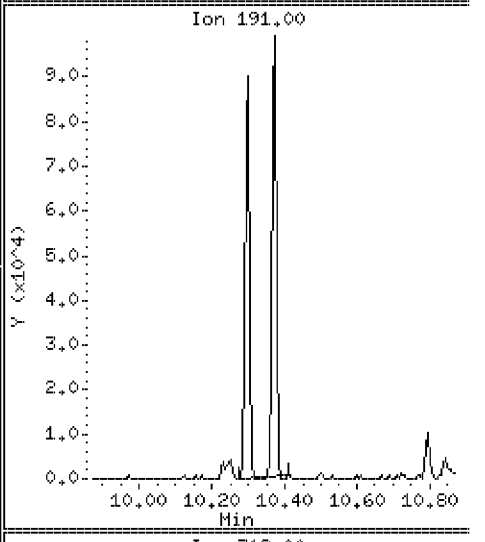
113 Aramite

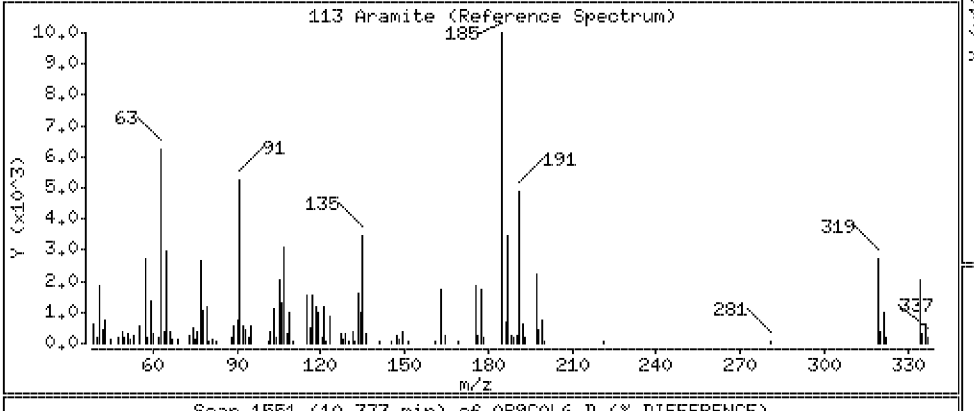
Concentration: 80.8 ug/l

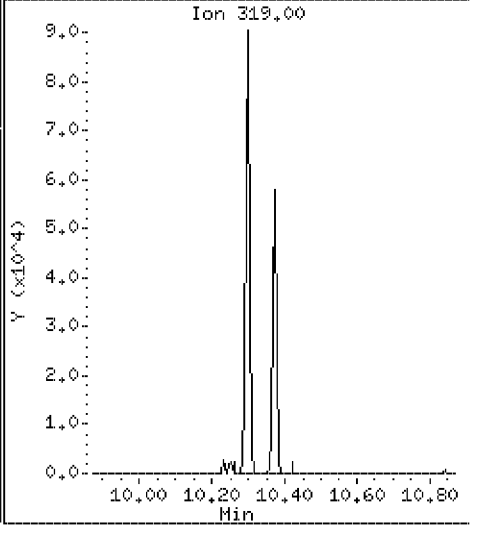


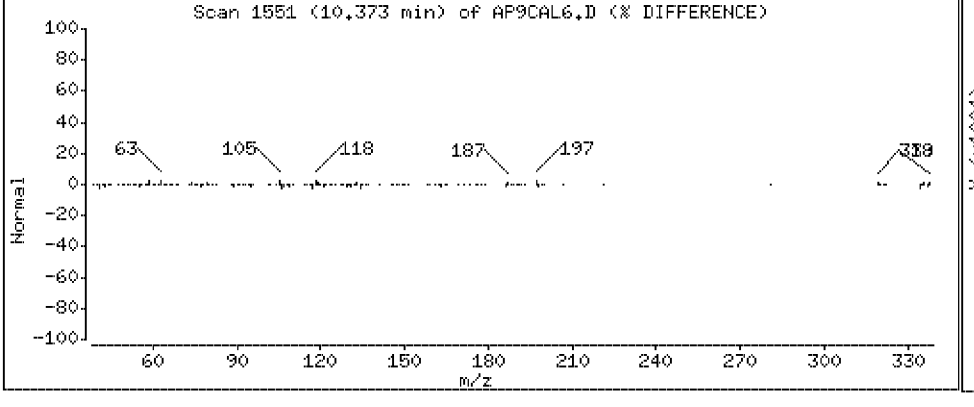












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

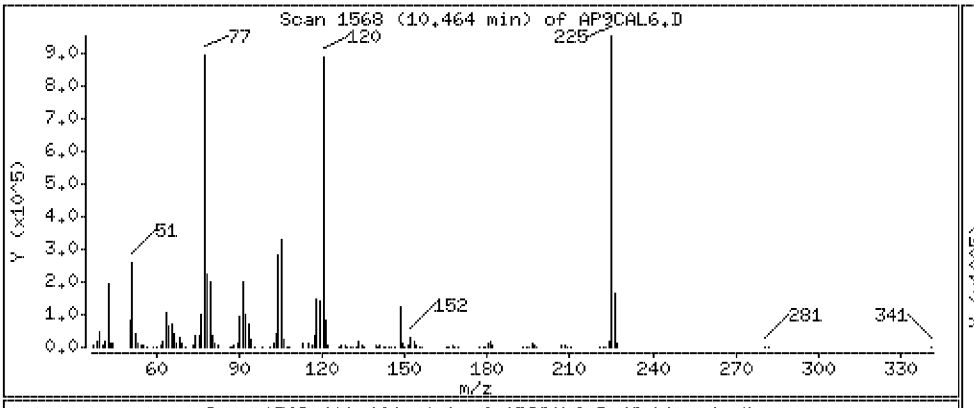
Operator: PEL

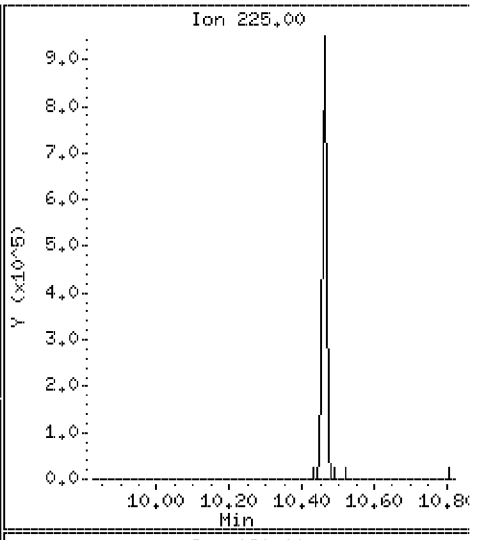
Column phase: HPMS-5

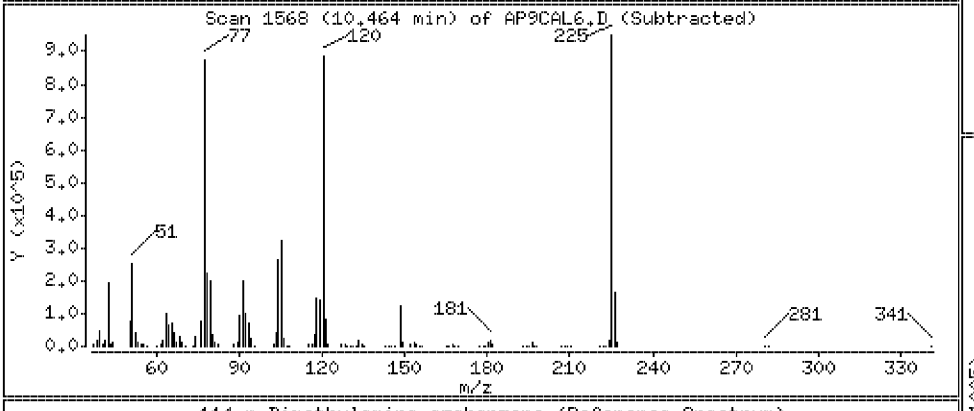
Column diameter: 0.25

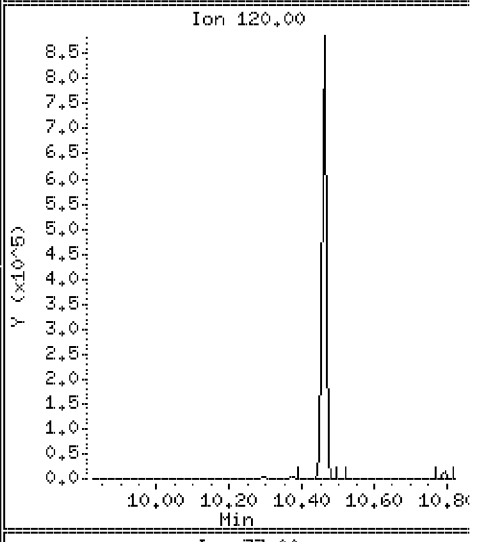
114 p-Dimethylamino azobenzene

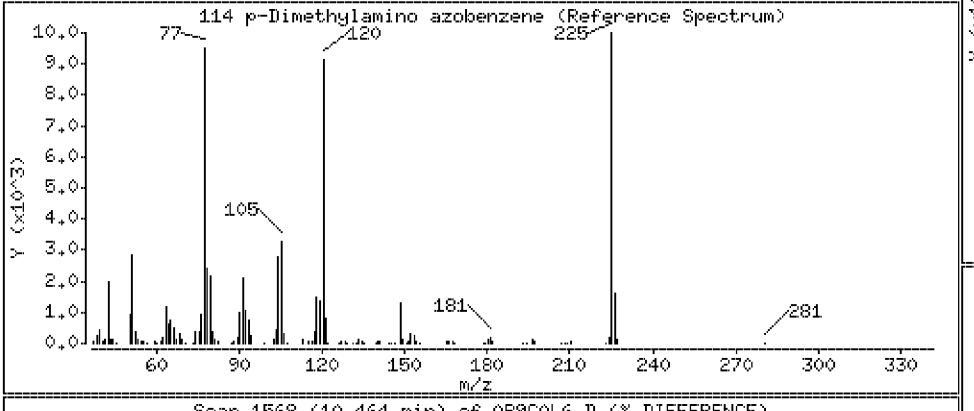
Concentration: 83.4 ug/l

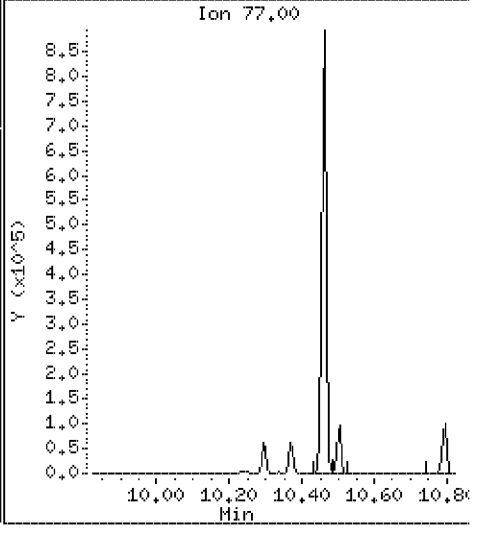


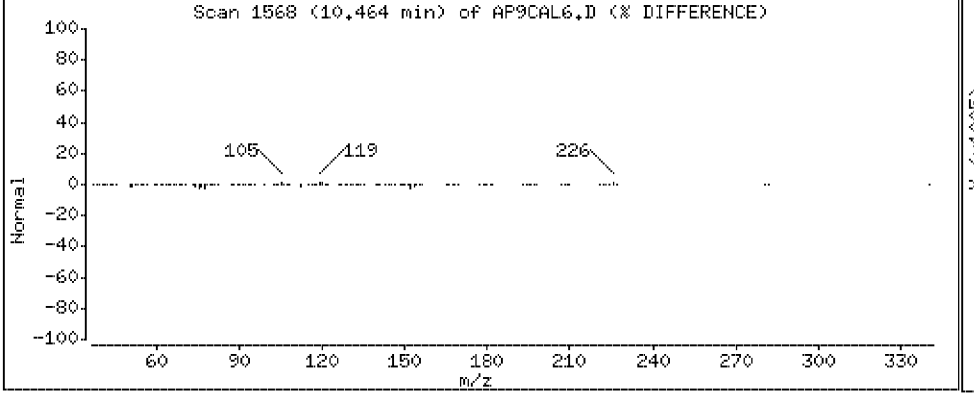












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

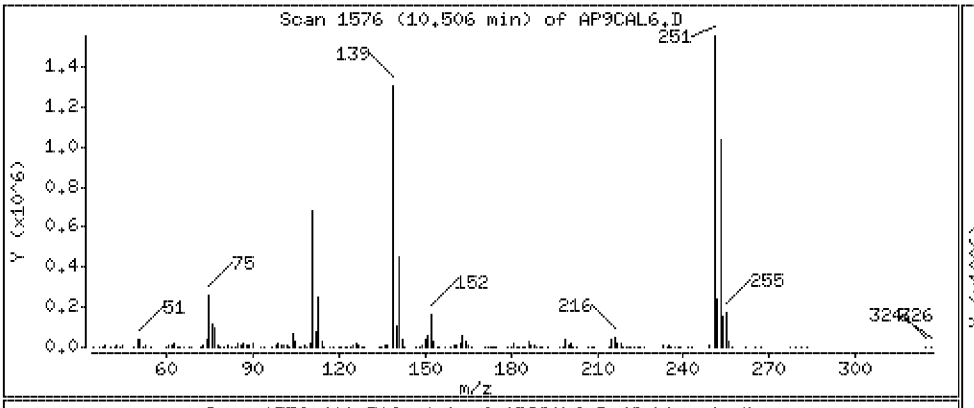
Operator: PEL

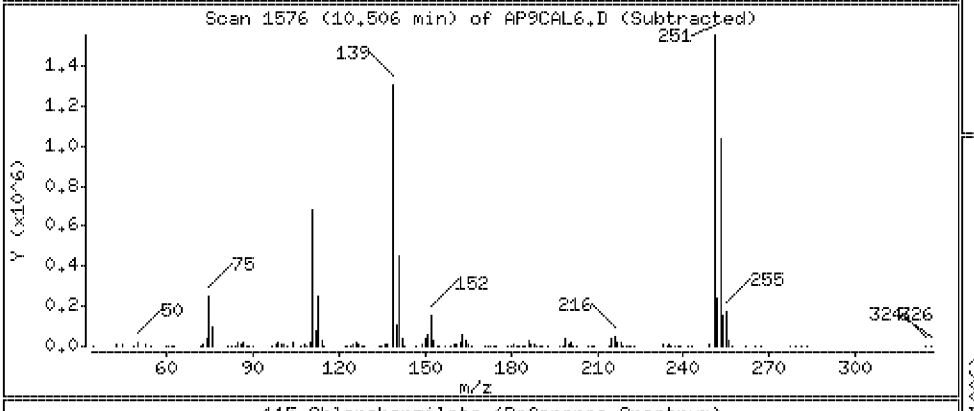
Column phase: HPMS-5

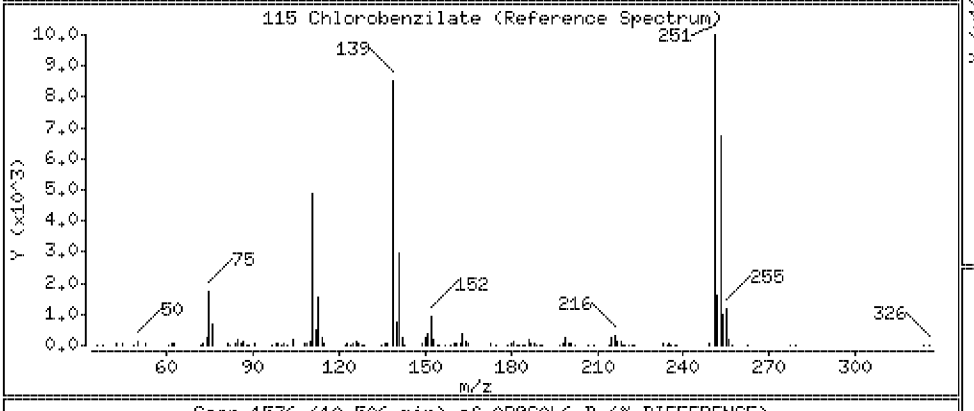
Column diameter: 0.25

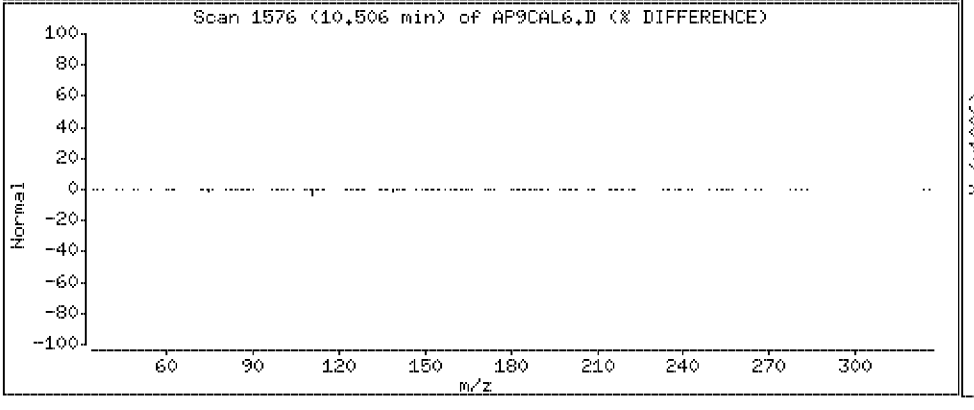
115 Chlorobenzilate

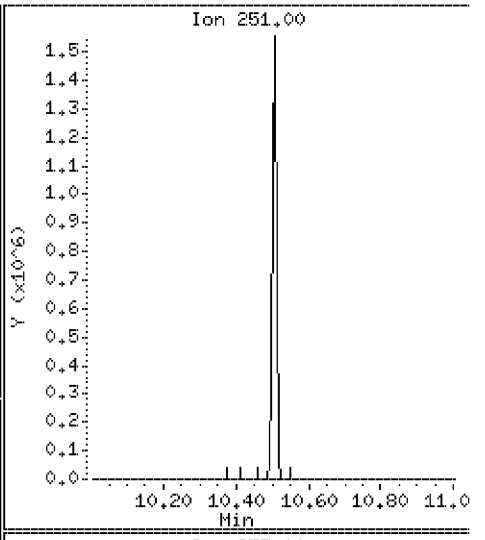
Concentration: 84.3 ug/l

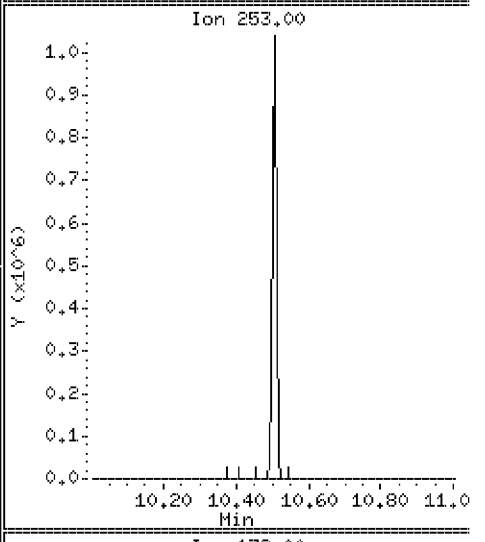


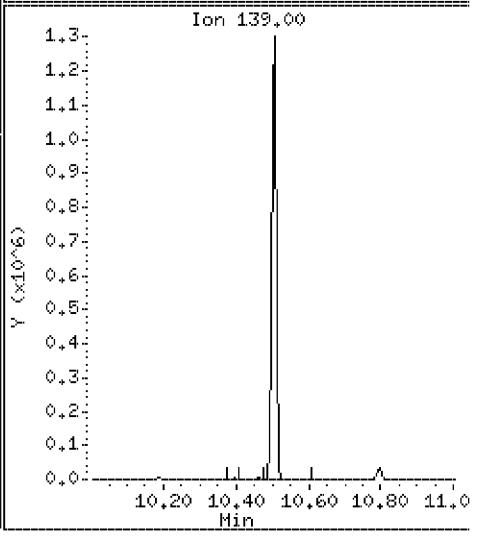












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

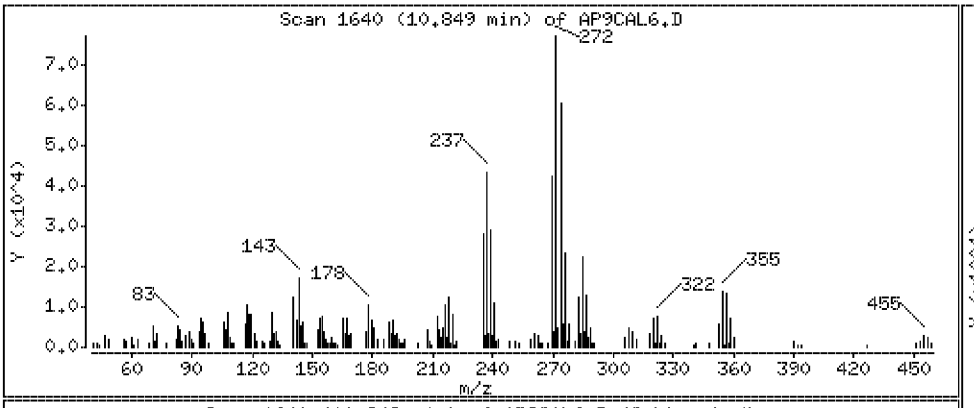
Operator: PEL

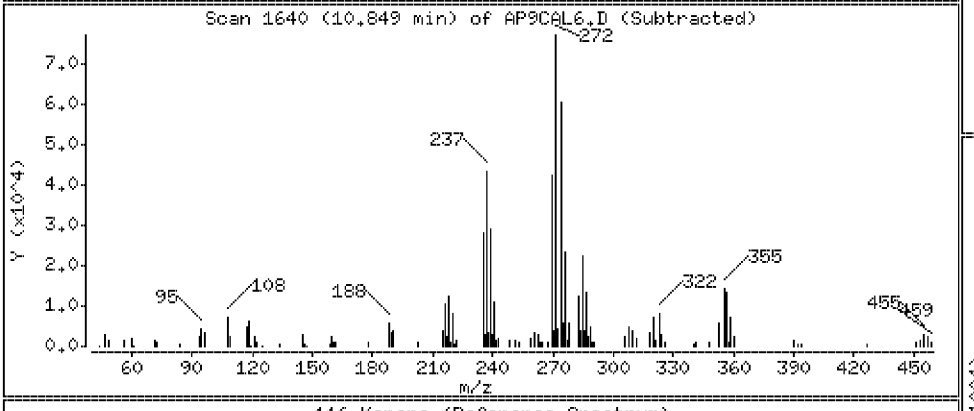
Column phase: HPMS-5

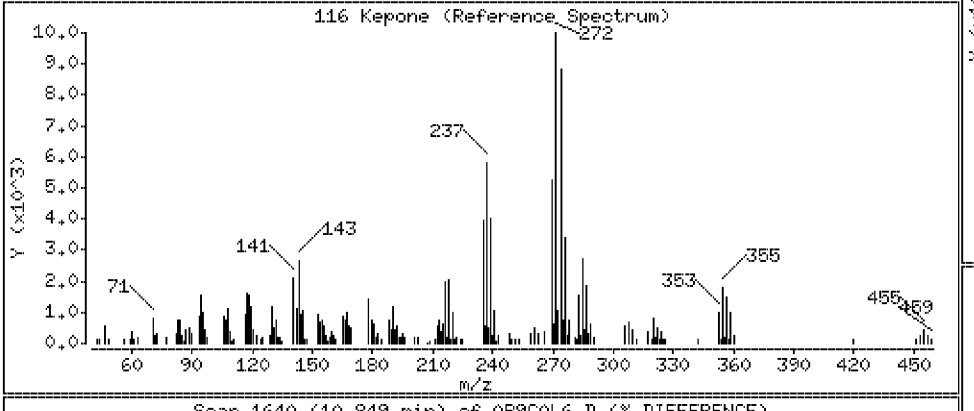
Column diameter: 0.25

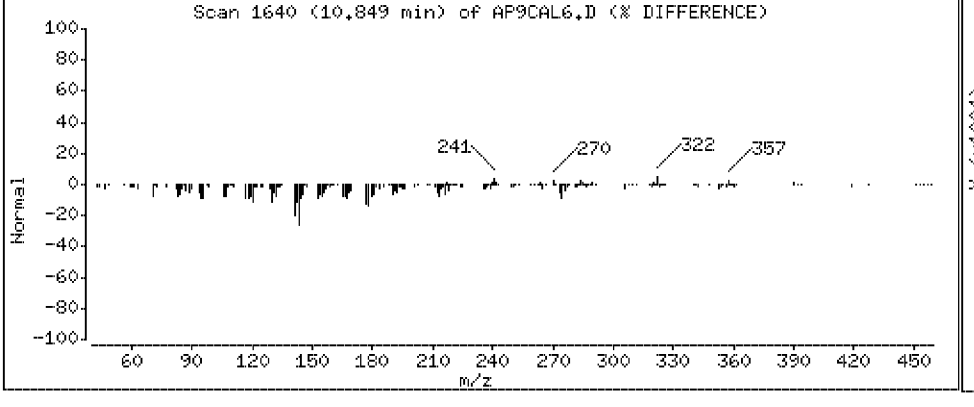
116 Kepone

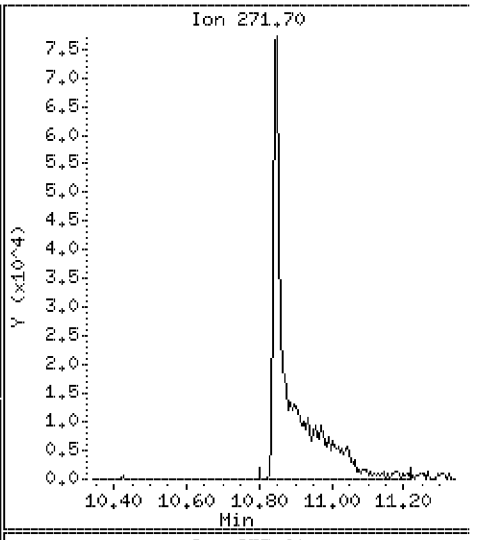
Concentration: 80.5 ug/l

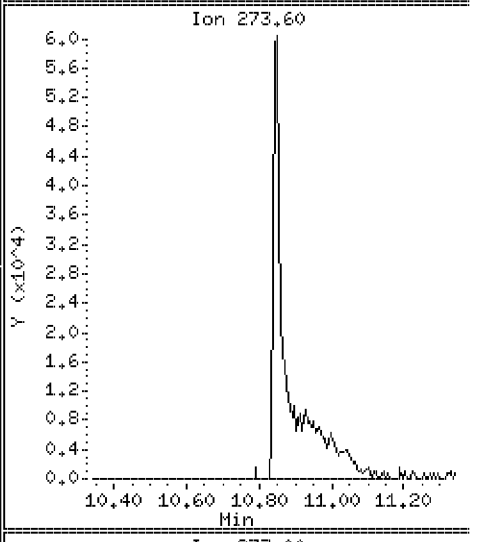


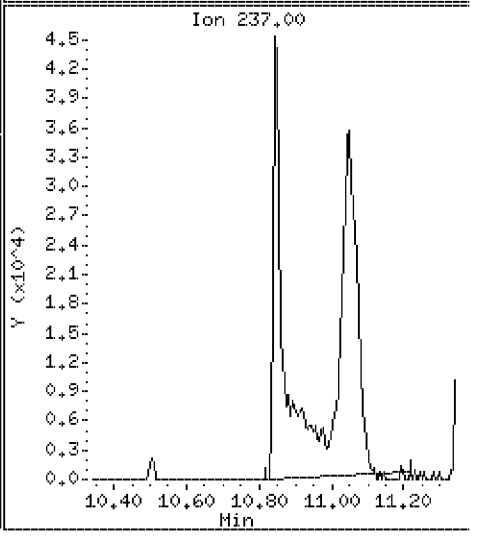












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Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

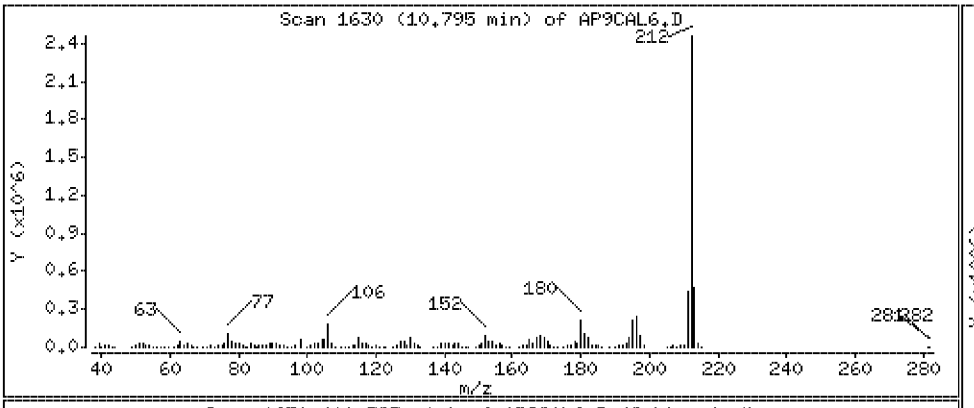
Operator: PEL

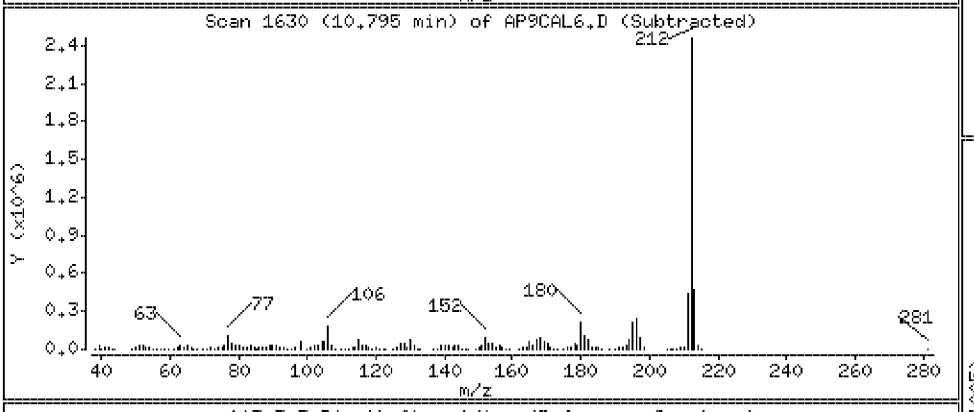
Column phase: HPMS-5

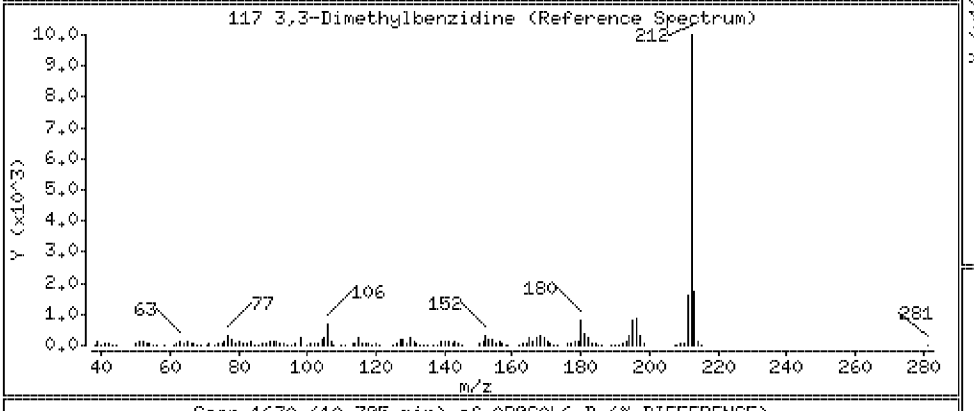
Column diameter: 0.25

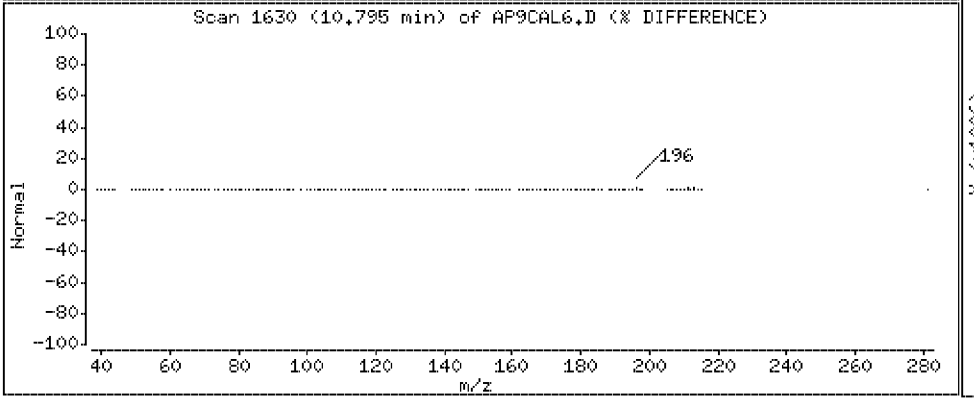
117 3,3-Dimethylbenzidine

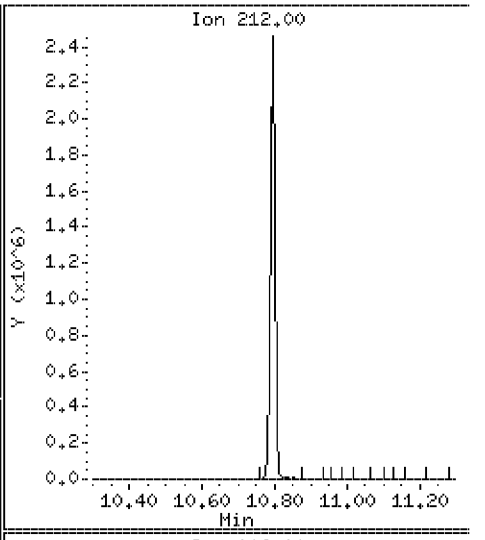
Concentration: 76.3 ug/l

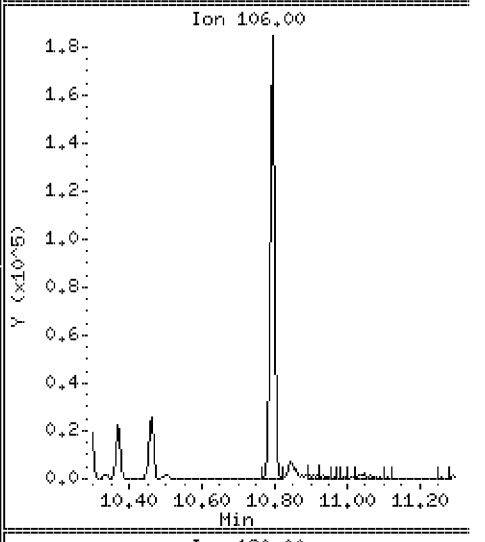


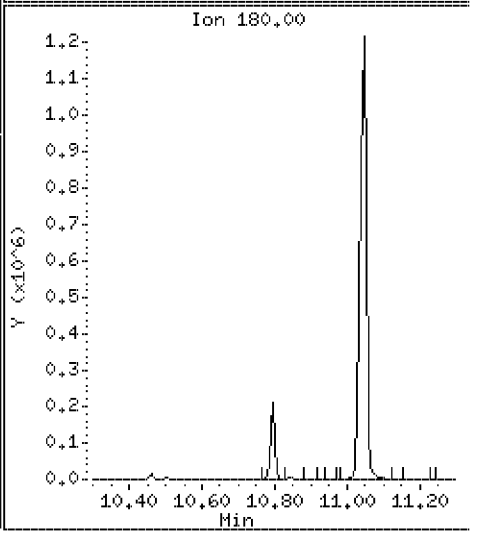












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

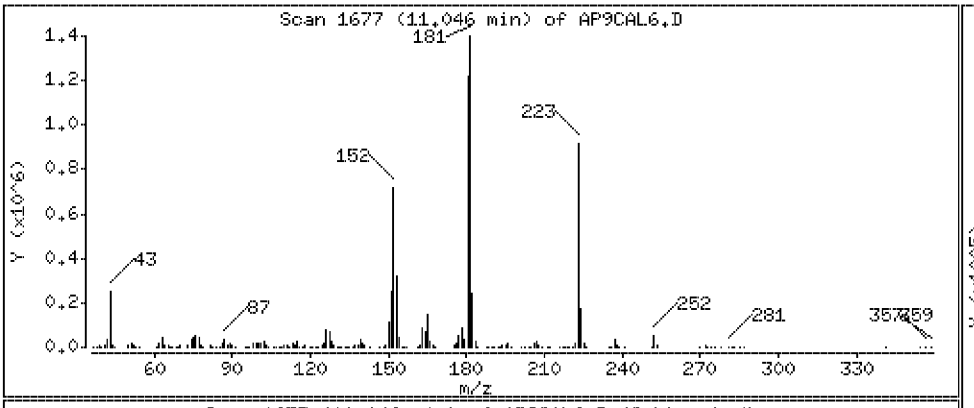
Operator: PEL

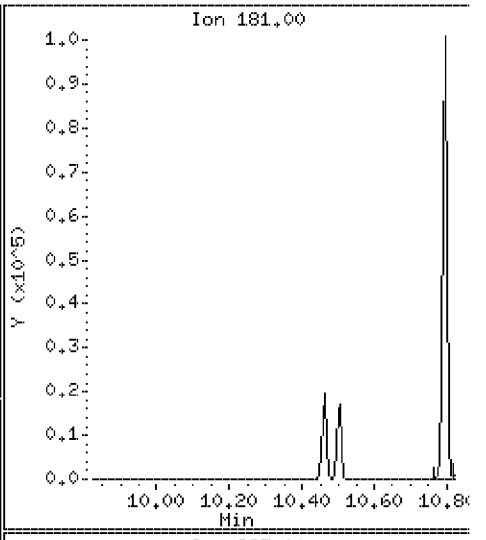
Column phase: HPMS-5

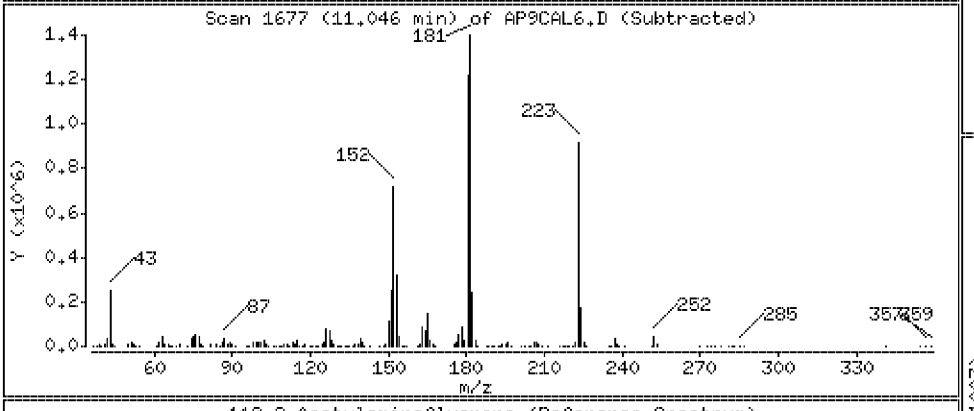
Column diameter: 0.25

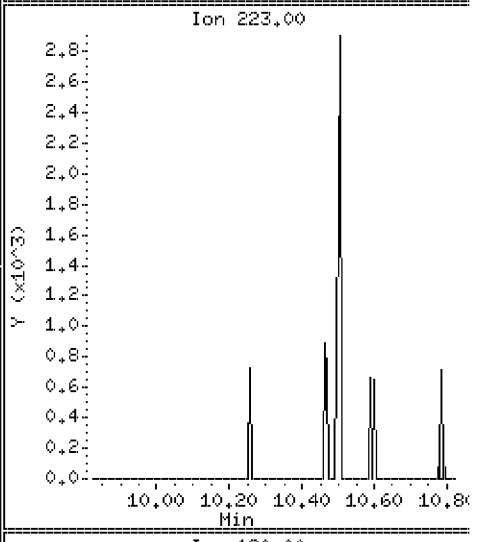
119 2-Acetylaminofluorene

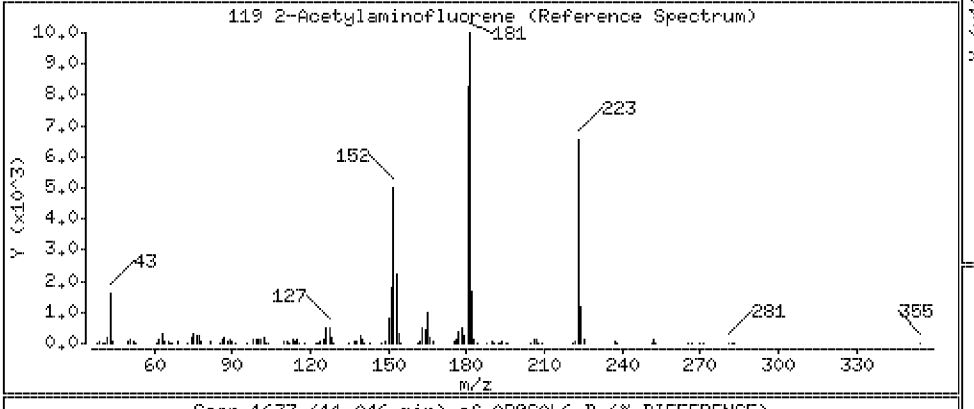
Concentration: 84.6 ug/l

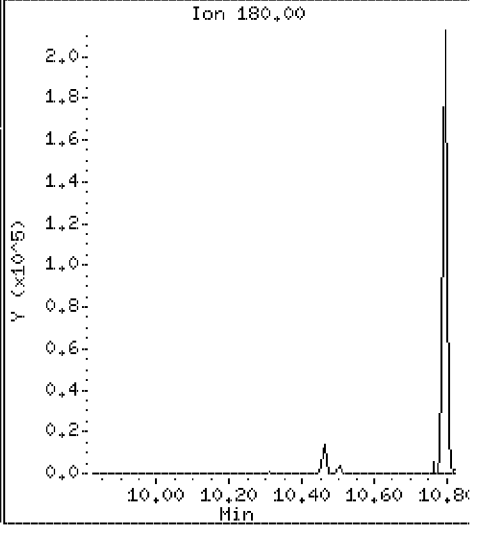


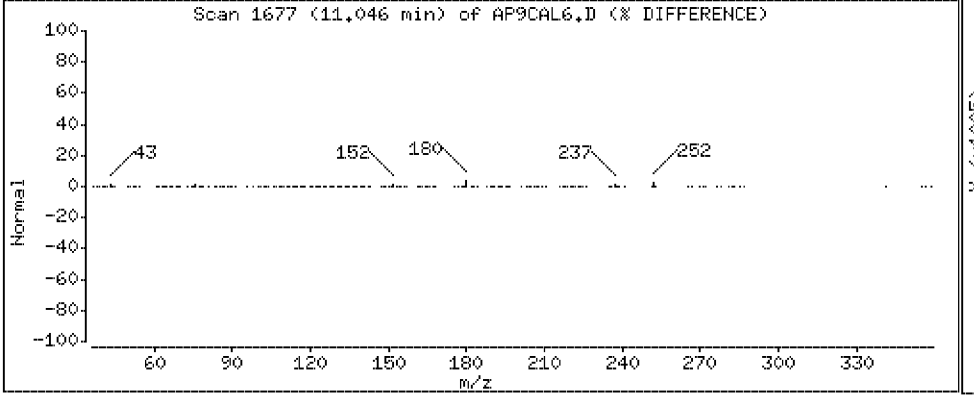












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

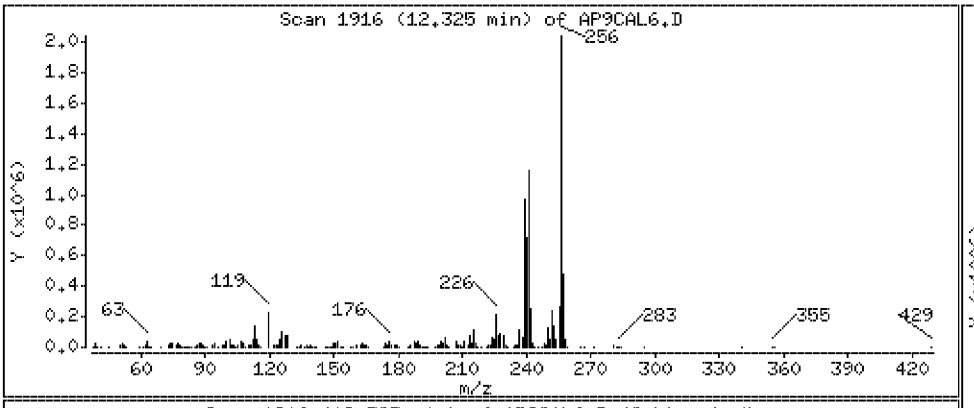
Operator: PEL

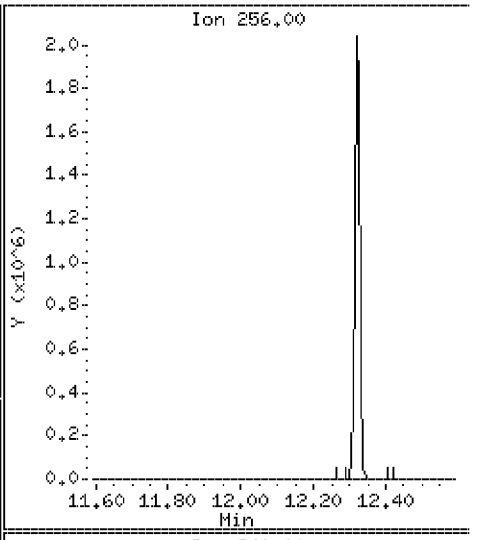
Column phase: HPMS-5

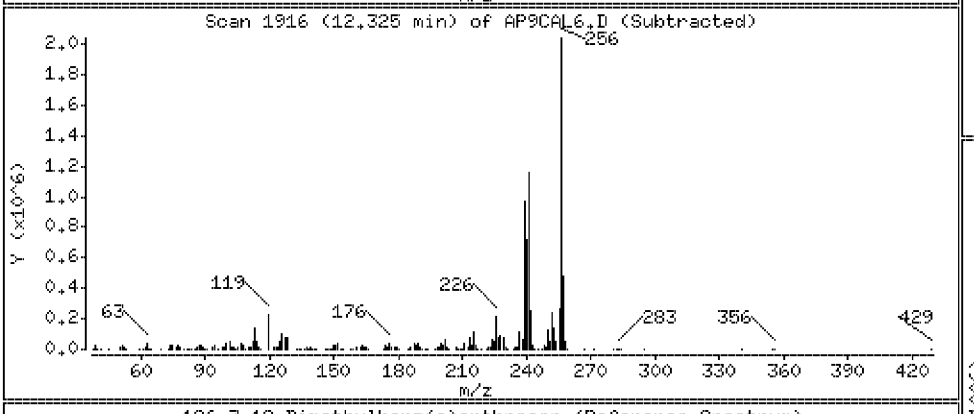
Column diameter: 0.25

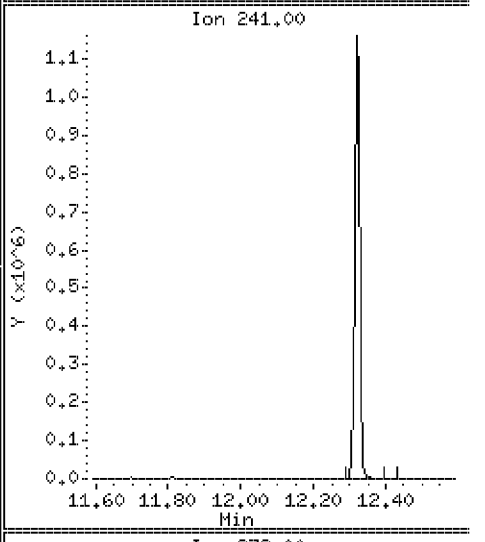
126 7,12-Dimethylbenz(a)anthracen

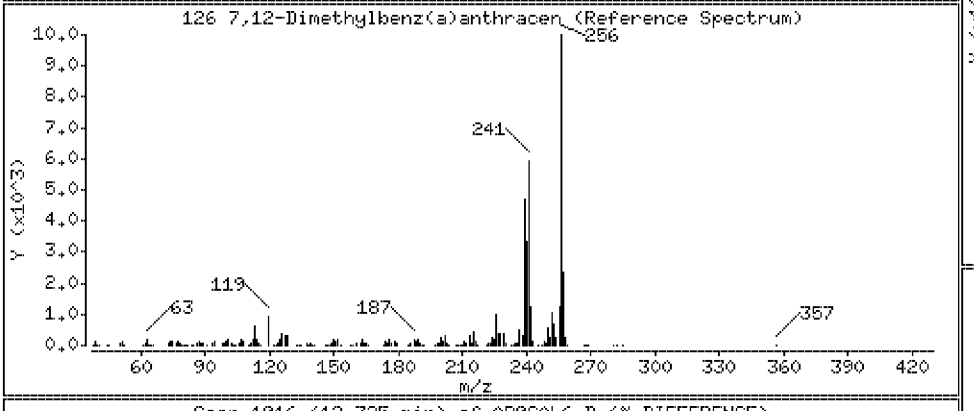
Concentration: 83.6 ug/l

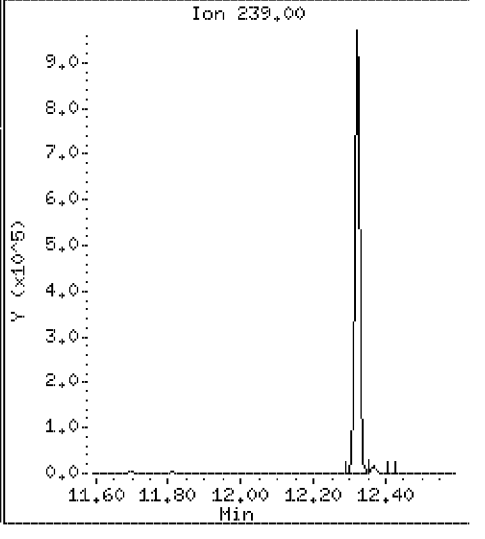


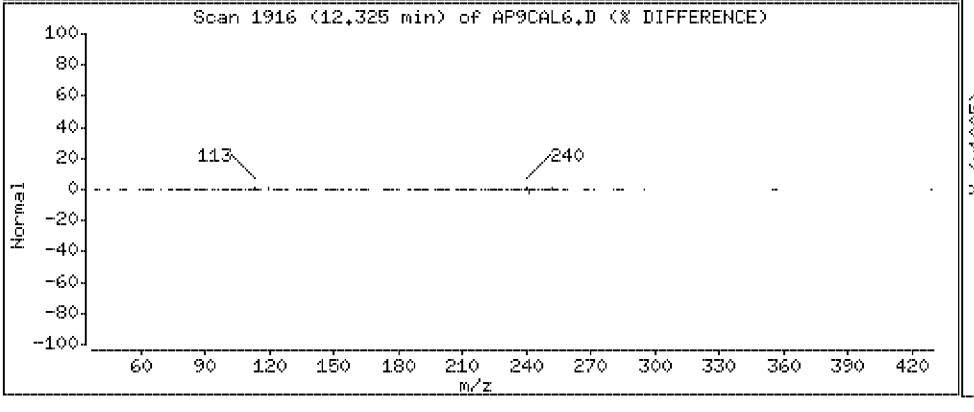












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

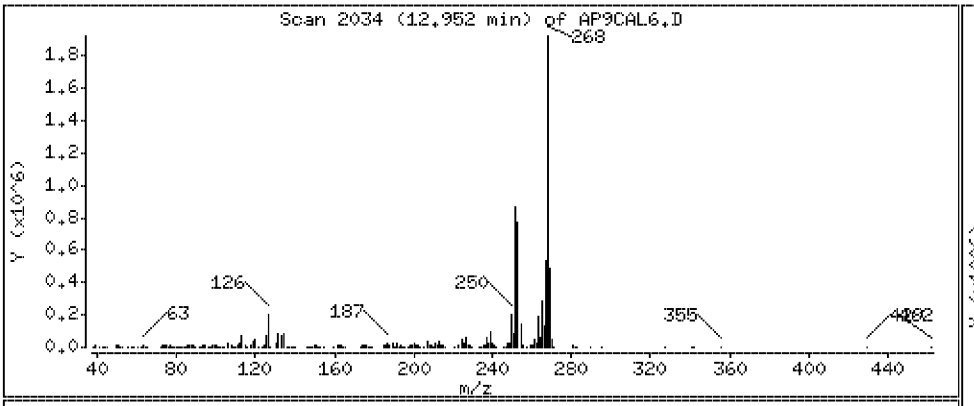
Operator: PEL

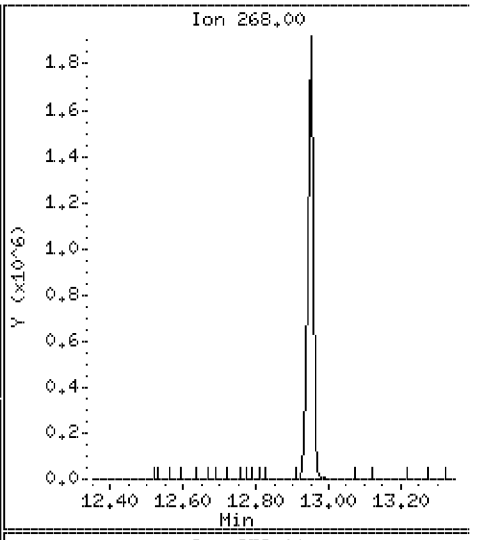
Column phase: HPMS-5

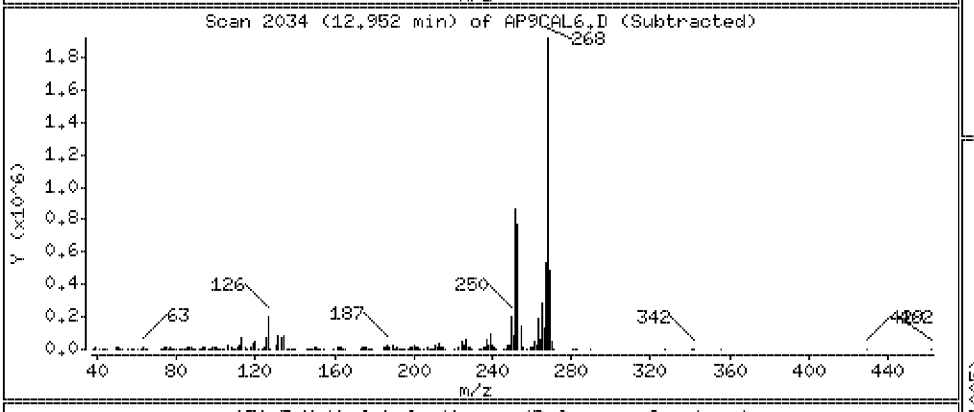
Column diameter: 0.25

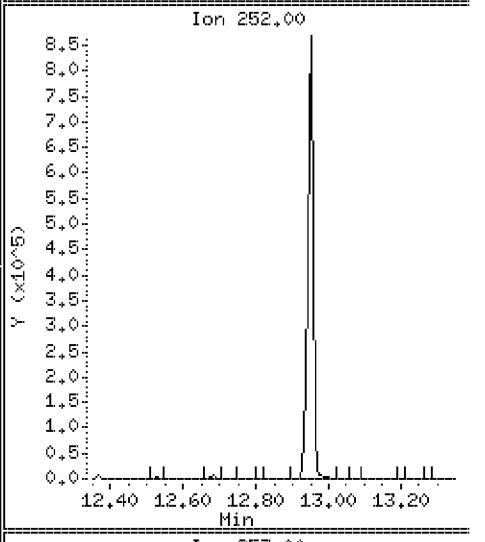
131 3-Methylcholanthrene

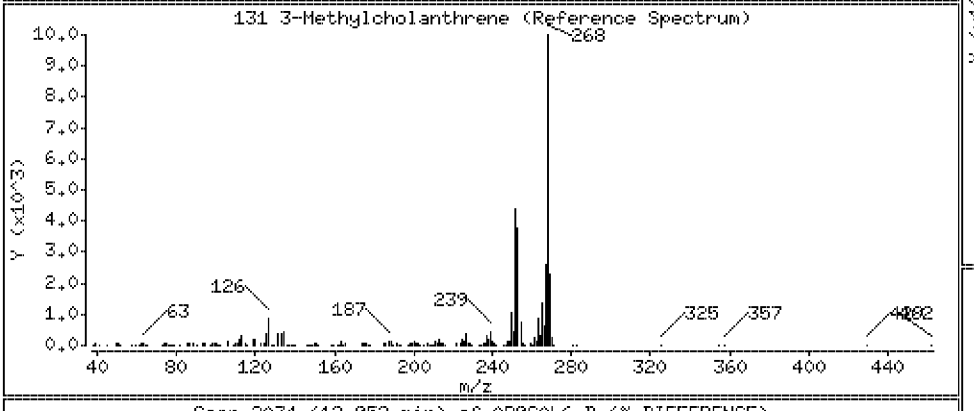
Concentration: 79.6 ug/l

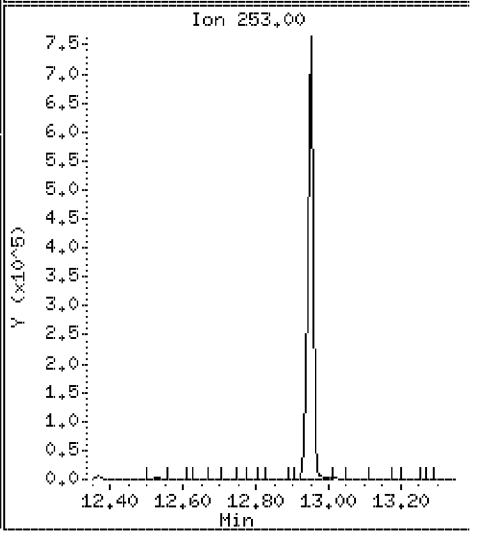


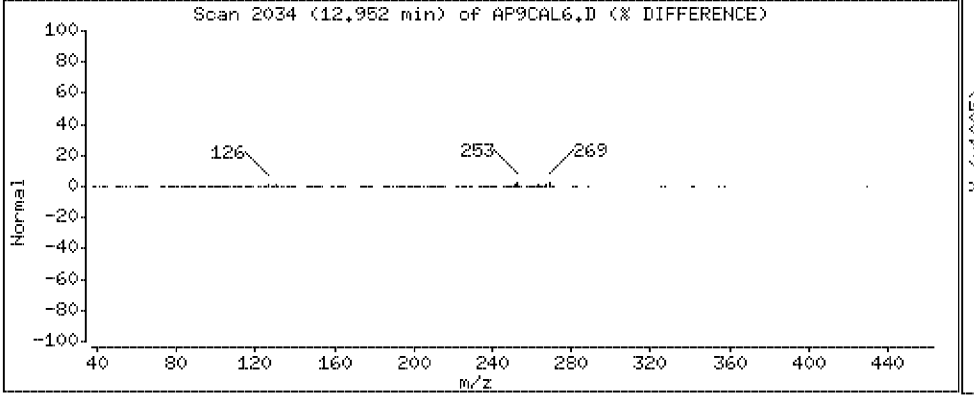












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL6.D

Date : 23-APR-2012 17:30

Client ID: AP9CAL6

Instrument: smsd03.i

Sample Info: 45956

Purge Volume: 1000.0

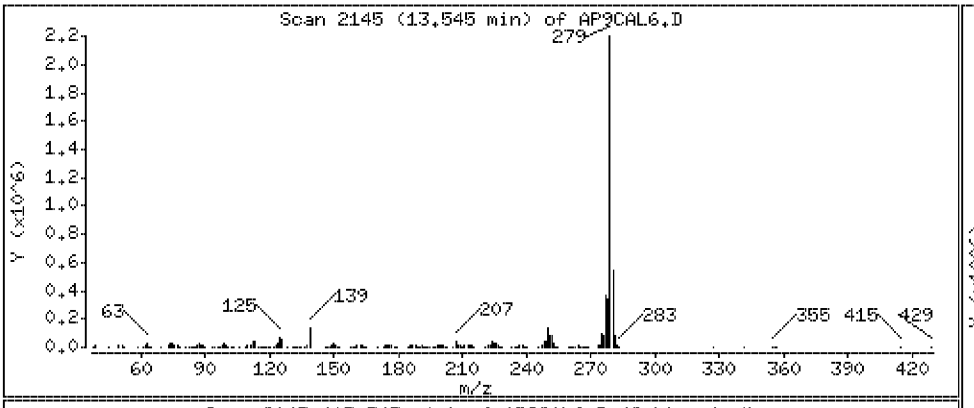
Operator: PEL

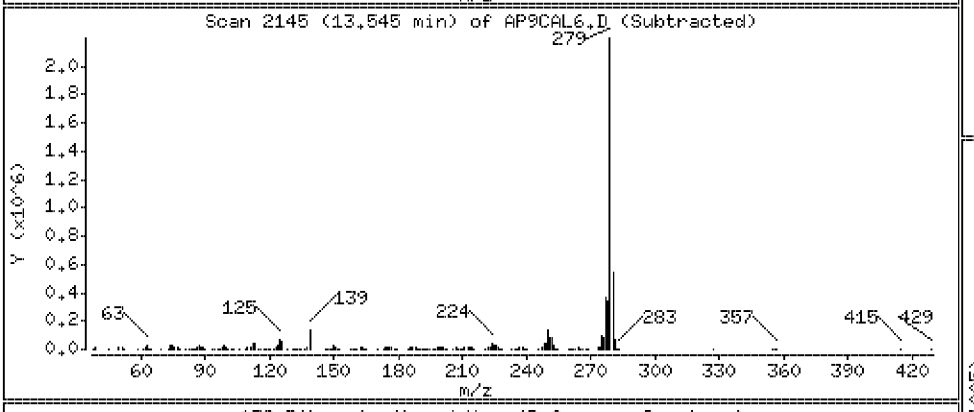
Column phase: HPMS-5

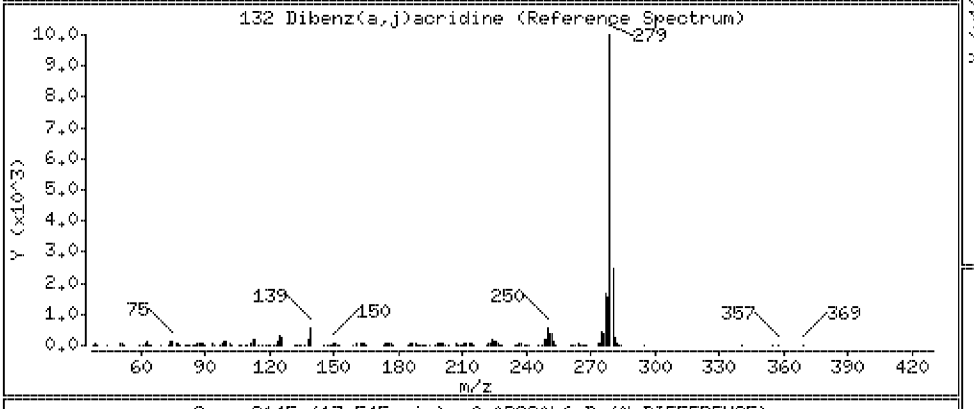
Column diameter: 0.25

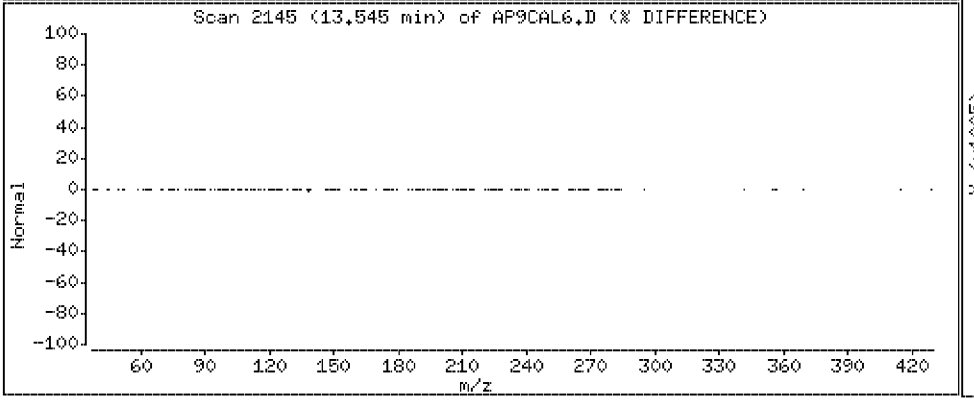
132 Dibenz(a,j)acridine

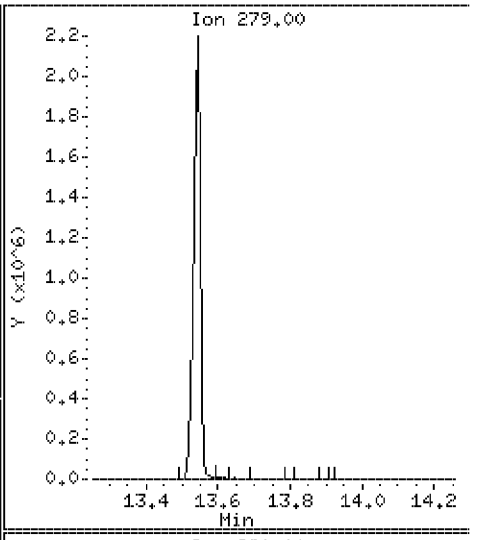
Concentration: 77.5 ug/l

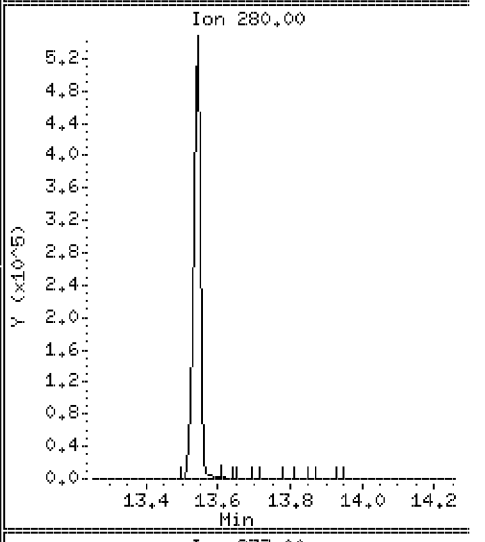


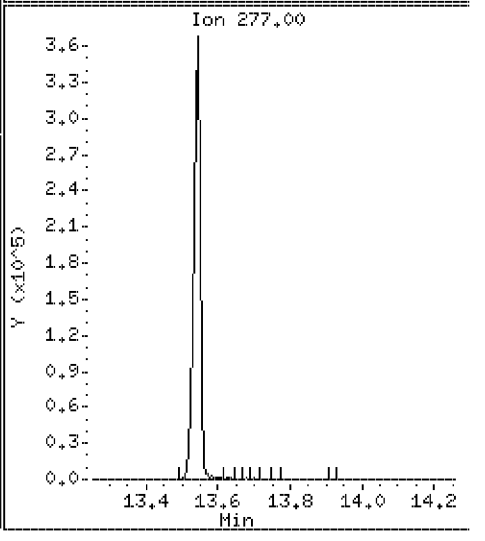












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D
Lab Smp Id: 45957 Client Smp ID: AP9CAL5
Inj Date : 23-APR-2012 17:53 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45957
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:30 Cal File: AP9CAL6.D
Als bottle: 20 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.929	3.382 (0.659)		93	661230	60.0000	60.5	70.00- 130.00	100.00
2.929	3.382 (0.659)		66	326818			46.98- 106.98	49.43
2.929	3.382 (0.659)		92	170698			941.44-1001.44	25.82
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.006	3.005 (0.676)		88	286824	60.0000	61.5	80.00- 120.00	100.00
3.006	3.005 (0.676)		43	136329			16.66- 76.66	47.53
3.005	3.005 (0.676)		42	280689			75.28- 135.28	97.86
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.240	3.383 (0.729)		80	467106	60.0000	60.6	70.00- 130.00	100.00
3.241	3.383 (0.729)		79	274826			41.30- 101.30	58.84
3.240	3.383 (0.729)		65	128010			390.98- 450.98	27.40
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.553	3.383 (0.799)		102	290150	60.0000	62.8	70.00- 130.00	100.00
3.552	3.383 (0.799)		42	197323			4947.35-5007.35	68.01
3.552	3.383 (0.799)		57	121263			172953.97-173013.97	41.79
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.790	4.446 (0.852)		79	478090	60.0000	59.7	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.790	4.446 (0.852)		109	253360			103.08- 163.08	52.99
3.790	4.446 (0.852)		97	91687			71.09- 131.09	19.18
	12 Pentachloroethane						CAS #: 76-01-7	
4.208	4.207 (0.946)		167	281771	60.0000	61.7	80.00- 120.00	100.00
4.207	4.207 (0.946)		117	199949			42.54- 102.54	70.96
4.207	4.207 (0.946)		130	116632			11.81- 71.81	41.39
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.447	4.448 (1.000)		152	298732	40.0000		80.00- 120.00	100.00
4.446	4.448 (1.000)		115	186837			32.20- 92.20	62.54
4.447	4.448 (1.000)		150	446403			139.77- 199.77	149.43
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.789	4.944 (1.077)		100	300018	60.0000	61.6	70.00- 130.00	100.00
4.789	4.944 (1.077)		41	199637			349.38- 409.38	66.54
4.790	4.944 (1.077)		42	187111			7836.39-7896.39	62.37
	25 Acetophenone						CAS #: 98-86-2	
4.802	4.807 (0.856)		105	868211	60.0000	61.5	70.00- 130.00	100.00
4.802	4.807 (0.856)		77	877384			4410.01-4470.01	101.06
4.801	4.807 (0.856)		51	220429			1262.06-1322.06	25.39
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.820	4.446 (1.084)		56	307480	60.0000	61.6	70.00- 130.00	100.00
4.820	4.446 (1.084)		116	110991			116.25- 176.25	36.10
4.820	4.446 (1.084)		86	211709			171.65- 231.65	68.85
	29 o-Toluidine						CAS #: 95-53-4	
4.838	4.814 (1.088)		106	986717	60.0000	62.1	70.00- 130.00	100.00
4.837	4.814 (1.088)		77	235065			36058.41-36118.41	23.82
4.838	4.814 (1.088)		107	743315			76505.71-76565.71	75.33
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.097	4.798 (0.909)		114	264422	60.0000	61.6	70.00- 130.00	100.00
5.096	4.798 (0.909)		42	309524			3934.42-3994.42	117.06
5.096	4.798 (0.909)		55	162184			491.51- 551.51	61.34
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.339	5.338 (1.200)		198	454156	60.0000	63.2	80.00- 120.00	100.00
5.337	5.338 (1.200)		97	298152			34.93- 94.93	65.65
5.337	5.338 (1.200)		65	242956			24.79- 84.79	53.50
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.442	5.370 (0.970)		58	936712	60.0000	62.2	70.00- 130.00	100.00(M)
5.443	5.370 (0.971)		91	295666			64.34- 124.34	31.56
5.443	5.370 (0.971)		65	160214			12409.05-12469.05	17.10
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.608	5.610 (1.000)		136	988043	40.0000		80.00- 120.00	100.00
5.607	5.610 (1.000)		68	49973			0.00- 35.51	5.06

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol							CAS #: 87-65-0	
5.694	5.691	(1.015)	162	519272	60.0000	62.8	70.00- 130.00	100.00
5.693	5.691	(1.015)	63	394092			8424.37-8484.37	75.89
5.693	5.691	(1.015)	98	143122			164.07- 224.07	27.56
47 Hexachloropropene							CAS #: 1888-71-7	
5.714	5.712	(1.019)	213	689674	60.0000	62.7	80.00- 120.00	100.00
5.714	5.712	(1.019)	215	438595			34.61- 94.61	63.59
5.712	5.712	(1.019)	117	135537			0.00- 50.39	19.65
49 N-Nitrosodi-n-butylamine							CAS #: 924-16-3	
5.994	6.287	(1.069)	84	496752	60.0000	62.4	70.00- 130.00	100.00
5.993	6.287	(1.069)	57	294067			1288.18-1348.18	59.20
5.993	6.287	(1.069)	41	251977			66.46- 126.46	50.72
52 Isosafrole							CAS #: 120-58-1	
6.201	6.619	(1.106)	162	495230	60.0000	61.8	70.00- 130.00	100.00
6.201	6.619	(1.106)	104	357435			0.00- 46.22	72.18
6.201	6.619	(1.106)	131	243524			37.69- 97.69	49.17
56 1,2,4,5-Tetrachlorobenzene							CAS #: 95-94-3	
6.453	6.452	(0.884)	216	797183	60.0000	62.7	80.00- 120.00	100.00
6.453	6.452	(0.884)	214	618791			48.19- 108.19	77.62
6.452	6.452	(0.883)	108	138086			0.00- 47.81	17.32
60 Safrole							CAS #: 94-59-7	
6.704	6.619	(1.195)	162	481751	60.0000	64.1	70.00- 130.00	100.00
6.703	6.619	(1.195)	104	296680			0.00- 46.22	61.58
6.703	6.619	(1.195)	77	188035			0.00- 57.00	39.03
64 1,4-Naphthoquinone							CAS #: 130-15-4	
6.933	6.642	(0.949)	158	460979	60.0000	64.2	70.00- 130.00	100.00
6.932	6.642	(0.949)	102	399624			523.56- 583.56	86.69
6.933	6.642	(0.949)	130	207935			0.00- 46.52	45.11
66 1,3-Dinitrobenzene							CAS #: 99-65-0	
7.070	7.368	(0.968)	168	215652	60.0000	63.5	70.00- 130.00	100.00
7.069	7.368	(0.968)	75	275820			98.40- 158.40	127.90
7.068	7.368	(0.968)	50	159266			177.84- 237.84	73.85
* 70 Acenaphthene-d10							CAS #: 15067-26-2	
7.303	7.305	(1.000)	164	671117	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	649076			64.73- 124.73	96.72
7.303	7.305	(1.000)	160	296512			12.46- 72.46	44.18
73 Pentachlorobenzene							CAS #: 608-93-5	
7.468	7.467	(1.023)	250	782775	60.0000	63.1	80.00- 120.00	100.00
7.468	7.467	(1.023)	252	505686			34.92- 94.92	64.60
7.467	7.467	(1.022)	108	213436			0.00- 56.94	27.27
77 1-Naphthylamine							CAS #: 134-32-7	
7.582	7.837	(1.038)	143	729811	60.0000	62.2	70.00- 130.00	100.00
7.582	7.837	(1.038)	115	416965			7143.21-7203.21	57.13

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	77 1-Naphthylamine (continued)							
7.582	7.837 (1.038)		89	82438			2068.79-2128.79	11.30
	78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2	
7.636	7.634 (1.046)		232	428810	60.0000	63.0	70.00- 130.00	100.00
7.634	7.634 (1.045)		168	115252			42.05- 102.05	26.88
7.634	7.634 (1.045)		131	176527			9.10- 69.10	41.17
	79 2-Naphthylamine						CAS #: 91-59-8	
7.662	7.837 (1.049)		143	955969	60.0000	62.1	70.00- 130.00	100.00
7.661	7.837 (1.049)		115	544390			7143.21-7203.21	56.95
7.661	7.837 (1.049)		116	213086			667.96- 727.96	22.29
	83 5-Nitro-ortho-toluidine						CAS #: 99-55-8	
7.858	7.896 (1.076)		152	379299	60.0000	63.5	70.00- 130.00	100.00
7.858	7.896 (1.076)		106	275127			505.60- 565.60	72.54
7.857	7.896 (1.076)		77	472016			735.48- 795.48	124.44
	90 1,3,5-Trinitrobenzene						CAS #: 99-35-4	
8.219	8.152 (1.125)		75	967531	60.0000	58.3	70.00- 130.00	100.00
8.219	8.152 (1.125)		74	601997			50.14- 110.14	62.22
8.220	8.152 (1.126)		213	343167			40.88- 100.88	35.47
	89 Diallate						CAS #: 2303-16-4	
8.231	8.081 (1.127)		86	520491	60.0000	62.4	70.00- 130.00	100.00(M)
8.231	8.081 (1.127)		43	505021			0.00- 38.70	97.03
8.236	8.081 (1.128)		234	344226			0.00- 39.00	66.13
	92 Phenacetin						CAS #: 62-44-2	
8.268	8.384 (0.944)		109	567067	60.0000	60.0	70.00- 130.00	100.00
8.268	8.384 (0.944)		108	665628			77.38- 137.38	117.38
8.269	8.384 (0.944)		179	385244			133.19- 193.19	67.94
	91 p-Phenylenediamine						CAS #: 106-50-3	
8.268	8.082 (0.944)		108	665628	60.0000	64.4	70.00- 130.00	100.00
8.268	8.082 (0.944)		80	186775			1858.68-1918.68	28.06
8.268	8.082 (0.944)		53	84257			5306.16-5366.16	12.66
	97 Pentachloronitrobenzene						CAS #: 82-68-8	
8.590	8.589 (0.980)		237	310871	60.0000	63.9	80.00- 120.00	100.00
8.590	8.589 (0.981)		295	121653			7.36- 67.36	39.13
8.589	8.589 (0.980)		142	221827			42.99- 102.99	71.36
	98 4-Aminobiphenyl						CAS #: 92-67-1	
8.577	8.584 (0.979)		169	1450589	60.0000	61.9	70.00- 130.00	100.00
8.577	8.584 (0.979)		168	322372			0.00- 49.63	22.22
8.577	8.584 (0.979)		115	181243			0.00- 40.98	12.49
	99 Pronamide						CAS #: 23950-58-5	
8.634	8.781 (0.986)		173	735075	60.0000	63.1	70.00- 130.00	100.00
8.634	8.781 (0.986)		175	475527			2051.90-2111.90	64.69
8.634	8.781 (0.985)		145	283232			63.94- 123.94	38.53

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.761	8.761	(1.000)	188	1355530	40.0000		80.00- 120.00	100.00
8.760	8.761	(1.000)	94	92642			0.00- 36.35	6.83
8.759	8.761	(1.000)	80	114493			0.00- 37.82	8.45
102 Dinoseb							CAS #: 88-85-7	
8.755	8.753	(0.999)	211	470584	60.0000	59.8	80.00- 120.00	100.00
8.755	8.753	(0.999)	163	177982			7.77- 67.77	37.82
8.754	8.753	(0.999)	117	101432			0.00- 52.05	21.55
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.544	9.334	(1.089)	174	17550	60.0000	58.1	70.00- 130.00	100.00
9.544	9.334	(1.089)	128	39536			429.24- 489.24	225.28
9.544	9.334	(1.089)	101	64046			988.96-1048.96	364.93
107 Methapyrilene							CAS #: 91-80-5	
9.610	10.322	(1.097)	97	29428	60.0000	64.8	70.00- 130.00	100.00
9.610	10.322	(1.097)	58	29142			11.52- 71.52	99.03
9.613	10.322	(1.097)	191	4566			0.00- 52.18	15.52
108 Isodrin							CAS #: 465-73-6	
9.802	10.279	(1.119)	193	251322	60.0000	60.8	70.00- 130.00	100.00
9.801	10.279	(1.119)	66	229957			17952.44-18012.44	91.50
9.802	10.279	(1.119)	195	213931			1135.23-1195.23	85.12
113 Aramite							CAS #: 140-57-8	
10.368	10.370	(0.913)	185	236266	60.0000	62.1	80.00- 120.00	100.00(M)
10.368	10.370	(0.913)	191	119912			21.78- 81.78	50.75
10.298	10.370	(0.907)	319	86387			6.67- 66.67	36.56
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.462	10.323	(0.921)	225	592870	60.0000	63.2	70.00- 130.00	100.00
10.461	10.323	(0.921)	120	568700			99.50- 159.50	95.92
10.460	10.323	(0.921)	77	610509			9.48- 69.48	102.98
115 Chlorobenzilate							CAS #: 510-15-6	
10.505	10.503	(0.925)	251	919028	60.0000	63.4	80.00- 120.00	100.00
10.505	10.503	(0.925)	253	604979			35.78- 95.78	65.83
10.503	10.503	(0.925)	139	834578			60.72- 120.72	90.81
116 Kepone							CAS #: 143-50-0	
10.843	10.840	(0.955)	272	159105	60.0000	64.1	80.00- 120.00	100.00(M)
10.843	10.840	(0.955)	274	123320			51.74- 111.74	77.51
10.843	10.840	(0.955)	237	145619			0.00- 59.52	91.52
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.794	10.799	(0.951)	212	1797568	60.0000	63.1	70.00- 130.00	100.00
10.793	10.799	(0.951)	106	122981			2299.94-2359.94	6.84
10.794	10.799	(0.951)	180	140762			6.44- 66.44	7.83
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.044	10.324	(0.973)	181	1055355	60.0000	64.2	70.00- 130.00	100.00
11.044	10.324	(0.973)	223	683404			491.83- 551.83	64.76

				AMOUNTS				
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
119 2-Acetylaminofluorene (continued)								
11.044	10.324	(0.973)	180	901087			639.65- 699.65	85.38
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.354	11.359	(1.000)	240	1594383	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	83130			0.00- 36.38	5.21
11.354	11.359	(1.000)	236	426988			0.00- 57.06	26.78
126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.322	12.088	(0.972)	256	1408186	60.0000	63.5	70.00- 130.00	100.00
12.322	12.088	(0.972)	241	807969			77.87- 137.87	57.38
12.322	12.088	(0.972)	239	654701			73.24- 133.24	46.49
* 130 Perylene-d12						CAS #: 1520-96-3		
12.679	12.682	(1.000)	264	1557275	40.0000		80.00- 120.00	100.00
12.679	12.682	(1.000)	260	380789			0.00- 54.80	24.45
12.679	12.682	(1.000)	265	357749			0.00- 53.39	22.97
131 3-Methylcholanthrene						CAS #: 56-49-5		
12.948	12.847	(1.021)	268	1574139	60.0000	63.0	70.00- 130.00	100.00
12.948	12.847	(1.021)	252	686686			13.23- 73.23	43.62
12.948	12.847	(1.021)	253	601758			6.61- 66.61	38.23
132 Dibenz(a,j)acridine						CAS #: 224-42-0		
13.540	13.755	(1.068)	279	2254872	60.0000	62.8	70.00- 130.00	100.00
13.540	13.755	(1.068)	280	540946			0.00- 41.79	23.99
13.540	13.755	(1.068)	277	351033			93.47- 153.47	15.57

QC Flag Legend

M - Compound response manually integrated.

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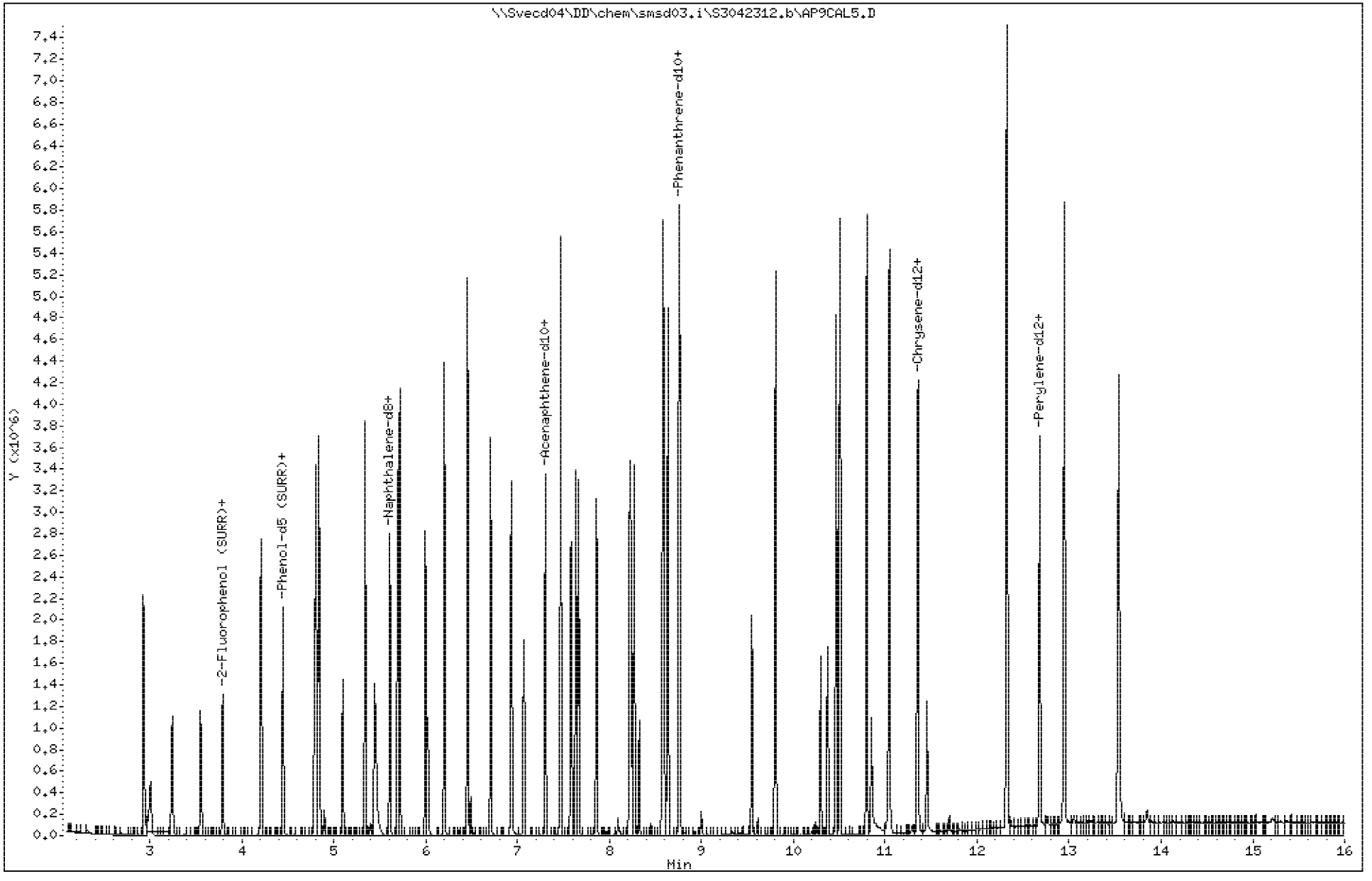
Client ID: AP9CAL5
Instrument: smsd03.i
Sample Info: 45957
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1723

3505835



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Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

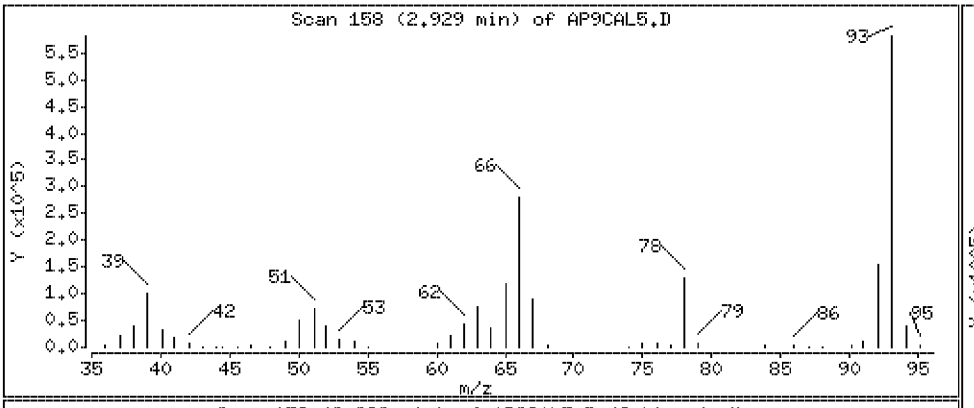
Operator: PEL

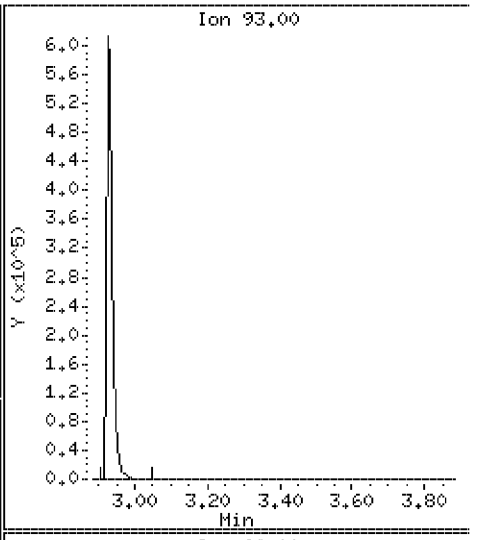
Column phase: HPMS-5

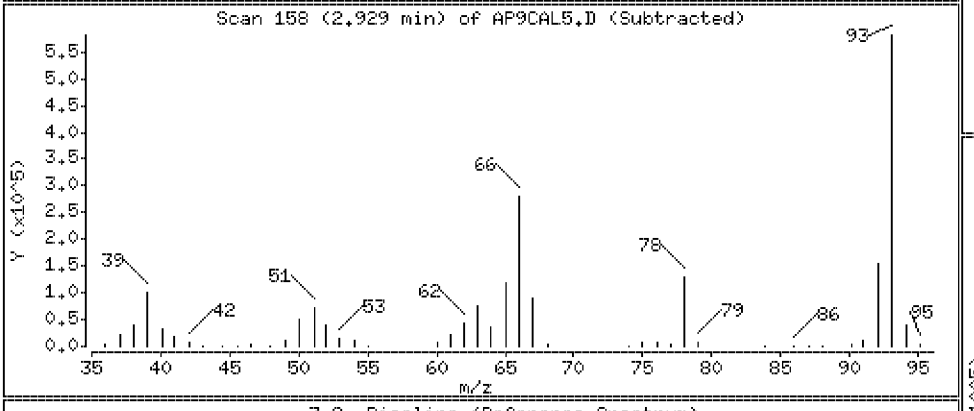
Column diameter: 0.25

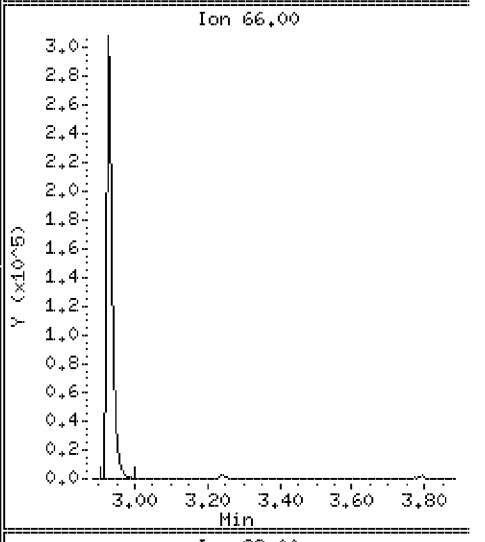
3 2- Picoline

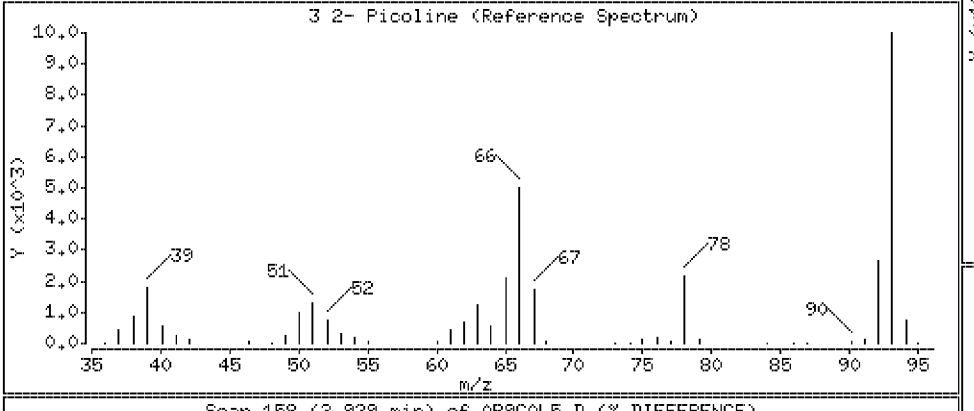
Concentration: 60.5 ug/l

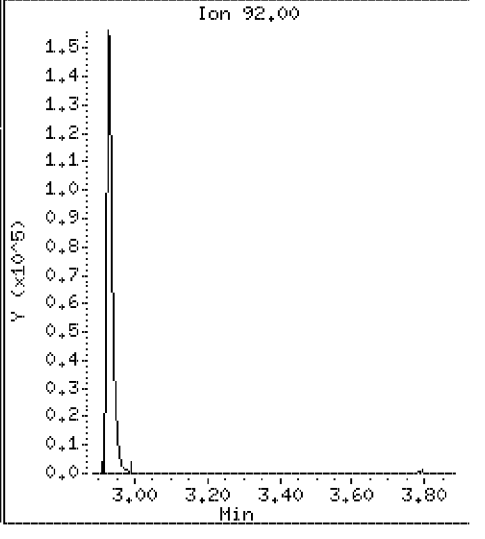


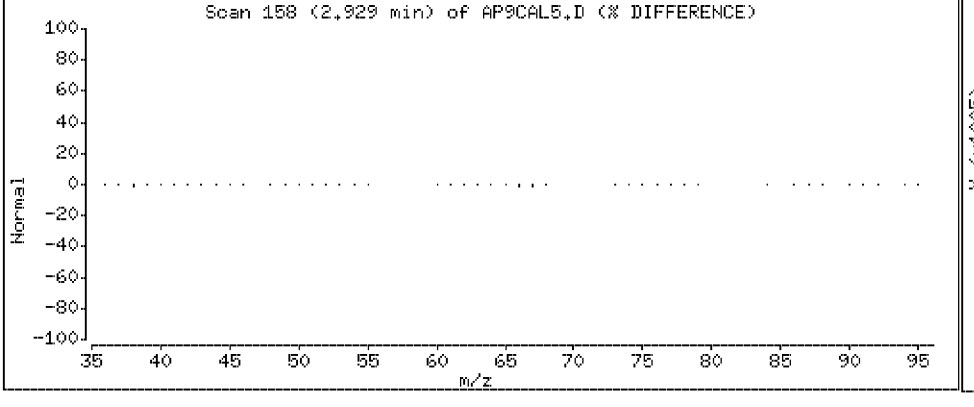












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

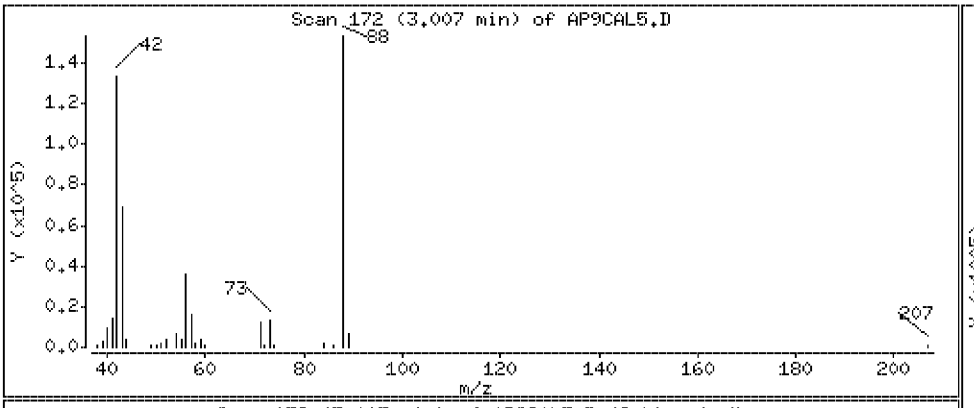
Operator: PEL

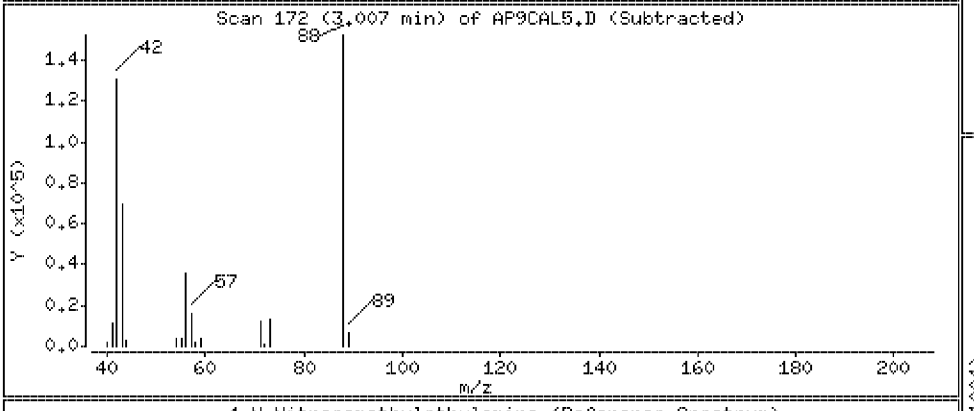
Column phase: HPMS-5

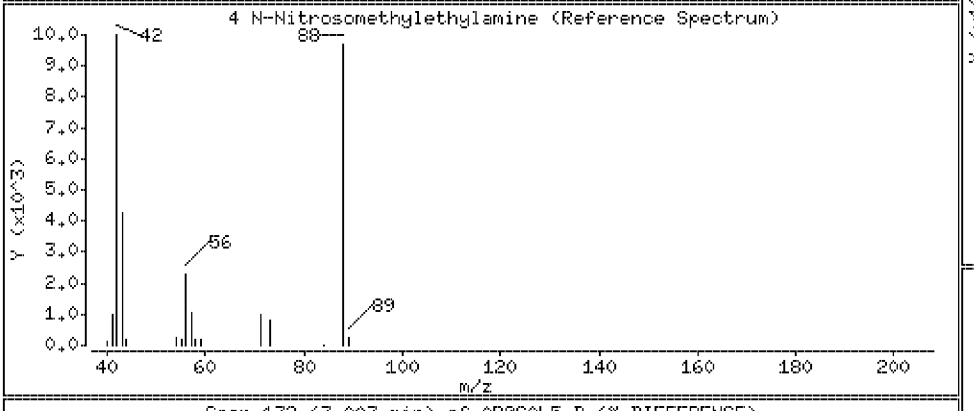
Column diameter: 0.25

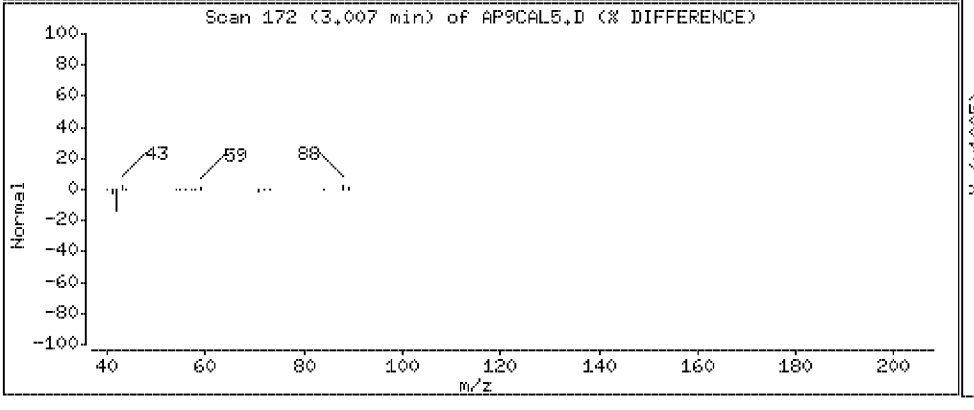
4 N-Nitrosomethylethylamine

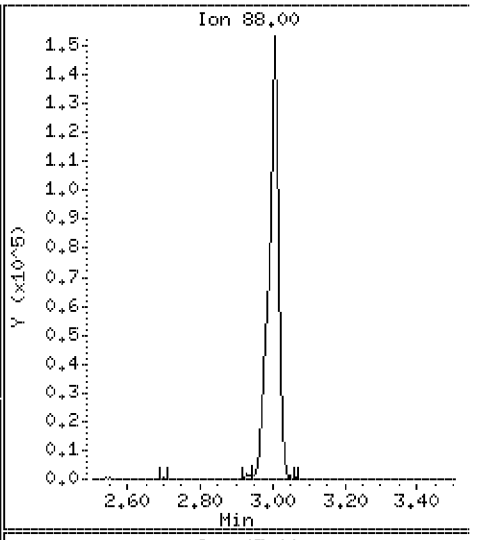
Concentration: 61.5 ug/l

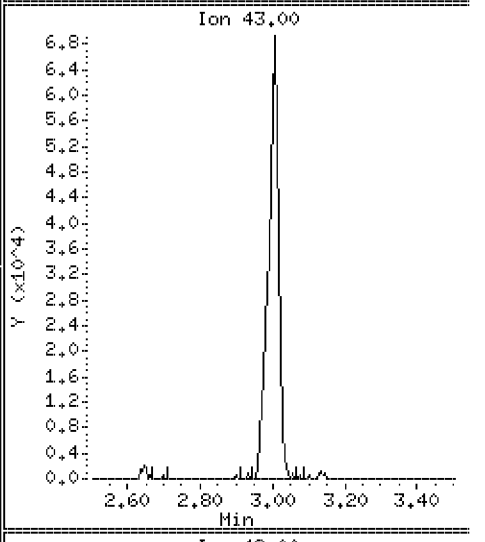


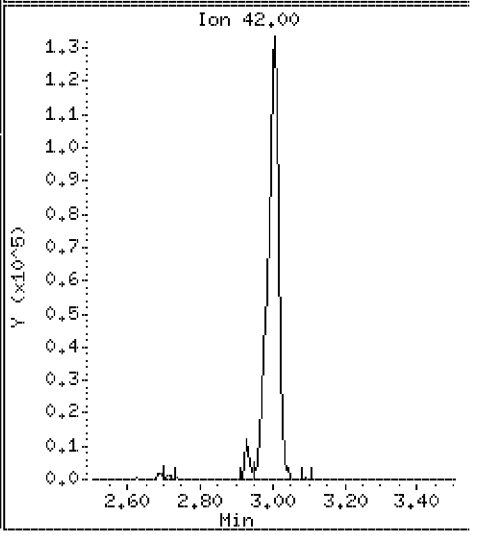












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

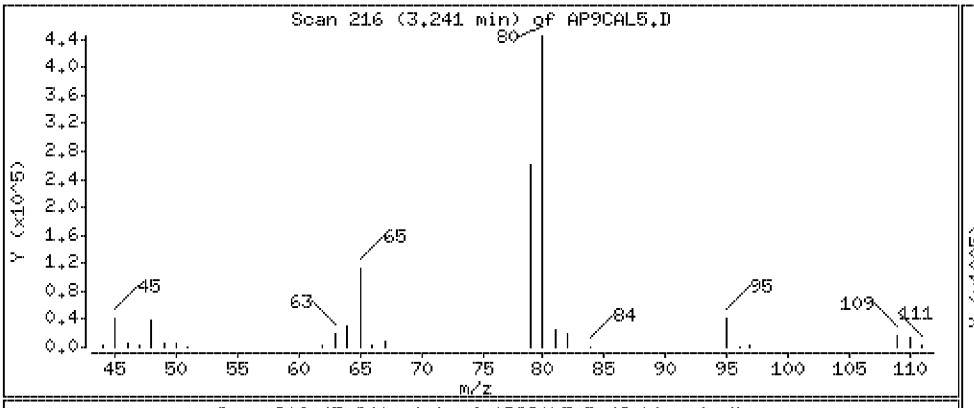
Operator: PEL

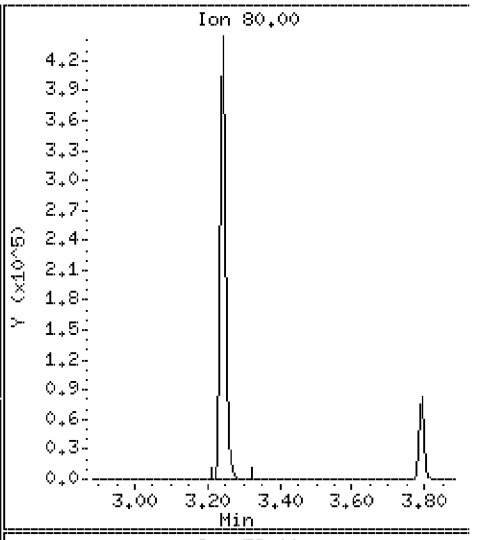
Column phase: HPMS-5

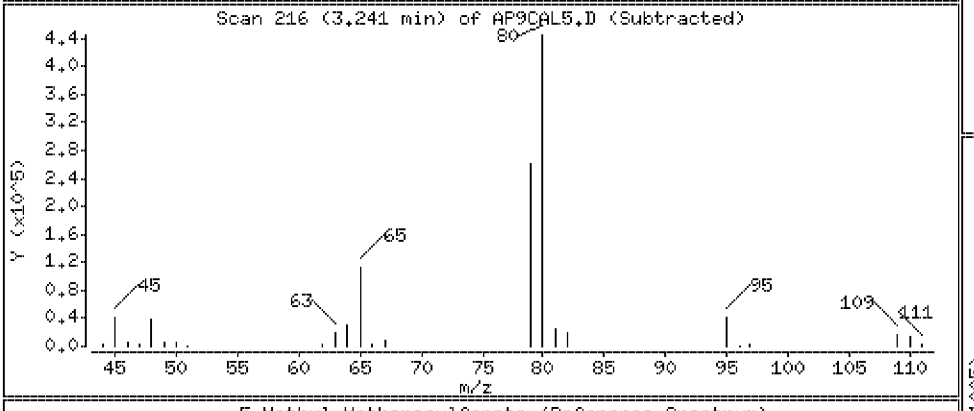
Column diameter: 0.25

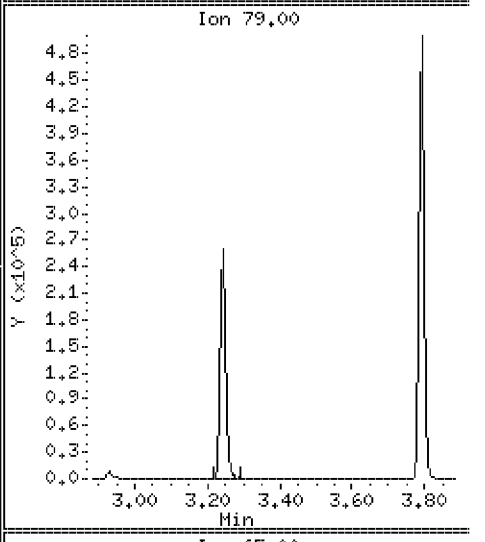
5 Methyl Methanesulfonate

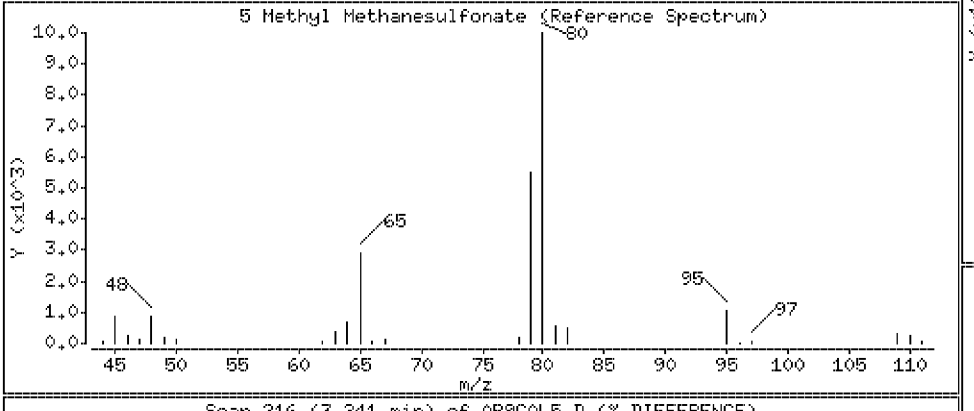
Concentration: 60.6 ug/l

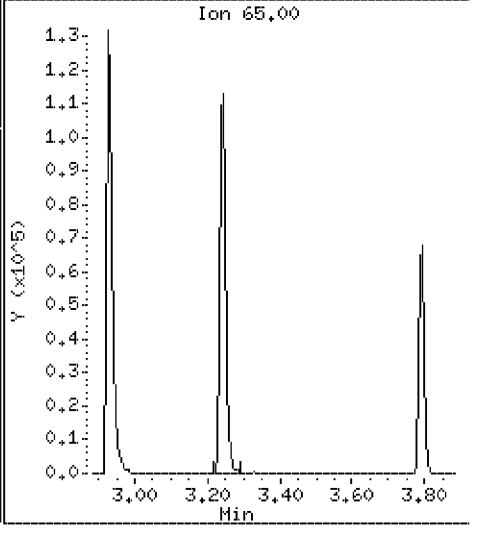


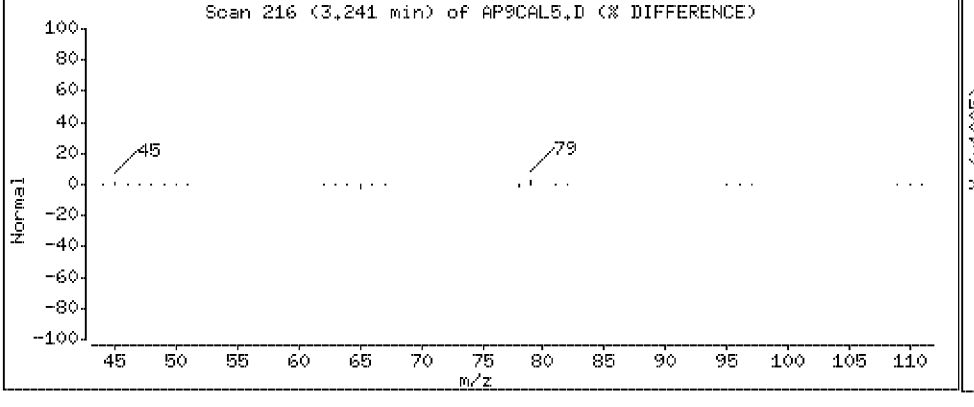












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

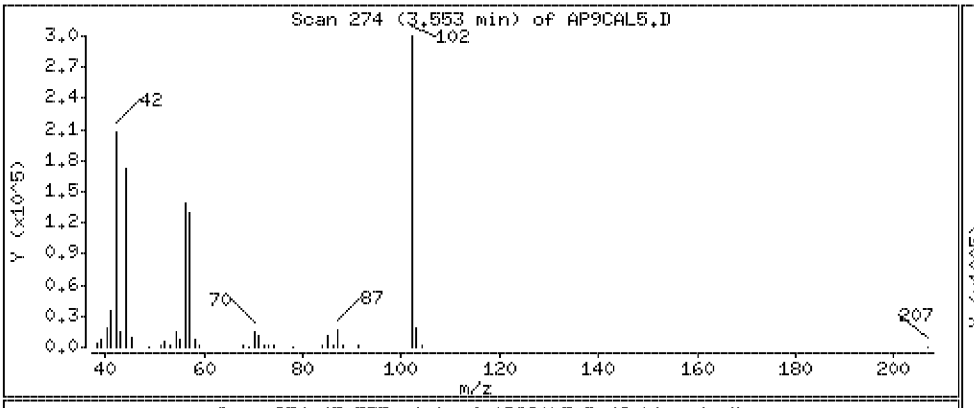
Operator: PEL

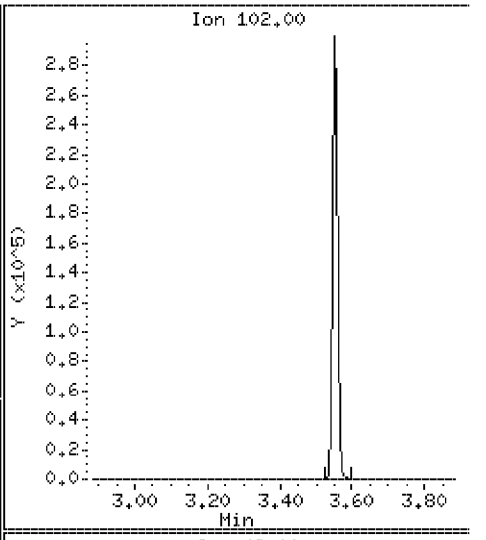
Column phase: HPMS-5

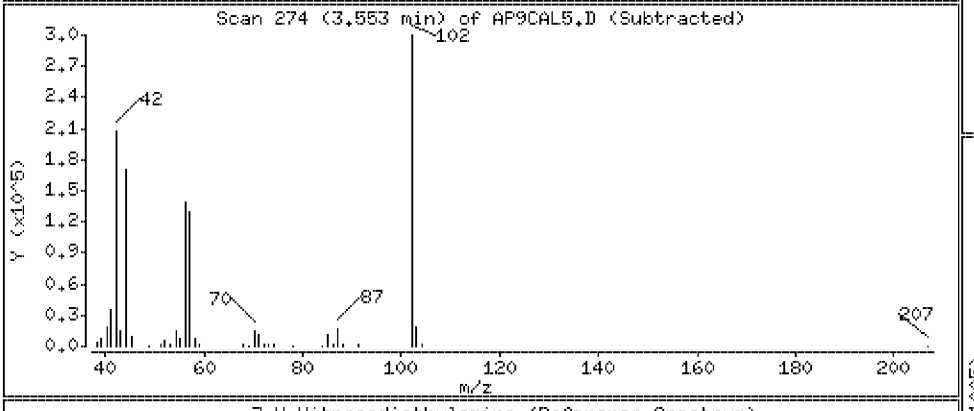
Column diameter: 0.25

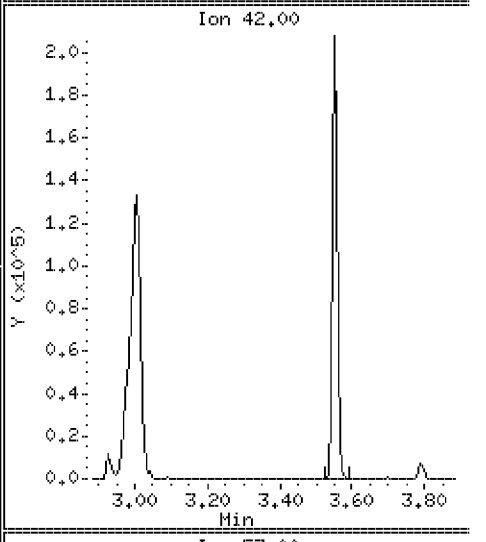
7 N-Nitrosodiethylamine

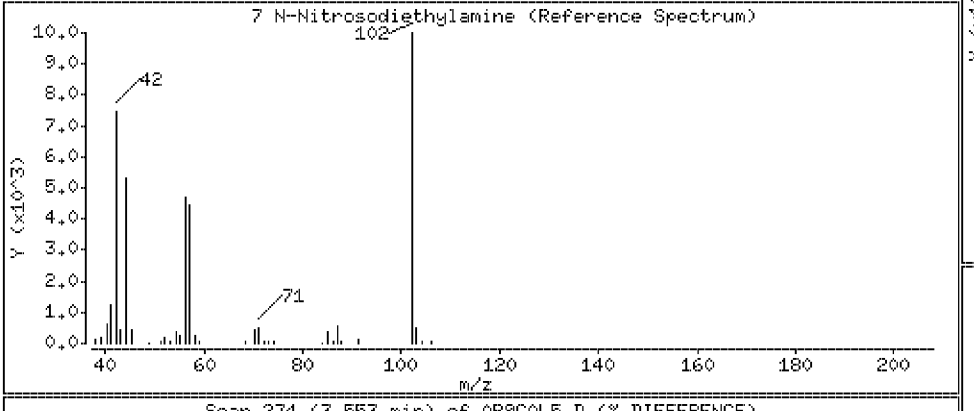
Concentration: 62.8 ug/l

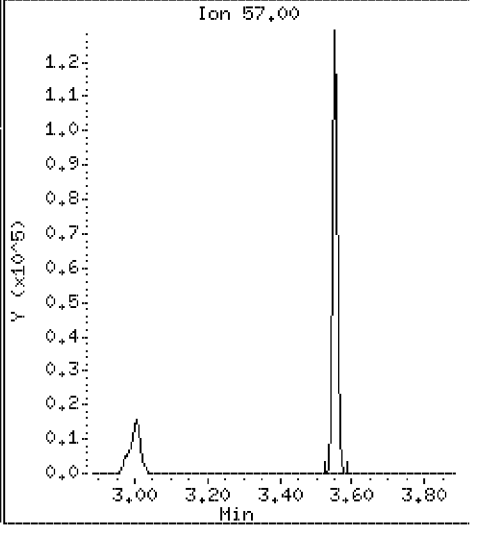


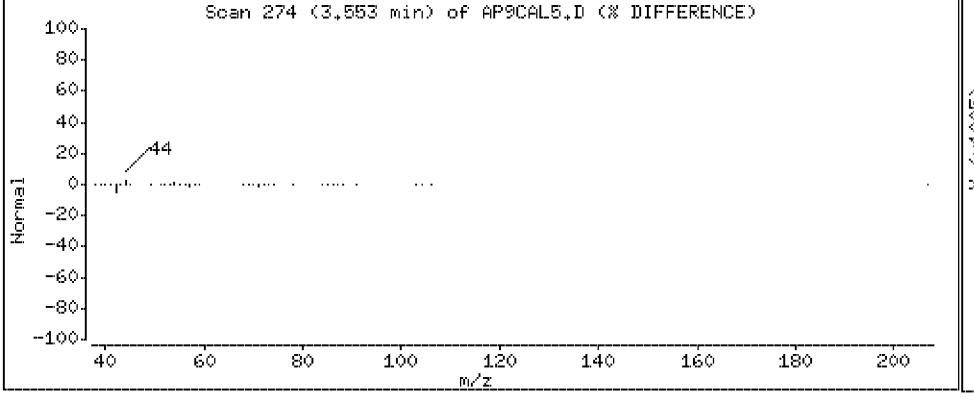












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

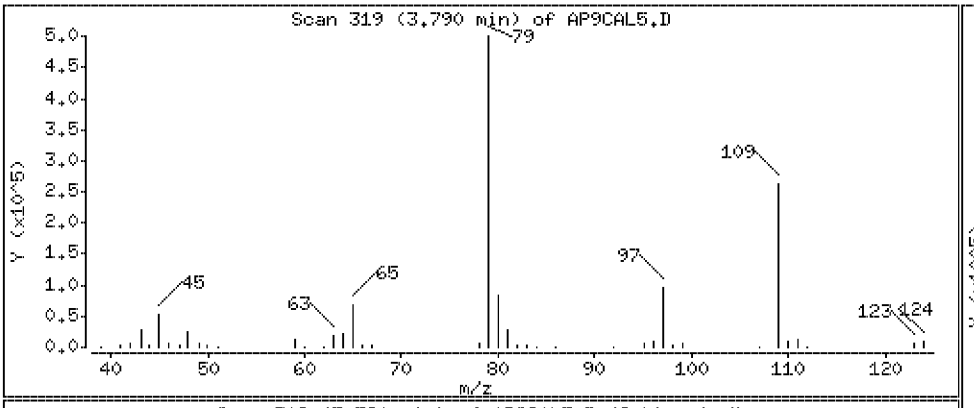
Operator: PEL

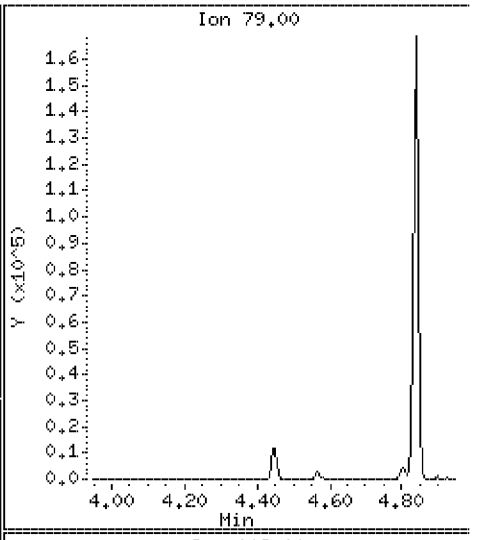
Column phase: HPMS-5

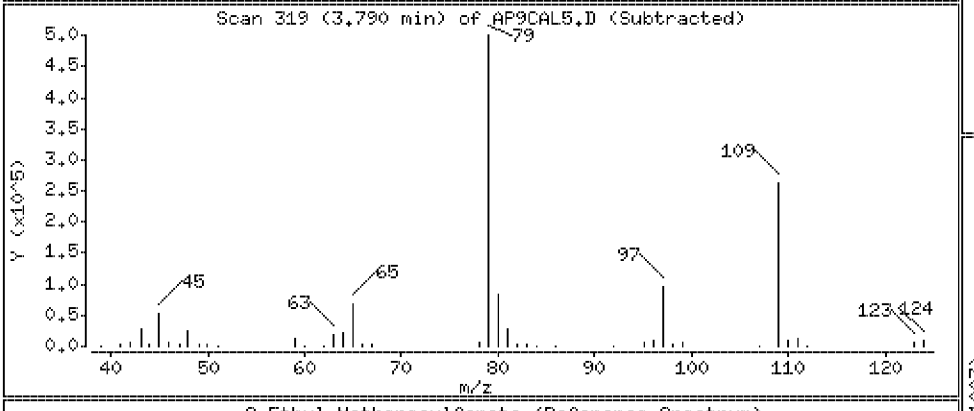
Column diameter: 0.25

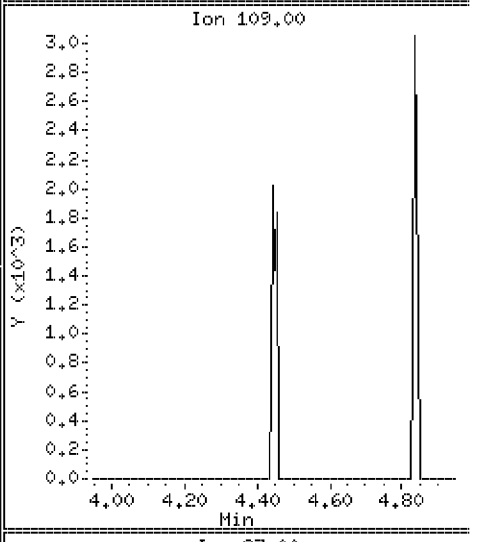
8 Ethyl Methanesulfonate

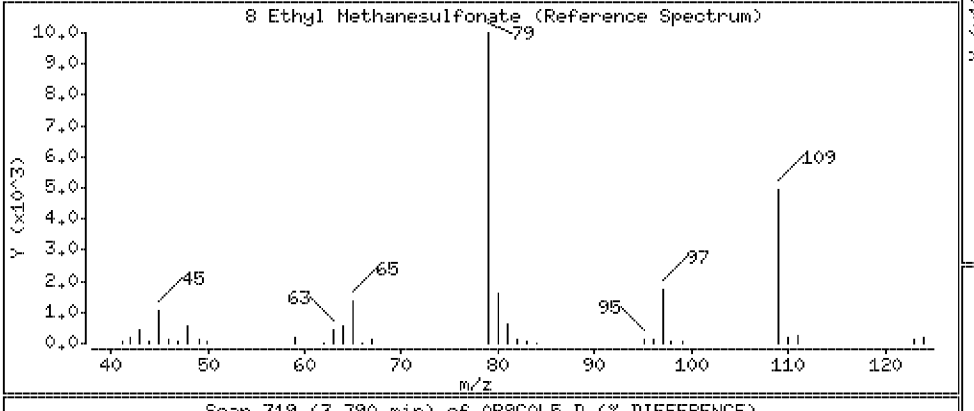
Concentration: 59.7 ug/l

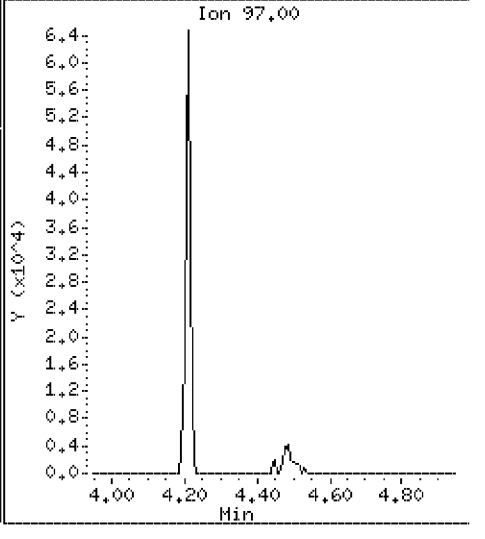


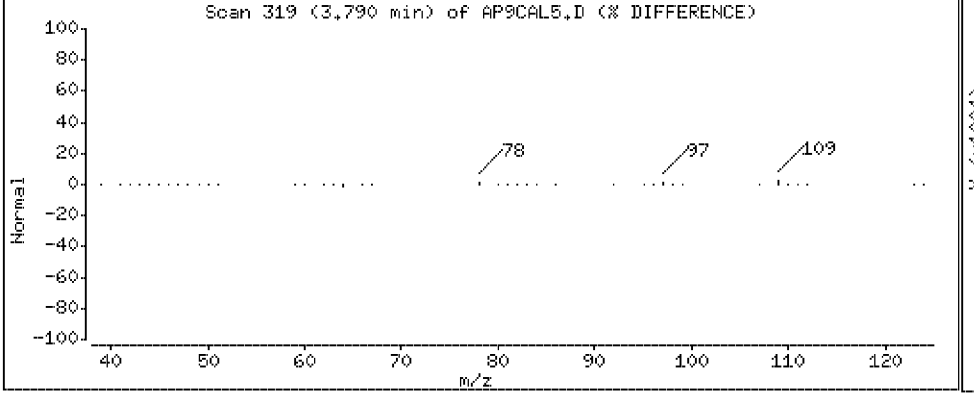












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

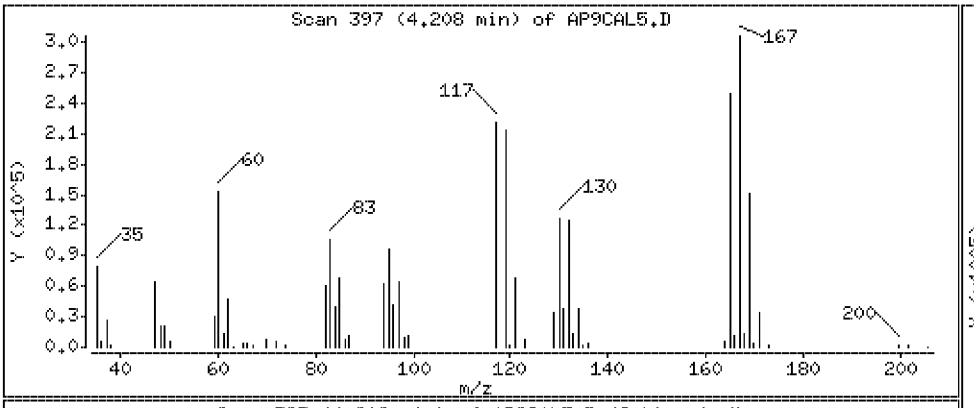
Operator: PEL

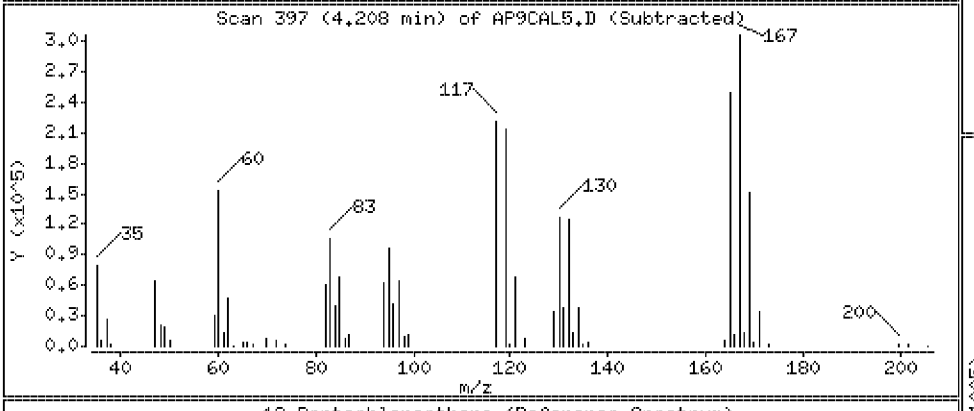
Column phase: HPMS-5

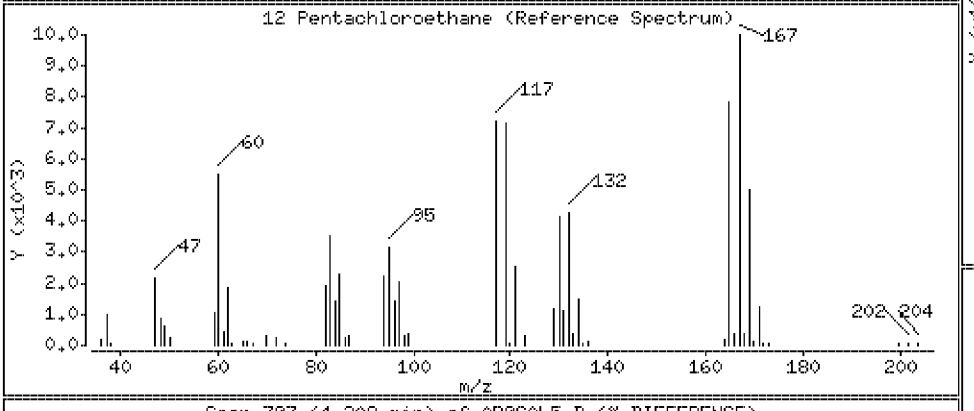
Column diameter: 0.25

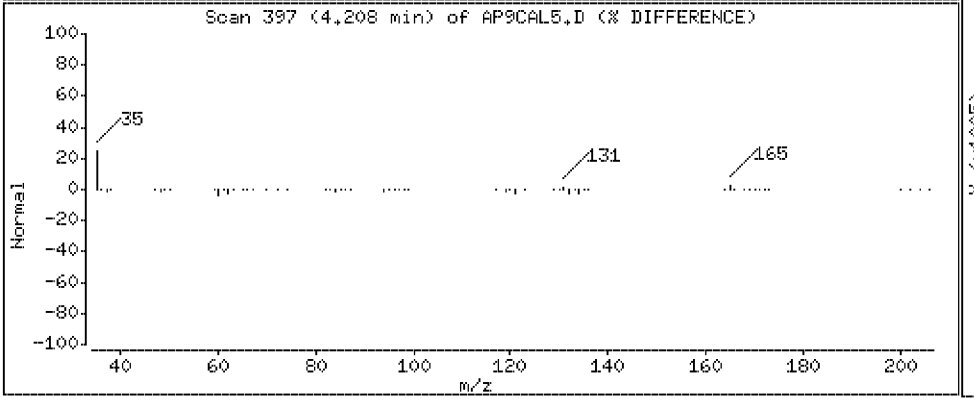
12 Pentachloroethane

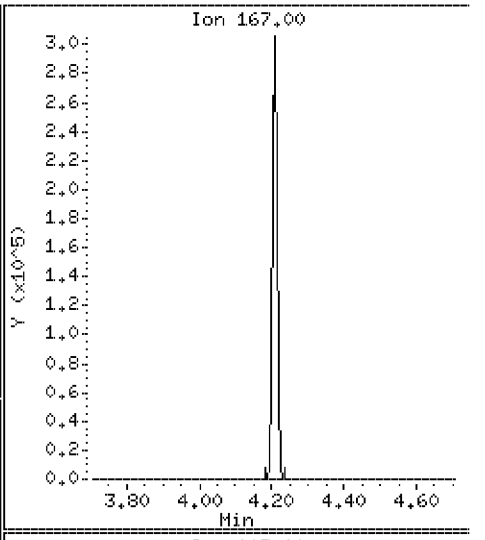
Concentration: 61.7 ug/l

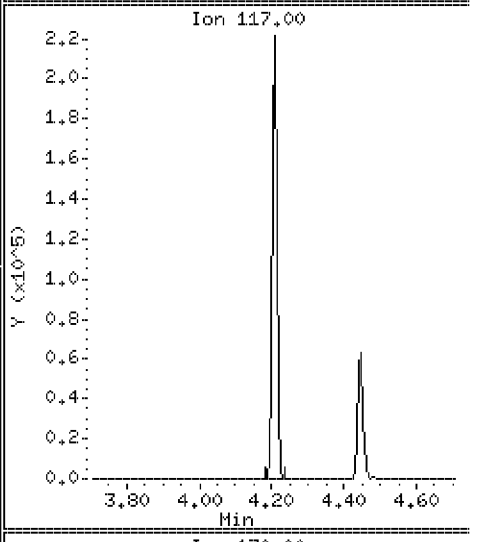


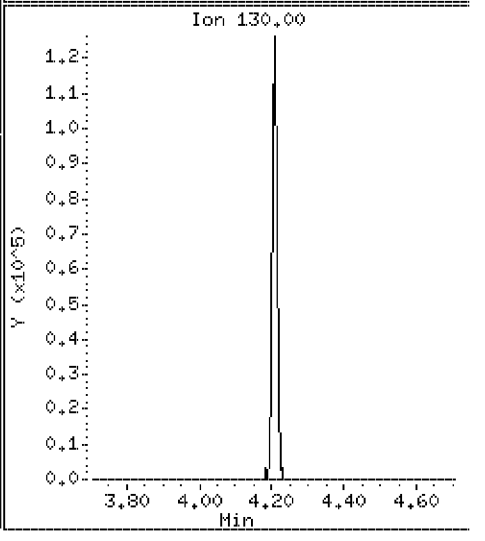












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

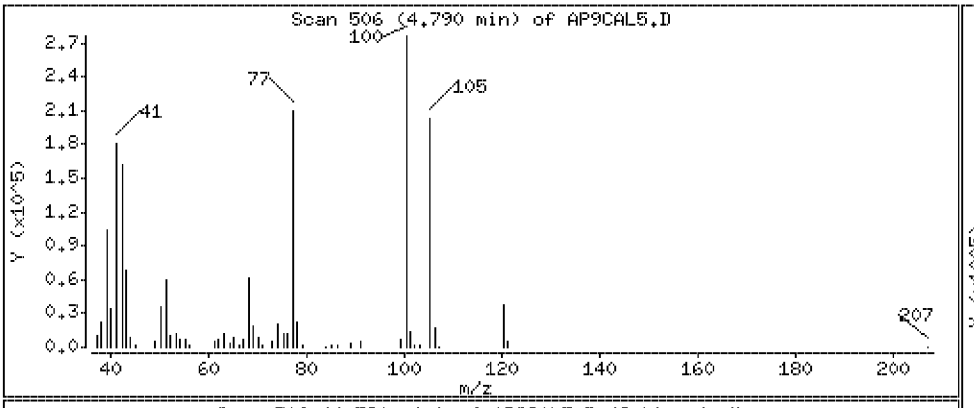
Operator: PEL

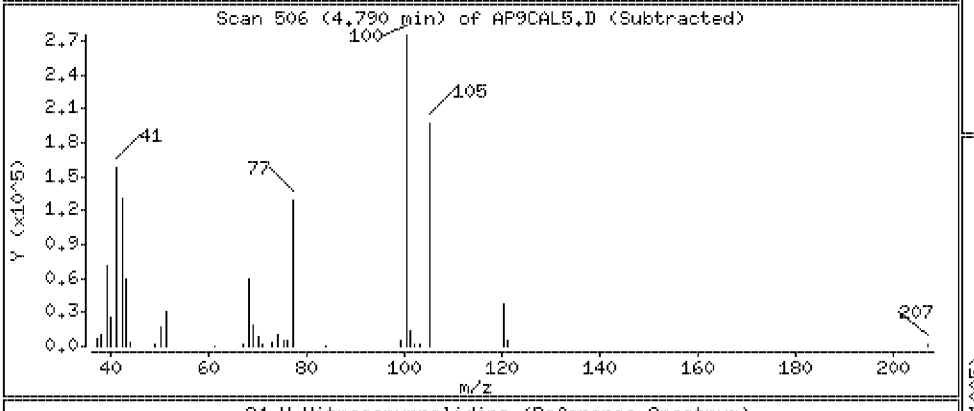
Column phase: HPMS-5

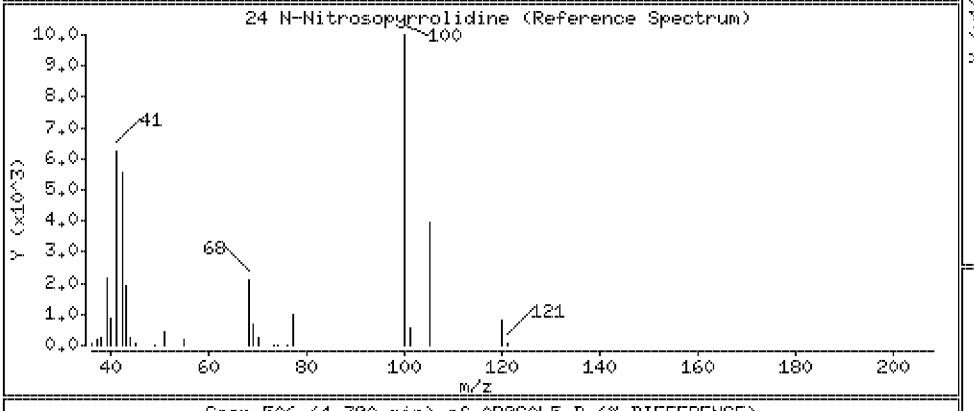
Column diameter: 0.25

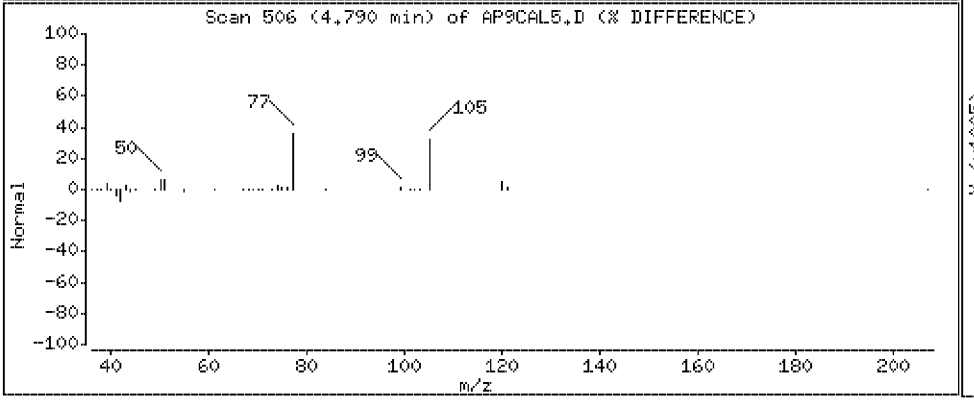
24 N-Nitrosopyrrolidine

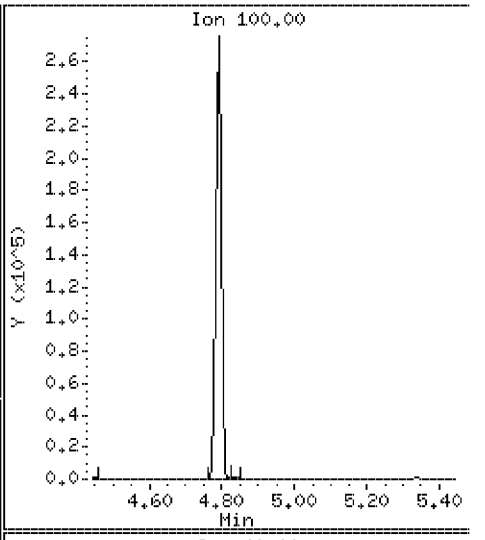
Concentration: 61.6 ug/l

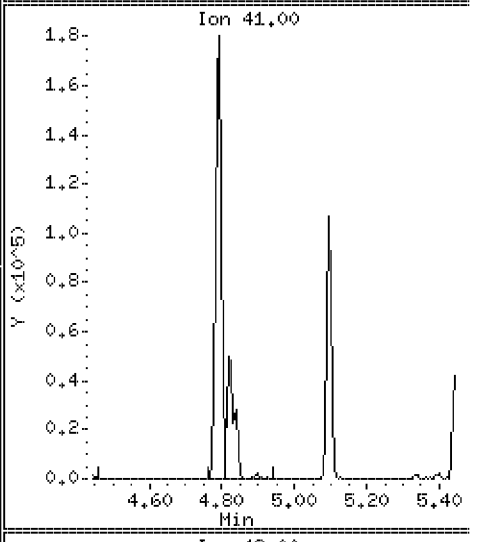


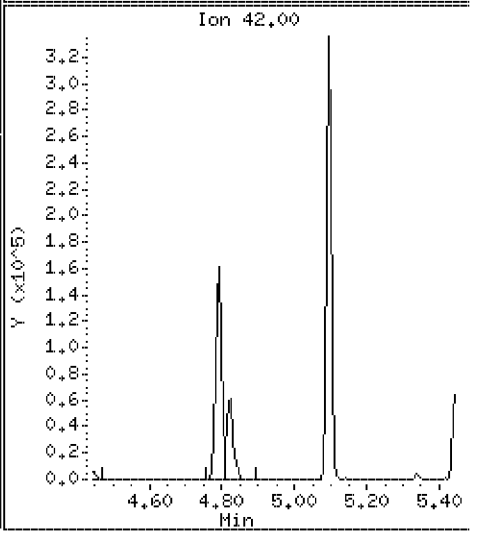












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

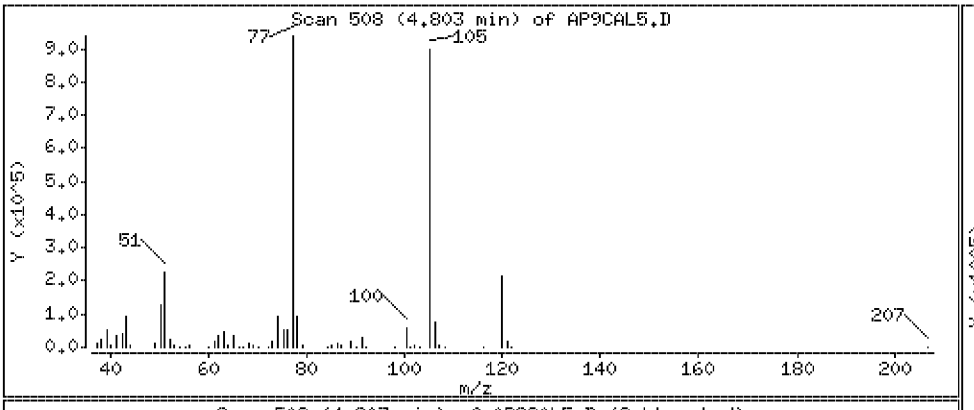
Operator: PEL

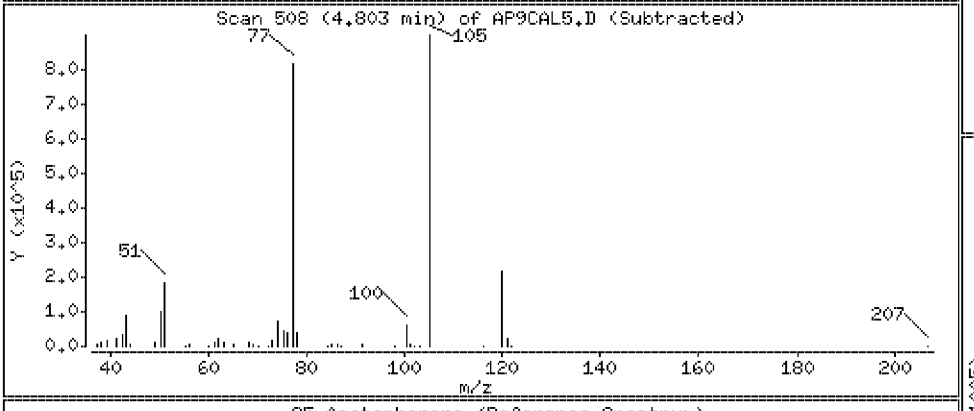
Column phase: HPMS-5

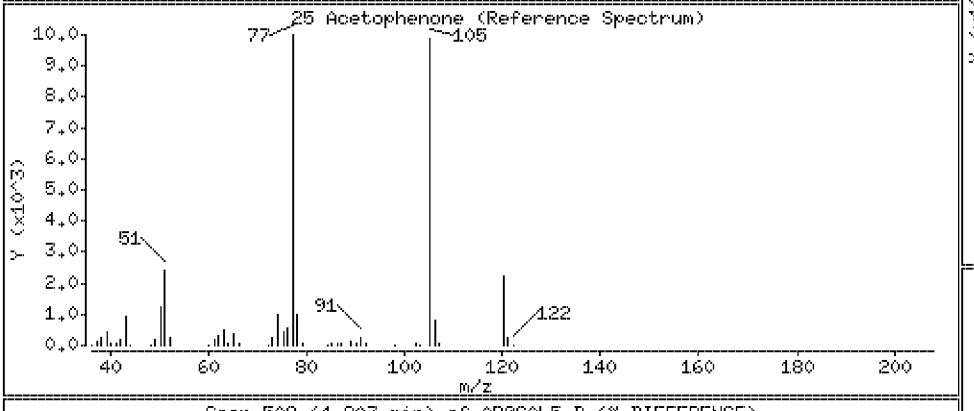
Column diameter: 0.25

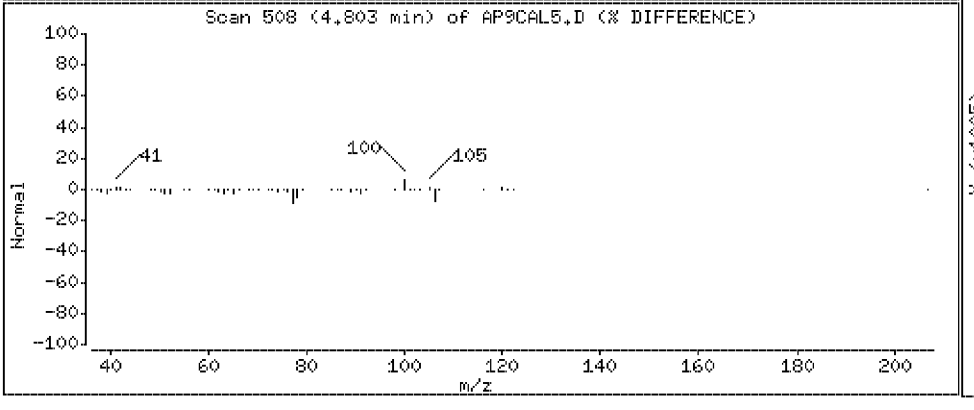
25 Acetophenone

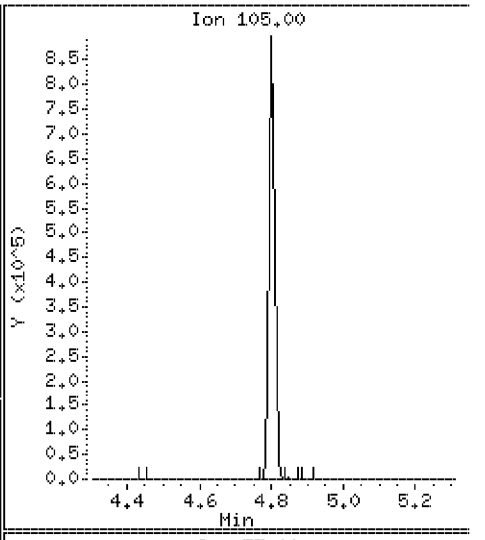
Concentration: 61.5 ug/l

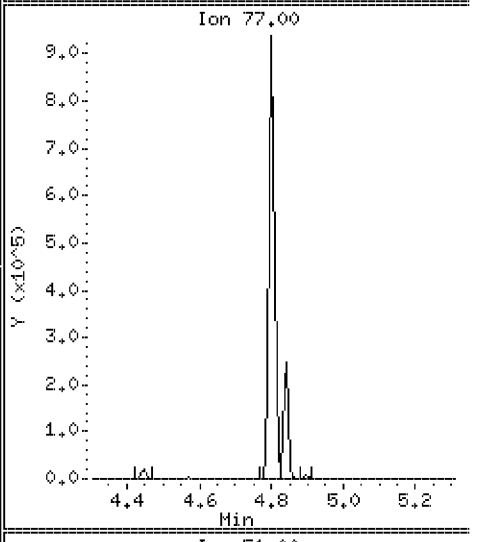


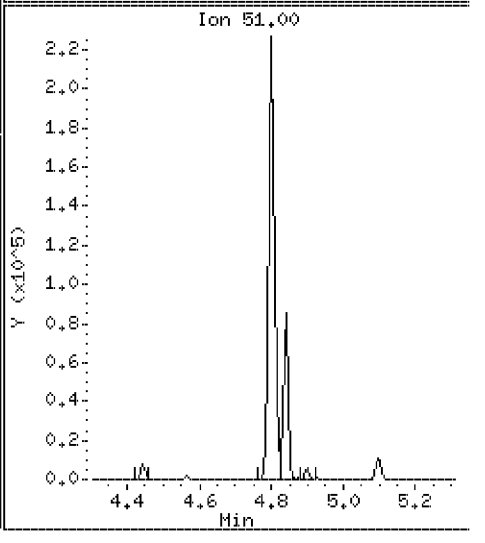












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

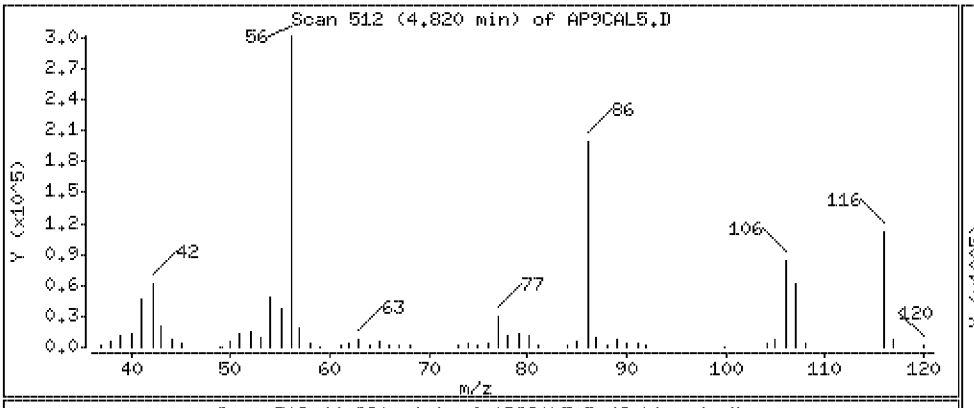
Operator: PEL

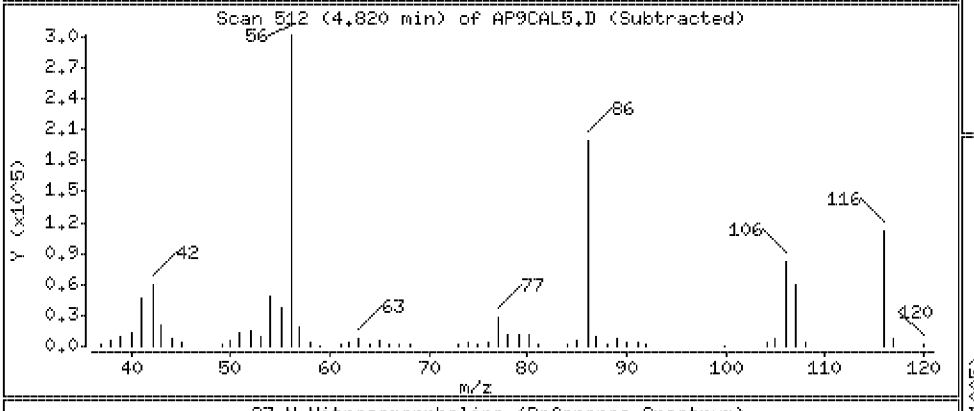
Column phase: HPMS-5

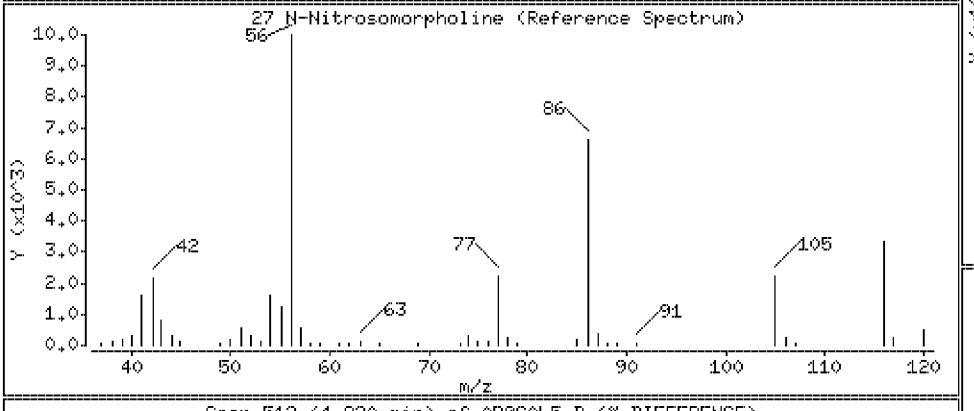
Column diameter: 0.25

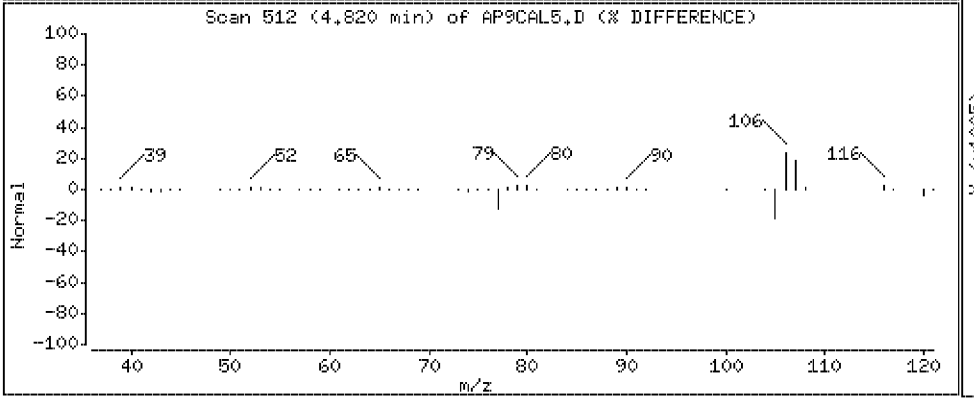
27 N-Nitrosomorpholine

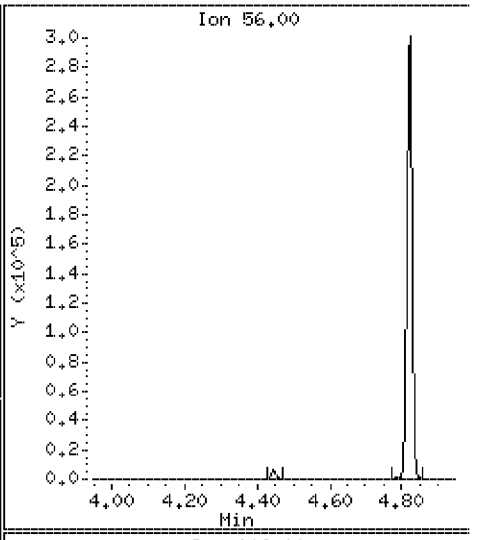
Concentration: 61.6 ug/l

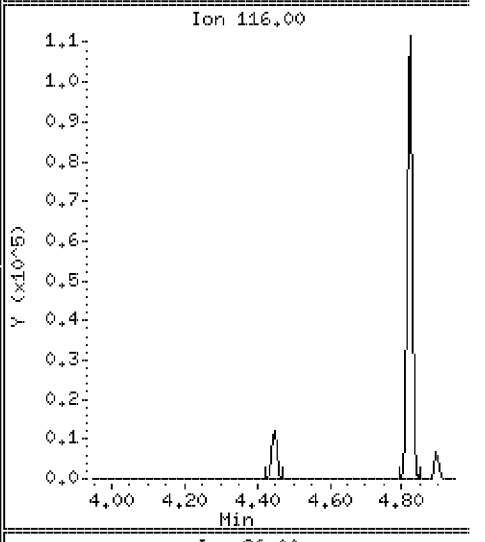


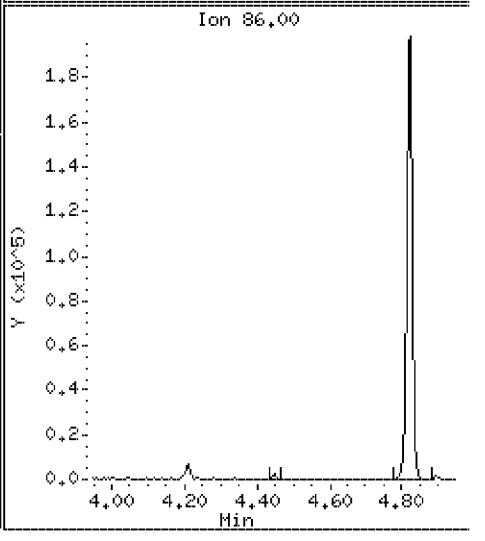












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

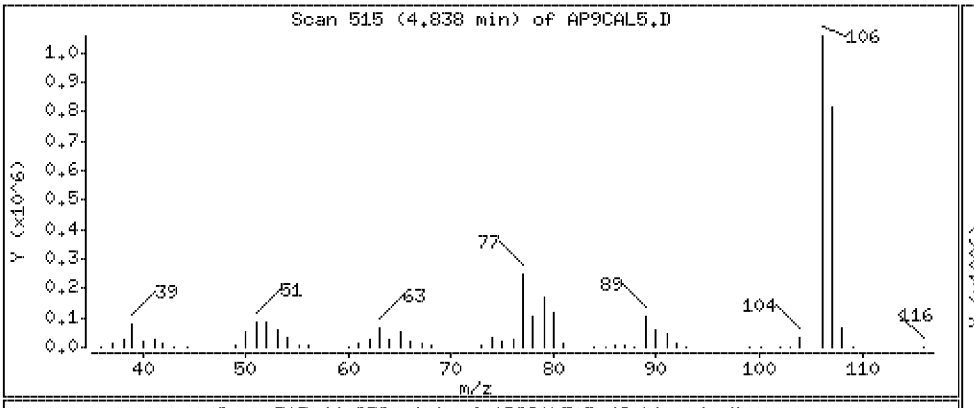
Operator: PEL

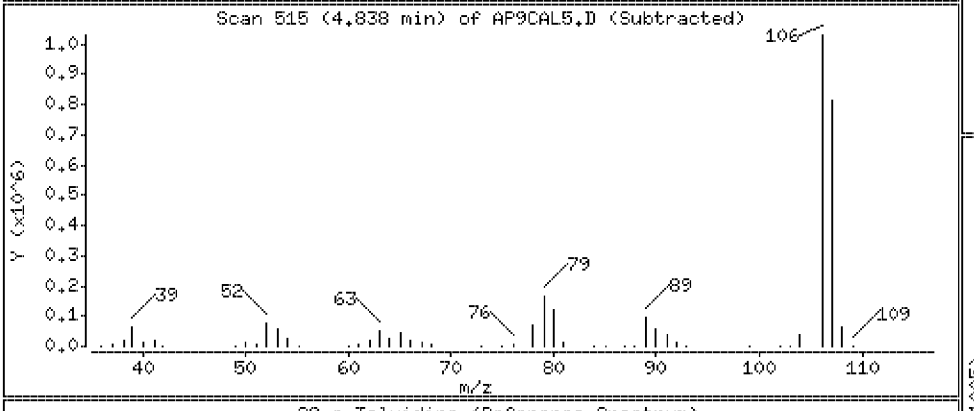
Column phase: HPMS-5

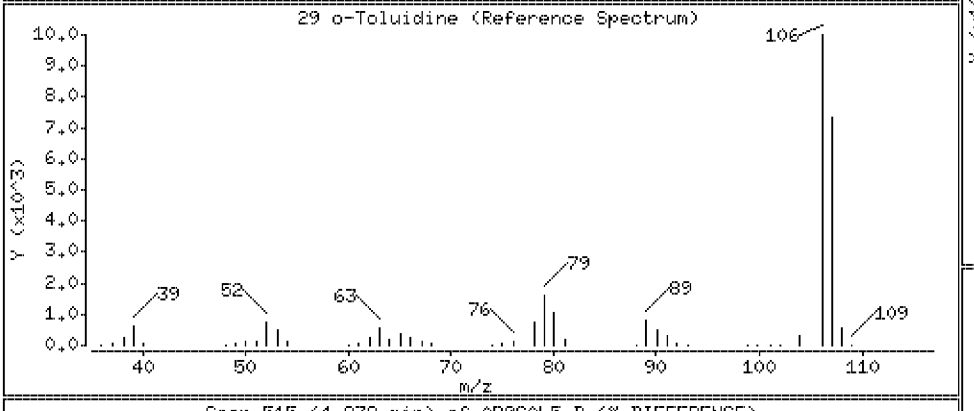
Column diameter: 0.25

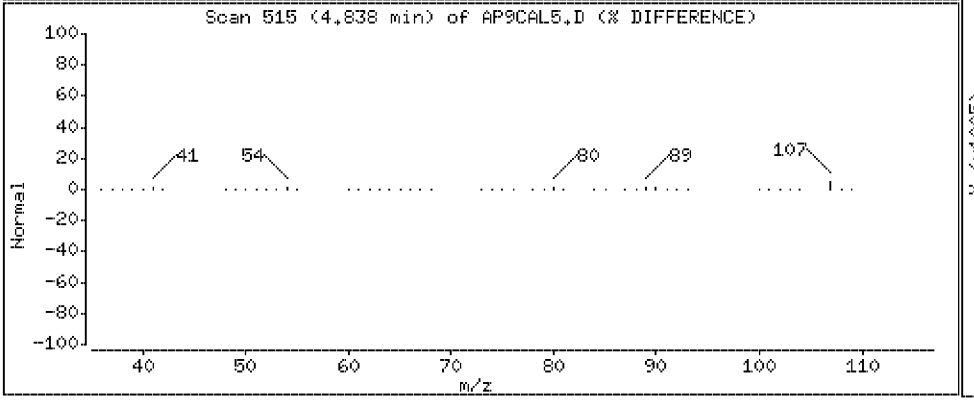
29 o-Toluidine

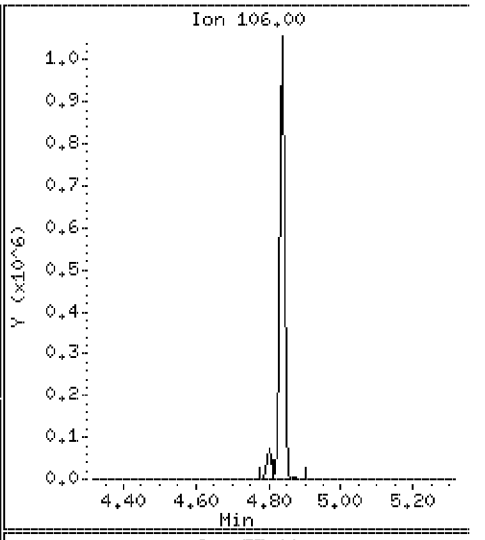
Concentration: 62.1 ug/l

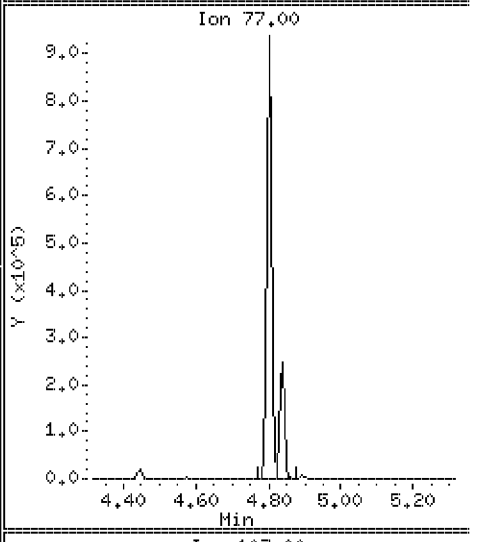


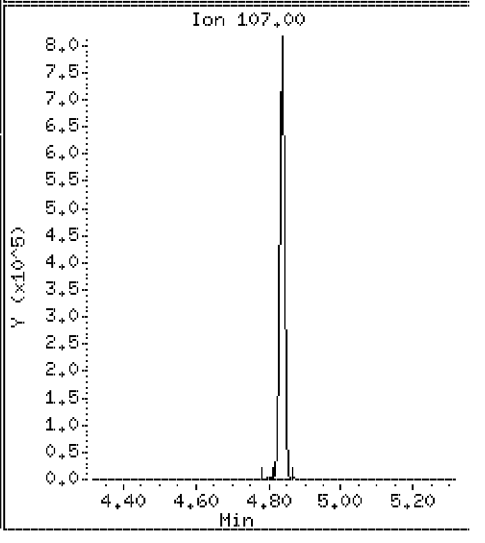












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

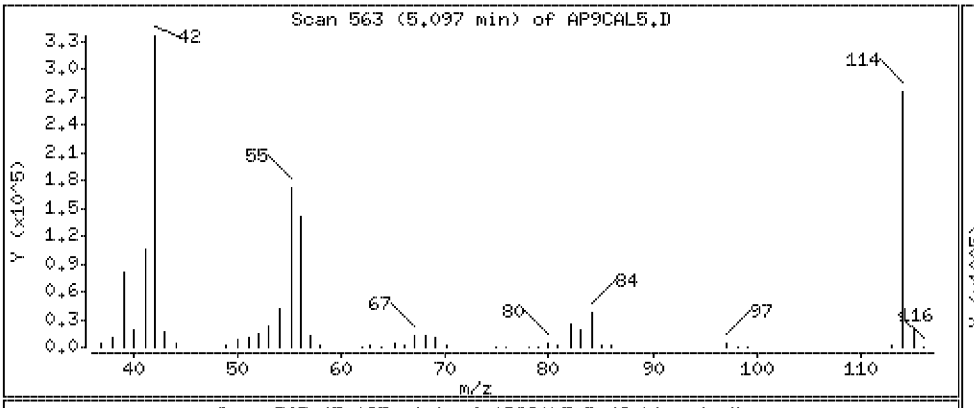
Operator: PEL

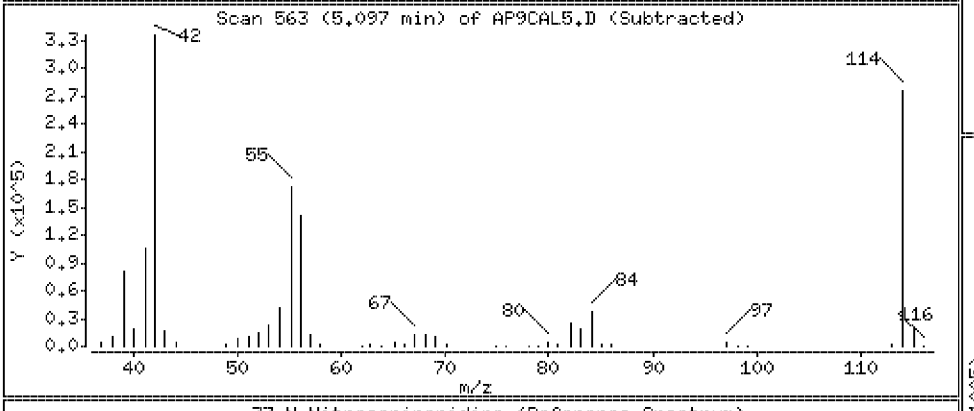
Column phase: HPMS-5

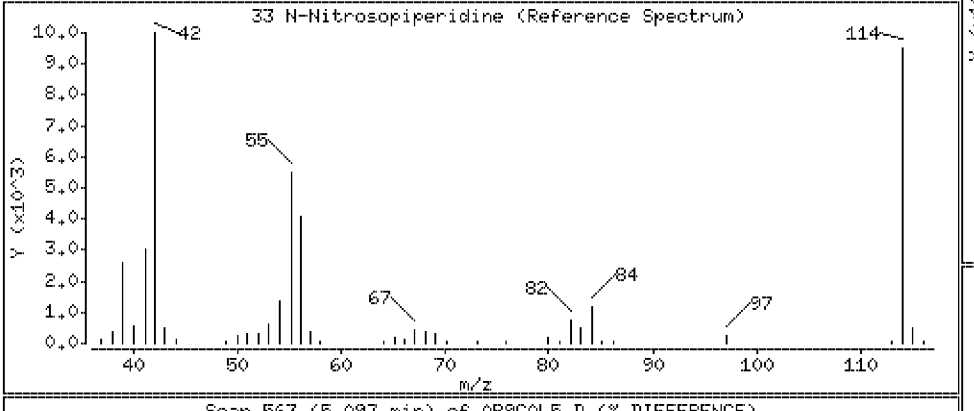
Column diameter: 0.25

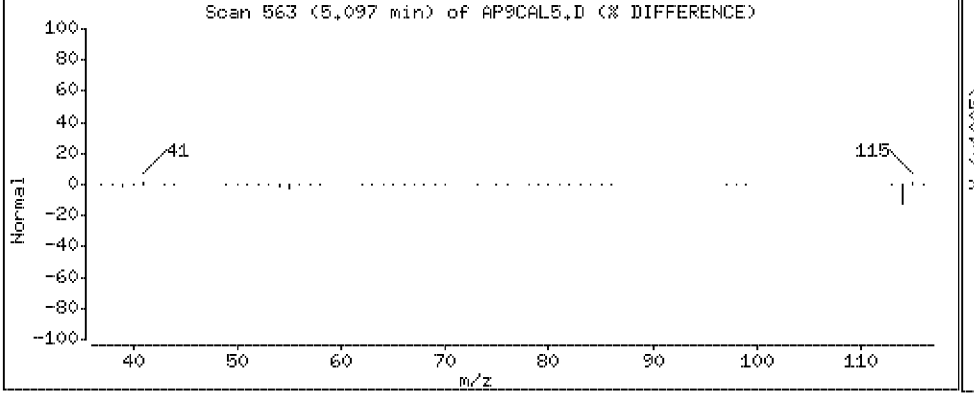
33 N-Nitrosopiperidine

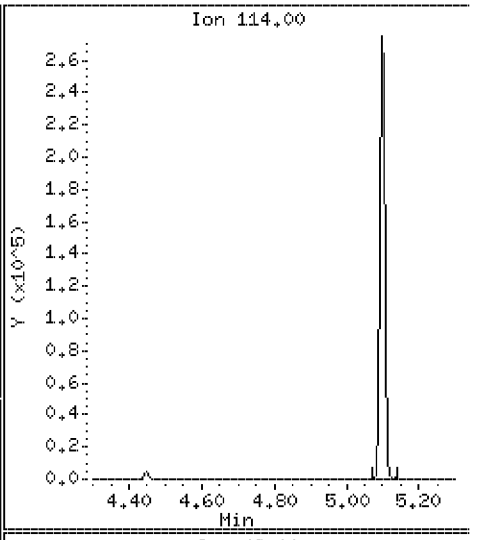
Concentration: 61.6 ug/l

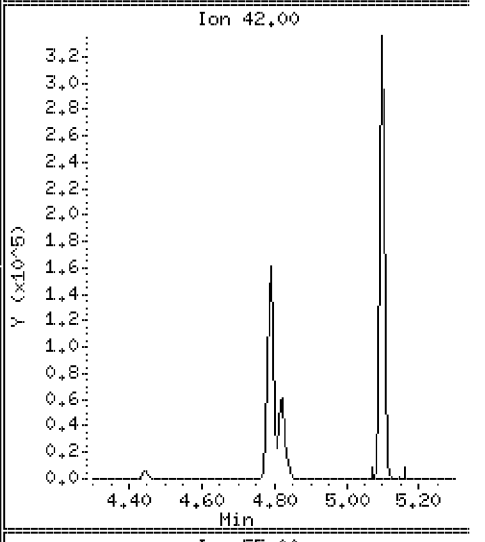


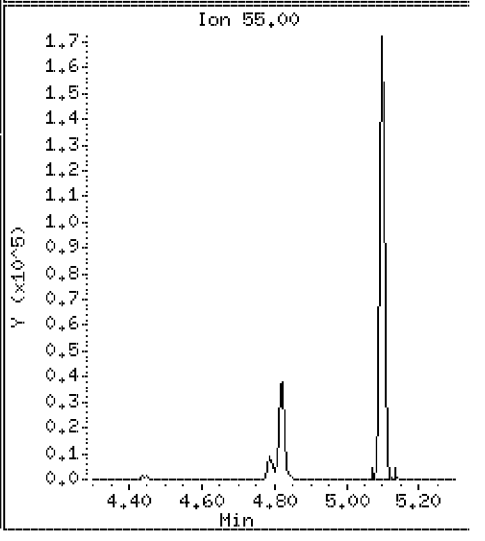












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

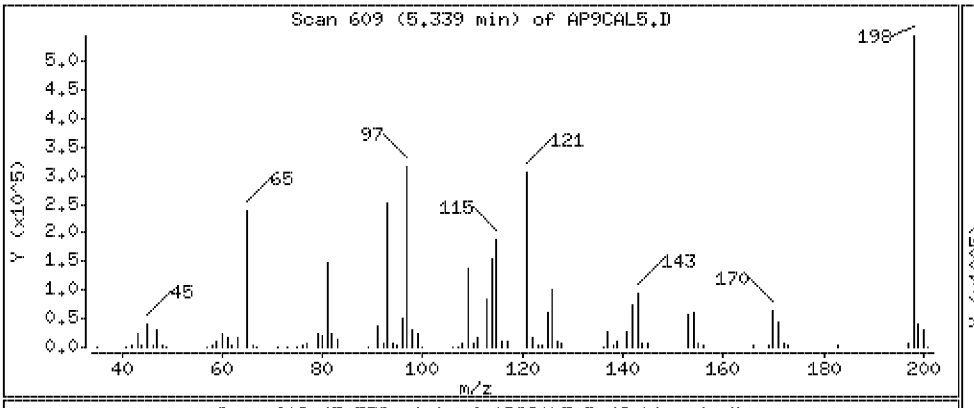
Operator: PEL

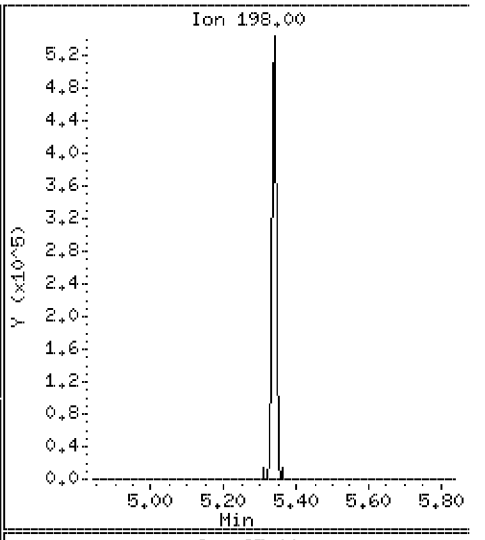
Column phase: HPMS-5

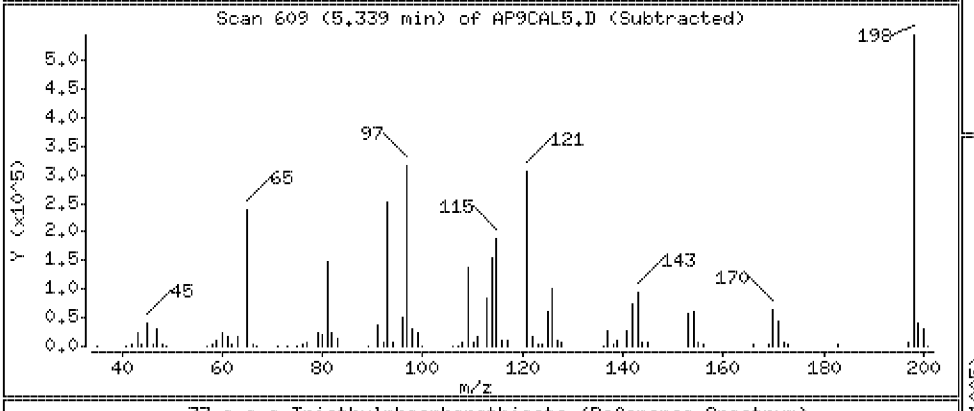
Column diameter: 0.25

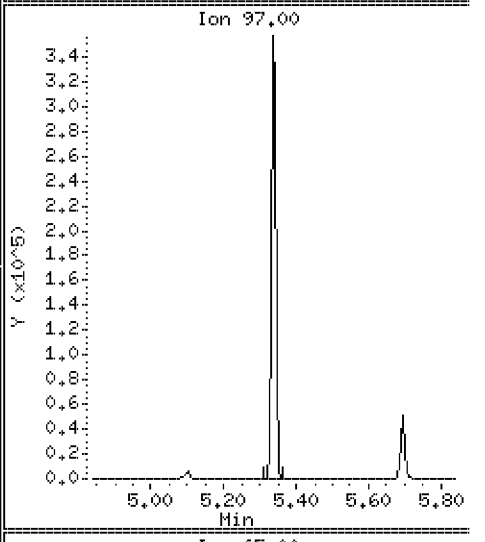
37 o,o,o-Triethylphosphorothioate

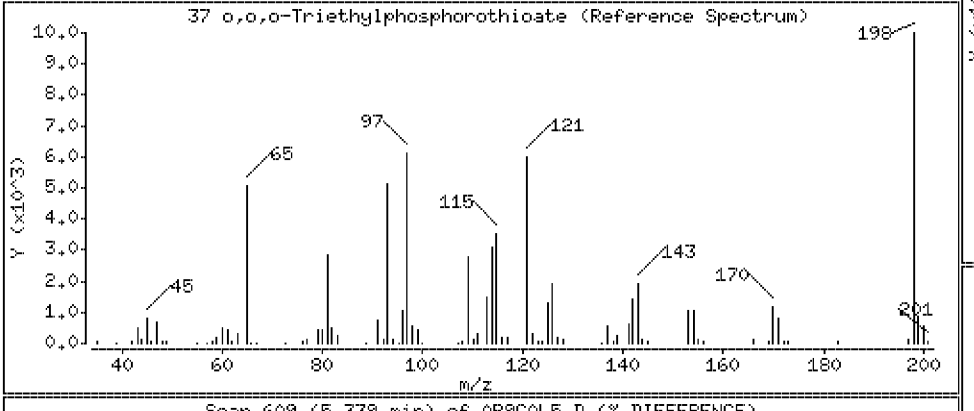
Concentration: 63.2 ug/l

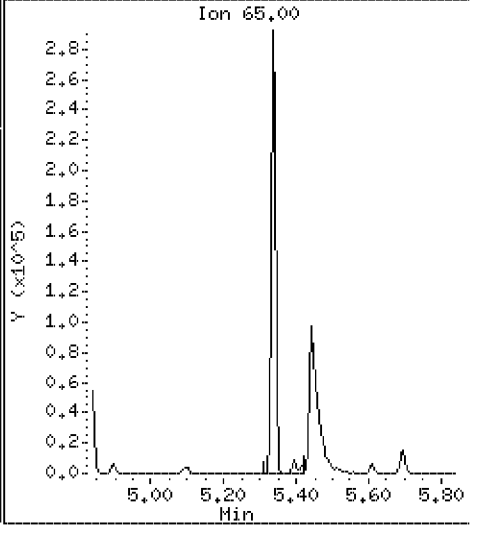


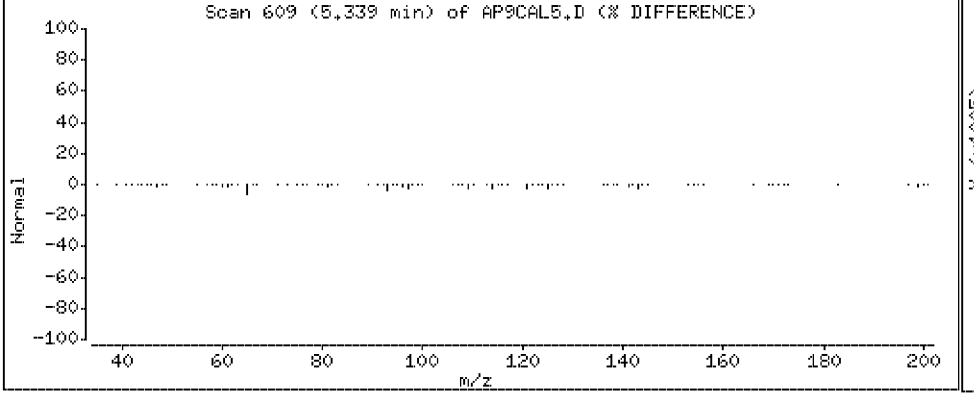












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

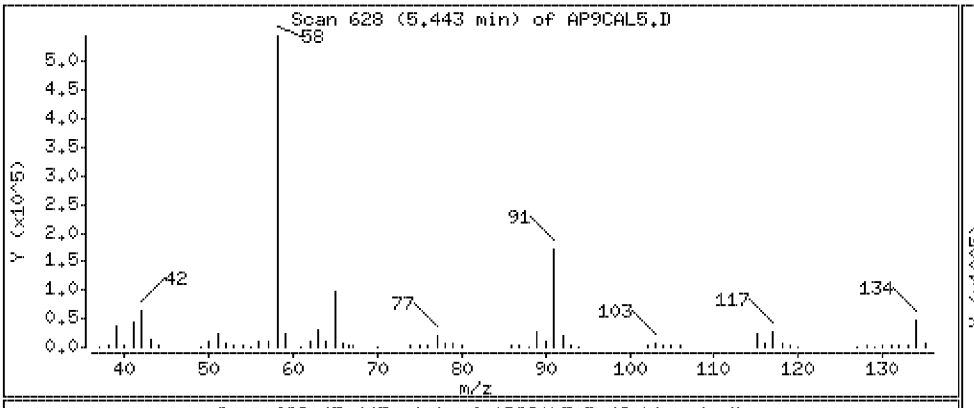
Operator: PEL

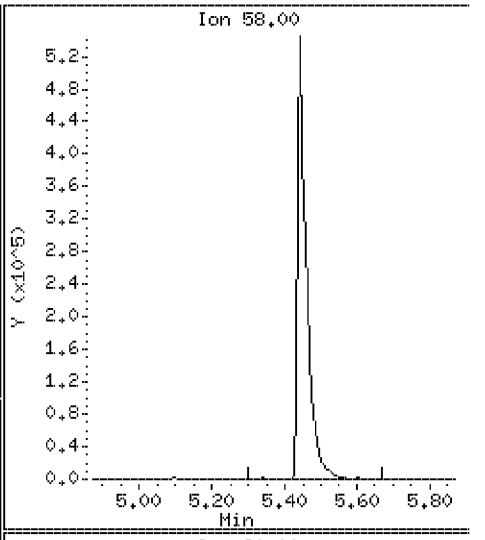
Column phase: HPMS-5

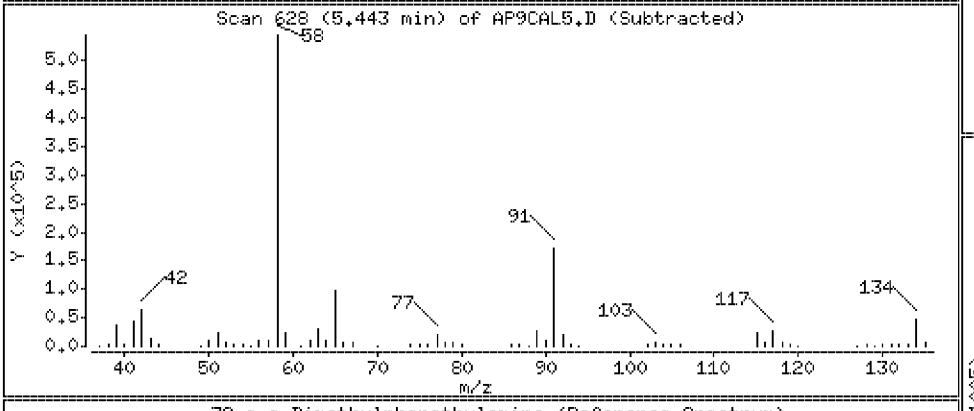
Column diameter: 0.25

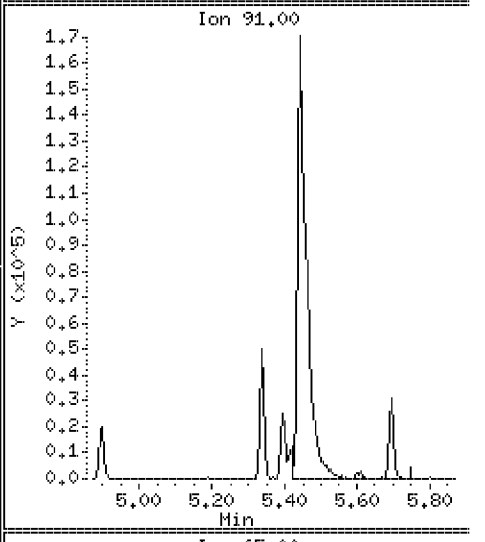
39 a,a-Dimethylphenethylamine

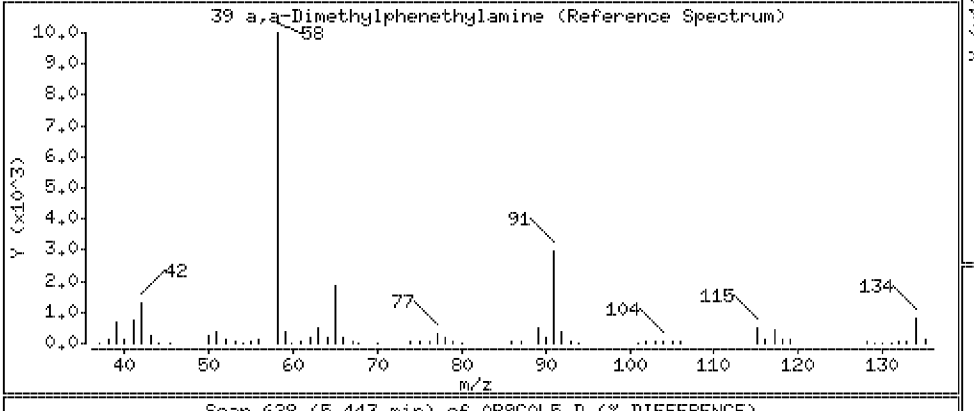
Concentration: 62.2 ug/l

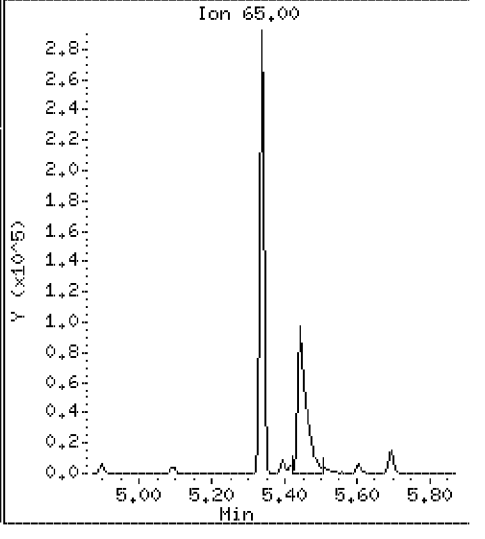


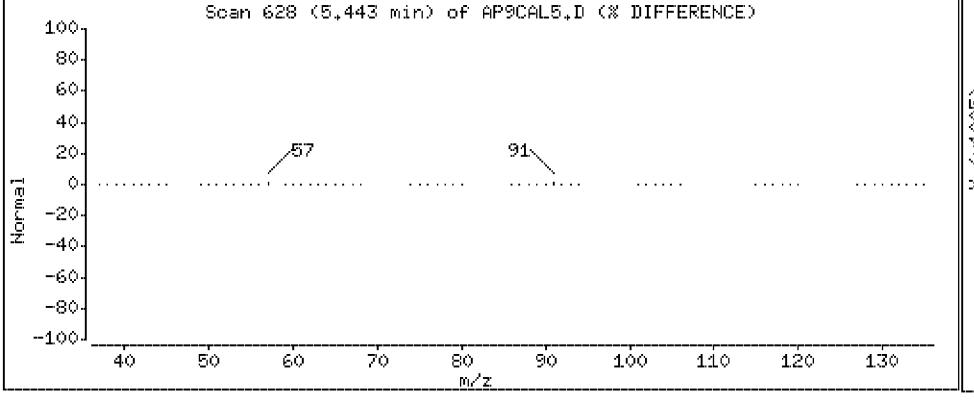












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

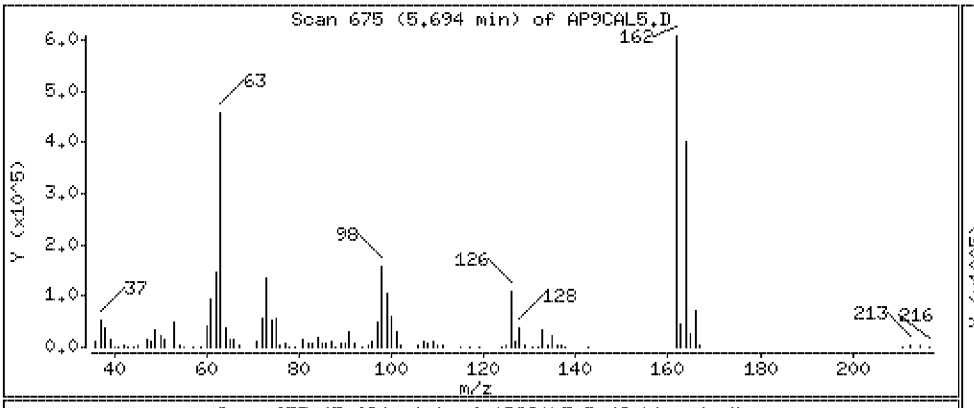
Operator: PEL

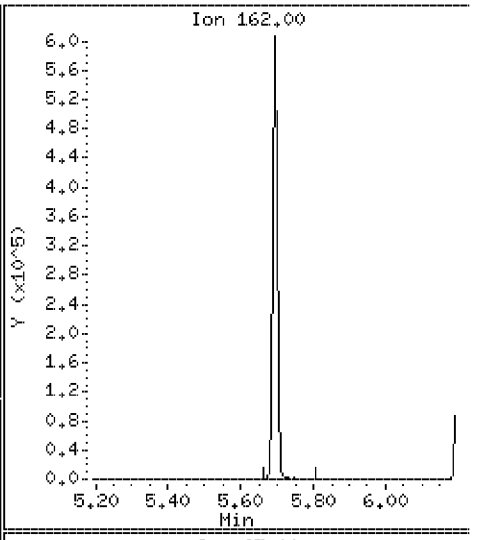
Column phase: HPMS-5

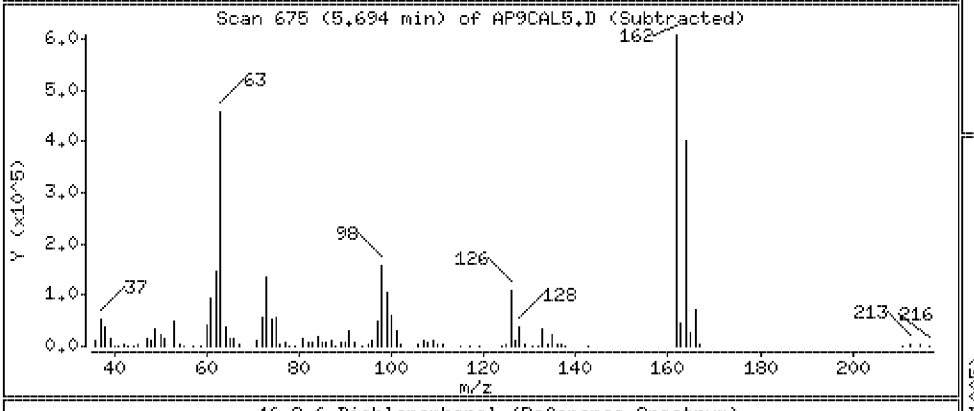
Column diameter: 0.25

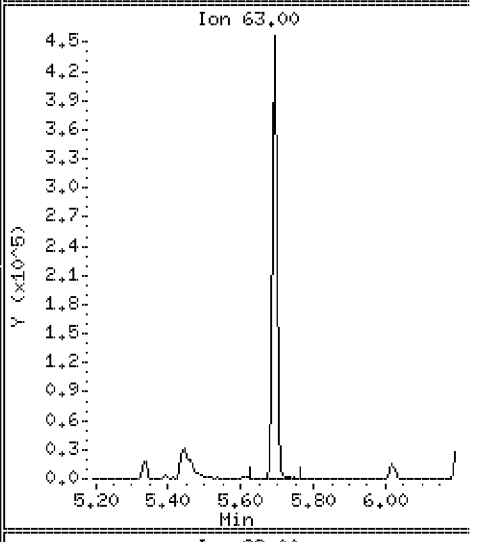
46 2,6-Dichlorophenol

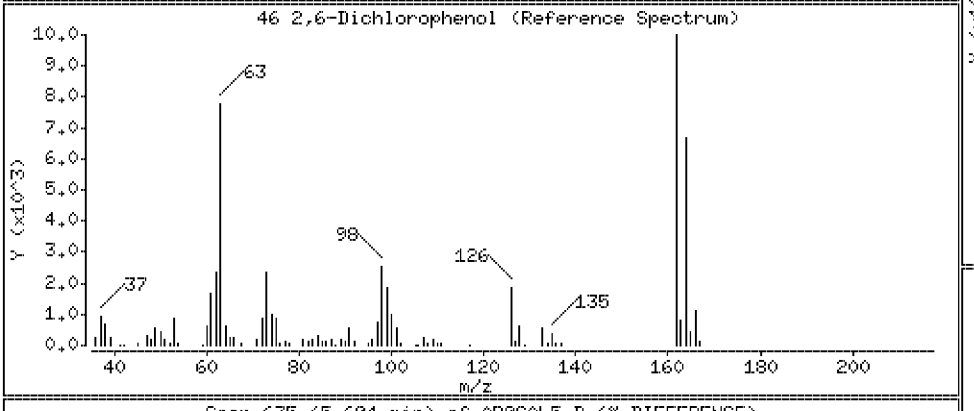
Concentration: 62.8 ug/l

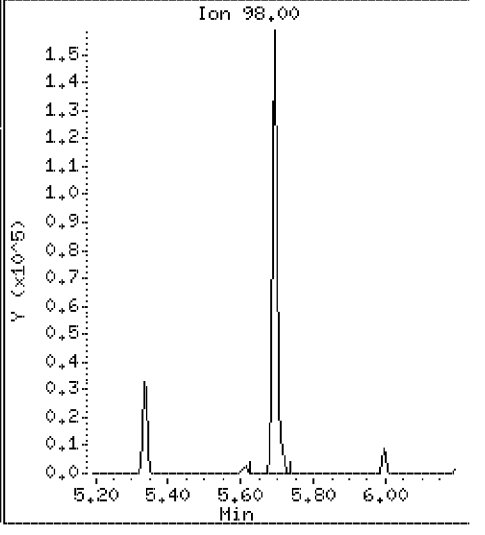


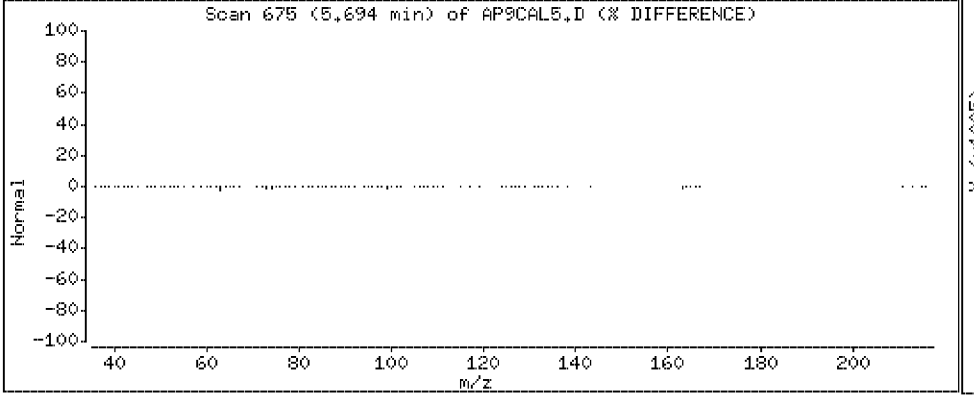












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

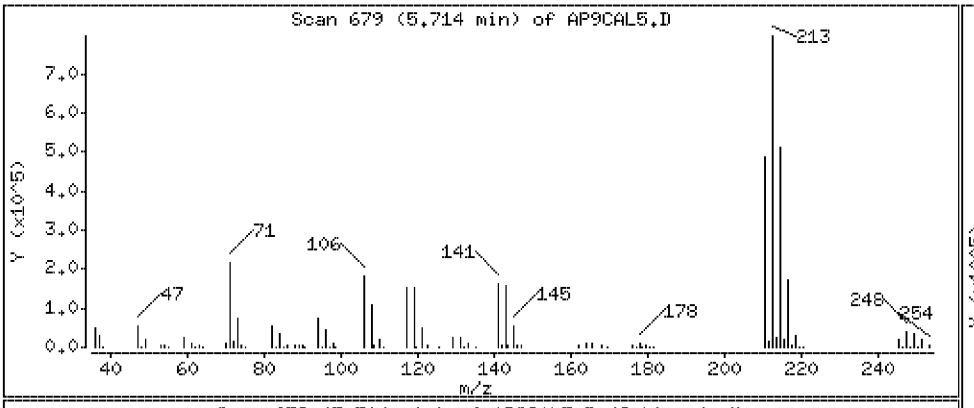
Operator: PEL

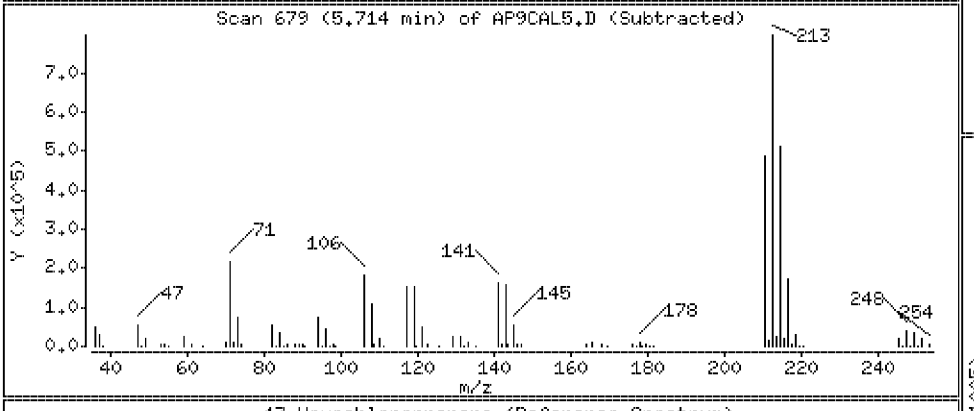
Column phase: HPMS-5

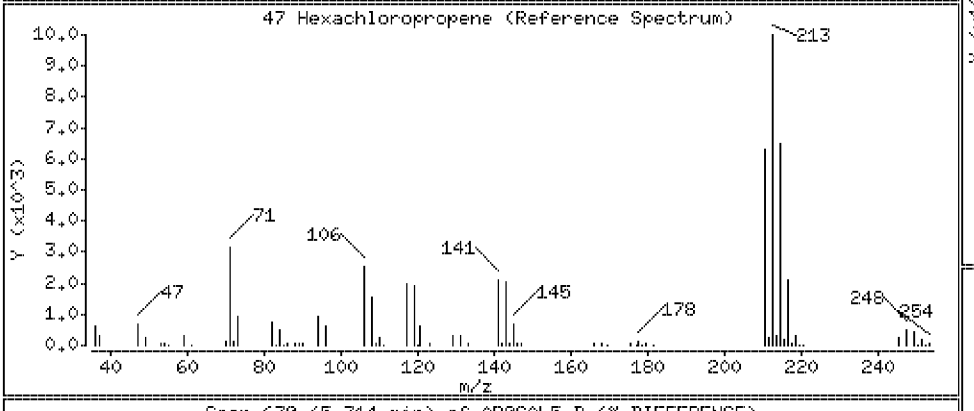
Column diameter: 0.25

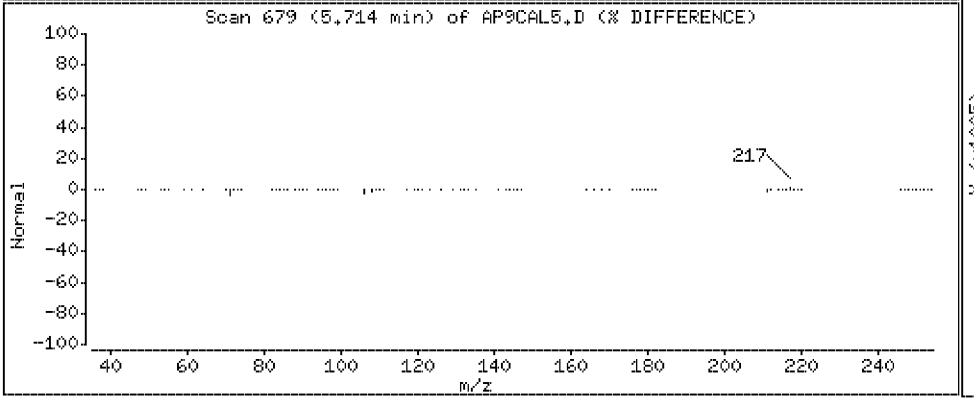
47 Hexachloropropene

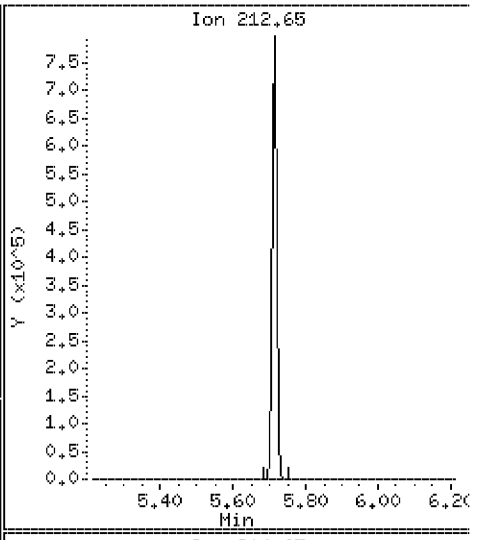
Concentration: 62.7 ug/l

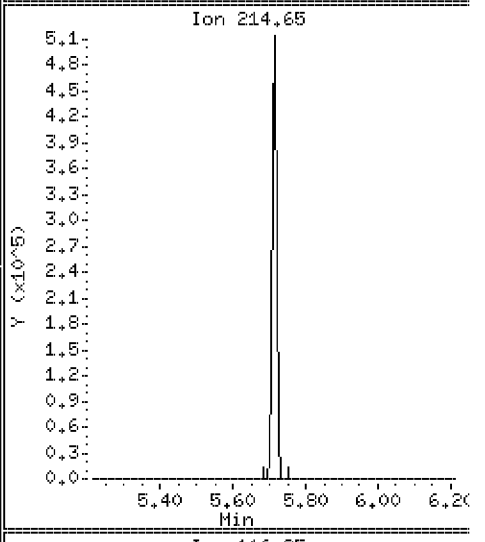


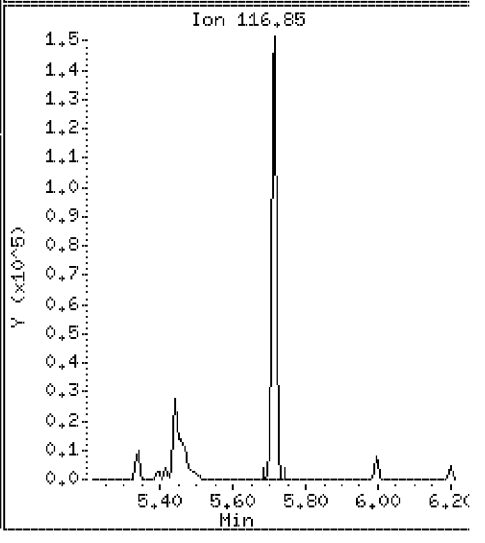












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

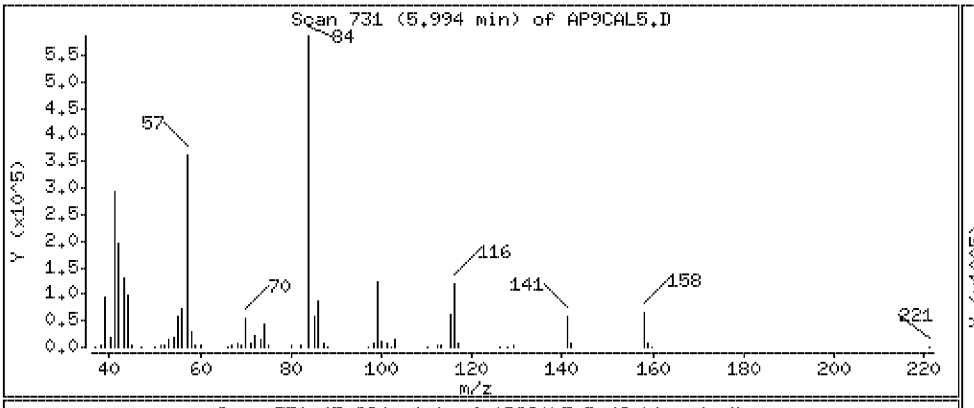
Operator: PEL

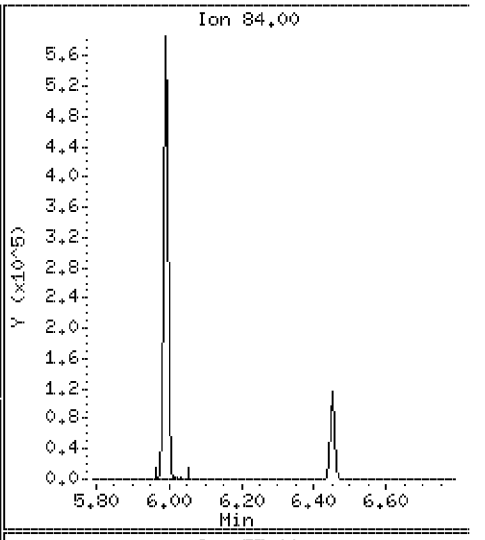
Column phase: HPMS-5

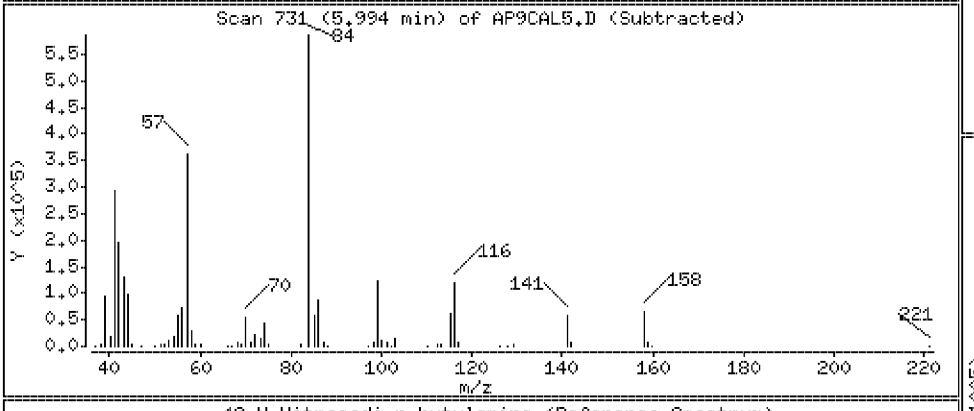
Column diameter: 0.25

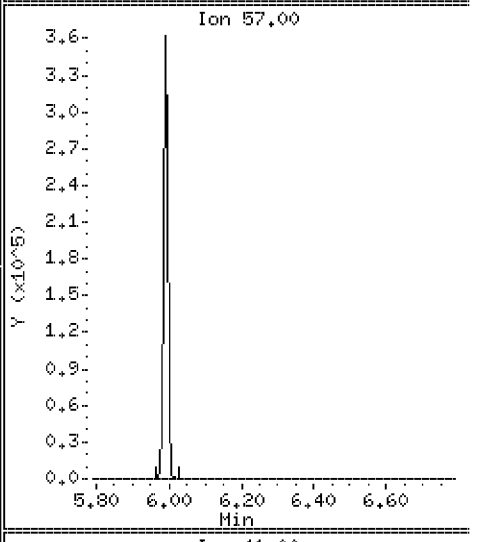
49 N-Nitrosodi-n-butylamine

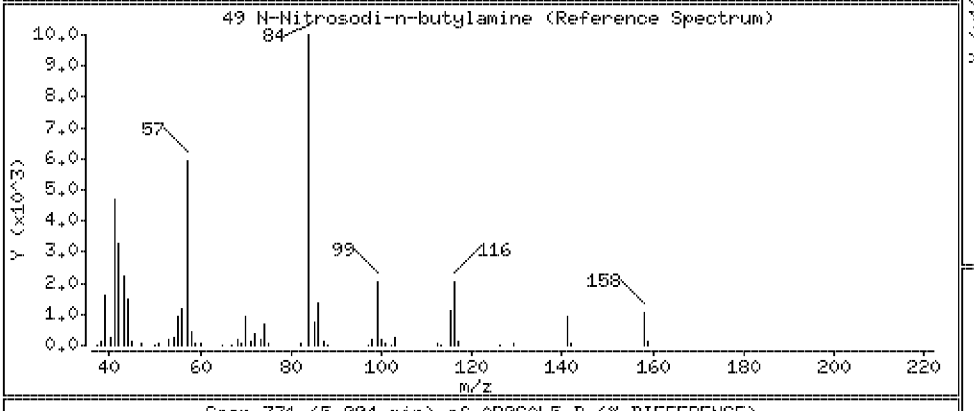
Concentration: 62.4 ug/l

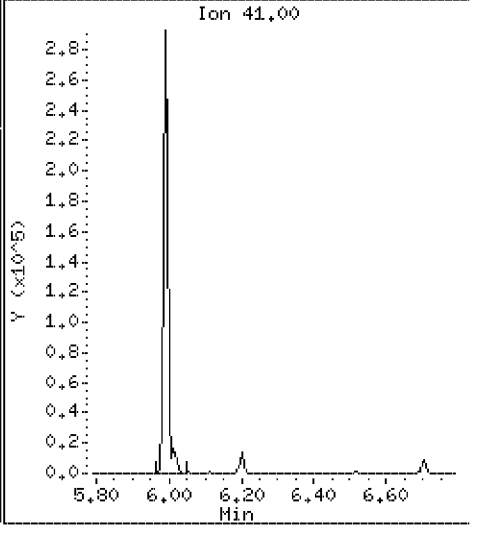


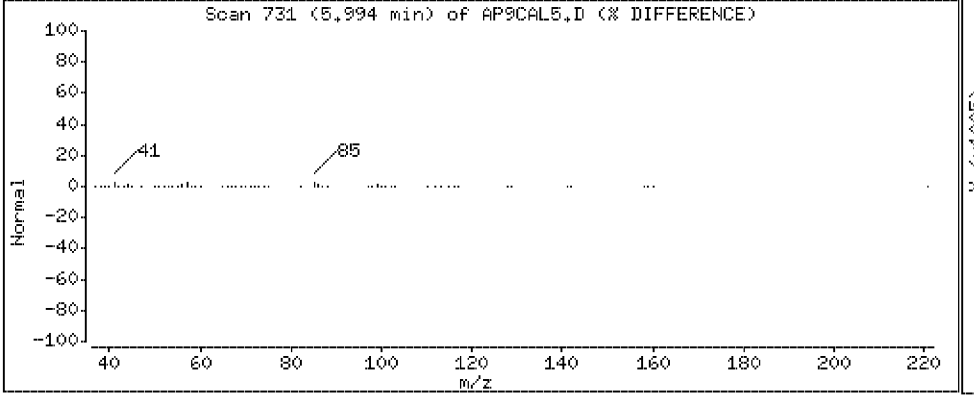












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

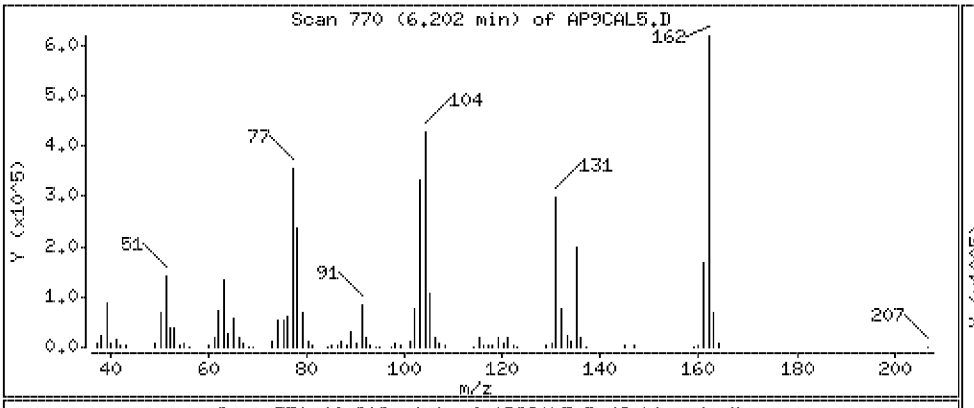
Operator: PEL

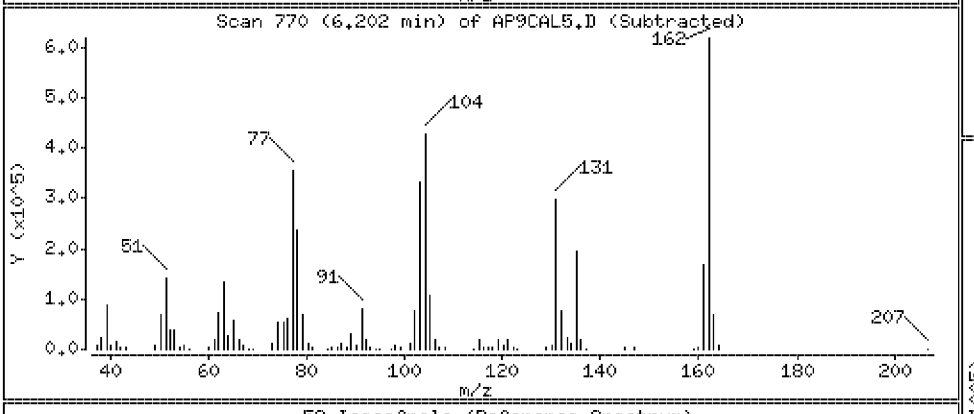
Column phase: HPMS-5

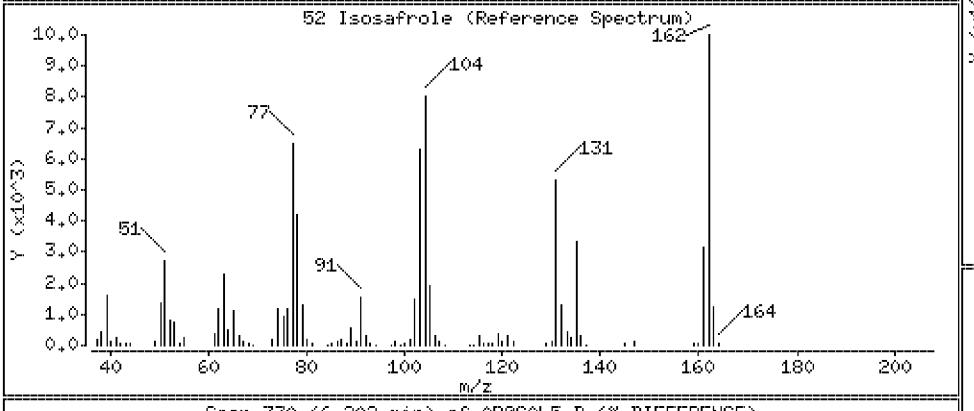
Column diameter: 0.25

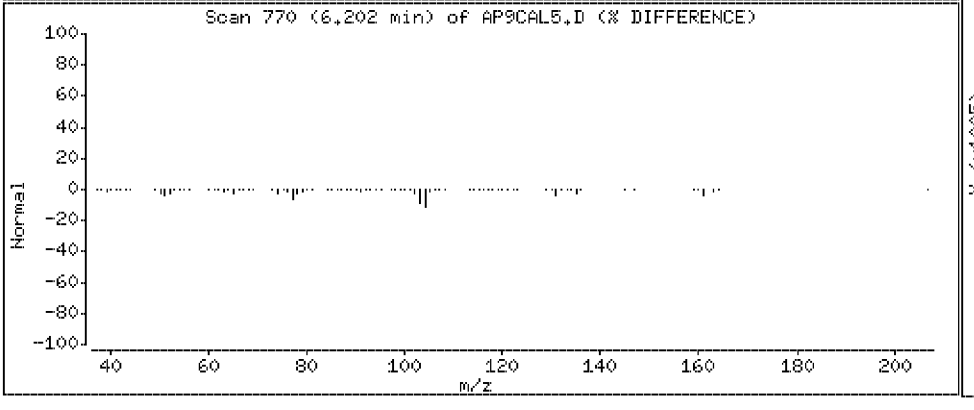
52 Isosafrole

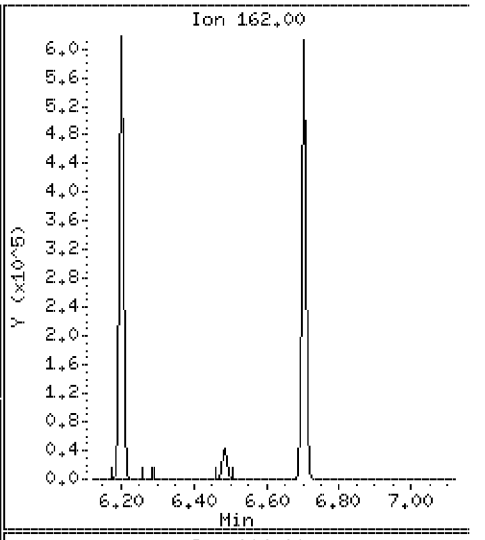
Concentration: 61.8 ug/l

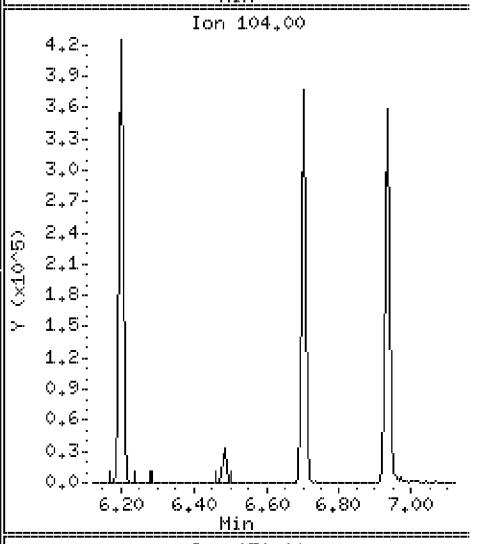


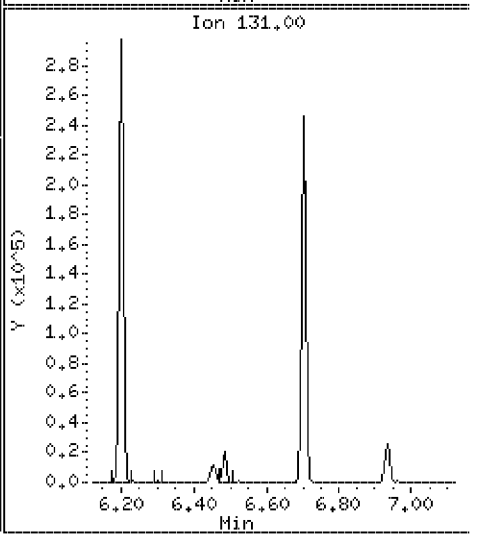












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

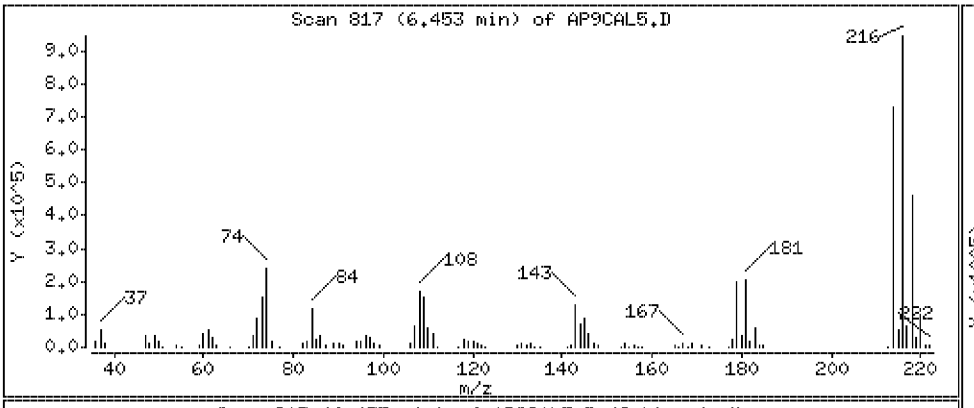
Operator: PEL

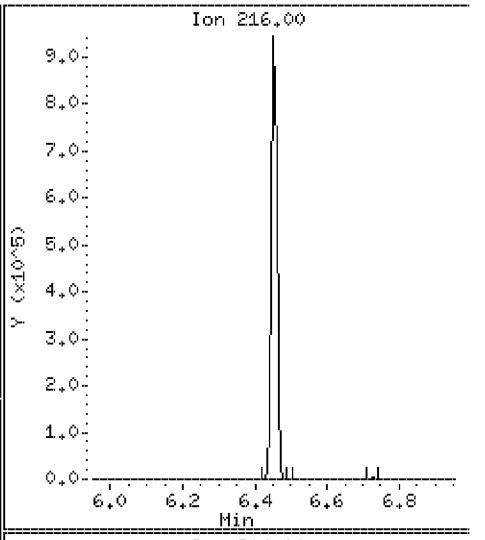
Column phase: HPMS-5

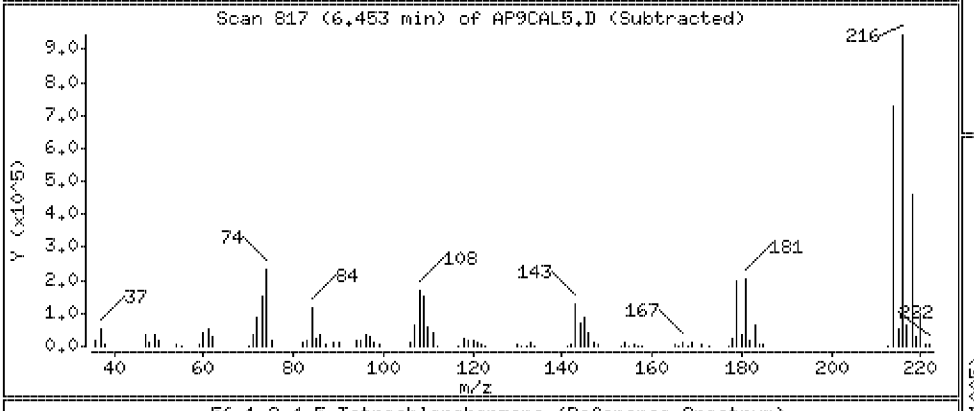
Column diameter: 0.25

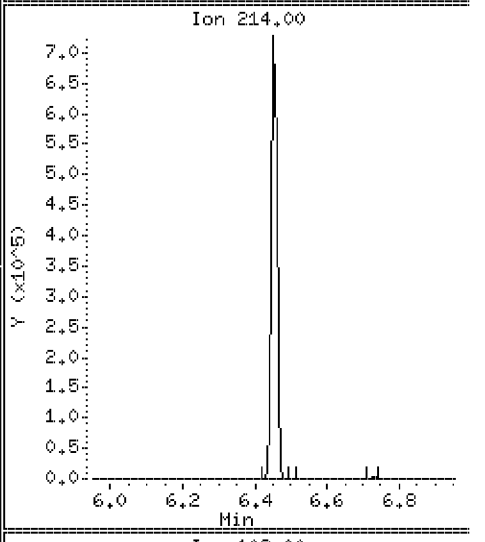
56 1,2,4,5-Tetrachlorobenzene

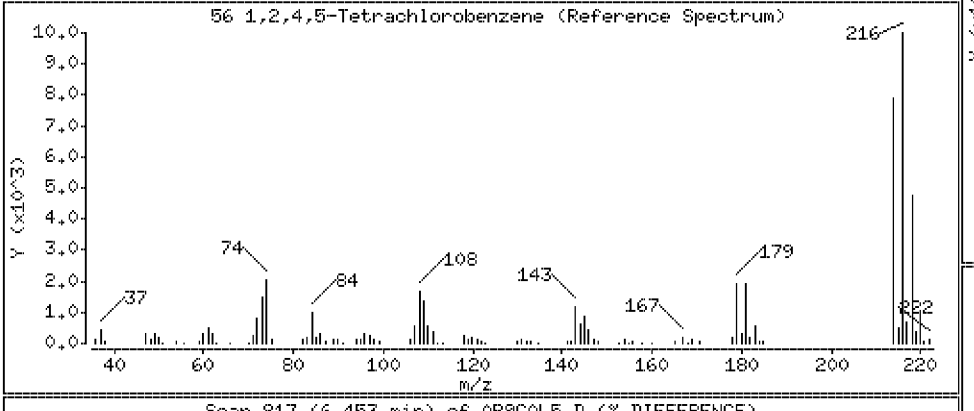
Concentration: 62.7 ug/l

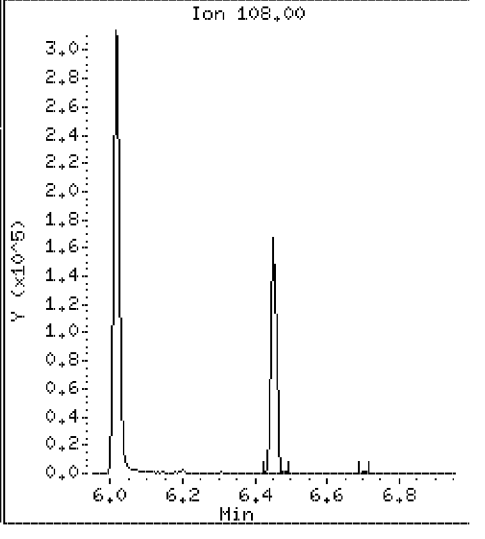


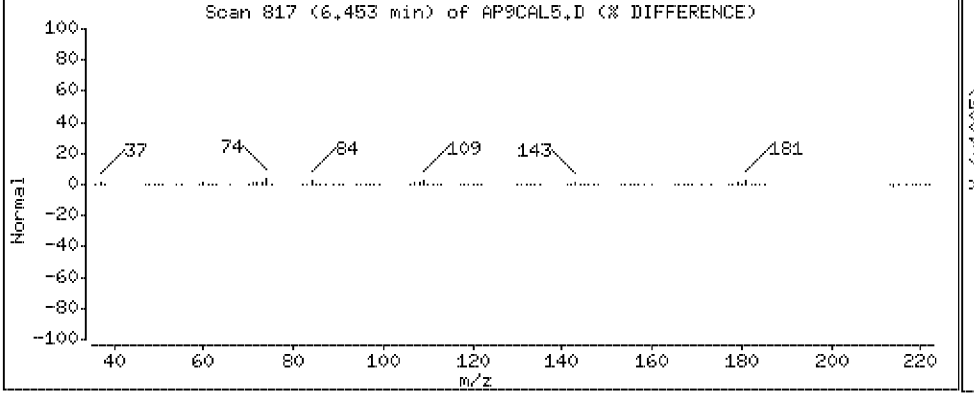












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

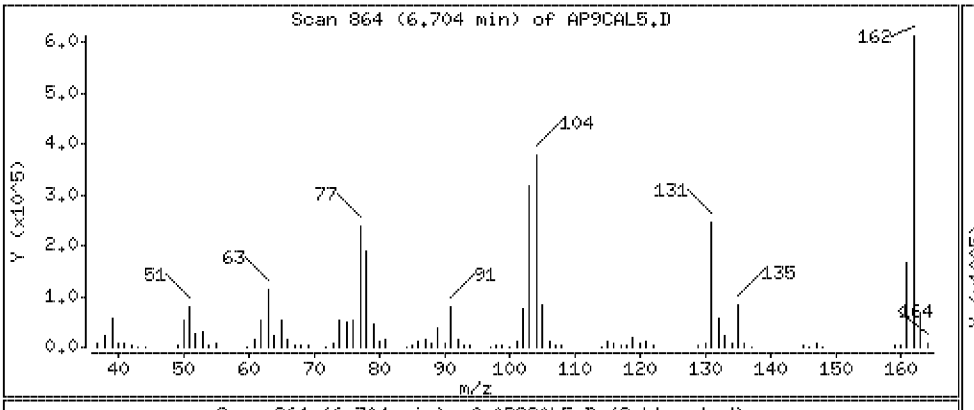
Operator: PEL

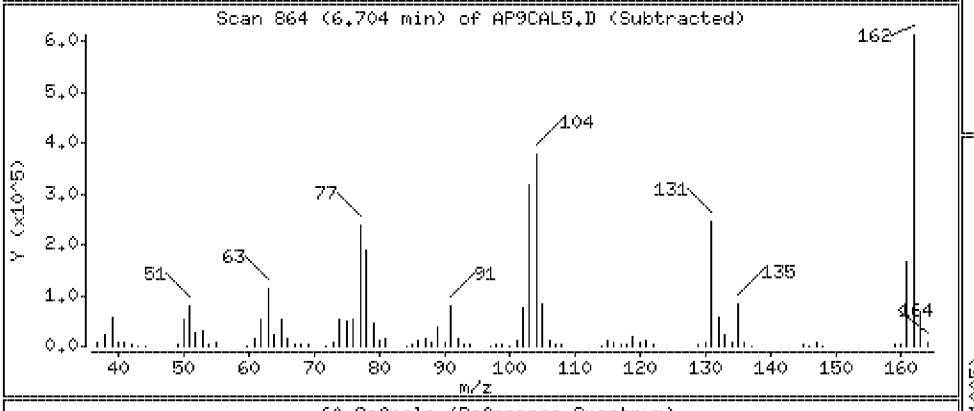
Column phase: HPMS-5

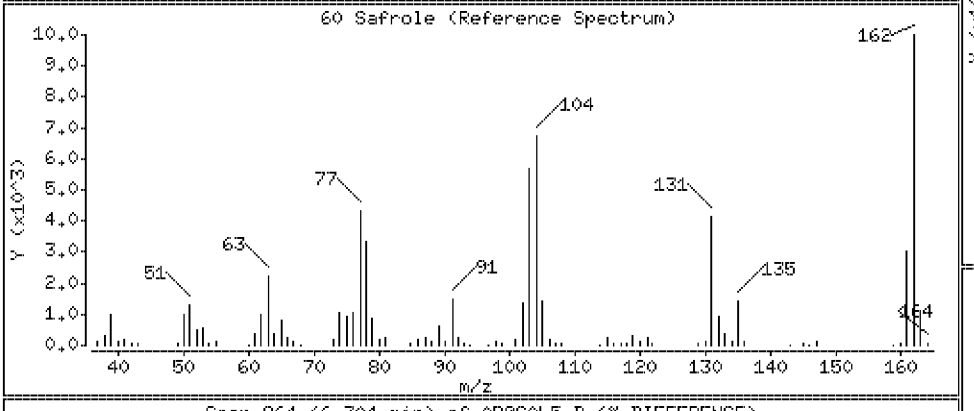
Column diameter: 0.25

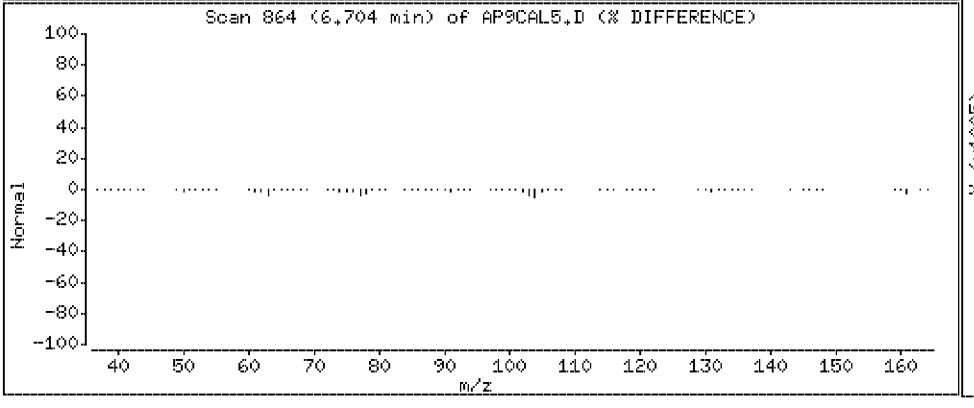
60 Safrole

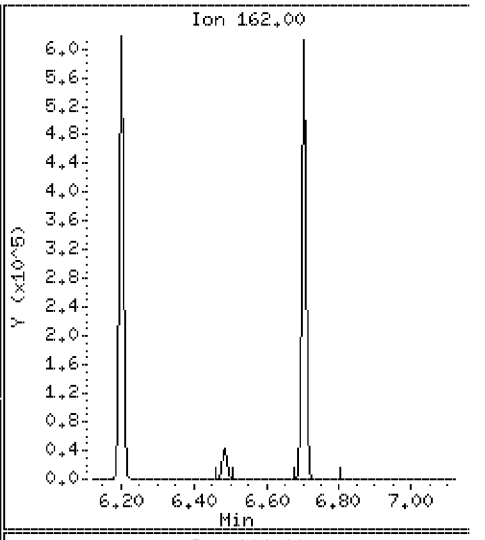
Concentration: 64.1 ug/l

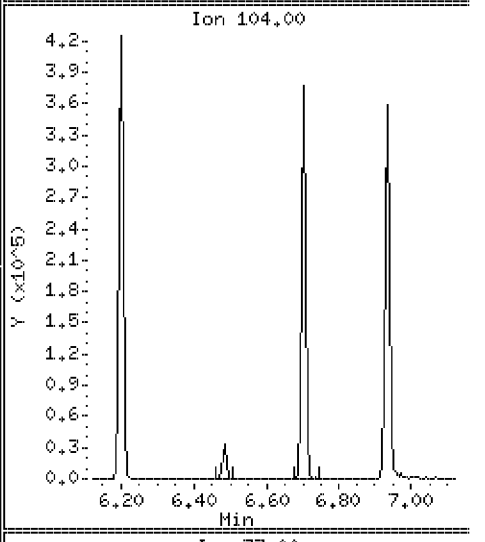


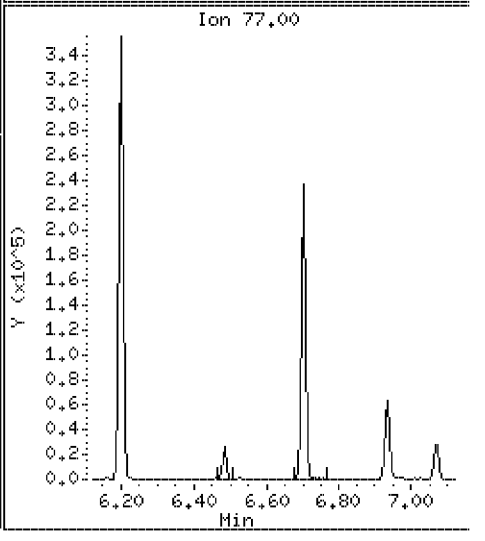












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

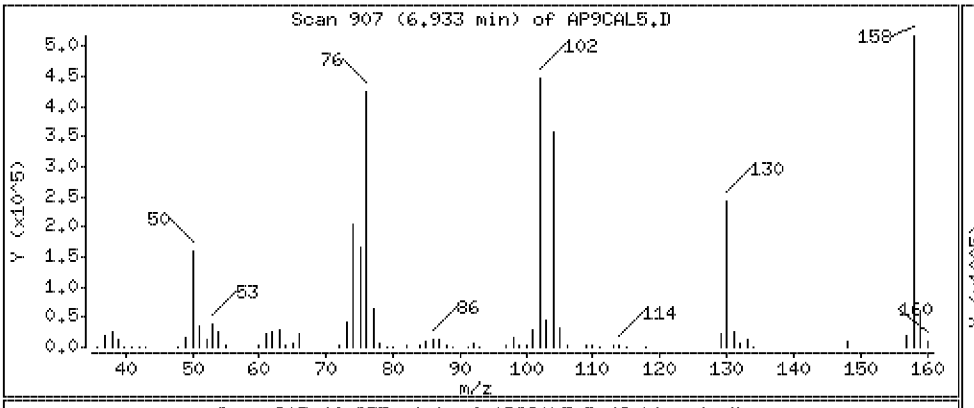
Operator: PEL

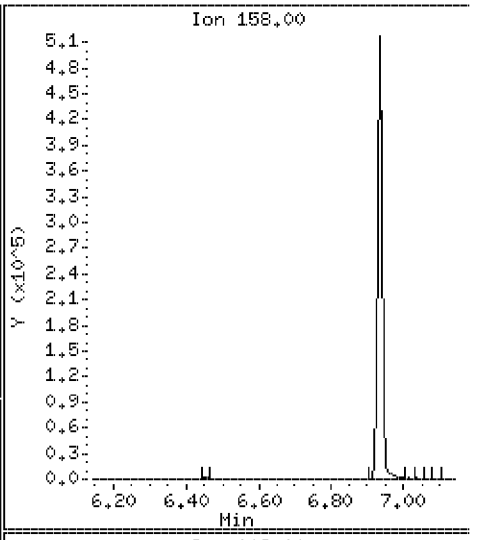
Column phase: HPMS-5

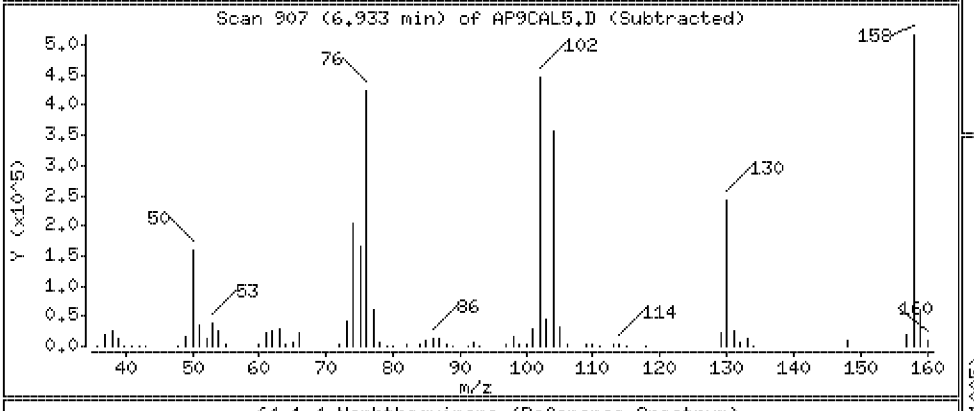
Column diameter: 0.25

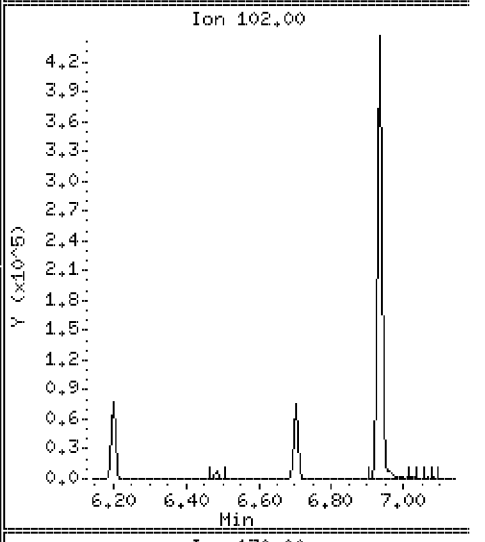
64 1,4-Naphthoquinone

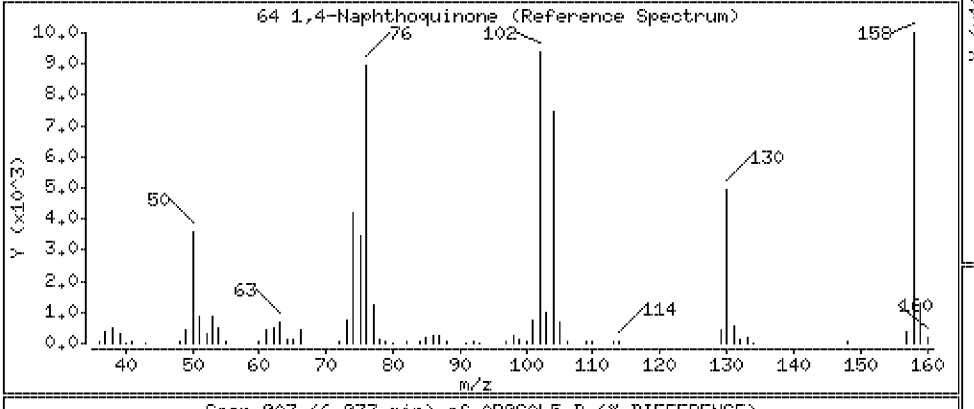
Concentration: 64.2 ug/l

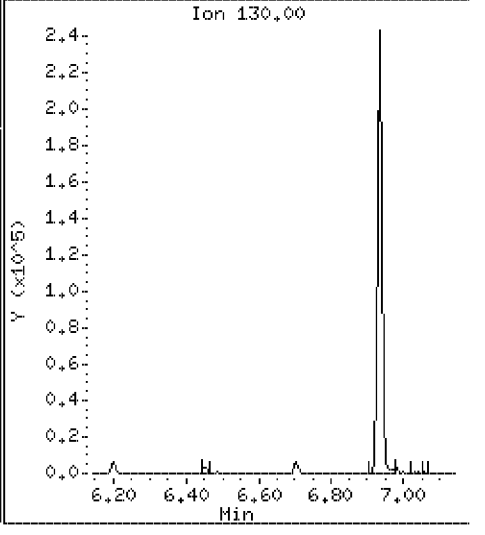


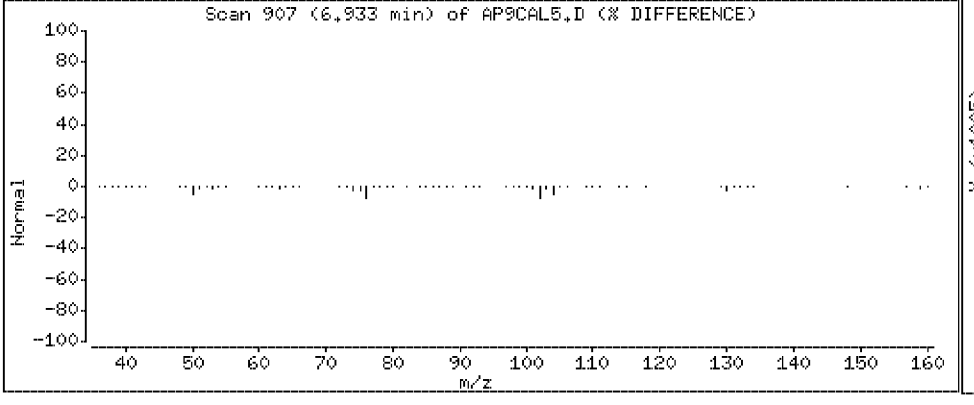












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

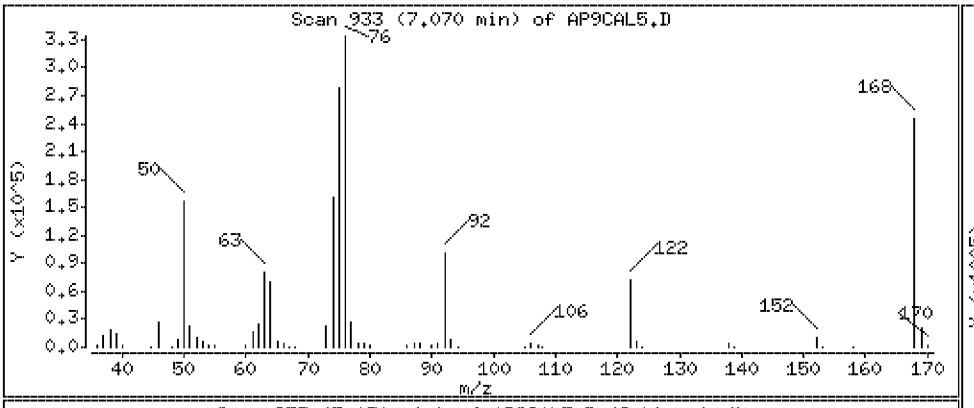
Operator: PEL

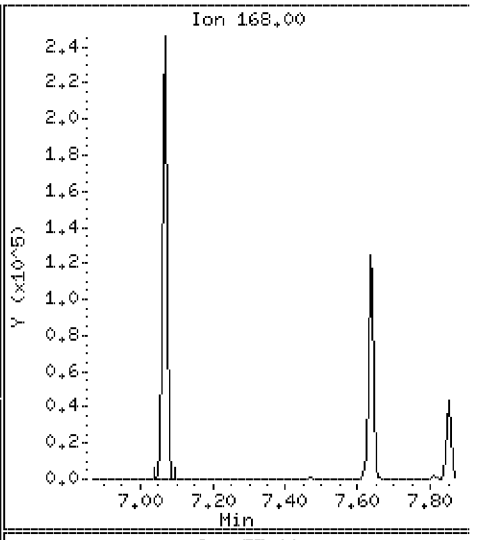
Column phase: HPMS-5

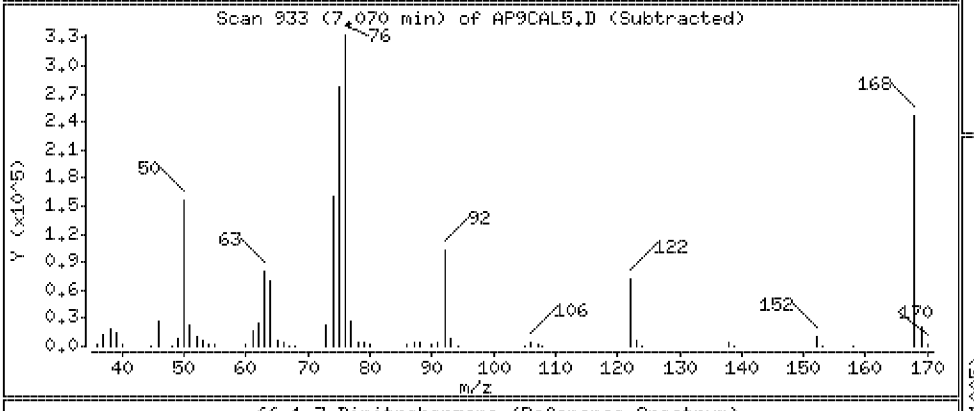
Column diameter: 0.25

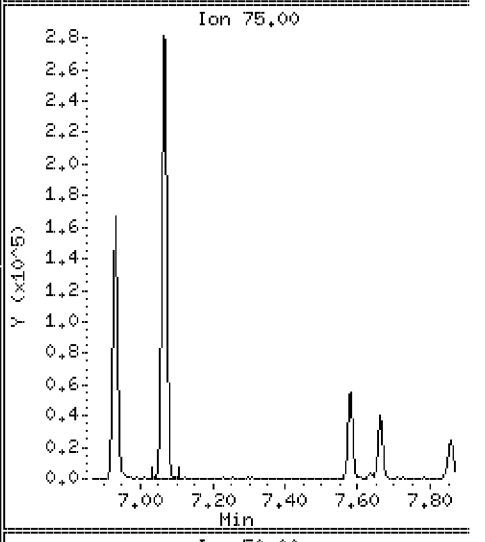
66 1,3-Dinitrobenzene

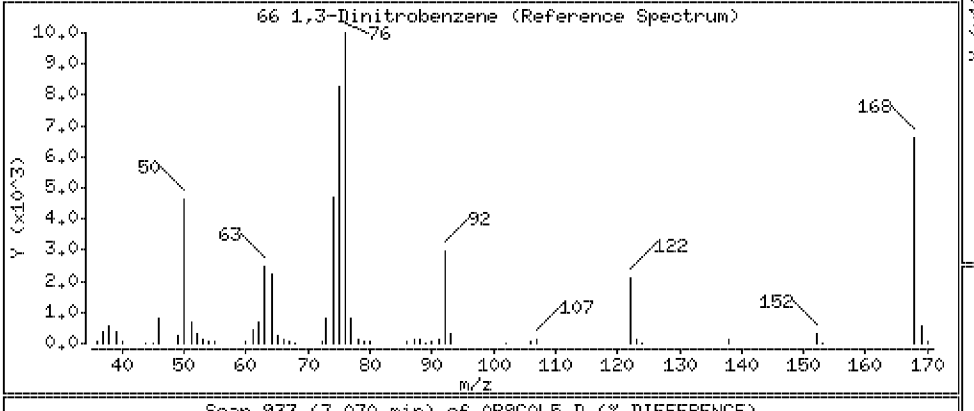
Concentration: 63.5 ug/l

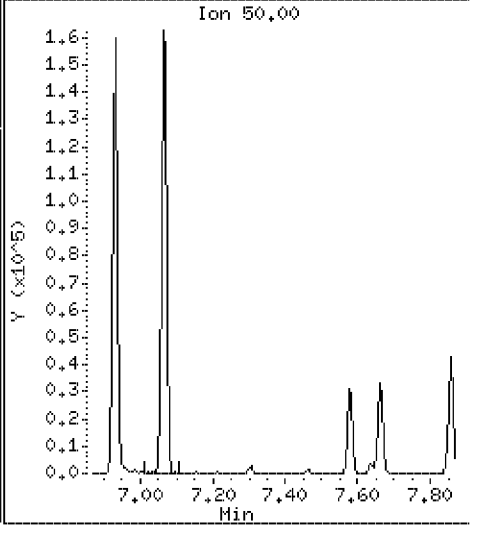


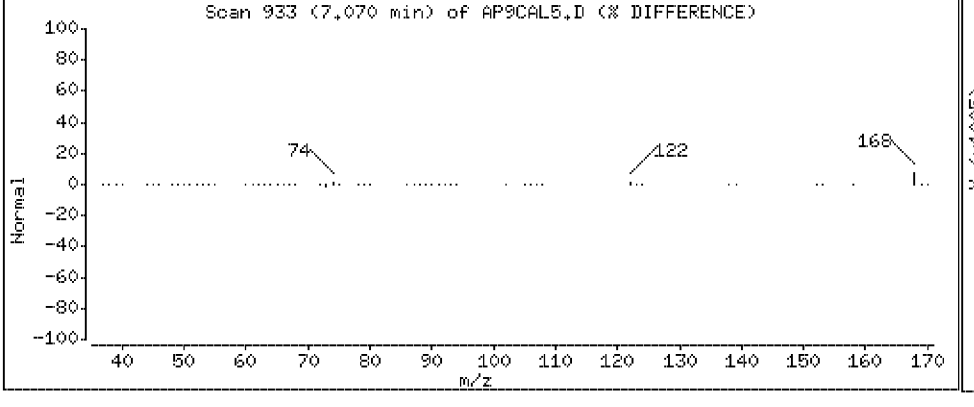












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

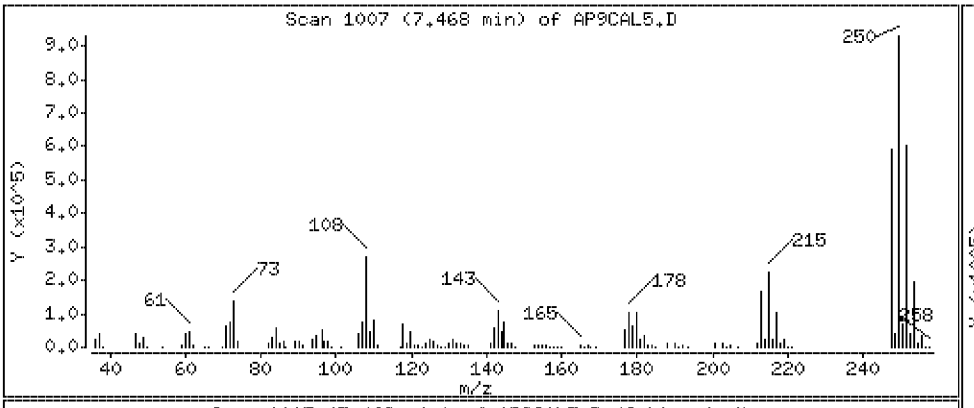
Client ID: AP9CAL5 Instrument: smsd03.i

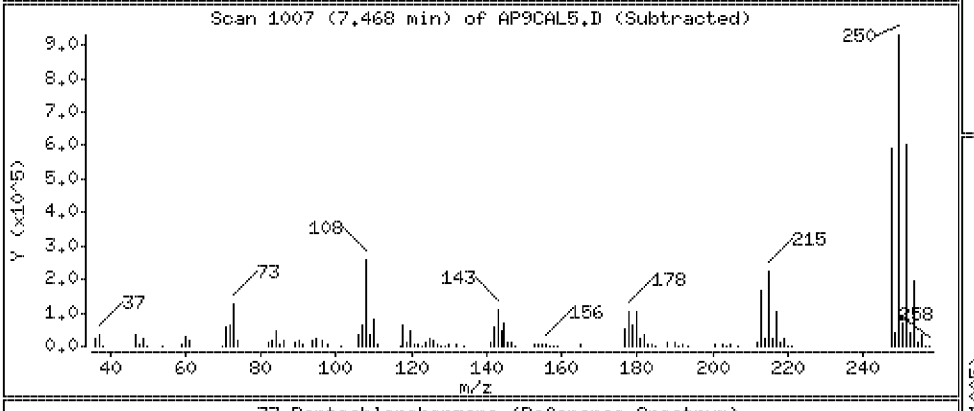
Sample Info: 45957

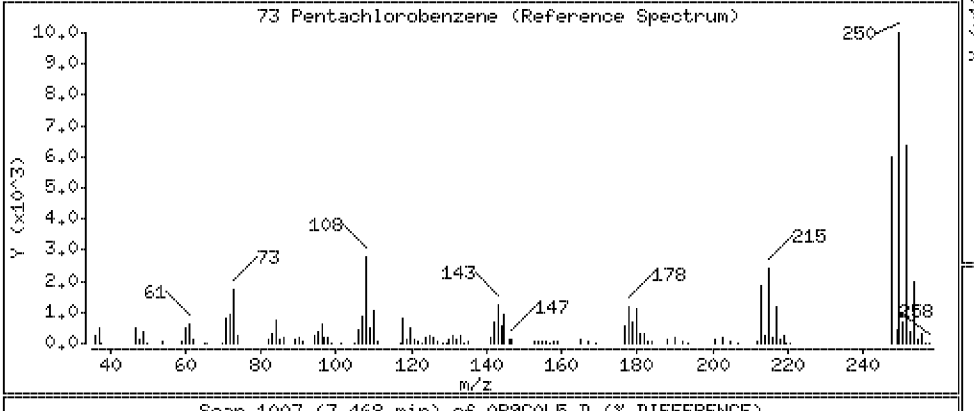
Purge Volume: 1000.0 Operator: PEL

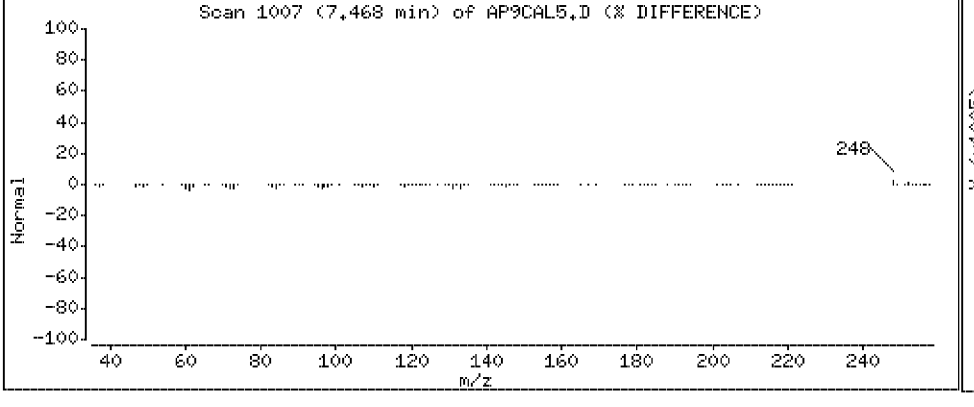
Column phase: HPMS-5 Column diameter: 0.25

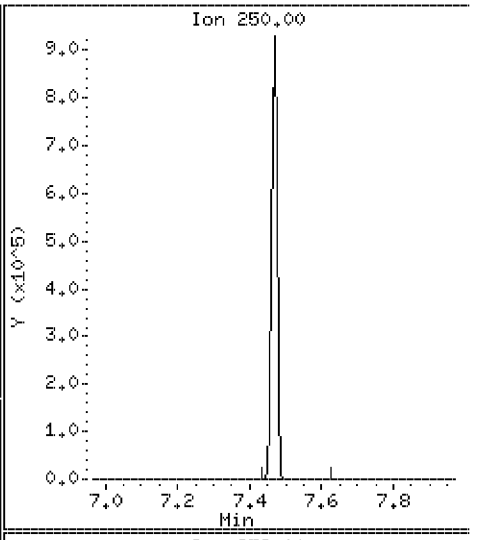
73 Pentachlorobenzene Concentration: 63.1 ug/l

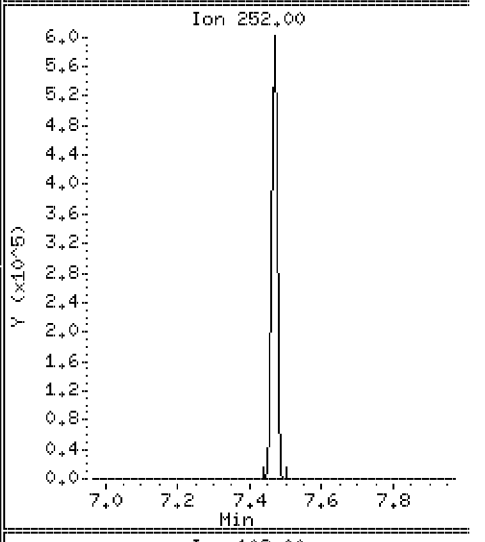


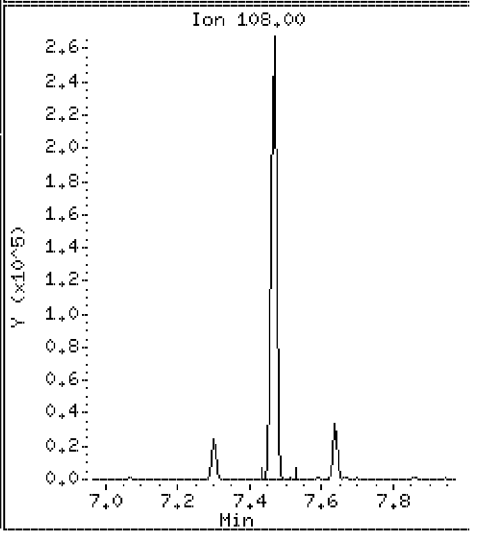












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

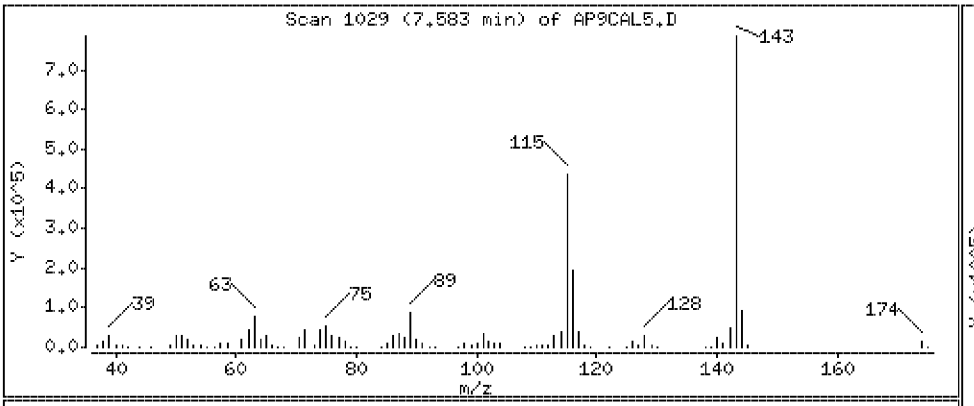
Operator: PEL

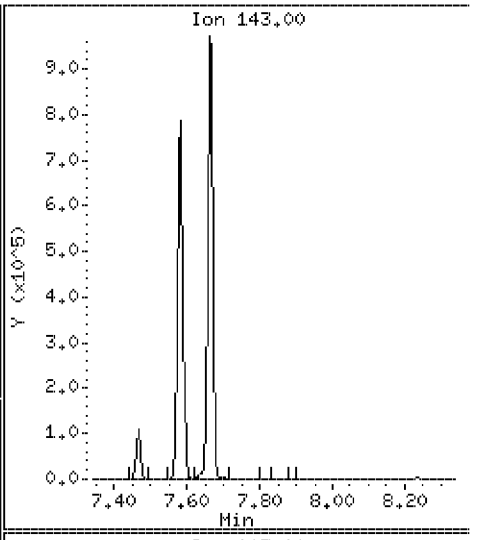
Column phase: HPMS-5

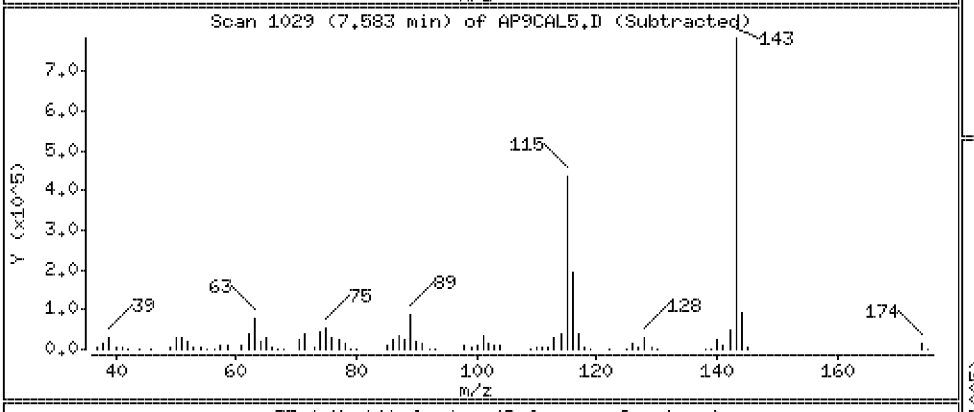
Column diameter: 0.25

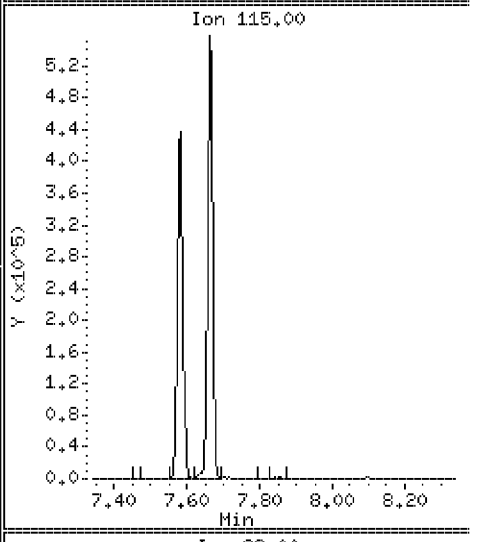
77 1-Naphthylamine

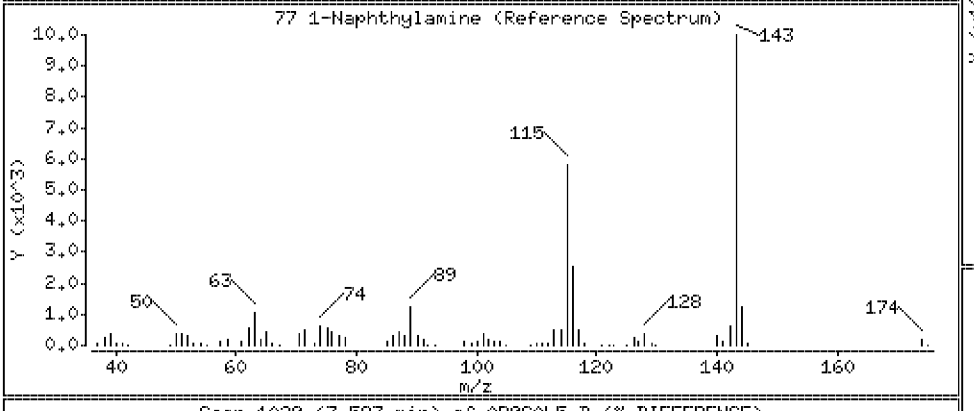
Concentration: 62.2 ug/l

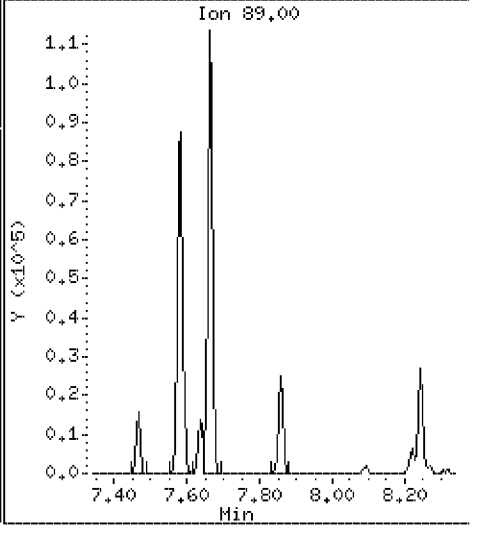


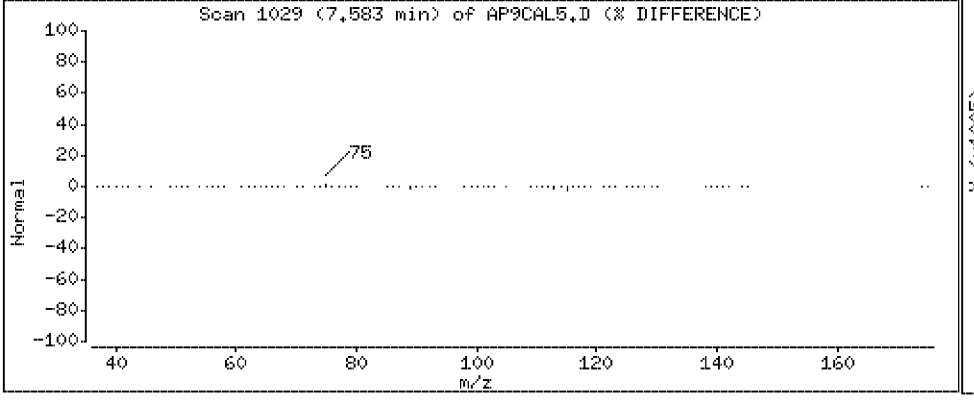












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

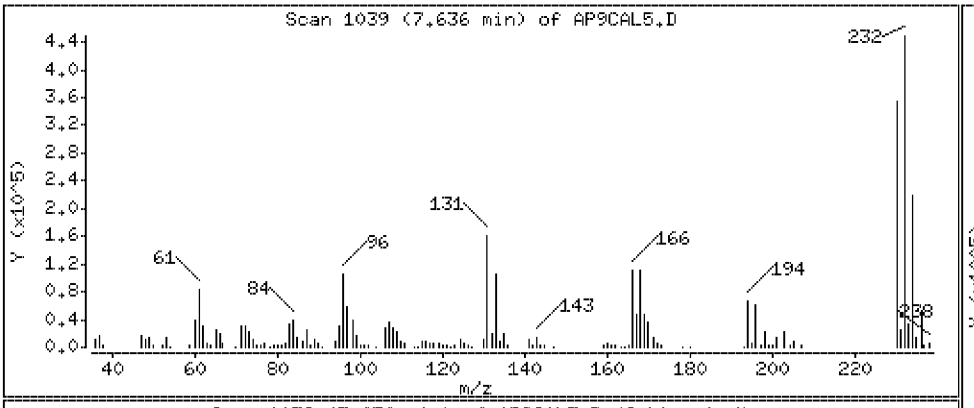
Operator: PEL

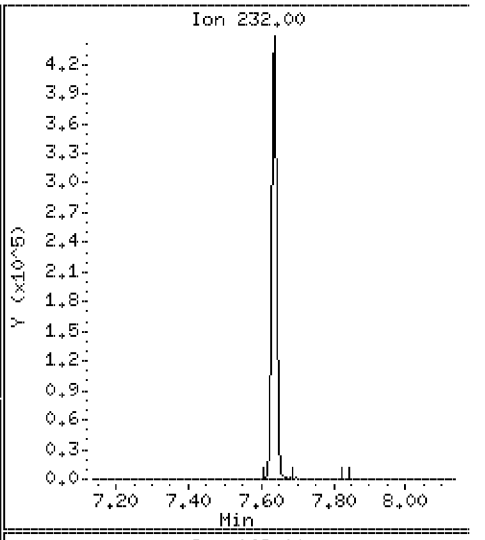
Column phase: HPMS-5

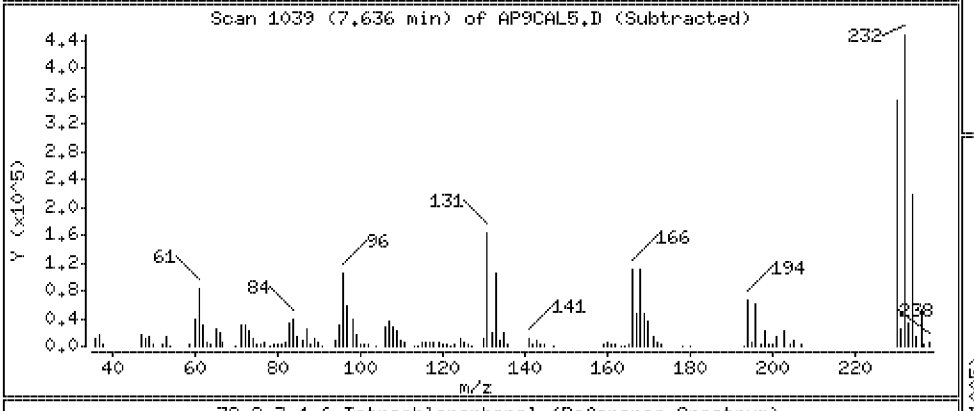
Column diameter: 0.25

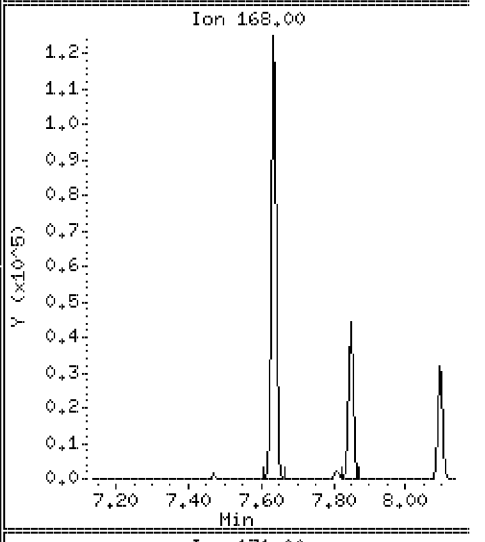
78 2,3,4,6-Tetrachlorophenol

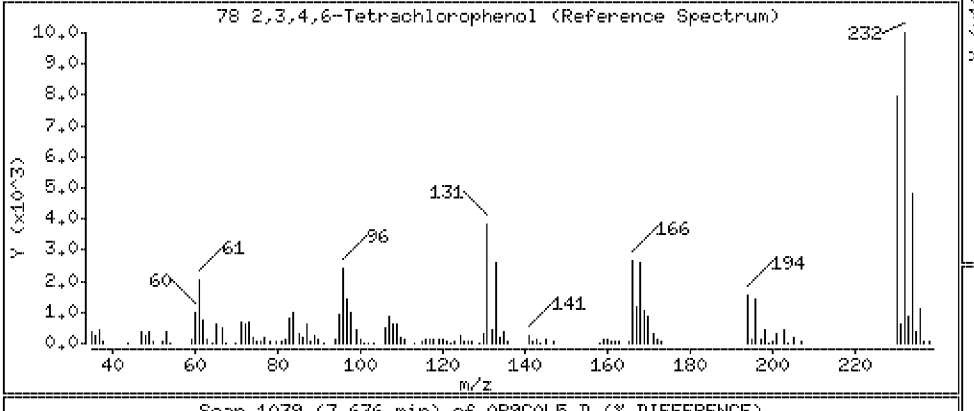
Concentration: 63.0 ug/l

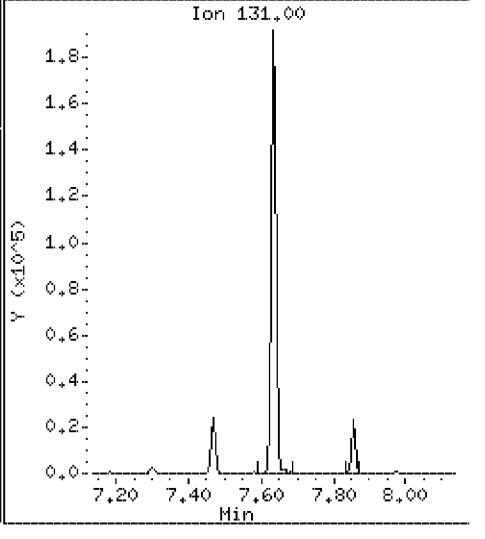


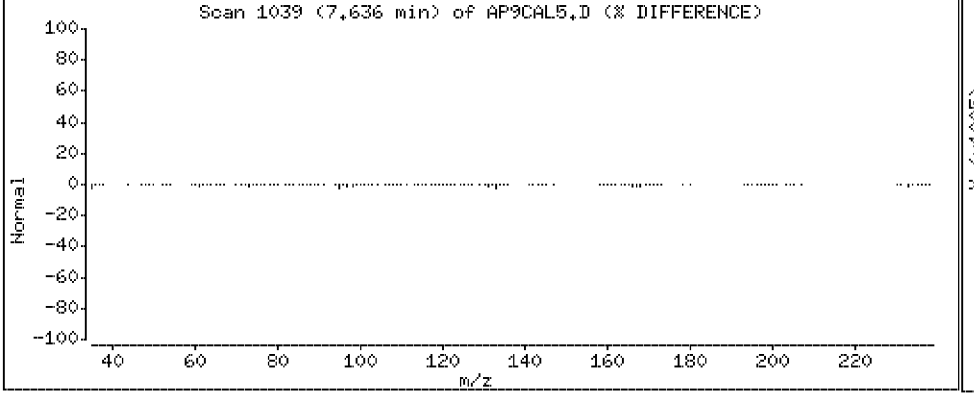












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

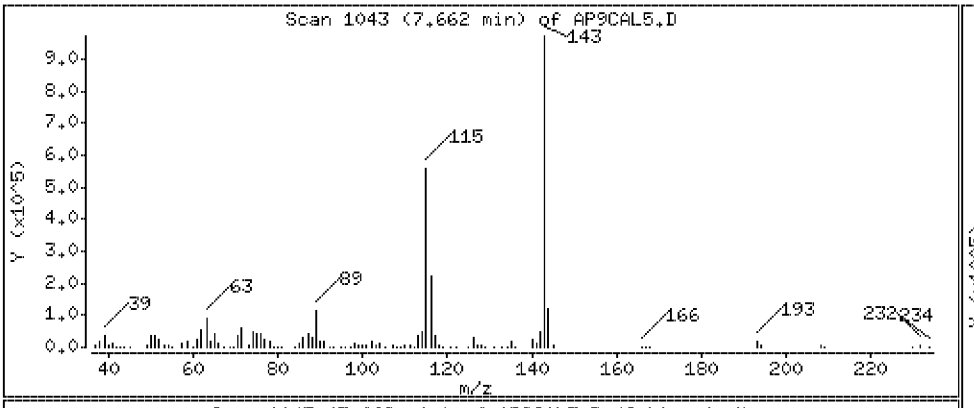
Operator: PEL

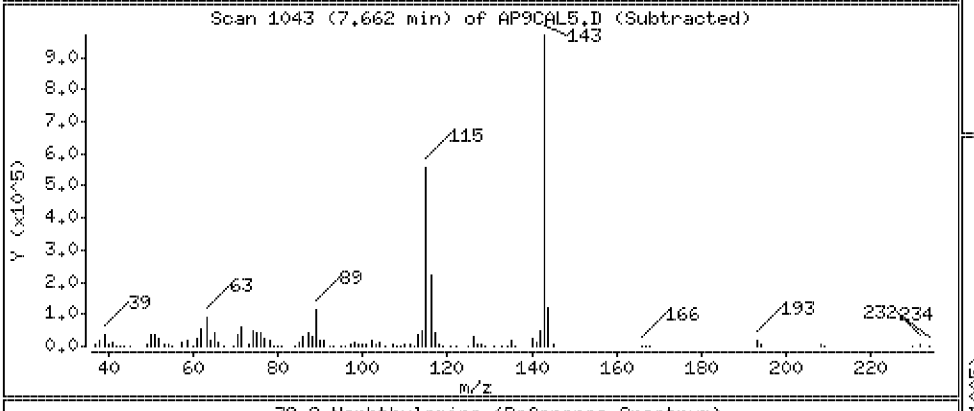
Column phase: HPMS-5

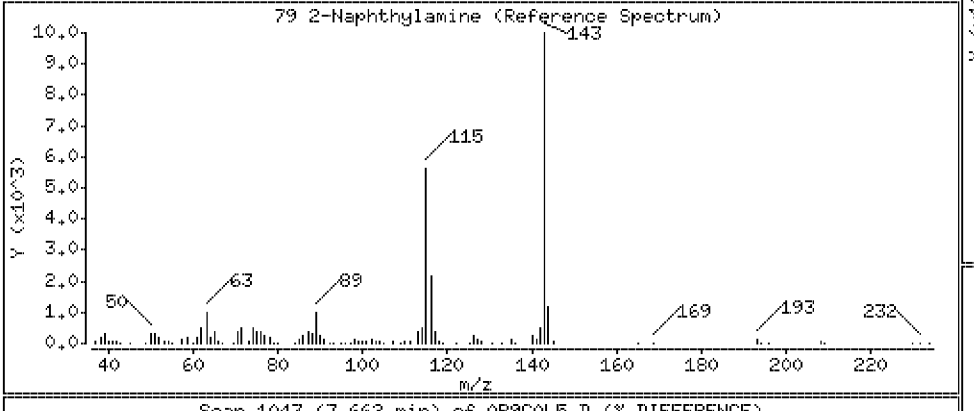
Column diameter: 0.25

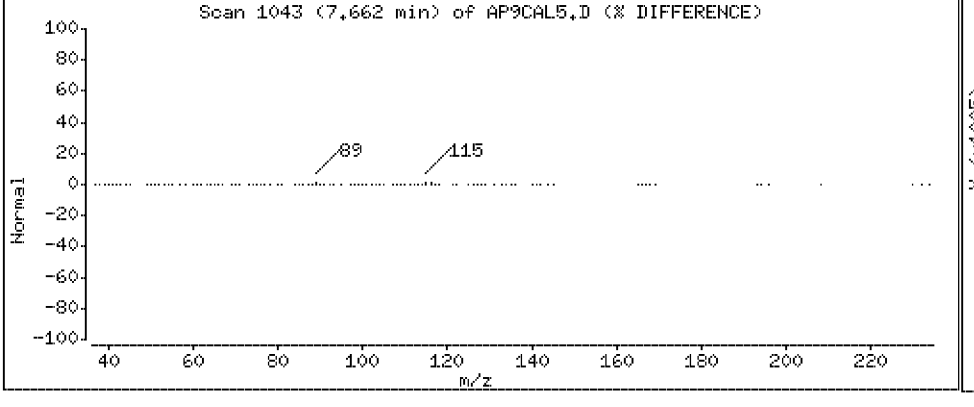
79 2-Naphthylamine

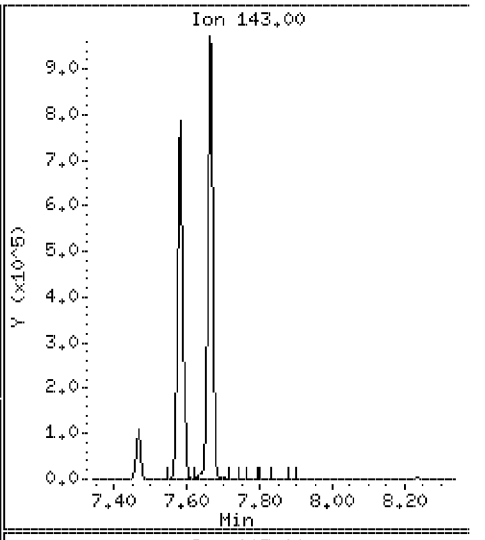
Concentration: 62.1 ug/l

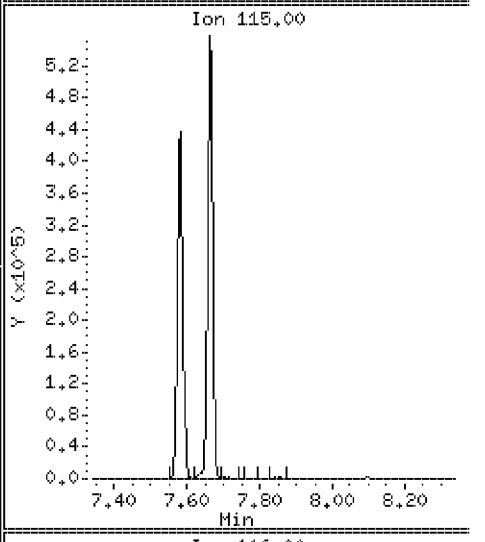


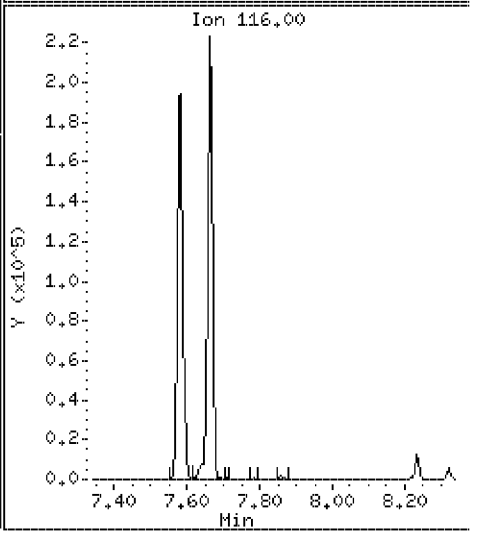












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

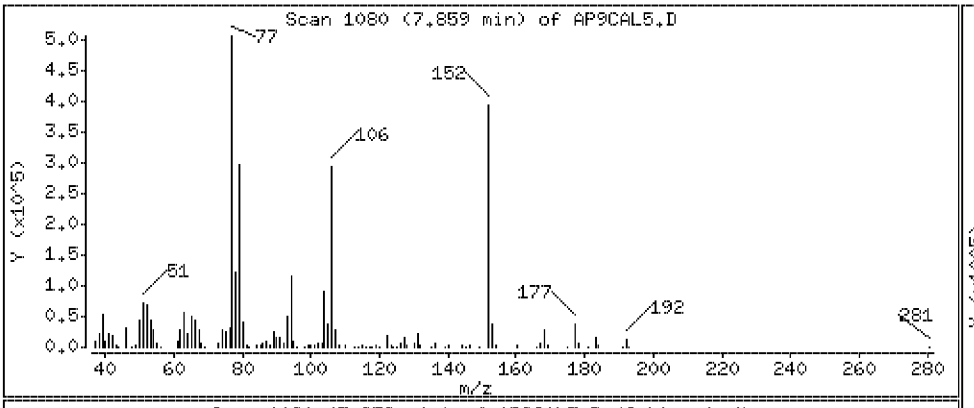
Operator: PEL

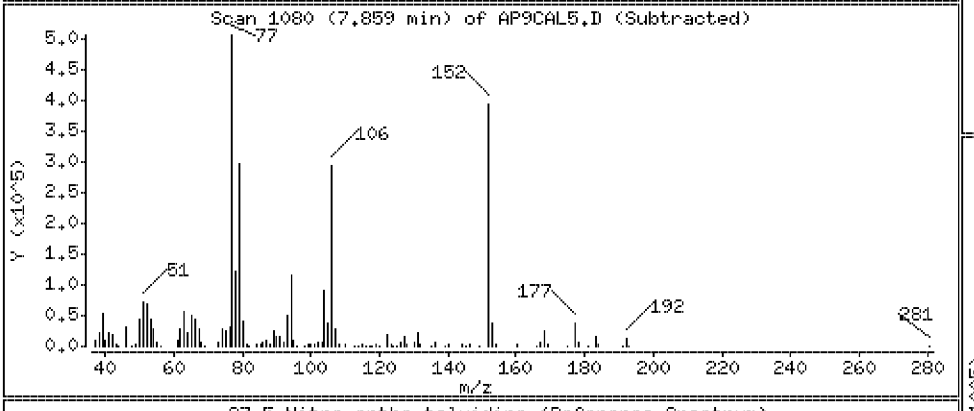
Column phase: HPMS-5

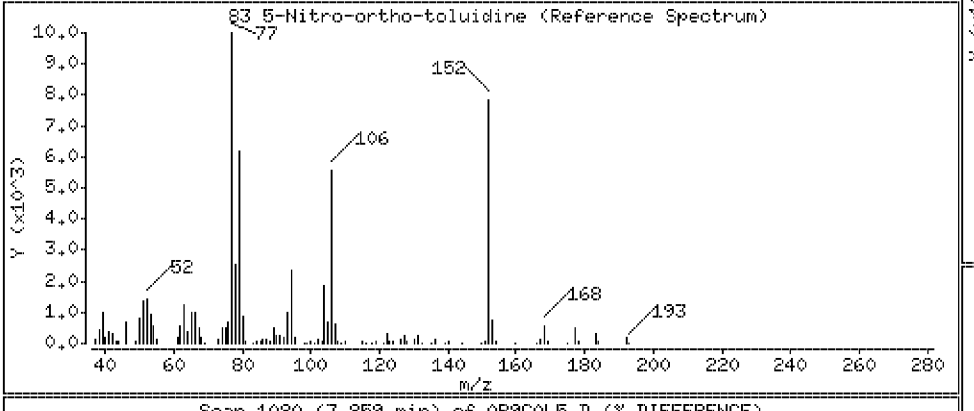
Column diameter: 0.25

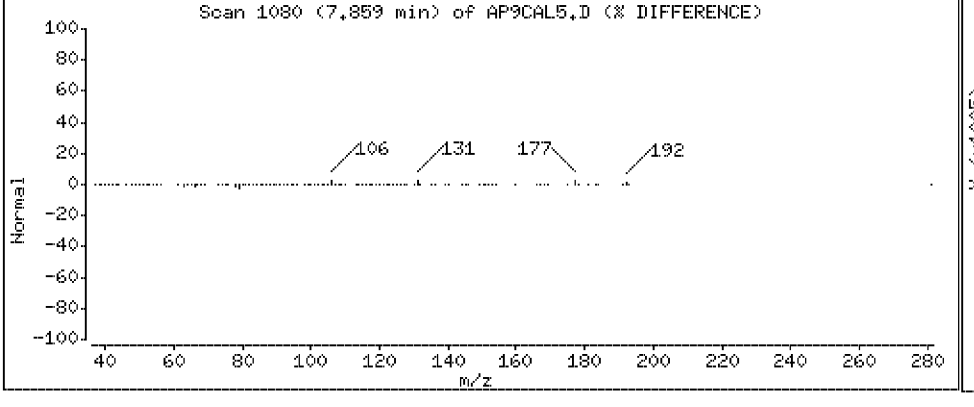
83 5-Nitro-ortho-toluidine

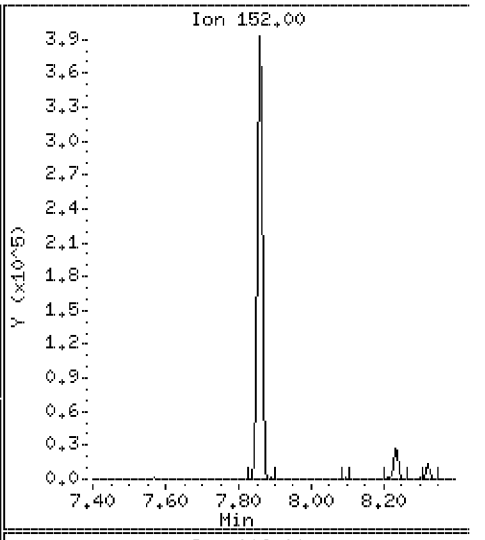
Concentration: 63.5 ug/l

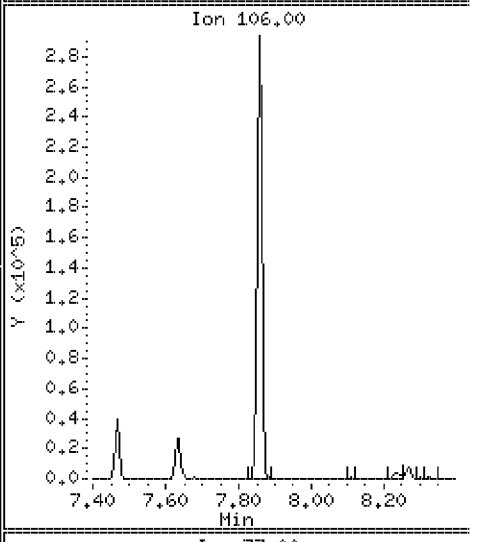


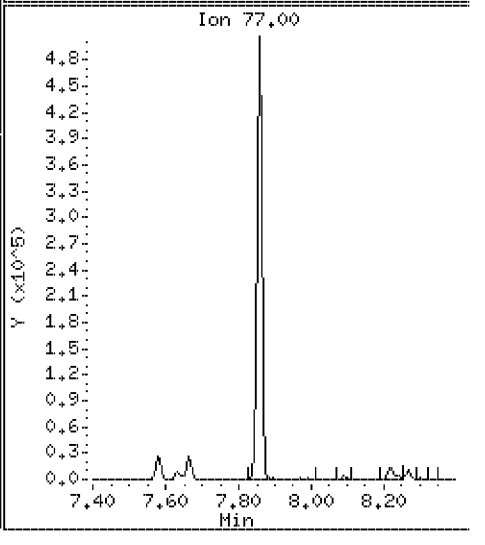












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

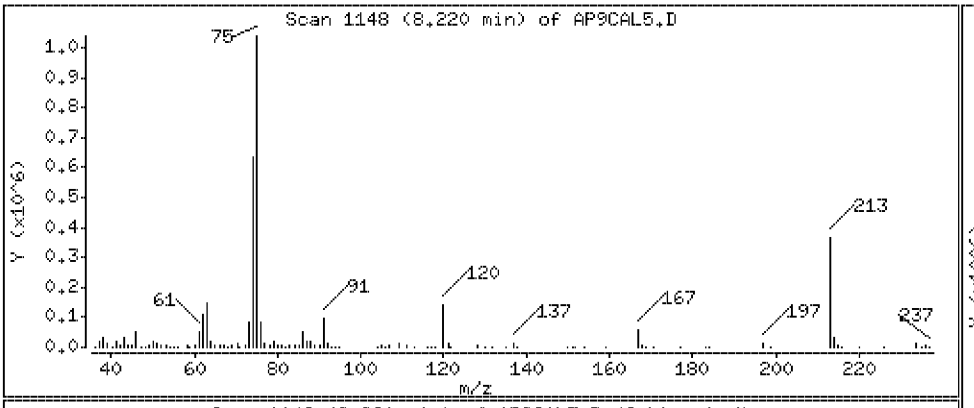
Operator: PEL

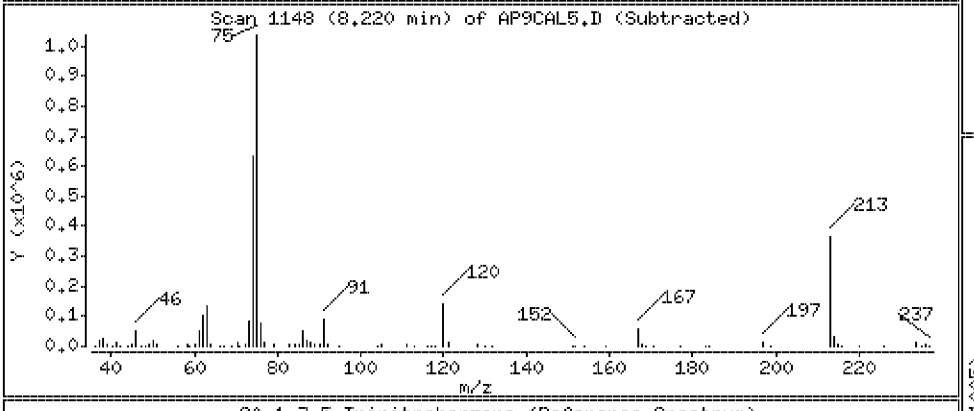
Column phase: HPMS-5

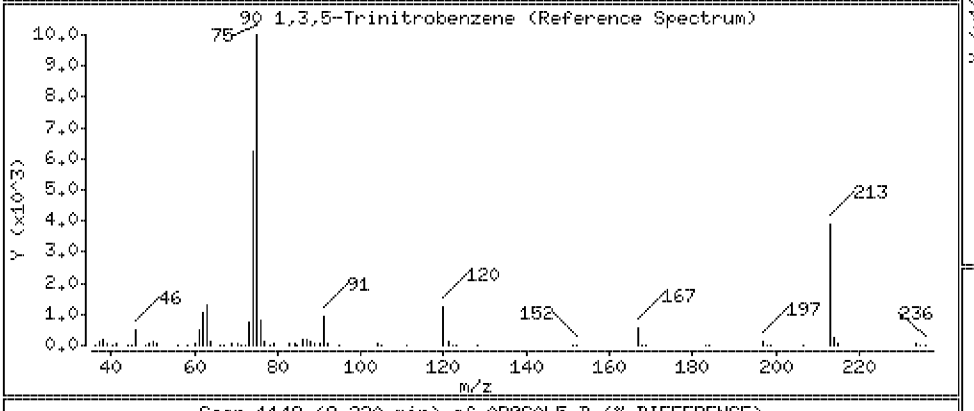
Column diameter: 0.25

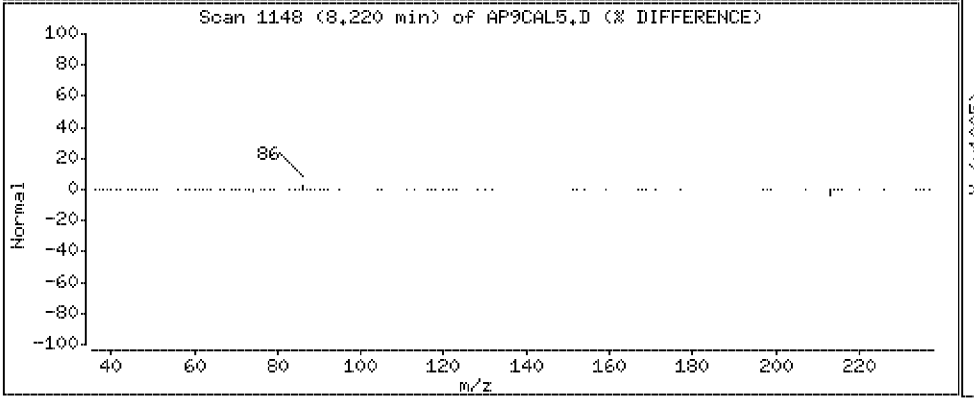
90 1,3,5-Trinitrobenzene

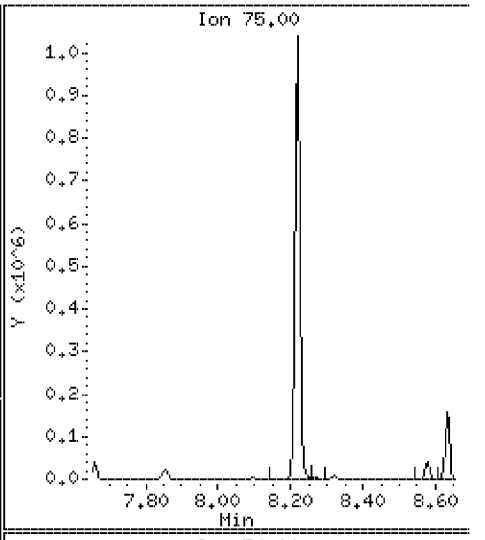
Concentration: 58.3 ug/l

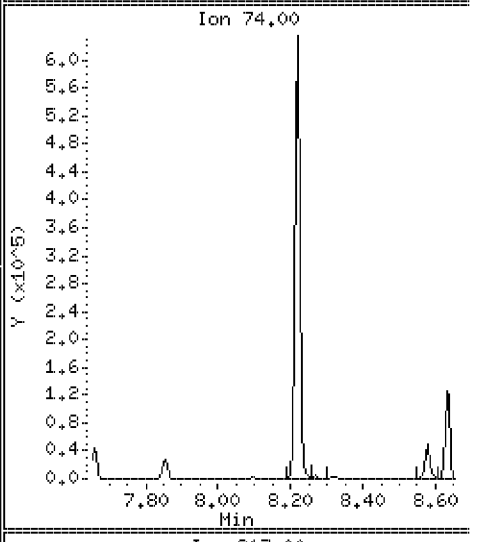


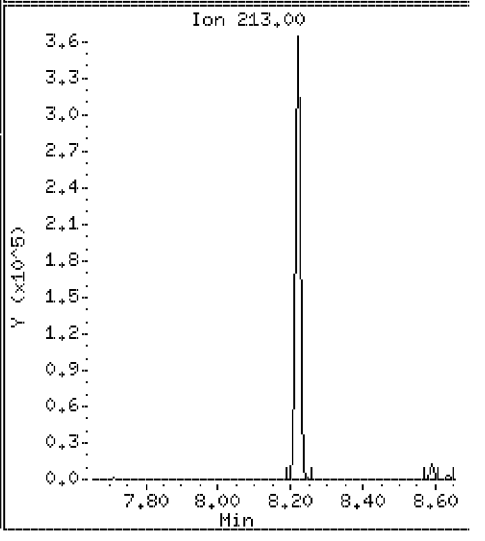












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

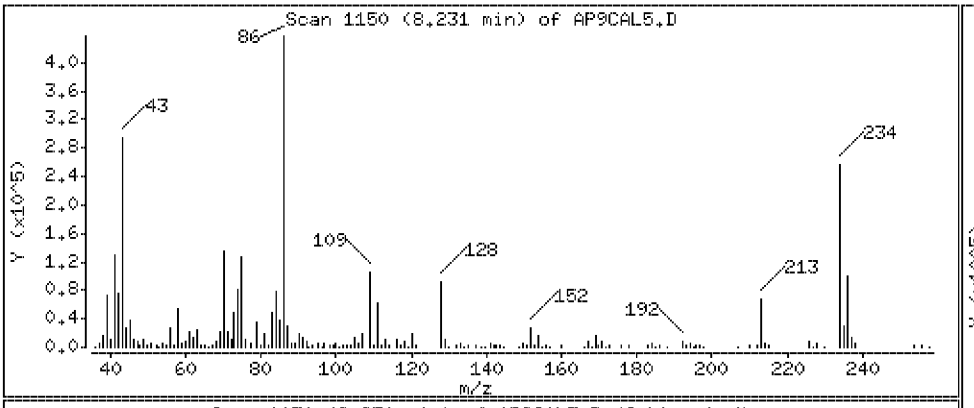
Operator: PEL

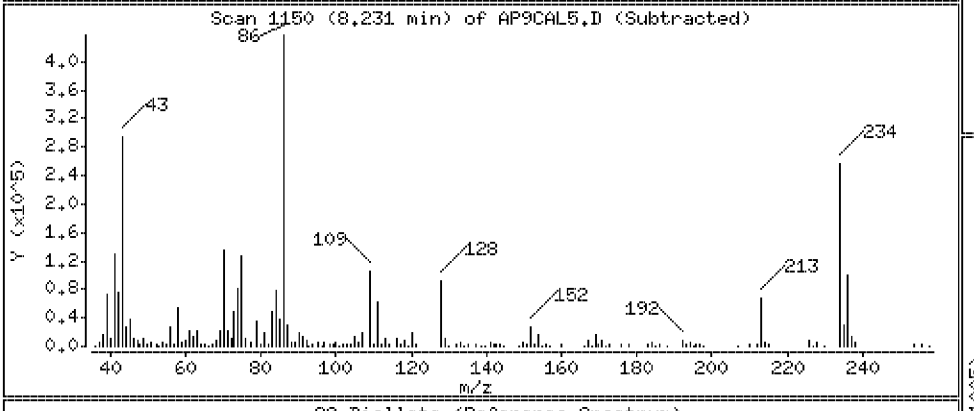
Column phase: HPMS-5

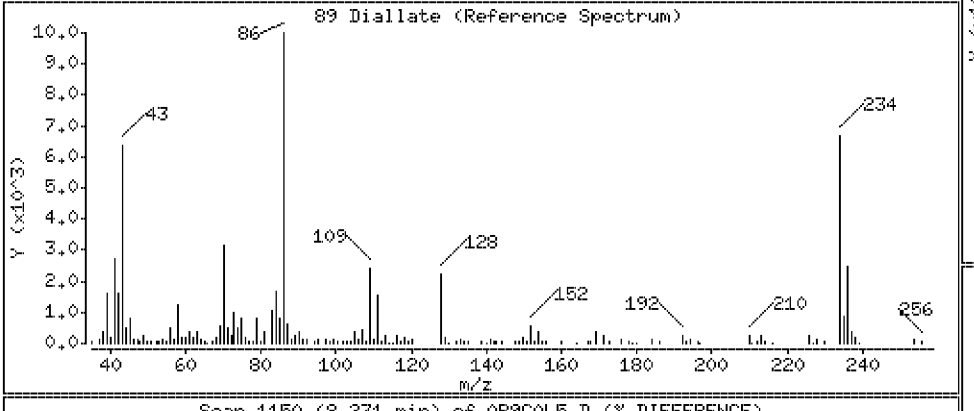
Column diameter: 0.25

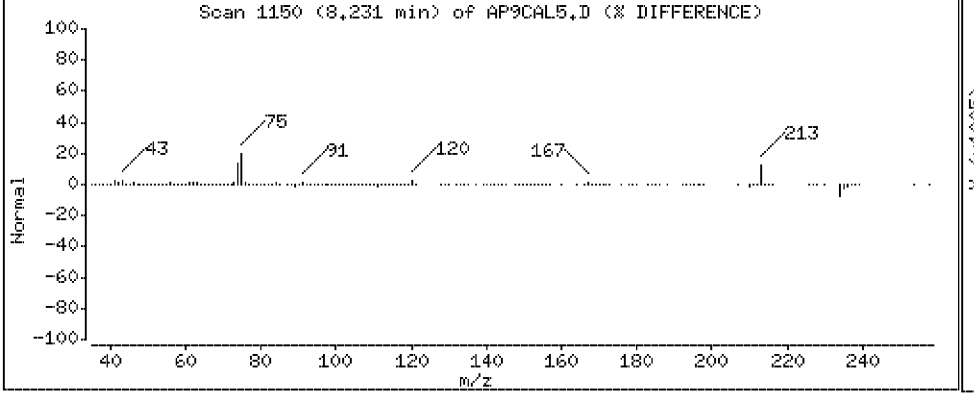
89 Diallate

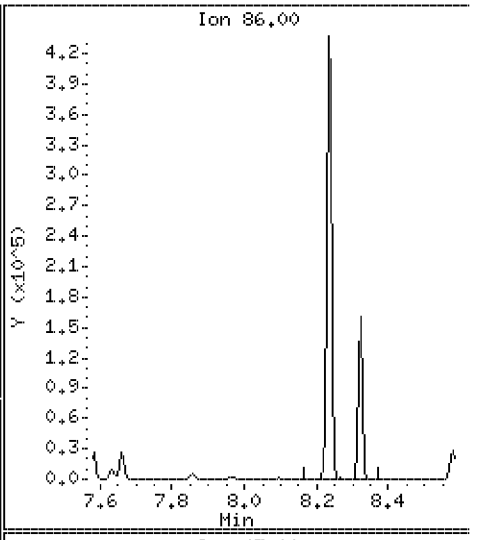
Concentration: 62.4 ug/l

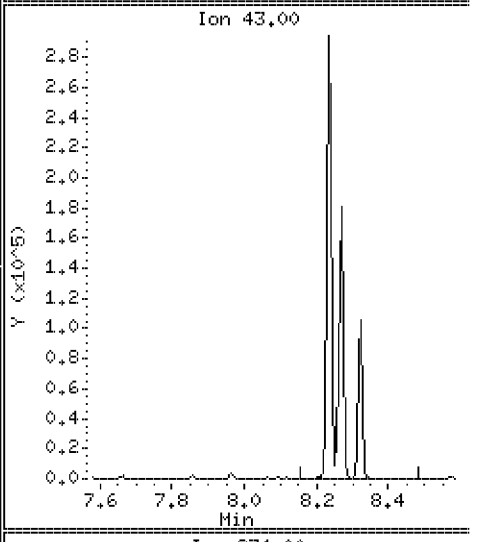


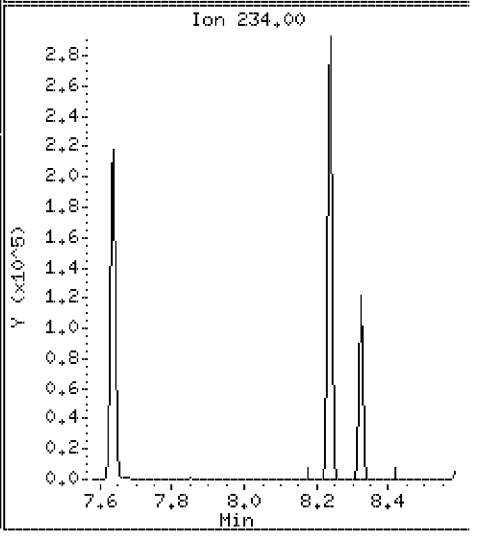












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

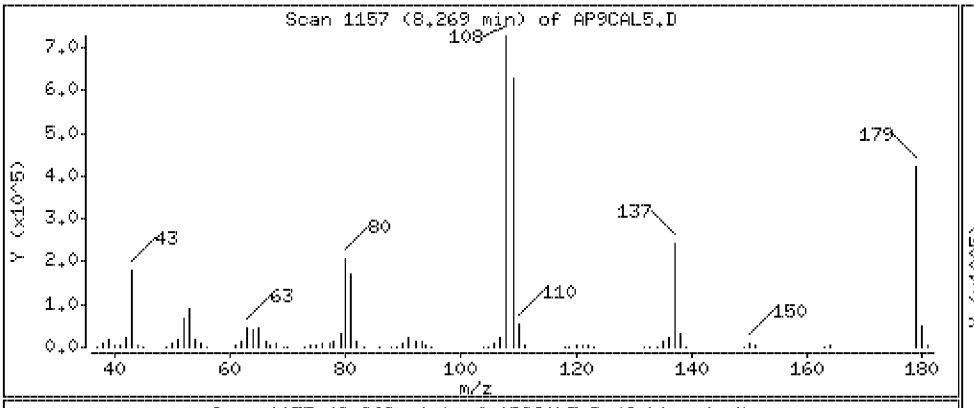
Operator: PEL

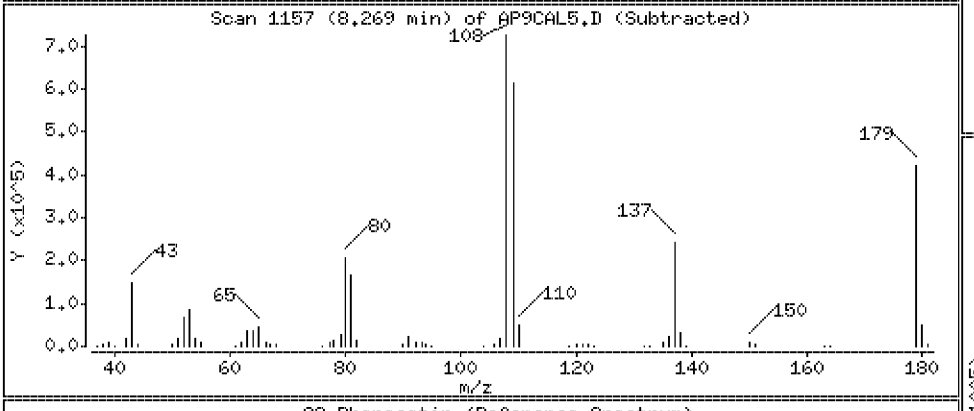
Column phase: HPMS-5

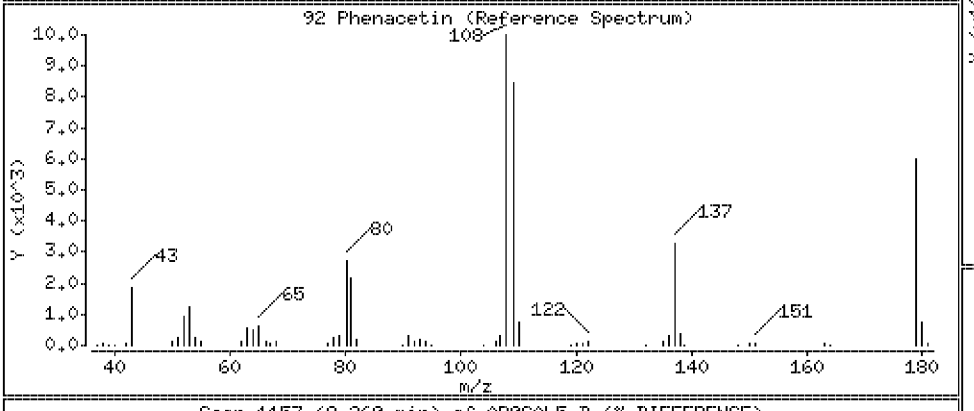
Column diameter: 0.25

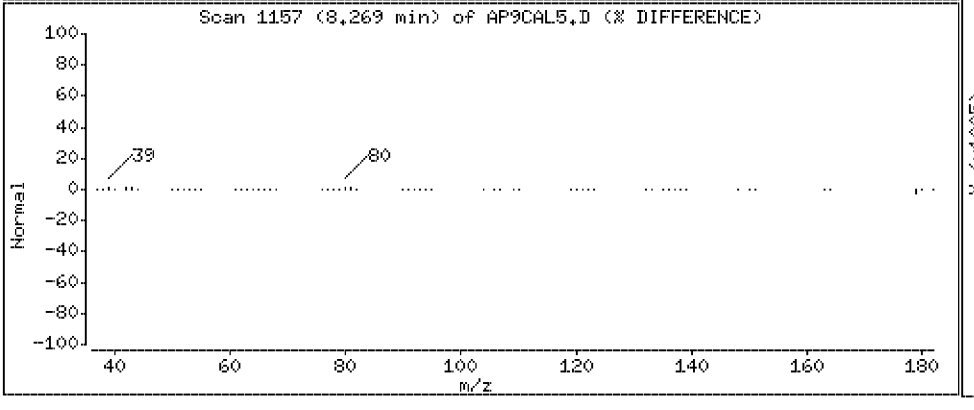
92 Phenacetin

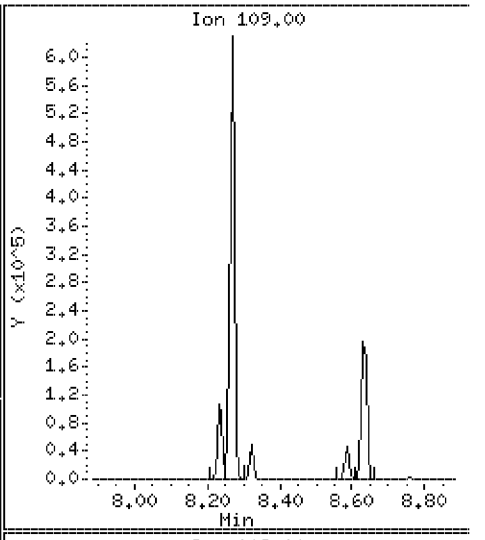
Concentration: 60.0 ug/l

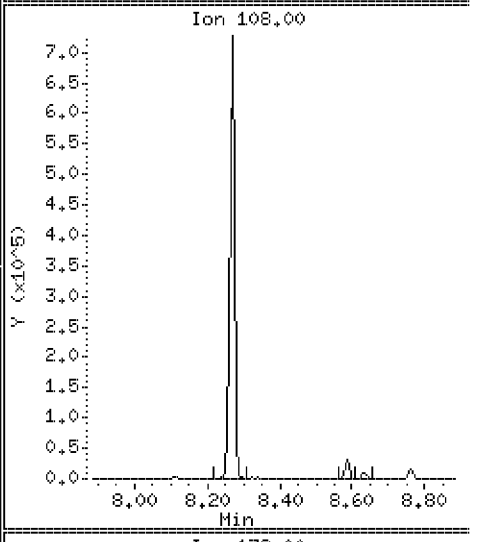


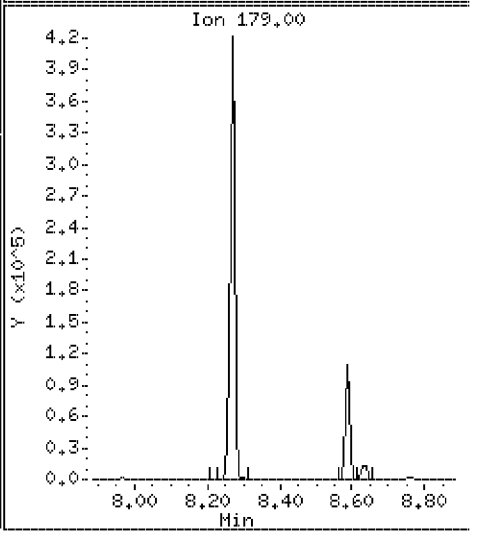












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

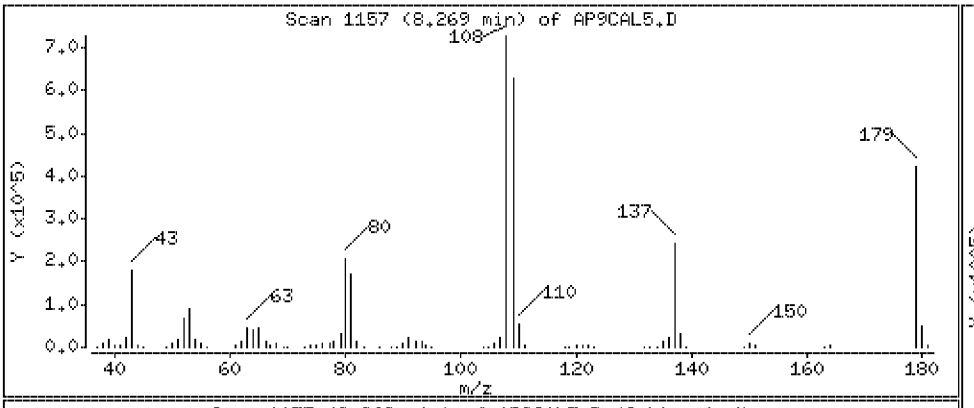
Operator: PEL

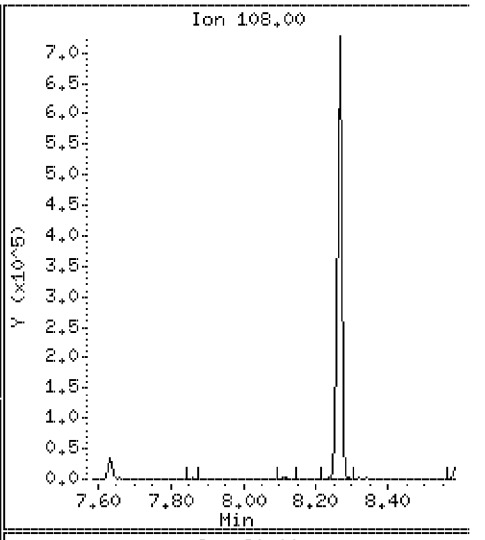
Column phase: HPMS-5

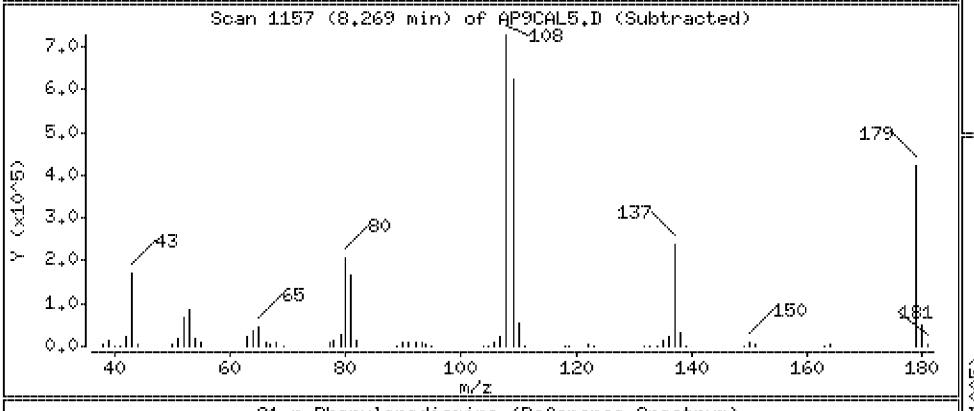
Column diameter: 0.25

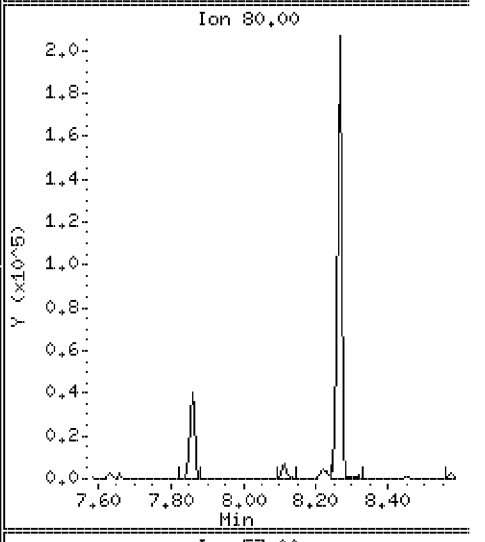
91 p-Phenylenediamine

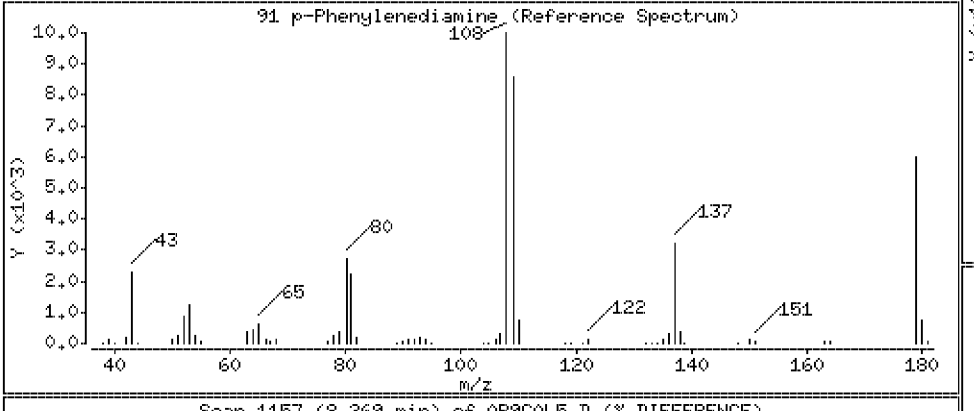
Concentration: 64.4 ug/l

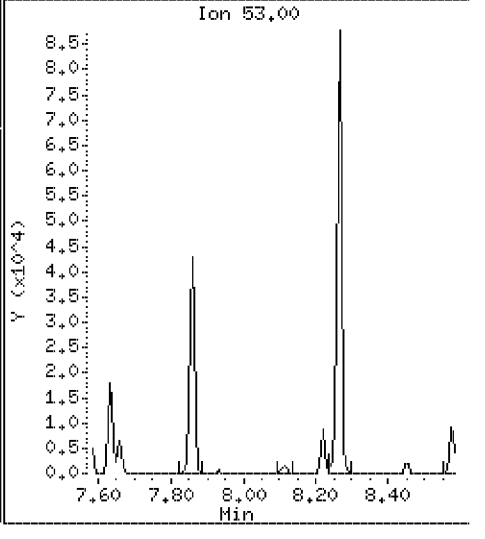


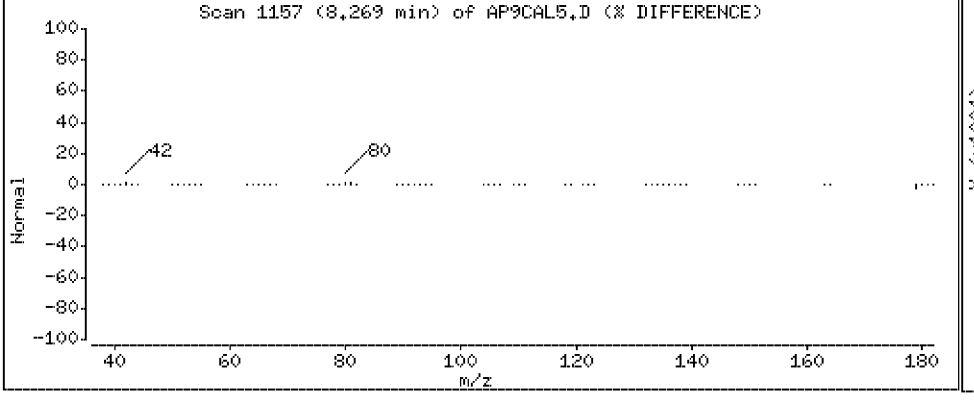












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

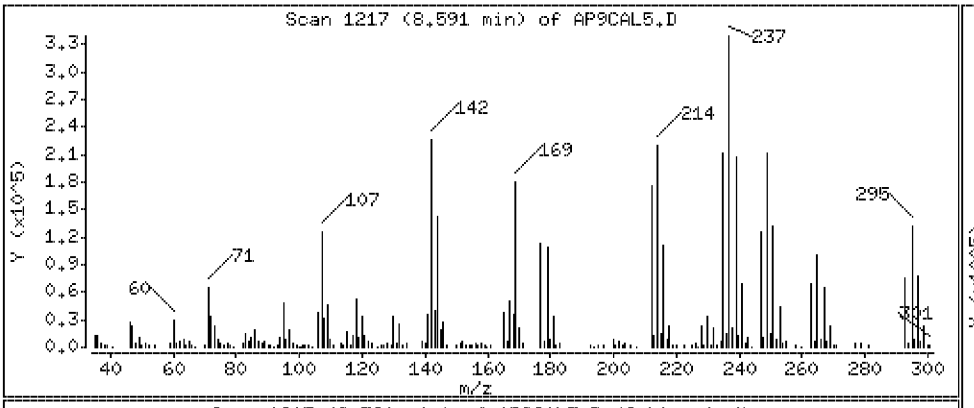
Operator: PEL

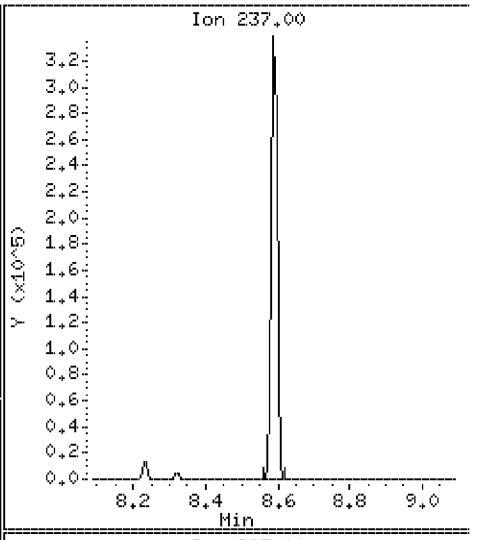
Column phase: HPMS-5

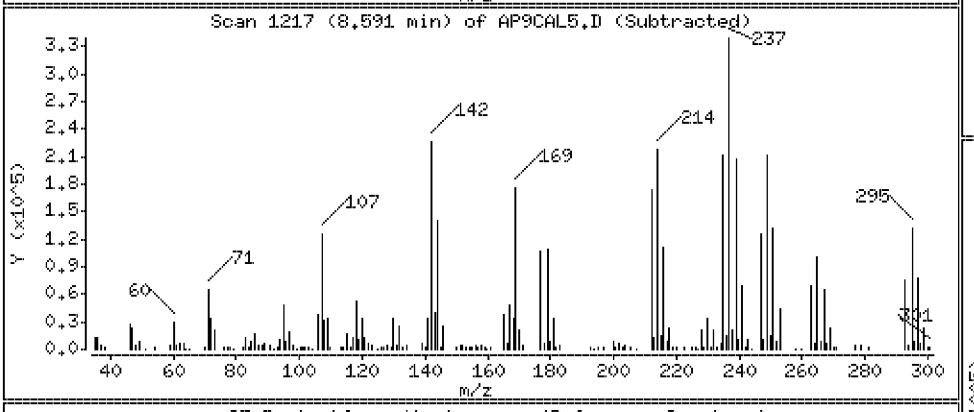
Column diameter: 0.25

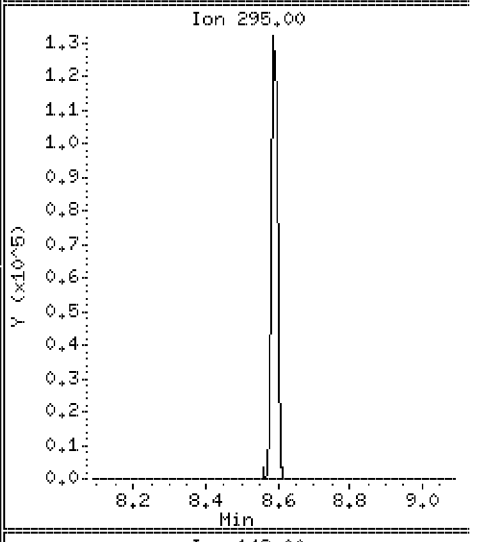
97 Pentachloronitrobenzene

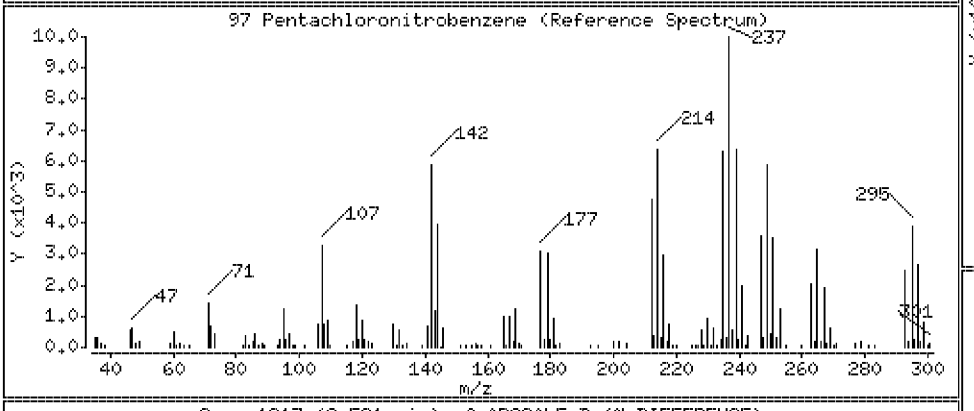
Concentration: 63.9 ug/l

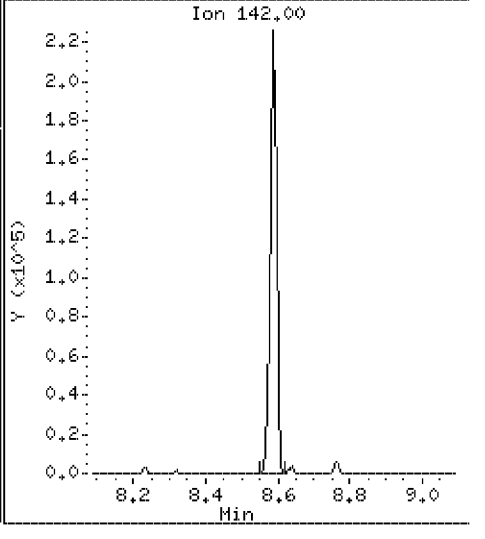


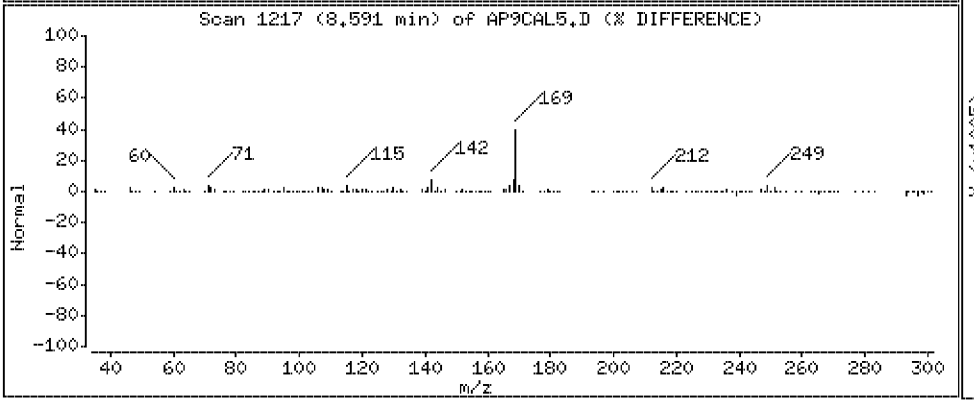












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

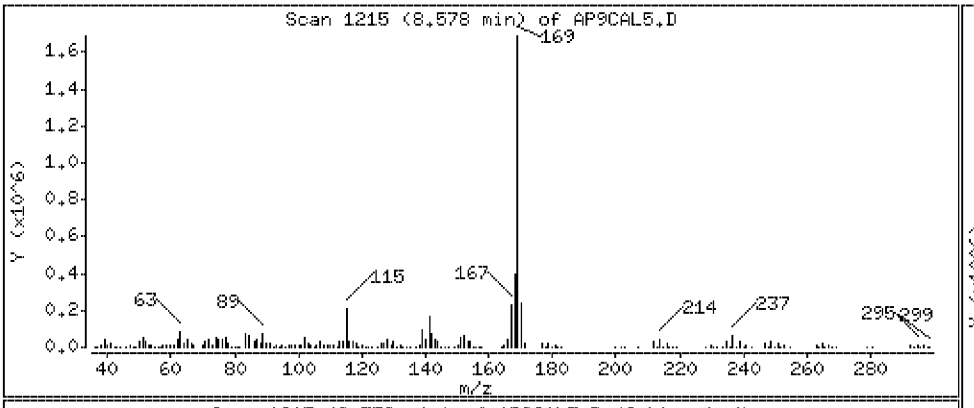
Operator: PEL

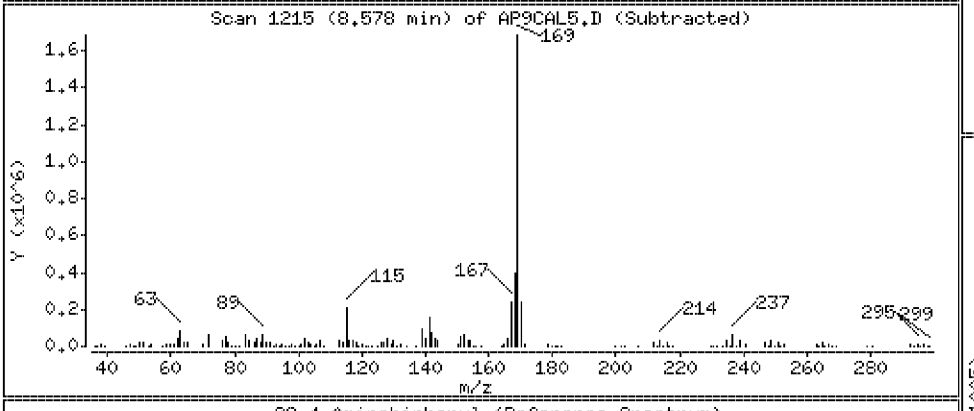
Column phase: HPMS-5

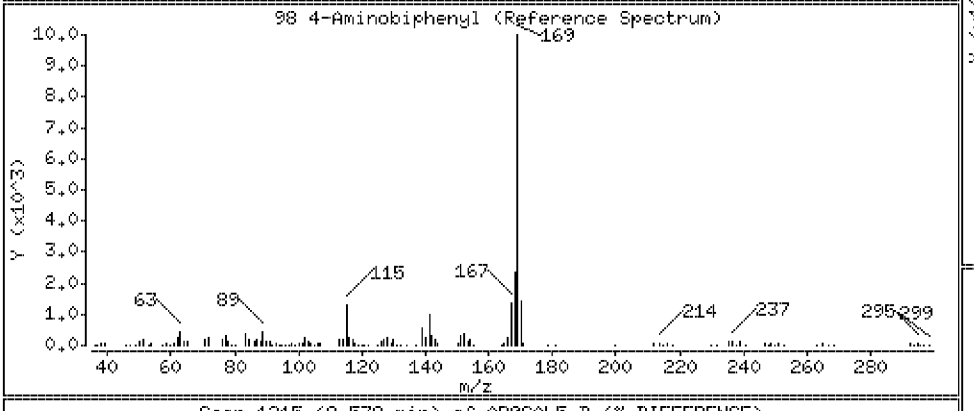
Column diameter: 0.25

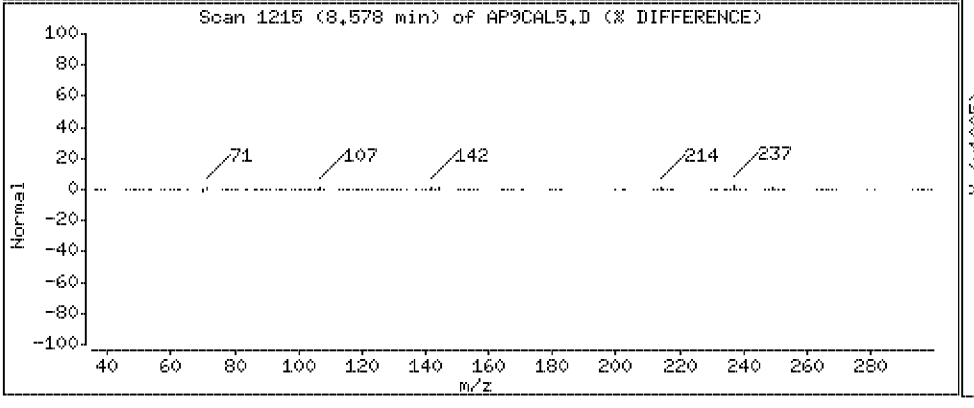
98 4-Aminobiphenyl

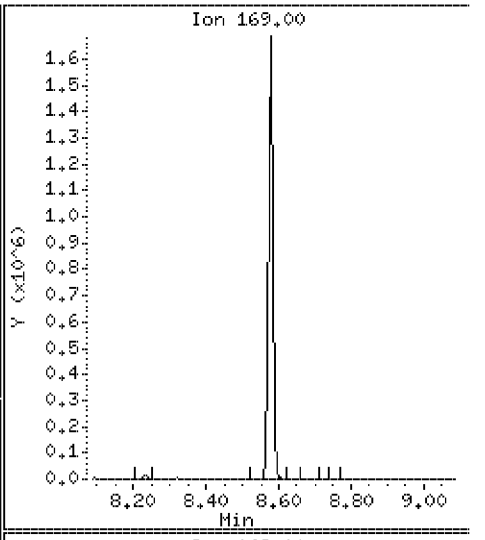
Concentration: 61.9 ug/l

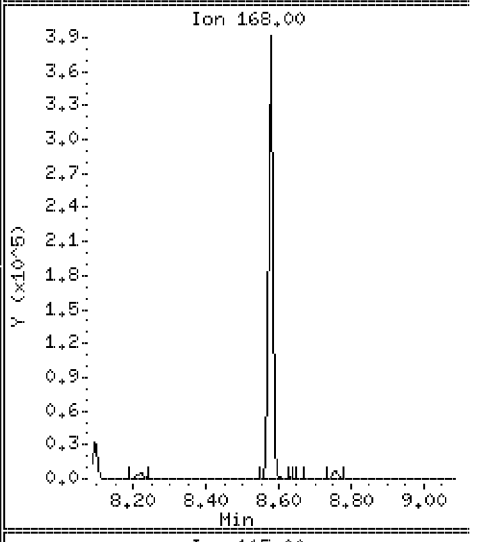


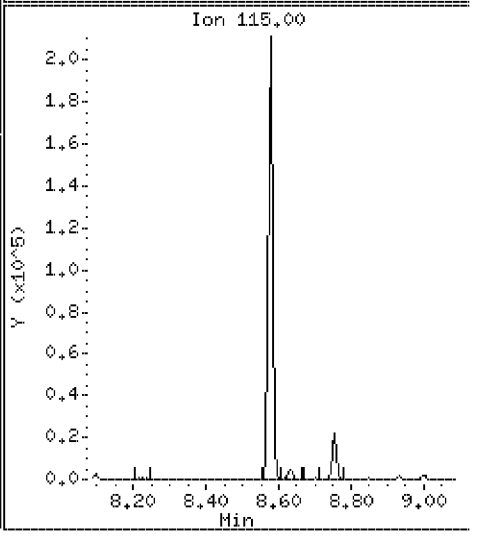












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

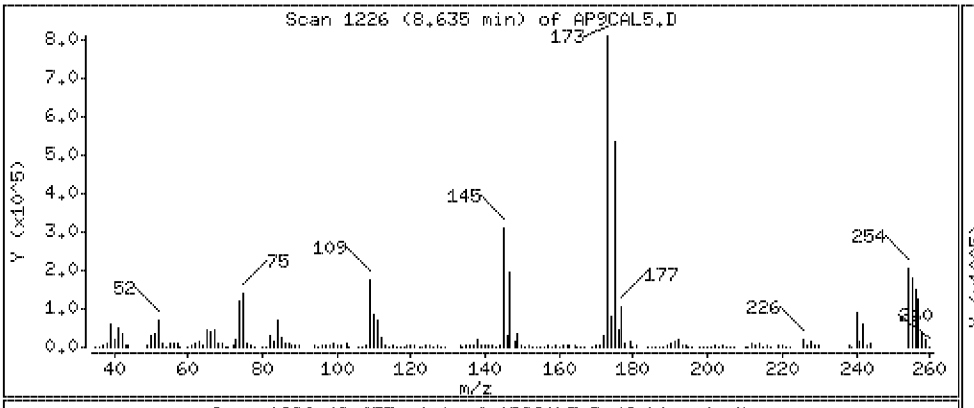
Operator: PEL

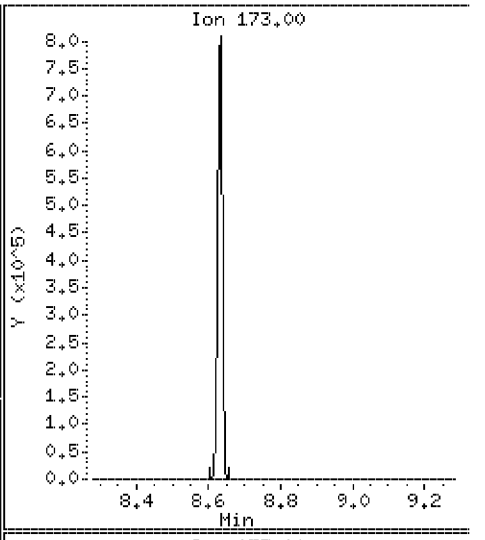
Column phase: HPMS-5

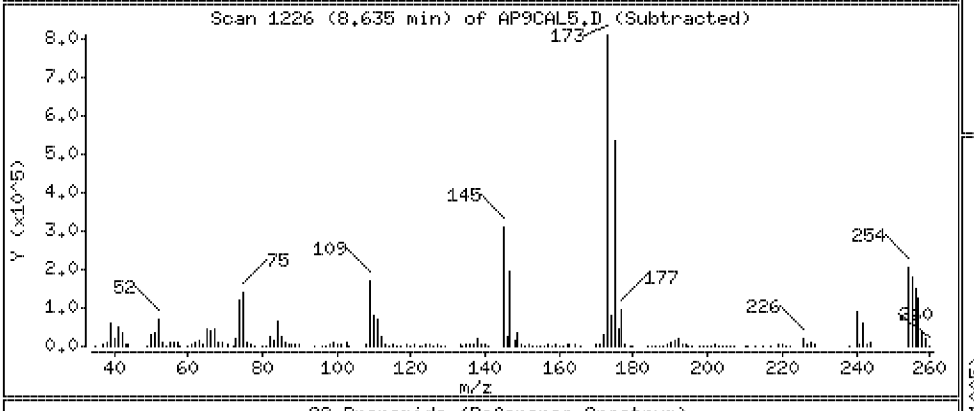
Column diameter: 0.25

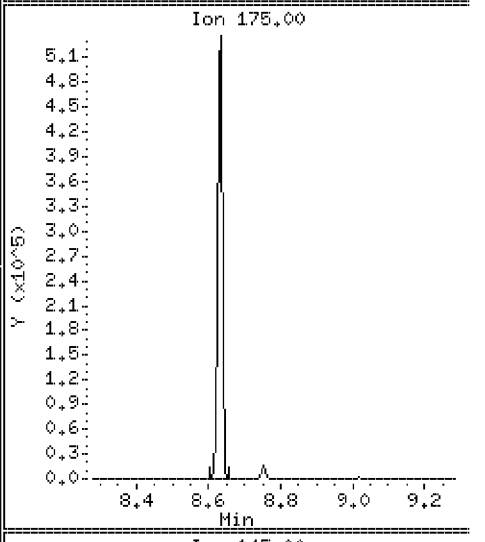
99 Pronamide

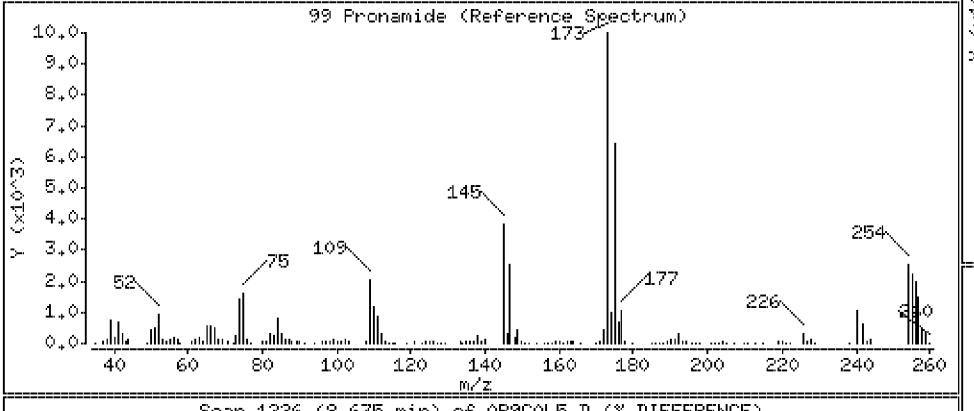
Concentration: 63.1 ug/l

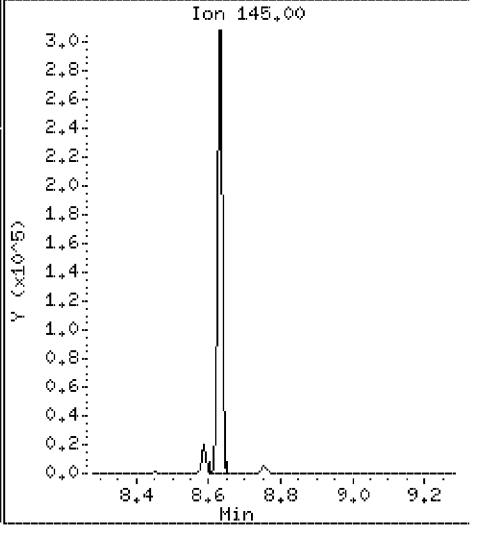


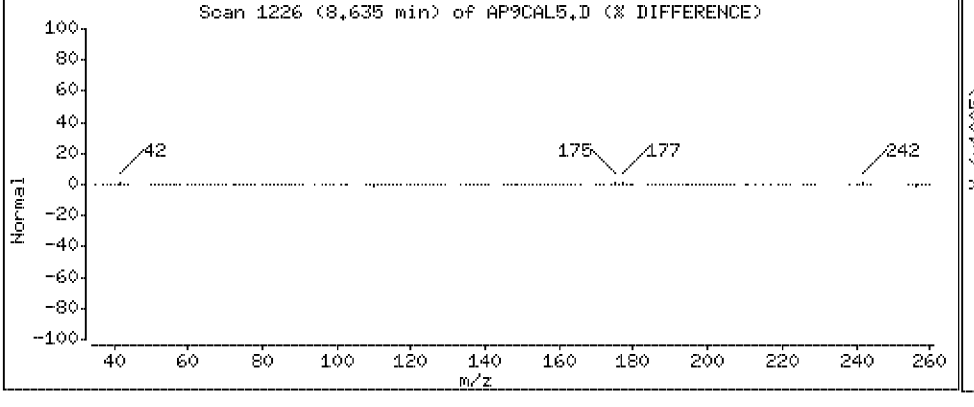












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

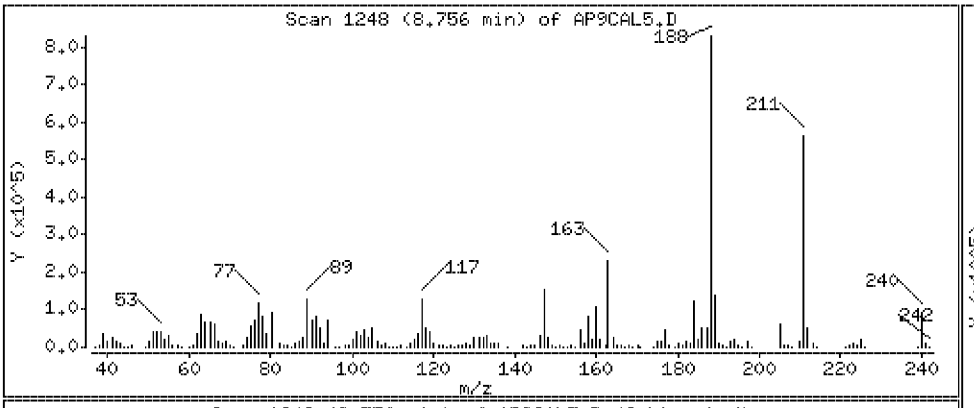
Operator: PEL

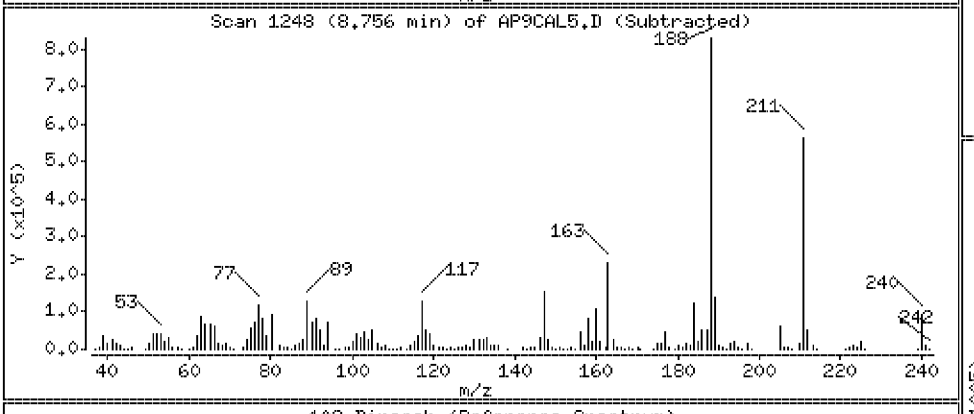
Column phase: HPMS-5

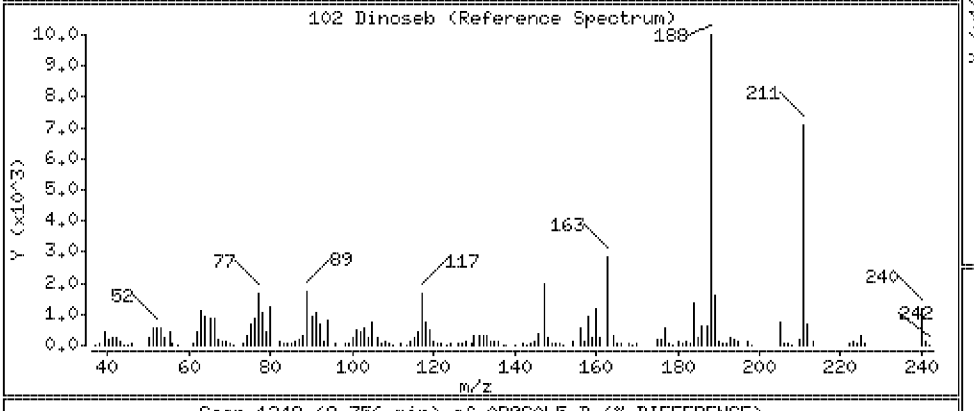
Column diameter: 0.25

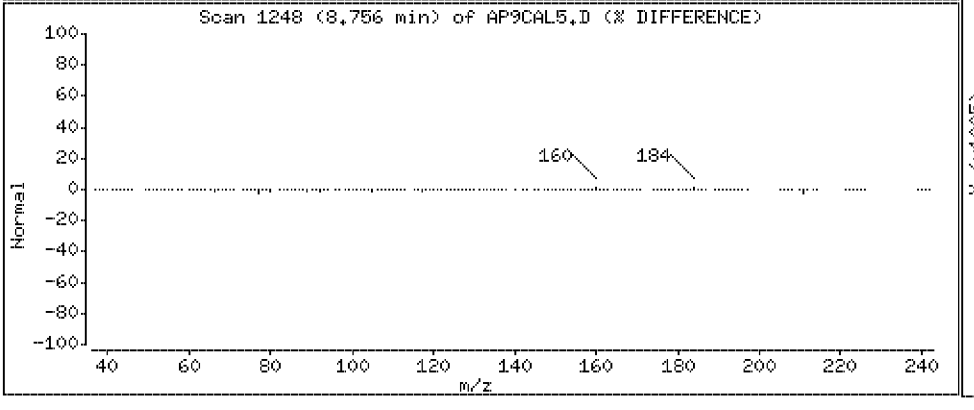
102 Dinoseb

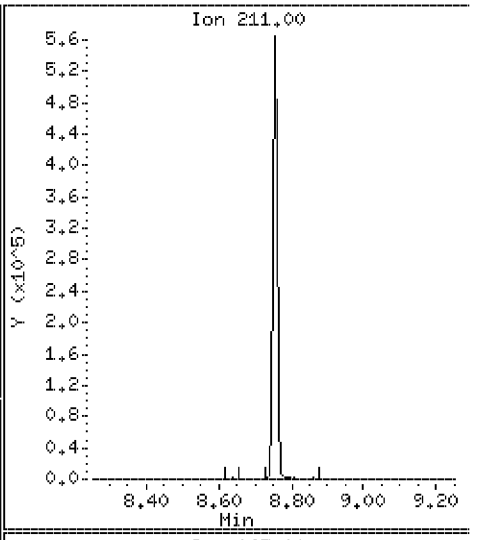
Concentration: 59.8 ug/l

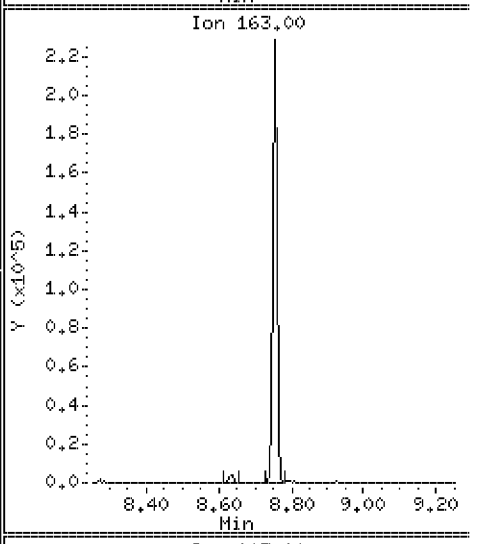


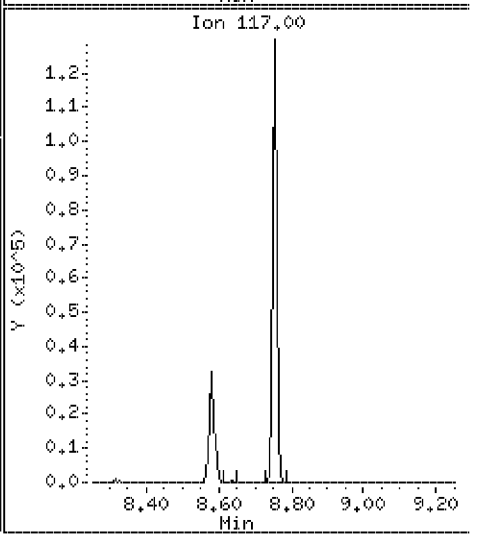












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

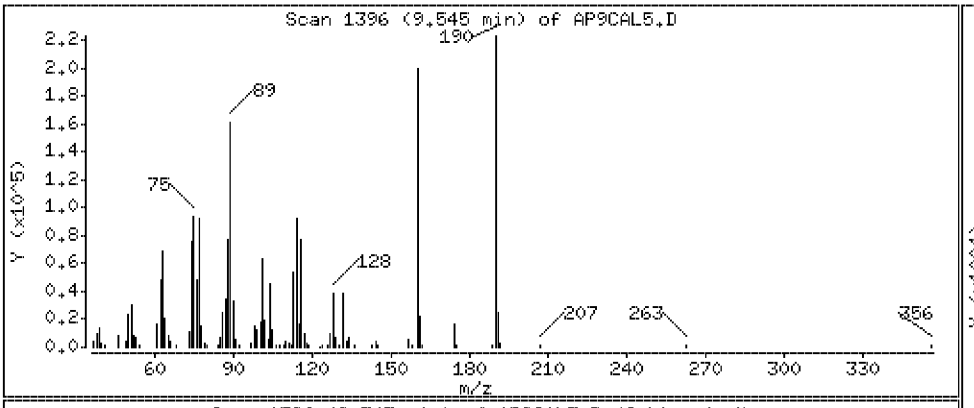
Operator: PEL

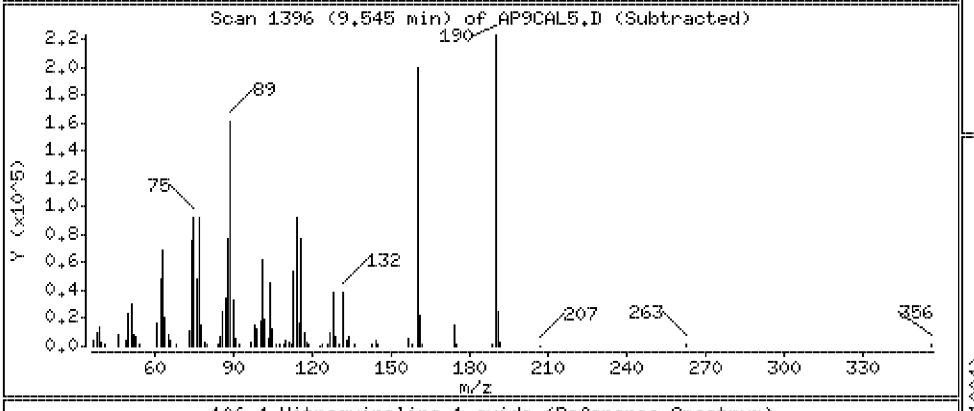
Column phase: HPMS-5

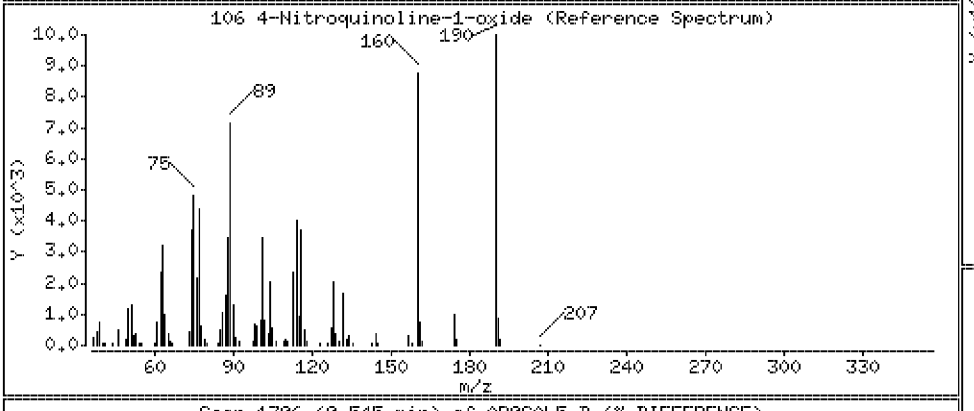
Column diameter: 0.25

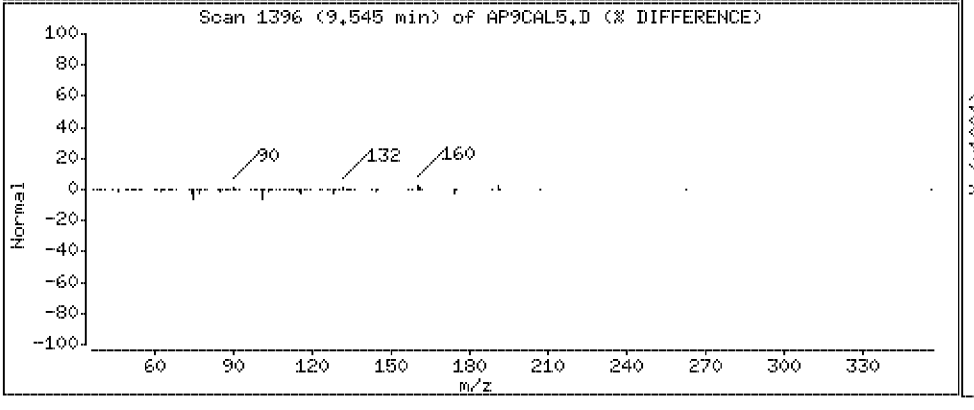
106 4-Nitroquinoline-1-oxide

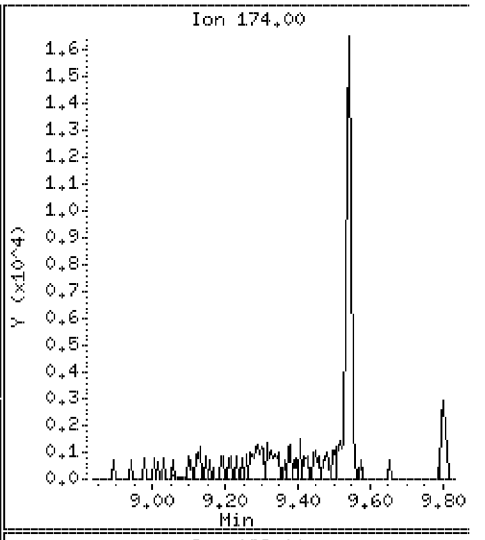
Concentration: 58.1 ug/l

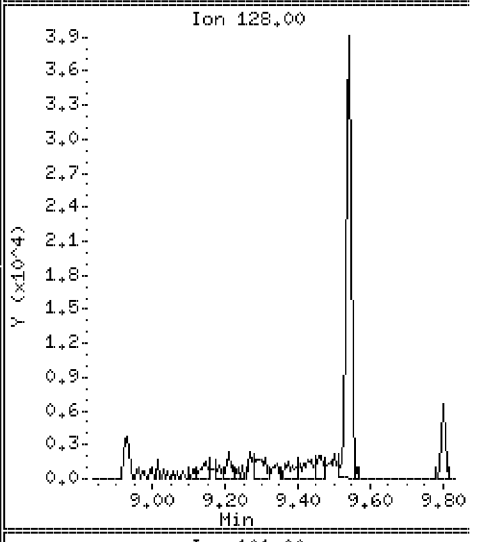


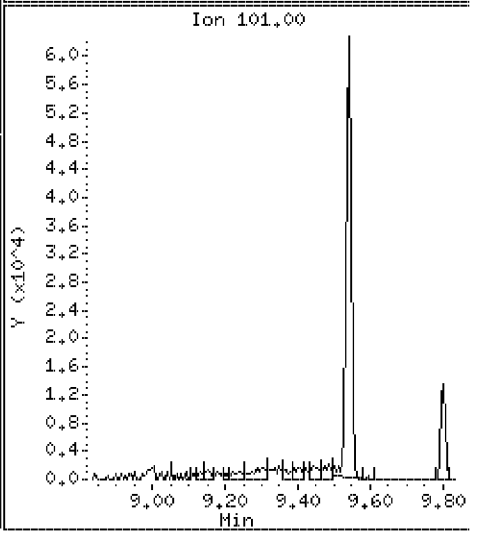












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

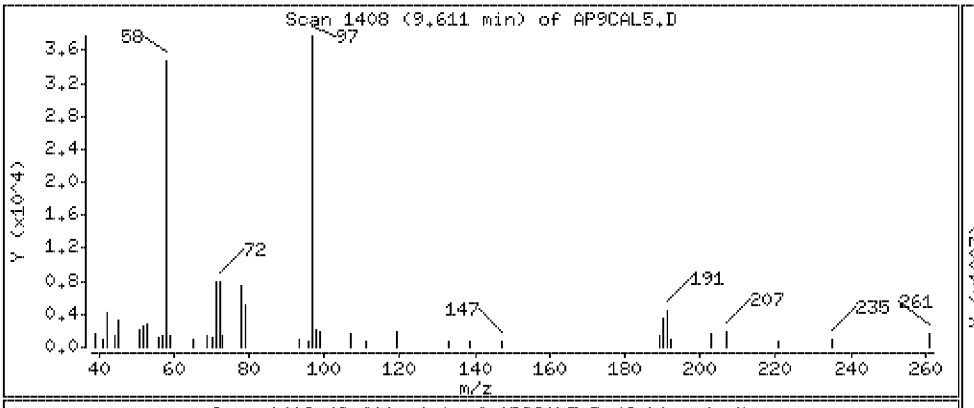
Operator: PEL

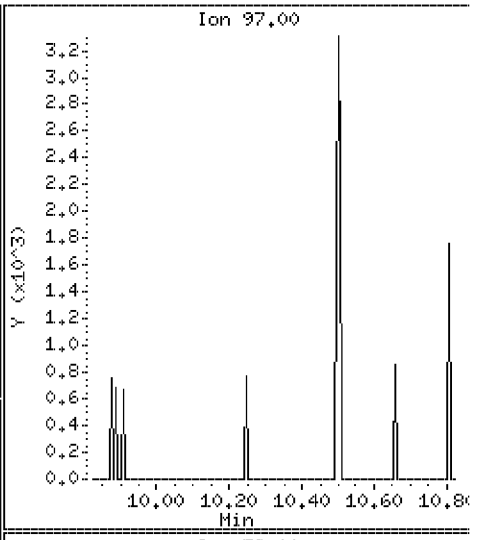
Column phase: HPMS-5

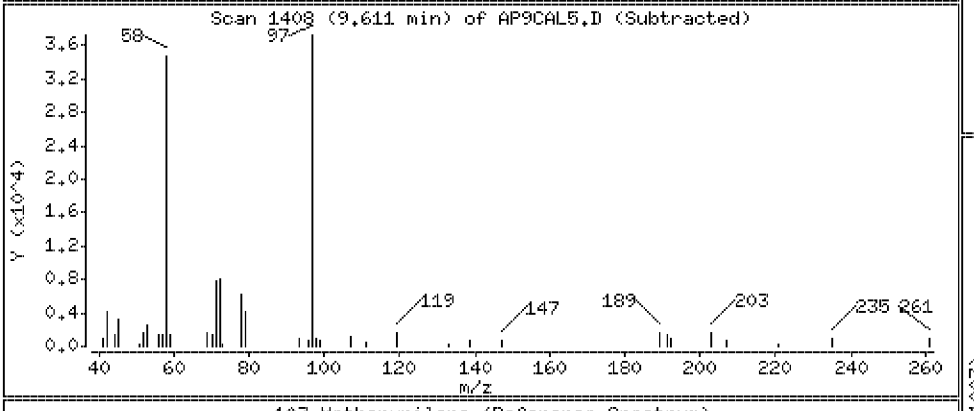
Column diameter: 0.25

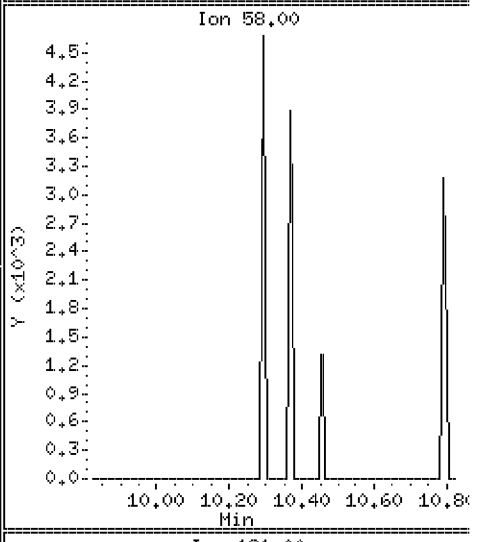
107 Methapyrilene

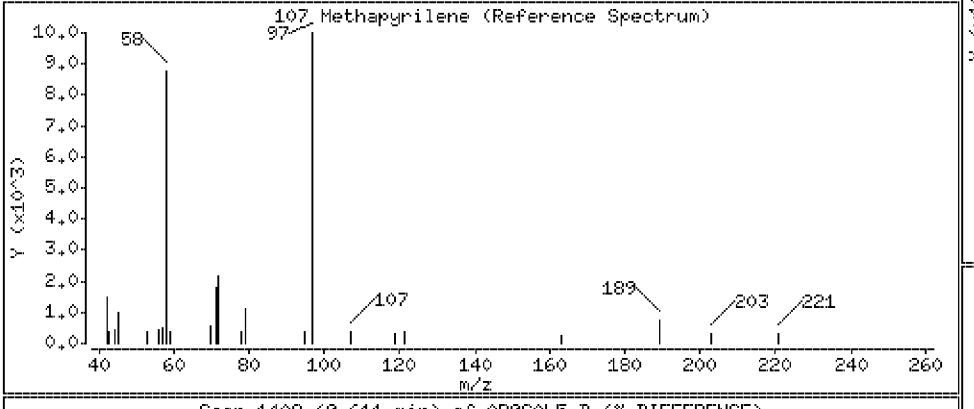
Concentration: 64.8 ug/l

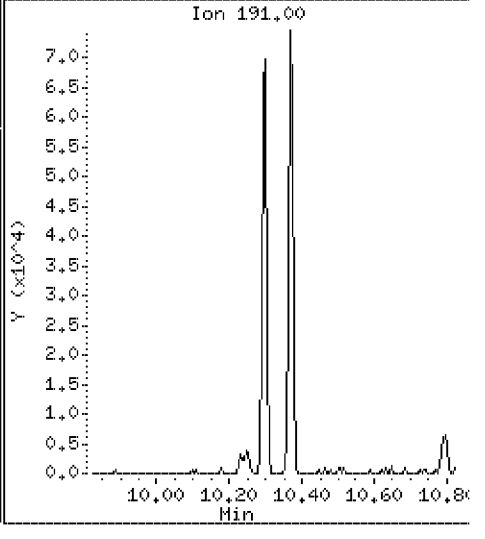


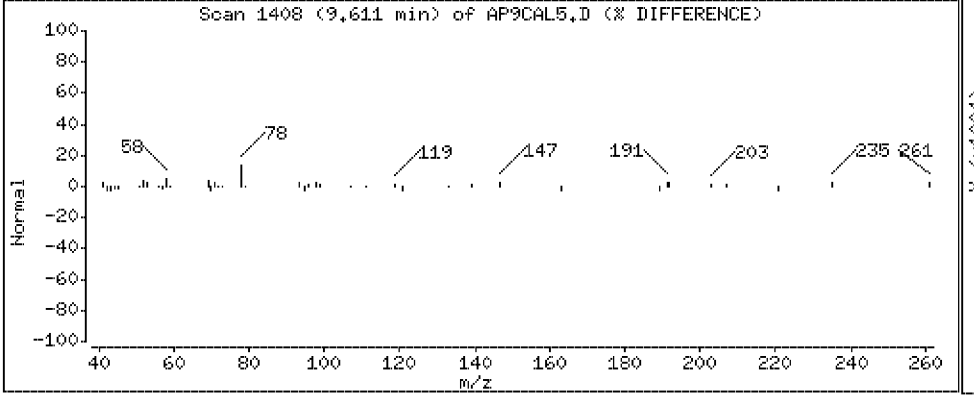












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

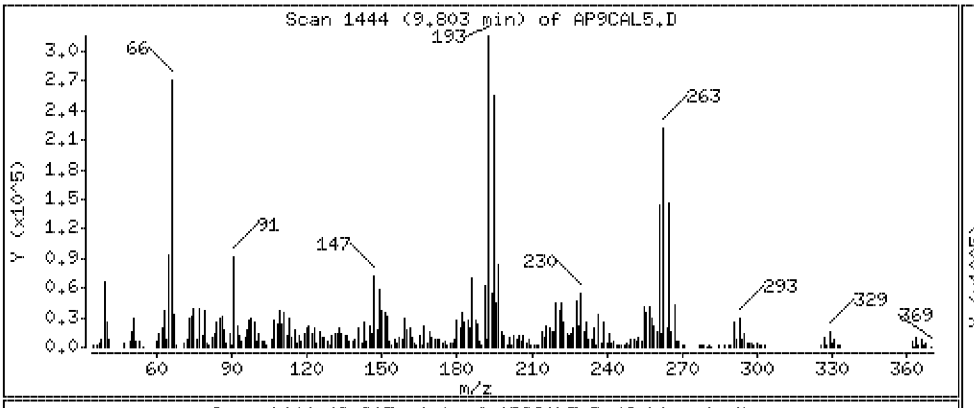
Operator: PEL

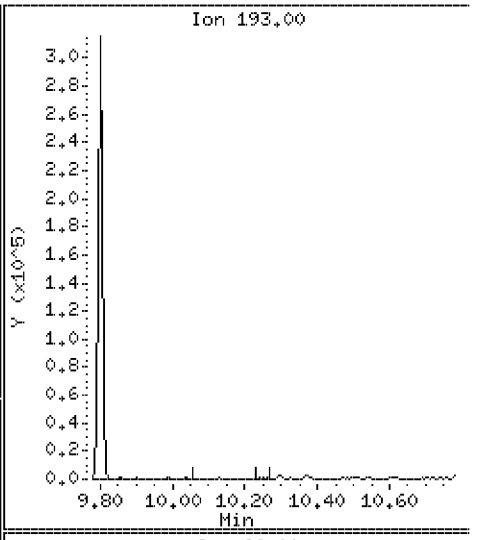
Column phase: HPMS-5

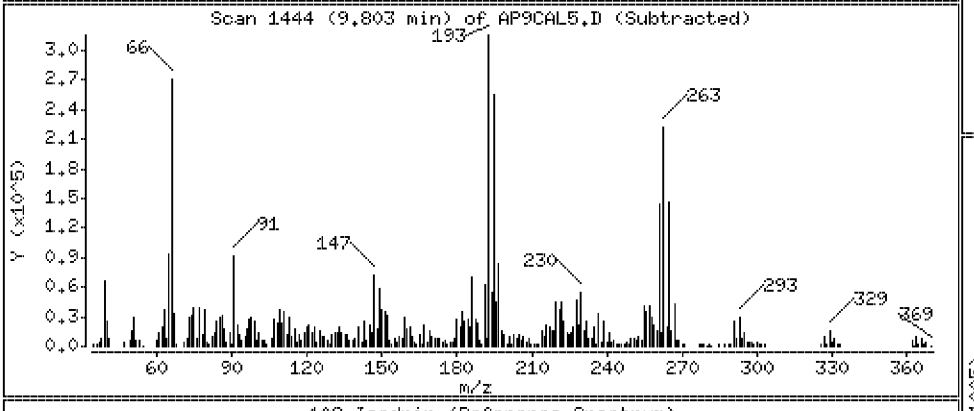
Column diameter: 0.25

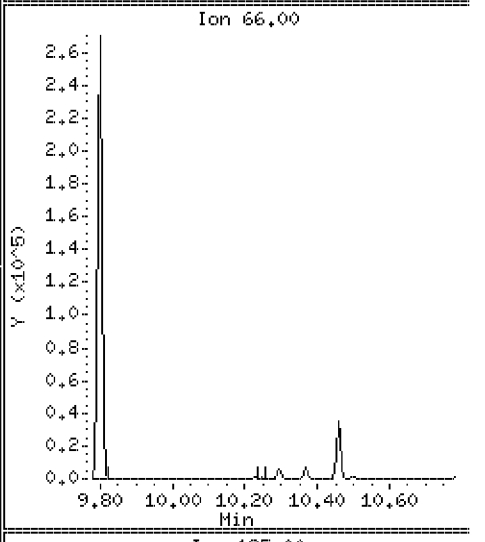
108 Isodrin

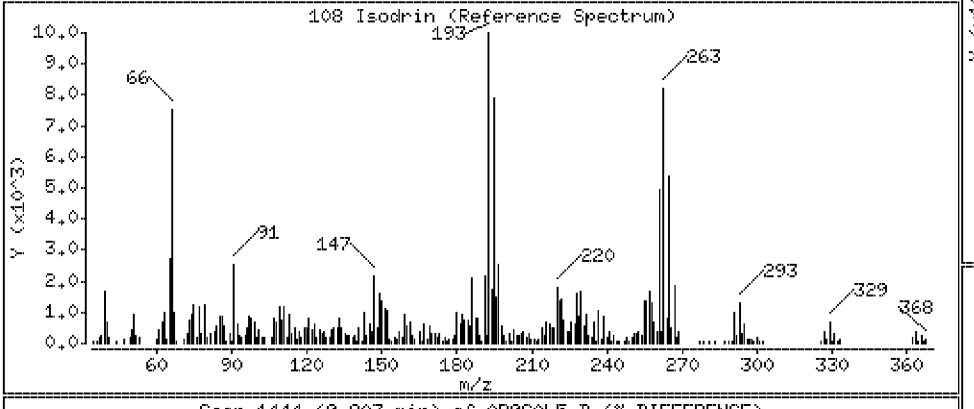
Concentration: 60.8 ug/l

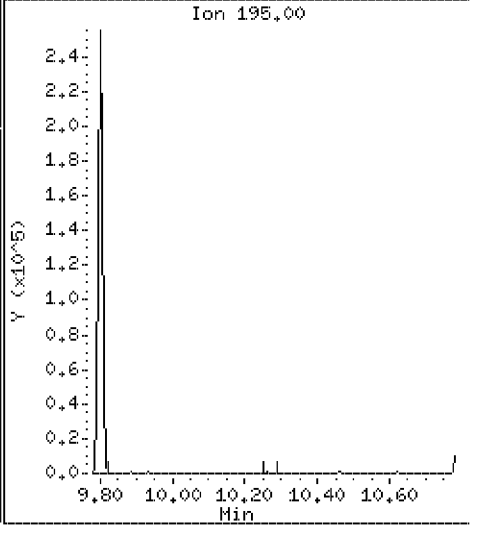


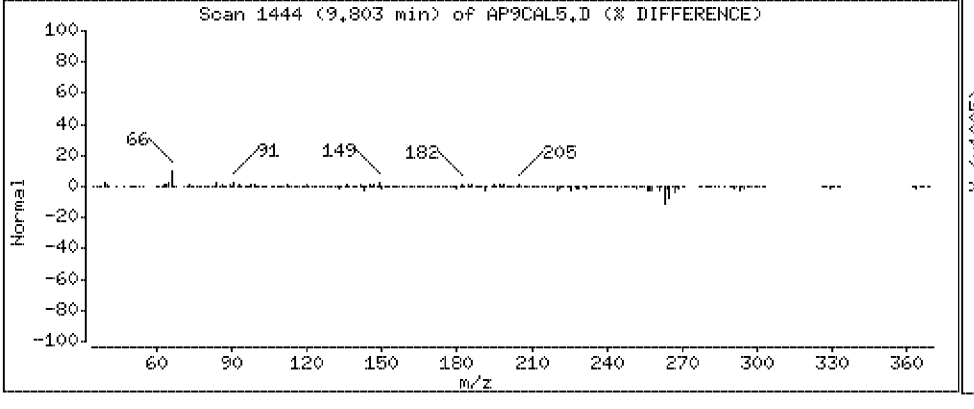












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

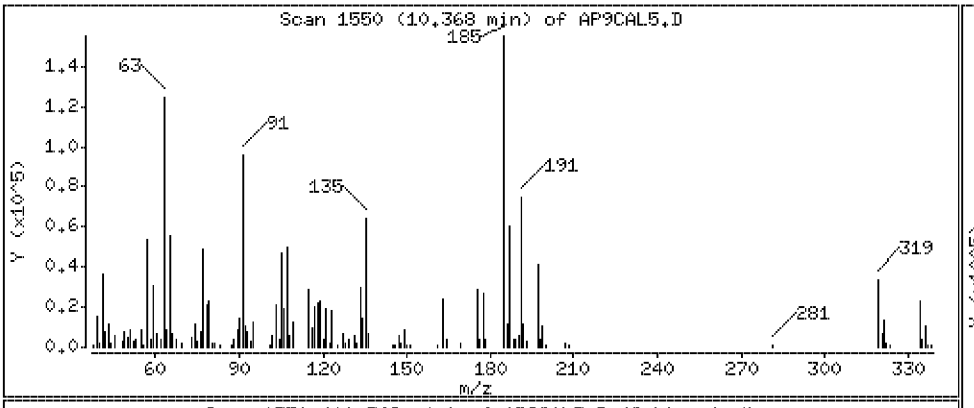
Operator: PEL

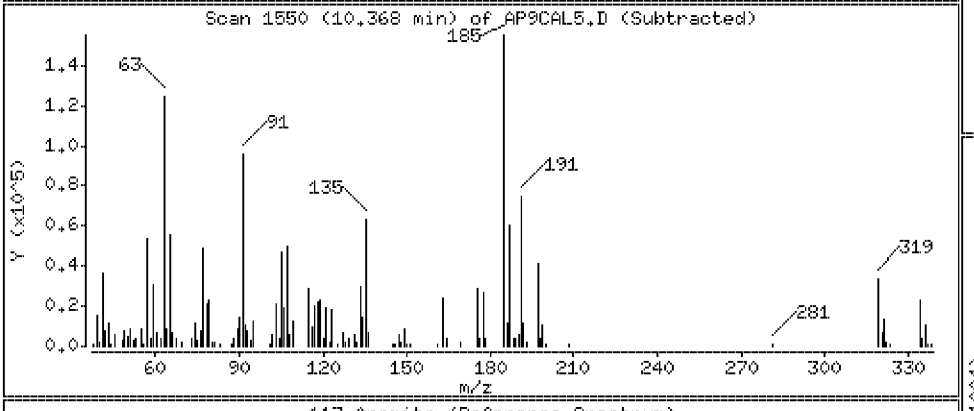
Column phase: HPMS-5

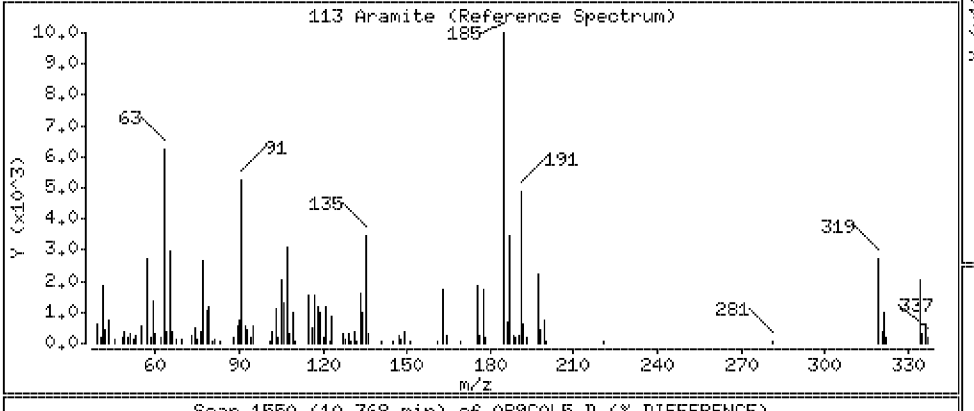
Column diameter: 0.25

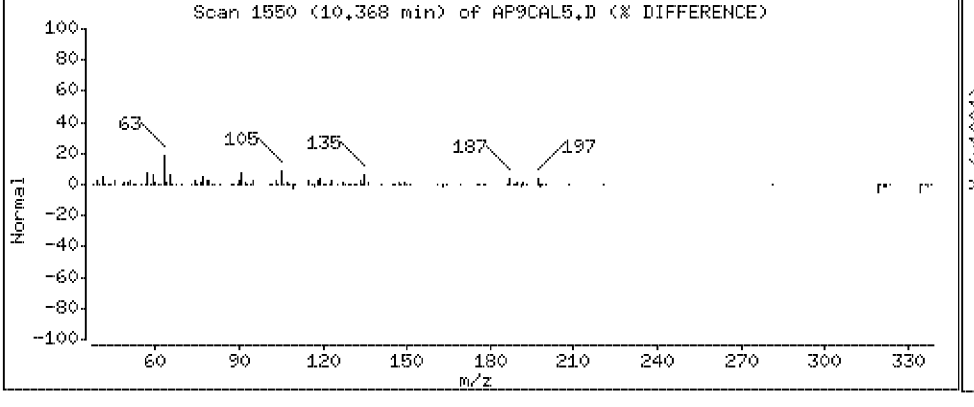
113 Aramite

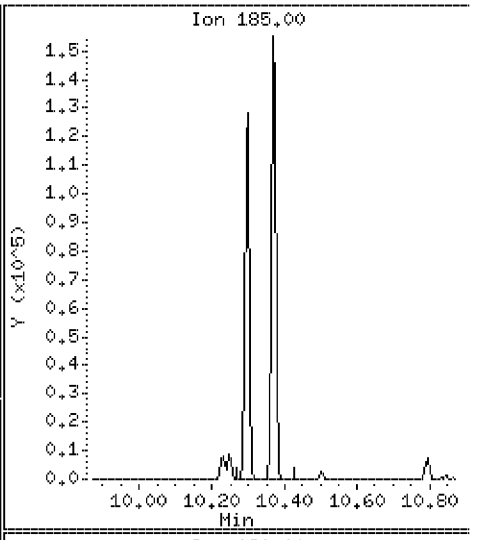
Concentration: 62.1 ug/l

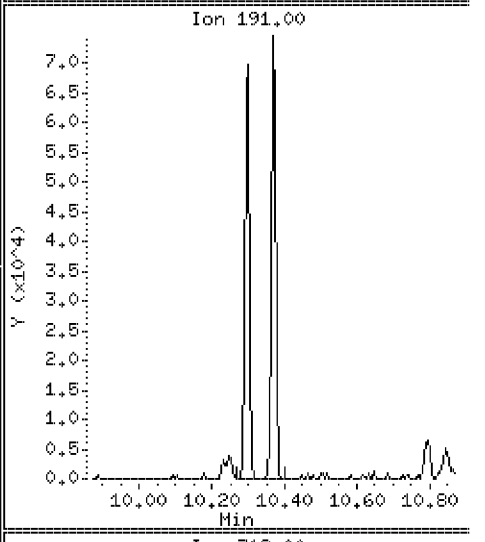


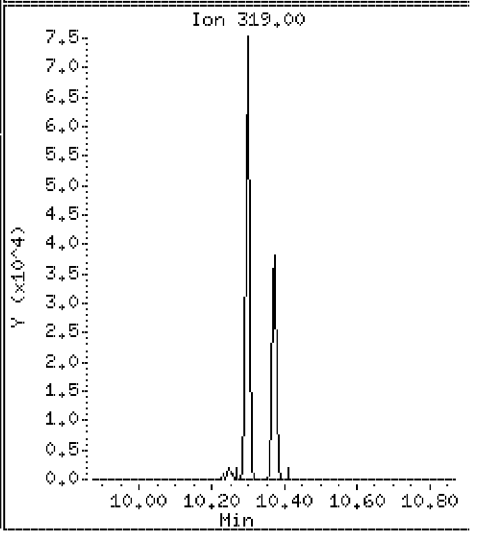












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

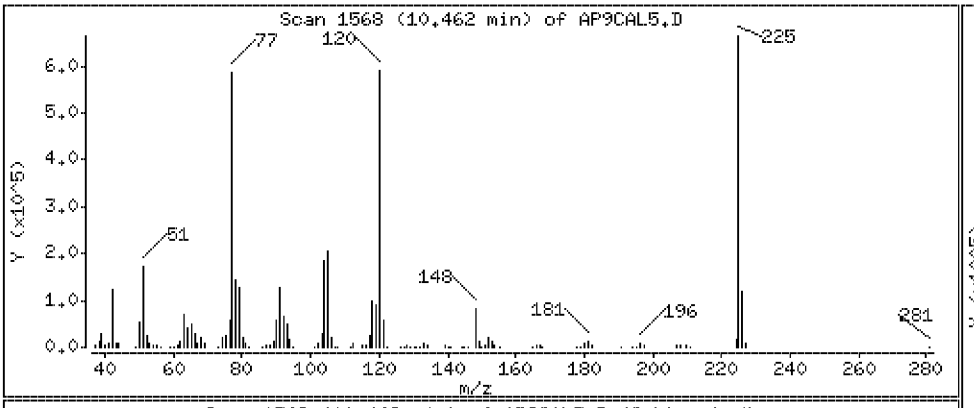
Operator: PEL

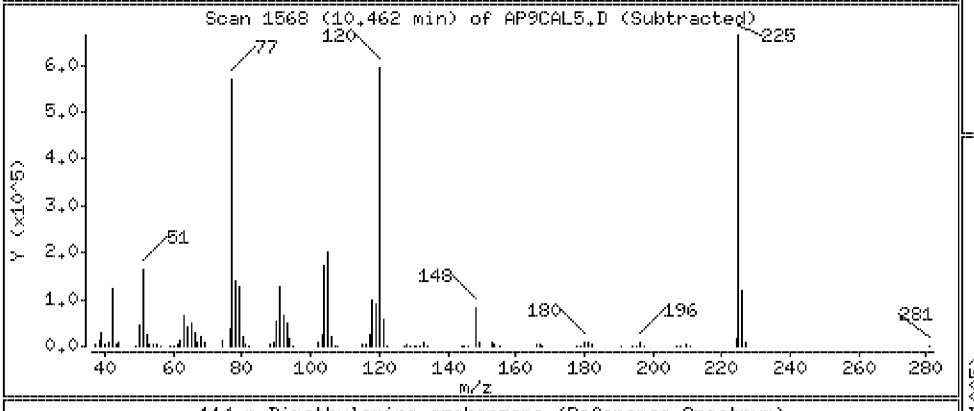
Column phase: HPMS-5

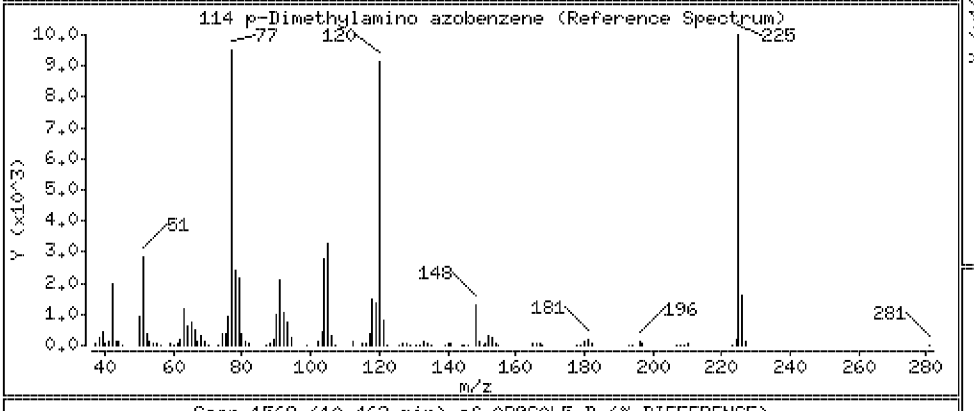
Column diameter: 0.25

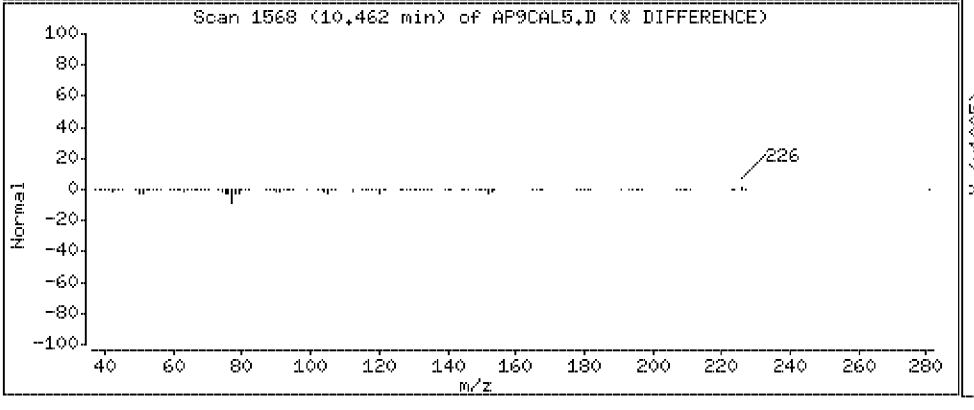
114 p-Dimethylamino azobenzene

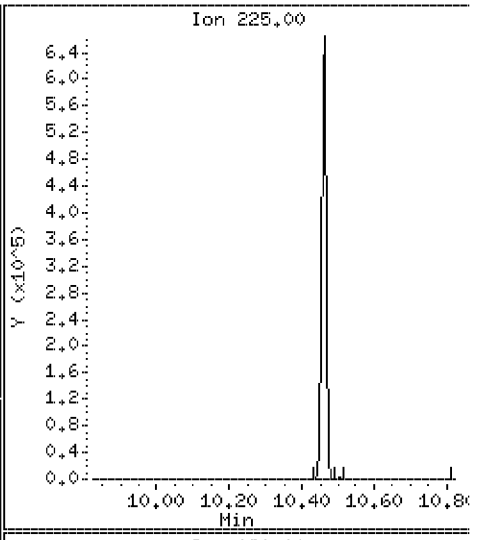
Concentration: 63.2 ug/l

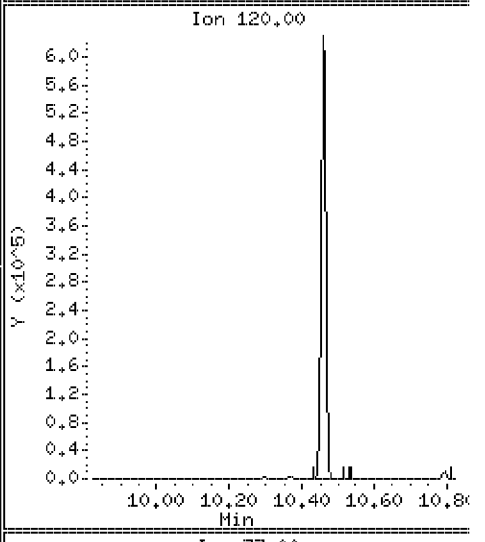


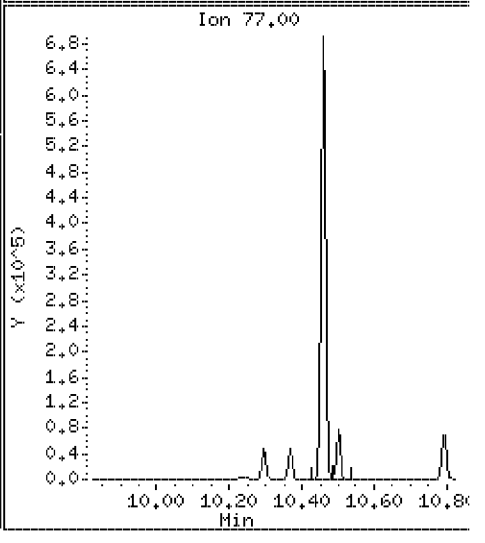












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

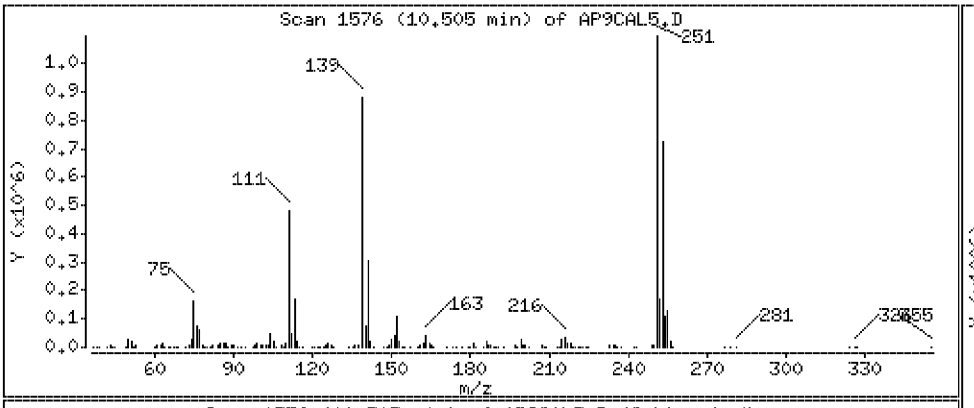
Operator: PEL

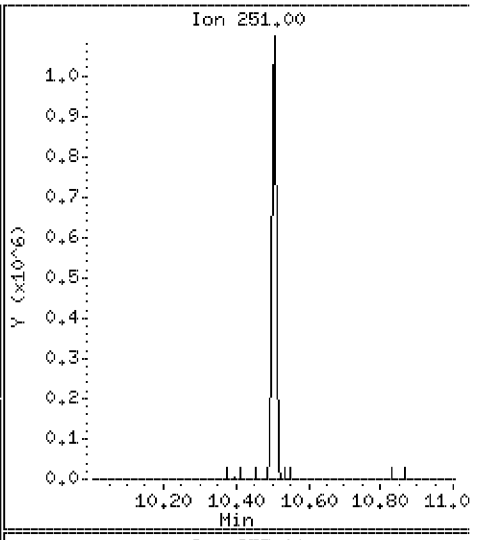
Column phase: HPMS-5

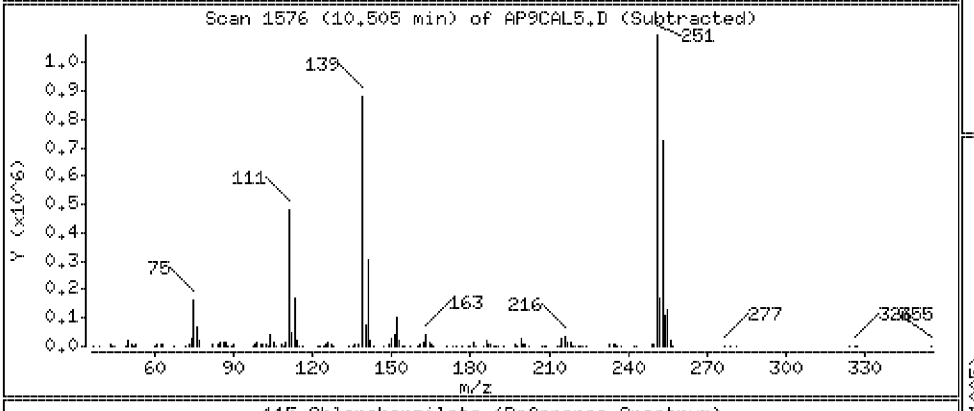
Column diameter: 0.25

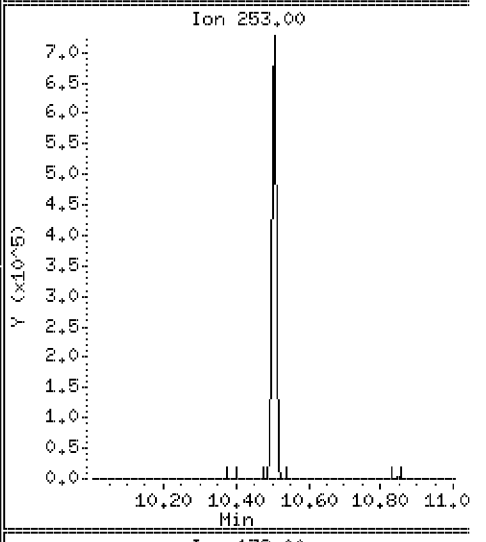
115 Chlorobenzilate

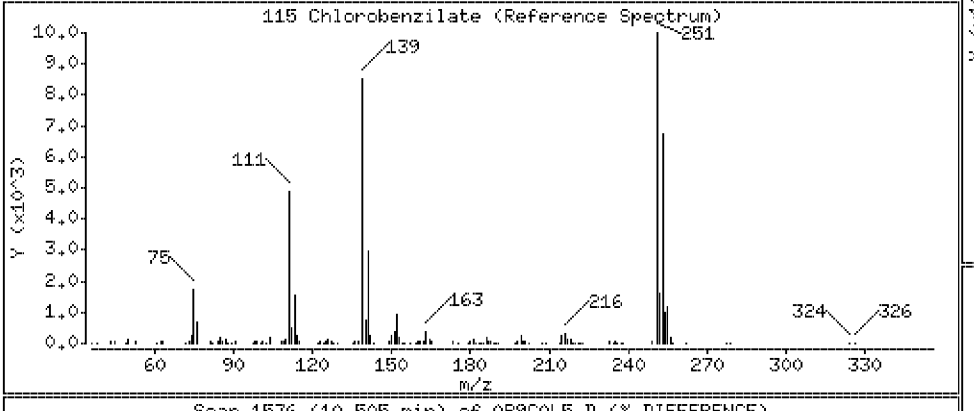
Concentration: 63.4 ug/l

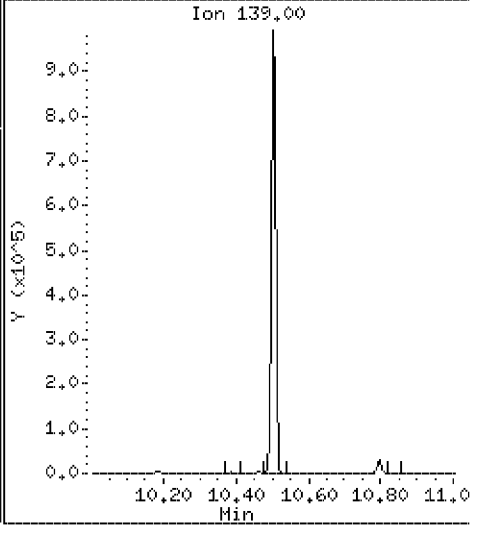


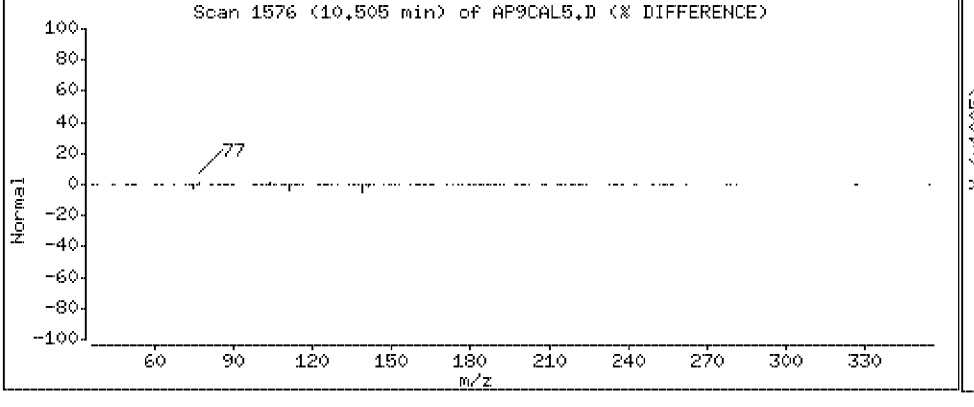












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

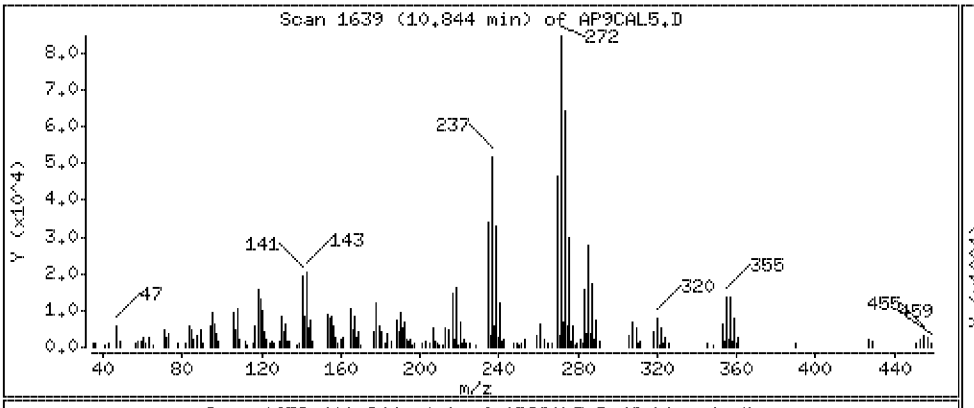
Operator: PEL

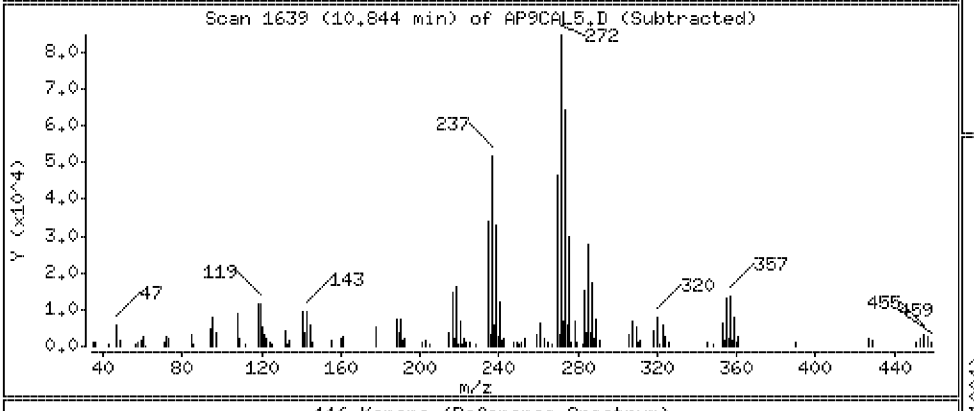
Column phase: HPMS-5

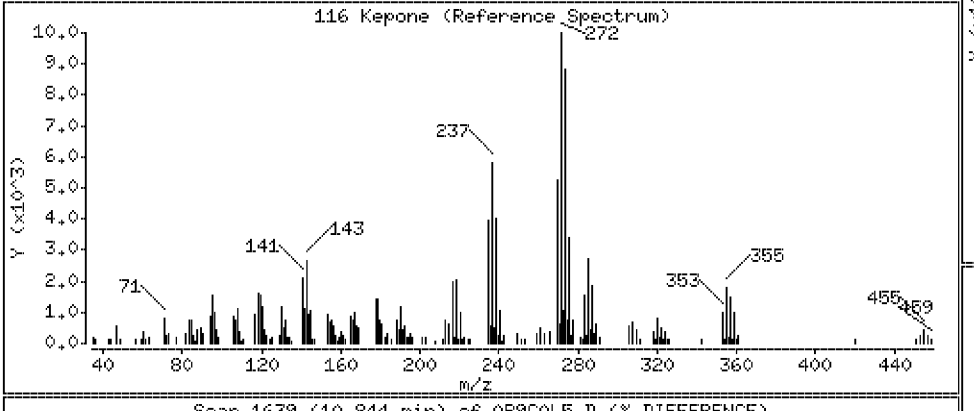
Column diameter: 0.25

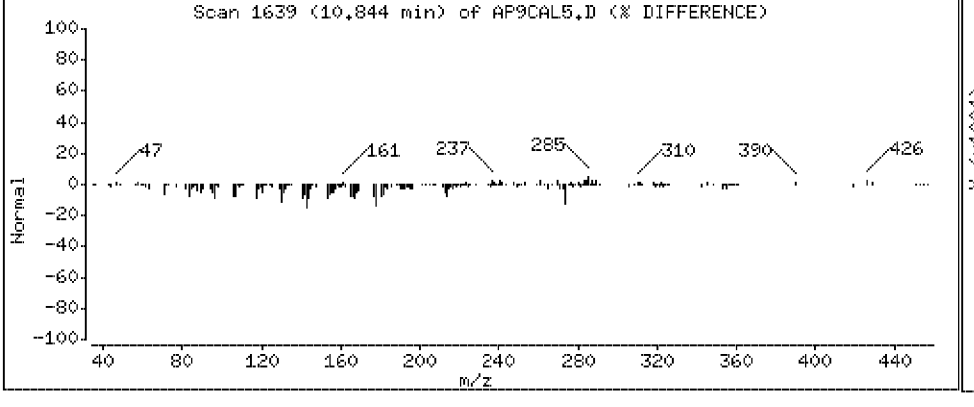
116 Kepone

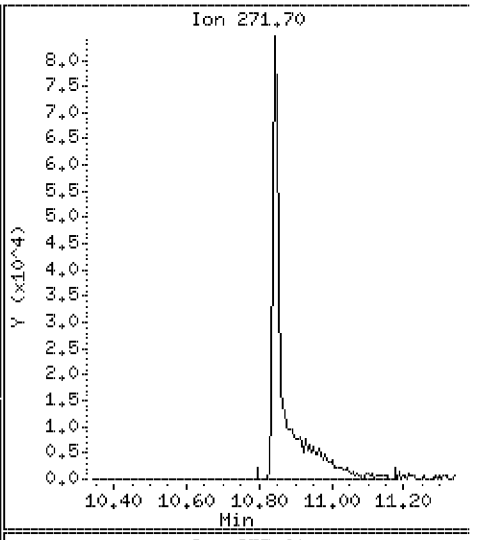
Concentration: 64.1 ug/l

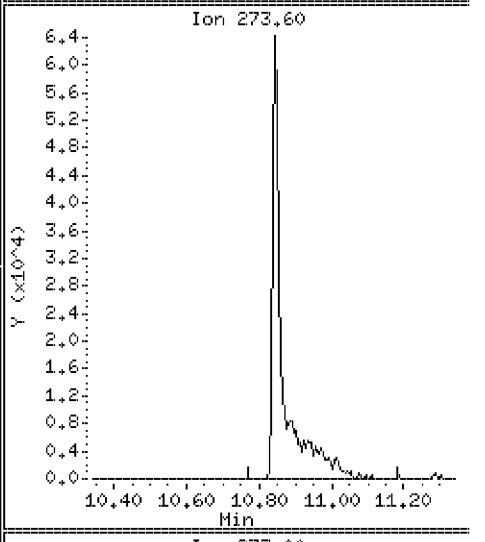


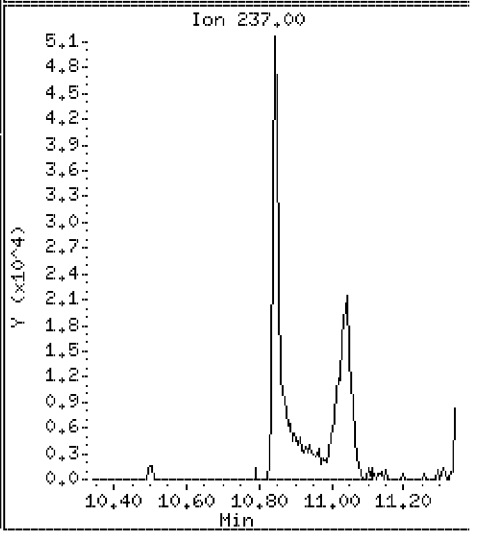












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

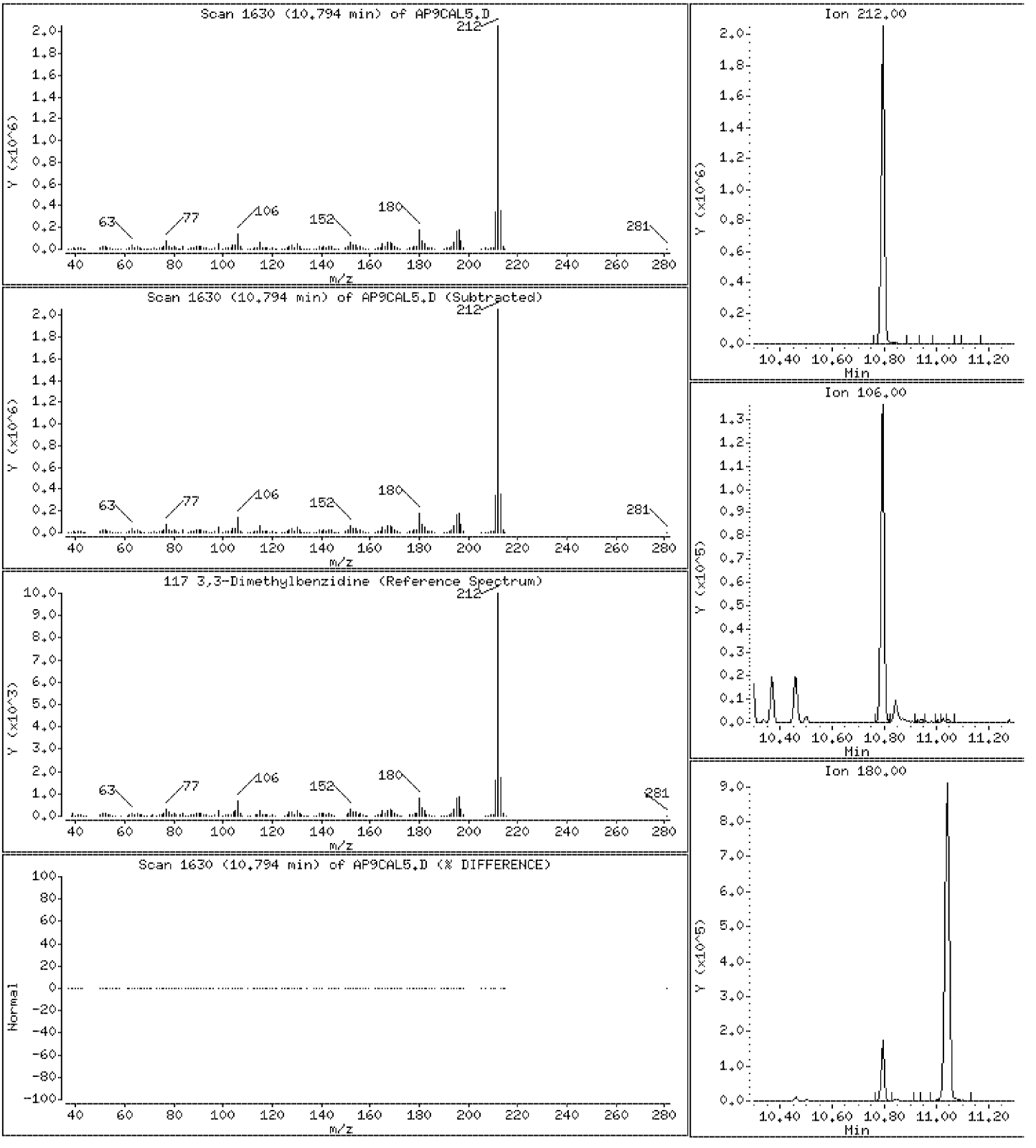
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

117 3,3-Dimethylbenzidine

Concentration: 63.1 ug/l



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

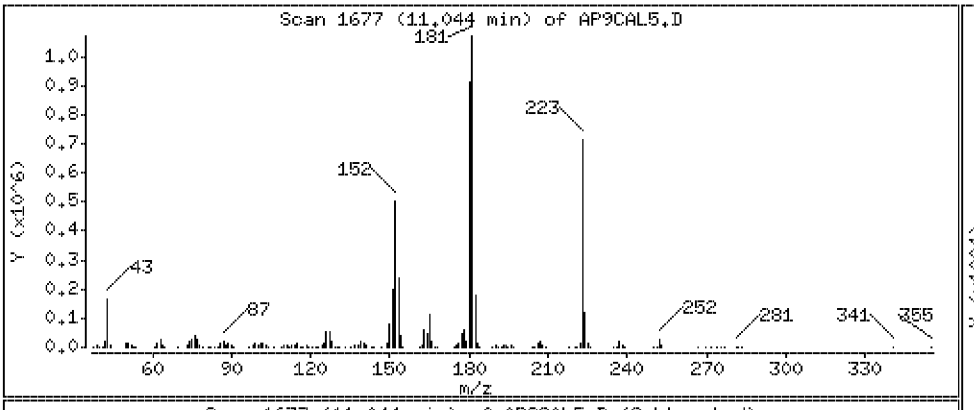
Operator: PEL

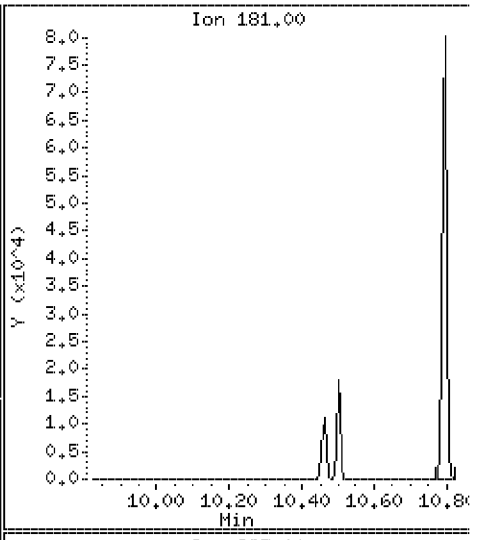
Column phase: HPMS-5

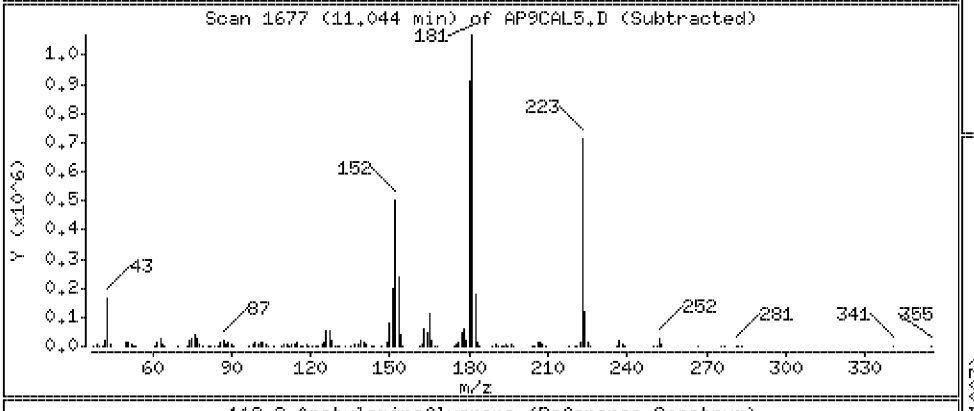
Column diameter: 0.25

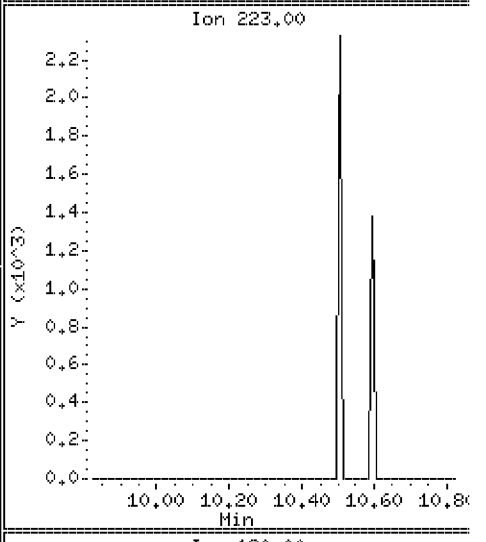
119 2-Acetylaminofluorene

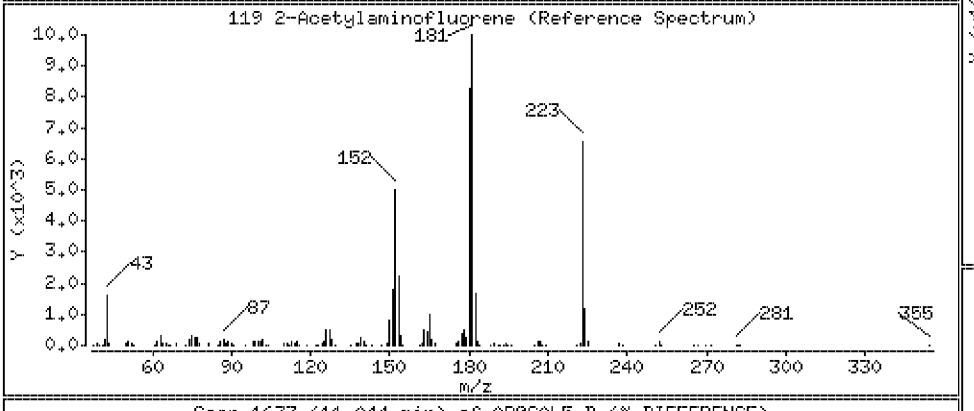
Concentration: 64.2 ug/l

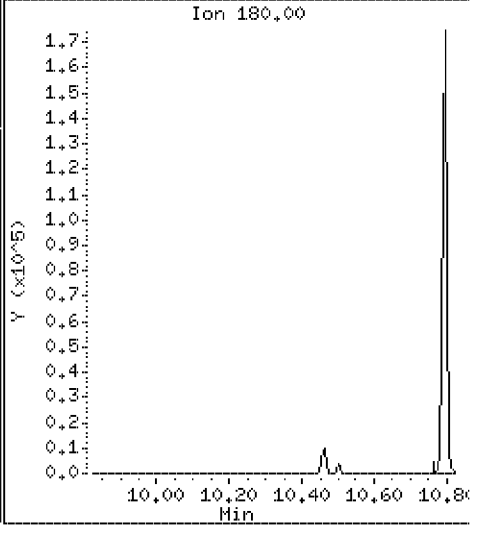


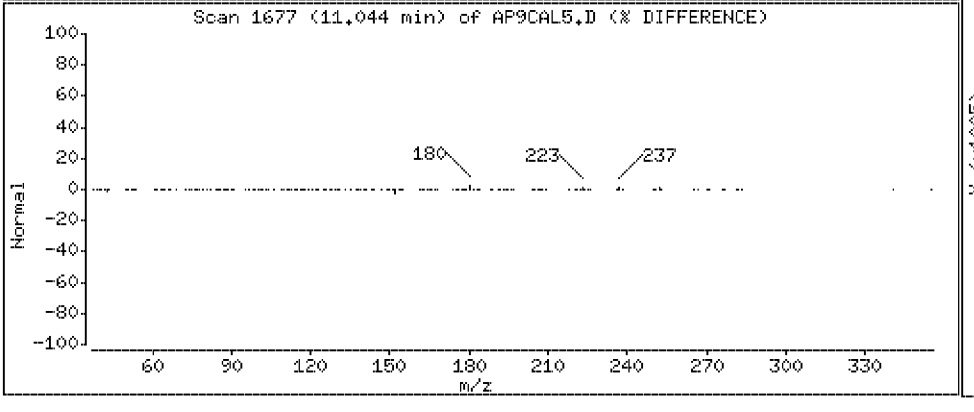












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

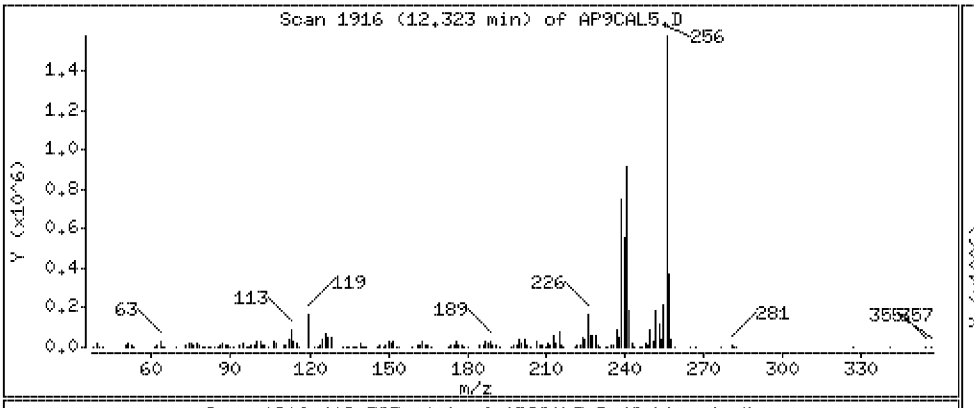
Operator: PEL

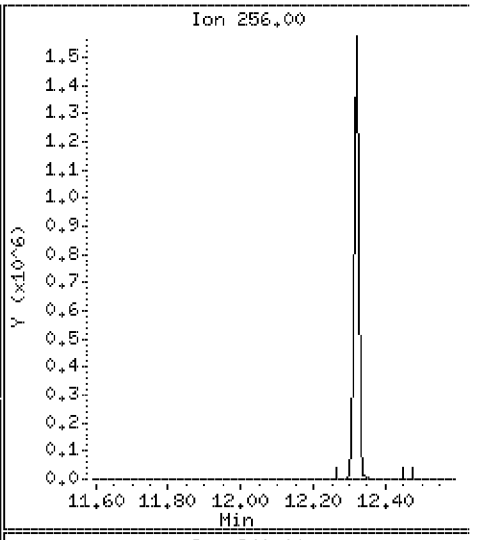
Column phase: HPMS-5

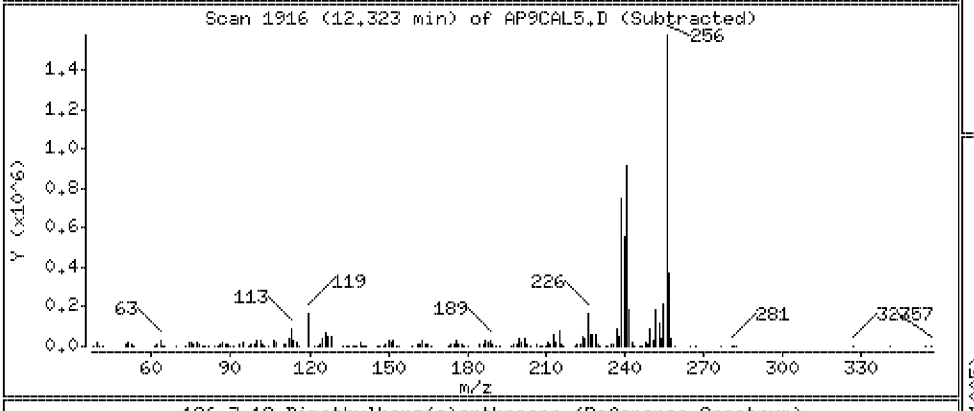
Column diameter: 0.25

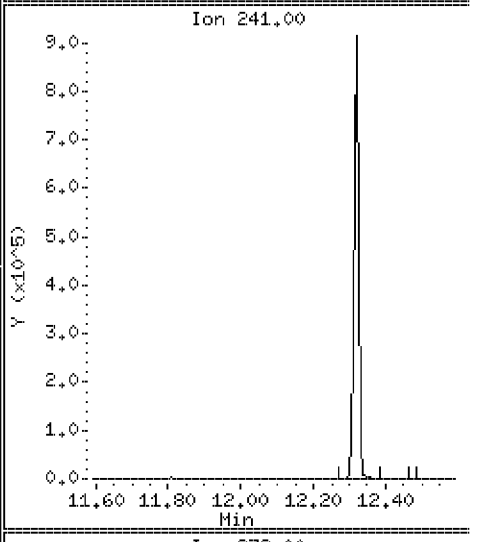
126 7,12-Dimethylbenz(a)anthracen

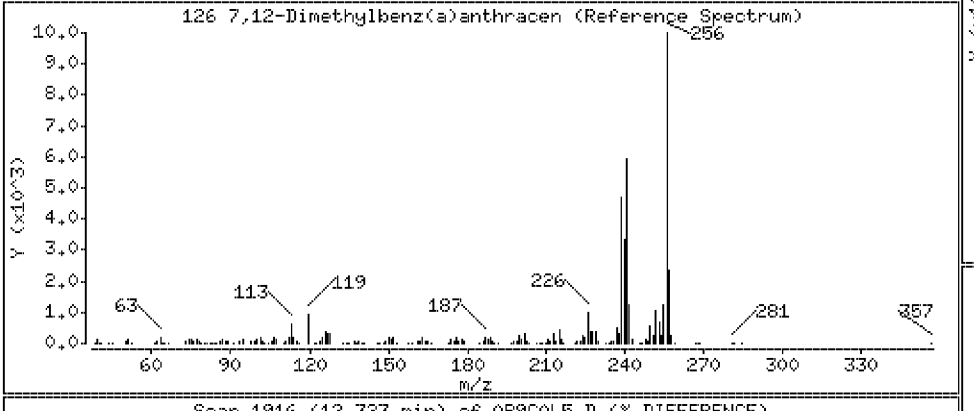
Concentration: 63.5 ug/l

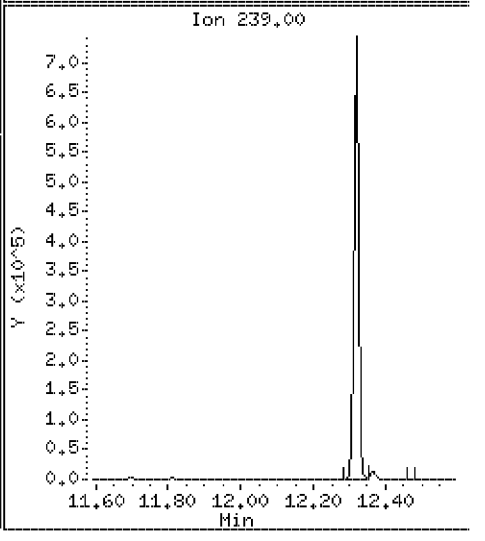


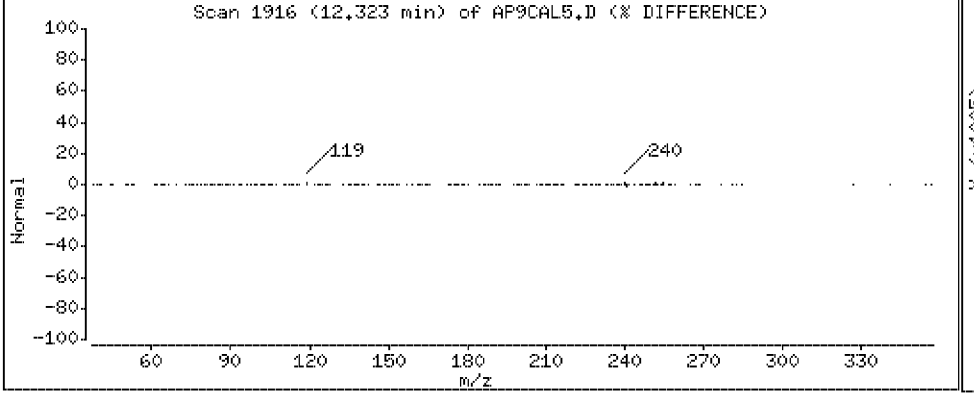












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL5.D

Date : 23-APR-2012 17:53

Client ID: AP9CAL5

Instrument: smsd03.i

Sample Info: 45957

Purge Volume: 1000.0

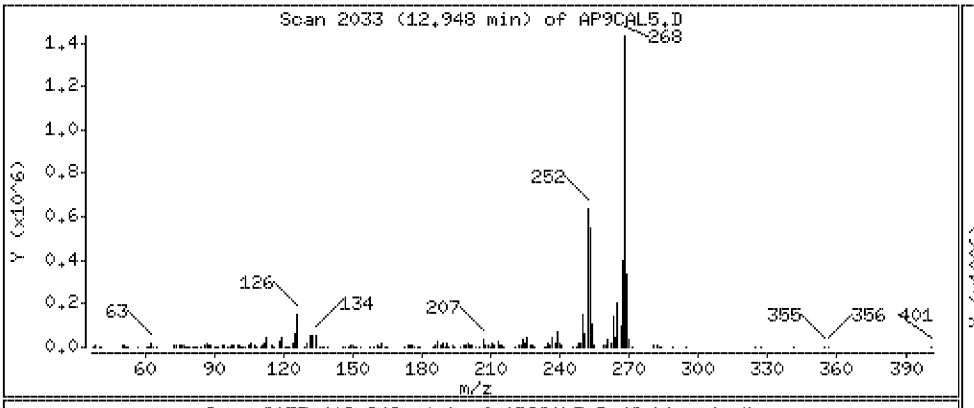
Operator: PEL

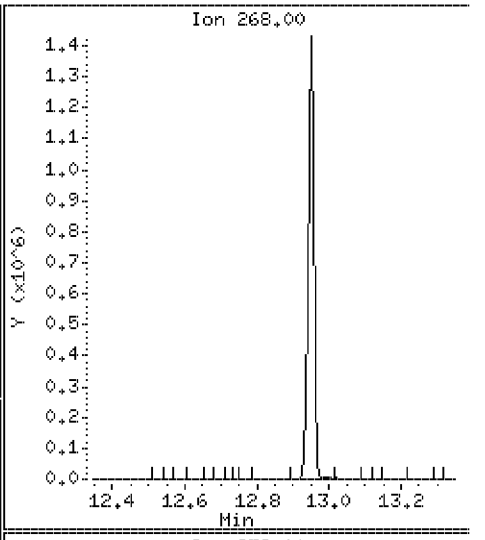
Column phase: HPMS-5

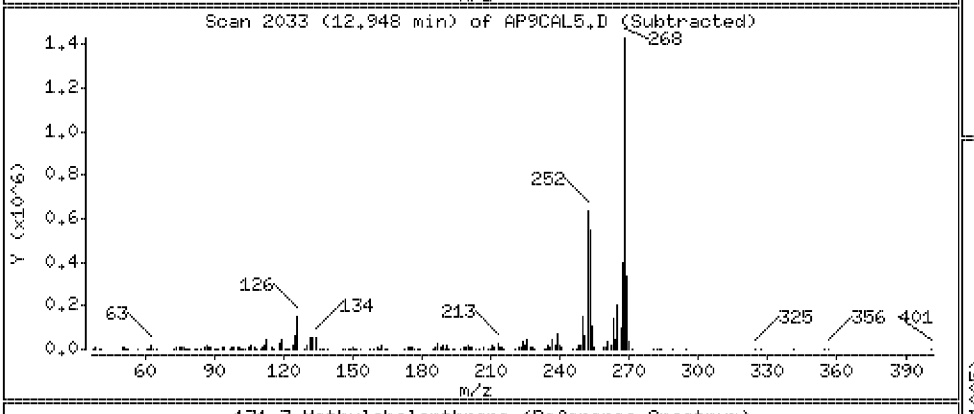
Column diameter: 0.25

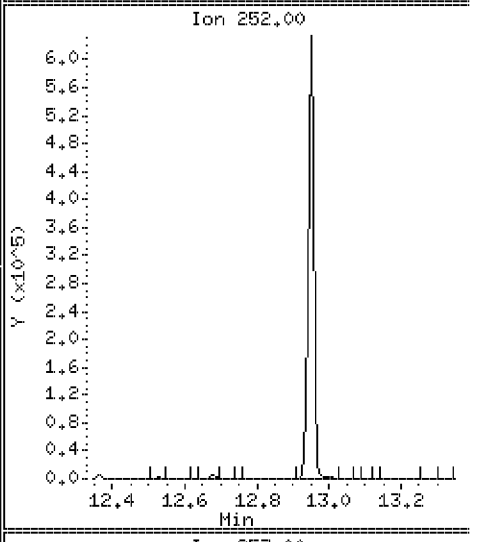
131 3-Methylcholanthrene

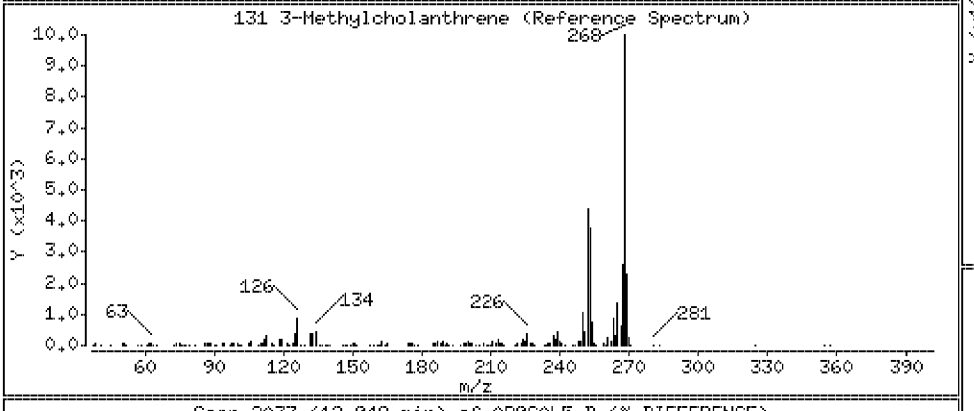
Concentration: 63.0 ug/l

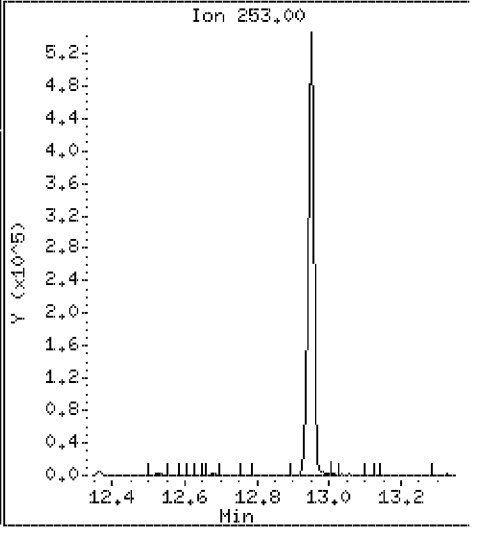


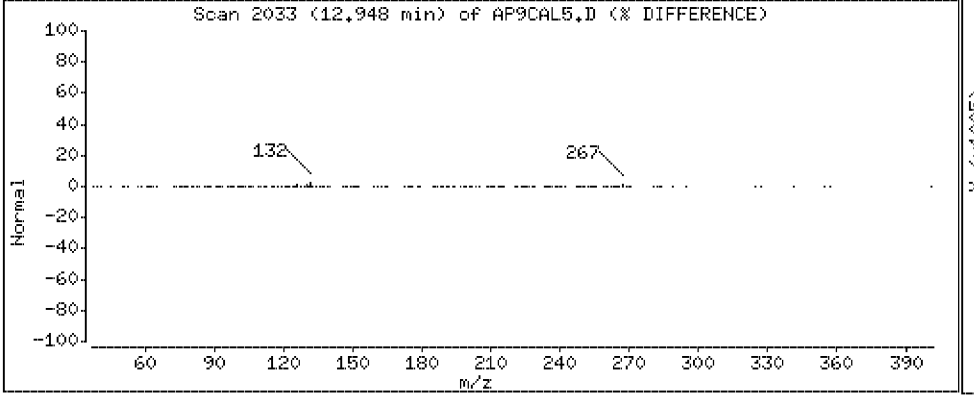












Date : 23-APR-2012 17:53

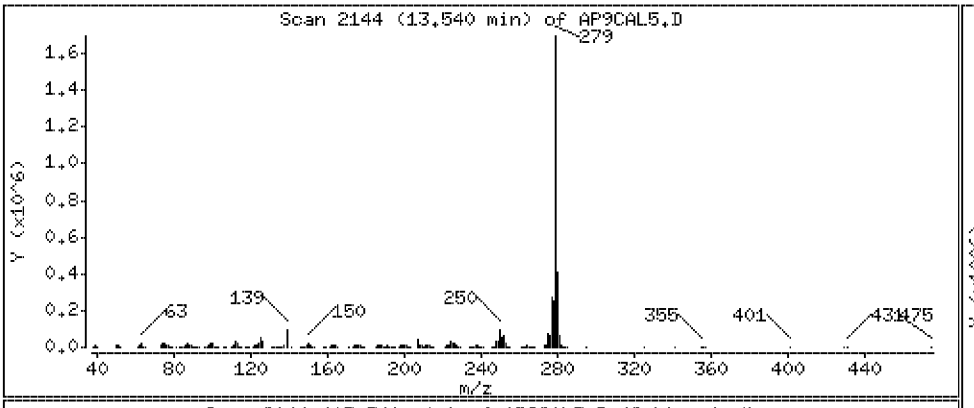
Client ID: AP9CAL5 Instrument: smsd03.i

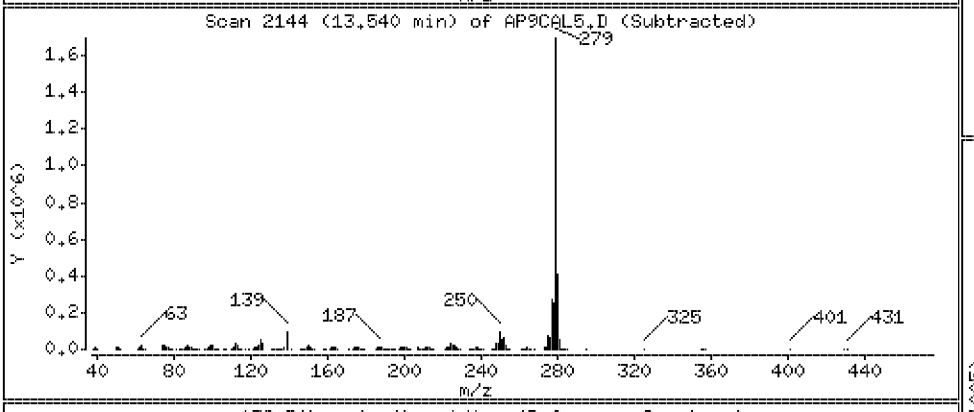
Sample Info: 45957

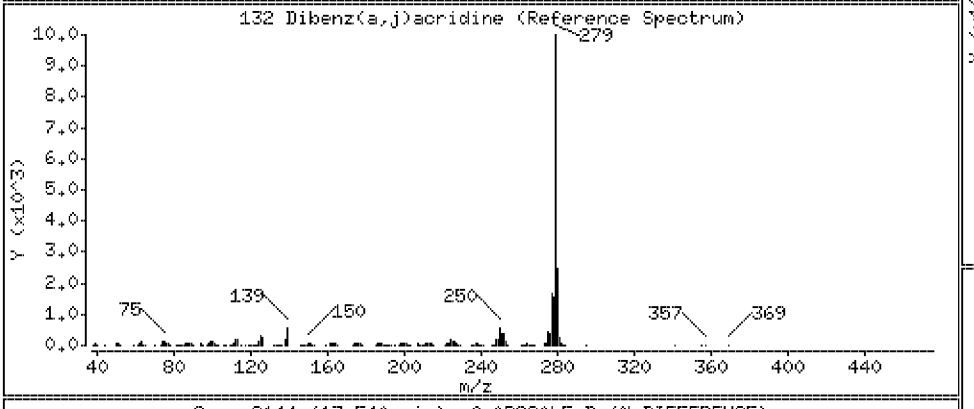
Purge Volume: 1000.0 Operator: PEL

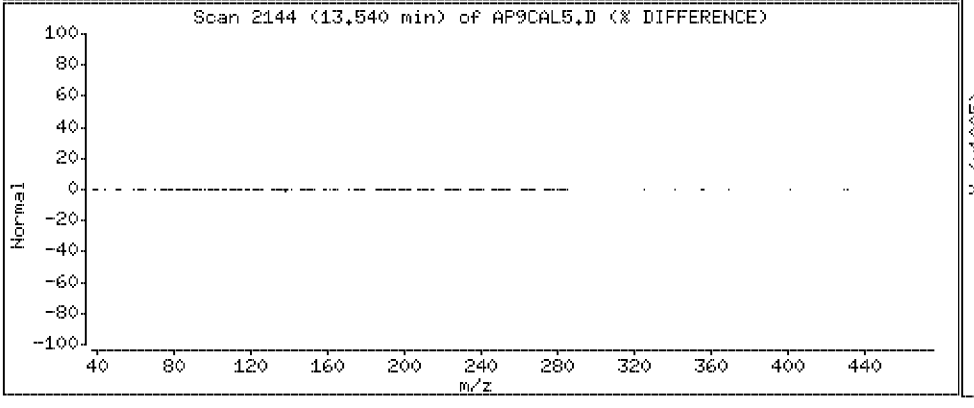
Column phase: HPMS-5 Column diameter: 0.25

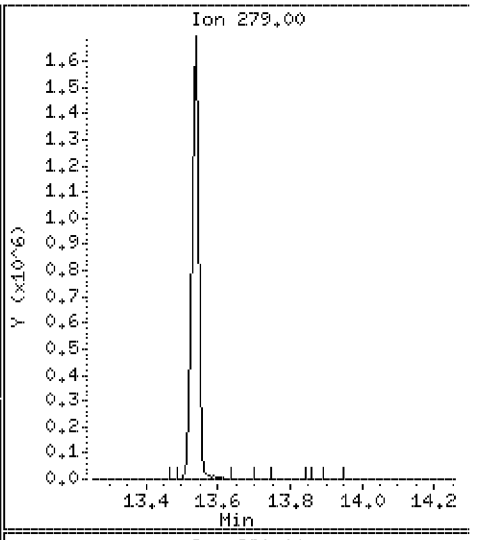
132 Dibenz(a,j)acridine Concentration: 62.8 ug/l

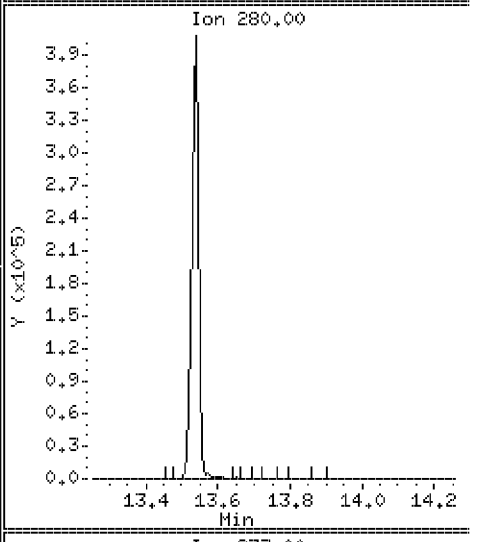


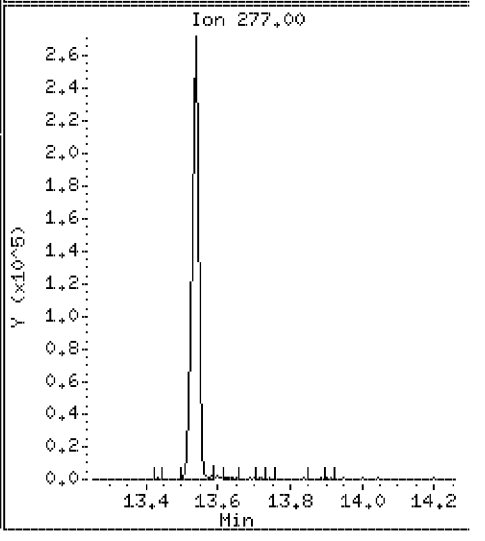












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D
Lab Smp Id: 45958 Client Smp ID: AP9CAL4
Inj Date : 23-APR-2012 18:17 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45958
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:53 Cal File: AP9CAL5.D
Als bottle: 21 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.929	3.382 (0.659)		93	480631	45.0000	45.4	70.00- 130.00	100.00
2.928	3.382 (0.659)		66	242180			46.98- 106.98	50.39
2.929	3.382 (0.659)		92	121021			941.44-1001.44	25.18
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.005	3.005 (0.676)		88	204276	45.0000	45.2	80.00- 120.00	100.00
3.004	3.005 (0.676)		43	95310			16.66- 76.66	46.66
3.005	3.005 (0.676)		42	215070			75.28- 135.28	105.28
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.238	3.383 (0.728)		80	340819	45.0000	45.6	70.00- 130.00	100.00
3.238	3.383 (0.728)		79	197376			41.30- 101.30	57.91
3.239	3.383 (0.728)		65	95211			390.98- 450.98	27.94
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.551	3.383 (0.799)		102	205501	45.0000	45.9	70.00- 130.00	100.00
3.550	3.383 (0.798)		42	147975			4947.35-5007.35	72.01
3.550	3.383 (0.798)		57	86207			172953.97-173013.97	41.95
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.788	4.446 (0.852)		79	355233	45.0000	45.8	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.788	4.446	(0.852)	109	181856			103.08- 163.08	51.19
3.788	4.446	(0.852)	97	63483			71.09- 131.09	17.87
	12 Pentachloroethane						CAS #: 76-01-7	
4.207	4.207	(0.946)	167	203590	45.0000	46.0	80.00- 120.00	100.00
4.207	4.207	(0.946)	117	147689			42.54- 102.54	72.54
4.207	4.207	(0.946)	130	85126			11.81- 71.81	41.81
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.447	4.448	(1.000)	152	289492	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	189427			32.20- 92.20	65.43
4.447	4.448	(1.000)	150	434848			139.77- 199.77	150.21
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.787	4.944	(1.076)	100	219904	45.0000	46.6	70.00- 130.00	100.00
4.786	4.944	(1.076)	41	146263			349.38- 409.38	66.51
4.787	4.944	(1.076)	42	122791			7836.39-7896.39	55.84
	25 Acetophenone						CAS #: 98-86-2	
4.801	4.807	(0.856)	105	615861	45.0000	44.8	70.00- 130.00	100.00
4.800	4.807	(0.856)	77	633284			4410.01-4470.01	102.83
4.800	4.807	(0.856)	51	160849			1262.06-1322.06	26.12
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.817	4.446	(1.083)	56	223130	45.0000	46.2	70.00- 130.00	100.00
4.818	4.446	(1.083)	116	78211			116.25- 176.25	35.05
4.817	4.446	(1.083)	86	152564			171.65- 231.65	68.37
	29 o-Toluidine						CAS #: 95-53-4	
4.836	4.814	(1.087)	106	719413	45.0000	46.7	70.00- 130.00	100.00
4.835	4.814	(1.087)	77	172966			36058.41-36118.41	24.04
4.836	4.814	(1.087)	107	522333			76505.71-76565.71	72.61
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.095	4.798	(0.909)	114	197732	45.0000	47.3	70.00- 130.00	100.00
5.094	4.798	(0.908)	42	226391			3934.42-3994.42	114.49
5.095	4.798	(0.909)	55	118459			491.51- 551.51	59.91
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.338	5.338	(1.200)	198	314044	45.0000	45.1	80.00- 120.00	100.00
5.337	5.338	(1.200)	97	203904			34.93- 94.93	64.93
5.336	5.338	(1.200)	65	172056			24.79- 84.79	54.79
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.439	5.370	(0.970)	58	692926	45.0000	47.3	70.00- 130.00	100.00(M)
5.441	5.370	(0.970)	91	222411			64.34- 124.34	32.10
5.441	5.370	(0.970)	65	122311			12409.05-12469.05	17.65
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.608	5.610	(1.000)	136	961576	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	51406			0.00- 35.51	5.35

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.691	5.691	(1.015)	162	370728	45.0000	46.1	70.00- 130.00	100.00
5.690	5.691	(1.015)	63	283153			8424.37-8484.37	76.38
5.691	5.691	(1.015)	98	99952			164.07- 224.07	26.96
47 Hexachloropropene						CAS #: 1888-71-7		
5.712	5.712	(1.019)	213	485101	45.0000	45.3	80.00- 120.00	100.00
5.712	5.712	(1.019)	215	313430			34.61- 94.61	64.61
5.711	5.712	(1.018)	117	98898			0.00- 50.39	20.39
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.991	6.287	(1.068)	84	356991	45.0000	46.1	70.00- 130.00	100.00
5.991	6.287	(1.068)	57	216804			1288.18-1348.18	60.73
5.991	6.287	(1.068)	41	179297			66.46- 126.46	50.22
52 Isosafrole						CAS #: 120-58-1		
6.200	6.619	(1.106)	162	350018	45.0000	44.9	70.00- 130.00	100.00
6.200	6.619	(1.106)	104	265432			0.00- 46.22	75.83
6.200	6.619	(1.106)	131	176285			37.69- 97.69	50.36
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.452	6.452	(0.883)	216	562146	45.0000	45.8	80.00- 120.00	100.00
6.452	6.452	(0.883)	214	439535			48.19- 108.19	78.19
6.451	6.452	(0.883)	108	100143			0.00- 47.81	17.81
60 Safrole						CAS #: 94-59-7		
6.702	6.619	(1.195)	162	342646	45.0000	46.8	70.00- 130.00	100.00
6.701	6.619	(1.195)	104	219117			0.00- 46.22	63.95
6.701	6.619	(1.195)	77	140552			0.00- 57.00	41.02
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.931	6.642	(0.949)	158	320878	45.0000	46.3	70.00- 130.00	100.00
6.931	6.642	(0.949)	102	295643			523.56- 583.56	92.14
6.931	6.642	(0.949)	130	152421			0.00- 46.52	47.50
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.068	7.368	(0.968)	168	153766	45.0000	46.9	70.00- 130.00	100.00
7.067	7.368	(0.968)	75	198100			98.40- 158.40	128.83
7.067	7.368	(0.968)	50	109701			177.84- 237.84	71.34
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	648297	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	635914			64.73- 124.73	98.09
7.303	7.305	(1.000)	160	290776			12.46- 72.46	44.85
73 Pentachlorobenzene						CAS #: 608-93-5		
7.467	7.467	(1.022)	250	544750	45.0000	45.5	80.00- 120.00	100.00
7.467	7.467	(1.022)	252	353671			34.92- 94.92	64.92
7.465	7.467	(1.022)	108	146768			0.00- 56.94	26.94
77 1-Naphthylamine						CAS #: 134-32-7		
7.581	7.837	(1.038)	143	516432	45.0000	45.6	70.00- 130.00	100.00
7.580	7.837	(1.038)	115	299806			7143.21-7203.21	58.05

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	77 1-Naphthylamine (continued)							
7.581	7.837 (1.038)		89	65284			2068.79-2128.79	12.64
	78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2	
7.634	7.634 (1.045)		232	307313	45.0000	46.7	70.00- 130.00	100.00
7.634	7.634 (1.045)		168	80128			42.05- 102.05	26.07
7.633	7.634 (1.045)		131	125373			9.10- 69.10	40.80
	79 2-Naphthylamine						CAS #: 91-59-8	
7.660	7.837 (1.049)		143	679854	45.0000	45.8	70.00- 130.00	100.00
7.660	7.837 (1.049)		115	391403			7143.21-7203.21	57.57
7.660	7.837 (1.049)		116	154977			667.96- 727.96	22.80
	83 5-Nitro-ortho-toluidine						CAS #: 99-55-8	
7.856	7.896 (1.076)		152	267691	45.0000	46.4	70.00- 130.00	100.00
7.856	7.896 (1.076)		106	192927			505.60- 565.60	72.07
7.855	7.896 (1.075)		77	337606			735.48- 795.48	126.12
	90 1,3,5-Trinitrobenzene						CAS #: 99-35-4	
8.216	8.152 (1.125)		75	686832	45.0000	43.8	70.00- 130.00	100.00
8.216	8.152 (1.125)		74	422803			50.14- 110.14	61.56
8.217	8.152 (1.125)		213	247157			40.88- 100.88	35.99
	89 Diallate						CAS #: 2303-16-4	
8.233	8.081 (1.127)		86	363680	45.0000	45.2	70.00- 130.00	100.00(M)
8.233	8.081 (1.127)		43	369418			0.00- 38.70	101.58
8.233	8.081 (1.127)		234	241872			0.00- 39.00	66.51
	92 Phenacetin						CAS #: 62-44-2	
8.264	8.384 (0.943)		109	395788	45.0000	43.5	70.00- 130.00	100.00
8.264	8.384 (0.943)		108	459699			77.38- 137.38	116.15
8.265	8.384 (0.943)		179	272423			133.19- 193.19	68.83
	91 p-Phenylenediamine						CAS #: 106-50-3	
8.264	8.082 (0.943)		108	459699	45.0000	46.1	70.00- 130.00	100.00
8.264	8.082 (0.943)		80	127905			1858.68-1918.68	27.82
8.264	8.082 (0.943)		53	60797			5306.16-5366.16	13.23
	97 Pentachloronitrobenzene						CAS #: 82-68-8	
8.589	8.589 (0.980)		237	212741	45.0000	45.4	80.00- 120.00	100.00
8.590	8.589 (0.981)		295	79479			7.36- 67.36	37.36
8.588	8.589 (0.980)		142	155289			42.99- 102.99	72.99
	98 4-Aminobiphenyl						CAS #: 92-67-1	
8.575	8.584 (0.979)		169	1011064	45.0000	44.8	70.00- 130.00	100.00
8.575	8.584 (0.979)		168	228739			0.00- 49.63	22.62
8.575	8.584 (0.979)		115	125997			0.00- 40.98	12.46
	99 Pronamide						CAS #: 23950-58-5	
8.632	8.781 (0.985)		173	509512	45.0000	45.4	70.00- 130.00	100.00
8.632	8.781 (0.985)		175	328134			2051.90-2111.90	64.40
8.632	8.781 (0.985)		145	193465			63.94- 123.94	37.97

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.760	8.761	(1.000)	188	1305719	40.0000		80.00- 120.00	100.00
8.759	8.761	(1.000)	94	84472			0.00- 36.35	6.47
8.758	8.761	(1.000)	80	107637			0.00- 37.82	8.24
102 Dinoseb						CAS #: 88-85-7		
8.753	8.753	(0.999)	211	331362	45.0000	44.6	80.00- 120.00	100.00
8.753	8.753	(0.999)	163	125171			7.77- 67.77	37.77
8.753	8.753	(0.999)	117	73071			0.00- 52.05	22.05
106 4-Nitroquinoline-1-oxide						CAS #: 56-57-5		
9.542	9.334	(1.089)	174	13988	45.0000	44.6	70.00- 130.00	100.00
9.542	9.334	(1.089)	128	29859			429.24- 489.24	213.46
9.542	9.334	(1.089)	101	51876			988.96-1048.96	370.86
107 Methapyrilene						CAS #: 91-80-5		
9.608	10.322	(1.097)	97	21560	45.0000	49.3	70.00- 130.00	100.00
9.609	10.322	(1.097)	58	20965			11.52- 71.52	97.24
9.611	10.322	(1.097)	191	3685			0.00- 52.18	17.09
108 Isodrin						CAS #: 465-73-6		
9.801	10.279	(1.119)	193	177354	45.0000	44.6	70.00- 130.00	100.00
9.800	10.279	(1.119)	66	160890			17952.44-18012.44	90.72
9.801	10.279	(1.119)	195	145300			1135.23-1195.23	81.93
113 Aramite						CAS #: 140-57-8		
10.370	10.370	(0.913)	185	170387	45.0000	46.4	80.00- 120.00	100.00(M)
10.370	10.370	(0.913)	191	88230			21.78- 81.78	51.78
10.295	10.370	(0.907)	319	62478			6.67- 66.67	36.67
114 p-Dimethylamino azobenzene						CAS #: 60-11-7		
10.460	10.323	(0.921)	225	415771	45.0000	45.9	70.00- 130.00	100.00
10.459	10.323	(0.921)	120	397057			99.50- 159.50	95.50
10.459	10.323	(0.921)	77	431714			9.48- 69.48	103.83
115 Chlorobenzilate						CAS #: 510-15-6		
10.503	10.503	(0.925)	251	638915	45.0000	45.6	80.00- 120.00	100.00
10.503	10.503	(0.925)	253	420265			35.78- 95.78	65.78
10.502	10.503	(0.925)	139	579608			60.72- 120.72	90.72
116 Kepone						CAS #: 143-50-0		
10.840	10.840	(0.955)	272	117329	45.0000	49.0	80.00- 120.00	100.00(QM)
10.840	10.840	(0.955)	274	95904			51.74- 111.74	81.74
10.840	10.840	(0.955)	237	34634			0.00- 59.52	29.52
117 3,3-Dimethylbenzidine						CAS #: 119-93-7		
10.792	10.799	(0.951)	212	1305021	45.0000	47.4	70.00- 130.00	100.00
10.791	10.799	(0.951)	106	86218			2299.94-2359.94	6.61
10.792	10.799	(0.951)	180	97054			6.44- 66.44	7.44
119 2-Acetylaminofluorene						CAS #: 53-96-3		
11.041	10.324	(0.972)	181	744070	45.0000	46.9	70.00- 130.00	100.00
11.041	10.324	(0.973)	223	485551			491.83- 551.83	65.26

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	119 2-Acetylaminofluorene (continued)							
11.041	10.324	(0.972)	180	624673			639.65- 699.65	83.95
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.353	11.359	(1.000)	240	1538825	40.0000		80.00- 120.00	100.00
11.352	11.359	(1.000)	120	80675			0.00- 36.38	5.24
11.353	11.359	(1.000)	236	407408			0.00- 57.06	26.48
126 7,12-Dimethylbenz(a)anthracen							CAS #: 57-97-6	
12.321	12.088	(0.972)	256	983315	45.0000	45.5	70.00- 130.00	100.00
12.320	12.088	(0.972)	241	563346			77.87- 137.87	57.29
12.320	12.088	(0.972)	239	460240			73.24- 133.24	46.80
* 130 Perylene-d12							CAS #: 1520-96-3	
12.679	12.682	(1.000)	264	1517152	40.0000		80.00- 120.00	100.00
12.679	12.682	(1.000)	260	368091			0.00- 54.80	24.26
12.678	12.682	(1.000)	265	349150			0.00- 53.39	23.01
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.945	12.847	(1.021)	268	1112021	45.0000	45.7	70.00- 130.00	100.00
12.945	12.847	(1.021)	252	483271			13.23- 73.23	43.46
12.945	12.847	(1.021)	253	407276			6.61- 66.61	36.62
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.537	13.755	(1.068)	279	1628190	45.0000	46.5	70.00- 130.00	100.00
13.537	13.755	(1.068)	280	384523			0.00- 41.79	23.62
13.537	13.755	(1.068)	277	250979			93.47- 153.47	15.41

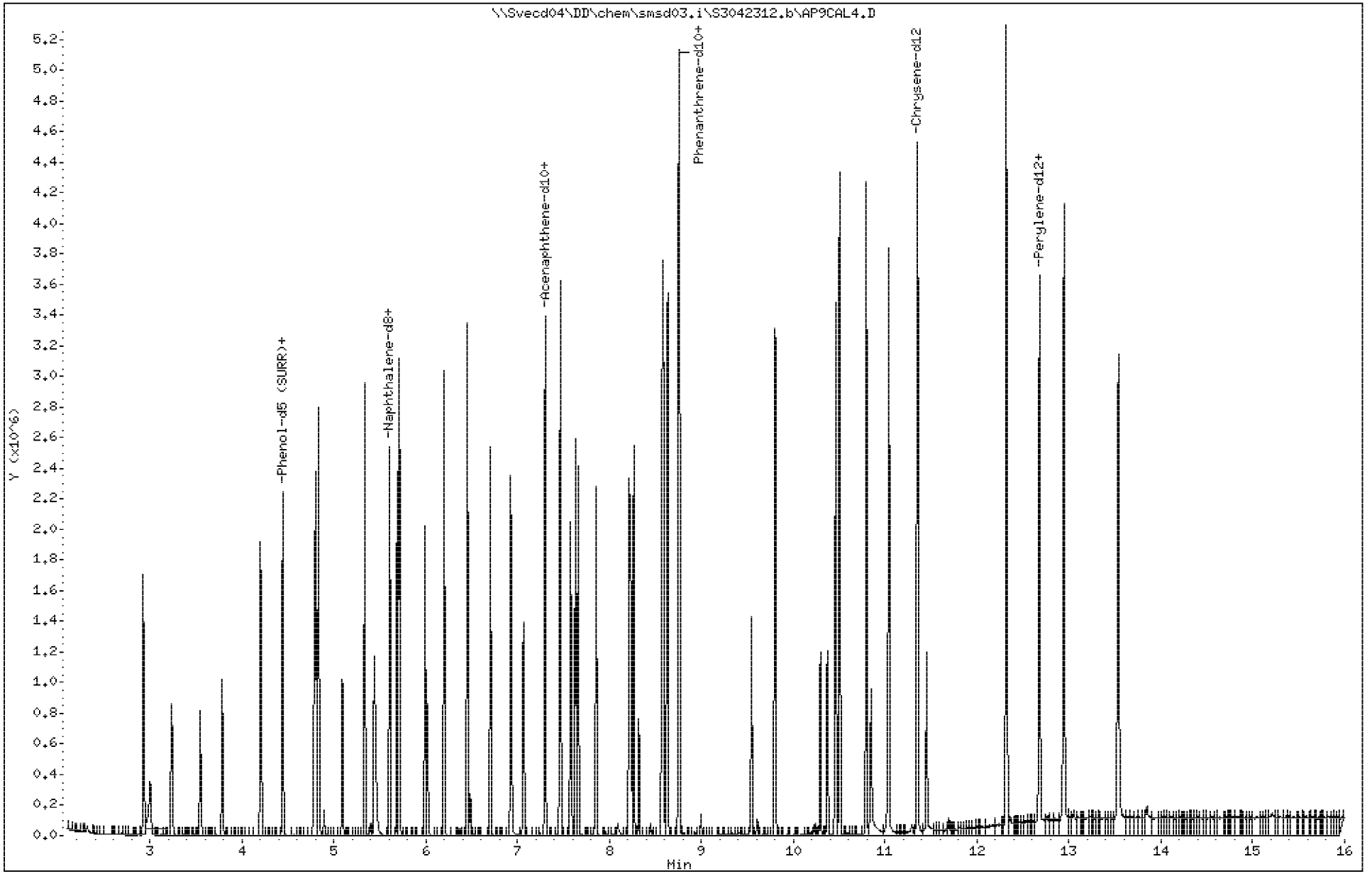
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D
Date : 23-APR-2012 18:17
Client ID: AP9CAL4
Instrument: smsd03.i
Sample Info: 45958
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1776

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

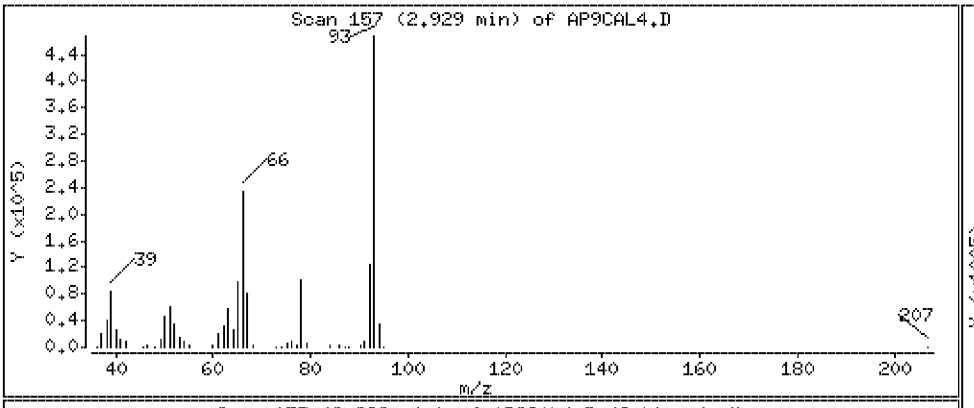
Operator: PEL

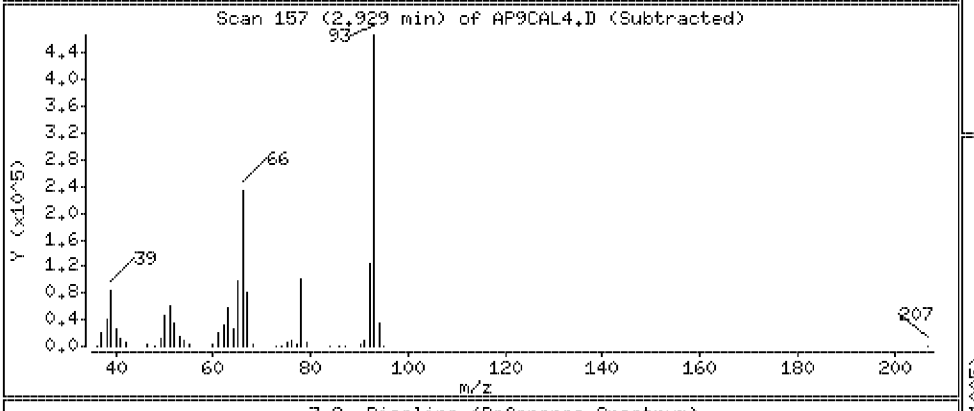
Column phase: HPMS-5

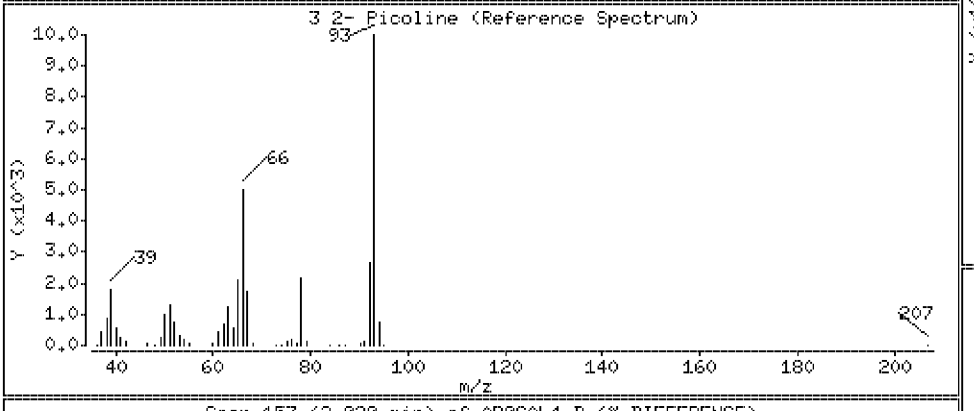
Column diameter: 0.25

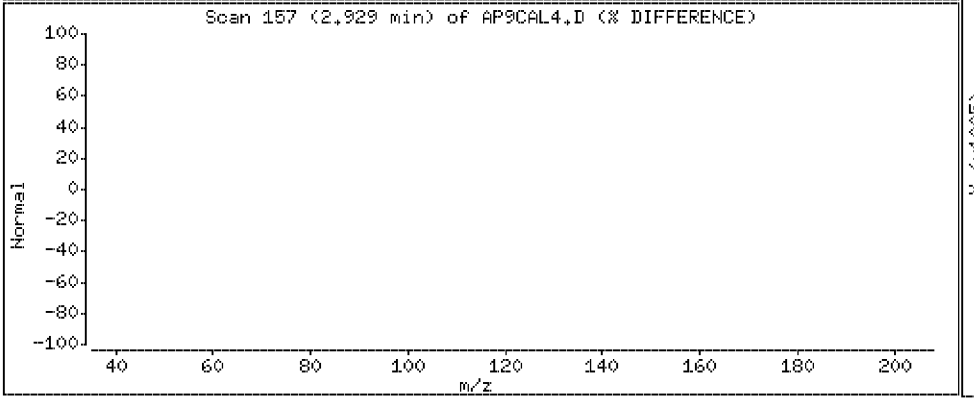
3 2- Picoline

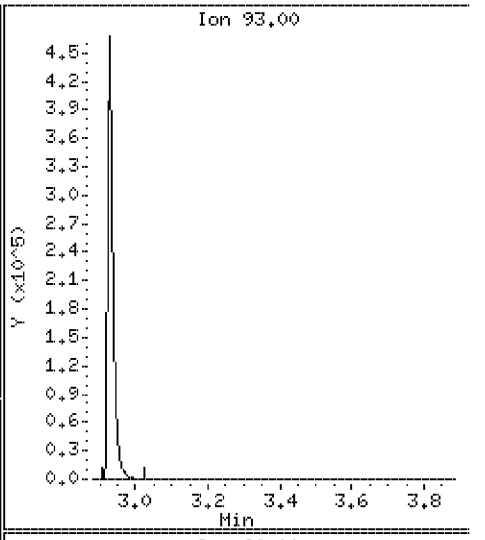
Concentration: 45.4 ug/l

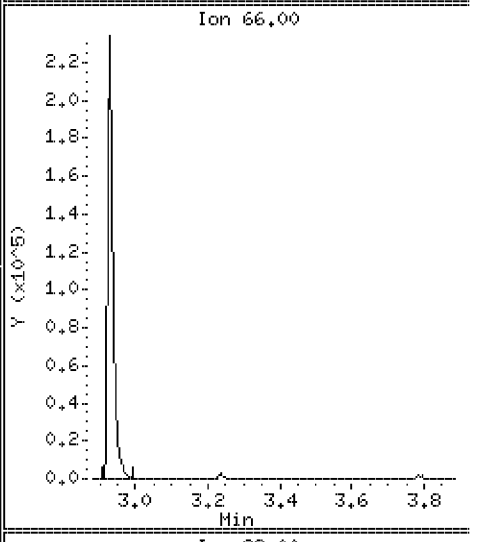


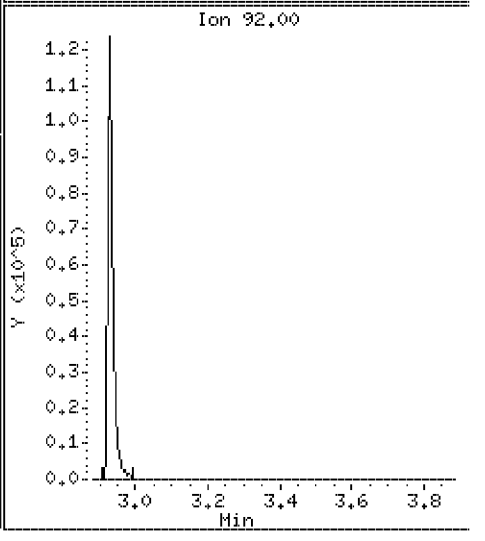












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

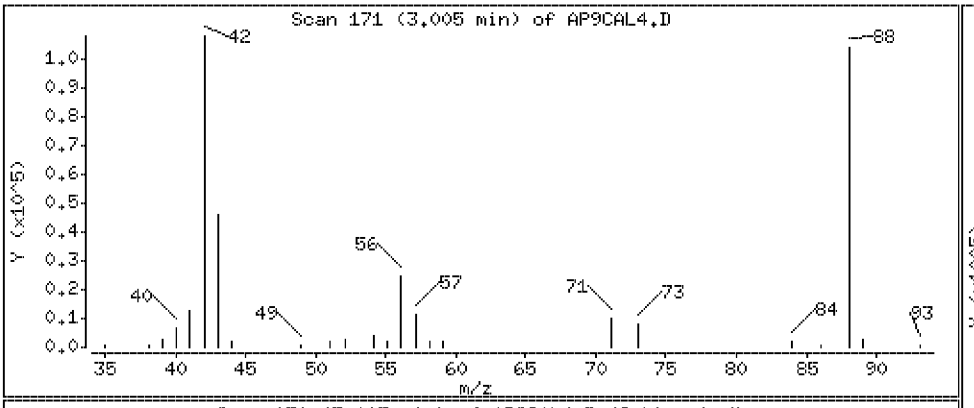
Operator: PEL

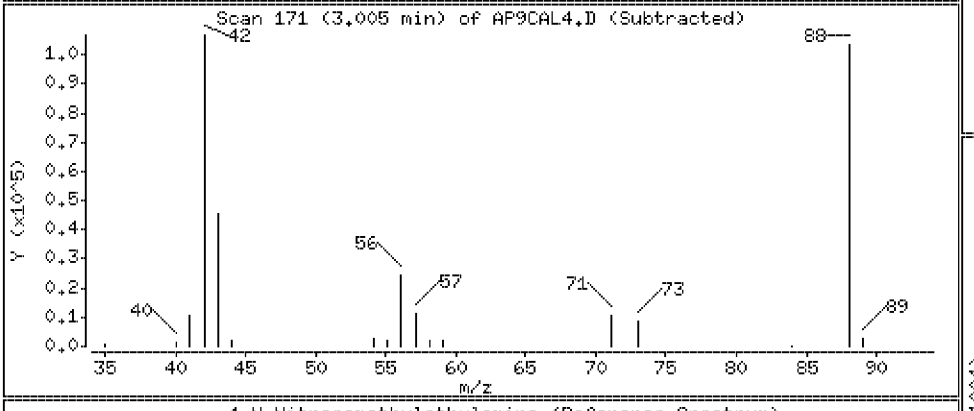
Column phase: HPMS-5

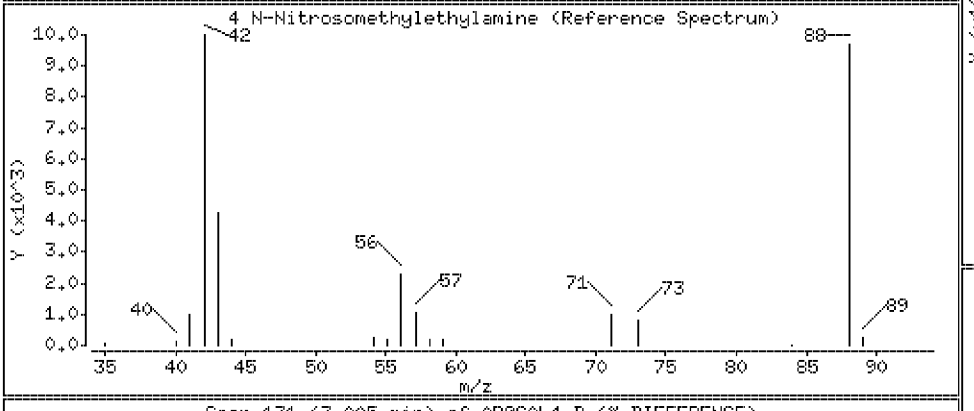
Column diameter: 0.25

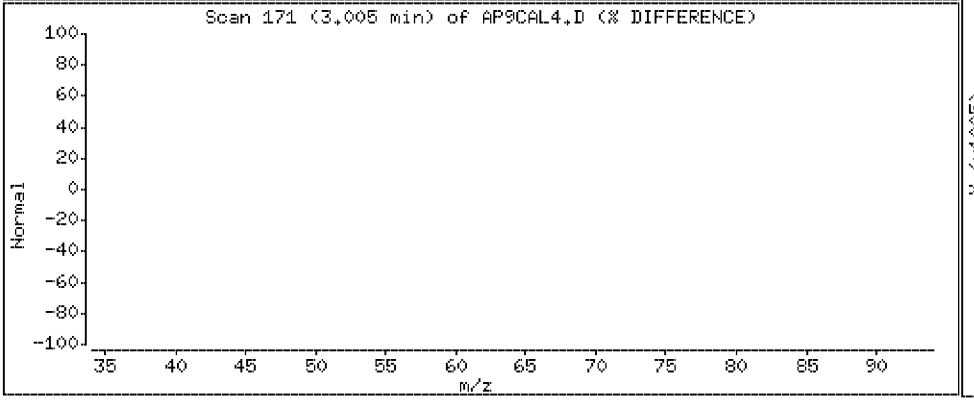
4 N-Nitrosomethylethylamine

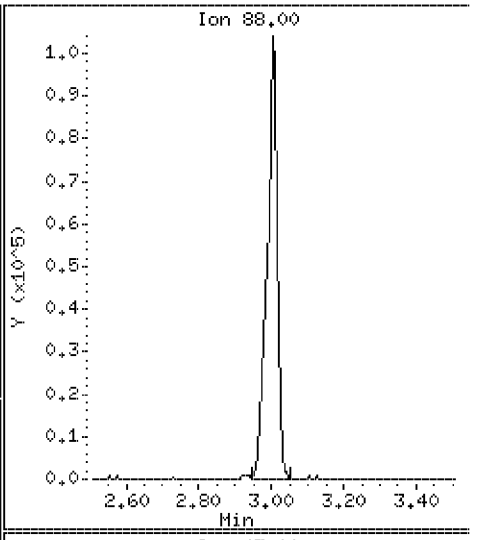
Concentration: 45.2 ug/l

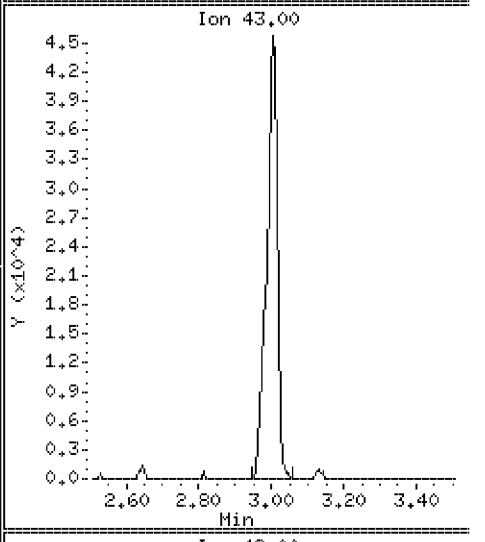


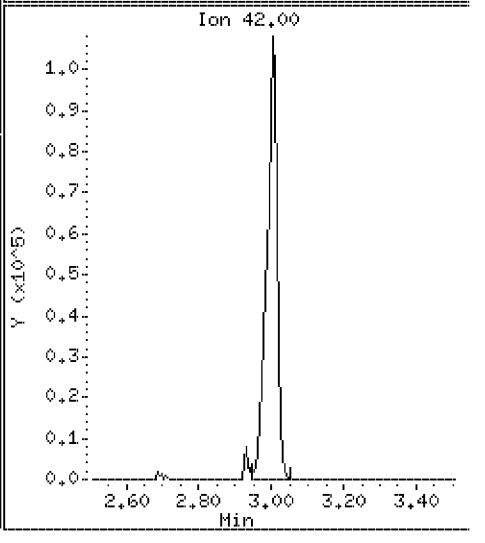












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

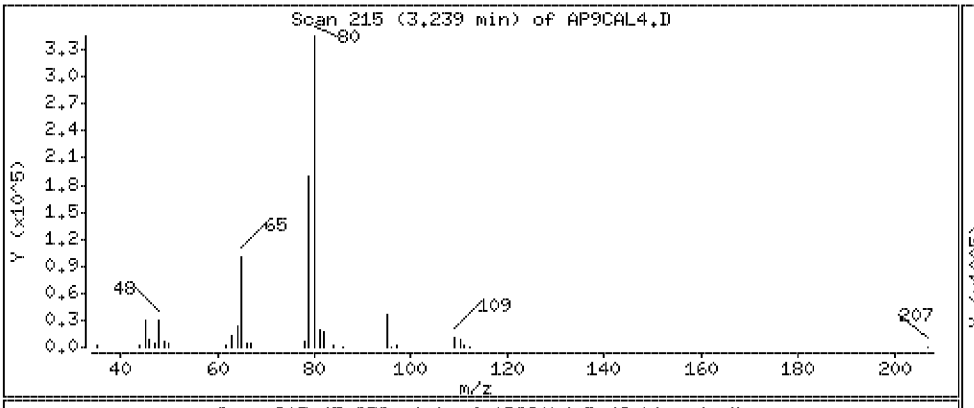
Operator: PEL

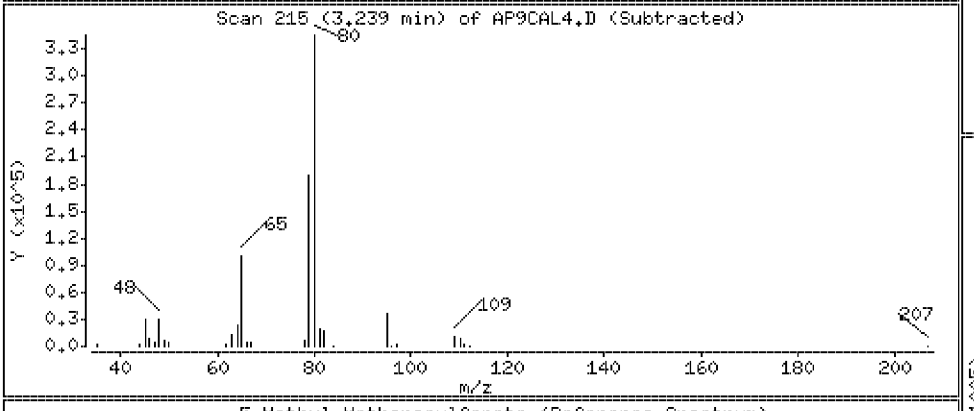
Column phase: HPMS-5

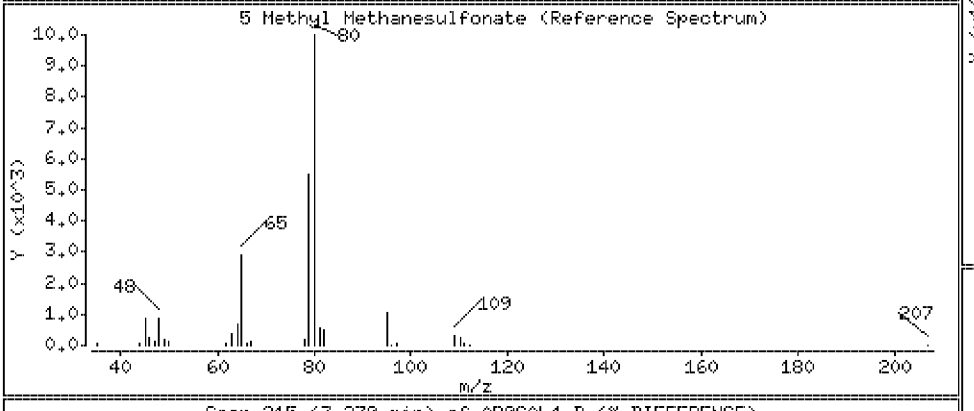
Column diameter: 0.25

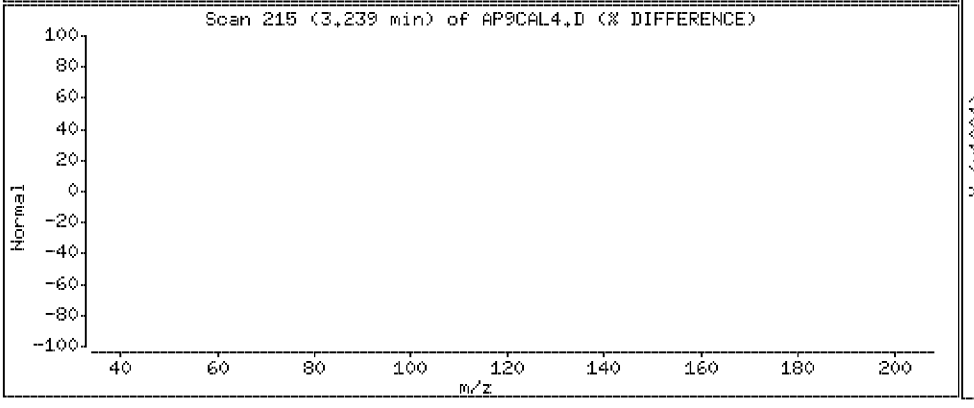
5 Methyl Methanesulfonate

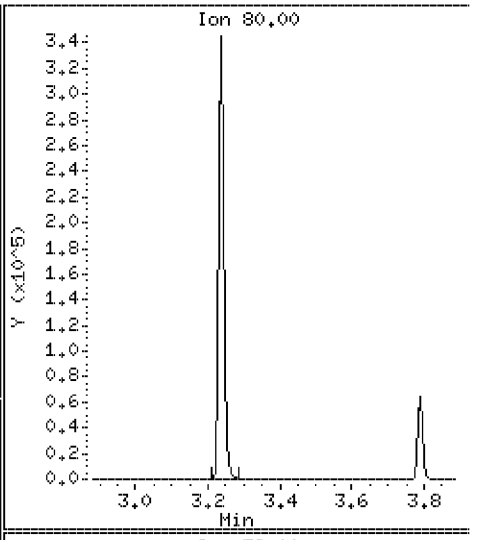
Concentration: 45.6 ug/l

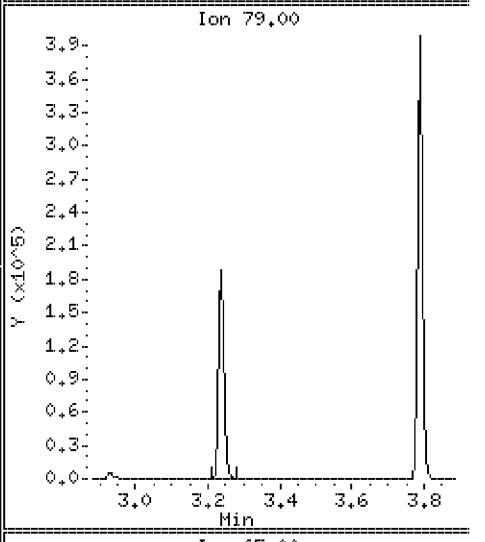


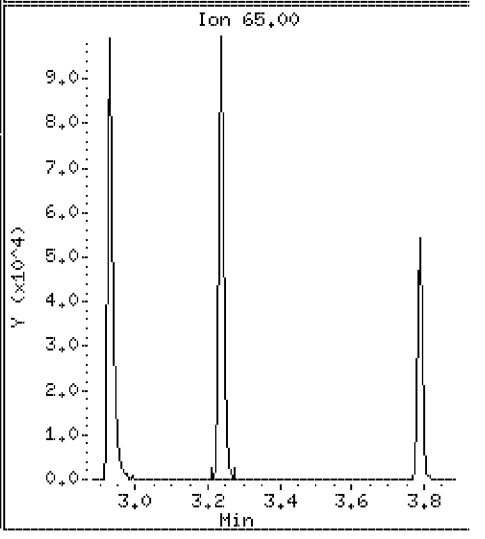












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

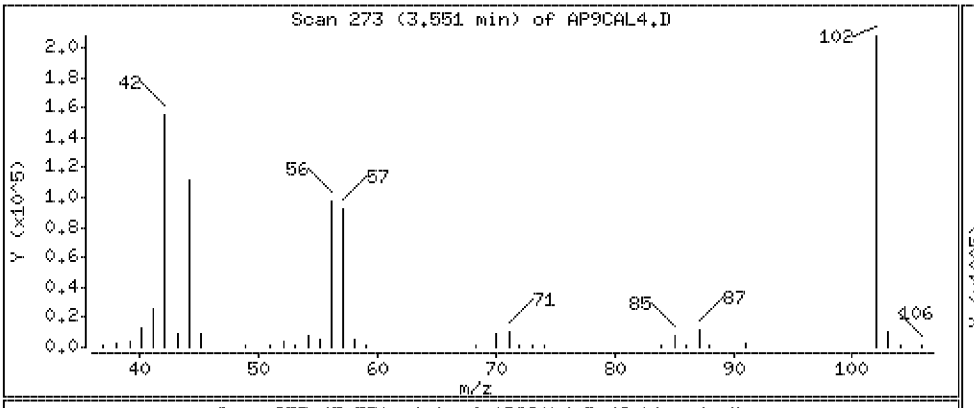
Operator: PEL

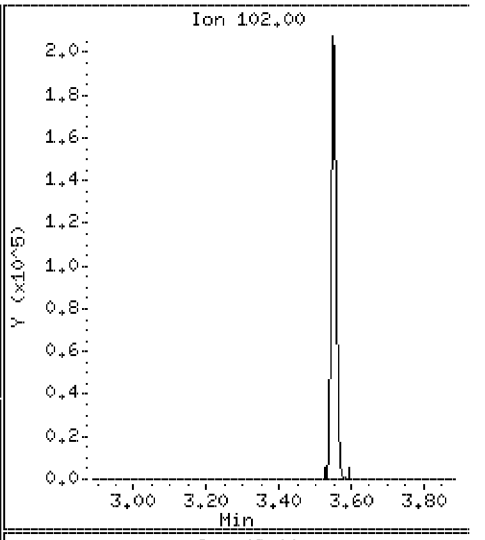
Column phase: HPMS-5

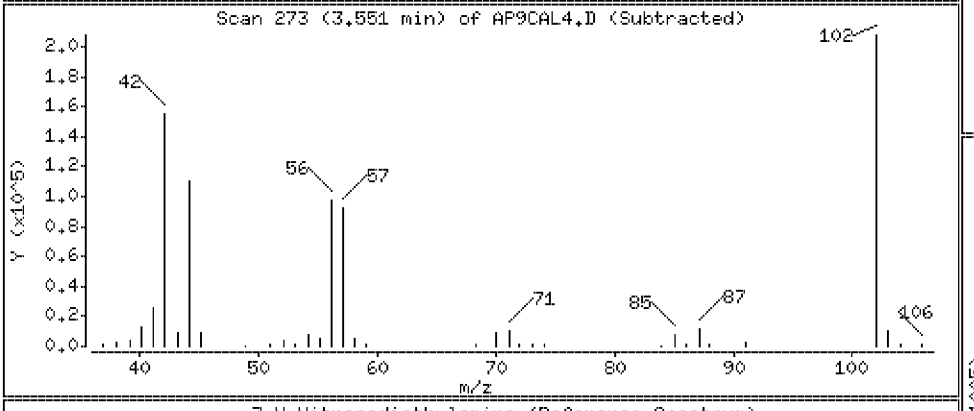
Column diameter: 0.25

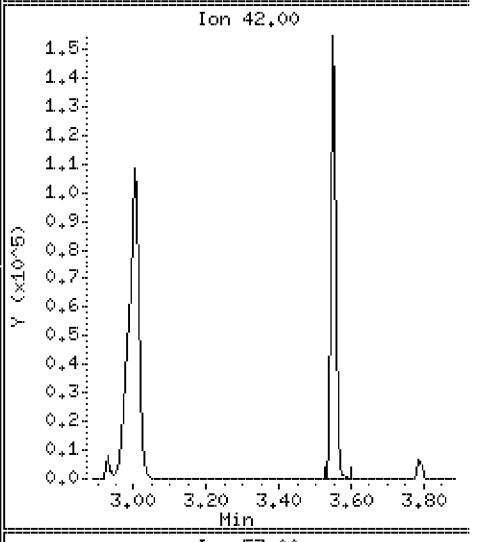
7 N-Nitrosodiethylamine

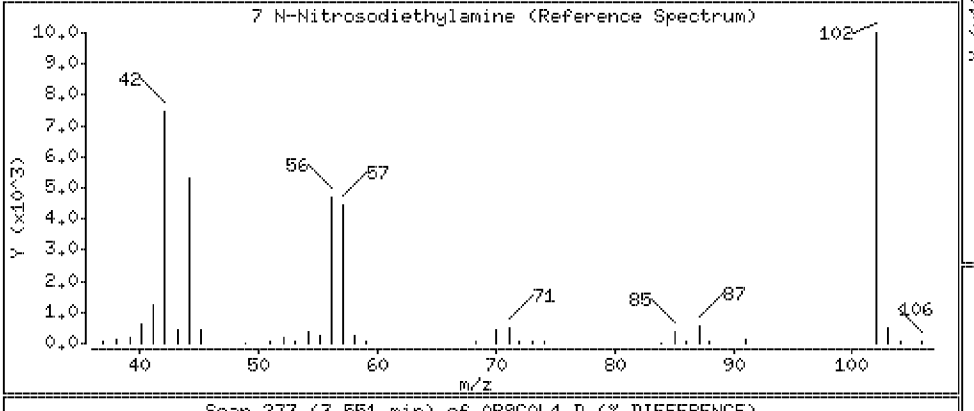
Concentration: 45.9 ug/l

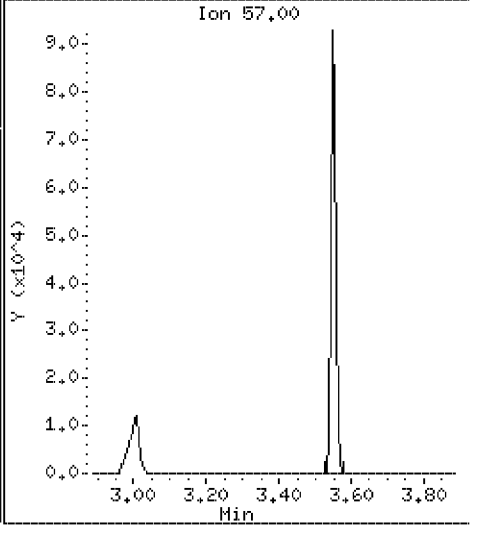


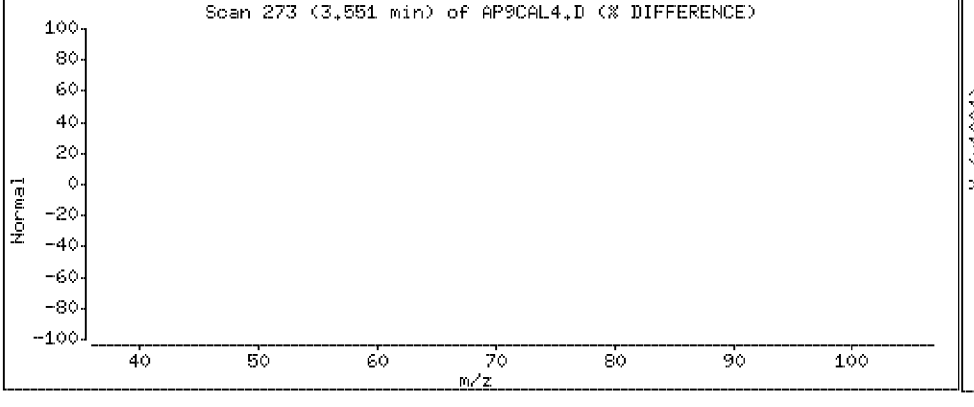












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

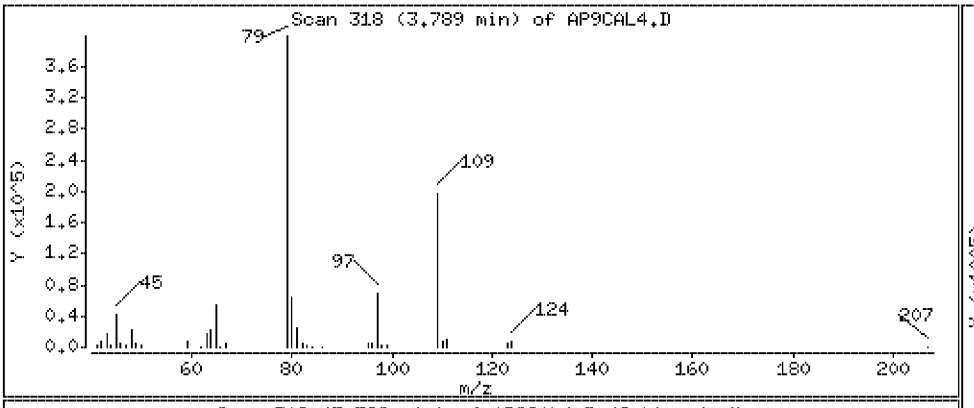
Operator: PEL

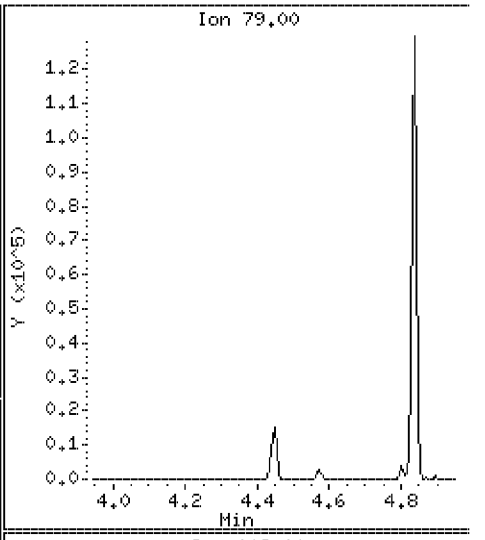
Column phase: HPMS-5

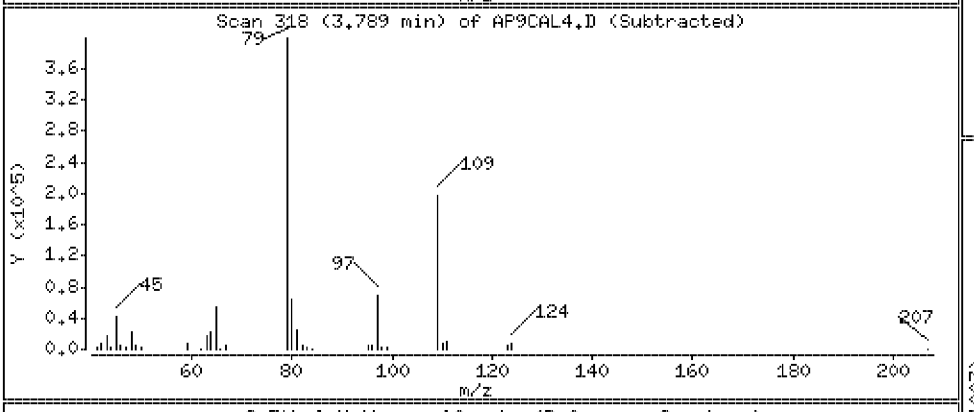
Column diameter: 0.25

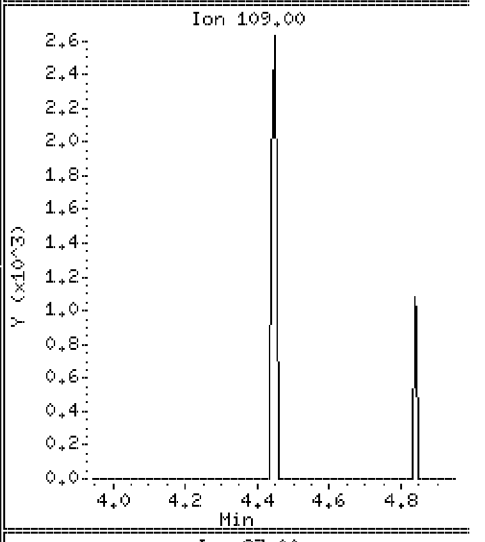
8 Ethyl Methanesulfonate

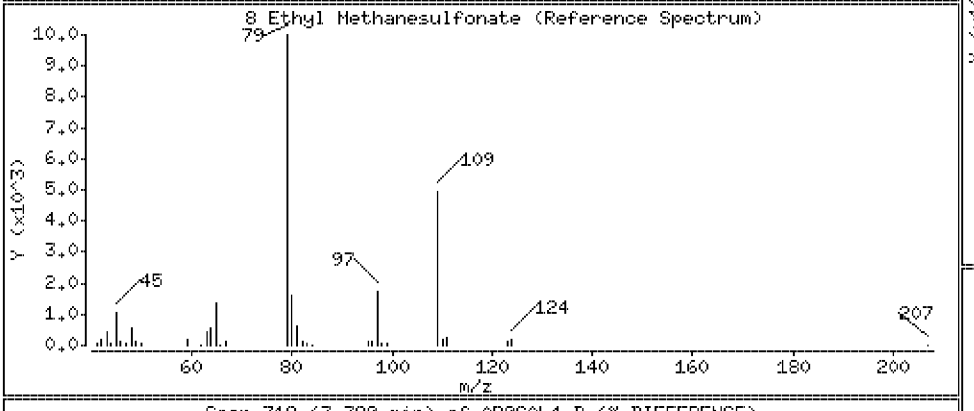
Concentration: 45.8 ug/l

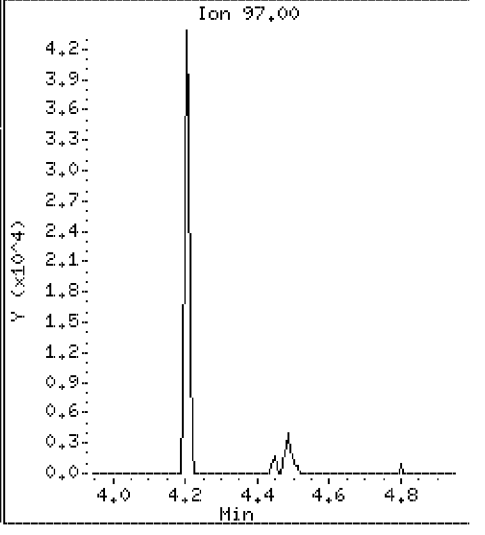


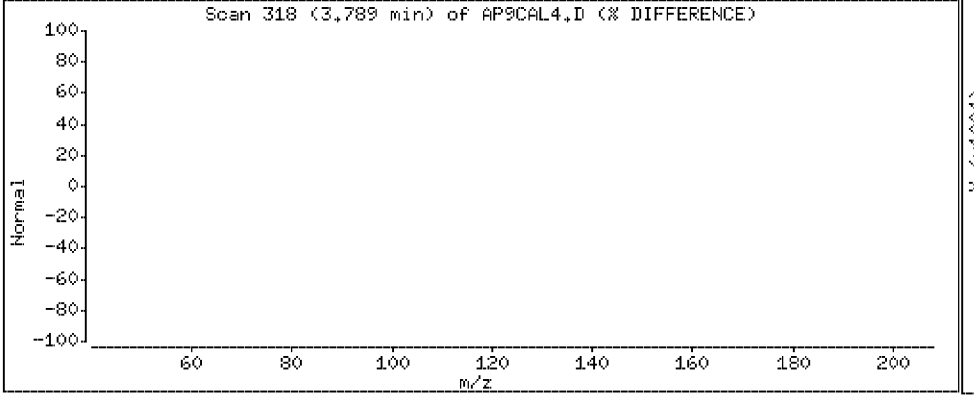












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

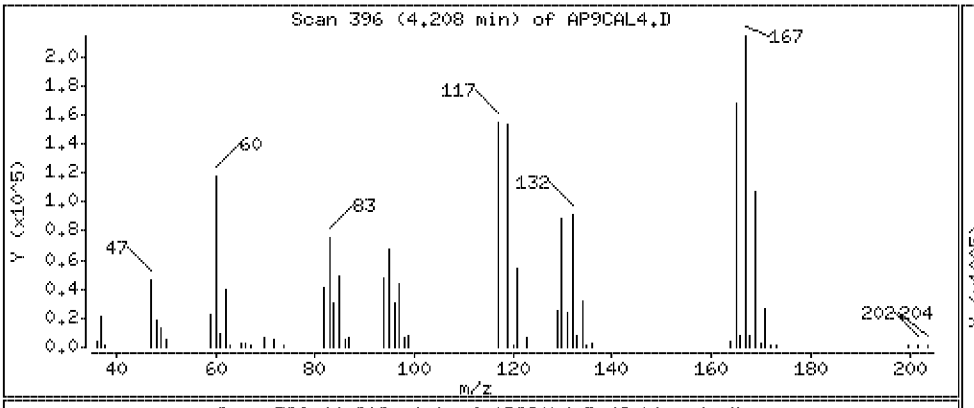
Operator: PEL

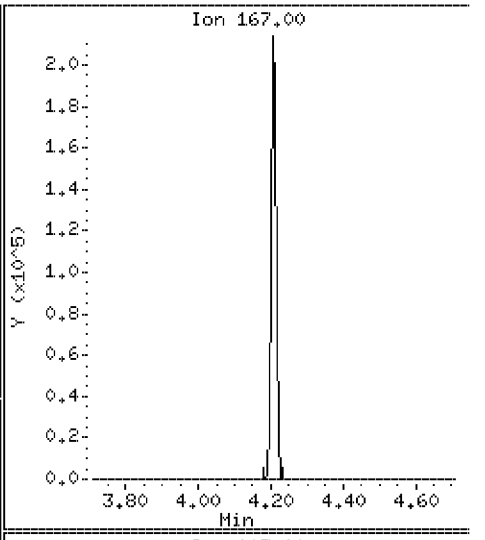
Column phase: HPMS-5

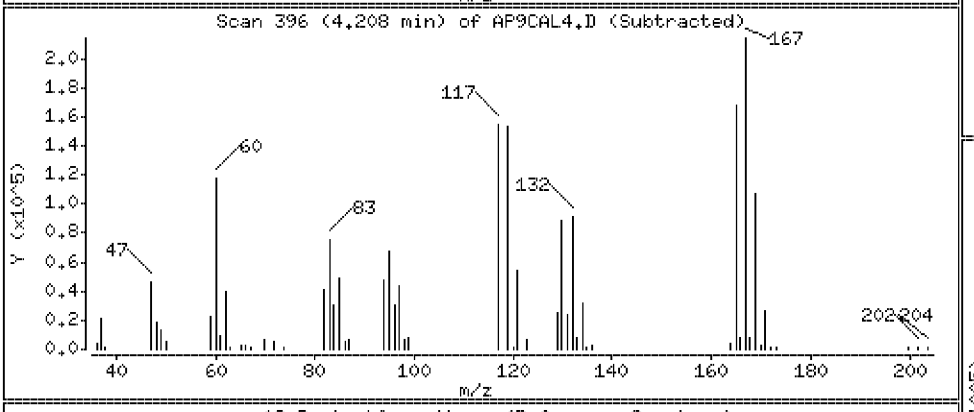
Column diameter: 0.25

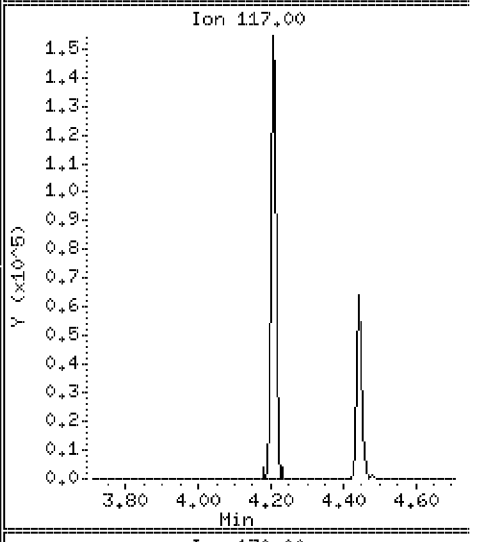
12 Pentachloroethane

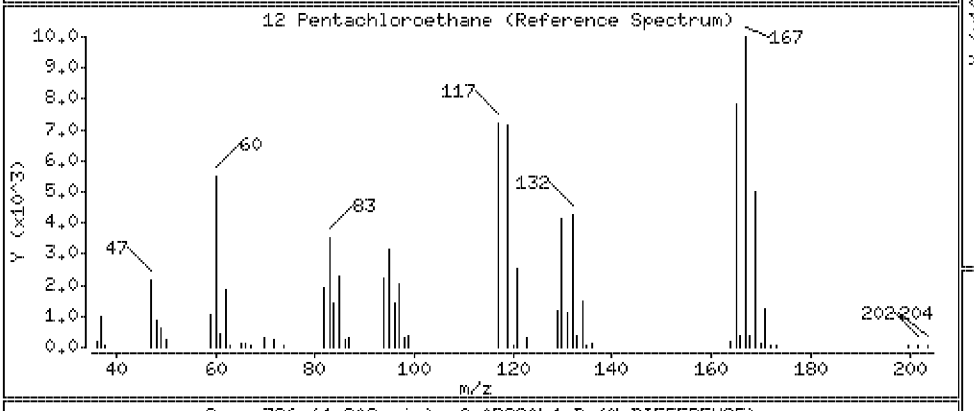
Concentration: 46.0 ug/l

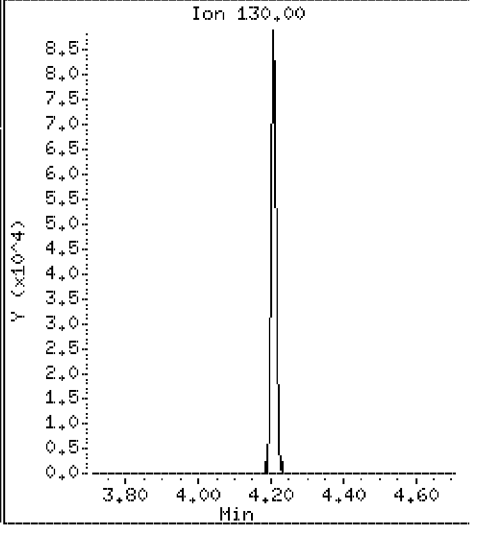


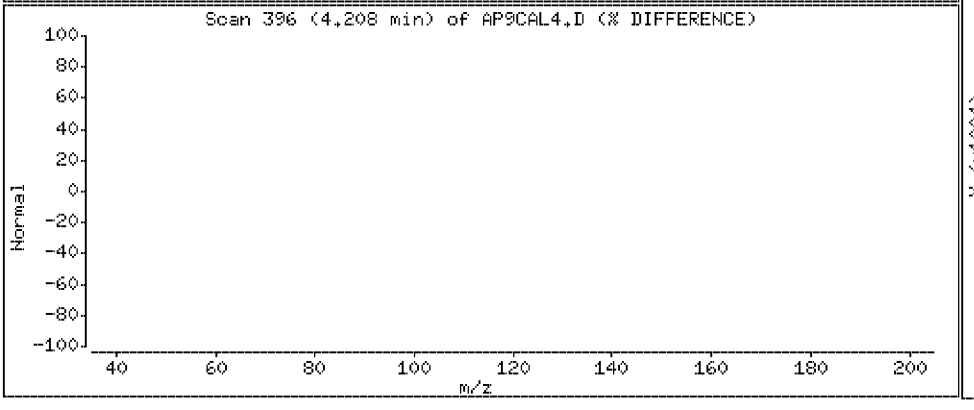












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

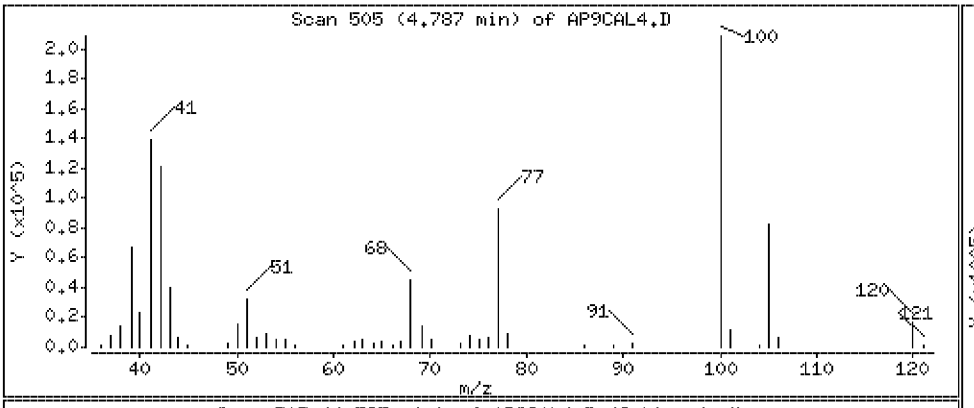
Operator: PEL

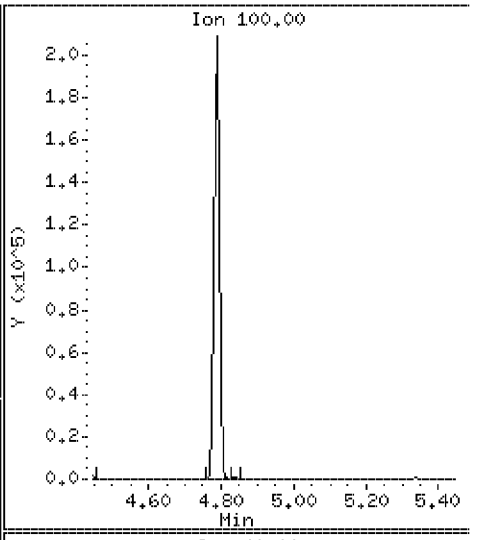
Column phase: HPMS-5

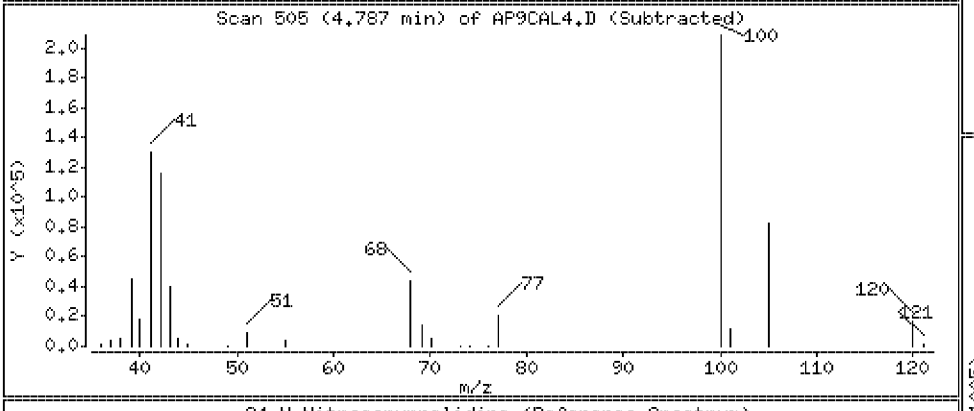
Column diameter: 0.25

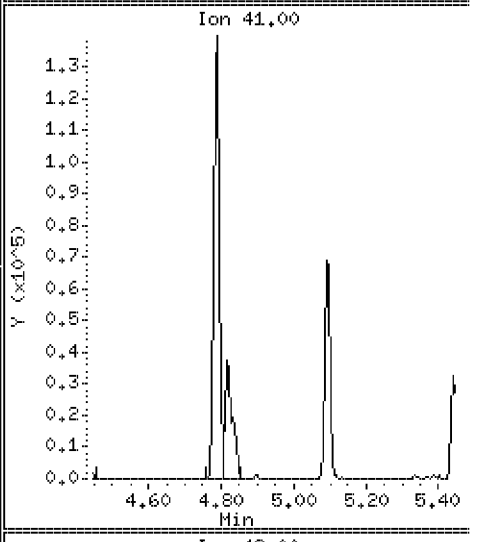
24 N-Nitrosopyrrolidine

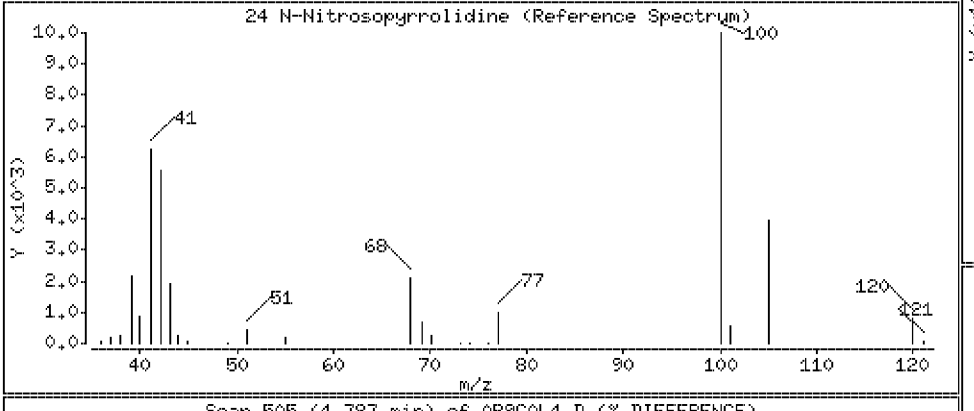
Concentration: 46.6 ug/l

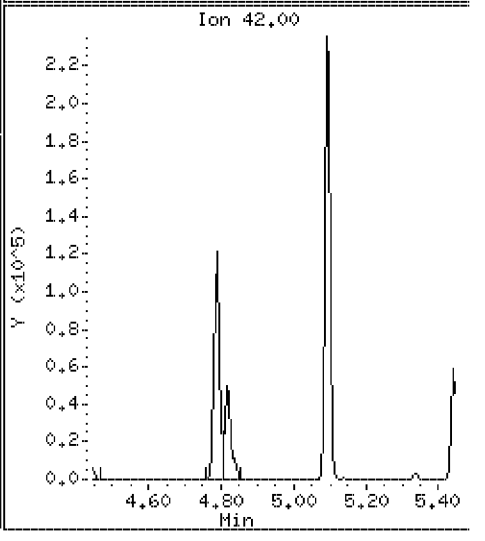


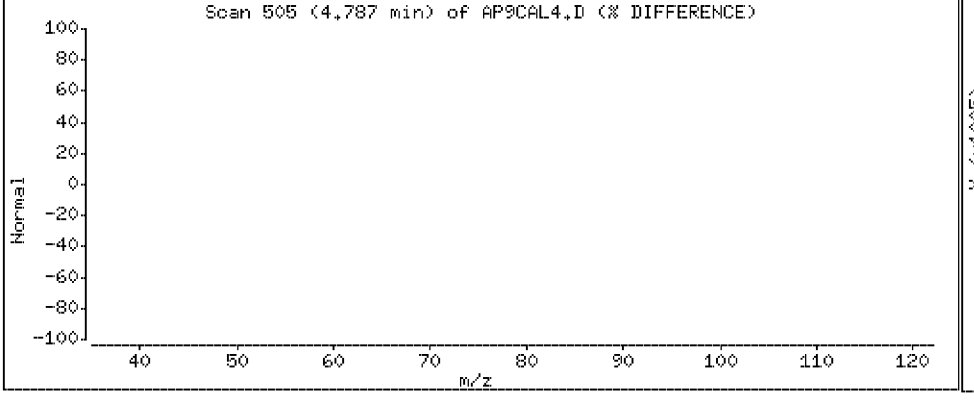












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

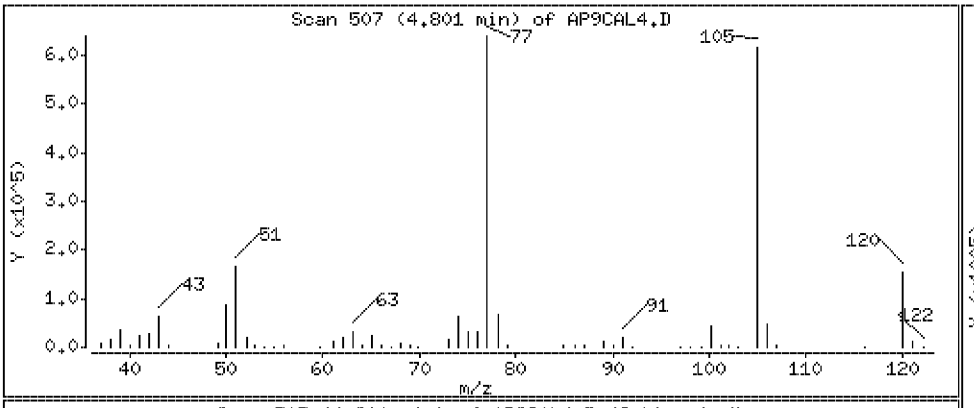
Operator: PEL

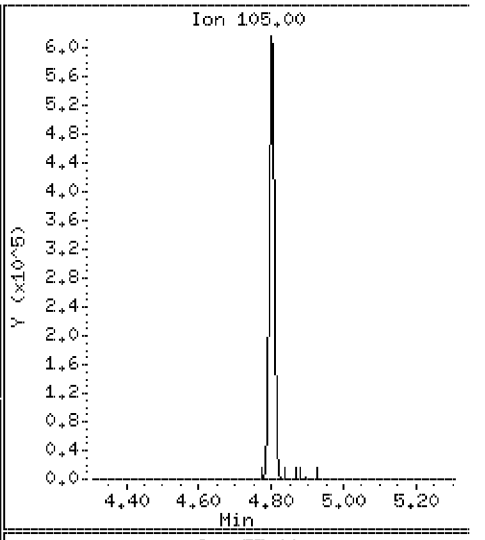
Column phase: HPMS-5

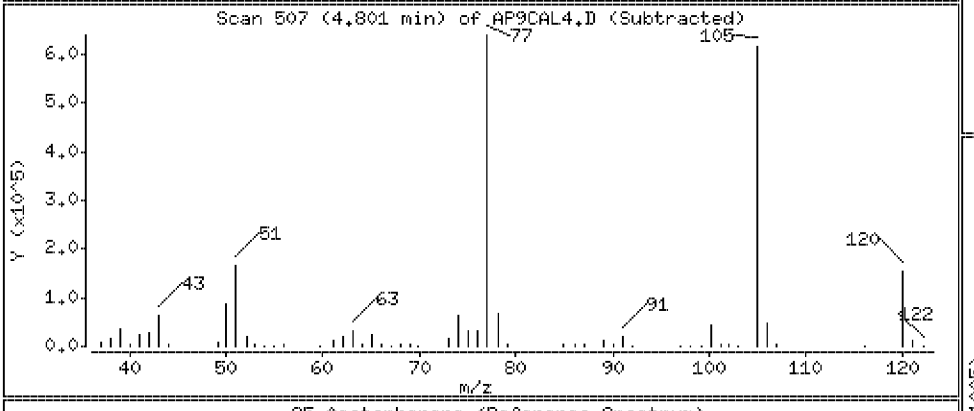
Column diameter: 0.25

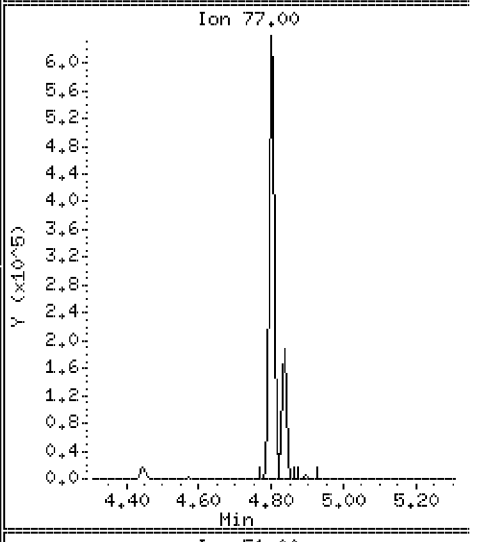
25 Acetophenone

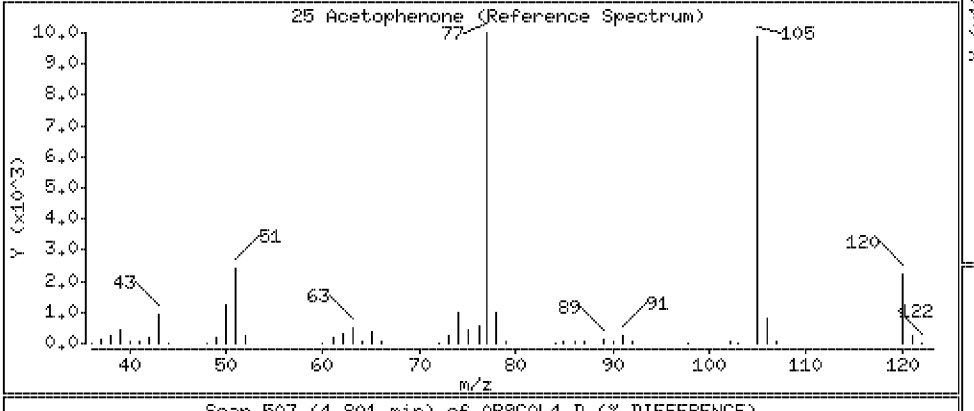
Concentration: 44.8 ug/l

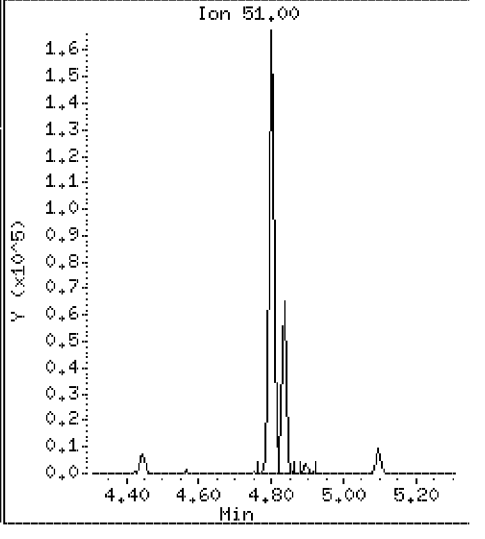


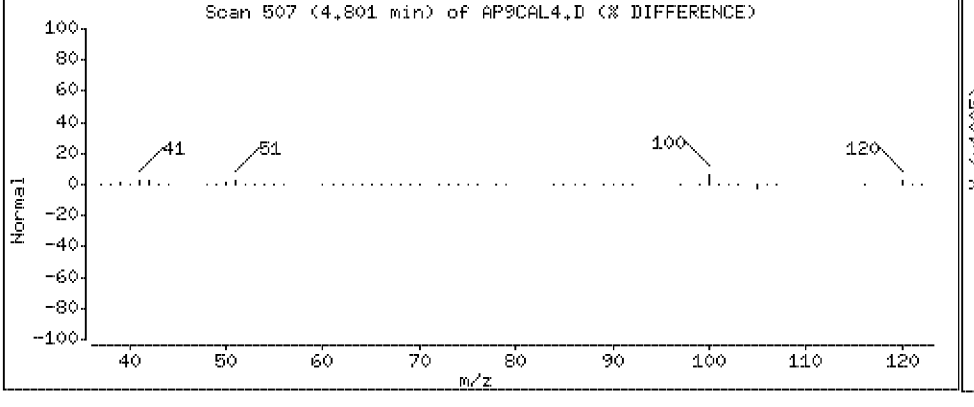












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

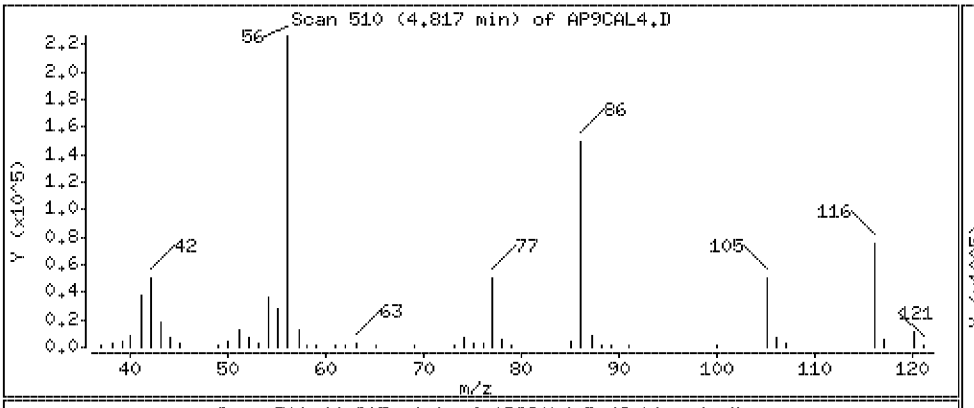
Operator: PEL

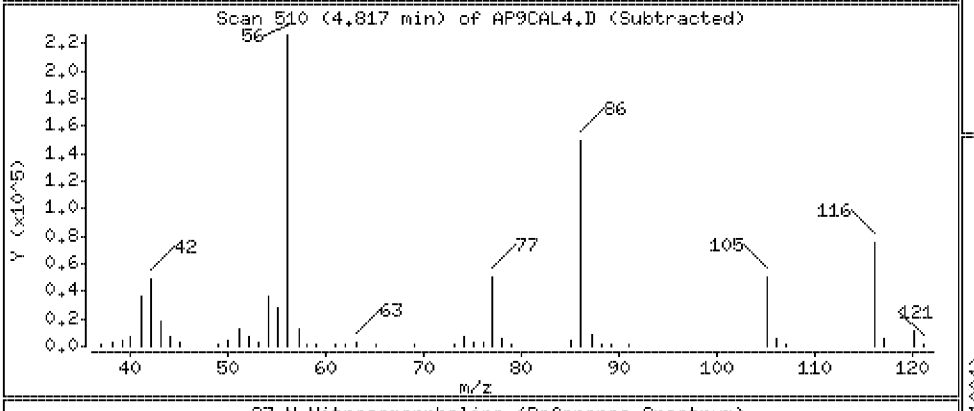
Column phase: HPMS-5

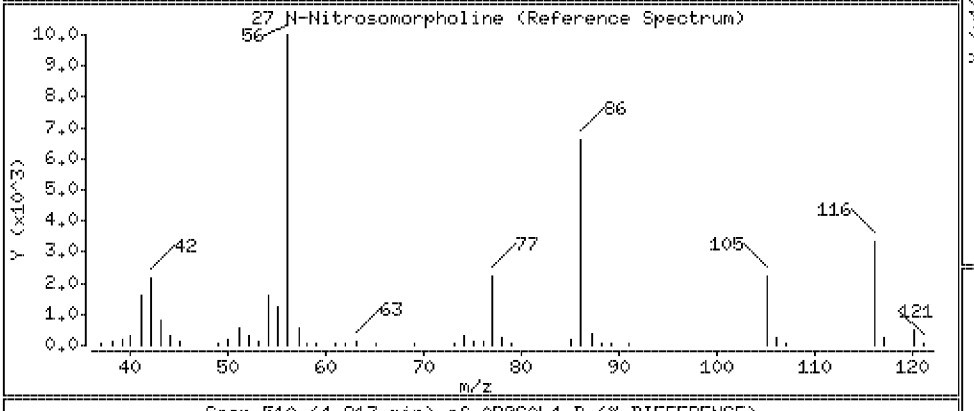
Column diameter: 0.25

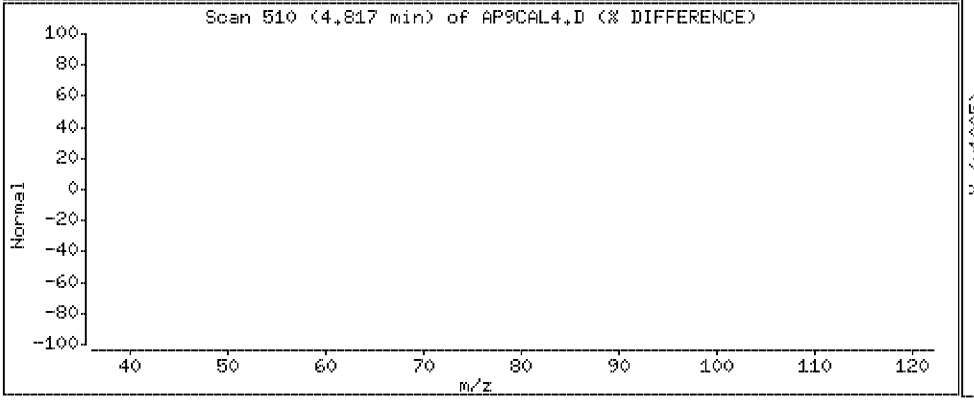
27 N-Nitrosomorpholine

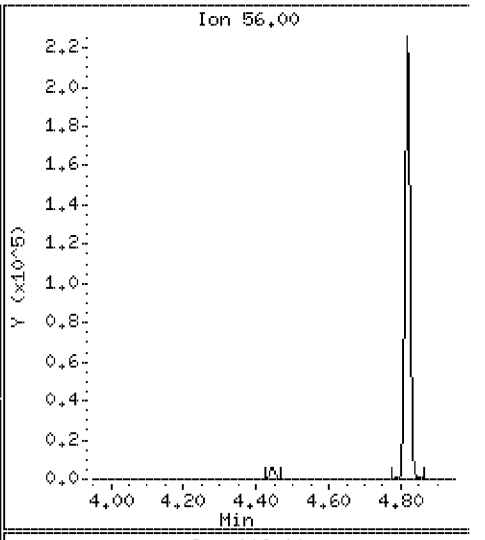
Concentration: 46.2 ug/l

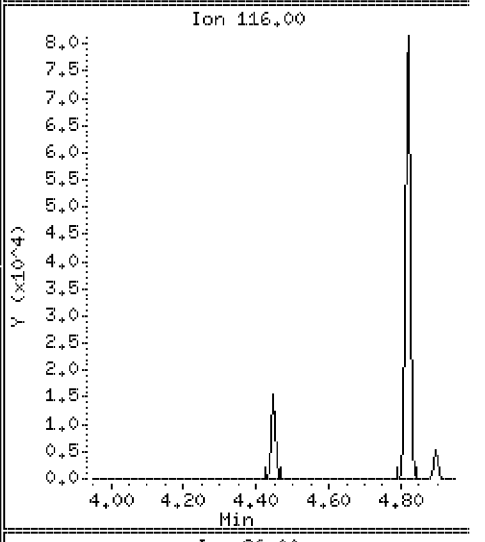


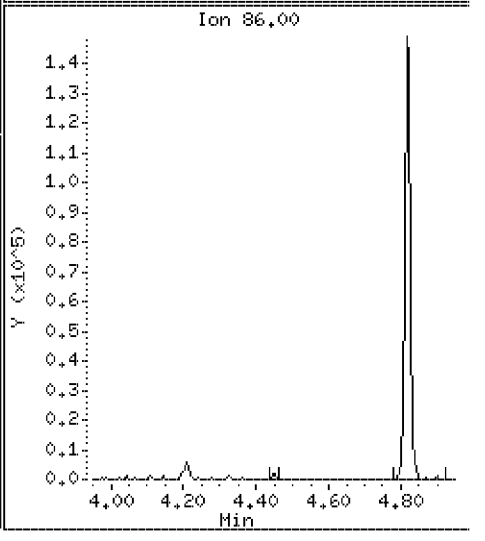












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

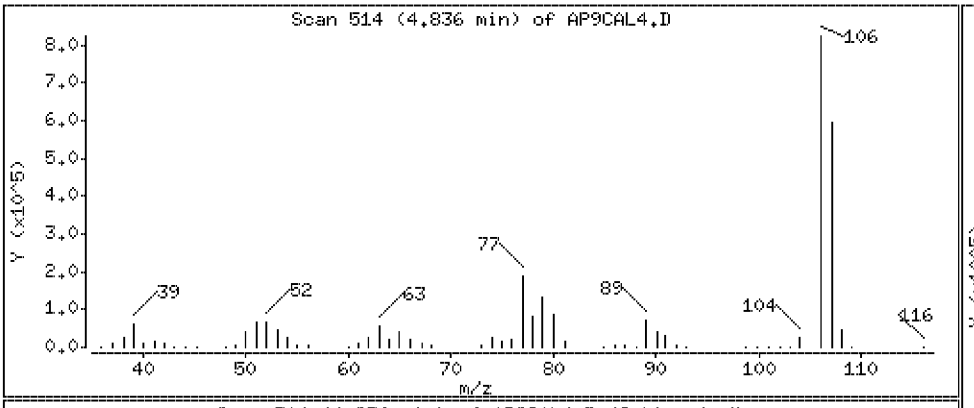
Operator: PEL

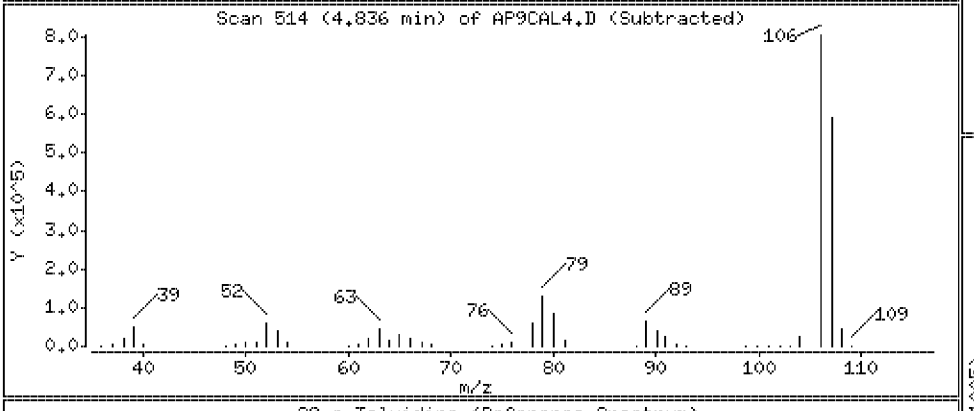
Column phase: HPMS-5

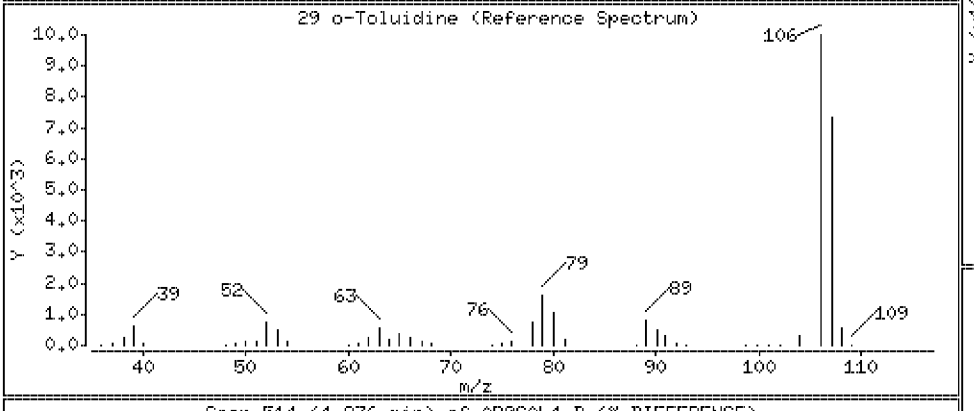
Column diameter: 0.25

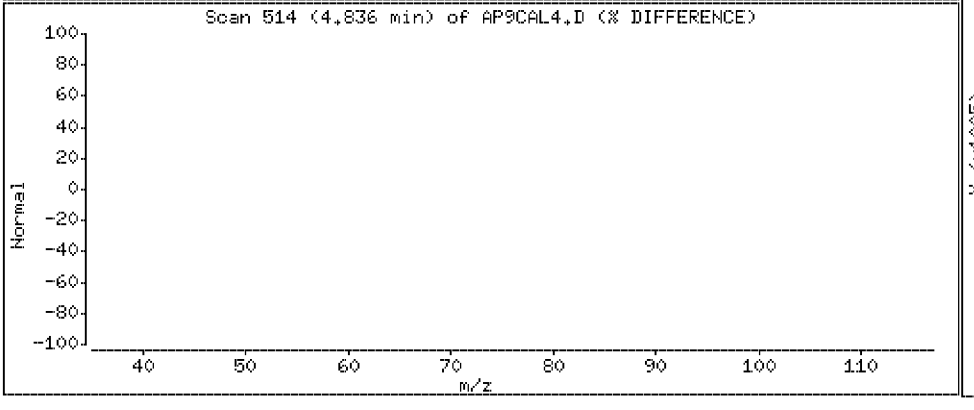
29 o-Toluidine

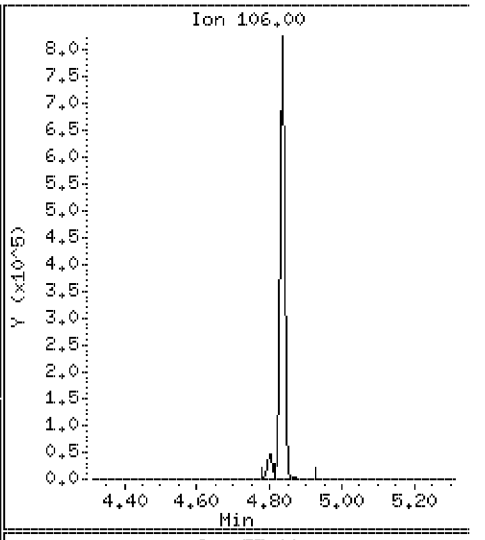
Concentration: 46.7 ug/l

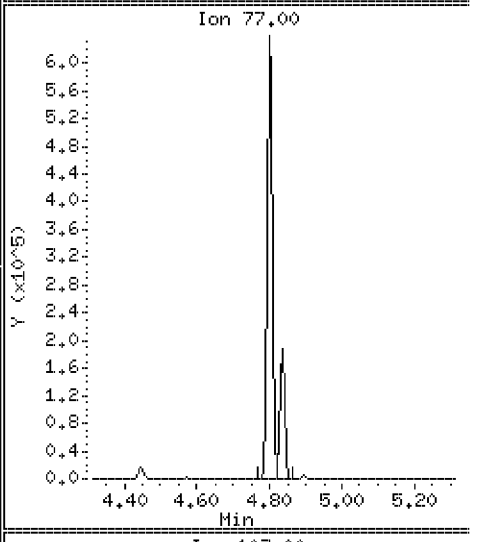


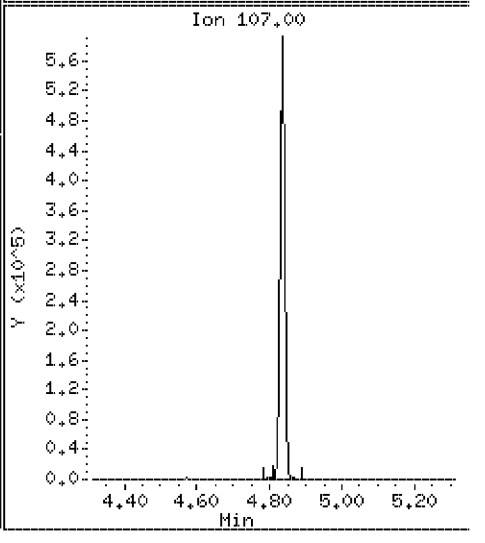












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

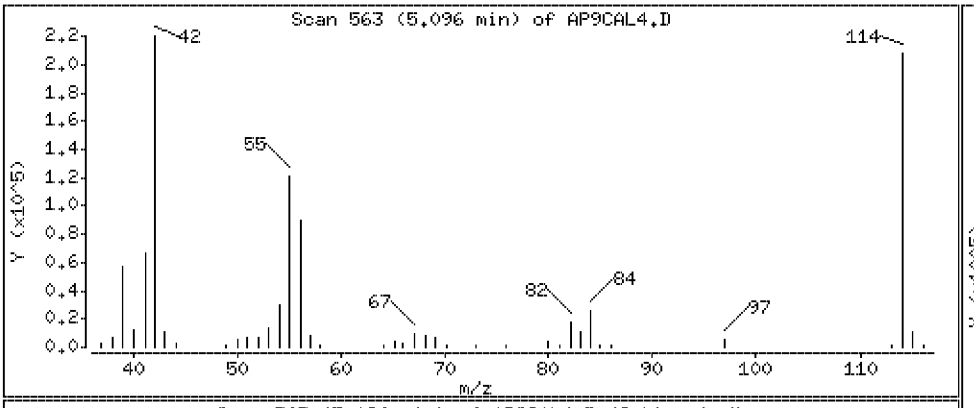
Operator: PEL

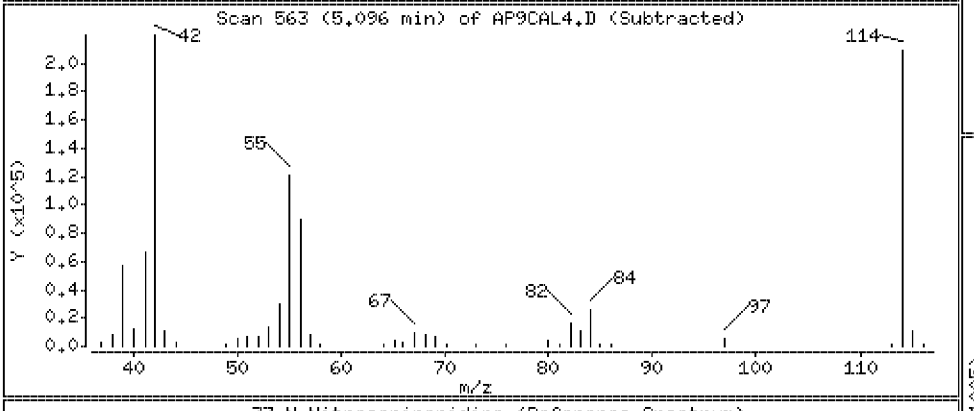
Column phase: HPMS-5

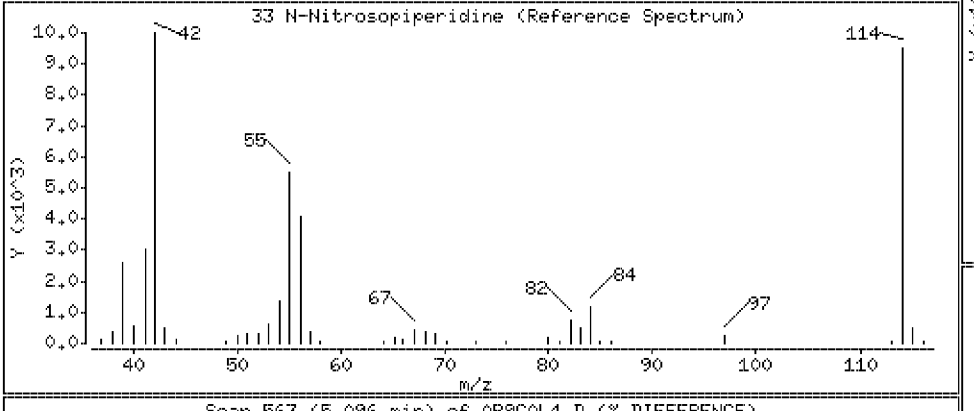
Column diameter: 0.25

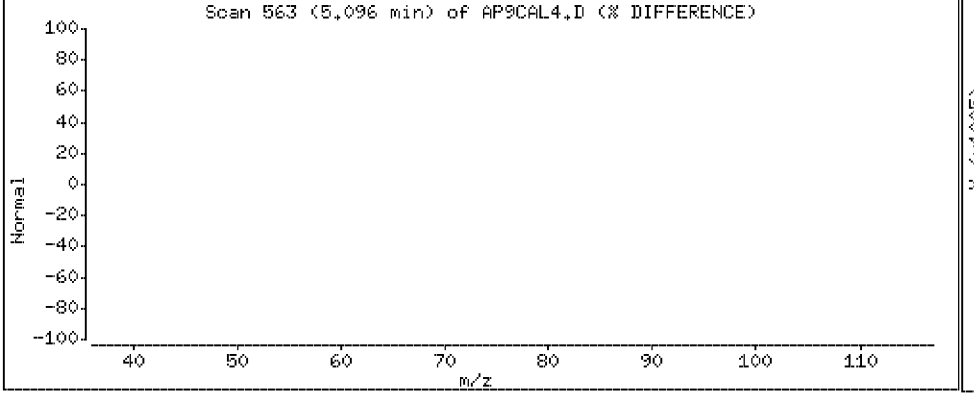
33 N-Nitrosopiperidine

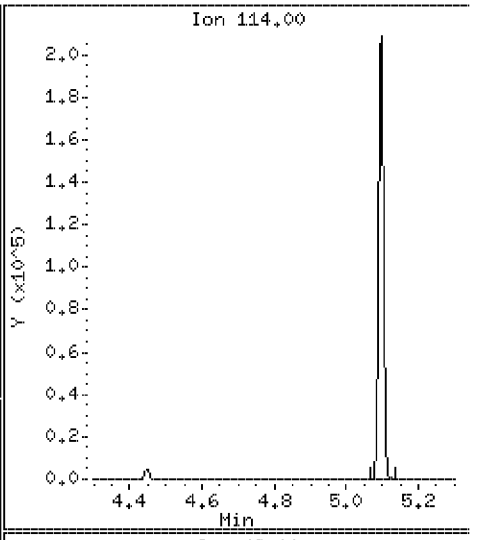
Concentration: 47.3 ug/l

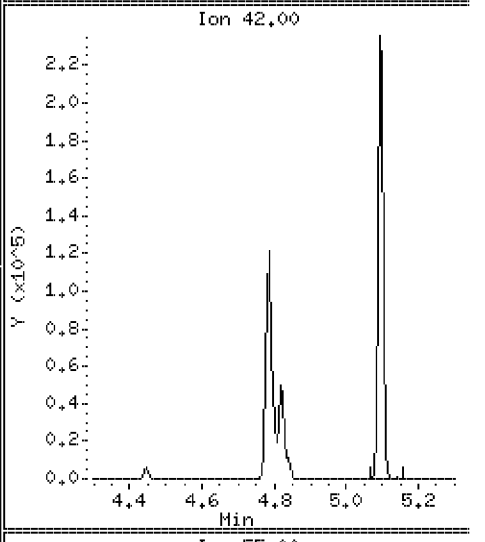


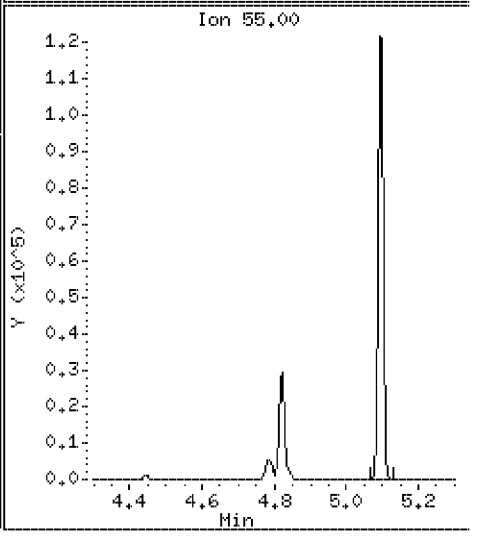












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

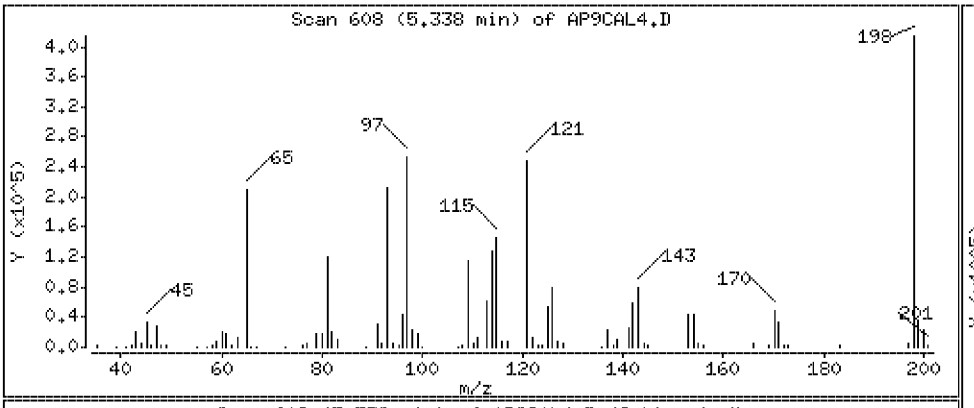
Operator: PEL

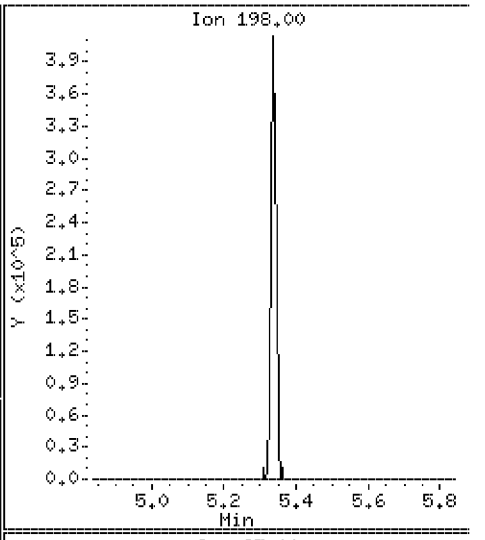
Column phase: HPMS-5

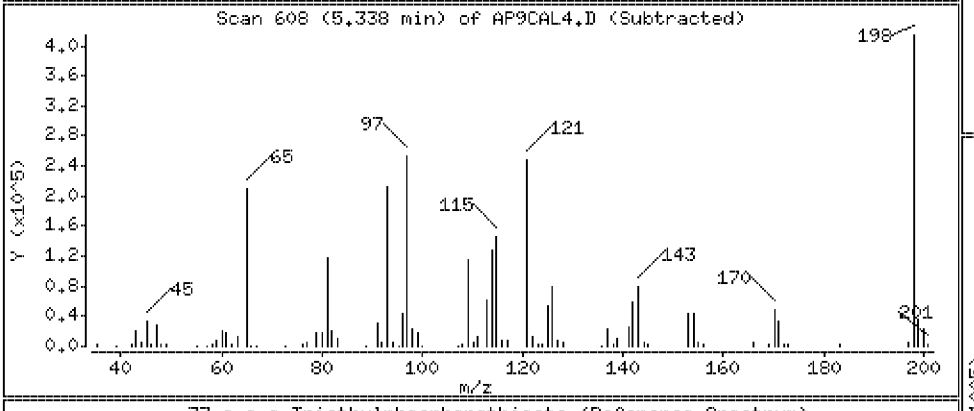
Column diameter: 0.25

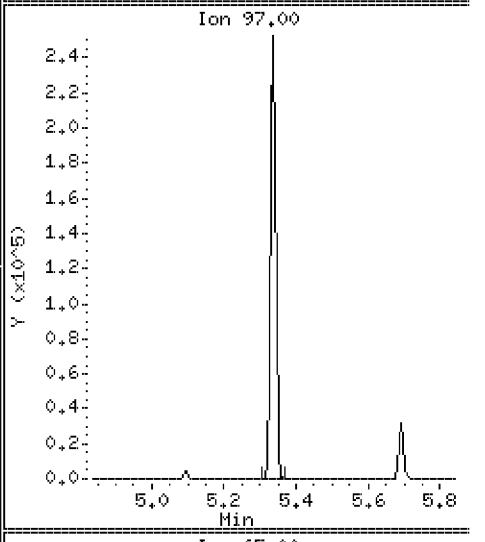
37 o,o,o-Triethylphosphorothioate

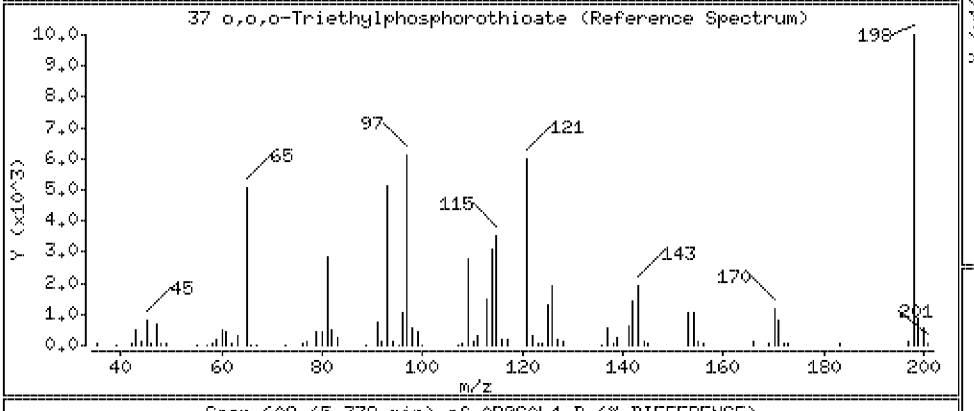
Concentration: 45.1 ug/l

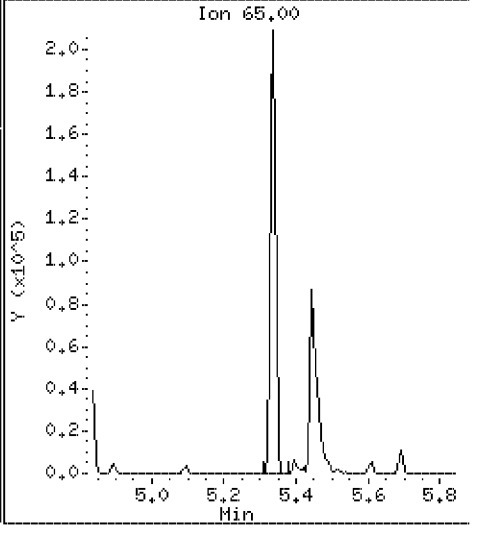


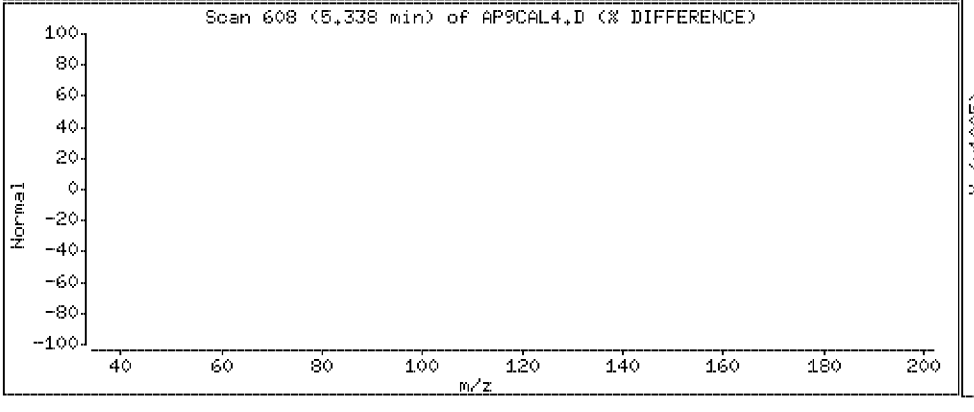












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

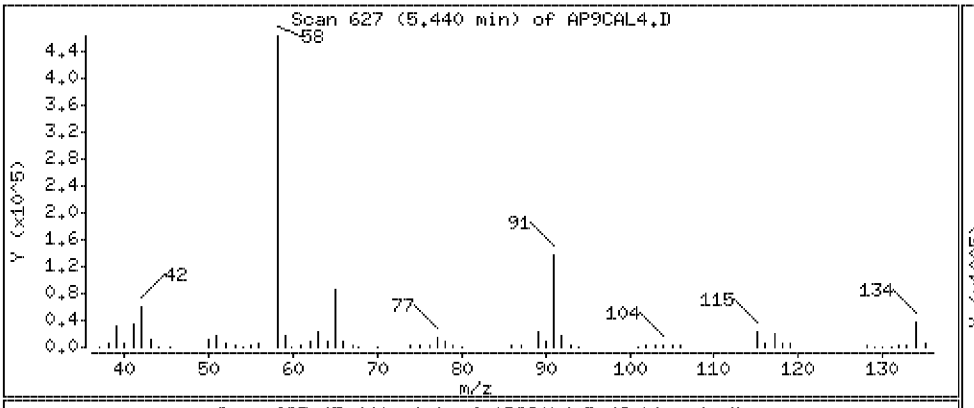
Operator: PEL

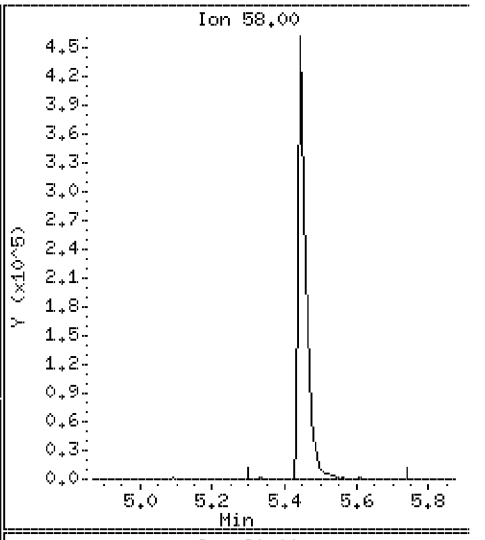
Column phase: HPMS-5

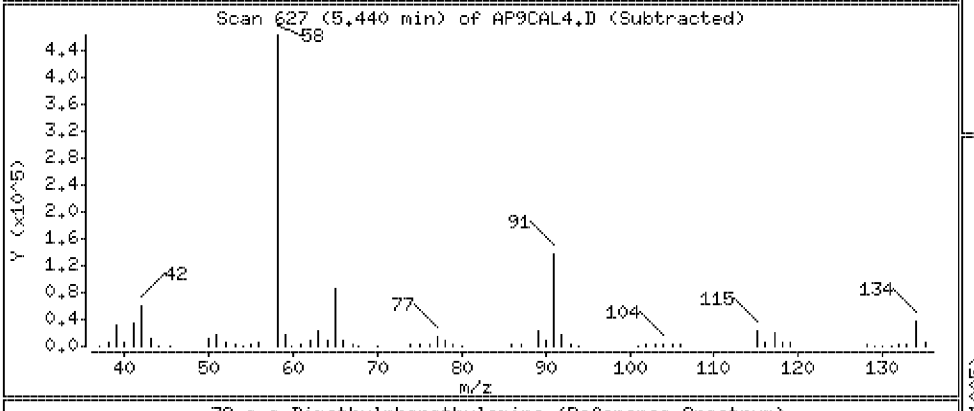
Column diameter: 0.25

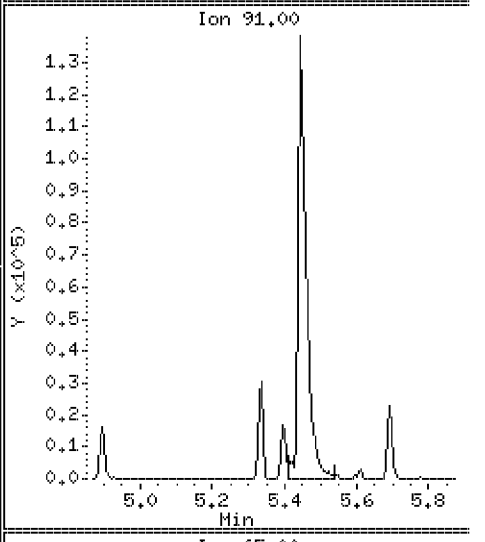
39 a,a-Dimethylphenethylamine

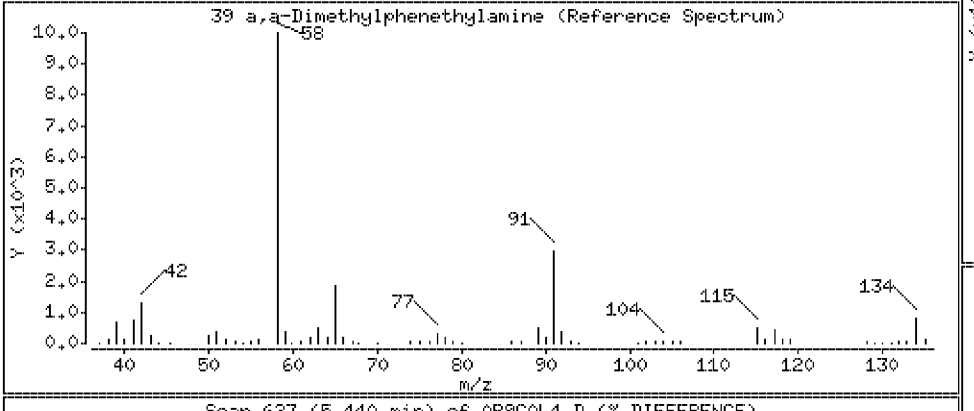
Concentration: 47.3 ug/l

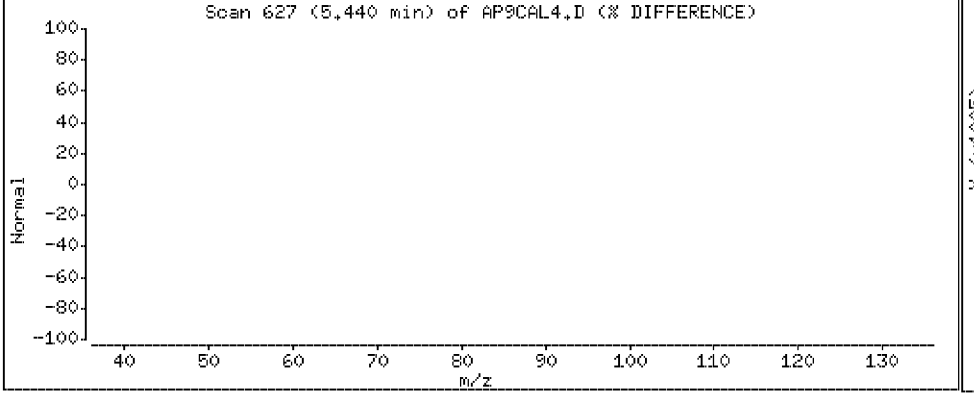


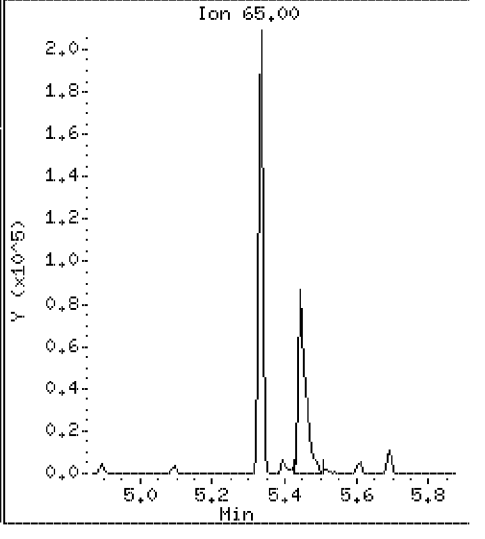












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

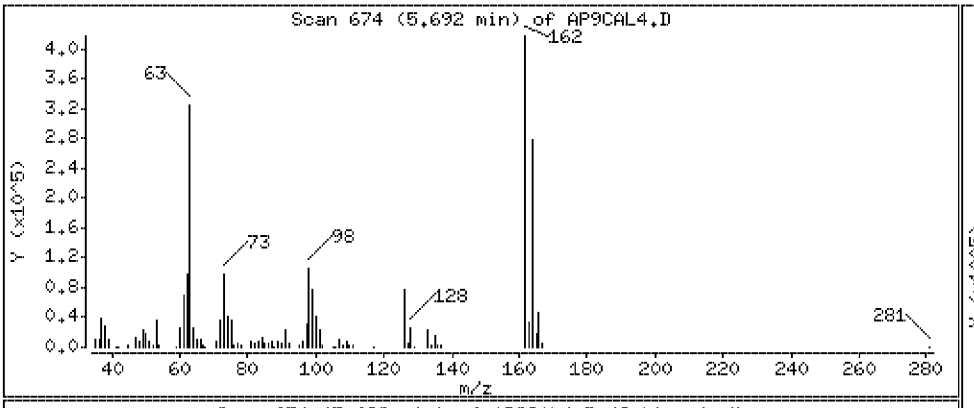
Operator: PEL

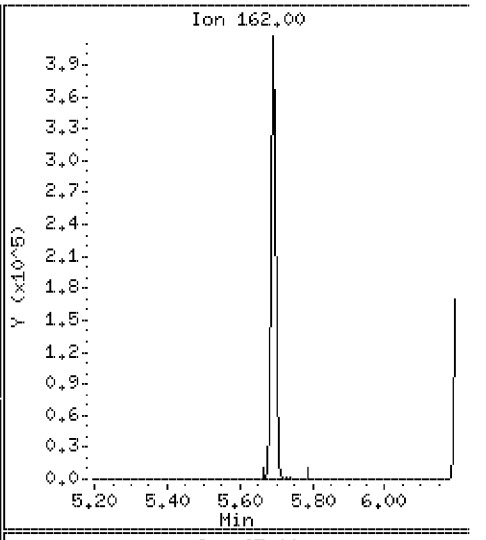
Column phase: HPMS-5

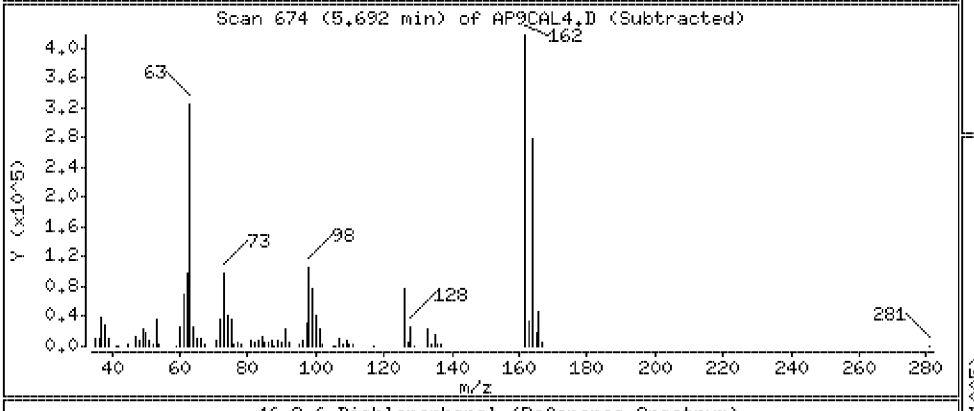
Column diameter: 0.25

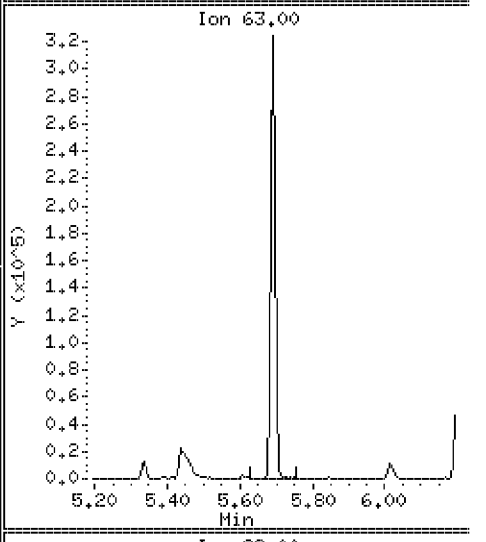
46 2,6-Dichlorophenol

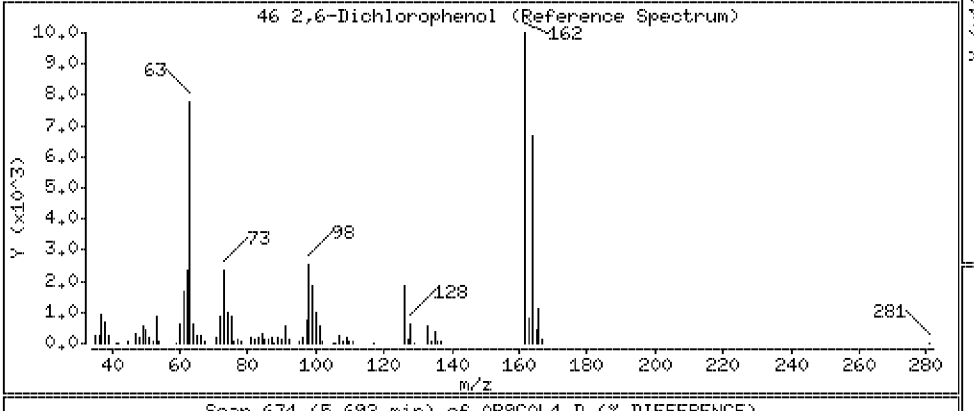
Concentration: 46.1 ug/l

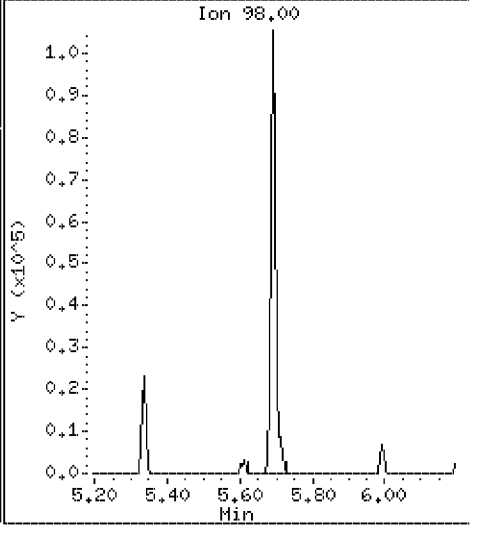


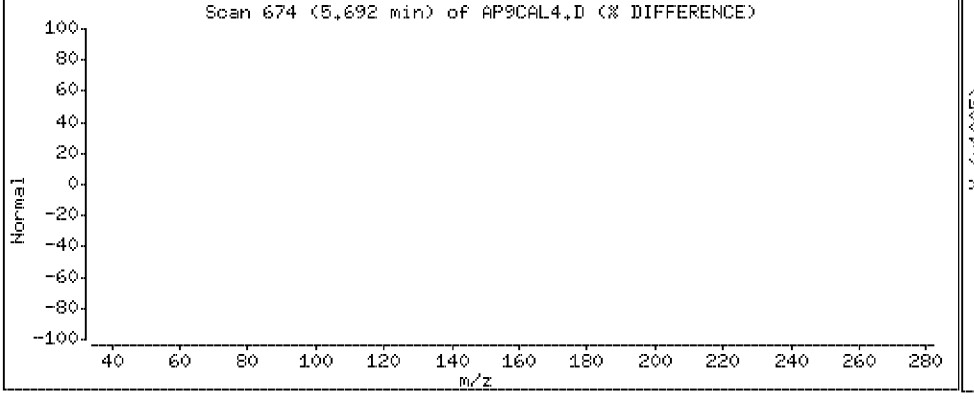












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

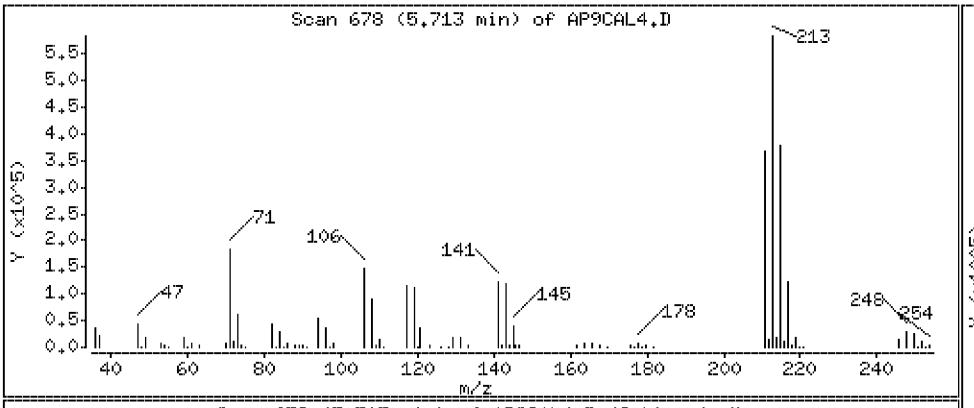
Operator: PEL

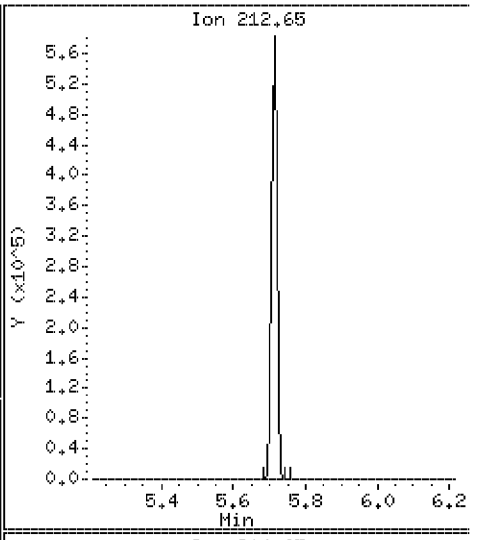
Column phase: HPMS-5

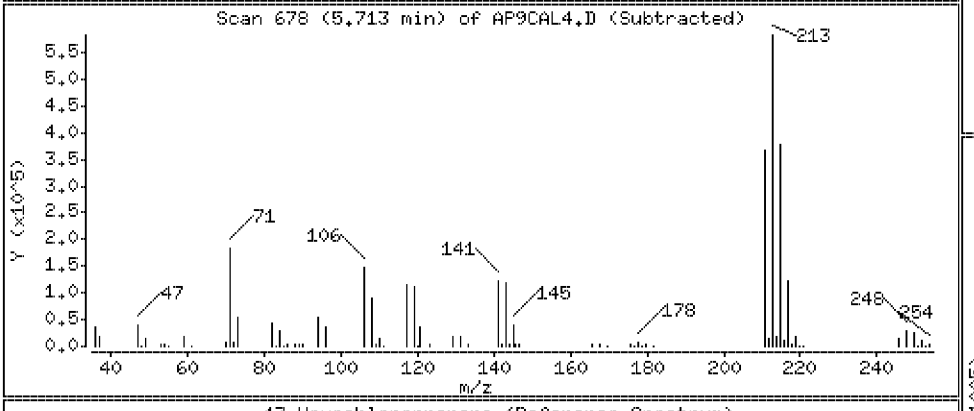
Column diameter: 0.25

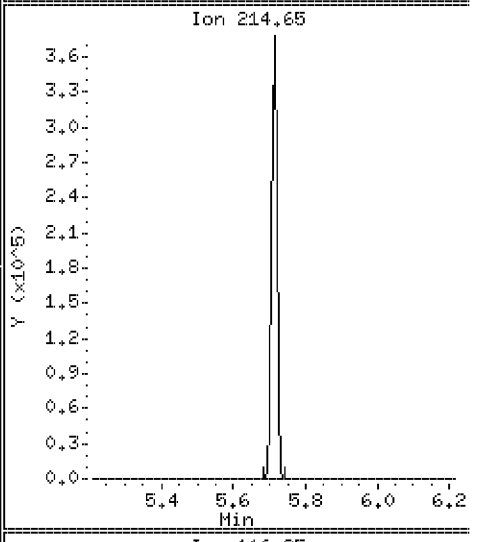
47 Hexachloropropene

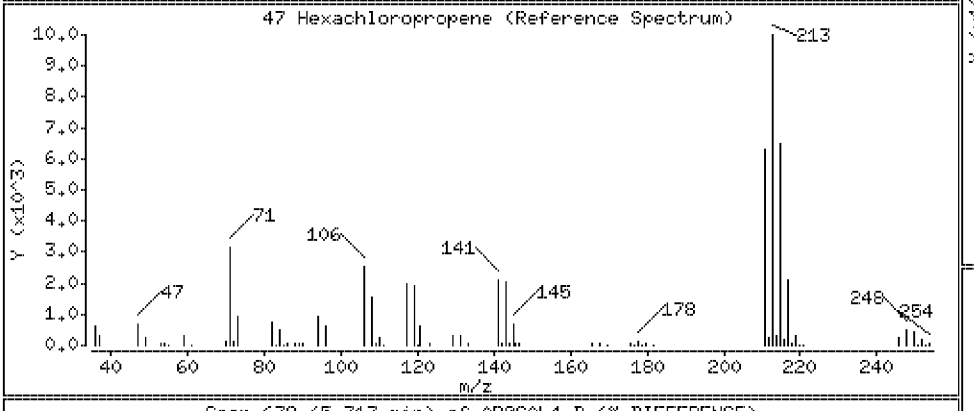
Concentration: 45.3 ug/l

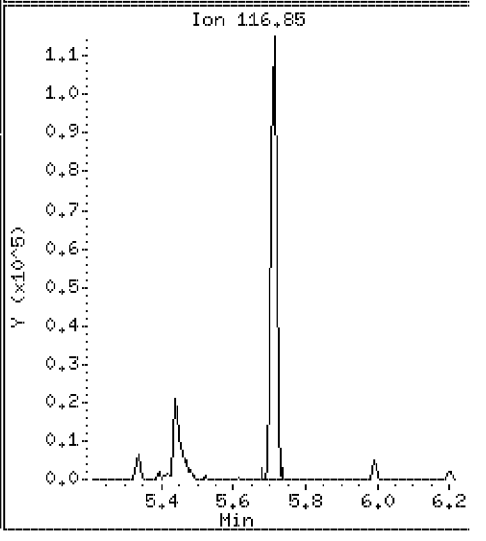


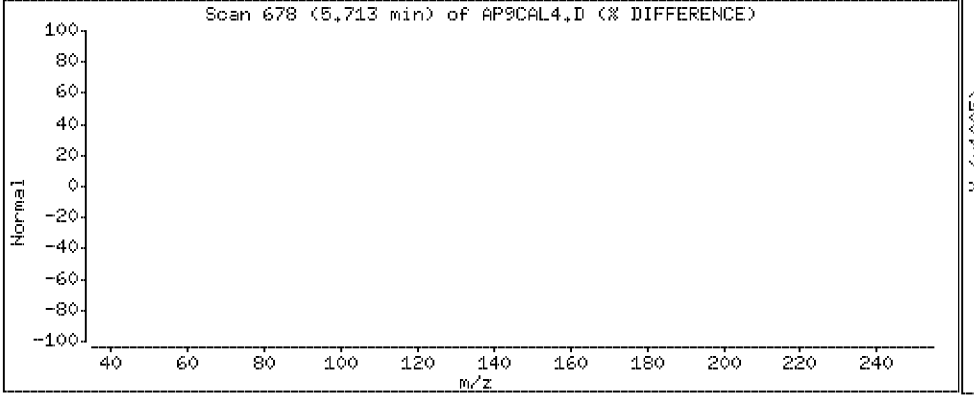












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

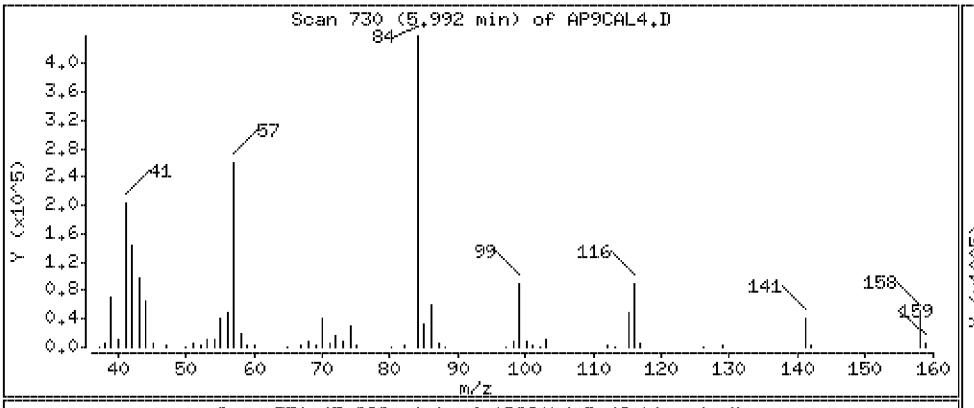
Operator: PEL

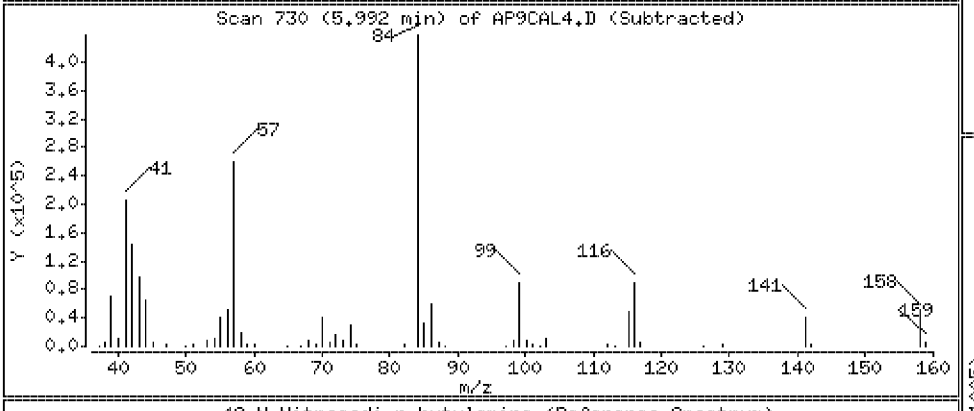
Column phase: HPMS-5

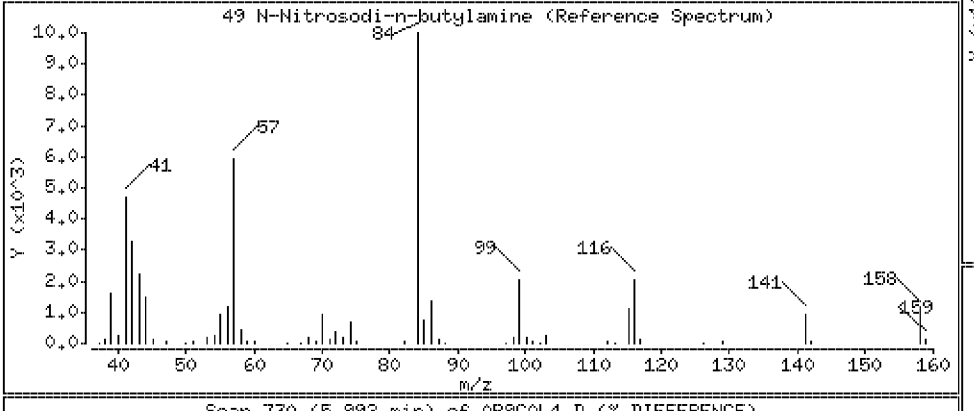
Column diameter: 0.25

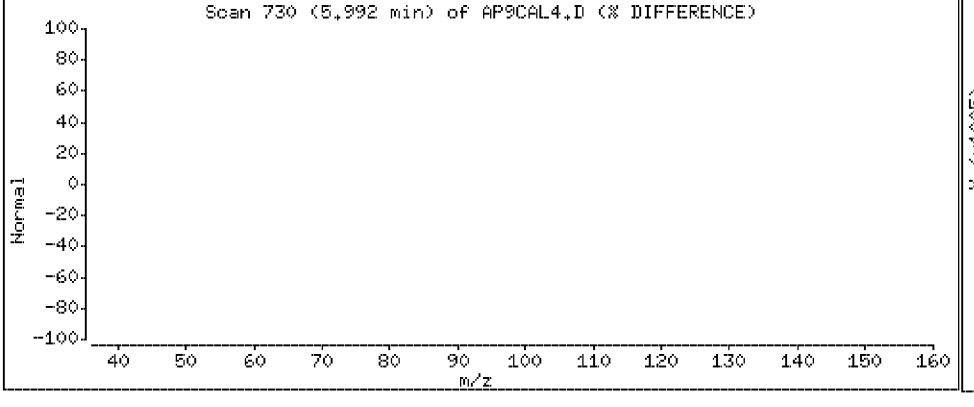
49 N-Nitrosodi-n-butylamine

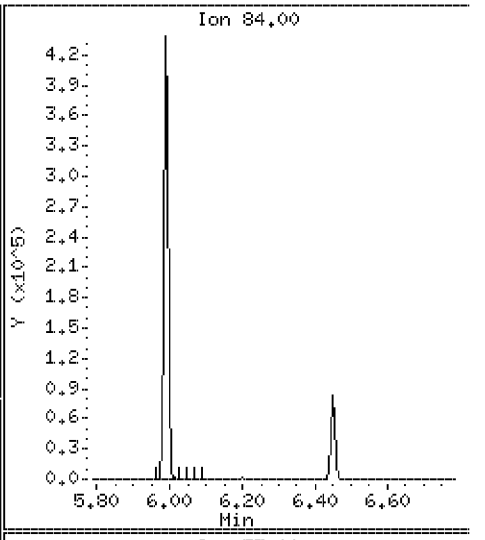
Concentration: 46.1 ug/l

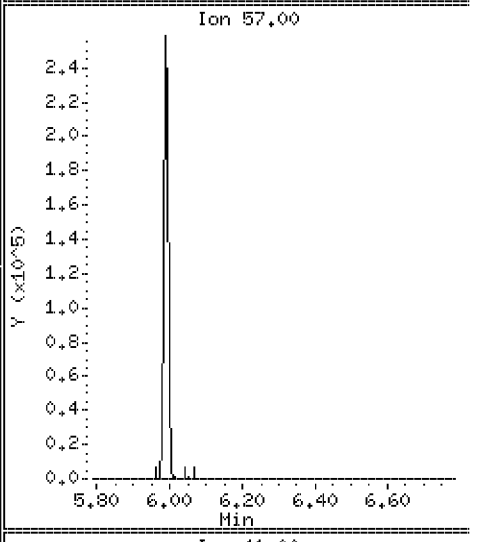


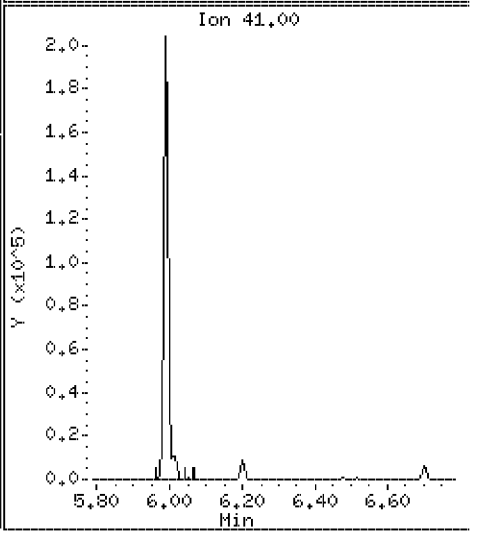












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

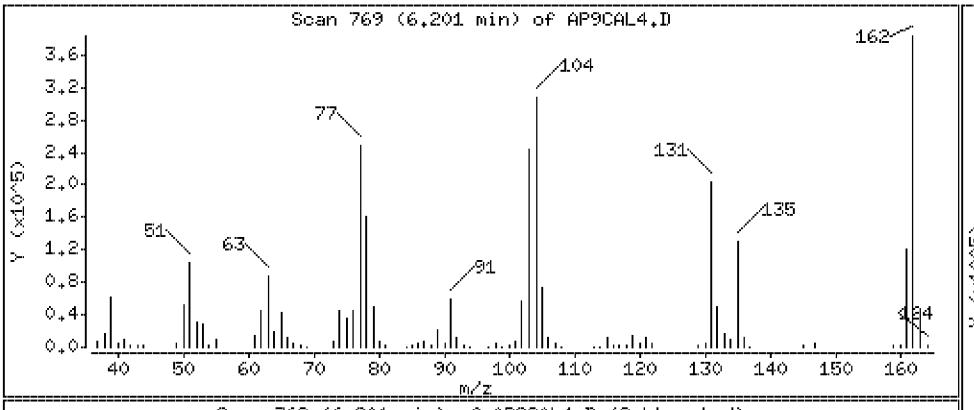
Operator: PEL

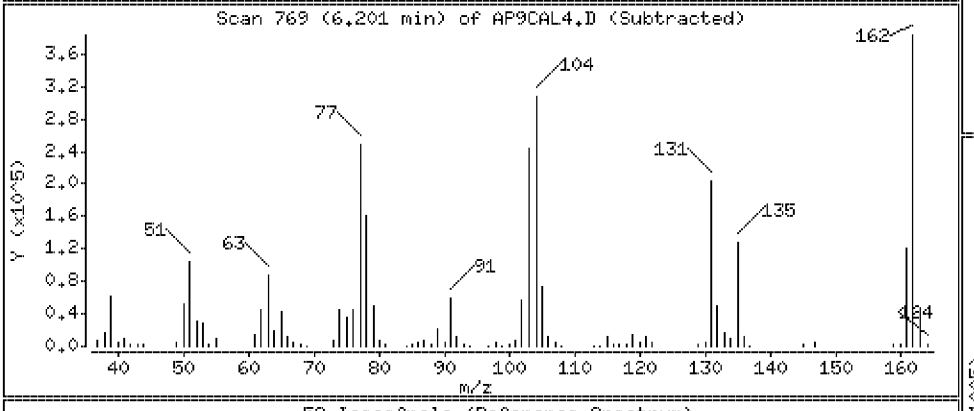
Column phase: HPMS-5

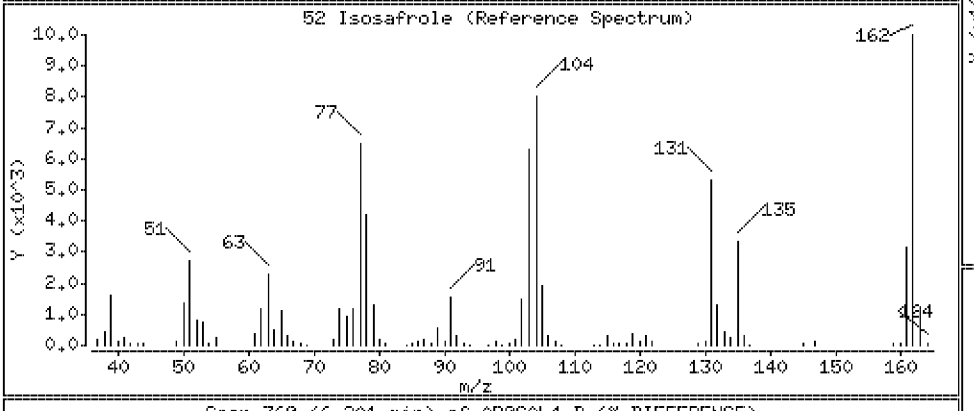
Column diameter: 0.25

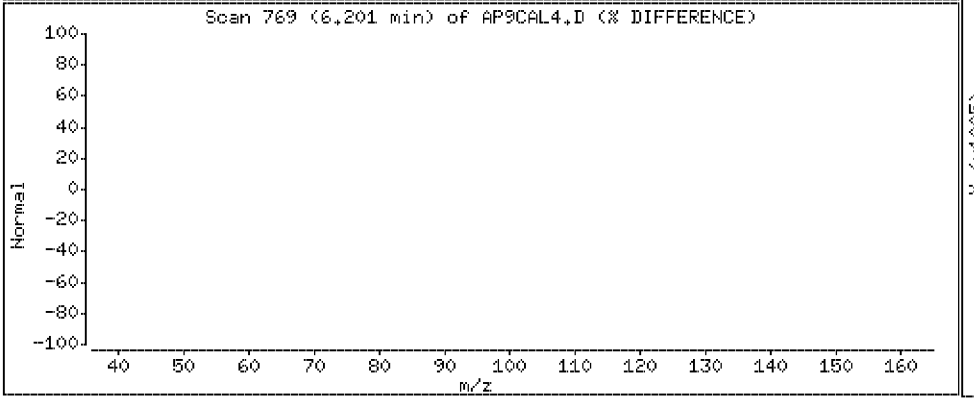
52 Isosafrole

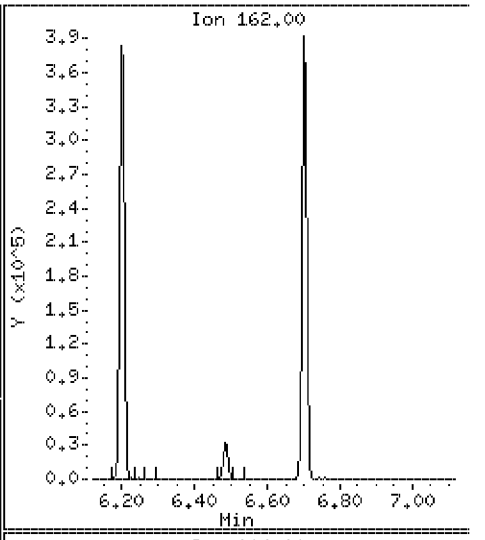
Concentration: 44.9 ug/l

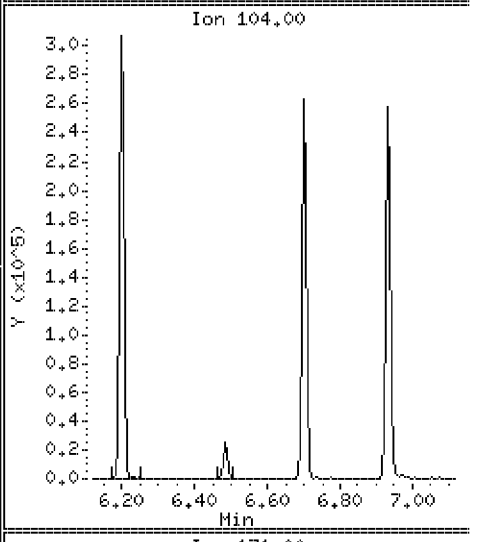


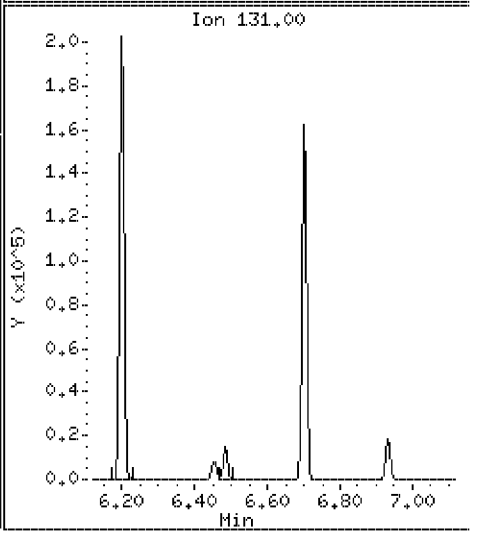












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

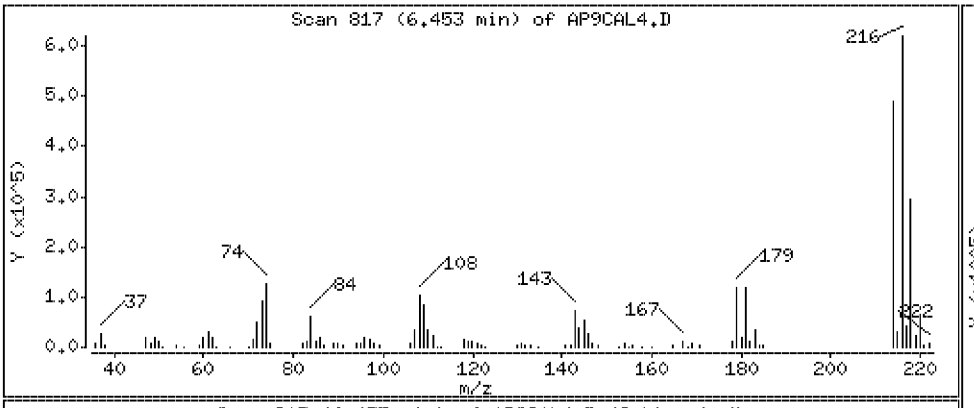
Operator: PEL

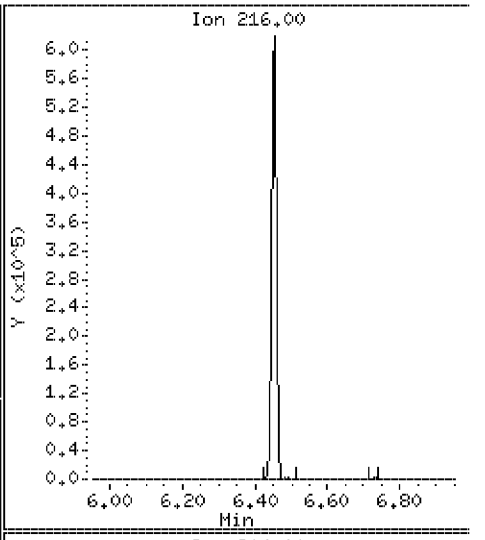
Column phase: HPMS-5

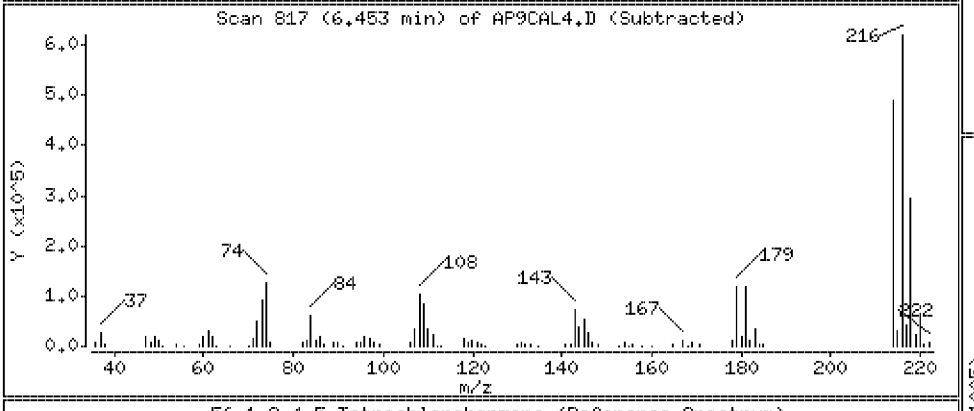
Column diameter: 0.25

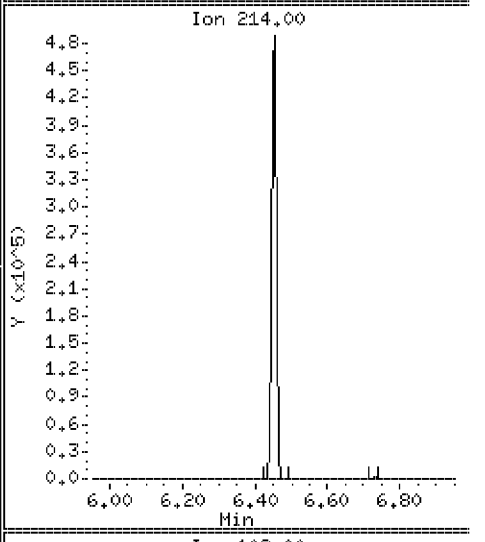
56 1,2,4,5-Tetrachlorobenzene

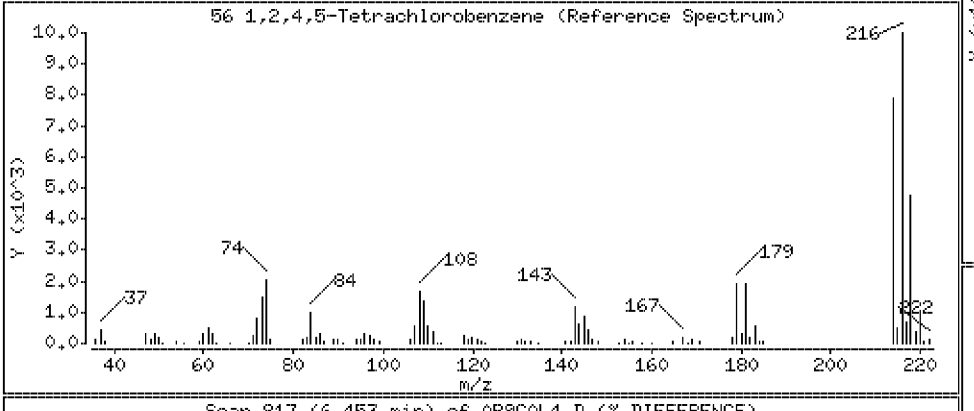
Concentration: 45.8 ug/l

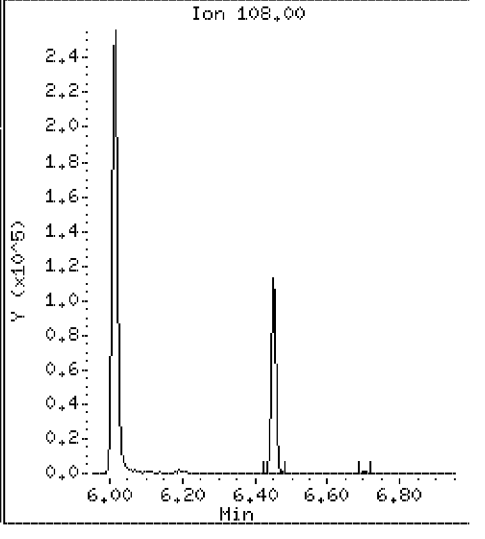


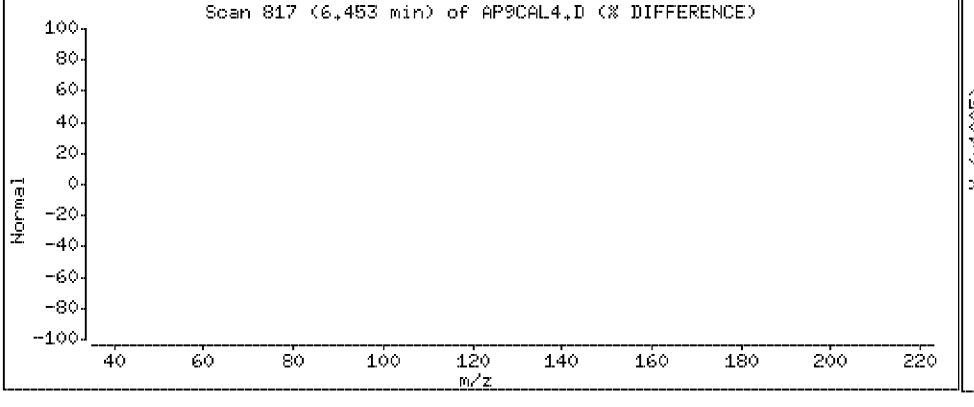












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

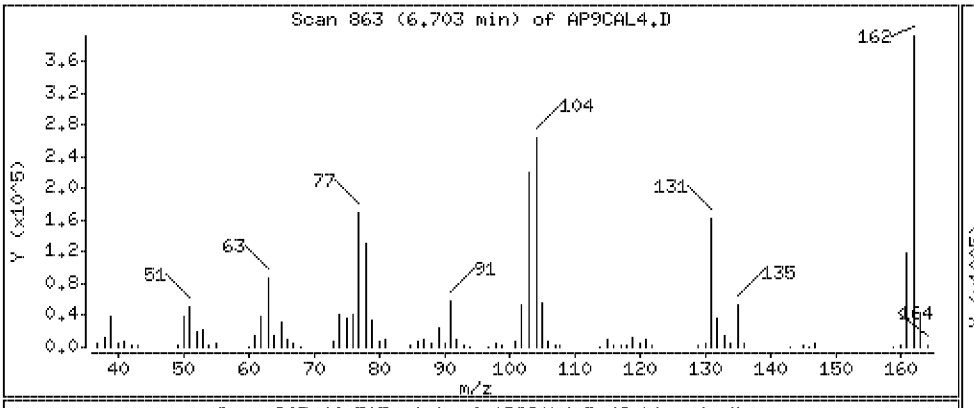
Operator: PEL

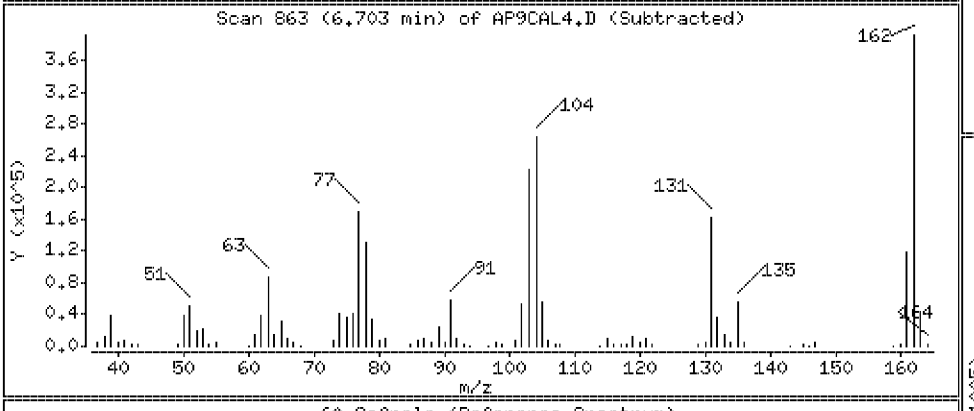
Column phase: HPMS-5

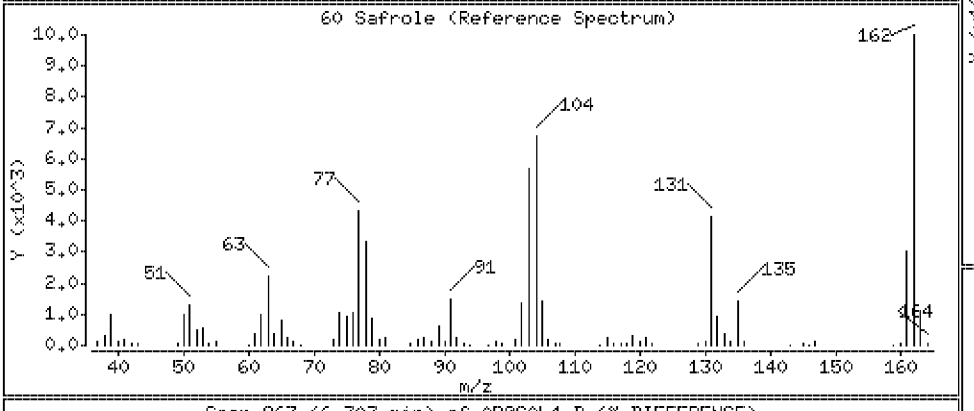
Column diameter: 0.25

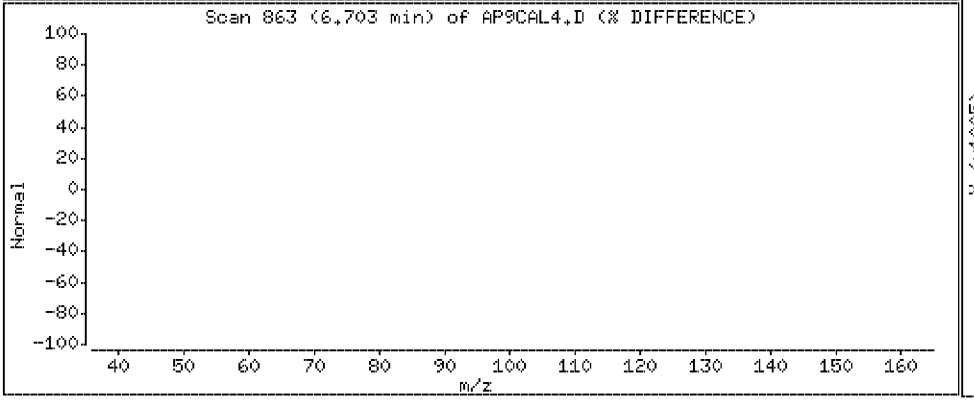
60 Safrole

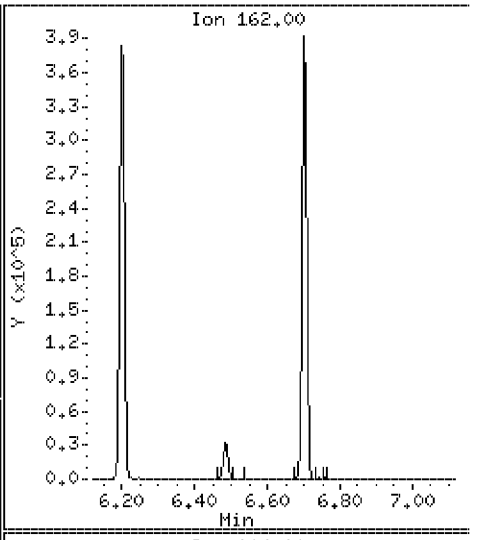
Concentration: 46.8 ug/l

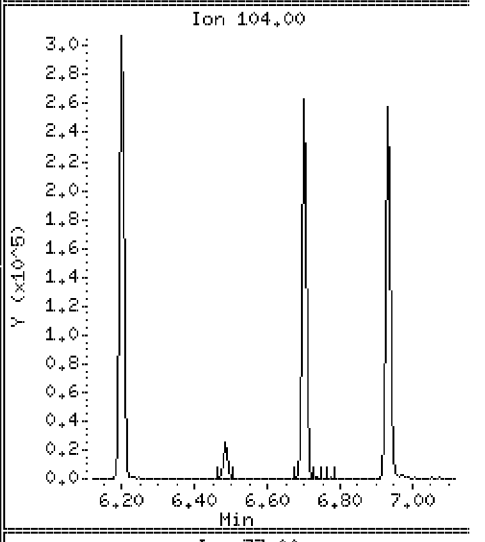


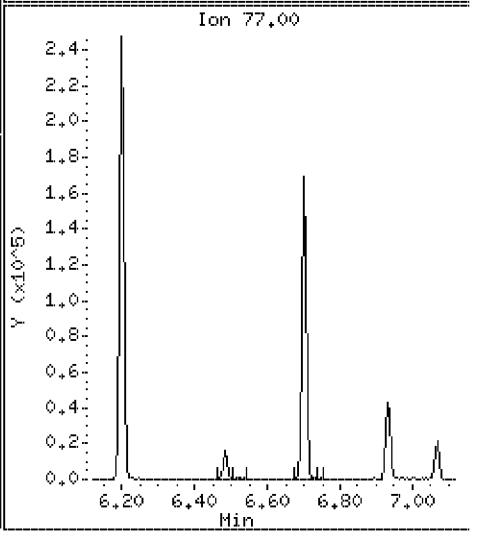












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

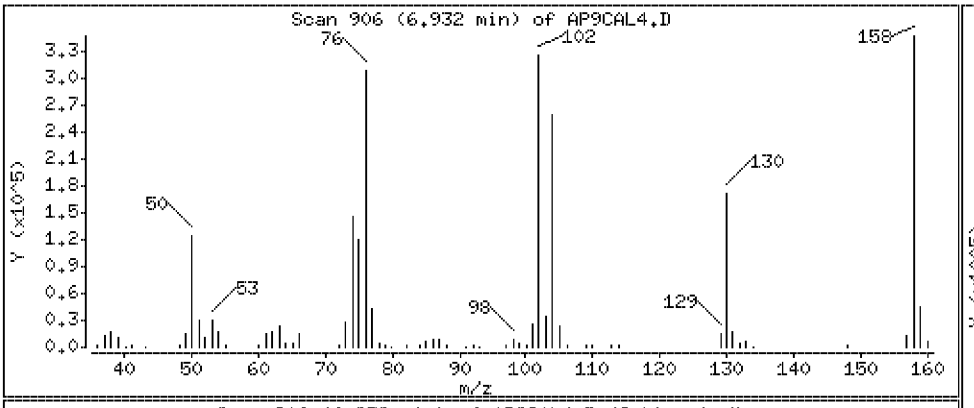
Operator: PEL

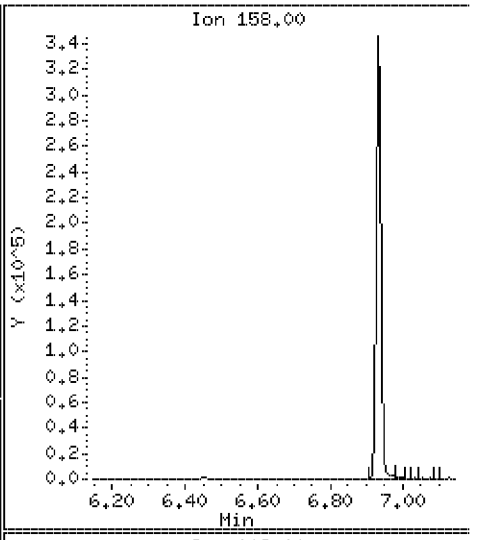
Column phase: HPMS-5

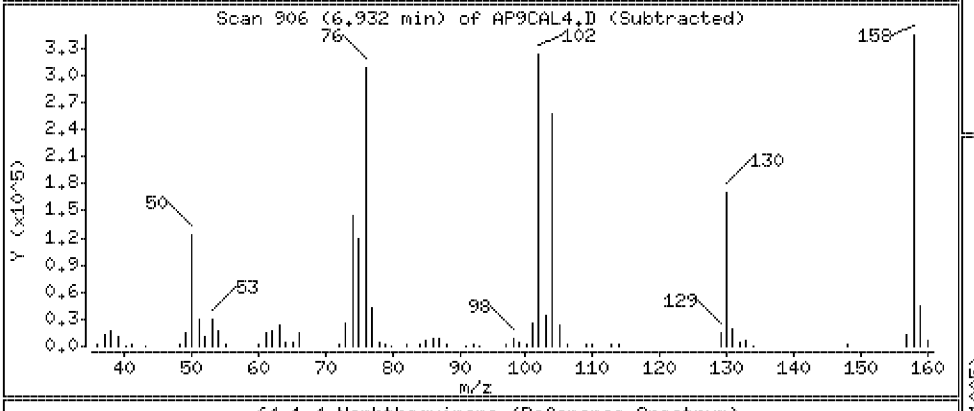
Column diameter: 0.25

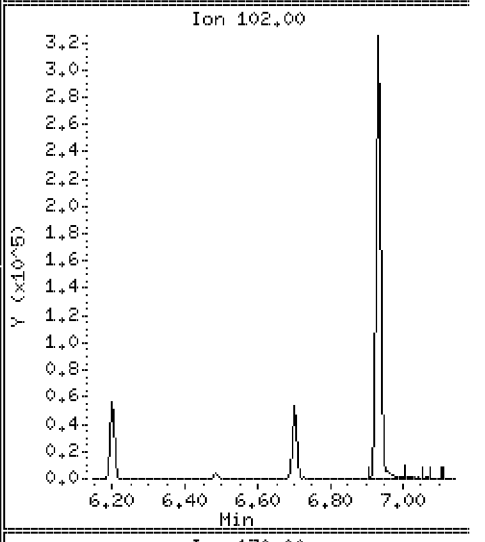
64 1,4-Naphthoquinone

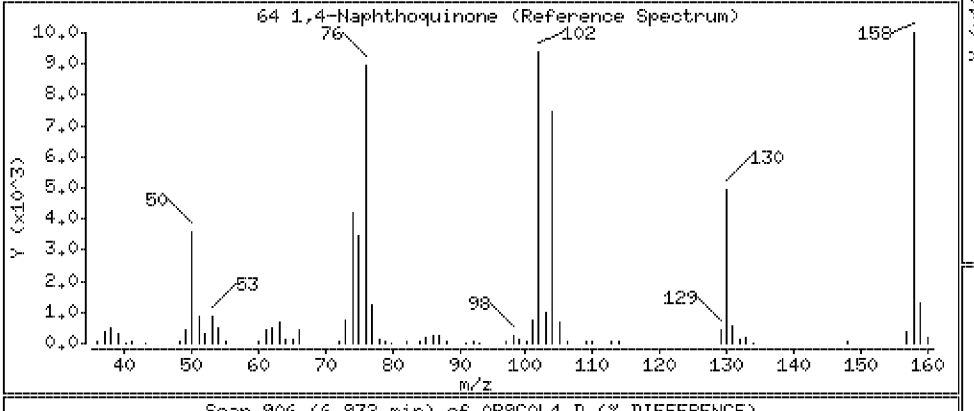
Concentration: 46.3 ug/l

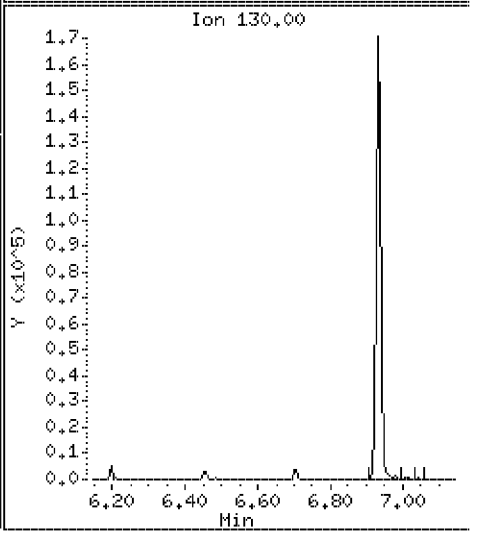


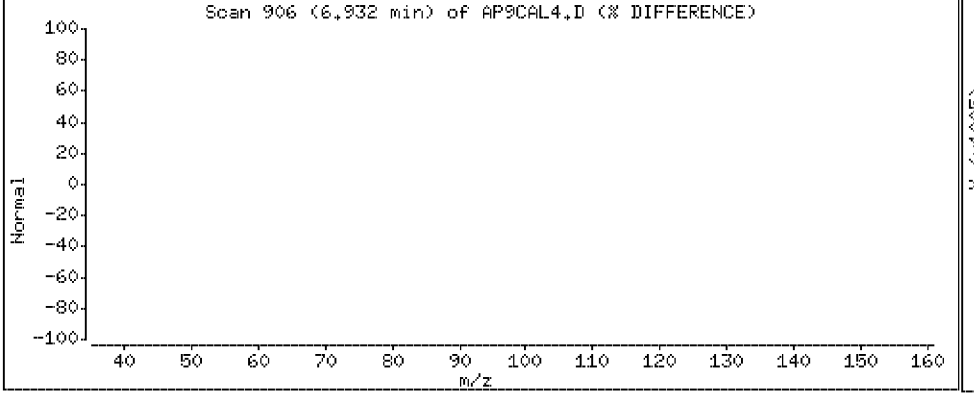












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

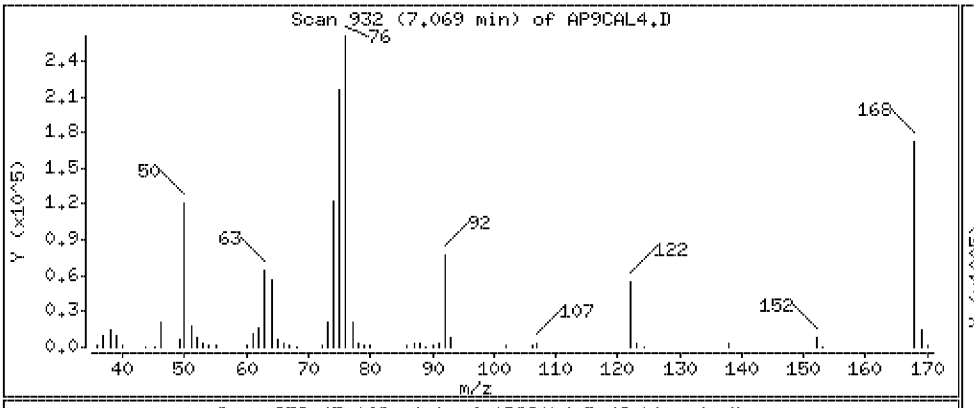
Operator: PEL

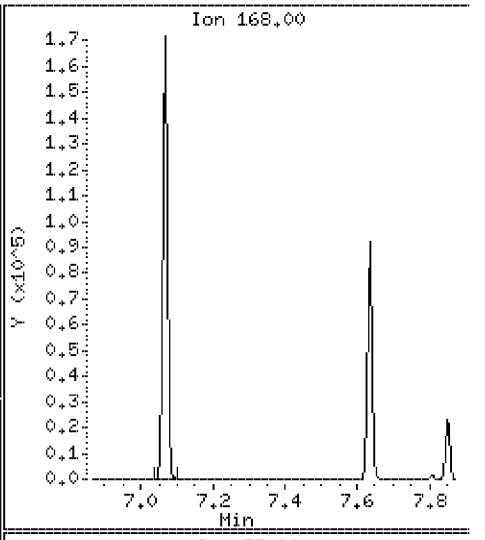
Column phase: HPMS-5

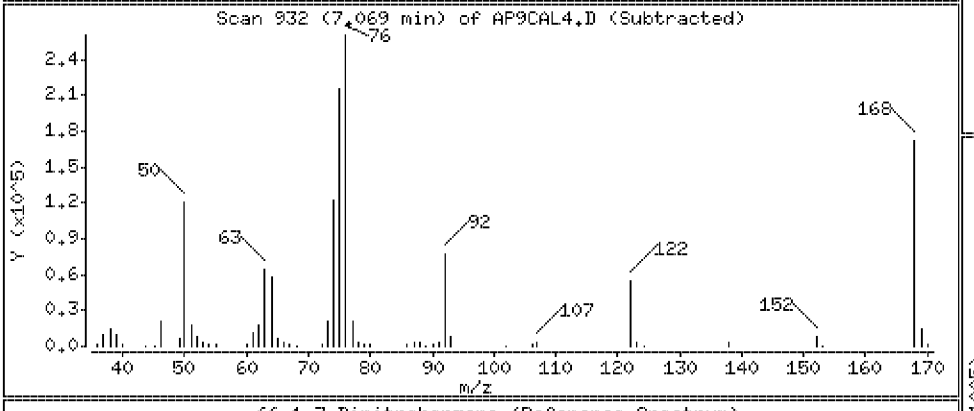
Column diameter: 0.25

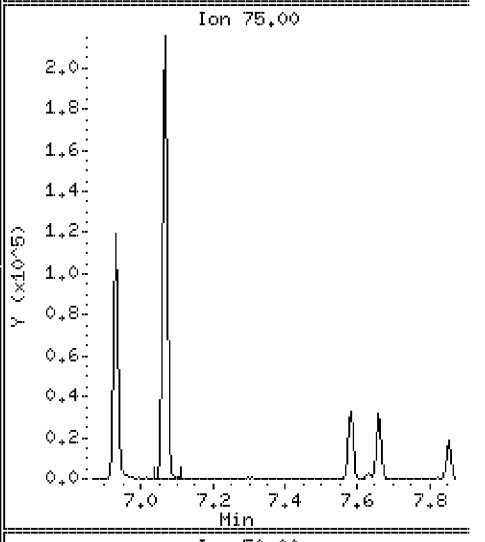
66 1,3-Dinitrobenzene

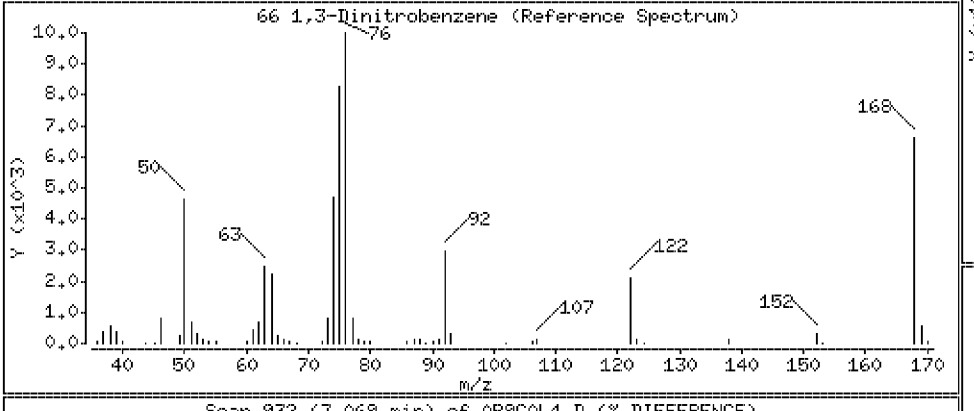
Concentration: 46.9 ug/l

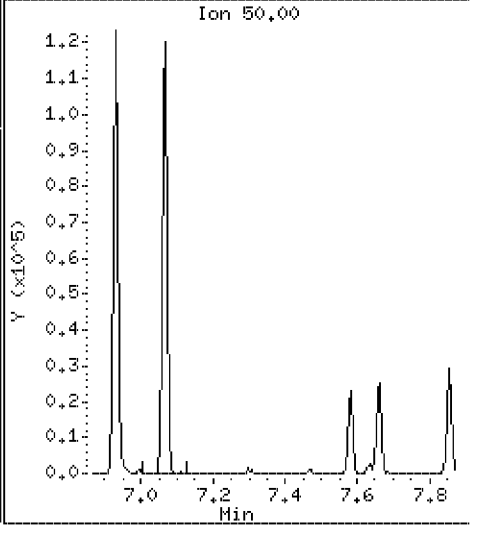


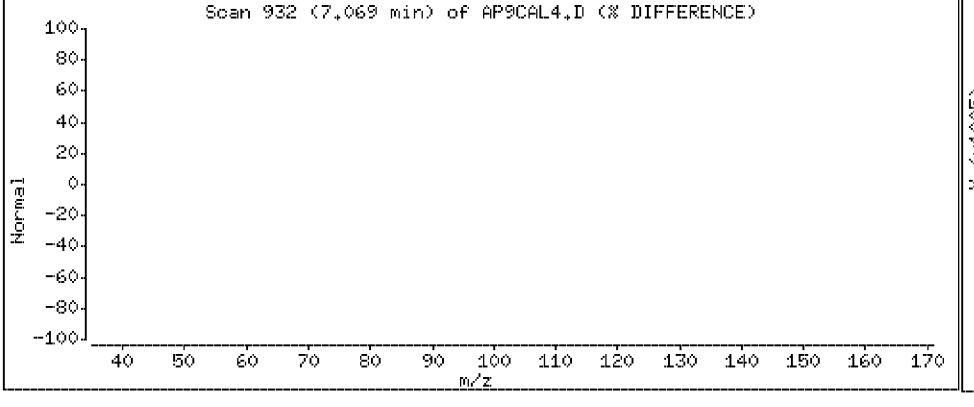












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

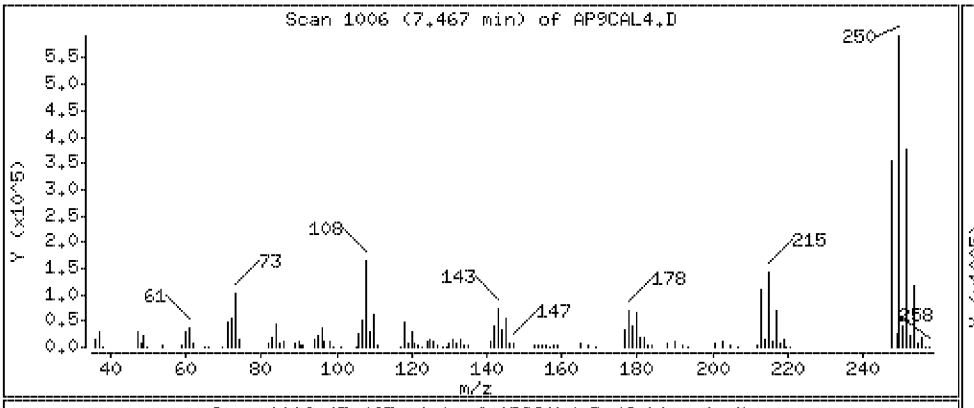
Operator: PEL

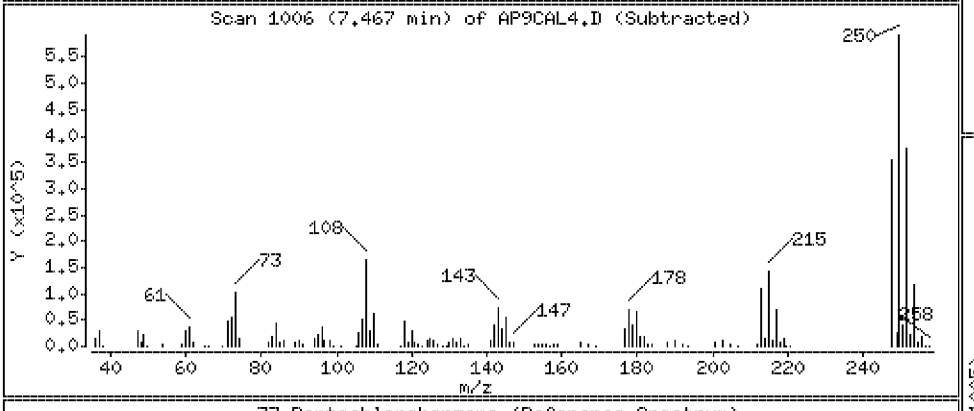
Column phase: HPMS-5

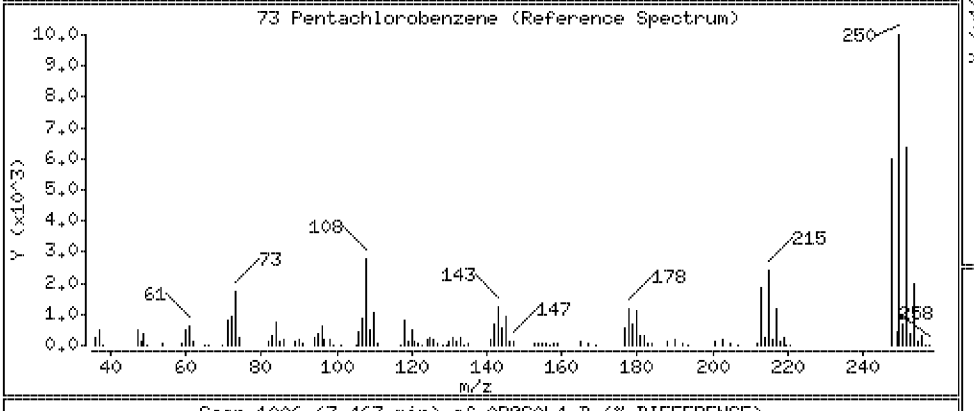
Column diameter: 0.25

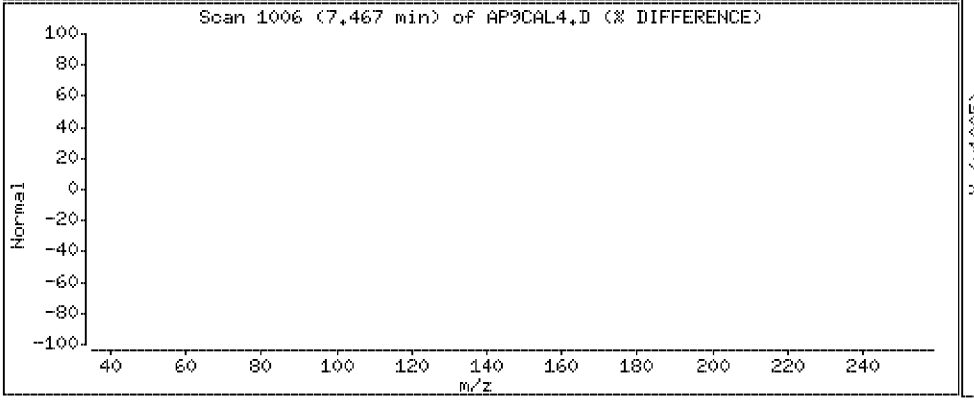
73 Pentachlorobenzene

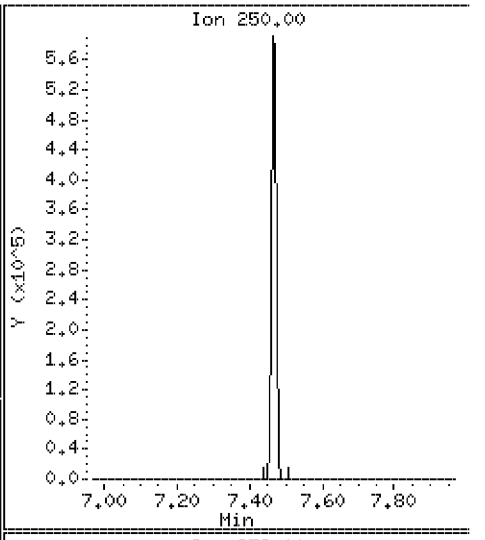
Concentration: 45.5 ug/l

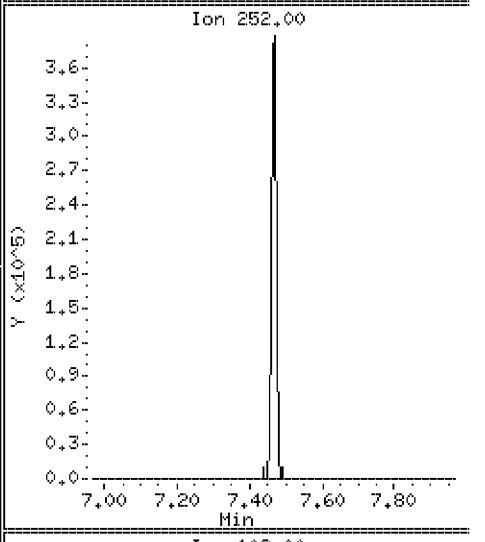


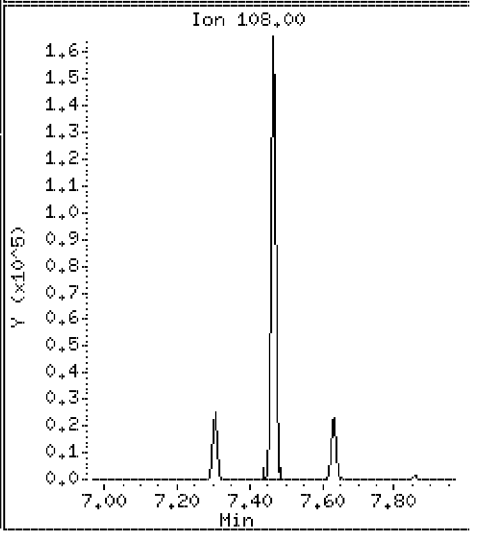












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

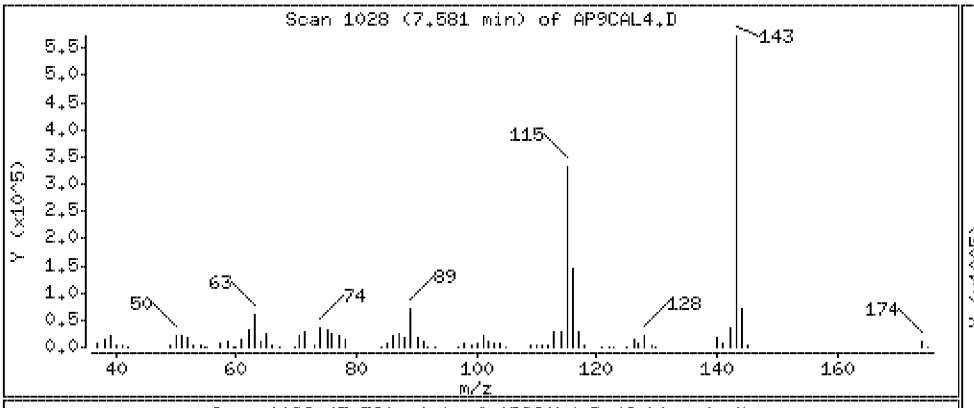
Operator: PEL

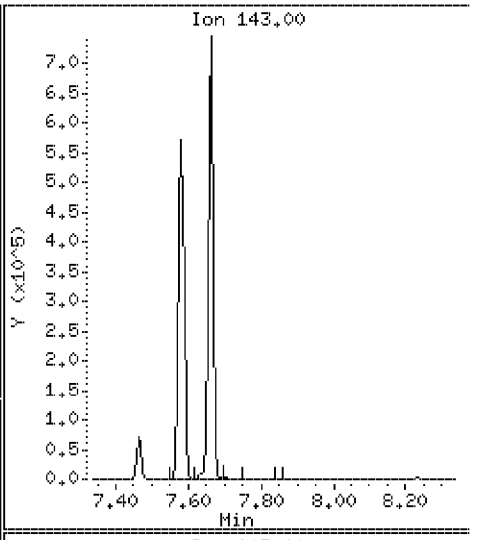
Column phase: HPMS-5

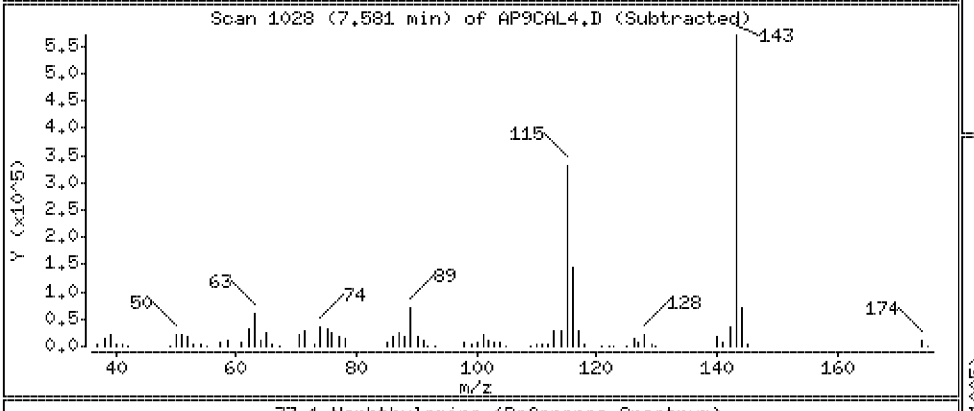
Column diameter: 0.25

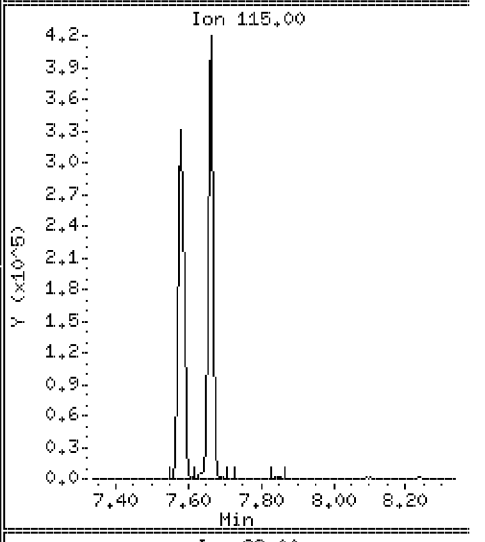
77 1-Naphthylamine

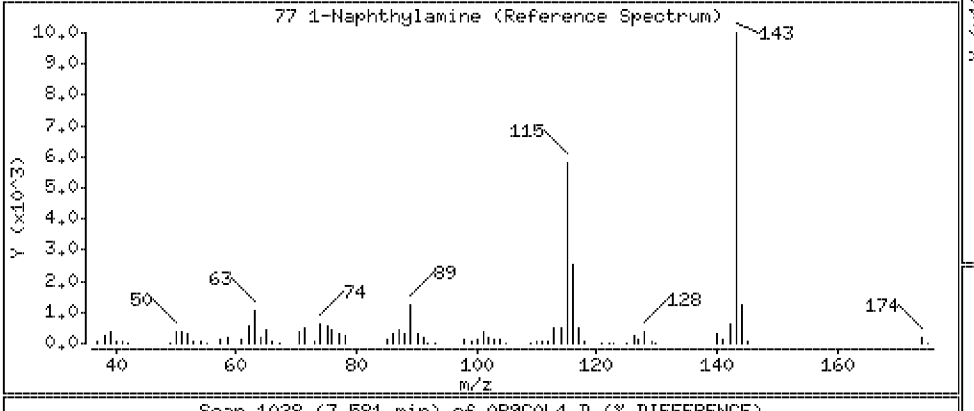
Concentration: 45.6 ug/l

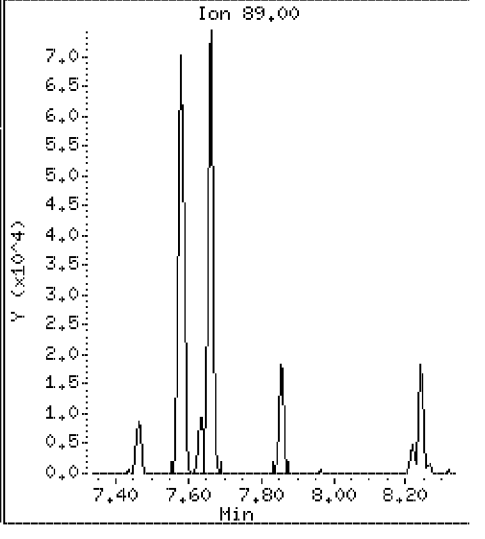


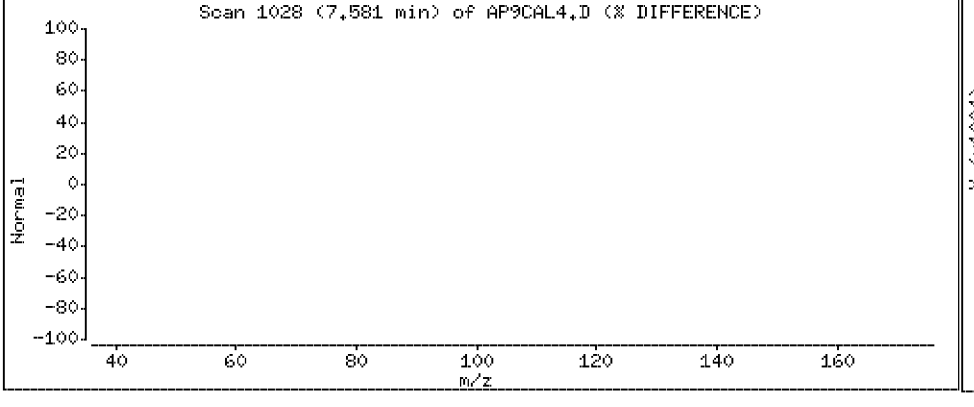












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

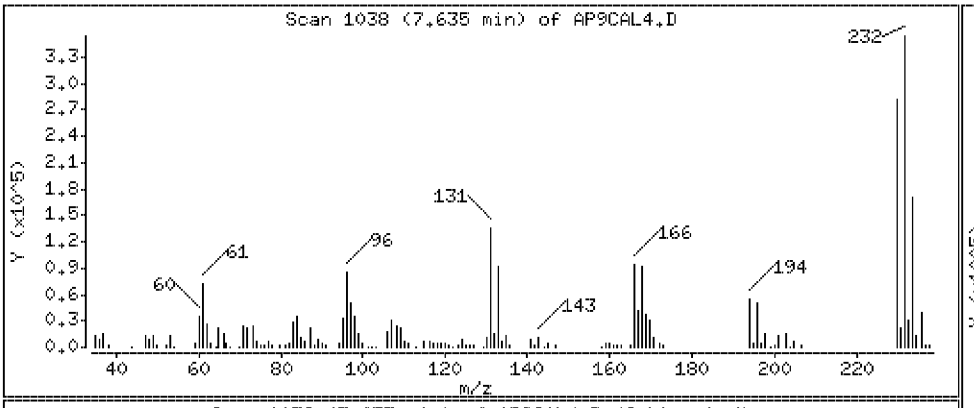
Operator: PEL

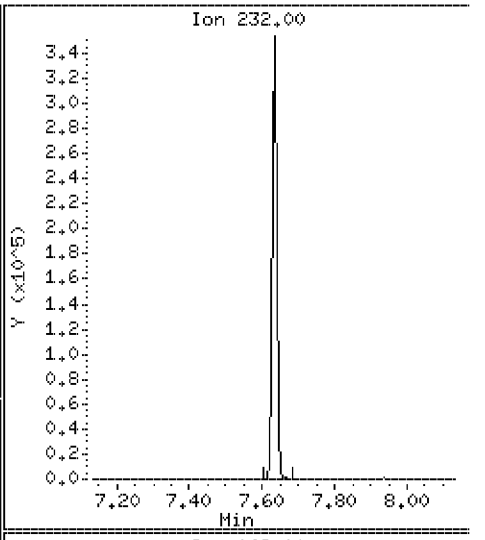
Column phase: HPMS-5

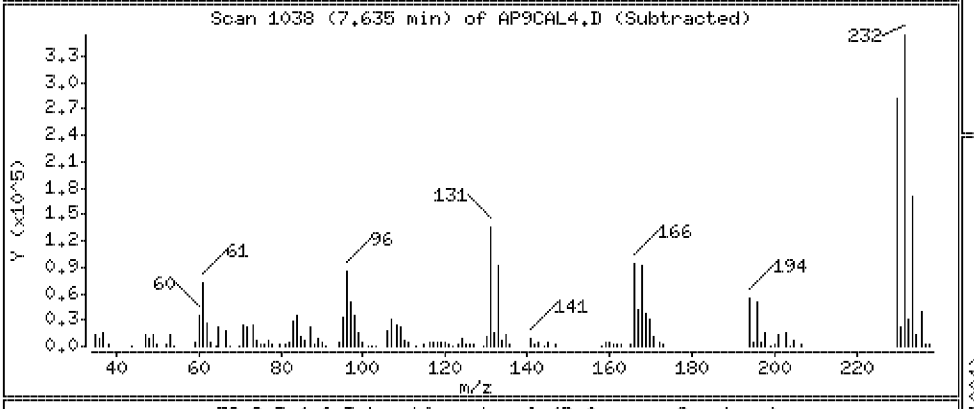
Column diameter: 0.25

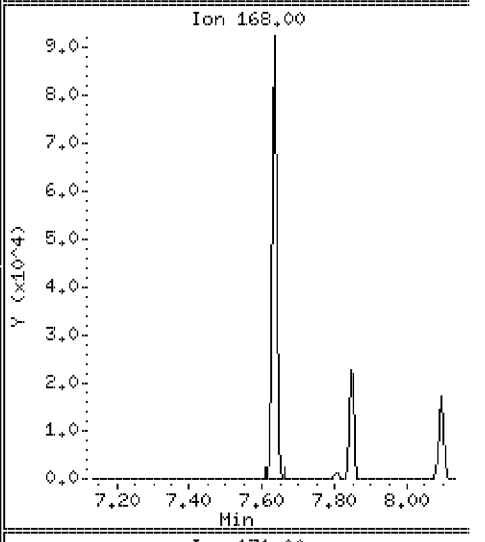
78 2,3,4,6-Tetrachlorophenol

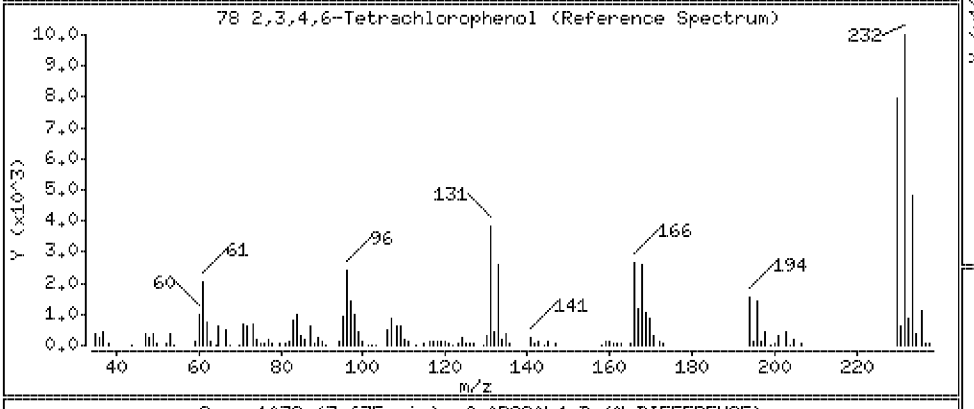
Concentration: 46.7 ug/l

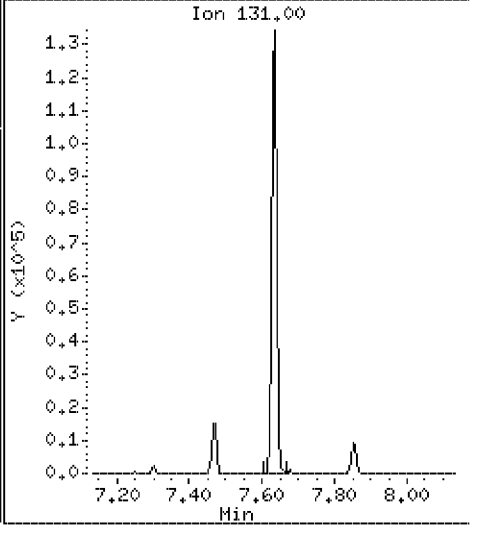


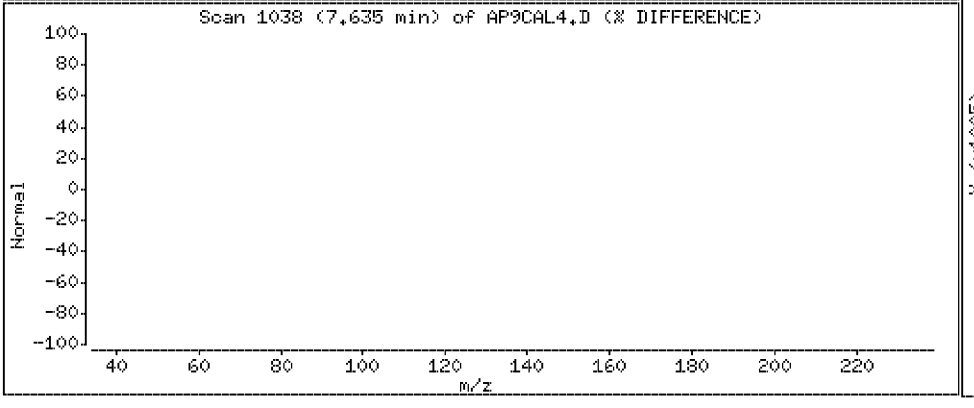












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

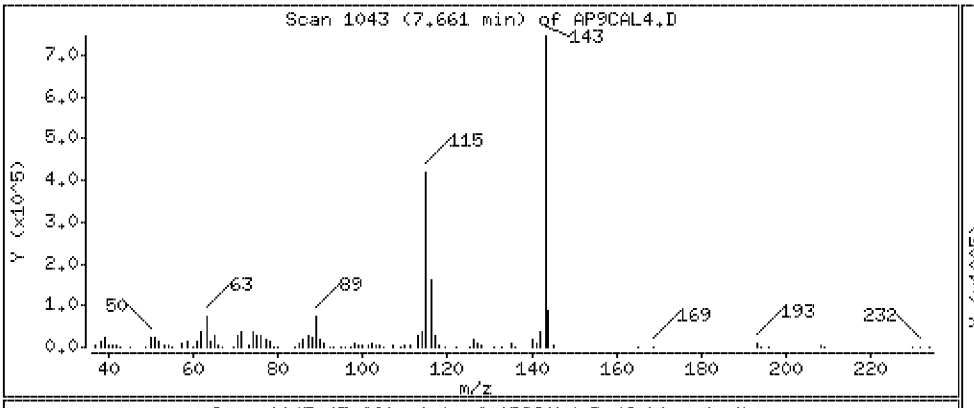
Operator: PEL

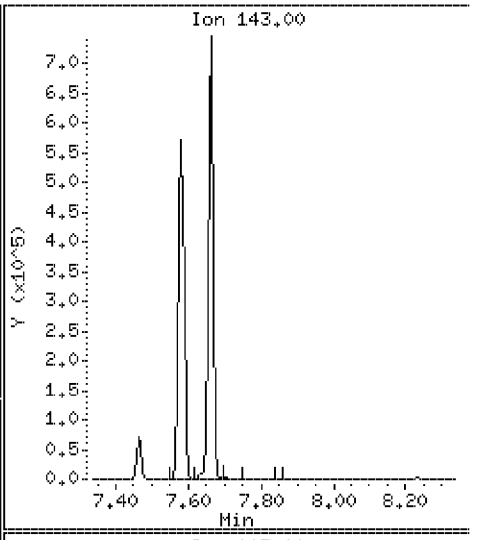
Column phase: HPMS-5

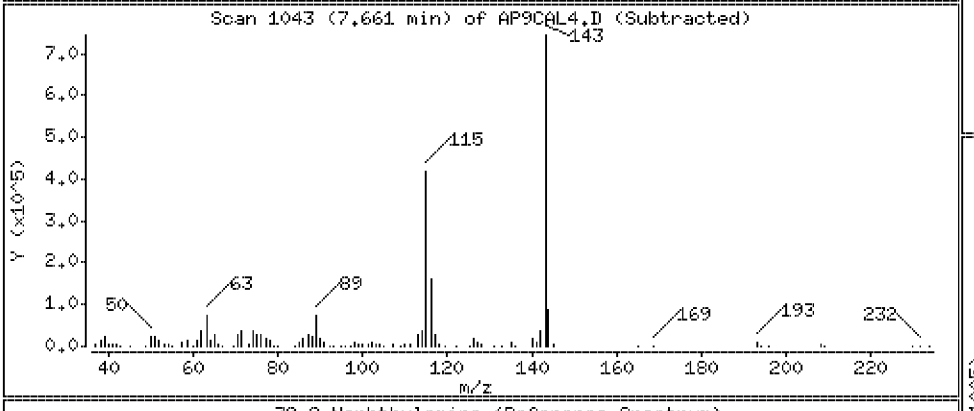
Column diameter: 0.25

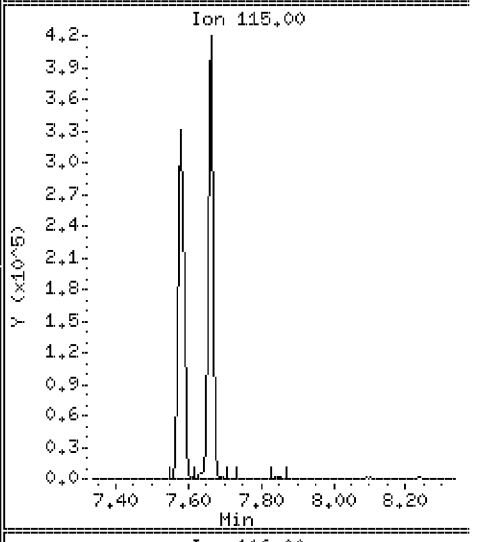
79 2-Naphthylamine

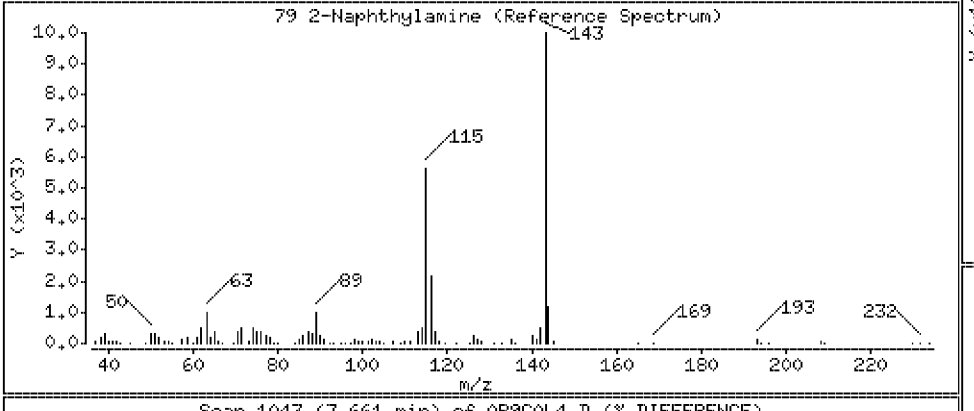
Concentration: 45.8 ug/l

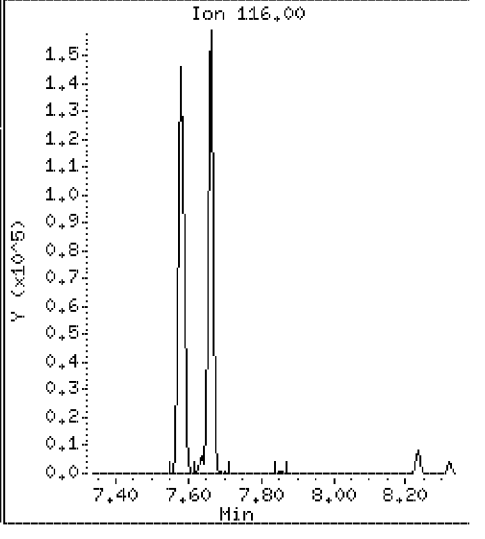


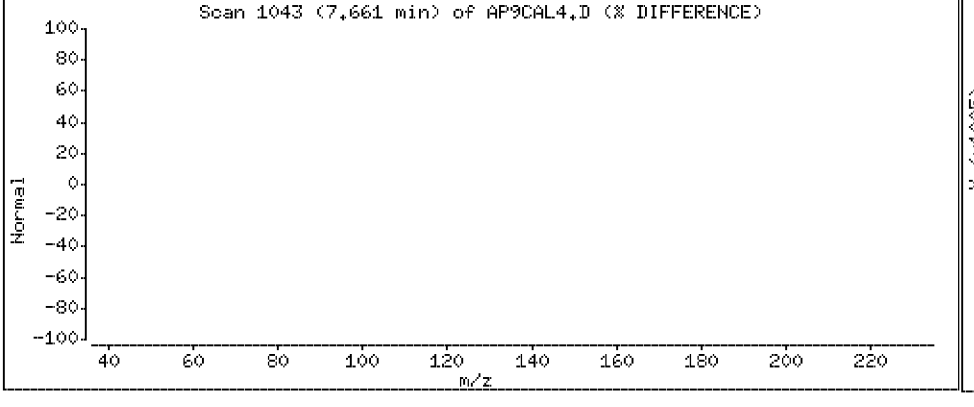












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

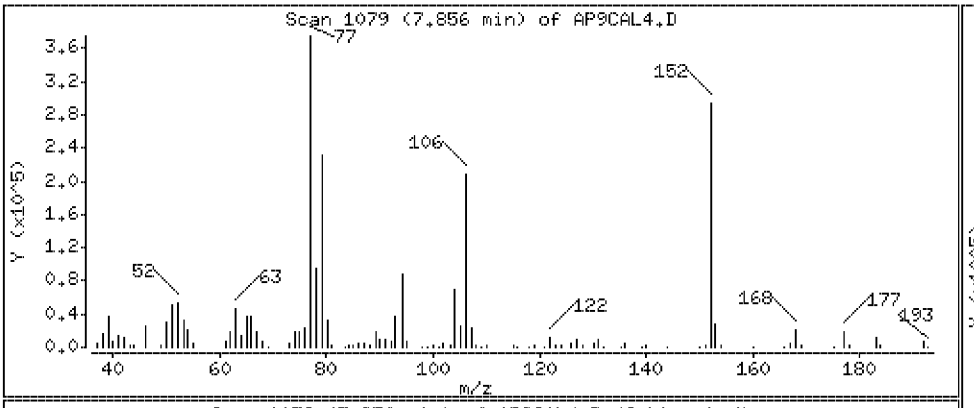
Operator: PEL

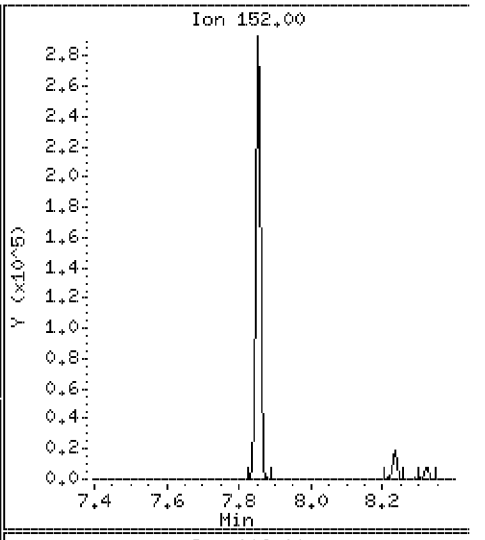
Column phase: HPMS-5

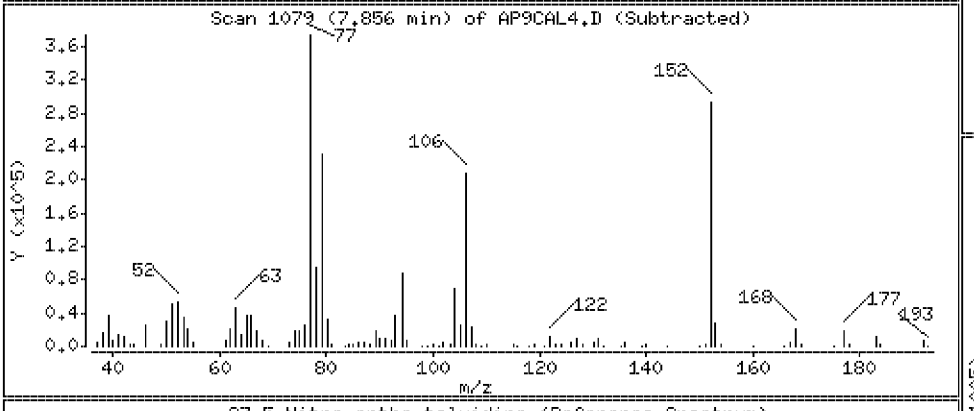
Column diameter: 0.25

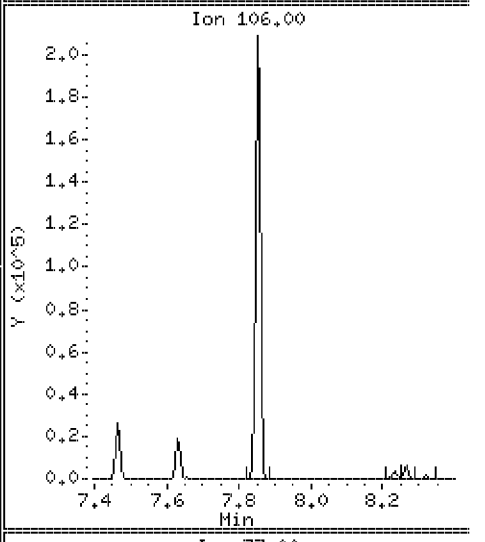
83 5-Nitro-ortho-toluidine

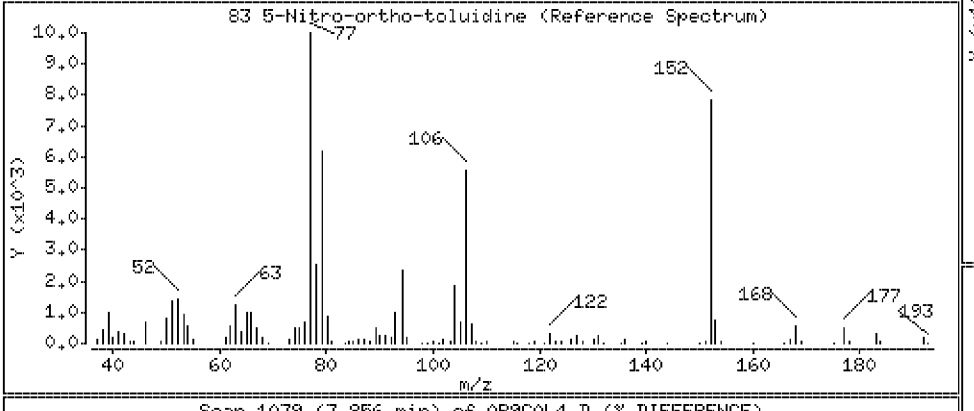
Concentration: 46.4 ug/l

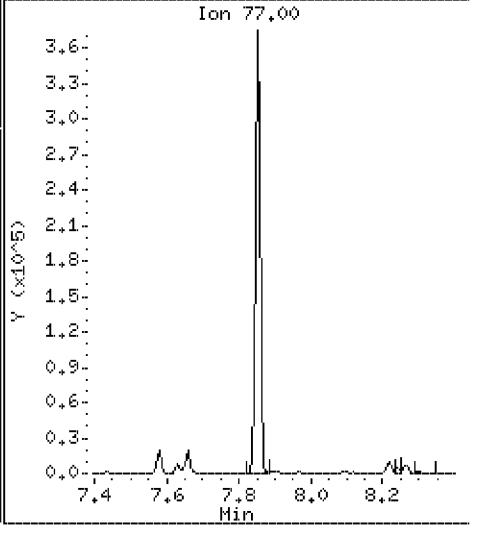


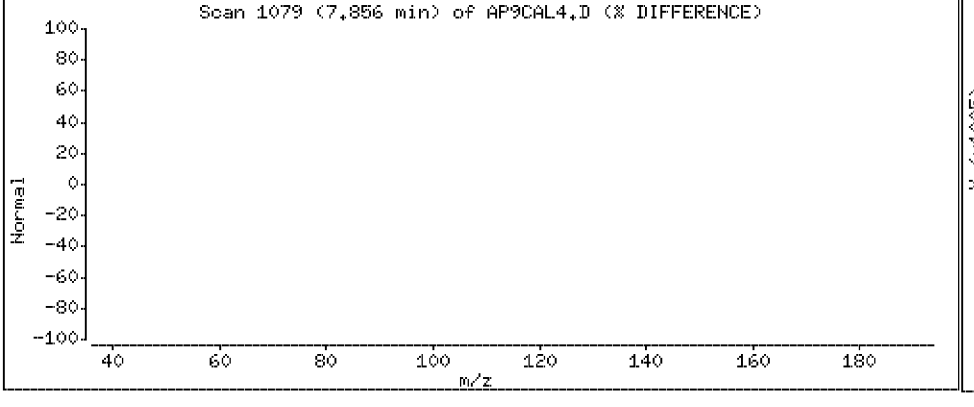












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

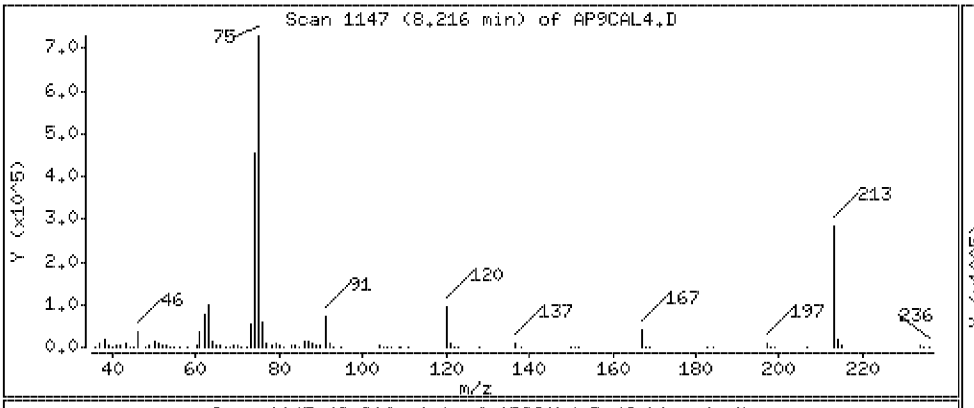
Operator: PEL

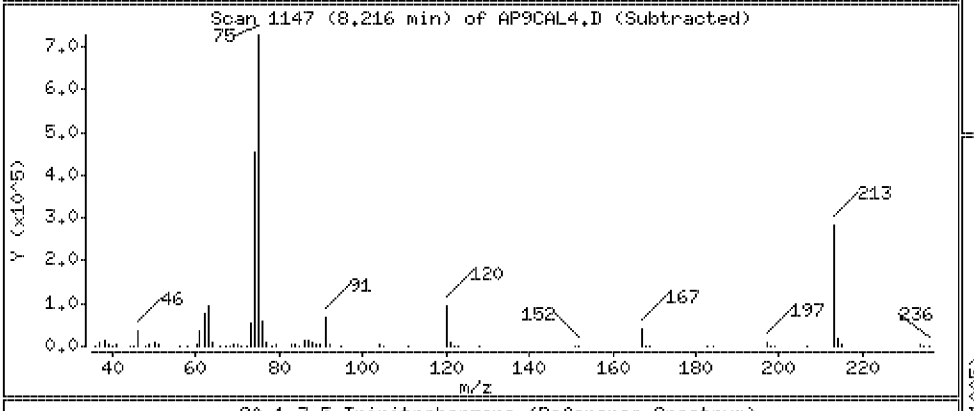
Column phase: HPMS-5

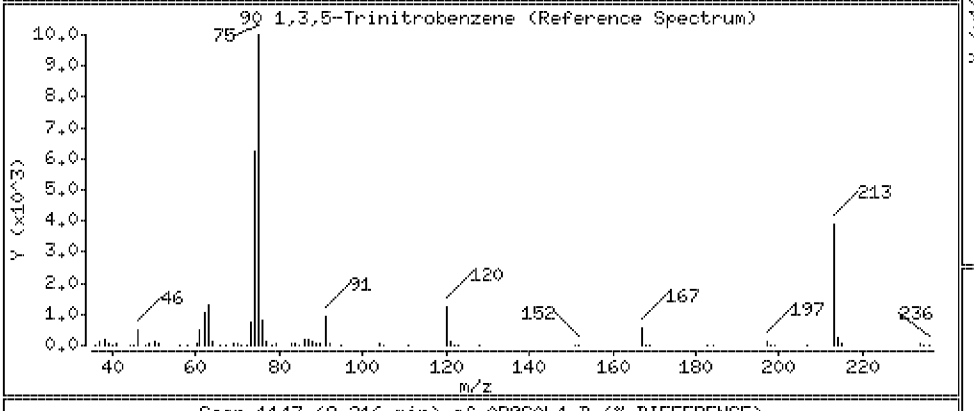
Column diameter: 0.25

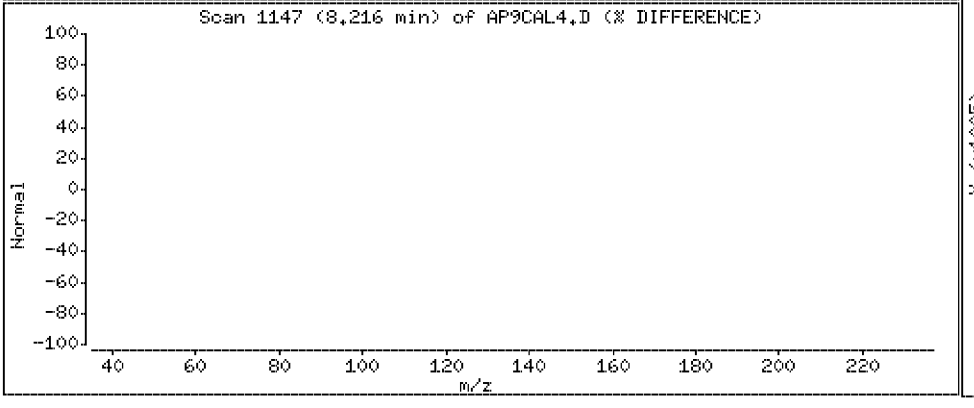
90 1,3,5-Trinitrobenzene

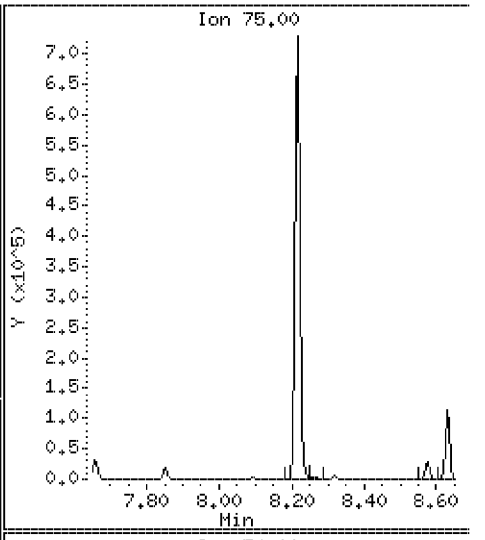
Concentration: 43.8 ug/l

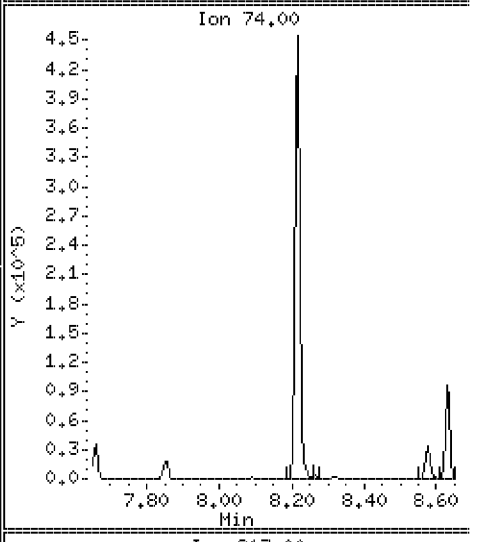


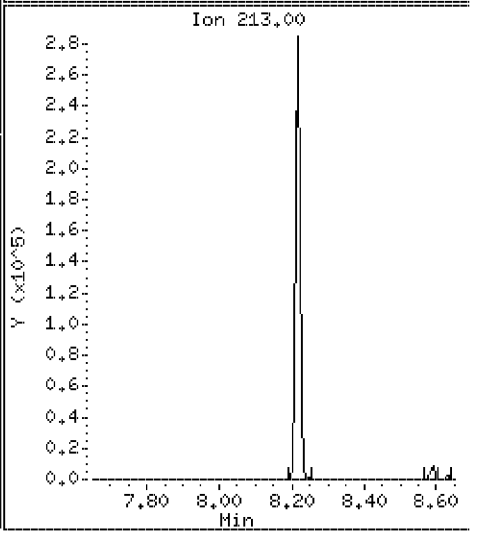












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

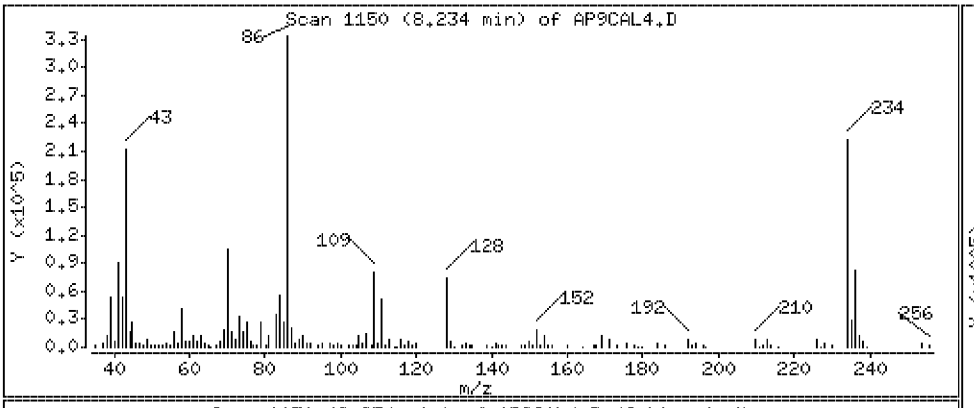
Operator: PEL

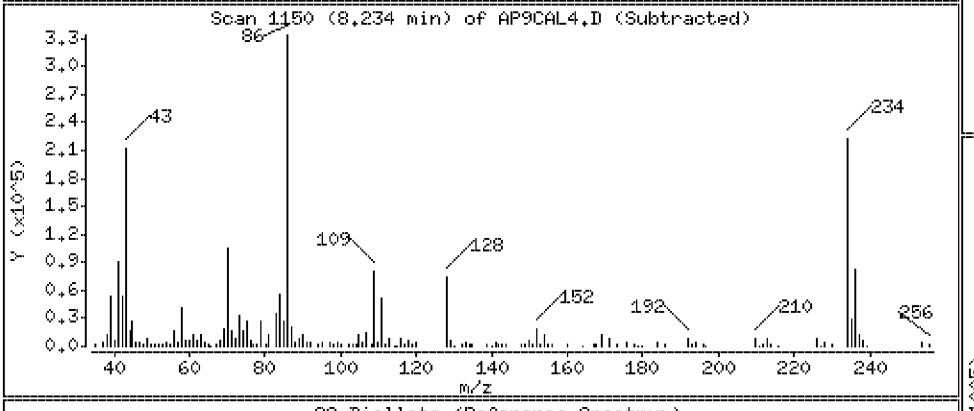
Column phase: HPMS-5

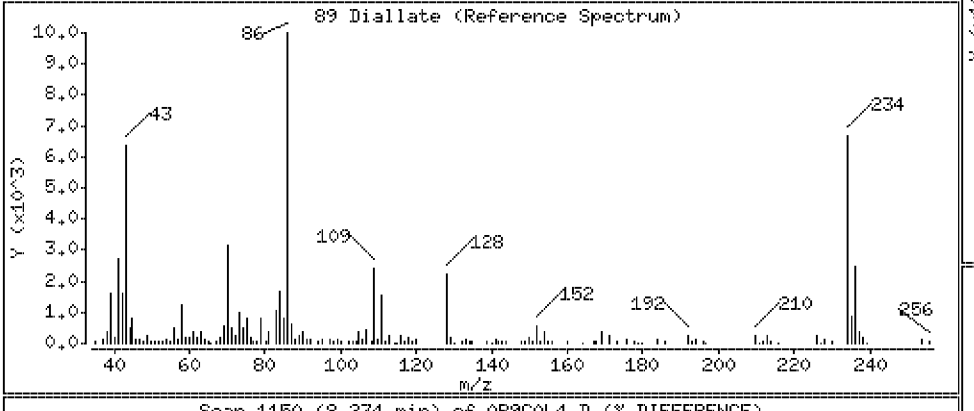
Column diameter: 0.25

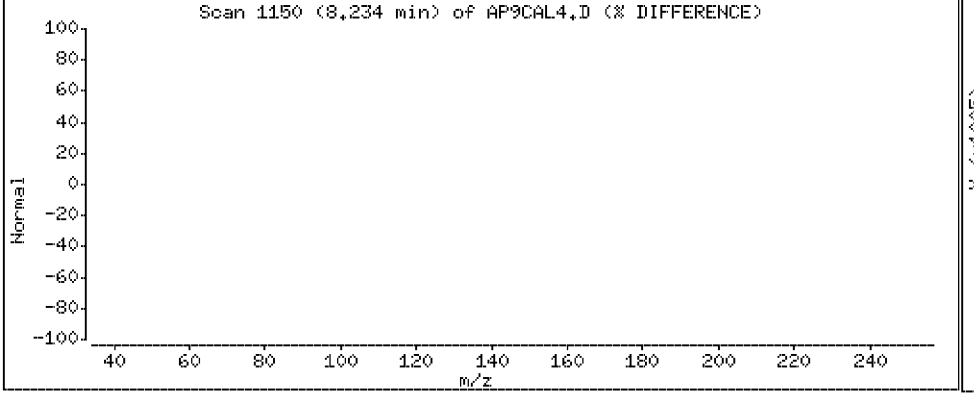
89 Diallate

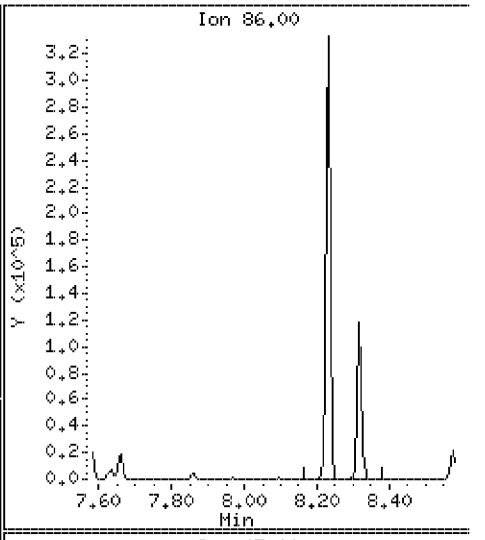
Concentration: 45.2 ug/l

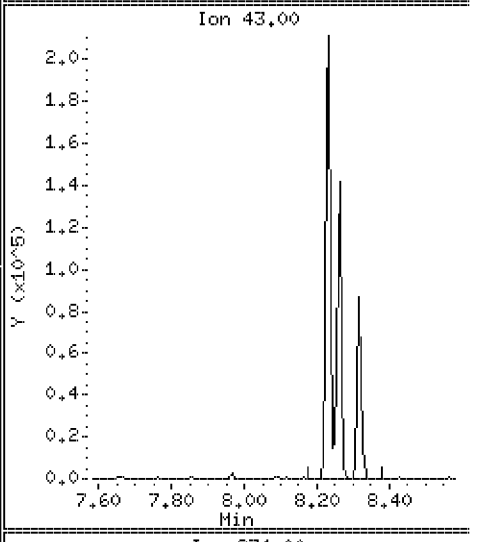


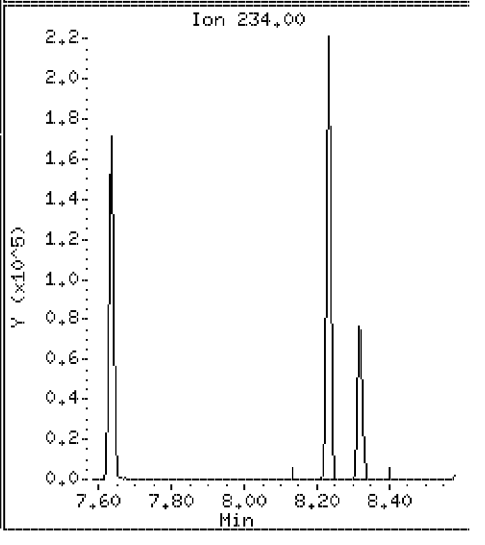












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

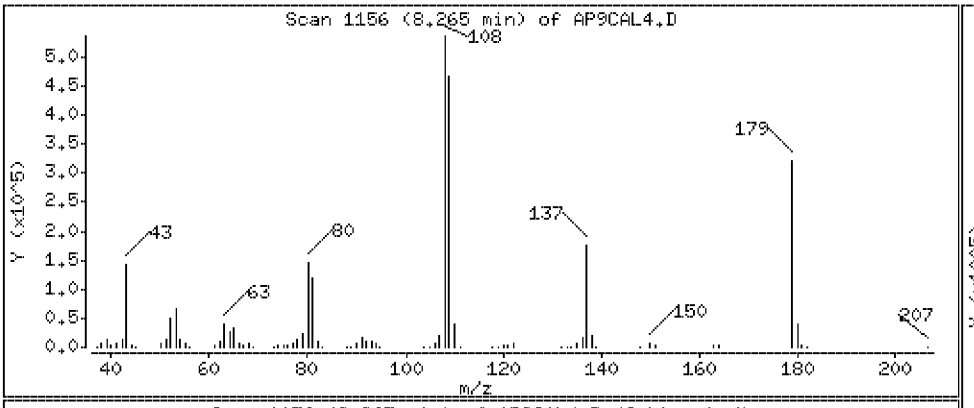
Operator: PEL

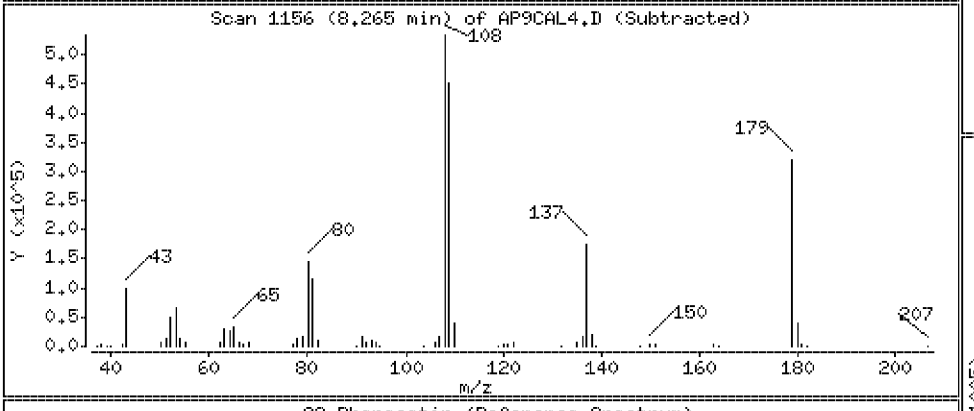
Column phase: HPMS-5

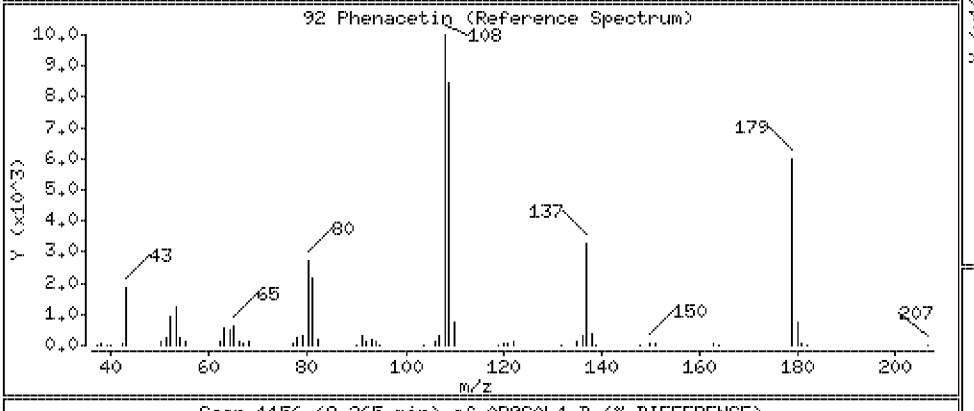
Column diameter: 0.25

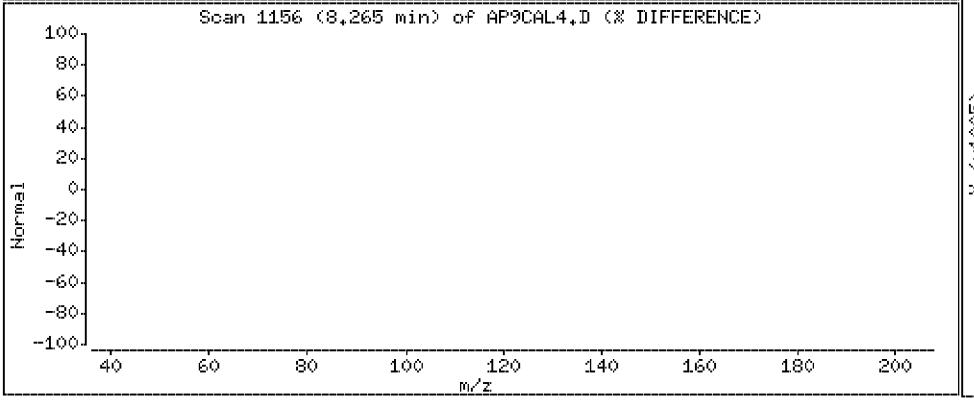
92 Phenacetin

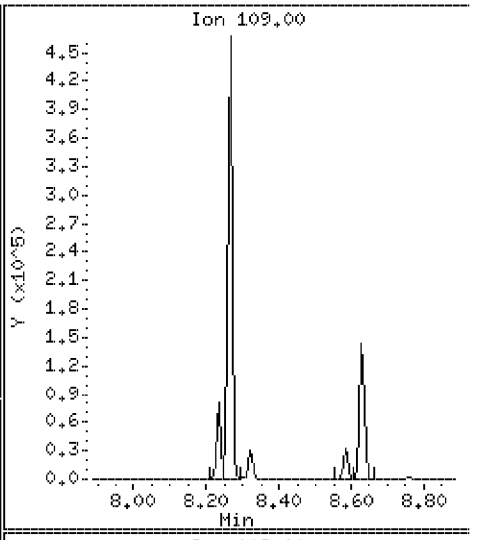
Concentration: 43.5 ug/l

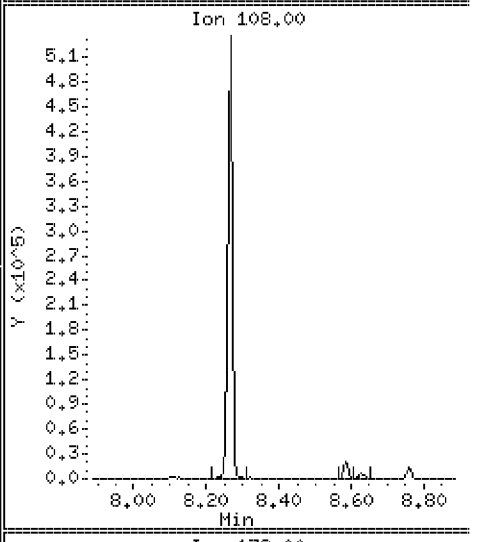


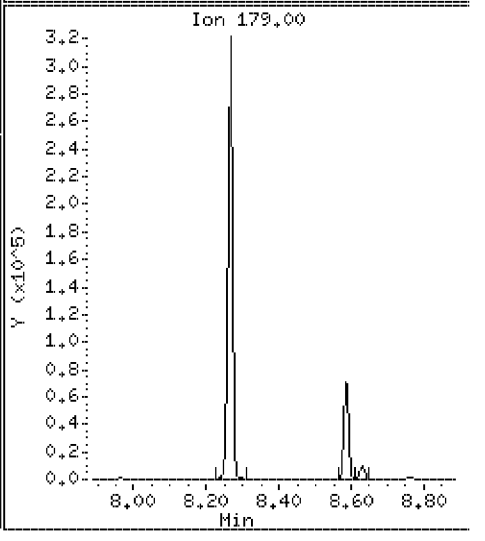












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

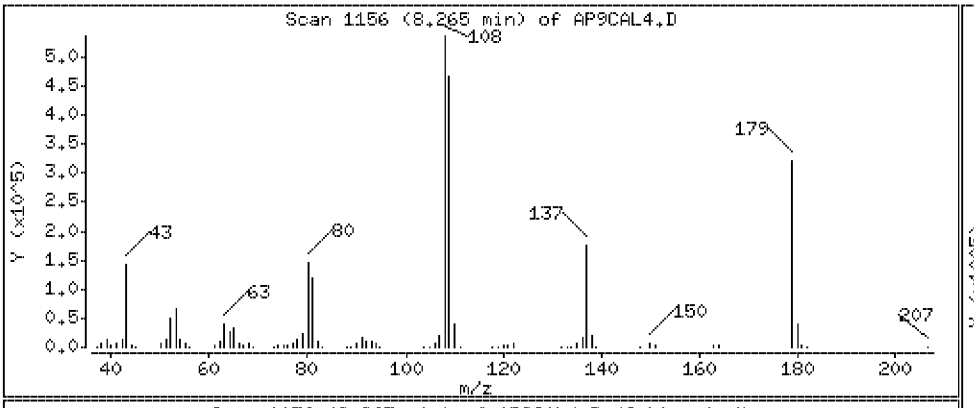
Operator: PEL

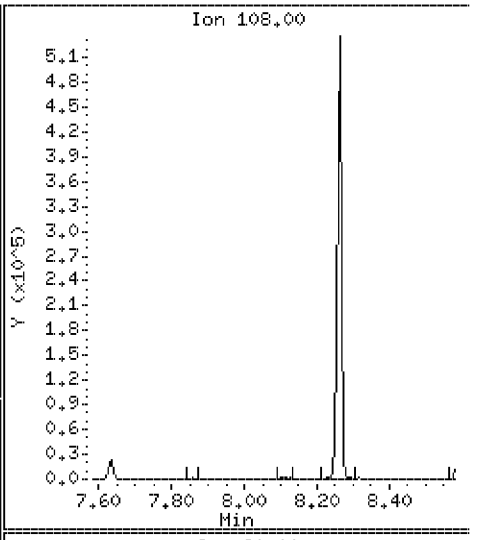
Column phase: HPMS-5

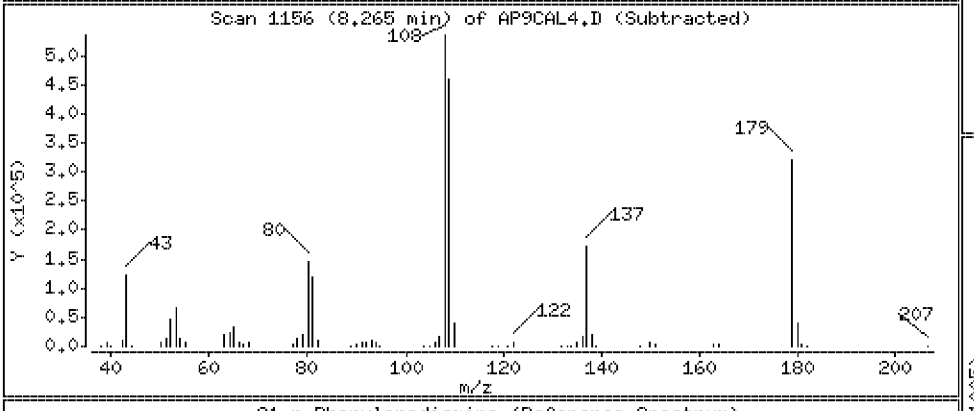
Column diameter: 0.25

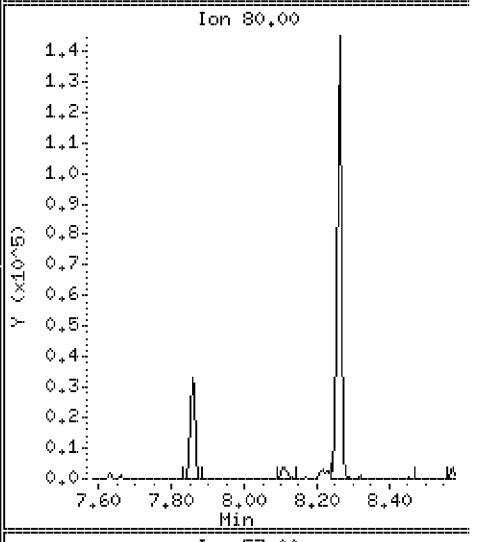
91 p-Phenylenediamine

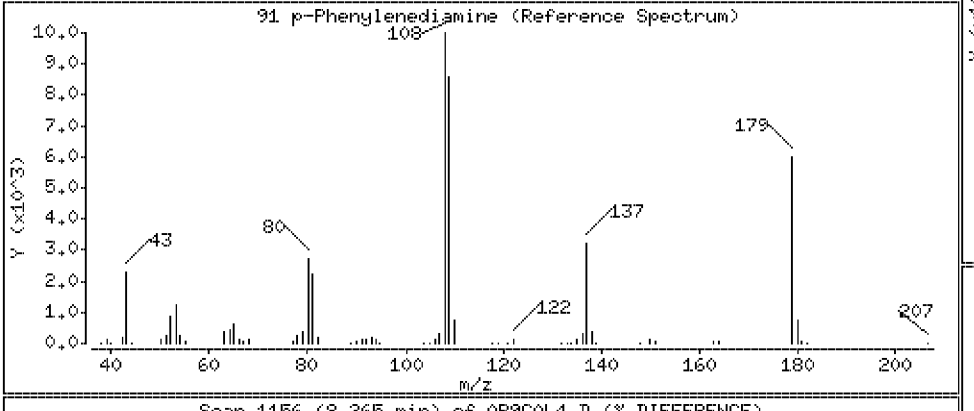
Concentration: 46.1 ug/l

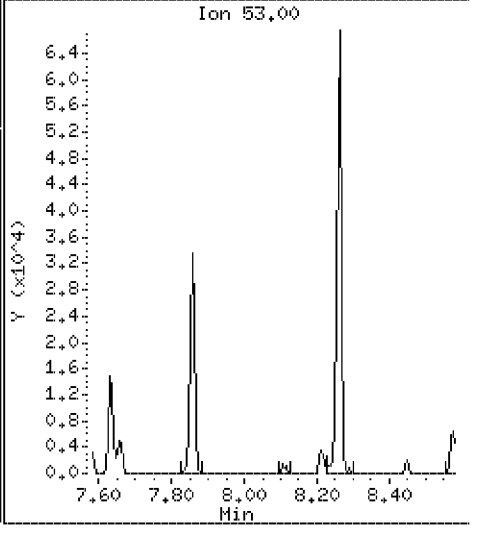


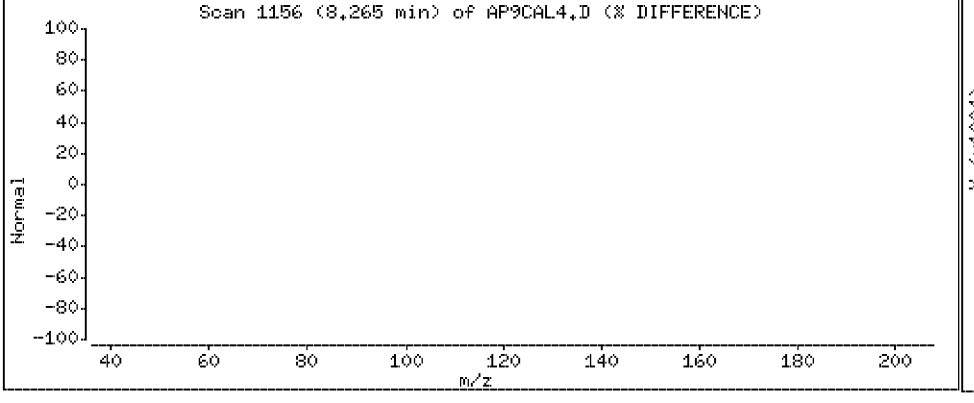












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

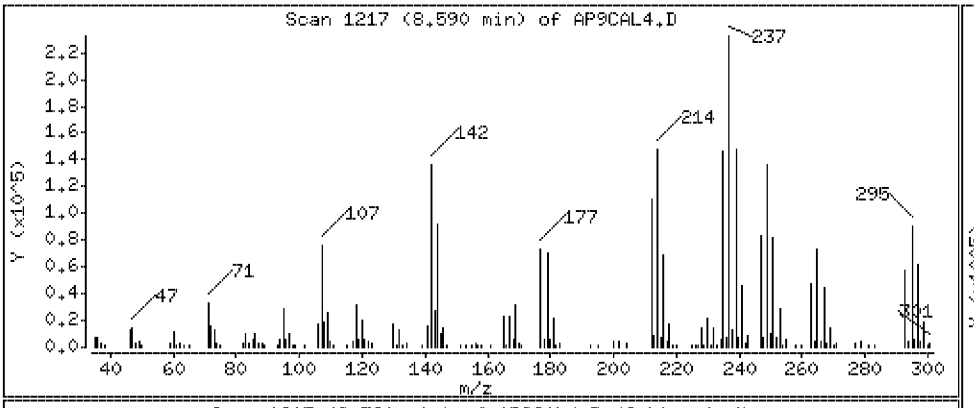
Operator: PEL

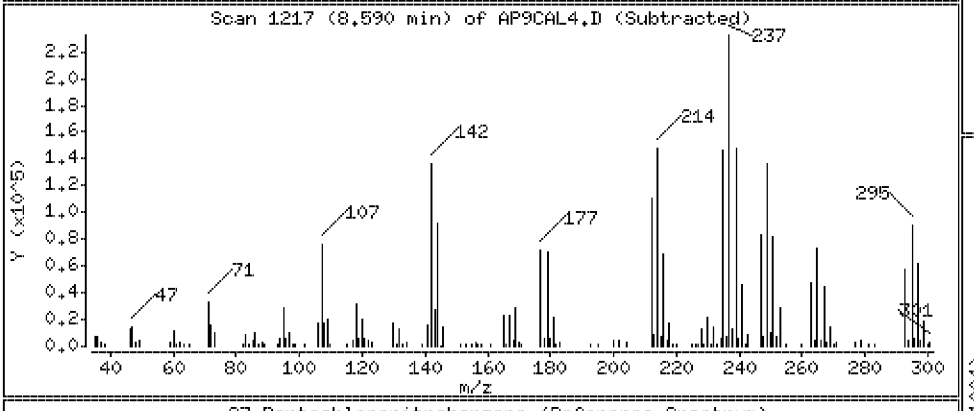
Column phase: HPMS-5

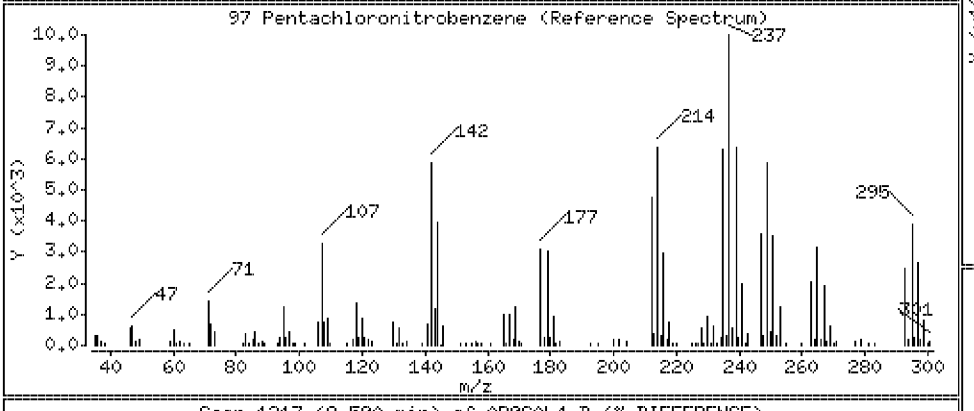
Column diameter: 0.25

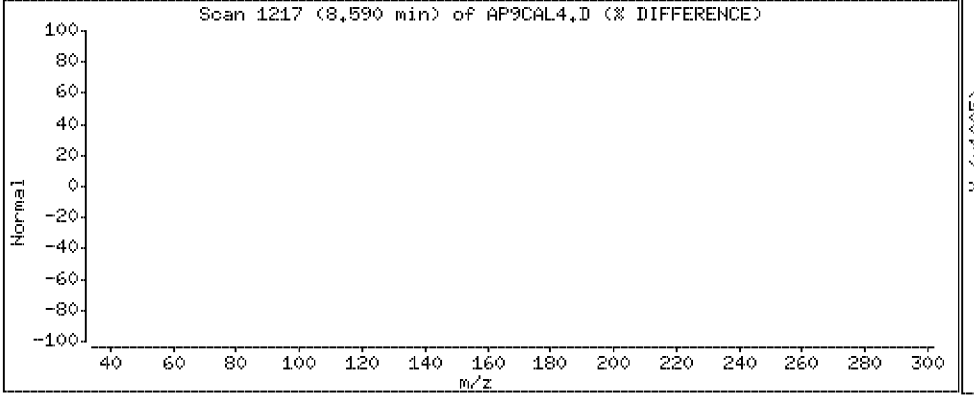
97 Pentachloronitrobenzene

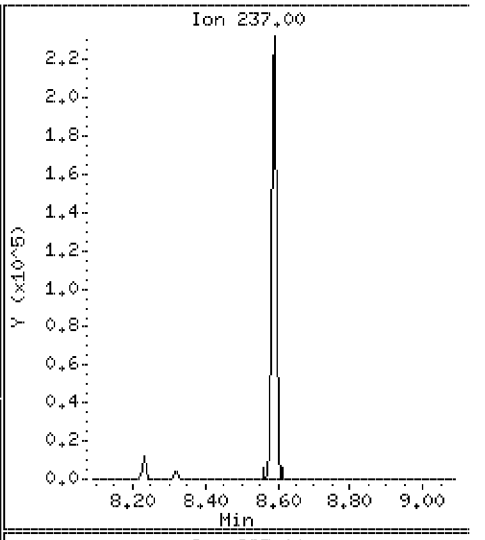
Concentration: 45.4 ug/l

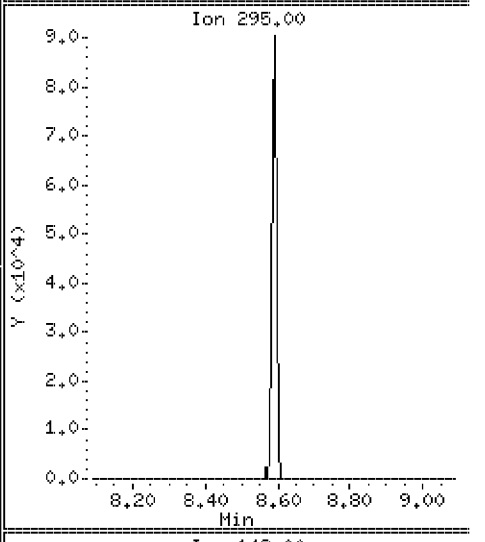


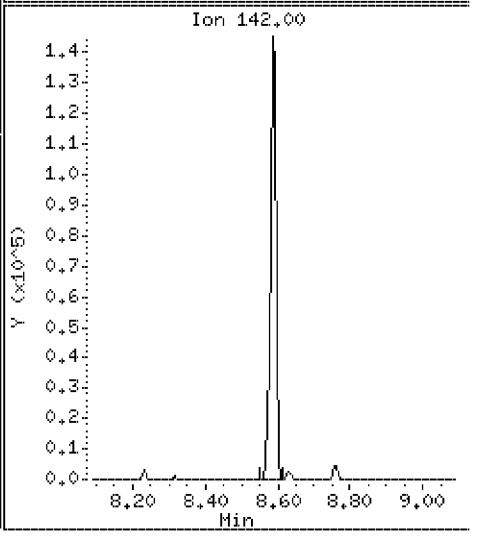












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

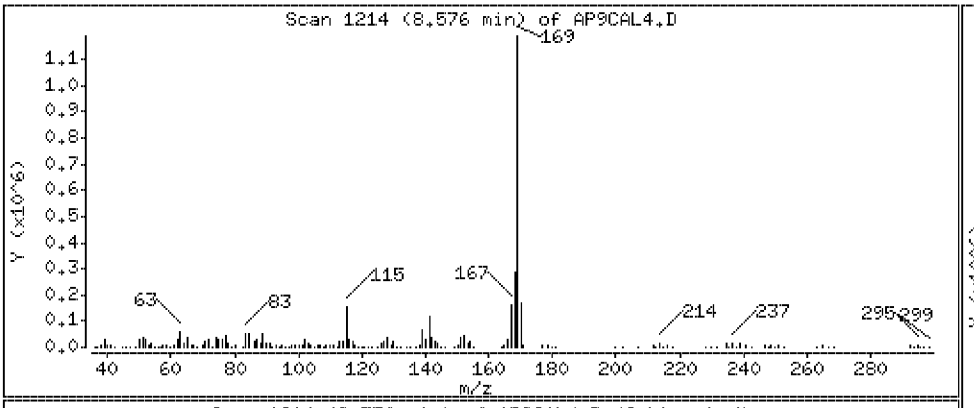
Operator: PEL

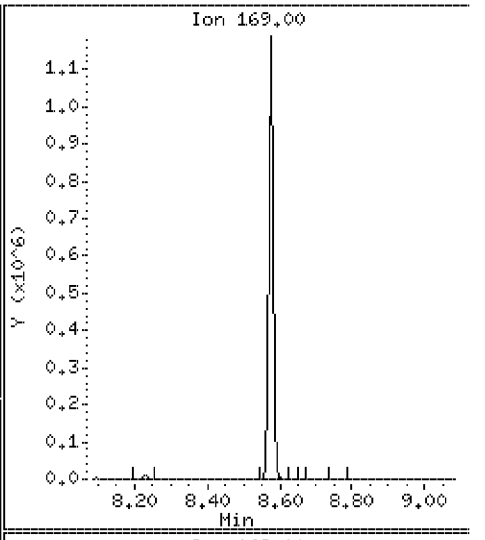
Column phase: HPMS-5

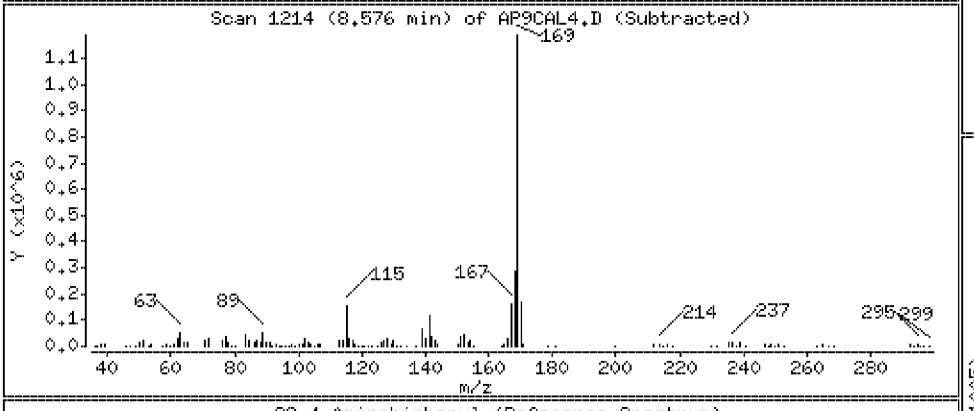
Column diameter: 0.25

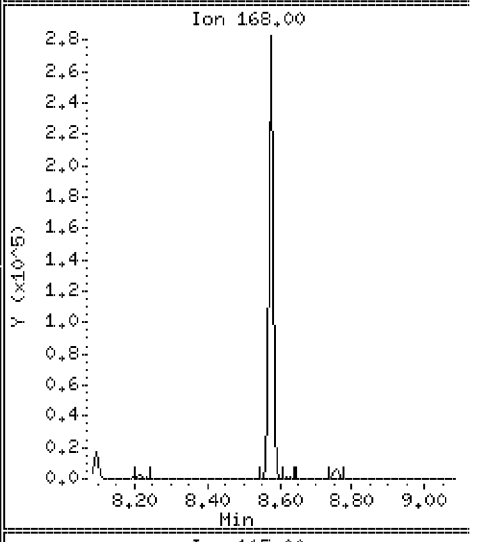
98 4-Aminobiphenyl

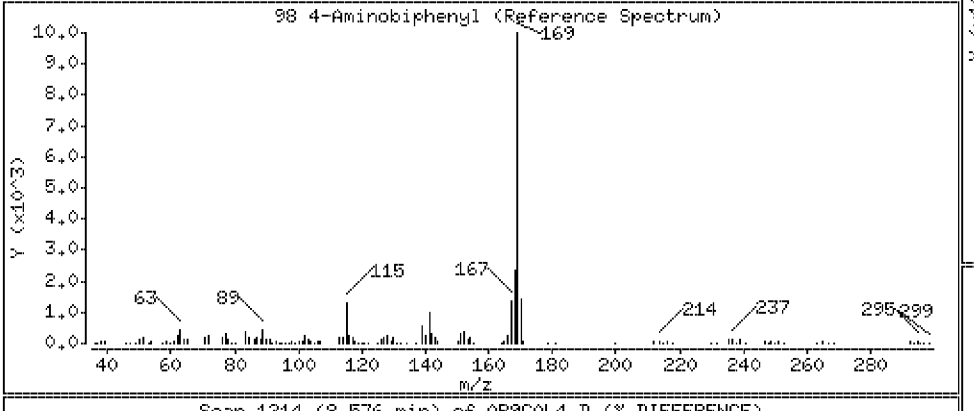
Concentration: 44.8 ug/l

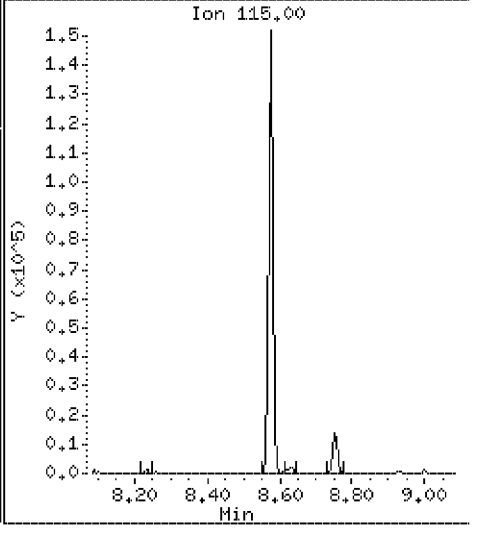


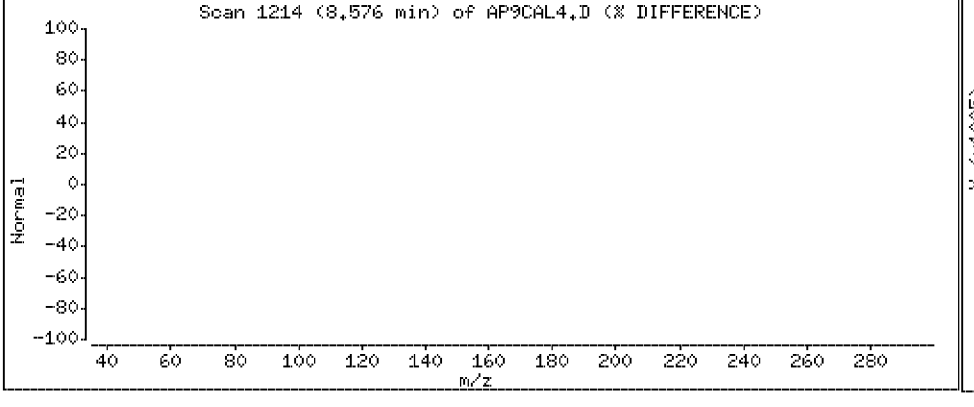












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

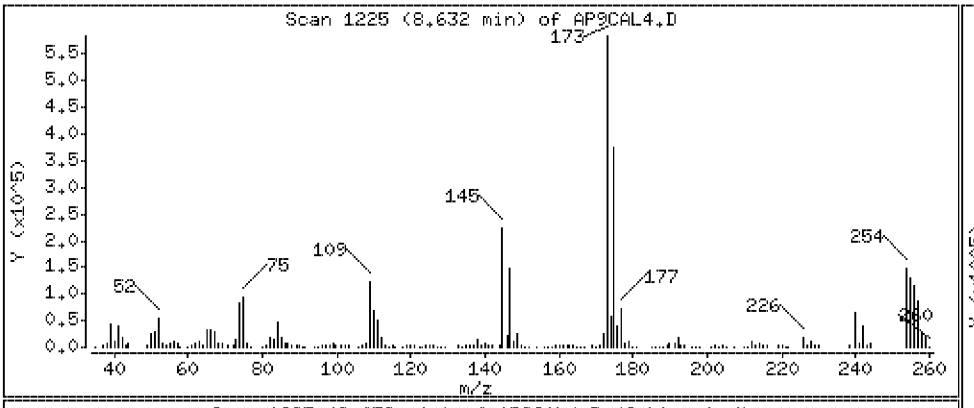
Operator: PEL

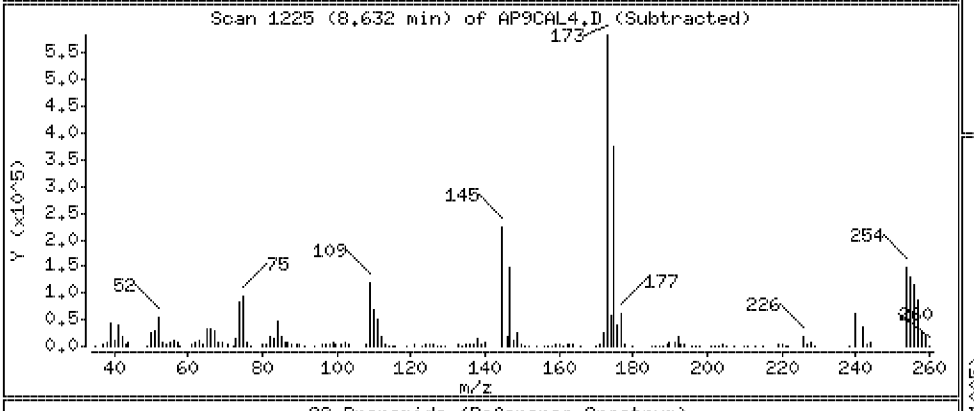
Column phase: HPMS-5

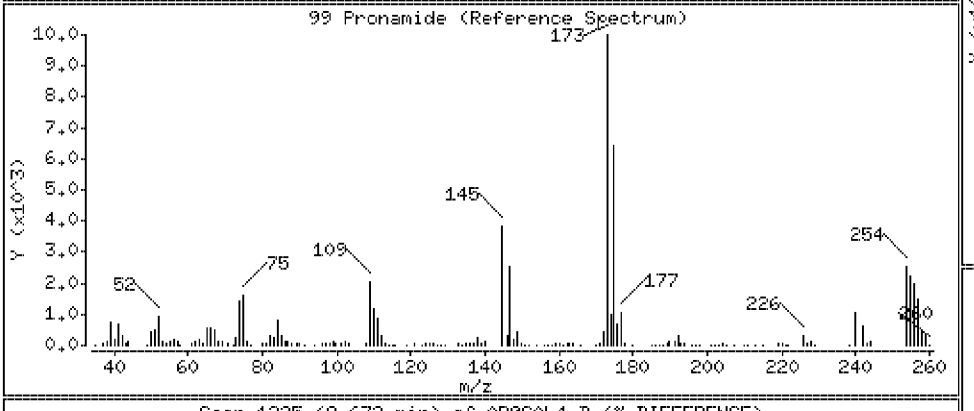
Column diameter: 0.25

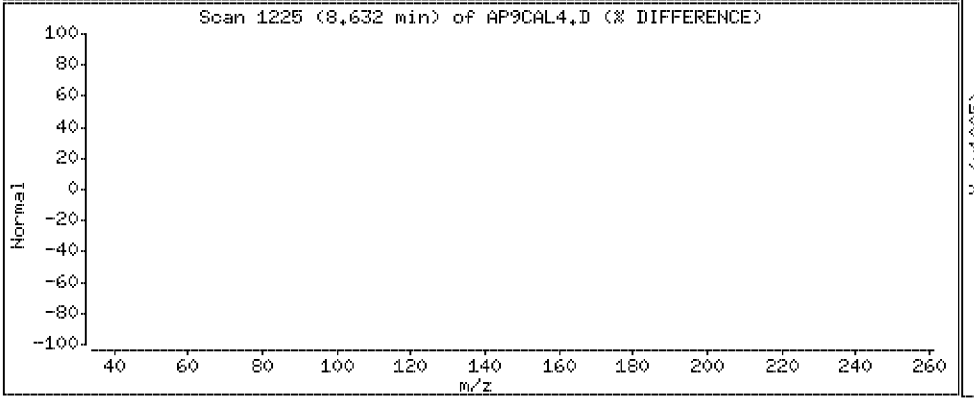
99 Pronamide

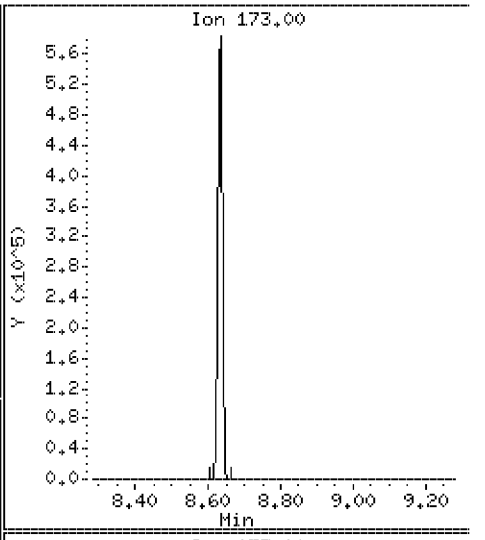
Concentration: 45.4 ug/l

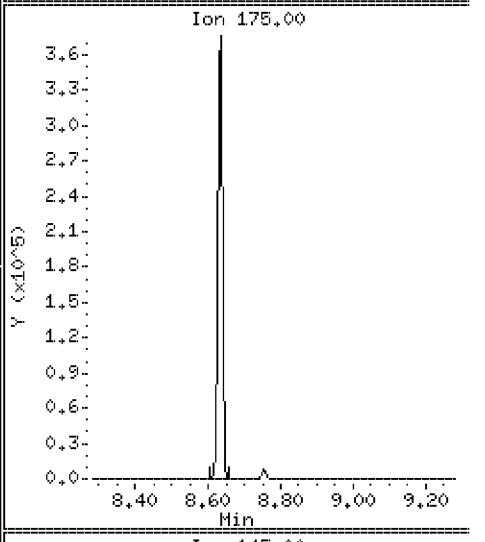


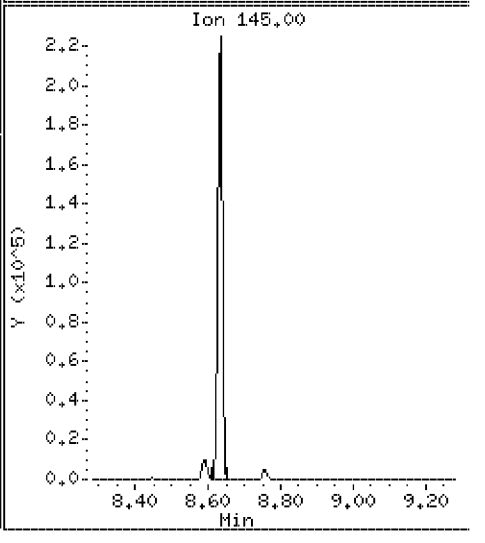












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

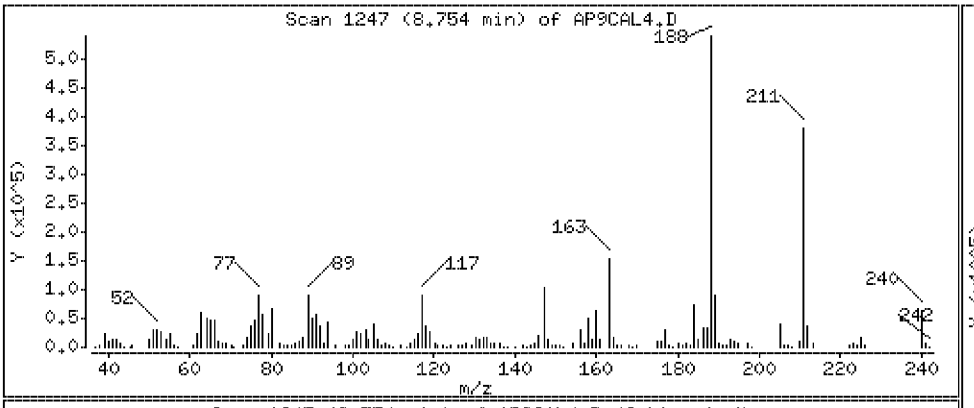
Operator: PEL

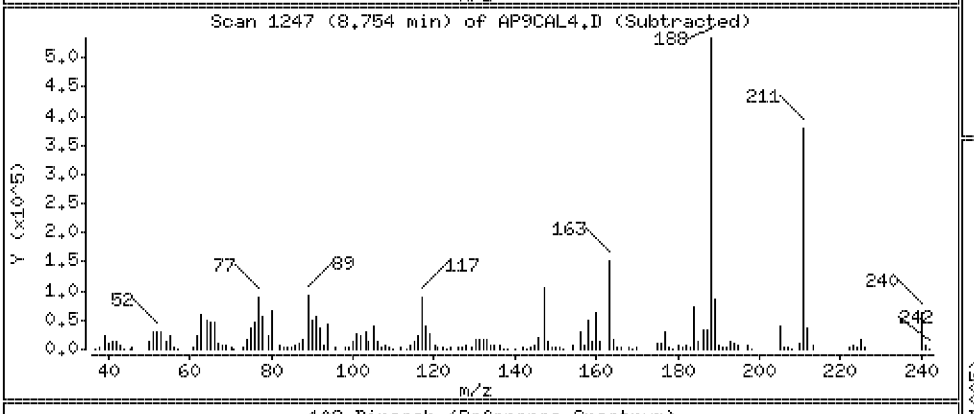
Column phase: HPMS-5

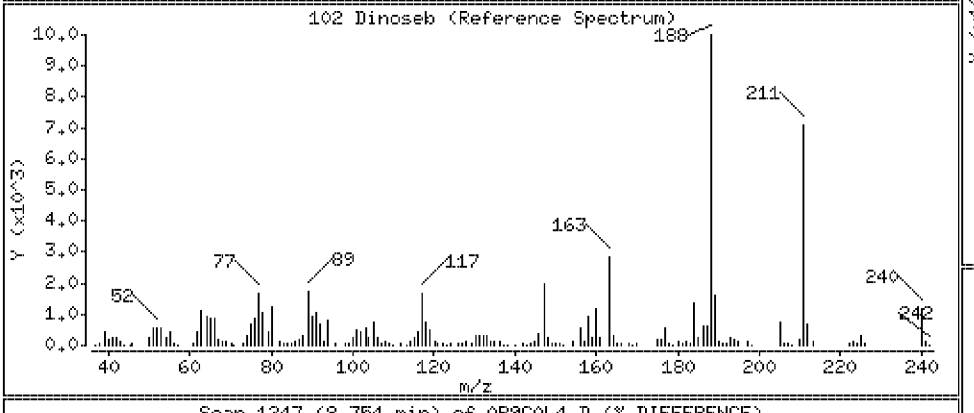
Column diameter: 0.25

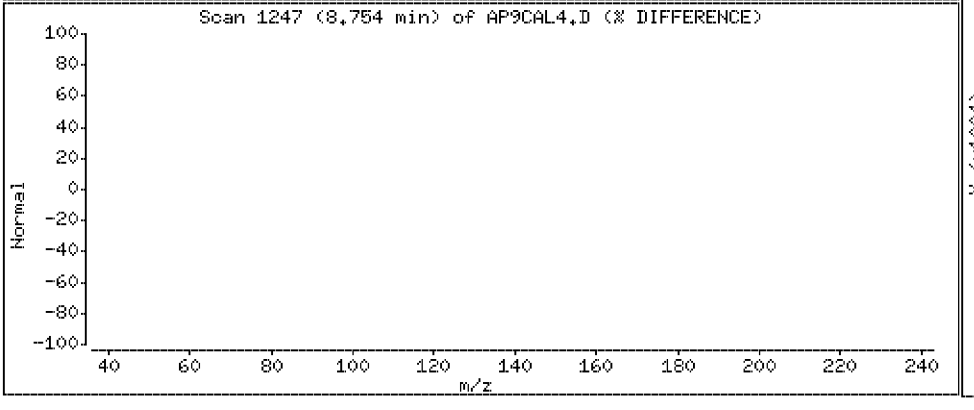
102 Dinoseb

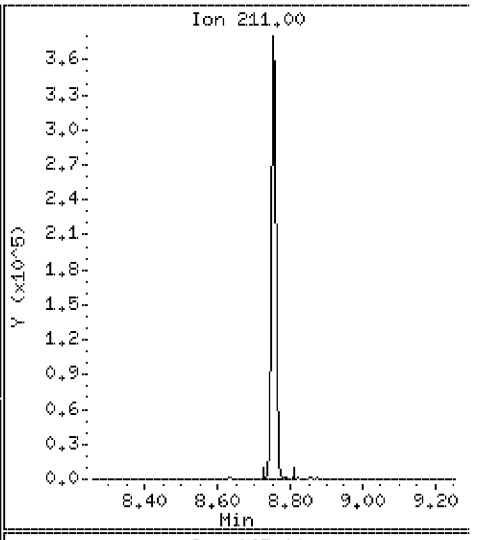
Concentration: 44.6 ug/l

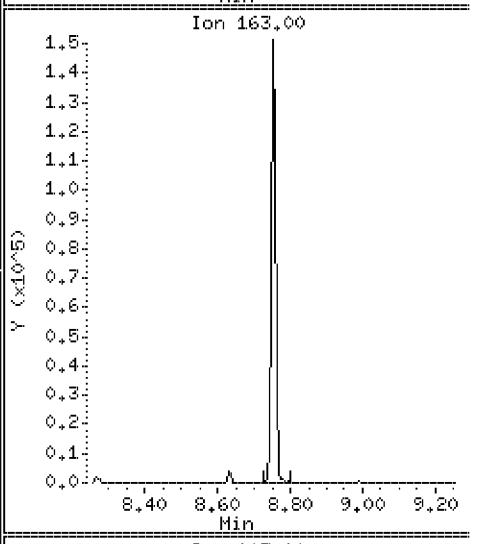


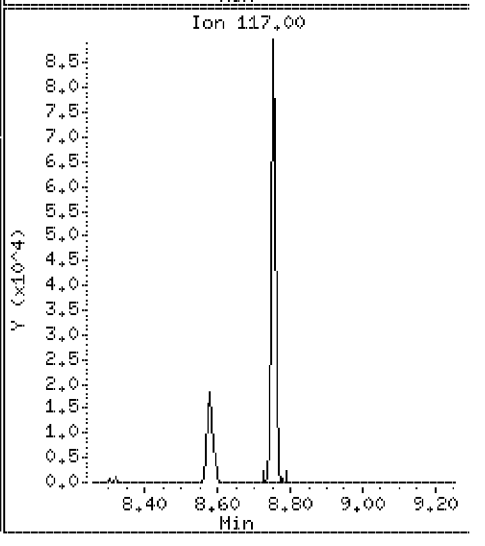












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

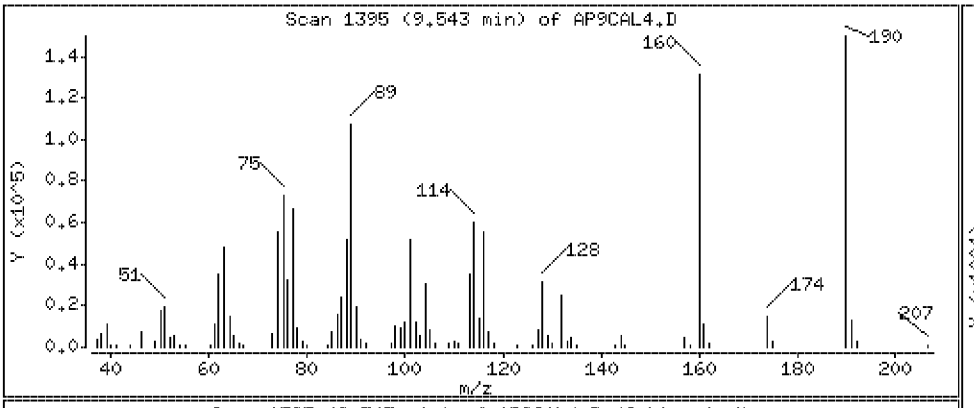
Operator: PEL

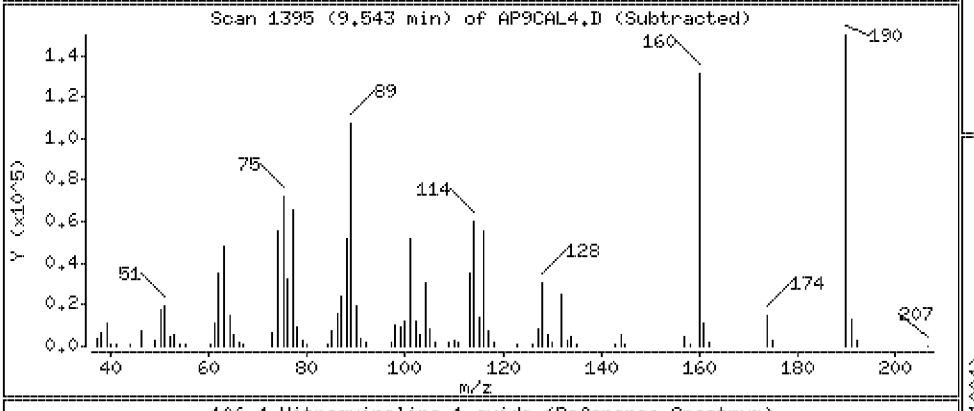
Column phase: HPMS-5

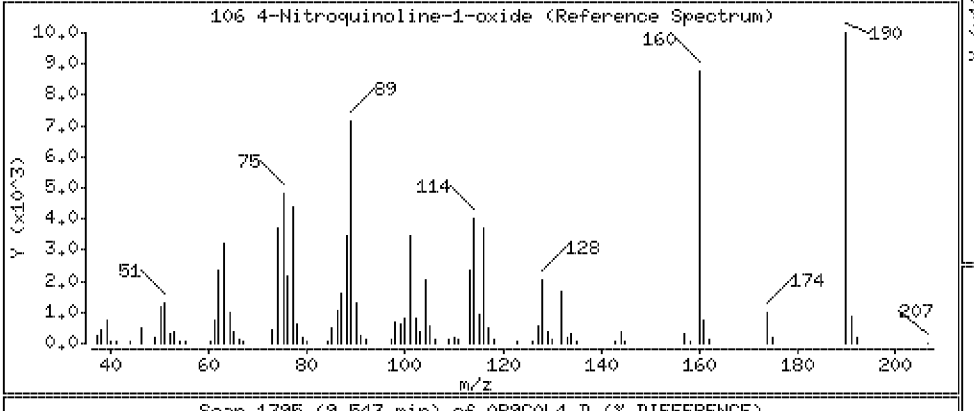
Column diameter: 0.25

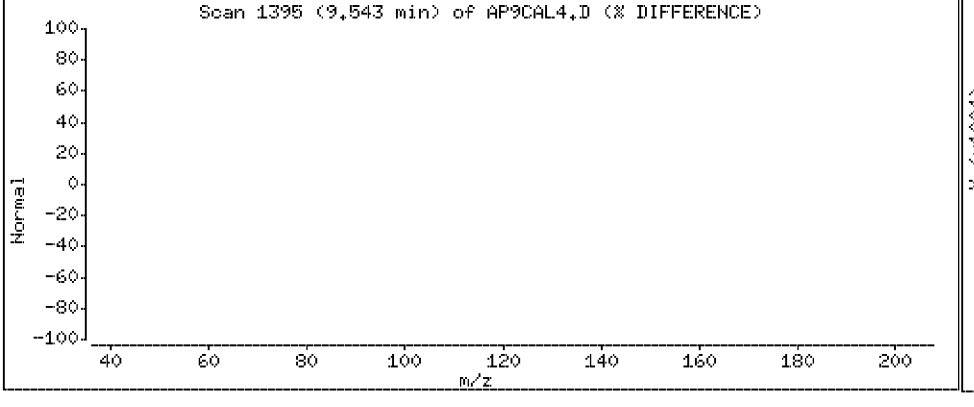
106 4-Nitroquinoline-1-oxide

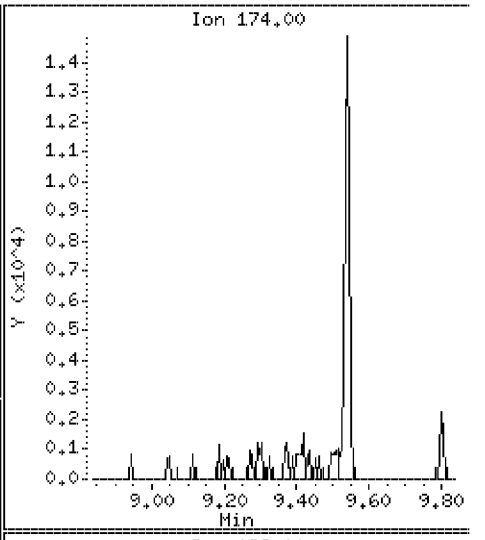
Concentration: 44.6 ug/l

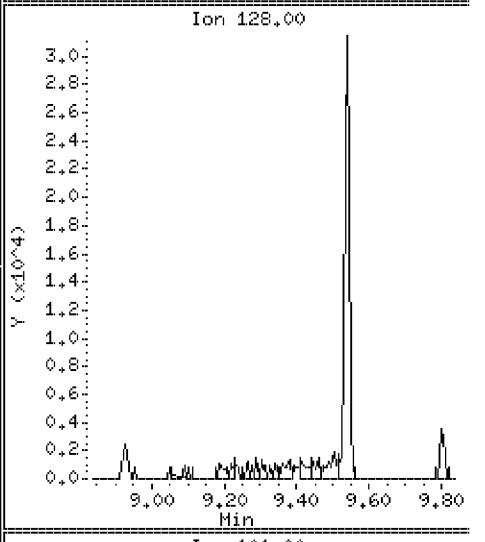


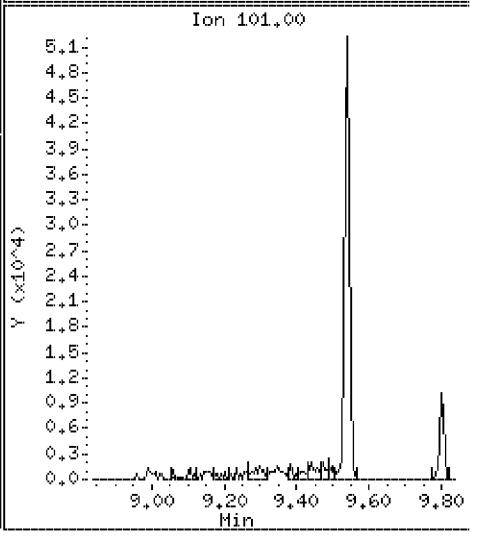












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

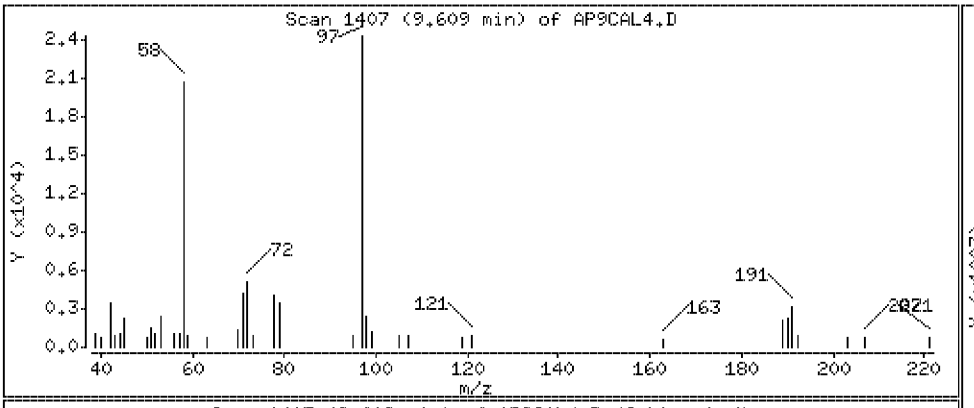
Operator: PEL

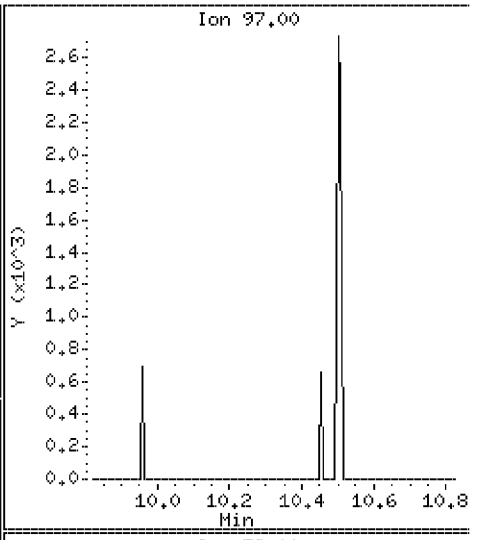
Column phase: HPMS-5

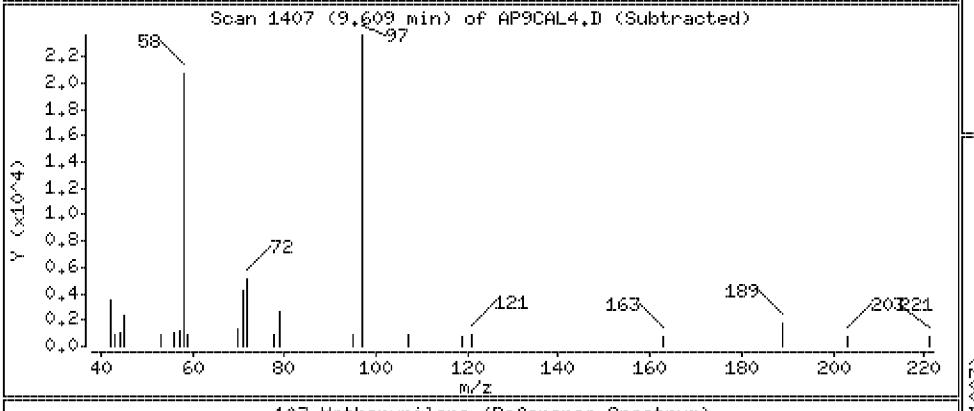
Column diameter: 0.25

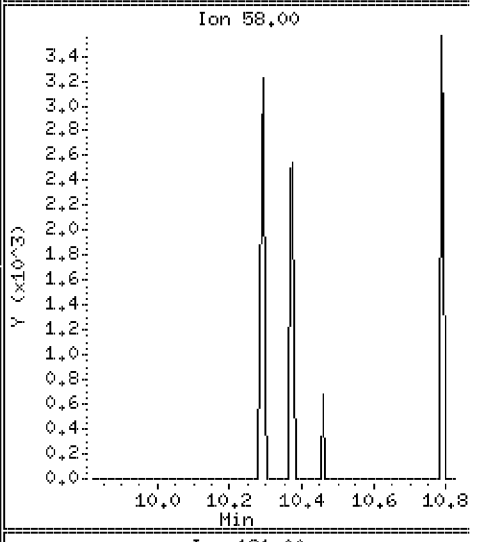
107 Methapyrilene

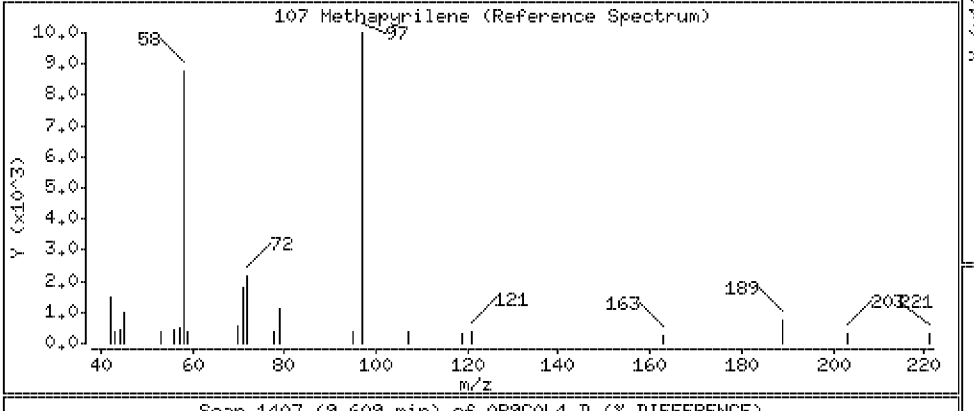
Concentration: 49.3 ug/l

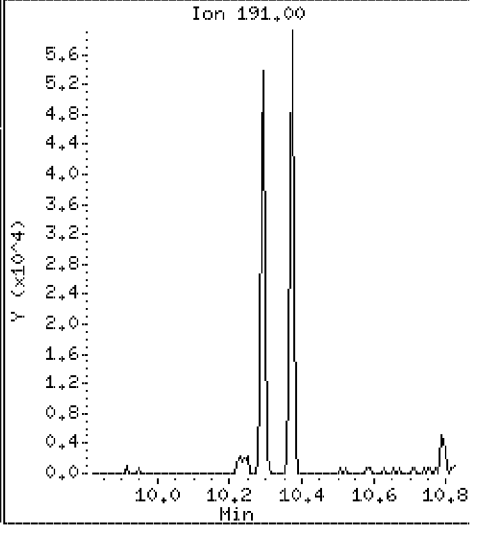


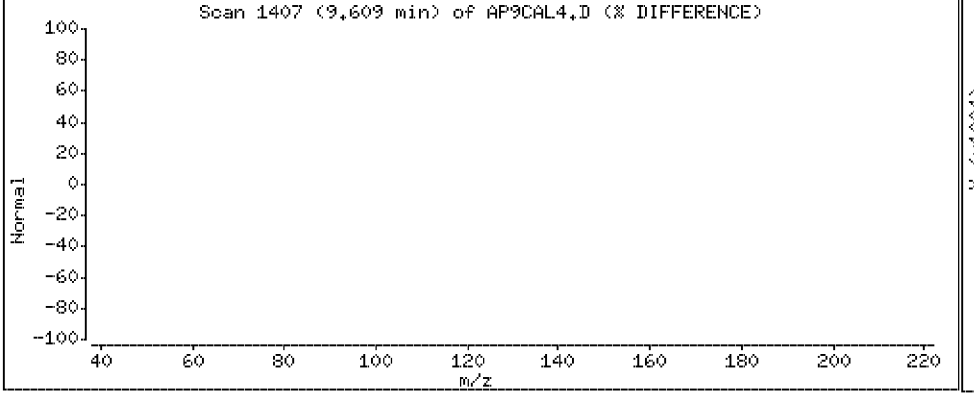












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

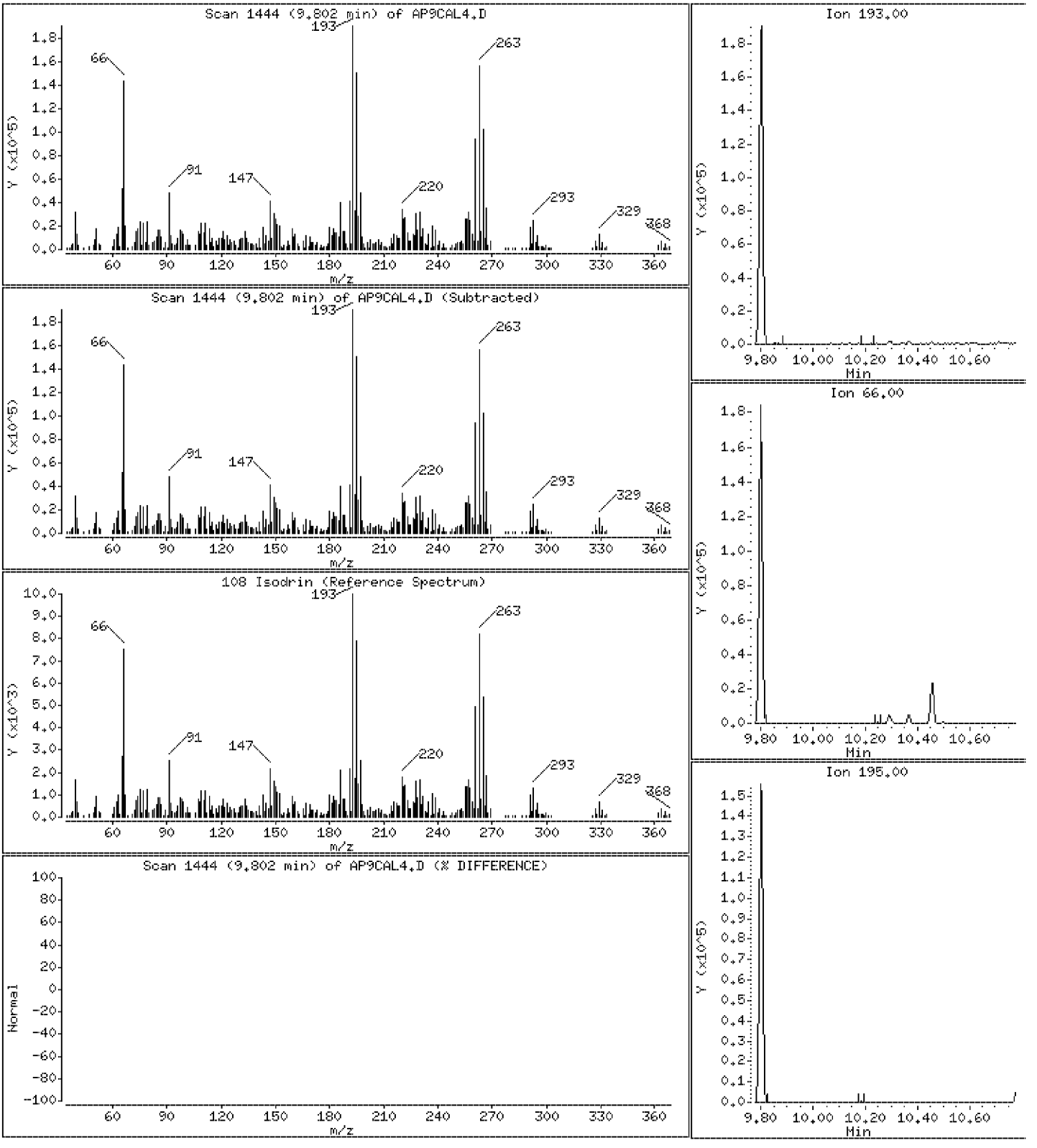
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

108 Isodrin

Concentration: 44.6 ug/l



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Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

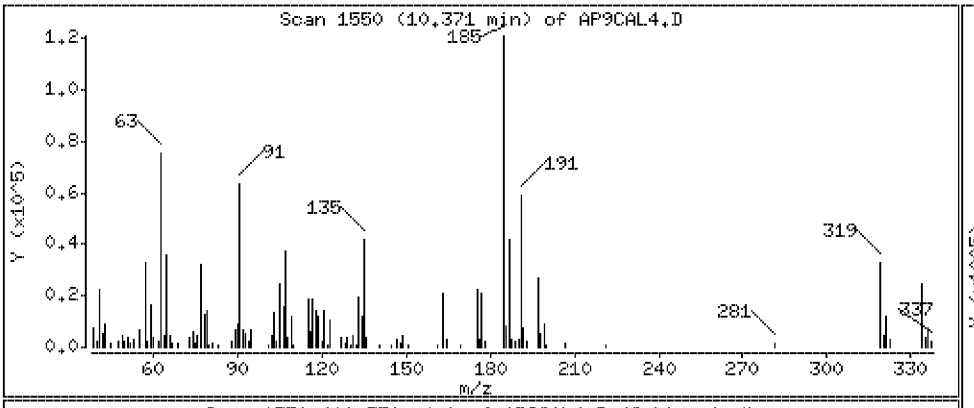
Operator: PEL

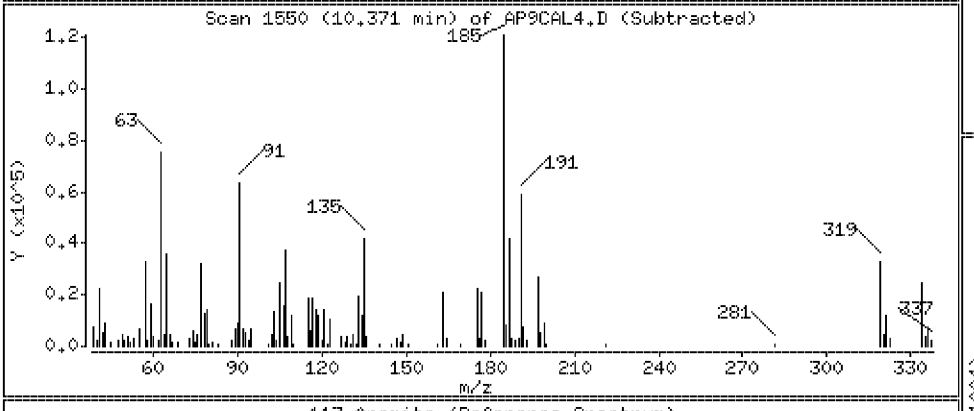
Column phase: HPMS-5

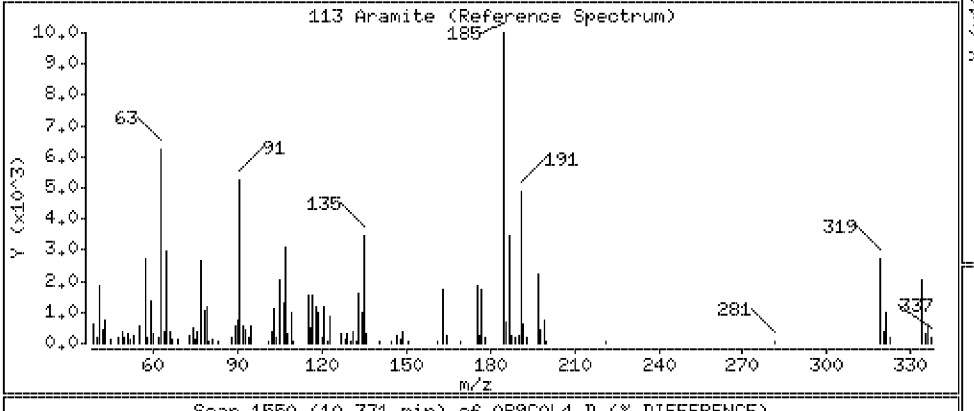
Column diameter: 0.25

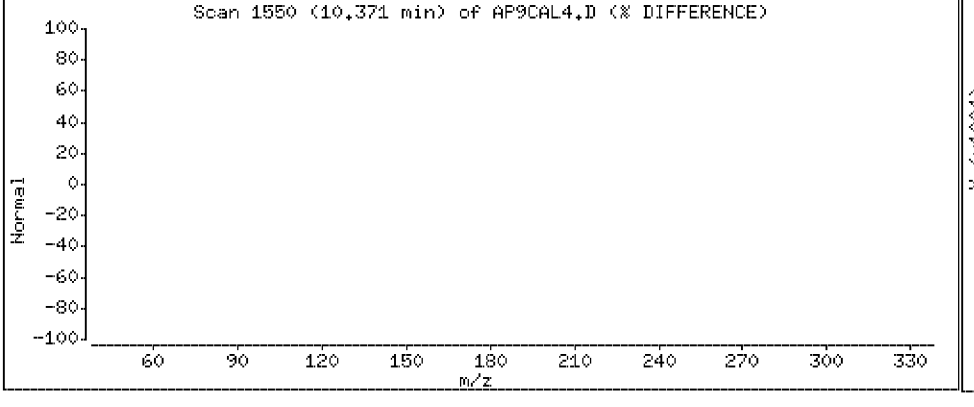
113 Aramite

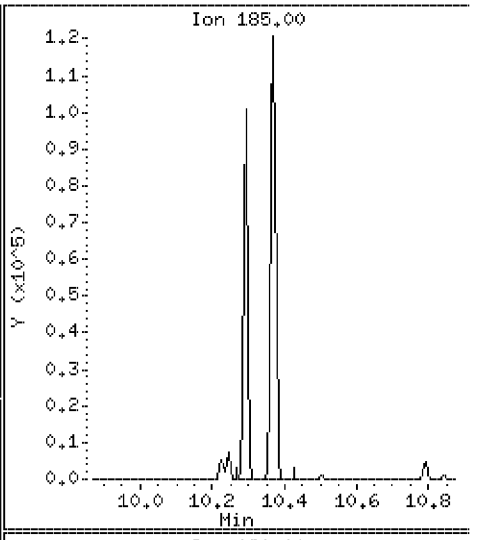
Concentration: 46.4 ug/l

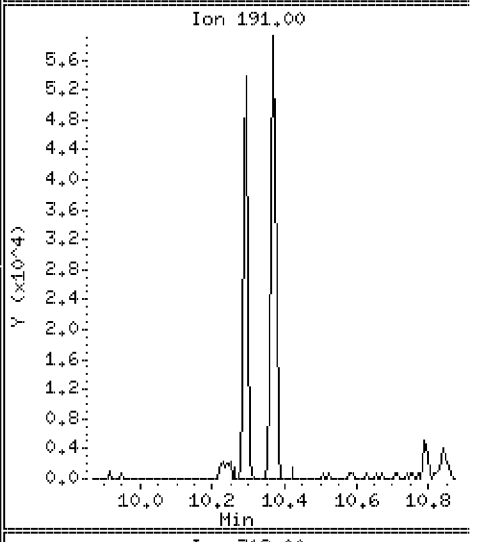


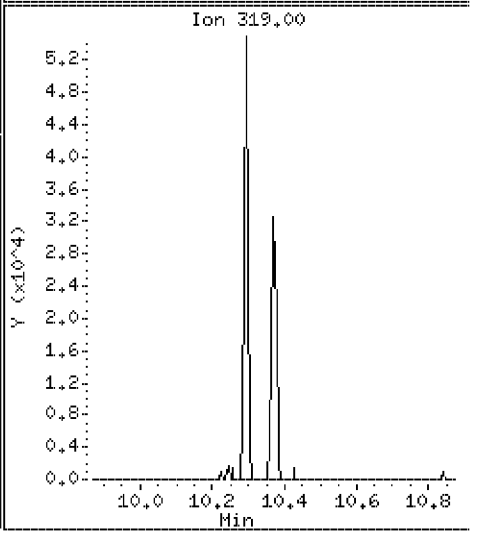












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

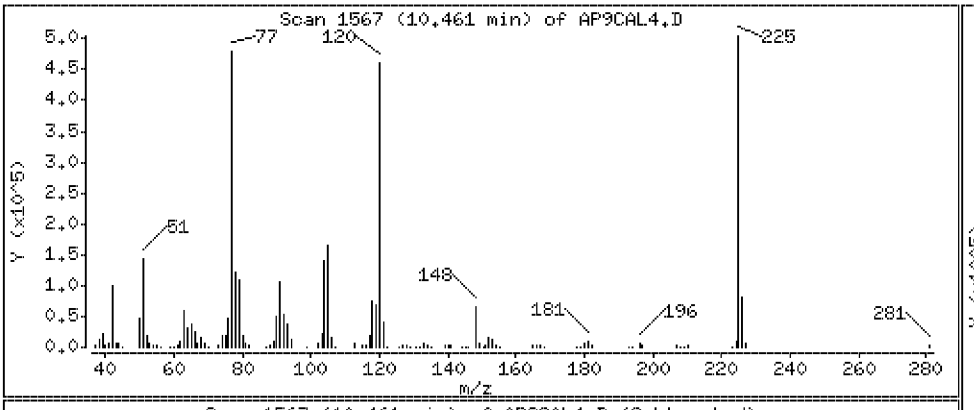
Operator: PEL

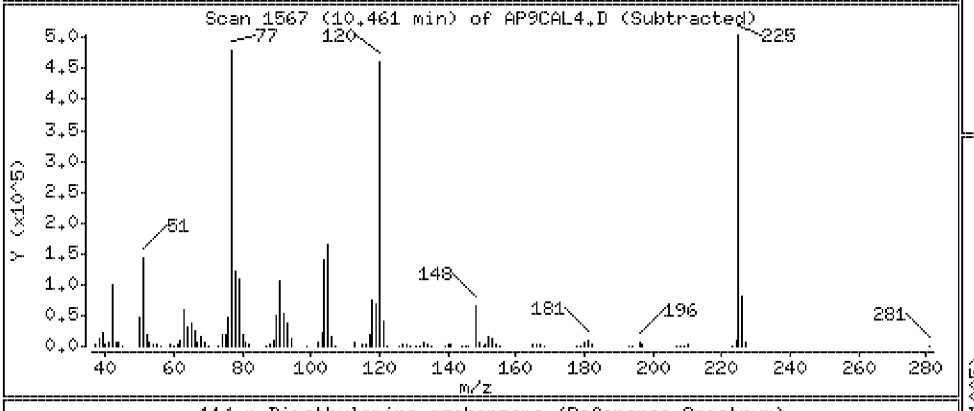
Column phase: HPMS-5

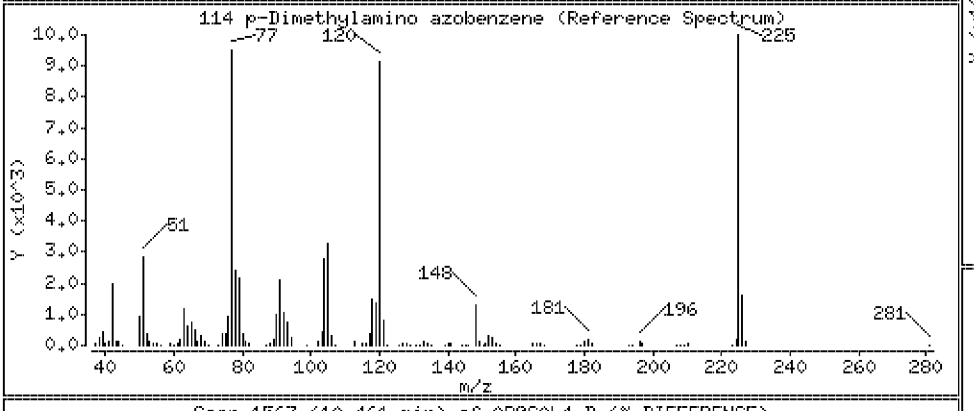
Column diameter: 0.25

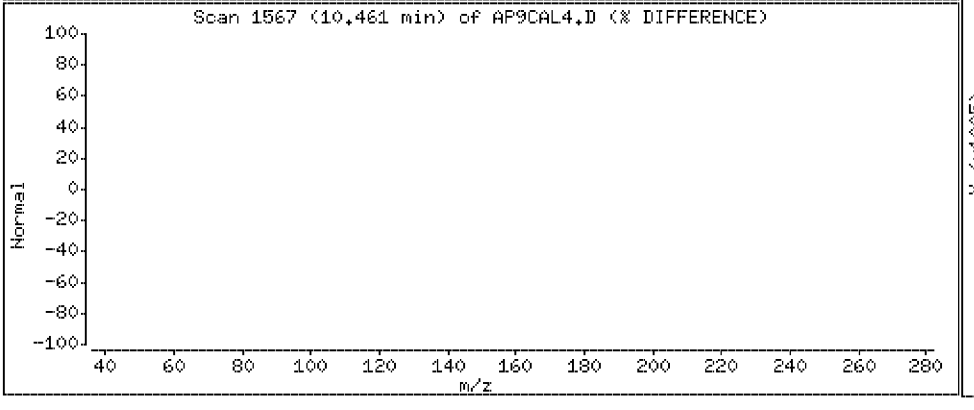
114 p-Dimethylamino azobenzene

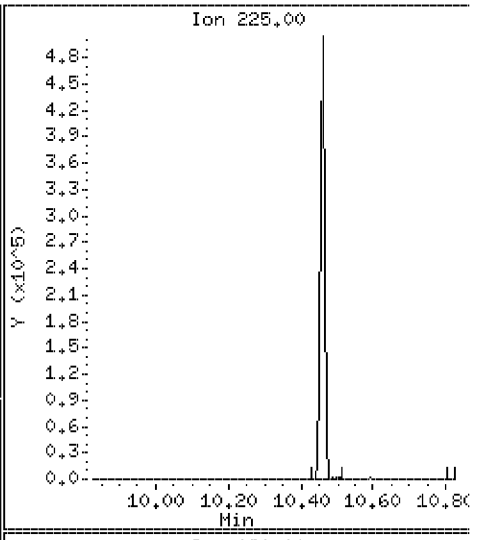
Concentration: 45.9 ug/l

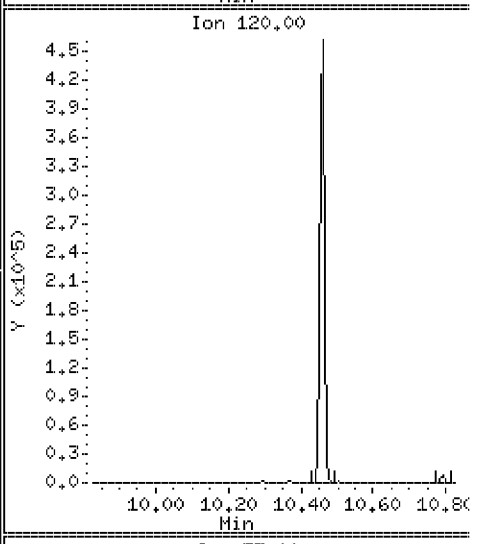


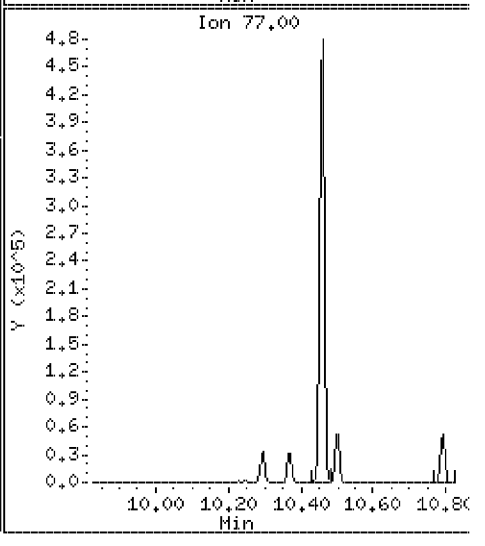












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

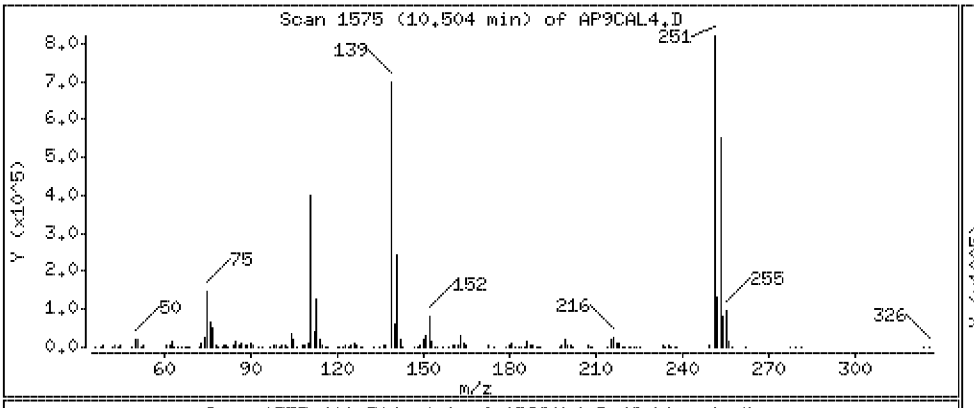
Operator: PEL

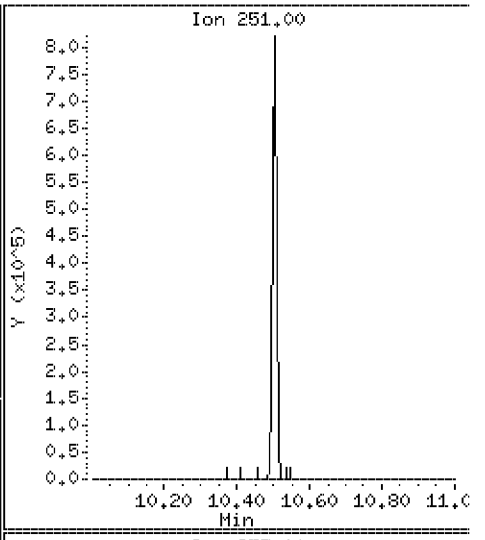
Column phase: HPMS-5

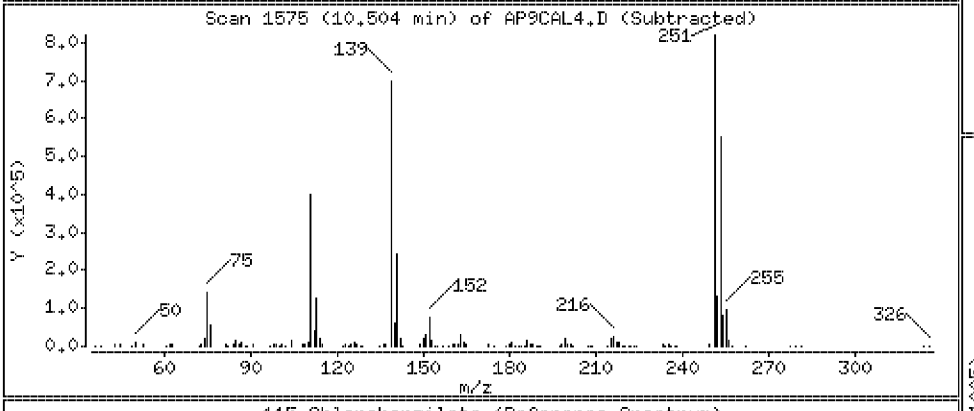
Column diameter: 0.25

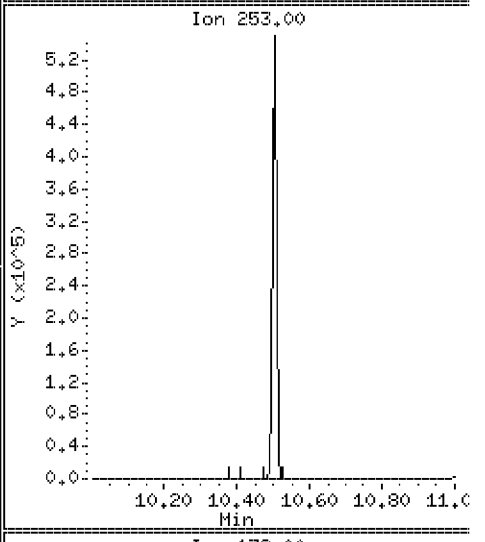
115 Chlorobenzilate

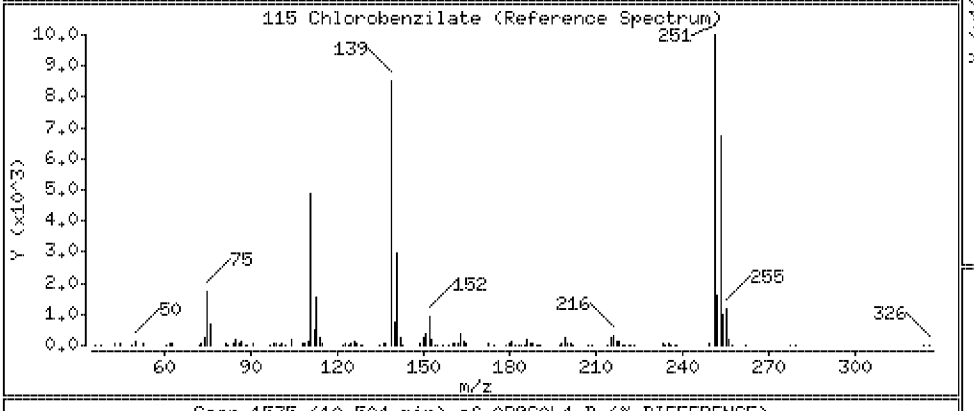
Concentration: 45.6 ug/l

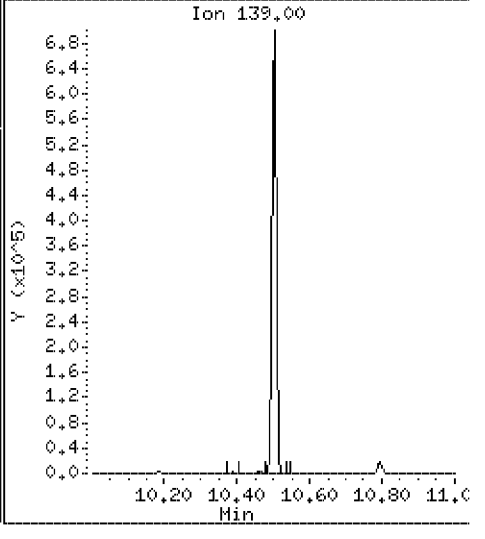


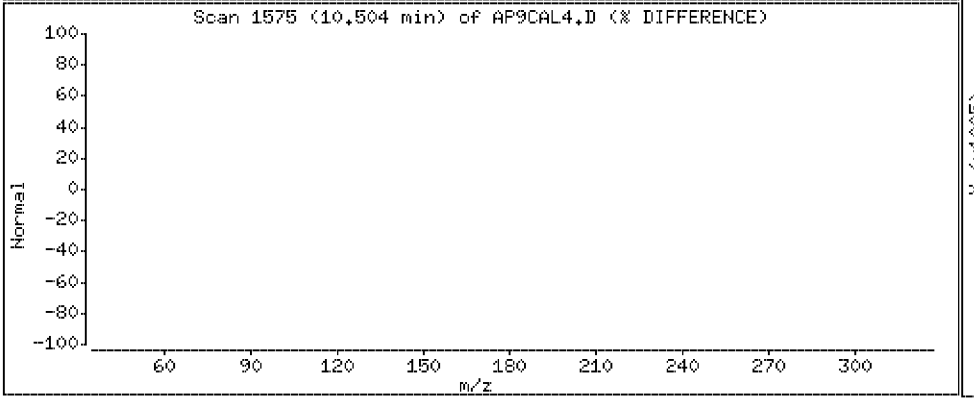












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

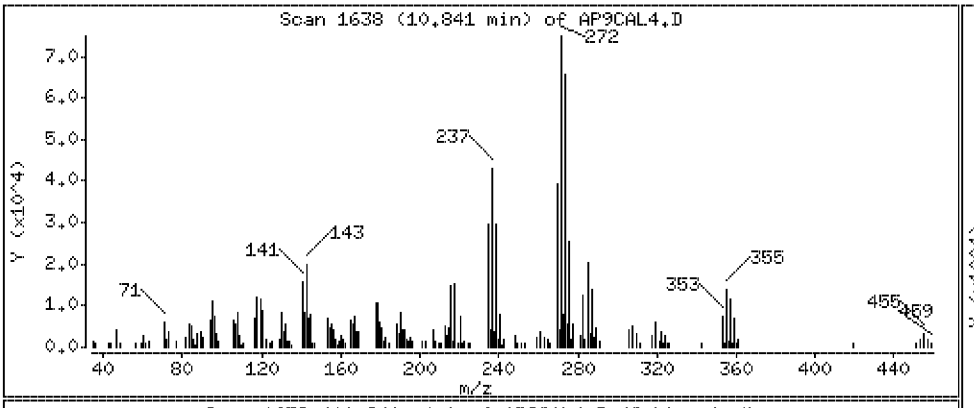
Operator: PEL

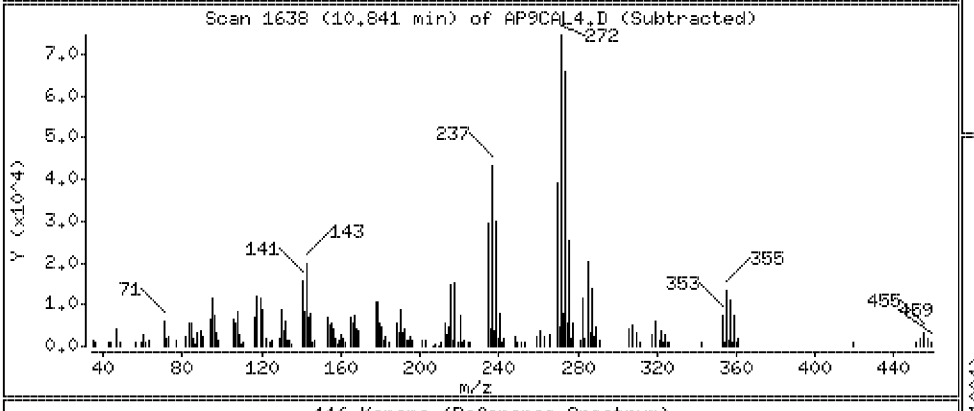
Column phase: HPMS-5

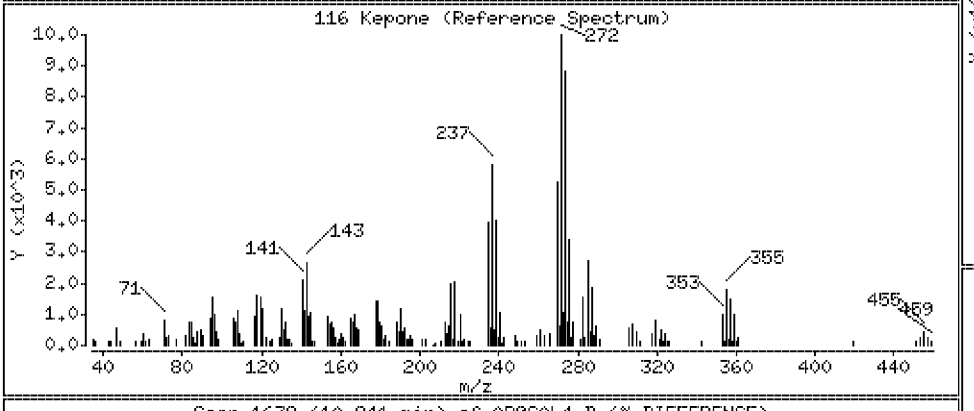
Column diameter: 0.25

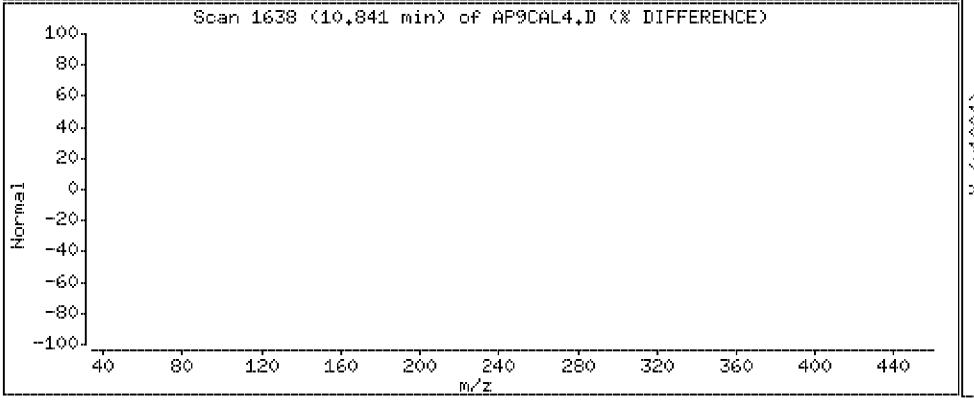
116 Kepone

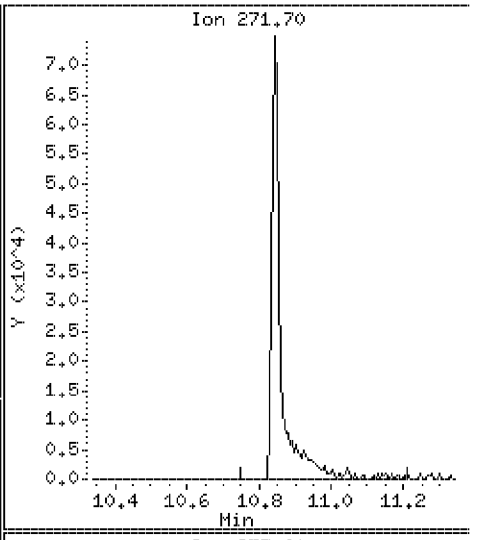
Concentration: 49.0 ug/l

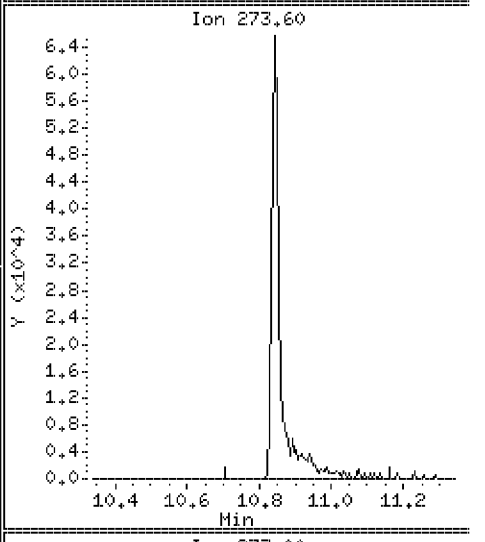


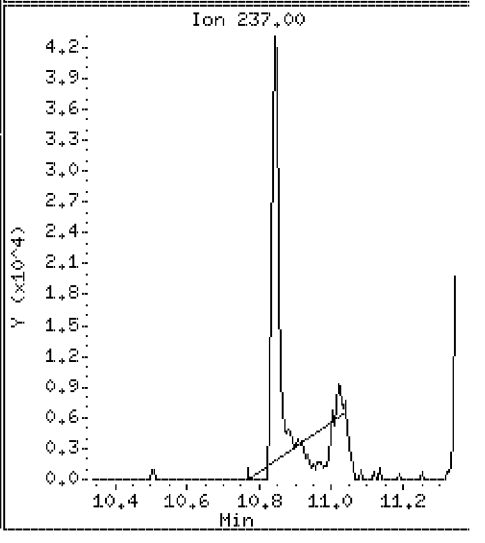












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

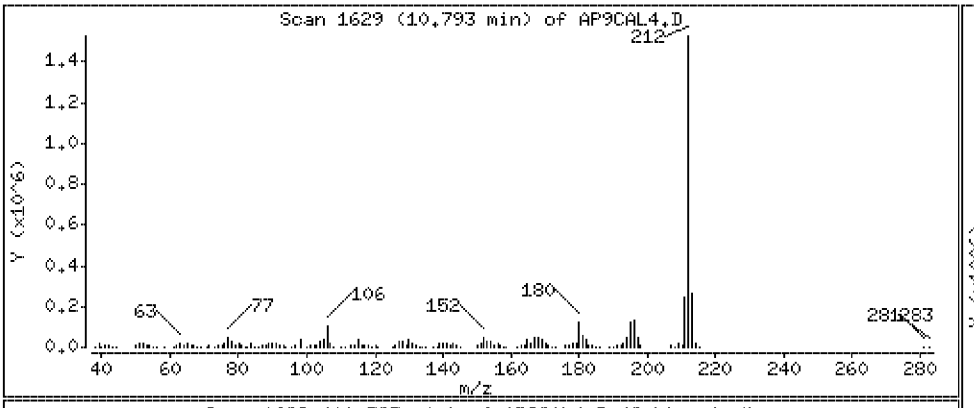
Operator: PEL

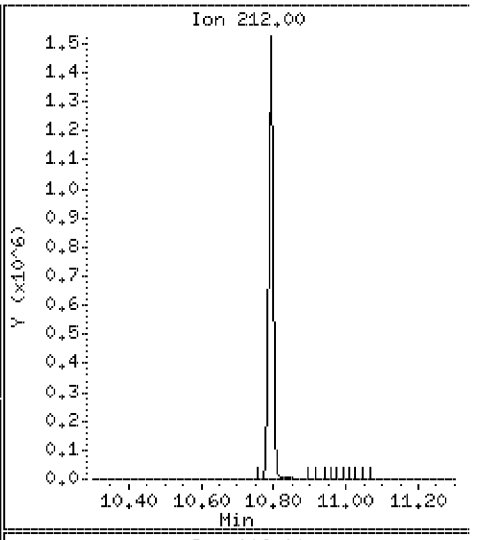
Column phase: HPMS-5

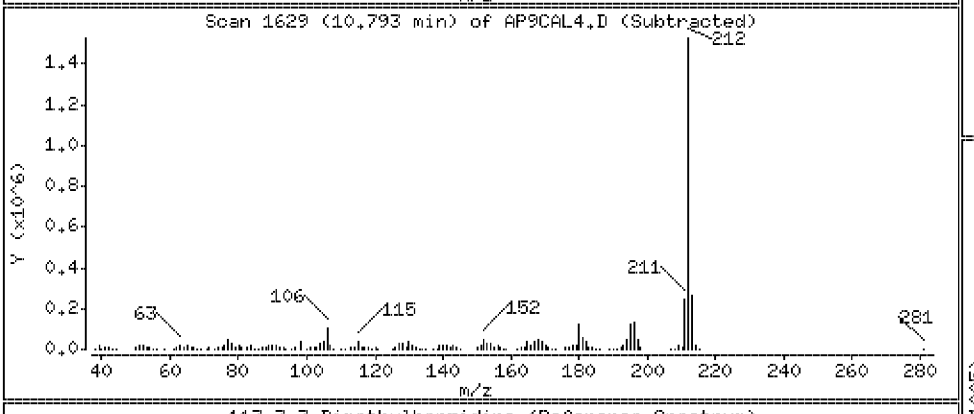
Column diameter: 0.25

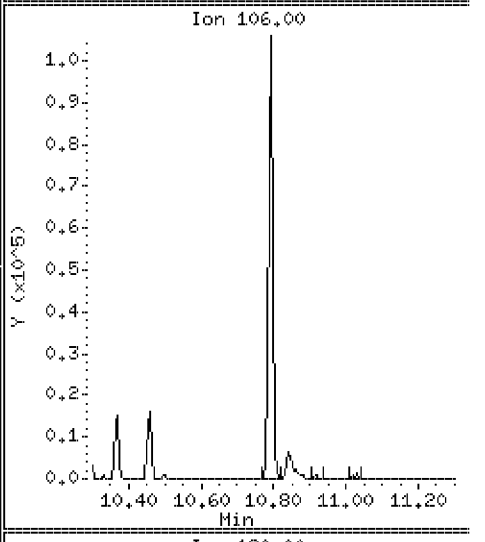
117 3,3-Dimethylbenzidine

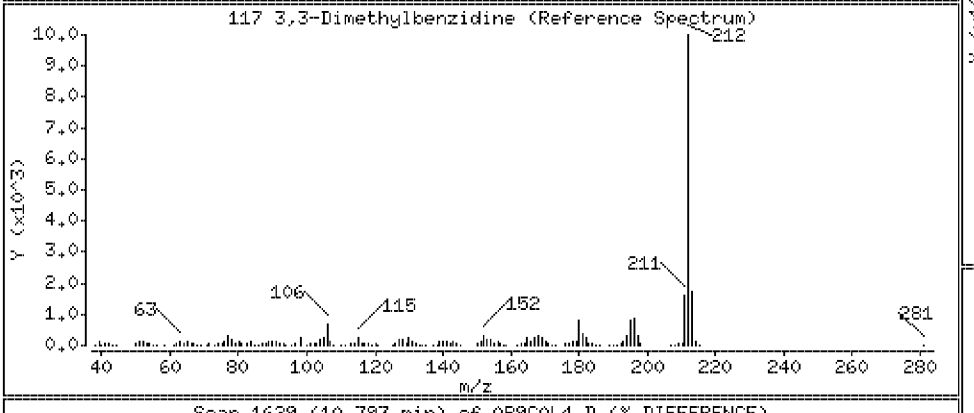
Concentration: 47.4 ug/l

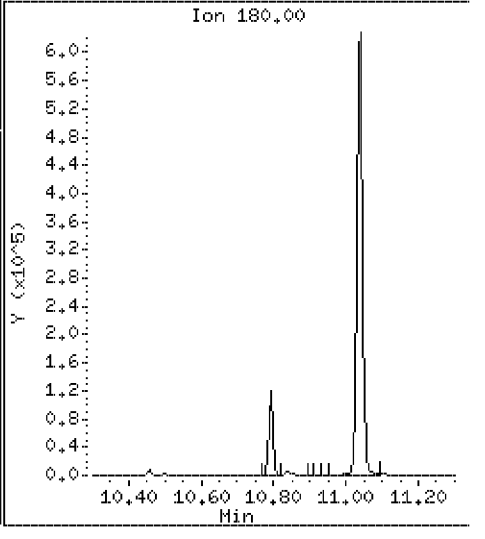


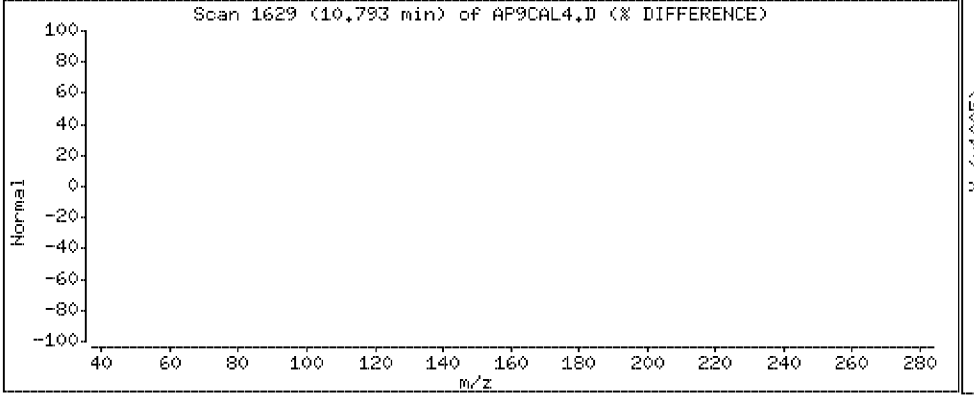












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

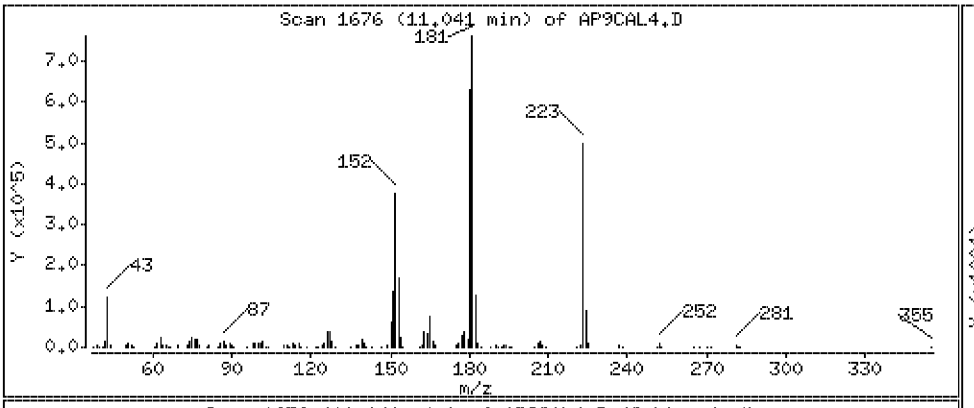
Operator: PEL

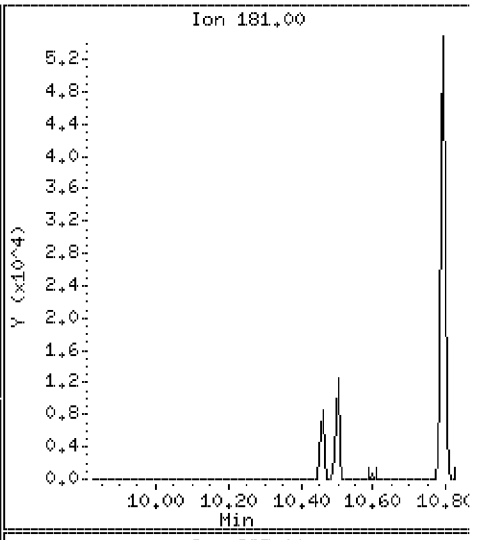
Column phase: HPMS-5

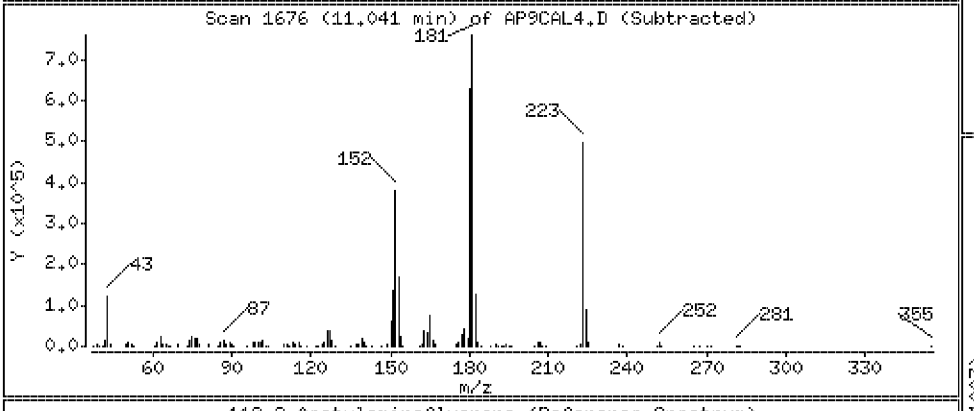
Column diameter: 0.25

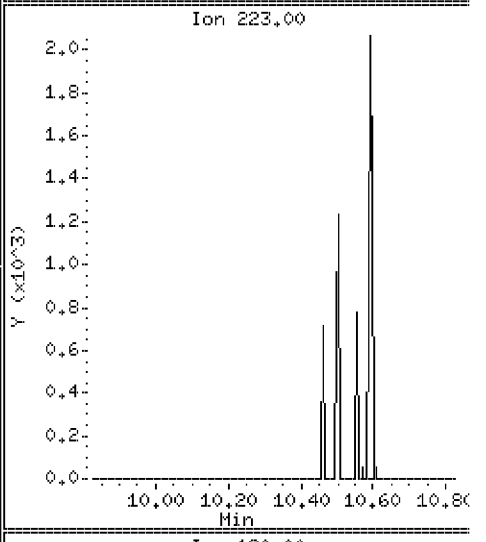
119 2-Acetylaminofluorene

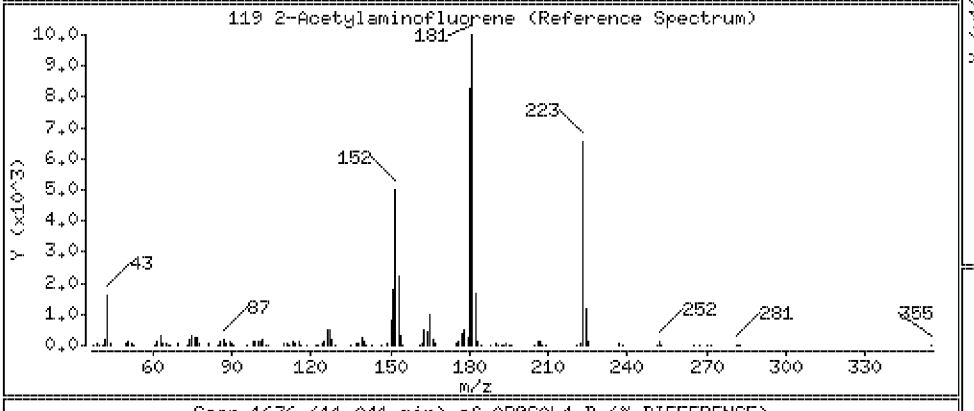
Concentration: 46.9 ug/l

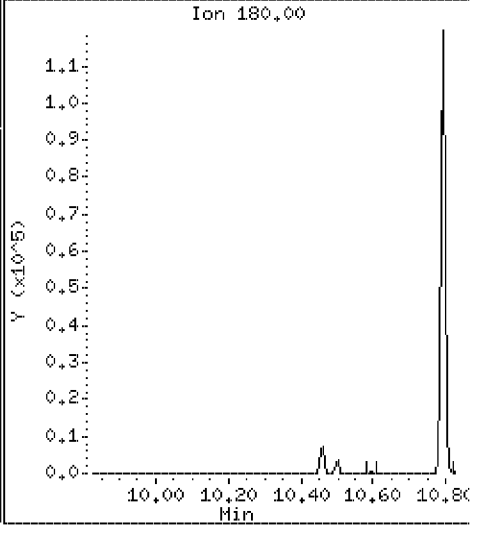


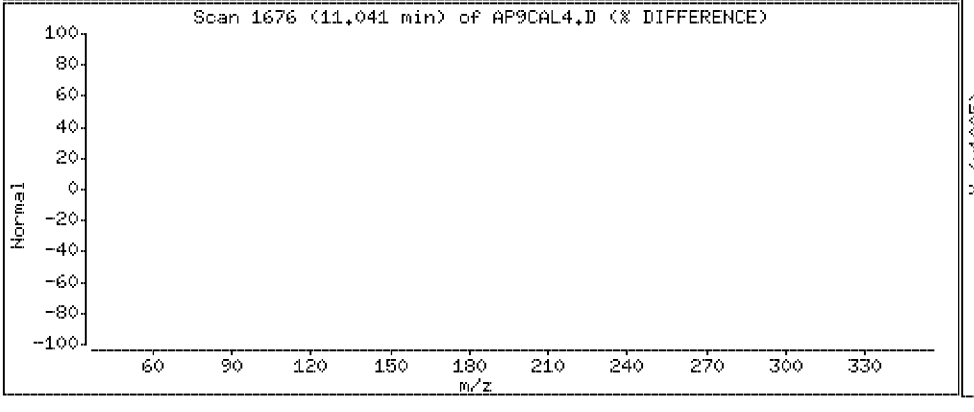












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

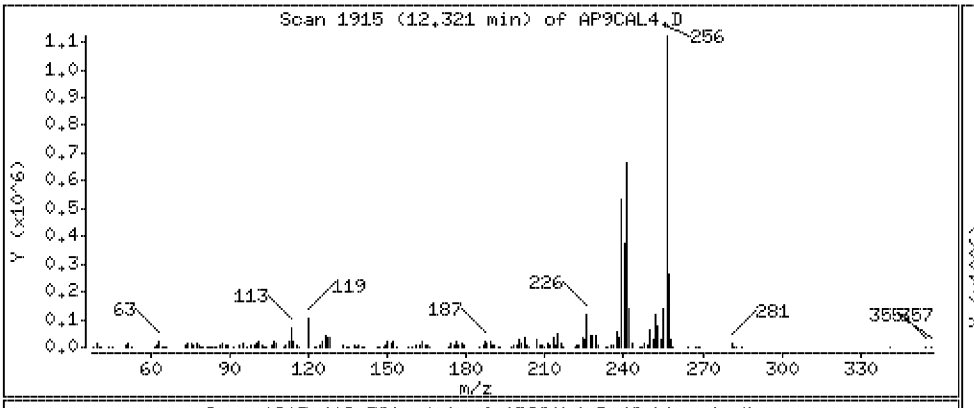
Operator: PEL

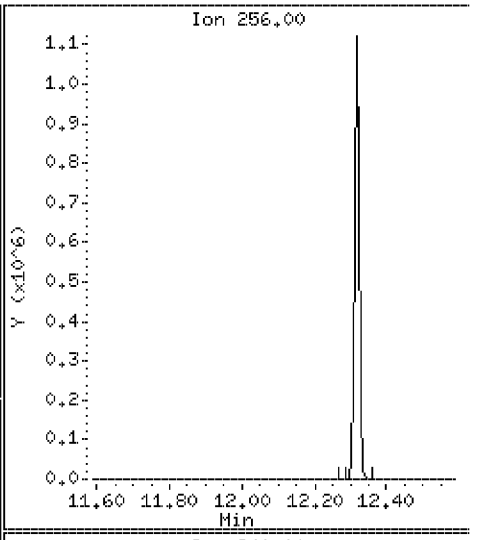
Column phase: HPMS-5

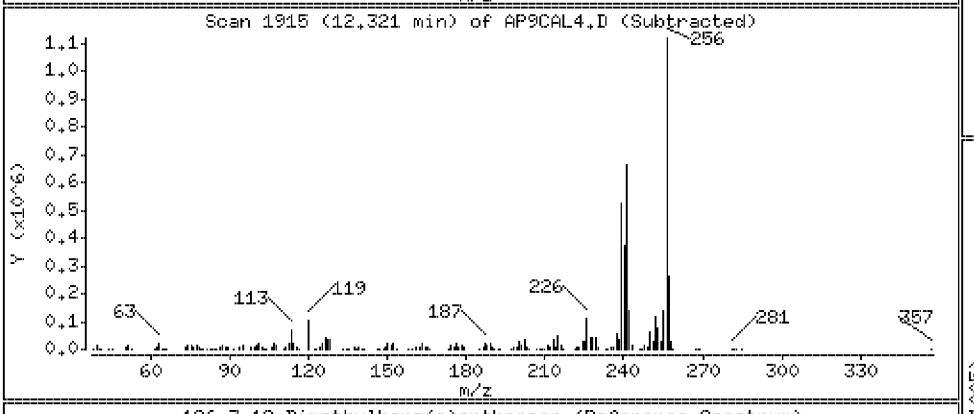
Column diameter: 0.25

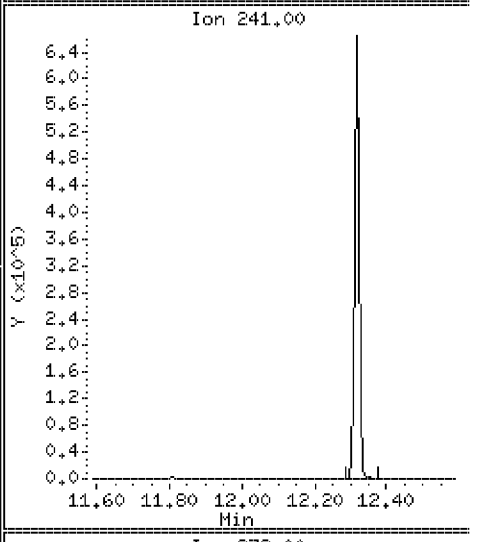
126 7,12-Dimethylbenz(a)anthracen

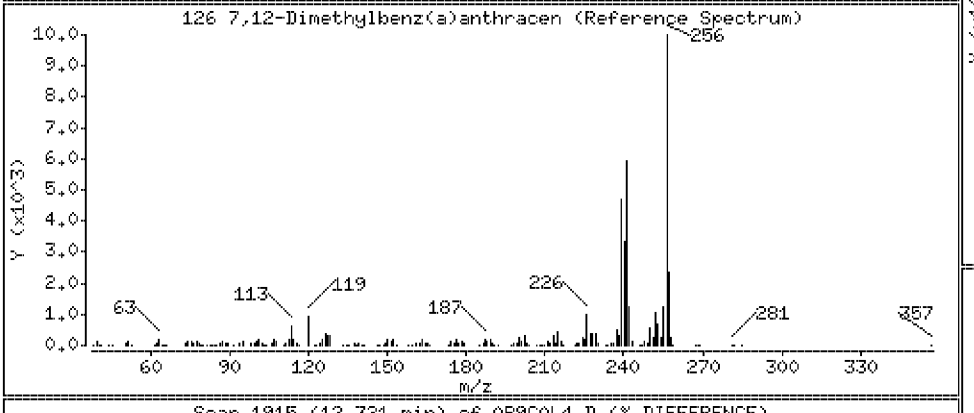
Concentration: 45.5 ug/l

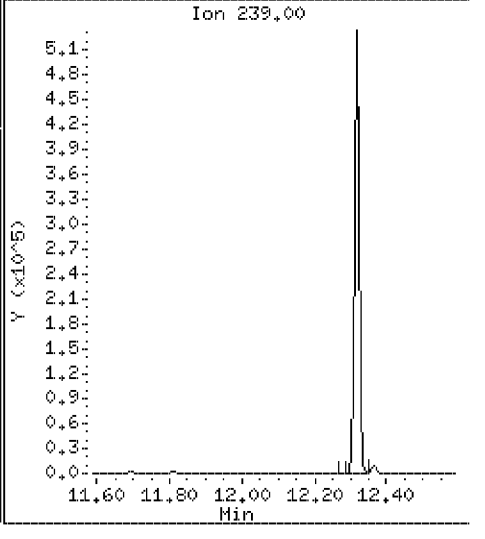


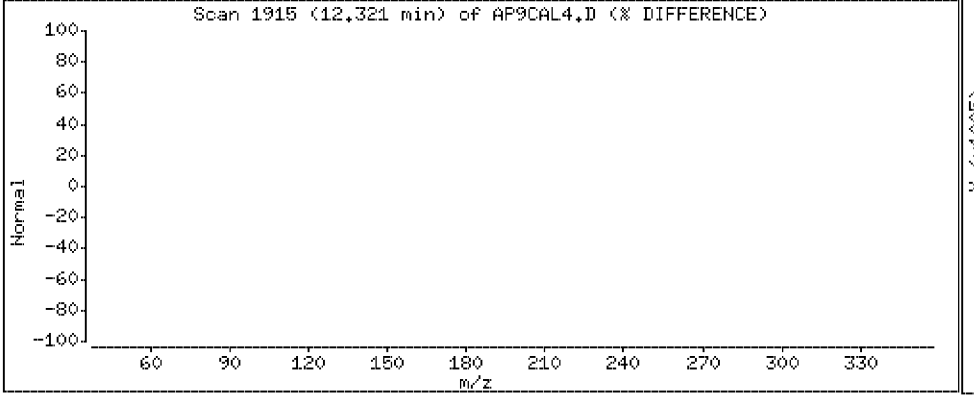












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL4.D

Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

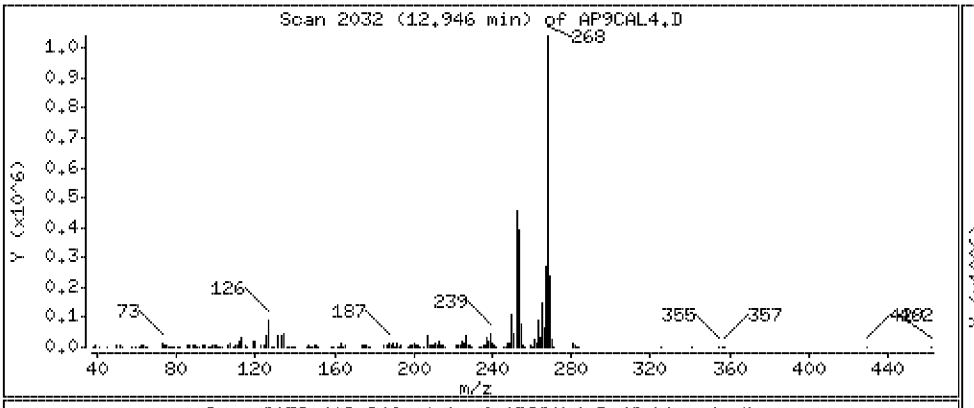
Operator: PEL

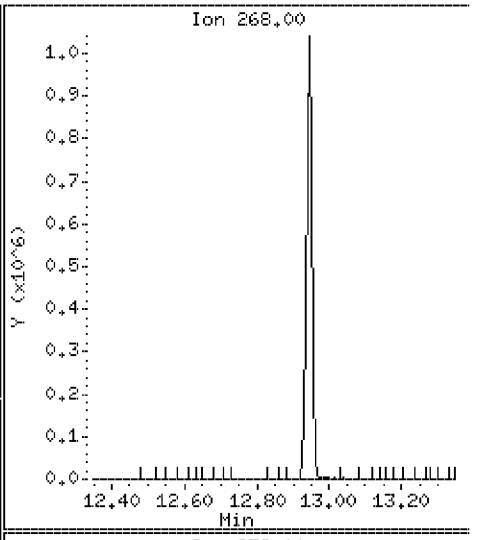
Column phase: HPMS-5

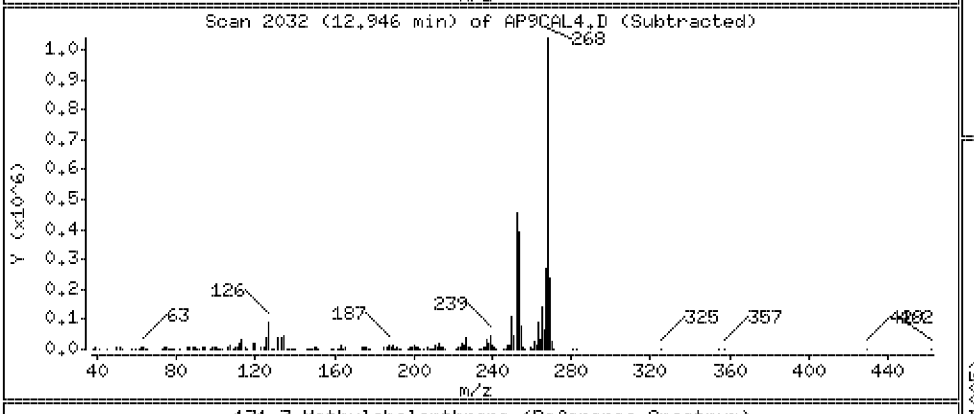
Column diameter: 0.25

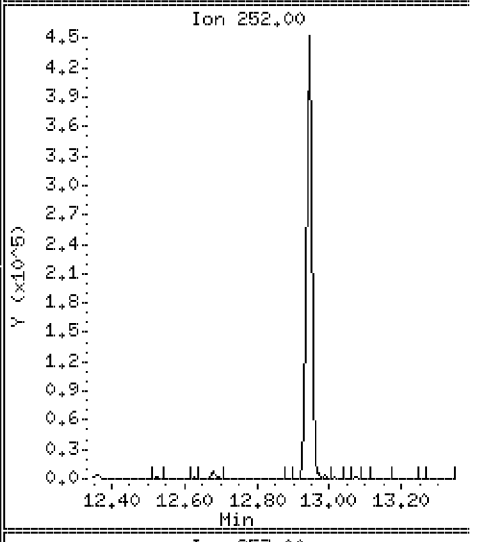
131 3-Methylcholanthrene

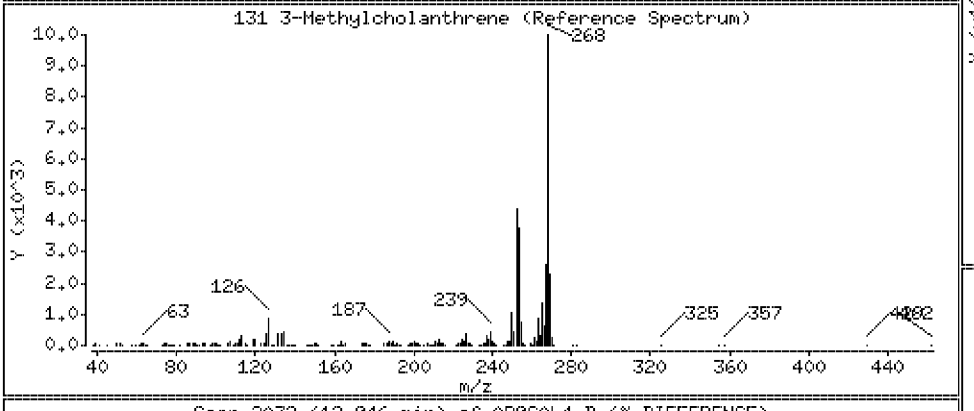
Concentration: 45.7 ug/l

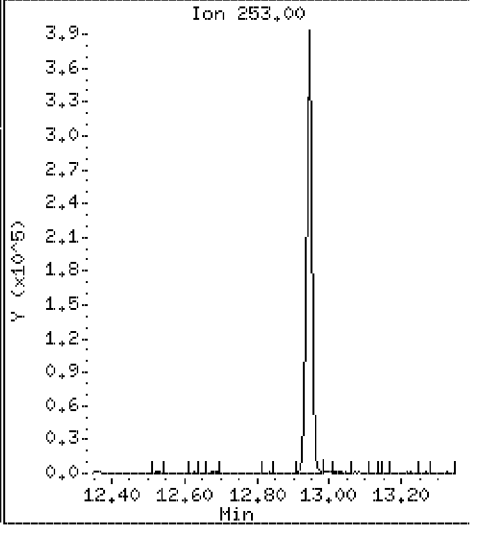


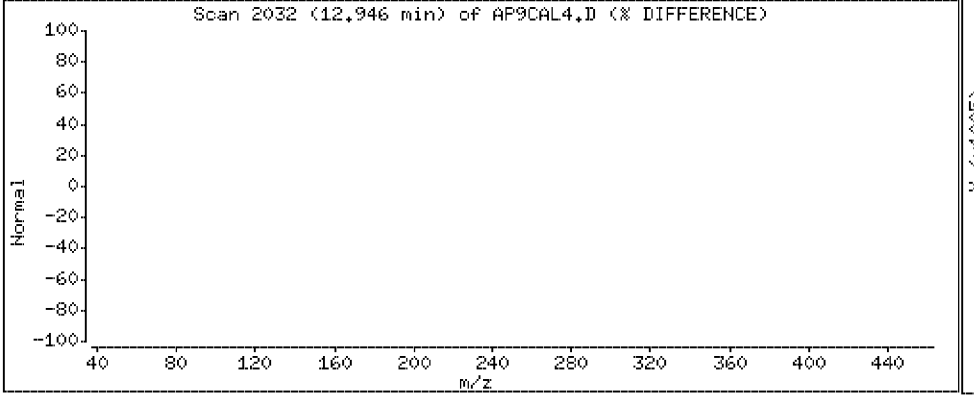












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Date : 23-APR-2012 18:17

Client ID: AP9CAL4

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

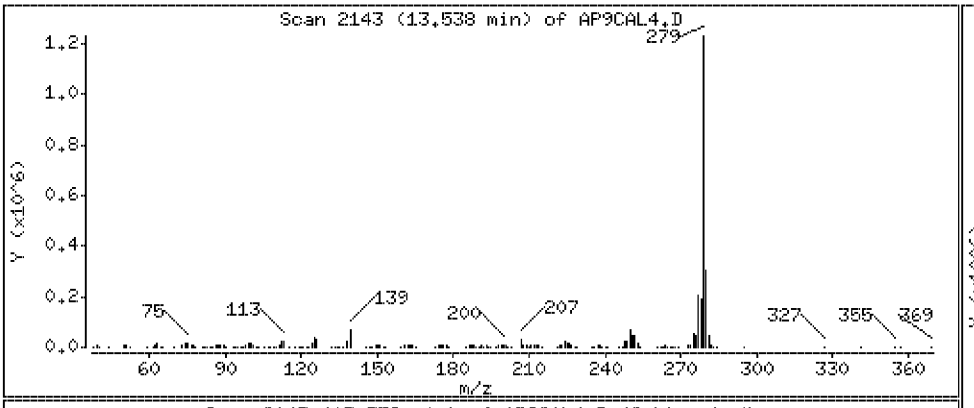
Operator: PEL

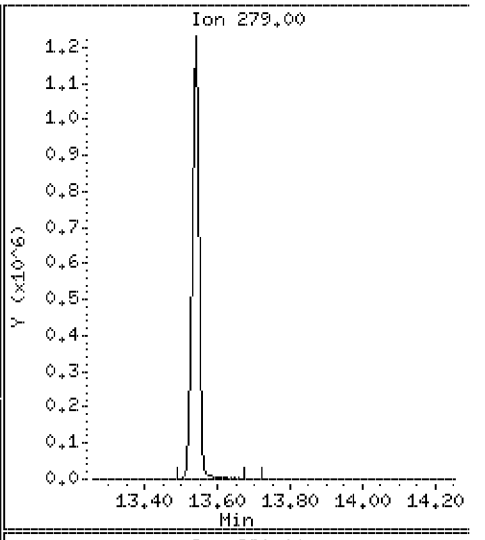
Column phase: HPMS-5

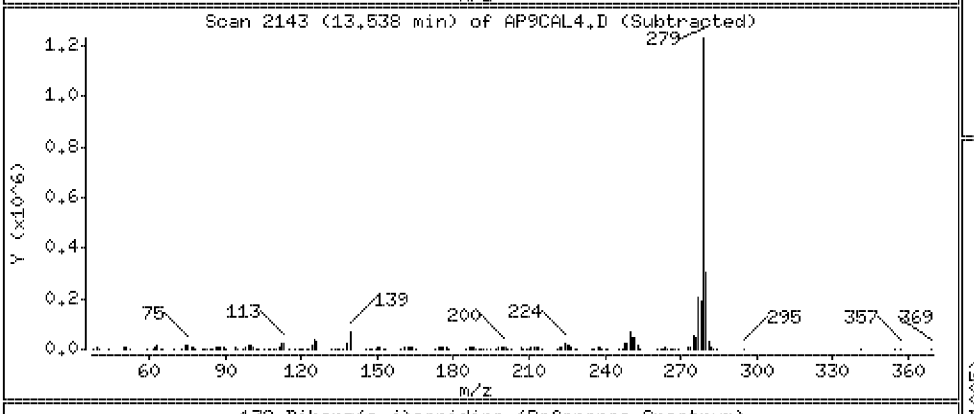
Column diameter: 0.25

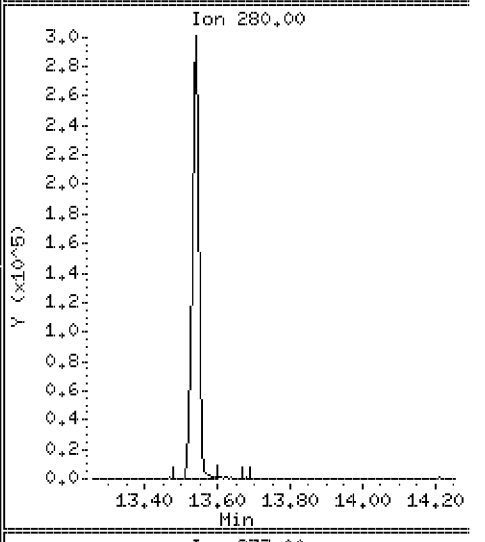
132 Dibenz(a,j)acridine

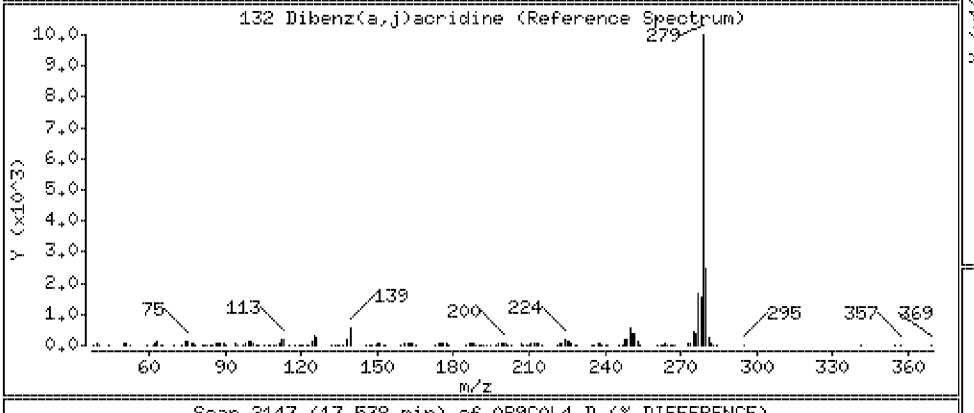
Concentration: 46.5 ug/l

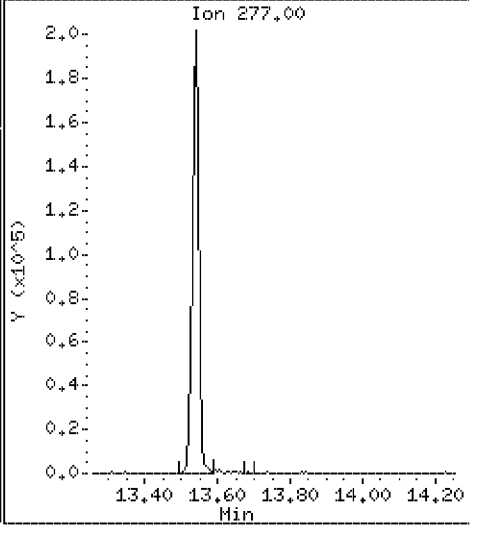


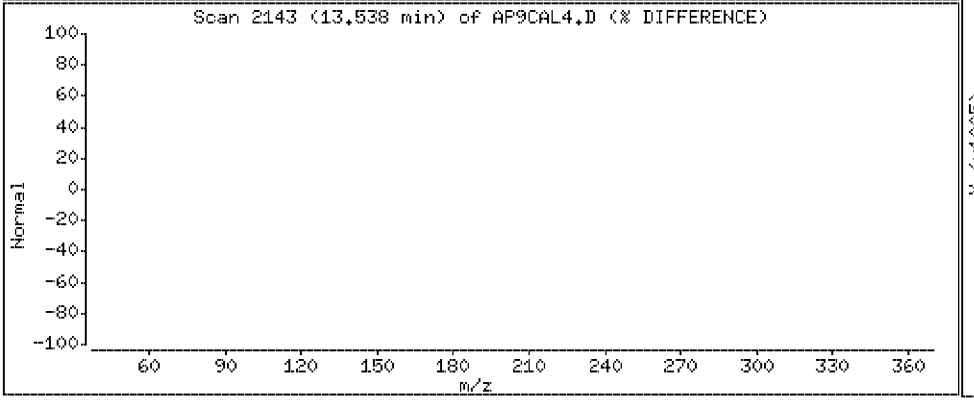












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D
Lab Smp Id: 45959 Client Smp ID: AP9CAL3
Inj Date : 23-APR-2012 18:41 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45959
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:53 Cal File: AP9CAL5.D
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.933	3.382 (0.660)		93	207553	20.0000	19.9	70.00- 130.00	100.00
2.933	3.382 (0.660)		66	103940			46.98- 106.98	50.08
2.933	3.382 (0.660)		92	50517			941.44-1001.44	24.34
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.005	3.005 (0.676)		88	90446	20.0000	20.3	80.00- 120.00	100.00
3.007	3.005 (0.676)		43	43524			16.66- 76.66	48.12
3.006	3.005 (0.676)		42	89782			75.28- 135.28	99.27
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.238	3.383 (0.728)		80	147555	20.0000	20.0	70.00- 130.00	100.00
3.238	3.383 (0.728)		79	86145			41.30- 101.30	58.38
3.237	3.383 (0.728)		65	40358			390.98- 450.98	27.35
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.551	3.383 (0.799)		102	85880	20.0000	19.5	70.00- 130.00	100.00
3.551	3.383 (0.799)		42	61212			4947.35-5007.35	71.28
3.551	3.383 (0.799)		57	38193			172953.97-173013.97	44.47
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.787	4.446 (0.852)		79	156616	20.0000	20.5	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.787	4.446 (0.852)		109	78646			103.08- 163.08	50.22
3.787	4.446 (0.852)		97	28981			71.09- 131.09	18.50
	12 Pentachloroethane						CAS #: 76-01-7	
4.207	4.207 (0.946)		167	85445	20.0000	19.6	80.00- 120.00	100.00
4.207	4.207 (0.946)		117	61574			42.54- 102.54	72.06
4.207	4.207 (0.946)		130	37445			11.81- 71.81	43.82
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.446	4.448 (1.000)		152	285053	40.0000		80.00- 120.00	100.00
4.445	4.448 (1.000)		115	185397			32.20- 92.20	65.04
4.446	4.448 (1.000)		150	428296			139.77- 199.77	150.25
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.782	4.944 (1.075)		100	90244	20.0000	19.4	70.00- 130.00	100.00
4.781	4.944 (1.075)		41	62964			349.38- 409.38	69.77
4.782	4.944 (1.075)		42	53194			7836.39-7896.39	58.94
	25 Acetophenone						CAS #: 98-86-2	
4.799	4.807 (0.856)		105	256175	20.0000	18.3	70.00- 130.00	100.00
4.798	4.807 (0.856)		77	272645			4410.01-4470.01	106.43
4.798	4.807 (0.856)		51	65446			1262.06-1322.06	25.55
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.812	4.446 (1.082)		56	94277	20.0000	19.8	70.00- 130.00	100.00
4.813	4.446 (1.083)		116	32639			116.25- 176.25	34.62
4.812	4.446 (1.082)		86	63233			171.65- 231.65	67.07
	29 o-Toluidine						CAS #: 95-53-4	
4.832	4.814 (1.087)		106	295355	20.0000	19.5	70.00- 130.00	100.00
4.831	4.814 (1.087)		77	70174			36058.41-36118.41	23.76
4.832	4.814 (1.087)		107	213715			76505.71-76565.71	72.36
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.094	4.798 (0.908)		114	78272	20.0000	18.4	70.00- 130.00	100.00
5.093	4.798 (0.908)		42	93253			3934.42-3994.42	119.14
5.093	4.798 (0.908)		55	49473			491.51- 551.51	63.21
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.336	5.338 (1.200)		198	128368	20.0000	18.7	80.00- 120.00	100.00
5.336	5.338 (1.200)		97	90444			34.93- 94.93	70.46
5.335	5.338 (1.200)		65	72036			24.79- 84.79	56.12
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.437	5.370 (0.970)		58	299269	20.0000	20.0	70.00- 130.00	100.00(M)
5.443	5.370 (0.971)		91	102388			64.34- 124.34	34.21
5.437	5.370 (0.970)		65	60684			12409.05-12469.05	20.28
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.607	5.610 (1.000)		136	980676	40.0000		80.00- 120.00	100.00
5.606	5.610 (1.000)		68	52113			0.00- 35.51	5.31

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	46 2,6-Dichlorophenol					CAS #: 87-65-0		
5.689	5.691 (1.015)	162	156844	20.0000		19.1	70.00- 130.00	100.00
5.689	5.691 (1.014)	63	117593				8424.37-8484.37	74.97
5.689	5.691 (1.015)	98	41690				164.07- 224.07	26.58
	47 Hexachloropropene					CAS #: 1888-71-7		
5.712	5.712 (1.019)	213	201142	20.0000		18.4	80.00- 120.00	100.00
5.712	5.712 (1.019)	215	128422				34.61- 94.61	63.85
5.711	5.712 (1.018)	117	39696				0.00- 50.39	19.74
	49 N-Nitrosodi-n-butylamine					CAS #: 924-16-3		
5.990	6.287 (1.068)	84	152119	20.0000		19.2	70.00- 130.00	100.00
5.989	6.287 (1.068)	57	84530				1288.18-1348.18	55.57
5.989	6.287 (1.068)	41	76622				66.46- 126.46	50.37
	52 Isosafrole					CAS #: 120-58-1		
6.199	6.619 (1.106)	162	148369	20.0000		18.7	70.00- 130.00	100.00
6.199	6.619 (1.105)	104	108315				0.00- 46.22	73.00
6.199	6.619 (1.105)	131	70509				37.69- 97.69	47.52
	56 1,2,4,5-Tetrachlorobenzene					CAS #: 95-94-3		
6.451	6.452 (0.883)	216	234808	20.0000		18.9	80.00- 120.00	100.00
6.451	6.452 (0.883)	214	181587				48.19- 108.19	77.33
6.449	6.452 (0.883)	108	42502				0.00- 47.81	18.10
	60 Safrole					CAS #: 94-59-7		
6.702	6.619 (1.195)	162	136061	20.0000		18.2	70.00- 130.00	100.00
6.701	6.619 (1.195)	104	88102				0.00- 46.22	64.75
6.701	6.619 (1.195)	77	57567				0.00- 57.00	42.31
	64 1,4-Naphthoquinone					CAS #: 130-15-4		
6.930	6.642 (0.949)	158	138013	20.0000		19.7	70.00- 130.00	100.00
6.929	6.642 (0.949)	102	120363				523.56- 583.56	87.21
6.930	6.642 (0.949)	130	60964				0.00- 46.52	44.17
	66 1,3-Dinitrobenzene					CAS #: 99-65-0		
7.066	7.368 (0.968)	168	62501	20.0000		18.9	70.00- 130.00	100.00
7.065	7.368 (0.968)	75	85331				98.40- 158.40	136.53
7.066	7.368 (0.968)	50	49780				177.84- 237.84	79.65
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.302	7.305 (1.000)	164	654351	40.0000			80.00- 120.00	100.00
7.303	7.305 (1.000)	162	625911				64.73- 124.73	95.65
7.303	7.305 (1.000)	160	285340				12.46- 72.46	43.61
	73 Pentachlorobenzene					CAS #: 608-93-5		
7.466	7.467 (1.022)	250	229597	20.0000		19.0	80.00- 120.00	100.00
7.465	7.467 (1.022)	252	147377				34.92- 94.92	64.19
7.464	7.467 (1.022)	108	62368				0.00- 56.94	27.16
	77 1-Naphthylamine					CAS #: 134-32-7		
7.580	7.837 (1.038)	143	222767	20.0000		19.5	70.00- 130.00	100.00
7.579	7.837 (1.038)	115	126501				7143.21-7203.21	56.79

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
77 1-Naphthylamine (continued)								
7.579	7.837	(1.038)	89	25949			2068.79-2128.79	11.65
78 2,3,4,6-Tetrachlorophenol							CAS #: 58-90-2	
7.632	7.634	(1.045)	232	128151	20.0000	19.3	70.00- 130.00	100.00
7.631	7.634	(1.045)	168	32941			42.05- 102.05	25.70
7.631	7.634	(1.045)	131	52610			9.10- 69.10	41.05
79 2-Naphthylamine							CAS #: 91-59-8	
7.657	7.837	(1.049)	143	299285	20.0000	20.0	70.00- 130.00	100.00
7.657	7.837	(1.049)	115	169479			7143.21-7203.21	56.63
7.657	7.837	(1.049)	116	65022			667.96- 727.96	21.73
83 5-Nitro-ortho-toluidine							CAS #: 99-55-8	
7.852	7.896	(1.075)	152	112273	20.0000	19.3	70.00- 130.00	100.00
7.852	7.896	(1.075)	106	85327			505.60- 565.60	76.00
7.852	7.896	(1.075)	77	147933			735.48- 795.48	131.76
90 1,3,5-Trinitrobenzene							CAS #: 99-35-4	
8.213	8.152	(1.125)	75	273166	20.0000	19.4	70.00- 130.00	100.00
8.213	8.152	(1.125)	74	172156			50.14- 110.14	63.02
8.214	8.152	(1.125)	213	103017			40.88- 100.88	37.71
89 Diallate							CAS #: 2303-16-4	
8.231	8.081	(1.127)	86	154011	20.0000	19.0	70.00- 130.00	100.00(M)
8.231	8.081	(1.127)	43	153470			0.00- 38.70	99.65
8.231	8.081	(1.127)	234	105628			0.00- 39.00	68.58
92 Phenacetin							CAS #: 62-44-2	
8.258	8.384	(0.943)	109	170760	20.0000	19.4	70.00- 130.00	100.00
8.258	8.384	(0.943)	108	191649			77.38- 137.38	112.23
8.258	8.384	(0.943)	179	109144			133.19- 193.19	63.92
91 p-Phenylenediamine							CAS #: 106-50-3	
8.258	8.082	(0.943)	108	191649	20.0000	19.9	70.00- 130.00	100.00
8.257	8.082	(0.943)	80	56873			1858.68-1918.68	29.68
8.257	8.082	(0.943)	53	24265			5306.16-5366.16	12.66
97 Pentachloronitrobenzene							CAS #: 82-68-8	
8.588	8.589	(0.980)	237	88960	20.0000	19.6	80.00- 120.00	100.00
8.588	8.589	(0.980)	295	31768			7.36- 67.36	35.71
8.587	8.589	(0.980)	142	64416			42.99- 102.99	72.41
98 4-Aminobiphenyl							CAS #: 92-67-1	
8.573	8.584	(0.979)	169	442409	20.0000	20.3	70.00- 130.00	100.00
8.573	8.584	(0.979)	168	93574			0.00- 49.63	21.15
8.572	8.584	(0.979)	115	50672			0.00- 40.98	11.45
99 Pronamide							CAS #: 23950-58-5	
8.628	8.781	(0.985)	173	218389	20.0000	20.1	70.00- 130.00	100.00
8.629	8.781	(0.985)	175	132945			2051.90-2111.90	60.88
8.628	8.781	(0.985)	145	82624			63.94- 123.94	37.83

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.759	8.761	(1.000)	188	1261678	40.0000		80.00- 120.00	100.00
8.758	8.761	(1.000)	94	81032			0.00- 36.35	6.42
8.759	8.761	(1.000)	80	97038			0.00- 37.82	7.69
102 Dinoseb							CAS #: 88-85-7	
8.751	8.753	(0.999)	211	121873	20.0000	19.0	80.00- 120.00	100.00
8.750	8.753	(0.999)	163	43671			7.77- 67.77	35.83
8.751	8.753	(0.999)	117	26566			0.00- 52.05	21.80
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.539	9.334	(1.089)	174	7560	20.0000	21.2	70.00- 130.00	100.00(Q)
9.540	9.334	(1.089)	128	16343			429.24- 489.24	216.18
9.540	9.334	(1.089)	101	24825			988.96-1048.96	328.37
107 Methapyrilene							CAS #: 91-80-5	
9.609	10.322	(1.097)	97	8443	20.0000	20.0	70.00- 130.00	100.00
9.608	10.322	(1.097)	58	8116			11.52- 71.52	96.13
9.610	10.322	(1.097)	191	2118			0.00- 52.18	25.09
108 Isodrin							CAS #: 465-73-6	
9.801	10.279	(1.119)	193	78003	20.0000	20.3	70.00- 130.00	100.00
9.799	10.279	(1.119)	66	73888			17952.44-18012.44	94.72
9.801	10.279	(1.119)	195	62717			1135.23-1195.23	80.40
113 Aramite							CAS #: 140-57-8	
10.368	10.370	(0.913)	185	74629	20.0000	19.9	80.00- 120.00	100.00(M)
10.293	10.370	(0.907)	191	39225			21.78- 81.78	52.56
10.293	10.370	(0.907)	319	26819			6.67- 66.67	35.94
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.458	10.323	(0.921)	225	174502	20.0000	18.8	70.00- 130.00	100.00
10.457	10.323	(0.921)	120	155643			99.50- 159.50	89.19
10.457	10.323	(0.921)	77	184401			9.48- 69.48	105.67
115 Chlorobenzilate							CAS #: 510-15-6	
10.501	10.503	(0.925)	251	264701	20.0000	18.5	80.00- 120.00	100.00
10.502	10.503	(0.925)	253	172944			35.78- 95.78	65.34
10.500	10.503	(0.925)	139	244555			60.72- 120.72	92.39
116 Kepone							CAS #: 143-50-0	
10.838	10.840	(0.955)	272	52036	20.0000	21.2	80.00- 120.00	100.00(M)
10.840	10.840	(0.955)	274	36225			51.74- 111.74	69.62
10.840	10.840	(0.955)	237	28981			0.00- 59.52	55.69
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.790	10.799	(0.950)	212	577536	20.0000	20.5	70.00- 130.00	100.00
10.789	10.799	(0.950)	106	35000			2299.94-2359.94	6.06
10.790	10.799	(0.950)	180	42519			6.44- 66.44	7.36
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.036	10.324	(0.972)	181	301020	20.0000	18.6	70.00- 130.00	100.00
11.036	10.324	(0.972)	223	204629			491.83- 551.83	67.98

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	119 2-Acetylaminofluorene (continued)							
11.036	10.324	(0.972)	180	259299			639.65- 699.65	86.14
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.353	11.359	(1.000)	240	1573281	40.0000		80.00- 120.00	100.00
11.351	11.359	(1.000)	120	82542			0.00- 36.38	5.25
11.353	11.359	(1.000)	236	425725			0.00- 57.06	27.06
126 7,12-Dimethylbenz(a)anthracen							CAS #: 57-97-6	
12.317	12.088	(0.972)	256	423733	20.0000	18.8	70.00- 130.00	100.00
12.317	12.088	(0.972)	241	233045			77.87- 137.87	55.00
12.317	12.088	(0.972)	239	189843			73.24- 133.24	44.80
* 130 Perylene-d12							CAS #: 1520-96-3	
12.678	12.682	(1.000)	264	1582888	40.0000		80.00- 120.00	100.00
12.678	12.682	(1.000)	260	382287			0.00- 54.80	24.15
12.677	12.682	(1.000)	265	364398			0.00- 53.39	23.02
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.939	12.847	(1.021)	268	489249	20.0000	19.3	70.00- 130.00	100.00
12.939	12.847	(1.021)	252	203283			13.23- 73.23	41.55
12.939	12.847	(1.021)	253	178714			6.61- 66.61	36.53
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.531	13.755	(1.067)	279	724158	20.0000	19.8	70.00- 130.00	100.00
13.530	13.755	(1.067)	280	167572			0.00- 41.79	23.14
13.531	13.755	(1.067)	277	107869			93.47- 153.47	14.90

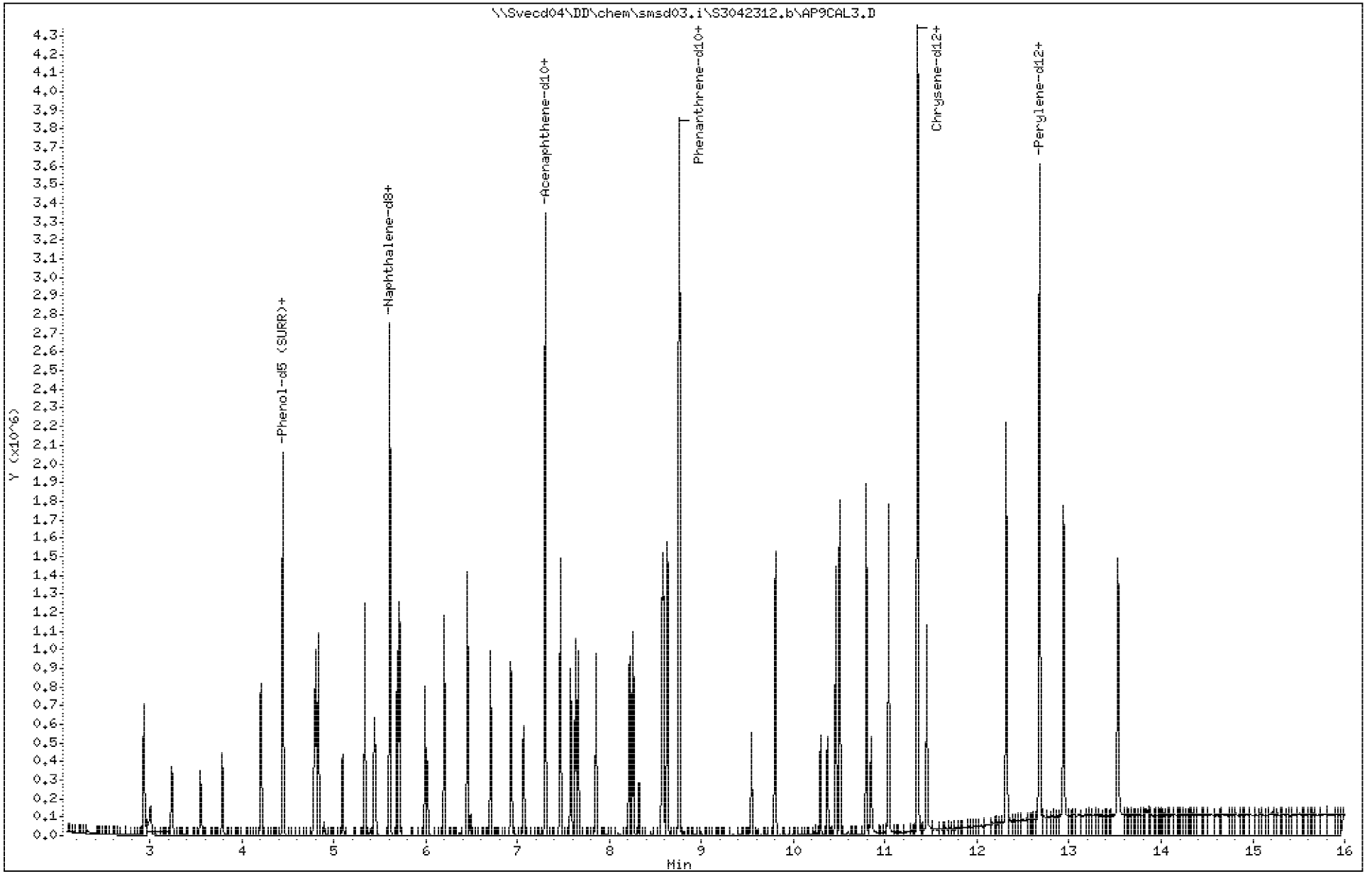
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D
Date : 23-APR-2012 18:41
Client ID: AP9CAL3
Instrument: smsd03.i
Sample Info: 45959
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1829

3505835



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Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

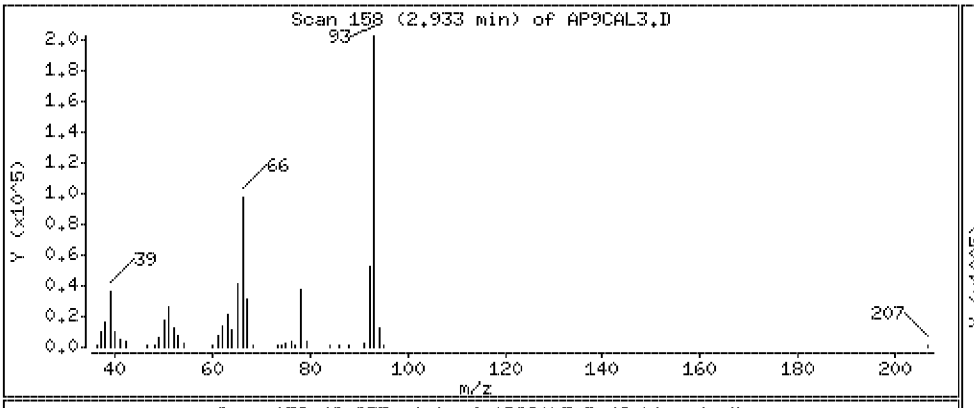
Operator: PEL

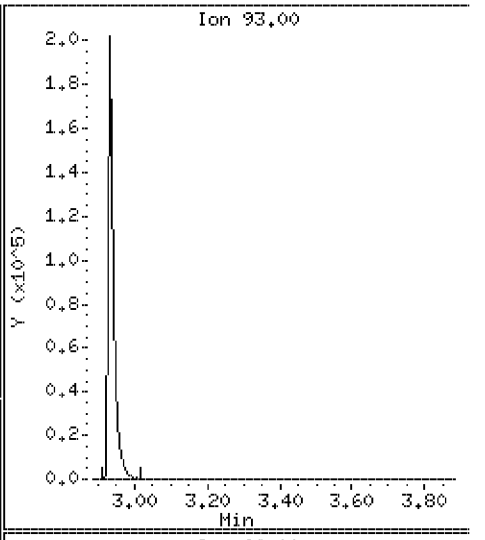
Column phase: HPMS-5

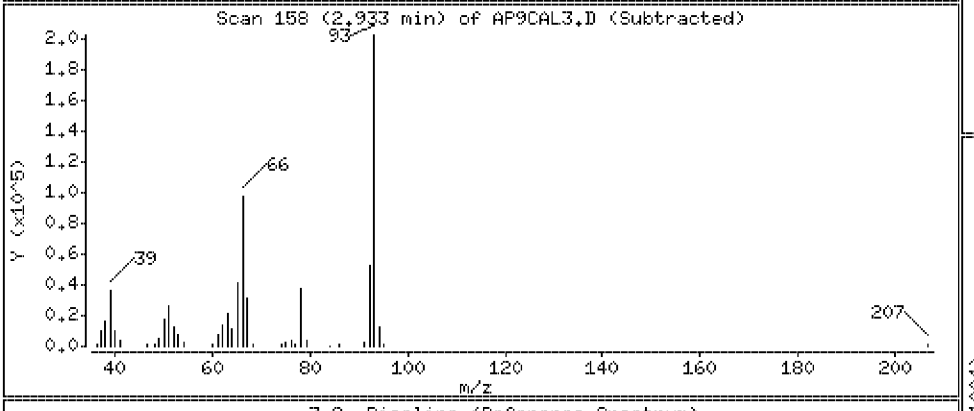
Column diameter: 0.25

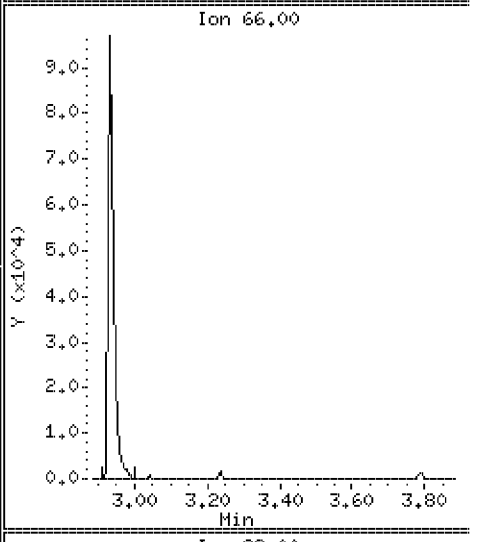
3 2- Picoline

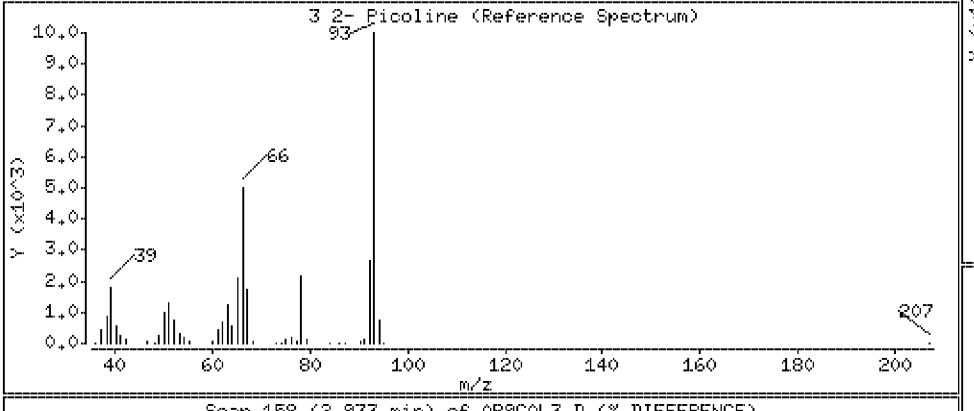
Concentration: 19.9 ug/l

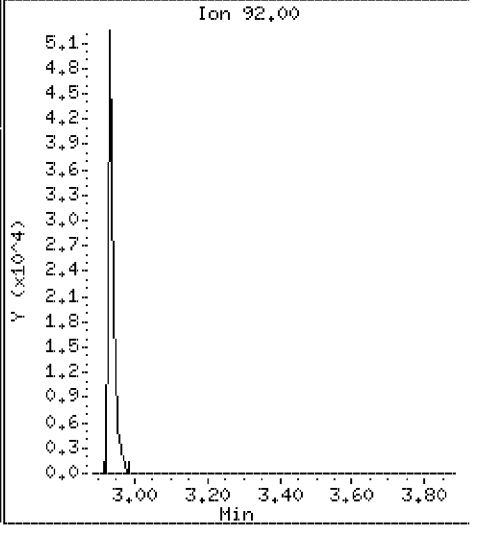


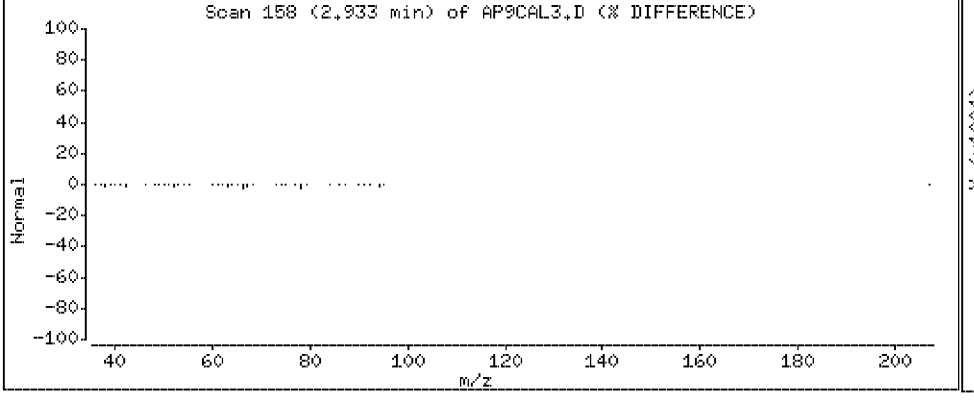












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

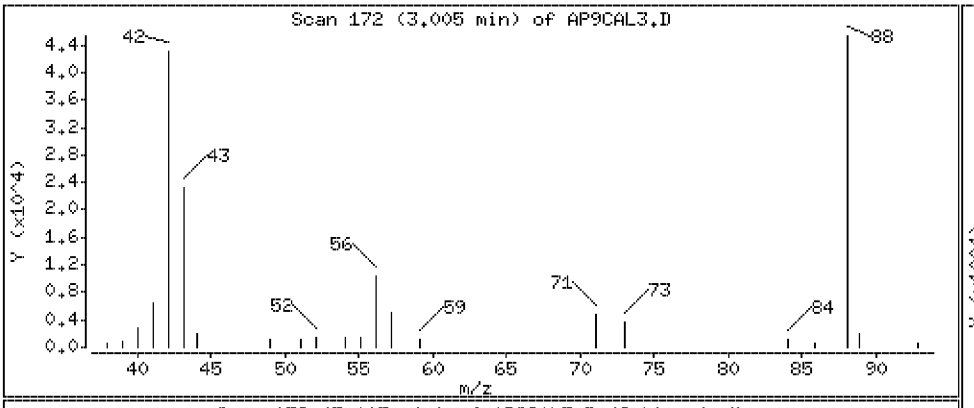
Operator: PEL

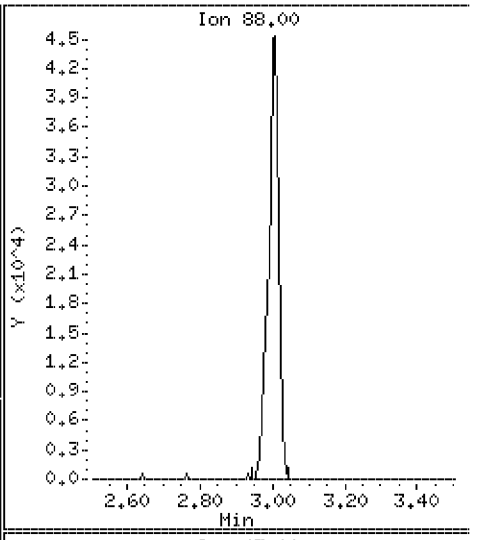
Column phase: HPMS-5

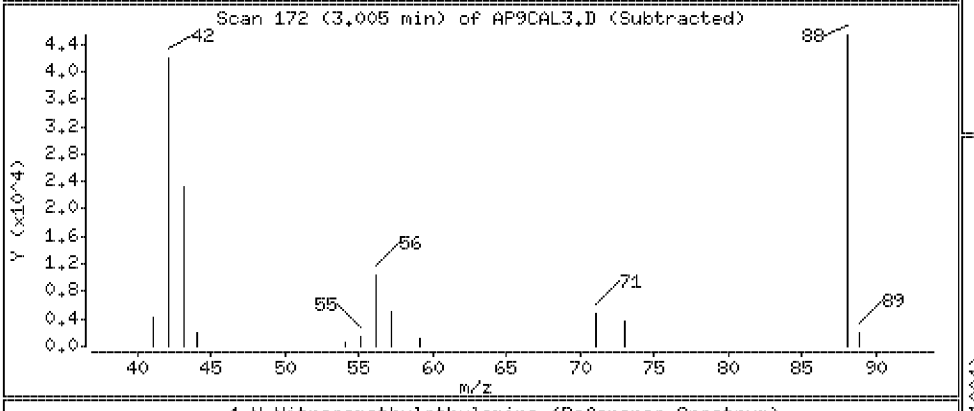
Column diameter: 0.25

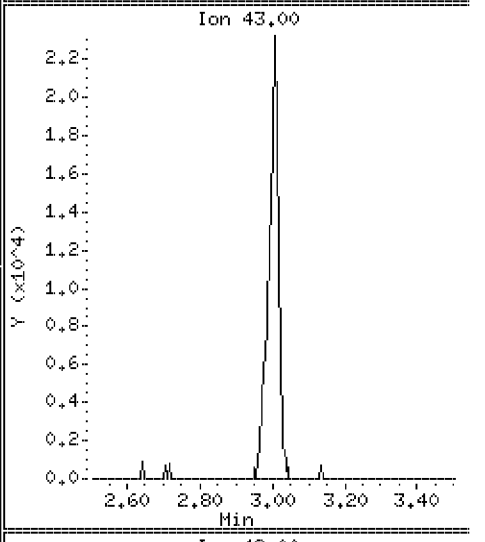
4 N-Nitrosomethylethylamine

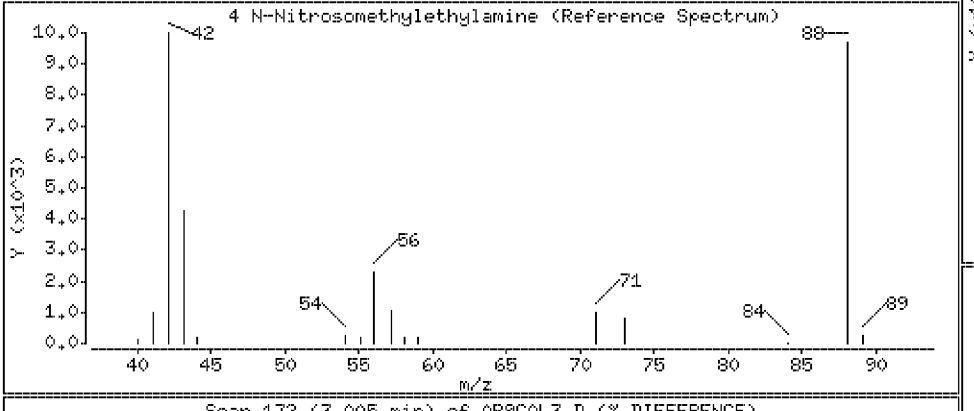
Concentration: 20.3 ug/l

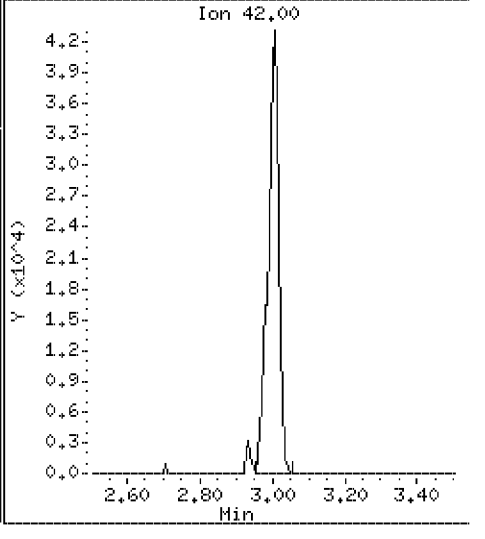


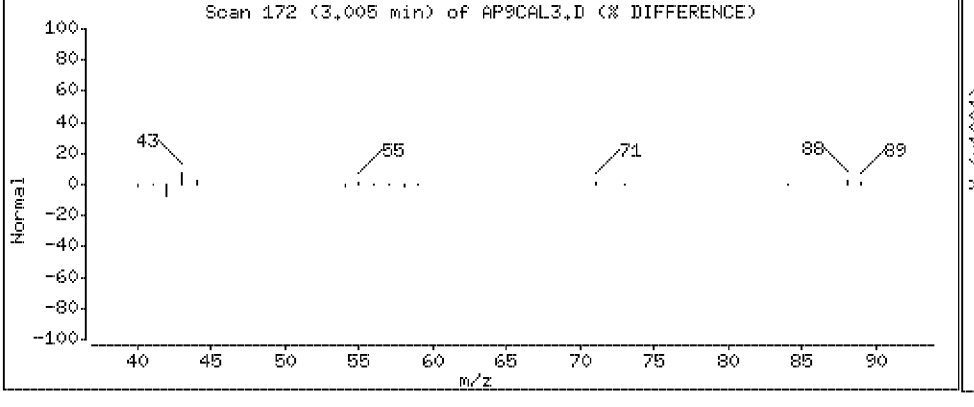












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

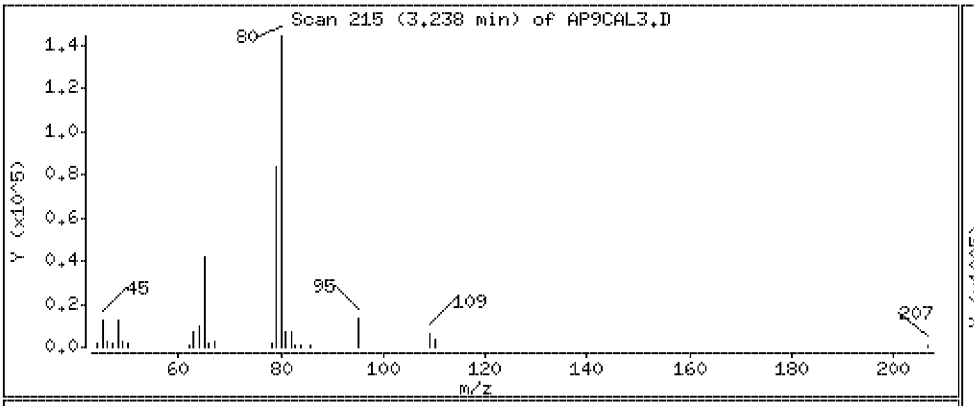
Operator: PEL

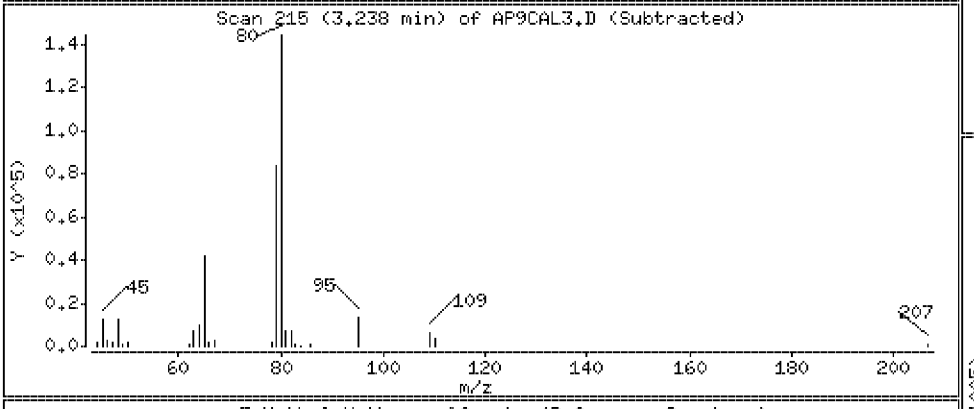
Column phase: HPMS-5

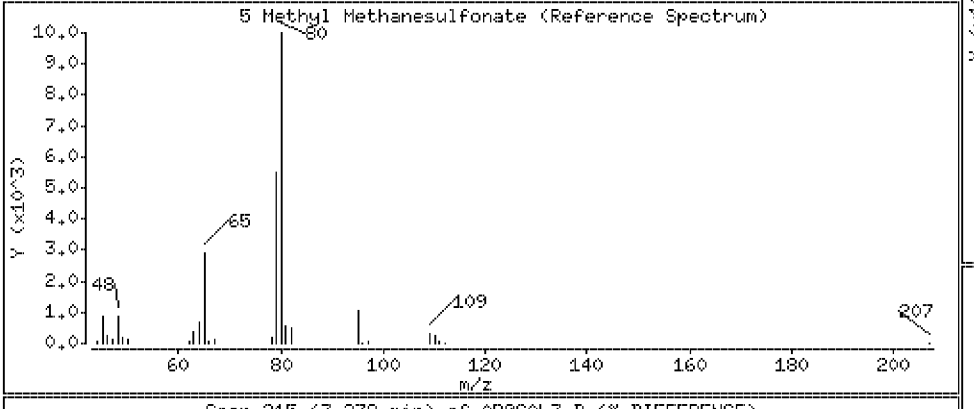
Column diameter: 0.25

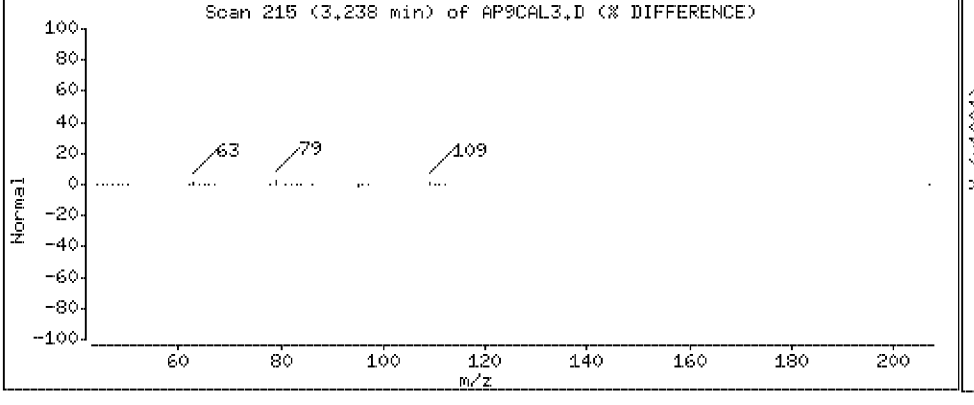
5 Methyl Methanesulfonate

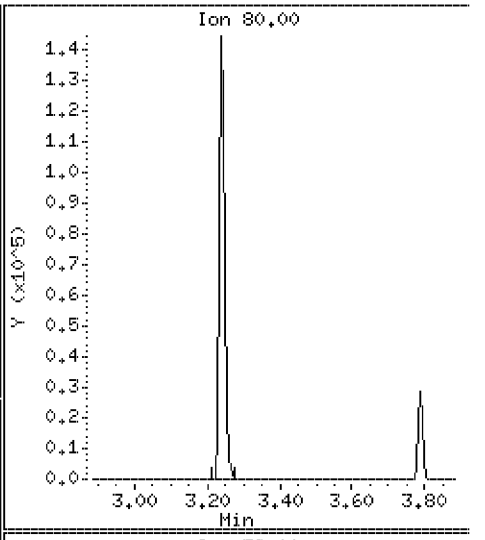
Concentration: 20.0 ug/l

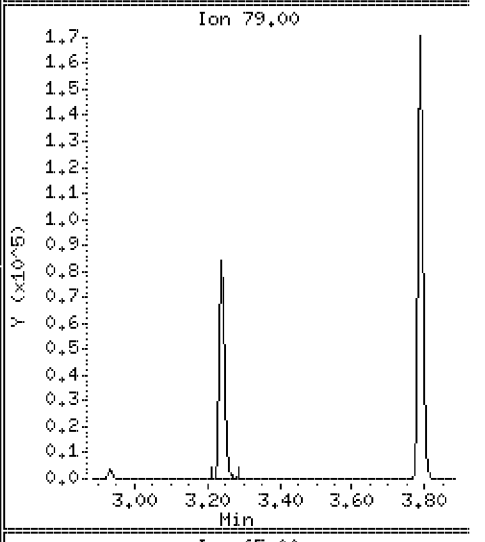


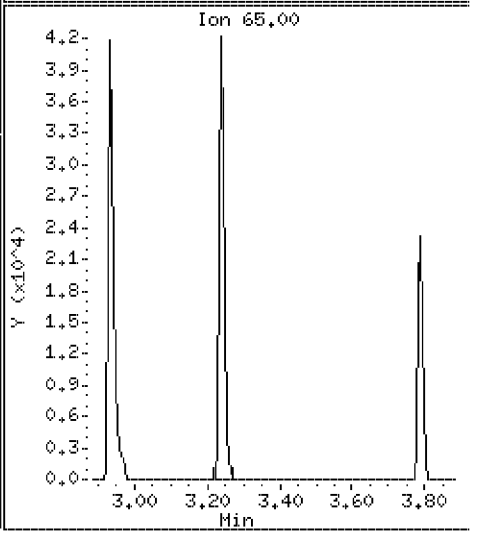












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

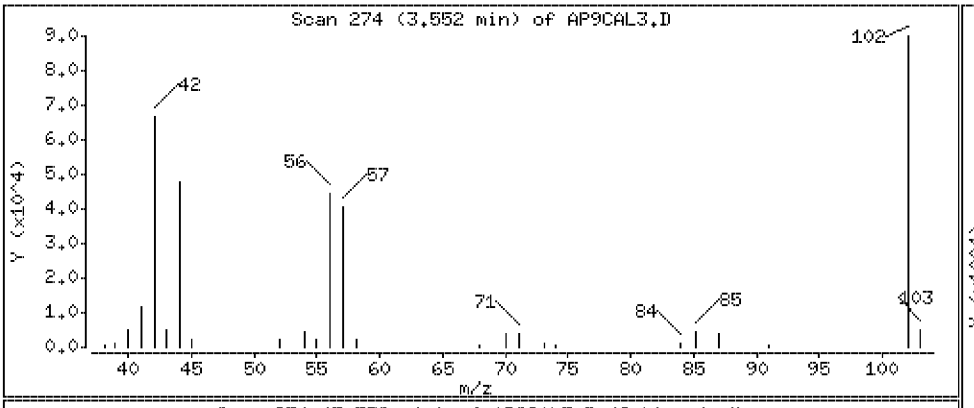
Operator: PEL

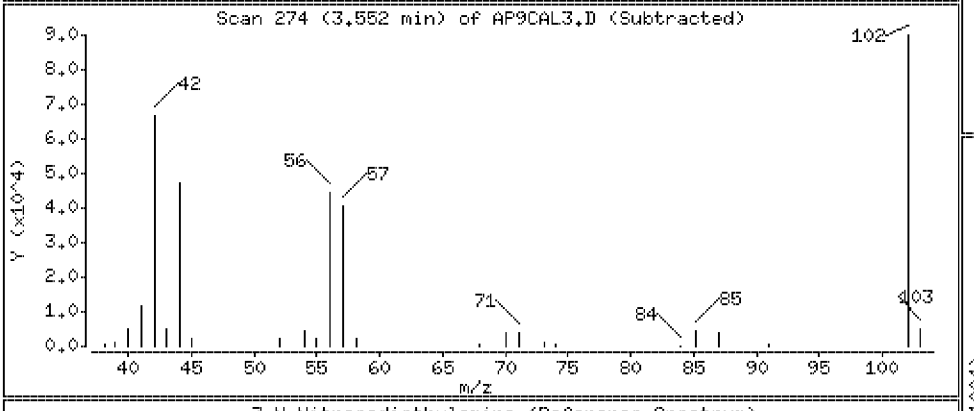
Column phase: HPMS-5

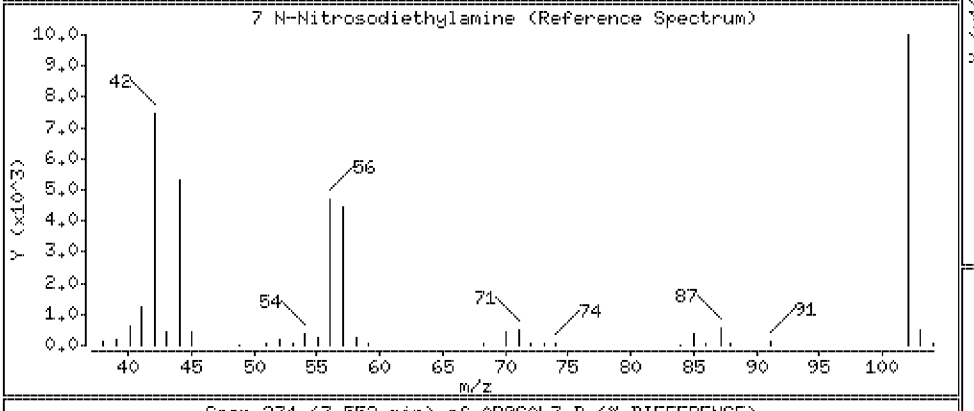
Column diameter: 0.25

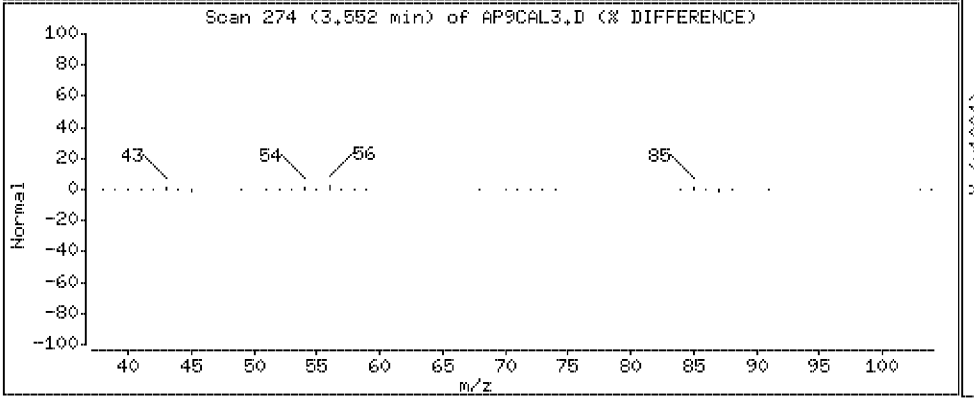
7 N-Nitrosodiethylamine

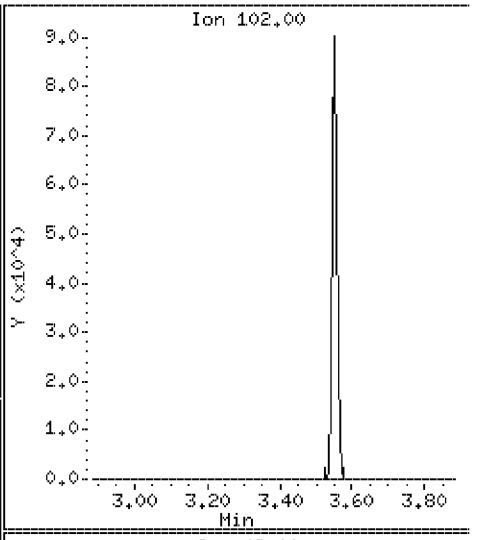
Concentration: 19.5 ug/l

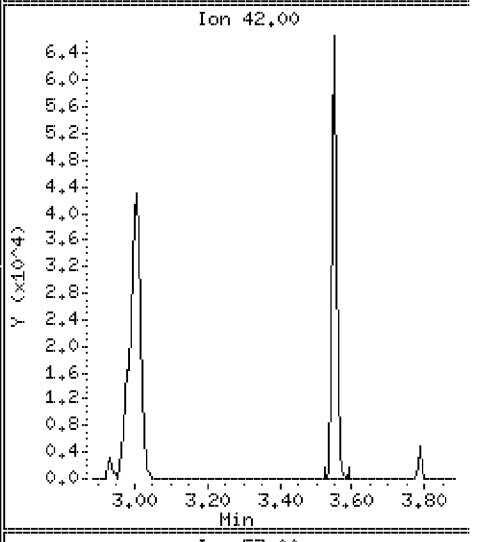


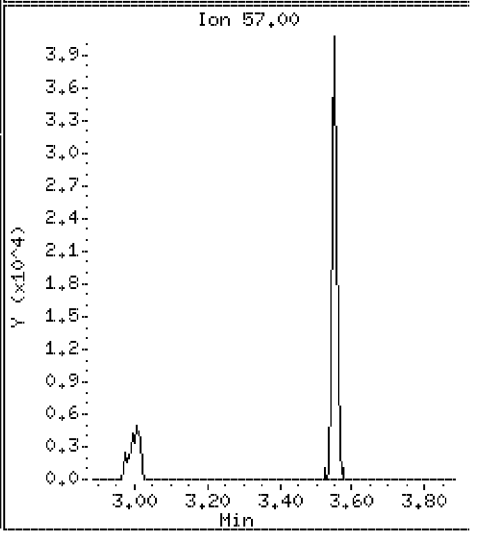












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

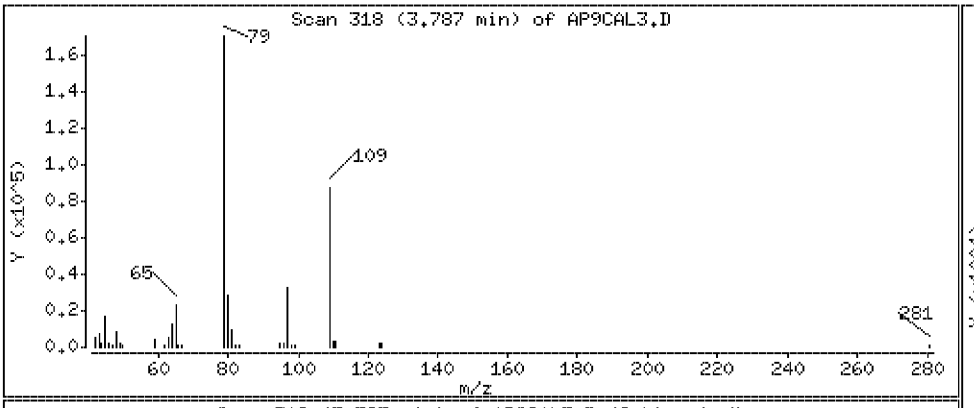
Operator: PEL

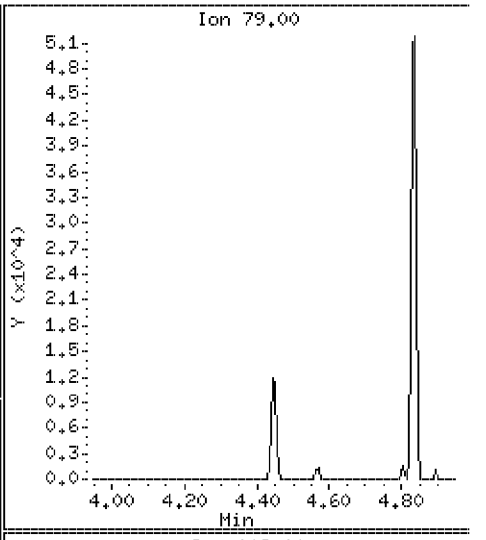
Column phase: HPMS-5

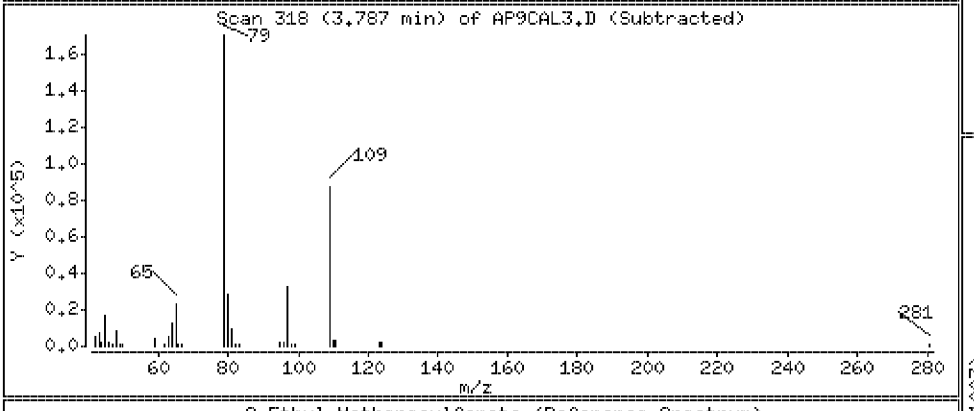
Column diameter: 0.25

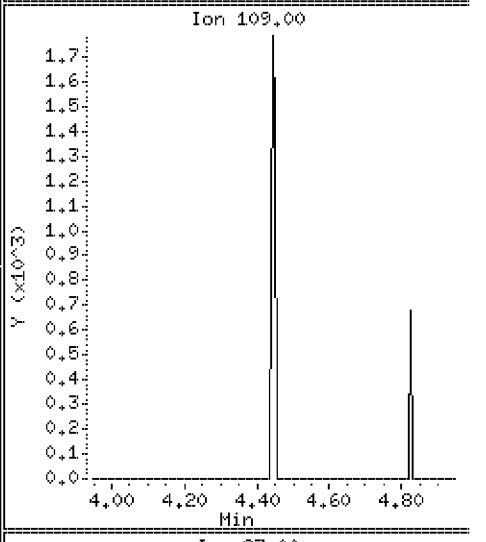
8 Ethyl Methanesulfonate

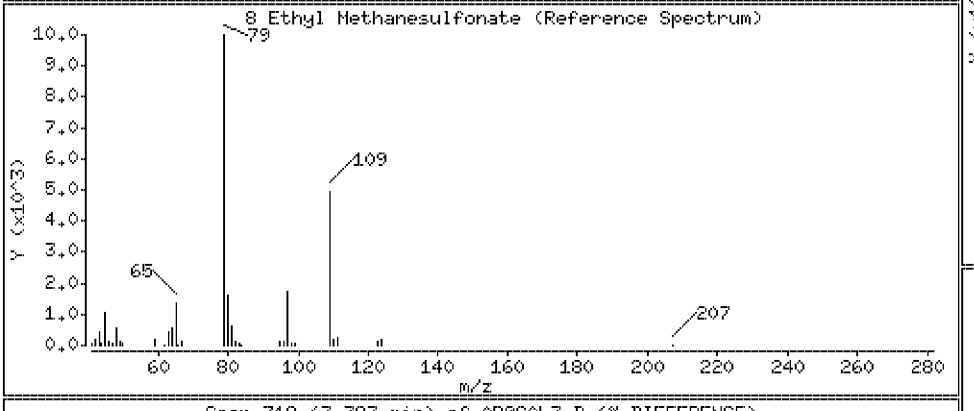
Concentration: 20.5 ug/l

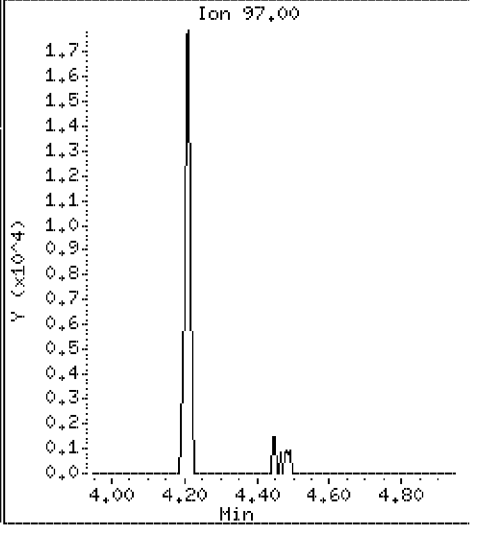


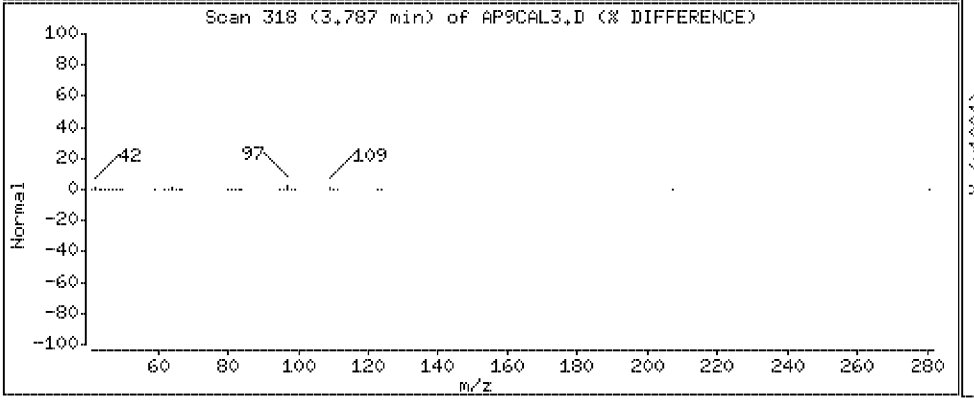












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

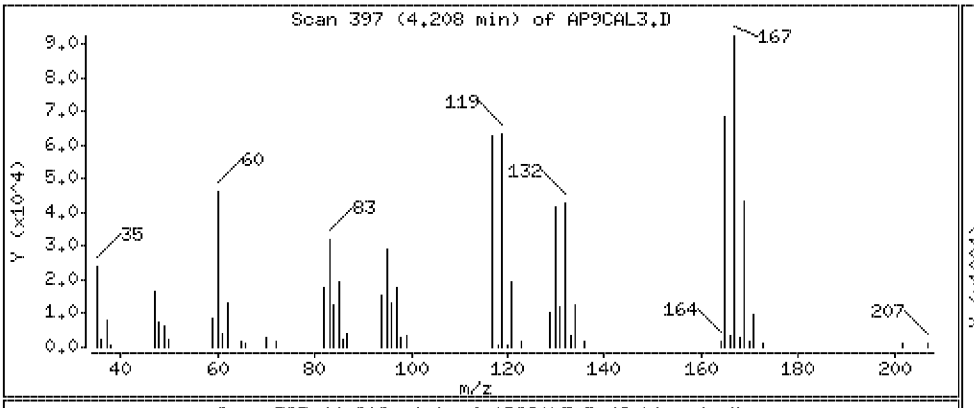
Operator: PEL

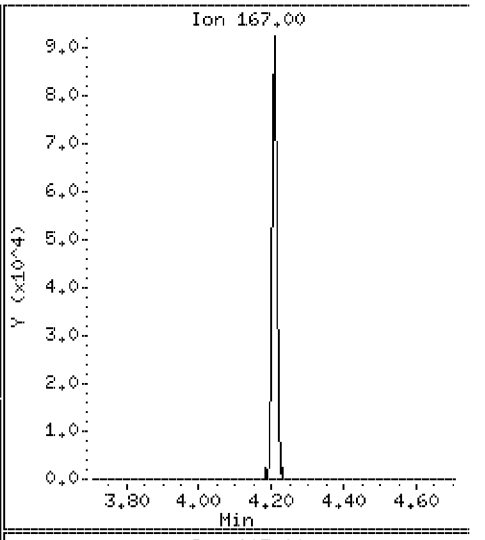
Column phase: HPMS-5

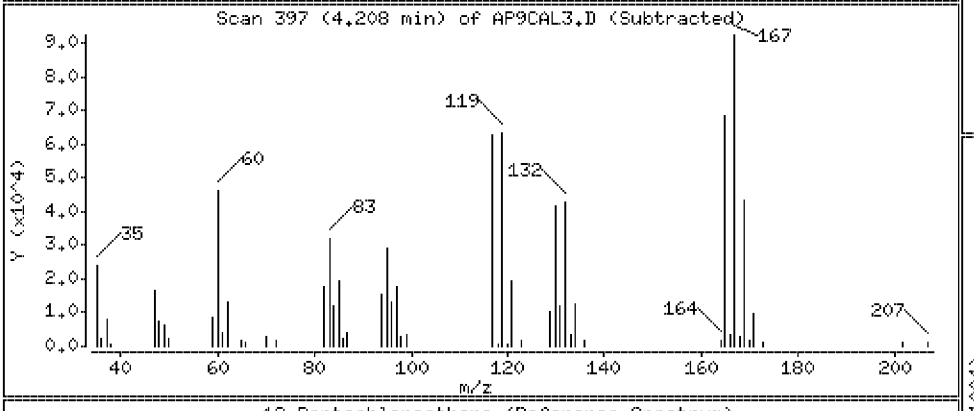
Column diameter: 0.25

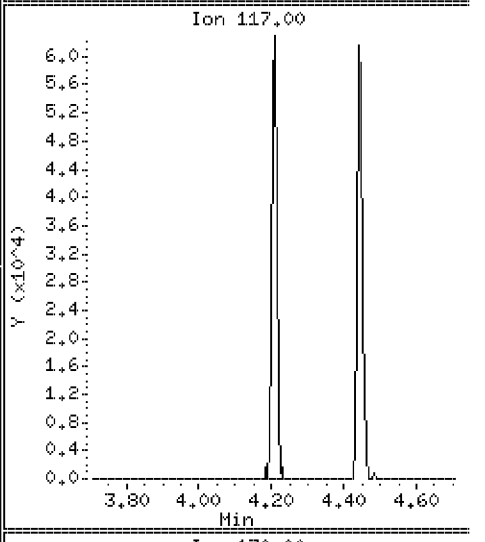
12 Pentachloroethane

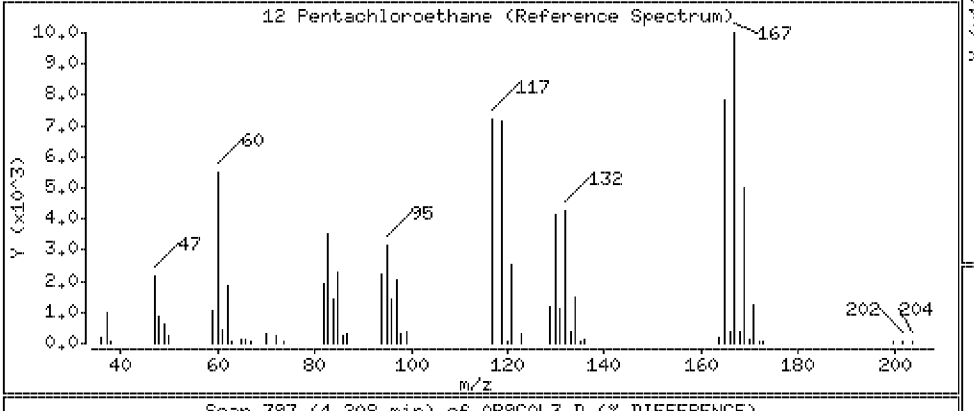
Concentration: 19.6 ug/l

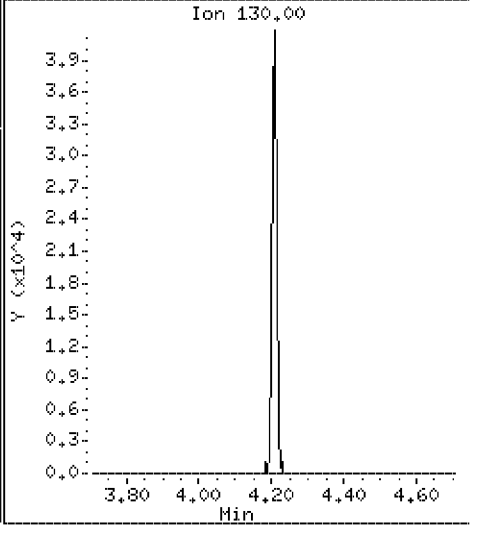


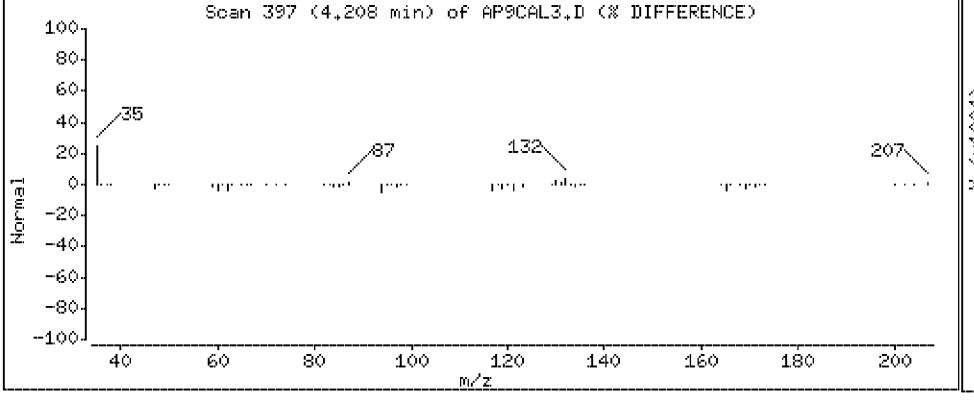












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

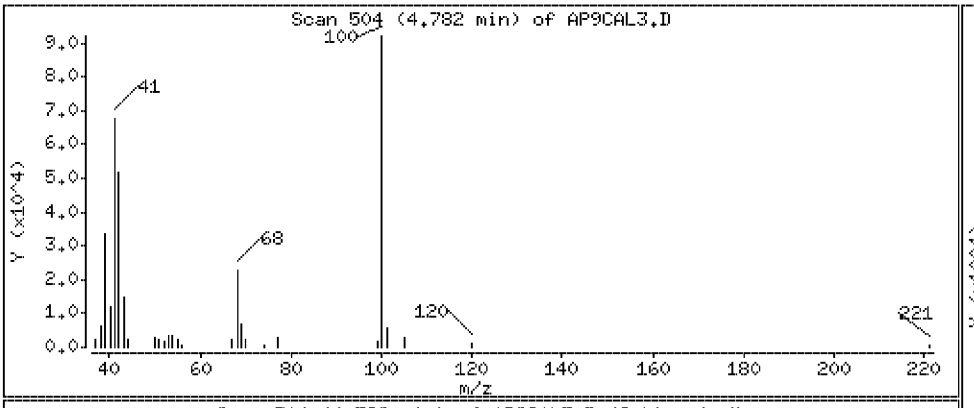
Operator: PEL

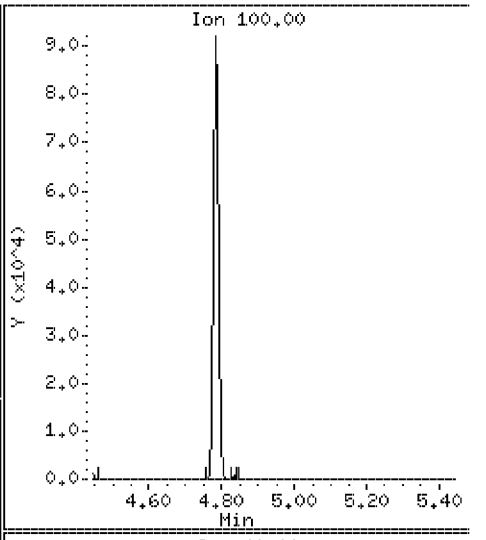
Column phase: HPMS-5

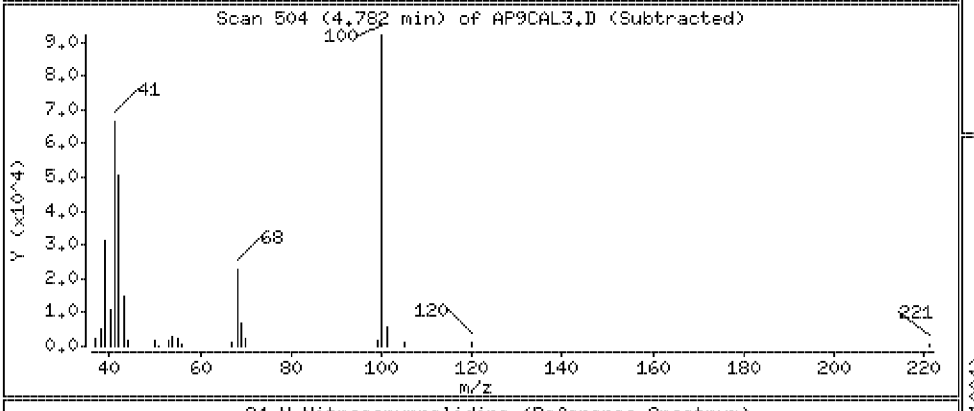
Column diameter: 0.25

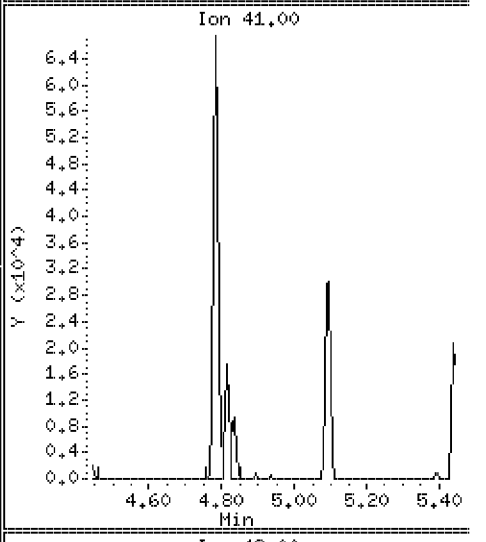
24 N-Nitrosopyrrolidine

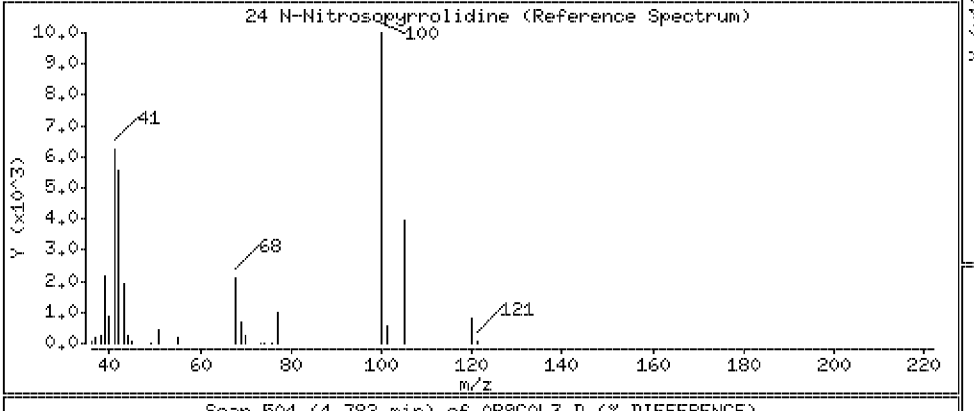
Concentration: 19.4 ug/l

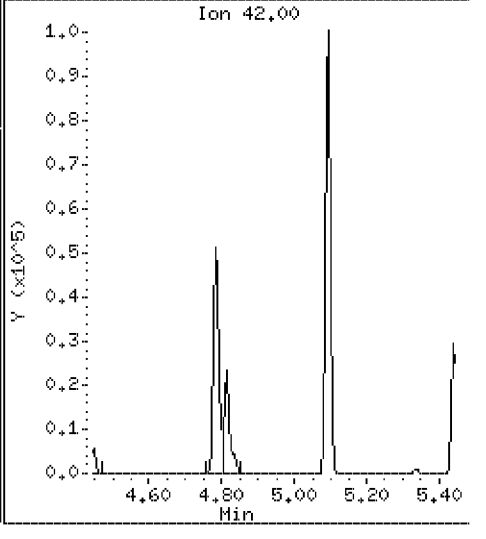


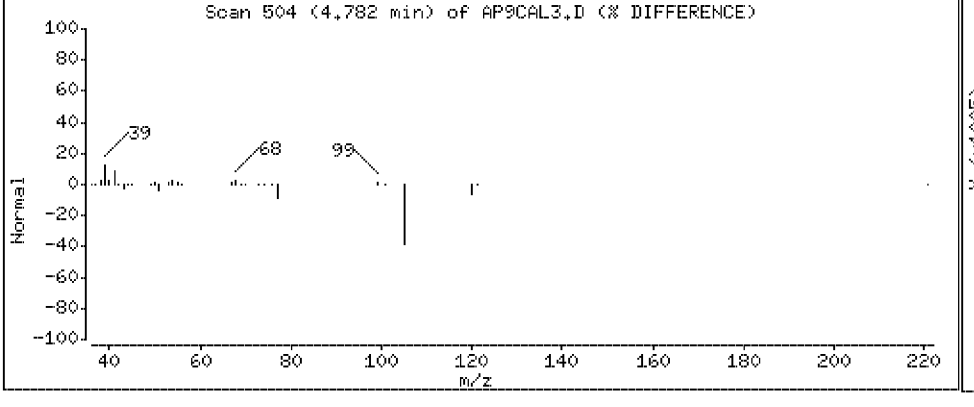












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

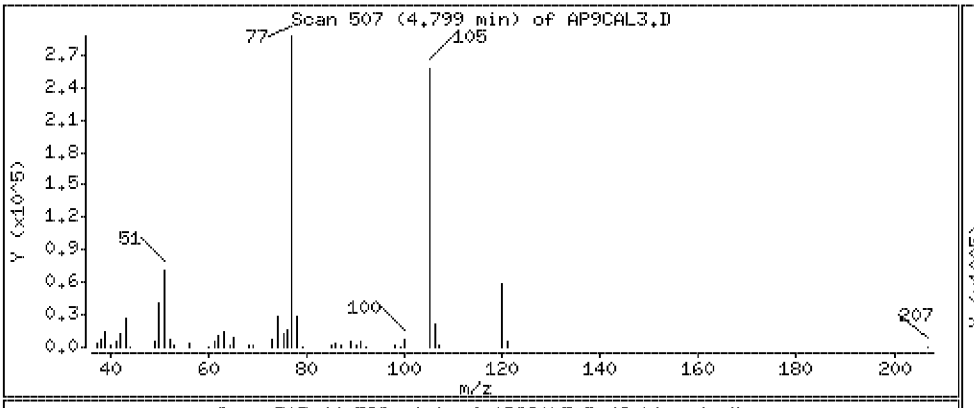
Operator: PEL

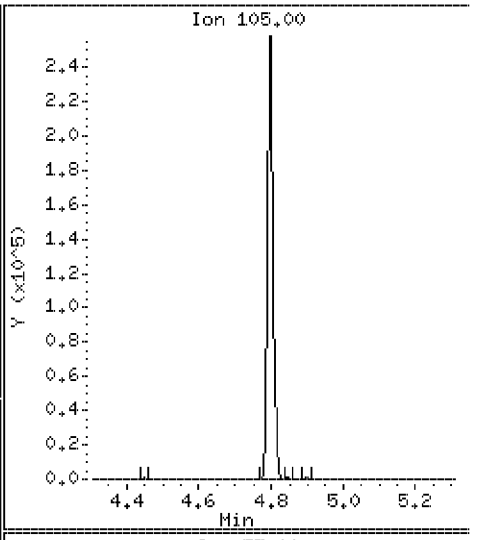
Column phase: HPMS-5

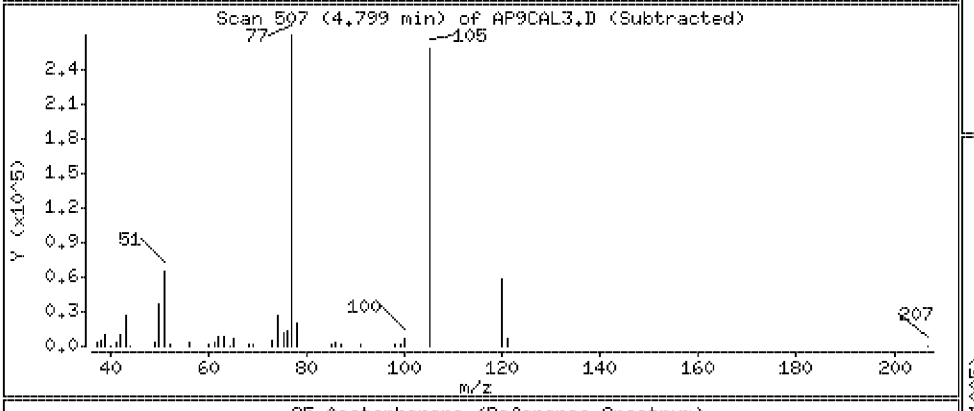
Column diameter: 0.25

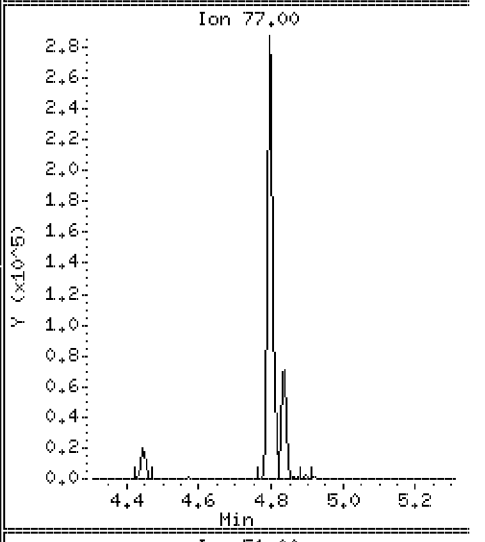
25 Acetophenone

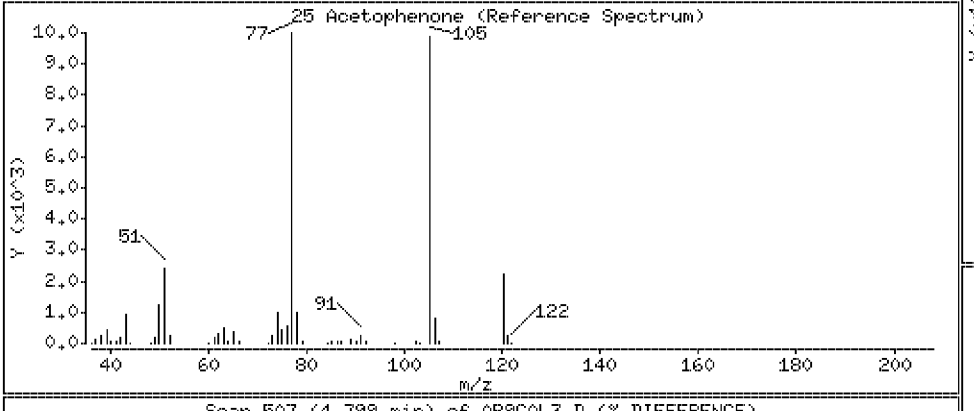
Concentration: 18.3 ug/l

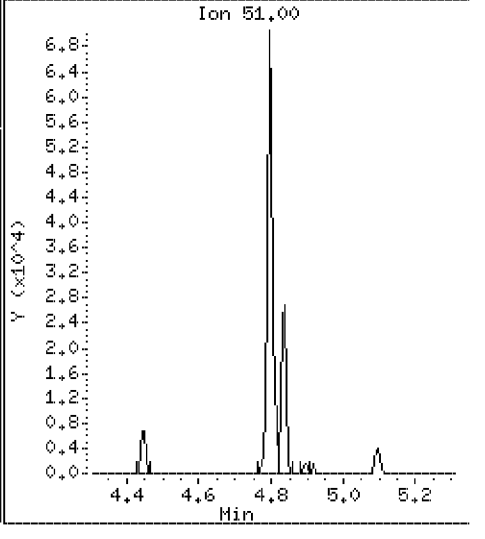


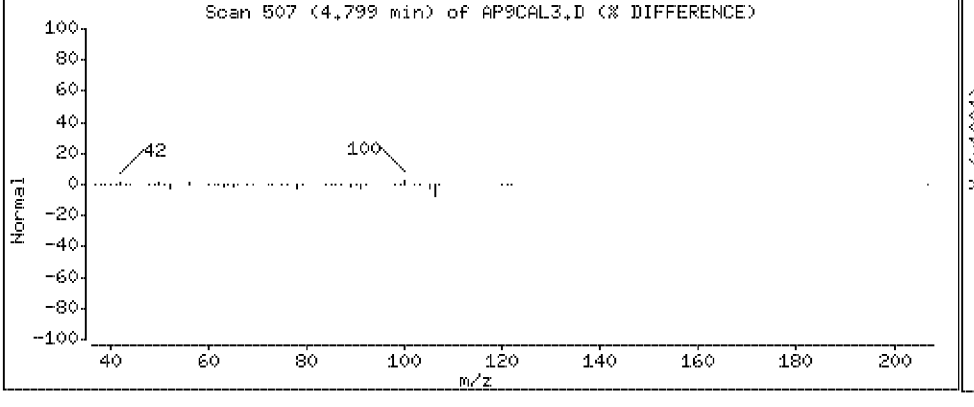












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

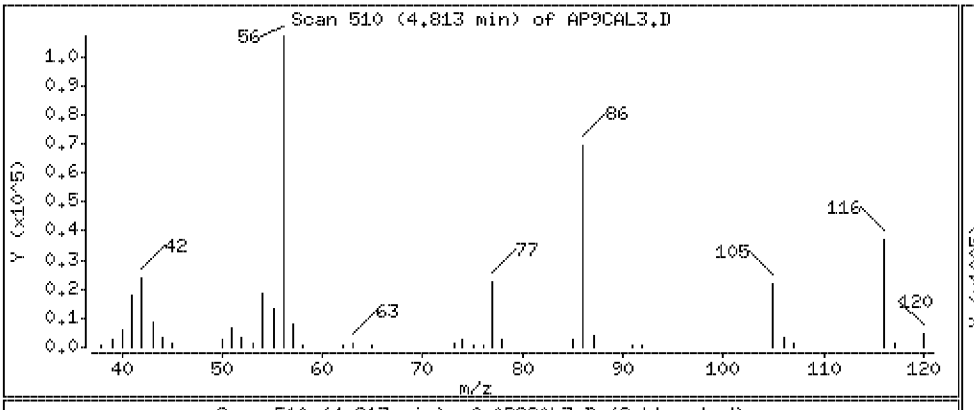
Operator: PEL

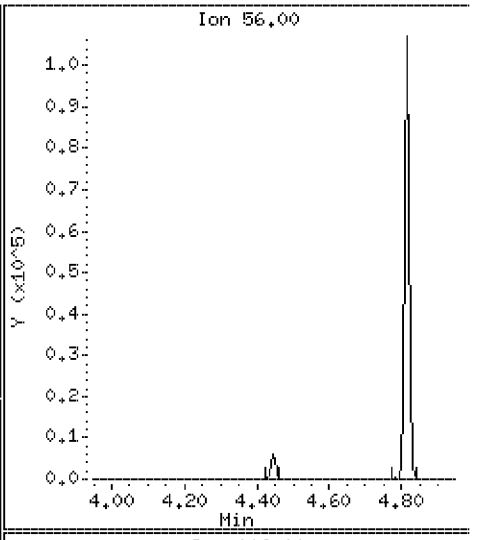
Column phase: HPMS-5

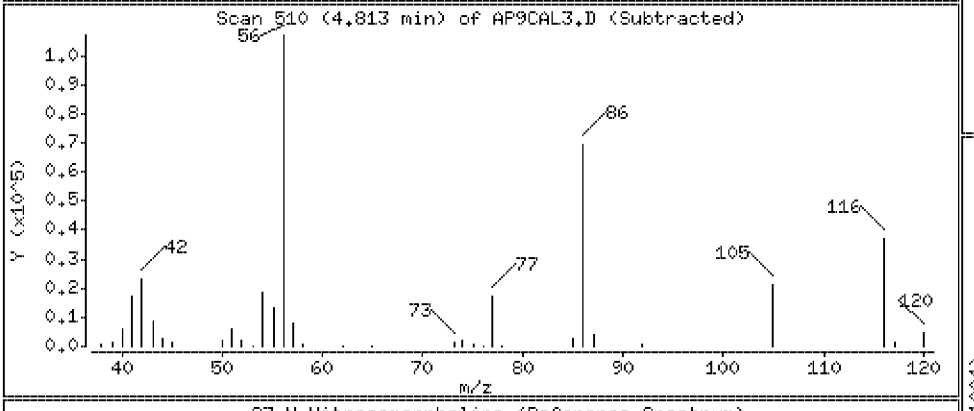
Column diameter: 0.25

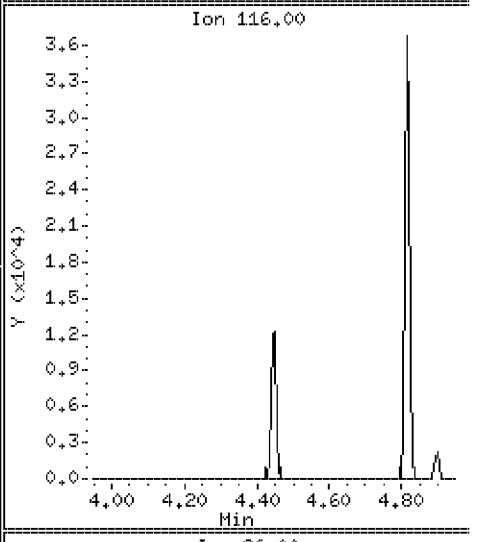
27 N-Nitrosomorpholine

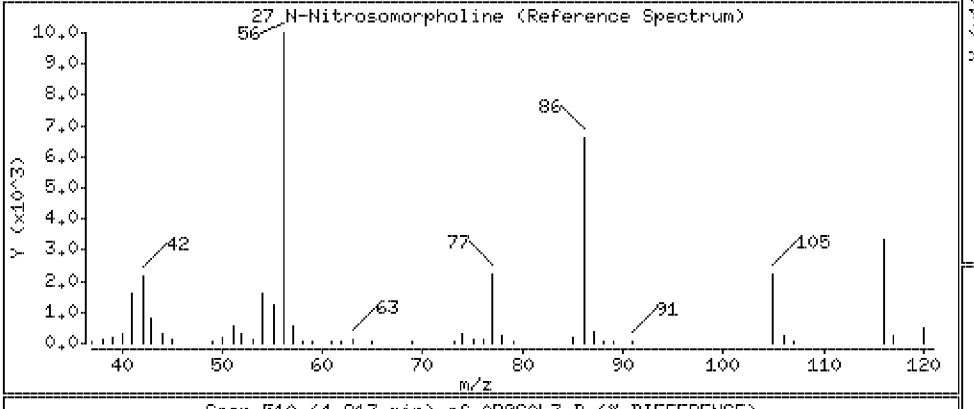
Concentration: 19.8 ug/l

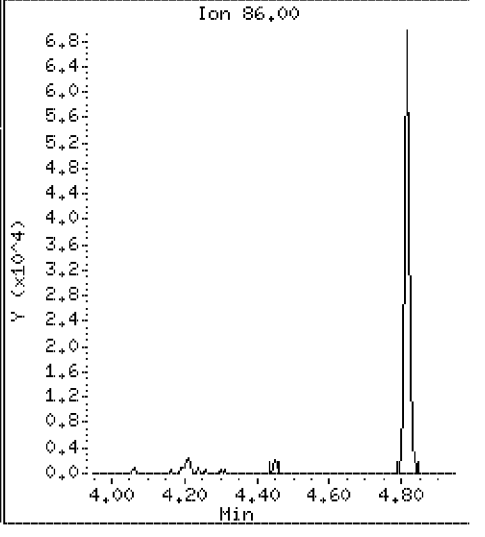


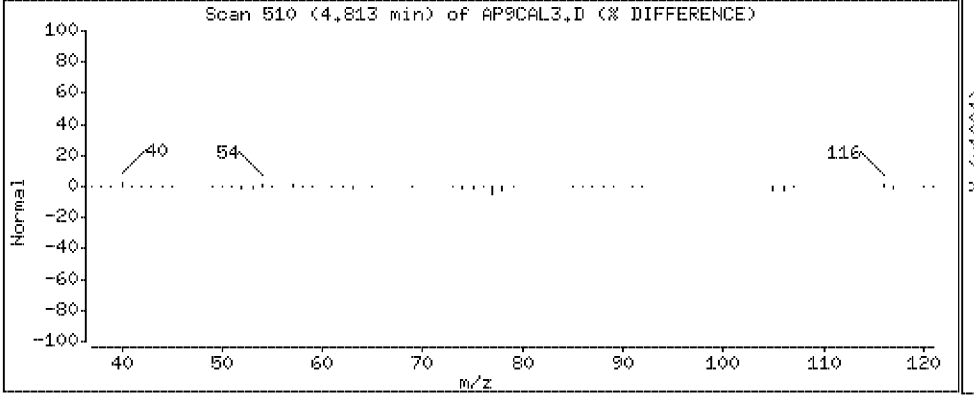












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

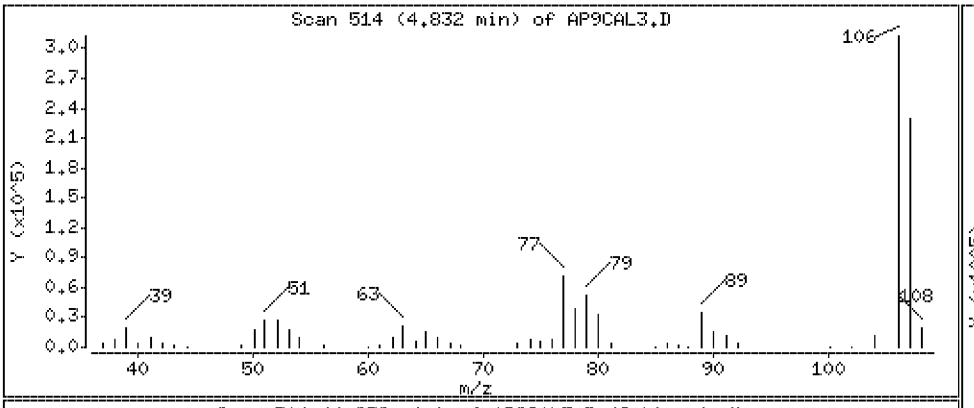
Operator: PEL

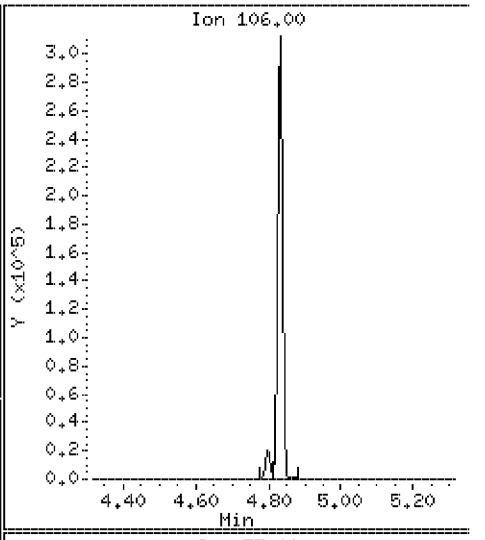
Column phase: HPMS-5

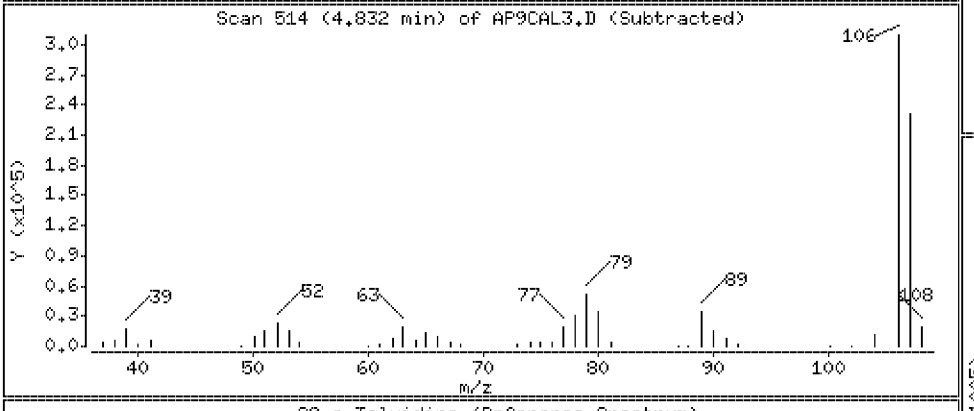
Column diameter: 0.25

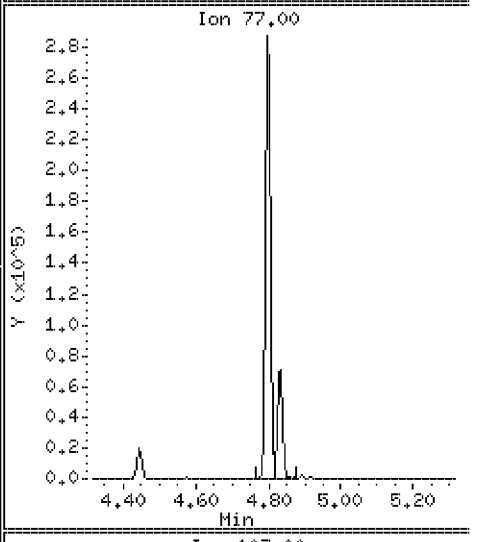
29 o-Toluidine

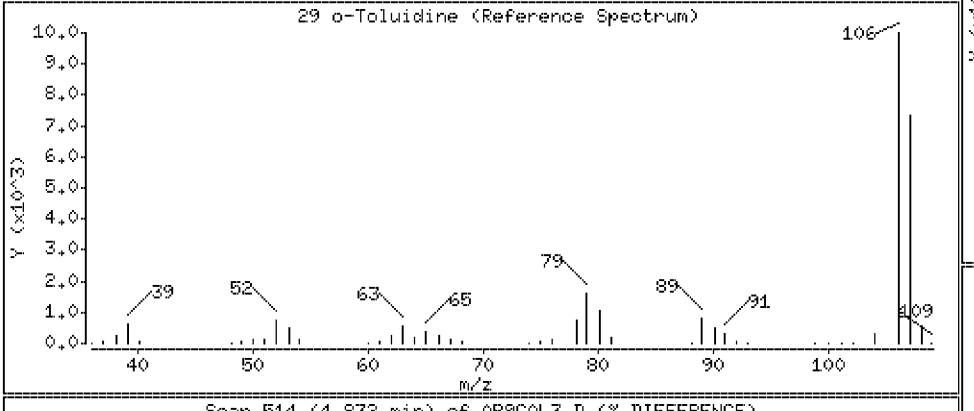
Concentration: 19.5 ug/l

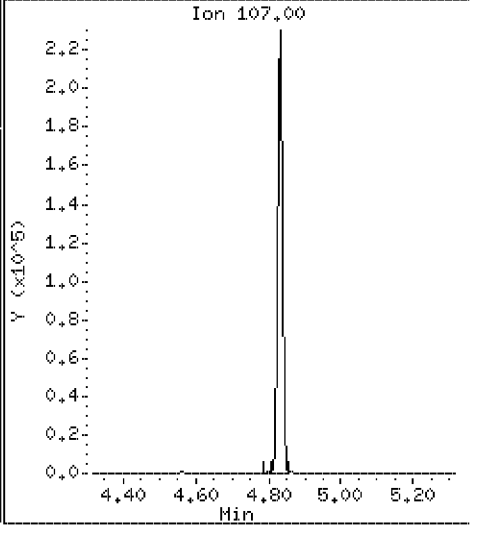


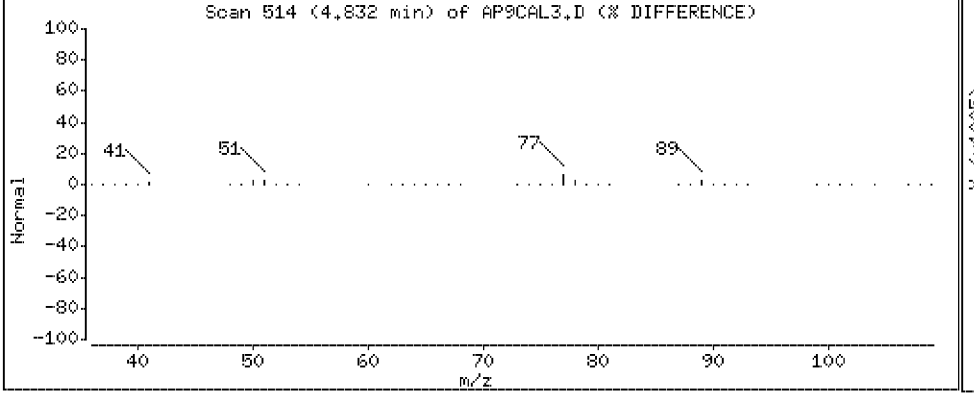












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

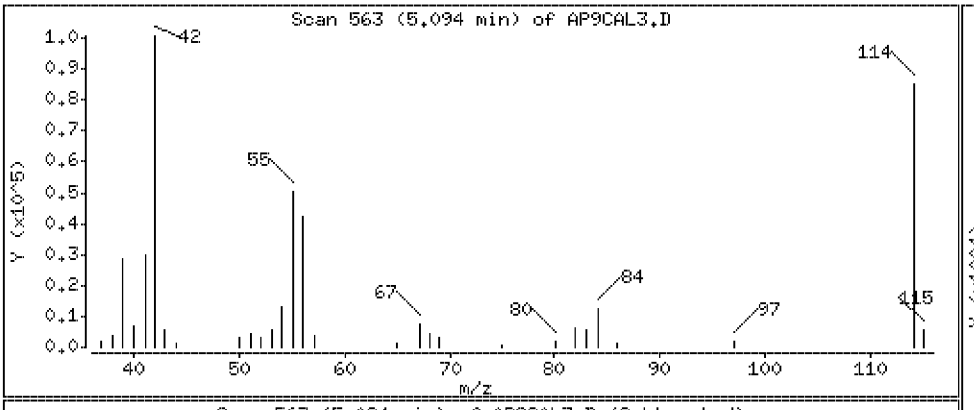
Operator: PEL

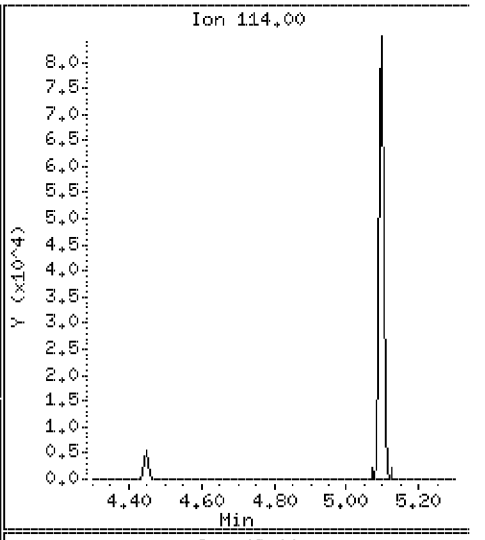
Column phase: HPMS-5

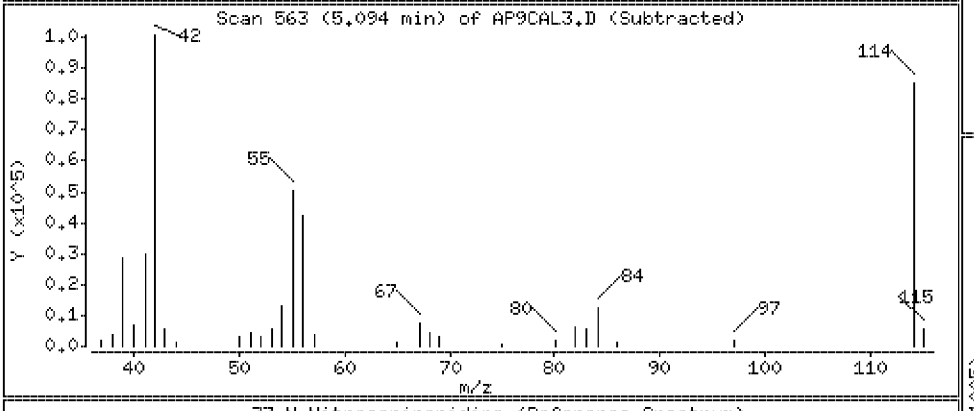
Column diameter: 0.25

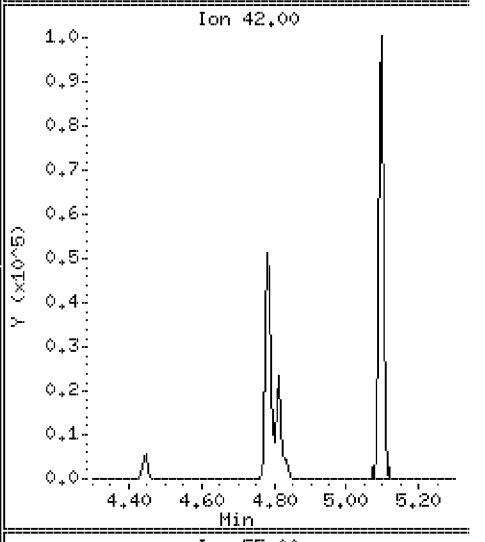
33 N-Nitrosopiperidine

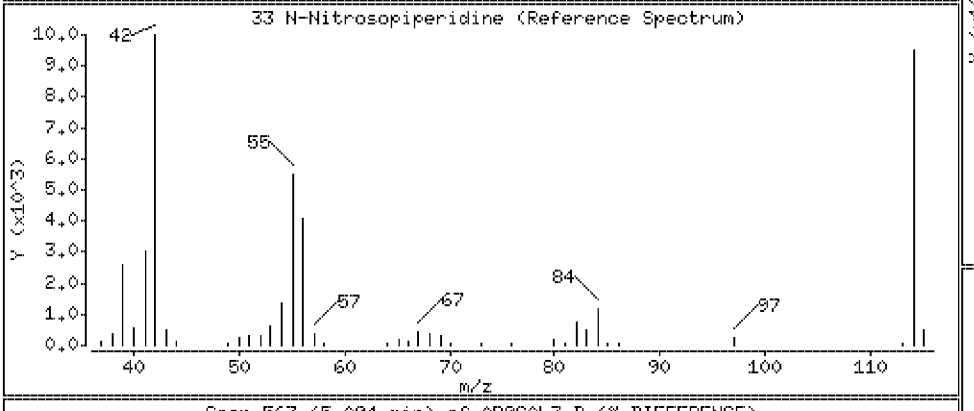
Concentration: 18.4 ug/l

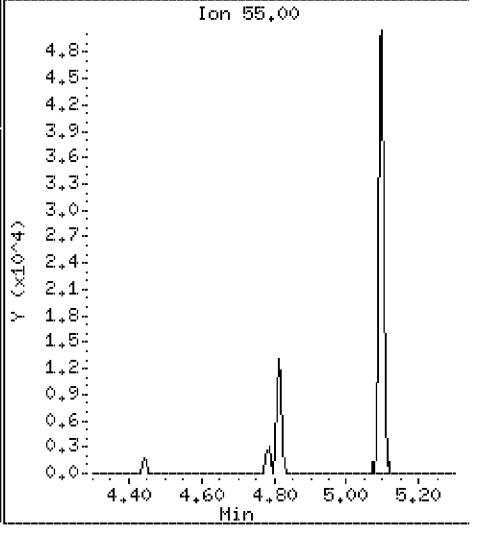


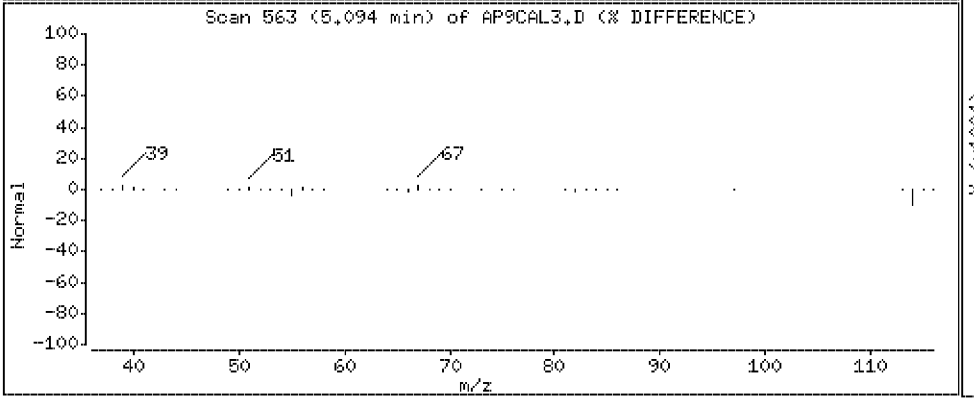












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

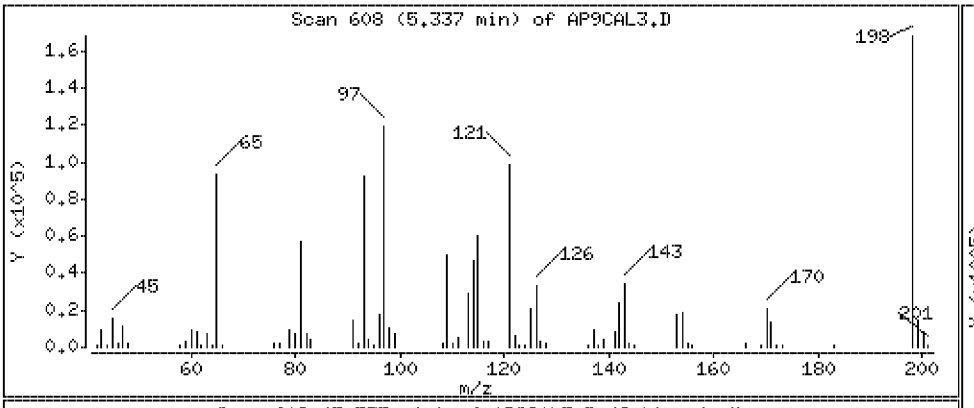
Operator: PEL

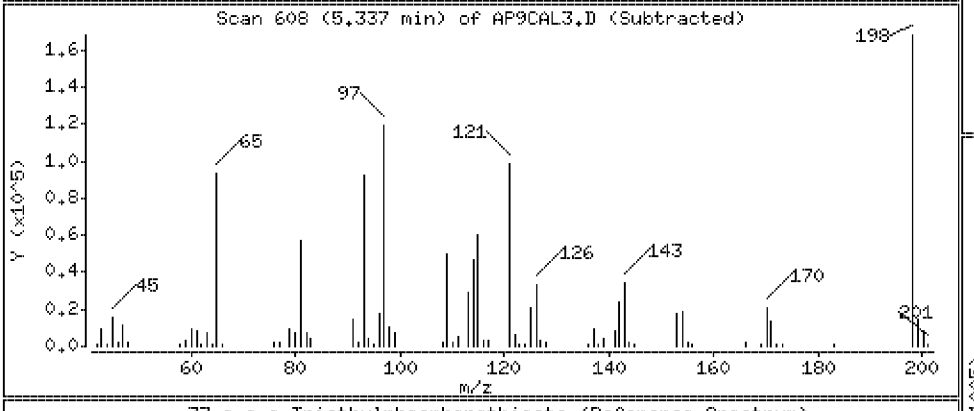
Column phase: HPMS-5

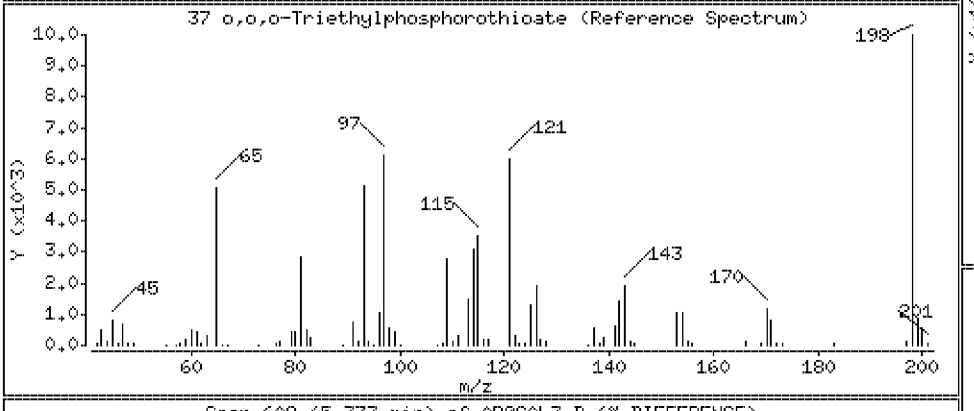
Column diameter: 0.25

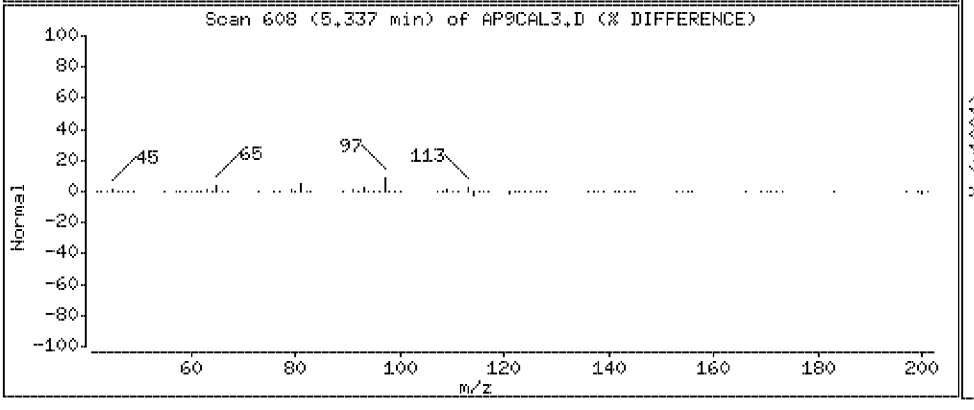
37 o,o,o-Triethylphosphorothioate

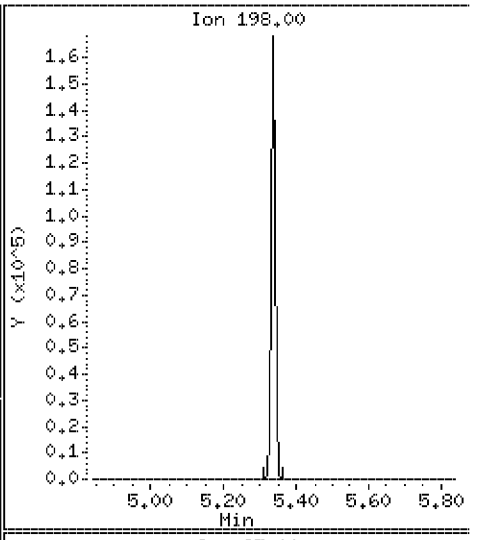
Concentration: 18.7 ug/l

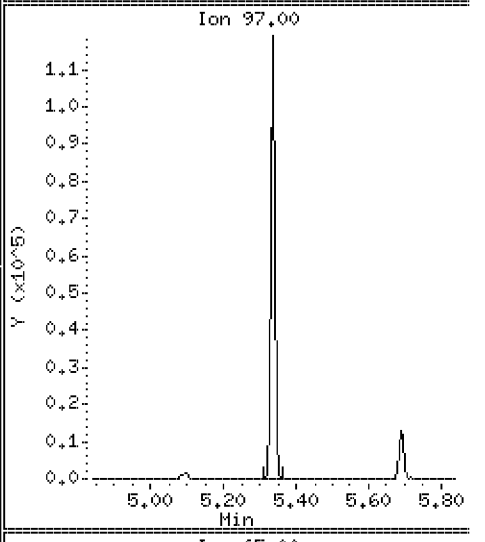


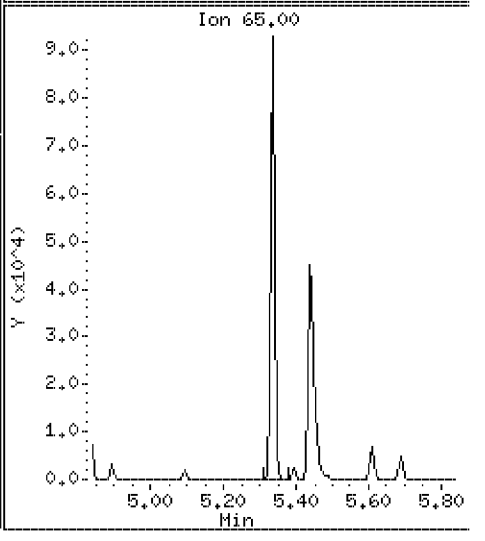












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

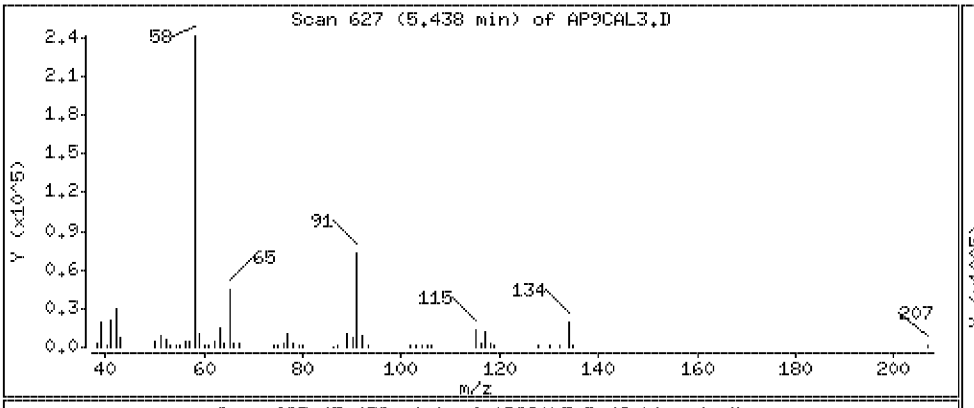
Operator: PEL

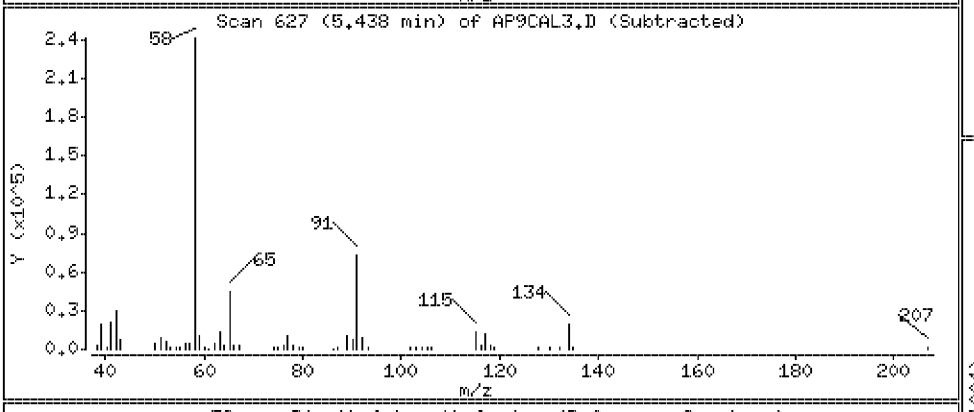
Column phase: HPMS-5

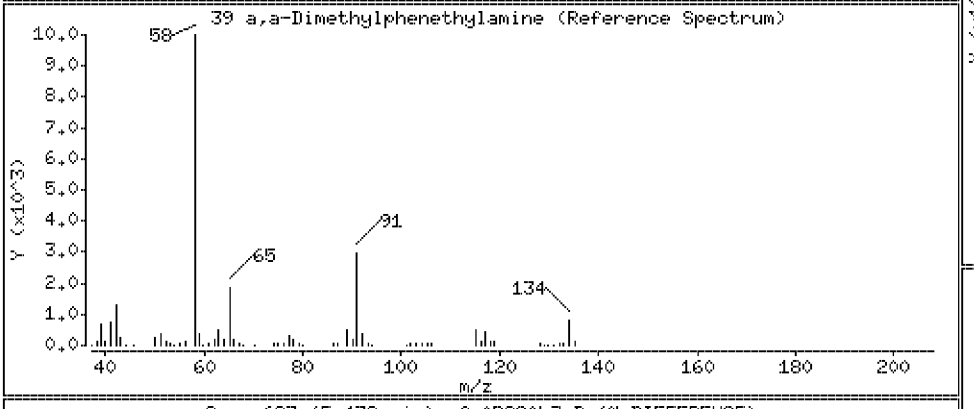
Column diameter: 0.25

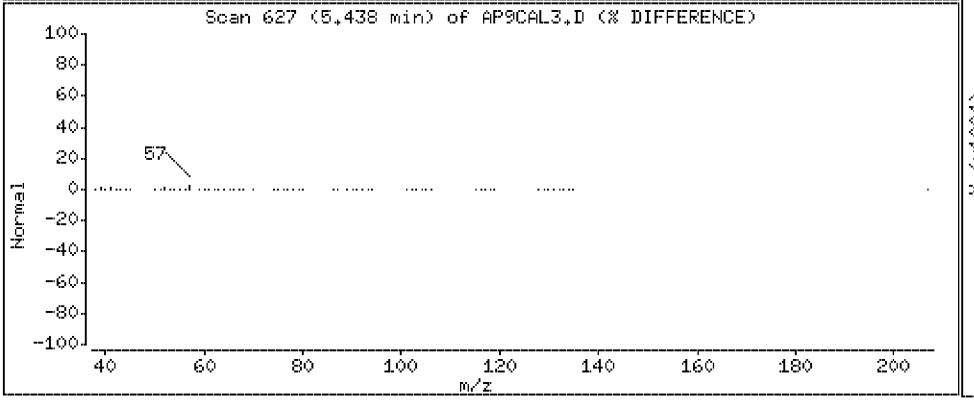
39 a,a-Dimethylphenethylamine

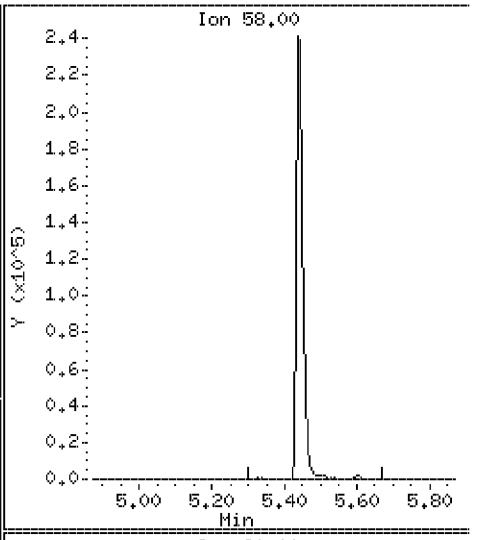
Concentration: 20.0 ug/l

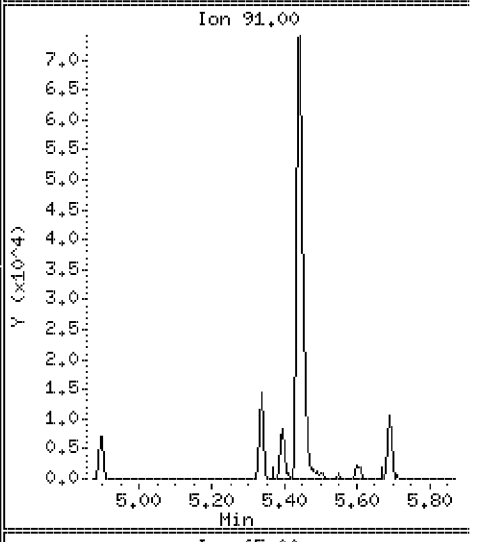


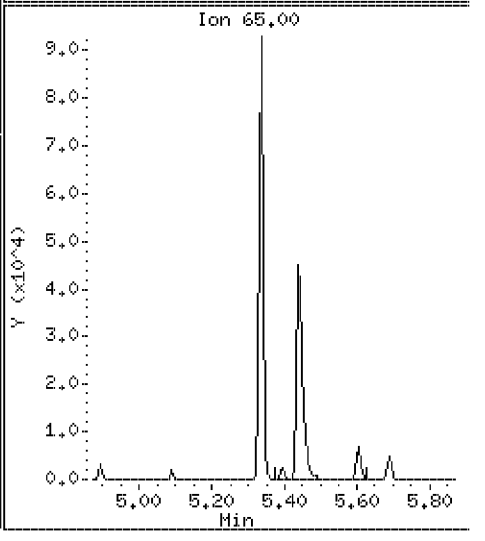












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Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

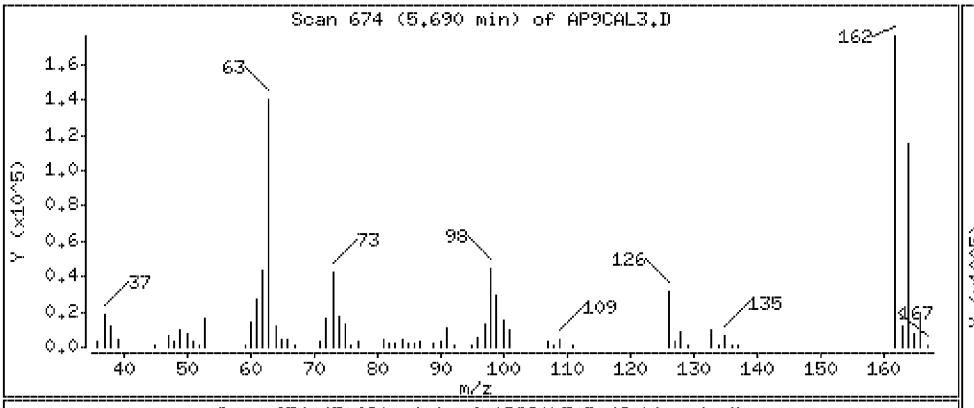
Operator: PEL

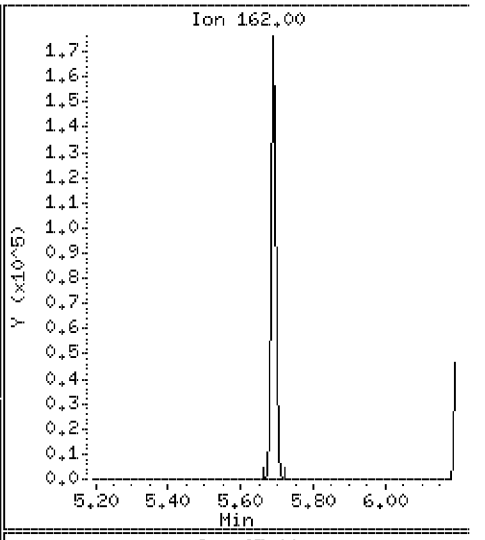
Column phase: HPMS-5

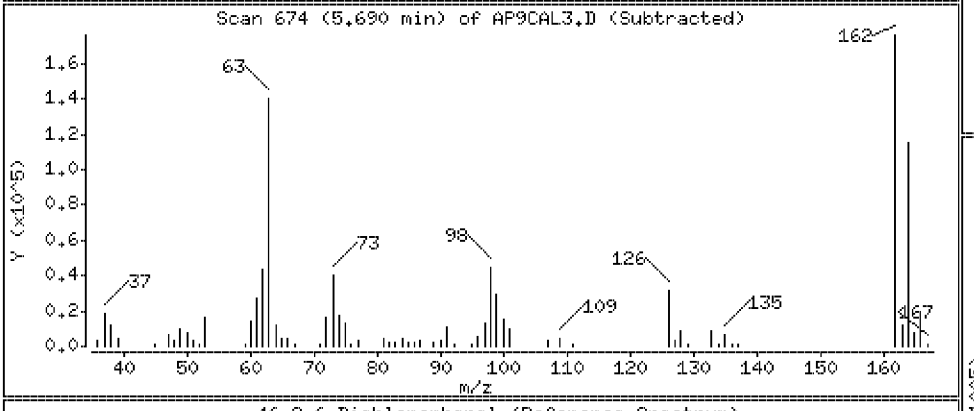
Column diameter: 0.25

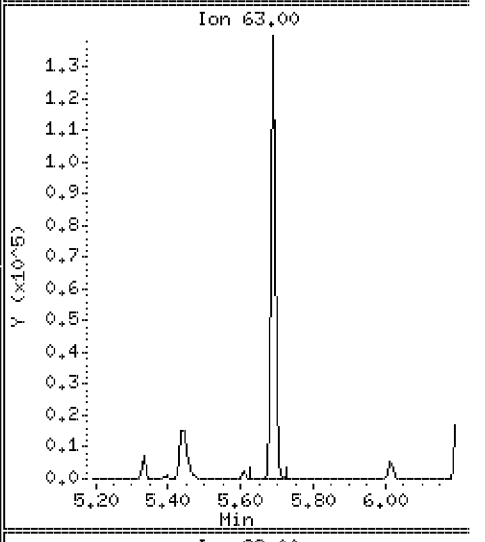
46 2,6-Dichlorophenol

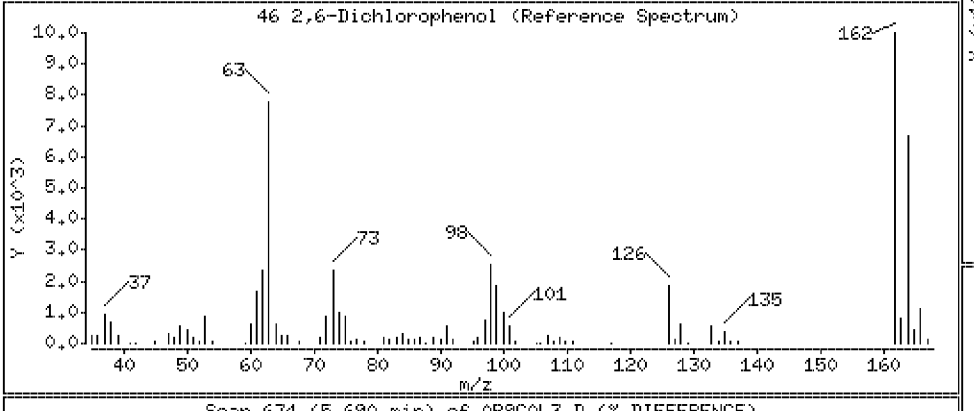
Concentration: 19.1 ug/l

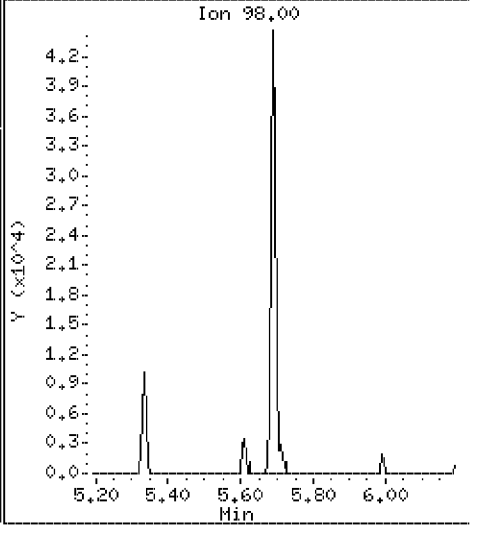


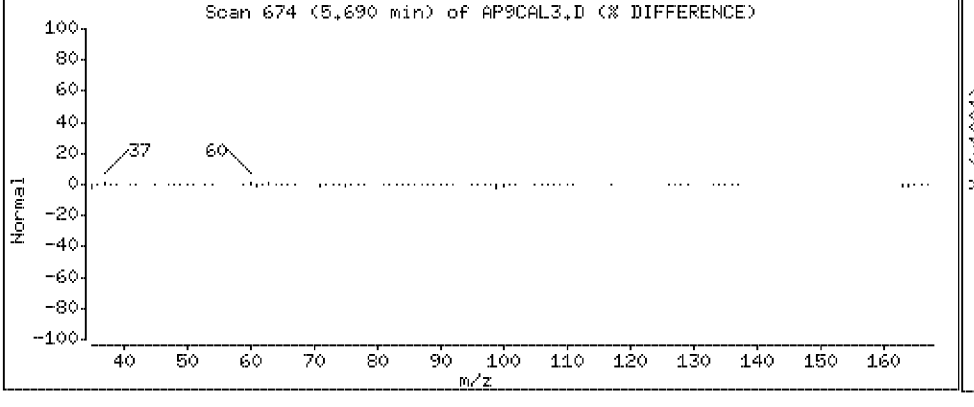












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

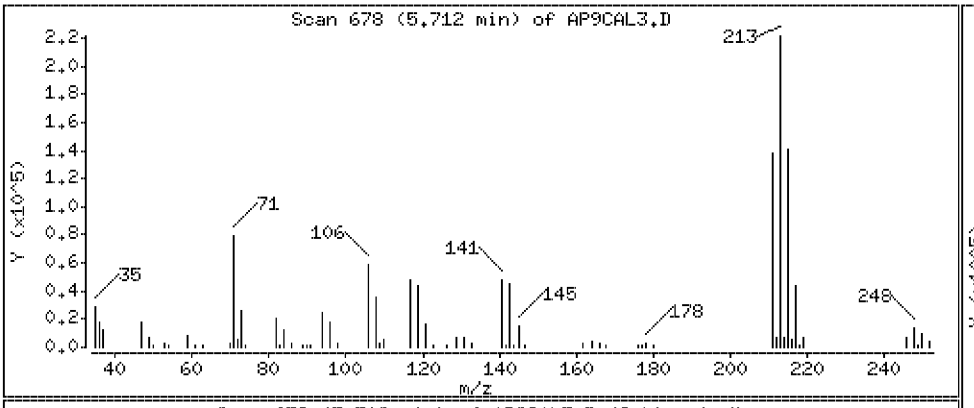
Operator: PEL

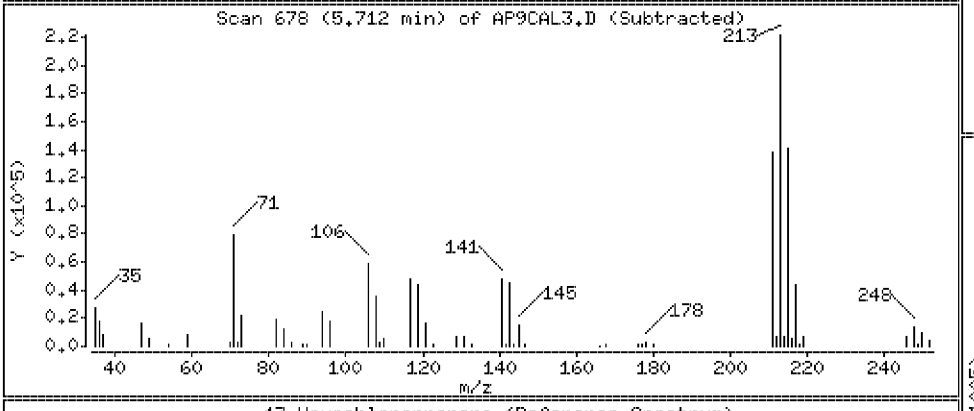
Column phase: HPMS-5

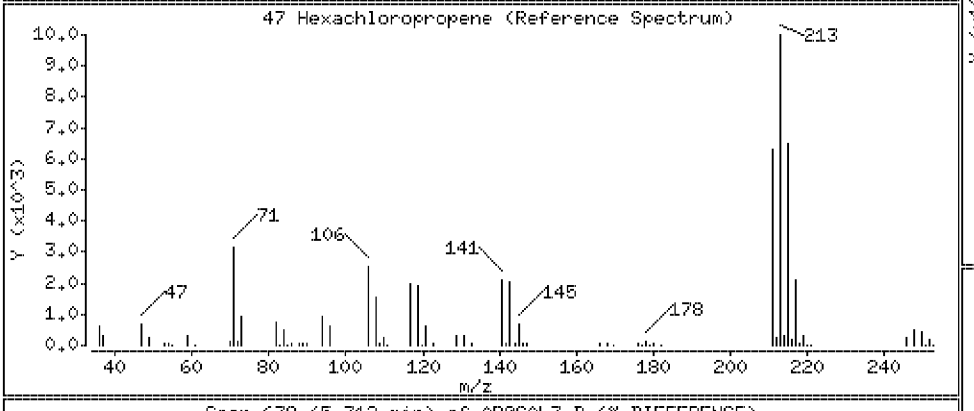
Column diameter: 0.25

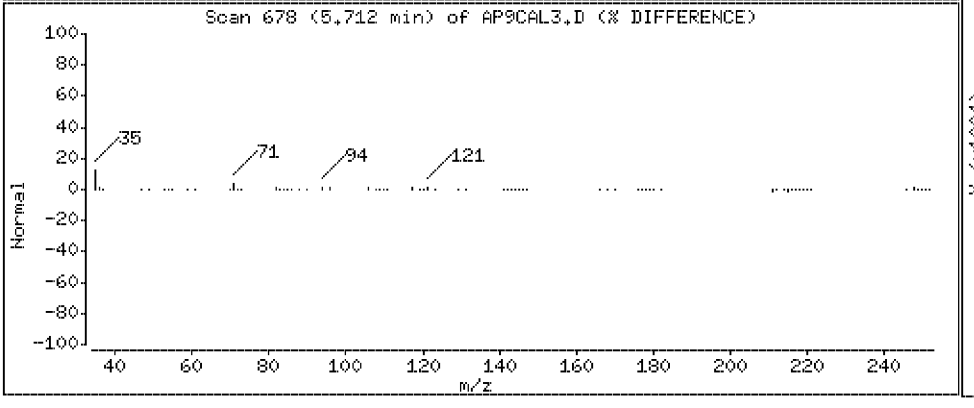
47 Hexachloropropene

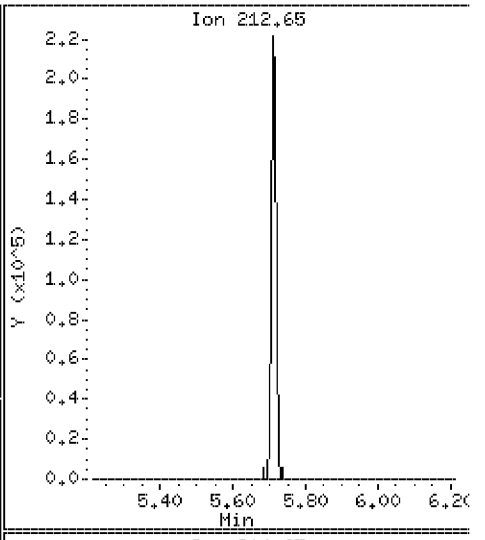
Concentration: 18.4 ug/l

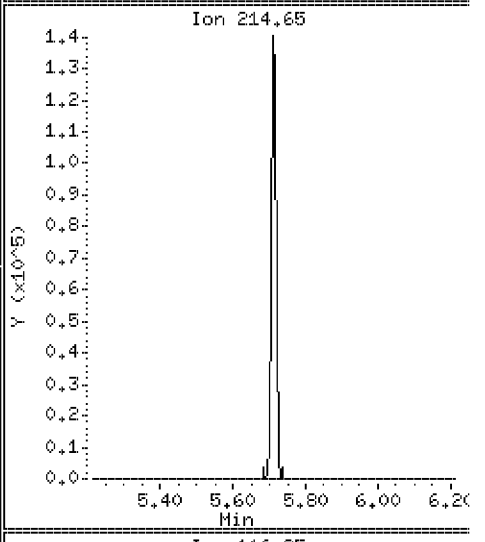


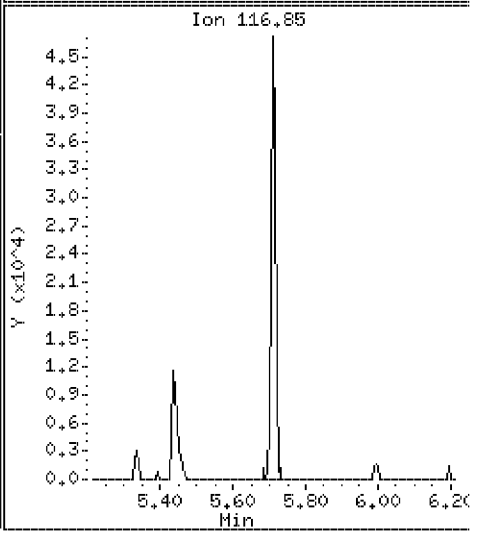












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

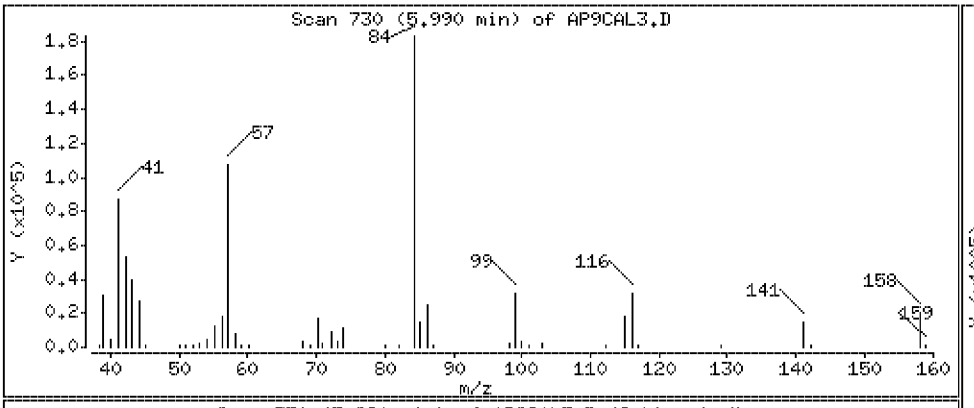
Operator: PEL

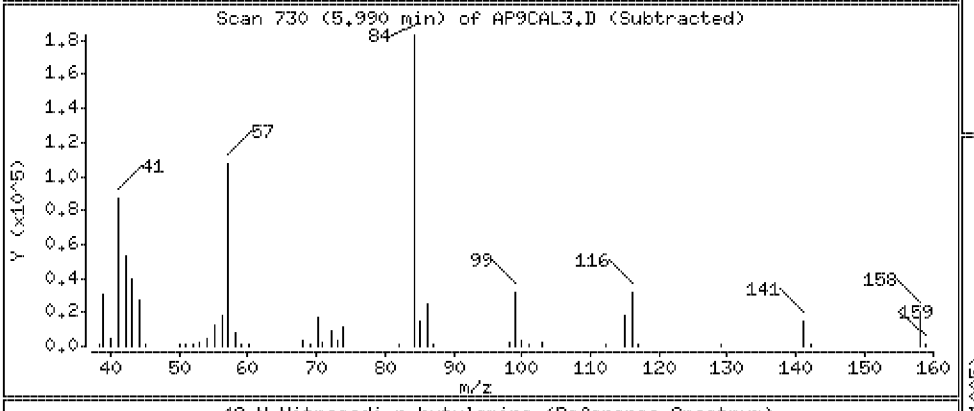
Column phase: HPMS-5

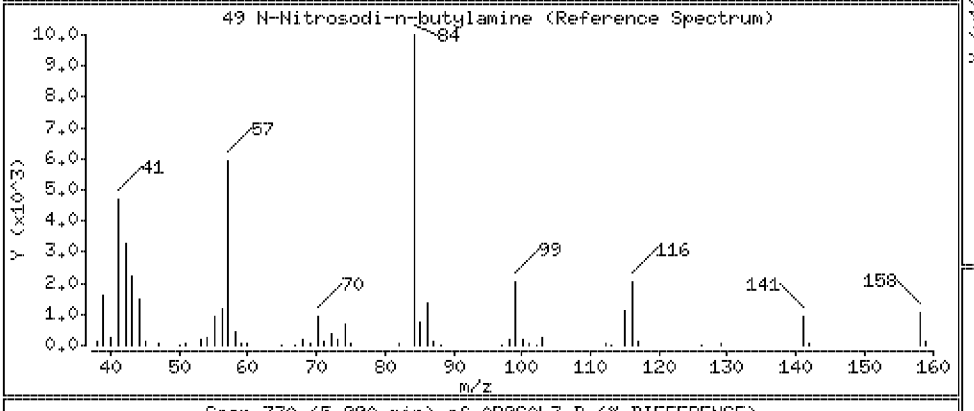
Column diameter: 0.25

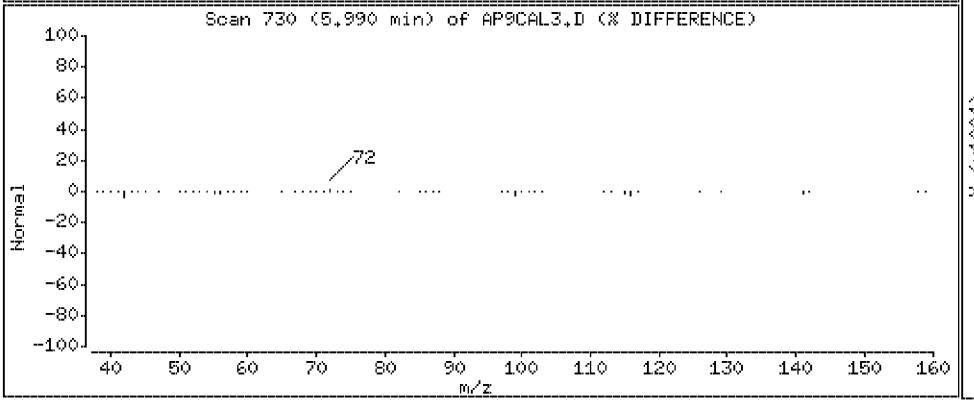
49 N-Nitrosodi-n-butylamine

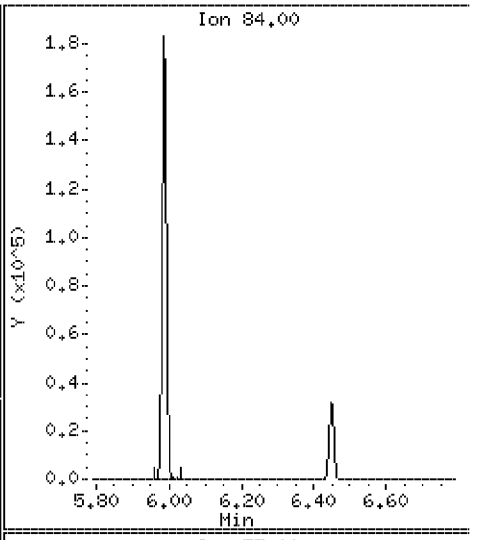
Concentration: 19.2 ug/l

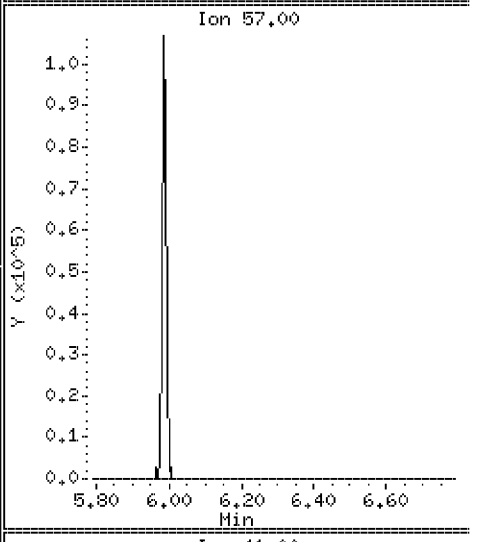


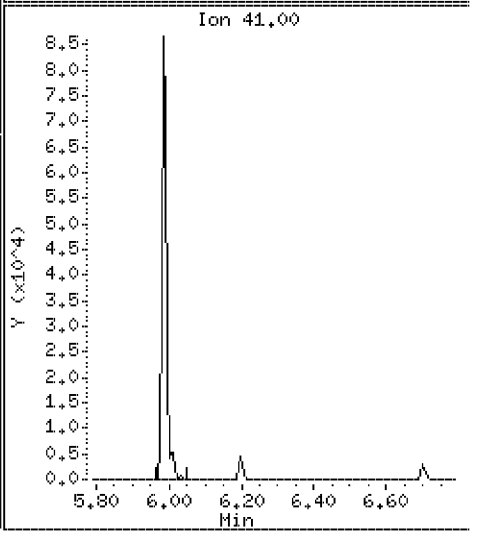












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

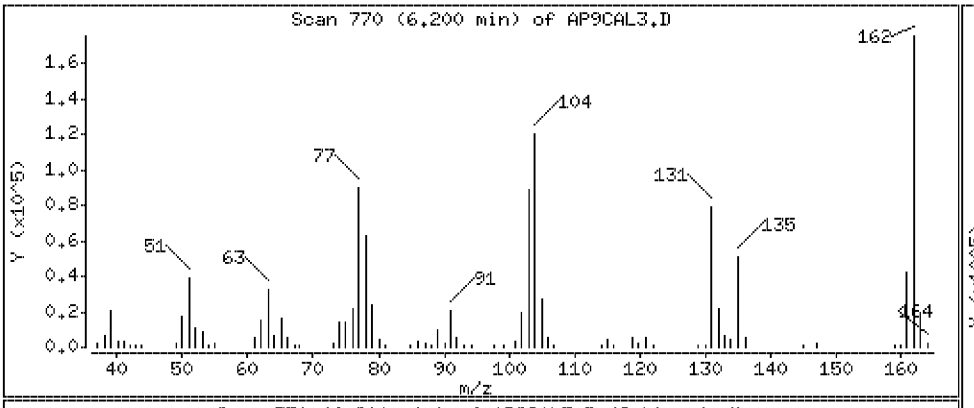
Operator: PEL

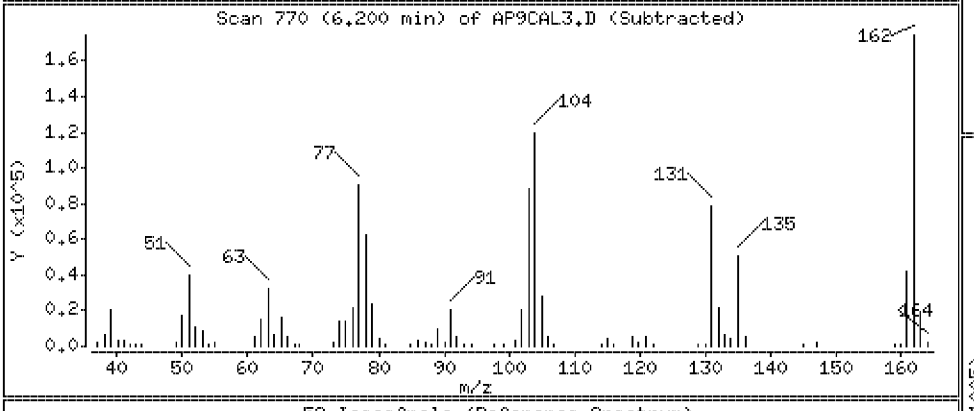
Column phase: HPMS-5

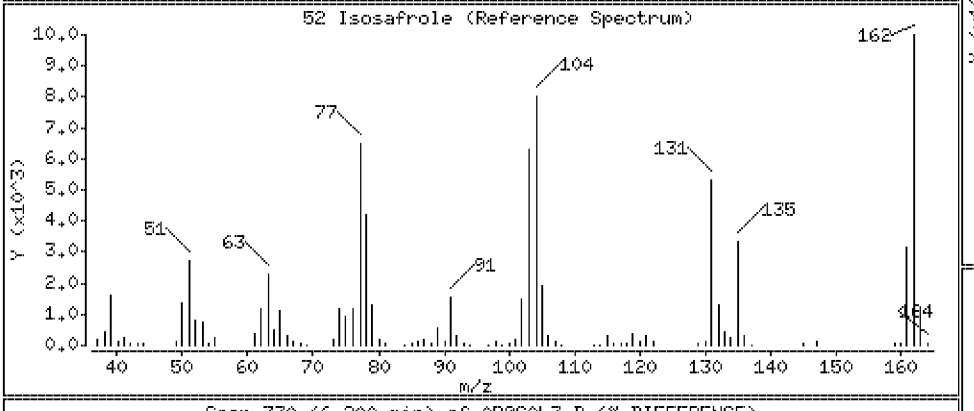
Column diameter: 0.25

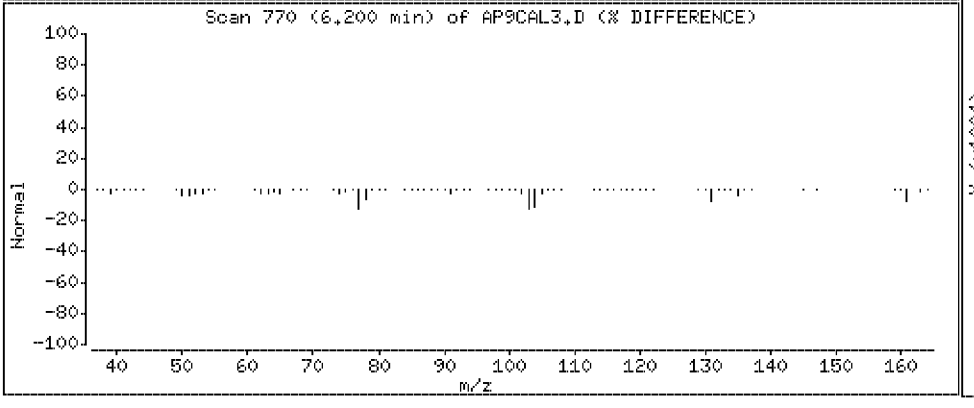
52 Isosafrole

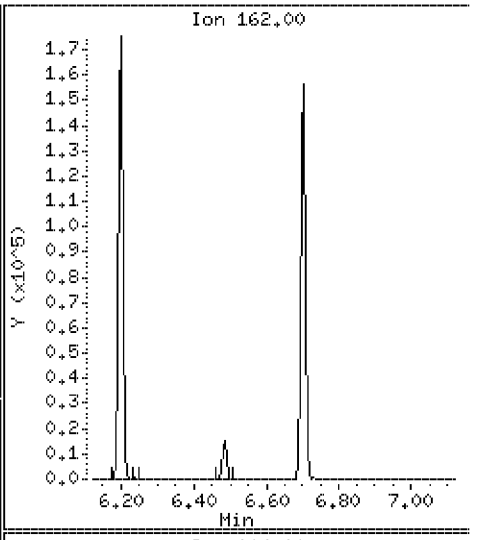
Concentration: 18.7 ug/l

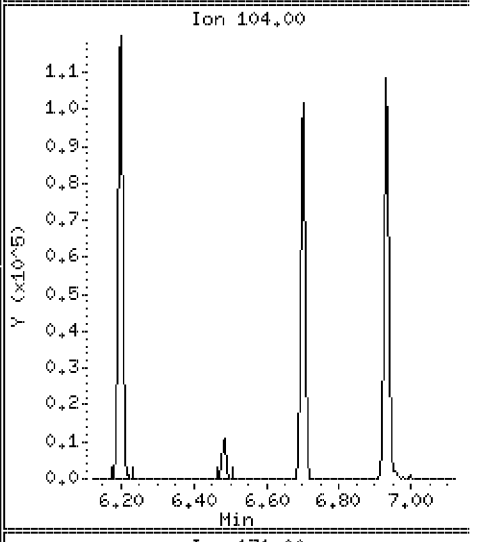


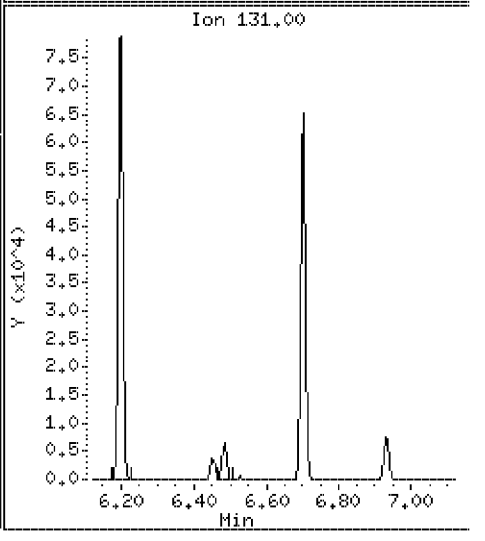












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

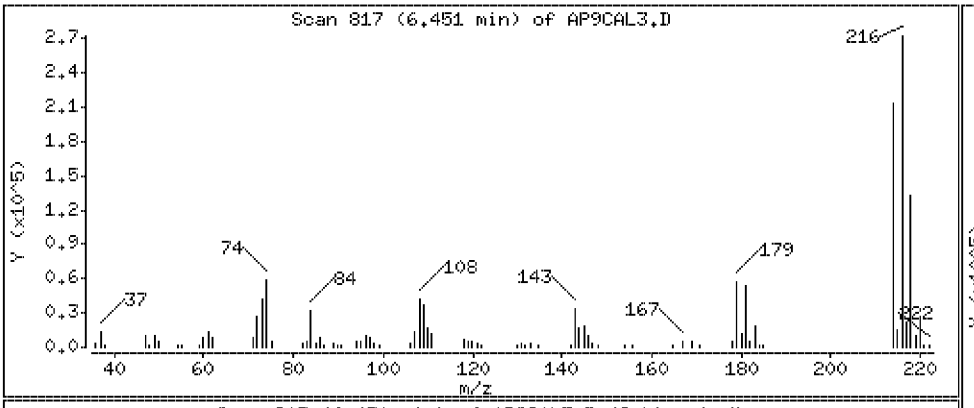
Operator: PEL

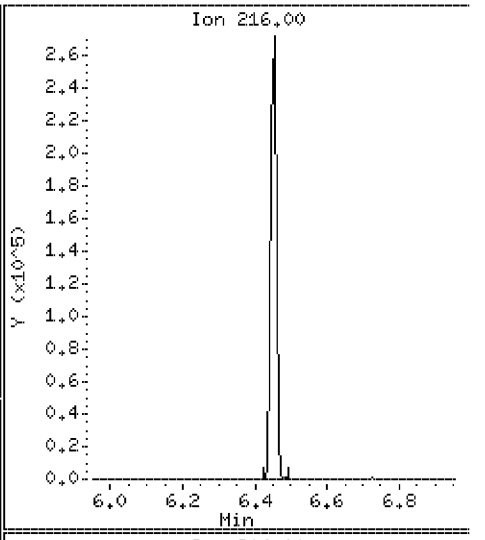
Column phase: HPMS-5

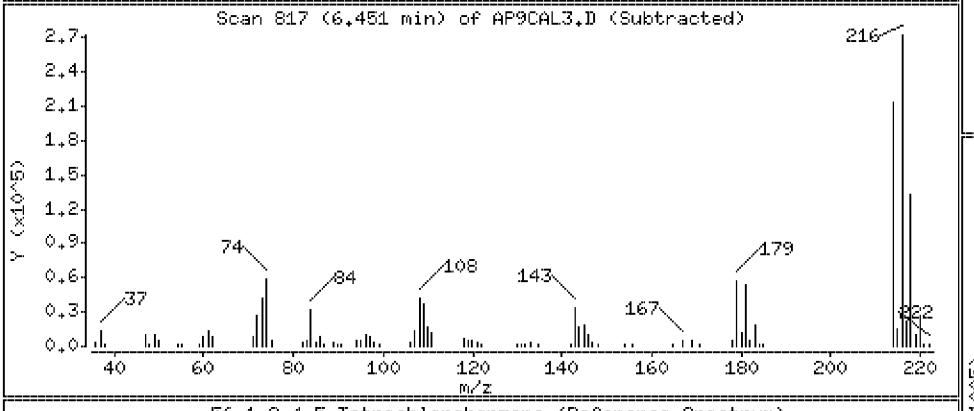
Column diameter: 0.25

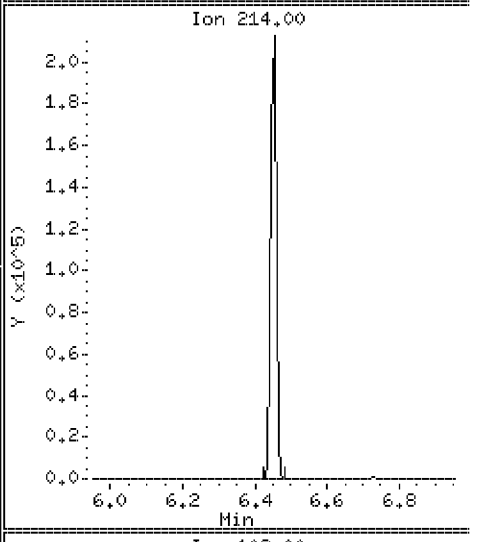
56 1,2,4,5-Tetrachlorobenzene

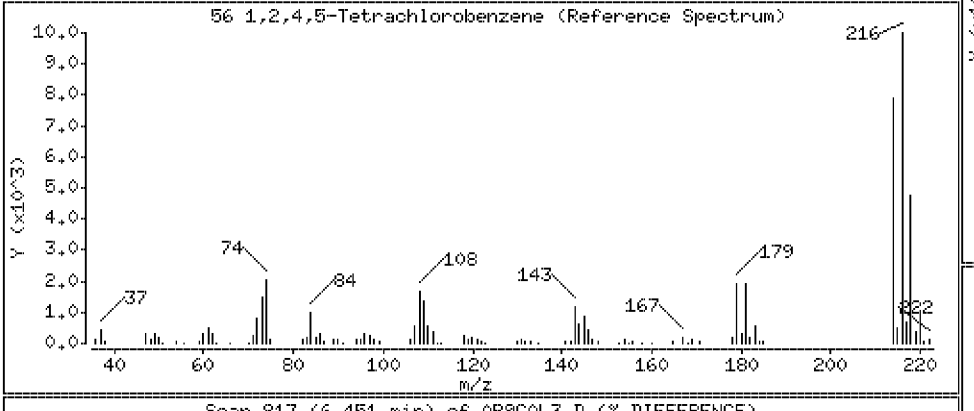
Concentration: 18.9 ug/l

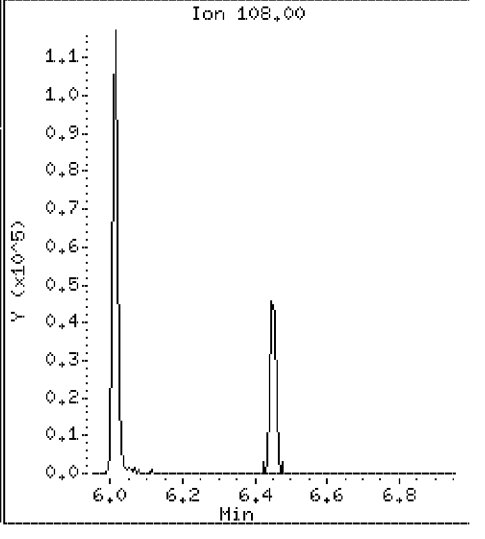


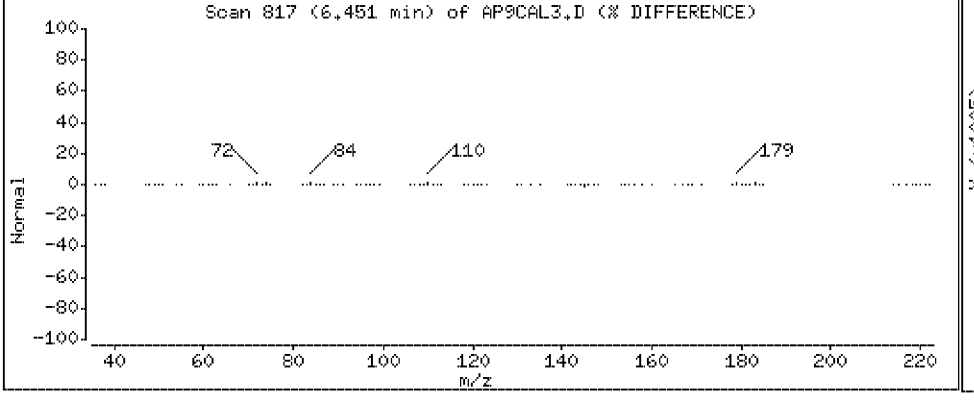












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

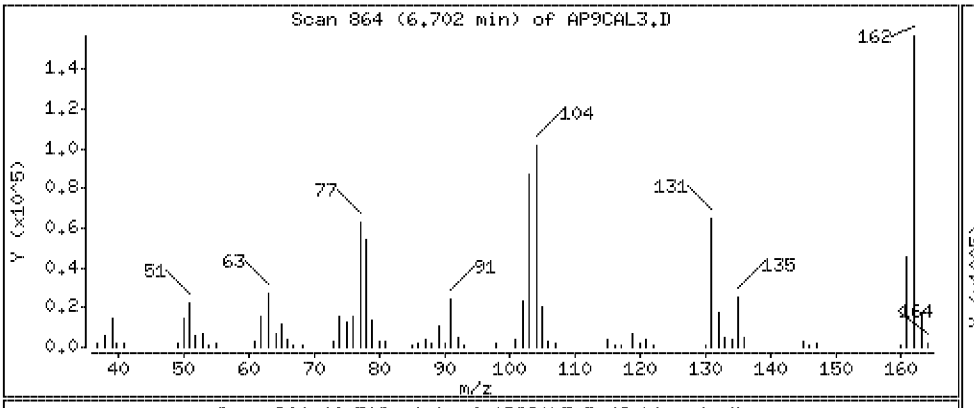
Operator: PEL

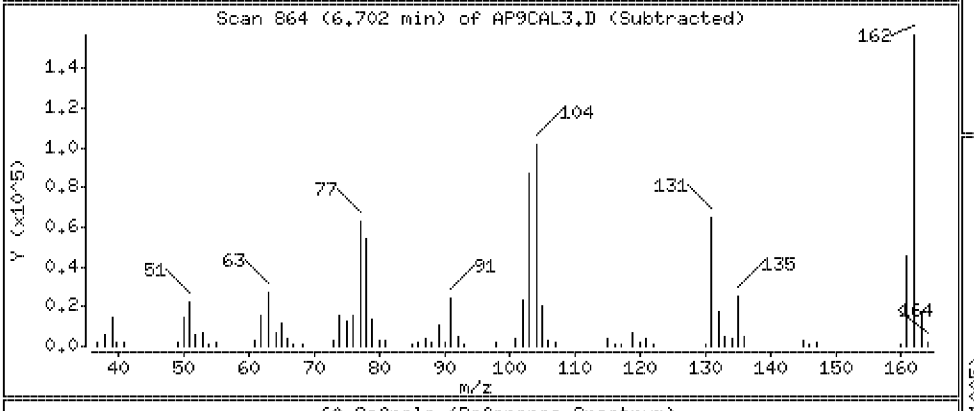
Column phase: HPMS-5

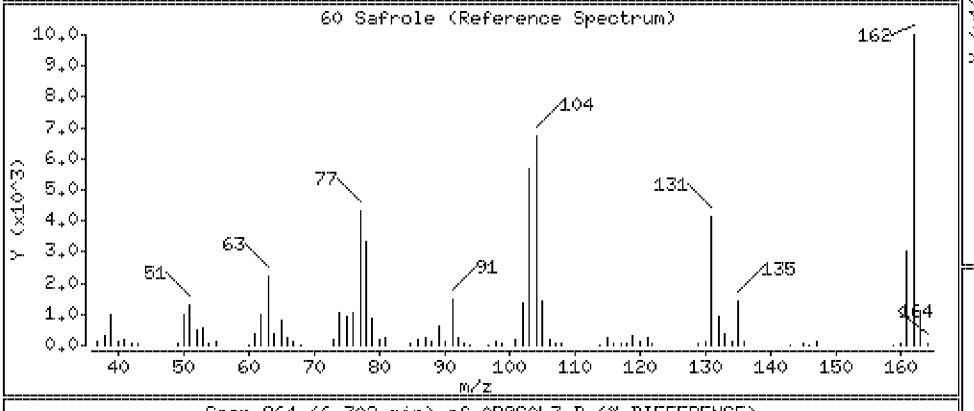
Column diameter: 0.25

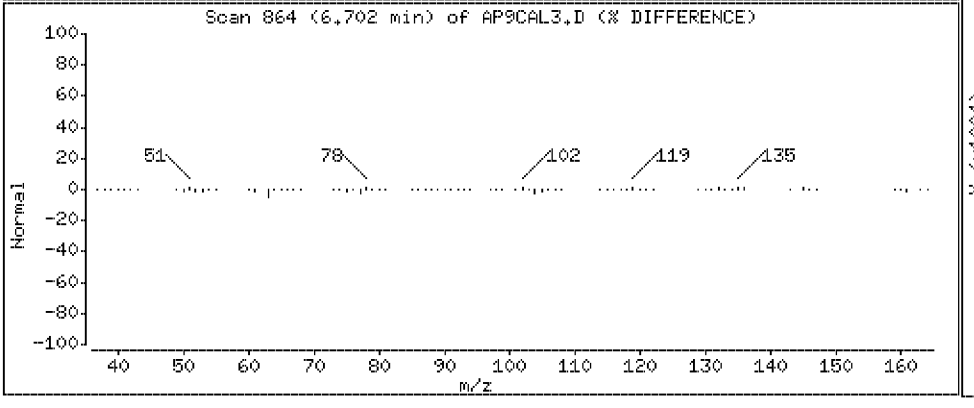
60 Safrole

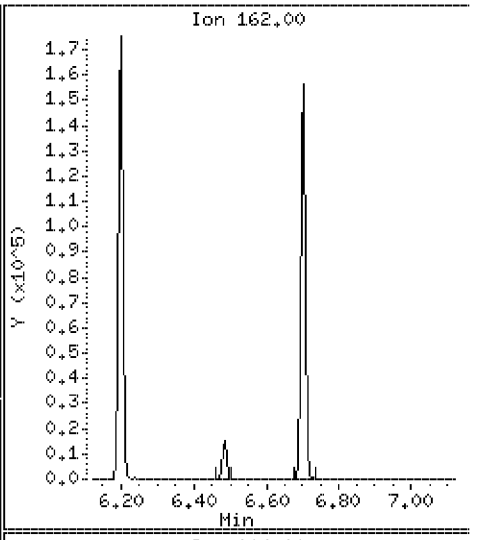
Concentration: 18.2 ug/l

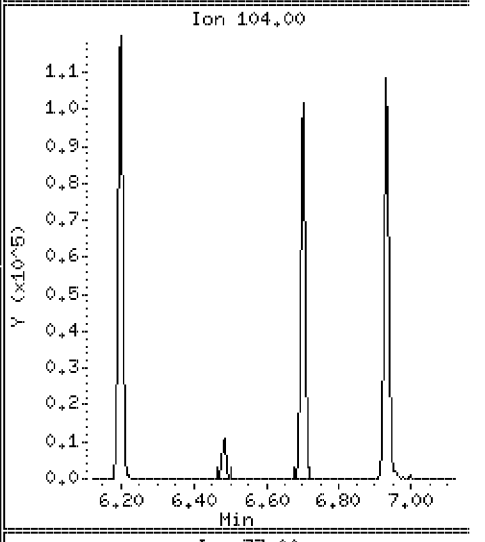


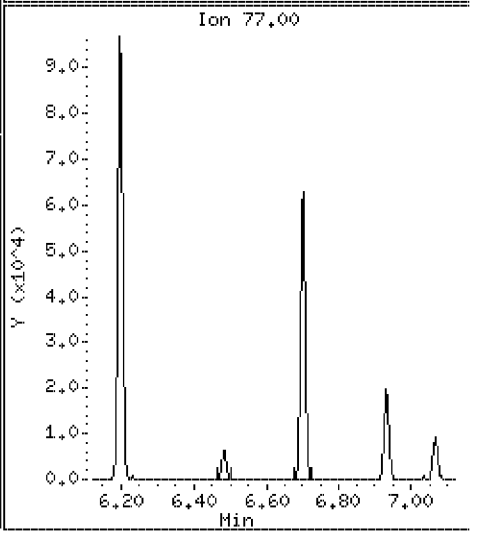












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

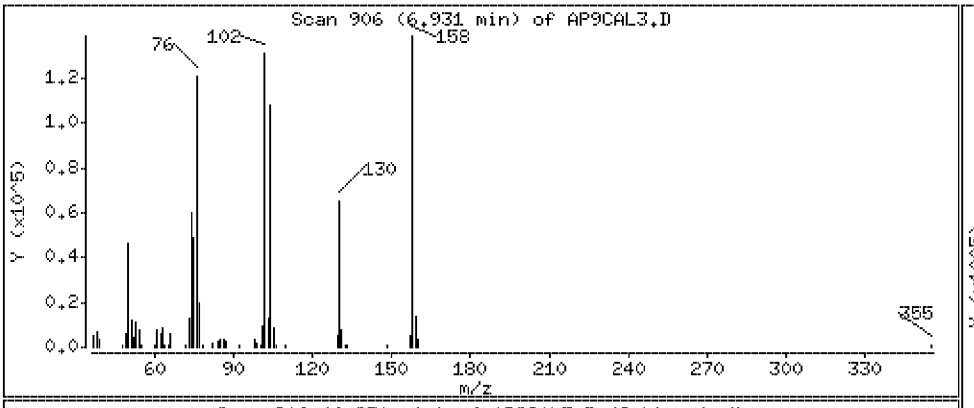
Operator: PEL

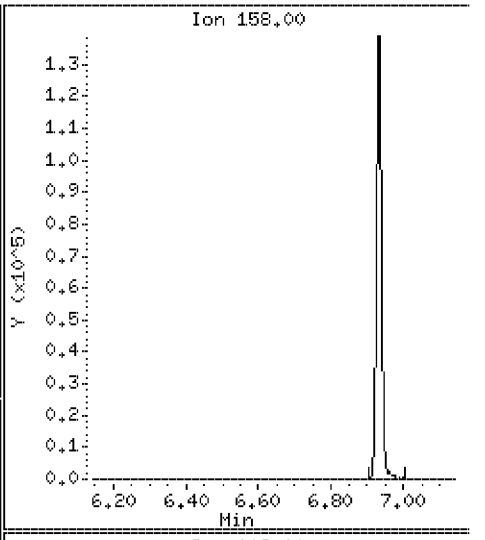
Column phase: HPMS-5

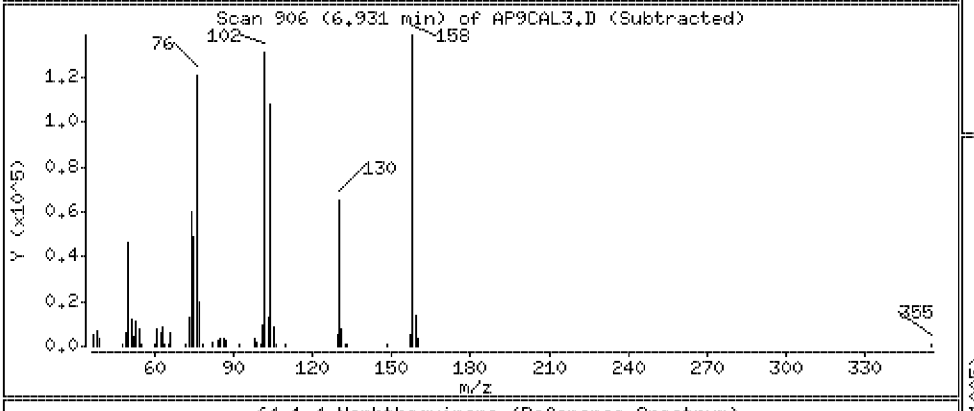
Column diameter: 0.25

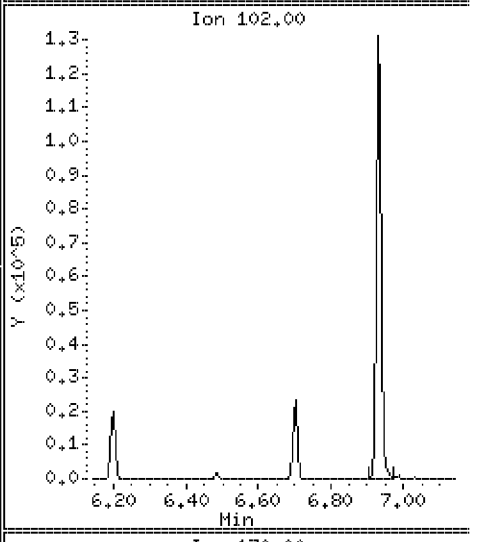
64 1,4-Naphthoquinone

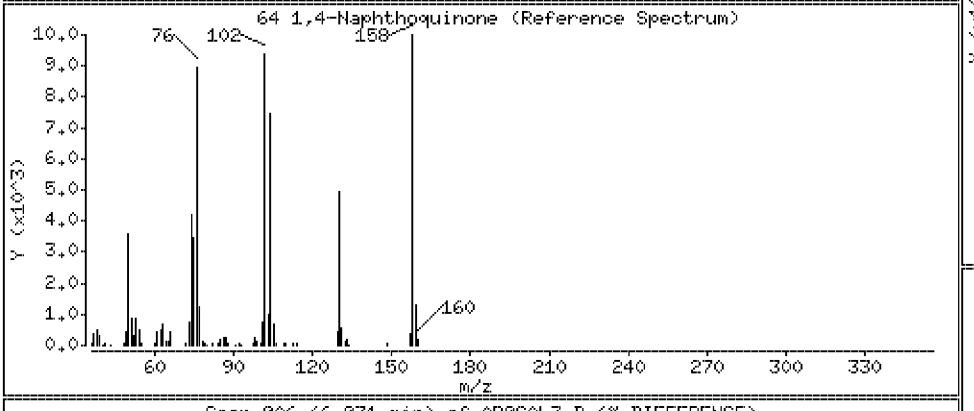
Concentration: 19.7 ug/l

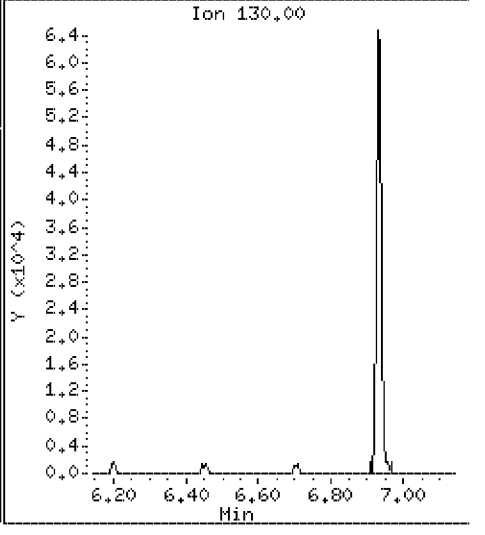


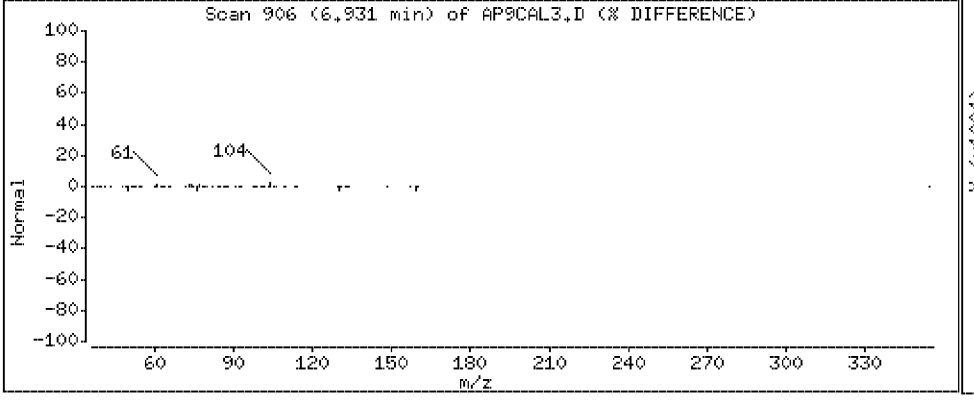












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

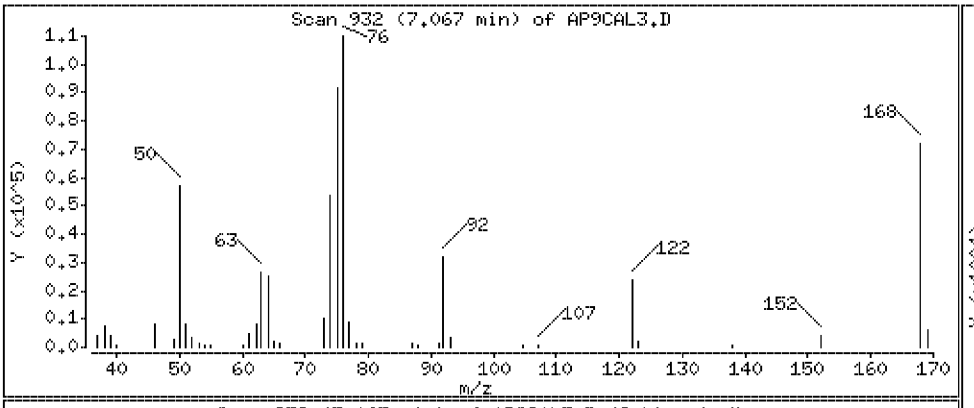
Operator: PEL

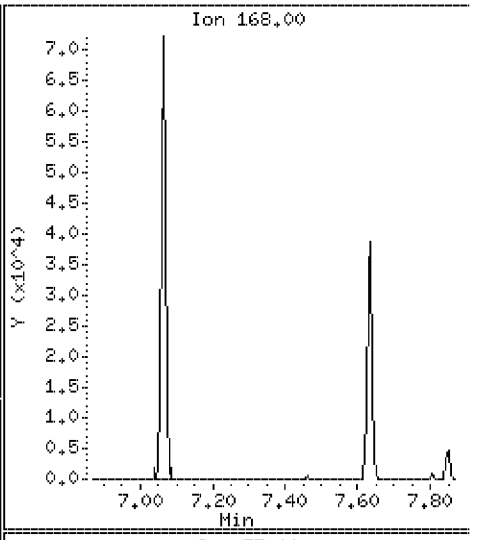
Column phase: HPMS-5

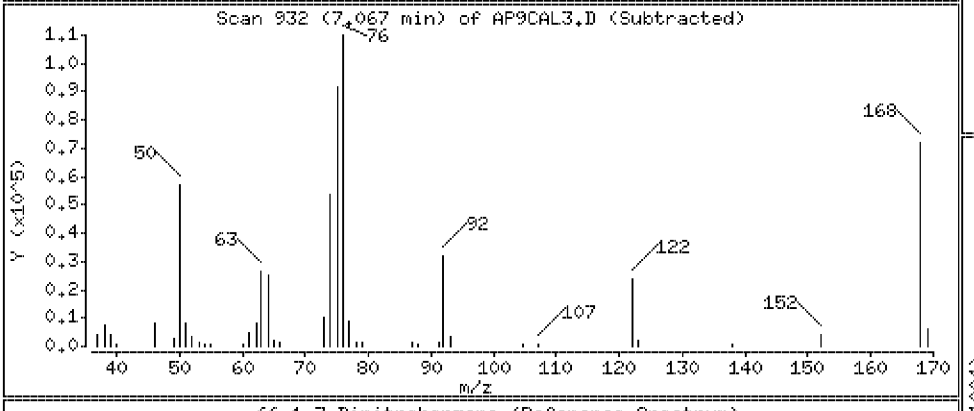
Column diameter: 0.25

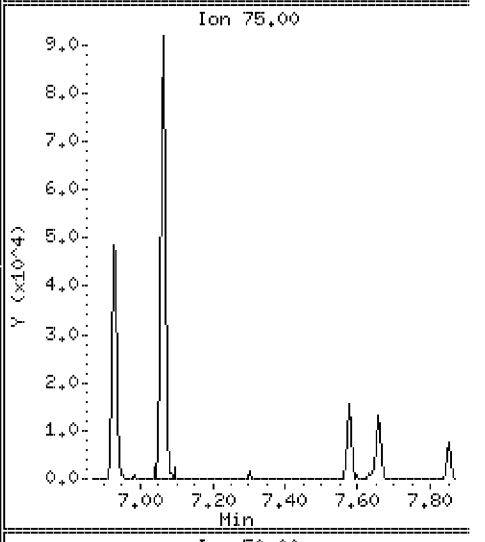
66 1,3-Dinitrobenzene

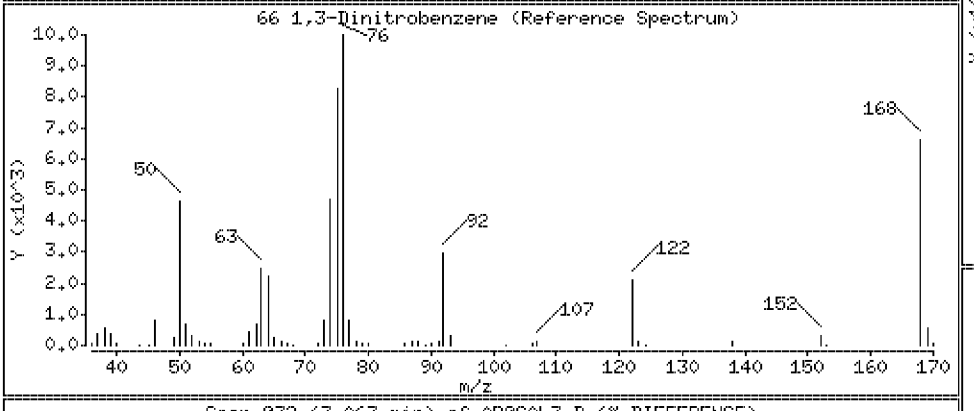
Concentration: 18.9 ug/l

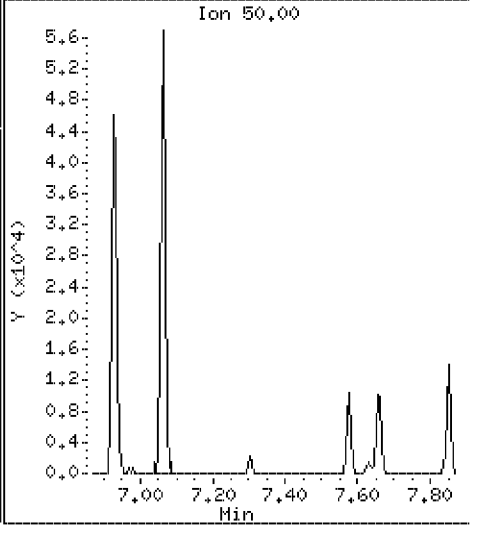


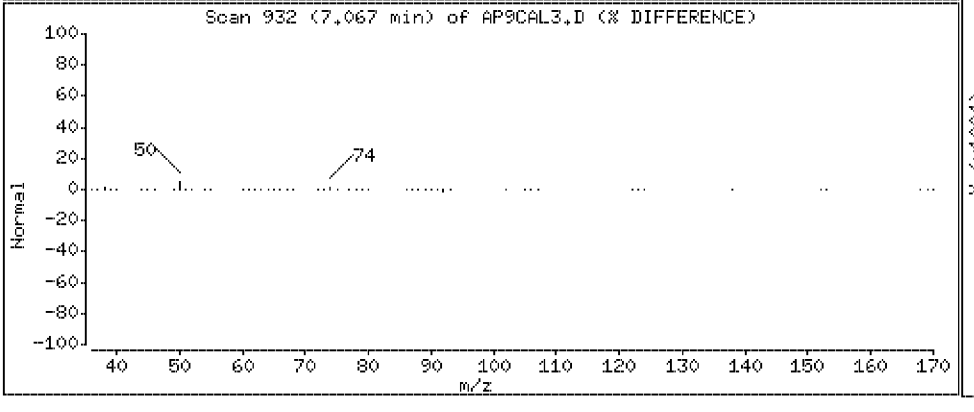












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

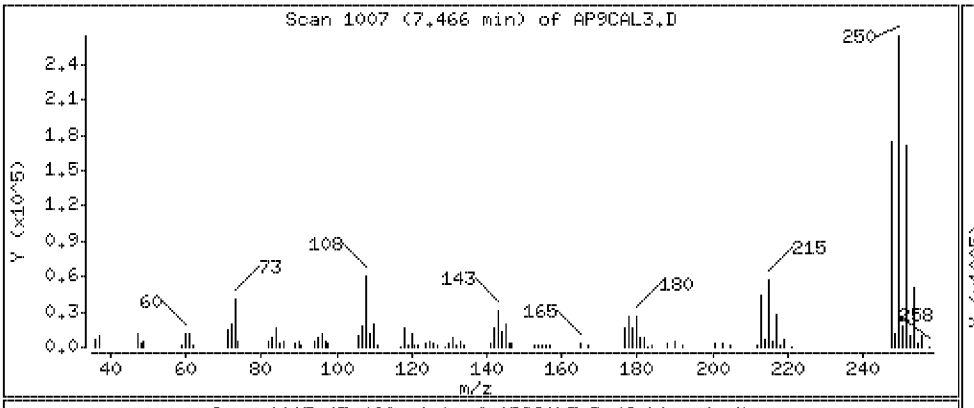
Operator: PEL

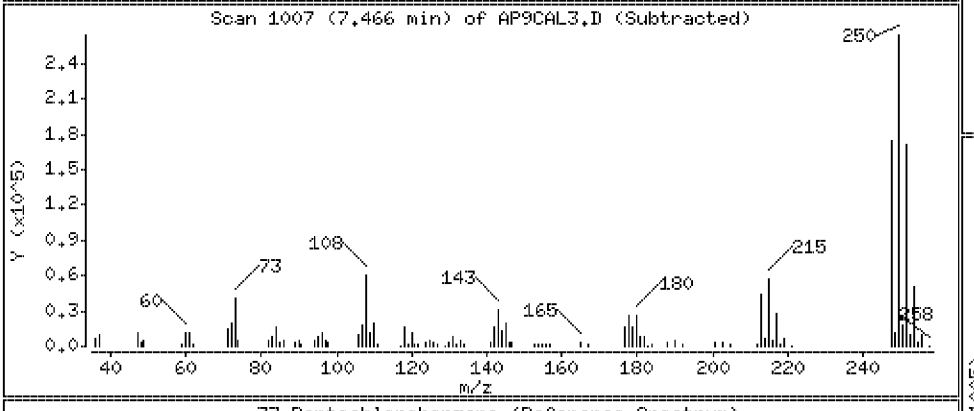
Column phase: HPMS-5

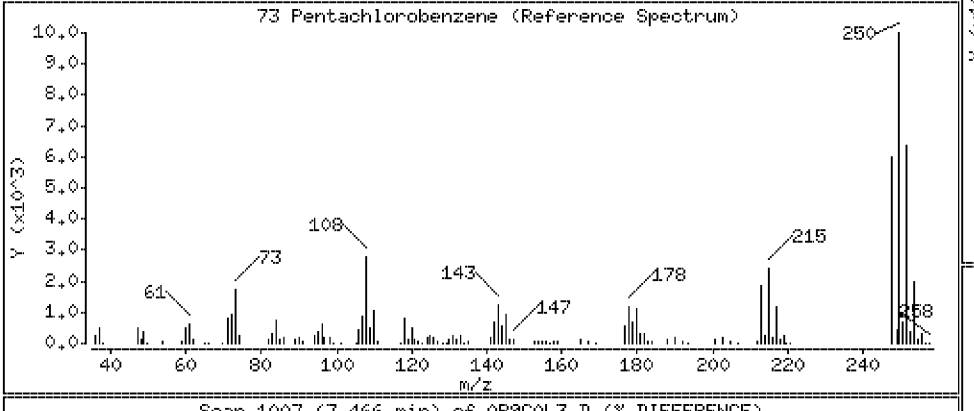
Column diameter: 0.25

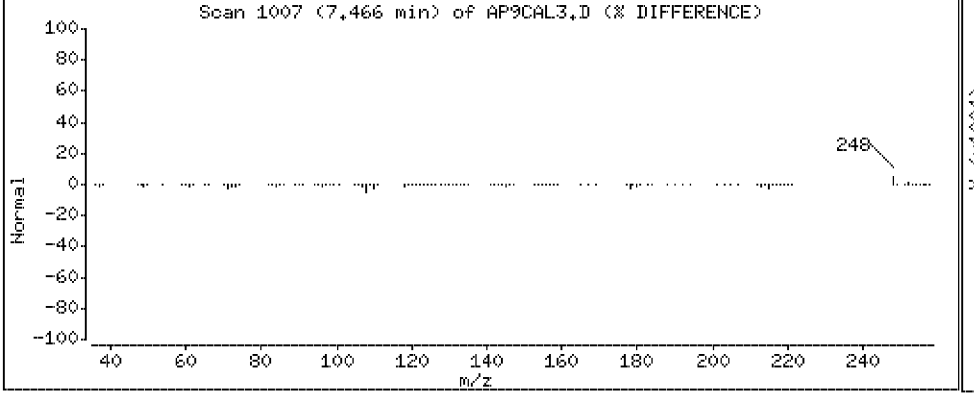
73 Pentachlorobenzene

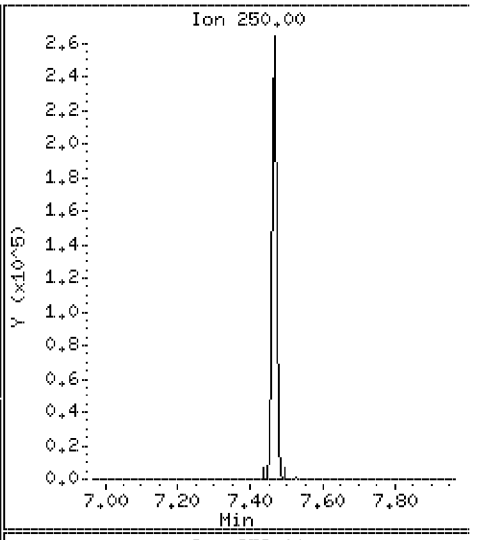
Concentration: 19.0 ug/l

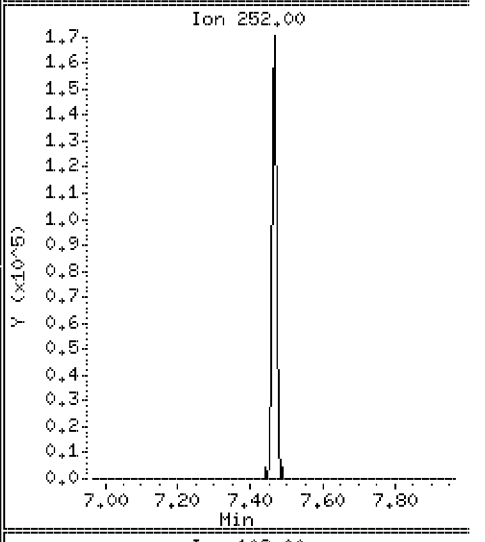


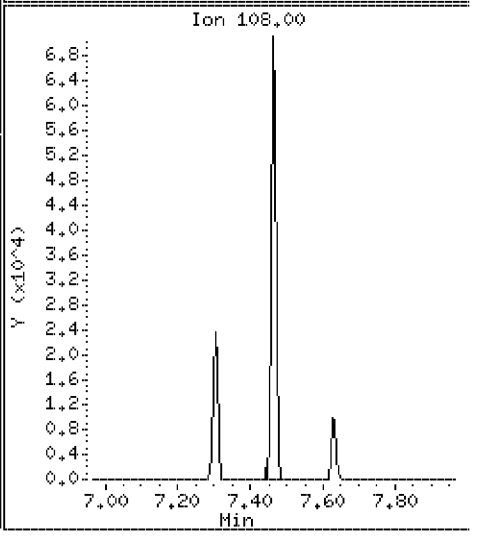












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

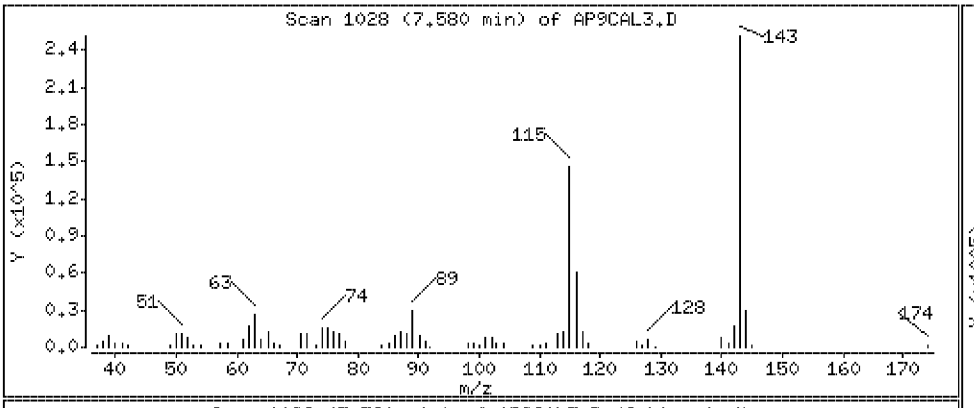
Operator: PEL

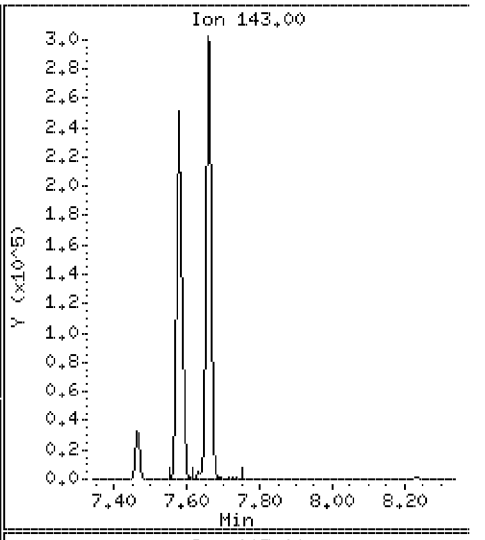
Column phase: HPMS-5

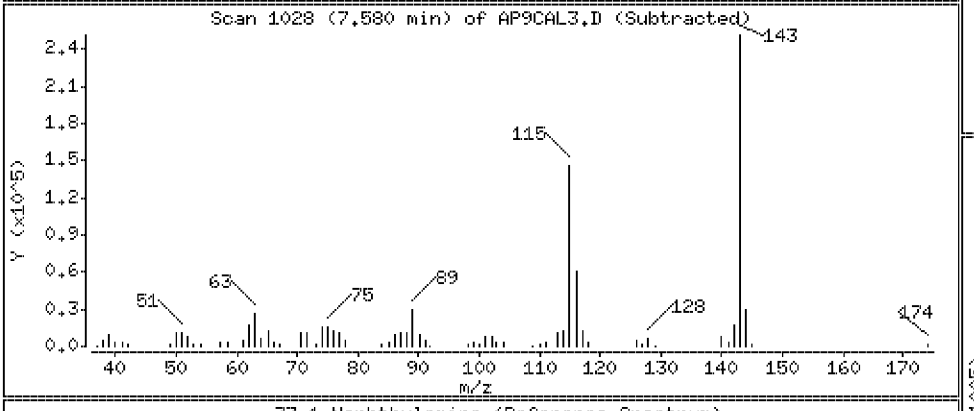
Column diameter: 0.25

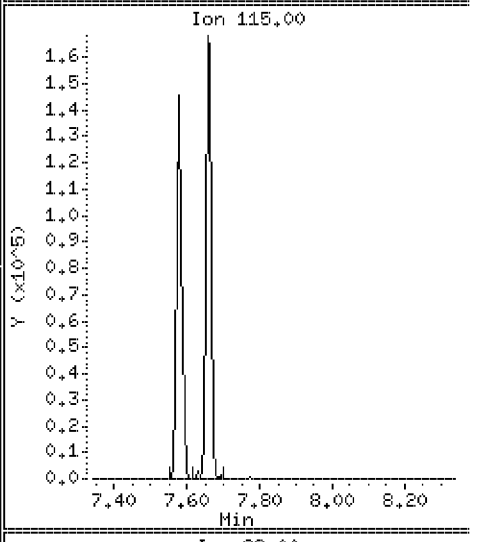
77 1-Naphthylamine

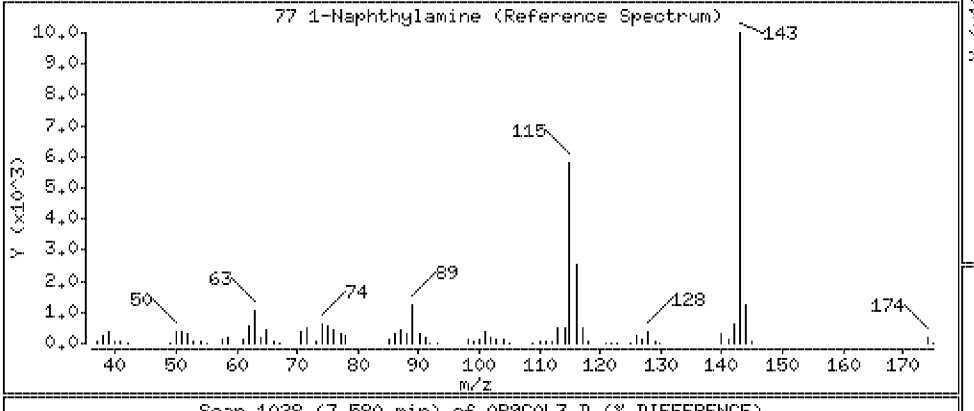
Concentration: 19.5 ug/l

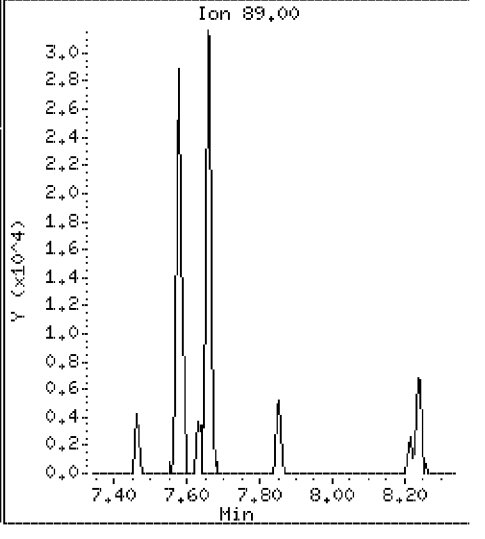


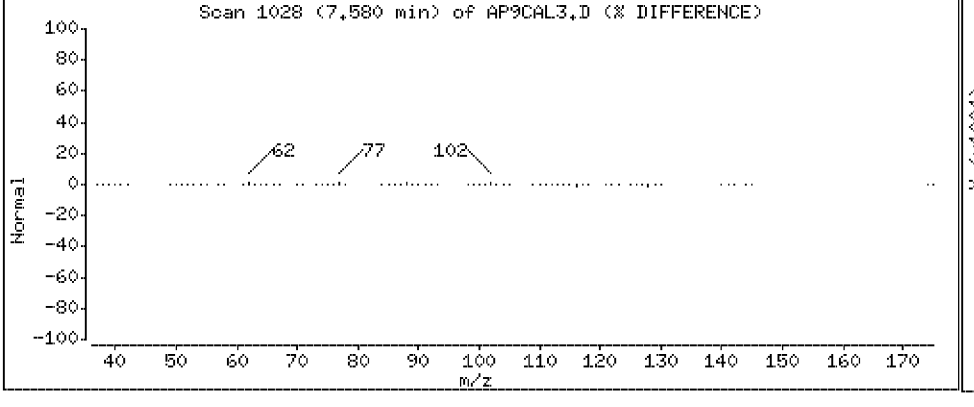












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

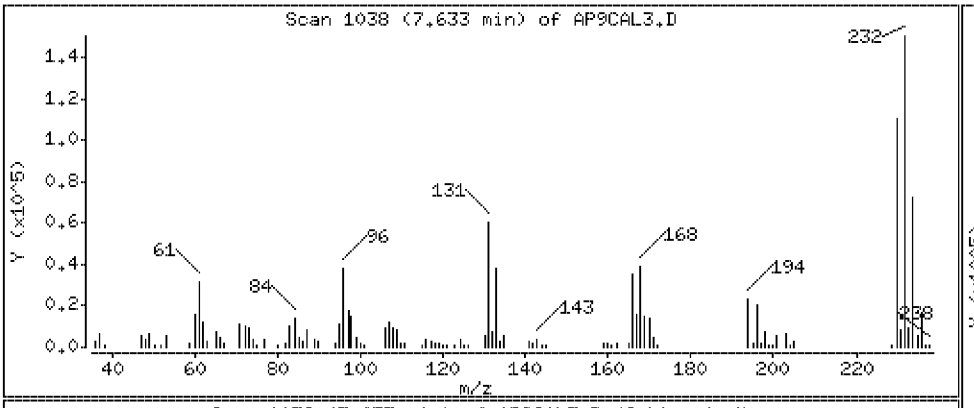
Operator: PEL

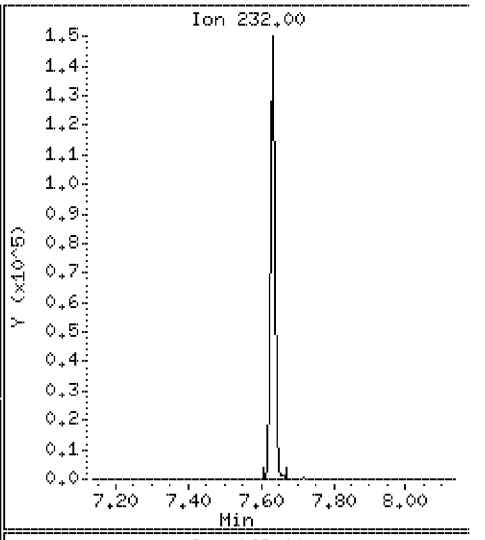
Column phase: HPMS-5

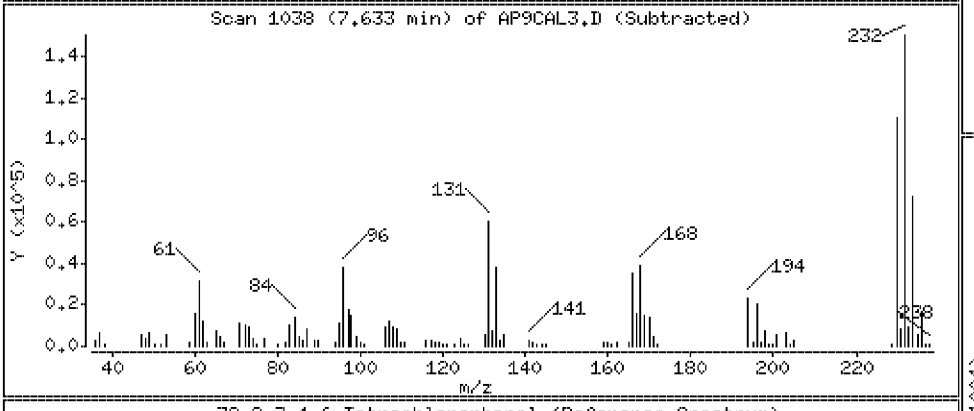
Column diameter: 0.25

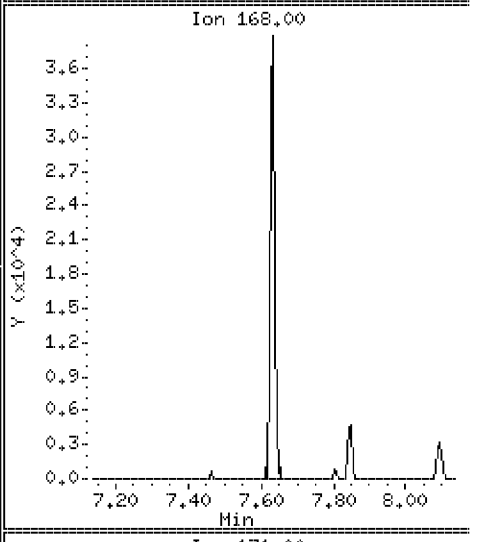
78 2,3,4,6-Tetrachlorophenol

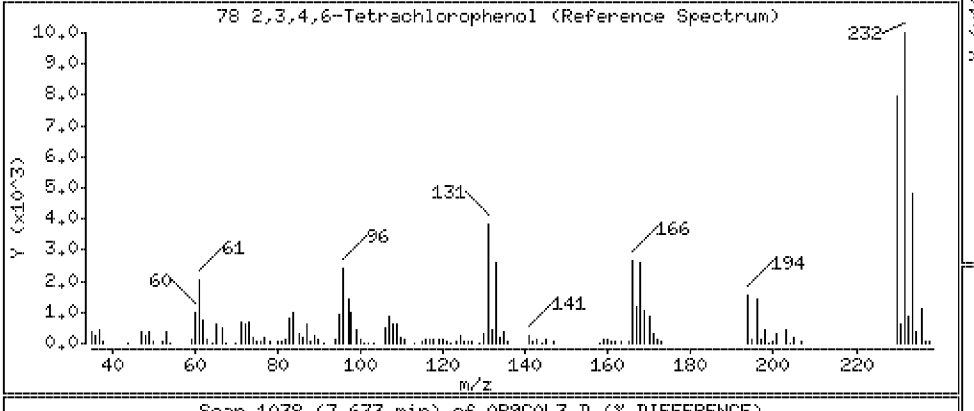
Concentration: 19.3 ug/l

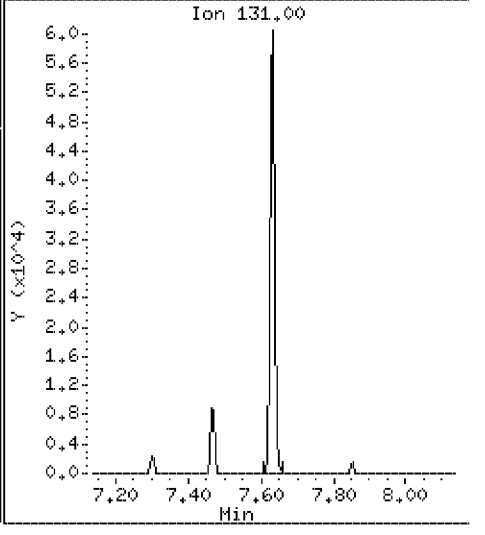


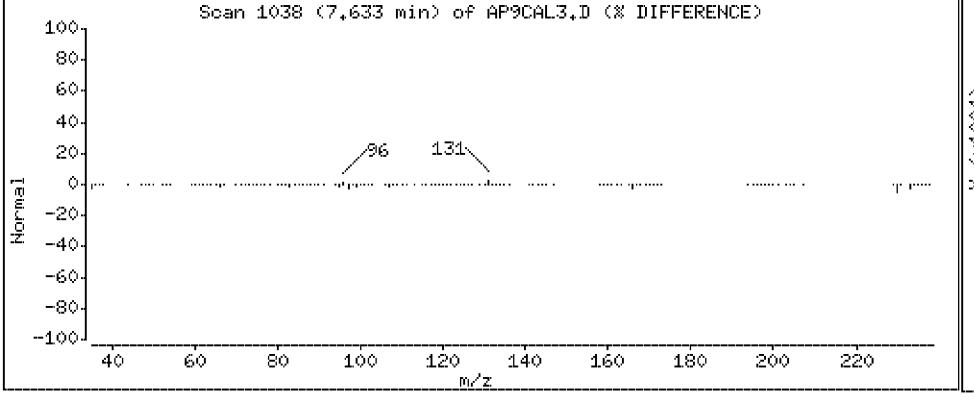












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

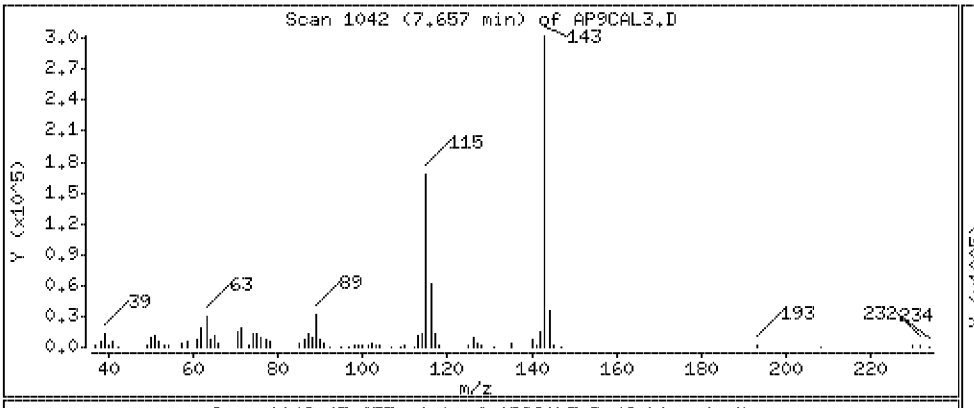
Operator: PEL

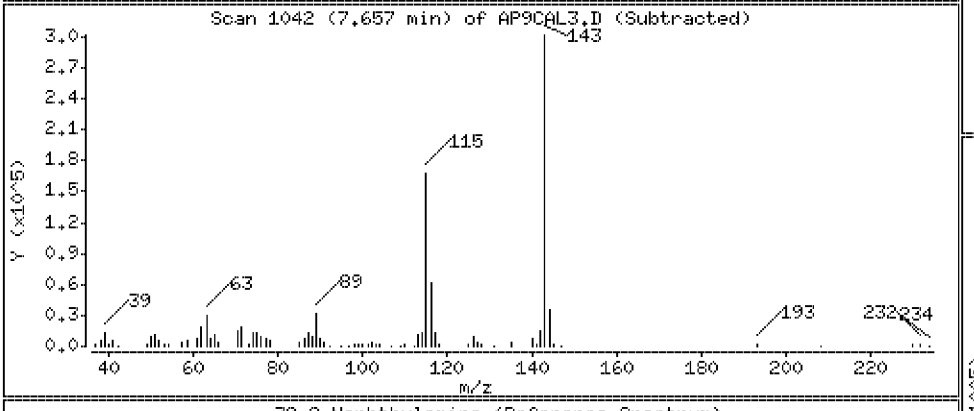
Column phase: HPMS-5

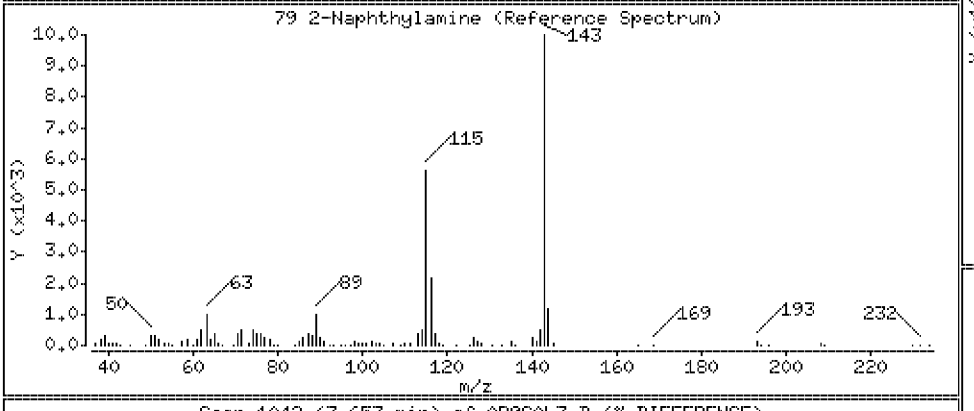
Column diameter: 0.25

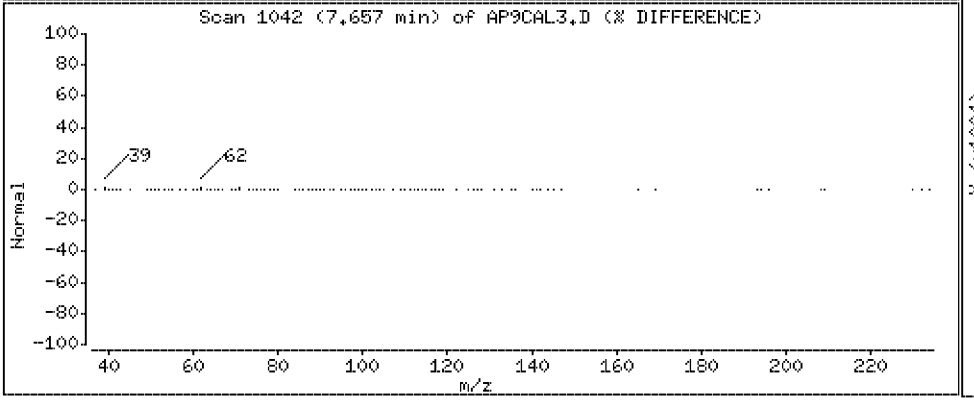
79 2-Naphthylamine

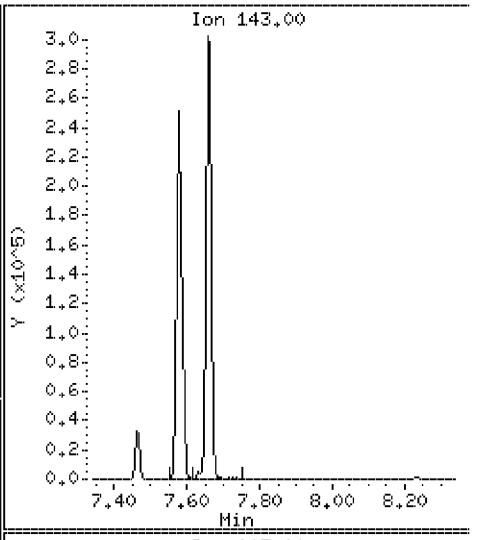
Concentration: 20.0 ug/l

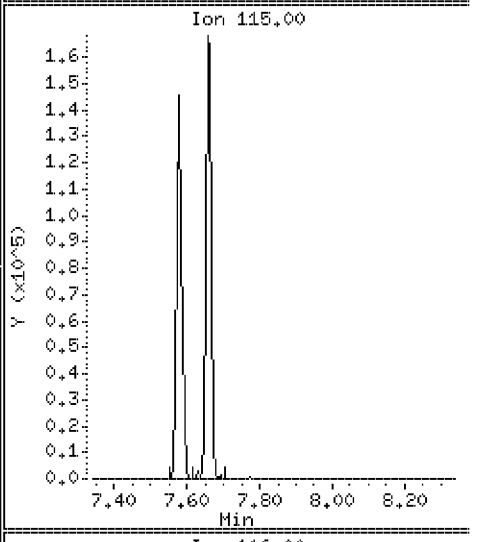


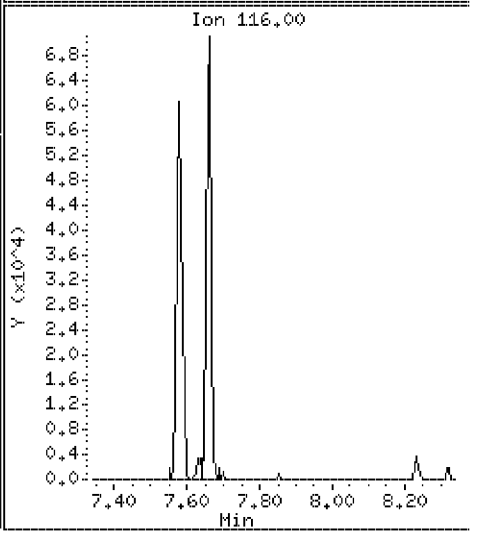












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

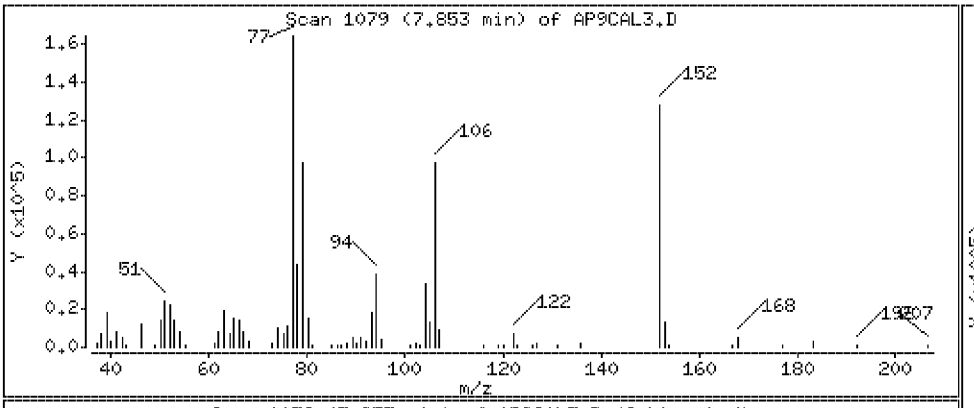
Operator: PEL

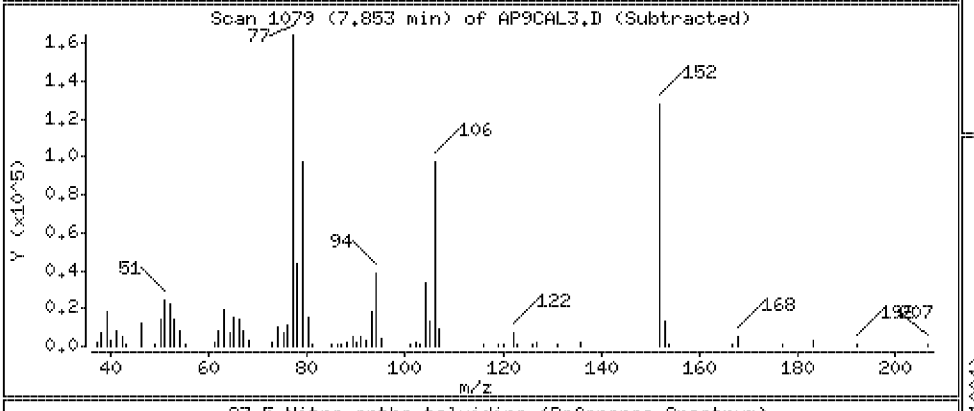
Column phase: HPMS-5

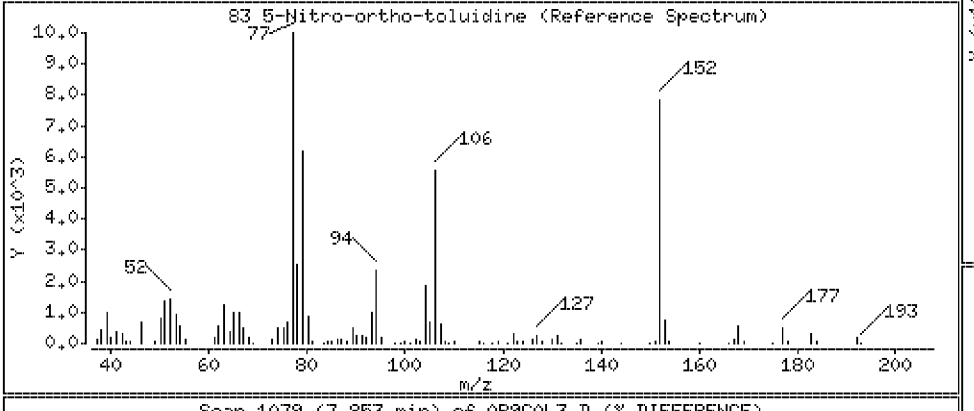
Column diameter: 0.25

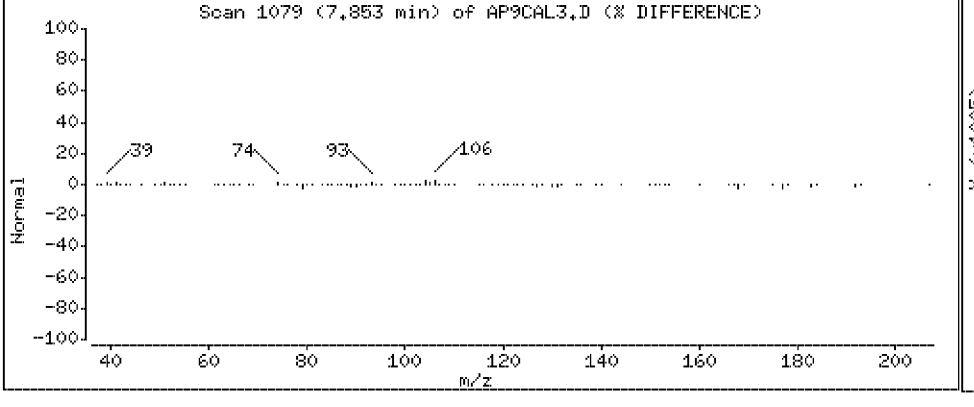
83 5-Nitro-ortho-toluidine

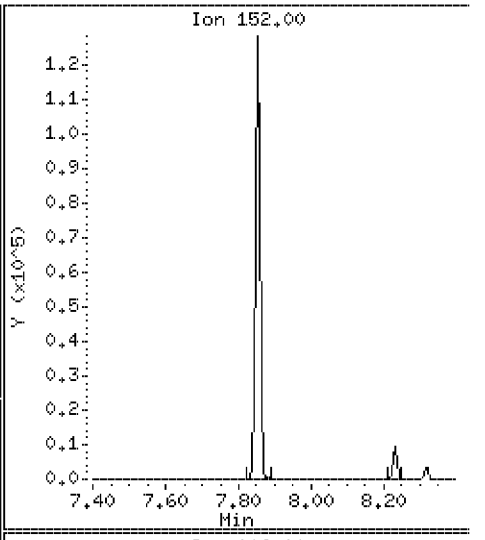
Concentration: 19.3 ug/l

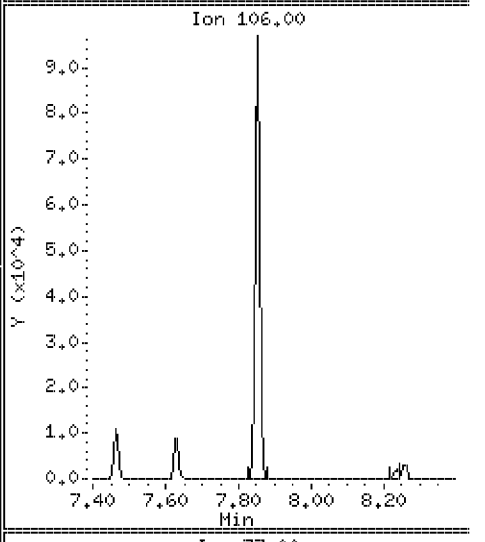


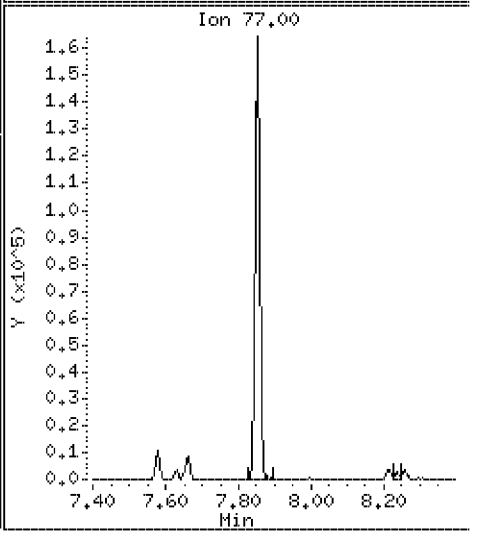












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

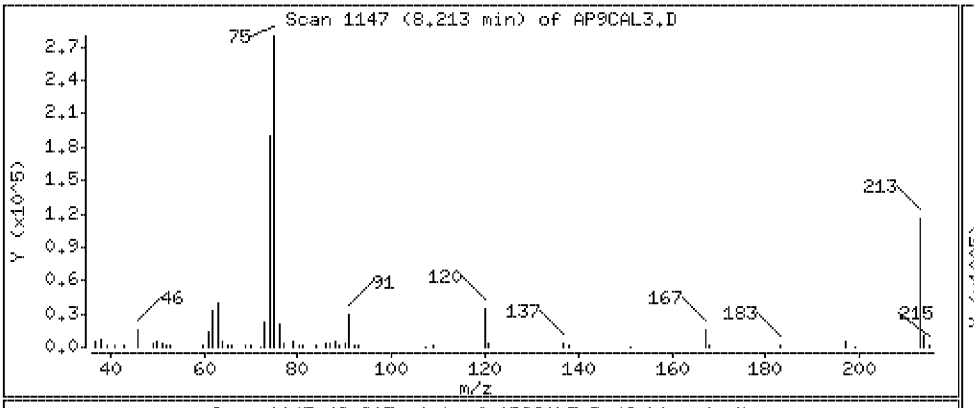
Operator: PEL

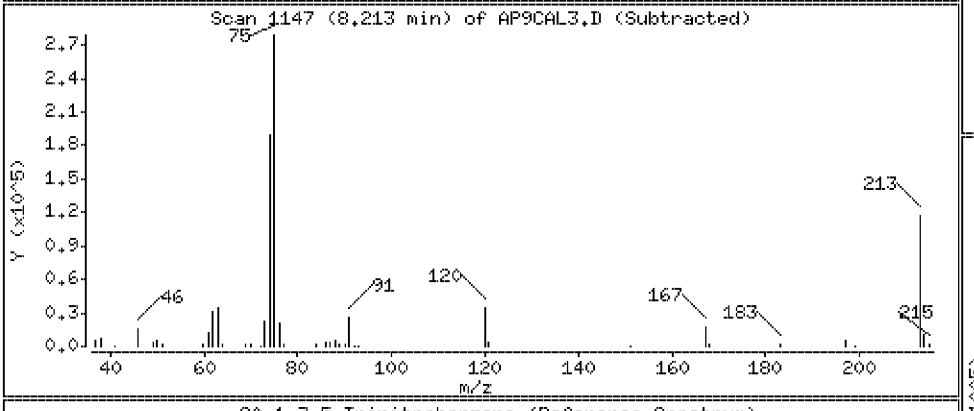
Column phase: HPMS-5

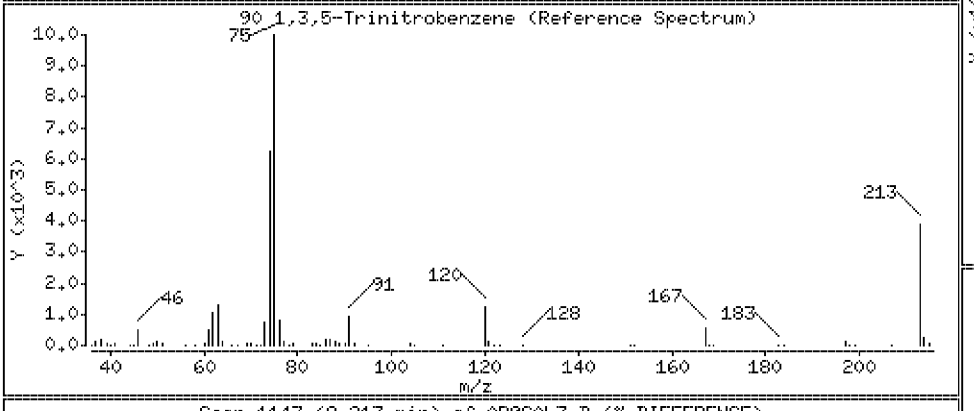
Column diameter: 0.25

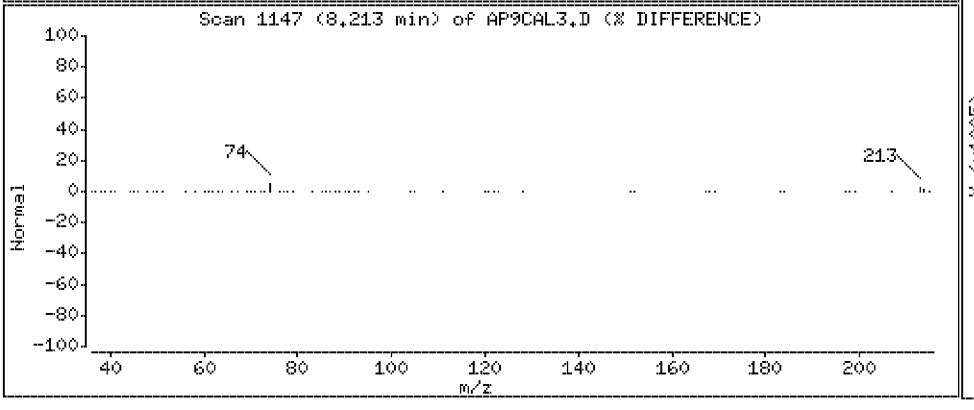
90 1,3,5-Trinitrobenzene

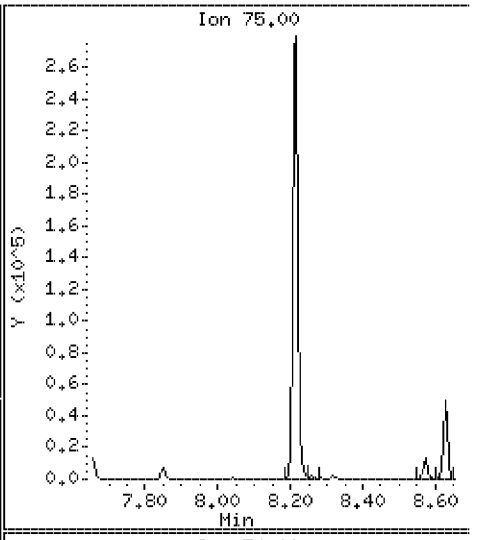
Concentration: 19.4 ug/l

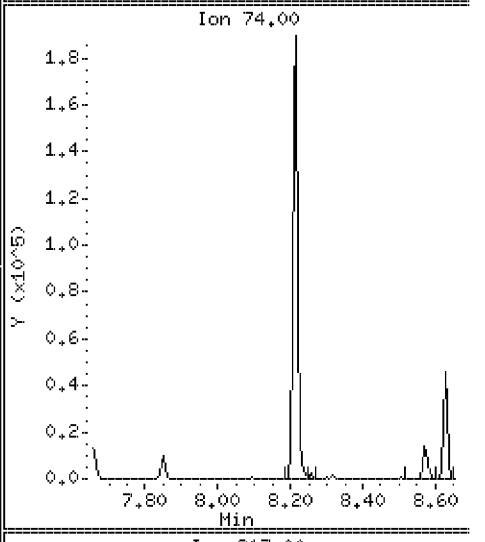


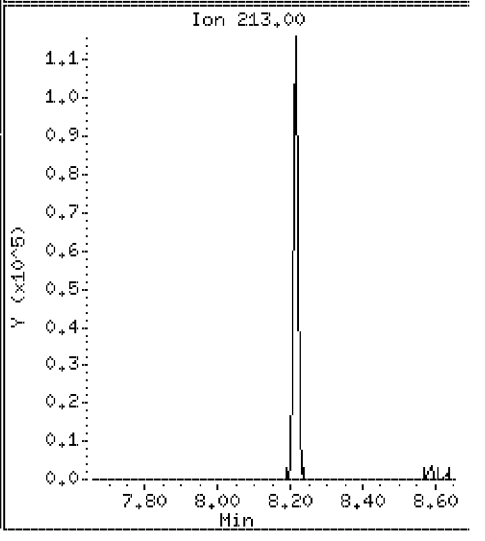












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

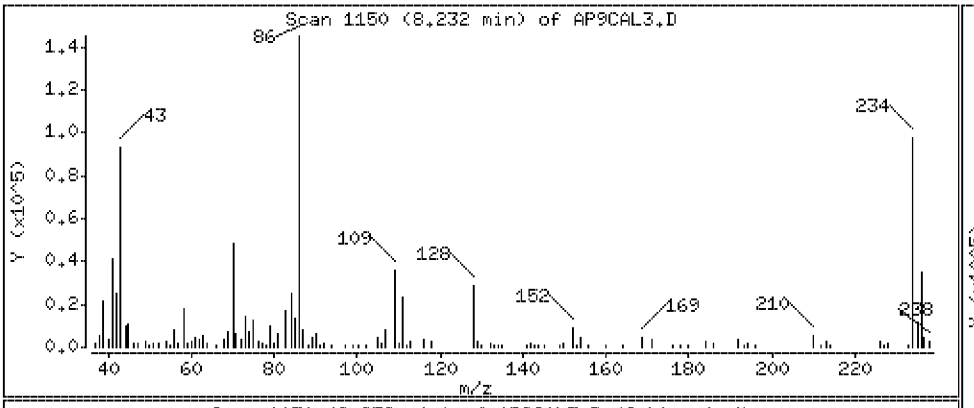
Client ID: AP9CAL3 Instrument: smsd03.i

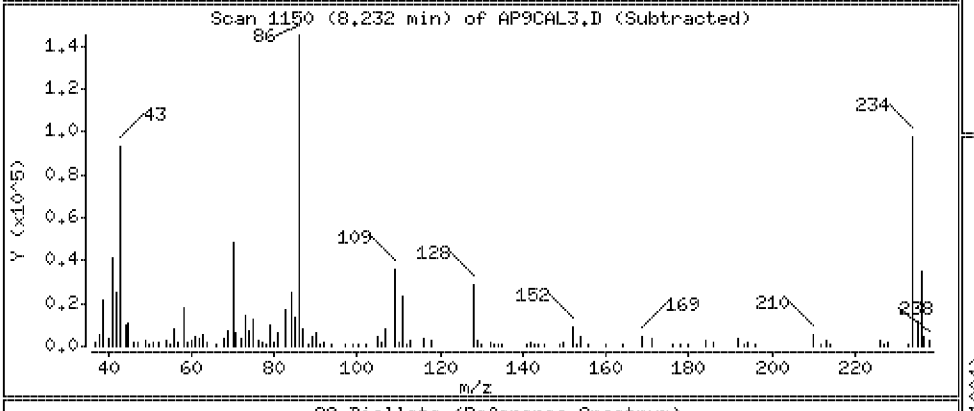
Sample Info: 45959

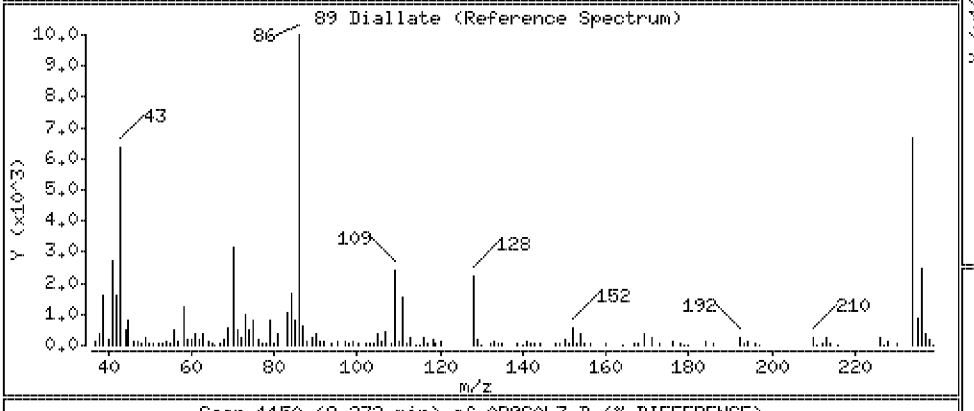
Purge Volume: 1000.0 Operator: PEL

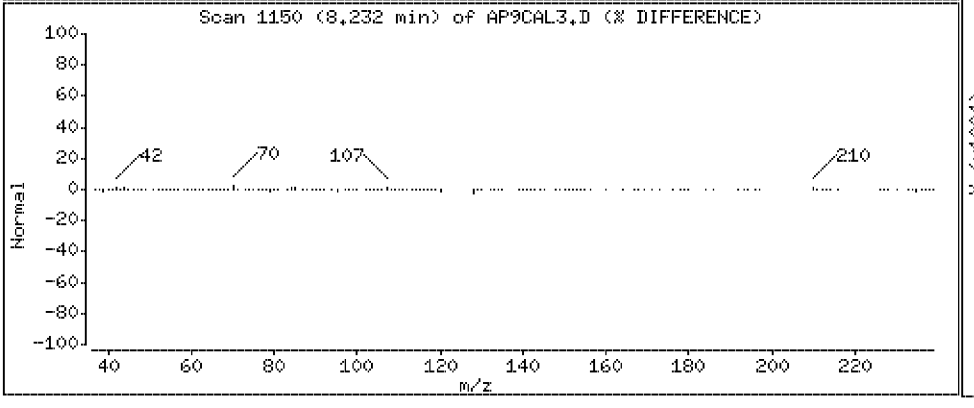
Column phase: HPMS-5 Column diameter: 0.25

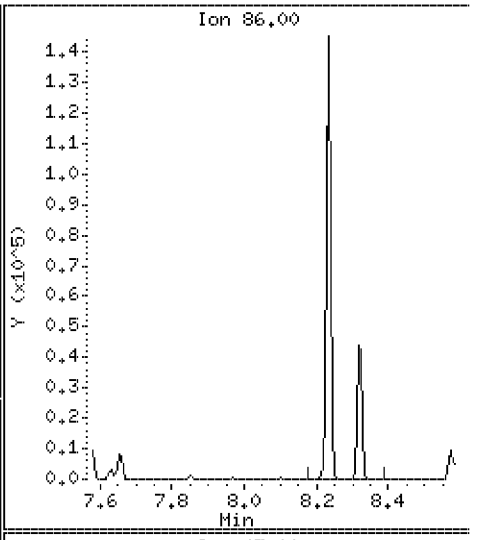
89 Diallate Concentration: 19.0 ug/l

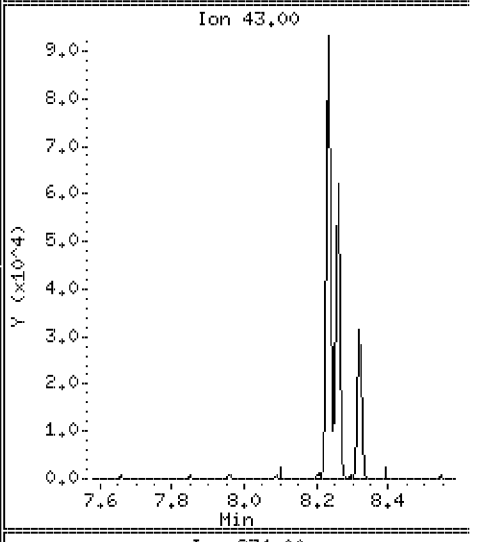


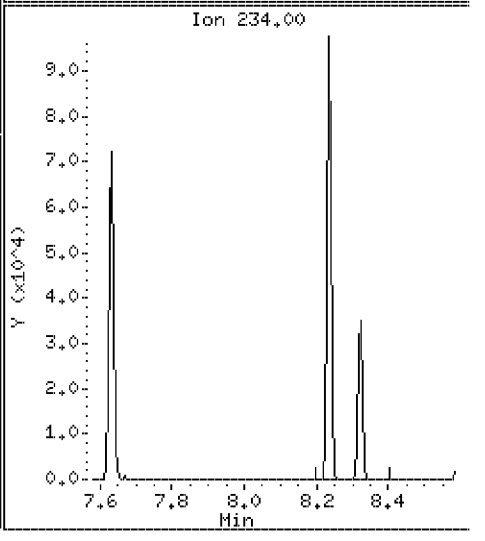












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

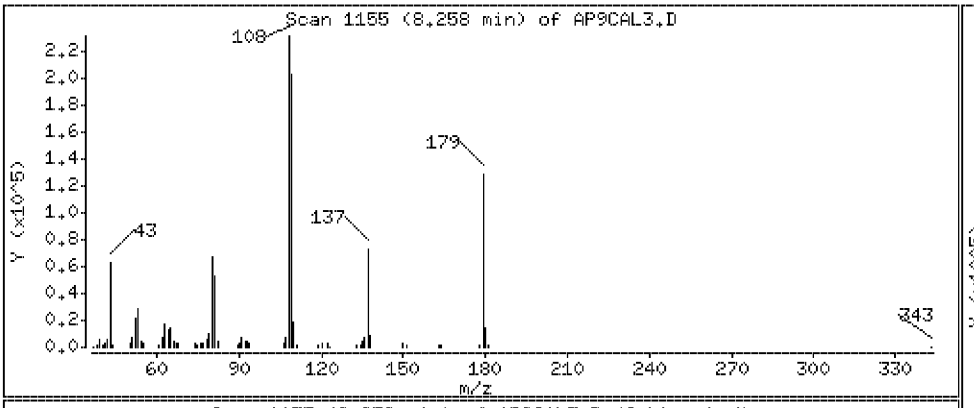
Operator: PEL

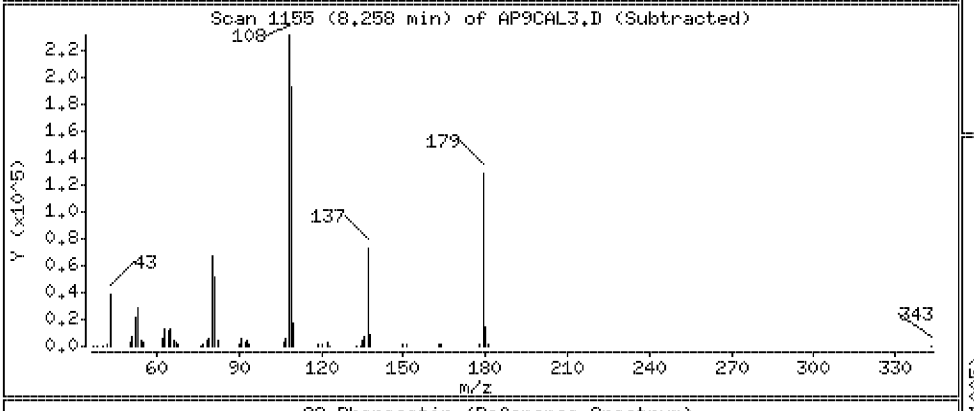
Column phase: HPMS-5

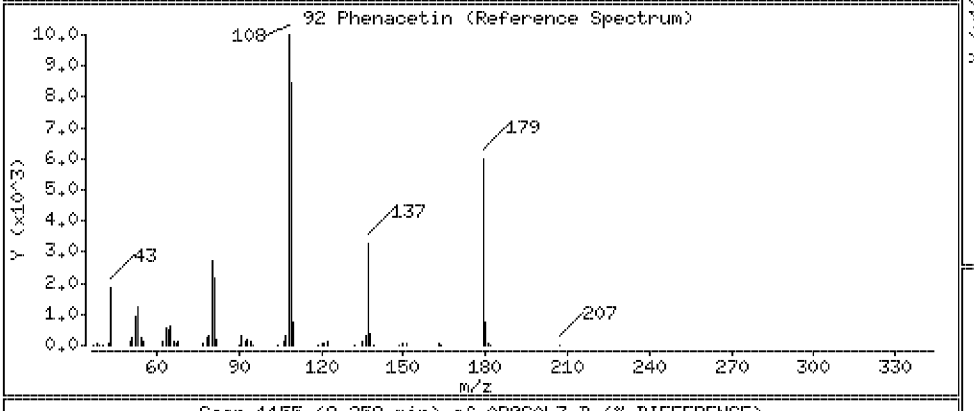
Column diameter: 0.25

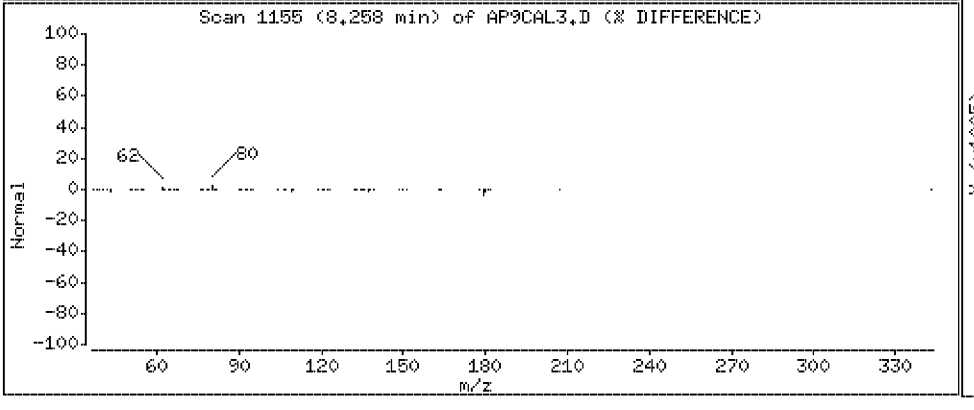
92 Phenacetin

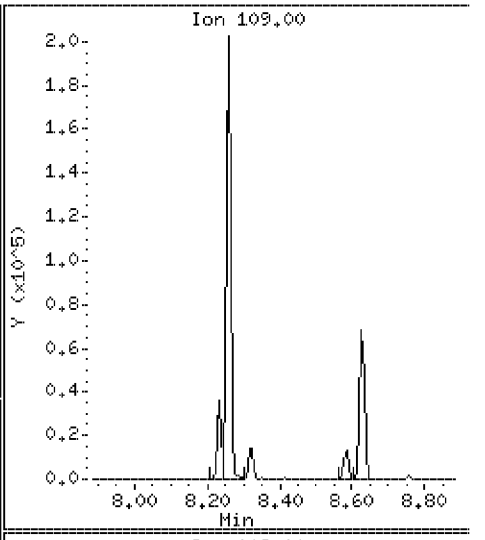
Concentration: 19.4 ug/l

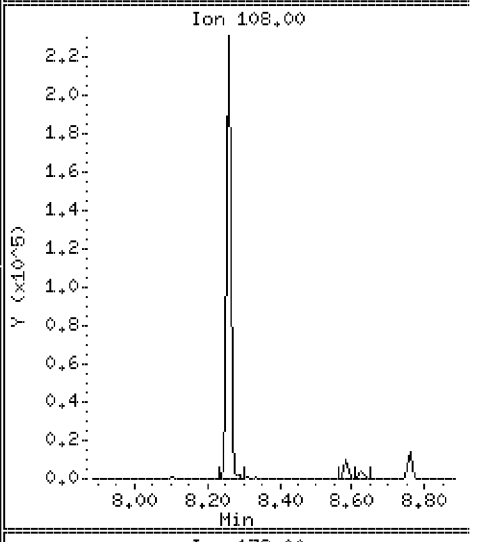


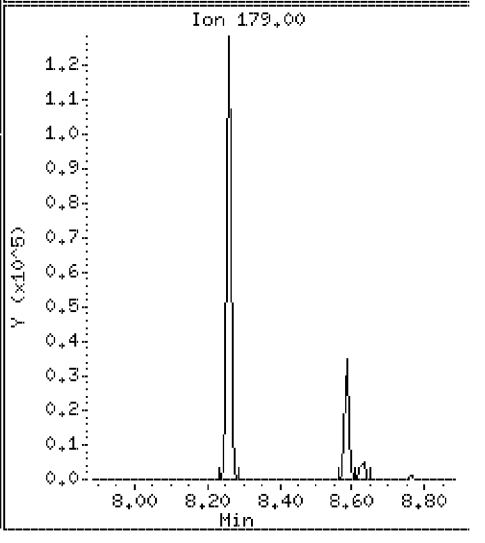












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

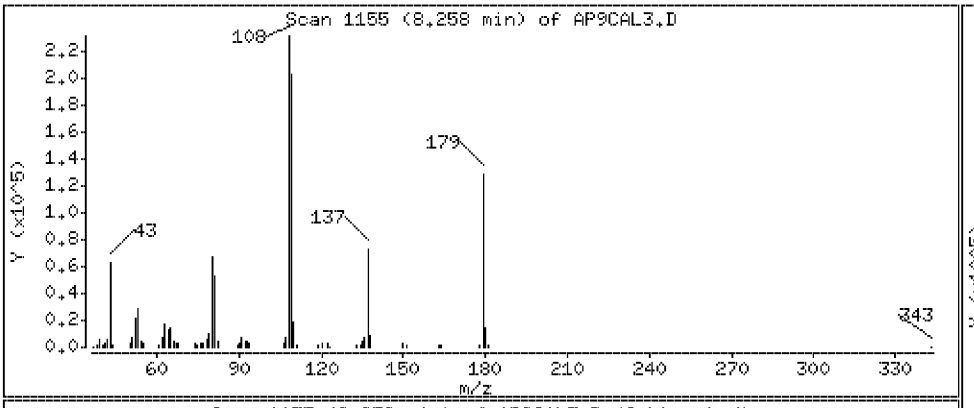
Operator: PEL

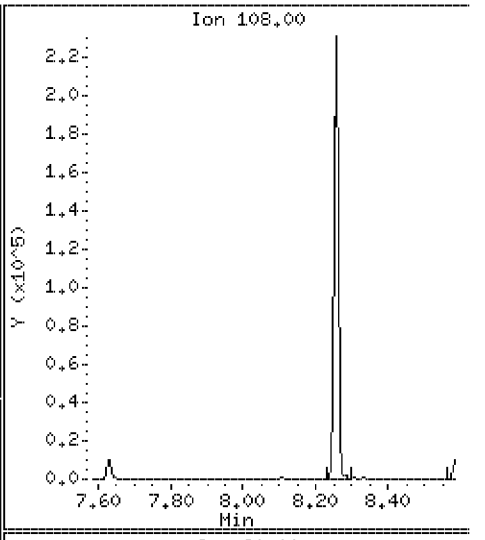
Column phase: HPMS-5

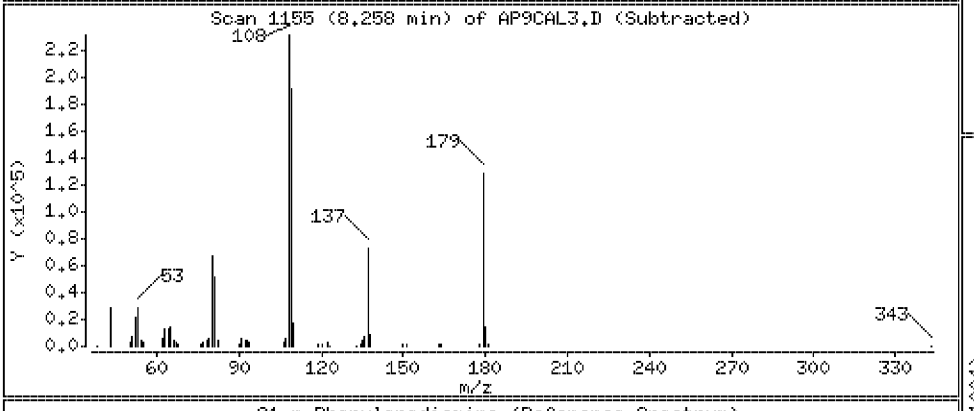
Column diameter: 0.25

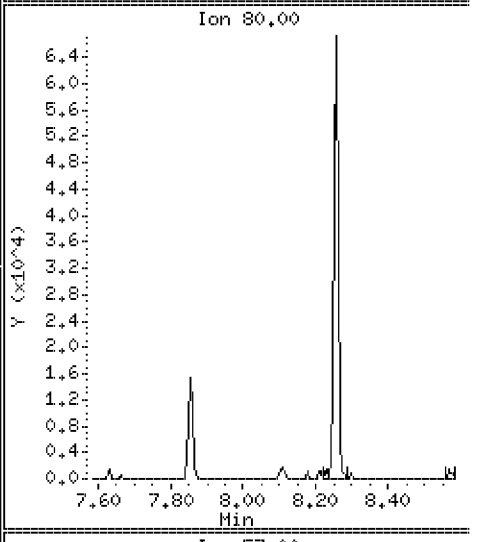
91 p-Phenylenediamine

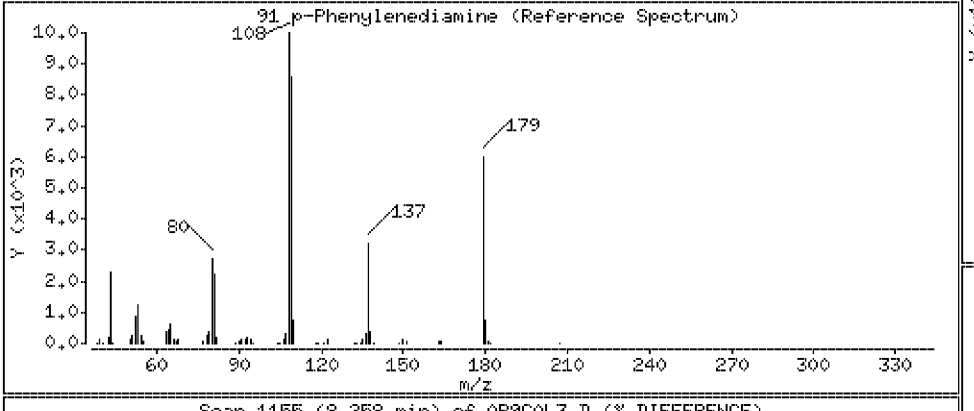
Concentration: 19.9 ug/l

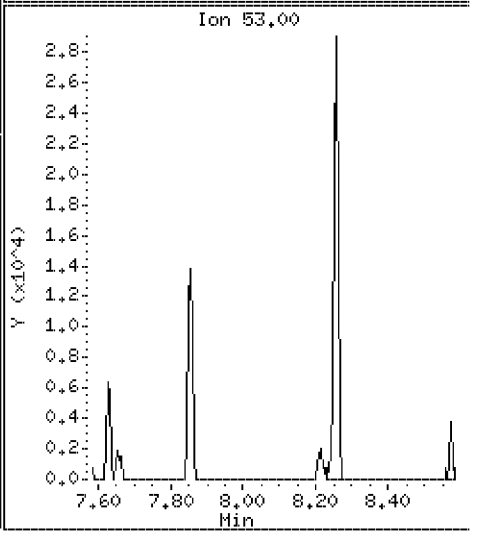


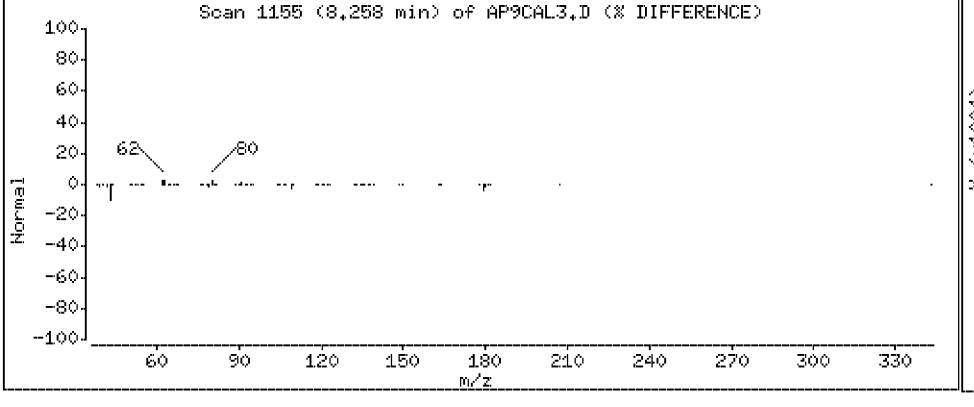












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

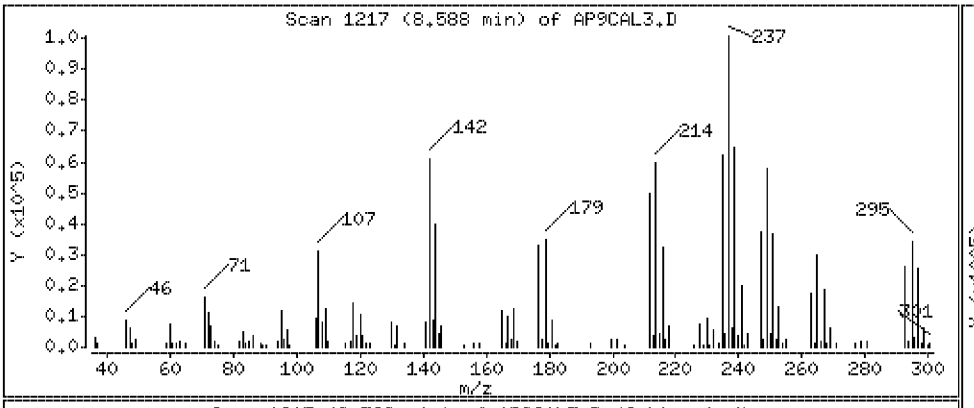
Operator: PEL

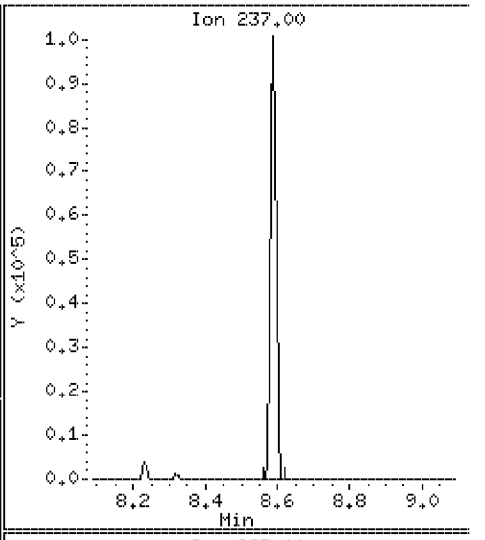
Column phase: HPMS-5

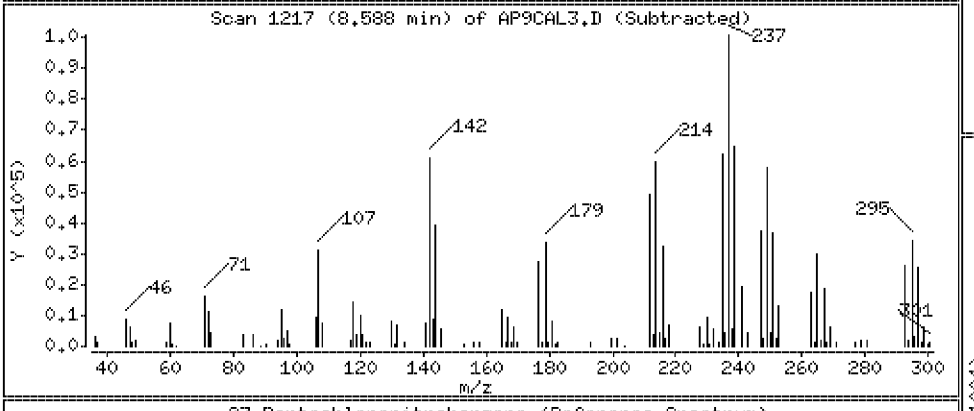
Column diameter: 0.25

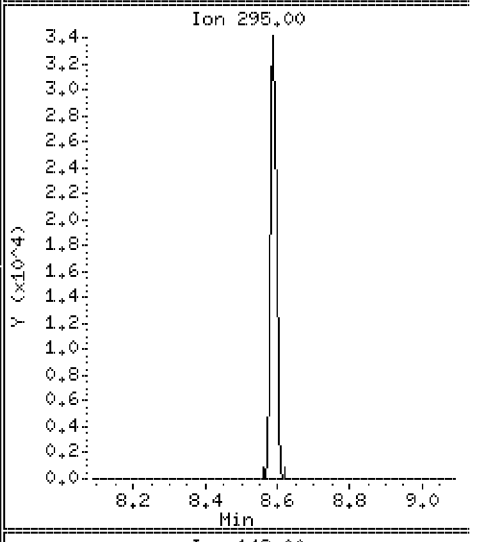
97 Pentachloronitrobenzene

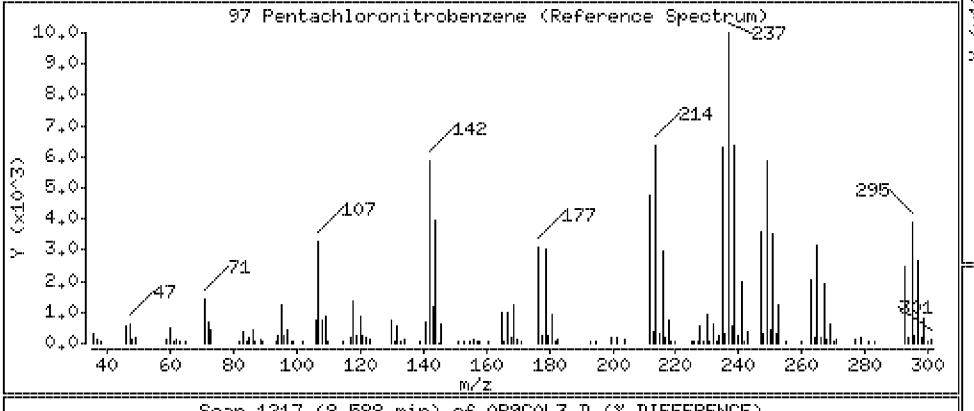
Concentration: 19.6 ug/l

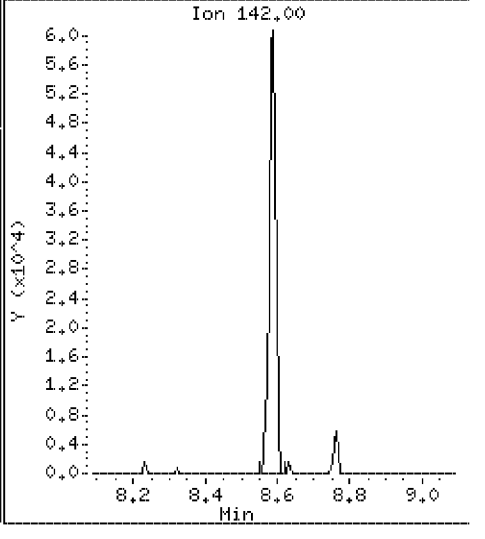


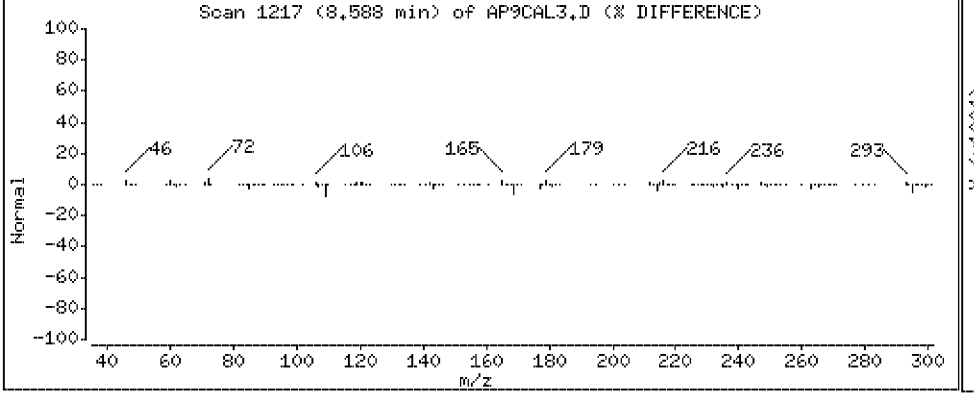












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

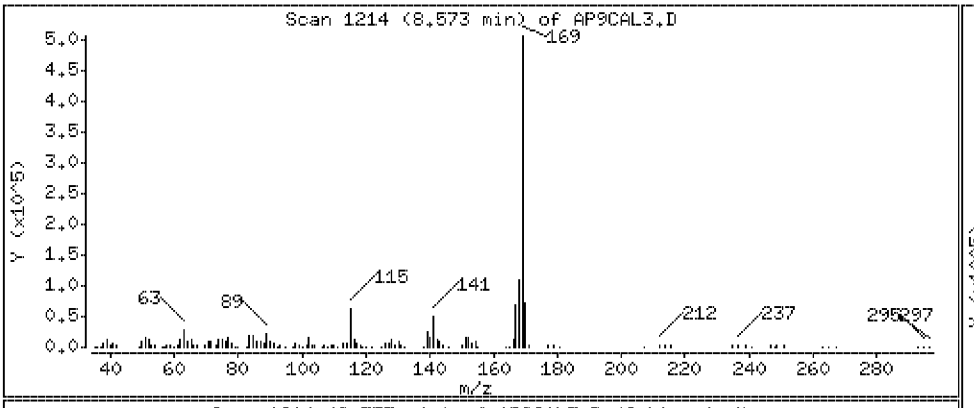
Operator: PEL

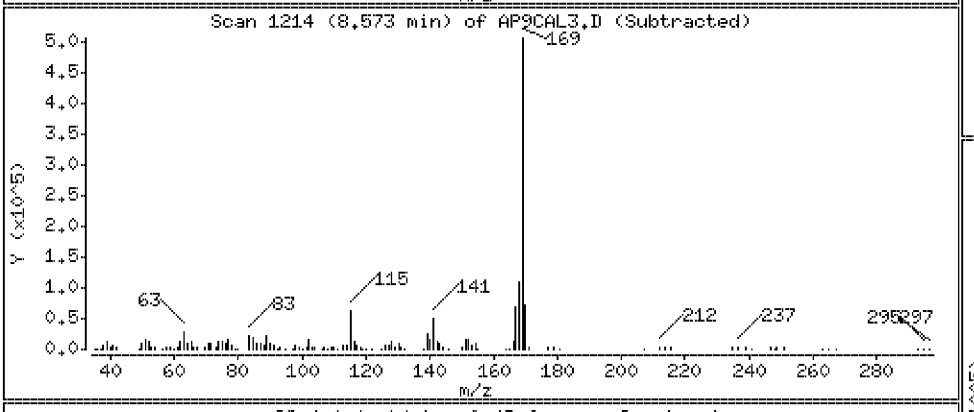
Column phase: HPMS-5

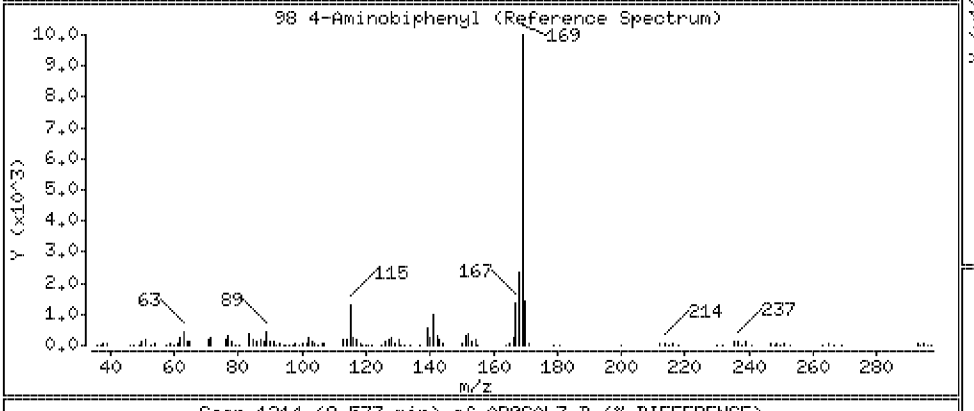
Column diameter: 0.25

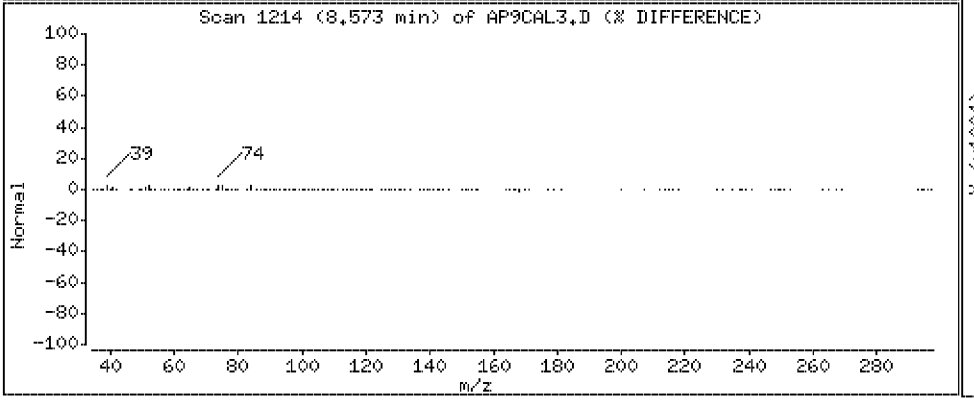
98 4-Aminobiphenyl

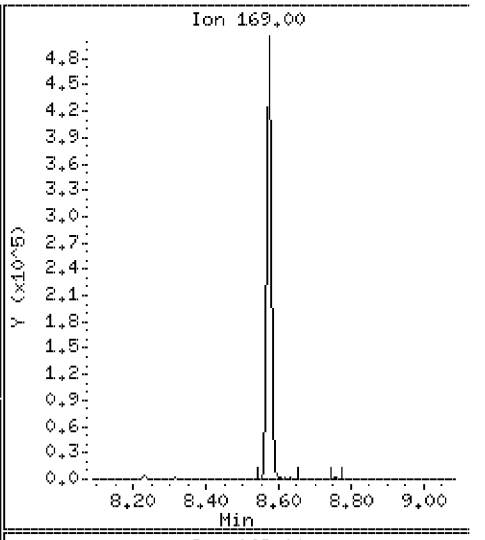
Concentration: 20.3 ug/l

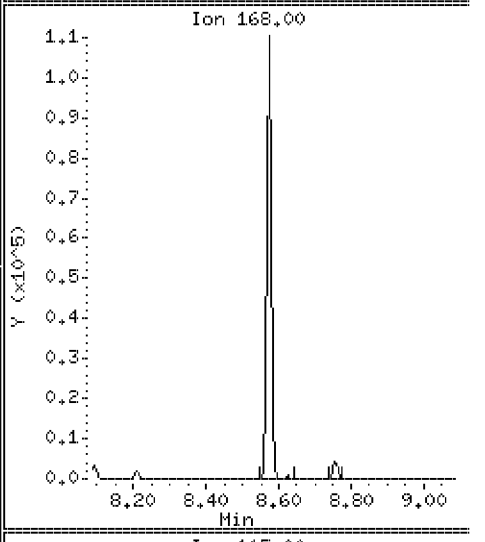


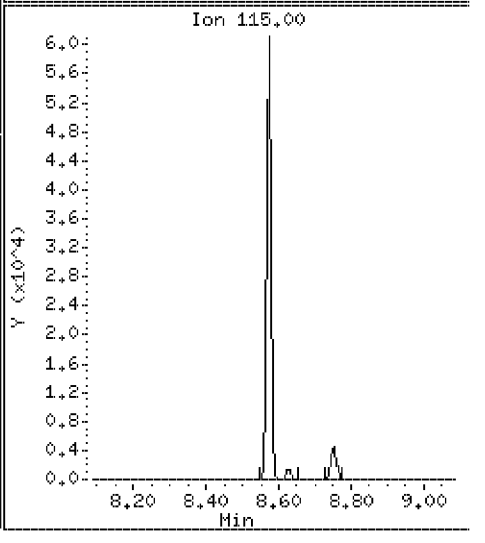












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

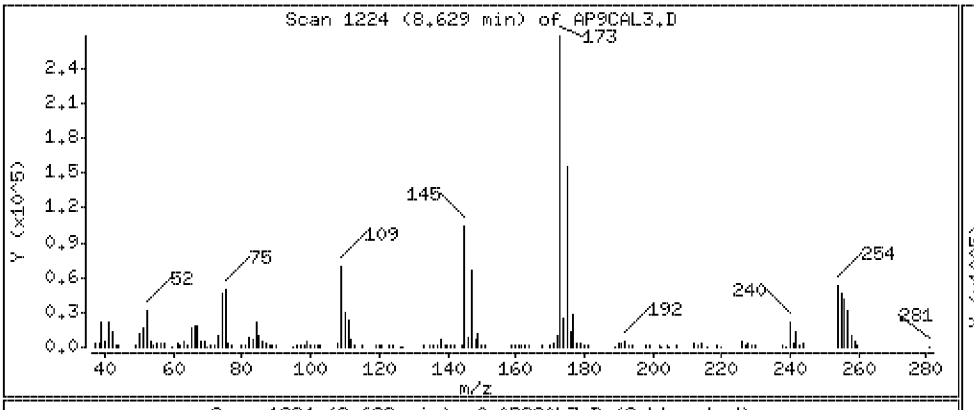
Operator: PEL

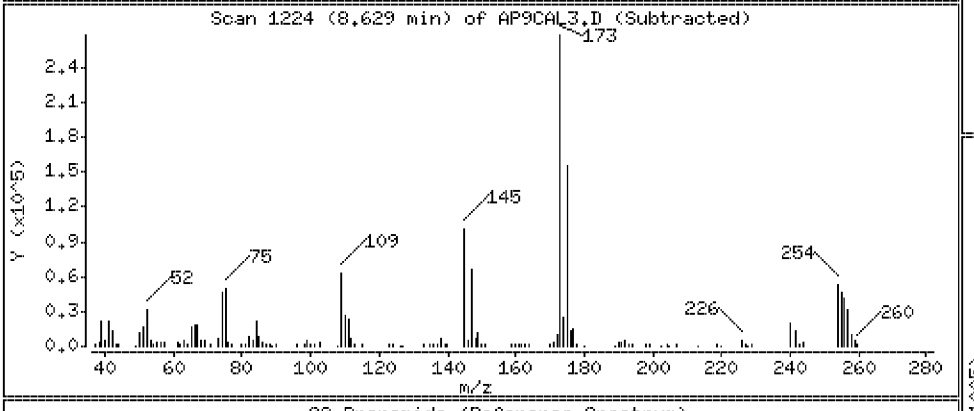
Column phase: HPMS-5

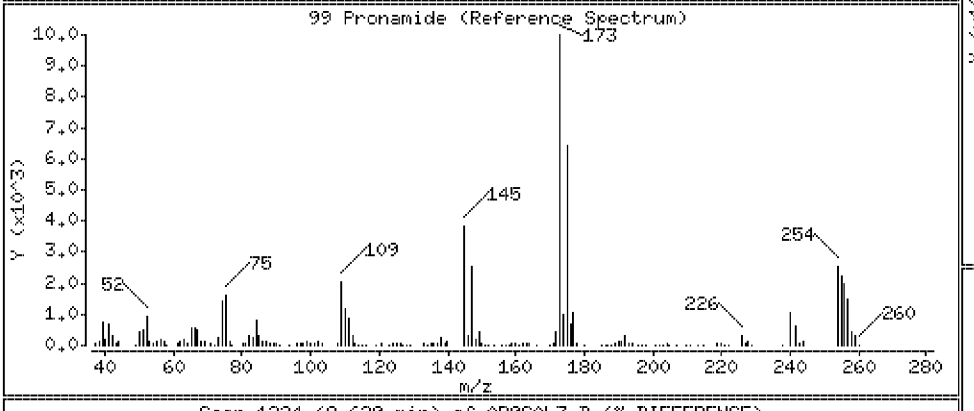
Column diameter: 0.25

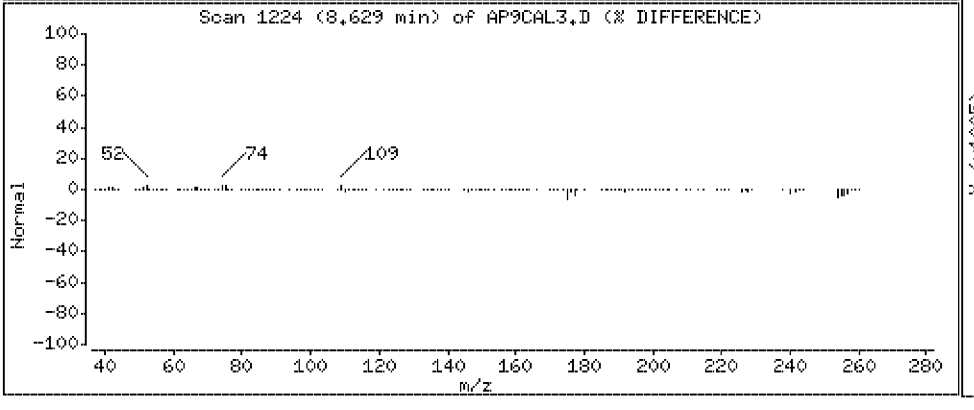
99 Pronamide

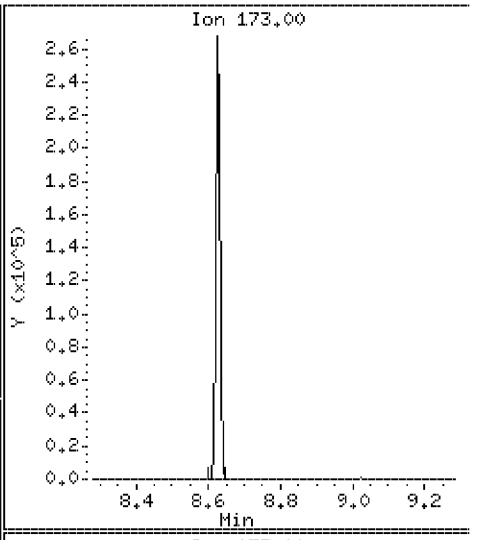
Concentration: 20.1 ug/l

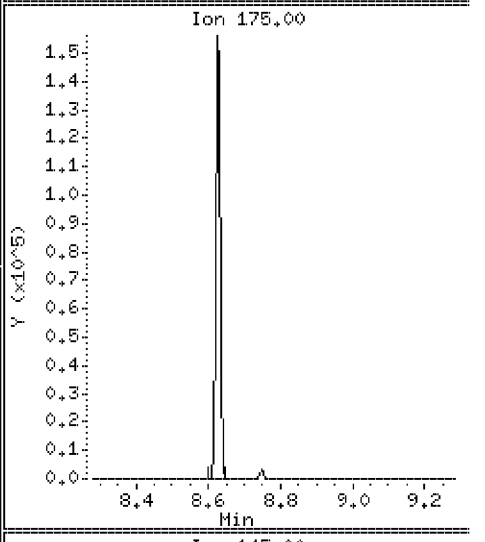


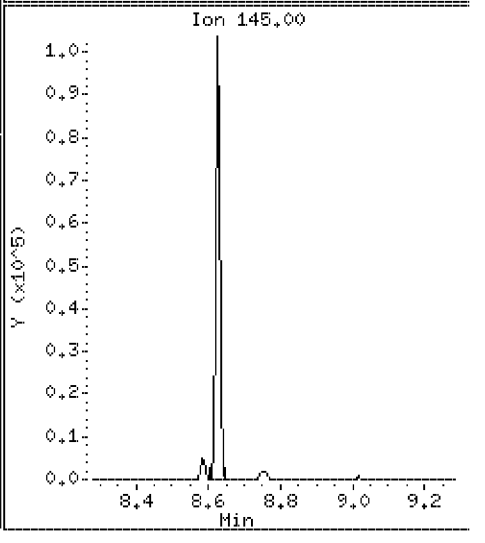












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

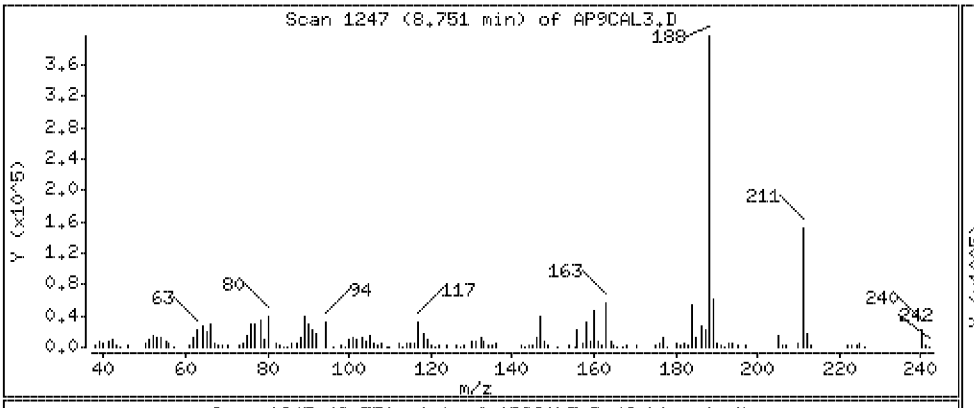
Operator: PEL

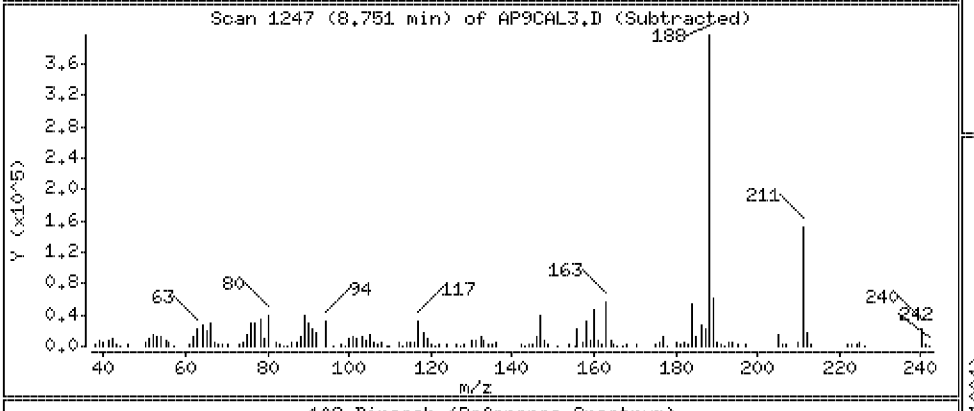
Column phase: HPMS-5

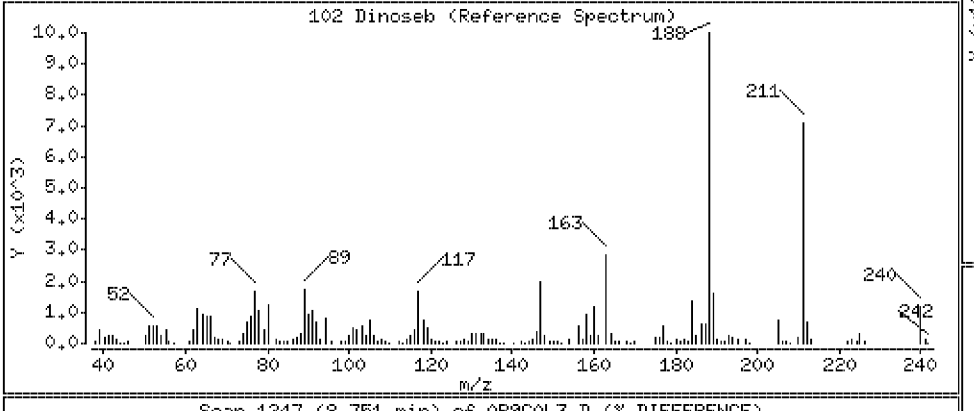
Column diameter: 0.25

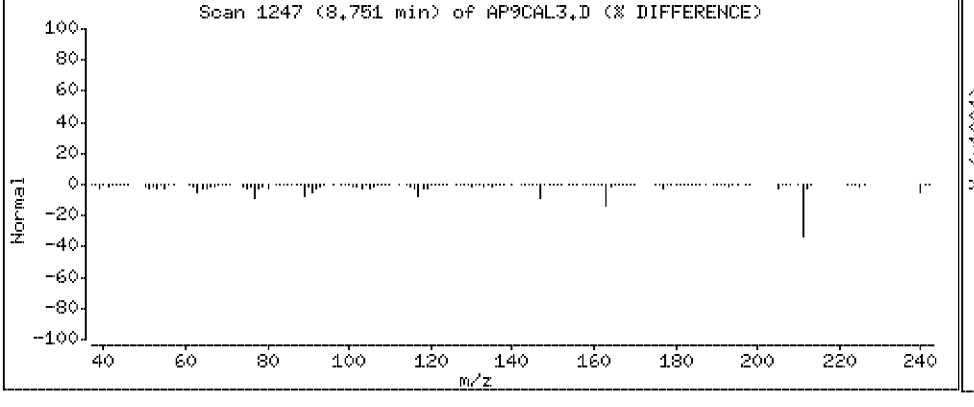
102 Dinoseb

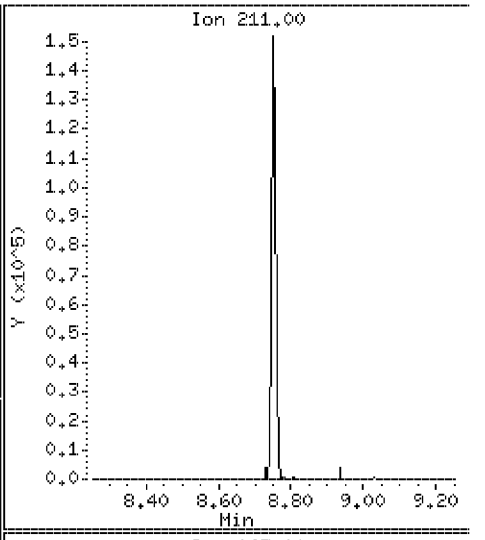
Concentration: 19.0 ug/l

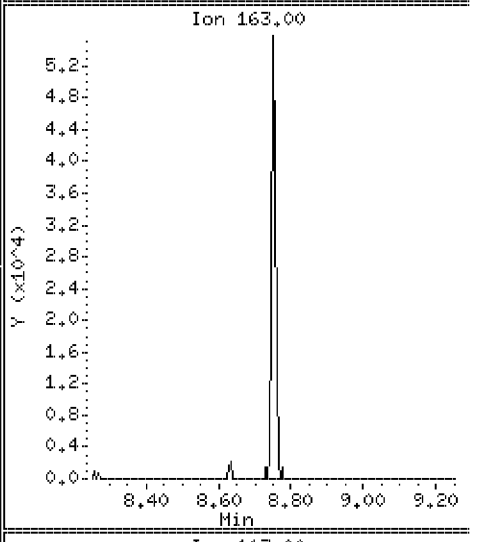


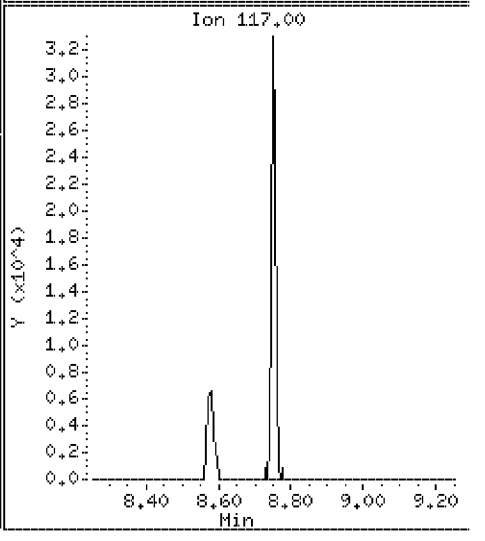












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

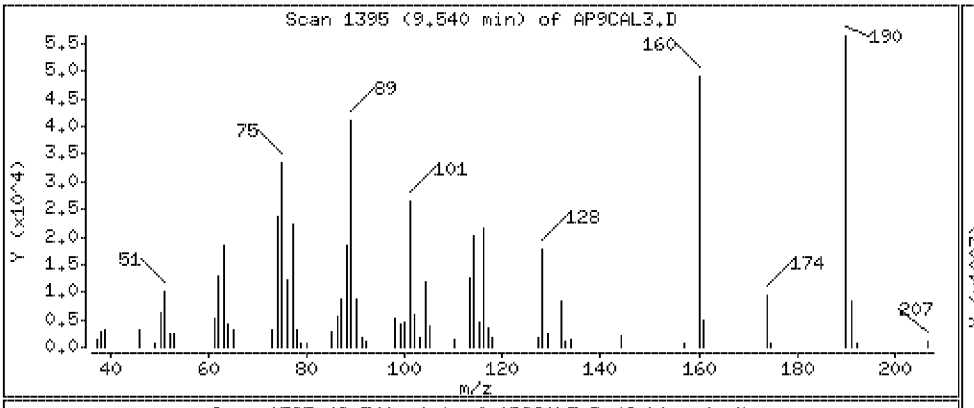
Operator: PEL

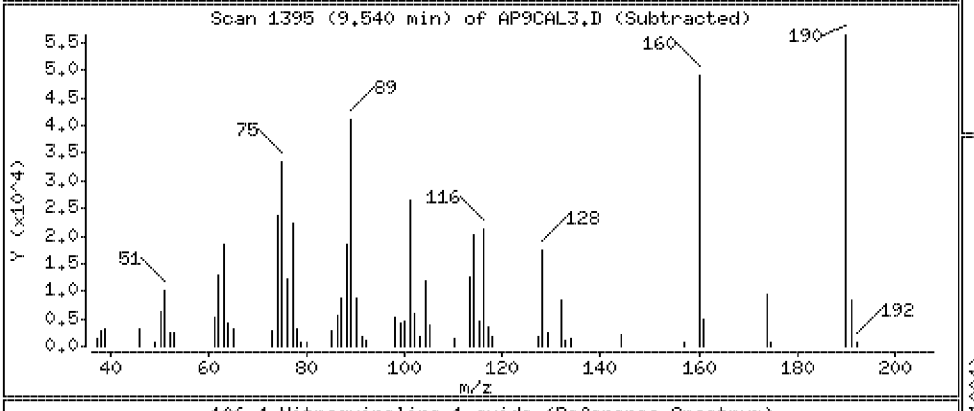
Column phase: HPMS-5

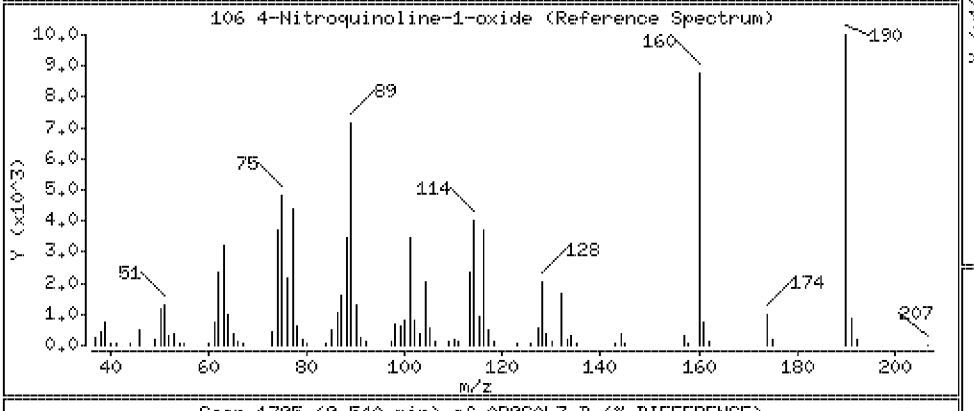
Column diameter: 0.25

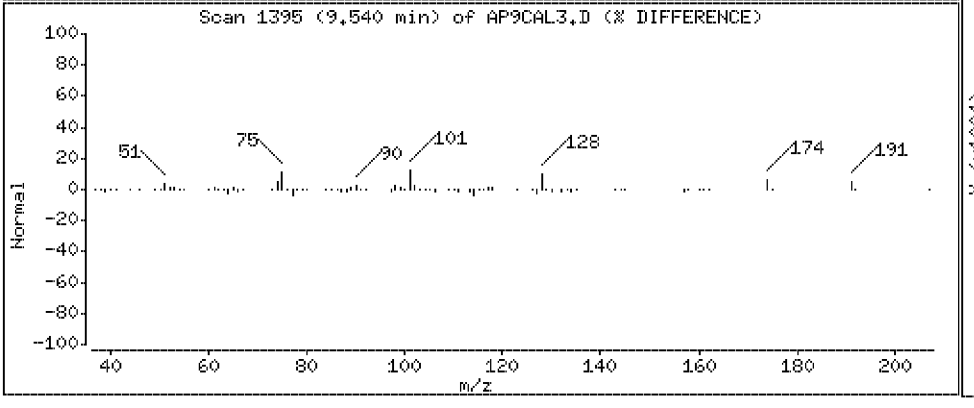
106 4-Nitroquinoline-1-oxide

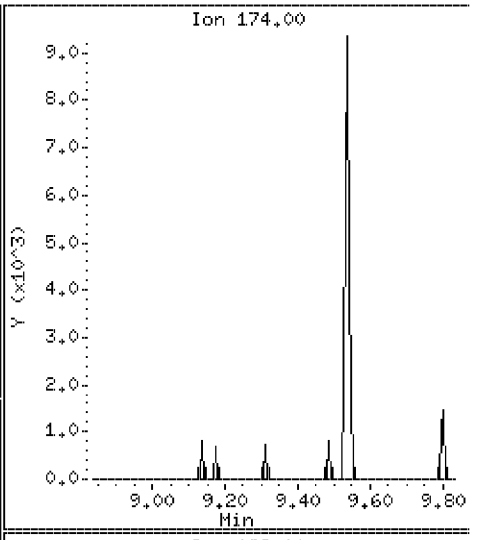
Concentration: 21.2 ug/l

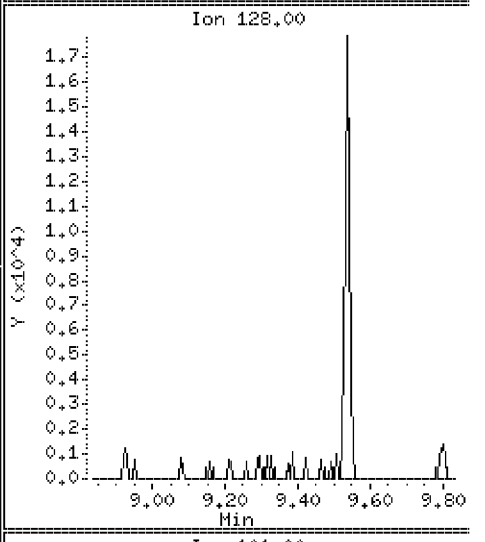


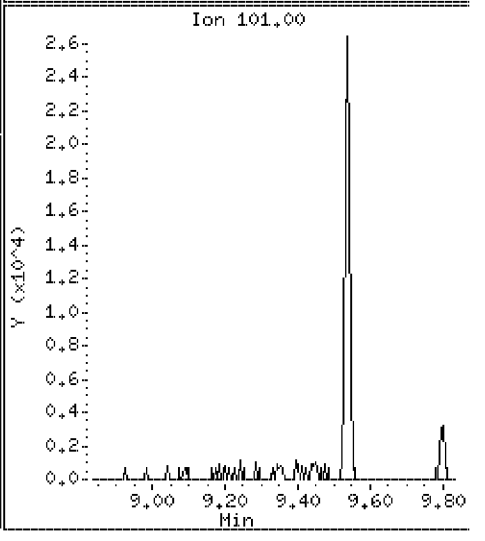












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

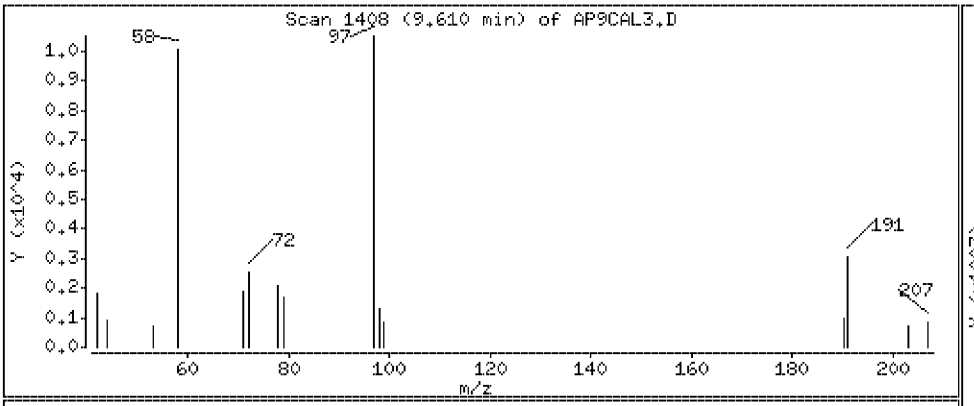
Operator: PEL

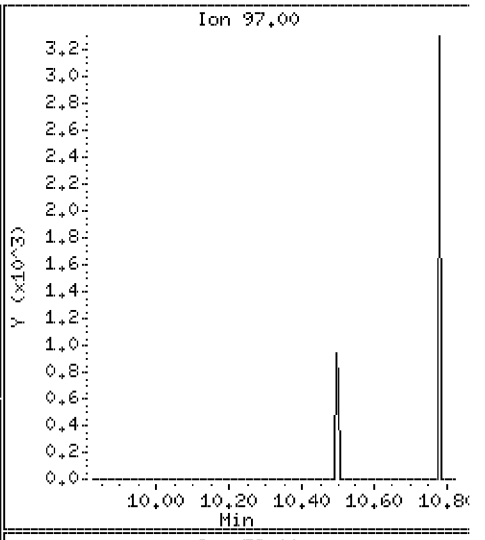
Column phase: HPMS-5

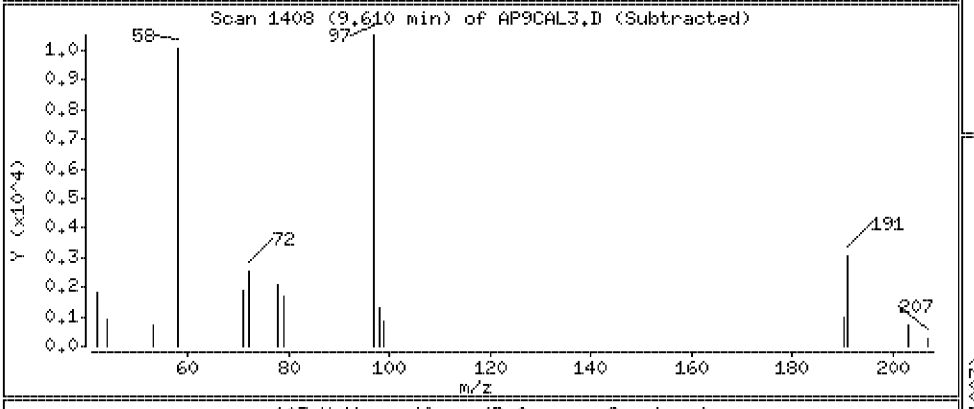
Column diameter: 0.25

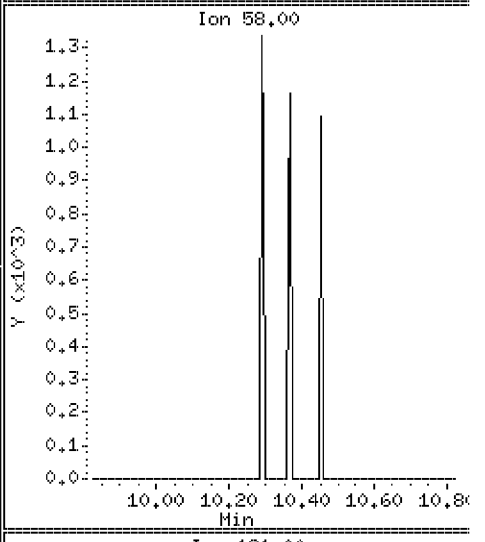
107 Methapyrilene

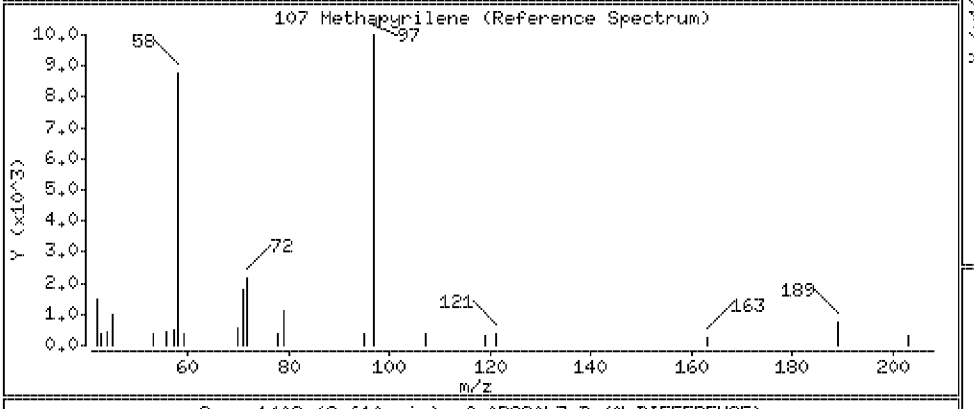
Concentration: 20.0 ug/l

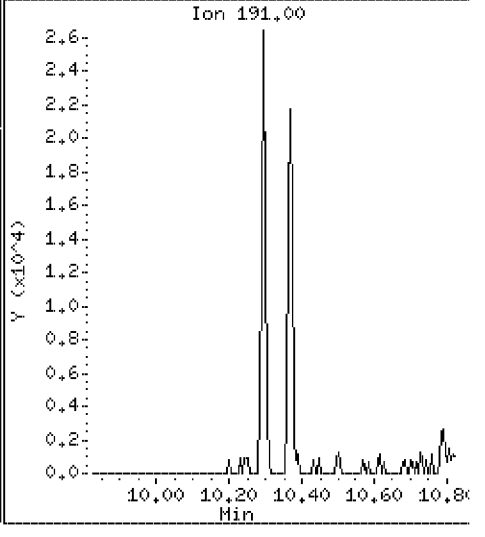


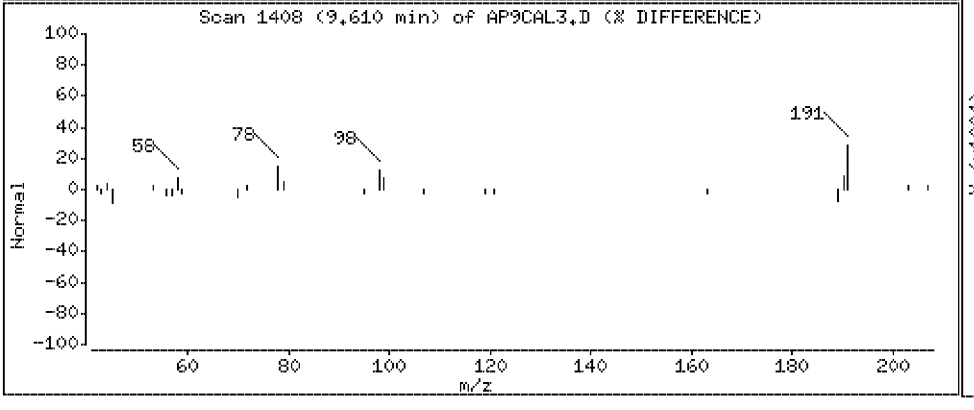












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

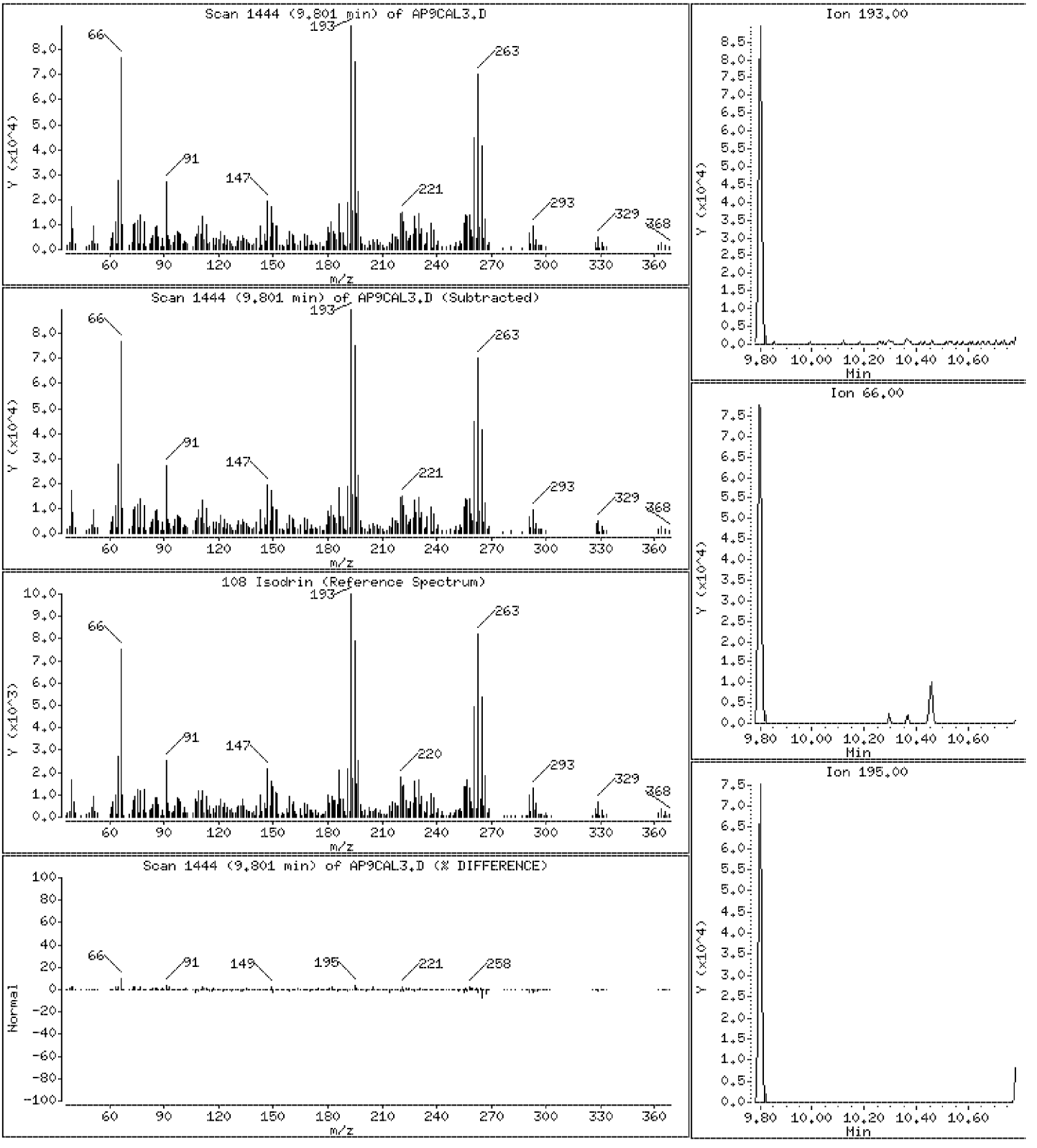
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

108 Isodrin

Concentration: 20.3 ug/l



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

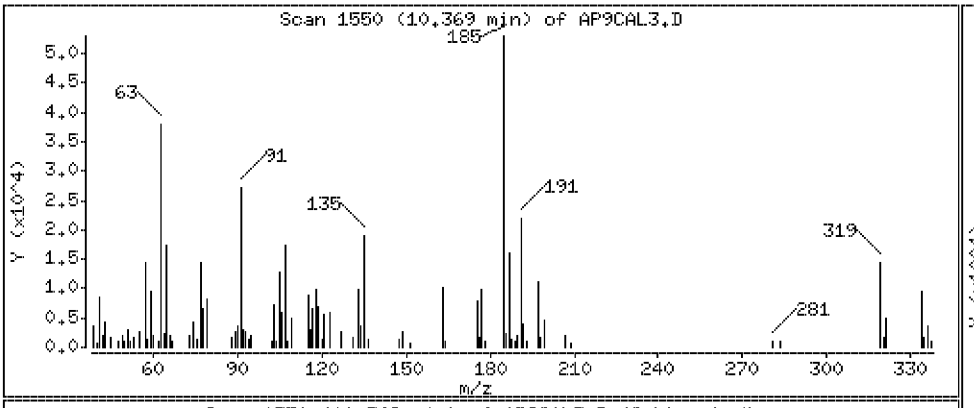
Operator: PEL

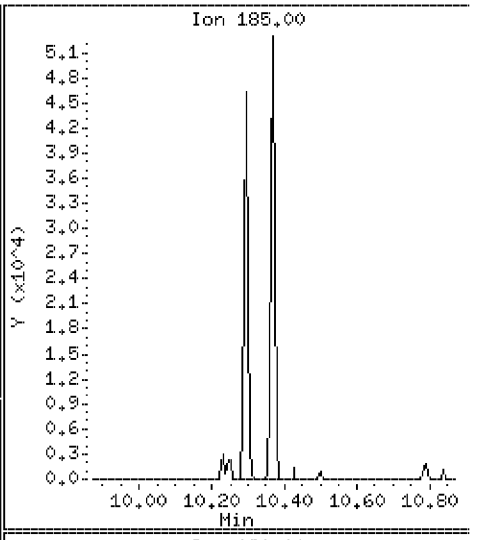
Column phase: HPMS-5

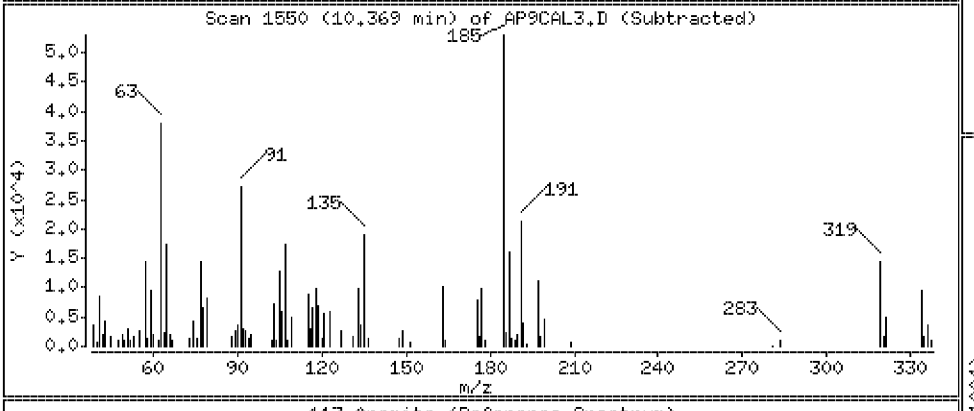
Column diameter: 0.25

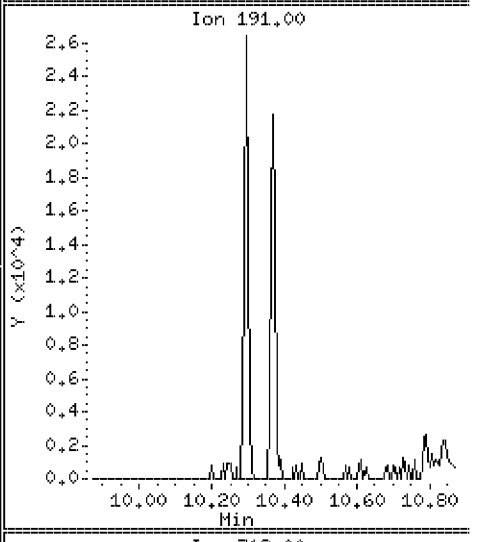
113 Aramite

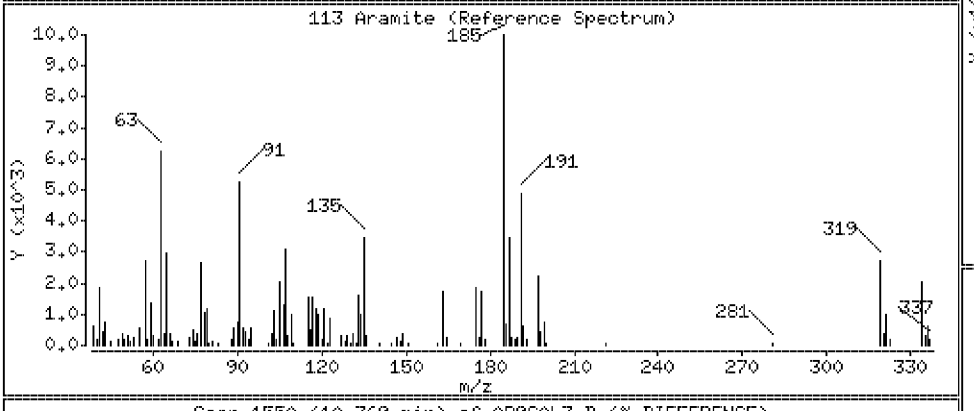
Concentration: 19.9 ug/l

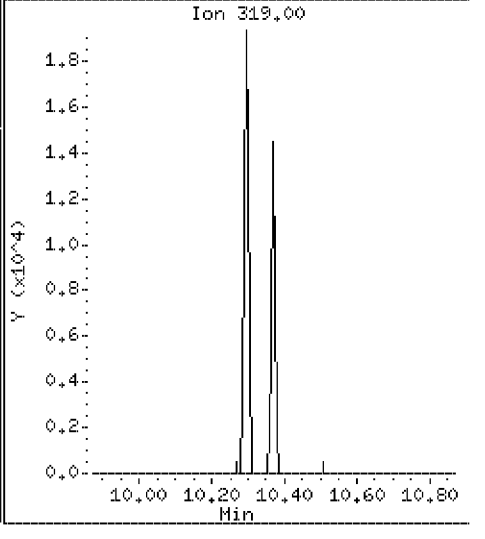


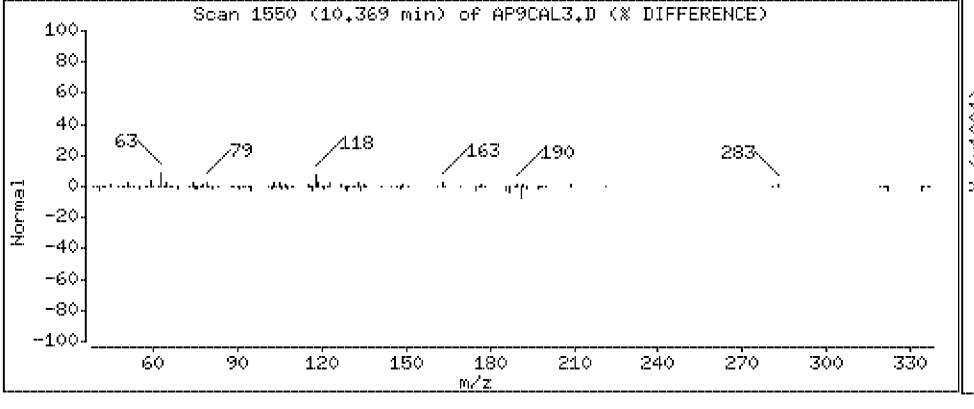












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

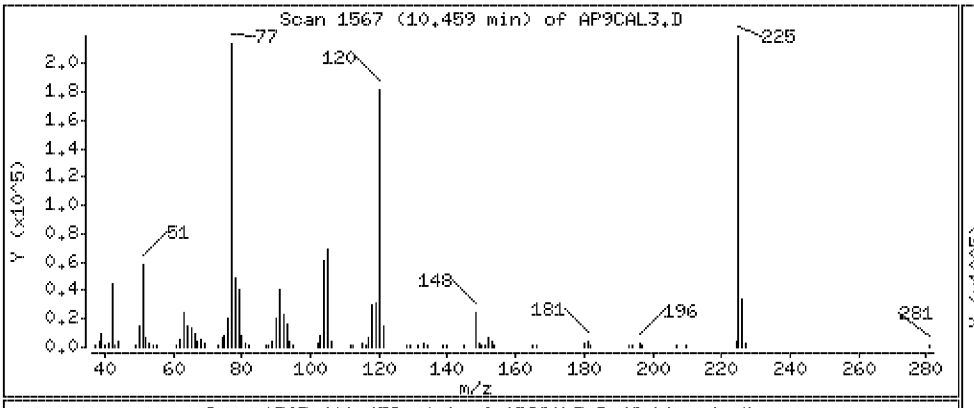
Operator: PEL

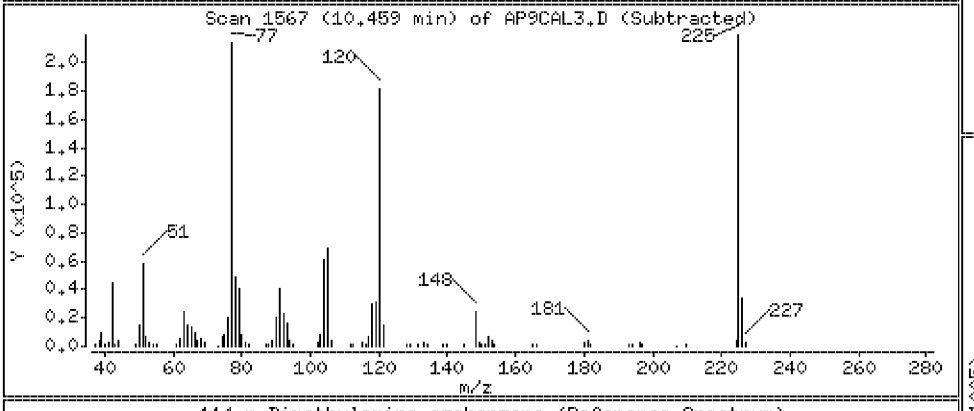
Column phase: HPMS-5

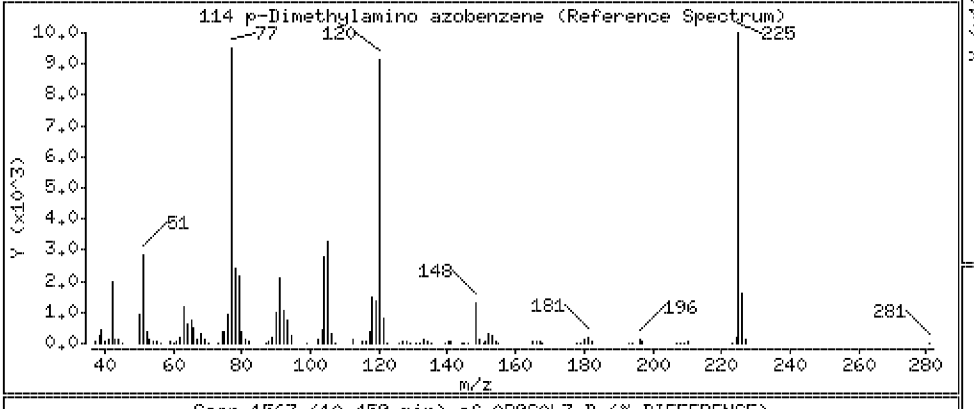
Column diameter: 0.25

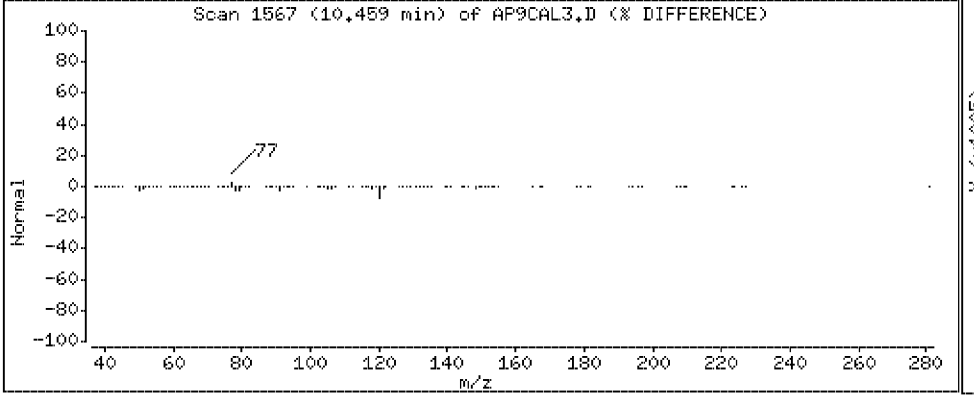
114 p-Dimethylamino azobenzene

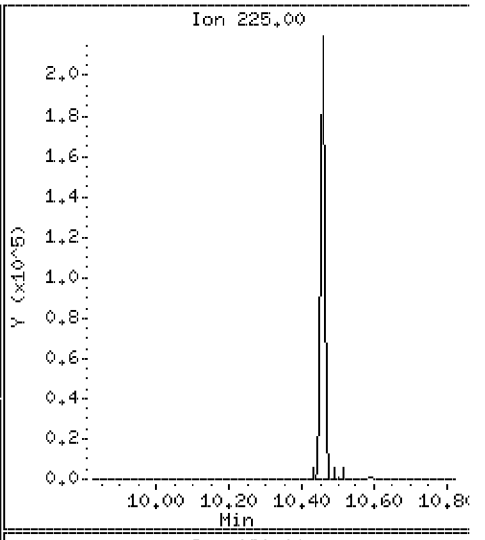
Concentration: 18.8 ug/l

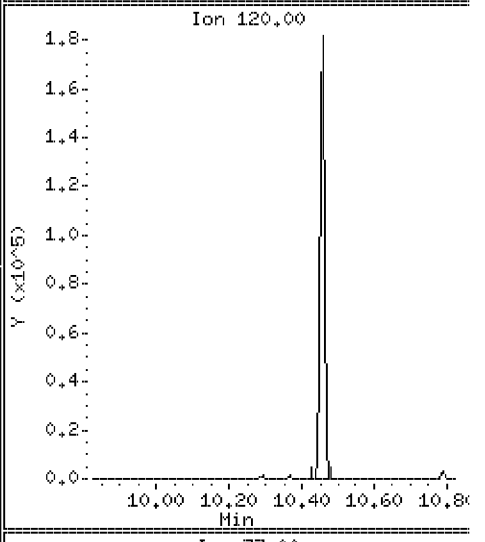


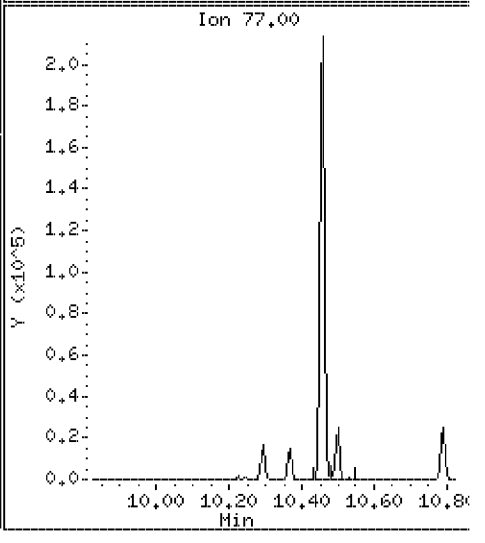












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

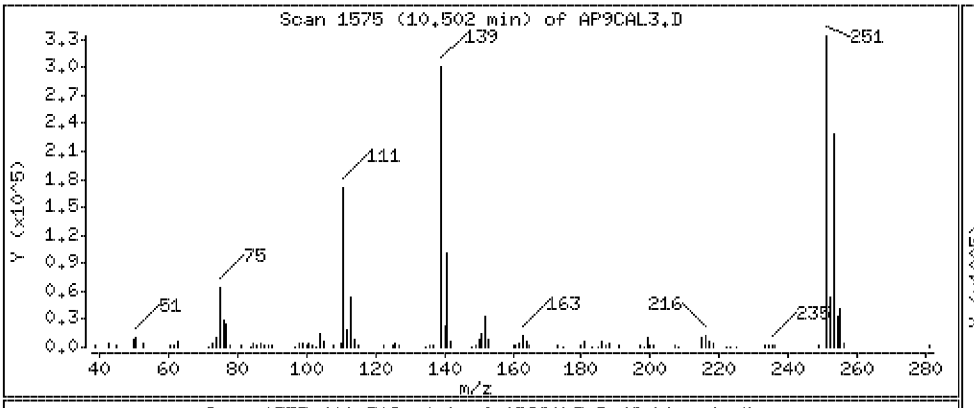
Operator: PEL

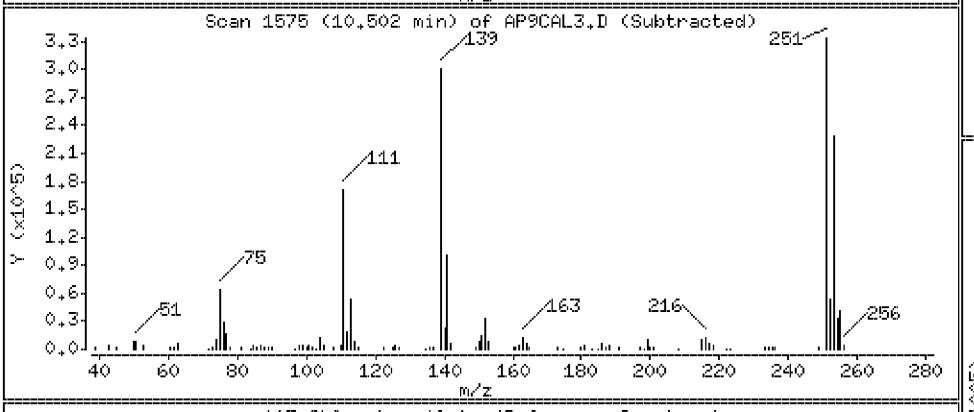
Column phase: HPMS-5

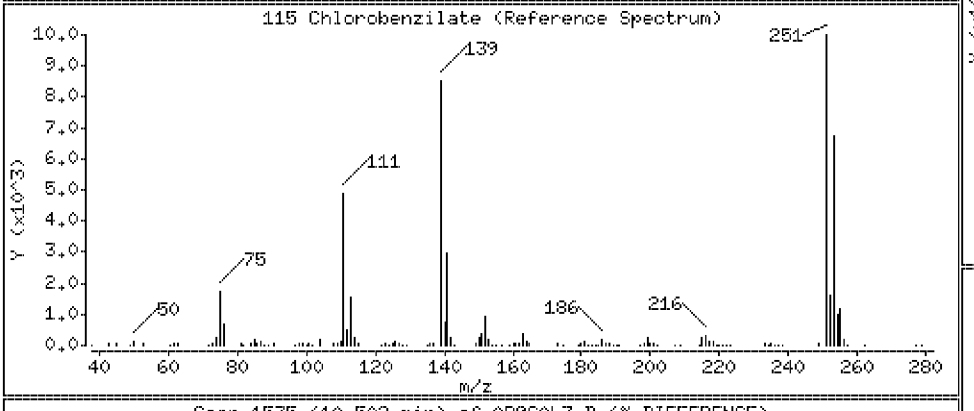
Column diameter: 0.25

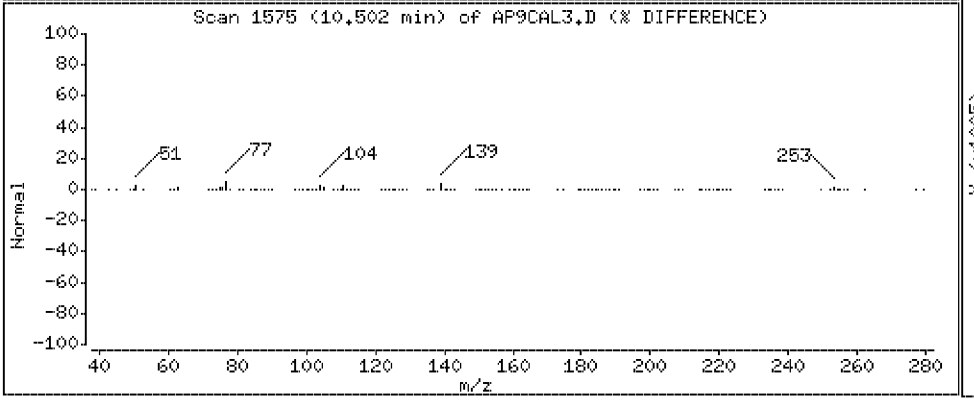
115 Chlorobenzilate

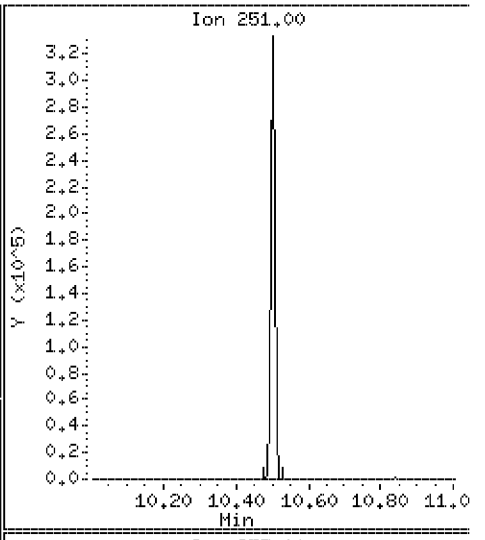
Concentration: 18.5 ug/l

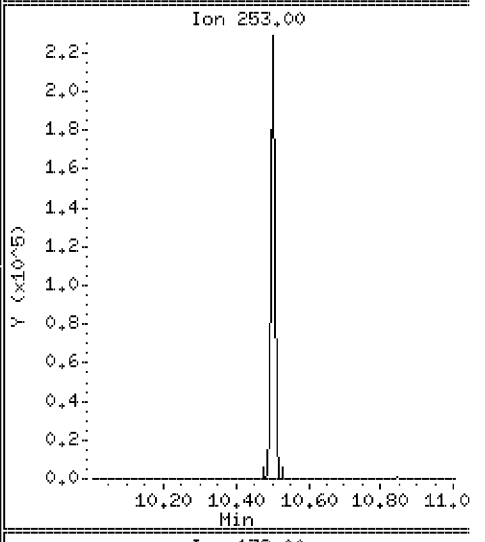


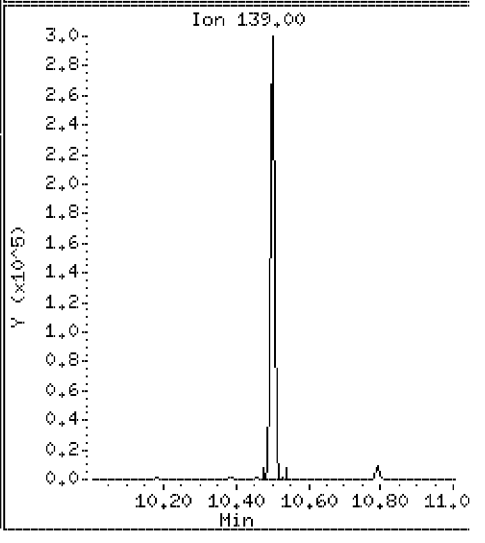












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

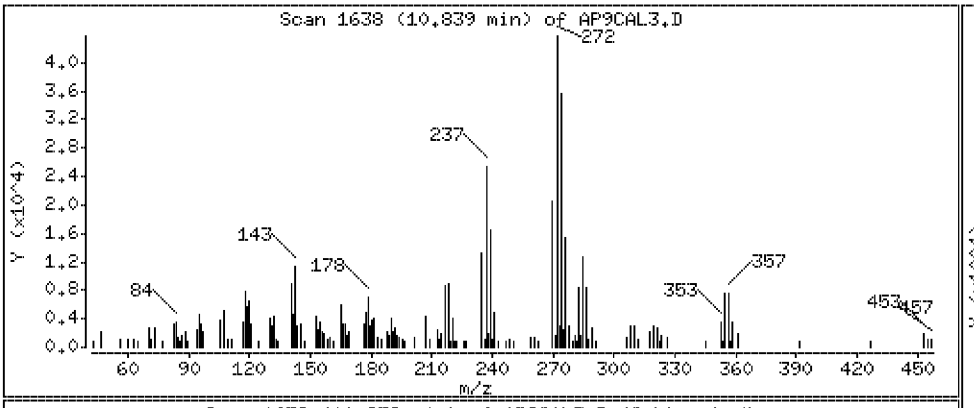
Operator: PEL

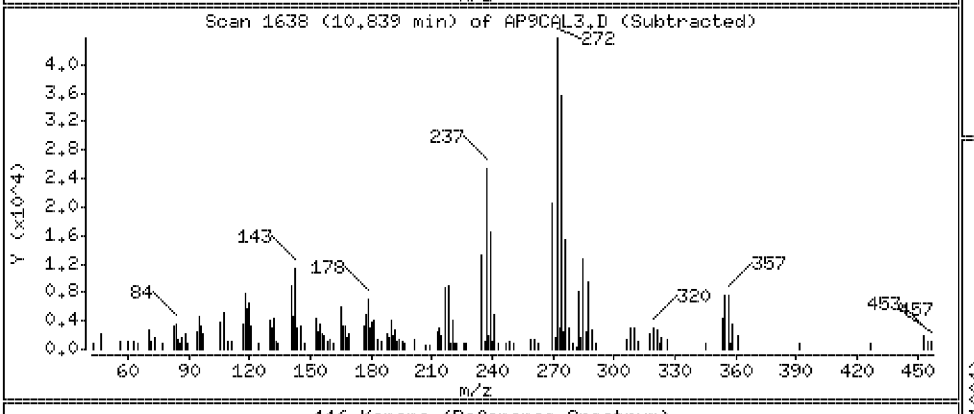
Column phase: HPMS-5

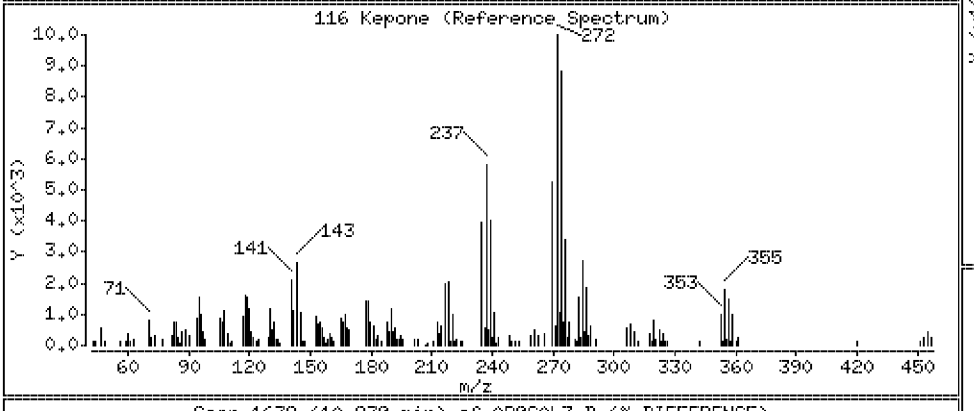
Column diameter: 0.25

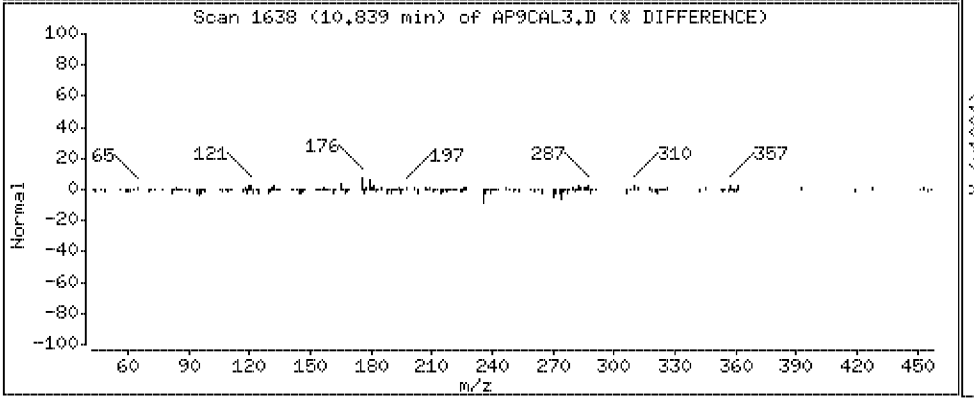
116 Kepone

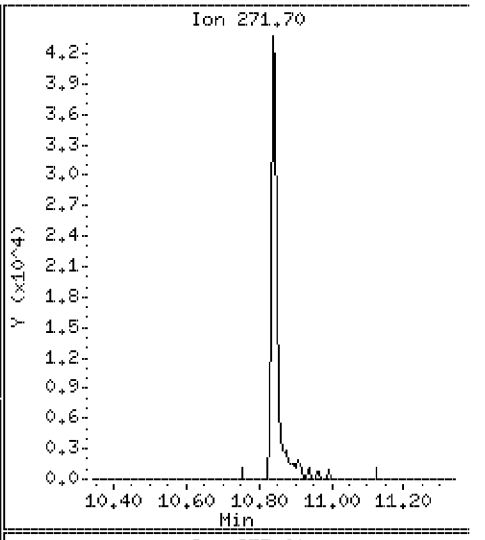
Concentration: 21.2 ug/l

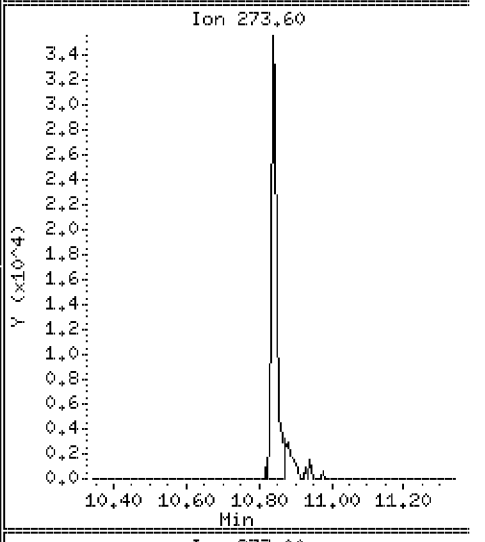


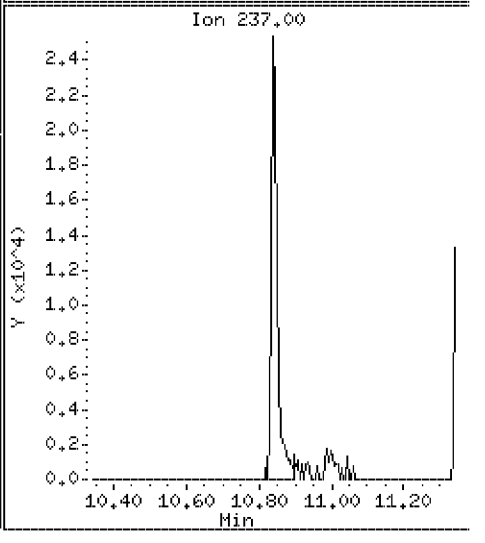












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

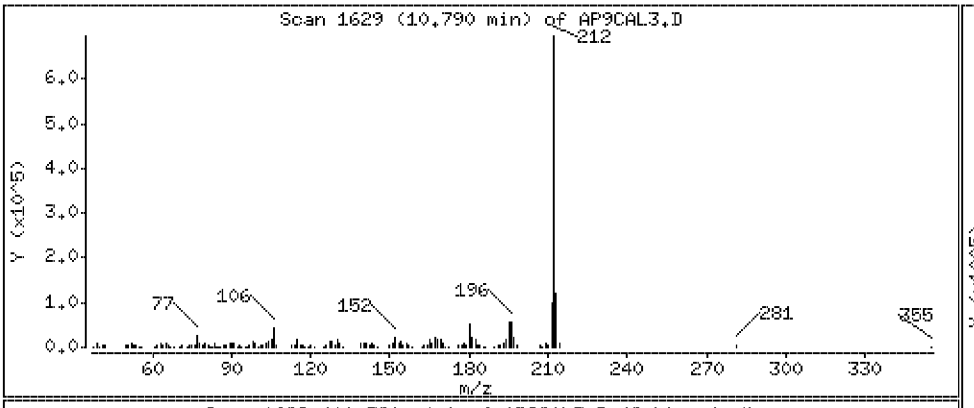
Operator: PEL

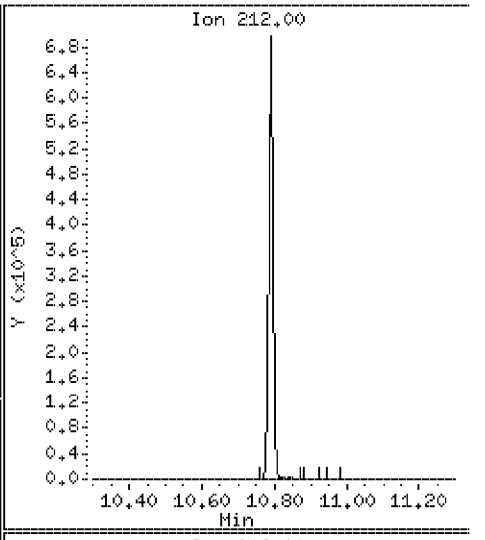
Column phase: HPMS-5

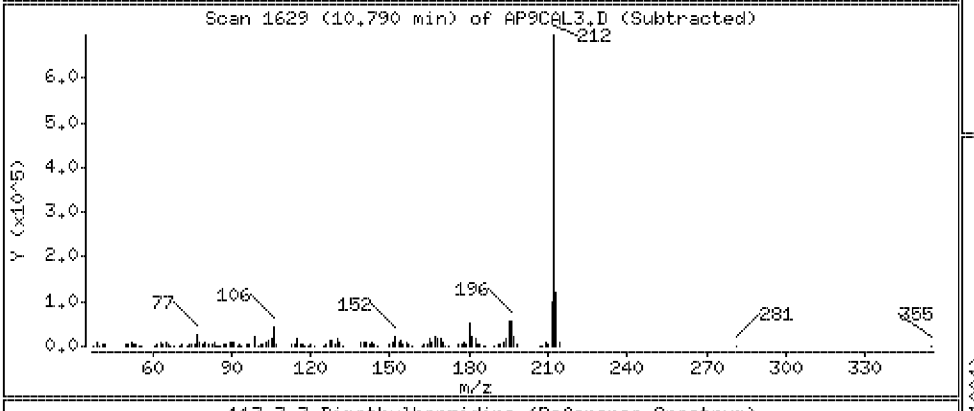
Column diameter: 0.25

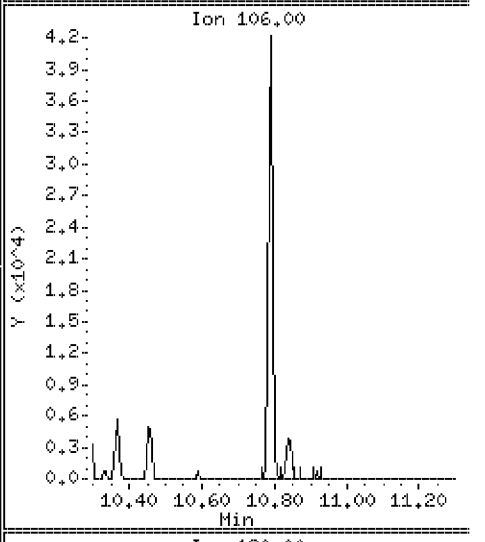
117 3,3-Dimethylbenzidine

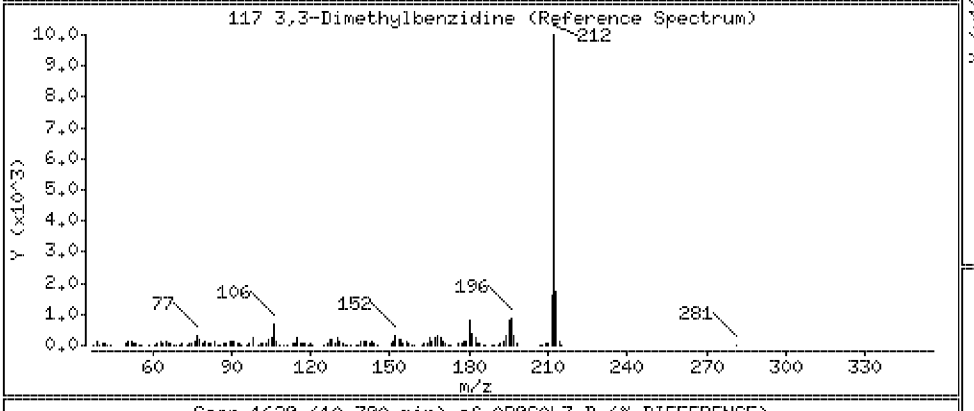
Concentration: 20.5 ug/l

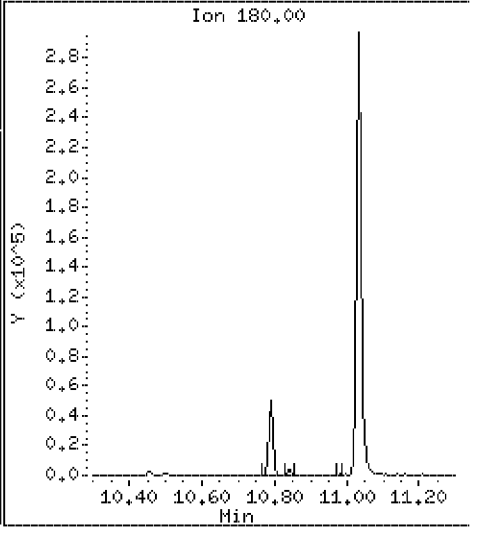


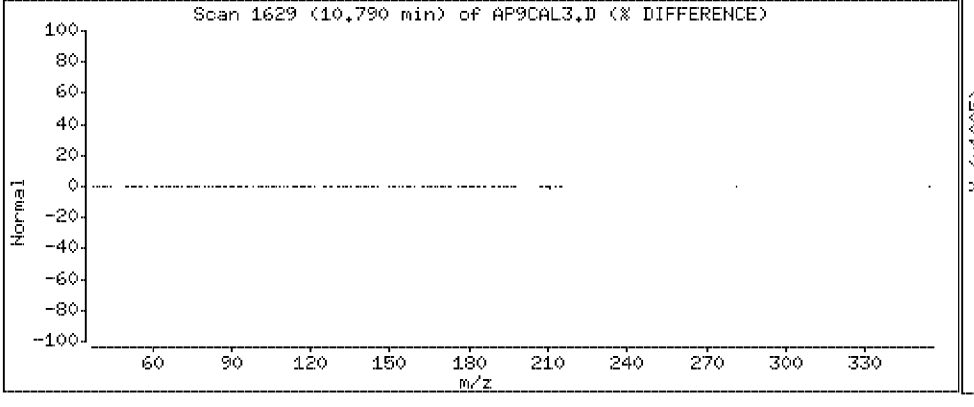












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

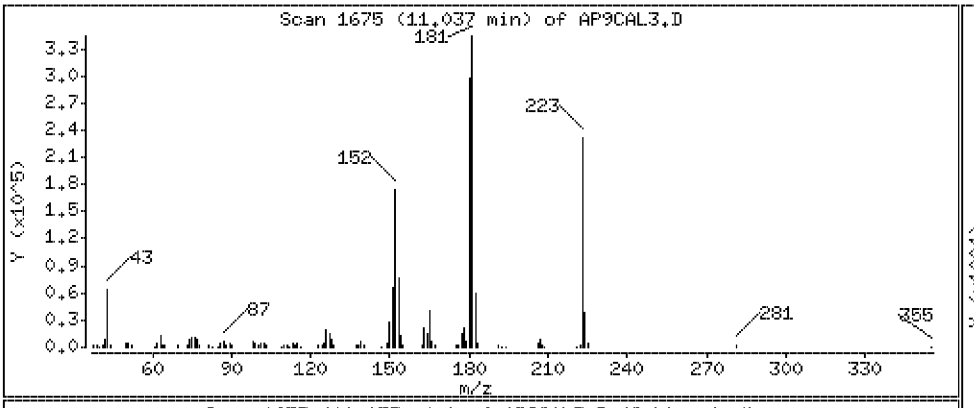
Operator: PEL

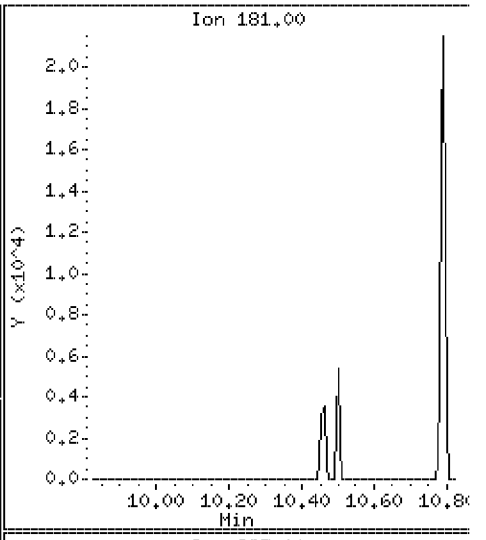
Column phase: HPMS-5

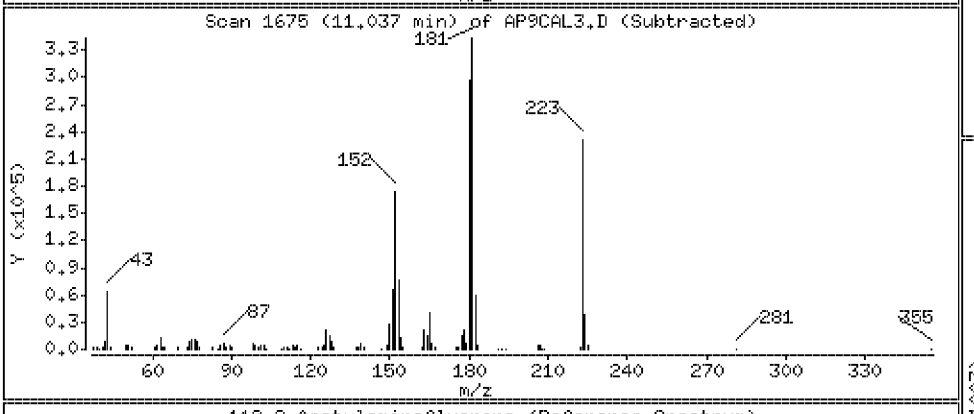
Column diameter: 0.25

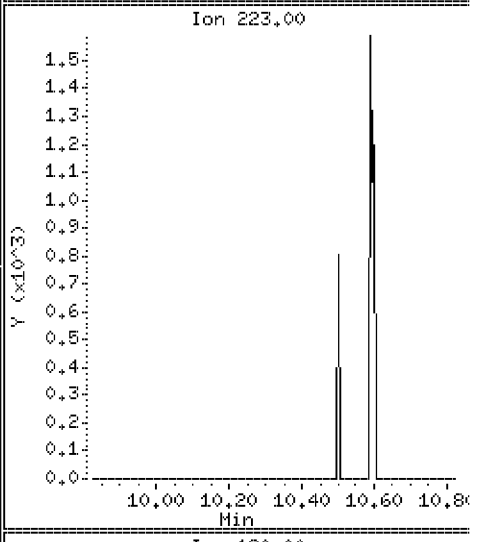
119 2-Acetylaminofluorene

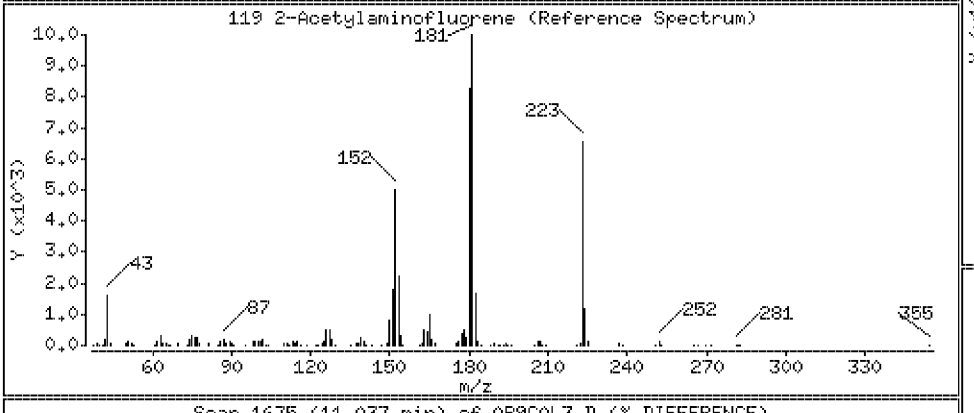
Concentration: 18.6 ug/l

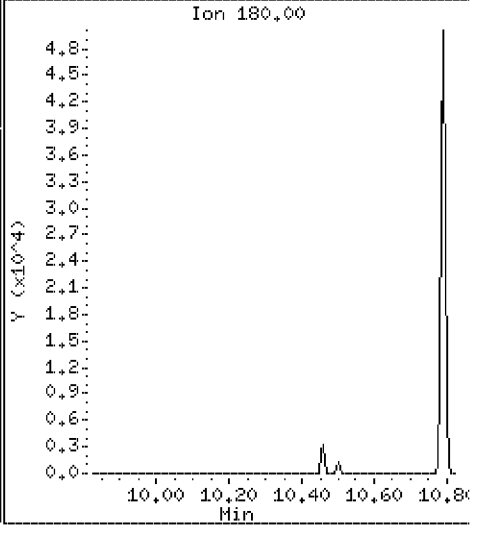


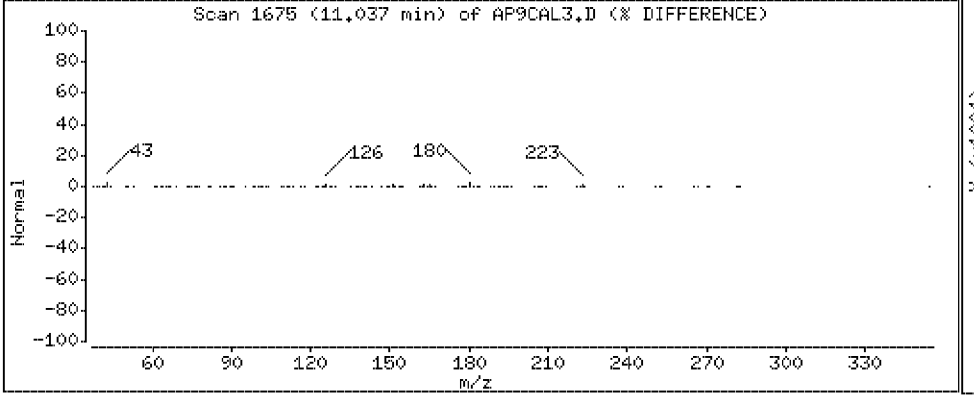












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

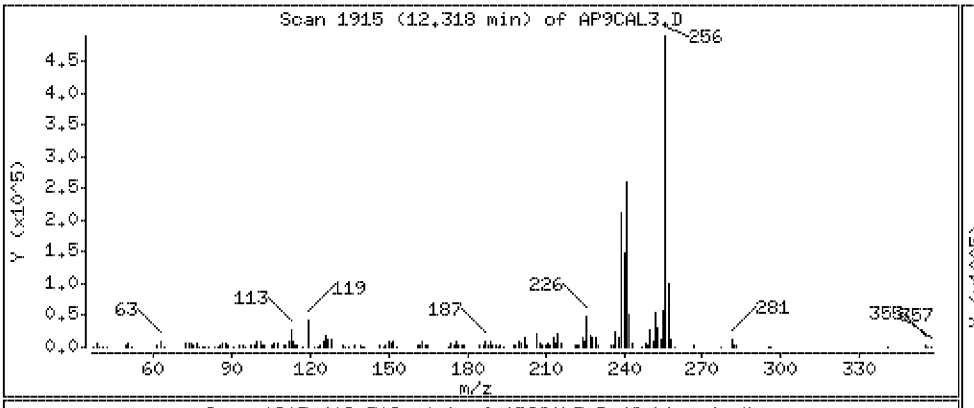
Operator: PEL

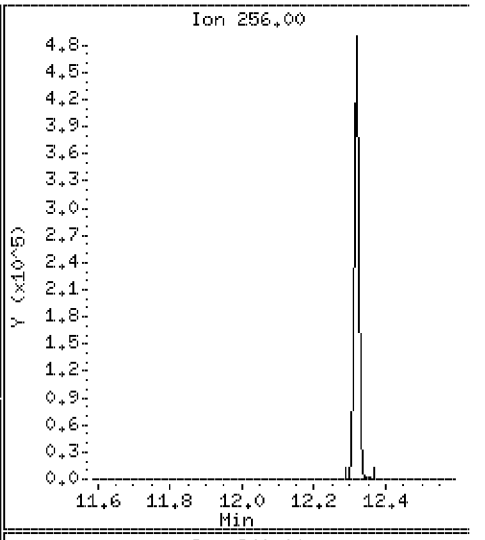
Column phase: HPMS-5

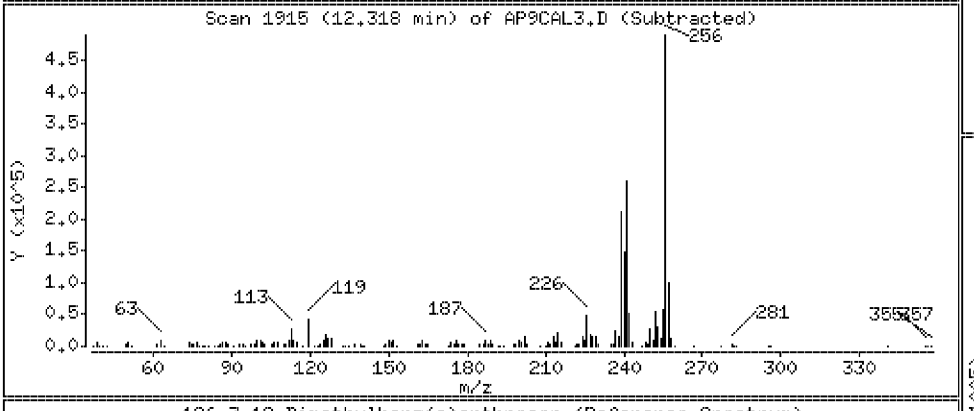
Column diameter: 0.25

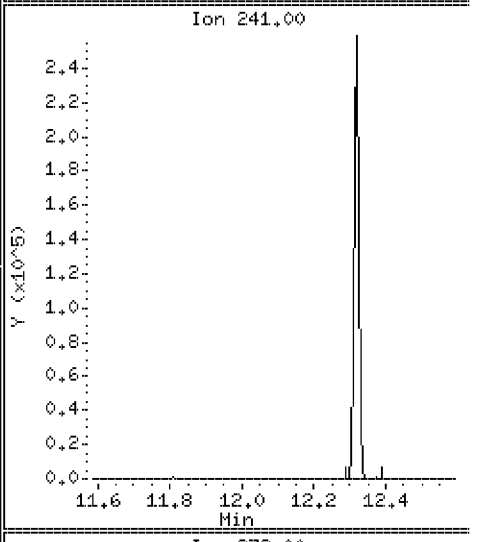
126 7,12-Dimethylbenz(a)anthracen

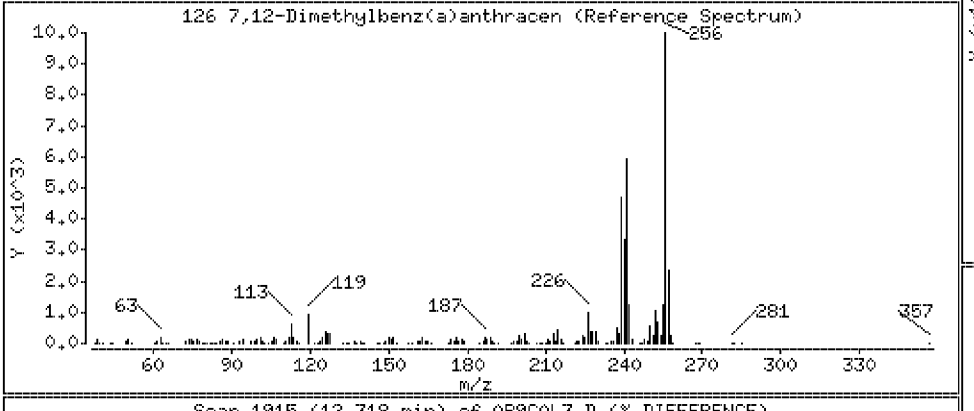
Concentration: 18.8 ug/l

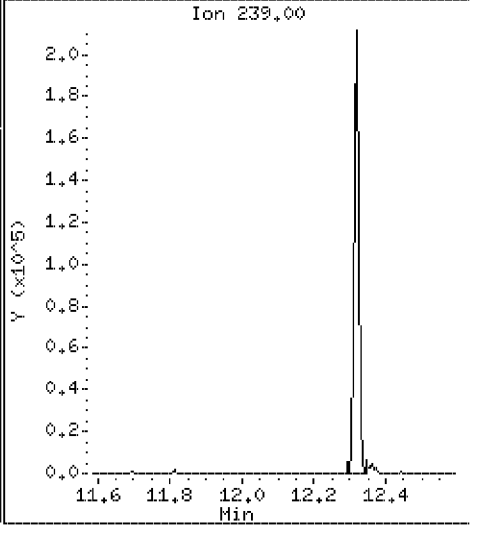


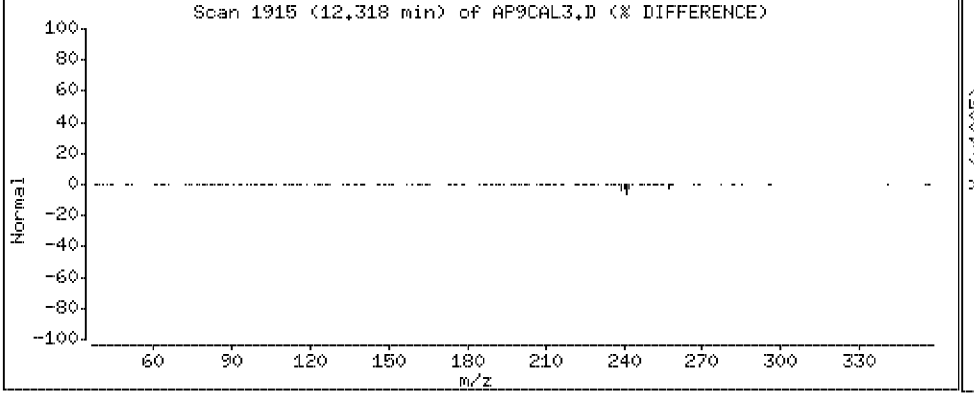












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

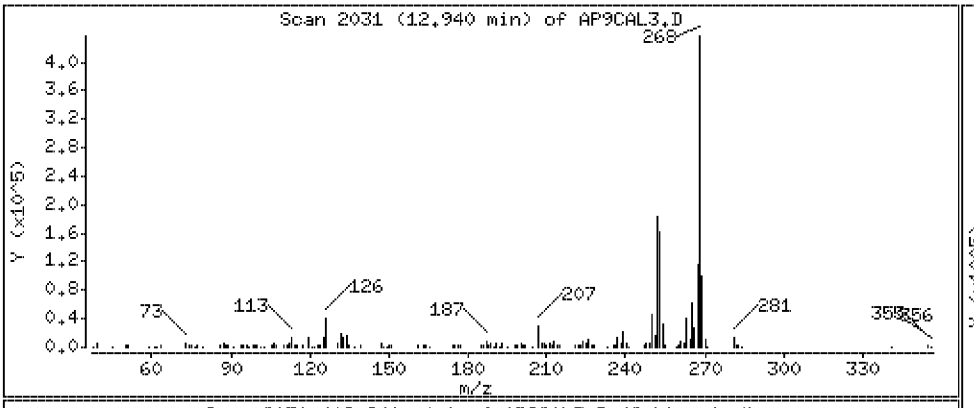
Operator: PEL

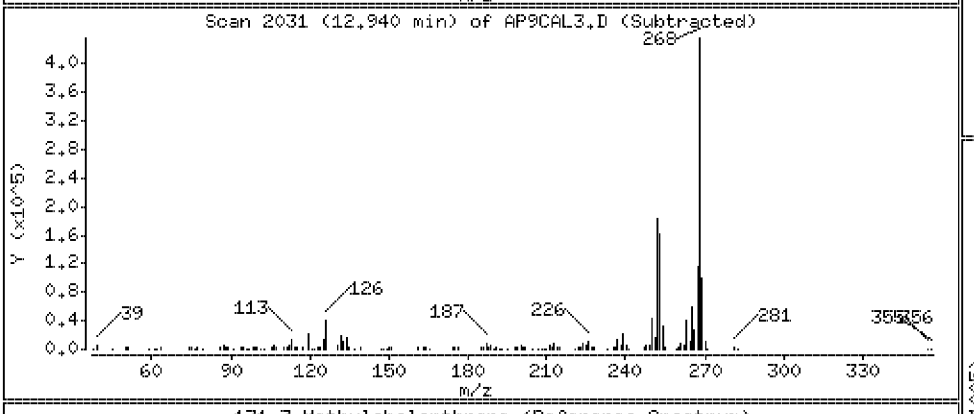
Column phase: HPMS-5

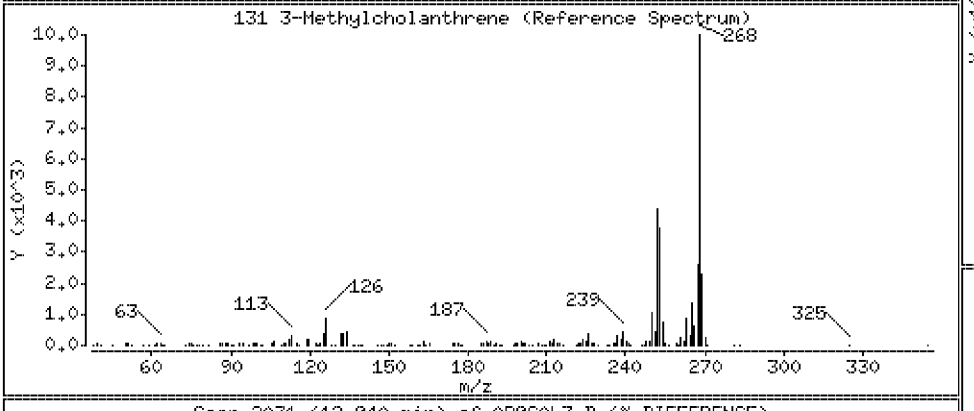
Column diameter: 0.25

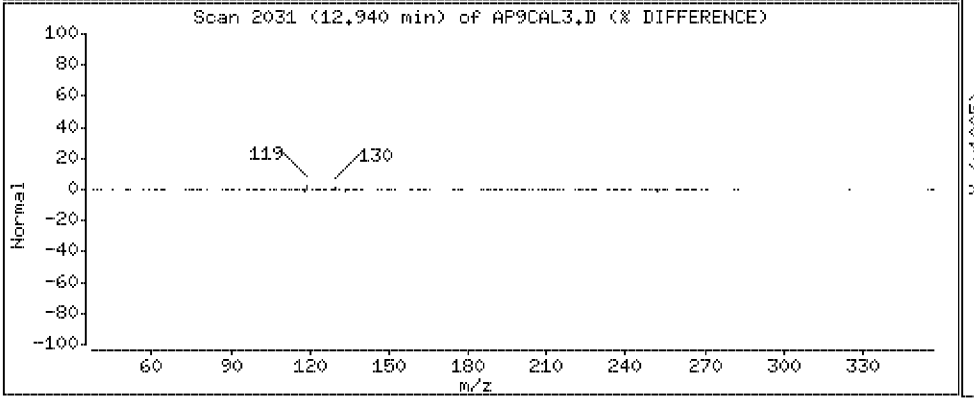
131 3-Methylcholanthrene

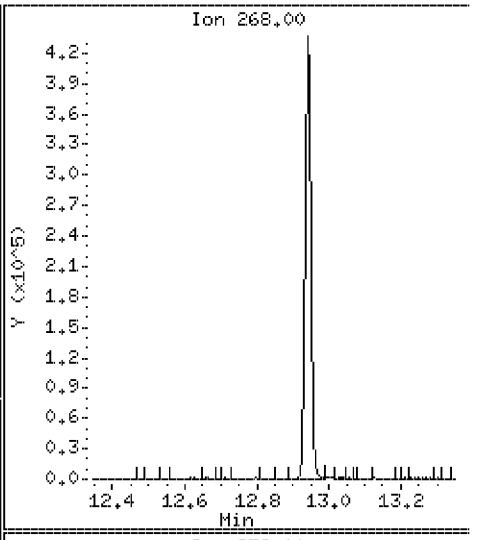
Concentration: 19.3 ug/l

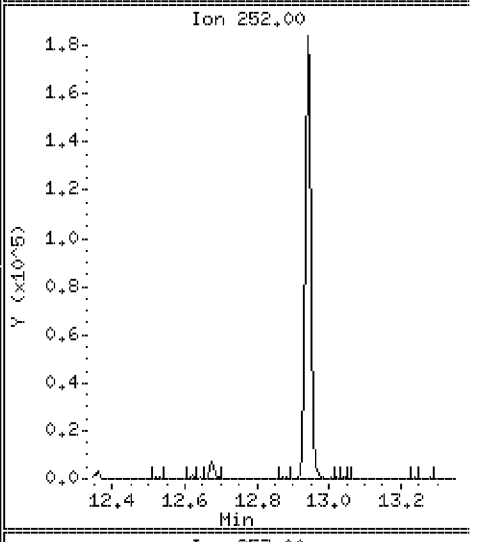


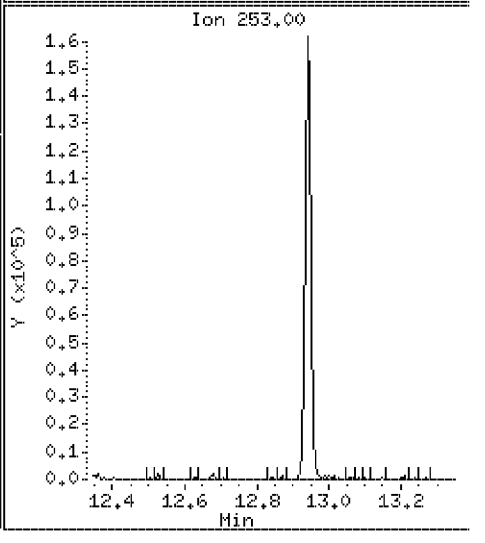












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL3.D

Date : 23-APR-2012 18:41

Client ID: AP9CAL3

Instrument: smsd03.i

Sample Info: 45959

Purge Volume: 1000.0

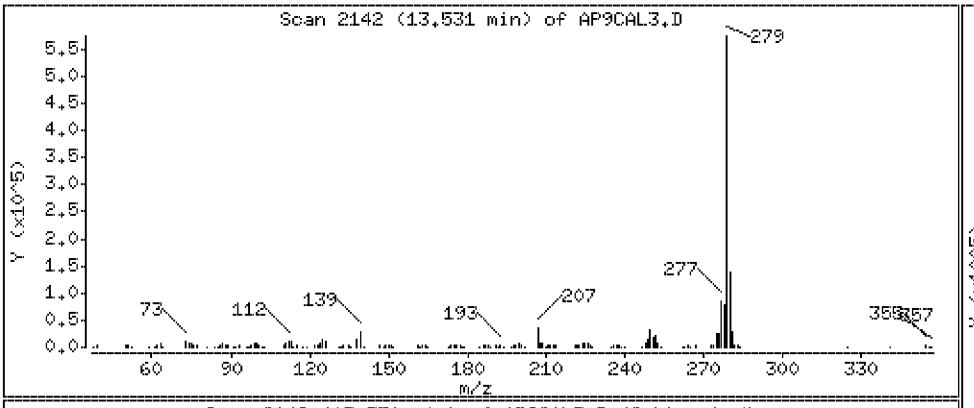
Operator: PEL

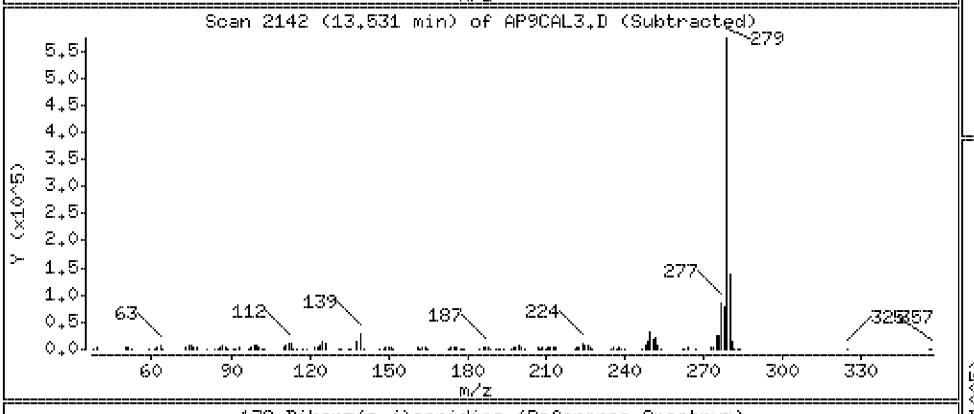
Column phase: HPMS-5

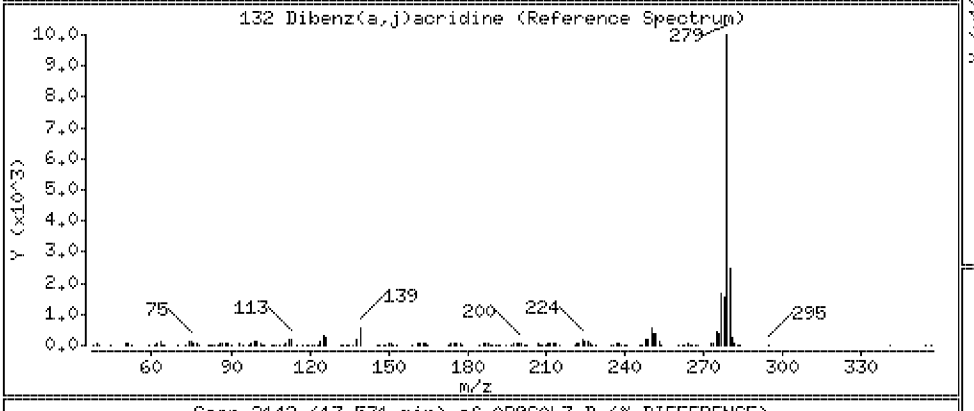
Column diameter: 0.25

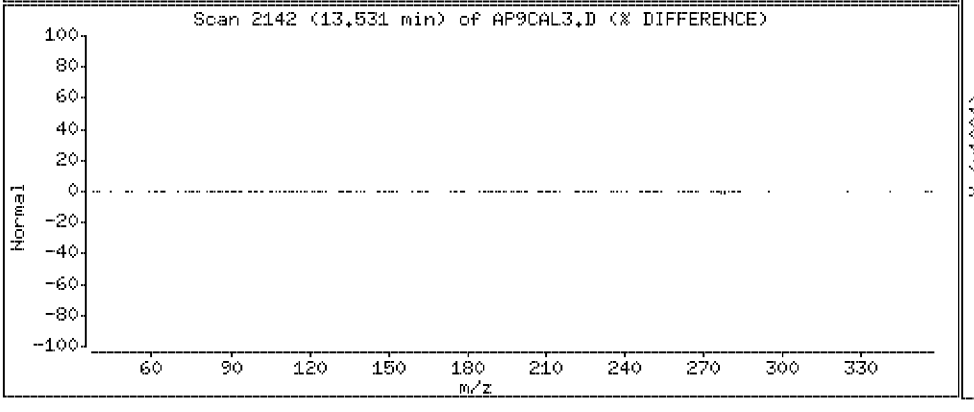
132 Dibenz(a,j)acridine

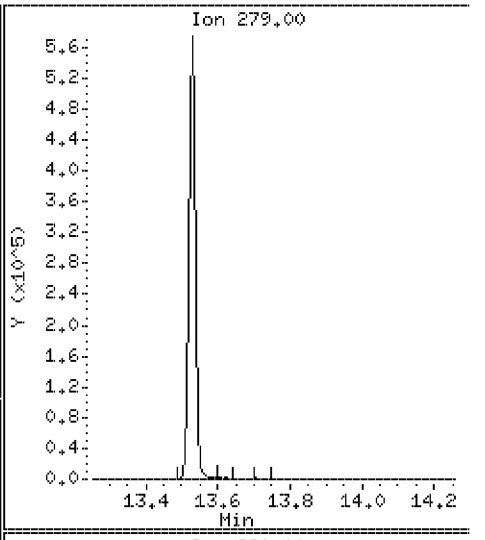
Concentration: 19.8 ug/l

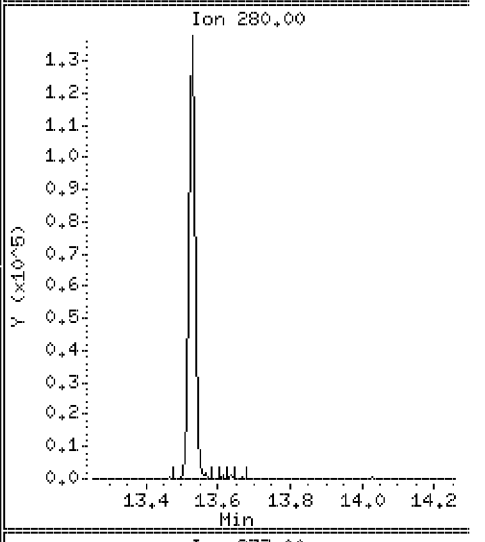


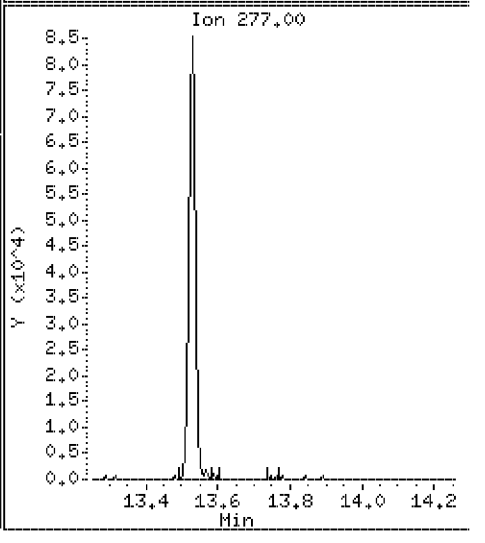












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D
Lab Smp Id: 45960 Client Smp ID: AP9CAL2
Inj Date : 23-APR-2012 19:04
Operator : MJ Inst ID: smsd03.i
Smp Info : 45960
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 19:04 Cal File: AP9CAL2.D
Als bottle: 23 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.937	3.382	(0.661)	93	95886	10.0000	9.1	70.00- 130.00	100.00
2.937	3.382	(0.661)	66	48360			46.98- 106.98	50.43
2.937	3.382	(0.661)	92	25485			941.44-1001.44	26.58
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.007	3.005	(0.676)	88	42940	10.0000	9.5	80.00- 120.00	100.00
3.010	3.005	(0.677)	43	21270			16.66- 76.66	49.53
3.009	3.005	(0.677)	42	43415			75.28- 135.28	101.11
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.238	3.383	(0.728)	80	71810	10.0000	9.6	70.00- 130.00	100.00
3.239	3.383	(0.729)	79	42581			41.30- 101.30	59.30
3.238	3.383	(0.728)	65	19306			390.98- 450.98	26.88
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.552	3.383	(0.799)	102	41839	10.0000	9.4	70.00- 130.00	100.00
3.551	3.383	(0.799)	42	30283			4947.35-5007.35	72.38
3.552	3.383	(0.799)	57	16241			172953.97-173013.97	38.82
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.787	4.446	(0.852)	79	74778	10.0000	9.7	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.787	4.446	(0.852)	109	35542			103.08- 163.08	47.53
3.786	4.446	(0.852)	97	11487			71.09- 131.09	15.36
	12 Pentachloroethane					CAS #: 76-01-7		
4.206	4.207	(0.946)	167	39295	10.0000	8.9	80.00- 120.00	100.00
4.206	4.207	(0.946)	117	28233			42.54- 102.54	71.85
4.207	4.207	(0.946)	130	17286			11.81- 71.81	43.99
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.446	4.448	(1.000)	152	288079	40.0000		80.00- 120.00	100.00
4.445	4.448	(1.000)	115	181710			32.20- 92.20	63.08
4.446	4.448	(1.000)	150	441725			139.77- 199.77	153.33
	24 N-Nitrosopyrrolidine					CAS #: 930-55-2		
4.780	4.944	(1.075)	100	41648	10.0000	8.9	70.00- 130.00	100.00
4.781	4.944	(1.075)	41	29816			349.38- 409.38	71.59
4.780	4.944	(1.075)	42	26705			7836.39-7896.39	64.12
	25 Acetophenone					CAS #: 98-86-2		
4.797	4.807	(0.856)	105	130434	10.0000	9.6	70.00- 130.00	100.00
4.797	4.807	(0.856)	77	126428			4410.01-4470.01	96.93
4.797	4.807	(0.856)	51	32880			1262.06-1322.06	25.21
	27 N-Nitrosomorpholine					CAS #: 59-89-2		
4.812	4.446	(1.082)	56	43191	10.0000	9.0	70.00- 130.00	100.00
4.813	4.446	(1.082)	116	15074			116.25- 176.25	34.90
4.811	4.446	(1.082)	86	32931			171.65- 231.65	76.25
	29 o-Toluidine					CAS #: 95-53-4		
4.830	4.814	(1.086)	106	138437	10.0000	9.0	70.00- 130.00	100.00
4.830	4.814	(1.086)	77	35735			36058.41-36118.41	25.81
4.830	4.814	(1.086)	107	99211			76505.71-76565.71	71.67
	33 N-Nitrosopiperidine					CAS #: 100-75-4		
5.094	4.798	(0.909)	114	39005	10.0000	9.4	70.00- 130.00	100.00
5.092	4.798	(0.908)	42	45727			3934.42-3994.42	117.23
5.092	4.798	(0.908)	55	23278			491.51- 551.51	59.68
	37 o,o,o-Triethylphosphorothioate					CAS #: 126-68-1		
5.336	5.338	(1.200)	198	61179	10.0000	8.8	80.00- 120.00	100.00
5.335	5.338	(1.200)	97	41767			34.93- 94.93	68.27
5.335	5.338	(1.200)	65	31024			24.79- 84.79	50.71
	39 a,a-Dimethylphenethylamine					CAS #: 122-09-8		
5.443	5.370	(0.971)	58	136016	10.0000	9.4	70.00- 130.00	100.00(M)
5.441	5.370	(0.970)	91	42883			64.34- 124.34	31.53
5.440	5.370	(0.970)	65	24940			12409.05-12469.05	18.34
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.607	5.610	(1.000)	136	950379	40.0000		80.00- 120.00	100.00
5.606	5.610	(1.000)	68	52908			0.00- 35.51	5.57

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.689	5.691	(1.015)	162	70613	10.0000	8.9	70.00- 130.00	100.00
5.688	5.691	(1.014)	63	54851			8424.37-8484.37	77.68
5.688	5.691	(1.015)	98	20758			164.07- 224.07	29.40
47 Hexachloropropene						CAS #: 1888-71-7		
5.712	5.712	(1.019)	213	100424	10.0000	9.5	80.00- 120.00	100.00
5.712	5.712	(1.019)	215	62141			34.61- 94.61	61.88
5.711	5.712	(1.019)	117	19185			0.00- 50.39	19.10
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.989	6.287	(1.068)	84	66018	10.0000	8.6	70.00- 130.00	100.00
5.989	6.287	(1.068)	57	41177			1288.18-1348.18	62.37
5.988	6.287	(1.068)	41	33141			66.46- 126.46	50.20
52 Isosafrole						CAS #: 120-58-1		
6.198	6.619	(1.105)	162	72082	10.0000	9.4	70.00- 130.00	100.00
6.198	6.619	(1.105)	104	53732			0.00- 46.22	74.54
6.199	6.619	(1.106)	131	33757			37.69- 97.69	46.83
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.450	6.452	(0.883)	216	112420	10.0000	9.0	80.00- 120.00	100.00
6.450	6.452	(0.883)	214	88106			48.19- 108.19	78.37
6.449	6.452	(0.883)	108	22033			0.00- 47.81	19.60
60 Safrole						CAS #: 94-59-7		
6.701	6.619	(1.195)	162	69459	10.0000	9.6	70.00- 130.00	100.00
6.701	6.619	(1.195)	104	43548			0.00- 46.22	62.70
6.701	6.619	(1.195)	77	28312			0.00- 57.00	40.76
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.930	6.642	(0.949)	158	61149	10.0000	8.7	70.00- 130.00	100.00
6.929	6.642	(0.949)	102	55333			523.56- 583.56	90.49
6.929	6.642	(0.949)	130	28745			0.00- 46.52	47.01
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.067	7.368	(0.968)	168	30479	10.0000	9.2	70.00- 130.00	100.00
7.065	7.368	(0.968)	75	41540			98.40- 158.40	136.29
7.065	7.368	(0.968)	50	21636			177.84- 237.84	70.99
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.302	7.305	(1.000)	164	655653	40.0000		80.00- 120.00	100.00
7.302	7.305	(1.000)	162	630453			64.73- 124.73	96.16
7.302	7.305	(1.000)	160	292064			12.46- 72.46	44.55
73 Pentachlorobenzene						CAS #: 608-93-5		
7.465	7.467	(1.022)	250	109896	10.0000	9.1	80.00- 120.00	100.00
7.465	7.467	(1.022)	252	70576			34.92- 94.92	64.22
7.464	7.467	(1.022)	108	30632			0.00- 56.94	27.87
77 1-Naphthylamine						CAS #: 134-32-7		
7.579	7.837	(1.038)	143	108631	10.0000	9.5	70.00- 130.00	100.00
7.578	7.837	(1.038)	115	62079			7143.21-7203.21	57.15

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
77 1-Naphthylamine (continued)								
7.577	7.837	(1.038)	89	12749			2068.79-2128.79	11.74
78 2,3,4,6-Tetrachlorophenol							CAS #: 58-90-2	
7.632	7.634	(1.045)	232	59926	10.0000	9.0	70.00- 130.00	100.00
7.630	7.634	(1.045)	168	15097			42.05- 102.05	25.19
7.630	7.634	(1.045)	131	23462			9.10- 69.10	39.15
79 2-Naphthylamine							CAS #: 91-59-8	
7.656	7.837	(1.048)	143	144153	10.0000	9.6	70.00- 130.00	100.00
7.656	7.837	(1.048)	115	82931			7143.21-7203.21	57.53
7.656	7.837	(1.048)	116	32031			667.96- 727.96	22.22
83 5-Nitro-ortho-toluidine							CAS #: 99-55-8	
7.851	7.896	(1.075)	152	51984	10.0000	8.9	70.00- 130.00	100.00
7.851	7.896	(1.075)	106	41072			505.60- 565.60	79.01
7.850	7.896	(1.075)	77	68089			735.48- 795.48	130.98
90 1,3,5-Trinitrobenzene							CAS #: 99-35-4	
8.212	8.152	(1.125)	75	122176	10.0000	10.6	70.00- 130.00	100.00
8.212	8.152	(1.125)	74	76542			50.14- 110.14	62.65
8.213	8.152	(1.125)	213	45564			40.88- 100.88	37.29
89 Diallate							CAS #: 2303-16-4	
8.232	8.081	(1.127)	86	72939	10.0000	9.0	70.00- 130.00	100.00(M)
8.232	8.081	(1.127)	43	70519			0.00- 38.70	96.68
8.232	8.081	(1.127)	234	51444			0.00- 39.00	70.53
92 Phenacetin							CAS #: 62-44-2	
8.254	8.384	(0.942)	109	90110	10.0000	10.2	70.00- 130.00	100.00
8.254	8.384	(0.942)	108	89585			77.38- 137.38	99.42
8.254	8.384	(0.942)	179	51679			133.19- 193.19	57.35
91 p-Phenylenediamine							CAS #: 106-50-3	
8.254	8.082	(0.942)	108	89585	10.0000	9.3	70.00- 130.00	100.00
8.253	8.082	(0.942)	80	24205			1858.68-1918.68	27.02
8.253	8.082	(0.942)	53	10037			5306.16-5366.16	11.20
97 Pentachloronitrobenzene							CAS #: 82-68-8	
8.587	8.589	(0.980)	237	42770	10.0000	9.4	80.00- 120.00	100.00
8.586	8.589	(0.980)	295	15930			7.36- 67.36	37.25
8.585	8.589	(0.980)	142	31285			42.99- 102.99	73.15
98 4-Aminobiphenyl							CAS #: 92-67-1	
8.571	8.584	(0.979)	169	215358	10.0000	9.8	70.00- 130.00	100.00
8.571	8.584	(0.979)	168	43953			0.00- 49.63	20.41
8.570	8.584	(0.978)	115	23750			0.00- 40.98	11.03
99 Pronamide							CAS #: 23950-58-5	
8.627	8.781	(0.985)	173	98768	10.0000	9.1	70.00- 130.00	100.00
8.627	8.781	(0.985)	175	67009			2051.90-2111.90	67.84
8.627	8.781	(0.985)	145	38852			63.94- 123.94	39.34

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.758	8.761	(1.000)	188	1266563	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	77001			0.00- 36.35	6.08
8.757	8.761	(1.000)	80	95376			0.00- 37.82	7.53
102 Dinoseb							CAS #: 88-85-7	
8.751	8.753	(0.999)	211	50485	10.0000	9.8	80.00- 120.00	100.00
8.750	8.753	(0.999)	163	19804			7.77- 67.77	39.23
8.750	8.753	(0.999)	117	10181			0.00- 52.05	20.17
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.540	9.334	(1.089)	174	3801	10.0000	10.1	70.00- 130.00	100.00(Q)
9.539	9.334	(1.089)	128	8014			429.24- 489.24	210.84
9.539	9.334	(1.089)	101	13703			988.96-1048.96	360.51
107 Methapyrilene							CAS #: 91-80-5	
9.610	10.322	(1.097)	97	3600	10.0000	8.5	70.00- 130.00	100.00(M)
9.610	10.322	(1.097)	58	3254			11.52- 71.52	90.39
9.604	10.322	(1.097)	191	209			0.00- 52.18	5.81
108 Isodrin							CAS #: 465-73-6	
9.800	10.279	(1.119)	193	36940	10.0000	9.6	70.00- 130.00	100.00
9.798	10.279	(1.119)	66	33439			17952.44-18012.44	90.52
9.800	10.279	(1.119)	195	29694			1135.23-1195.23	80.38
113 Aramite							CAS #: 140-57-8	
10.363	10.370	(0.913)	185	35863	10.0000	9.5	80.00- 120.00	100.00(M)
10.368	10.370	(0.913)	191	17797			21.78- 81.78	49.62
10.294	10.370	(0.907)	319	12008			6.67- 66.67	33.48
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.457	10.323	(0.921)	225	82469	10.0000	8.8	70.00- 130.00	100.00
10.456	10.323	(0.921)	120	74079			99.50- 159.50	89.83
10.455	10.323	(0.921)	77	87473			9.48- 69.48	106.07
115 Chlorobenzilate							CAS #: 510-15-6	
10.501	10.503	(0.925)	251	124012	10.0000	8.6	80.00- 120.00	100.00
10.500	10.503	(0.925)	253	81743			35.78- 95.78	65.92
10.499	10.503	(0.925)	139	115127			60.72- 120.72	92.84
116 Kepone							CAS #: 143-50-0	
10.838	10.840	(0.955)	272	24309	10.0000	9.9	80.00- 120.00	100.00(M)
10.839	10.840	(0.955)	274	18289			51.74- 111.74	75.24
10.839	10.840	(0.955)	237	12706			0.00- 59.52	52.27
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.788	10.799	(0.950)	212	276026	10.0000	9.8	70.00- 130.00	100.00
10.787	10.799	(0.950)	106	15819			2299.94-2359.94	5.73
10.788	10.799	(0.950)	180	18409			6.44- 66.44	6.67
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.033	10.324	(0.972)	181	140685	10.0000	8.6	70.00- 130.00	100.00
11.034	10.324	(0.972)	223	93143			491.83- 551.83	66.21

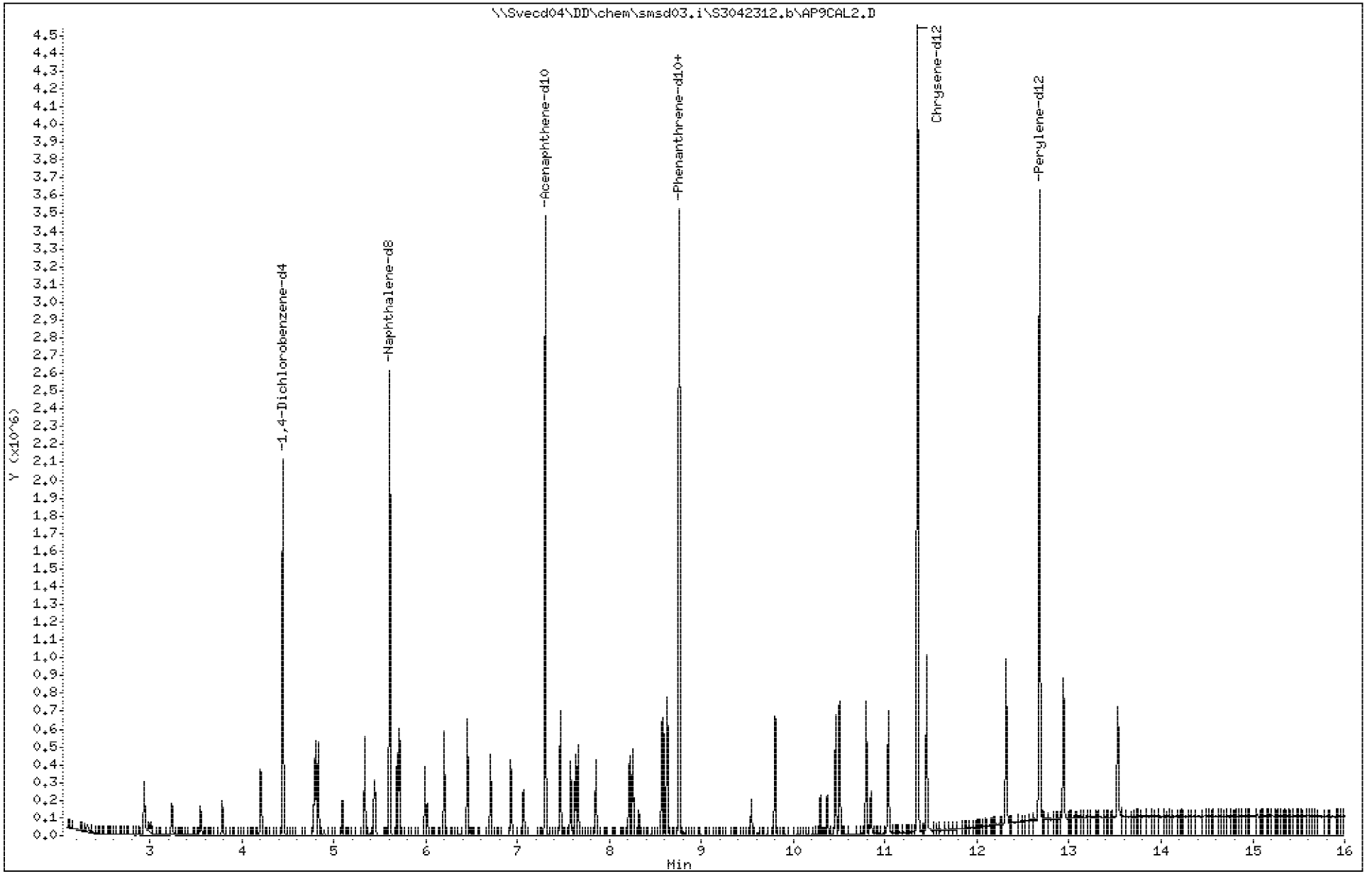
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
119 2-Acetylaminofluorene (continued)								
11.033	10.324	(0.972)	180	114838			639.65- 699.65	81.63
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.352	11.359	(1.000)	240	1581923	40.0000		80.00- 120.00	100.00
11.351	11.359	(1.000)	120	84077			0.00- 36.38	5.31
11.352	11.359	(1.000)	236	424104			0.00- 57.06	26.81
126 7,12-Dimethylbenz(a)anthracen							CAS #: 57-97-6	
12.316	12.088	(0.971)	256	200373	10.0000	8.8	70.00- 130.00	100.00
12.316	12.088	(0.971)	241	109815			77.87- 137.87	54.81
12.315	12.088	(0.971)	239	90701			73.24- 133.24	45.27
* 130 Perylene-d12							CAS #: 1520-96-3	
12.679	12.682	(1.000)	264	1592011	40.0000		80.00- 120.00	100.00
12.679	12.682	(1.000)	260	393071			0.00- 54.80	24.69
12.679	12.682	(1.000)	265	363478			0.00- 53.39	22.83
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.938	12.847	(1.020)	268	230708	10.0000	9.0	70.00- 130.00	100.00
12.938	12.847	(1.020)	252	97238			13.23- 73.23	42.15
12.938	12.847	(1.020)	253	86091			6.61- 66.61	37.32
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.529	13.755	(1.067)	279	346541	10.0000	9.4	70.00- 130.00	100.00
13.529	13.755	(1.067)	280	82380			0.00- 41.79	23.77
13.528	13.755	(1.067)	277	52335			93.47- 153.47	15.10

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D
Date : 23-APR-2012 19:04
Client ID: AP9CAL2
Instrument: smsd03.i
Sample Info: 45960
Purge Volume: 1000.0
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

1882



3505835

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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

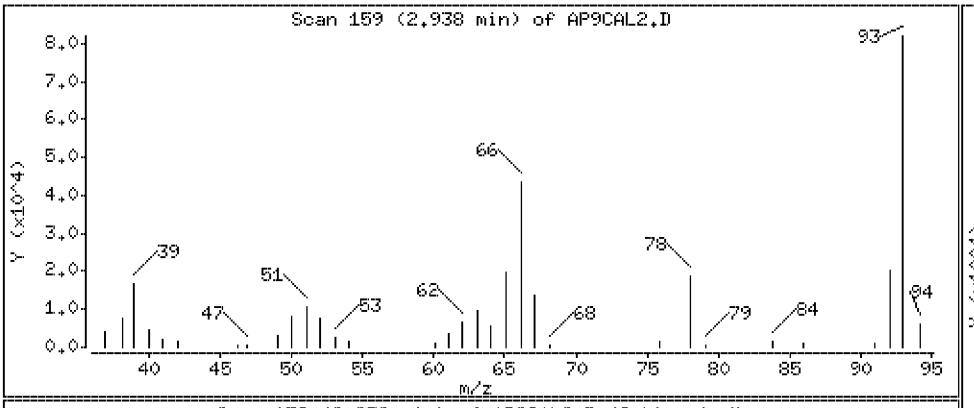
Operator: MJ

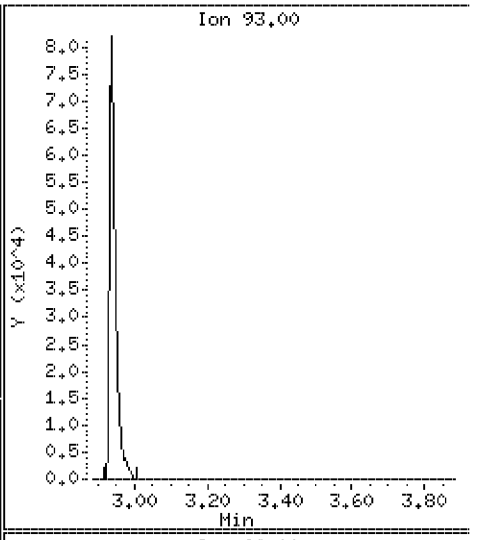
Column phase: HPMS-5

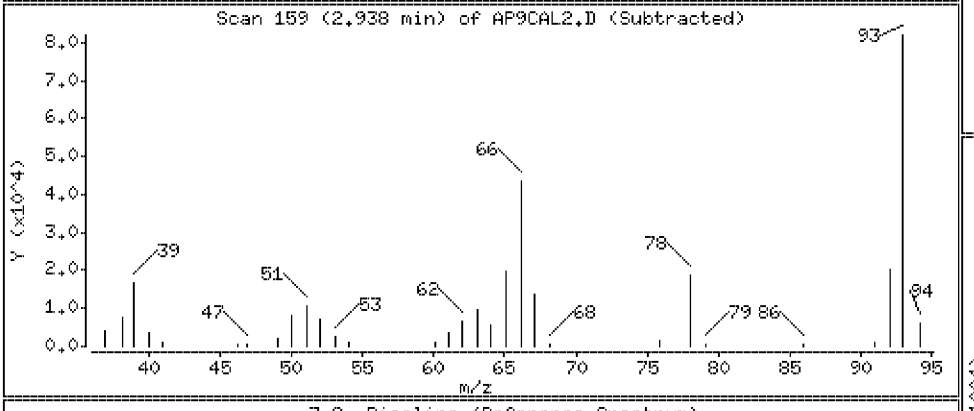
Column diameter: 0.25

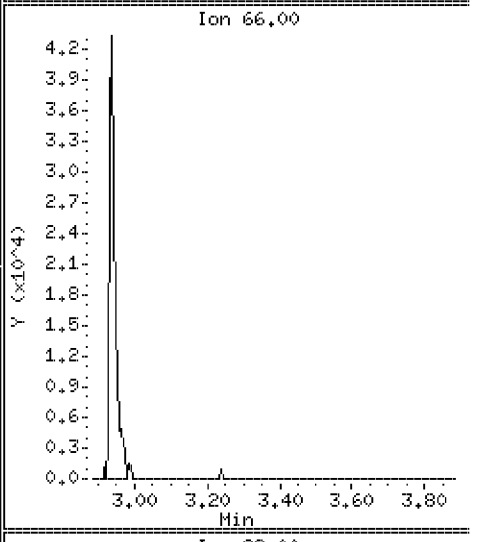
3 2- Picoline

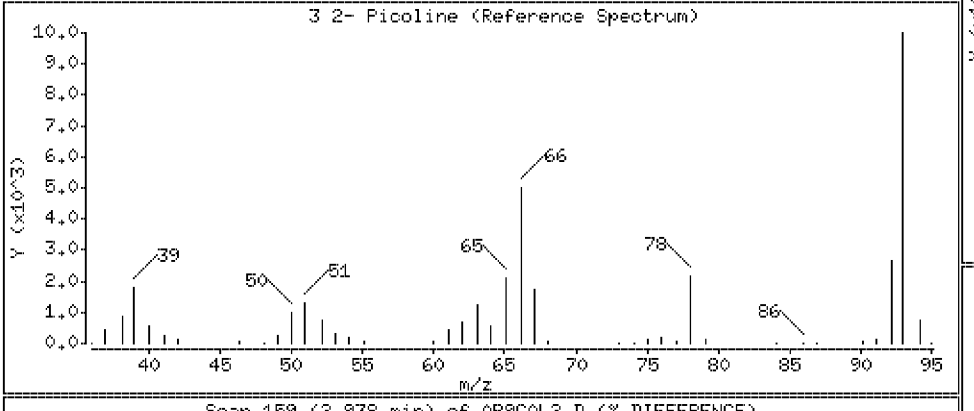
Concentration: 9.1 ug/l

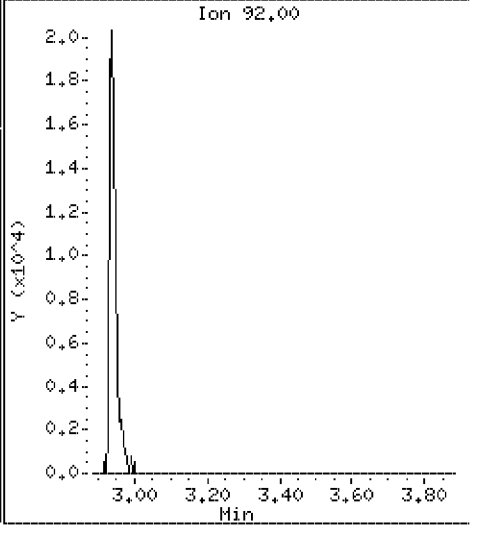


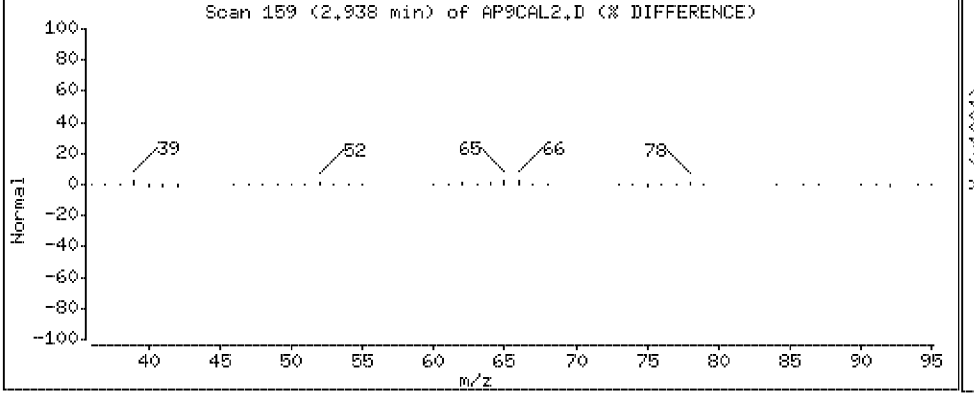












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

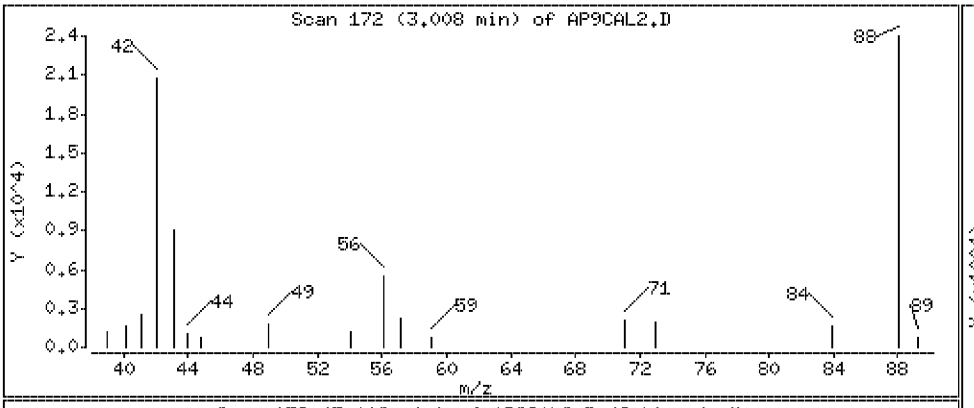
Operator: MJ

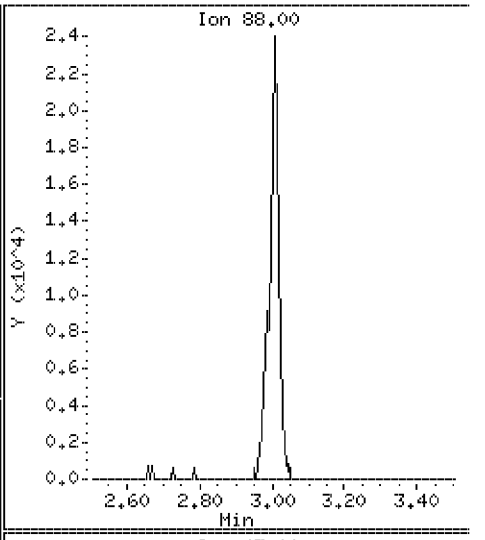
Column phase: HPMS-5

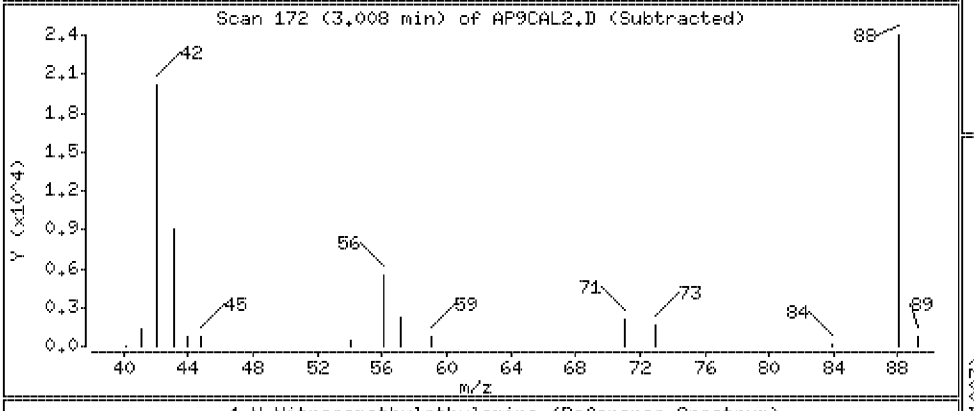
Column diameter: 0.25

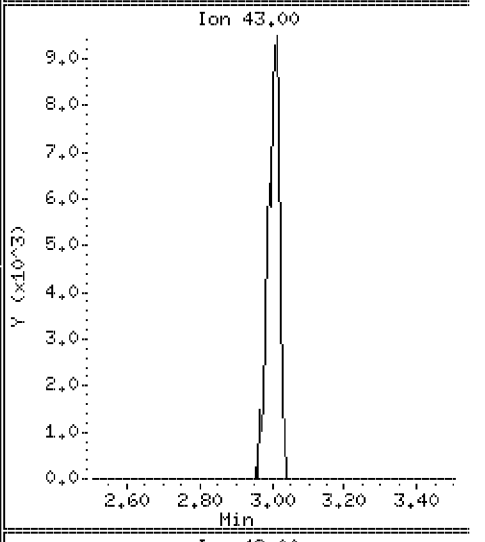
4 N-Nitrosomethylethylamine

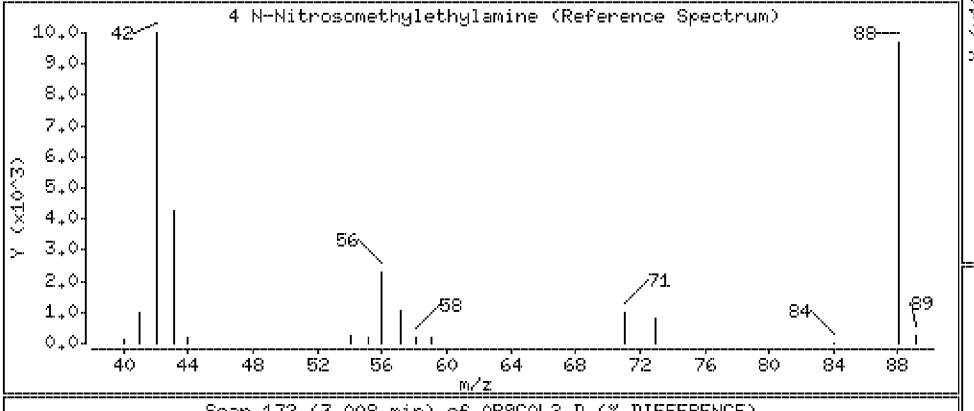
Concentration: 9.5 ug/l

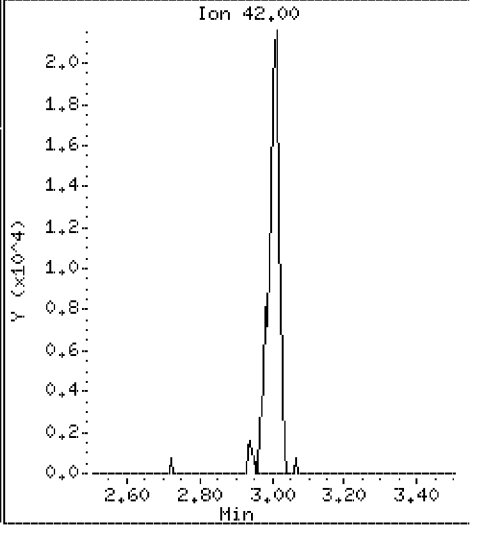


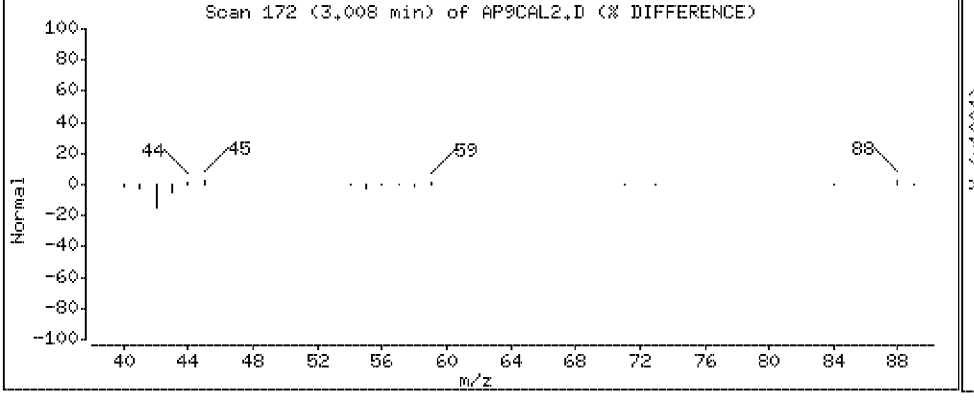












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

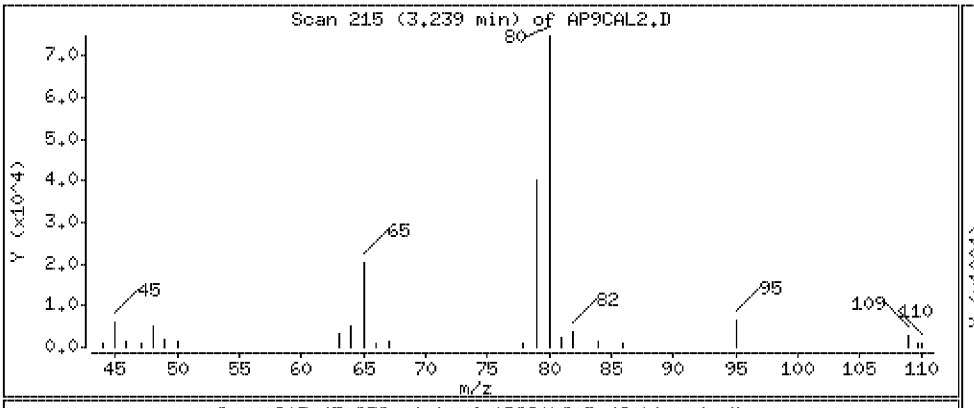
Operator: MJ

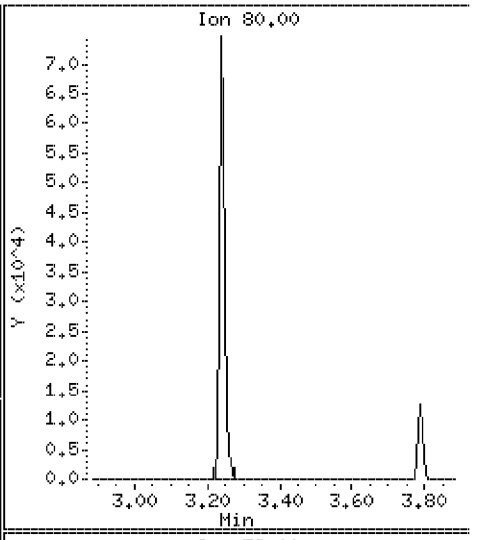
Column phase: HPMS-5

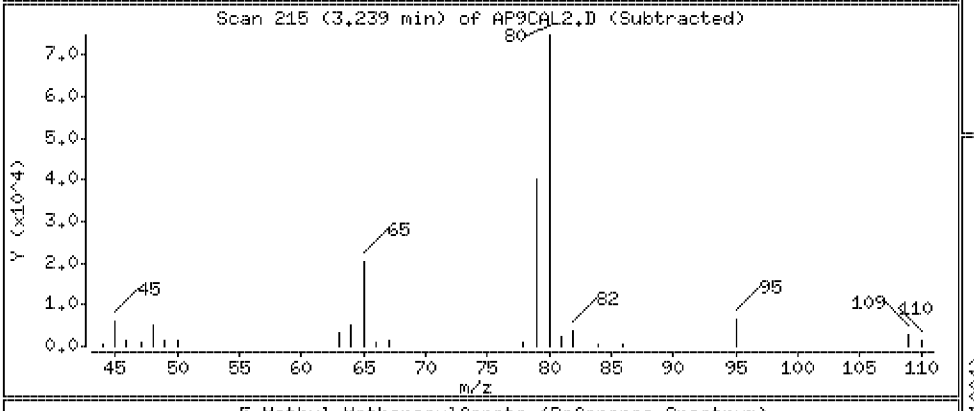
Column diameter: 0.25

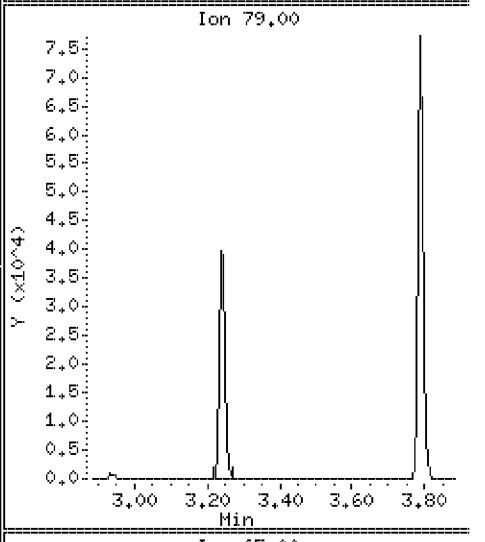
5 Methyl Methanesulfonate

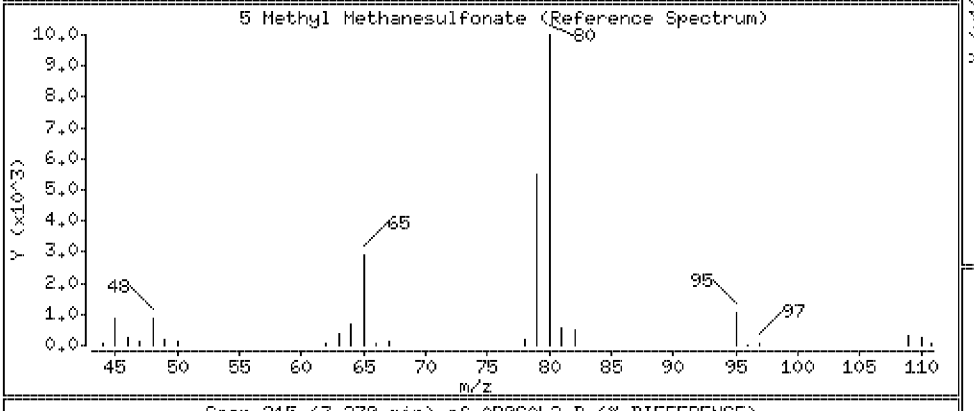
Concentration: 9.6 ug/l

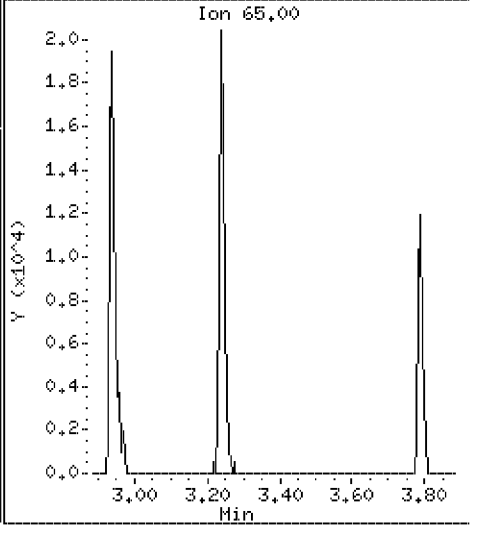


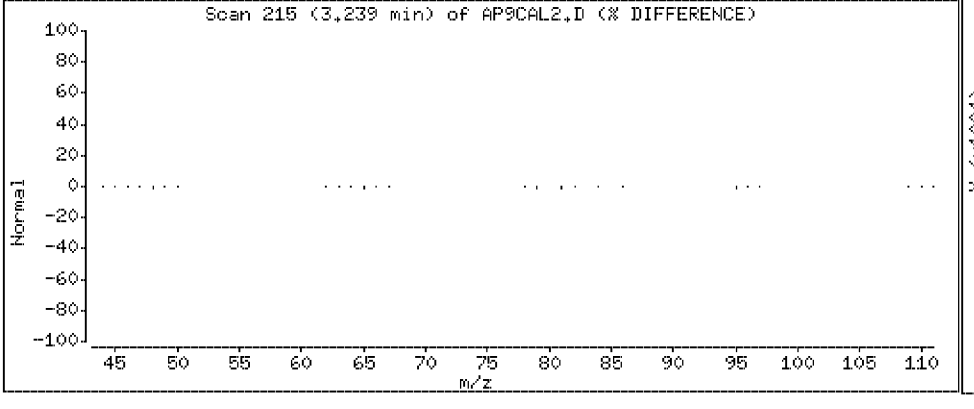












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

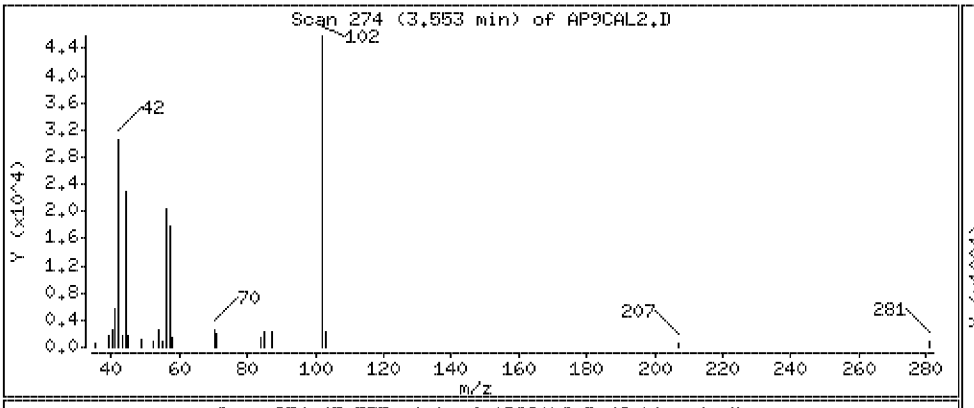
Operator: MJ

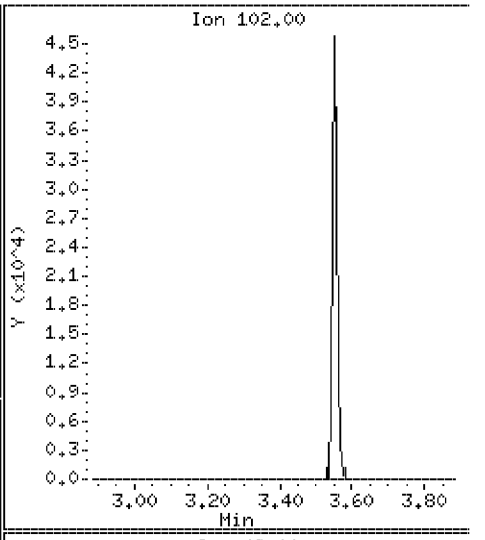
Column phase: HPMS-5

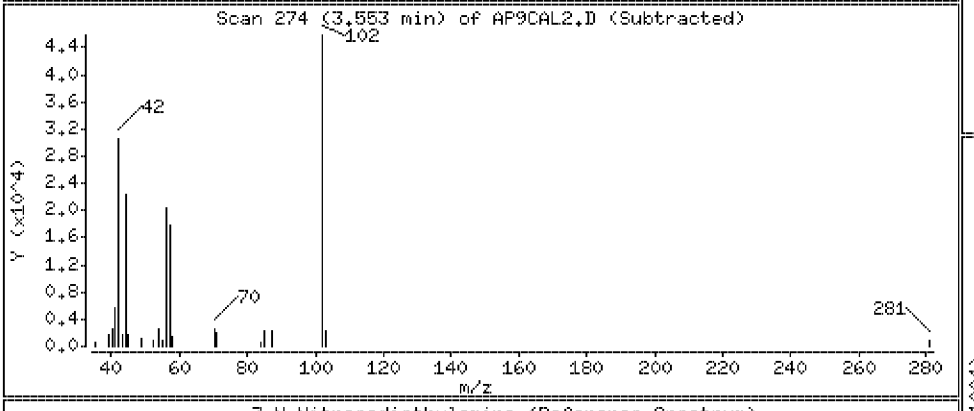
Column diameter: 0.25

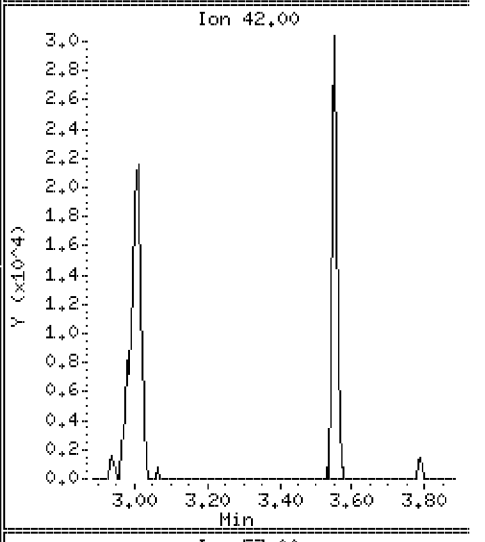
7 N-Nitrosodiethylamine

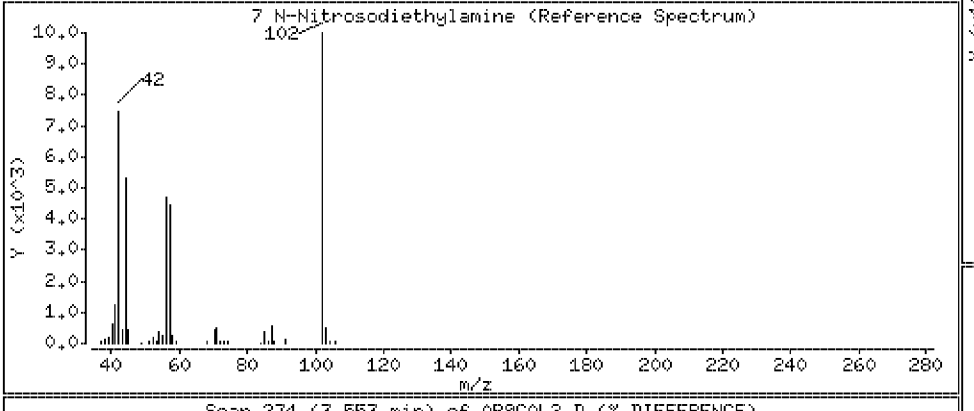
Concentration: 9.4 ug/l

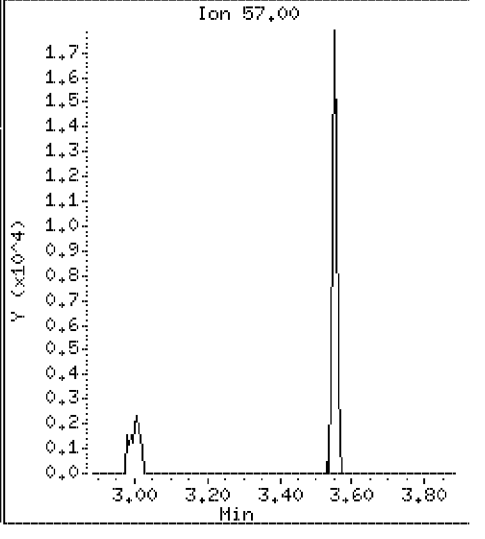


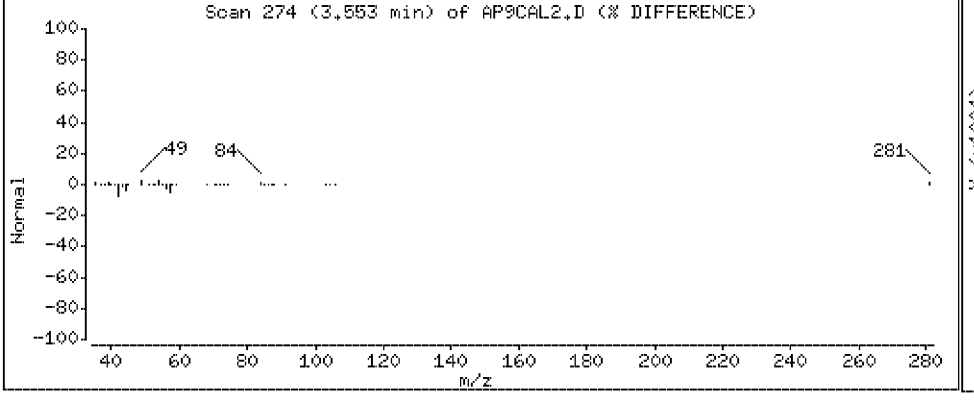












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

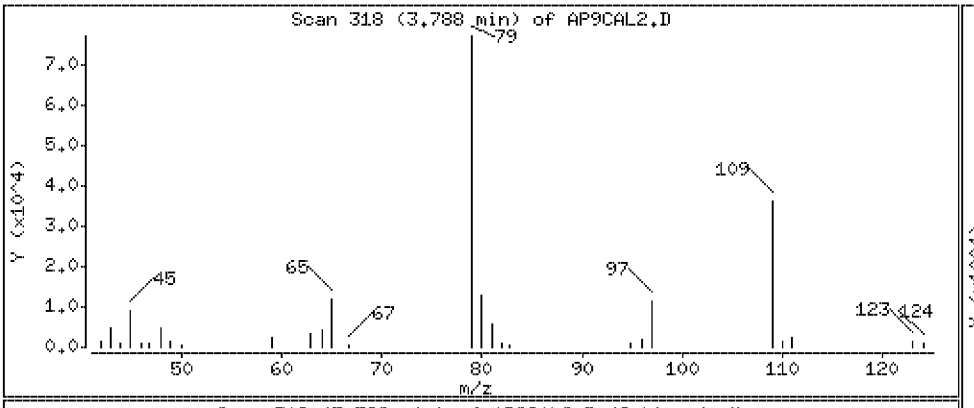
Operator: MJ

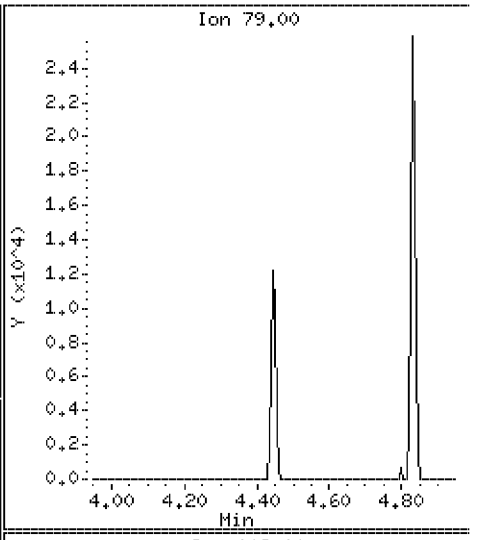
Column phase: HPMS-5

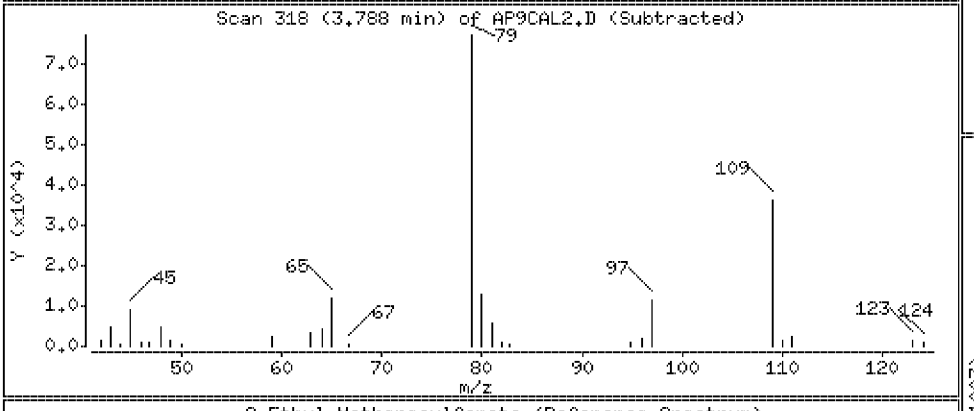
Column diameter: 0.25

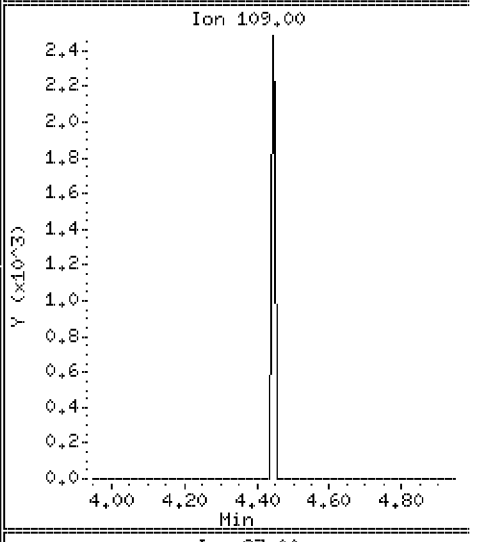
8 Ethyl Methanesulfonate

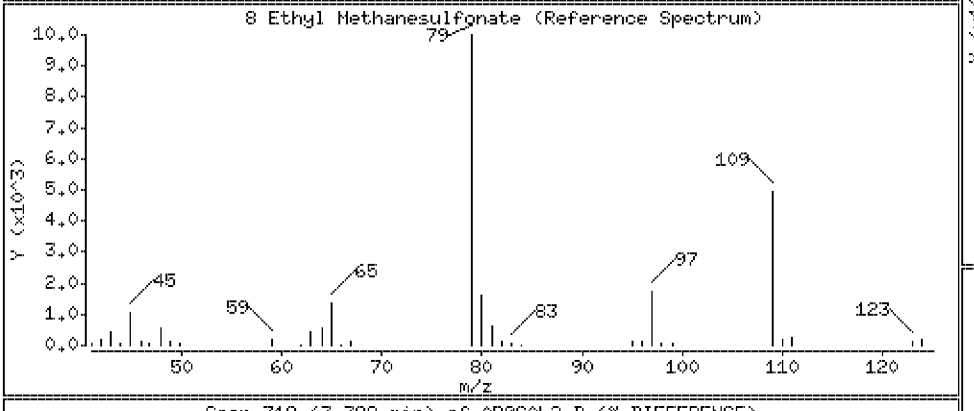
Concentration: 9.7 ug/l

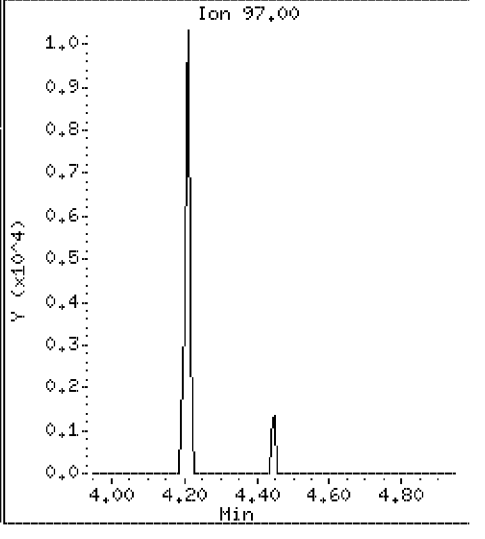


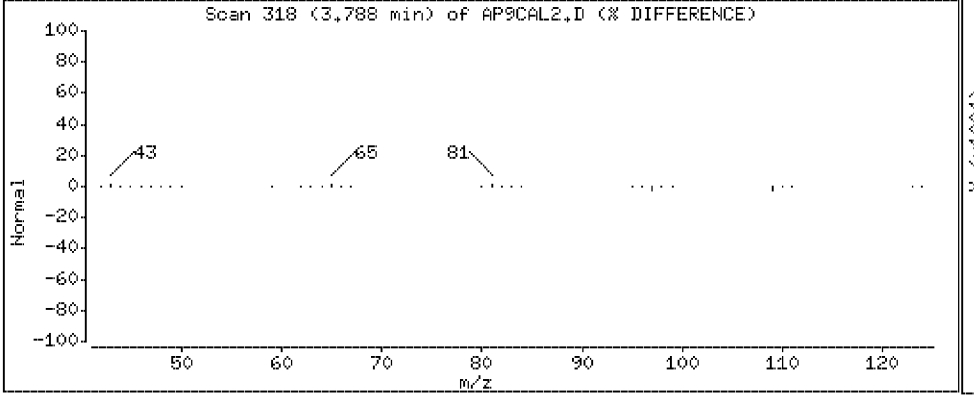












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

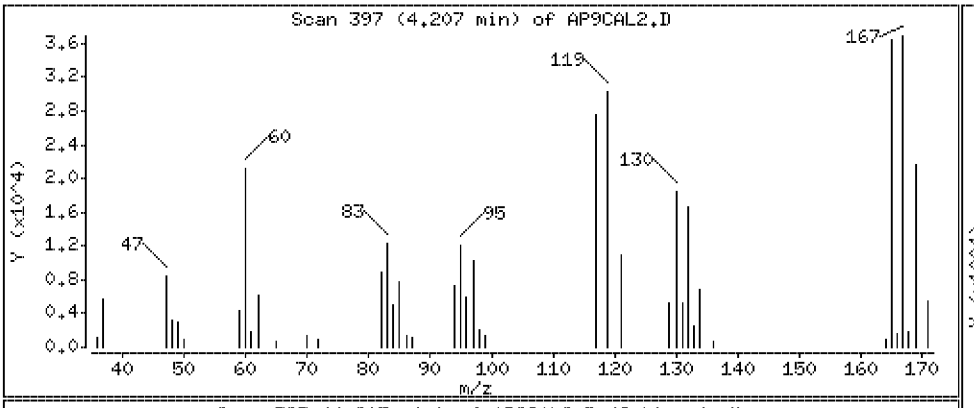
Operator: MJ

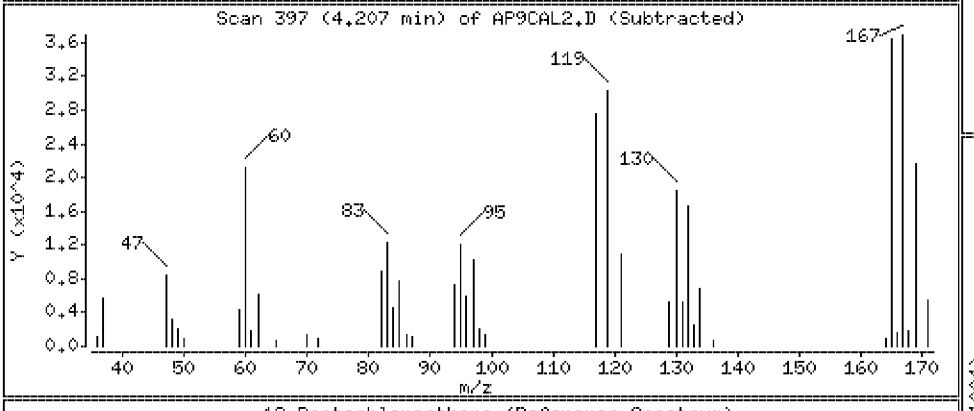
Column phase: HPMS-5

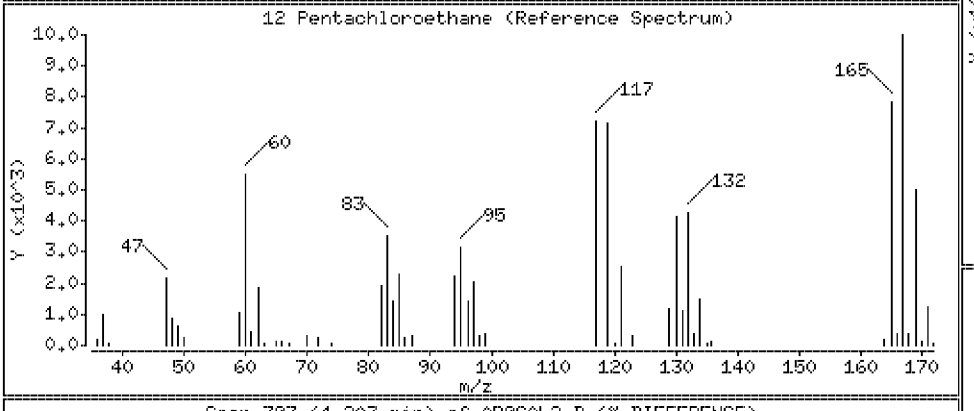
Column diameter: 0.25

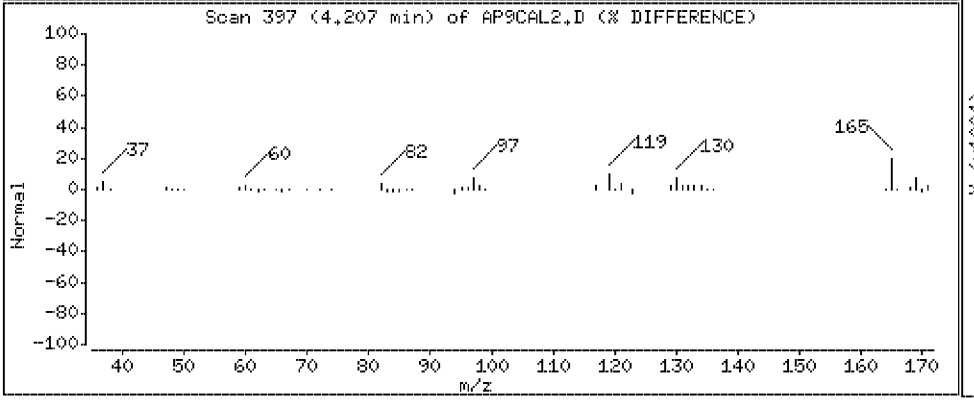
12 Pentachloroethane

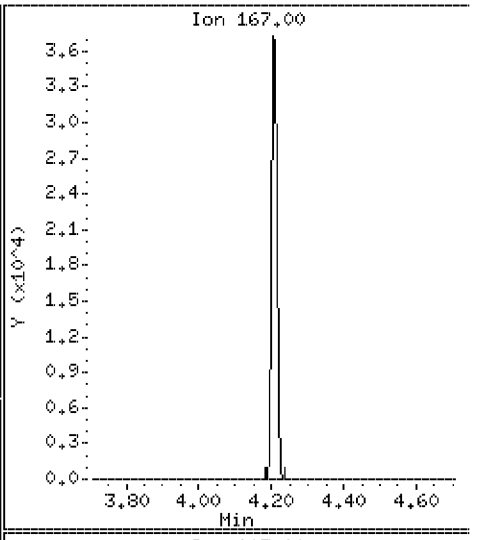
Concentration: 8.9 ug/l

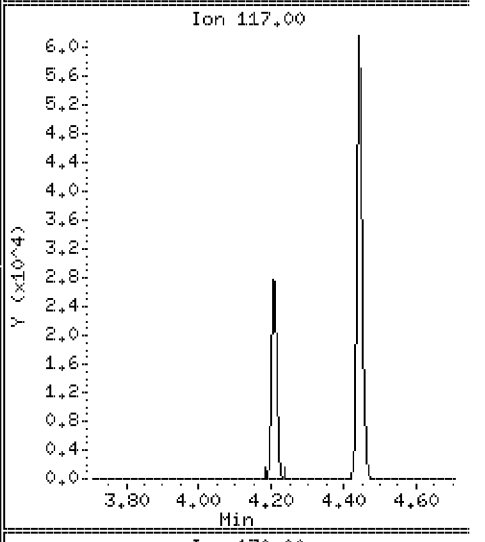


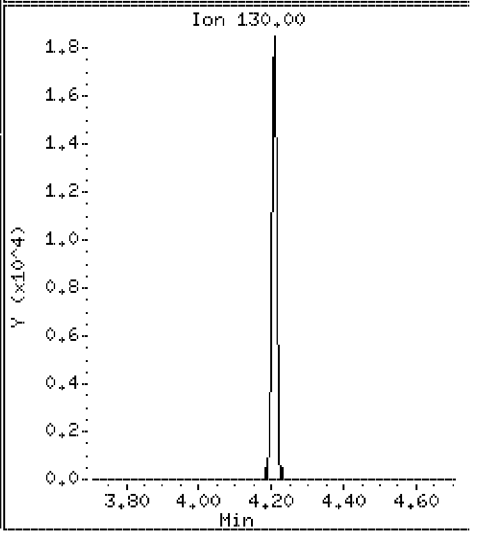












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

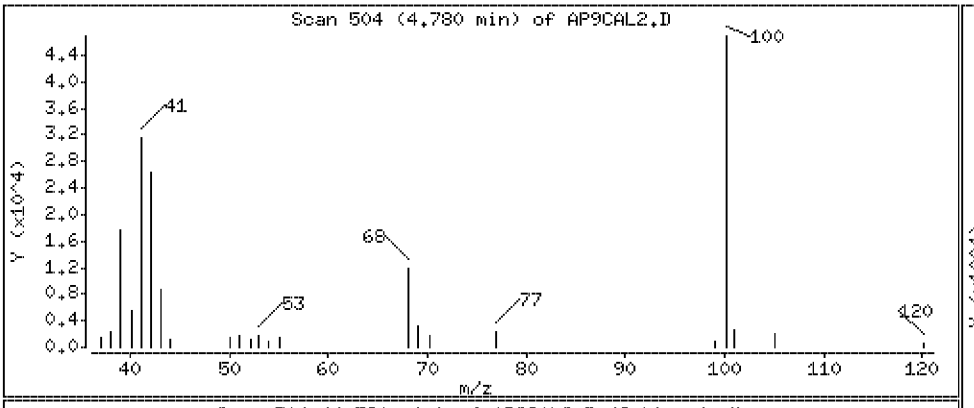
Operator: MJ

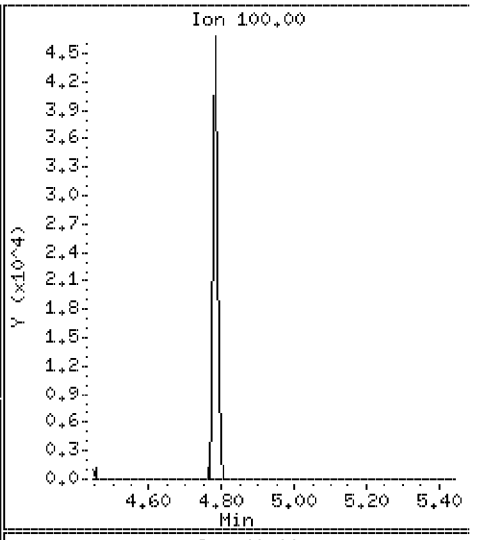
Column phase: HPMS-5

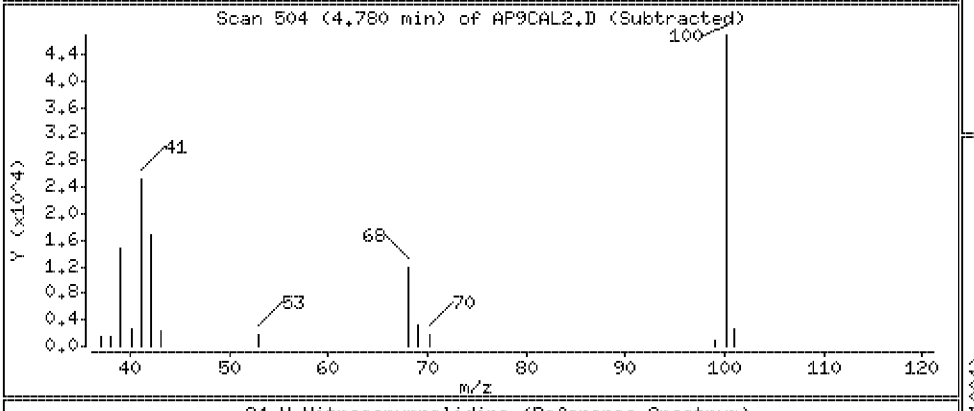
Column diameter: 0.25

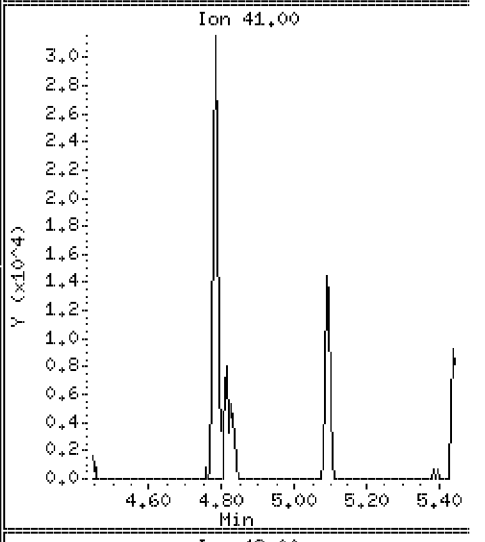
24 N-Nitrosopyrrolidine

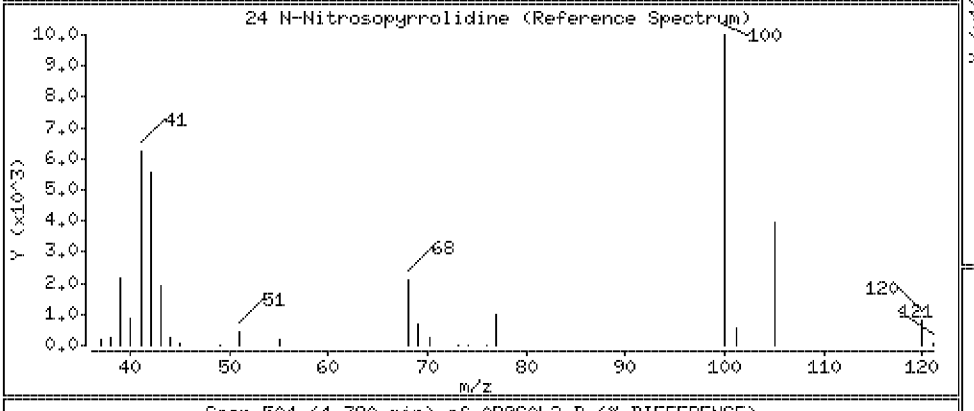
Concentration: 8.9 ug/l

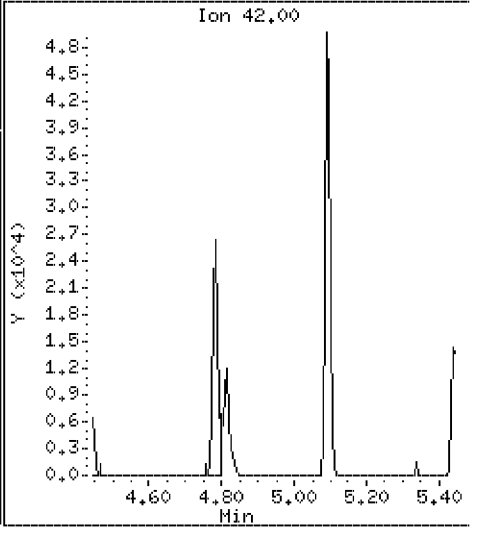


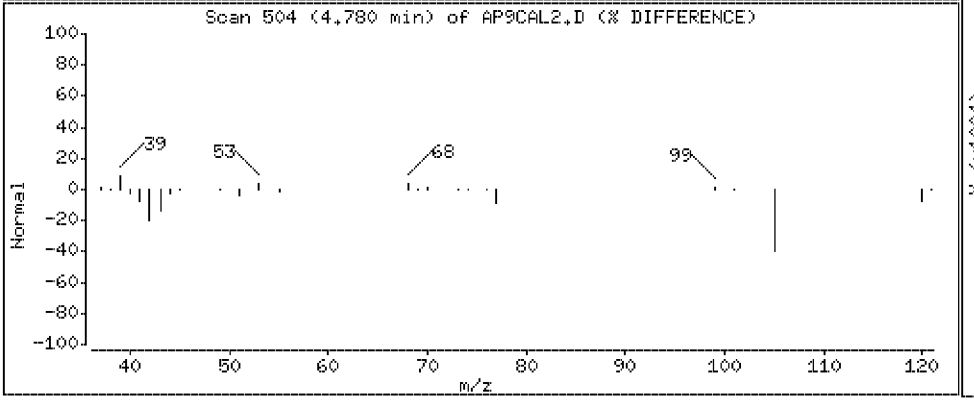












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

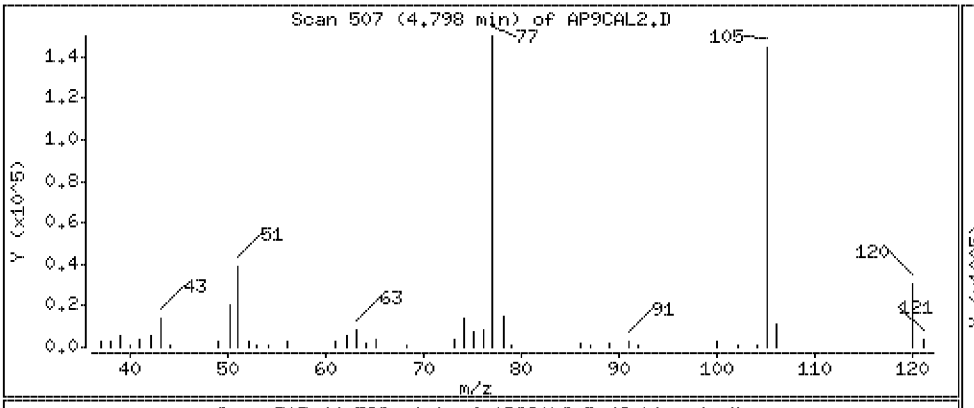
Operator: MJ

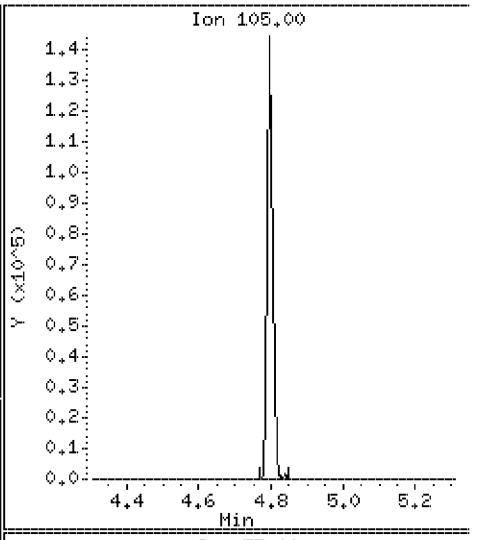
Column phase: HPMS-5

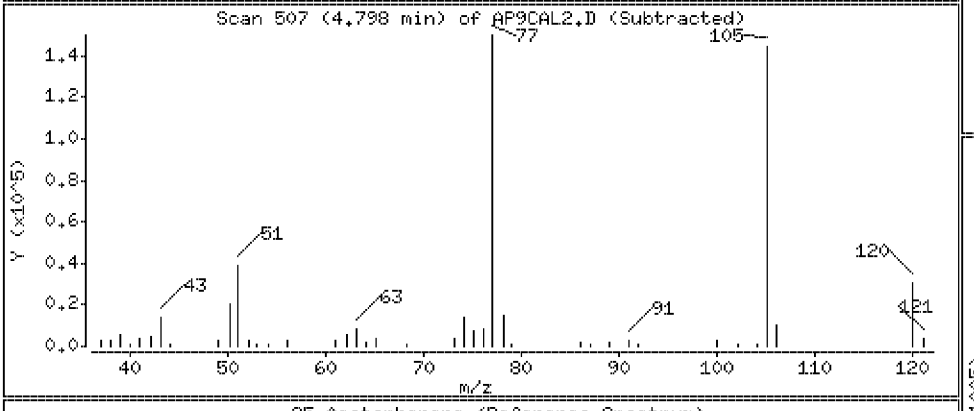
Column diameter: 0.25

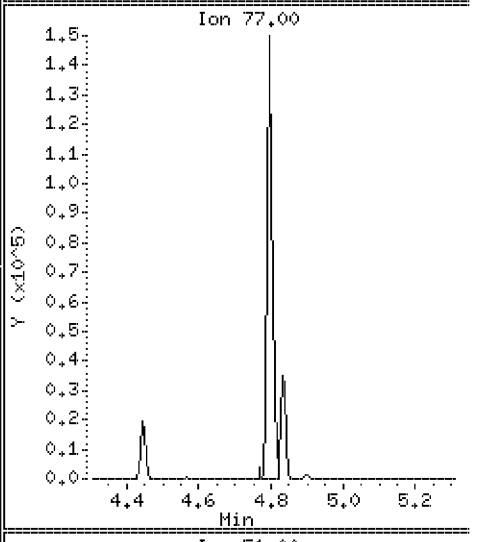
25 Acetophenone

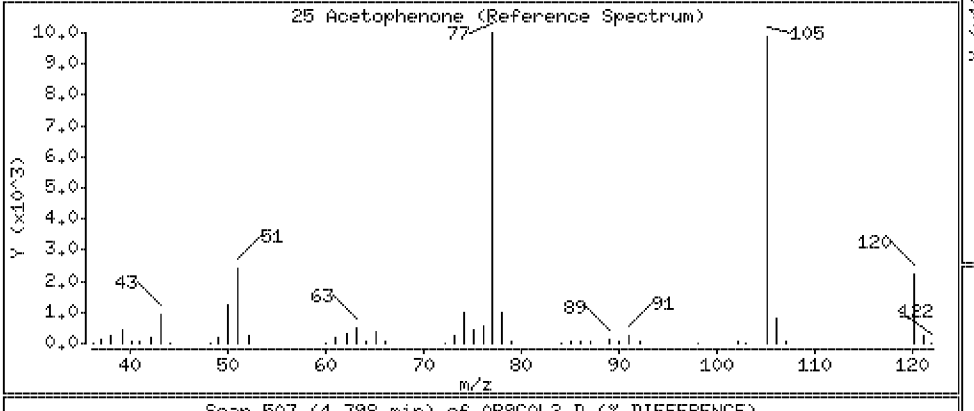
Concentration: 9.6 ug/l

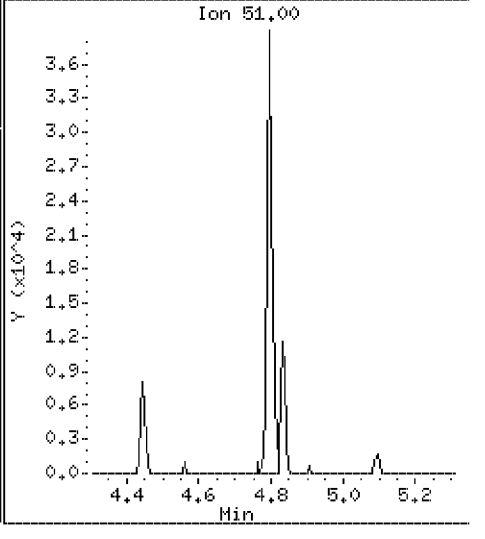


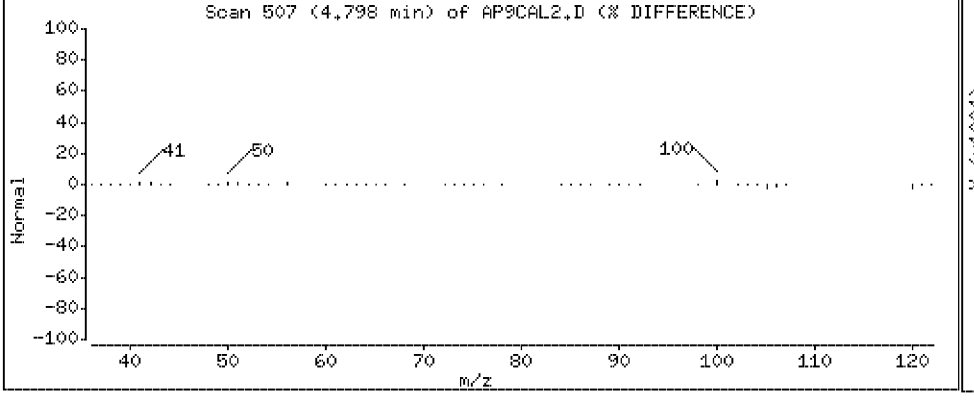












Date : 23-APR-2012 19:04

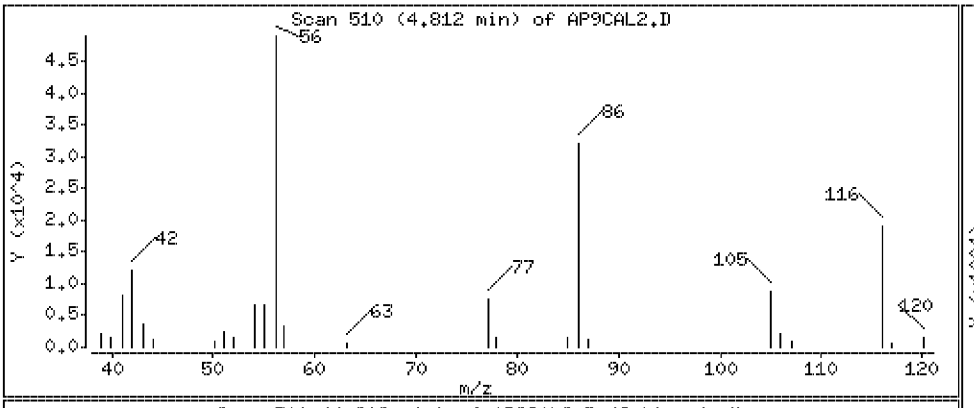
Client ID: AP9CAL2 Instrument: smsd03.i

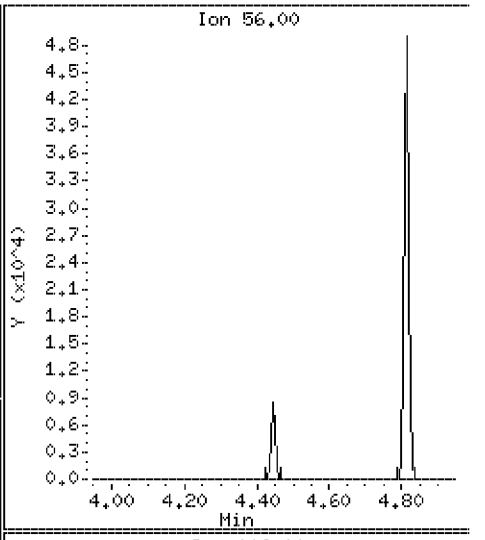
Sample Info: 45960

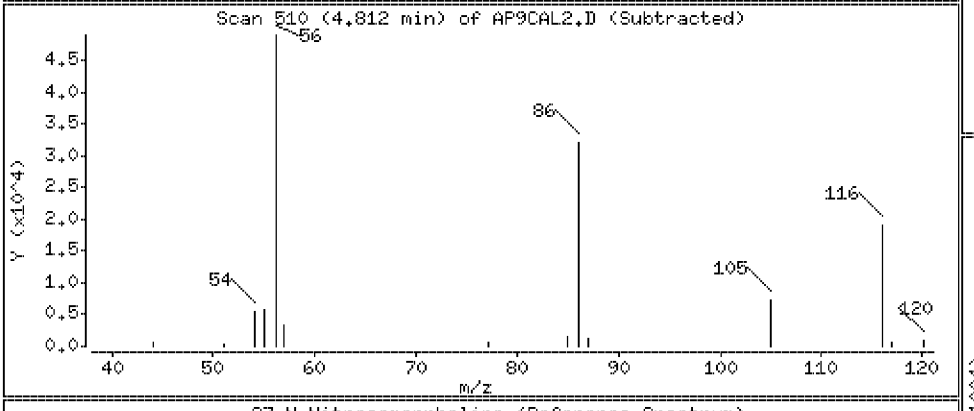
Purge Volume: 1000.0 Operator: MJ

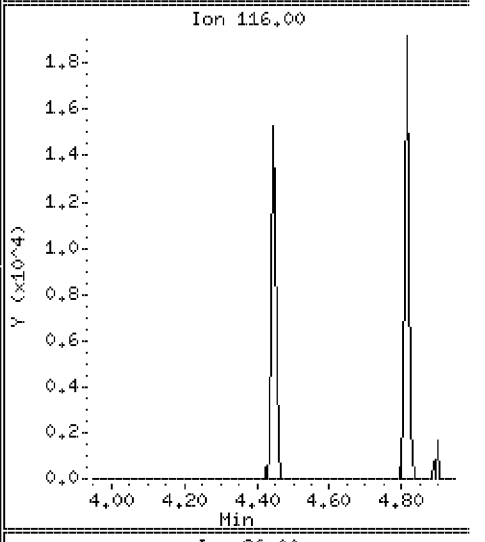
Column phase: HPMS-5 Column diameter: 0.25

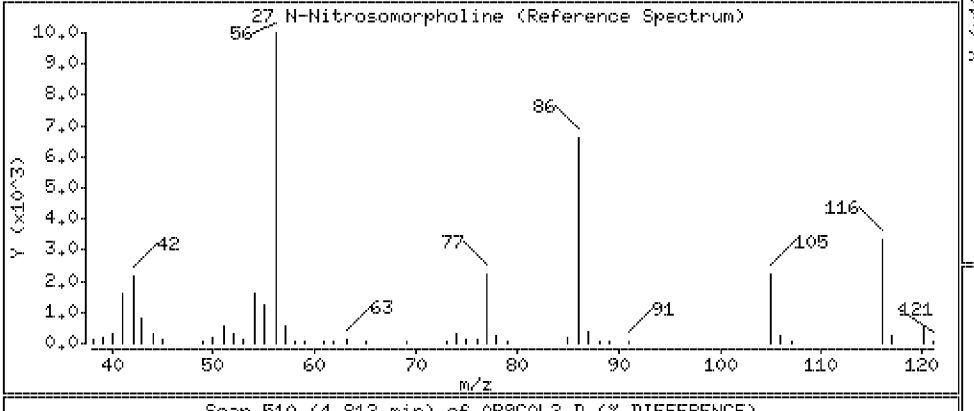
27 N-Nitrosomorpholine Concentration: 9.0 ug/l

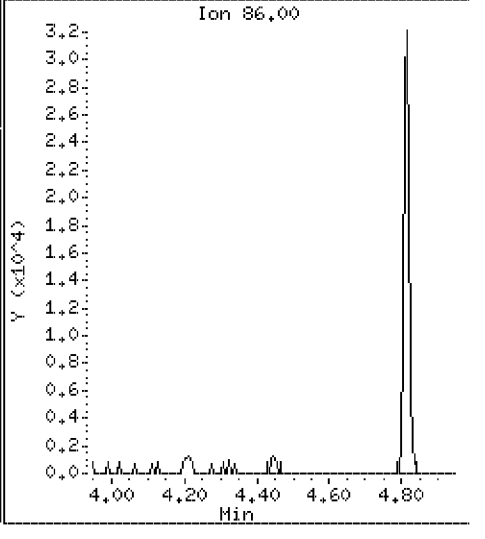


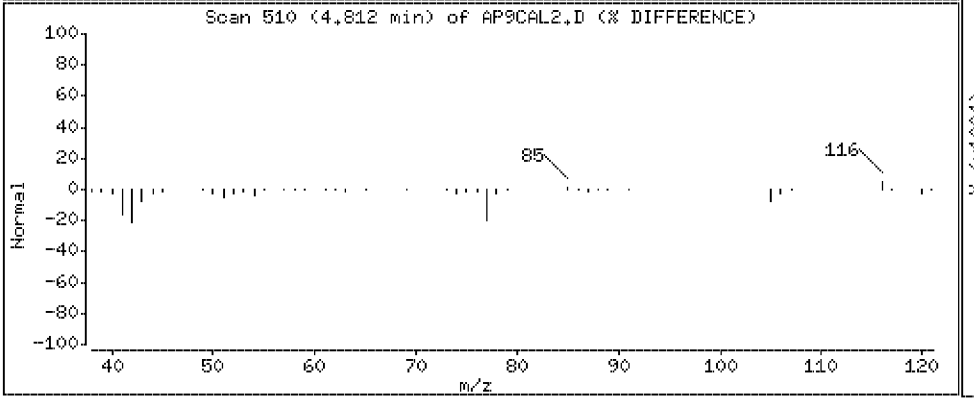












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

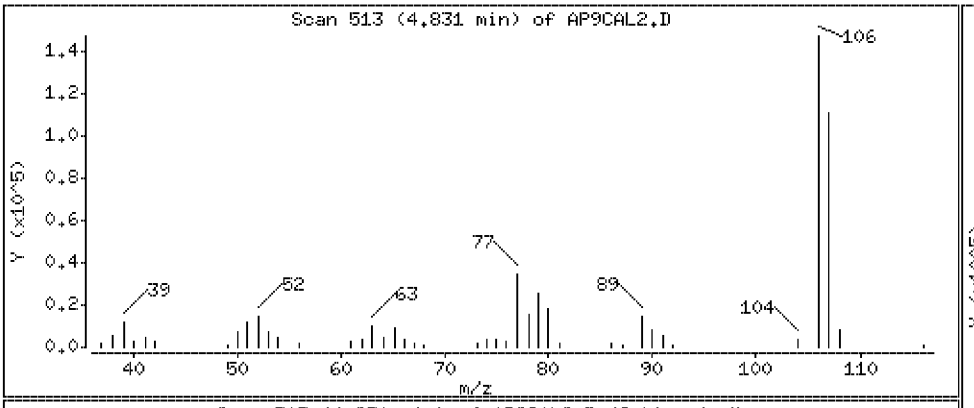
Operator: MJ

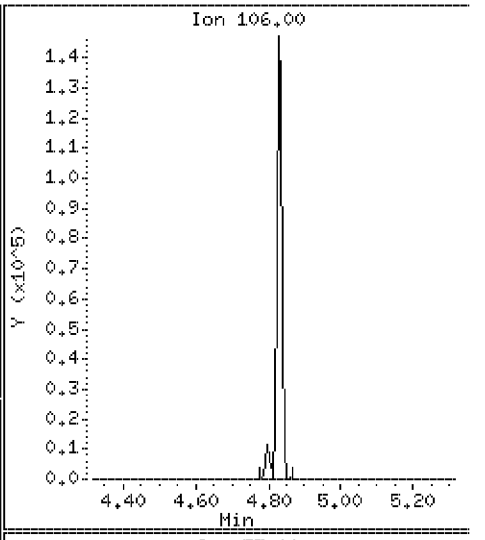
Column phase: HPMS-5

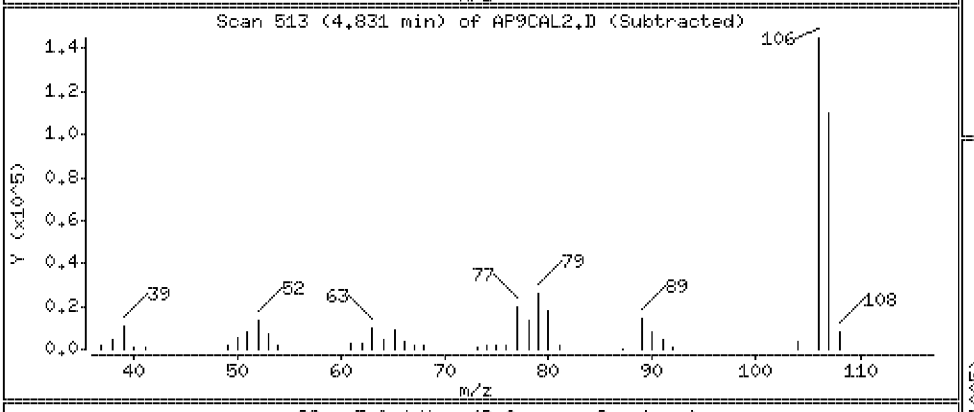
Column diameter: 0.25

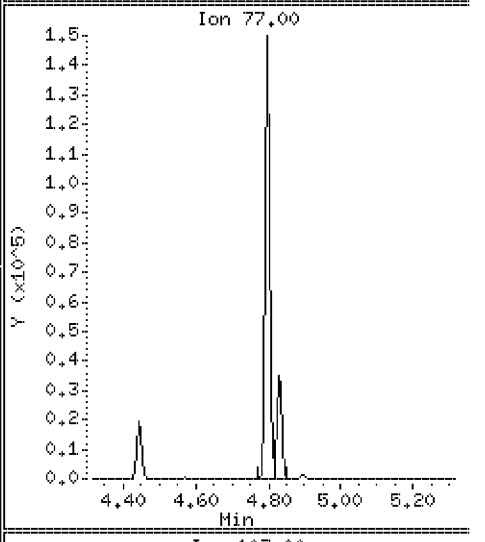
29 o-Toluidine

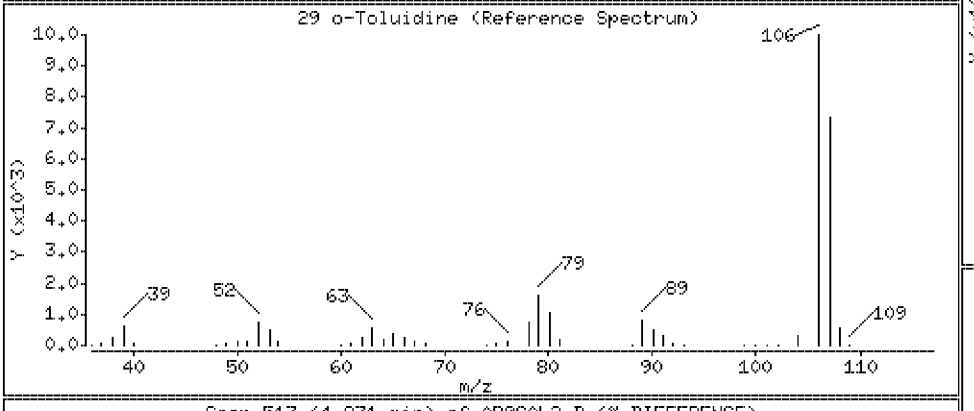
Concentration: 9.0 ug/l

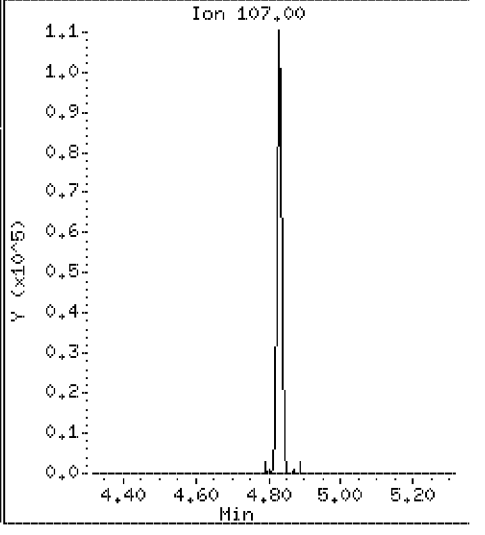


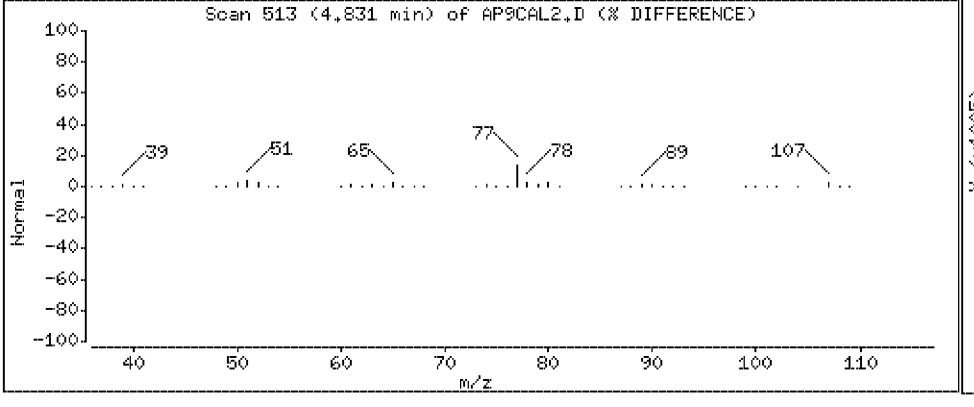












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

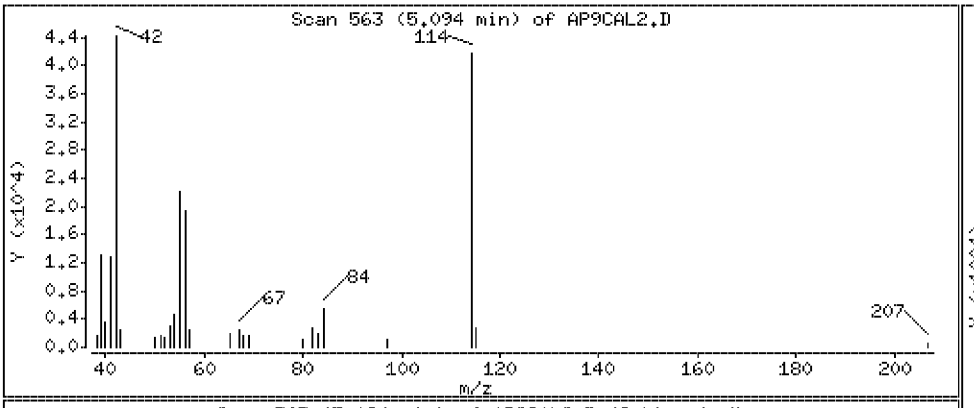
Operator: MJ

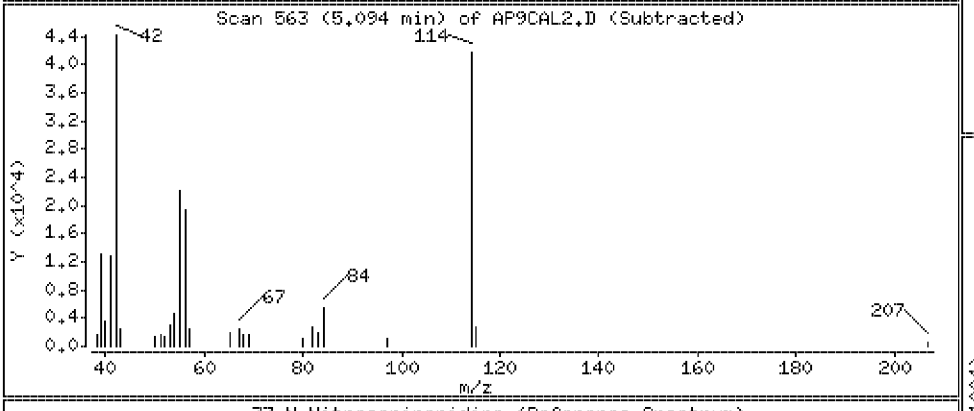
Column phase: HPMS-5

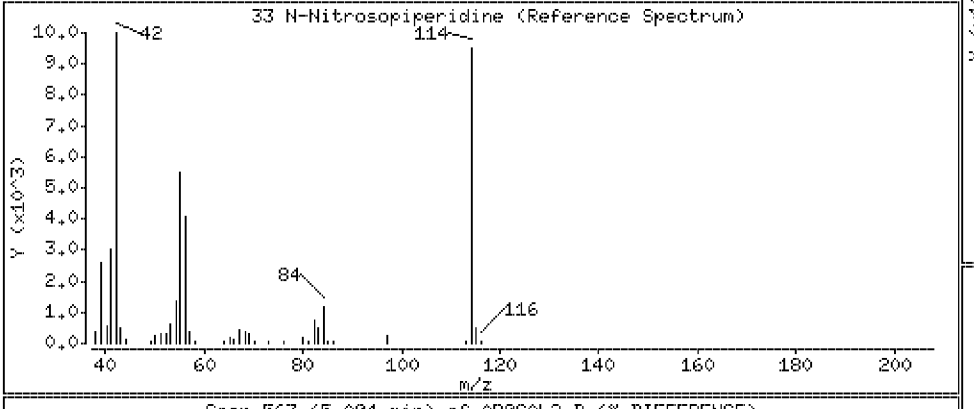
Column diameter: 0.25

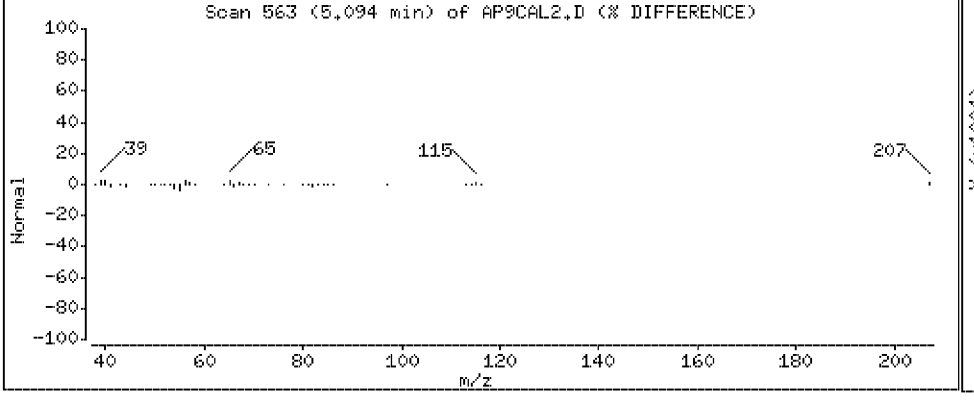
33 N-Nitrosopiperidine

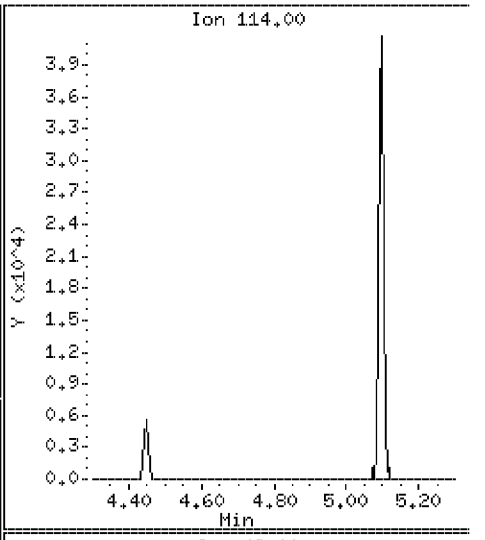
Concentration: 9.4 ug/l

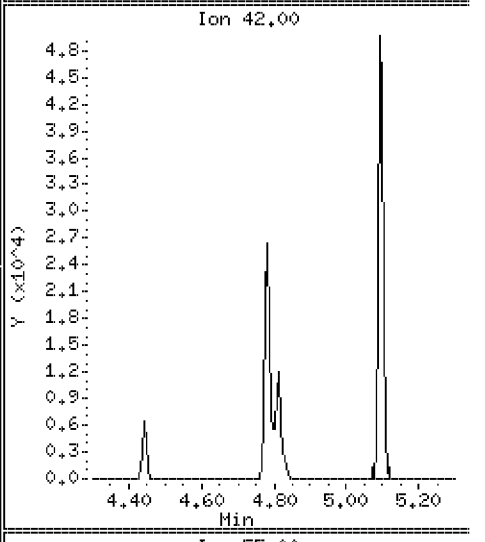


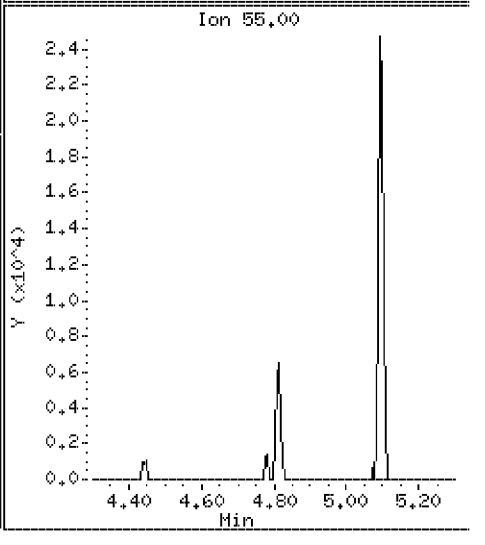












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

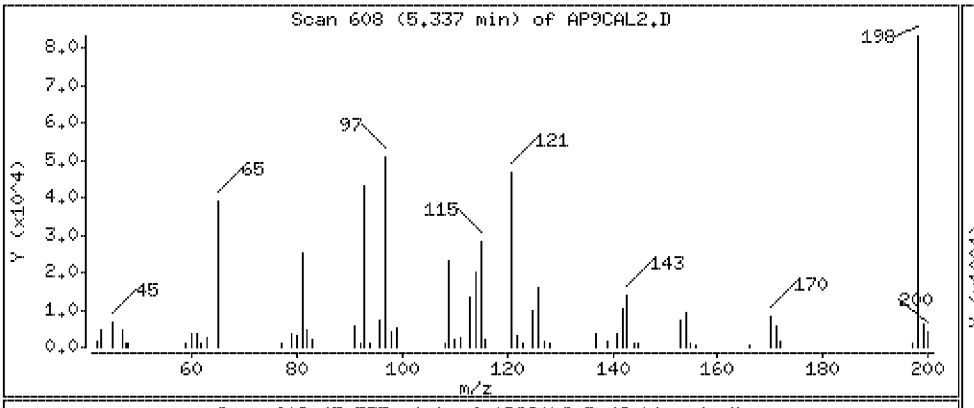
Operator: MJ

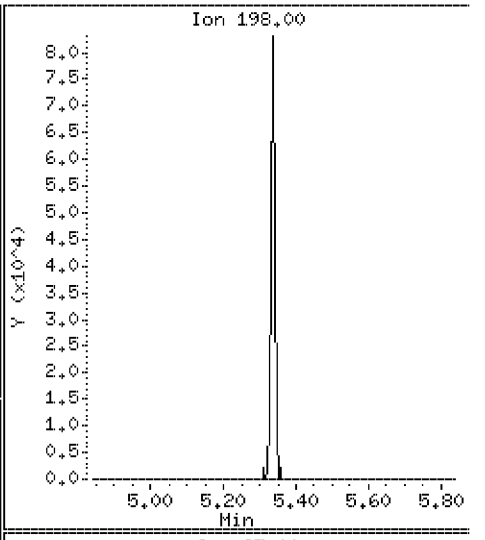
Column phase: HPMS-5

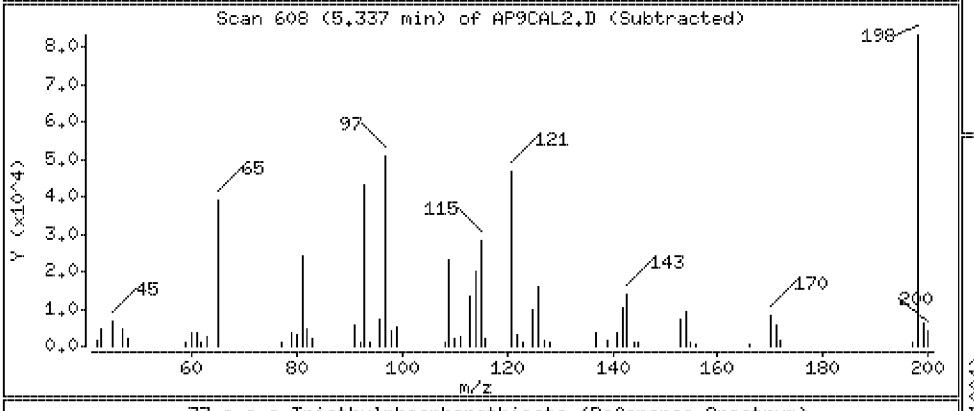
Column diameter: 0.25

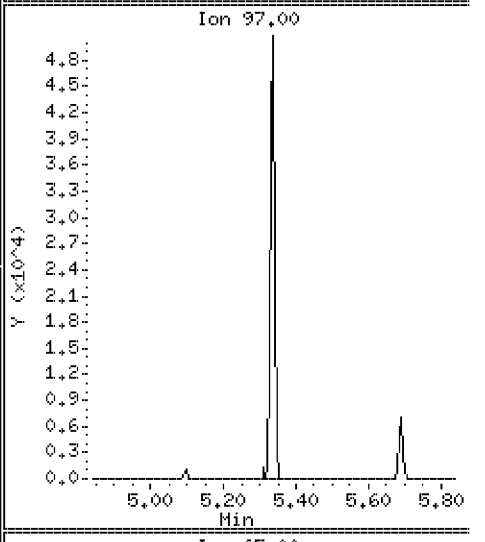
37 o,o,o-Triethylphosphorothioate

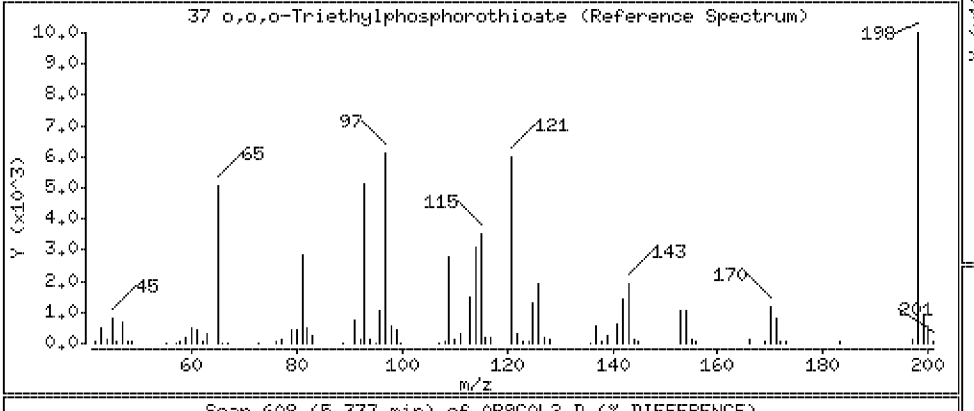
Concentration: 8.8 ug/l

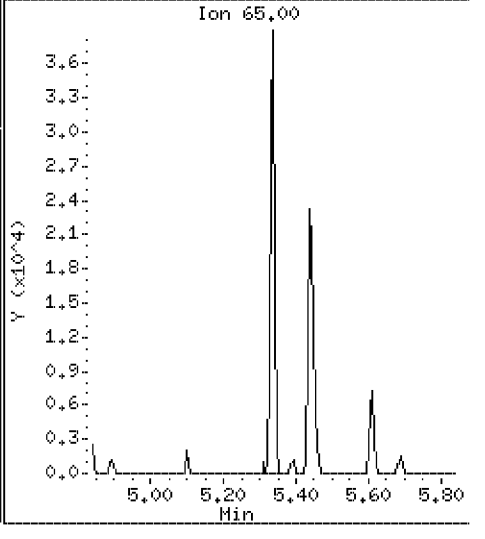


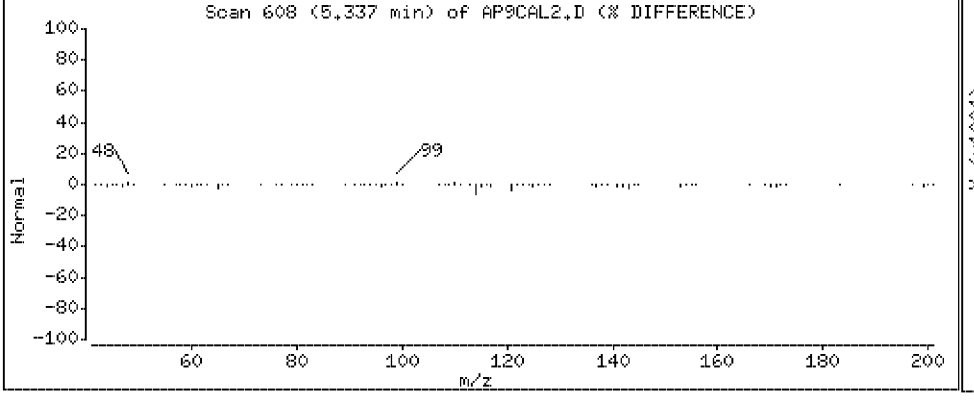












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

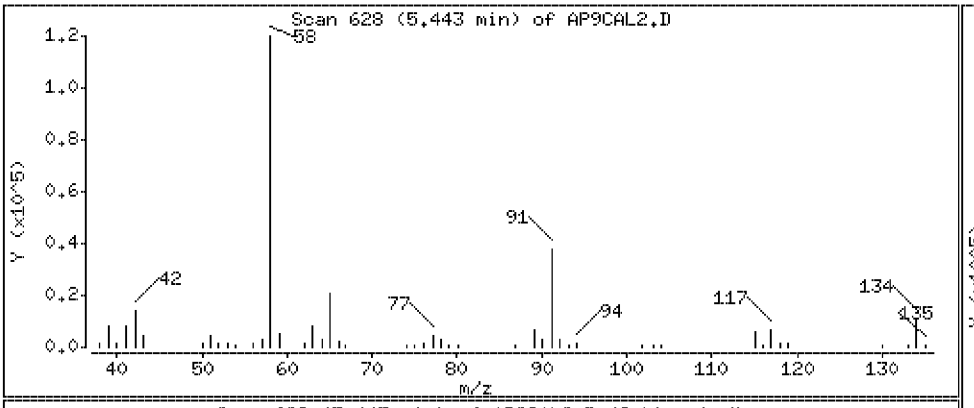
Operator: MJ

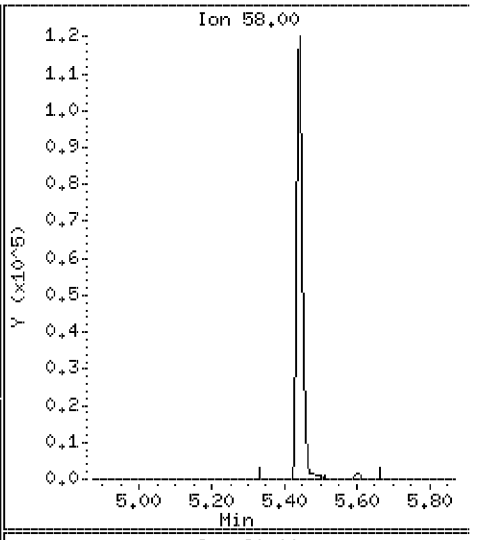
Column phase: HPMS-5

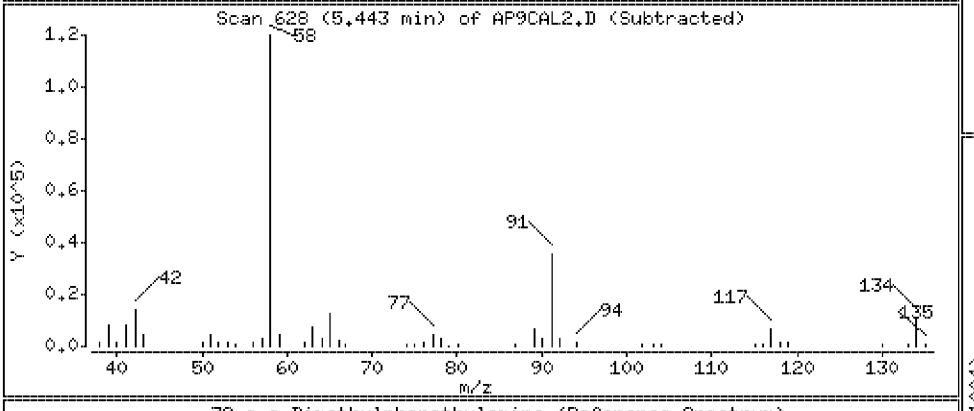
Column diameter: 0.25

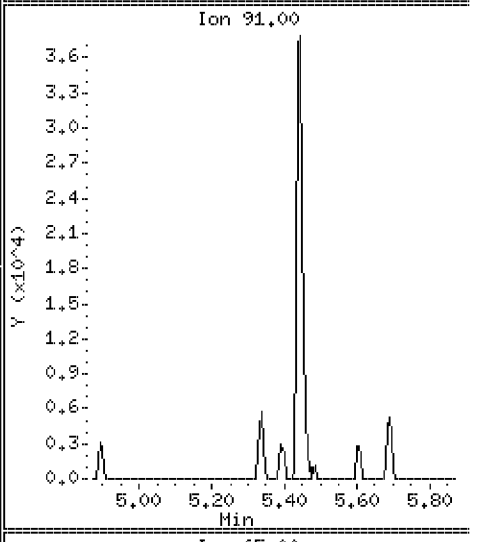
39 a,a-Dimethylphenethylamine

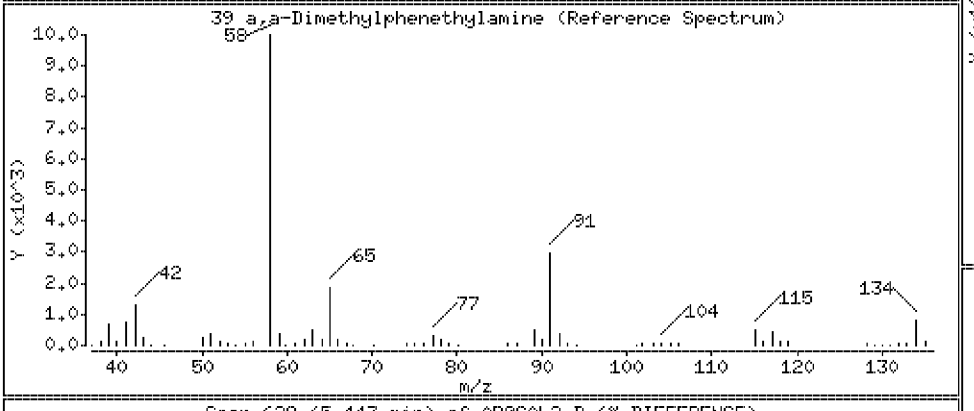
Concentration: 9.4 ug/l

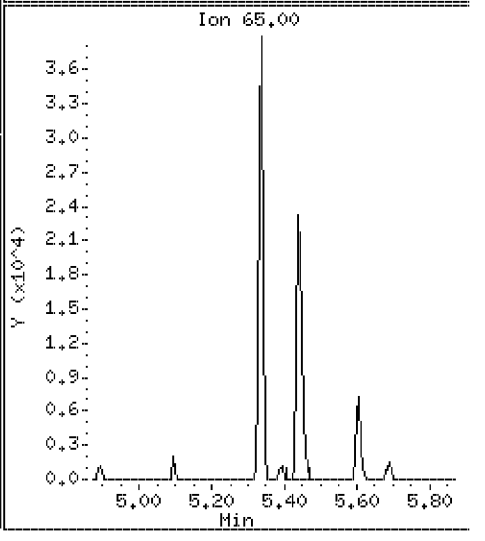


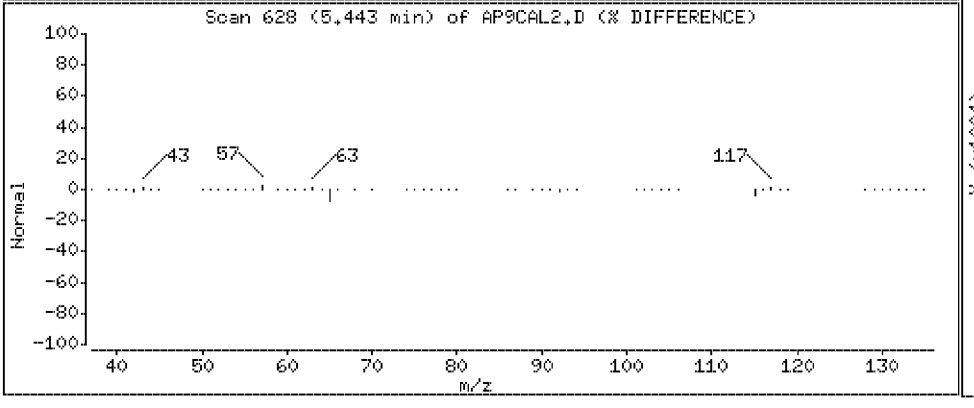












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

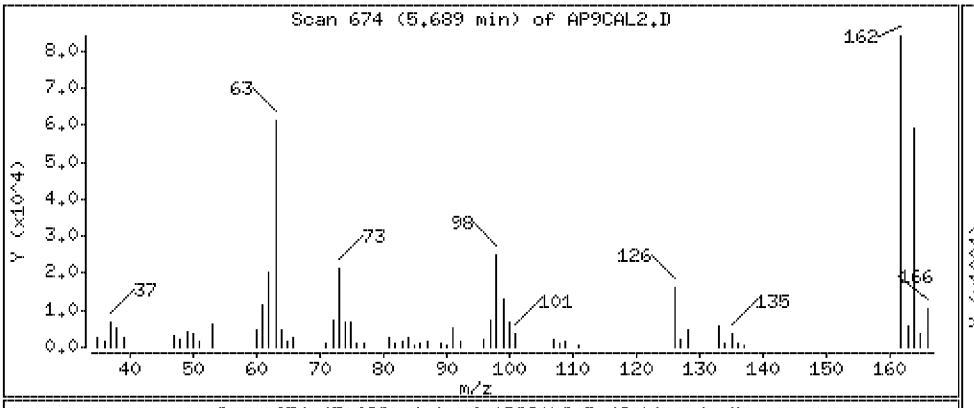
Operator: MJ

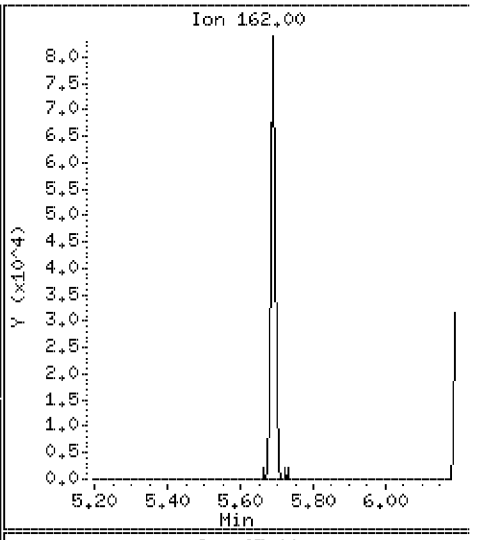
Column phase: HPMS-5

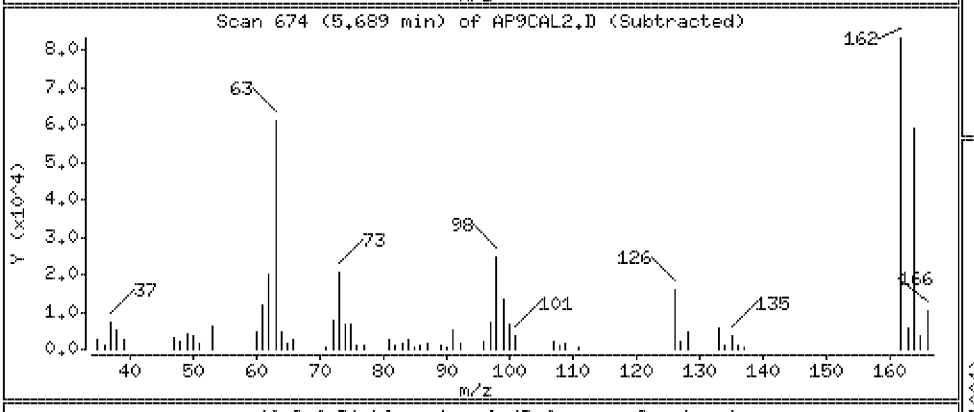
Column diameter: 0.25

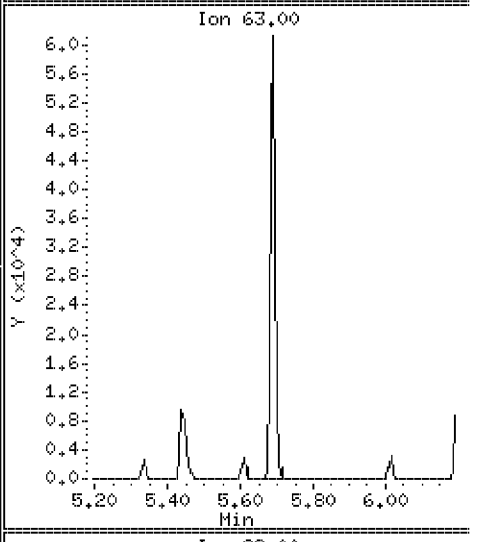
46 2,6-Dichlorophenol

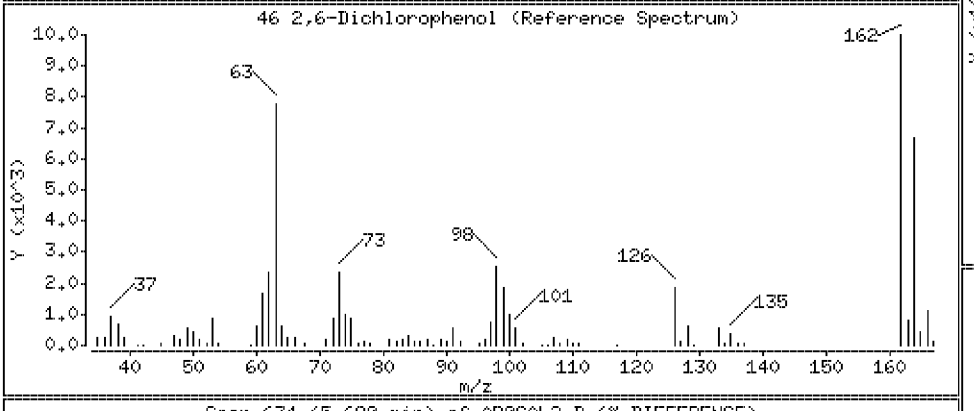
Concentration: 8.9 ug/l

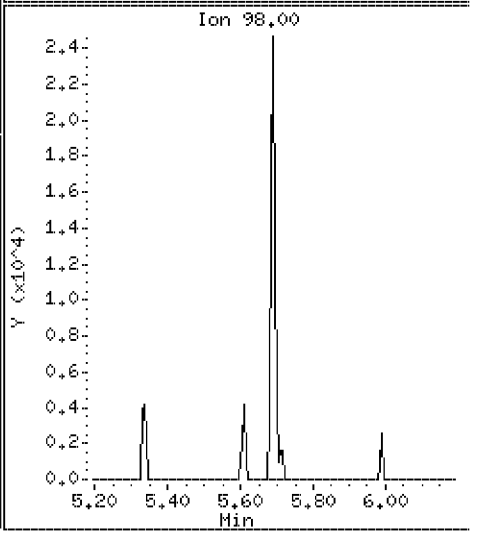


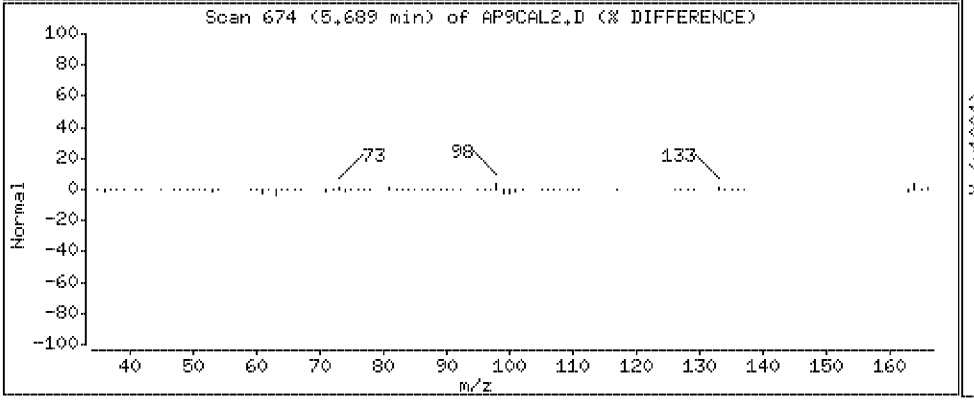












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

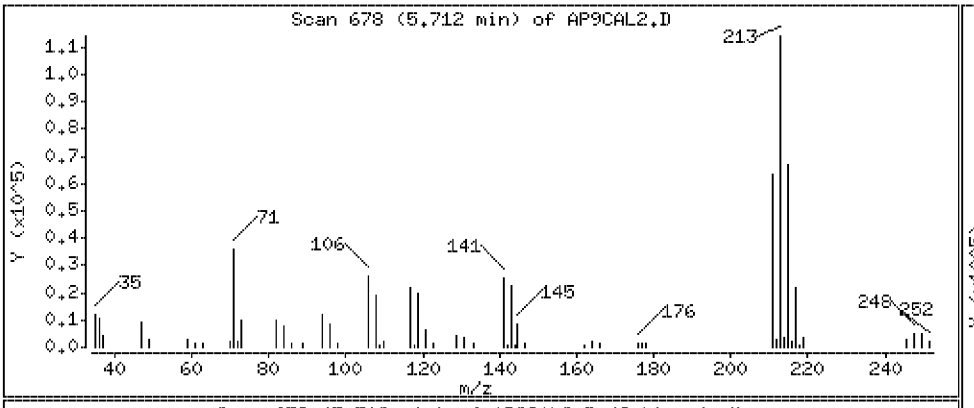
Operator: MJ

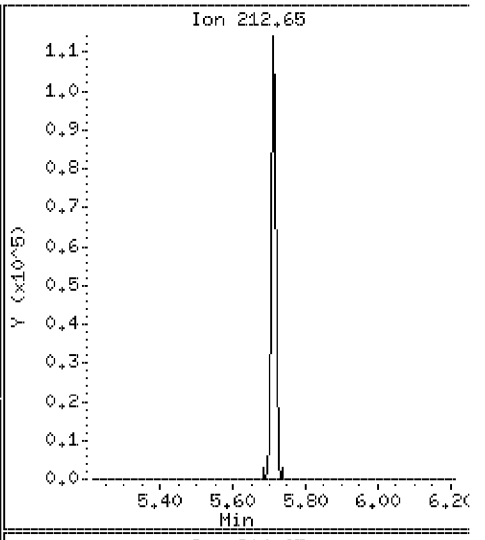
Column phase: HPMS-5

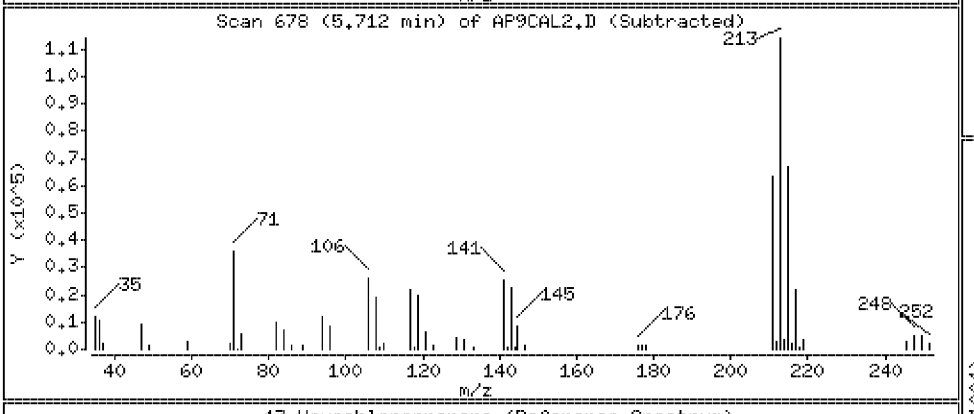
Column diameter: 0.25

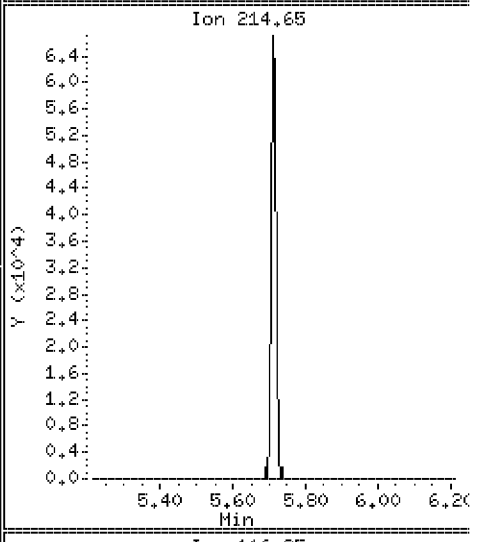
47 Hexachloropropene

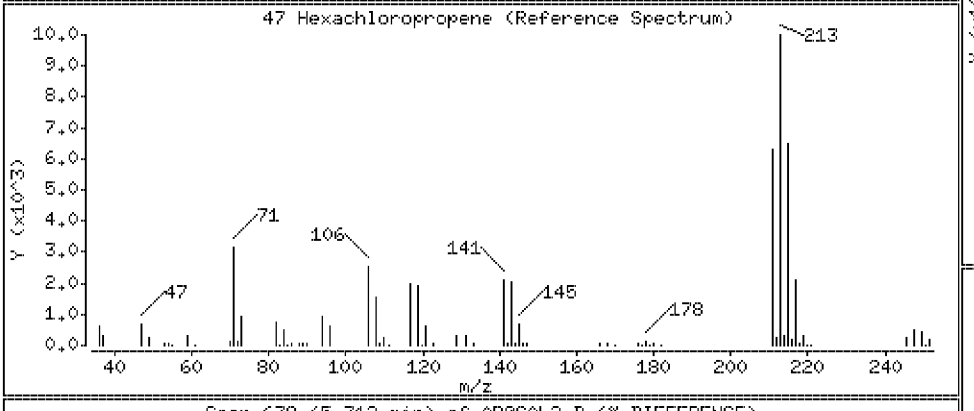
Concentration: 9.5 ug/l

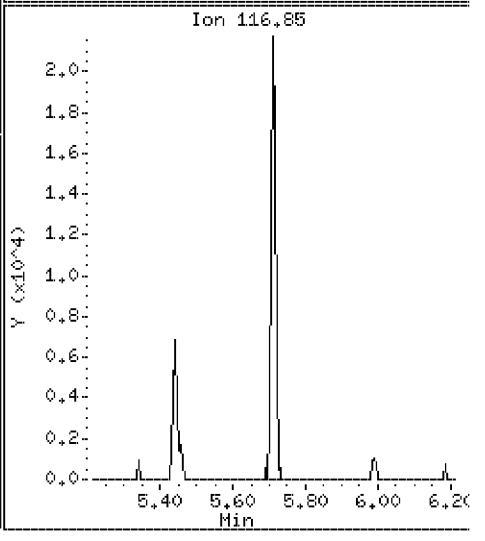


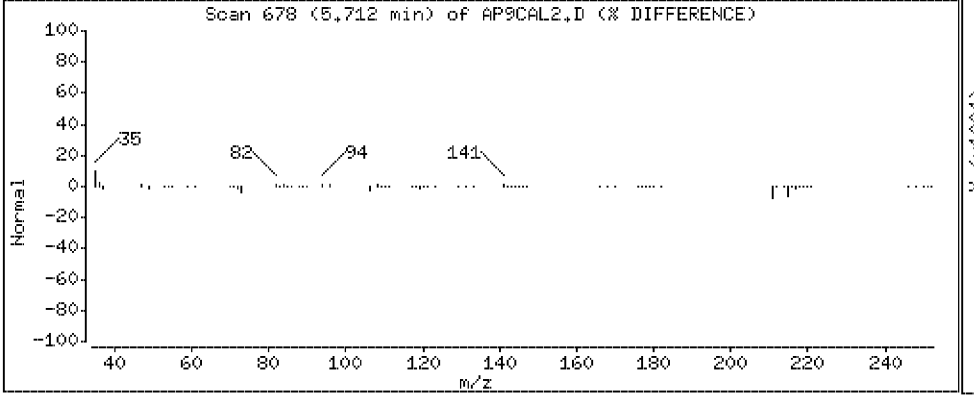












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

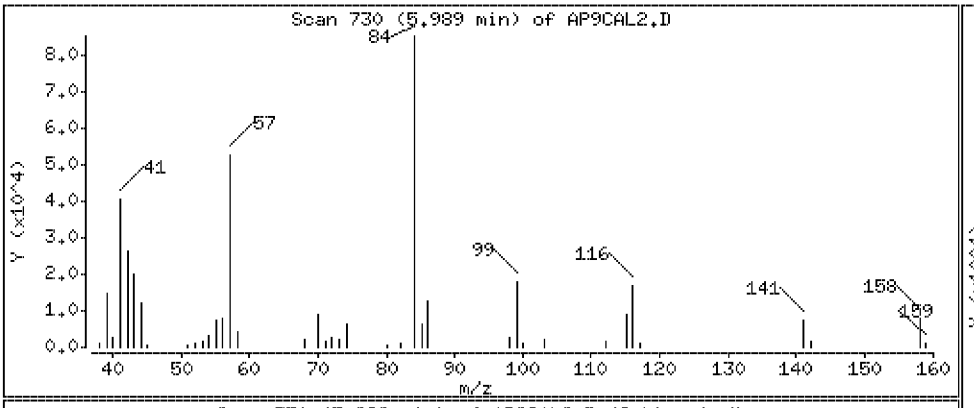
Operator: MJ

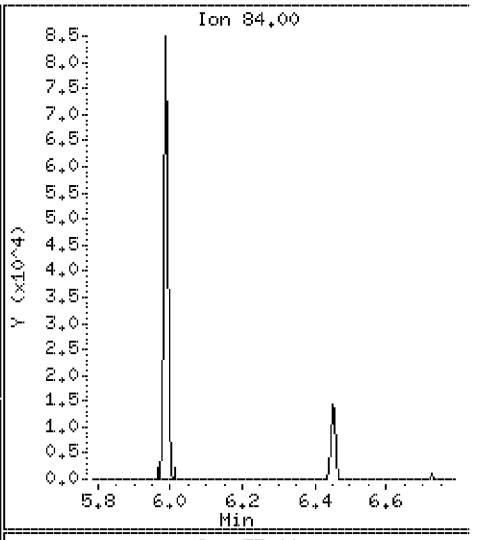
Column phase: HPMS-5

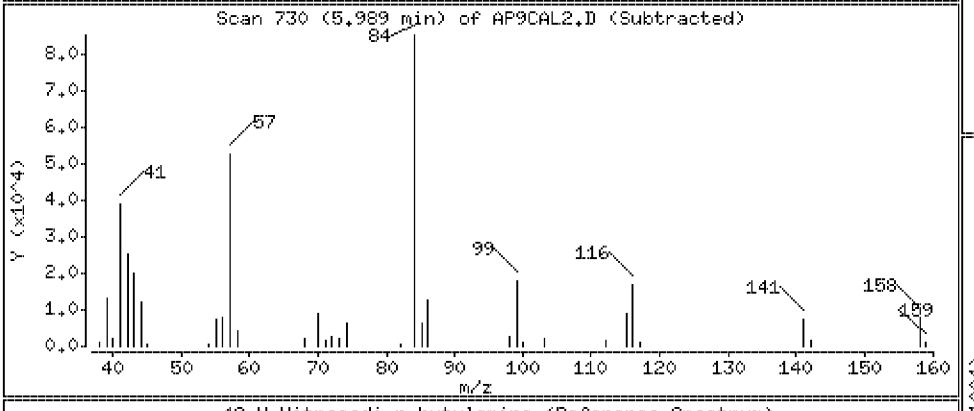
Column diameter: 0.25

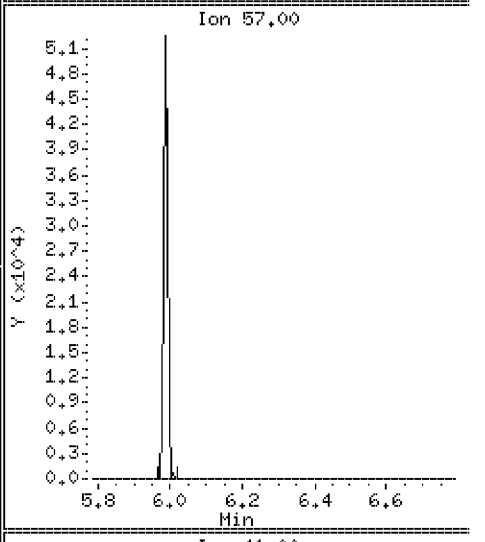
49 N-Nitrosodi-n-butylamine

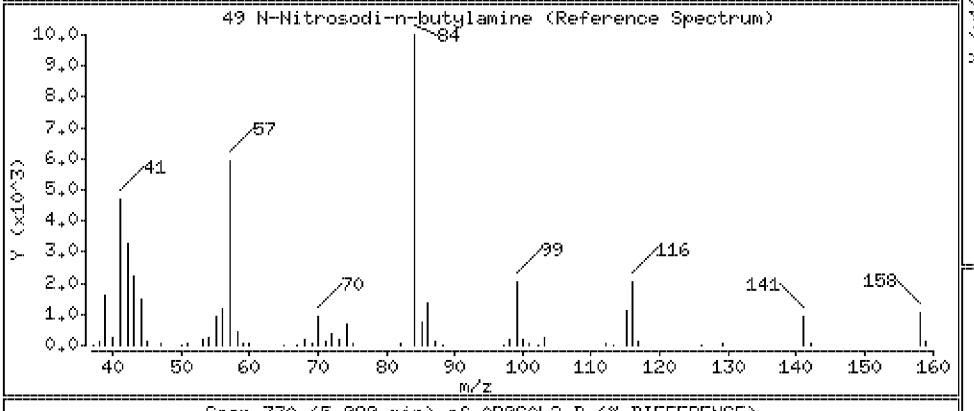
Concentration: 8.6 ug/l

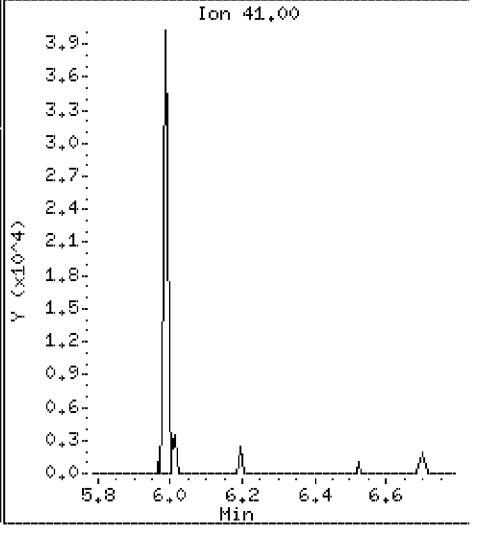


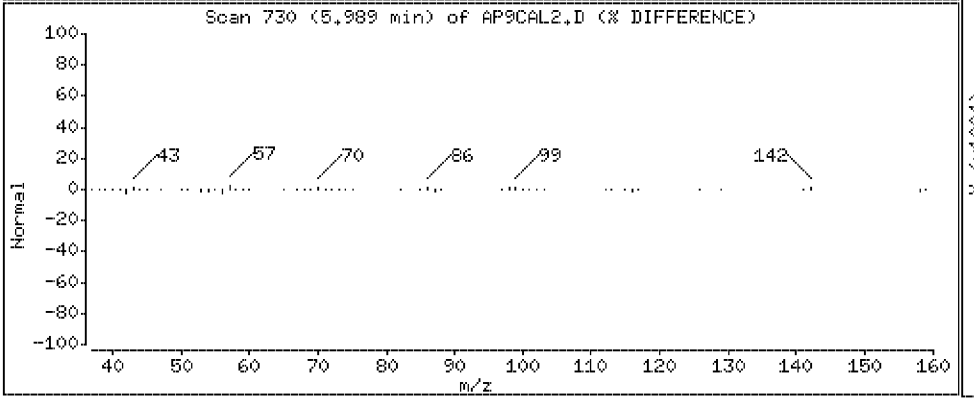












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

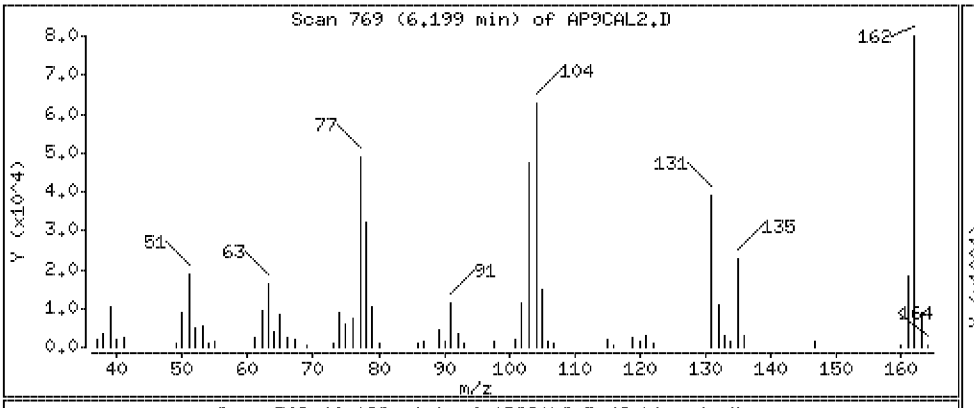
Operator: MJ

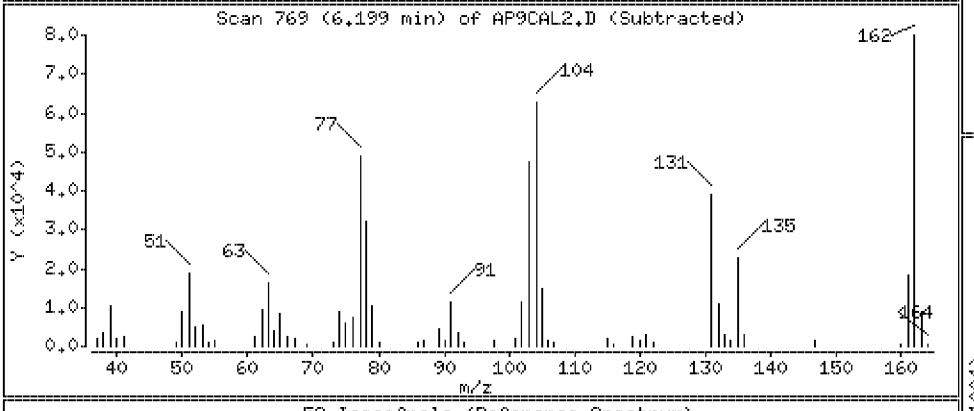
Column phase: HPMS-5

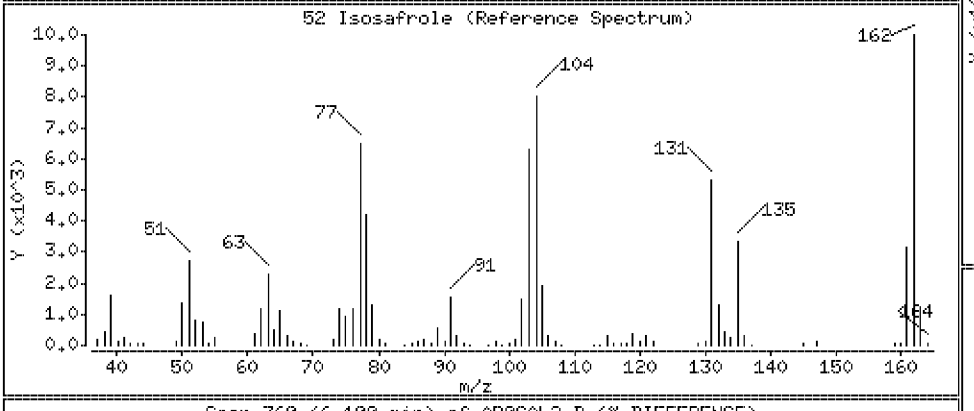
Column diameter: 0.25

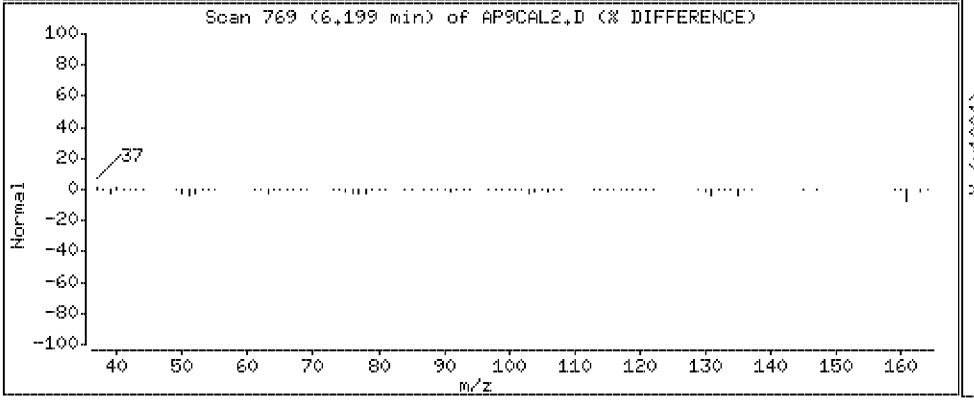
52 Isosafrole

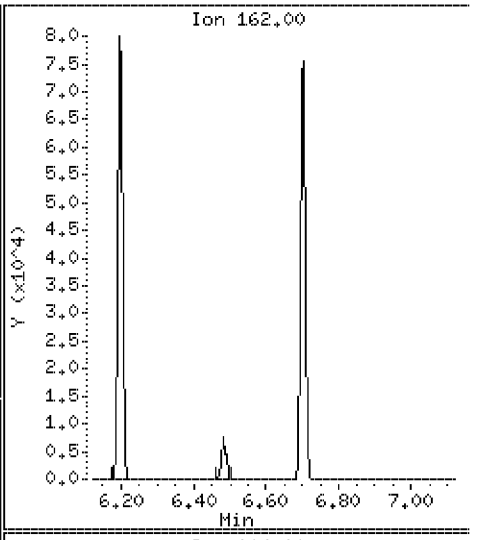
Concentration: 9.4 ug/l

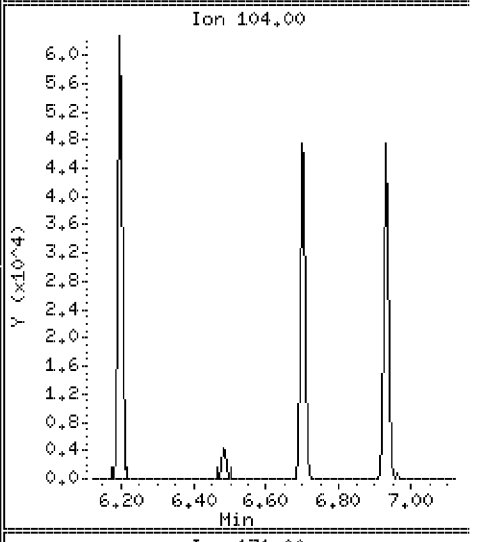


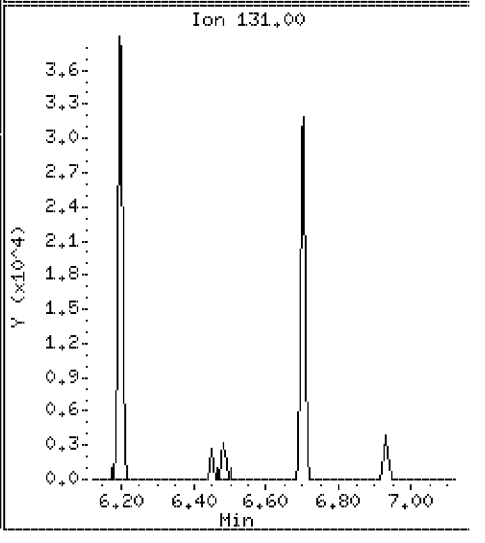












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

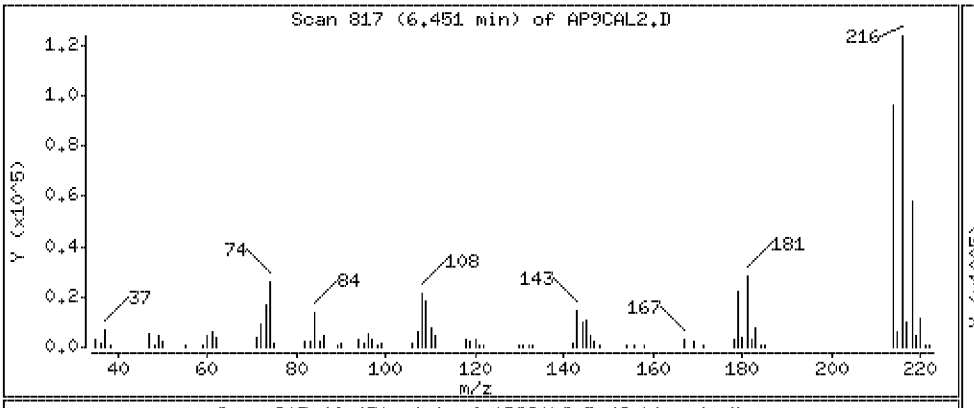
Operator: MJ

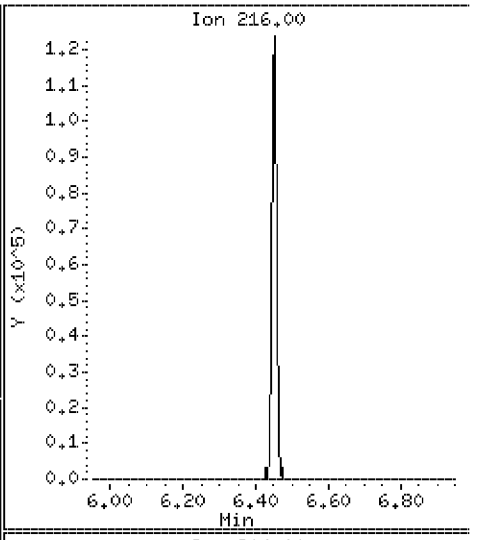
Column phase: HPMS-5

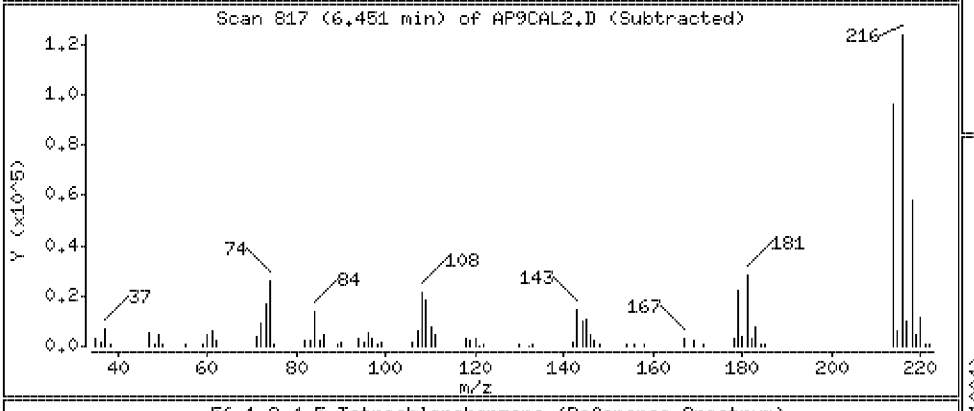
Column diameter: 0.25

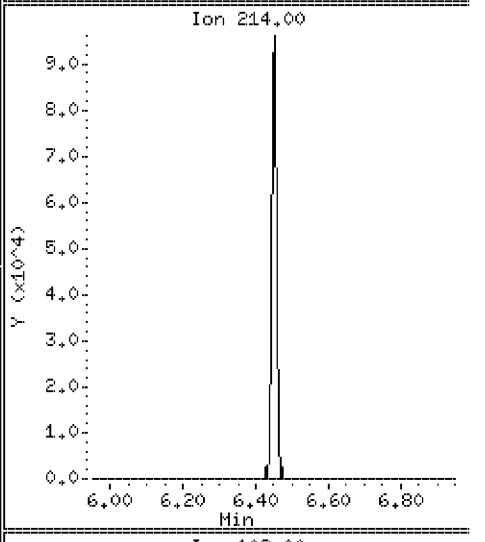
56 1,2,4,5-Tetrachlorobenzene

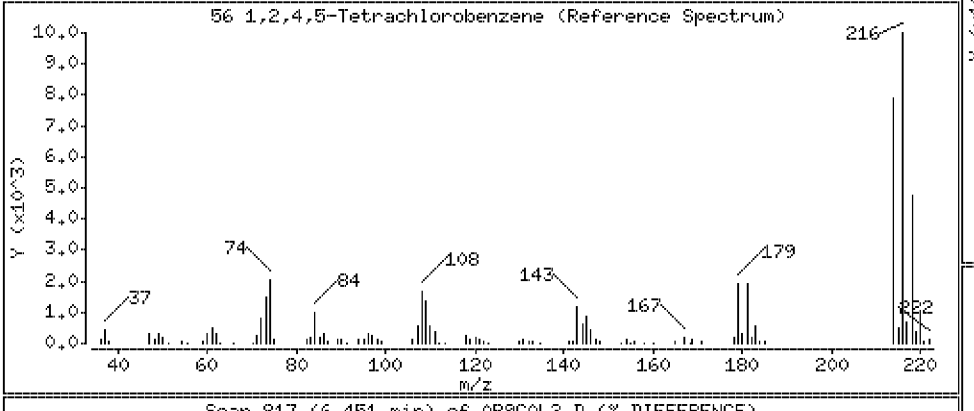
Concentration: 9.0 ug/l

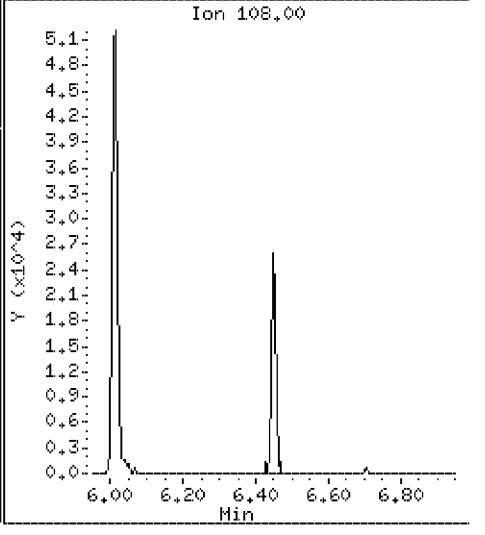


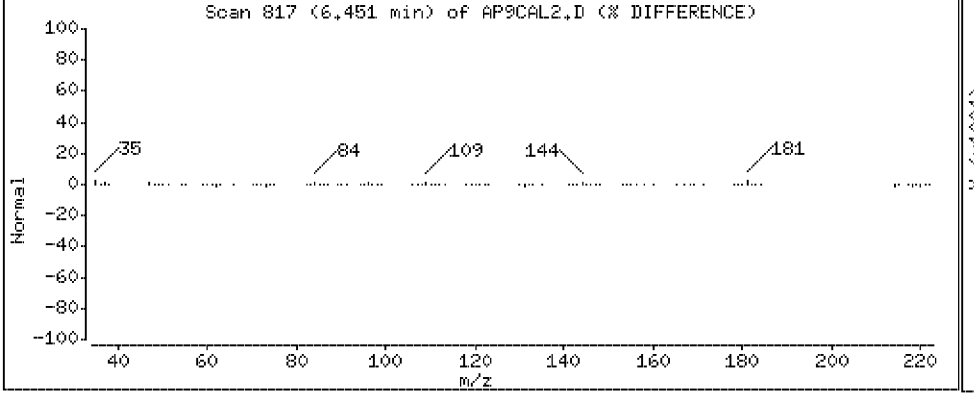












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

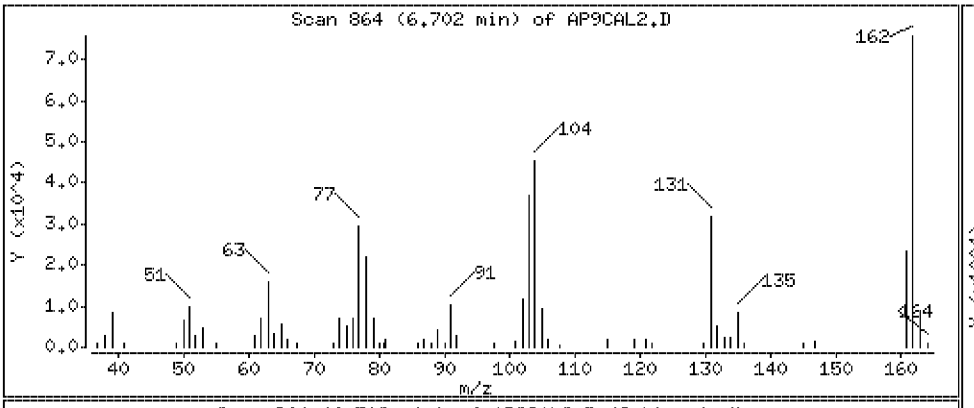
Operator: MJ

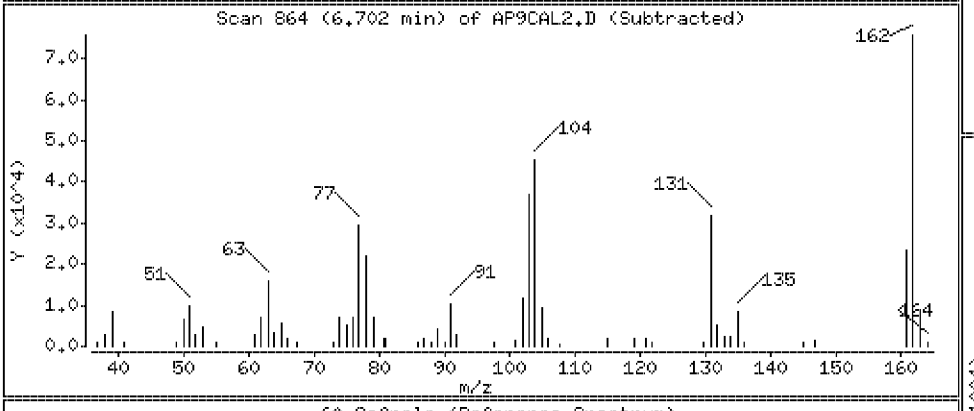
Column phase: HPMS-5

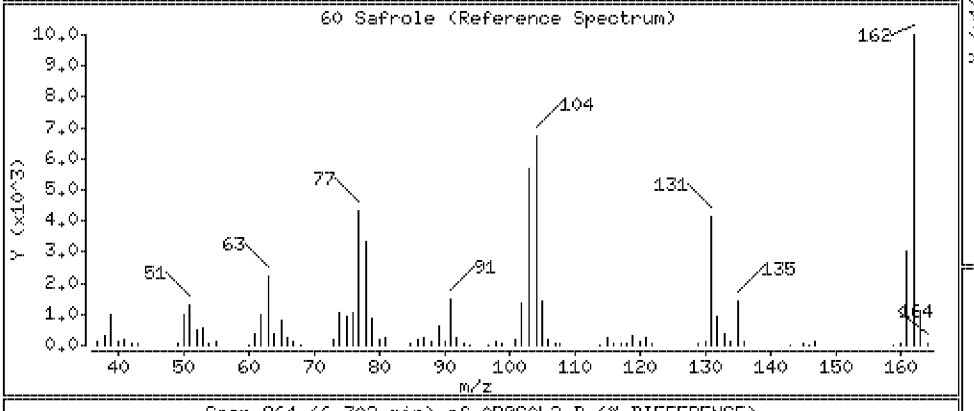
Column diameter: 0.25

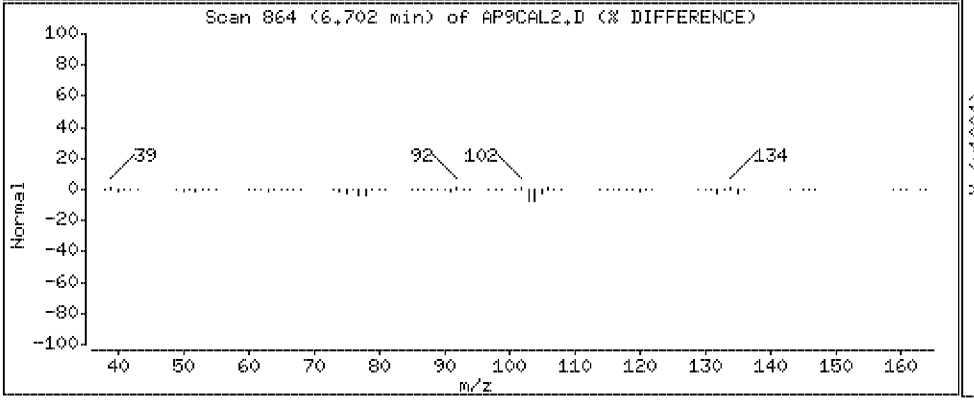
60 Safrole

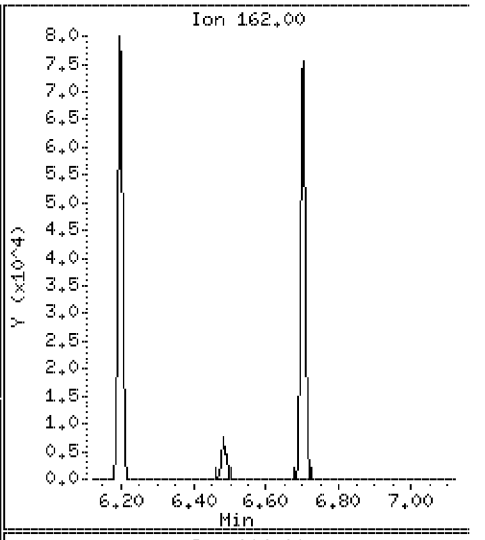
Concentration: 9.6 ug/l

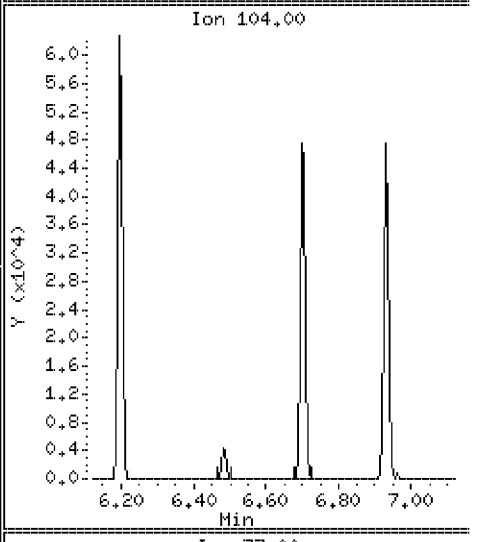


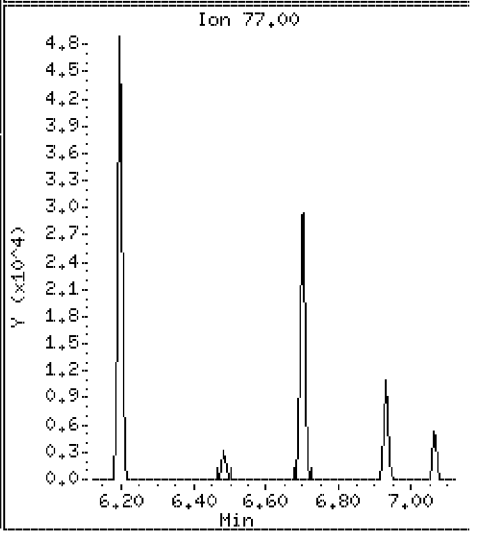












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

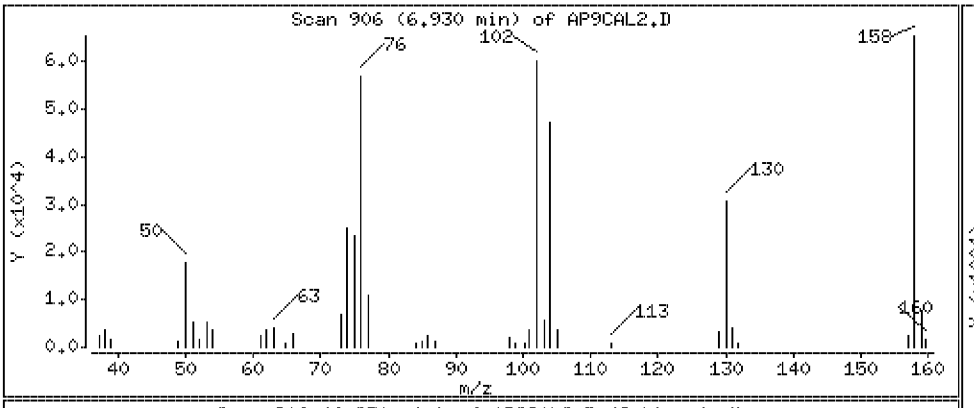
Operator: MJ

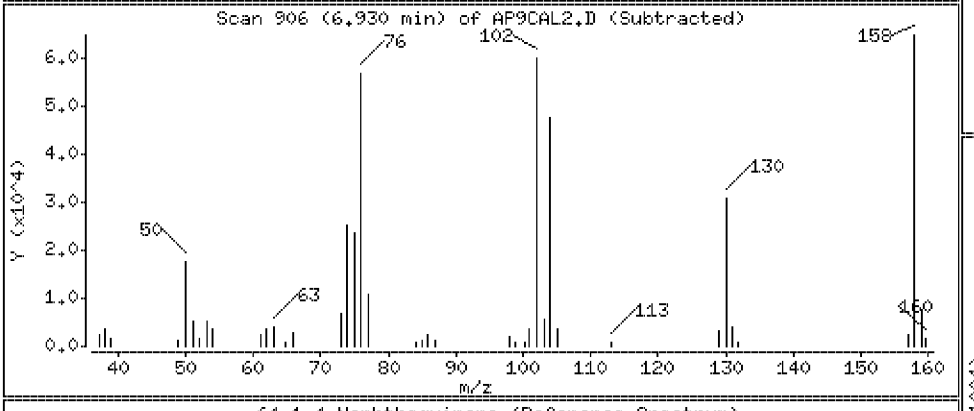
Column phase: HPMS-5

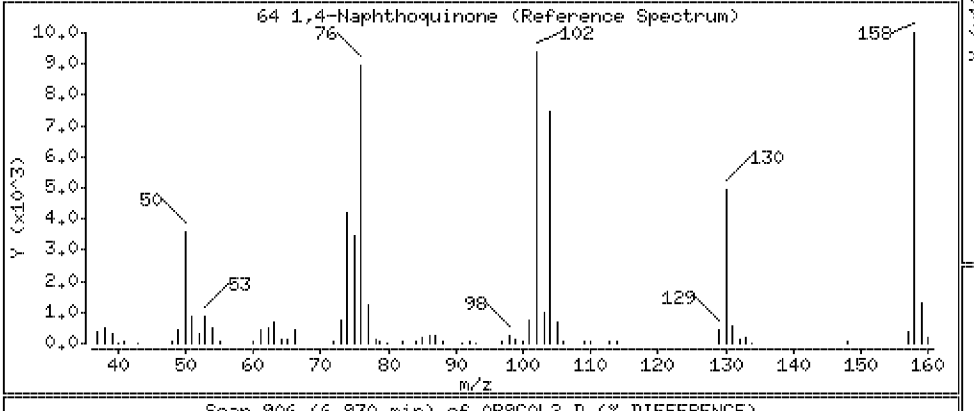
Column diameter: 0.25

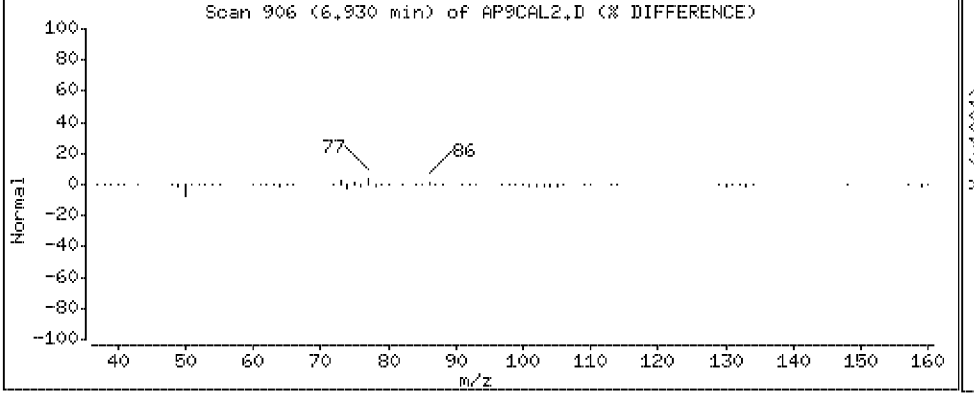
64 1,4-Naphthoquinone

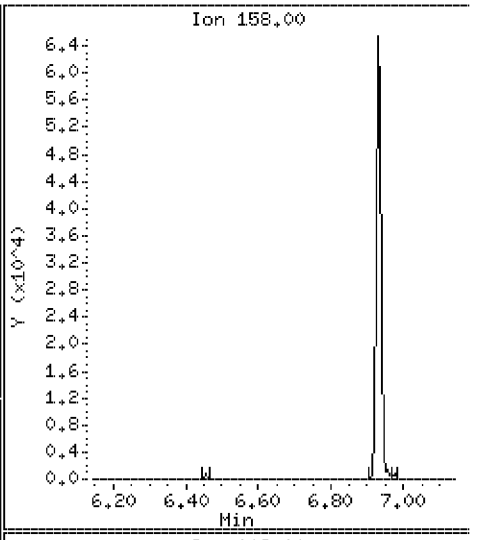
Concentration: 8.7 ug/l

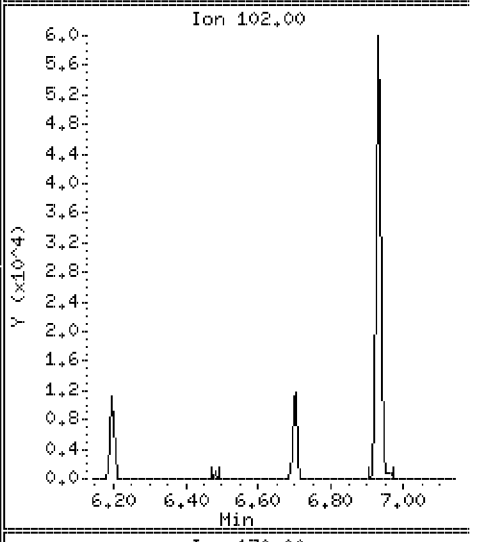


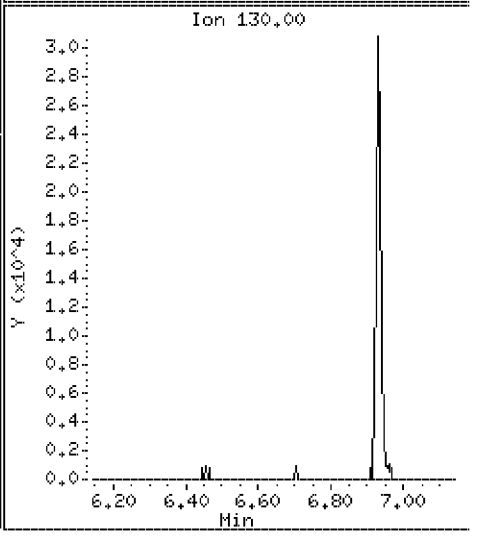












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

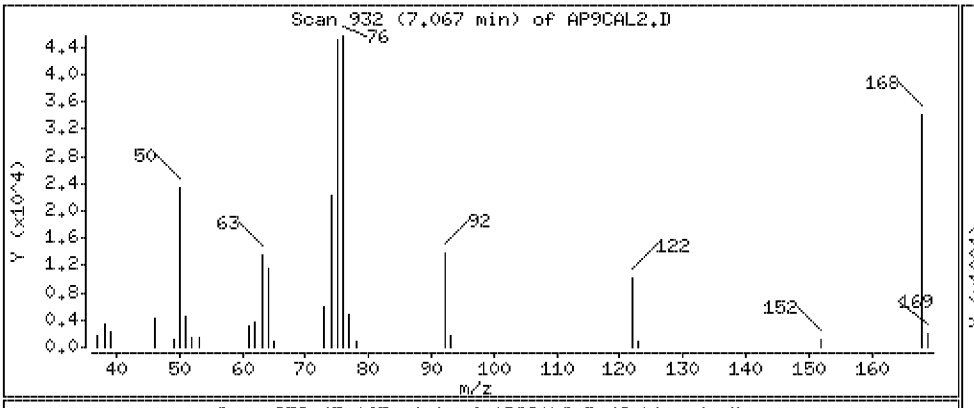
Operator: MJ

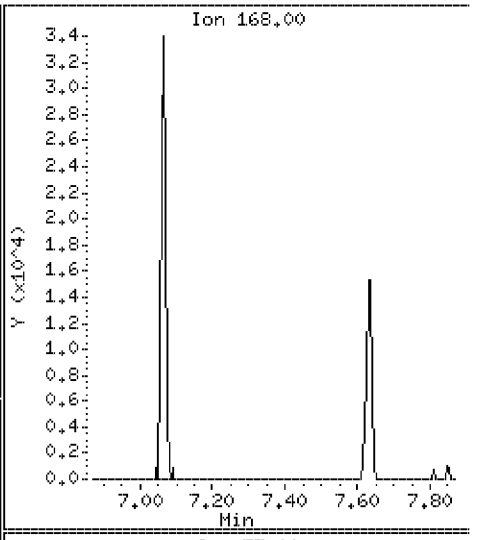
Column phase: HPMS-5

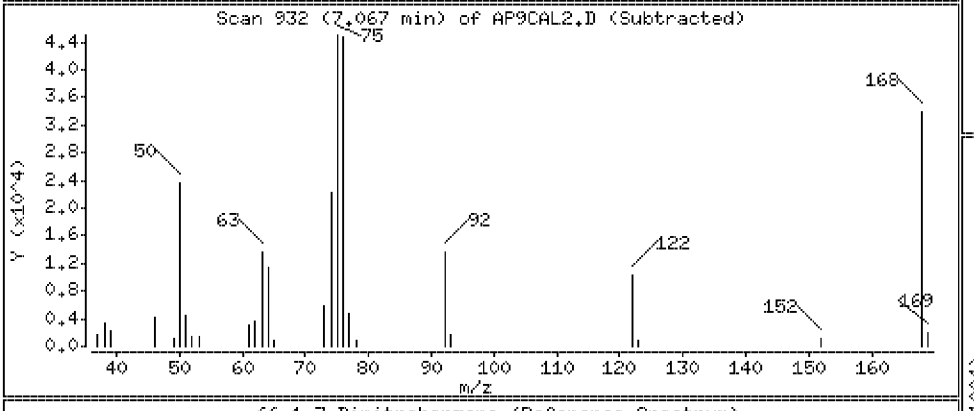
Column diameter: 0.25

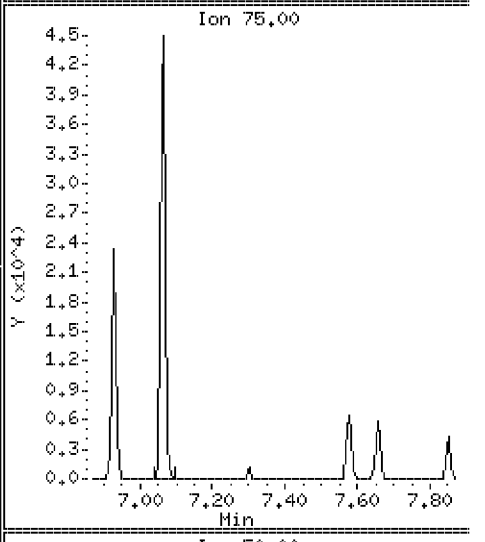
66 1,3-Dinitrobenzene

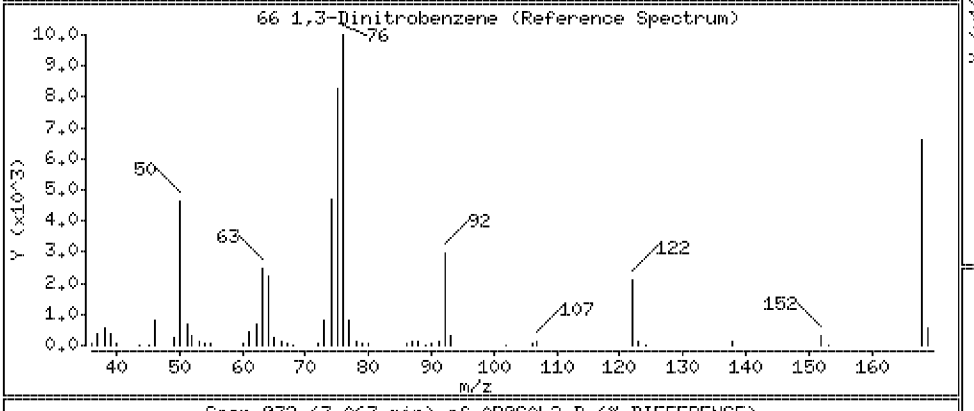
Concentration: 9.2 ug/l

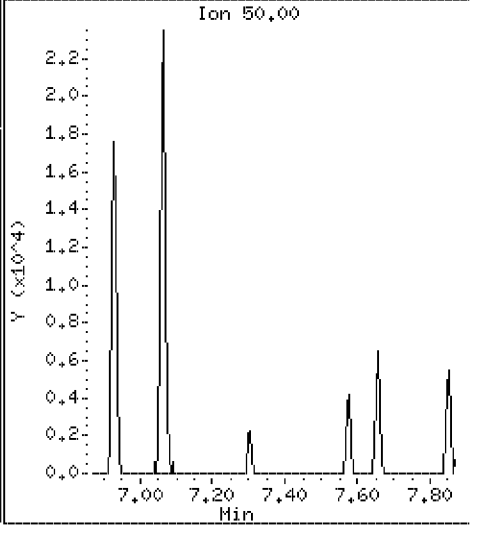


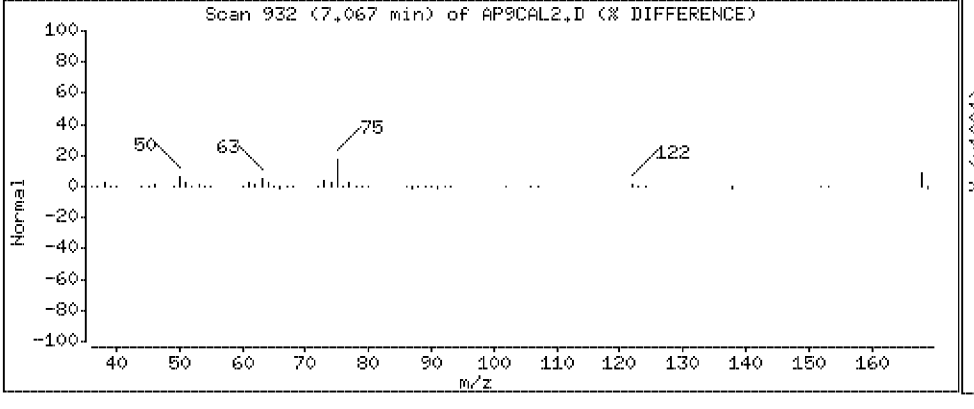












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

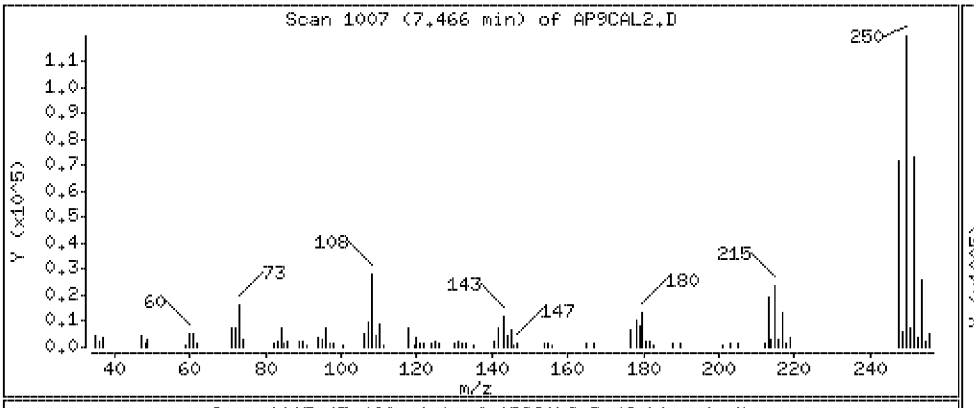
Operator: MJ

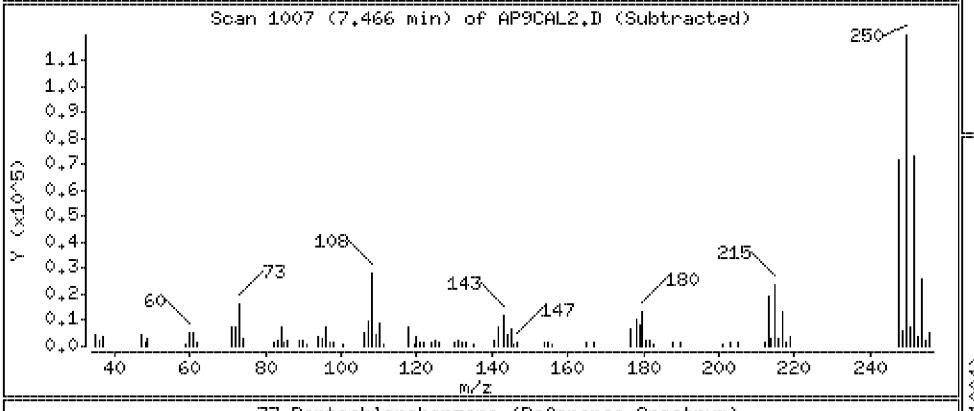
Column phase: HPMS-5

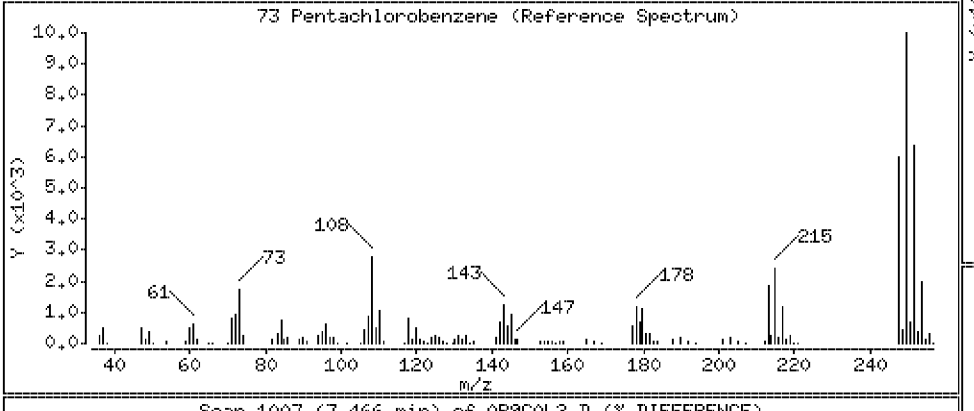
Column diameter: 0.25

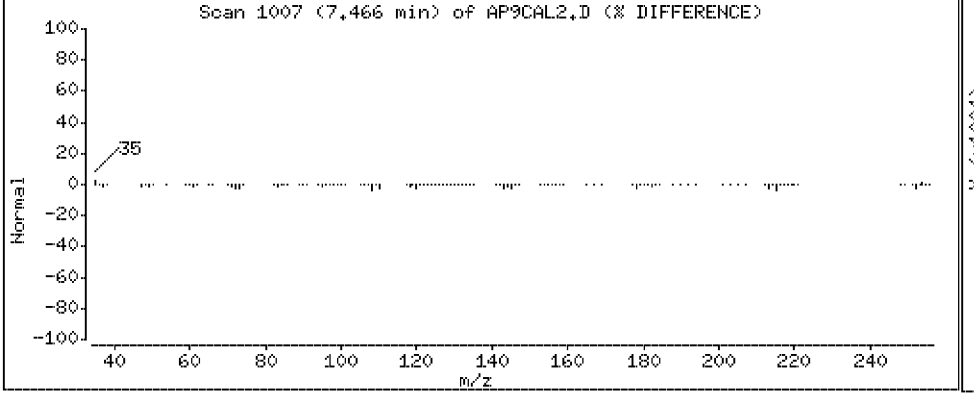
73 Pentachlorobenzene

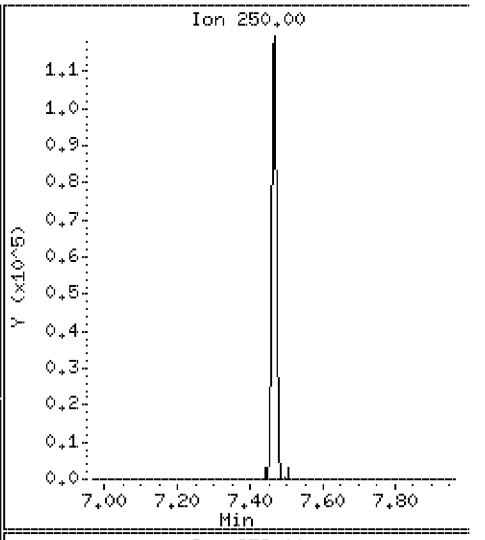
Concentration: 9.1 ug/l

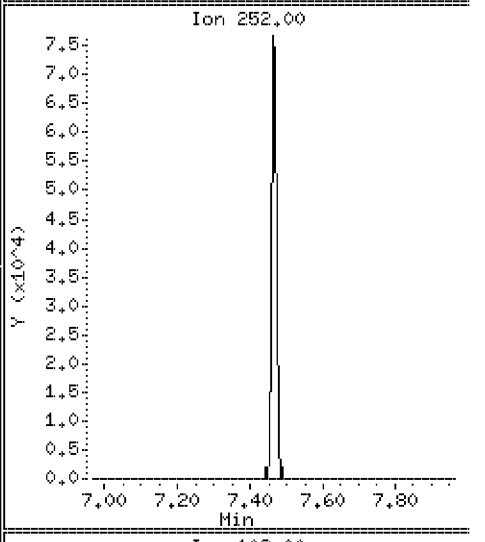


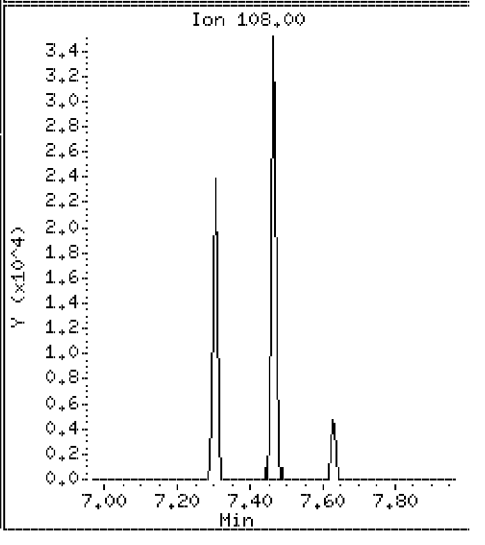












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

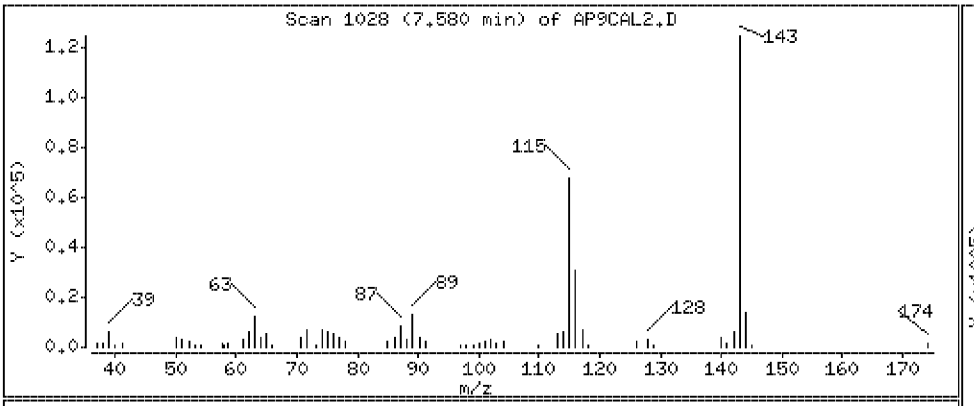
Operator: MJ

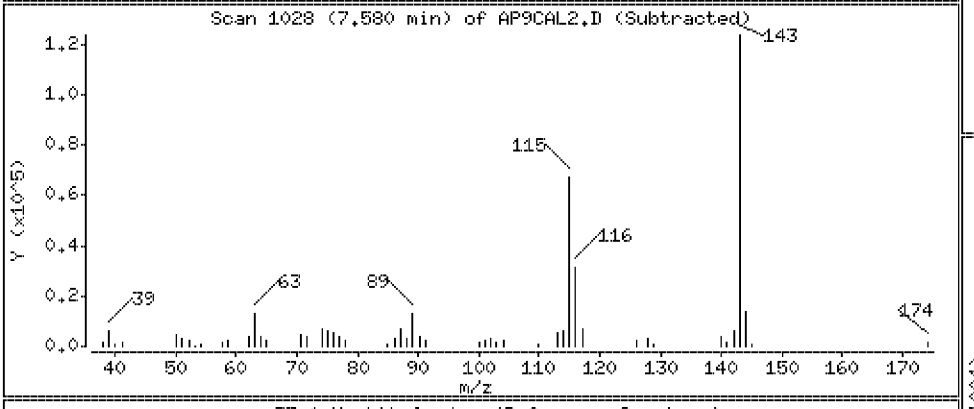
Column phase: HPMS-5

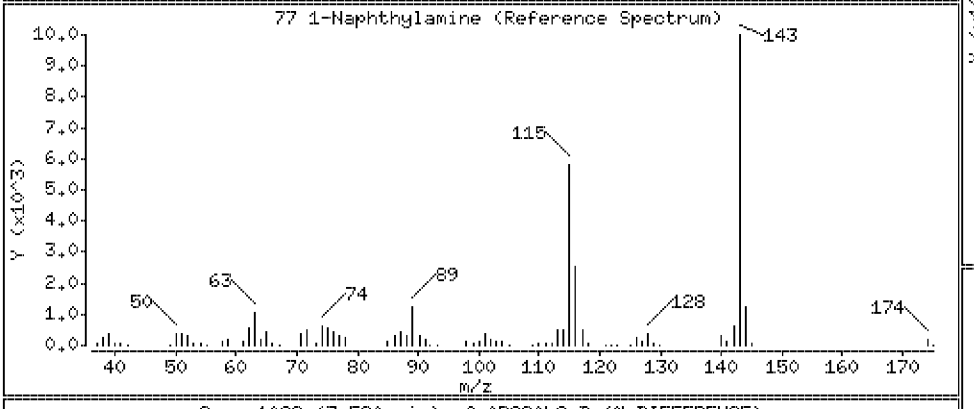
Column diameter: 0.25

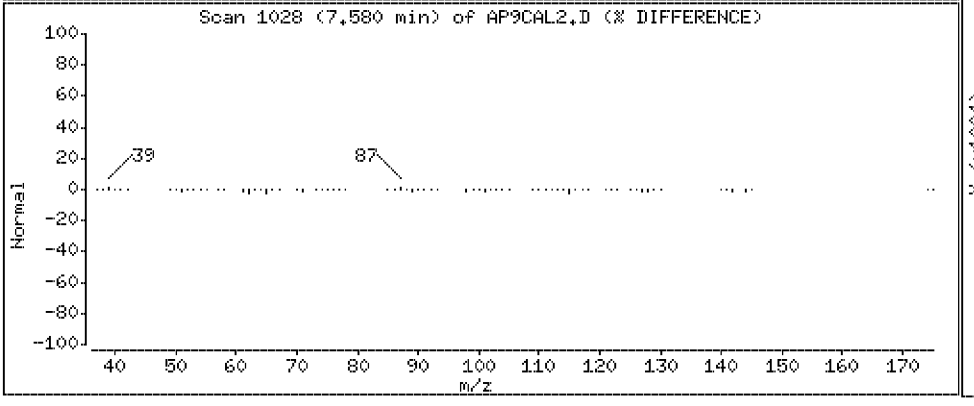
77 1-Naphthylamine

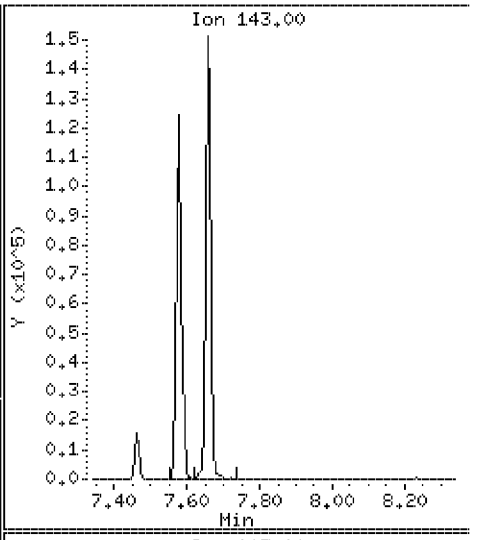
Concentration: 9.5 ug/l

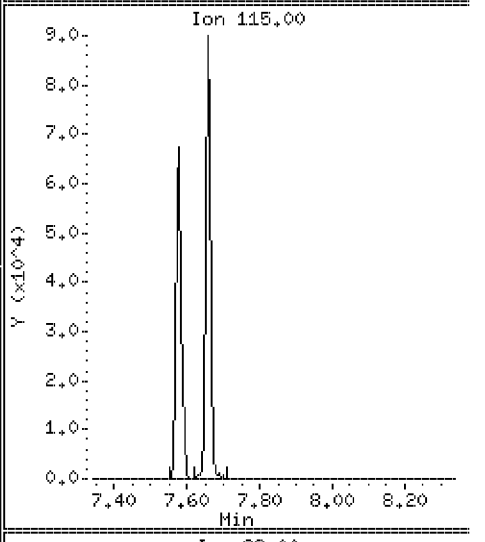


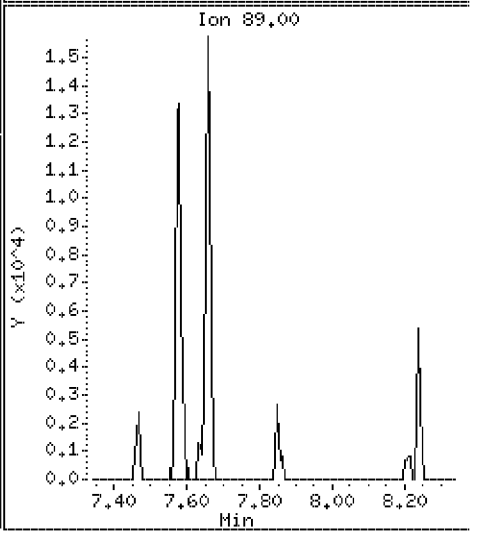












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

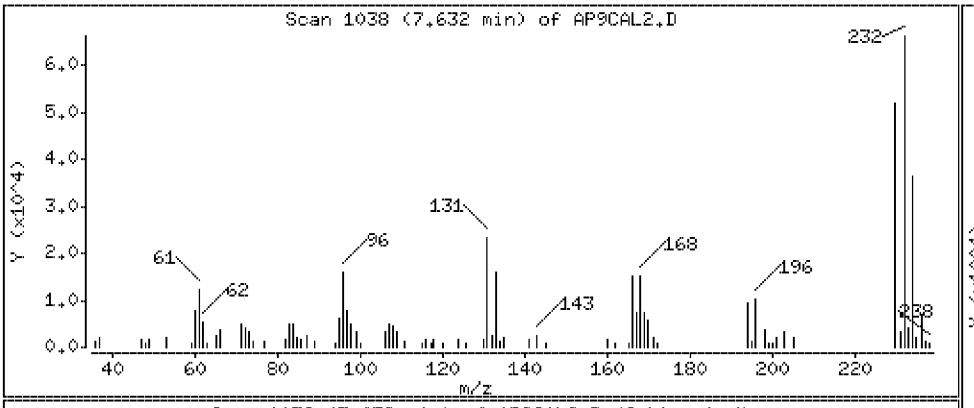
Operator: MJ

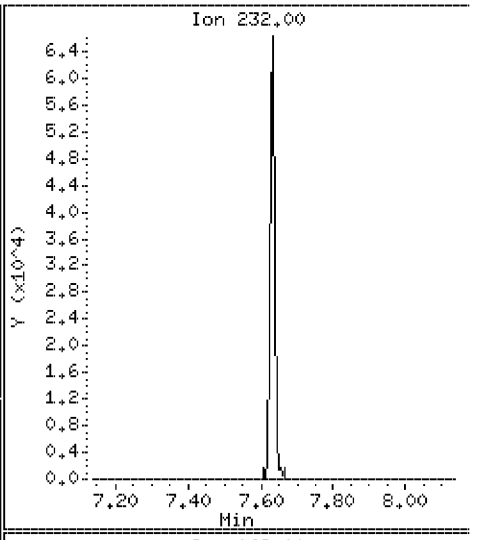
Column phase: HPMS-5

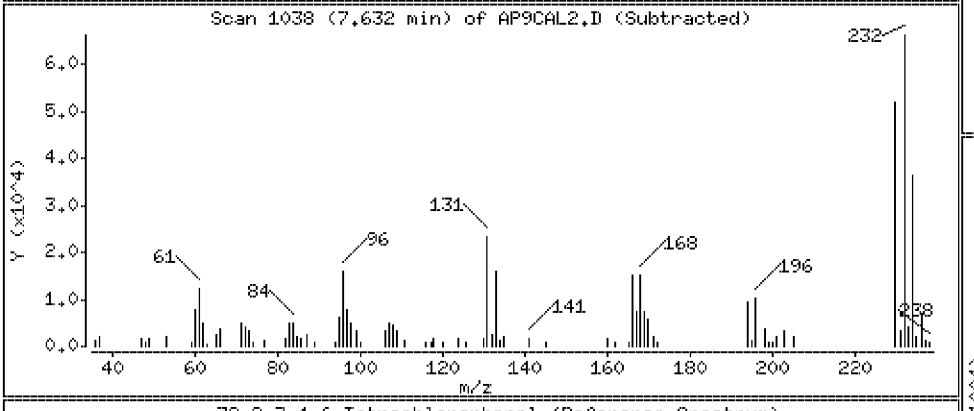
Column diameter: 0.25

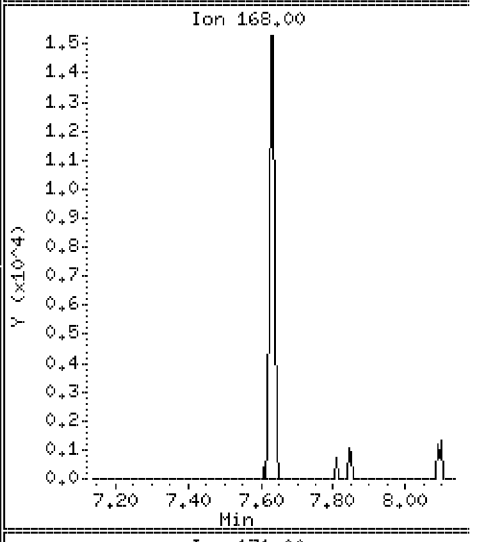
78 2,3,4,6-Tetrachlorophenol

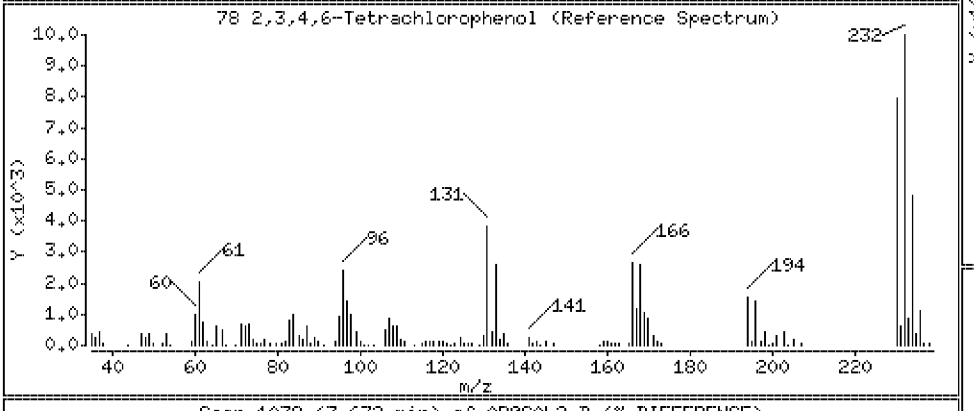
Concentration: 9.0 ug/l

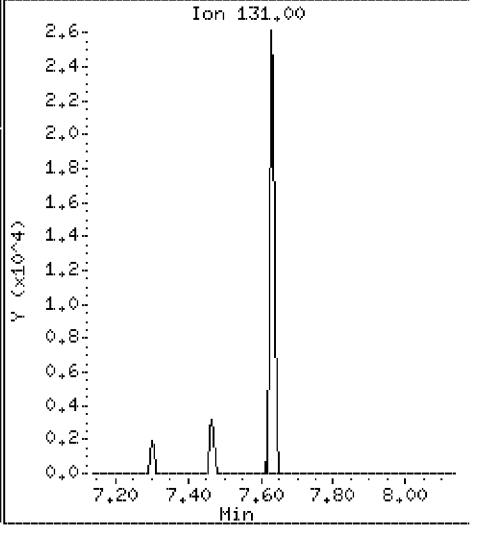


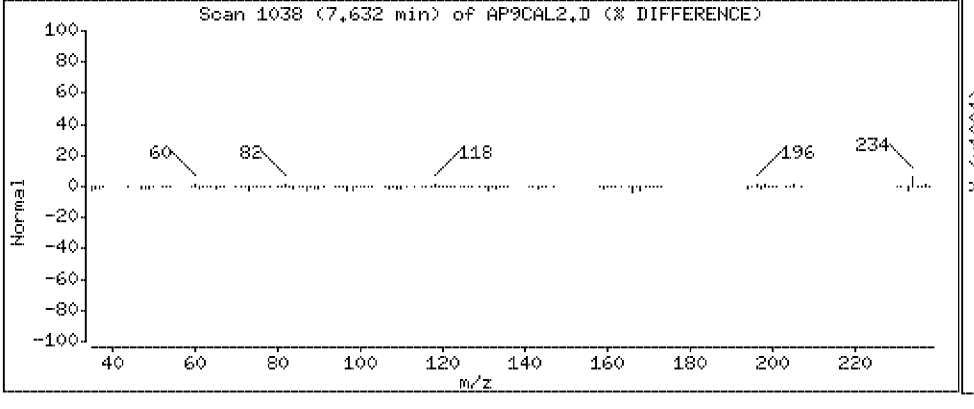












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

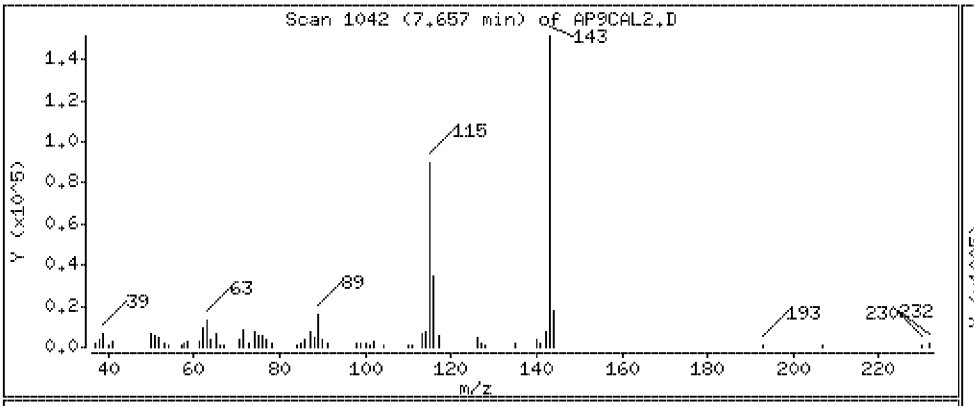
Operator: MJ

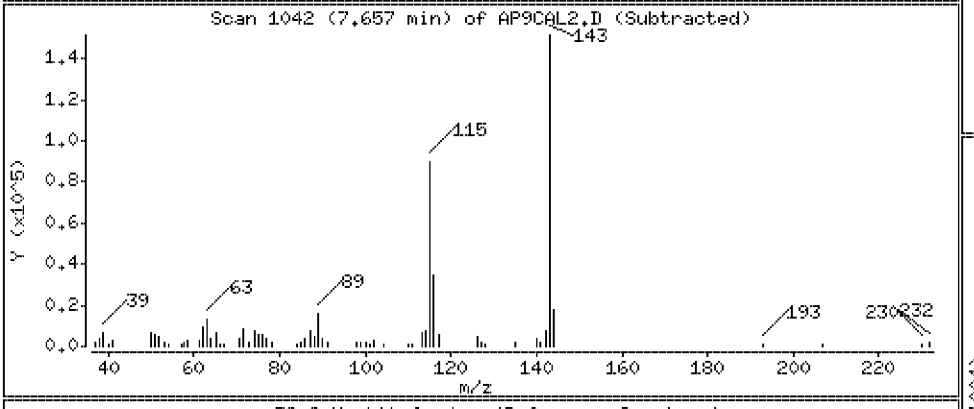
Column phase: HPMS-5

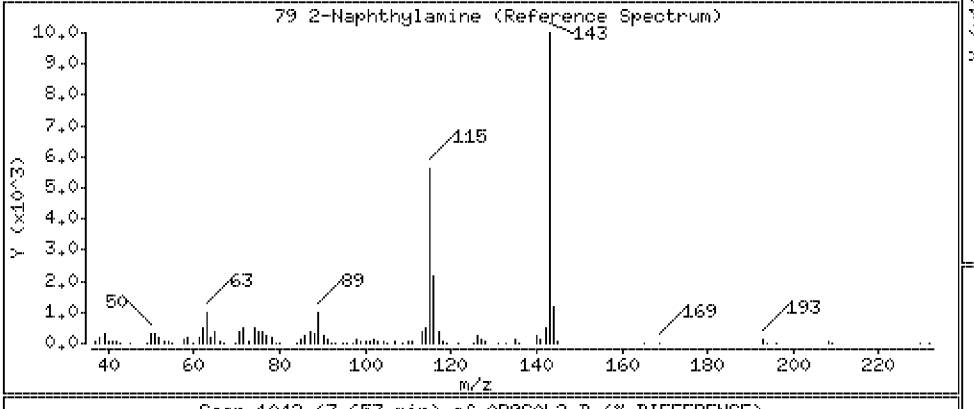
Column diameter: 0.25

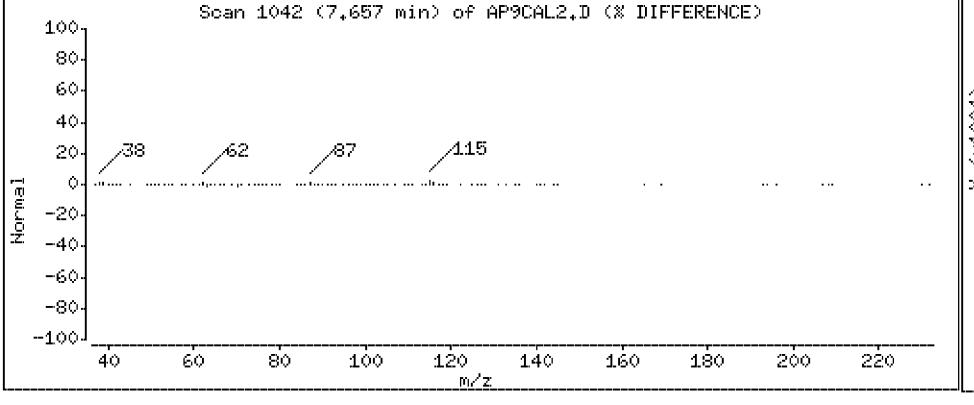
79 2-Naphthylamine

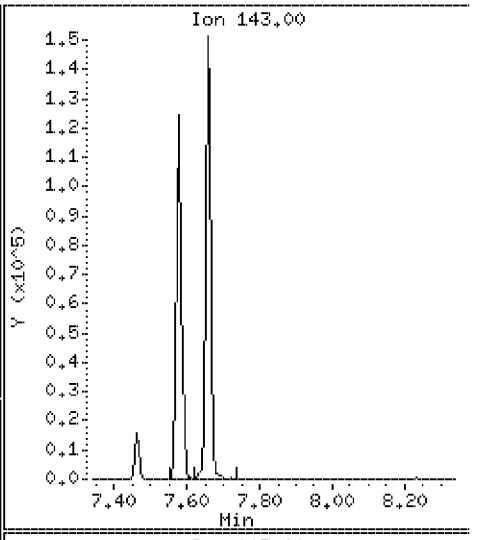
Concentration: 9.6 ug/l

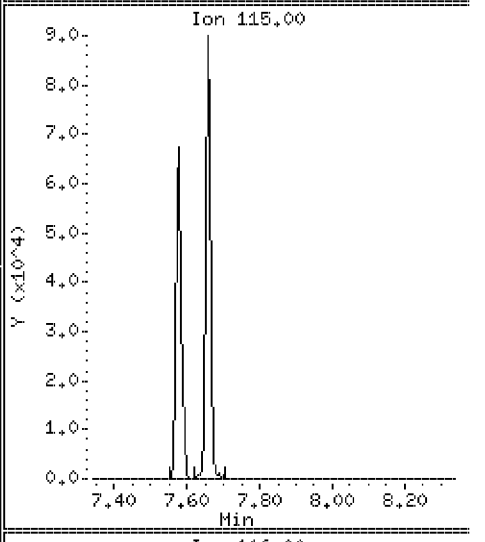


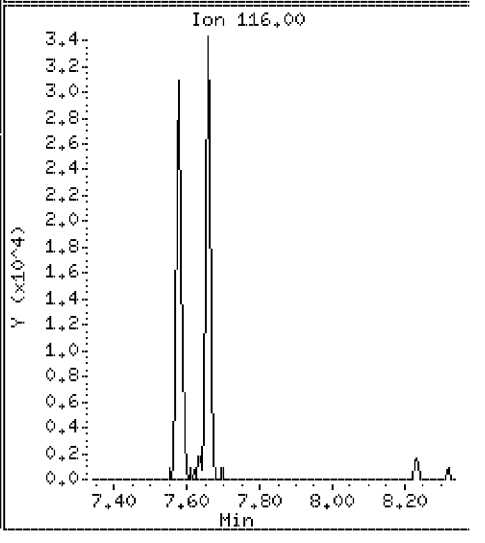












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

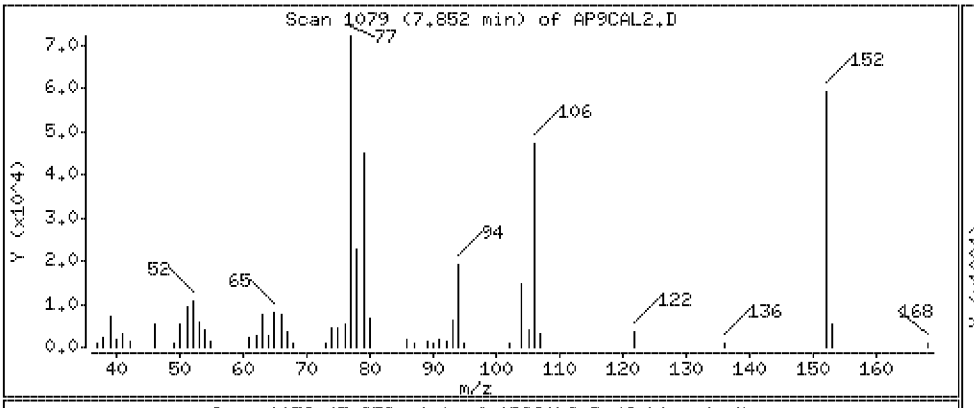
Operator: MJ

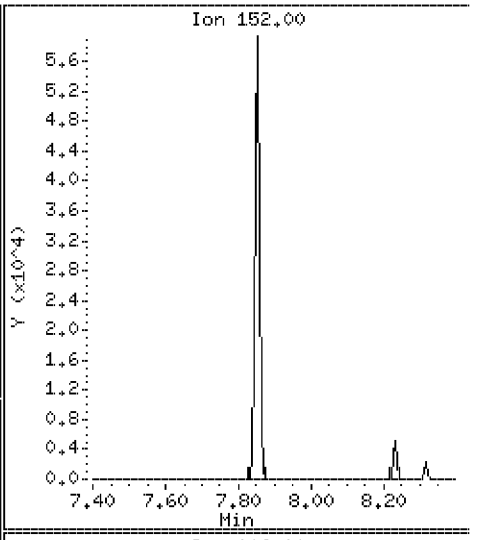
Column phase: HPMS-5

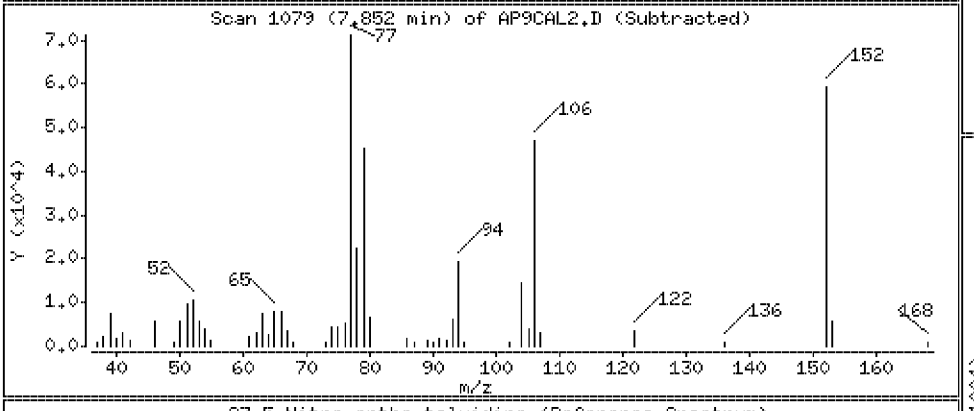
Column diameter: 0.25

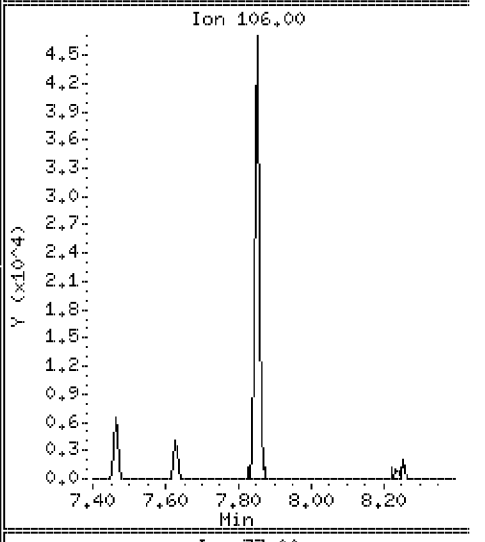
83 5-Nitro-ortho-toluidine

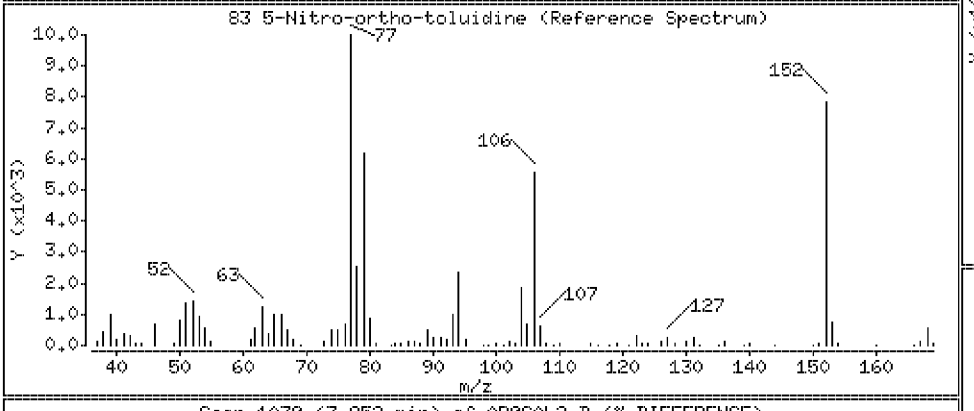
Concentration: 8.9 ug/l

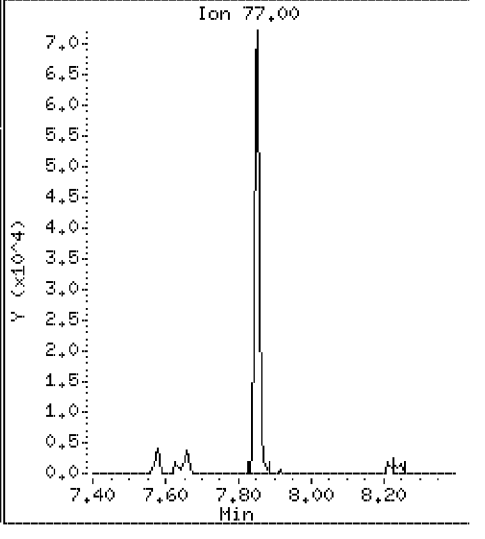


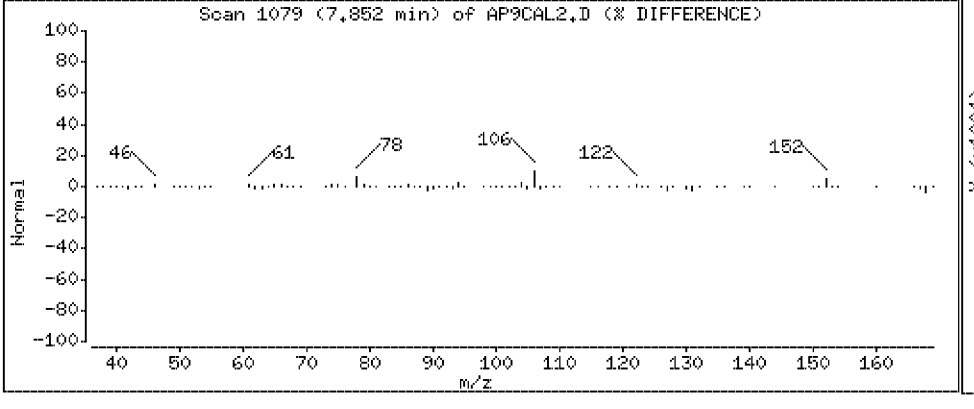












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

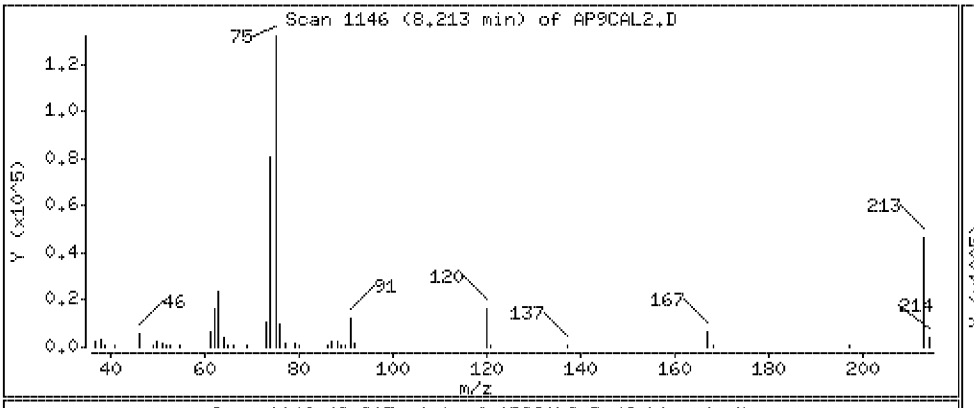
Operator: MJ

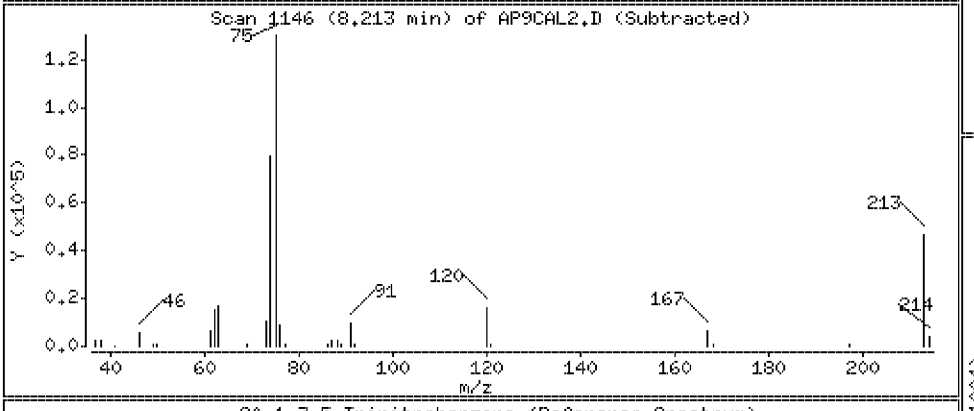
Column phase: HPMS-5

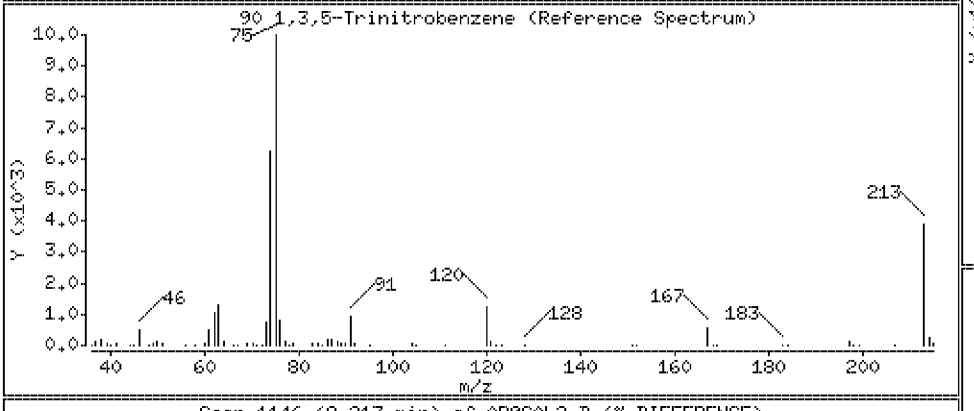
Column diameter: 0.25

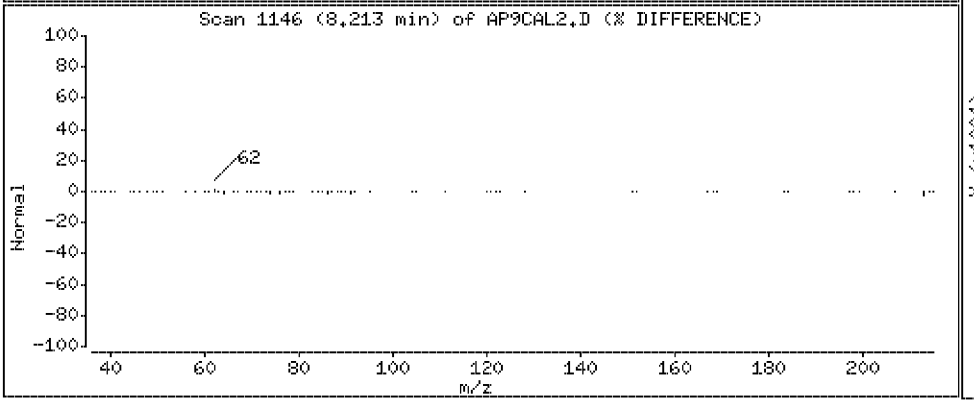
90 1,3,5-Trinitrobenzene

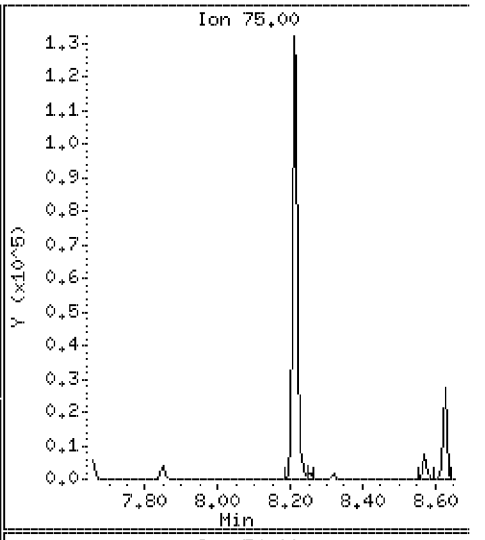
Concentration: 10.6 ug/l

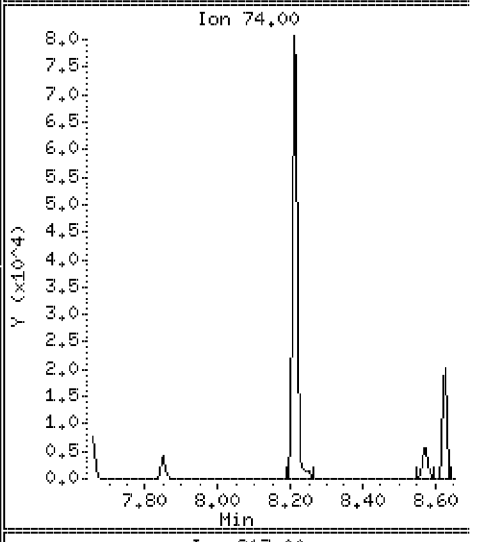


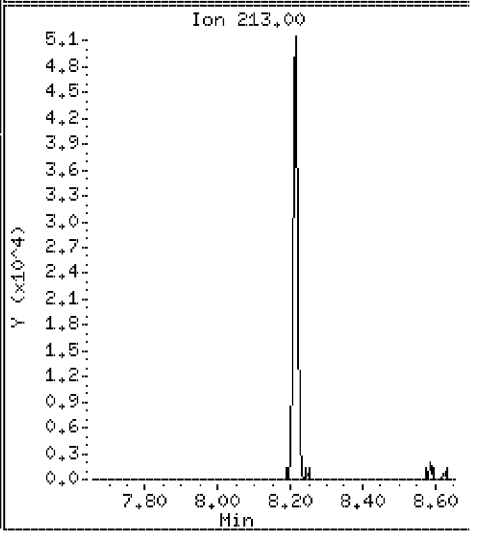












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

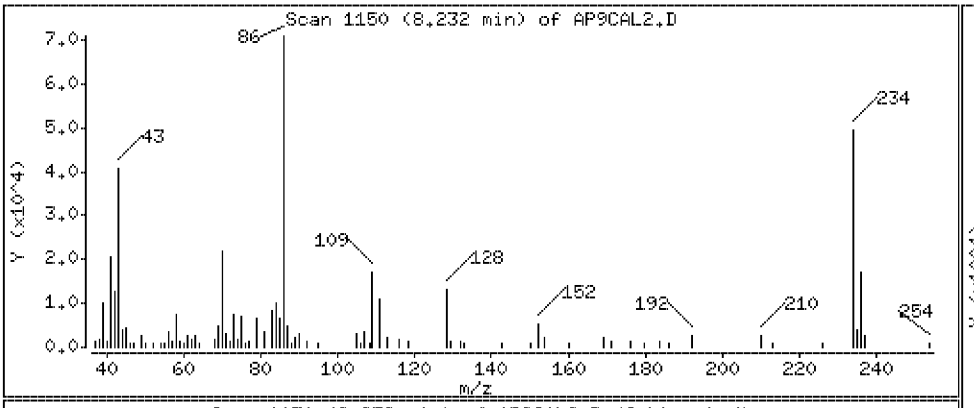
Operator: MJ

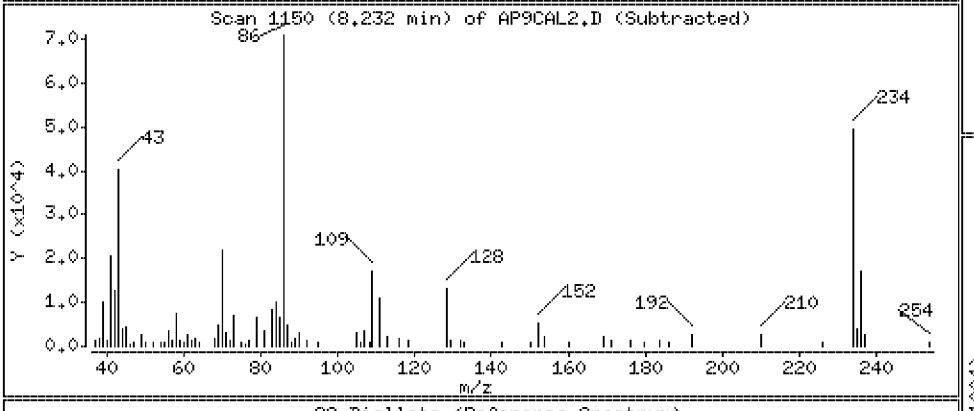
Column phase: HPMS-5

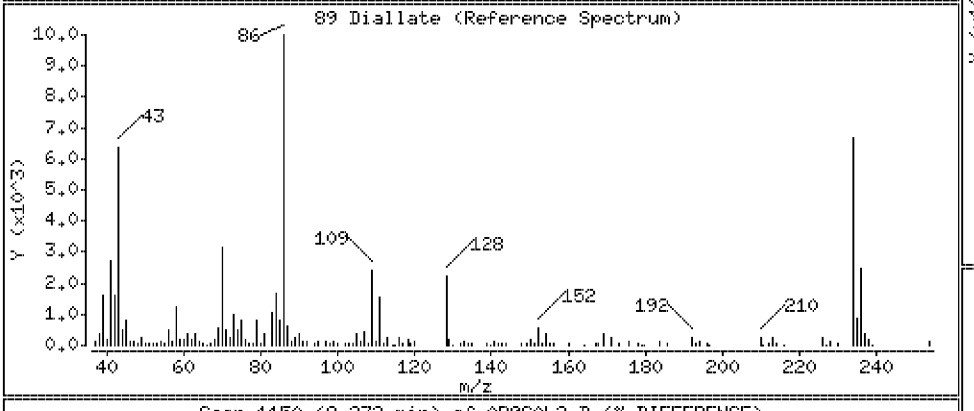
Column diameter: 0.25

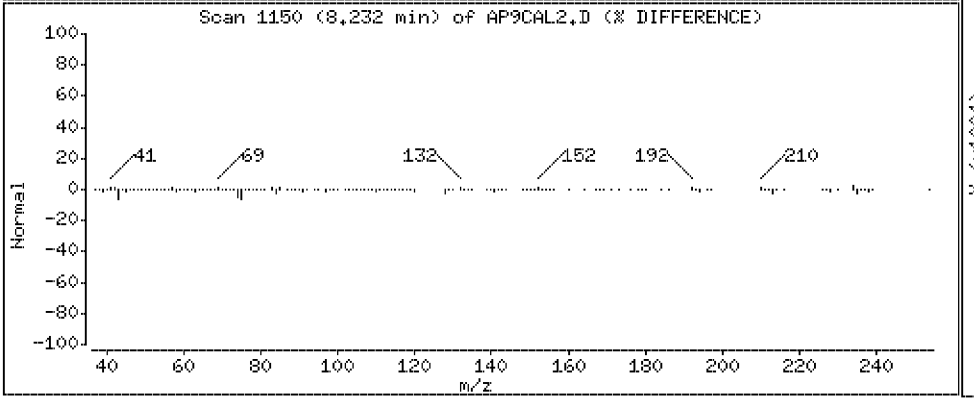
89 Diallate

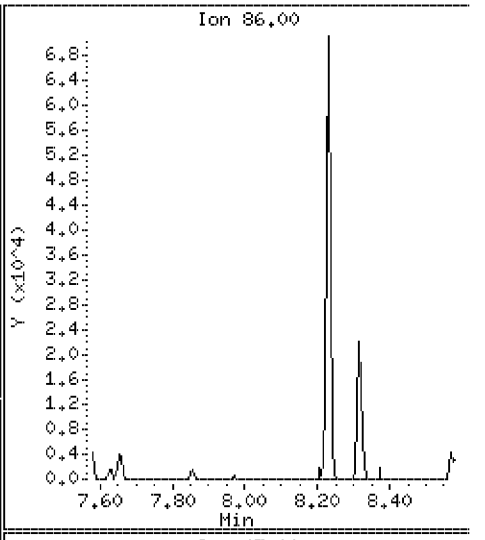
Concentration: 9.0 ug/l

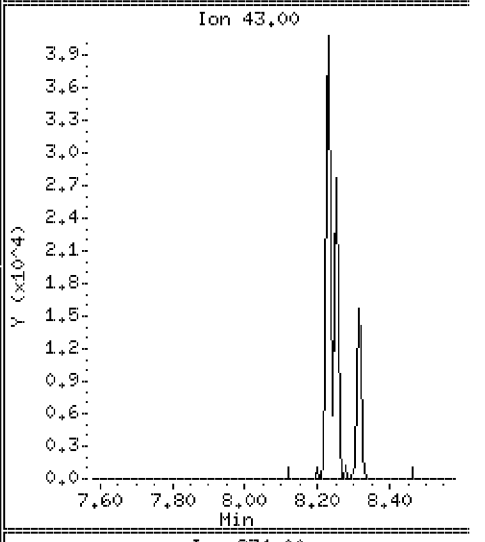


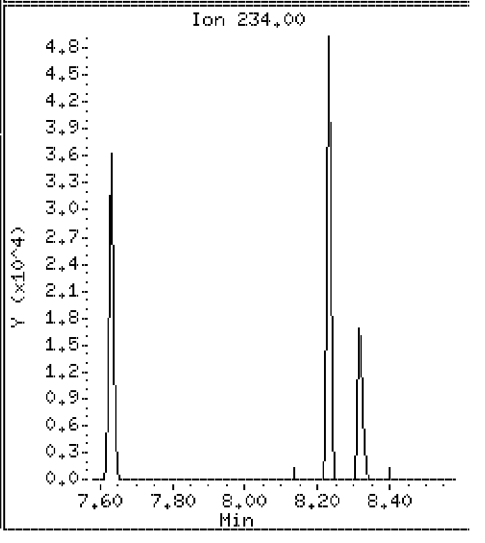












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

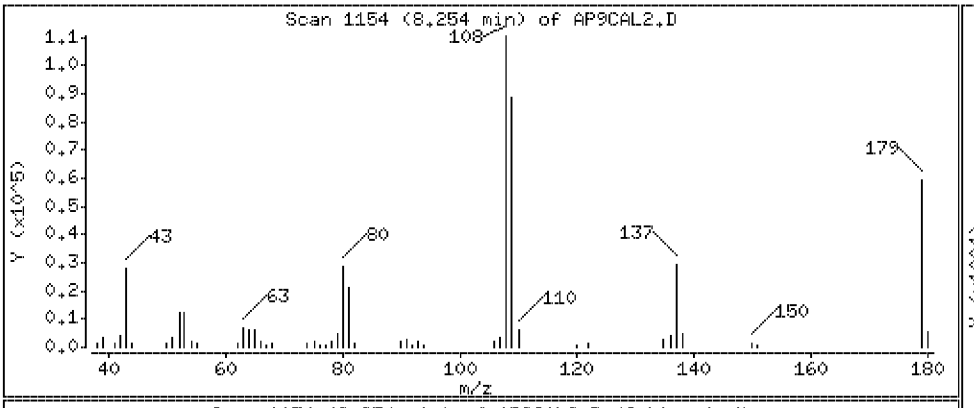
Operator: MJ

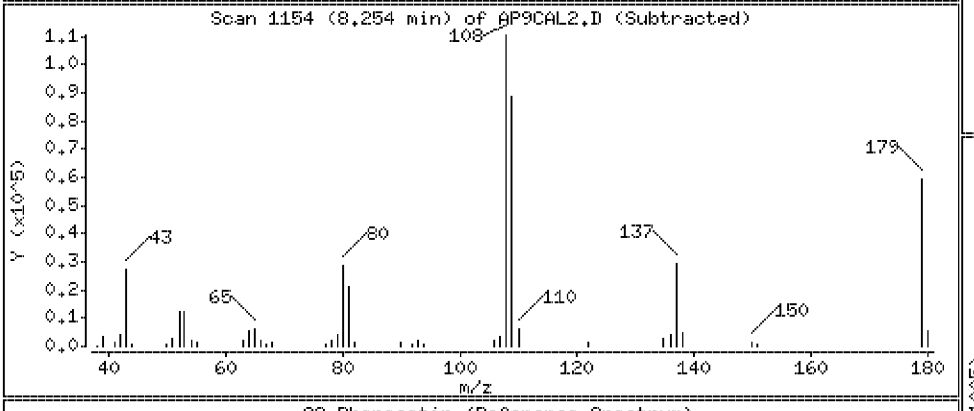
Column phase: HPMS-5

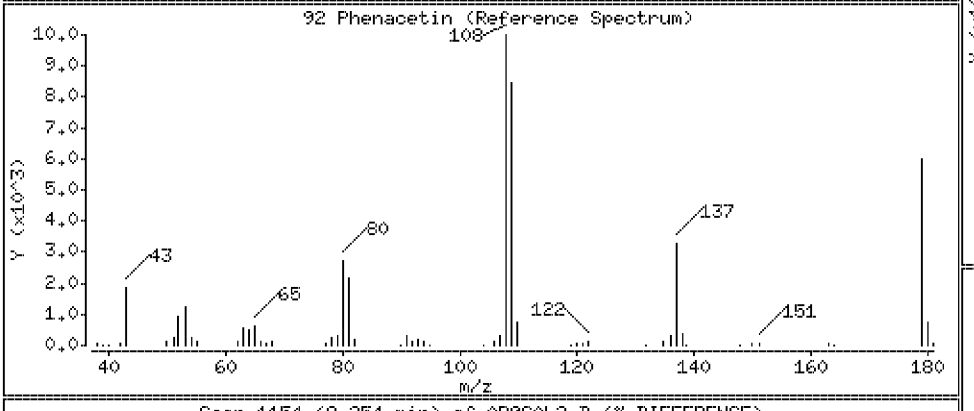
Column diameter: 0.25

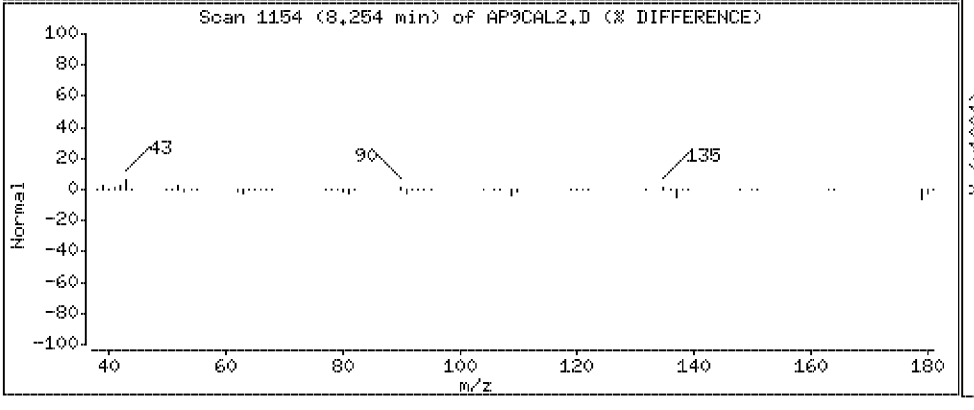
92 Phenacetin

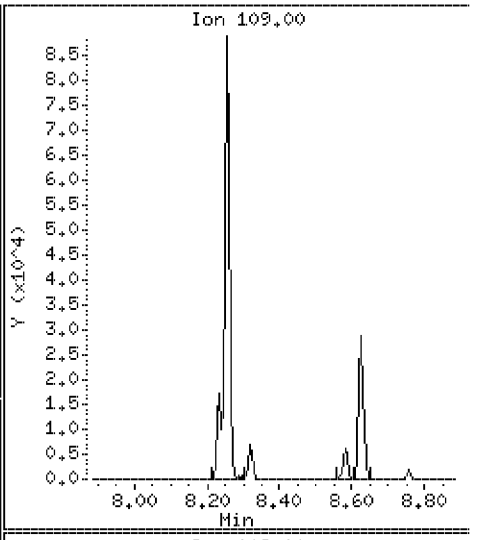
Concentration: 10.2 ug/l

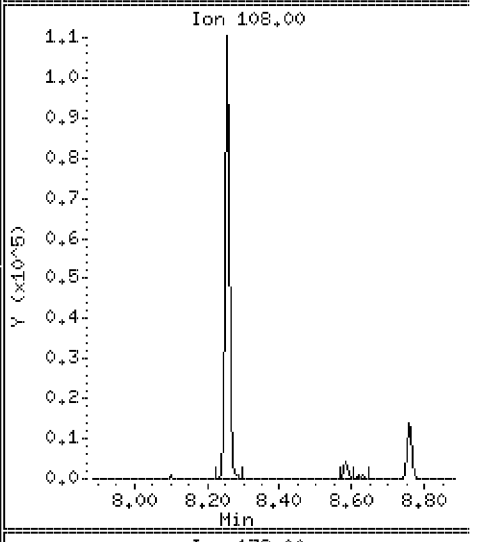


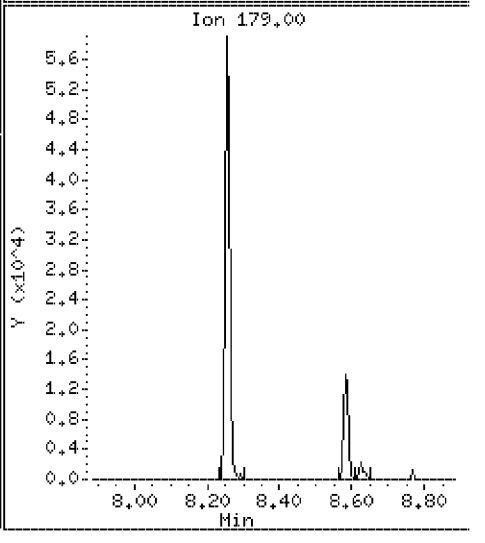












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

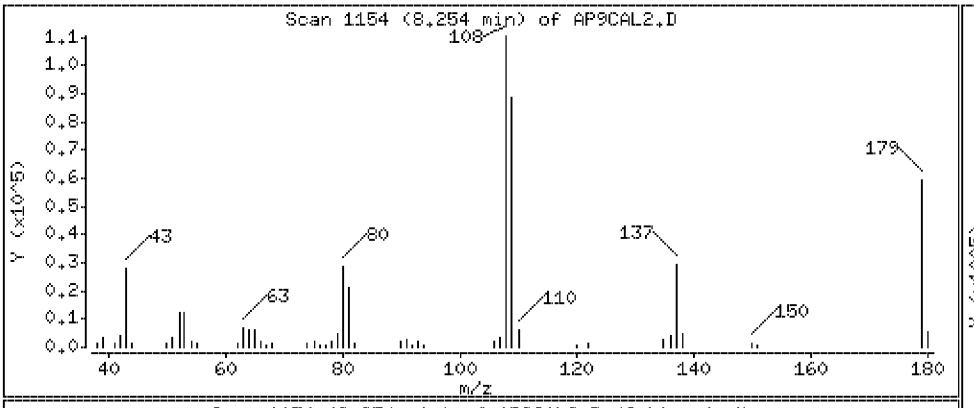
Operator: MJ

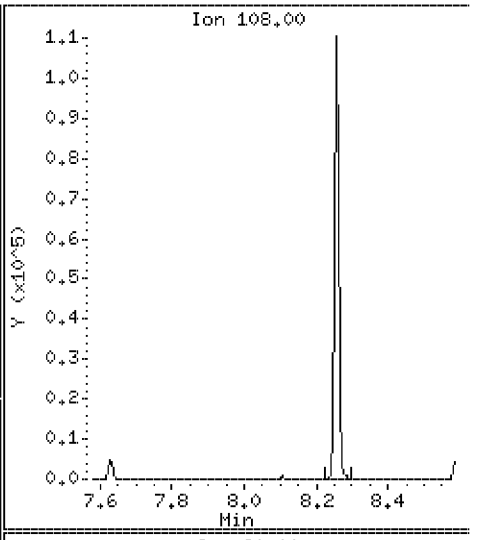
Column phase: HPMS-5

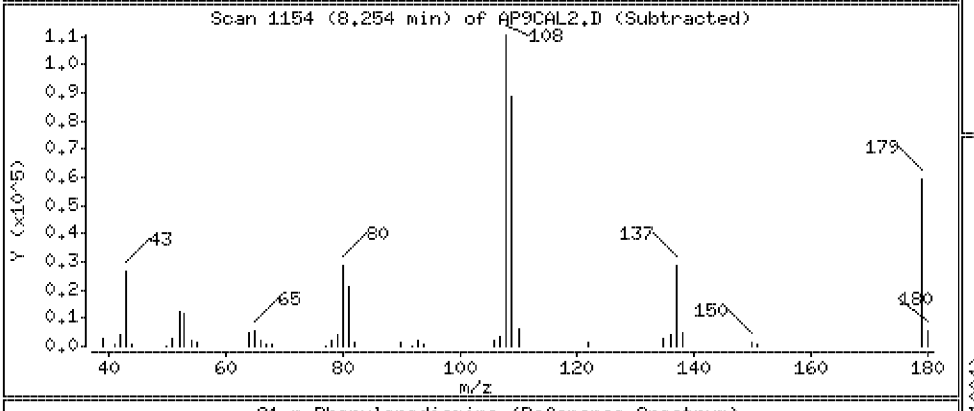
Column diameter: 0.25

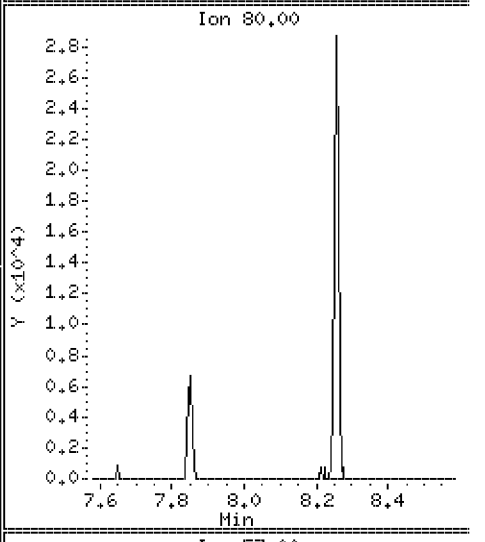
91 p-Phenylenediamine

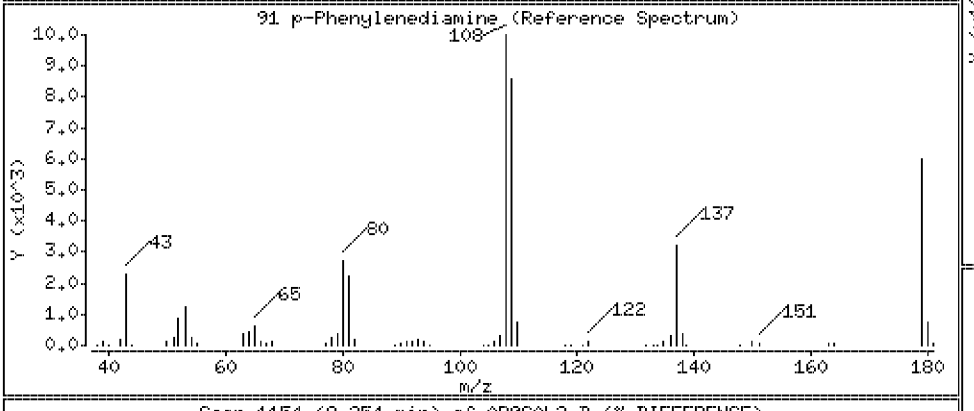
Concentration: 9.3 ug/l

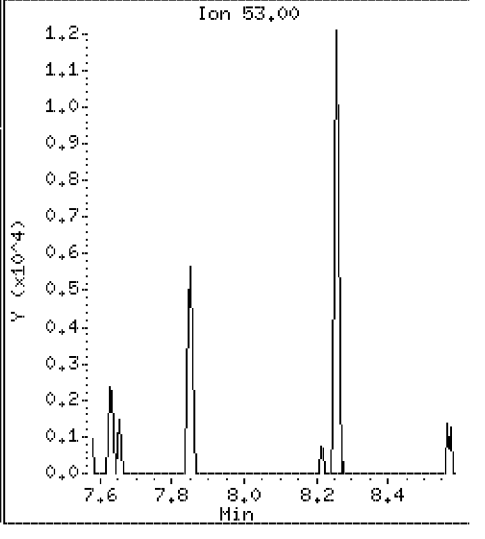


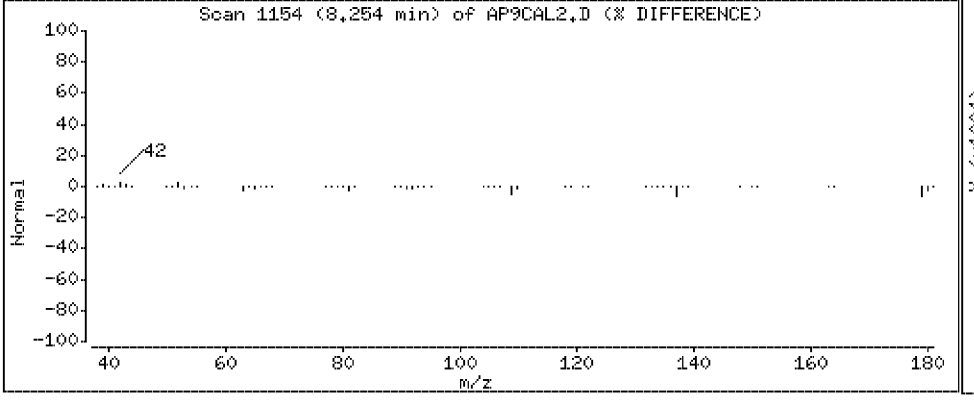












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Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

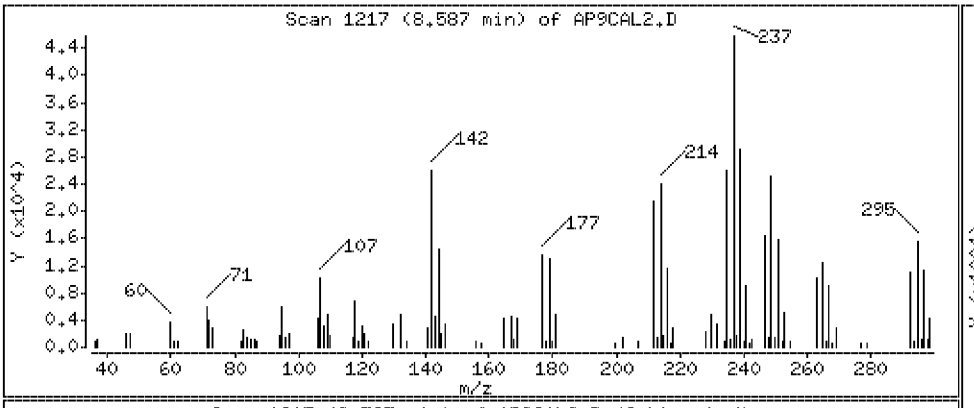
Operator: MJ

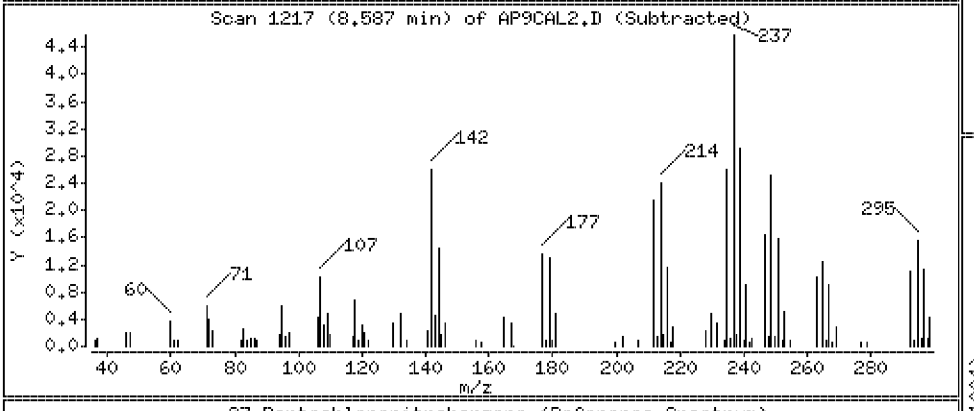
Column phase: HPMS-5

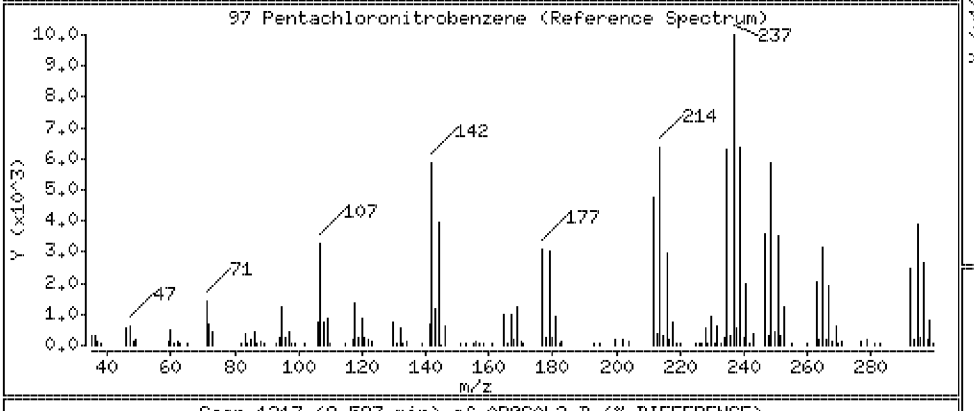
Column diameter: 0.25

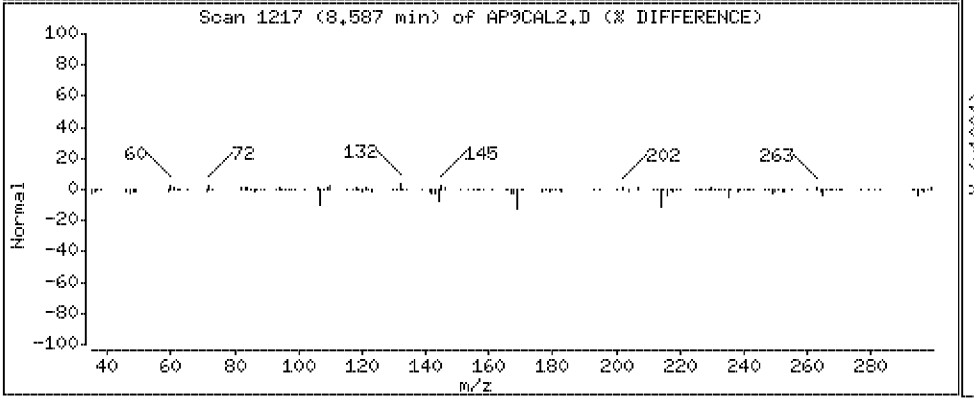
97 Pentachloronitrobenzene

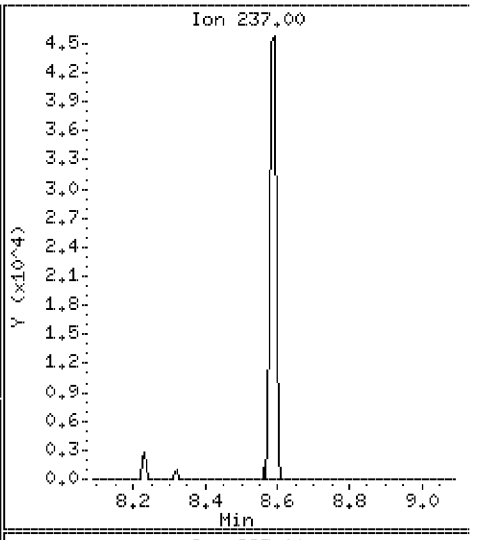
Concentration: 9.4 ug/l

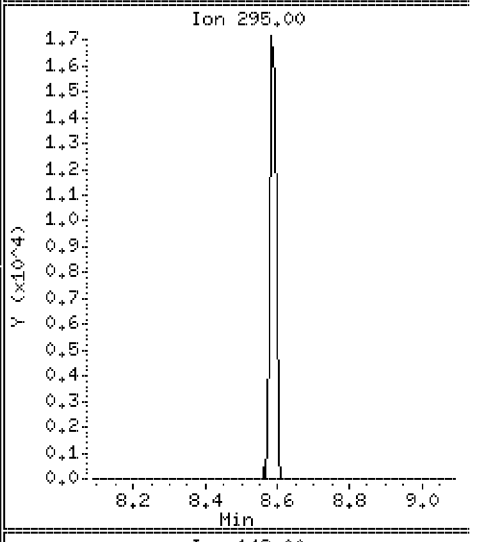


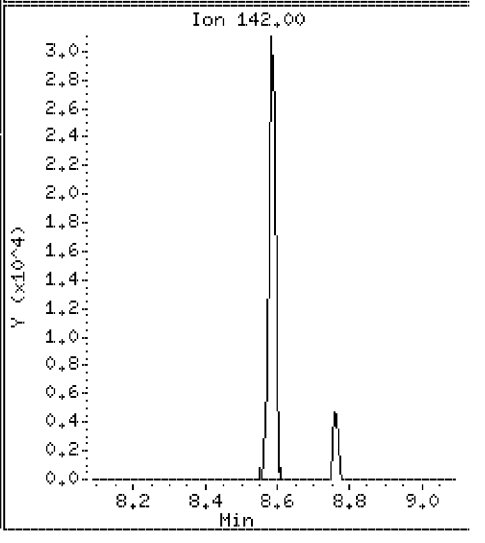












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

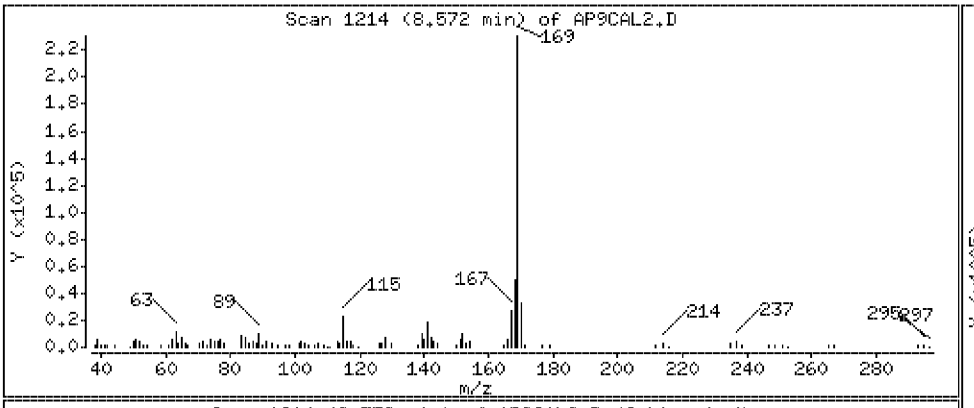
Operator: MJ

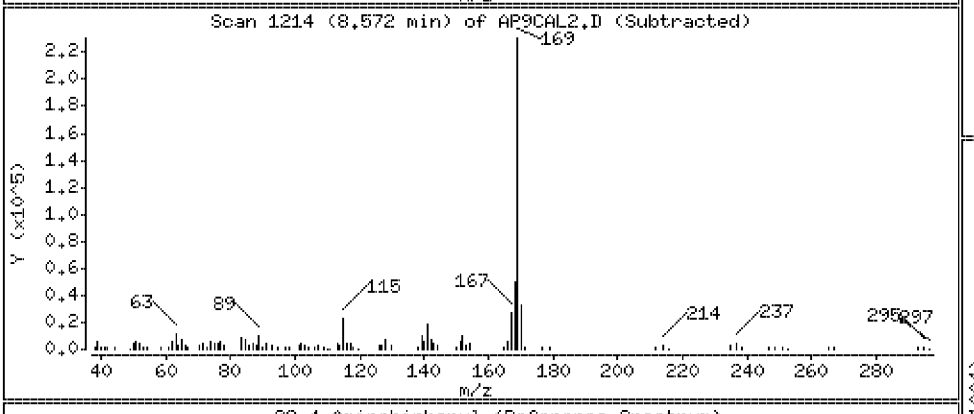
Column phase: HPMS-5

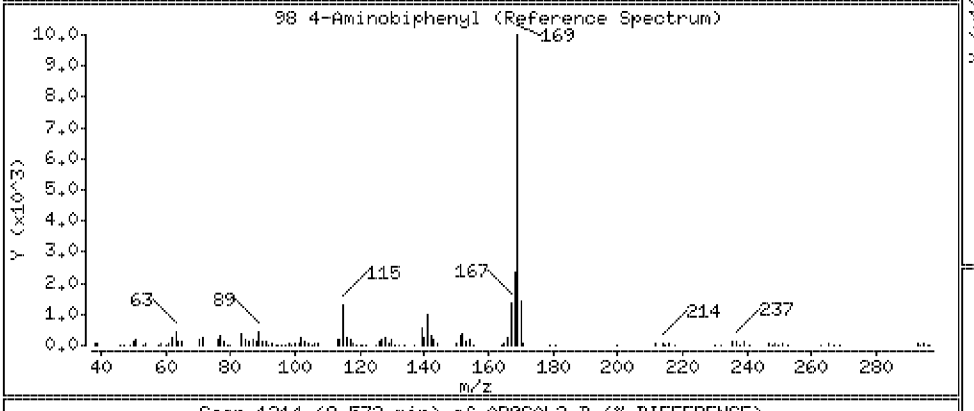
Column diameter: 0.25

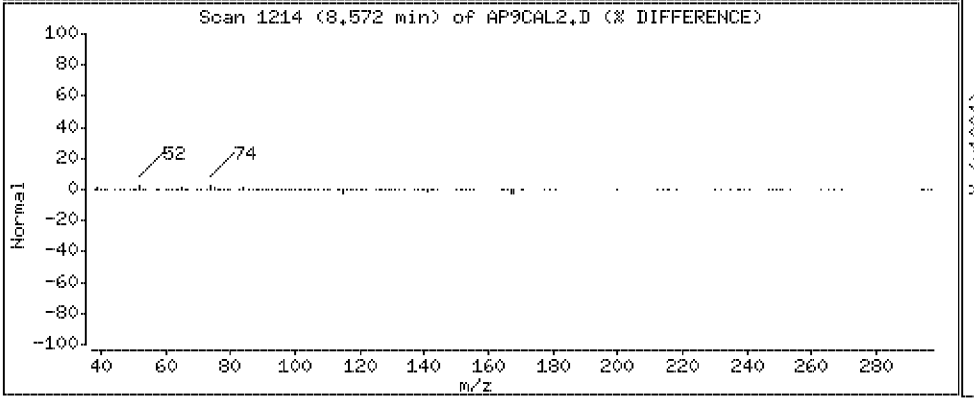
98 4-Aminobiphenyl

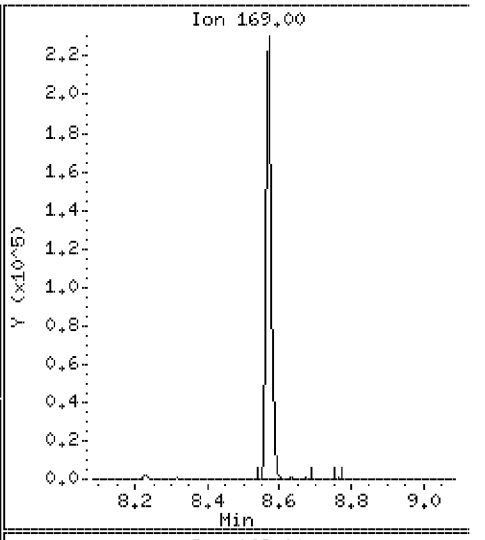
Concentration: 9.8 ug/l

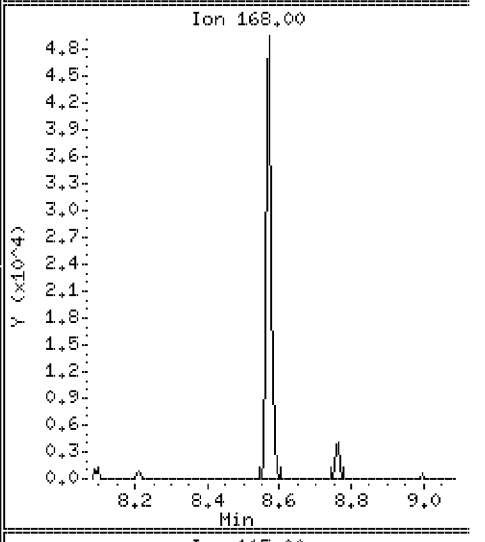


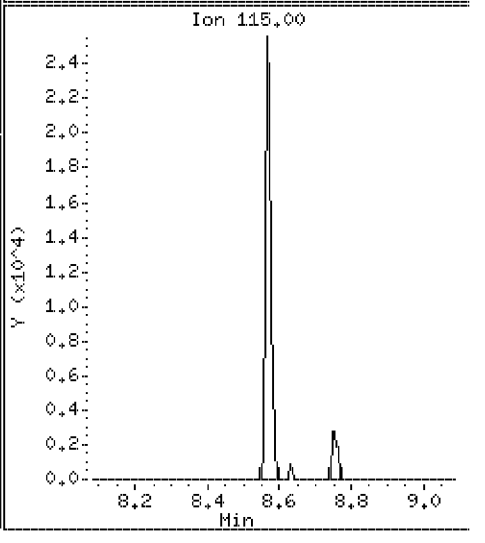












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

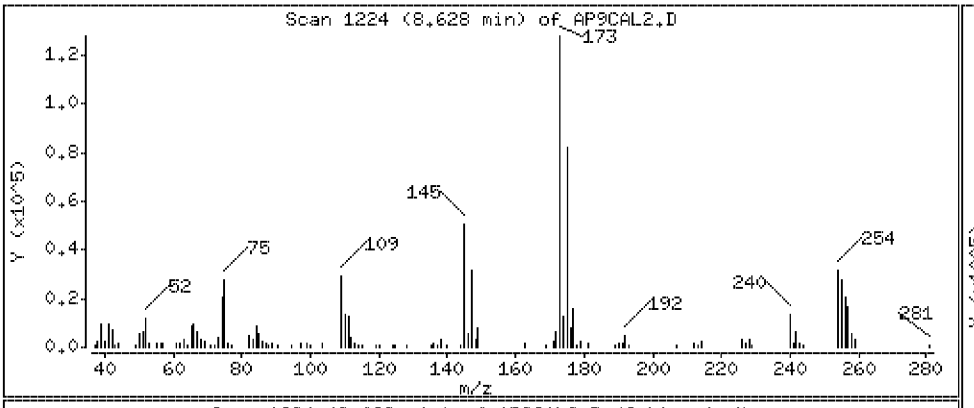
Operator: MJ

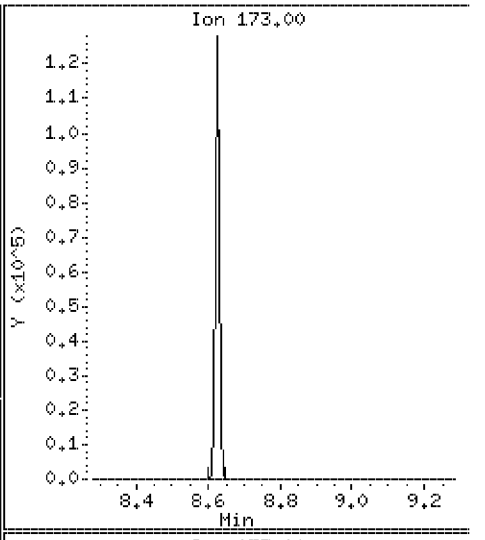
Column phase: HPMS-5

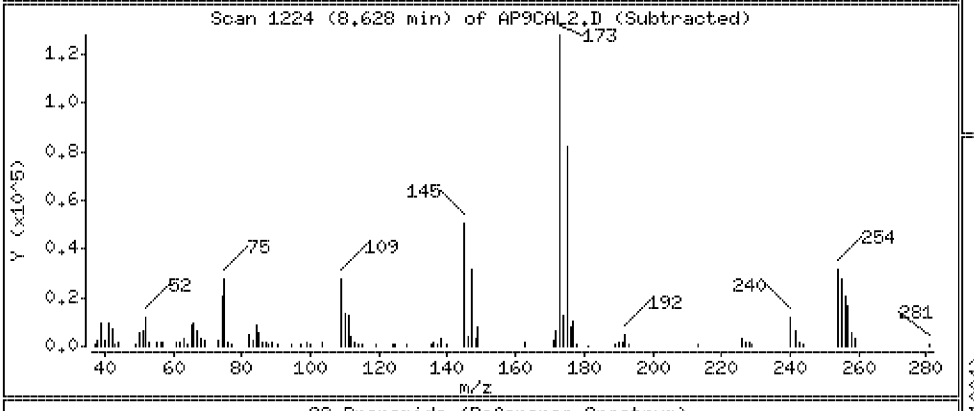
Column diameter: 0.25

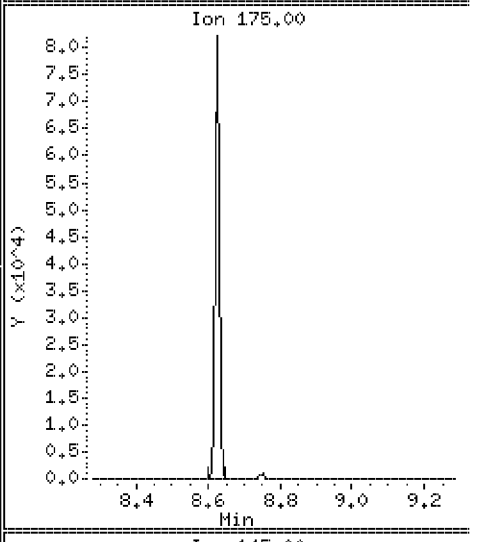
99 Pronamide

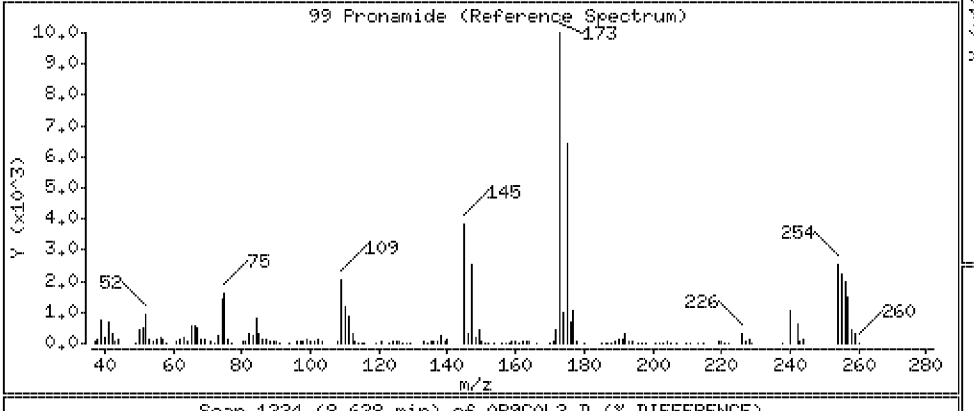
Concentration: 9.1 ug/l

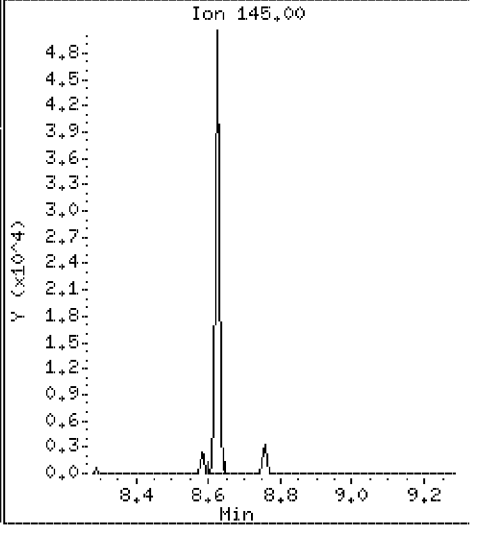


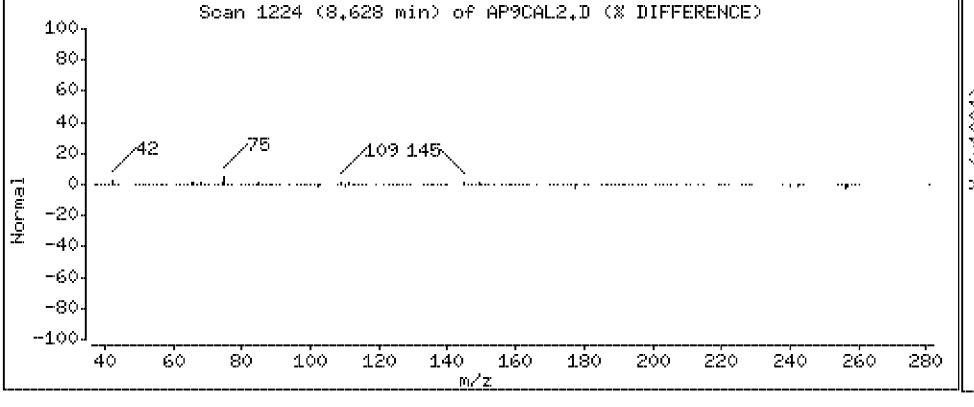












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

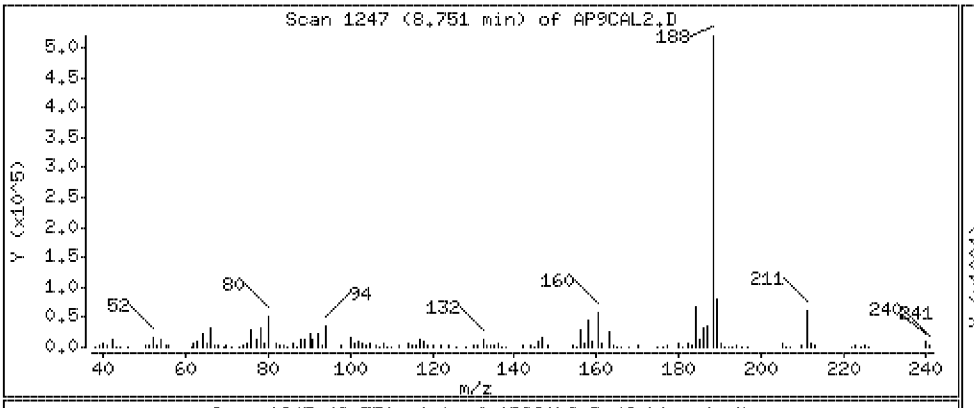
Operator: MJ

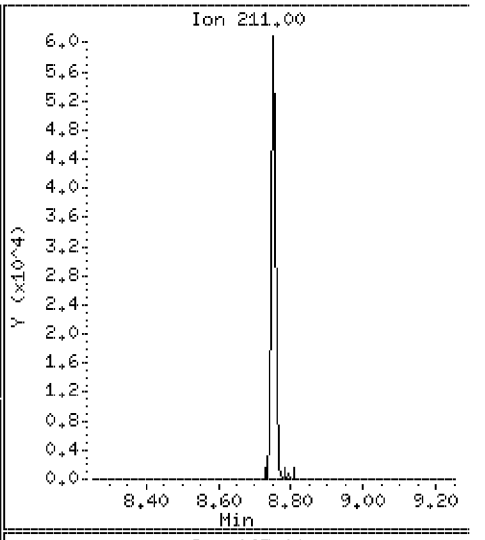
Column phase: HPMS-5

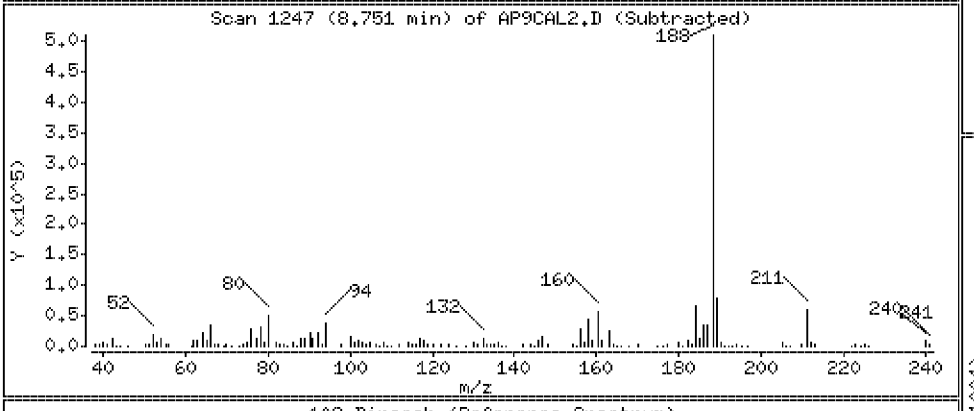
Column diameter: 0.25

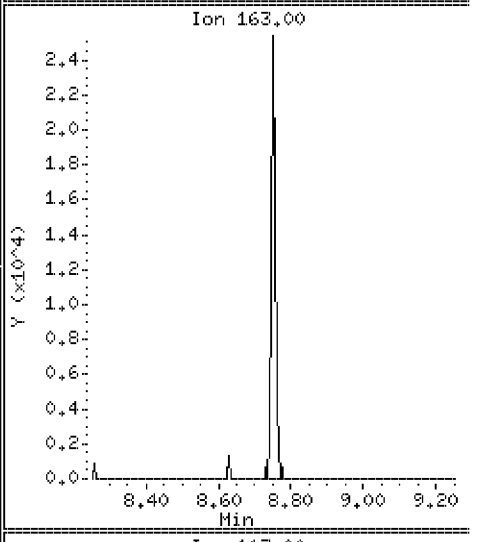
102 Dinoseb

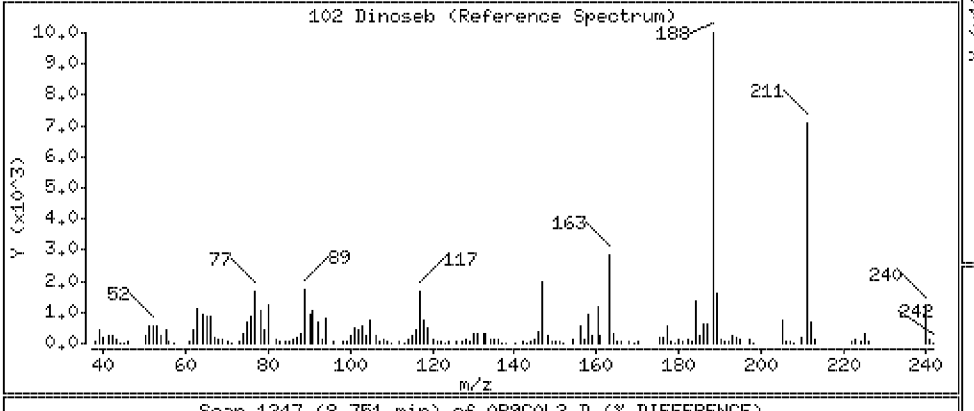
Concentration: 9.8 ug/l

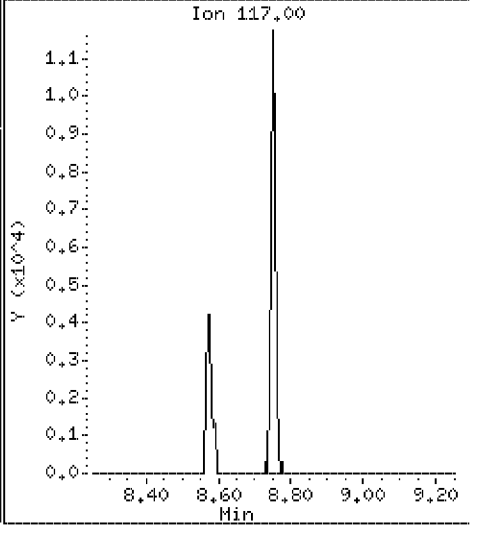


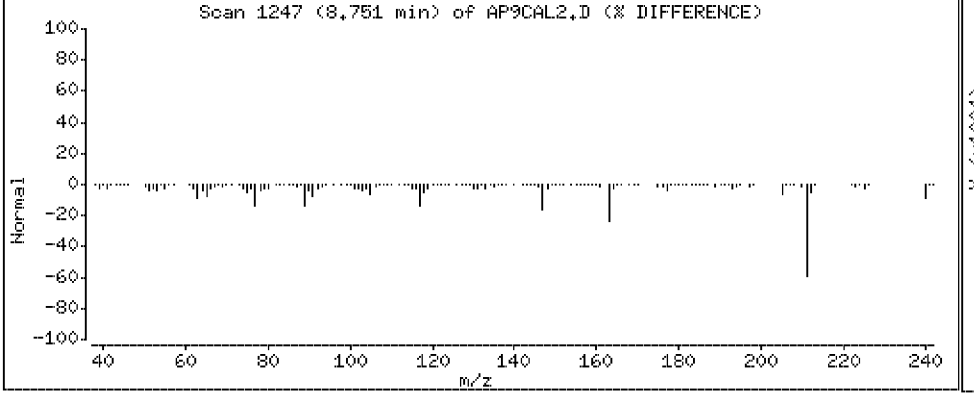












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

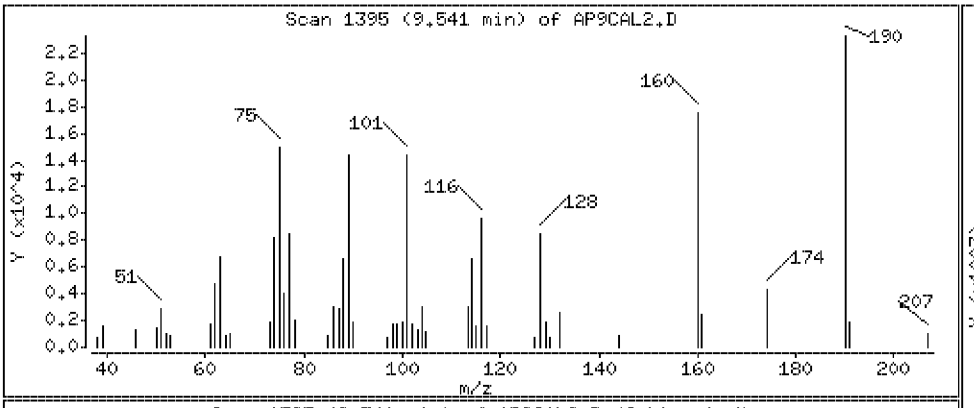
Operator: MJ

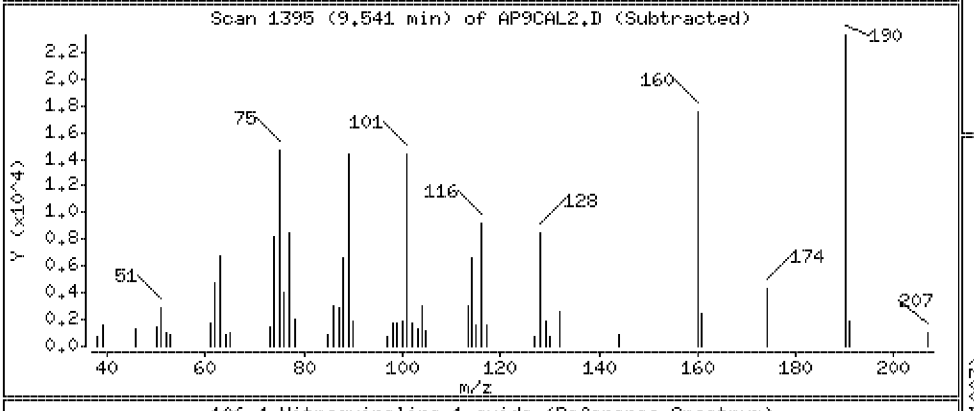
Column phase: HPMS-5

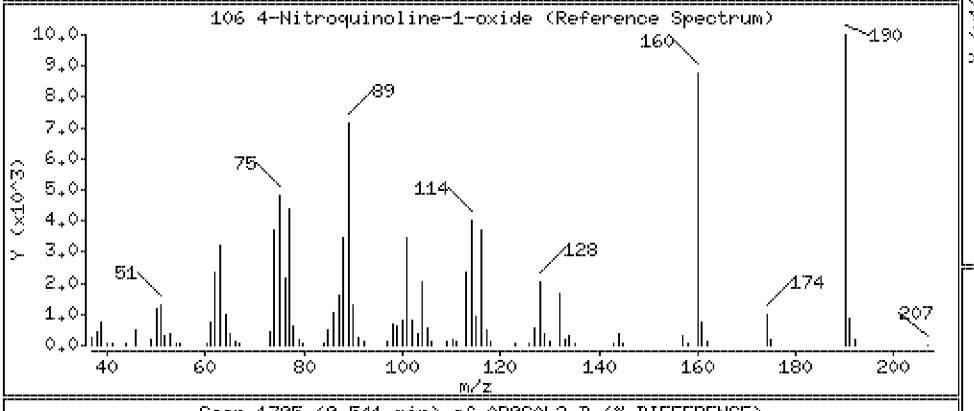
Column diameter: 0.25

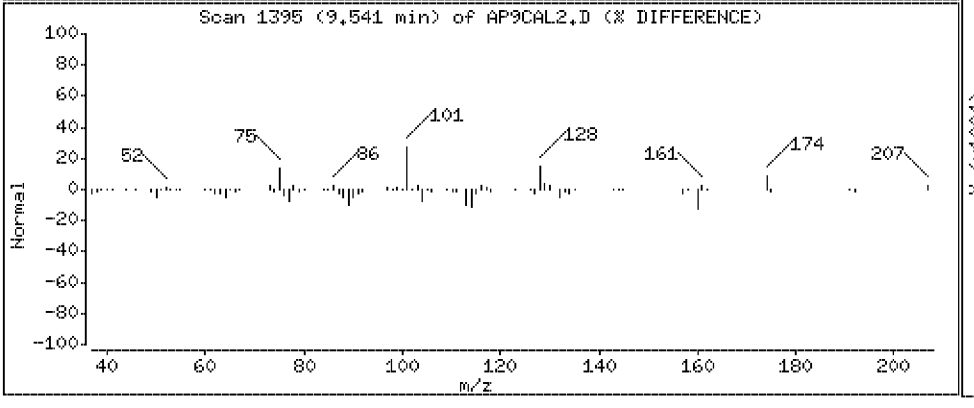
106 4-Nitroquinoline-1-oxide

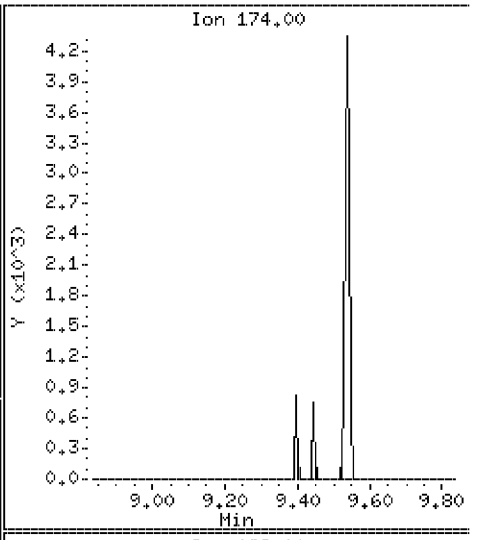
Concentration: 10.1 ug/l

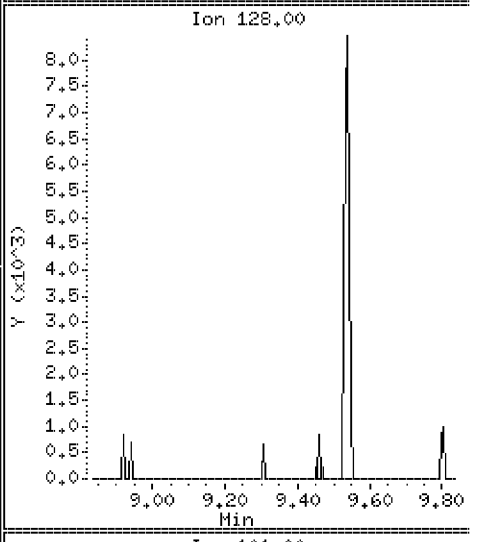


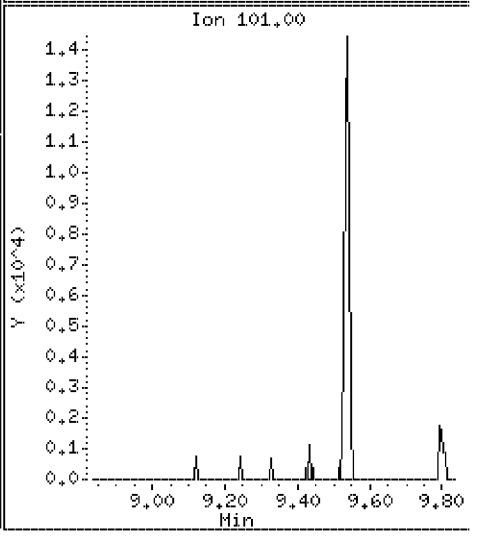












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

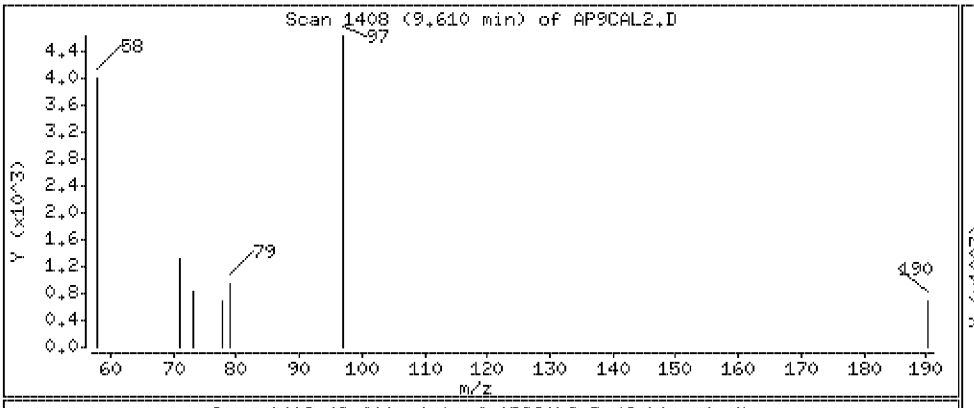
Operator: MJ

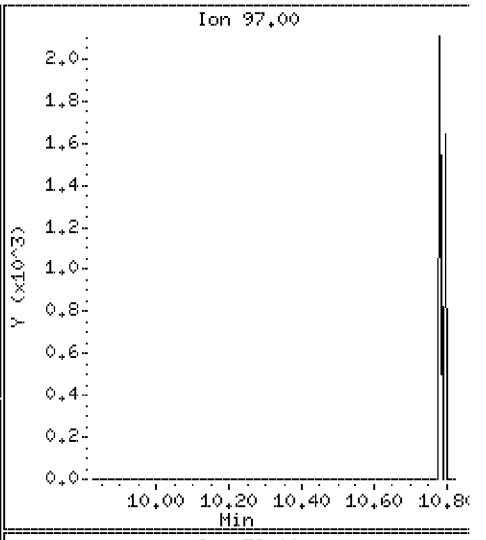
Column phase: HPMS-5

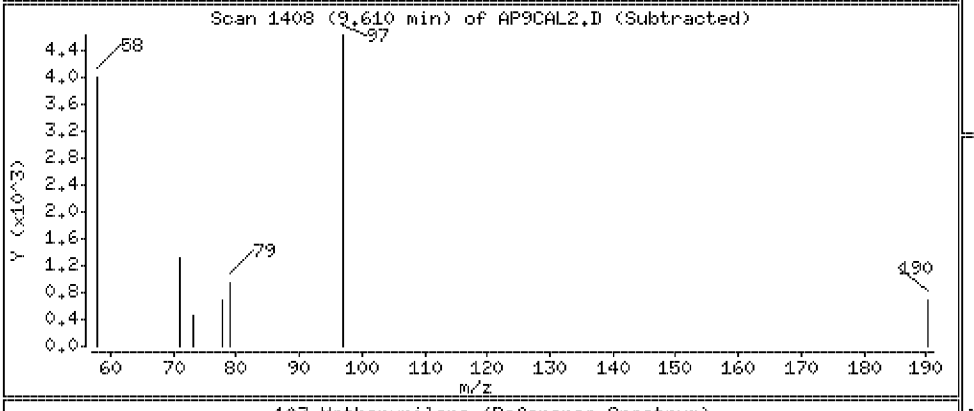
Column diameter: 0.25

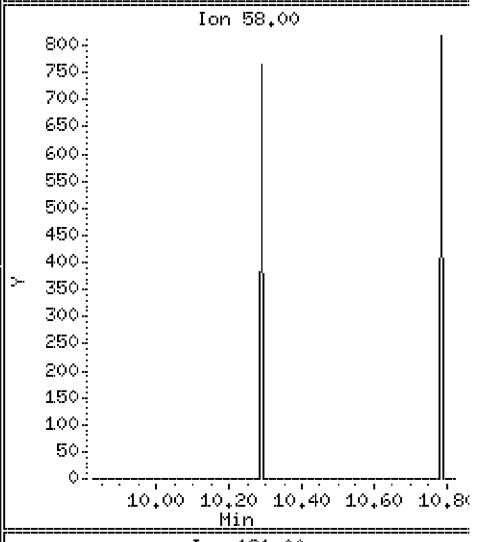
107 Methapyrilene

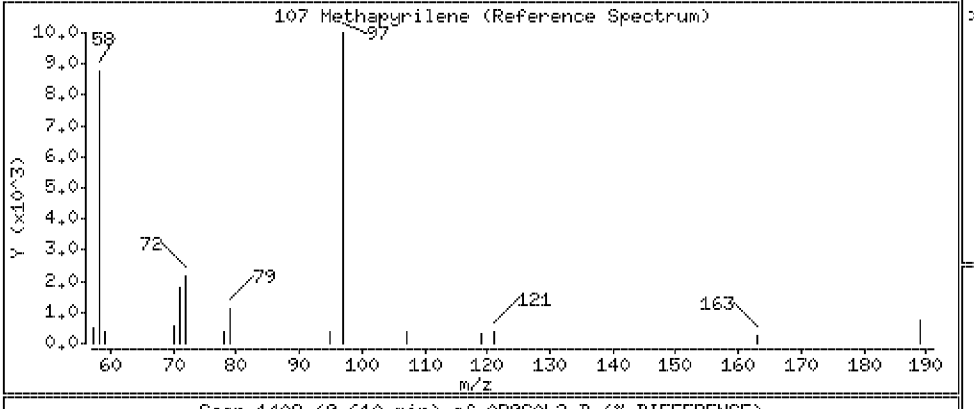
Concentration: 8.5 ug/l

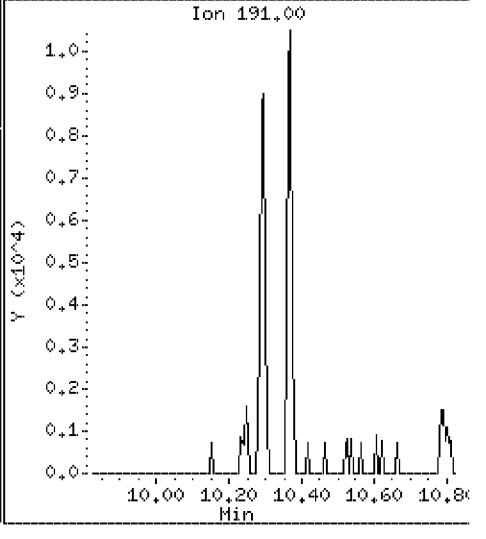


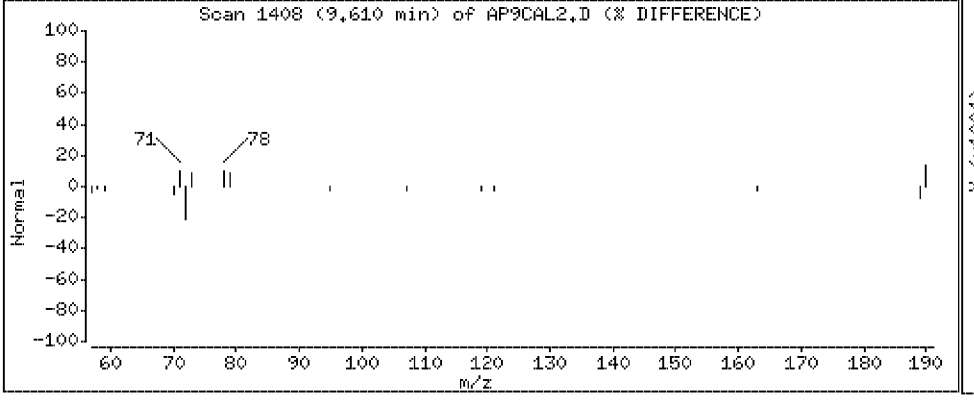












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

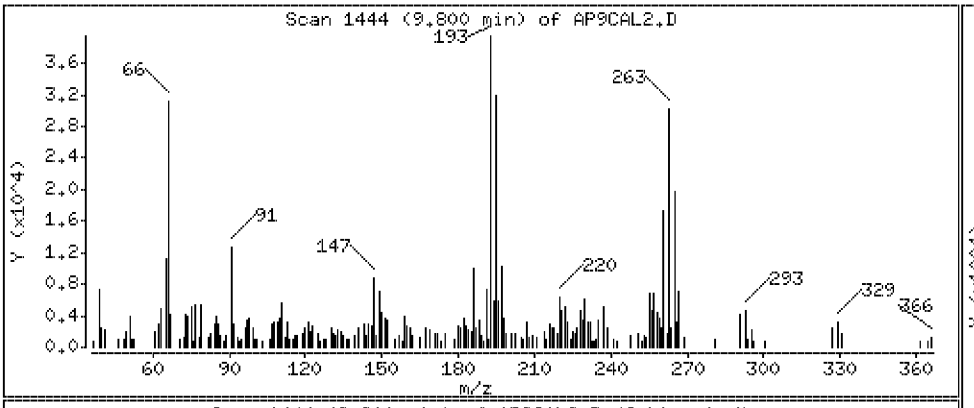
Operator: MJ

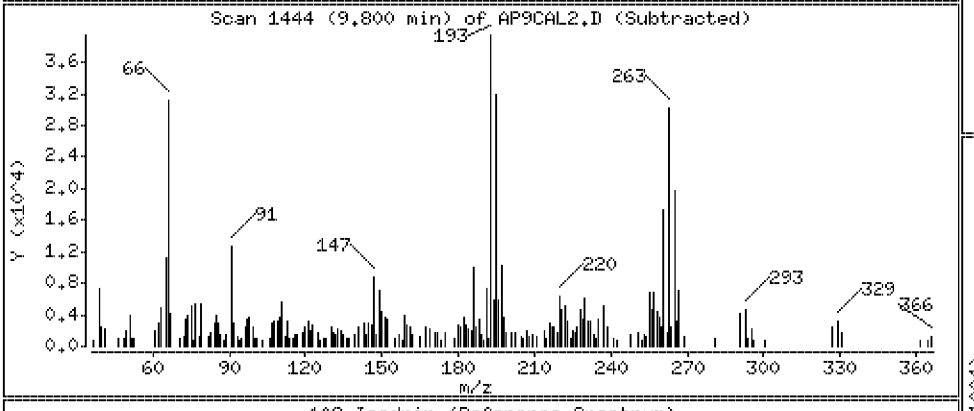
Column phase: HPMS-5

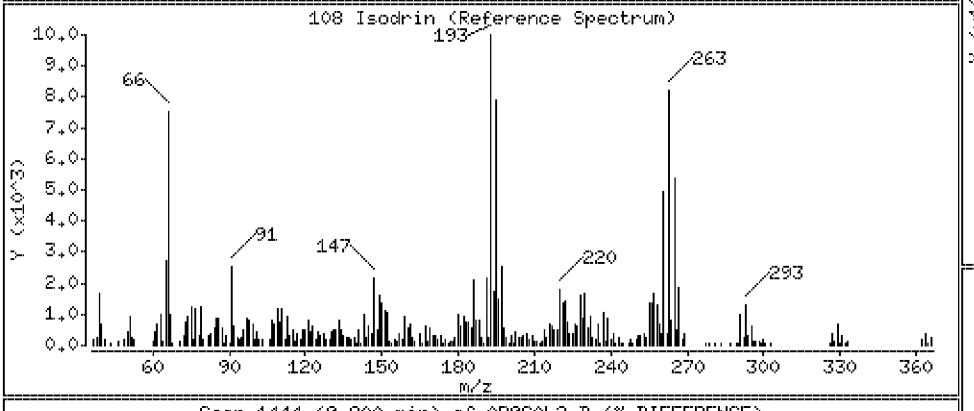
Column diameter: 0.25

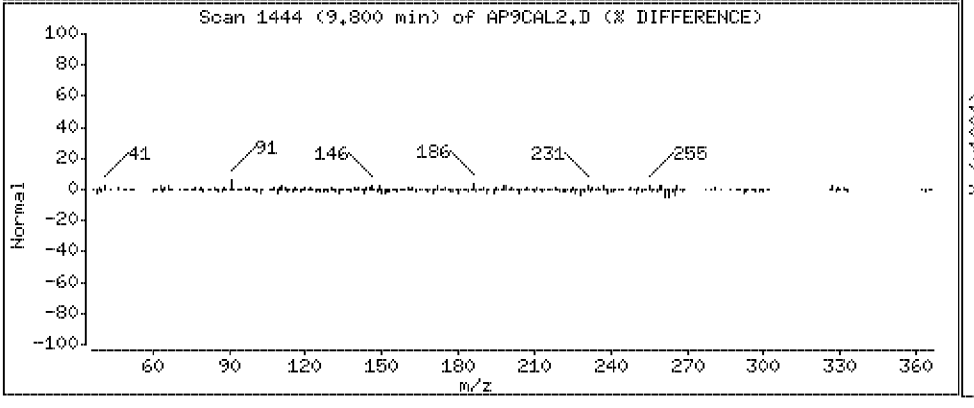
108 Isodrin

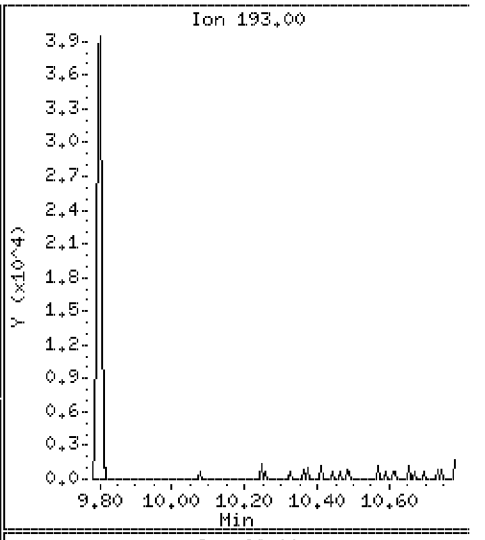
Concentration: 9.6 ug/l

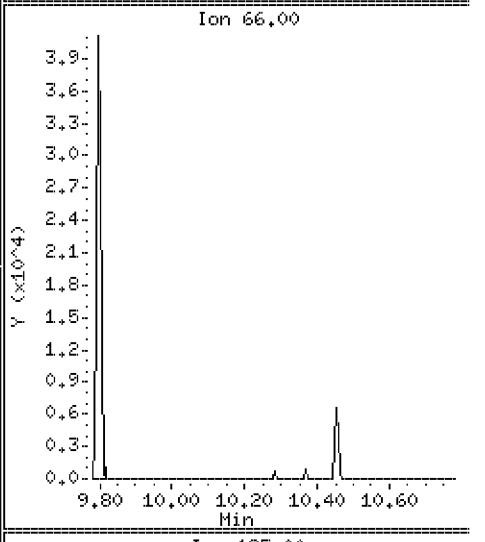


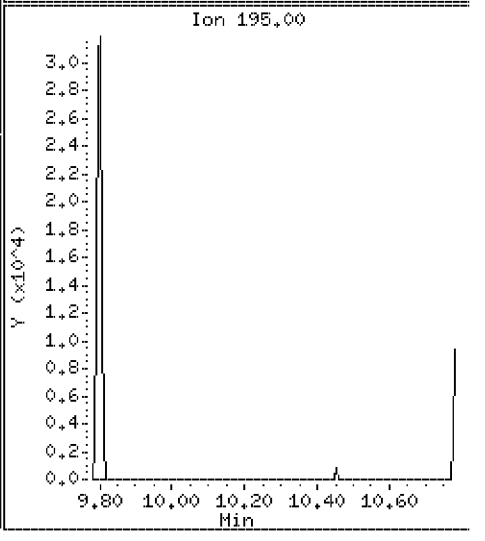












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

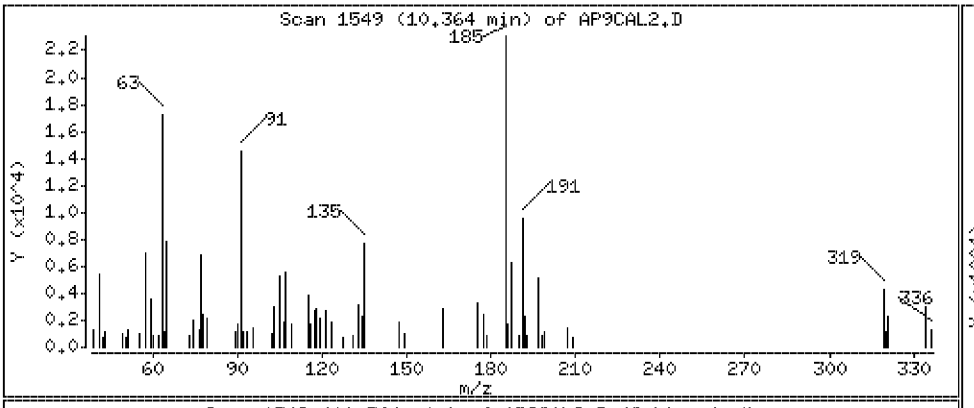
Operator: MJ

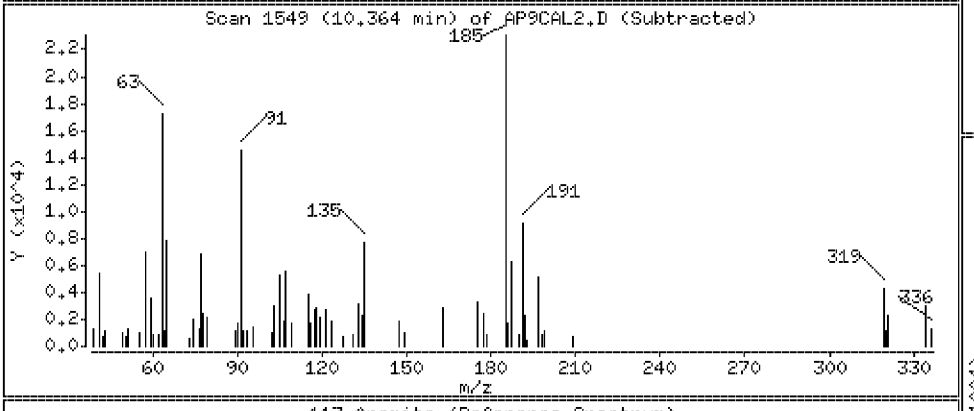
Column phase: HPMS-5

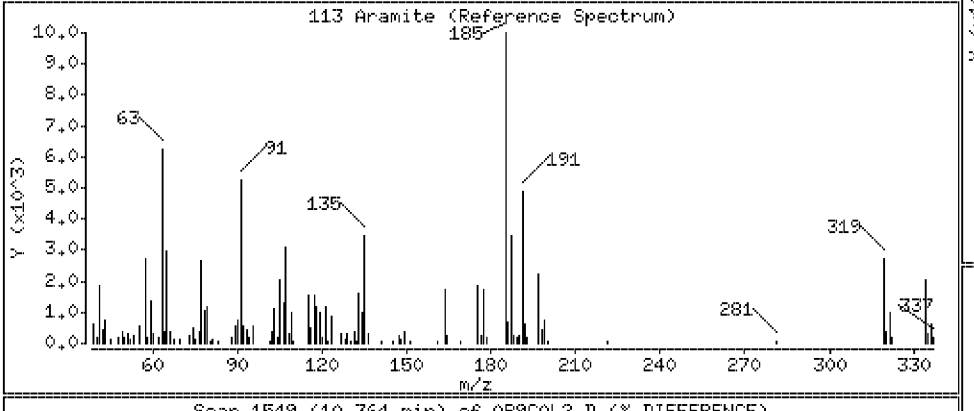
Column diameter: 0.25

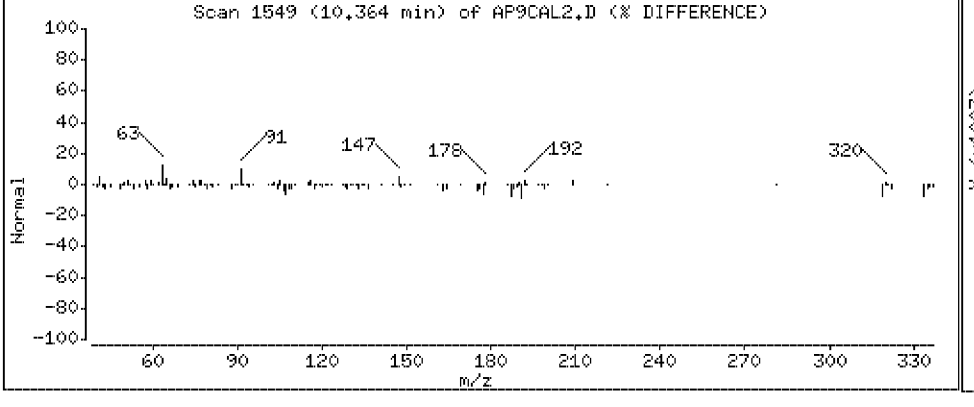
113 Aramite

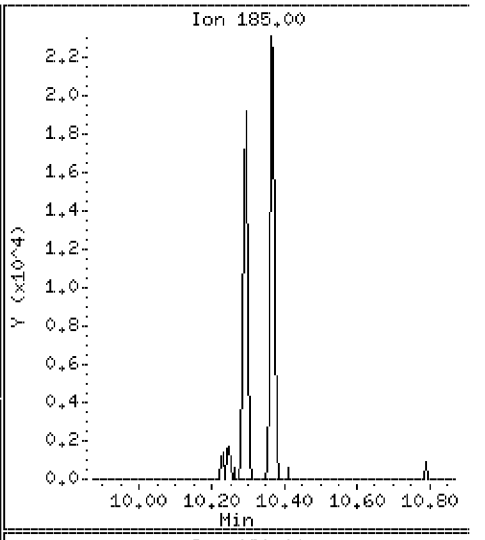
Concentration: 9.5 ug/l

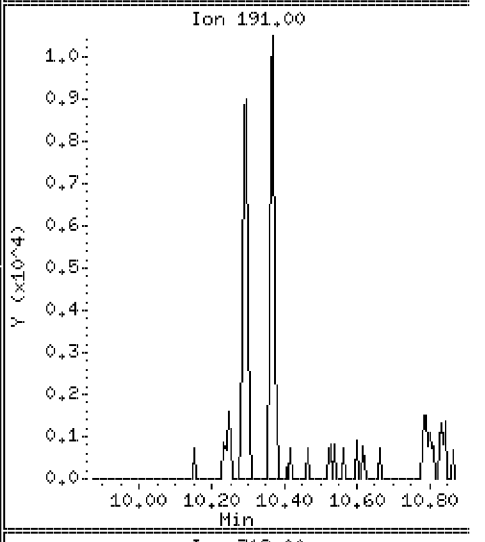


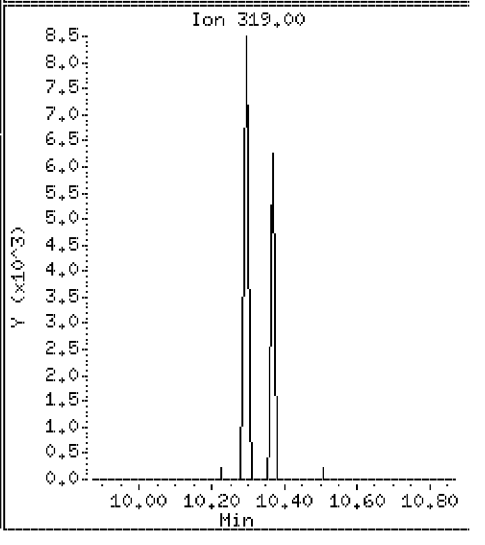












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

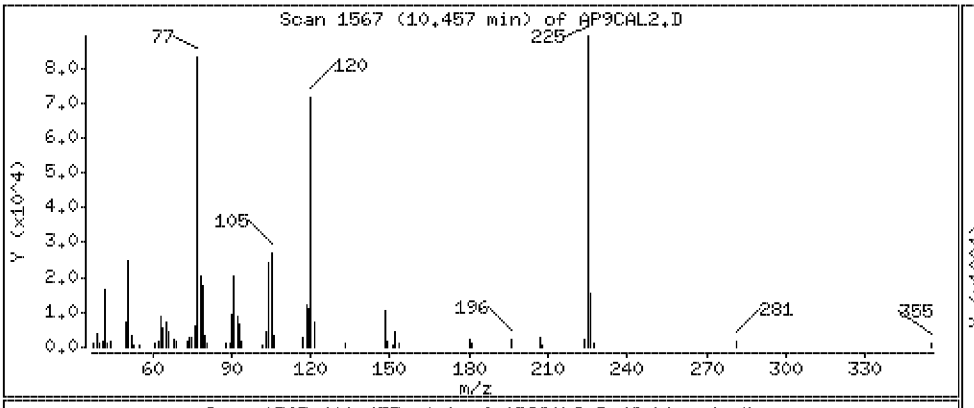
Operator: MJ

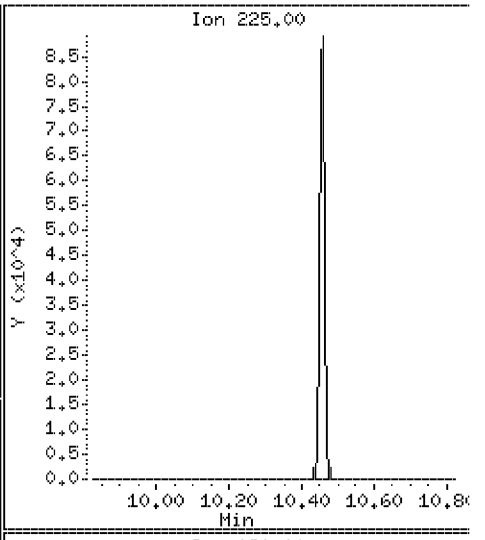
Column phase: HPMS-5

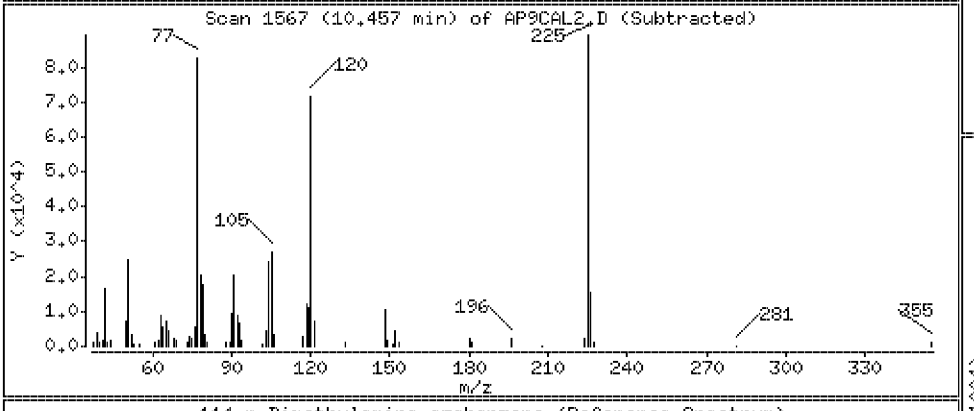
Column diameter: 0.25

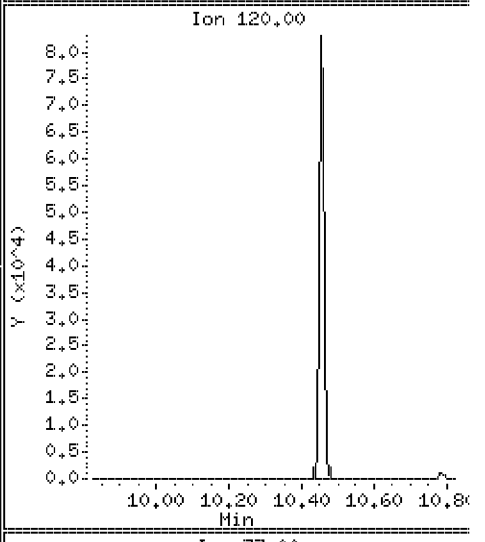
114 p-Dimethylamino azobenzene

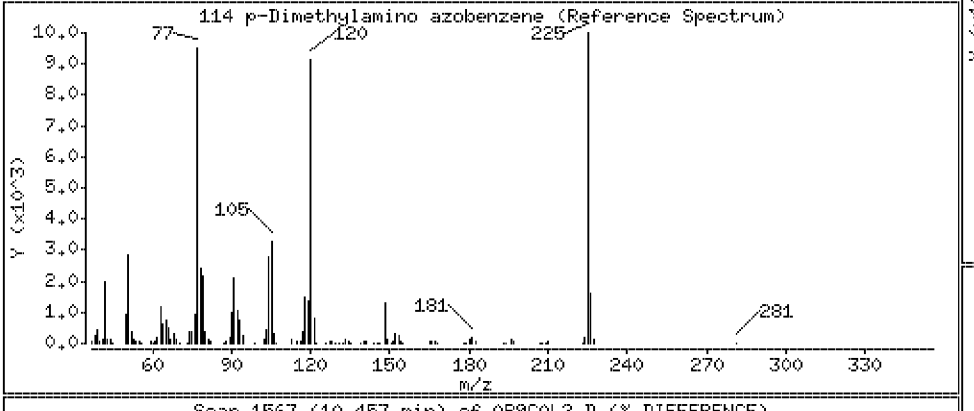
Concentration: 8.8 ug/l

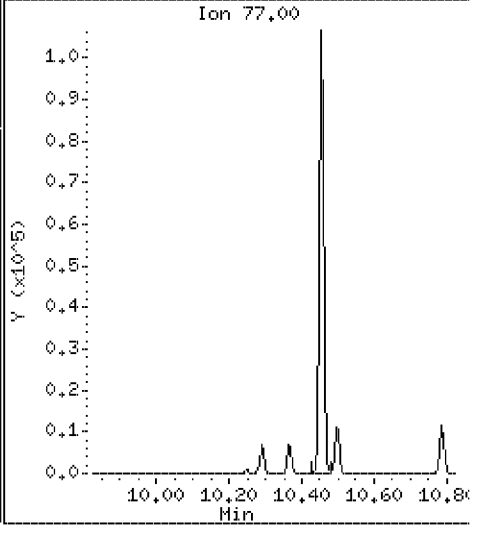


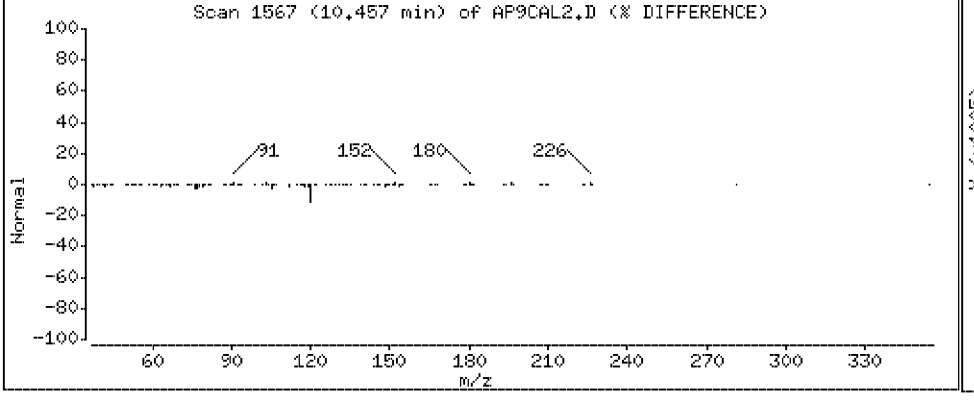












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

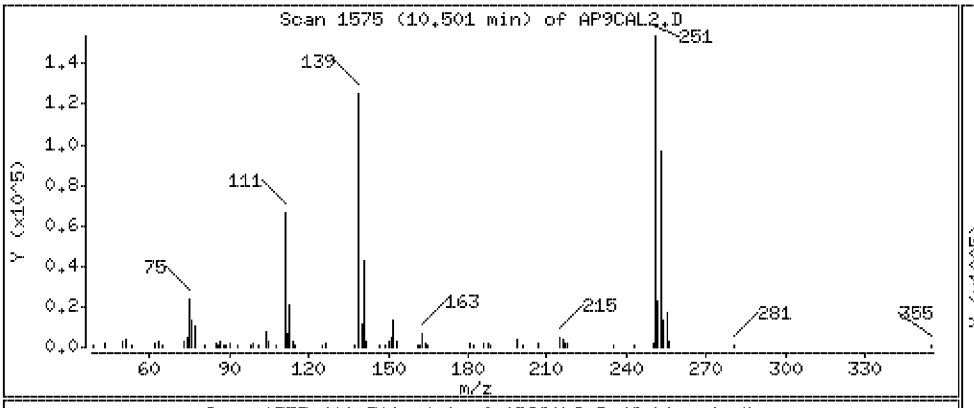
Operator: MJ

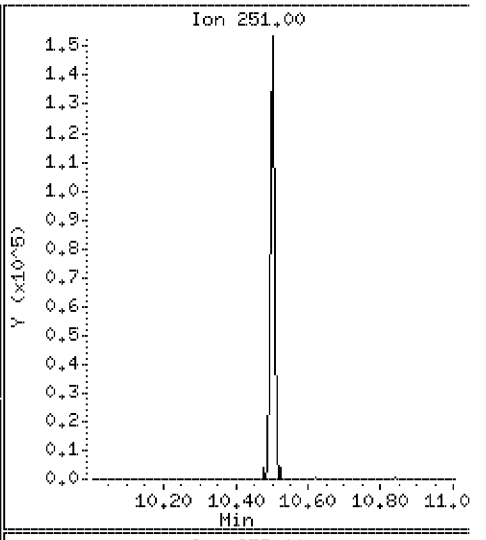
Column phase: HPMS-5

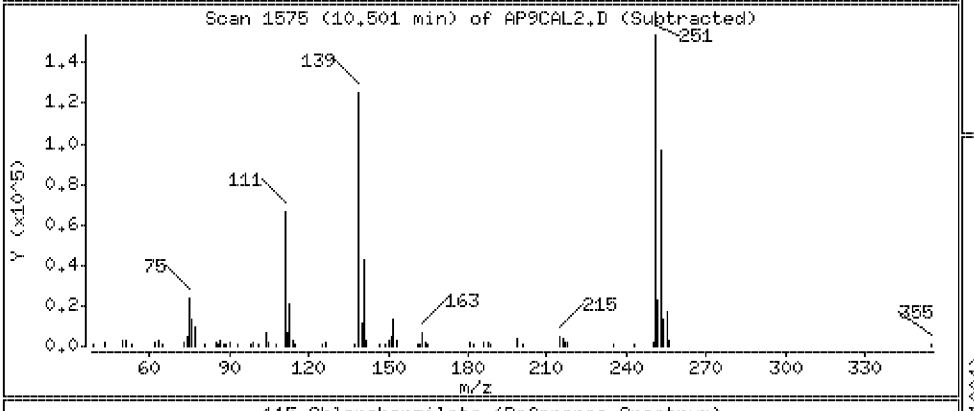
Column diameter: 0.25

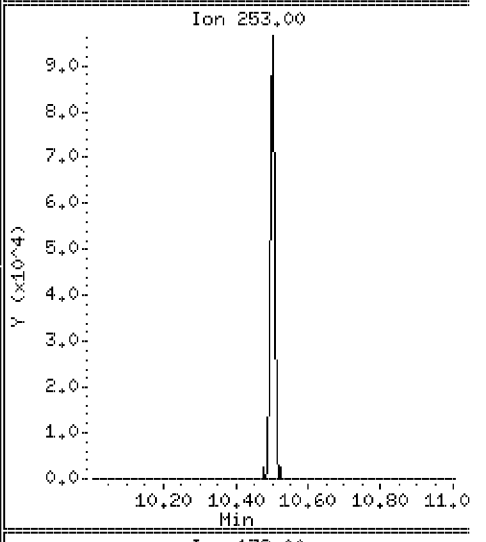
115 Chlorobenzilate

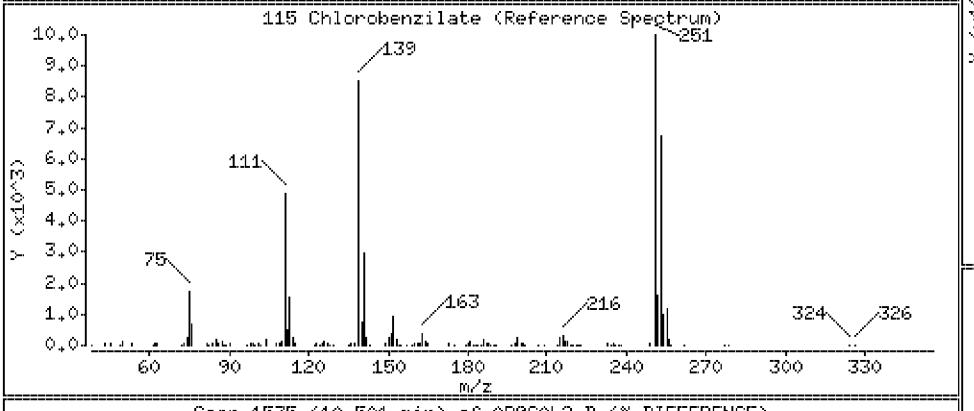
Concentration: 8.6 ug/l

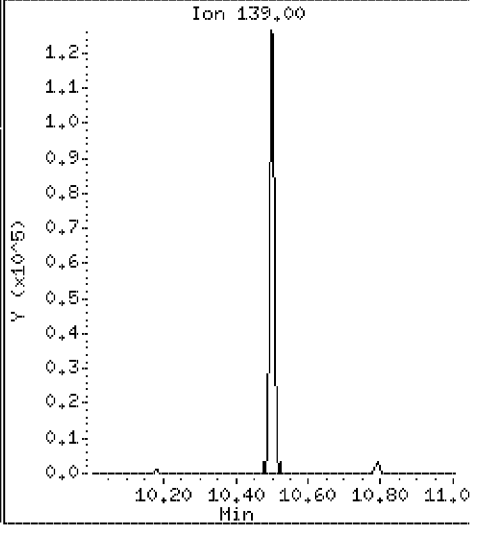


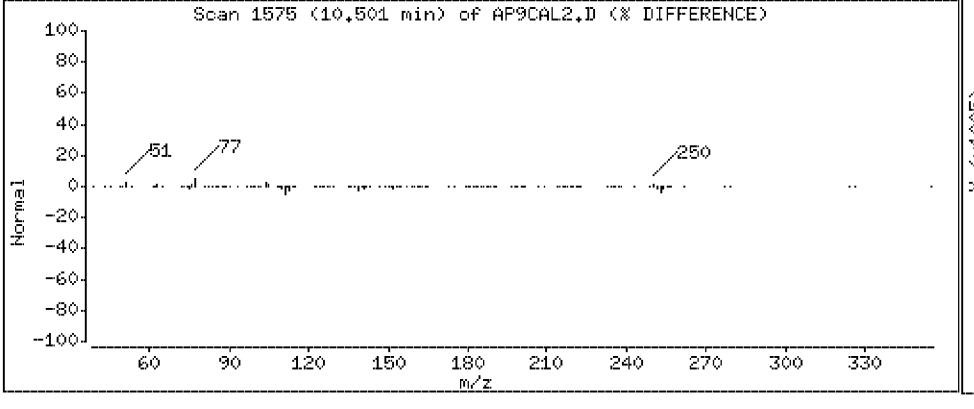












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

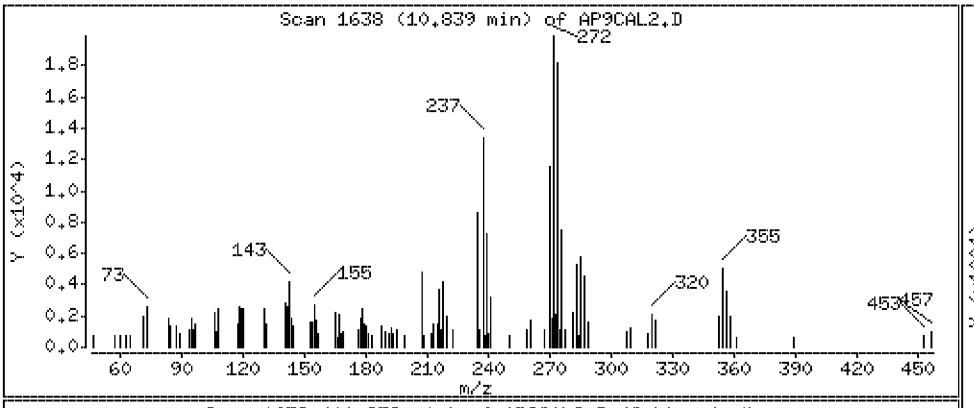
Operator: MJ

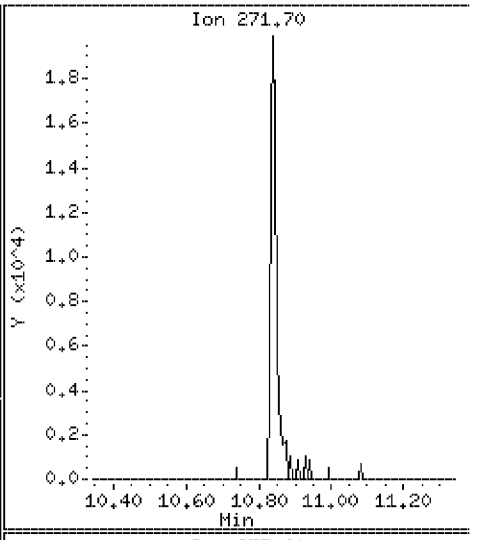
Column phase: HPMS-5

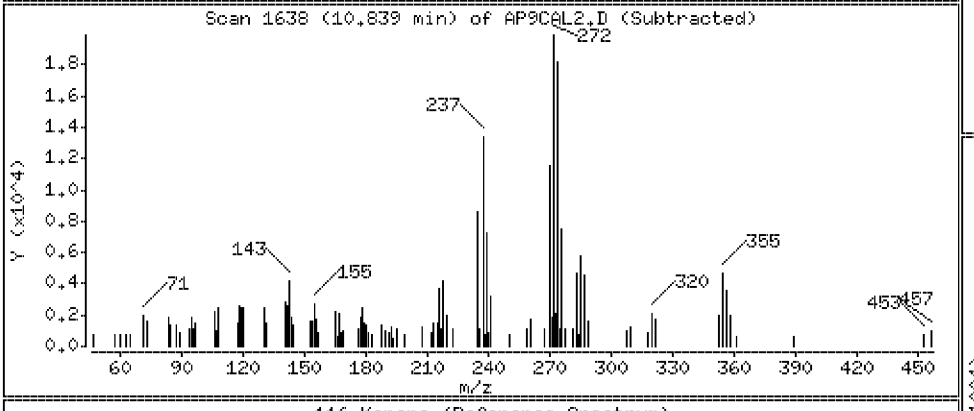
Column diameter: 0.25

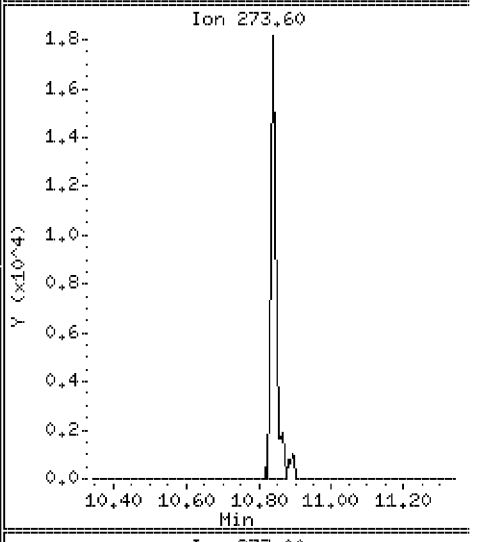
116 Kepone

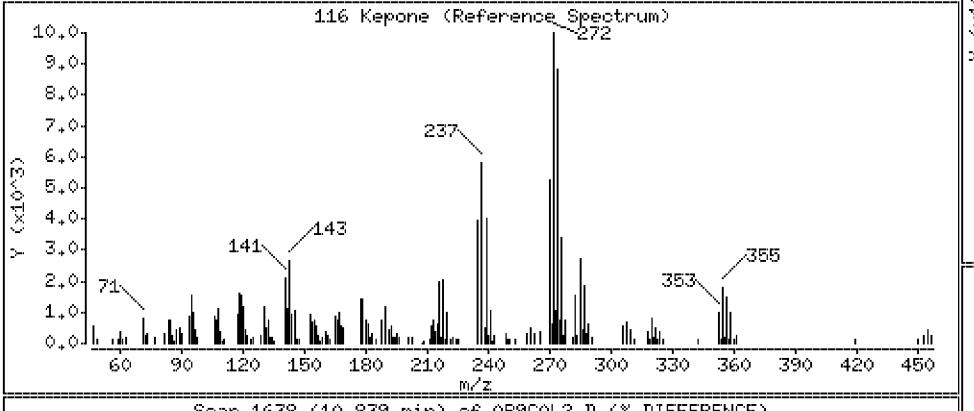
Concentration: 9.9 ug/l

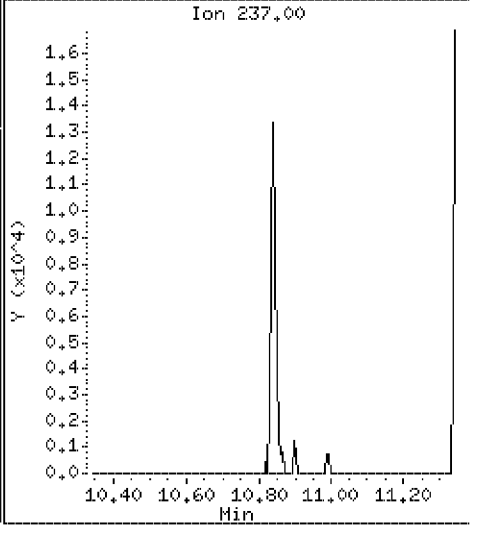


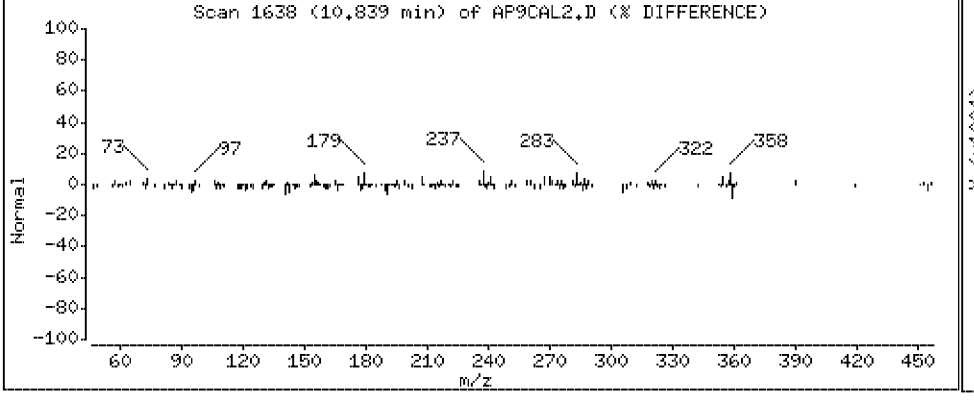












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

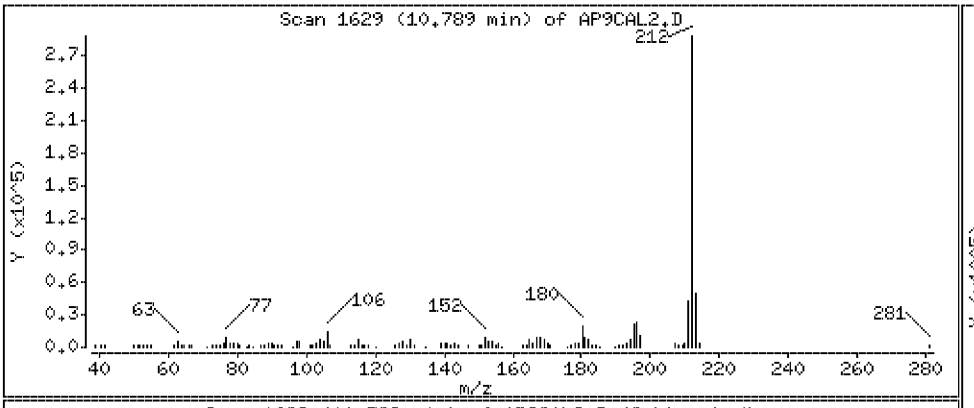
Operator: MJ

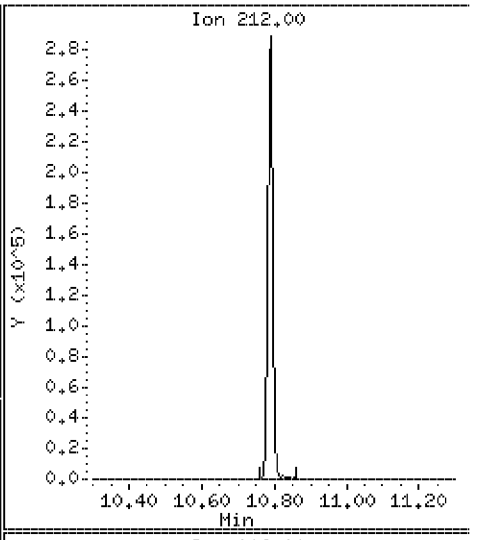
Column phase: HPMS-5

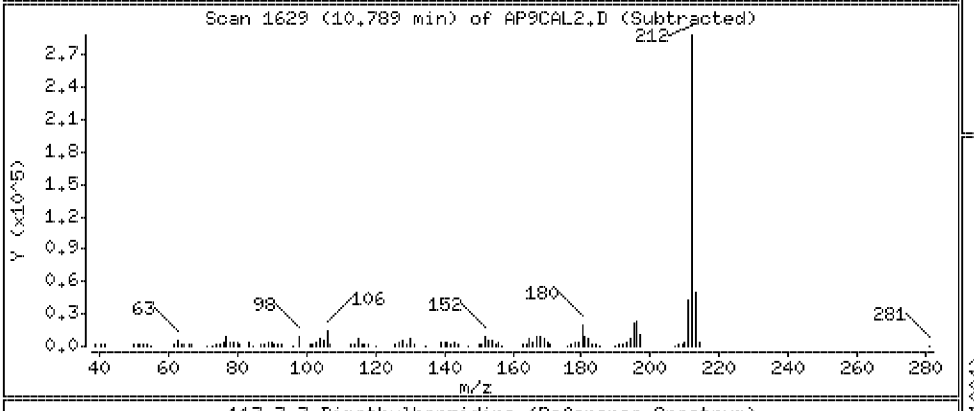
Column diameter: 0.25

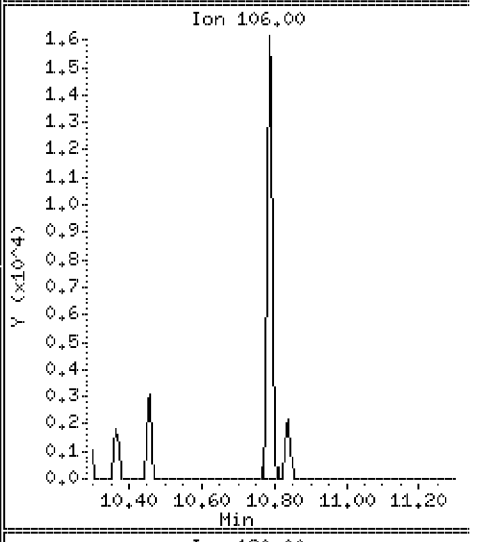
117 3,3-Dimethylbenzidine

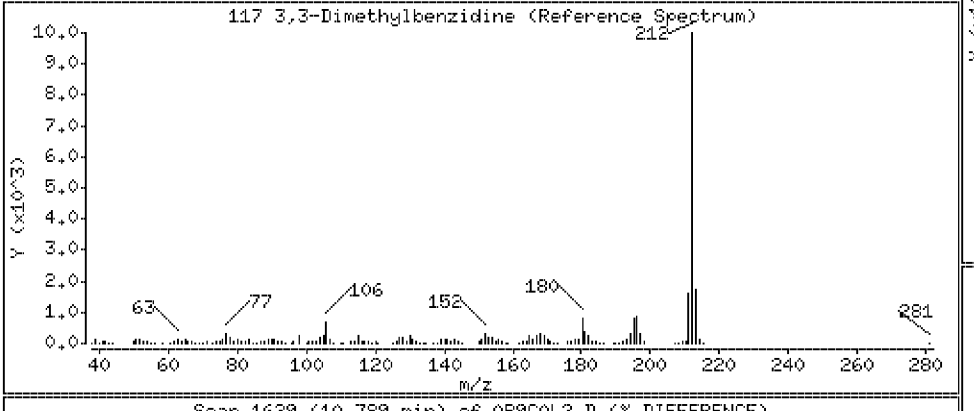
Concentration: 9.8 ug/l

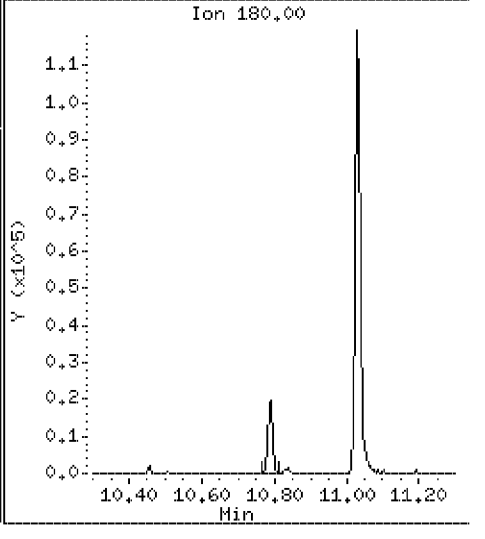


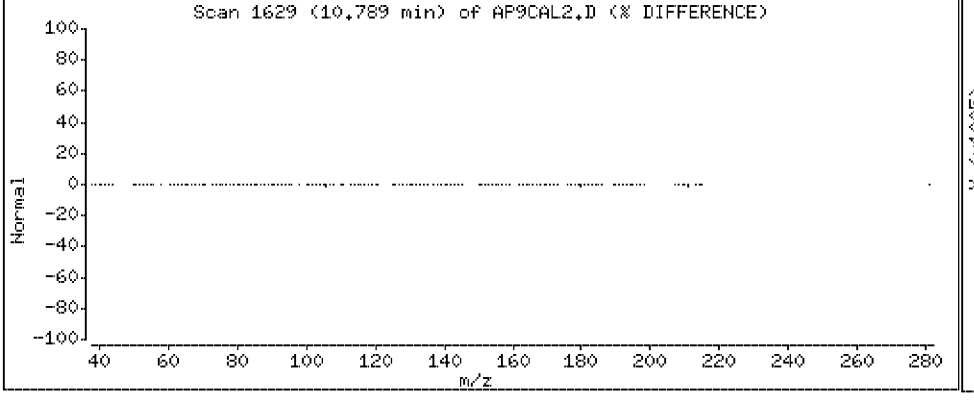












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

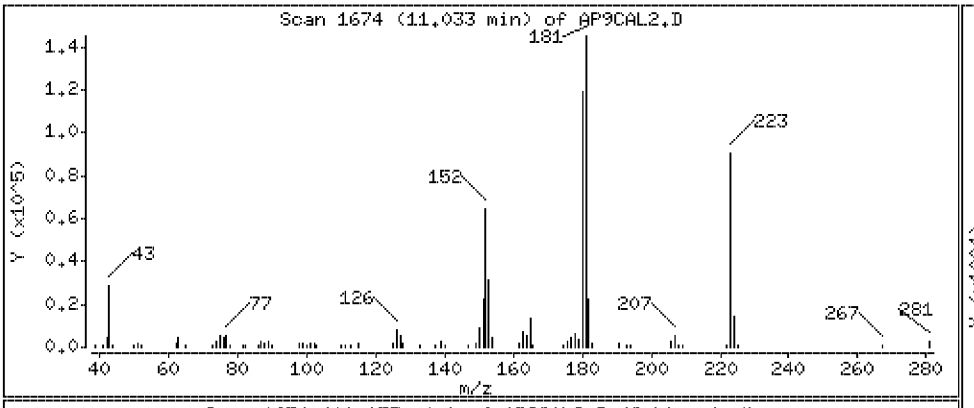
Operator: MJ

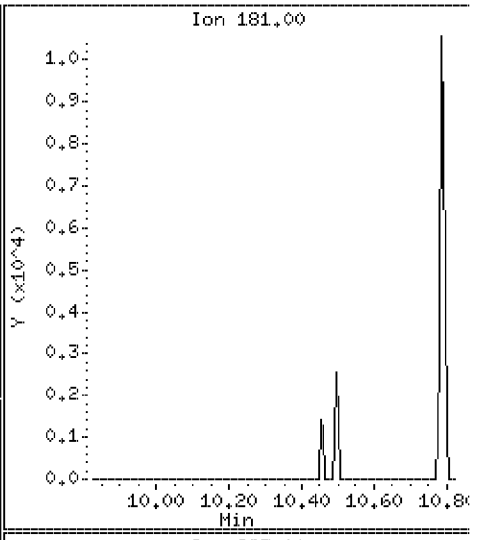
Column phase: HPMS-5

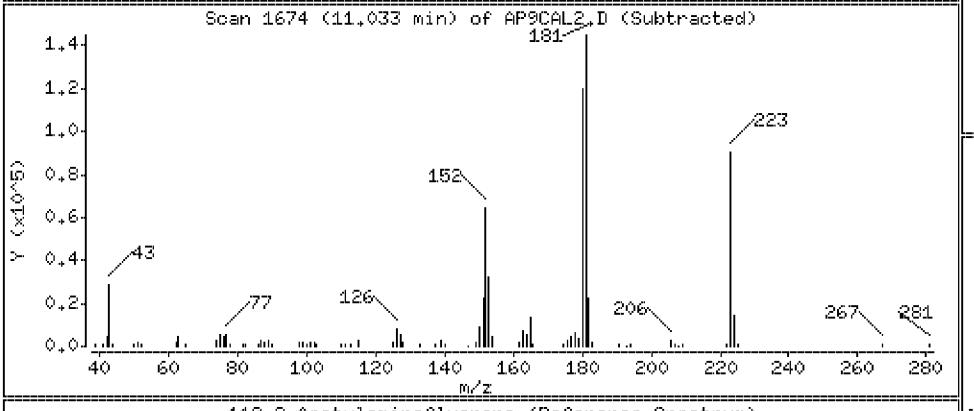
Column diameter: 0.25

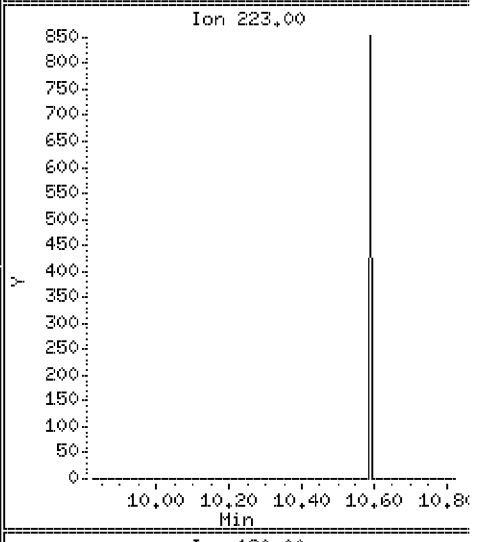
119 2-Acetylaminofluorene

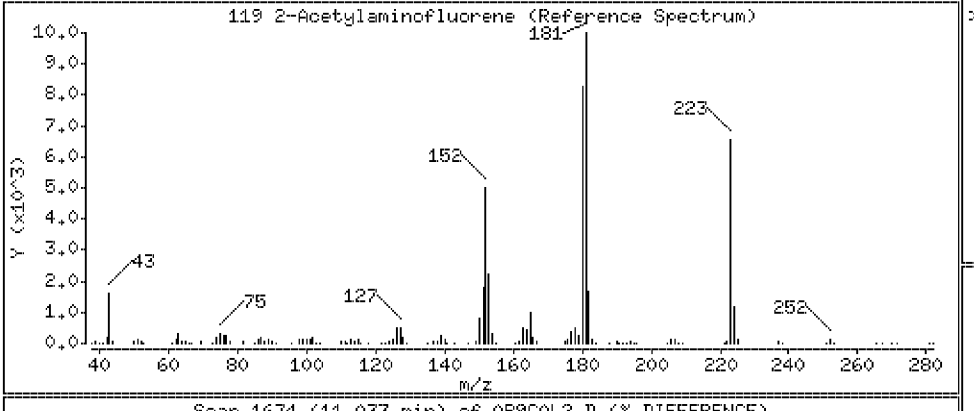
Concentration: 8.6 ug/l

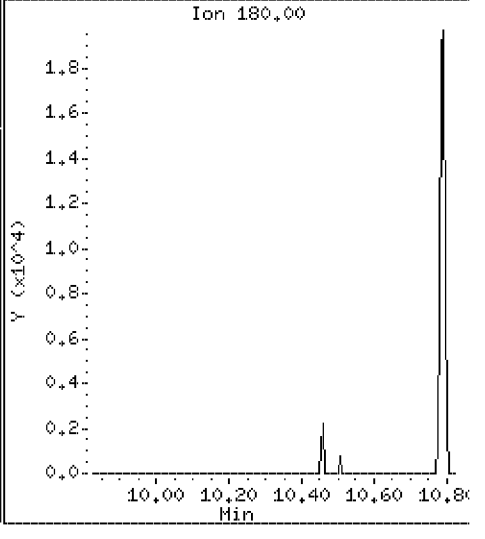


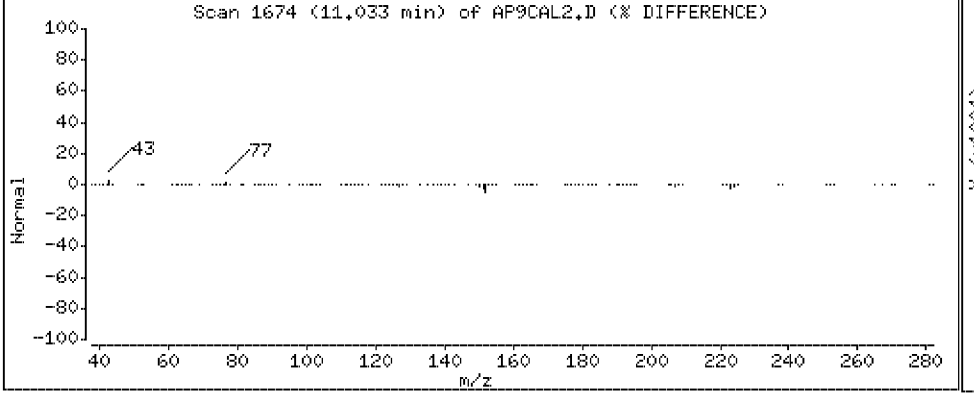












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

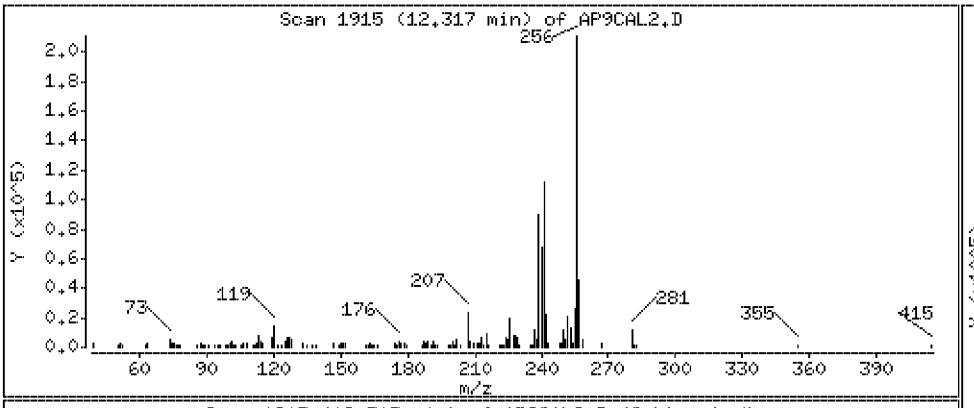
Operator: MJ

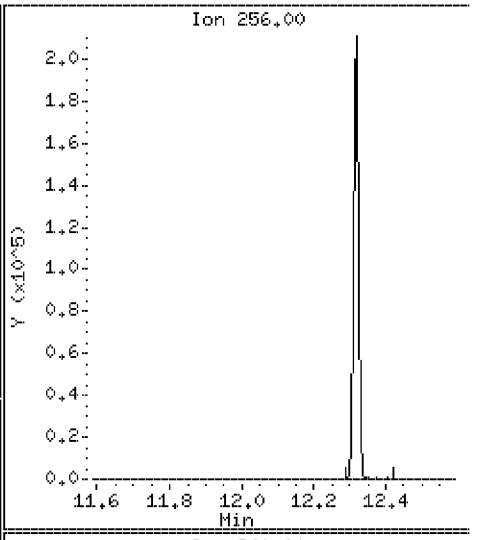
Column phase: HPMS-5

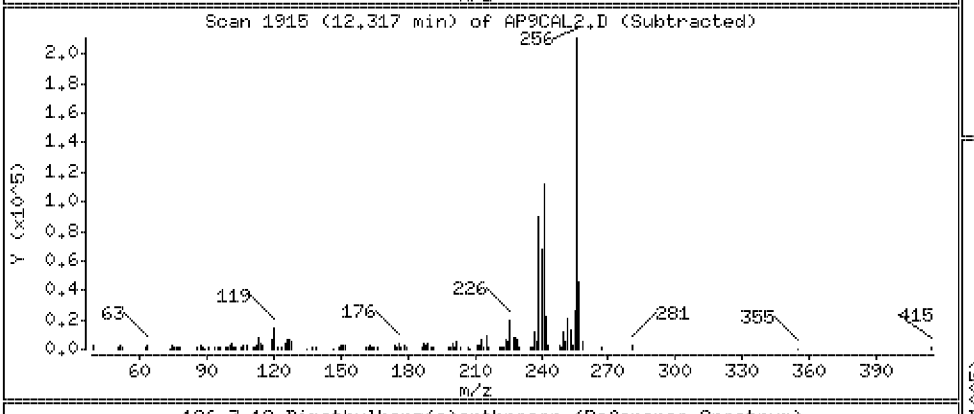
Column diameter: 0.25

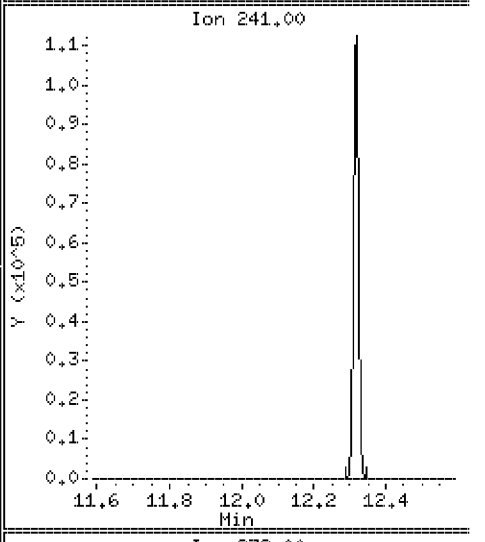
126 7,12-Dimethylbenz(a)anthracen

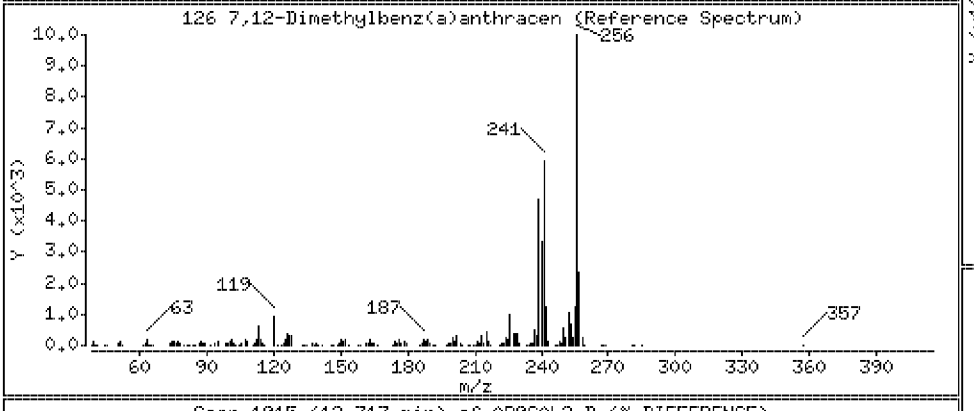
Concentration: 8.8 ug/l

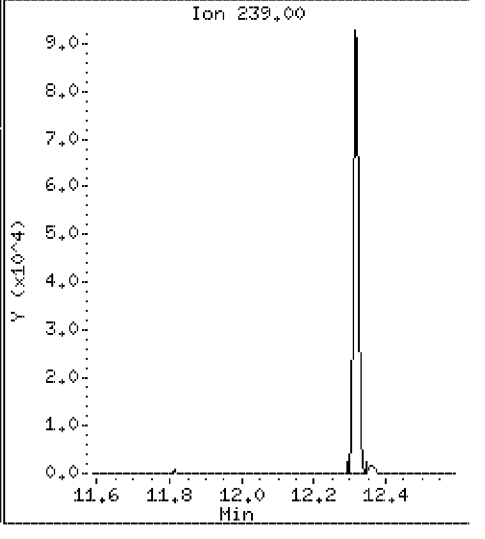


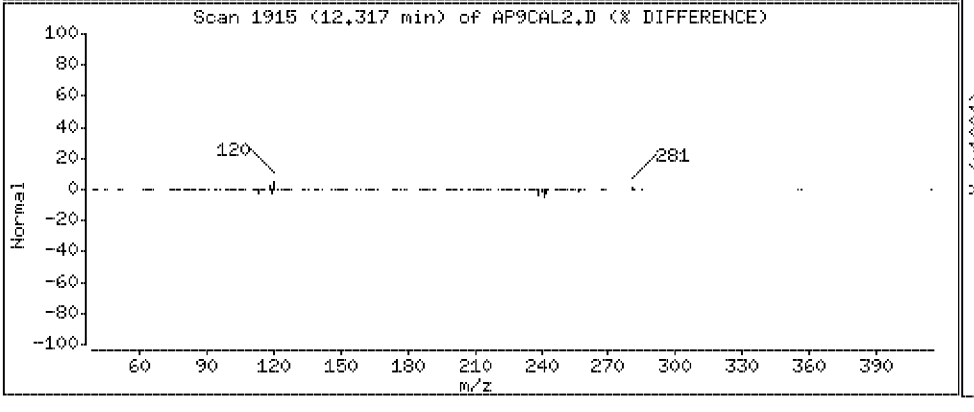












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

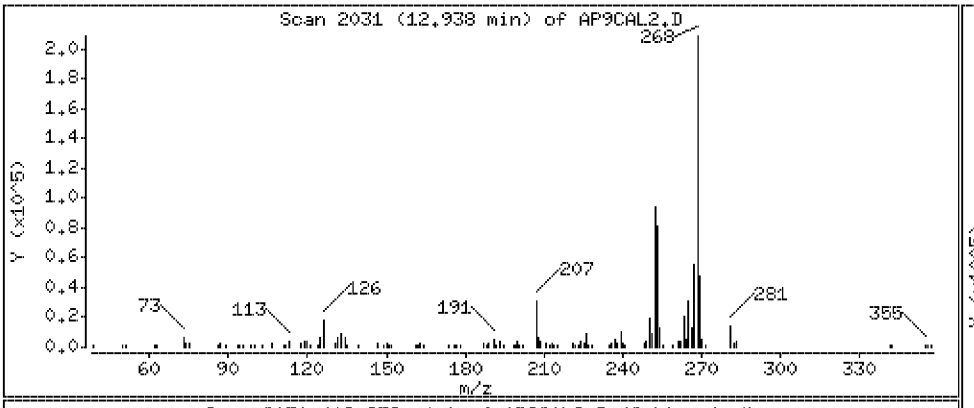
Operator: MJ

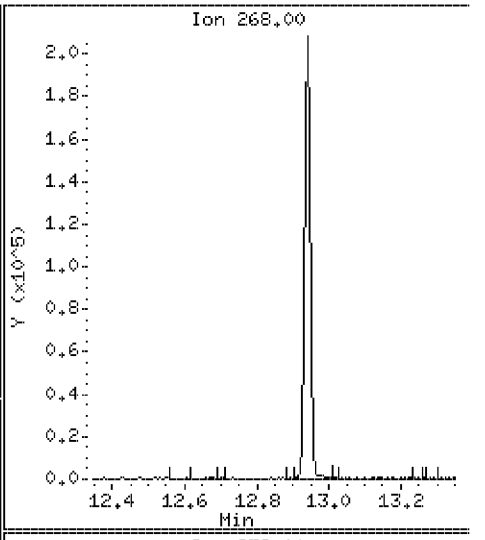
Column phase: HPMS-5

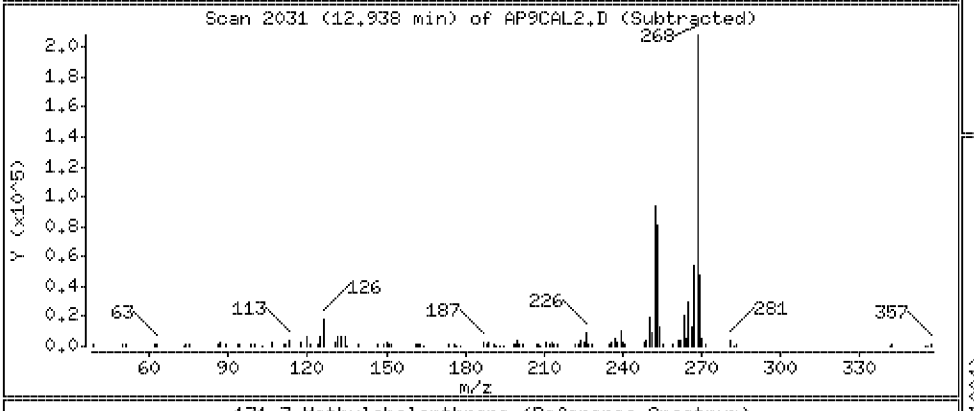
Column diameter: 0.25

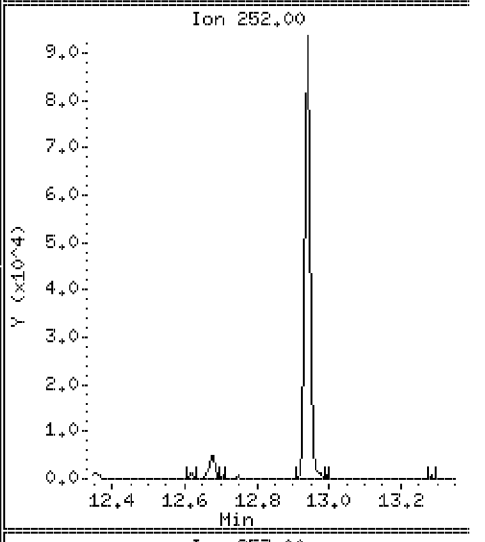
131 3-Methylcholanthrene

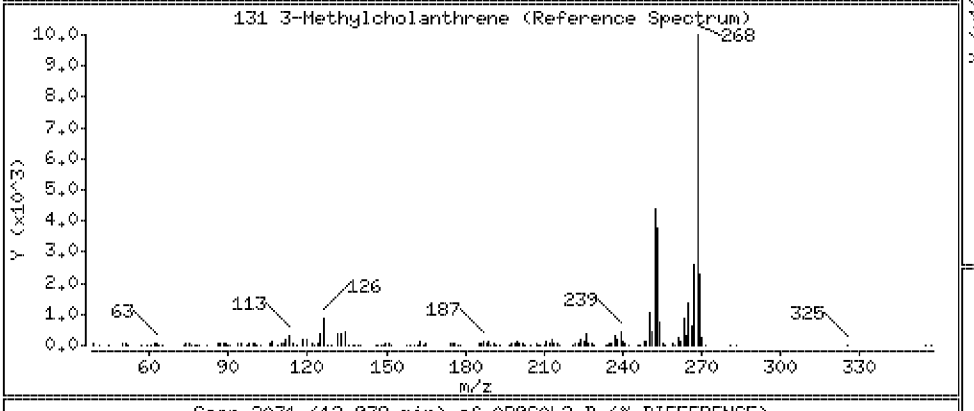
Concentration: 9.0 ug/l

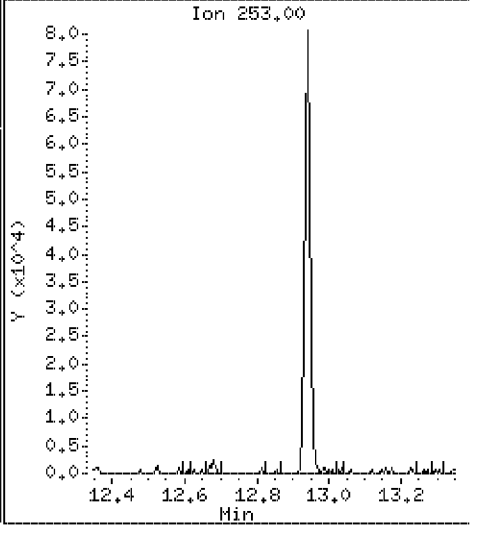


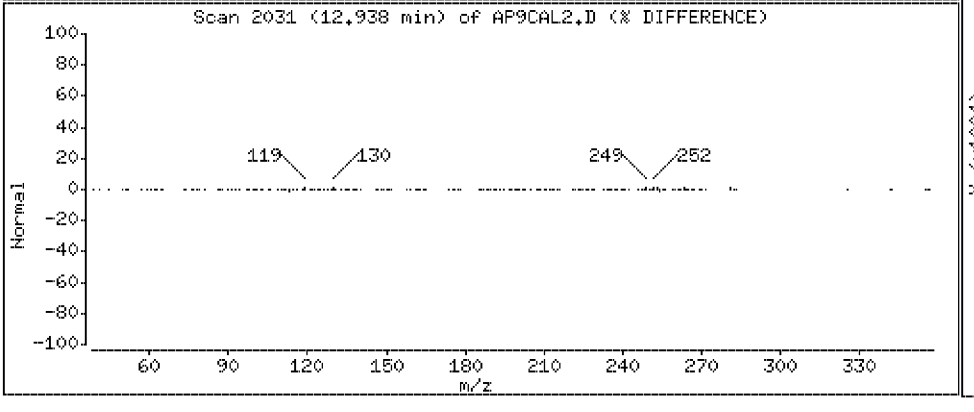












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL2.D

Date : 23-APR-2012 19:04

Client ID: AP9CAL2

Instrument: smsd03.i

Sample Info: 45960

Purge Volume: 1000.0

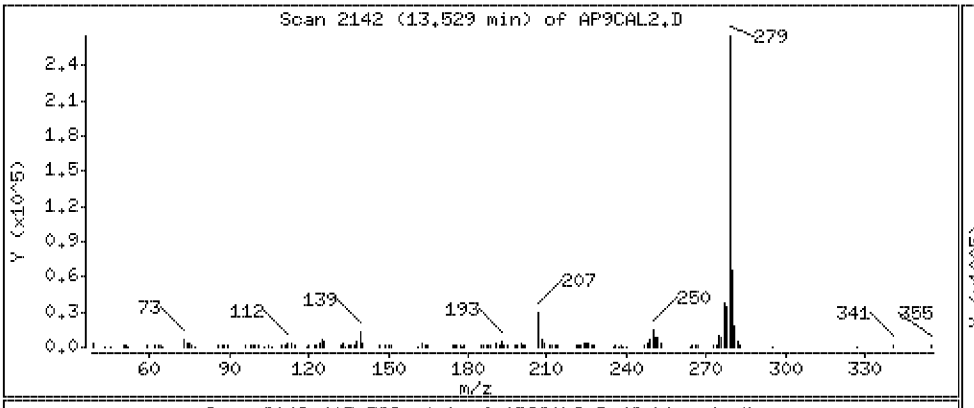
Operator: MJ

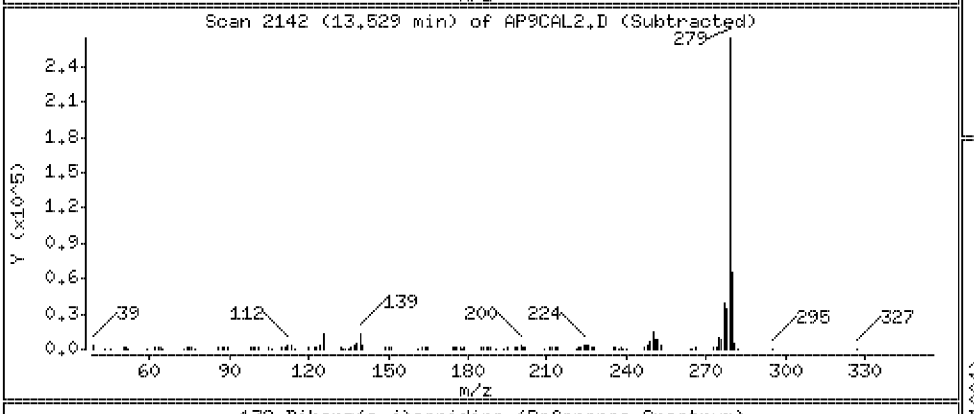
Column phase: HPMS-5

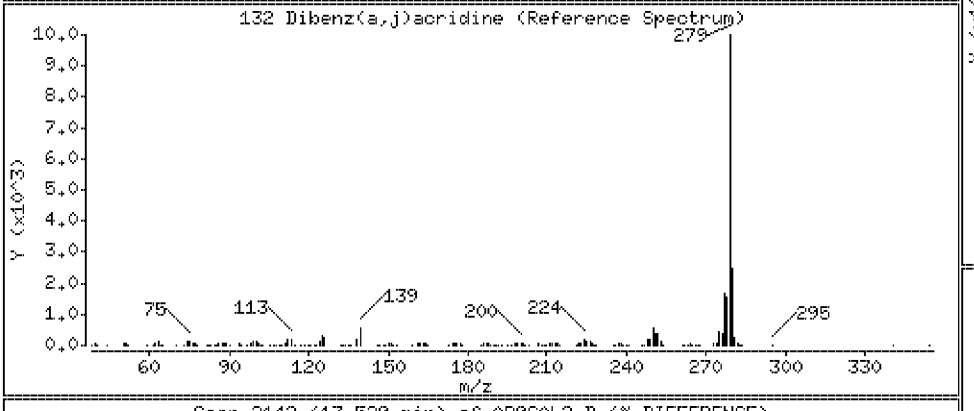
Column diameter: 0.25

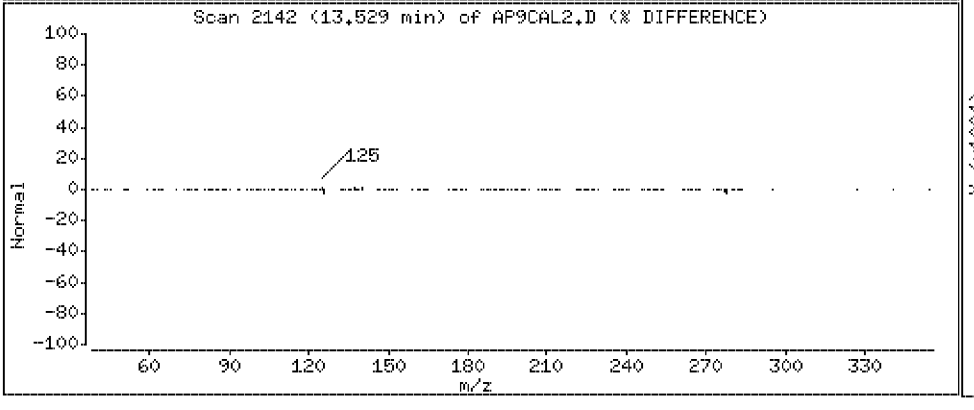
132 Dibenz(a,j)acridine

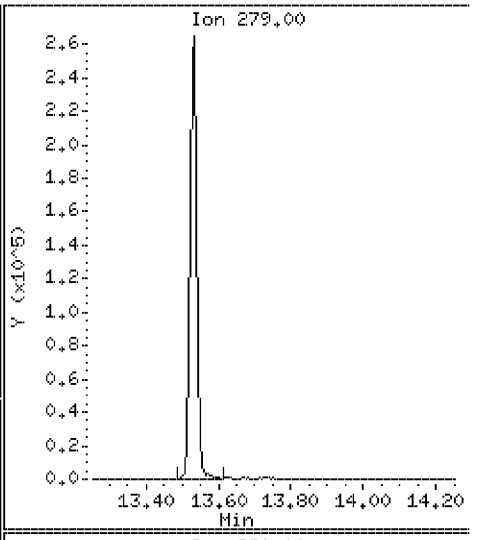
Concentration: 9.4 ug/l

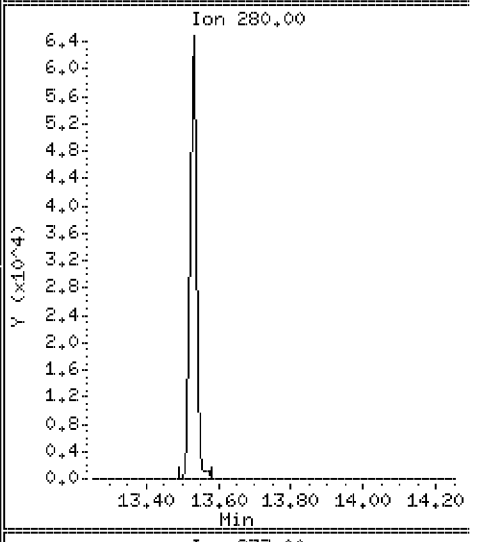


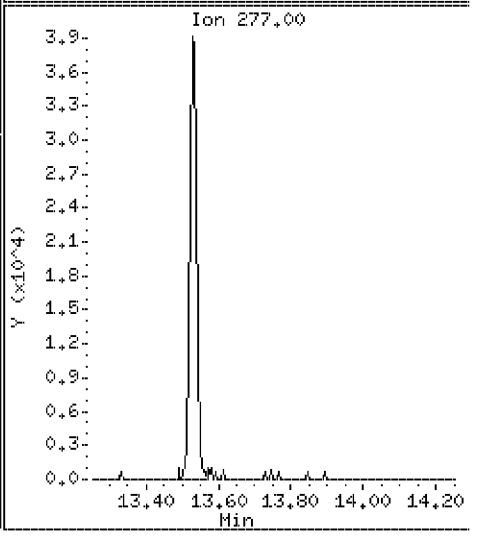












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D
Lab Smp Id: 45961 Client Smp ID: AP9CAL1
Inj Date : 23-APR-2012 19:28 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45961
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 17:53 Cal File: AP9CAL5.D
Als bottle: 24 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.943	3.382 (0.662)		93	38755	4.00000	3.9	70.00- 130.00	100.00
2.943	3.382 (0.662)		66	19025			46.98- 106.98	49.09
2.944	3.382 (0.662)		92	8740			941.44-1001.44	22.55
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.005	3.005 (0.676)		88	15407	4.00000	3.6	80.00- 120.00	100.00
3.010	3.005 (0.677)		43	7759			16.66- 76.66	50.36
3.010	3.005 (0.677)		42	17564			75.28- 135.28	114.00
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.240	3.383 (0.729)		80	27725	4.00000	4.0	70.00- 130.00	100.00
3.240	3.383 (0.729)		79	16218			41.30- 101.30	58.50
3.240	3.383 (0.729)		65	7104			390.98- 450.98	25.62
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.554	3.383 (0.799)		102	14452	4.00000	3.5	70.00- 130.00	100.00
3.552	3.383 (0.799)		42	10406			4947.35-5007.35	72.00
3.554	3.383 (0.799)		57	6533			172953.97-173013.97	45.20
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.788	4.446 (0.852)		79	26633	4.00000	3.7	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.789	4.446	(0.852)	109	15104			103.08- 163.08	56.71
3.789	4.446	(0.852)	97	4542			71.09- 131.09	17.05
	12 Pentachloroethane						CAS #: 76-01-7	
4.206	4.207	(0.946)	167	15510	4.00000	3.8	80.00- 120.00	100.00
4.207	4.207	(0.946)	117	10773			42.54- 102.54	69.46
4.205	4.207	(0.946)	130	6213			11.81- 71.81	40.06
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	269719	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	177494			32.20- 92.20	65.81
4.446	4.448	(1.000)	150	409240			139.77- 199.77	151.73
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.781	4.944	(1.075)	100	14880	4.00000	3.4	70.00- 130.00	100.00
4.779	4.944	(1.075)	41	10816			349.38- 409.38	72.69
4.779	4.944	(1.075)	42	9274			7836.39-7896.39	62.33
	25 Acetophenone						CAS #: 98-86-2	
4.798	4.807	(0.856)	105	50175	4.00000	3.9	70.00- 130.00	100.00
4.797	4.807	(0.856)	77	48119			4410.01-4470.01	95.90
4.797	4.807	(0.856)	51	13115			1262.06-1322.06	26.14
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.811	4.446	(1.082)	56	16314	4.00000	3.6	70.00- 130.00	100.00
4.811	4.446	(1.082)	116	5588			116.25- 176.25	34.25
4.812	4.446	(1.082)	86	11731			171.65- 231.65	71.91
	29 o-Toluidine						CAS #: 95-53-4	
4.830	4.814	(1.086)	106	51399	4.00000	3.6	70.00- 130.00	100.00
4.830	4.814	(1.086)	77	14084			36058.41-36118.41	27.40
4.830	4.814	(1.086)	107	39609			76505.71-76565.71	77.06
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.095	4.798	(0.909)	114	14320	4.00000	3.6	70.00- 130.00	100.00
5.094	4.798	(0.909)	42	15836			3934.42-3994.42	110.59
5.094	4.798	(0.909)	55	8218			491.51- 551.51	57.39
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.335	5.338	(1.200)	198	23573	4.00000	3.6	80.00- 120.00	100.00
5.335	5.338	(1.200)	97	15769			34.93- 94.93	66.89
5.334	5.338	(1.200)	65	12353			24.79- 84.79	52.40
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.440	5.370	(0.970)	58	45752	4.00000	3.3	70.00- 130.00	100.00(M)
5.443	5.370	(0.971)	91	14706			64.34- 124.34	32.14
5.441	5.370	(0.971)	65	8877			12409.05-12469.05	19.40
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.607	5.610	(1.000)	136	907937	40.0000		80.00- 120.00	100.00
5.606	5.610	(1.000)	68	47762			0.00- 35.51	5.26

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol							CAS #: 87-65-0	
5.688	5.691	(1.015)	162	26927	4.00000	3.5	70.00- 130.00	100.00
5.689	5.691	(1.015)	63	20450			8424.37-8484.37	75.95
5.688	5.691	(1.015)	98	7534			164.07- 224.07	27.98
47 Hexachloropropene							CAS #: 1888-71-7	
5.712	5.712	(1.019)	213	37025	4.00000	3.7	80.00- 120.00	100.00
5.711	5.712	(1.019)	215	24448			34.61- 94.61	66.03
5.709	5.712	(1.018)	117	7117			0.00- 50.39	19.22
49 N-Nitrosodi-n-butylamine							CAS #: 924-16-3	
5.989	6.287	(1.068)	84	25434	4.00000	3.5	70.00- 130.00	100.00
5.989	6.287	(1.068)	57	14093			1288.18-1348.18	55.41
5.989	6.287	(1.068)	41	12747			66.46- 126.46	50.12
52 Isosafrole							CAS #: 120-58-1	
6.199	6.619	(1.106)	162	25628	4.00000	3.5	70.00- 130.00	100.00
6.198	6.619	(1.106)	104	19504			0.00- 46.22	76.10
6.199	6.619	(1.106)	131	12257			37.69- 97.69	47.83
56 1,2,4,5-Tetrachlorobenzene							CAS #: 95-94-3	
6.450	6.452	(0.883)	216	44335	4.00000	3.7	80.00- 120.00	100.00
6.450	6.452	(0.883)	214	35105			48.19- 108.19	79.18
6.449	6.452	(0.883)	108	7459			0.00- 47.81	16.82
60 Safrole							CAS #: 94-59-7	
6.701	6.619	(1.195)	162	21990	4.00000	3.2	70.00- 130.00	100.00
6.701	6.619	(1.195)	104	17397			0.00- 46.22	79.11
6.701	6.619	(1.195)	77	11651			0.00- 57.00	52.98
64 1,4-Naphthoquinone							CAS #: 130-15-4	
6.929	6.642	(0.949)	158	23220	4.00000	3.4	70.00- 130.00	100.00
6.928	6.642	(0.949)	102	19358			523.56- 583.56	83.37
6.931	6.642	(0.949)	130	8782			0.00- 46.52	37.82
66 1,3-Dinitrobenzene							CAS #: 99-65-0	
7.066	7.368	(0.968)	168	10744	4.00000	3.4	70.00- 130.00	100.00
7.065	7.368	(0.968)	75	15594			98.40- 158.40	145.14
7.064	7.368	(0.967)	50	6908			177.84- 237.84	64.30
* 70 Acenaphthene-d10							CAS #: 15067-26-2	
7.302	7.305	(1.000)	164	632427	40.0000		80.00- 120.00	100.00
7.302	7.305	(1.000)	162	608924			64.73- 124.73	96.28
7.302	7.305	(1.000)	160	284330			12.46- 72.46	44.96
73 Pentachlorobenzene							CAS #: 608-93-5	
7.465	7.467	(1.022)	250	42550	4.00000	3.6	80.00- 120.00	100.00
7.465	7.467	(1.022)	252	27191			34.92- 94.92	63.90
7.463	7.467	(1.022)	108	12501			0.00- 56.94	29.38
77 1-Naphthylamine							CAS #: 134-32-7	
7.578	7.837	(1.038)	143	40974	4.00000	3.7	70.00- 130.00	100.00
7.579	7.837	(1.038)	115	23260			7143.21-7203.21	56.77

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
77 1-Naphthylamine (continued)								
7.579	7.837	(1.038)	89	4234			2068.79-2128.79	10.33
78 2,3,4,6-Tetrachlorophenol							CAS #: 58-90-2	
7.631	7.634	(1.045)	232	21146	4.00000	3.3	70.00- 130.00	100.00
7.629	7.634	(1.045)	168	4566			42.05- 102.05	21.59
7.630	7.634	(1.045)	131	8047			9.10- 69.10	38.05
79 2-Naphthylamine							CAS #: 91-59-8	
7.656	7.837	(1.048)	143	50945	4.00000	3.5	70.00- 130.00	100.00
7.656	7.837	(1.048)	115	33006			7143.21-7203.21	64.79
7.655	7.837	(1.048)	116	11068			667.96- 727.96	21.73
83 5-Nitro-ortho-toluidine							CAS #: 99-55-8	
7.850	7.896	(1.075)	152	19902	4.00000	3.5	70.00- 130.00	100.00
7.850	7.896	(1.075)	106	13671			505.60- 565.60	68.69
7.850	7.896	(1.075)	77	23734			735.48- 795.48	119.25
90 1,3,5-Trinitrobenzene							CAS #: 99-35-4	
8.211	8.152	(1.125)	75	39018	4.00000	5.8	70.00- 130.00	100.00
8.210	8.152	(1.124)	74	23904			50.14- 110.14	61.26
8.211	8.152	(1.125)	213	15845			40.88- 100.88	40.61
89 Diallate							CAS #: 2303-16-4	
8.229	8.081	(1.127)	86	25817	4.00000	3.3	70.00- 130.00	100.00(M)
8.229	8.081	(1.127)	43	27472			0.00- 38.70	106.41
8.234	8.081	(1.128)	234	18977			0.00- 39.00	73.51
92 Phenacetin							CAS #: 62-44-2	
8.251	8.384	(0.942)	109	33846	4.00000	4.0	70.00- 130.00	100.00
8.251	8.384	(0.942)	108	31292			77.38- 137.38	92.45
8.252	8.384	(0.942)	179	19721			133.19- 193.19	58.27
91 p-Phenylenediamine							CAS #: 106-50-3	
8.251	8.082	(0.942)	108	31292	4.00000	3.3	70.00- 130.00	100.00
8.251	8.082	(0.942)	80	9414			1858.68-1918.68	30.08
8.251	8.082	(0.942)	53	4392			5306.16-5366.16	14.04
97 Pentachloronitrobenzene							CAS #: 82-68-8	
8.586	8.589	(0.980)	237	14934	4.00000	3.4	80.00- 120.00	100.00
8.587	8.589	(0.980)	295	6839			7.36- 67.36	45.79
8.585	8.589	(0.980)	142	10201			42.99- 102.99	68.31
98 4-Aminobiphenyl							CAS #: 92-67-1	
8.571	8.584	(0.979)	169	79803	4.00000	3.8	70.00- 130.00	100.00
8.571	8.584	(0.979)	168	15420			0.00- 49.63	19.32
8.570	8.584	(0.979)	115	10154			0.00- 40.98	12.72
99 Pronamide							CAS #: 23950-58-5	
8.626	8.781	(0.985)	173	38759	4.00000	3.7	70.00- 130.00	100.00
8.626	8.781	(0.985)	175	23093			2051.90-2111.90	59.58
8.625	8.781	(0.985)	145	13231			63.94- 123.94	34.14

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.758	8.761	(1.000)	188	1229245	40.0000		80.00- 120.00	100.00
8.757	8.761	(1.000)	94	70892			0.00- 36.35	5.77
8.757	8.761	(1.000)	80	95172			0.00- 37.82	7.74
102 Dinoseb							CAS #: 88-85-7	
8.750	8.753	(0.999)	211	15093	4.00000	5.3	80.00- 120.00	100.00
8.750	8.753	(0.999)	163	5170			7.77- 67.77	34.25
8.751	8.753	(0.999)	117	3516			0.00- 52.05	23.30
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.541	9.334	(1.089)	174	928	4.00000	3.6	70.00- 130.00	100.00(Q)
9.539	9.334	(1.089)	128	3309			429.24- 489.24	356.57
9.540	9.334	(1.089)	101	4237			988.96-1048.96	456.57
107 Methapyrilene							CAS #: 91-80-5	
9.607	10.322	(1.097)	97	1351	4.00000	3.3	70.00- 130.00	100.00(M)
9.607	10.322	(1.097)	58	979			11.52- 71.52	72.46
9.610	10.322	(1.097)	191	0	0.00	0.00	0.00- 52.18	0.00
108 Isodrin							CAS #: 465-73-6	
9.798	10.279	(1.119)	193	14297	4.00000	3.8	70.00- 130.00	100.00
9.798	10.279	(1.119)	66	13340			17952.44-18012.44	93.31
9.800	10.279	(1.119)	195	11918			1135.23-1195.23	83.36
113 Aramite							CAS #: 140-57-8	
10.366	10.370	(0.913)	185	12716	4.00000	3.4	80.00- 120.00	100.00(M)
10.291	10.370	(0.907)	191	6323			21.78- 81.78	49.72
10.296	10.370	(0.907)	319	5285			6.67- 66.67	41.56
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.457	10.323	(0.921)	225	31488	4.00000	3.4	70.00- 130.00	100.00
10.456	10.323	(0.921)	120	26101			99.50- 159.50	82.89
10.455	10.323	(0.921)	77	27811			9.48- 69.48	88.32
115 Chlorobenzilate							CAS #: 510-15-6	
10.500	10.503	(0.925)	251	50125	4.00000	3.5	80.00- 120.00	100.00
10.500	10.503	(0.925)	253	31027			35.78- 95.78	61.90
10.499	10.503	(0.925)	139	41577			60.72- 120.72	82.95
116 Kepone							CAS #: 143-50-0	
10.836	10.840	(0.955)	272	7252	4.00000	3.0	80.00- 120.00	100.00
10.839	10.840	(0.955)	274	5729			51.74- 111.74	79.00
10.839	10.840	(0.955)	237	4521			0.00- 59.52	62.34
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.788	10.799	(0.950)	212	104093	4.00000	3.7	70.00- 130.00	100.00
10.789	10.799	(0.950)	106	5752			2299.94-2359.94	5.53
10.786	10.799	(0.950)	180	6601			6.44- 66.44	6.34
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.032	10.324	(0.972)	181	50591	4.00000	3.1	70.00- 130.00	100.00
11.033	10.324	(0.972)	223	33471			491.83- 551.83	66.16

				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
119 2-Acetylaminofluorene (continued)								
11.032	10.324	(0.972)	180	42536			639.65- 699.65	84.08
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.352	11.359	(1.000)	240	1576137	40.0000		80.00- 120.00	100.00
11.351	11.359	(1.000)	120	83473			0.00- 36.38	5.30
11.353	11.359	(1.000)	236	422688			0.00- 57.06	26.82
126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.315	12.088	(0.971)	256	77306	4.00000	3.4	70.00- 130.00	100.00
12.316	12.088	(0.971)	241	41024			77.87- 137.87	53.07
12.316	12.088	(0.971)	239	36883			73.24- 133.24	47.71
* 130 Perylene-d12						CAS #: 1520-96-3		
12.678	12.682	(1.000)	264	1610792	40.0000		80.00- 120.00	100.00
12.678	12.682	(1.000)	260	391086			0.00- 54.80	24.28
12.679	12.682	(1.000)	265	367610			0.00- 53.39	22.82
131 3-Methylcholanthrene						CAS #: 56-49-5		
12.937	12.847	(1.020)	268	90561	4.00000	3.5	70.00- 130.00	100.00
12.938	12.847	(1.020)	252	35669			13.23- 73.23	39.39
12.937	12.847	(1.020)	253	34866			6.61- 66.61	38.50
132 Dibenz(a,j)acridine						CAS #: 224-42-0		
13.526	13.755	(1.067)	279	135981	4.00000	3.7	70.00- 130.00	100.00
13.527	13.755	(1.067)	280	31556			0.00- 41.79	23.21
13.525	13.755	(1.067)	277	19040			93.47- 153.47	14.00

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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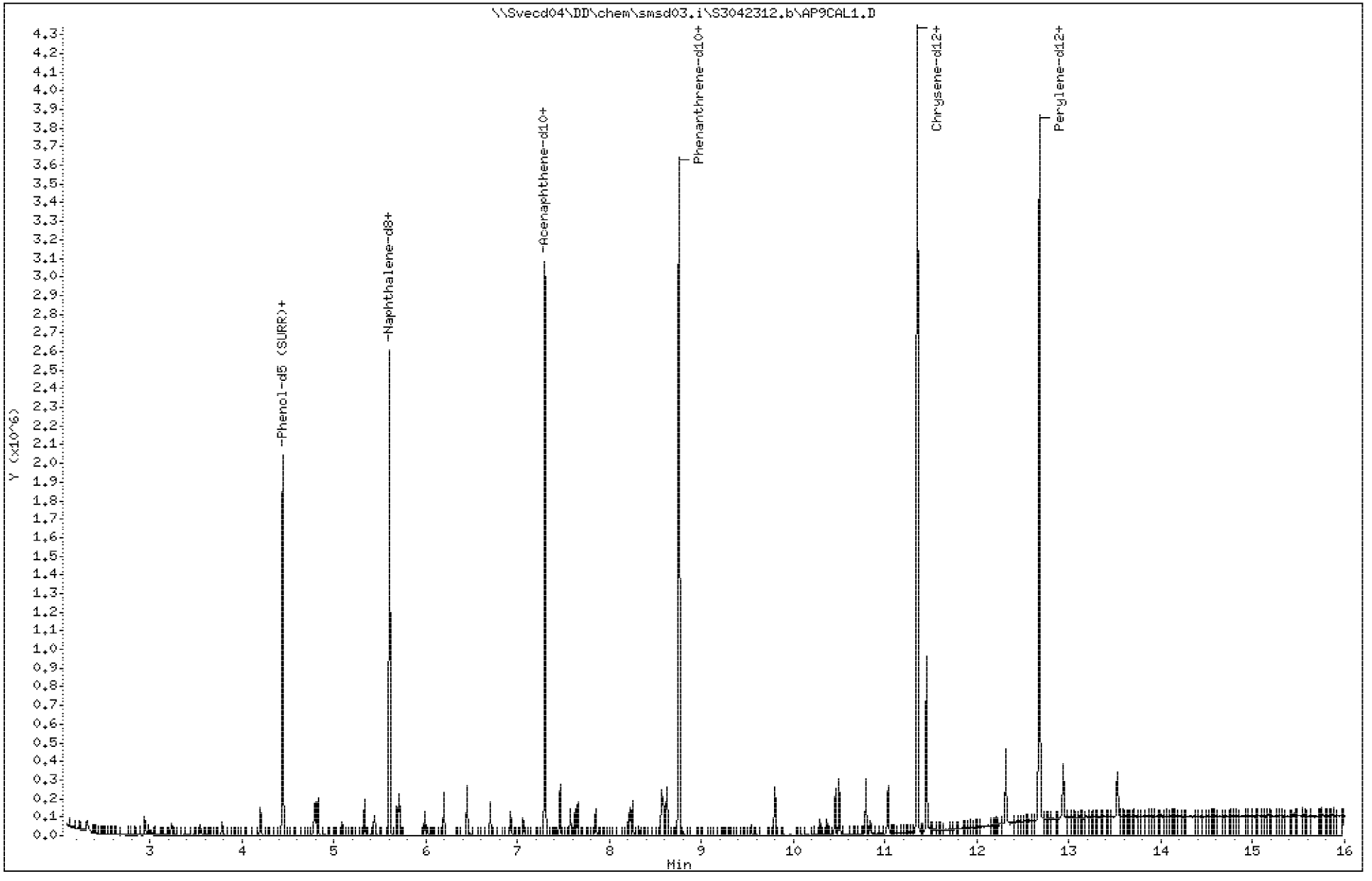
Instrument: smsd03.i
Sample Info: 45961
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1935



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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

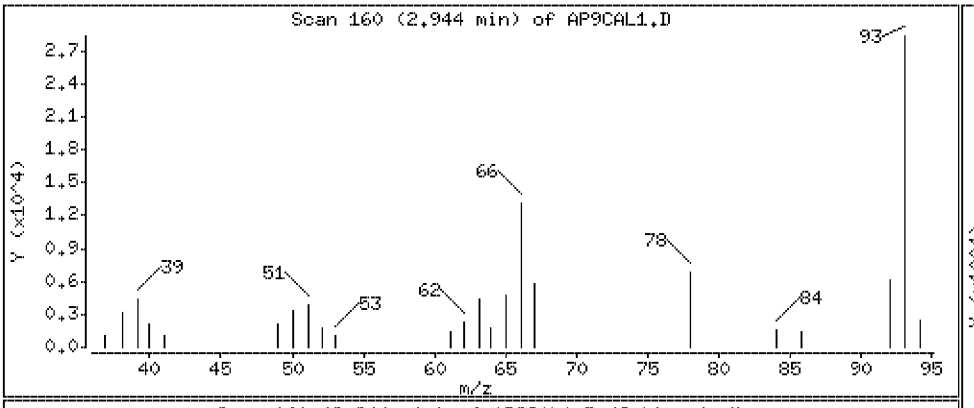
Operator: PEL

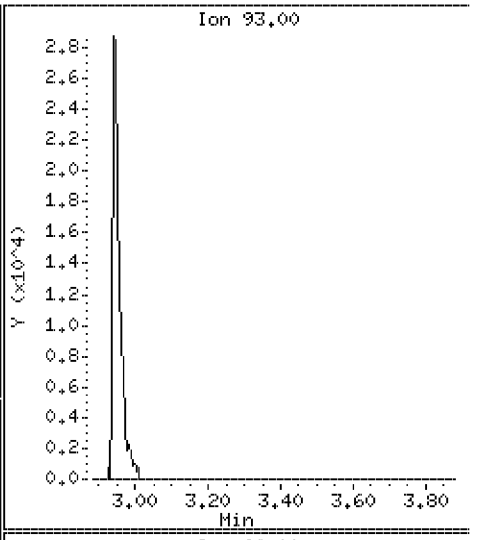
Column phase: HPMS-5

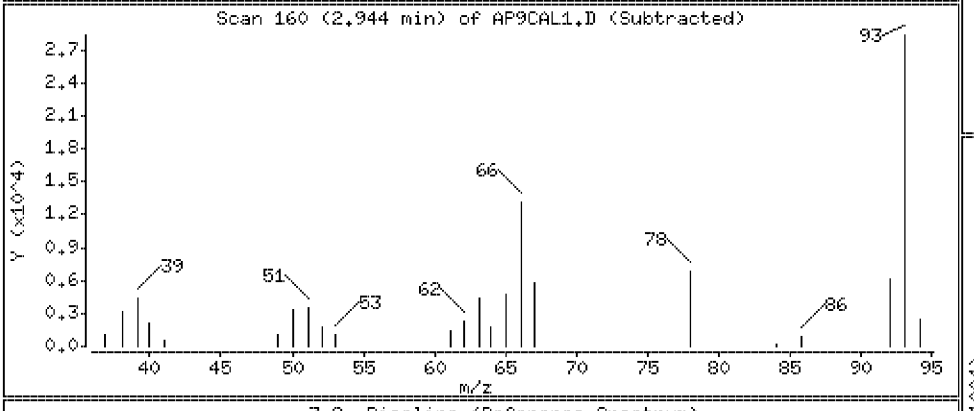
Column diameter: 0.25

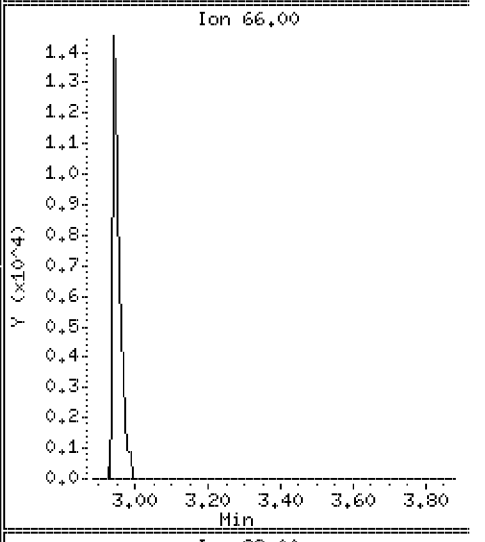
3 2- Picoline

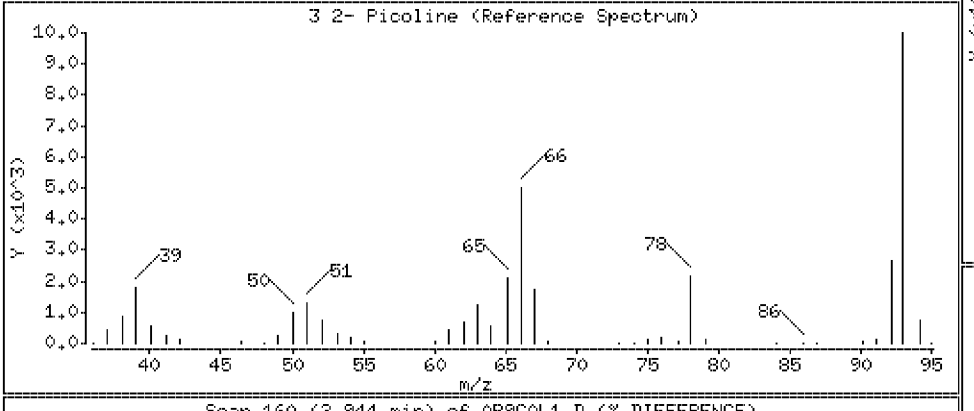
Concentration: 3.9 ug/l

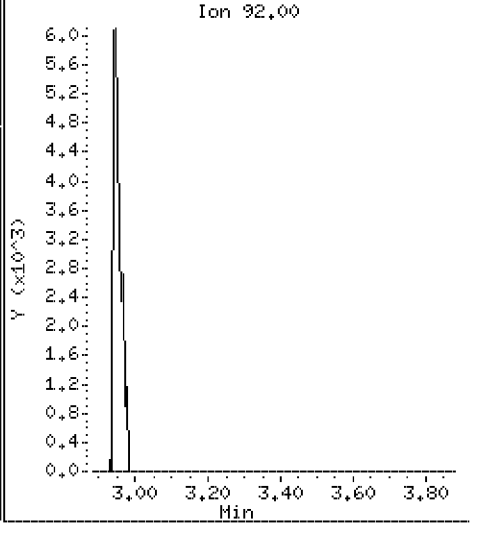


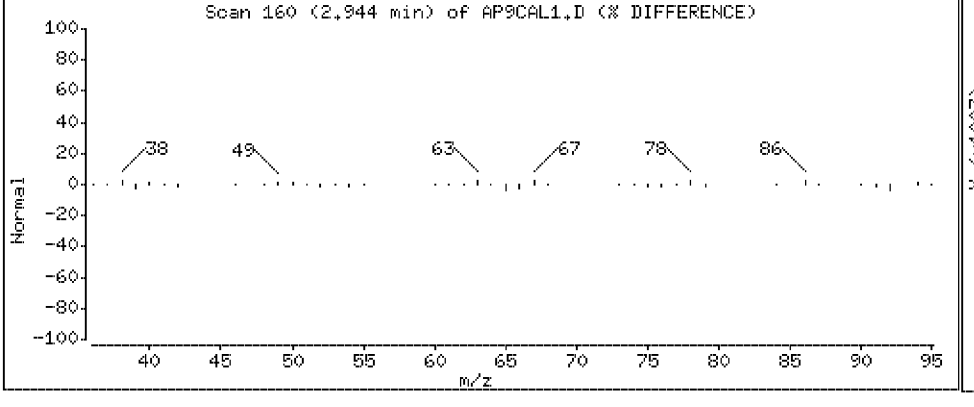












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

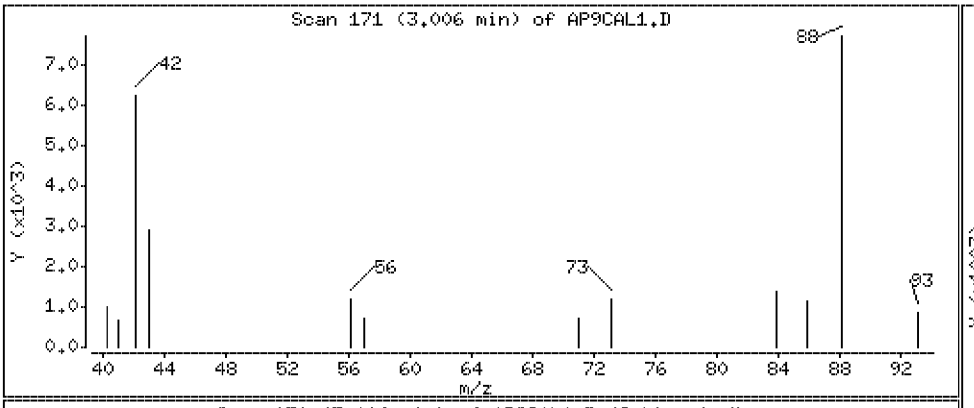
Operator: PEL

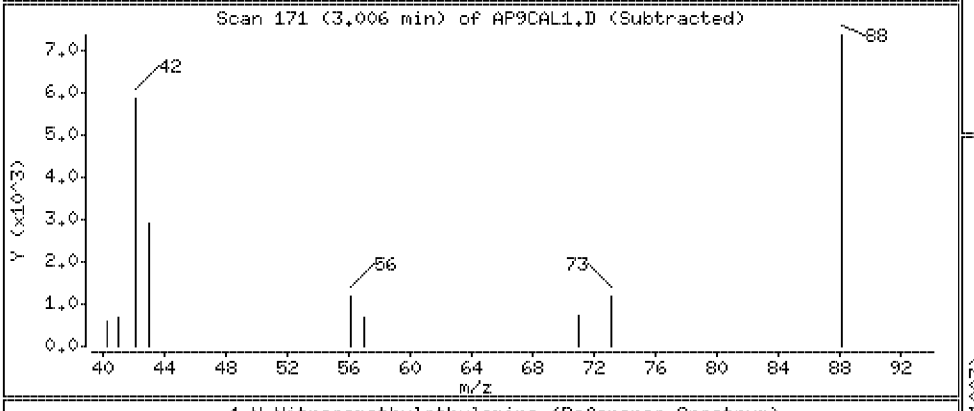
Column phase: HPMS-5

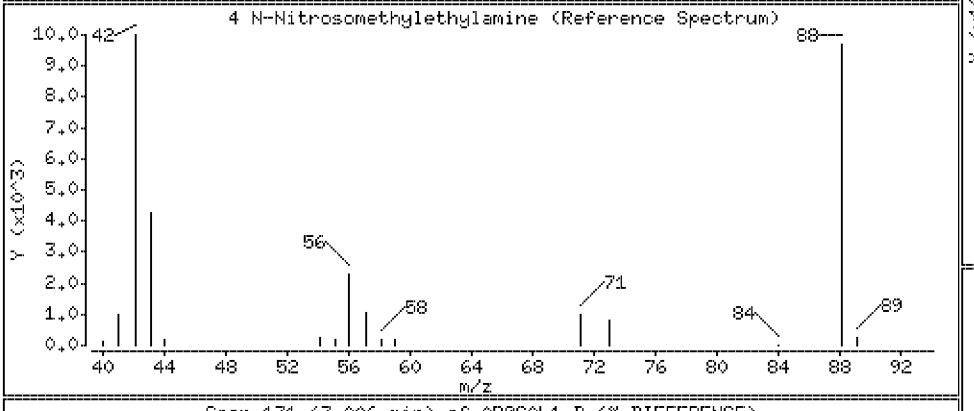
Column diameter: 0.25

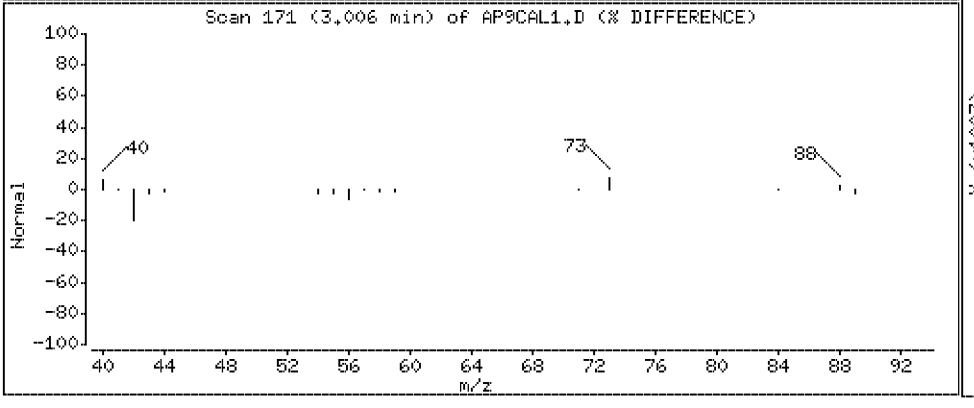
4 N-Nitrosomethylethylamine

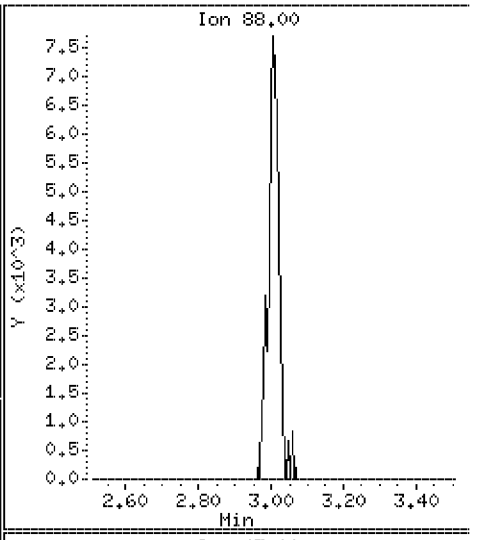
Concentration: 3.6 ug/l

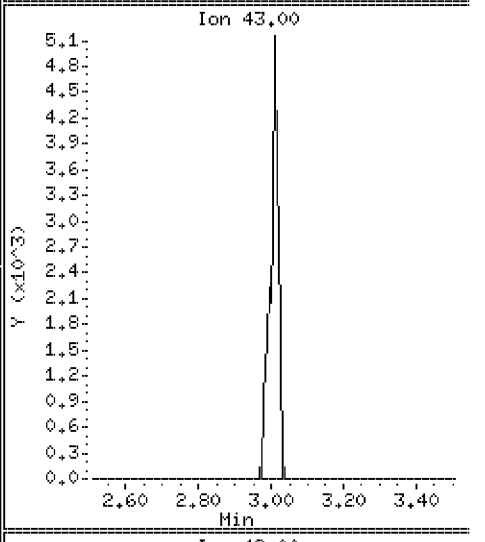


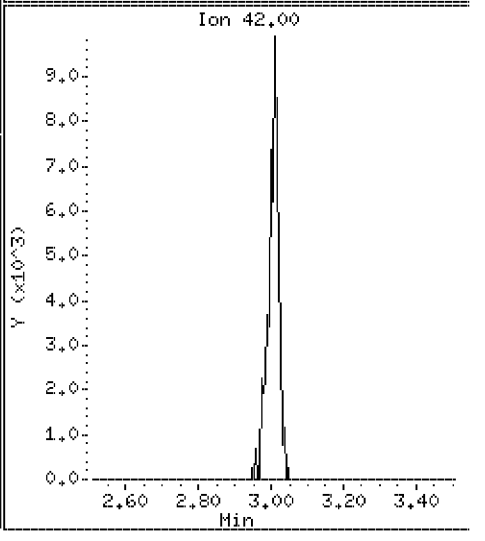












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

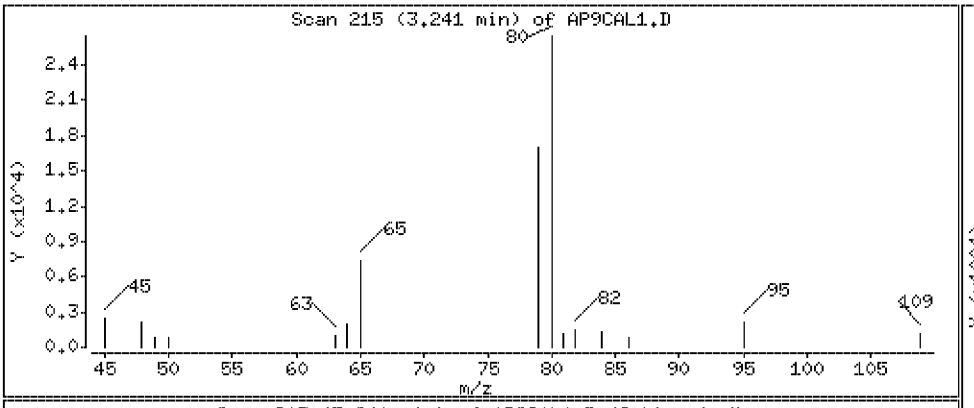
Operator: PEL

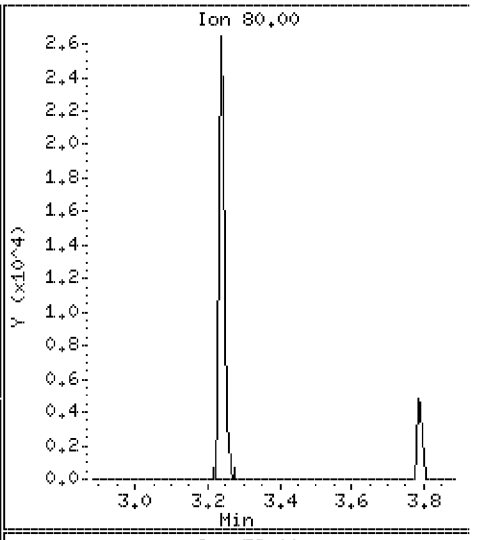
Column phase: HPMS-5

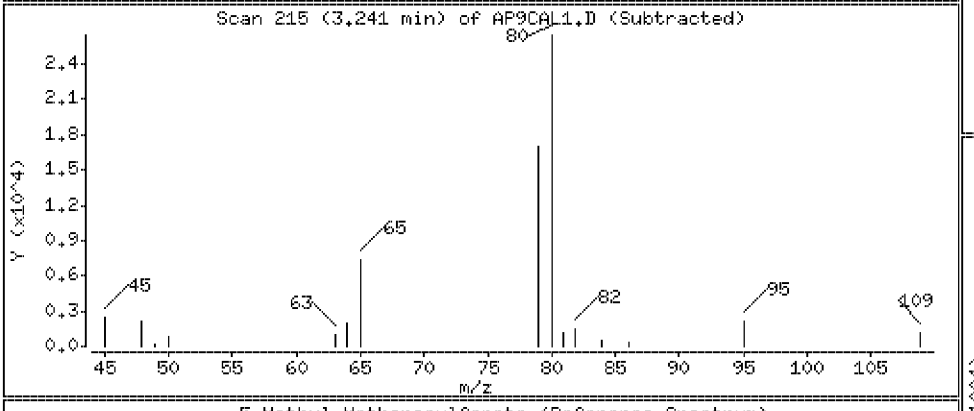
Column diameter: 0.25

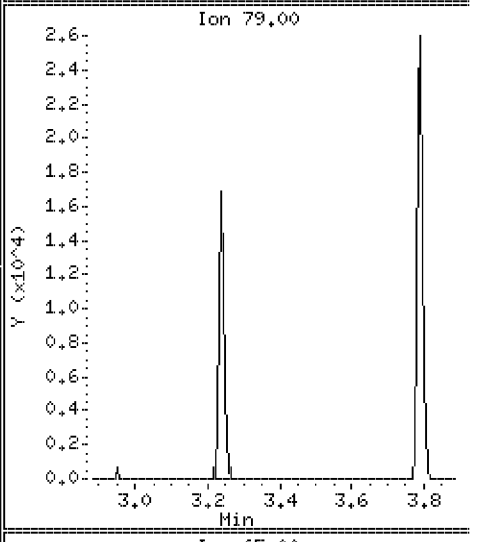
5 Methyl Methanesulfonate

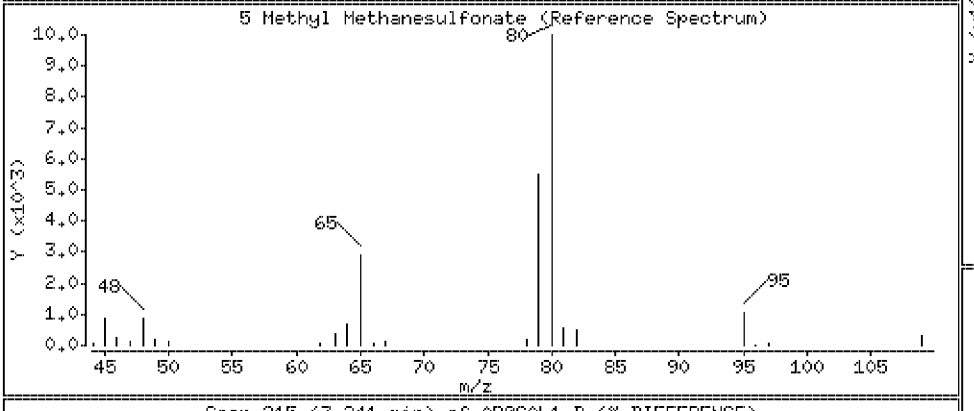
Concentration: 4.0 ug/l

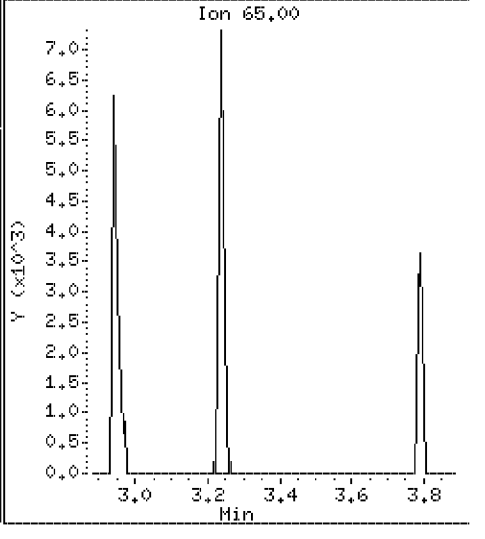


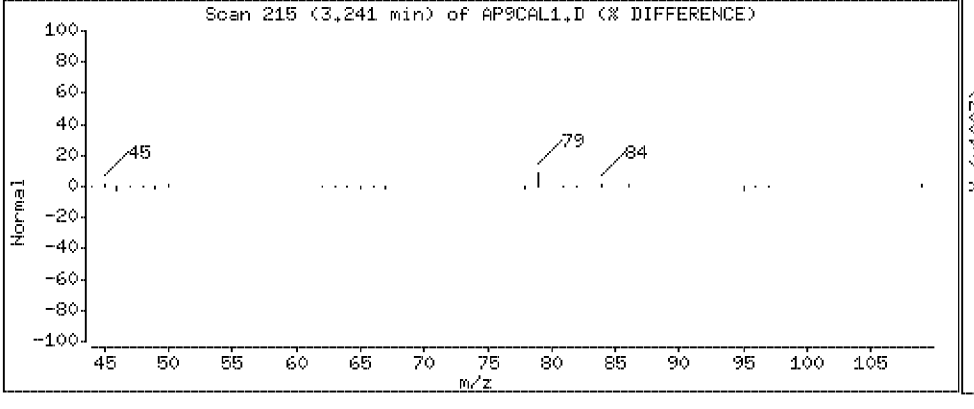












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

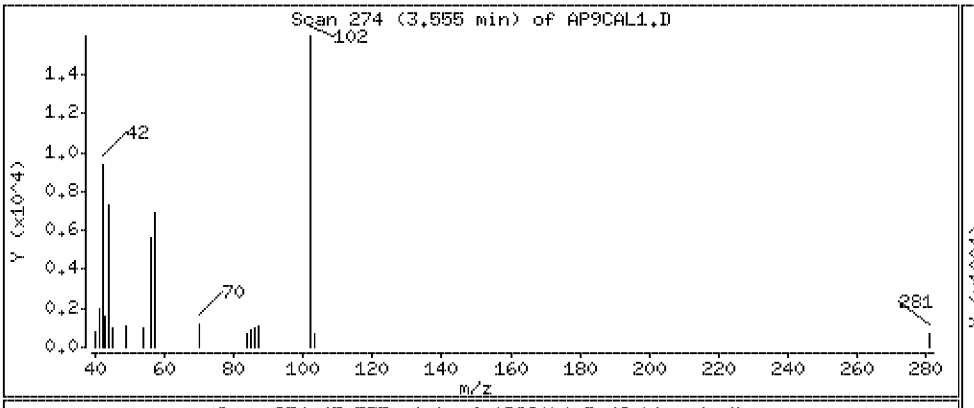
Operator: PEL

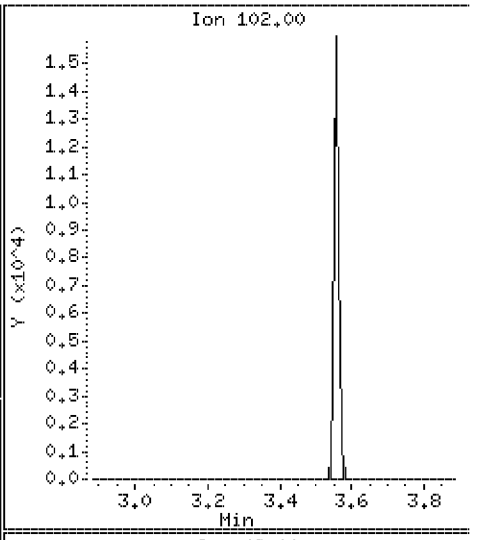
Column phase: HPMS-5

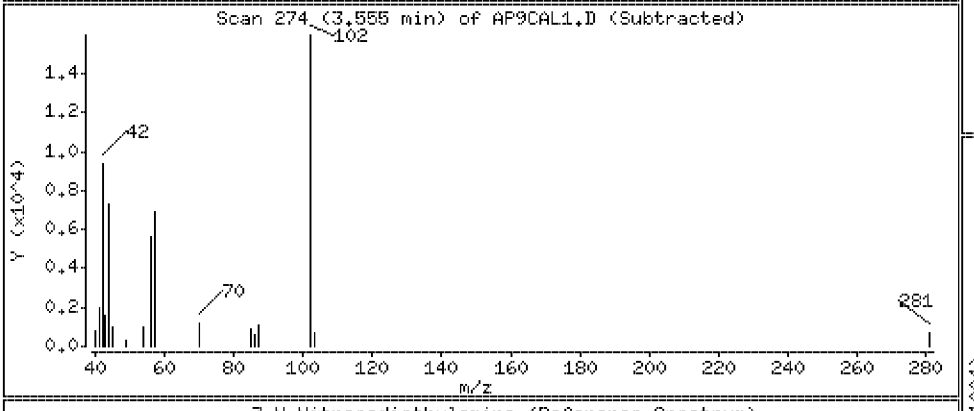
Column diameter: 0.25

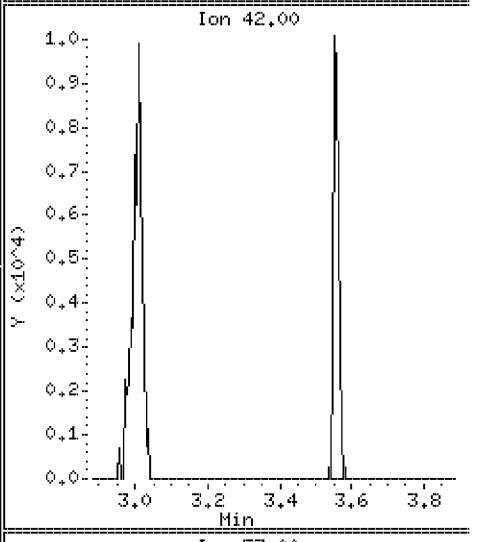
7 N-Nitrosodiethylamine

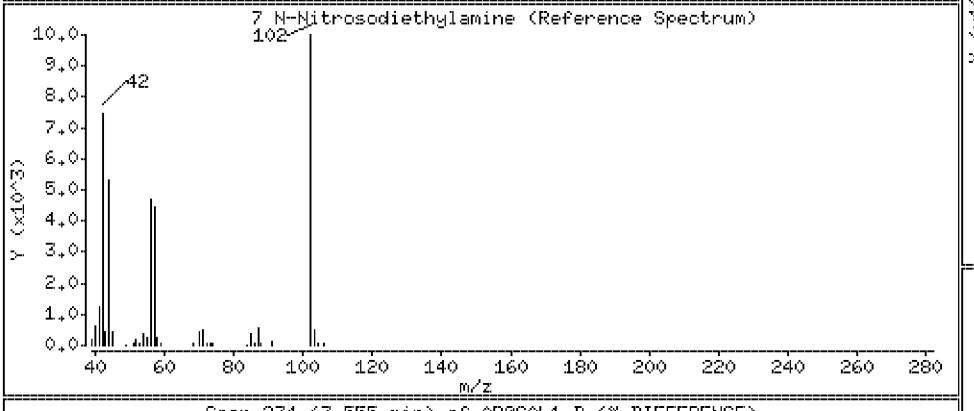
Concentration: 3.5 ug/l

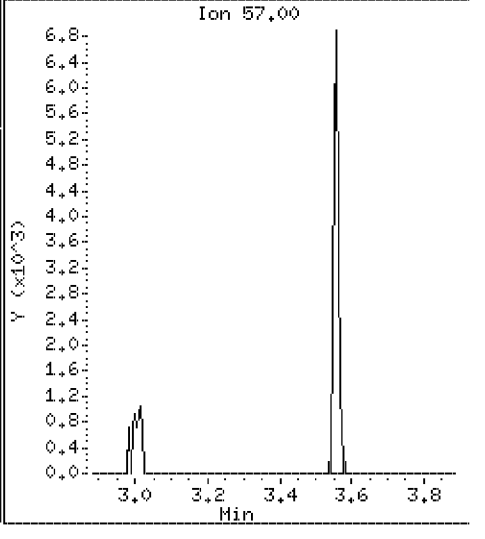


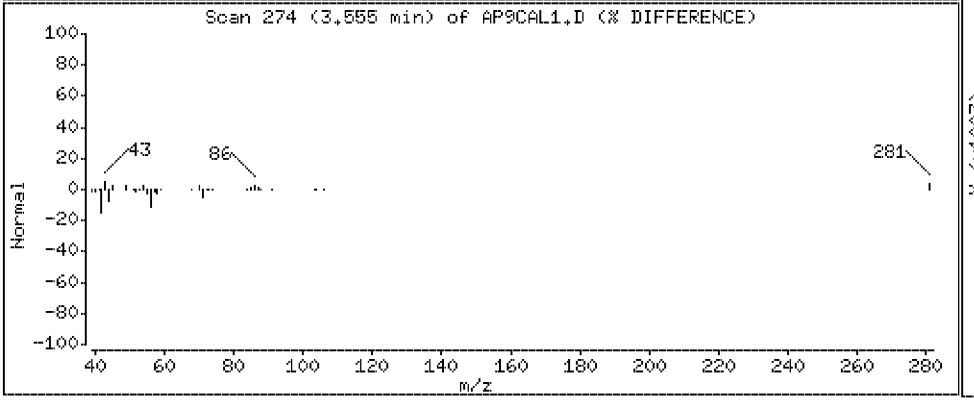












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

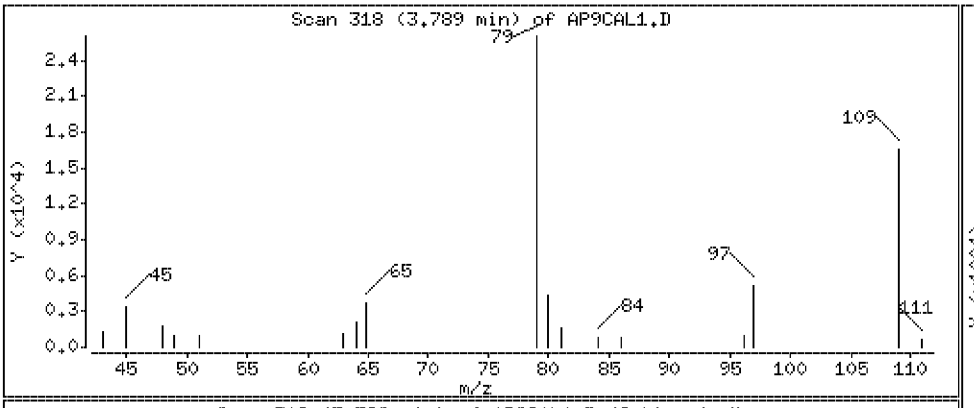
Operator: PEL

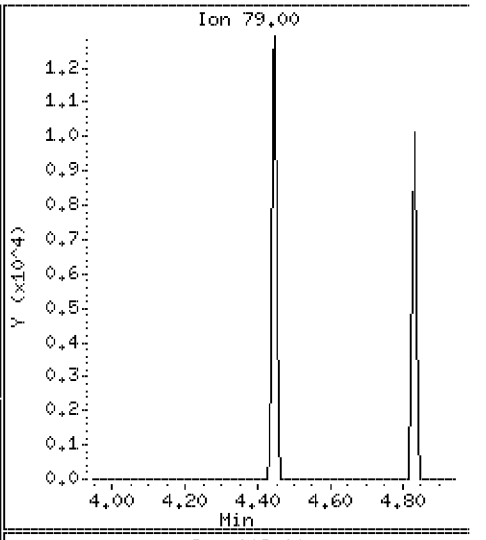
Column phase: HPMS-5

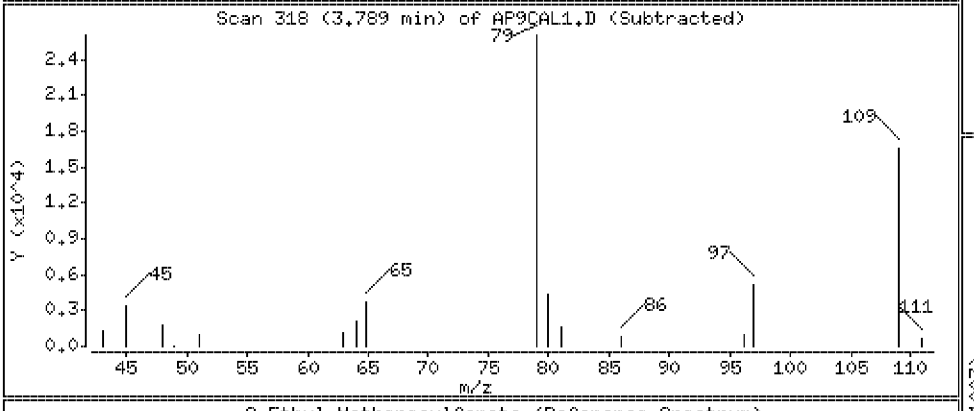
Column diameter: 0.25

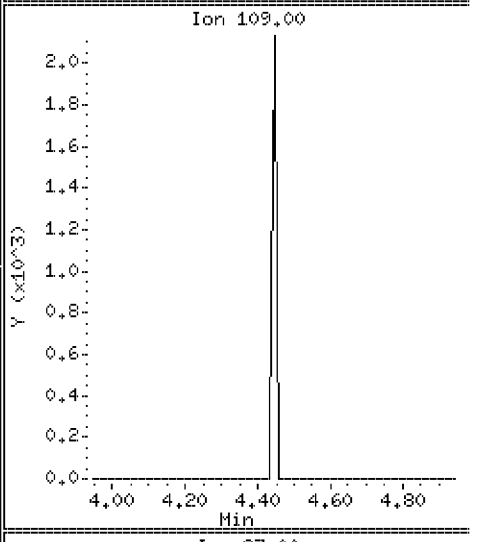
8 Ethyl Methanesulfonate

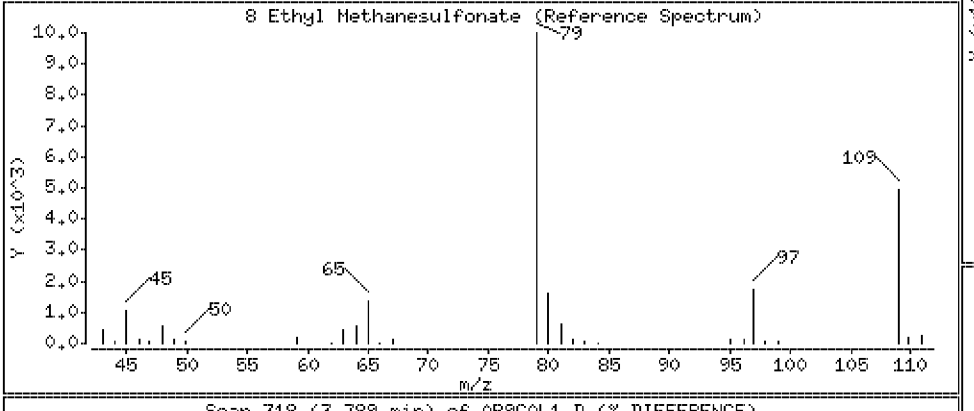
Concentration: 3.7 ug/l

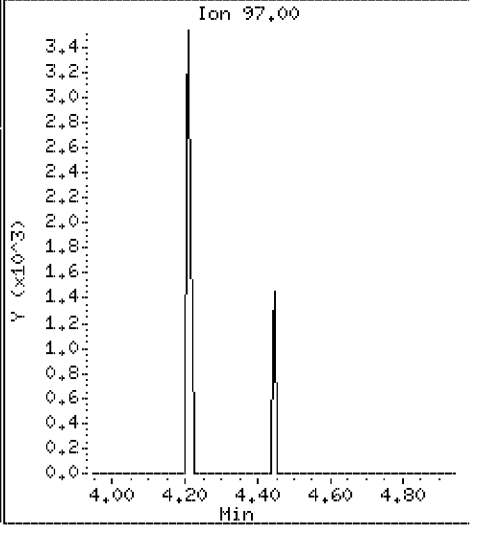


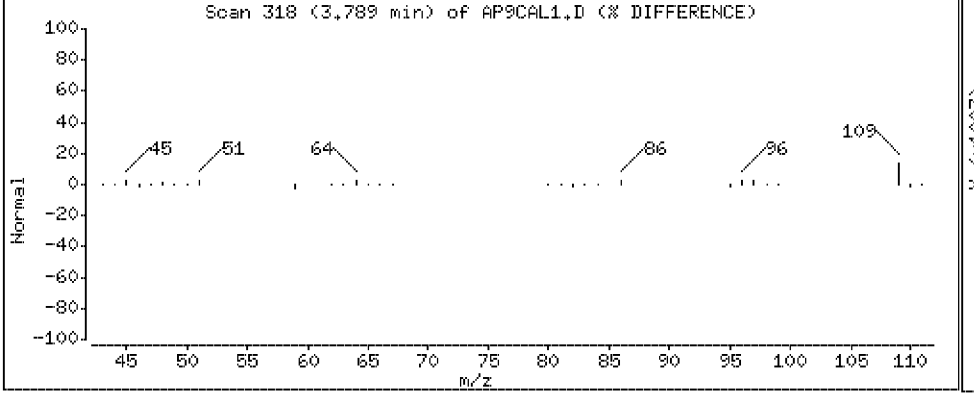












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

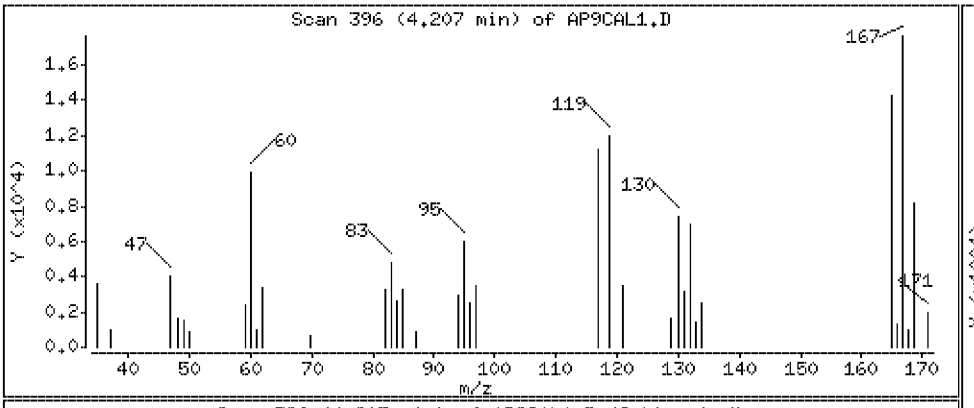
Operator: PEL

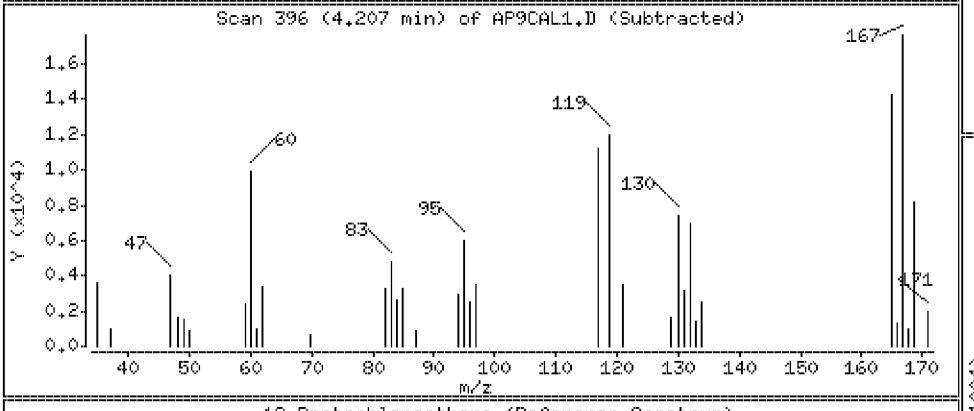
Column phase: HPMS-5

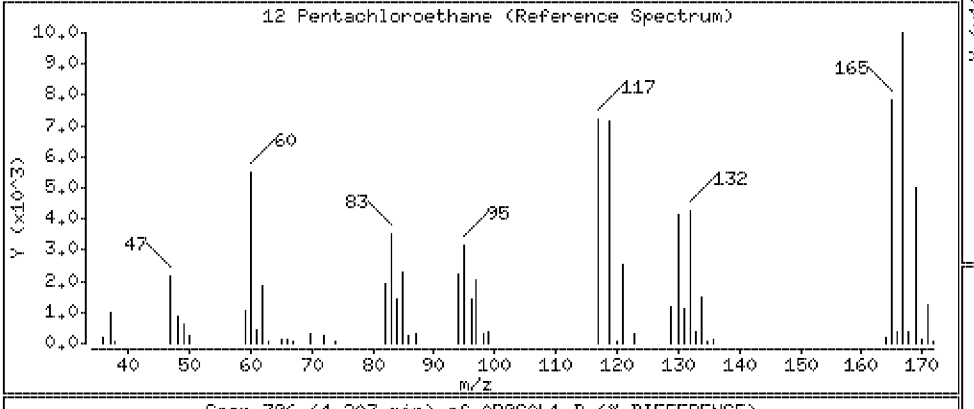
Column diameter: 0.25

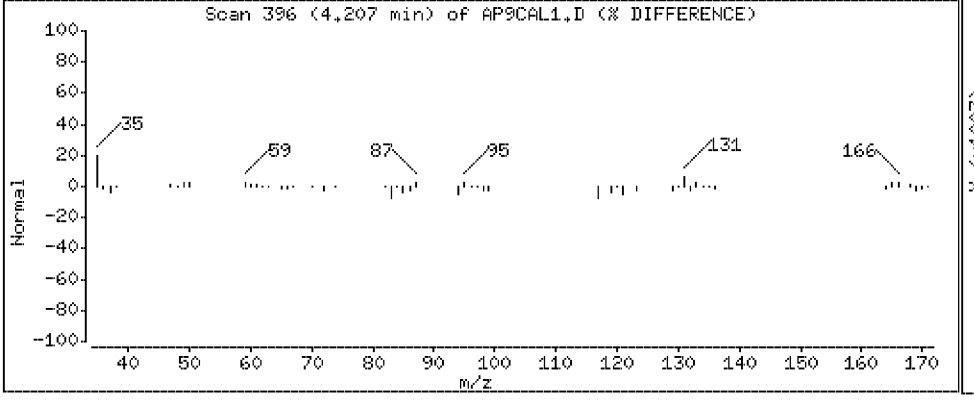
12 Pentachloroethane

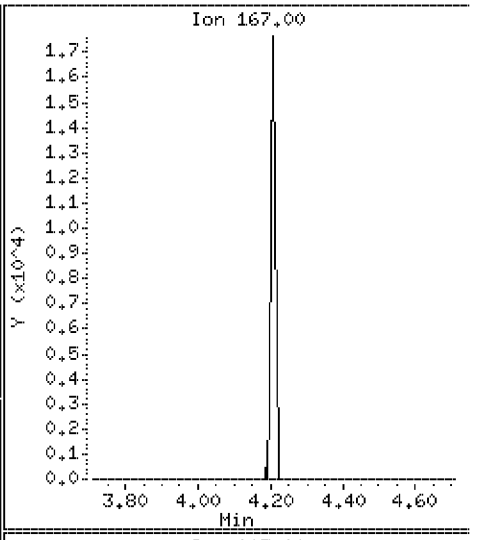
Concentration: 3.8 ug/l

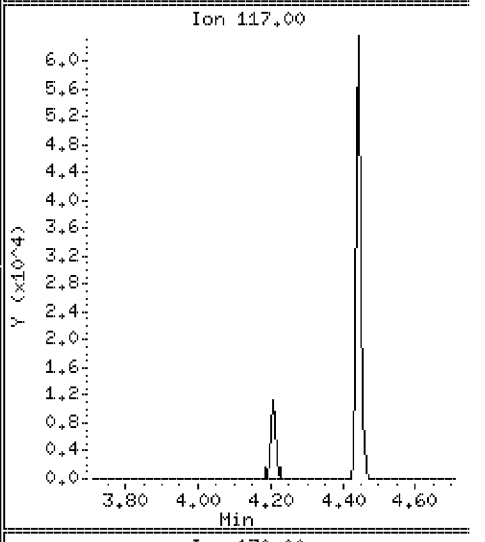


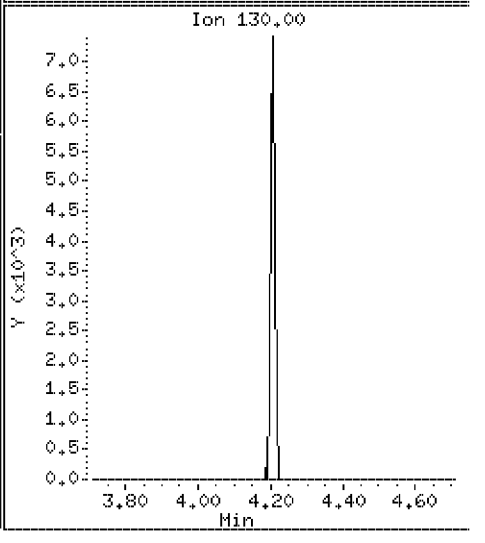












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

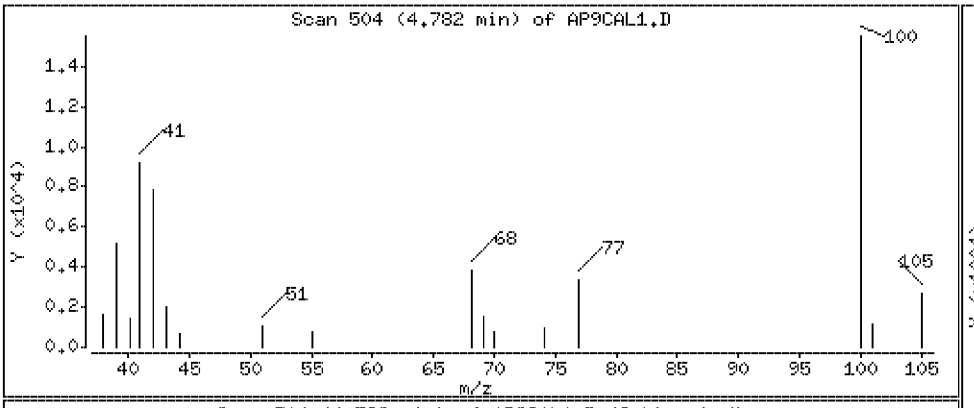
Client ID: AP9CAL1 Instrument: smsd03.i

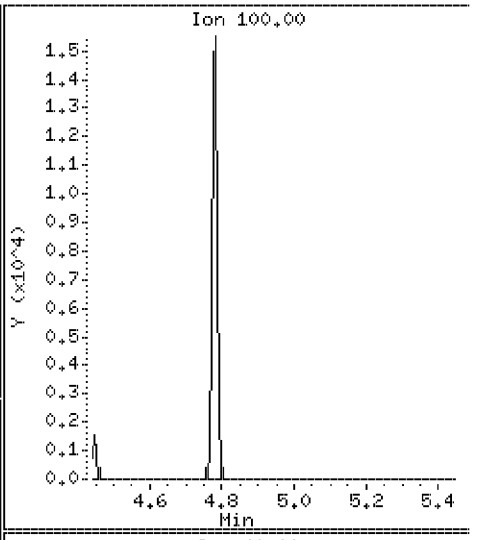
Sample Info: 45961

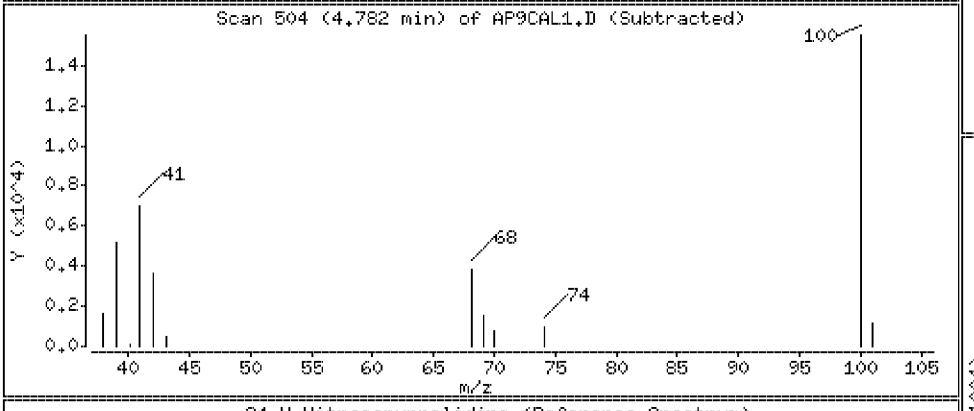
Purge Volume: 1000.0 Operator: PEL

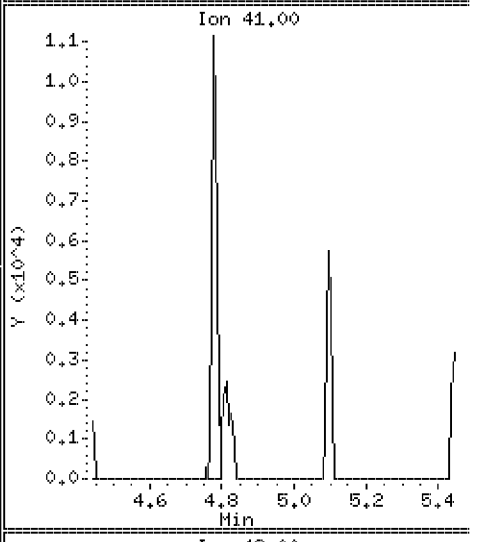
Column phase: HPMS-5 Column diameter: 0.25

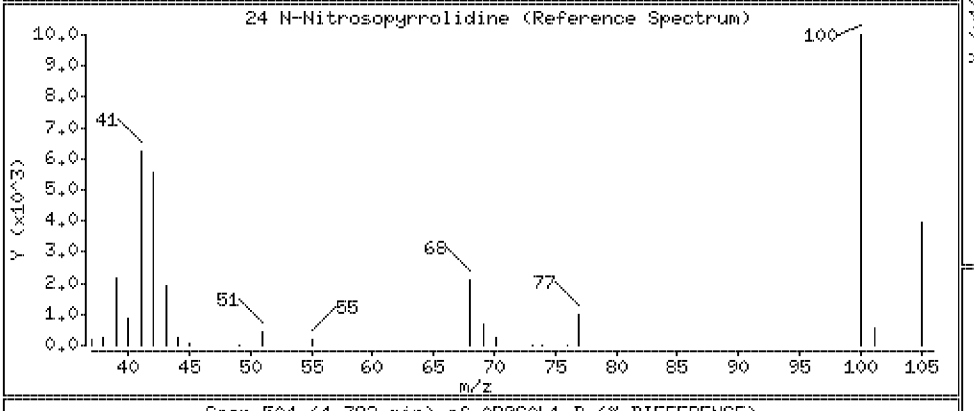
24 N-Nitrosopyrrolidine Concentration: 3.4 ug/l

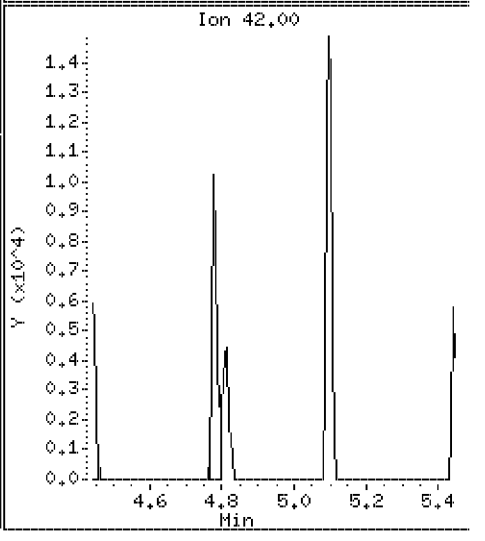


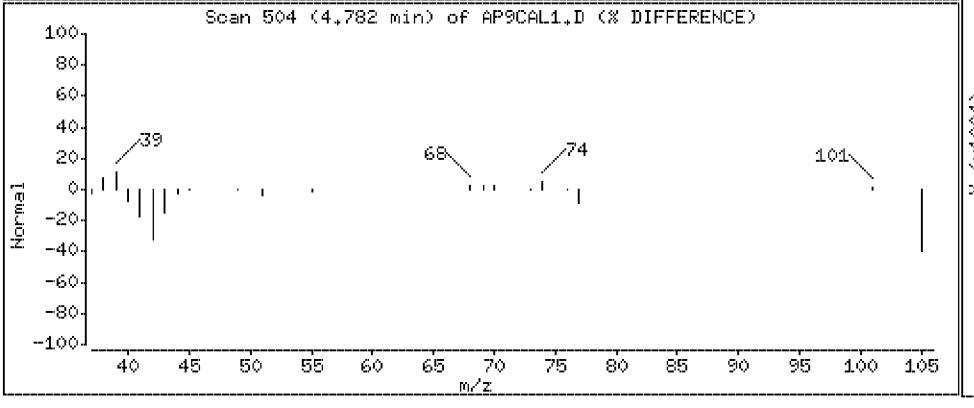












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

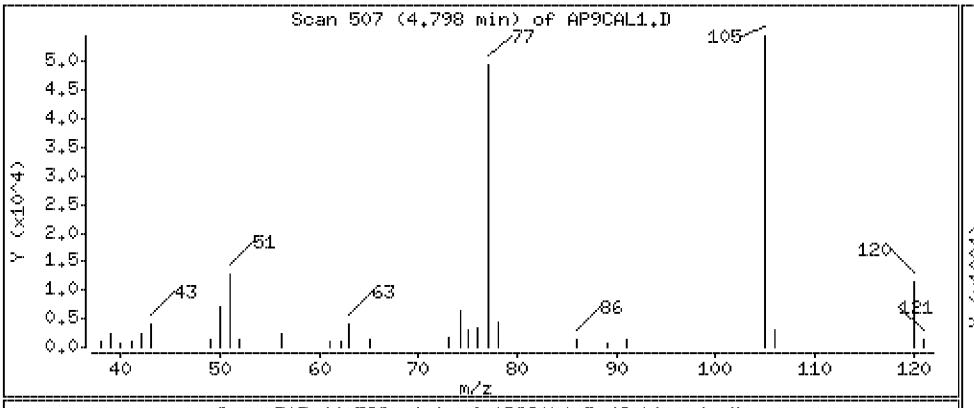
Operator: PEL

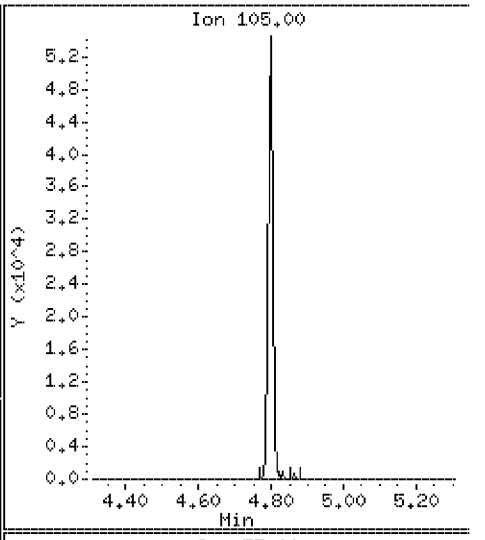
Column phase: HPMS-5

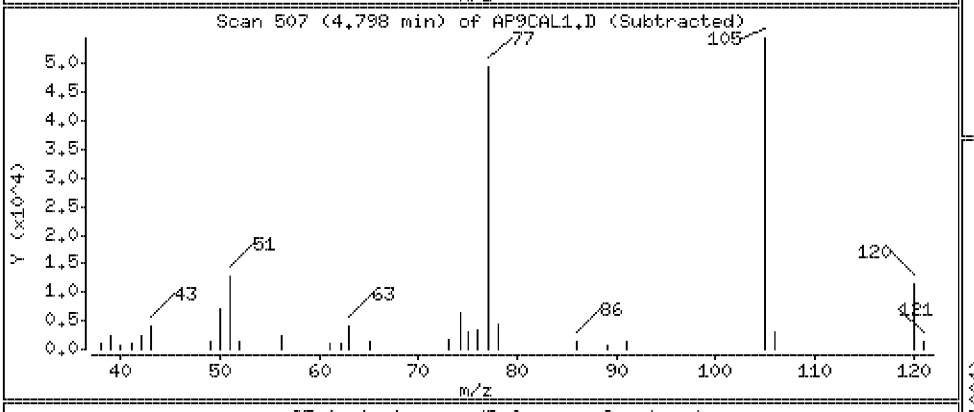
Column diameter: 0.25

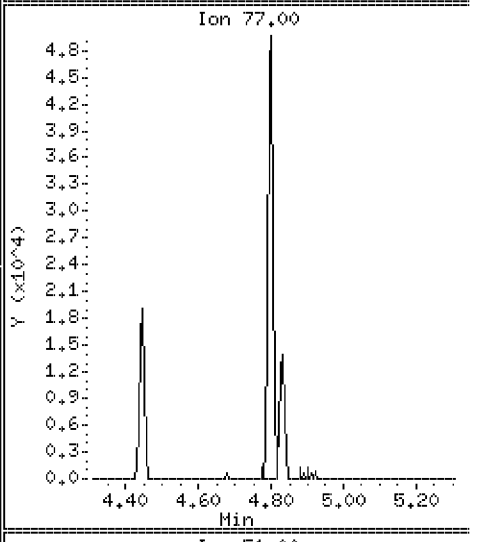
25 Acetophenone

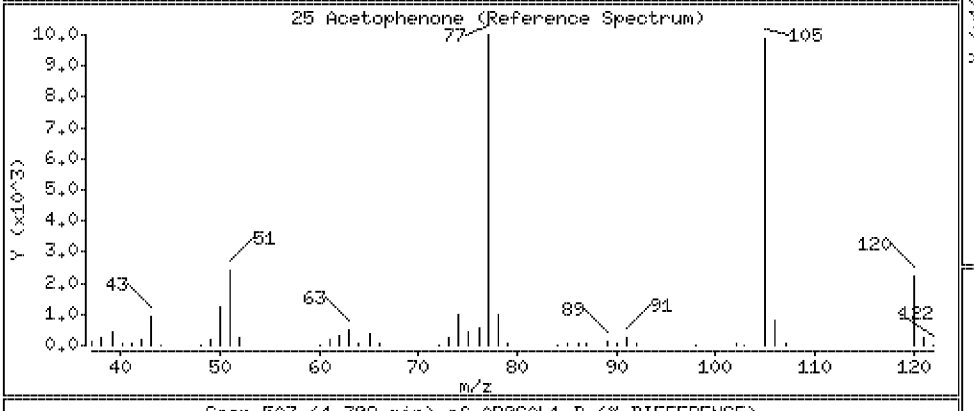
Concentration: 3.9 ug/l

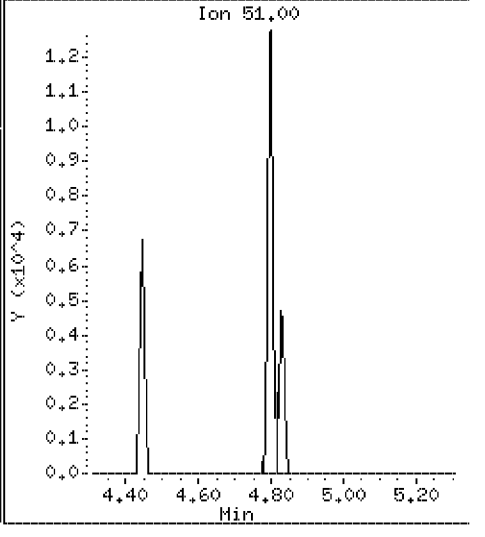


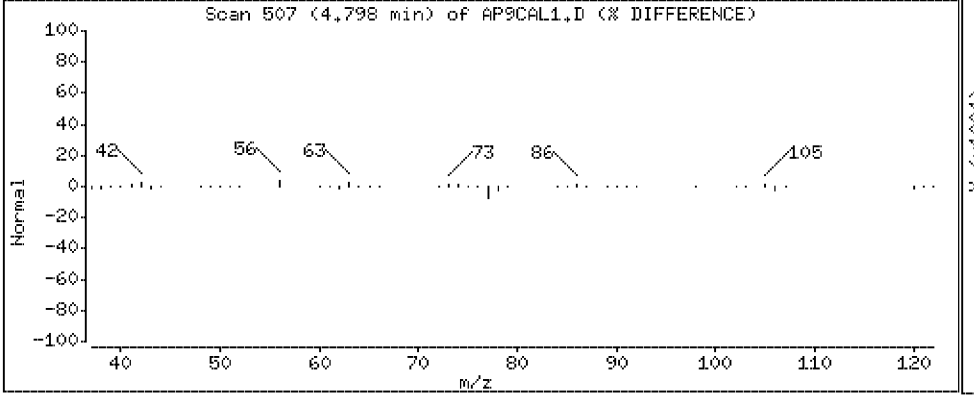












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

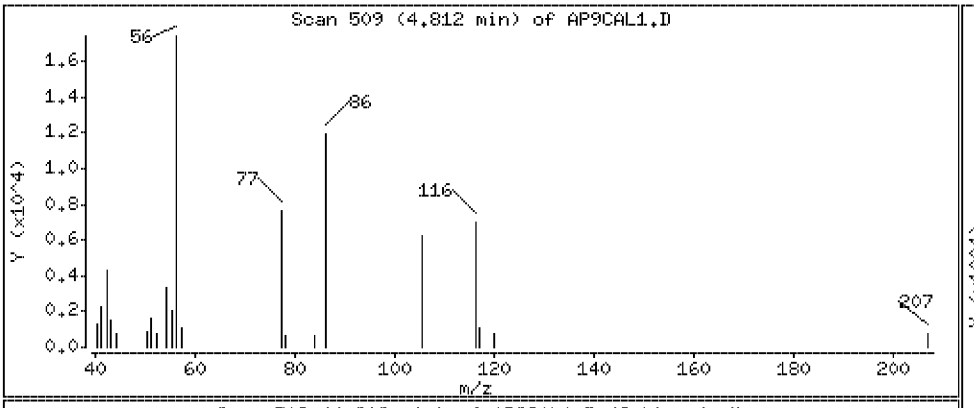
Operator: PEL

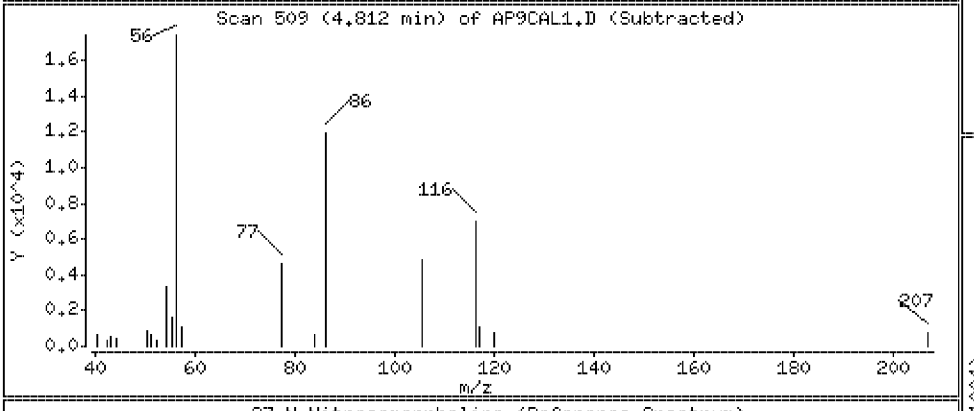
Column phase: HPMS-5

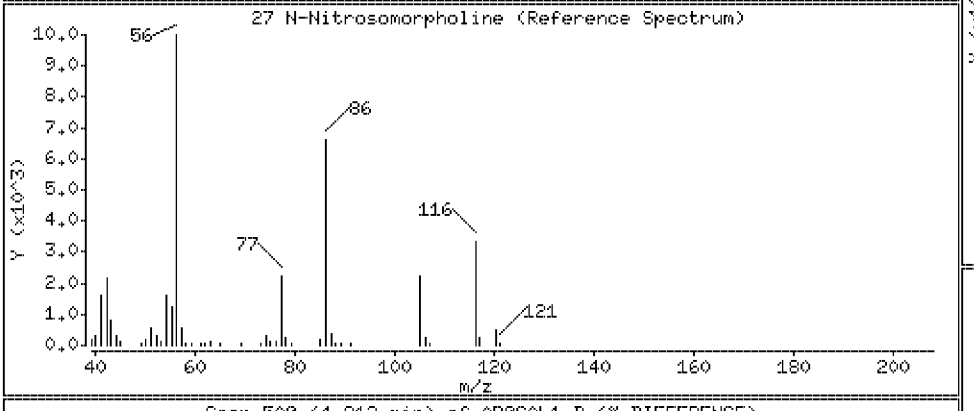
Column diameter: 0.25

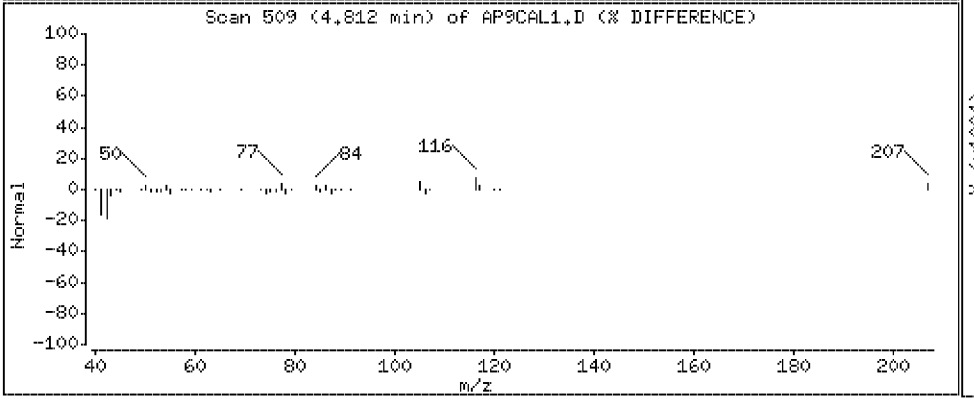
27 N-Nitrosomorpholine

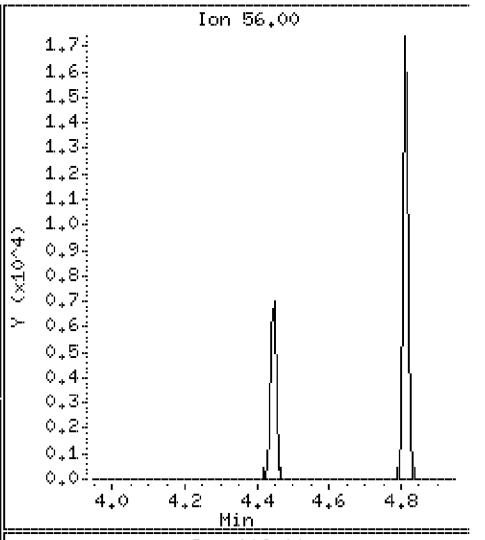
Concentration: 3.6 ug/l

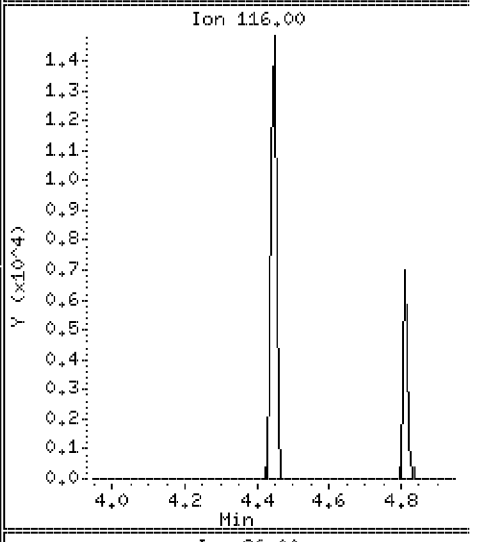


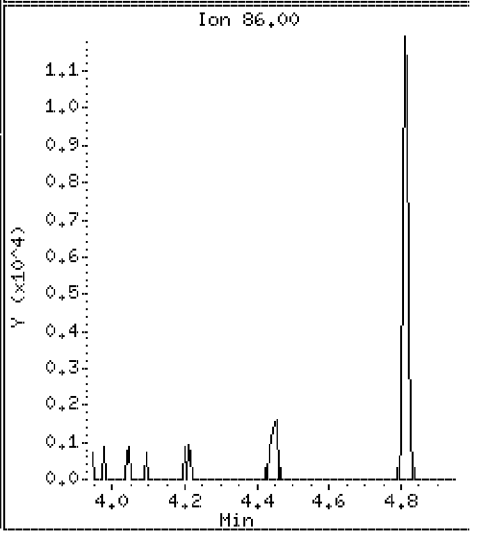












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

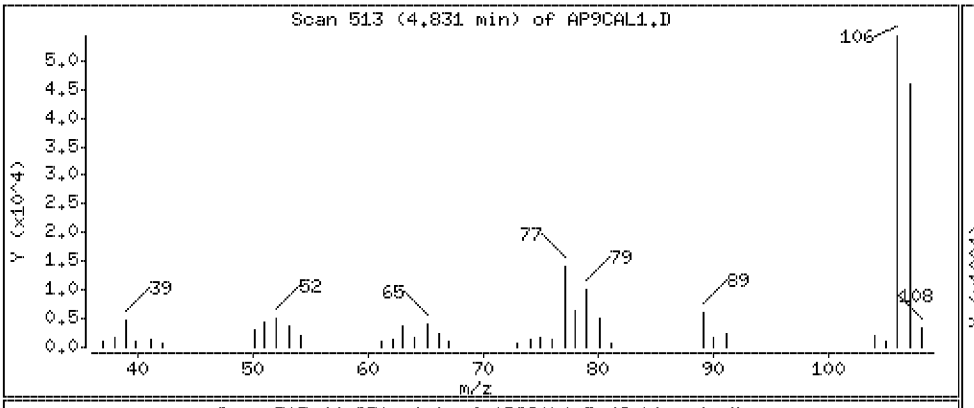
Operator: PEL

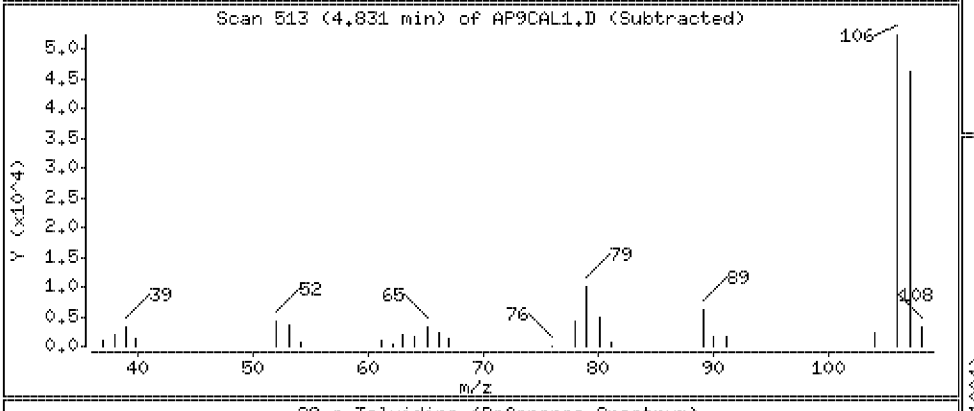
Column phase: HPMS-5

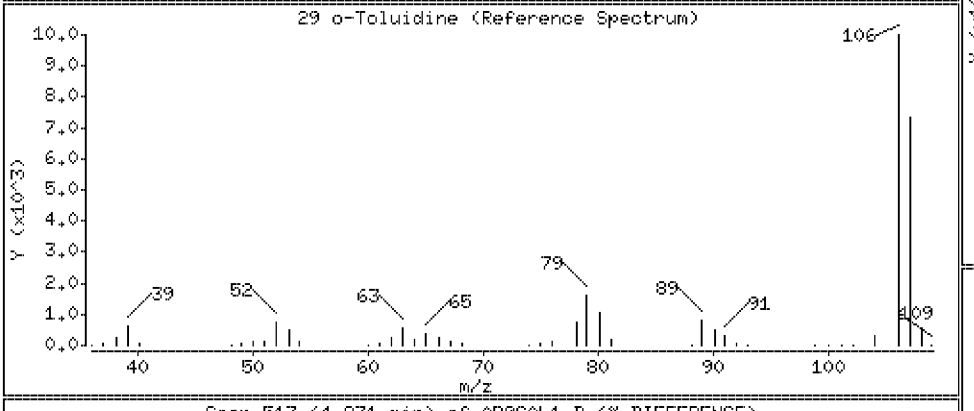
Column diameter: 0.25

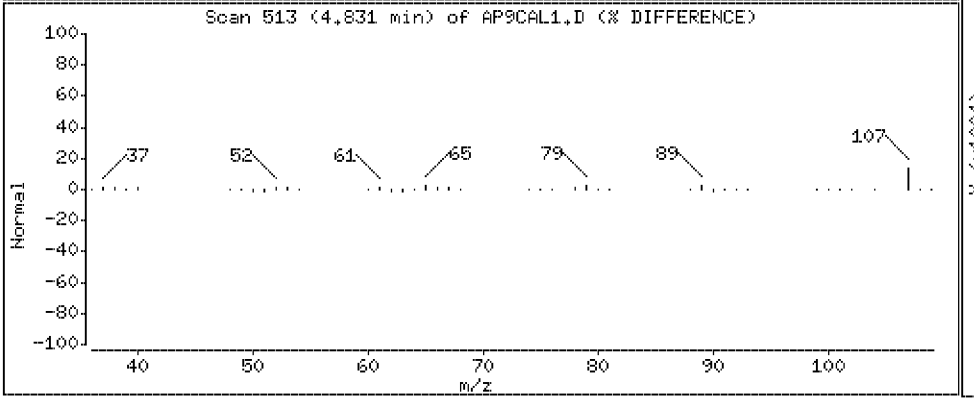
29 o-Toluidine

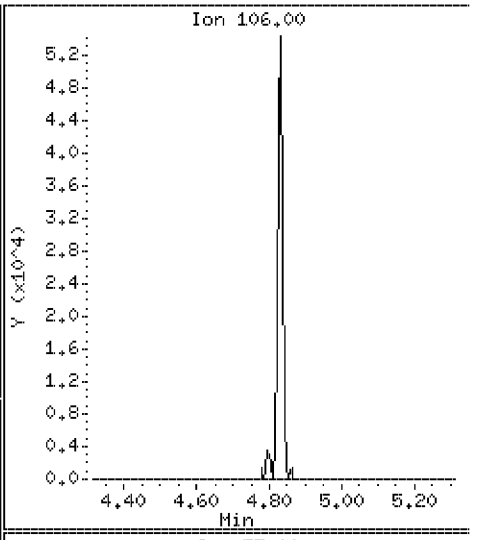
Concentration: 3.6 ug/l

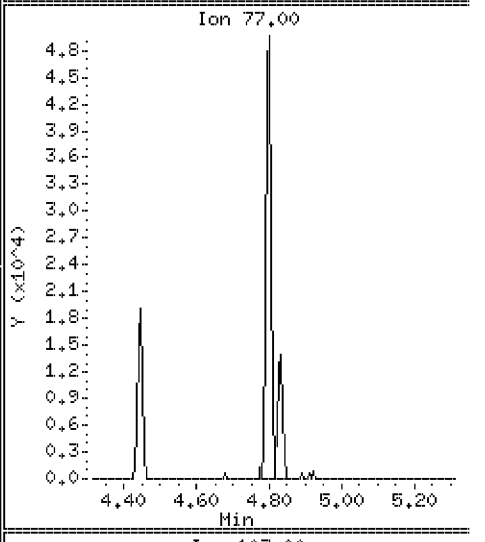


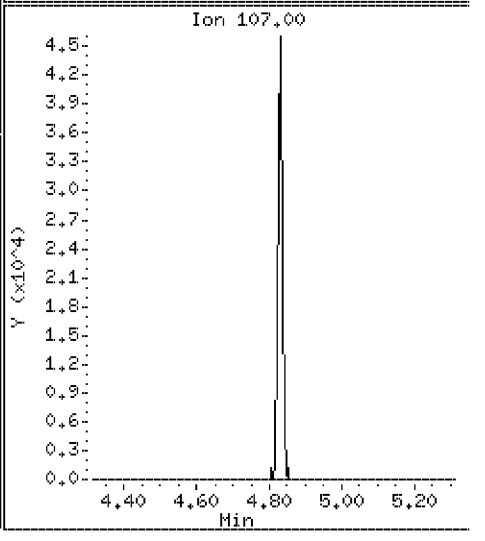












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

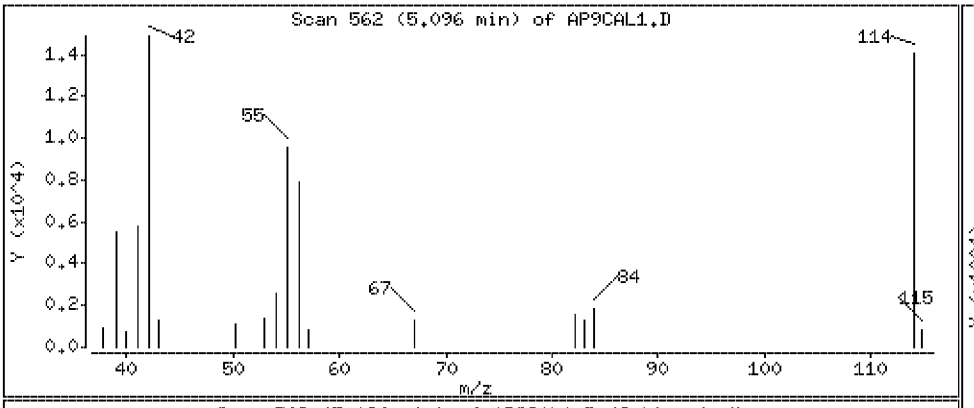
Operator: PEL

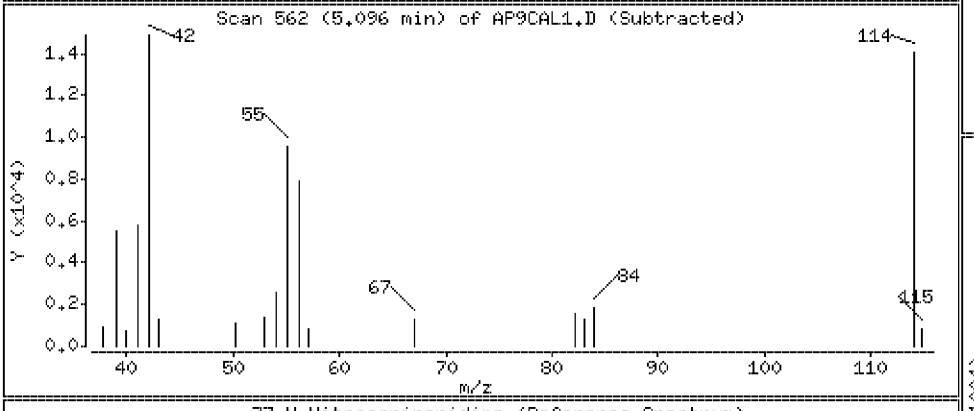
Column phase: HPMS-5

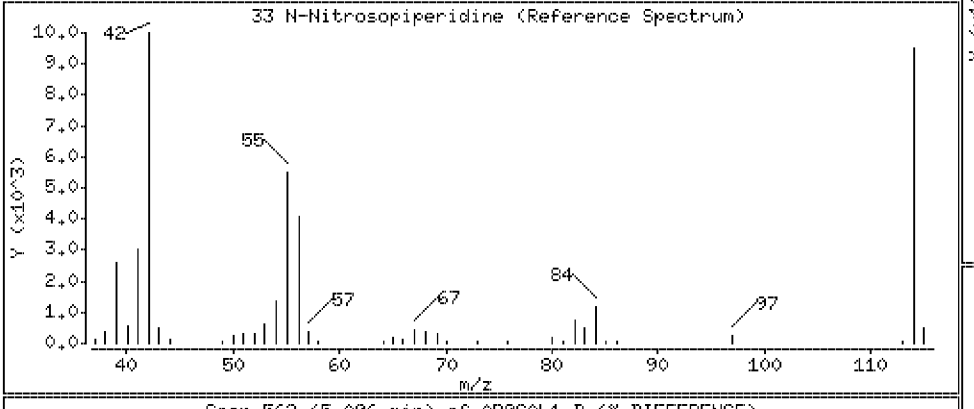
Column diameter: 0.25

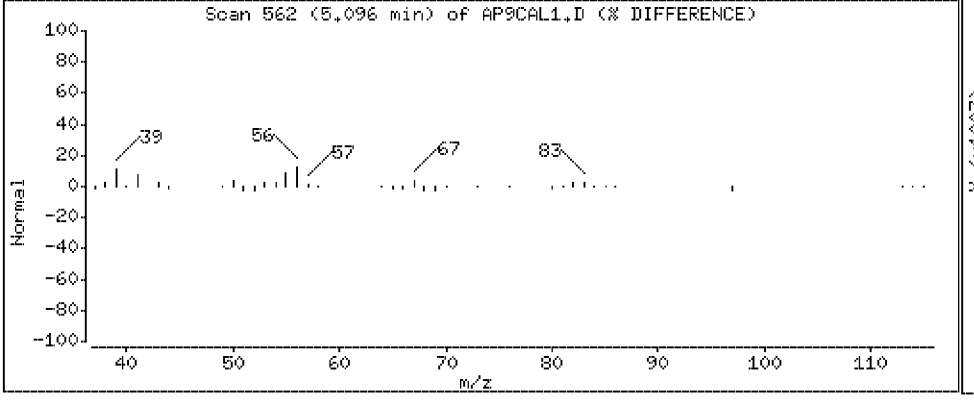
33 N-Nitrosopiperidine

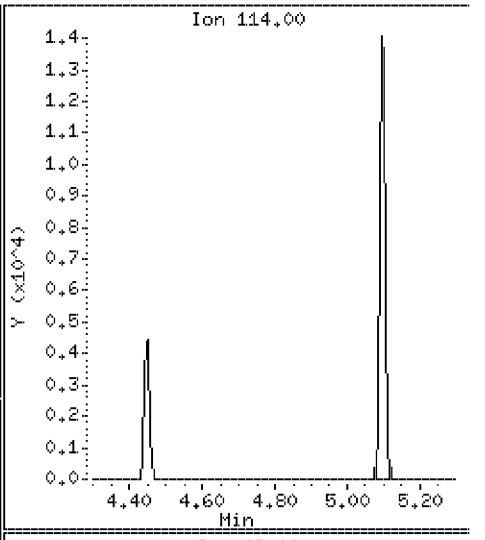
Concentration: 3.6 ug/l

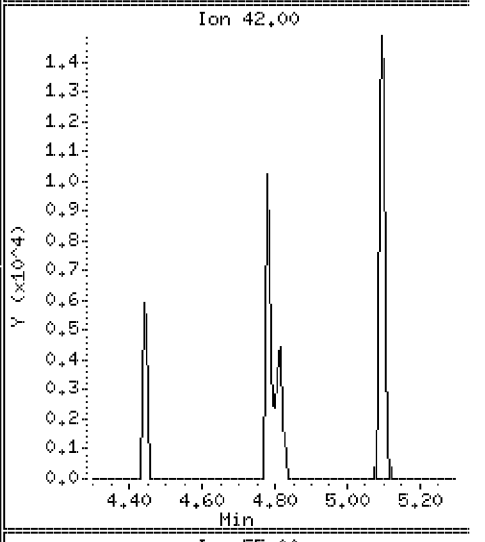


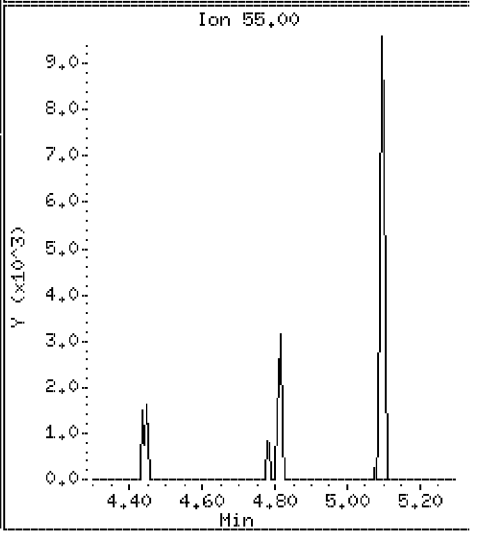












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

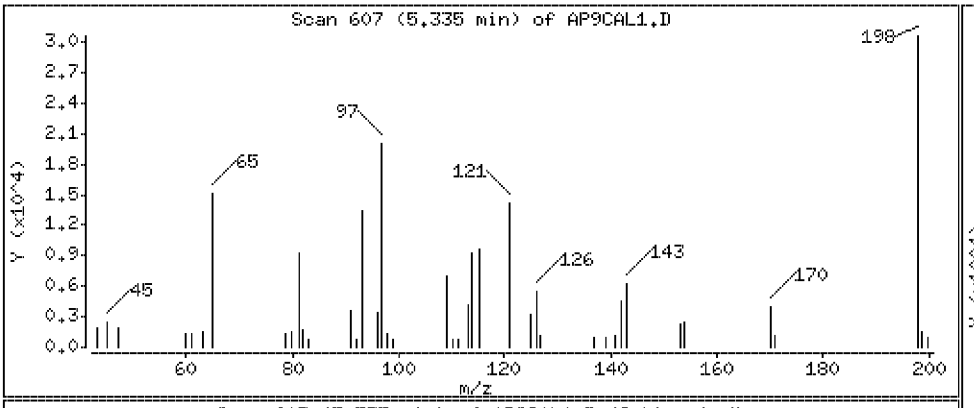
Operator: PEL

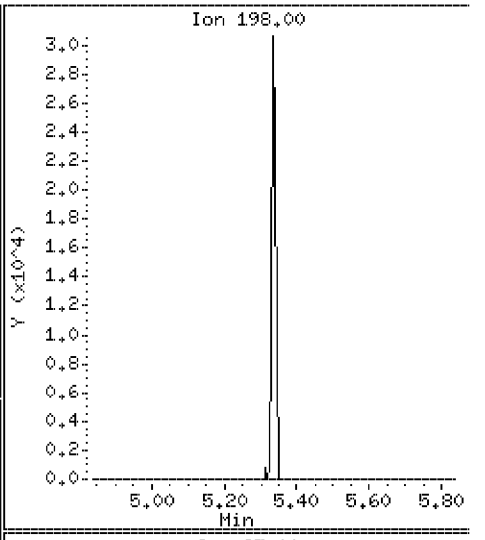
Column phase: HPMS-5

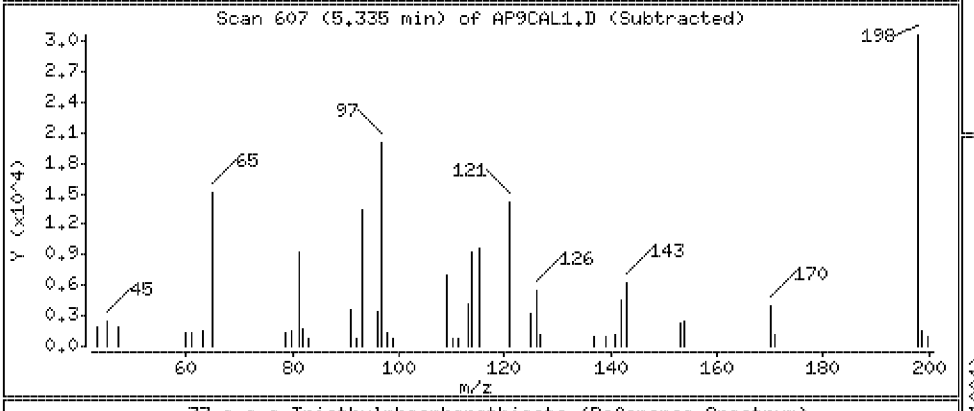
Column diameter: 0.25

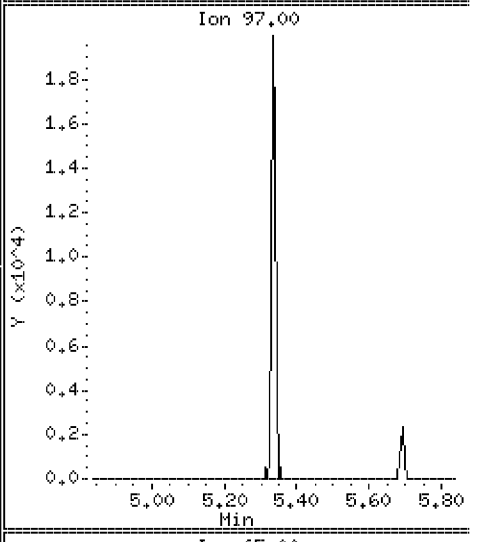
37 o,o,o-Triethylphosphorothioate

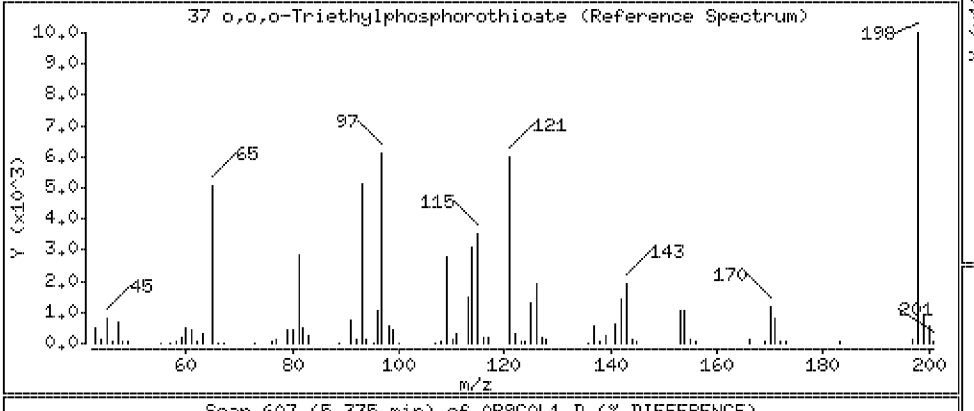
Concentration: 3.6 ug/l

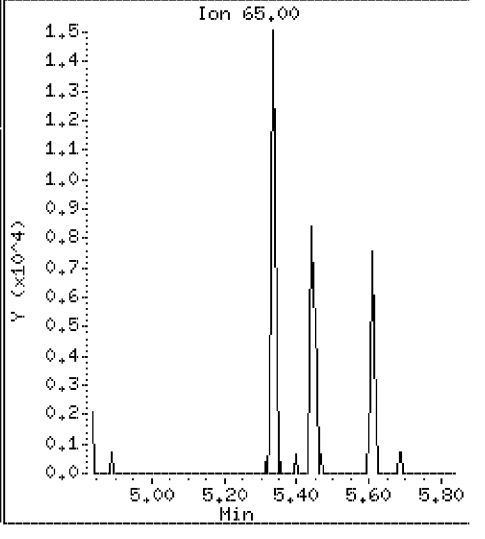


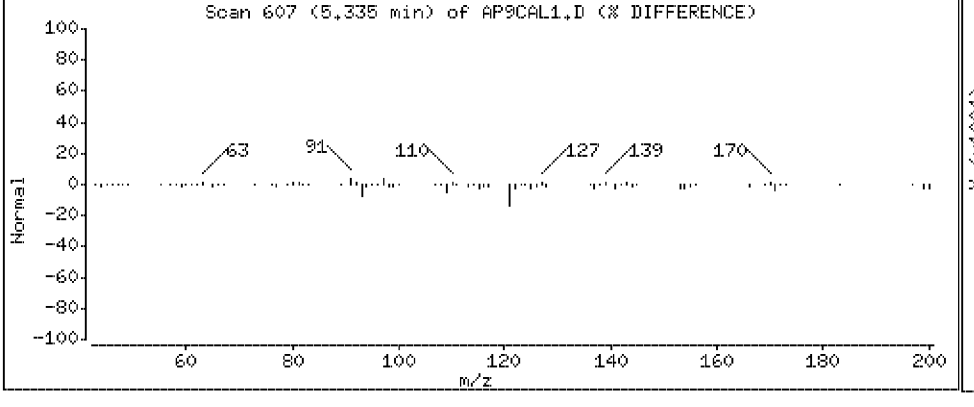












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

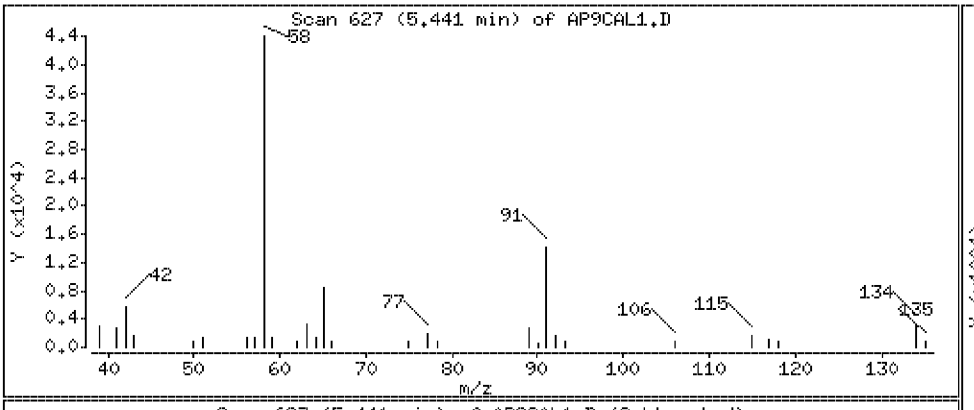
Operator: PEL

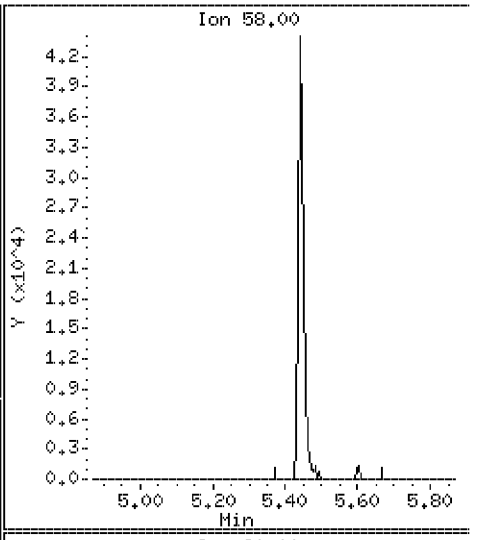
Column phase: HPMS-5

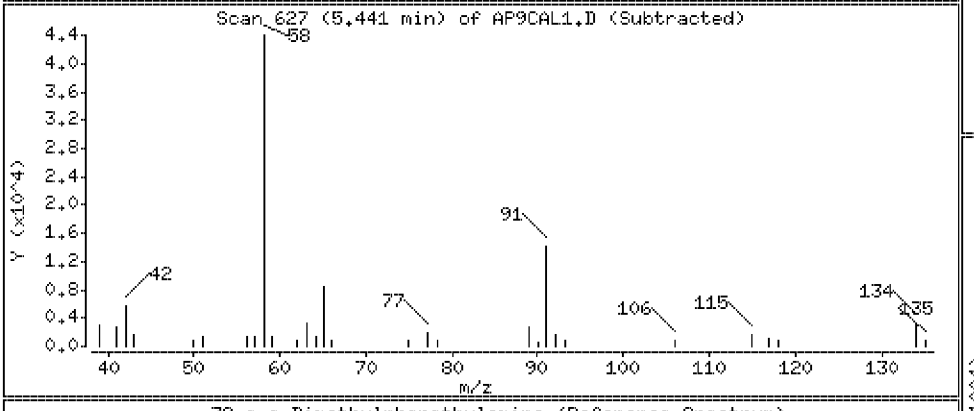
Column diameter: 0.25

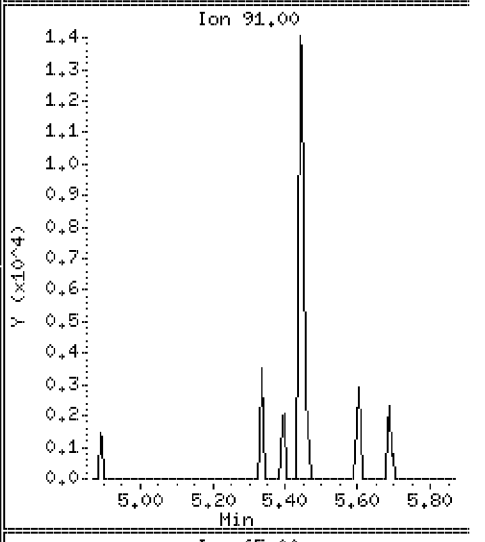
39 a,a-Dimethylphenethylamine

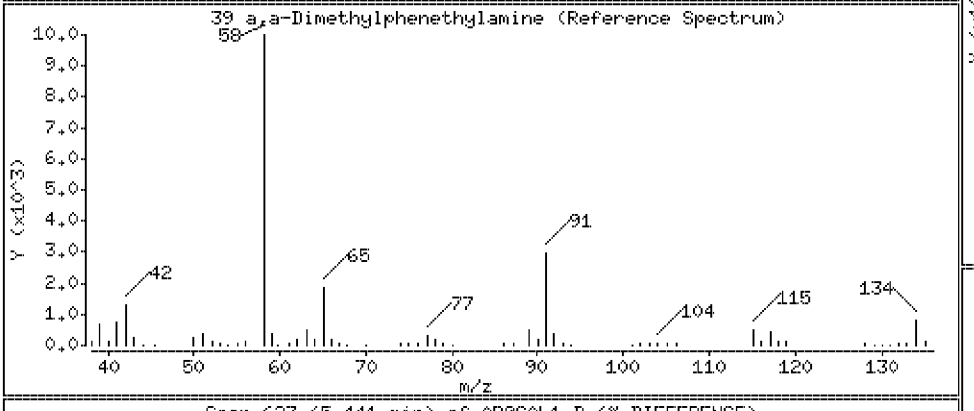
Concentration: 3.3 ug/l

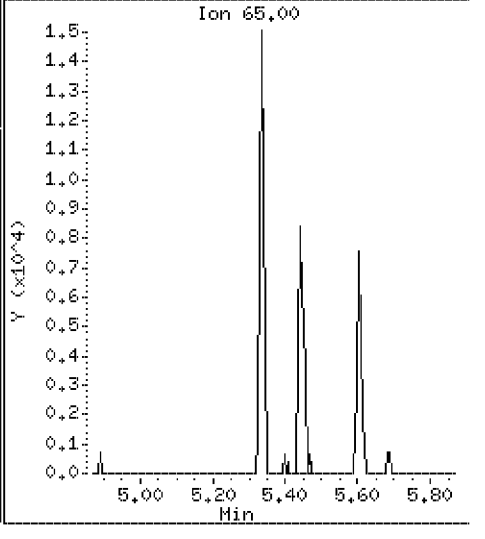


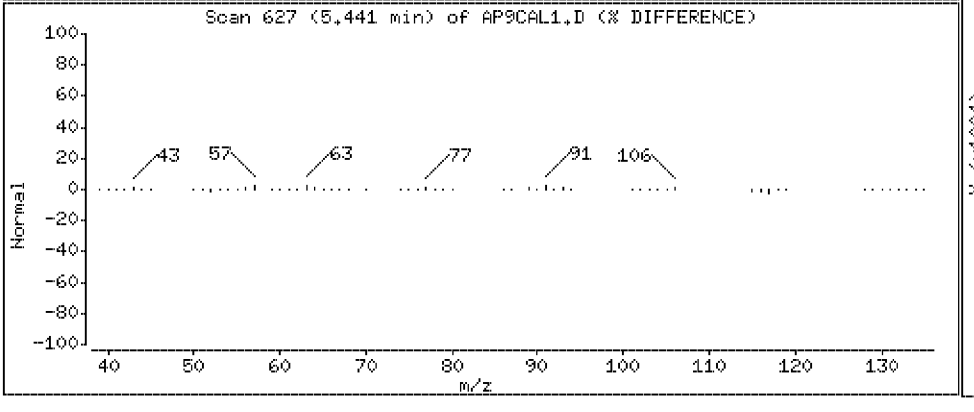












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

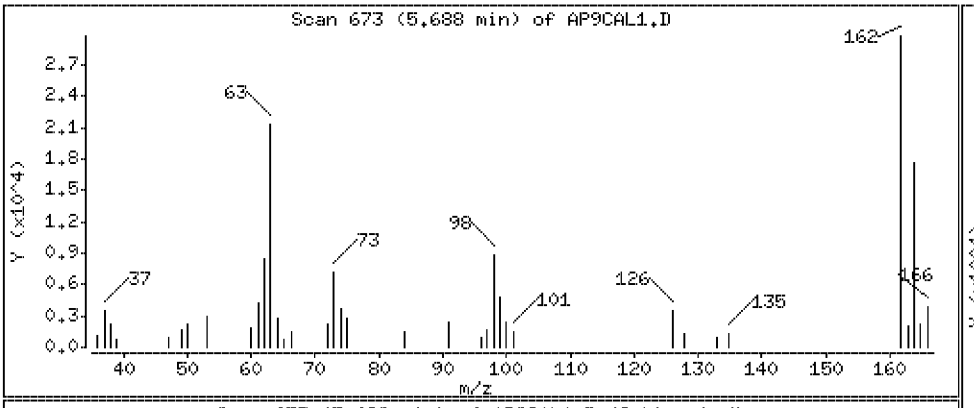
Operator: PEL

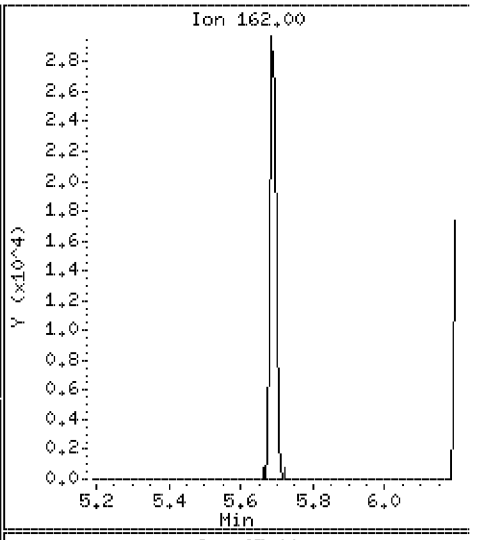
Column phase: HPMS-5

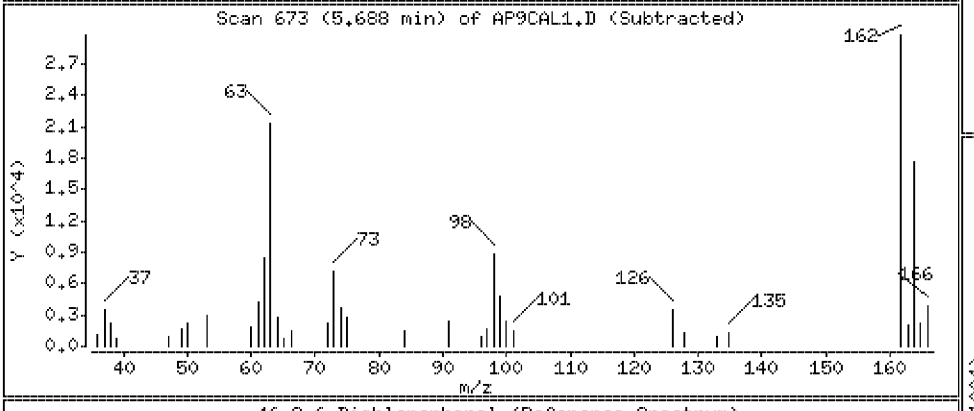
Column diameter: 0.25

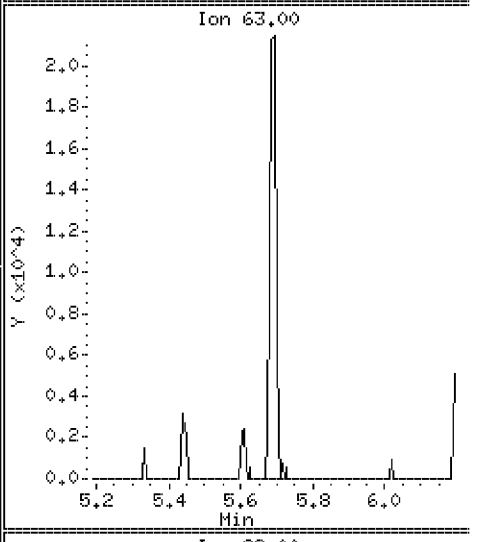
46 2,6-Dichlorophenol

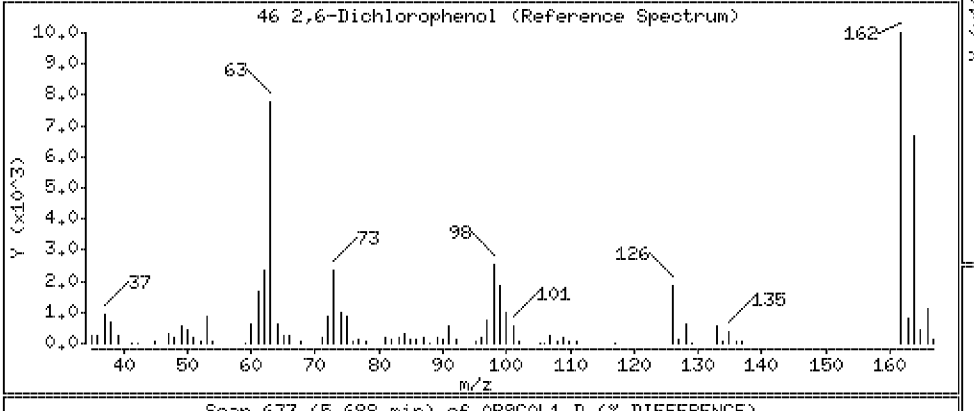
Concentration: 3.5 ug/l

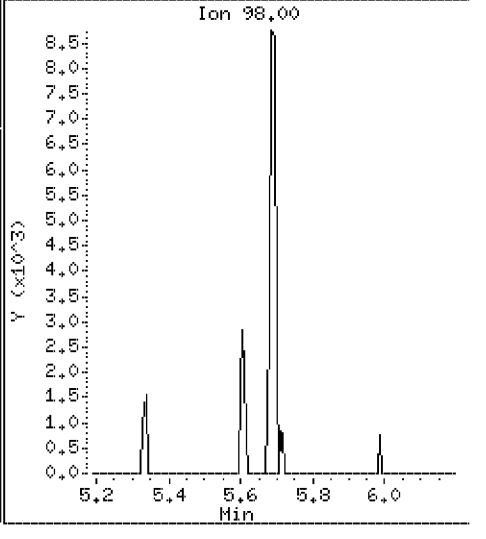


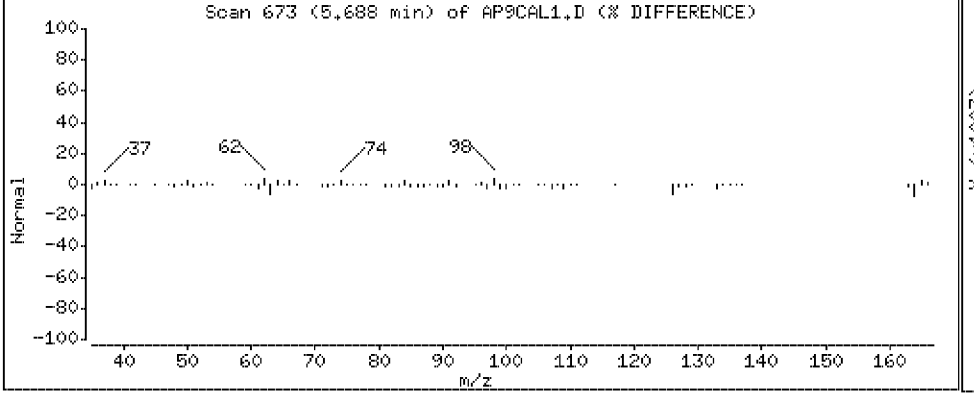












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

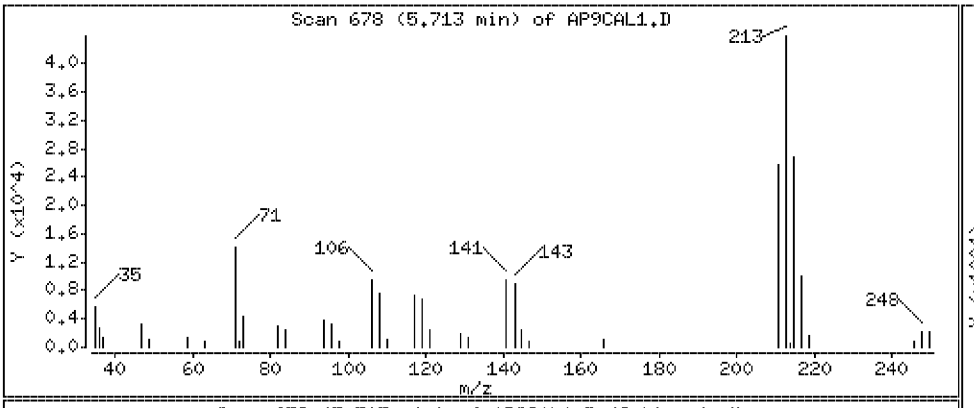
Operator: PEL

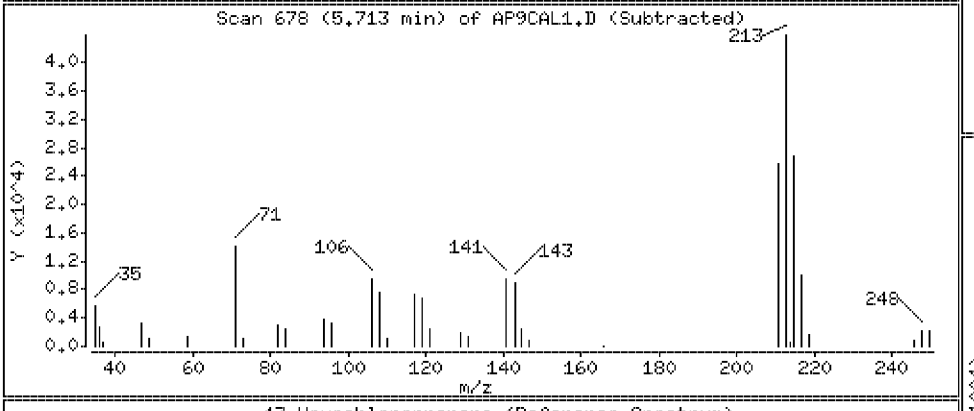
Column phase: HPMS-5

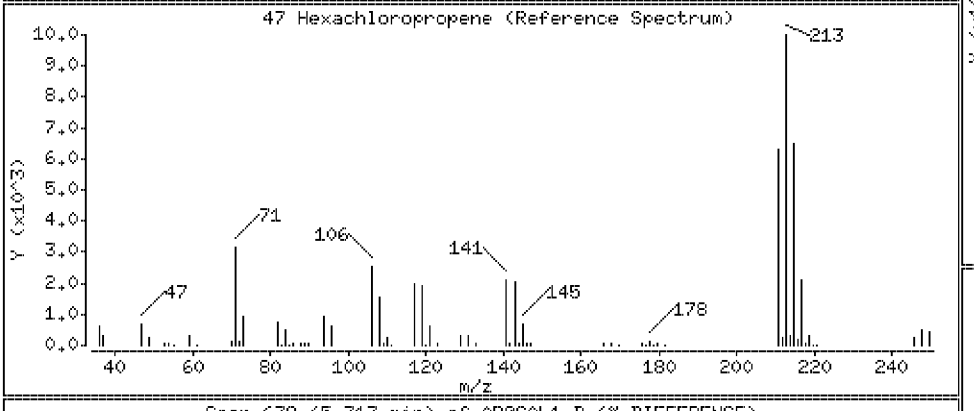
Column diameter: 0.25

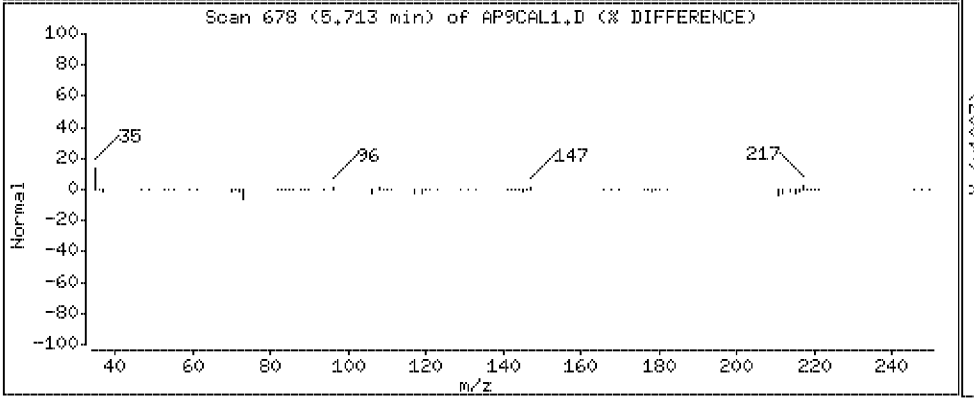
47 Hexachloropropene

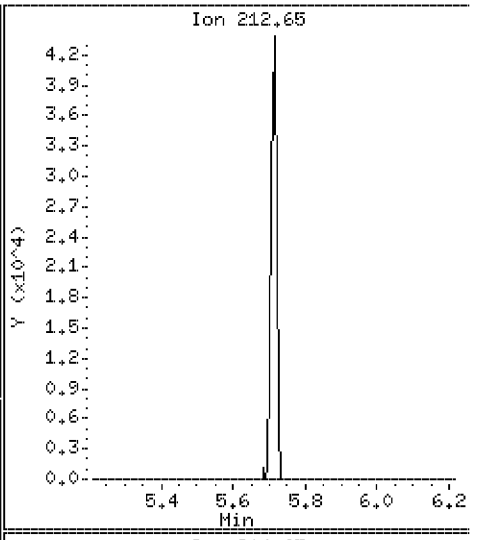
Concentration: 3.7 ug/l

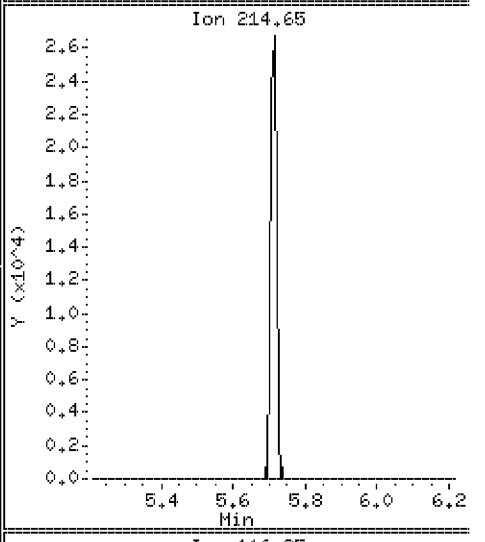


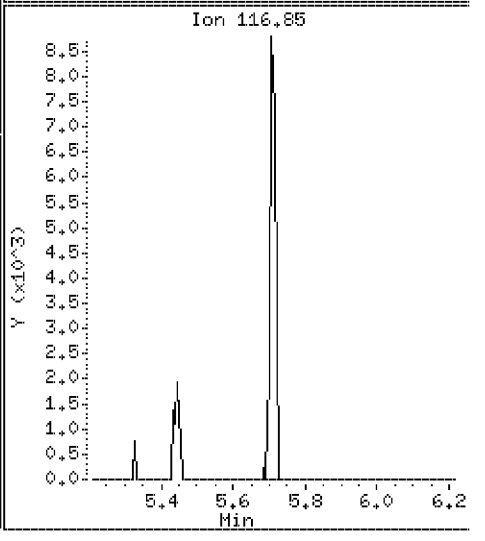












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

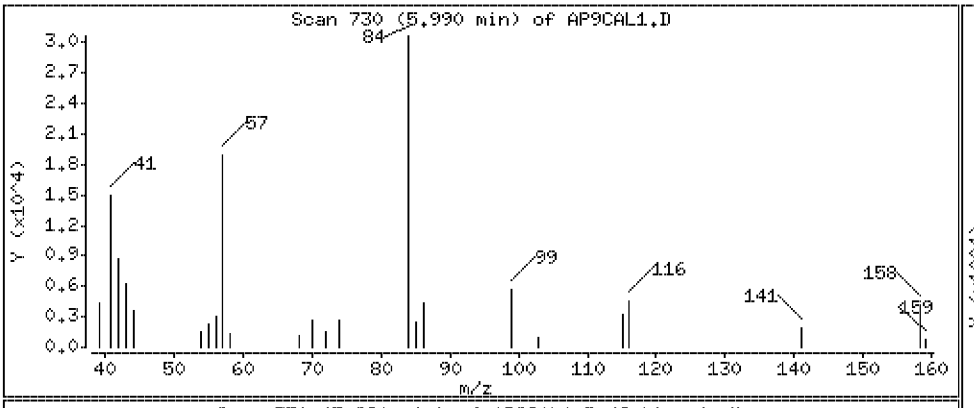
Operator: PEL

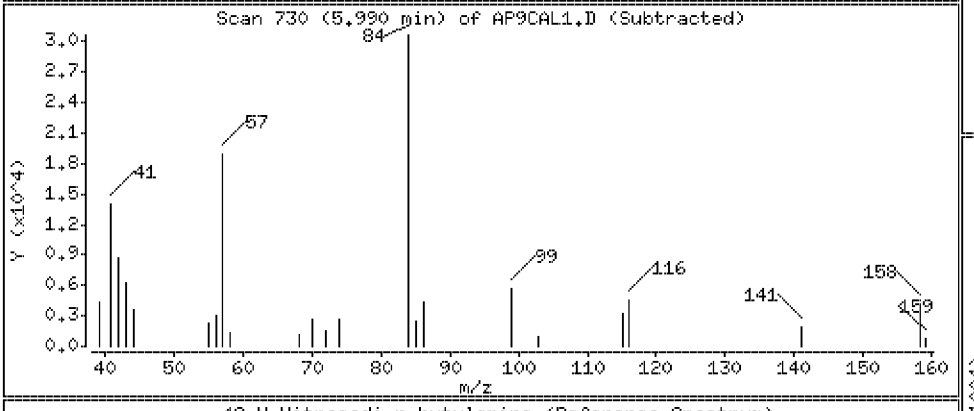
Column phase: HPMS-5

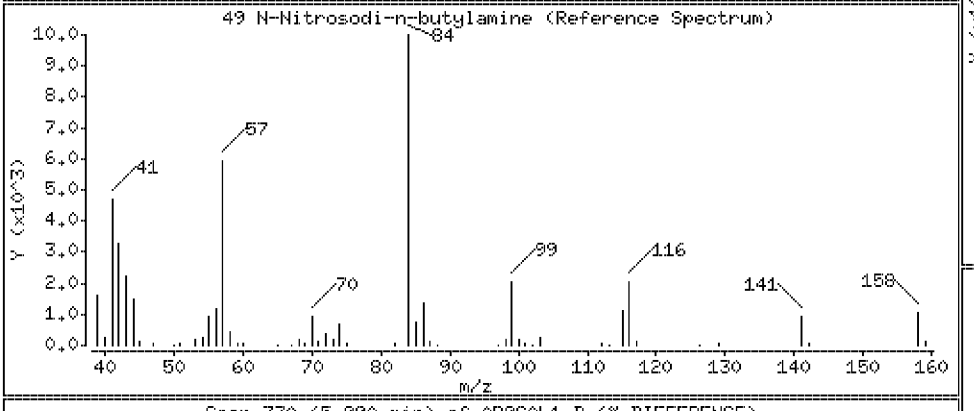
Column diameter: 0.25

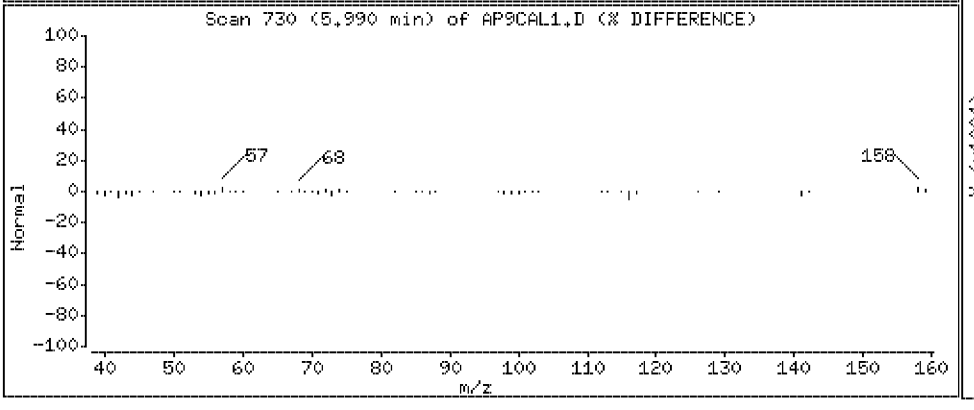
49 N-Nitrosodi-n-butylamine

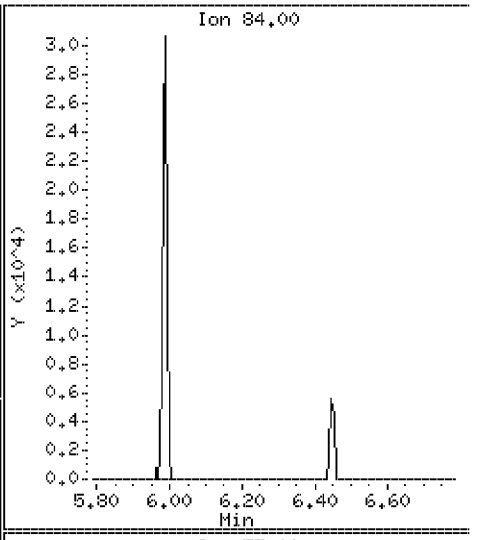
Concentration: 3.5 ug/l

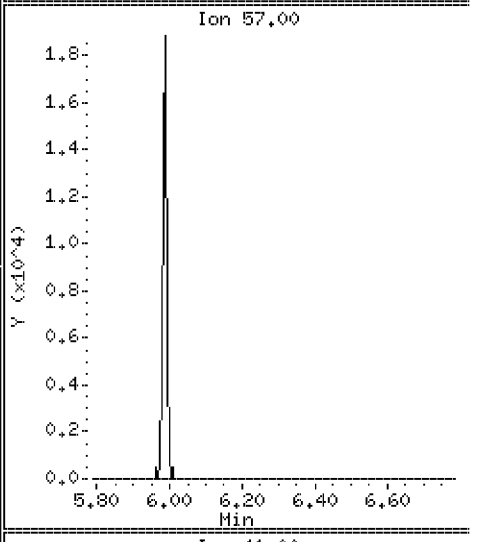


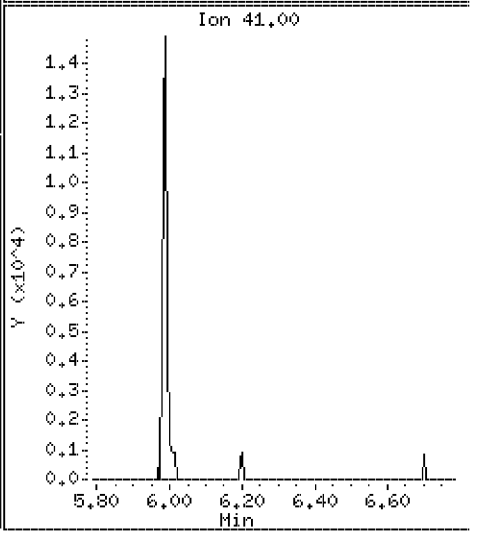












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

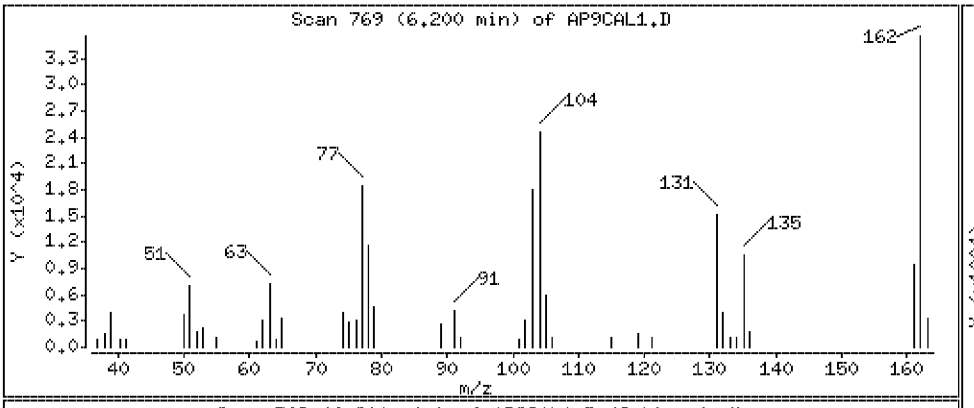
Operator: PEL

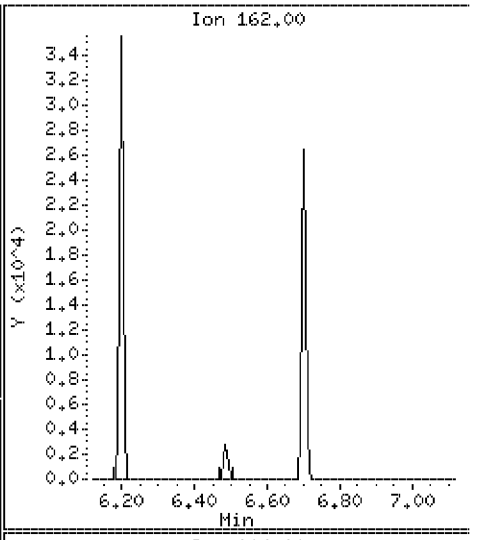
Column phase: HPMS-5

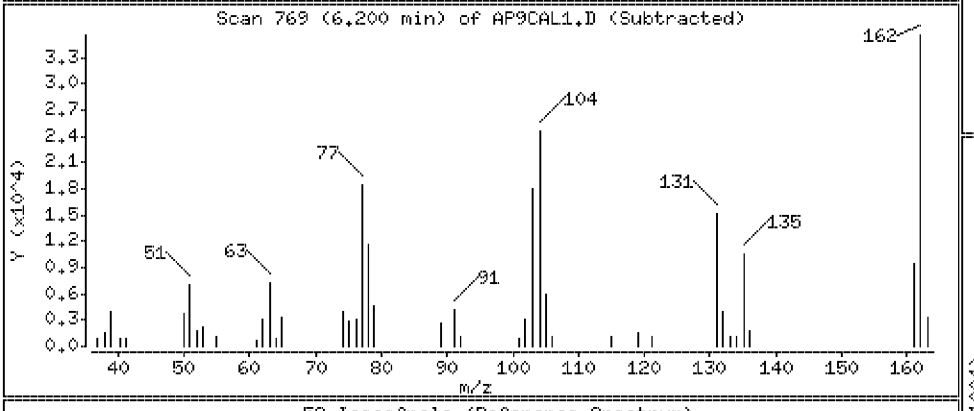
Column diameter: 0.25

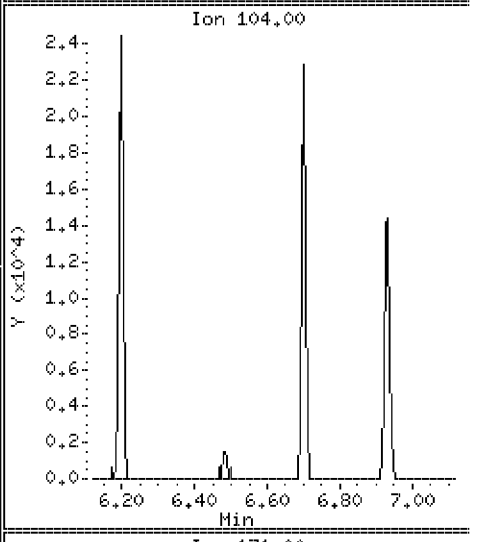
52 Isosafrole

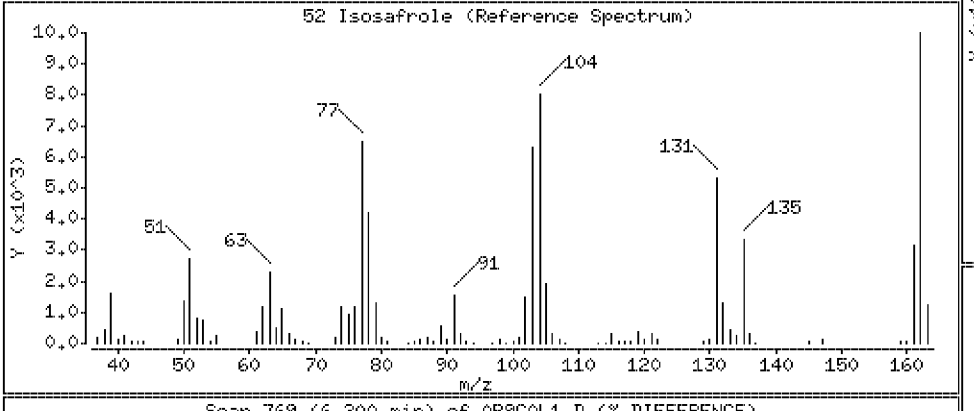
Concentration: 3.5 ug/l

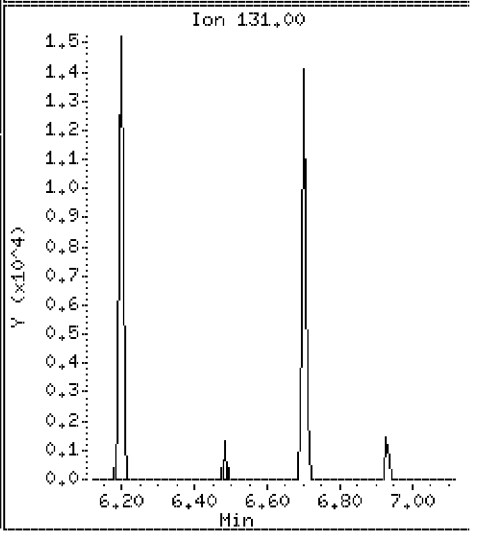


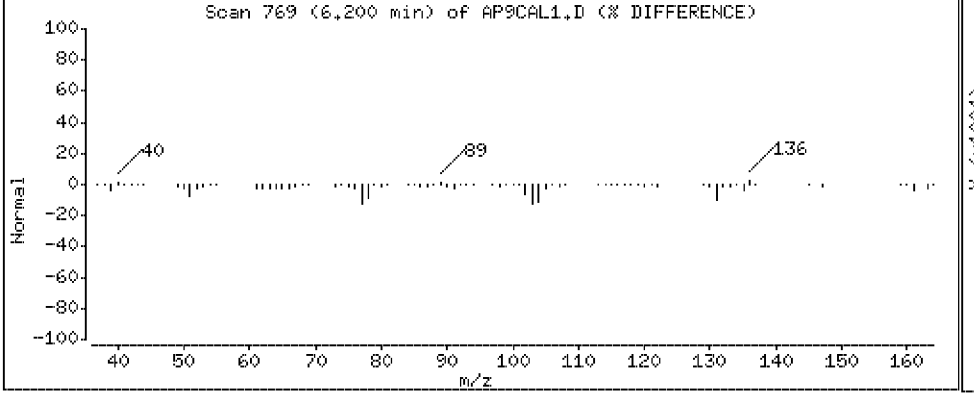












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

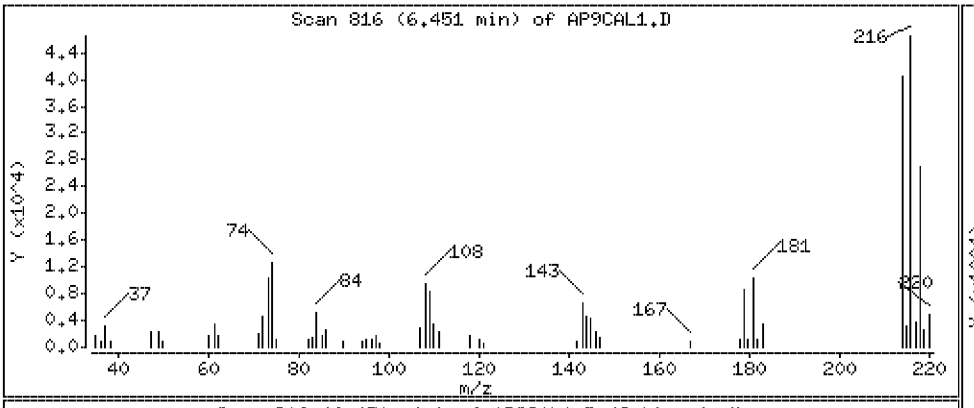
Operator: PEL

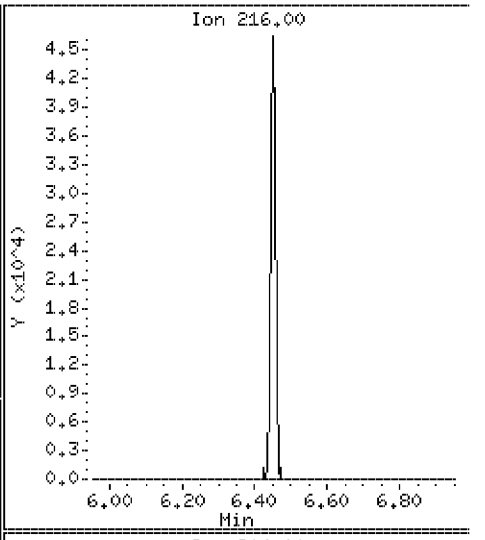
Column phase: HPMS-5

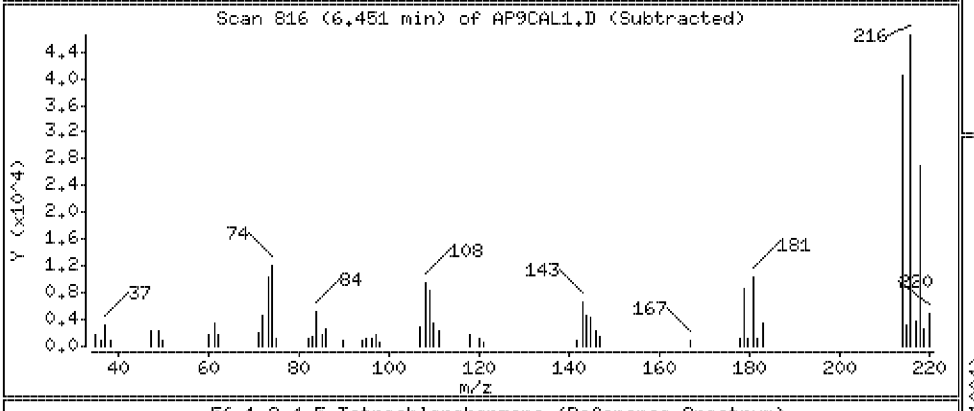
Column diameter: 0.25

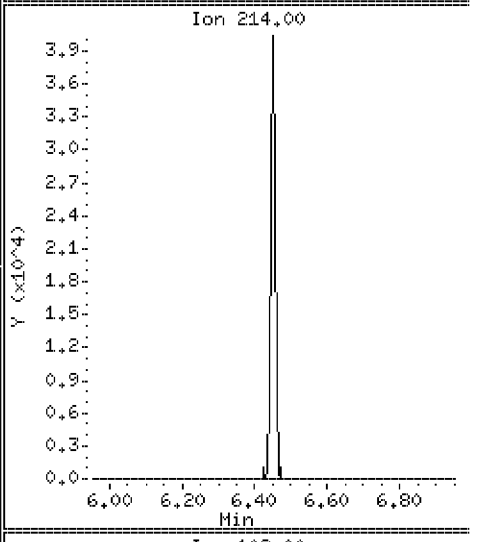
56 1,2,4,5-Tetrachlorobenzene

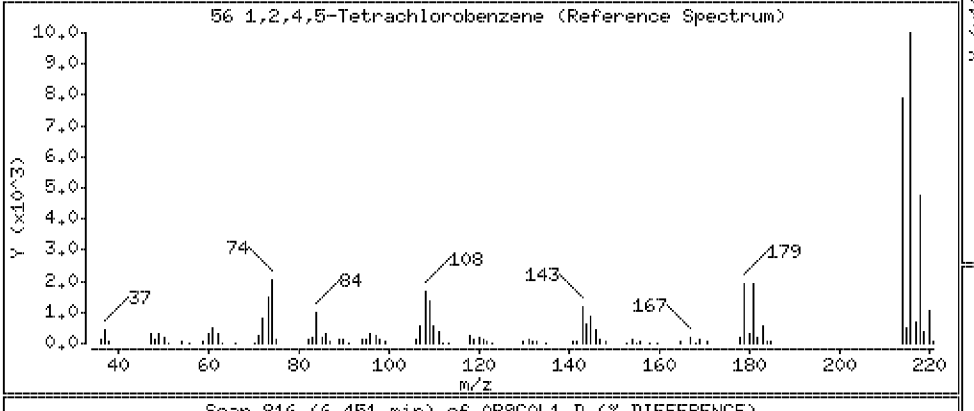
Concentration: 3.7 ug/l

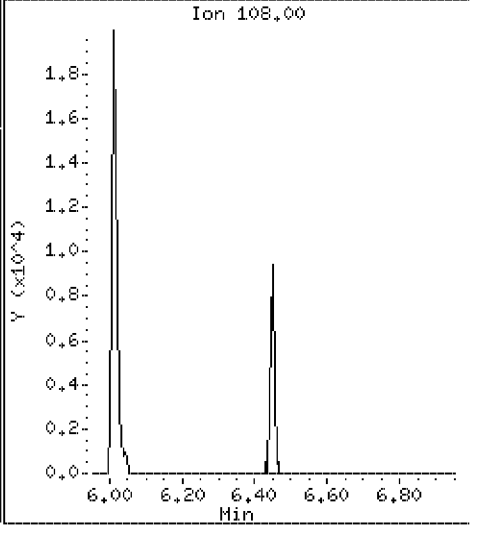


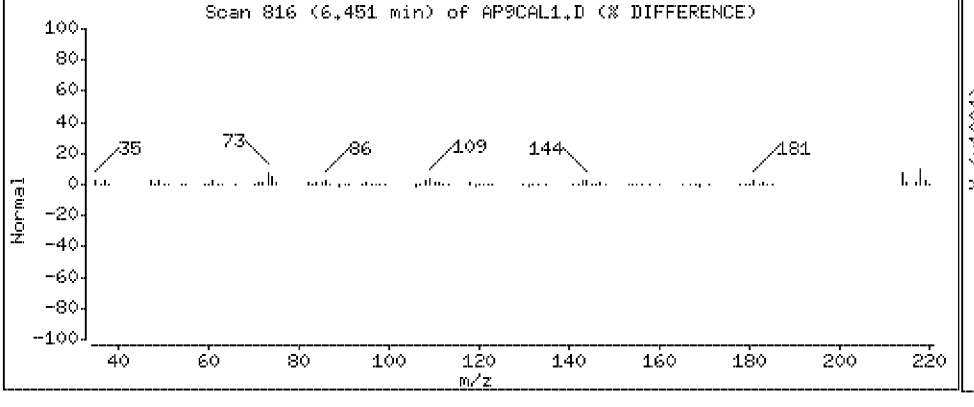












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

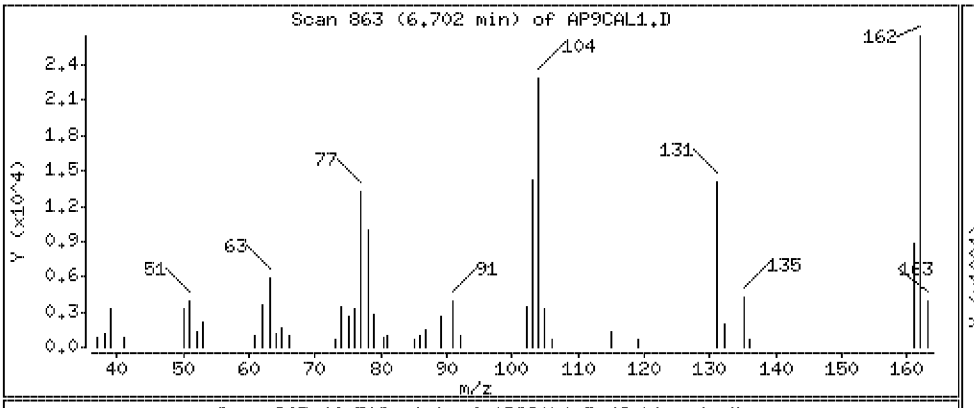
Operator: PEL

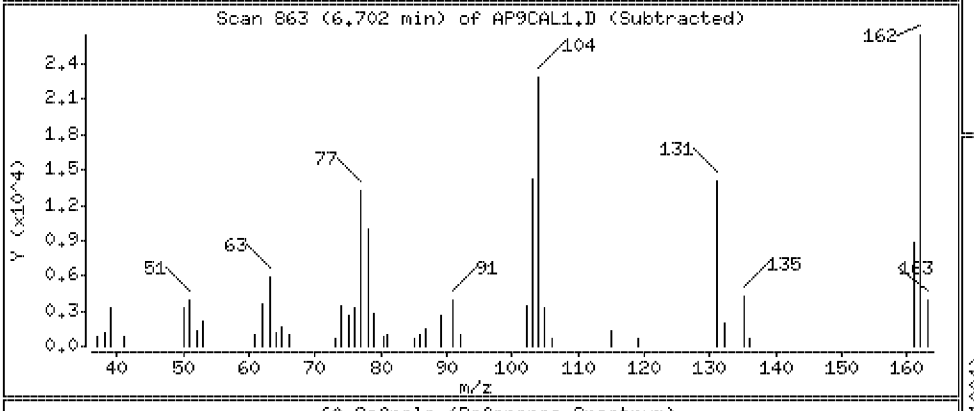
Column phase: HPMS-5

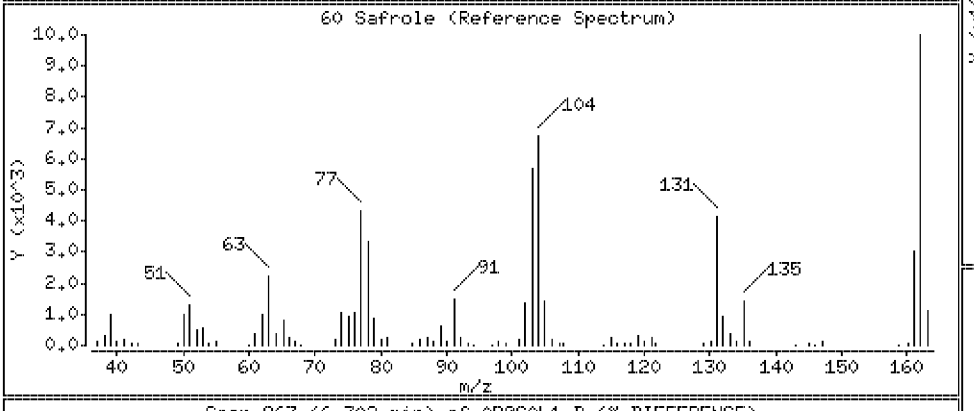
Column diameter: 0.25

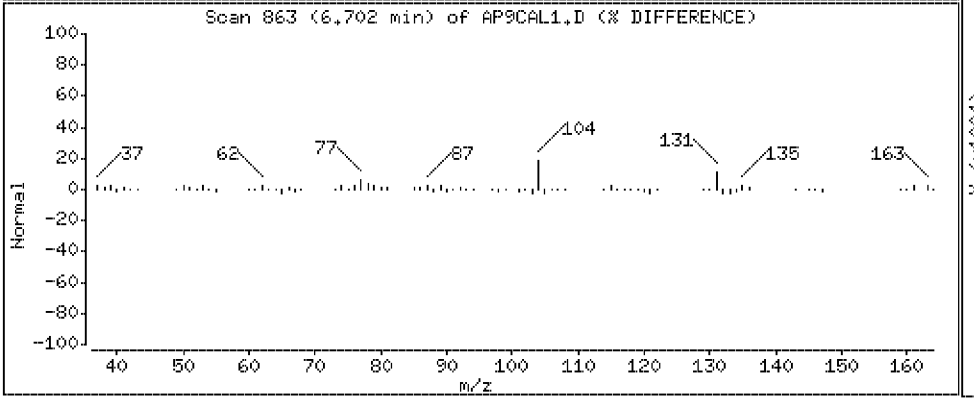
60 Safrole

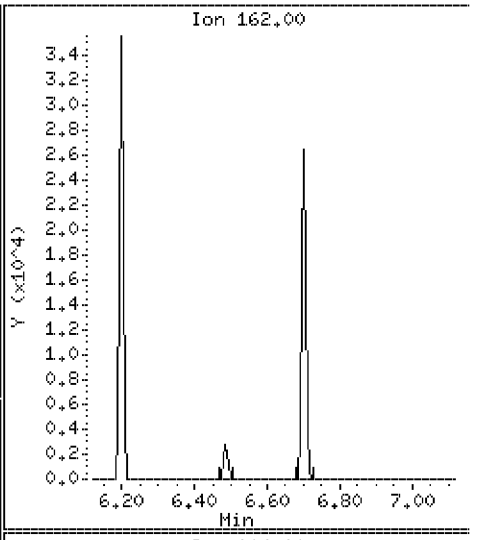
Concentration: 3.2 ug/l

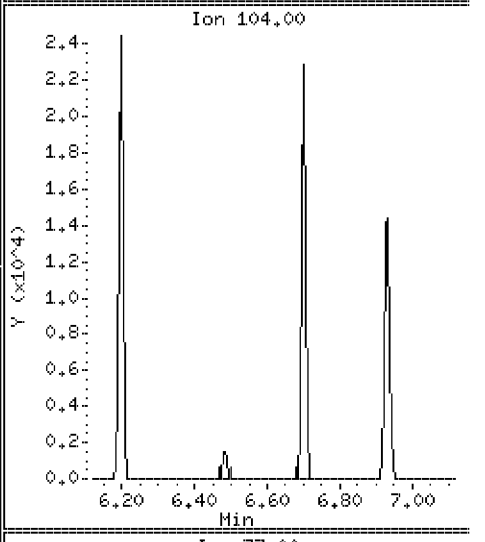


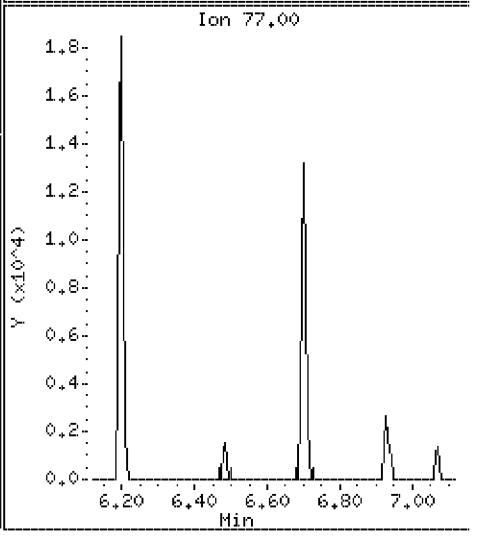












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

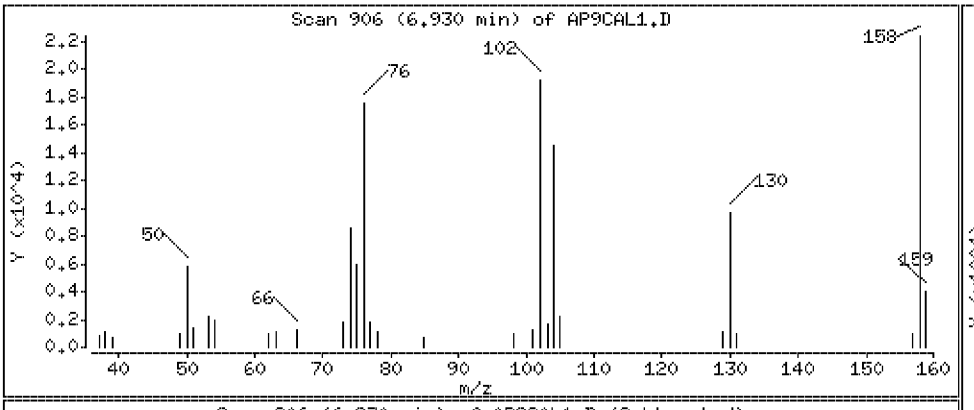
Operator: PEL

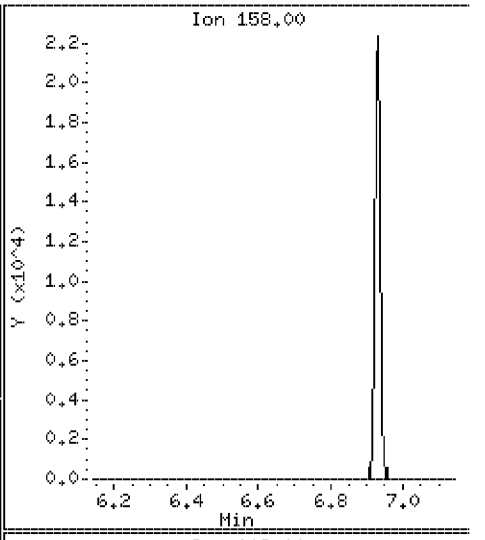
Column phase: HPMS-5

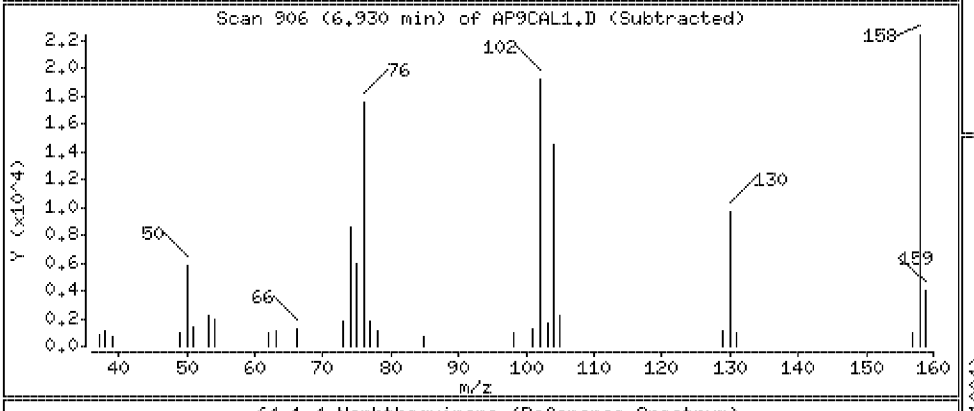
Column diameter: 0.25

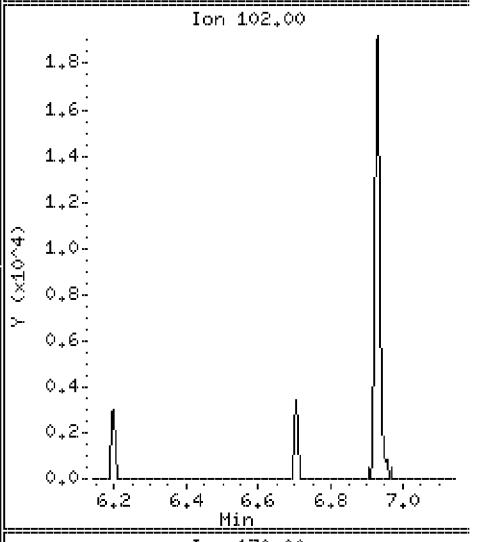
64 1,4-Naphthoquinone

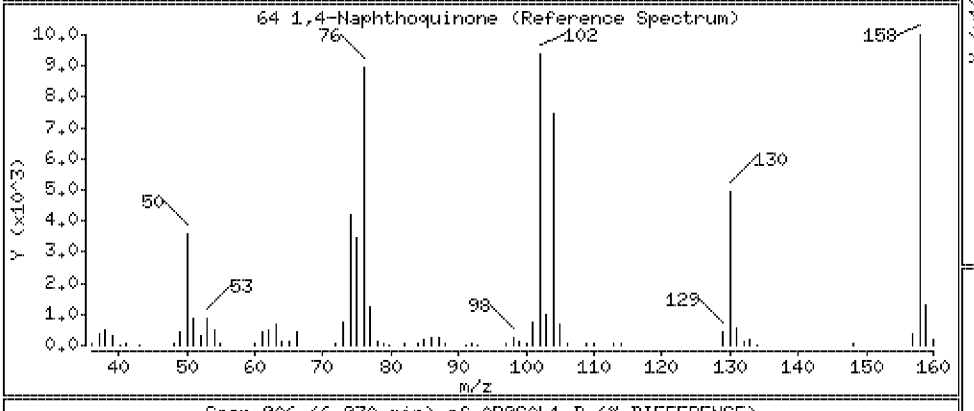
Concentration: 3.4 ug/l

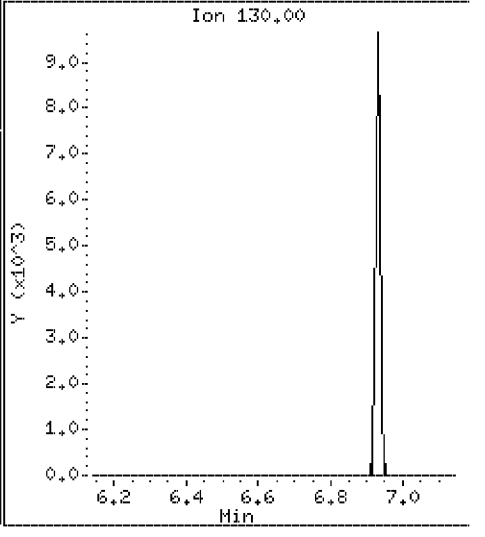


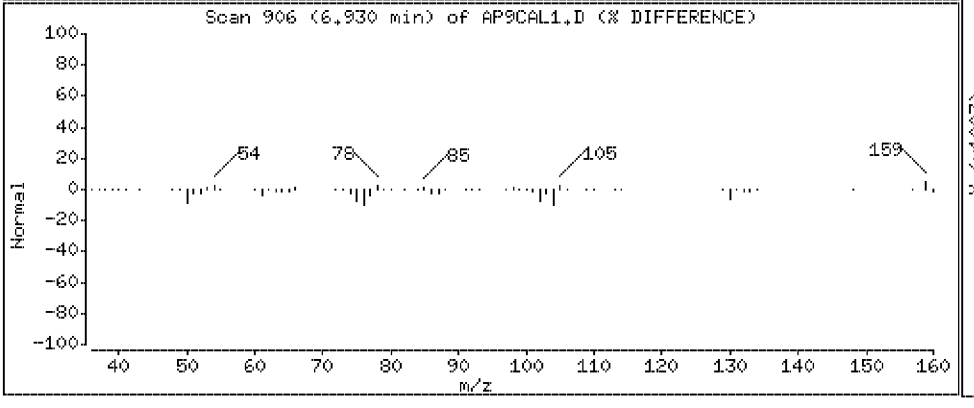












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

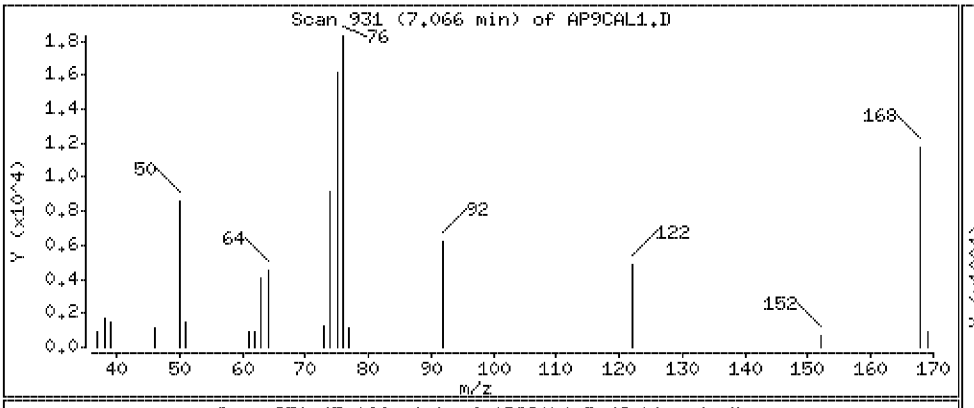
Operator: PEL

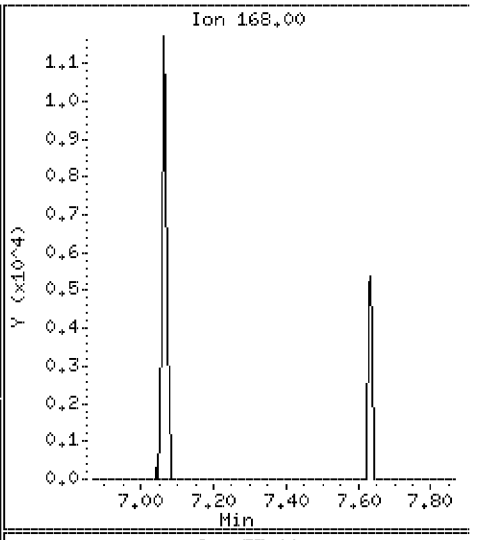
Column phase: HPMS-5

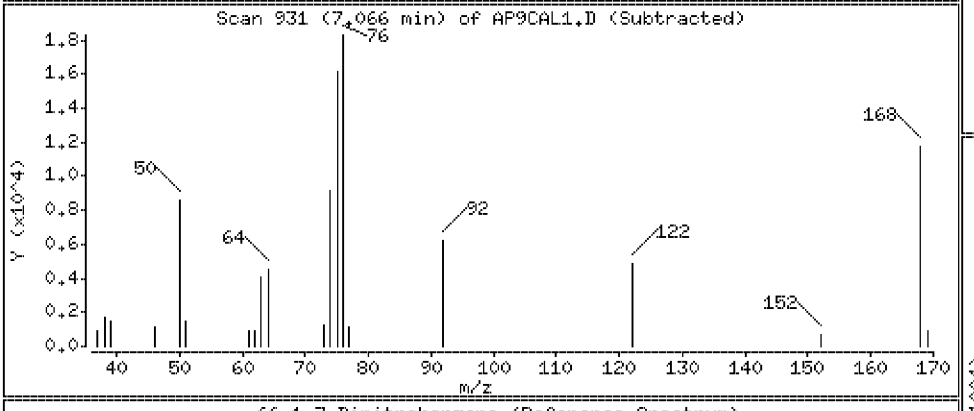
Column diameter: 0.25

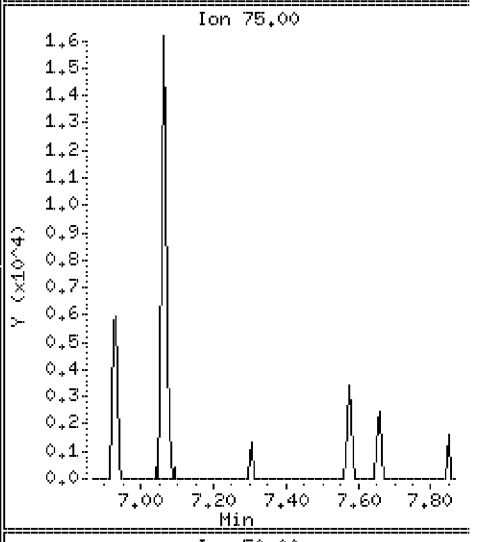
66 1,3-Dinitrobenzene

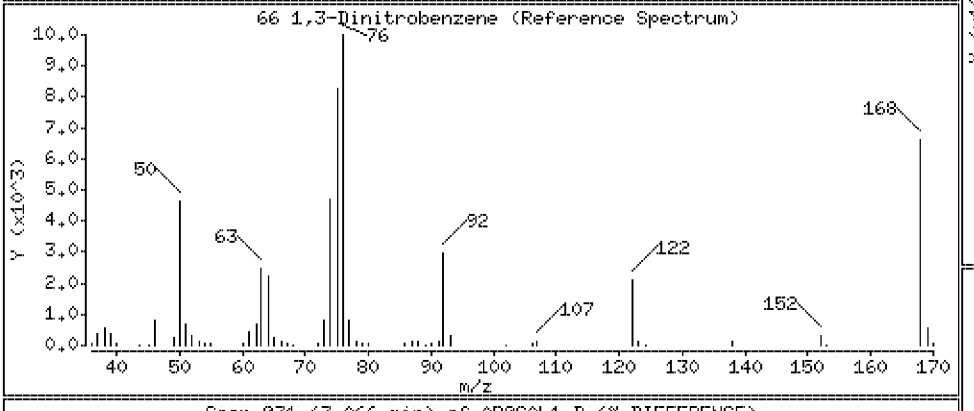
Concentration: 3.4 ug/l

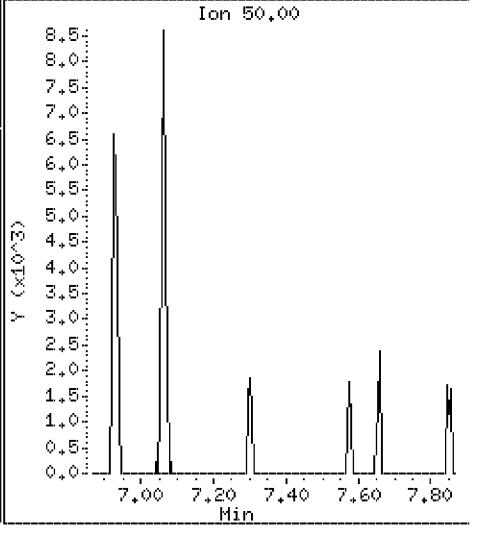


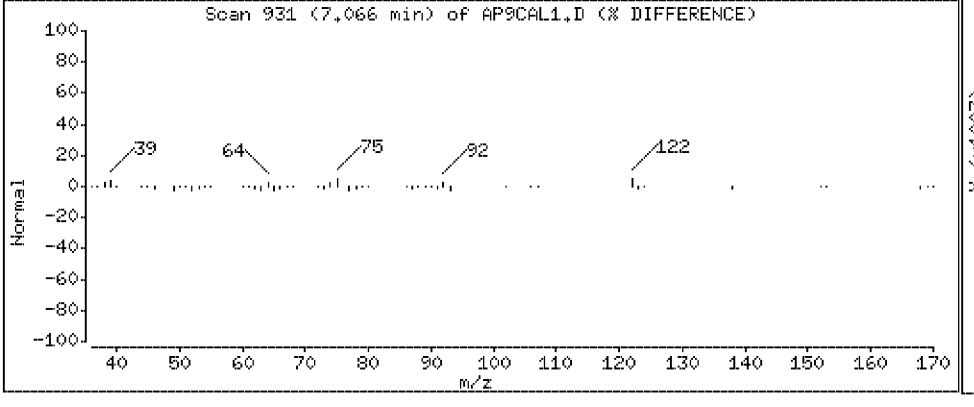












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

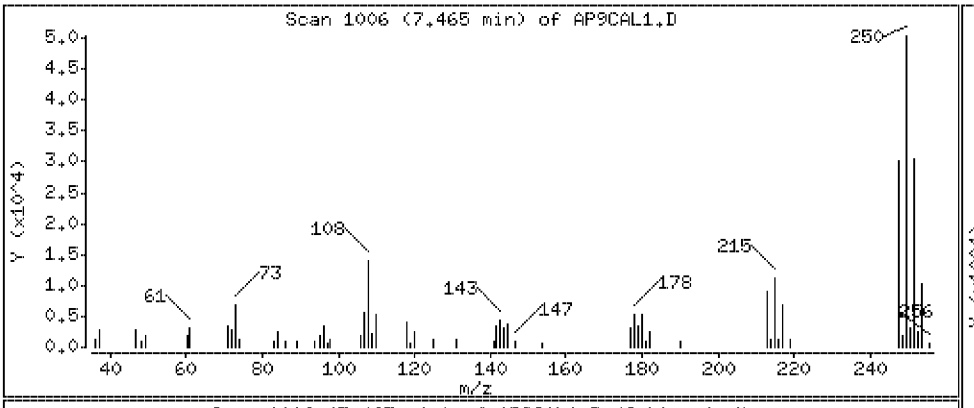
Operator: PEL

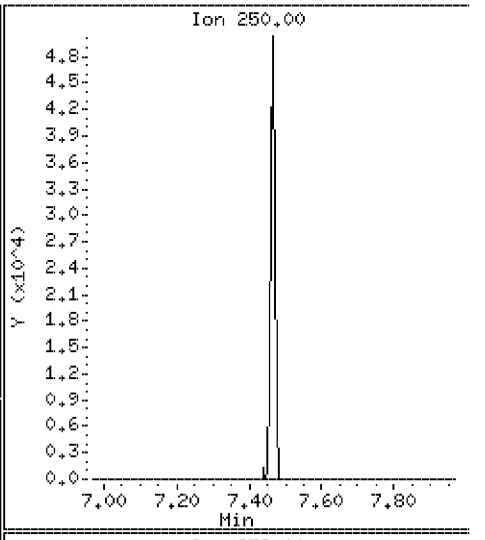
Column phase: HPMS-5

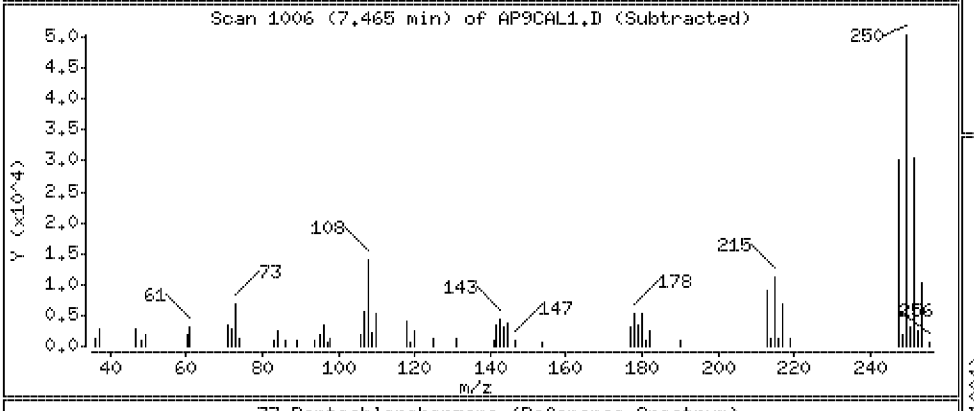
Column diameter: 0.25

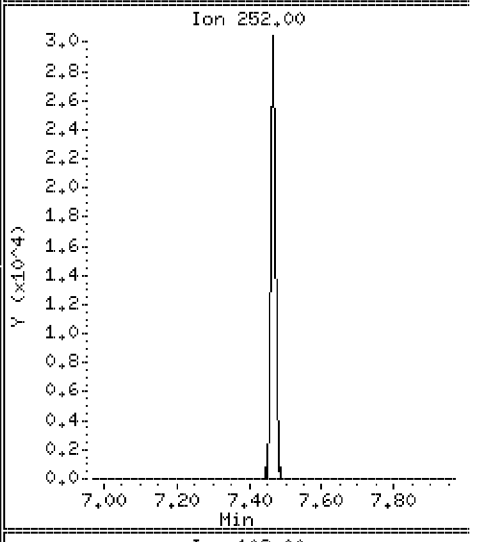
73 Pentachlorobenzene

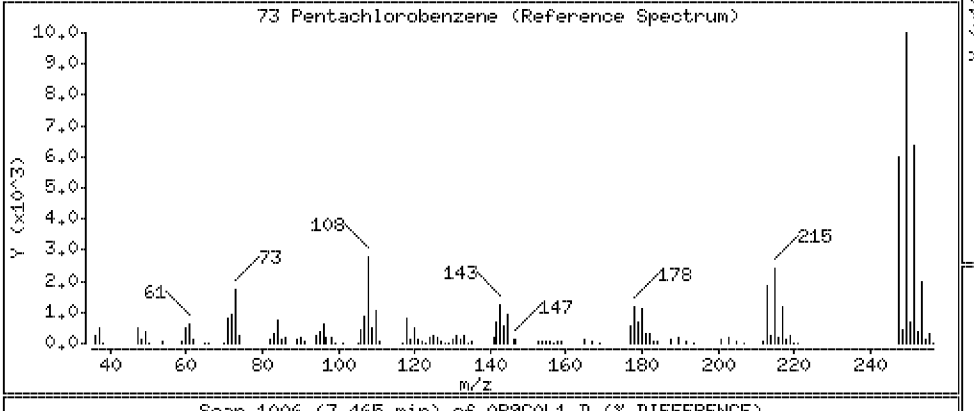
Concentration: 3.6 ug/l

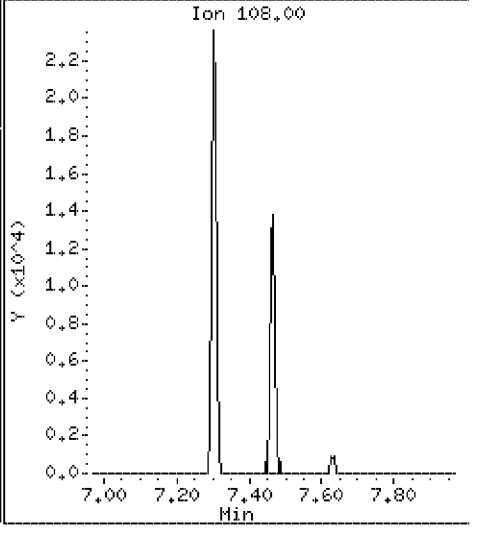


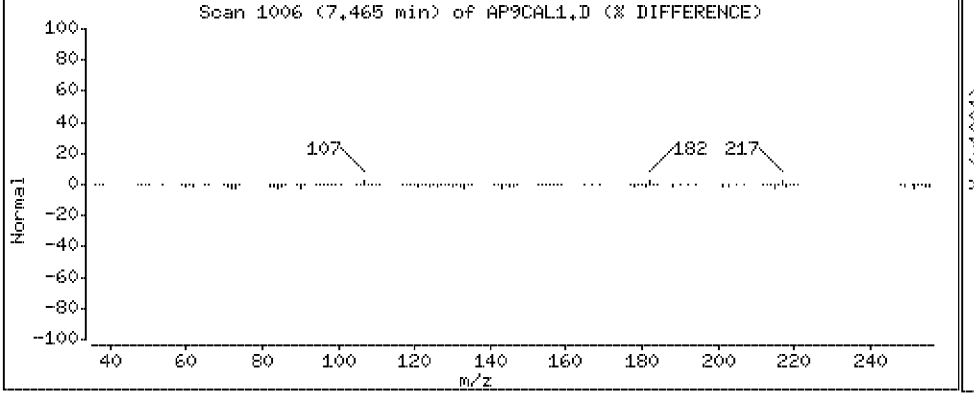












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

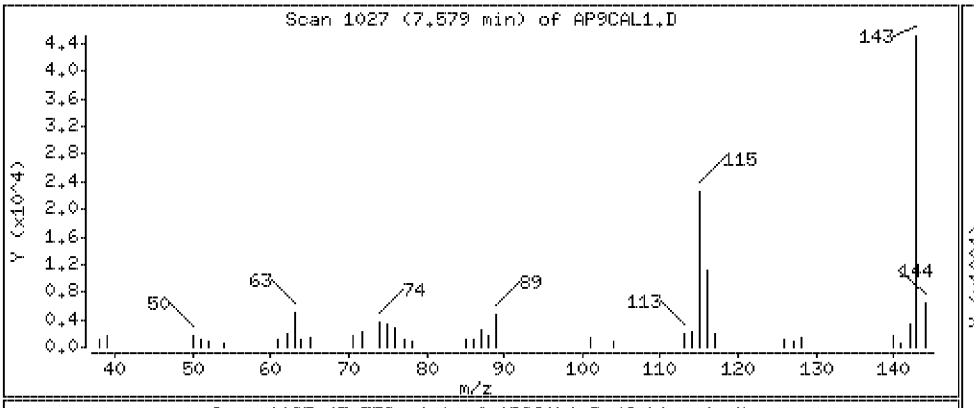
Operator: PEL

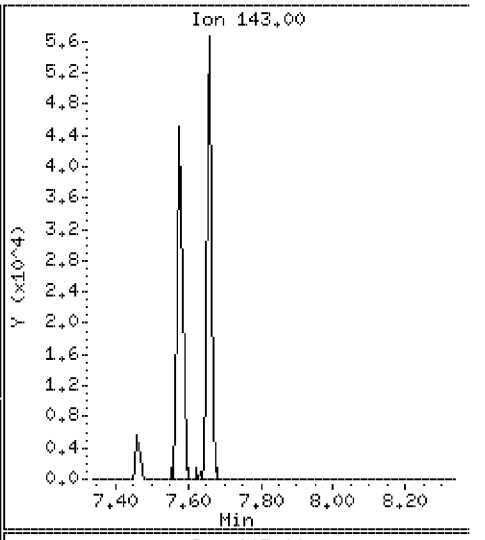
Column phase: HPMS-5

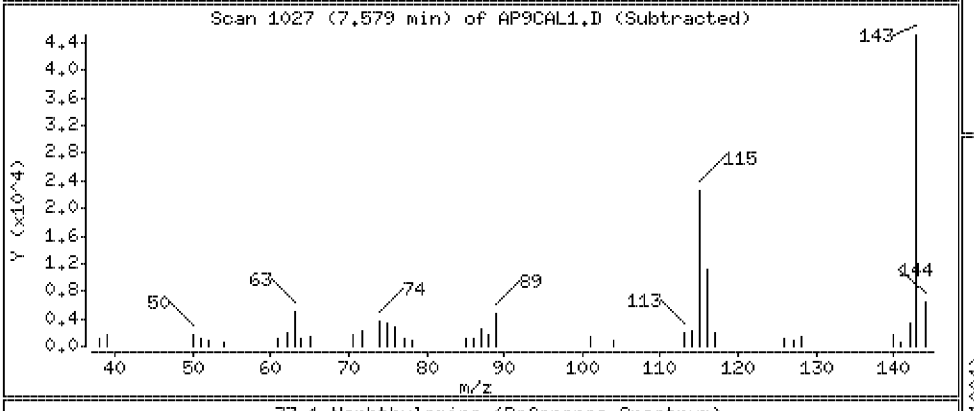
Column diameter: 0.25

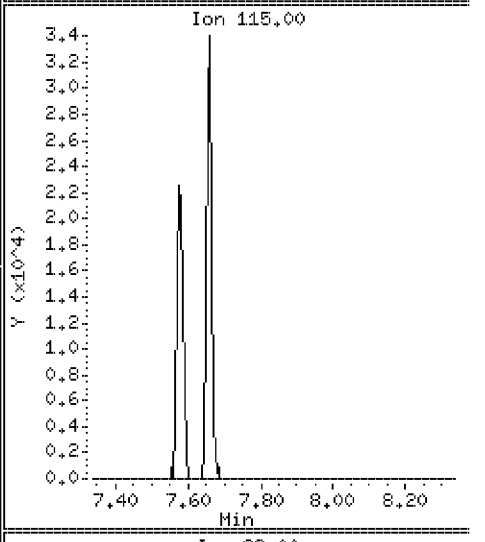
77 1-Naphthylamine

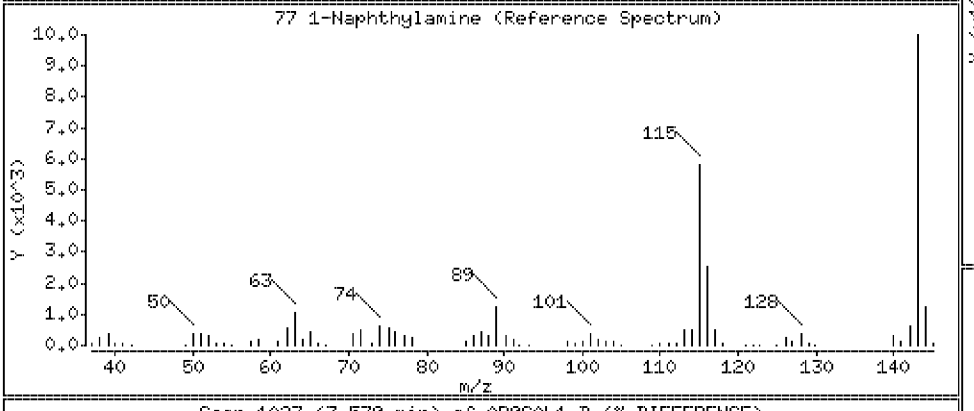
Concentration: 3.7 ug/l

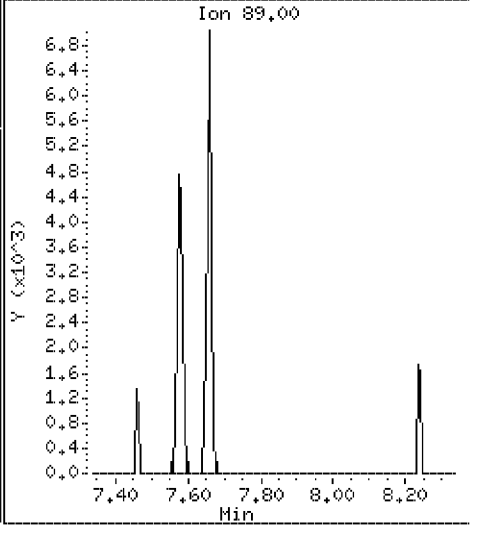


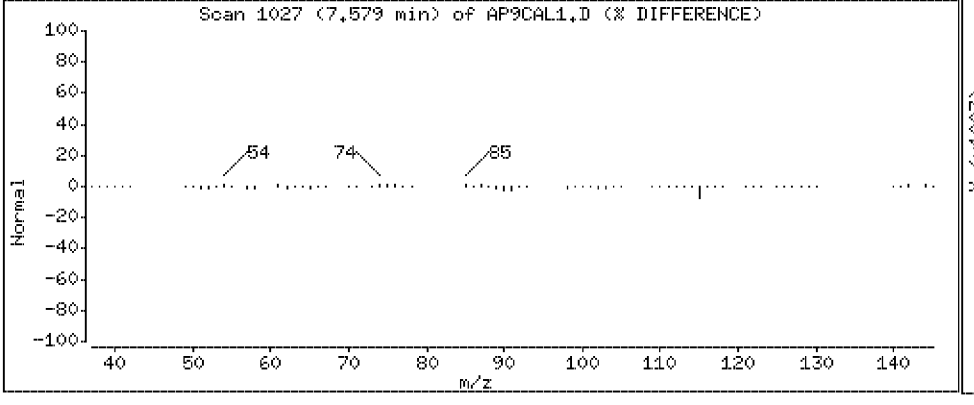












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

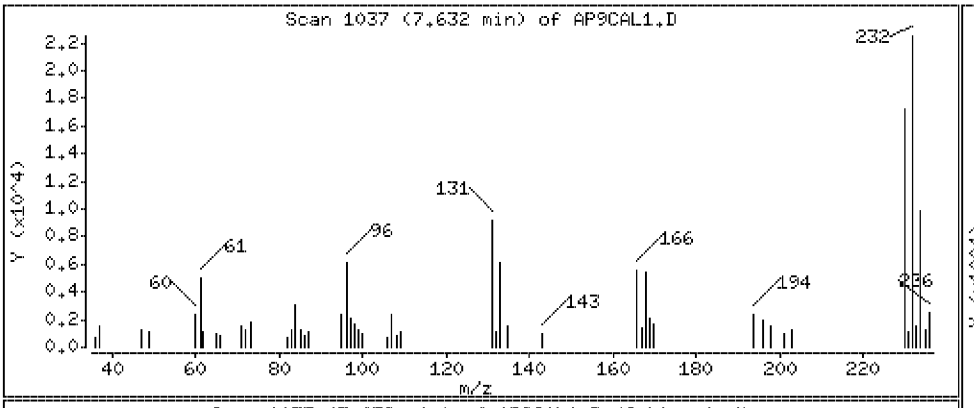
Client ID: AP9CAL1 Instrument: smsd03.i

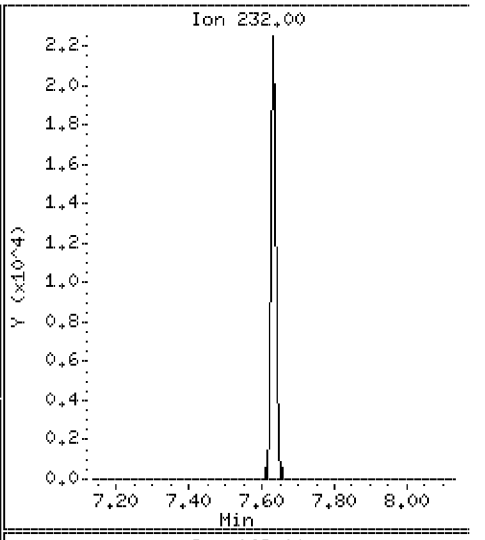
Sample Info: 45961

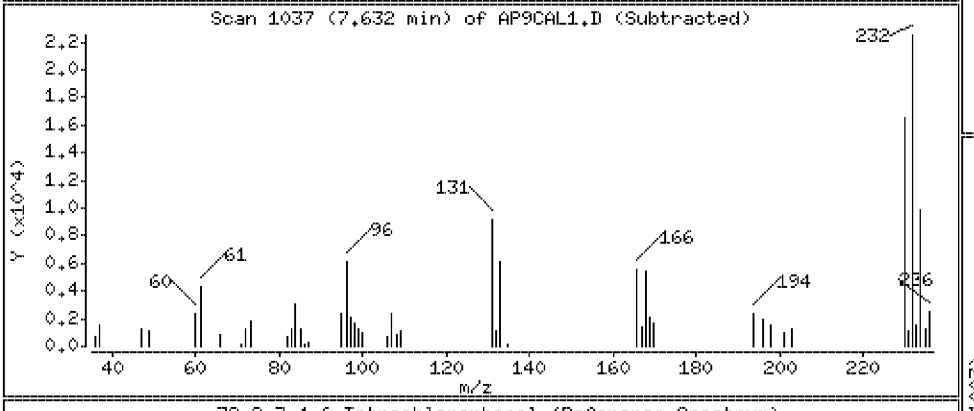
Purge Volume: 1000.0 Operator: PEL

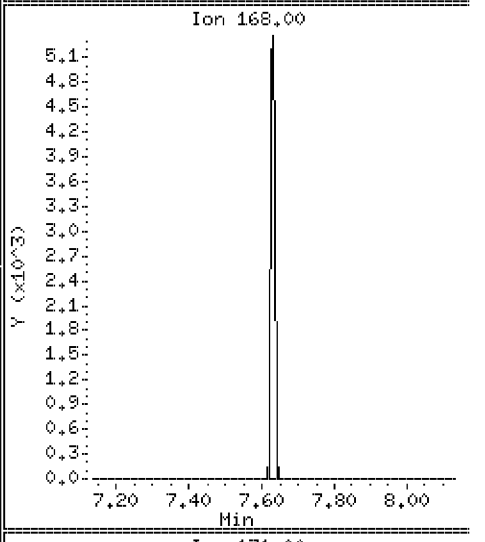
Column phase: HPMS-5 Column diameter: 0.25

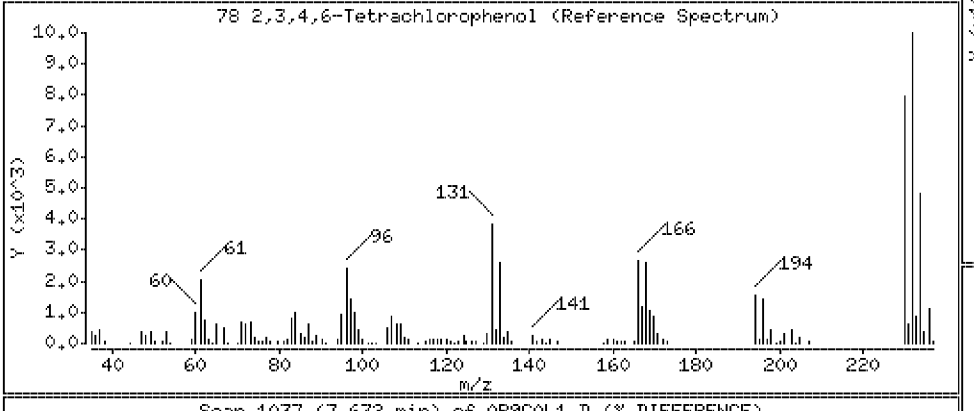
78 2,3,4,6-Tetrachlorophenol Concentration: 3.3 ug/l

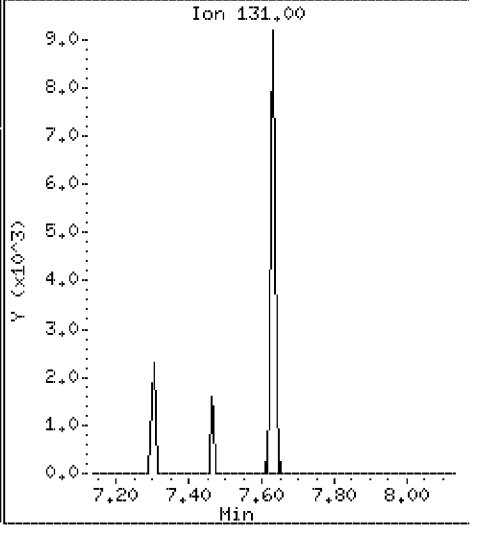


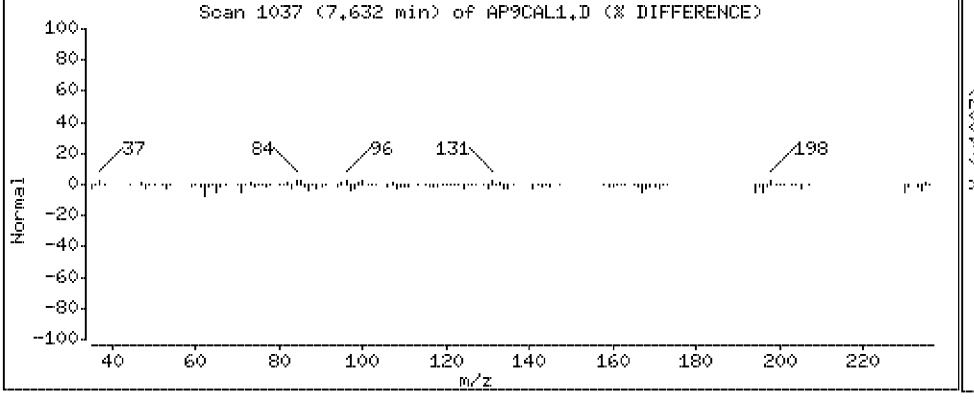












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

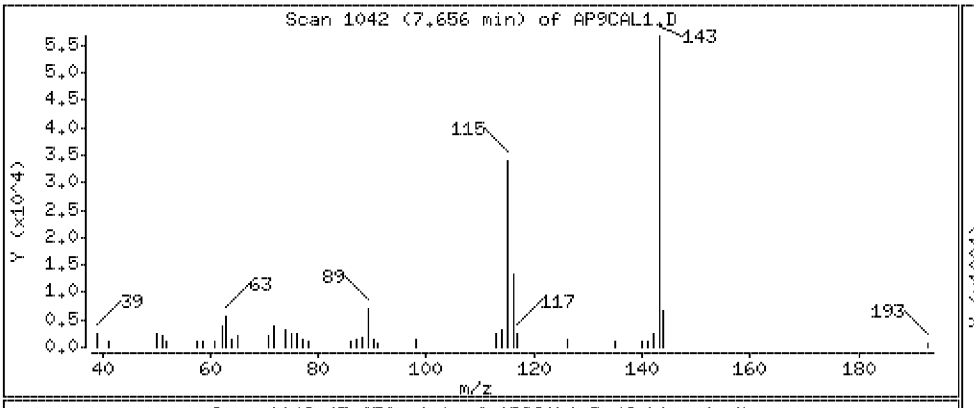
Operator: PEL

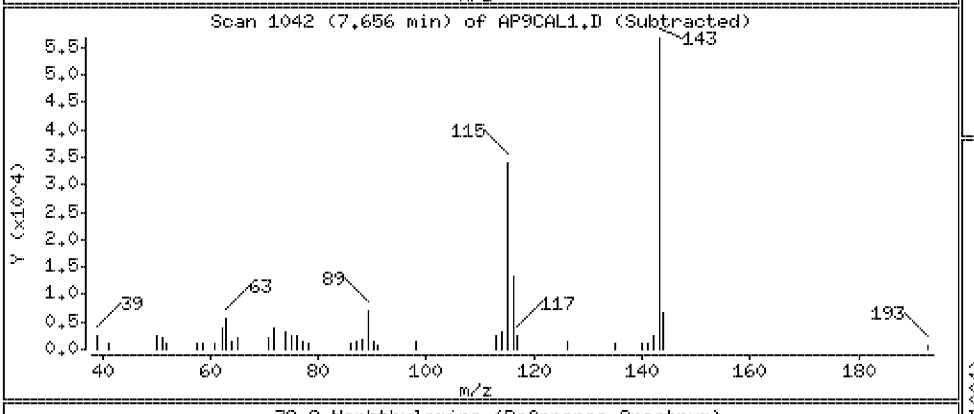
Column phase: HPMS-5

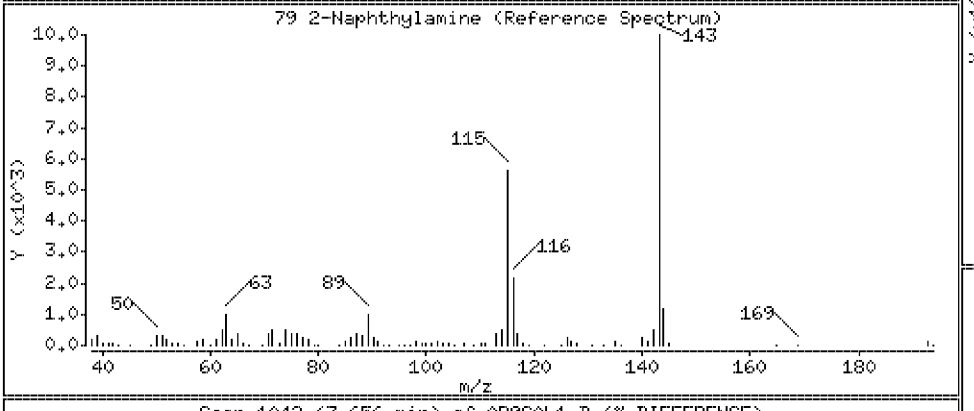
Column diameter: 0.25

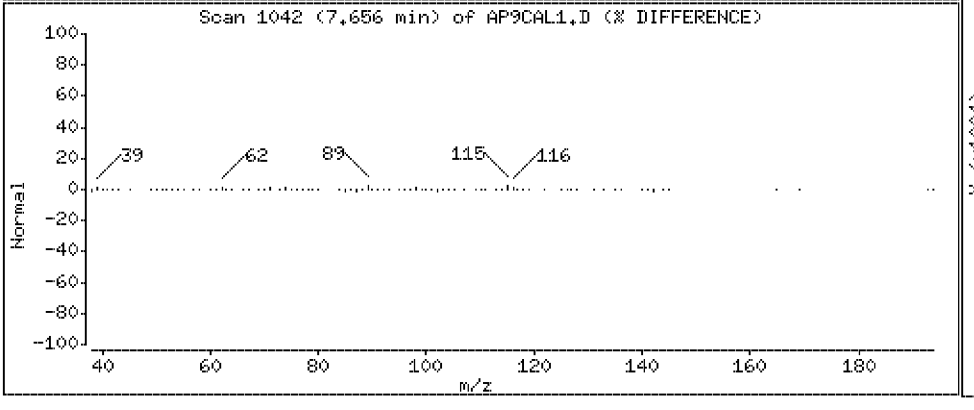
79 2-Naphthylamine

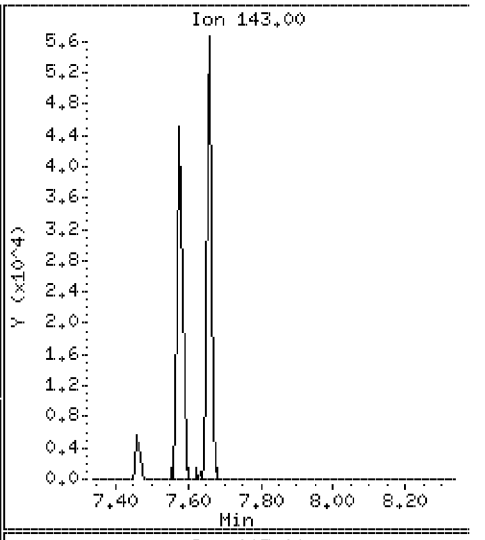
Concentration: 3.5 ug/l

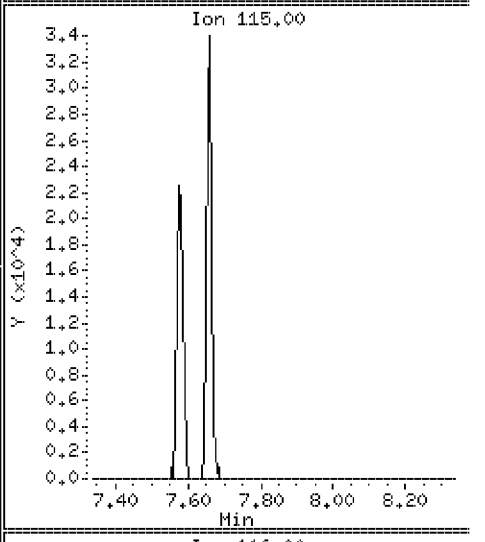


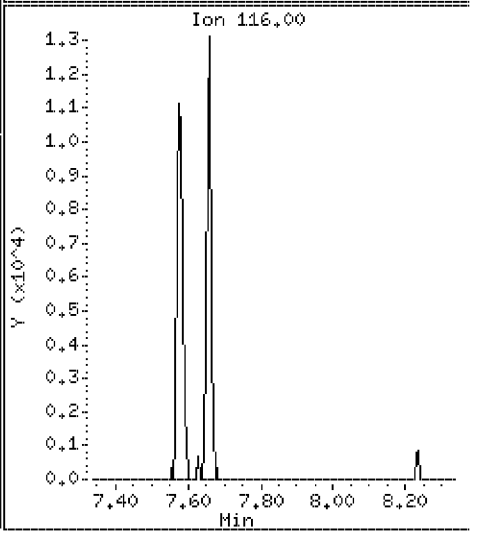












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

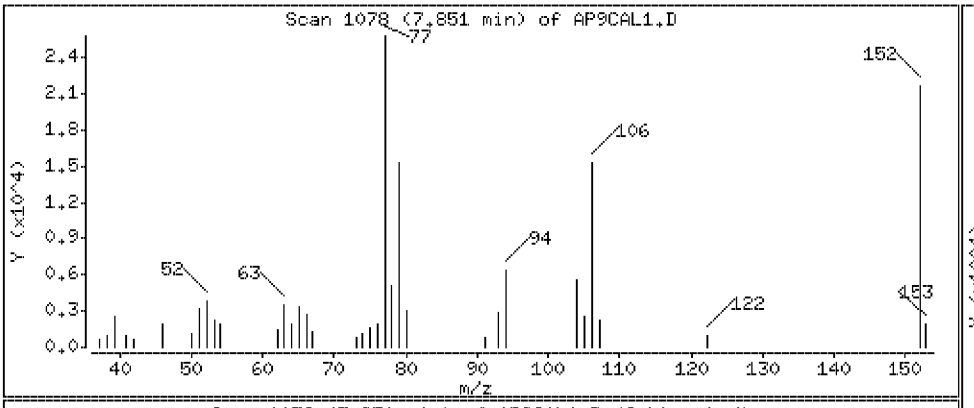
Operator: PEL

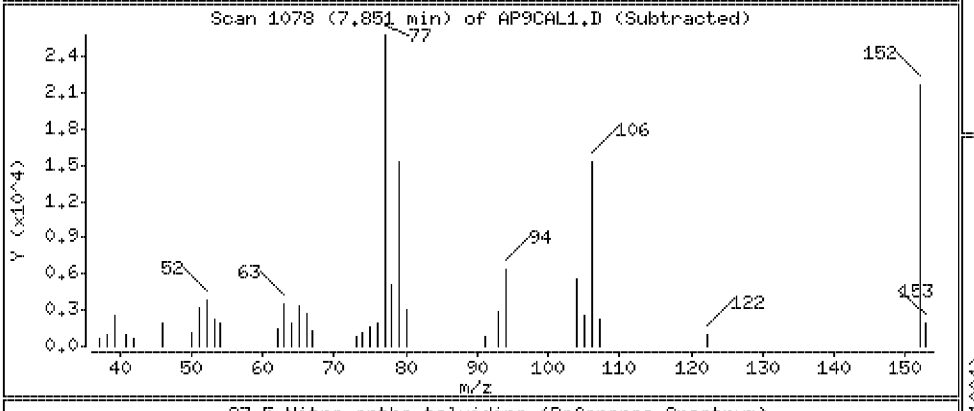
Column phase: HPMS-5

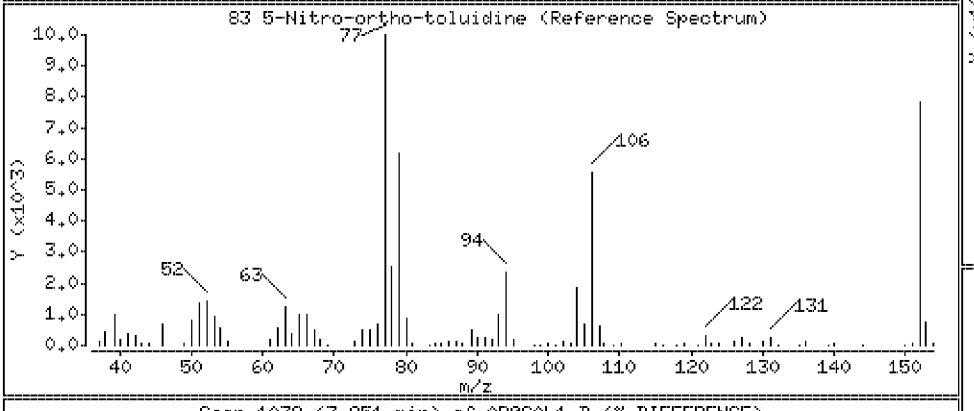
Column diameter: 0.25

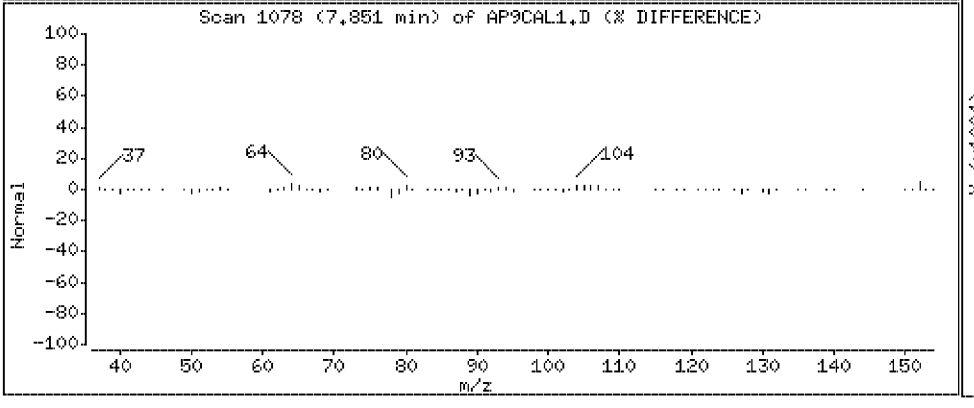
83 5-Nitro-ortho-toluidine

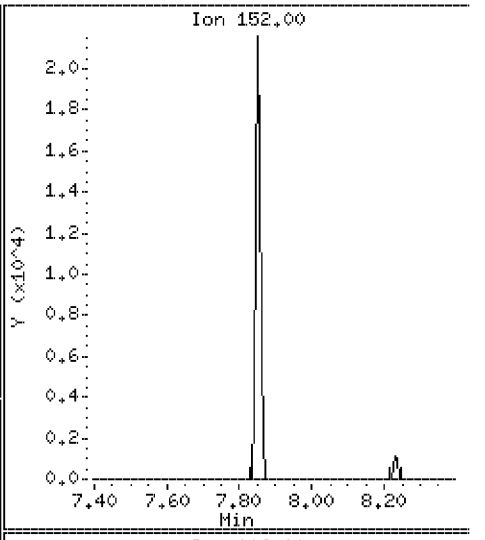
Concentration: 3.5 ug/l

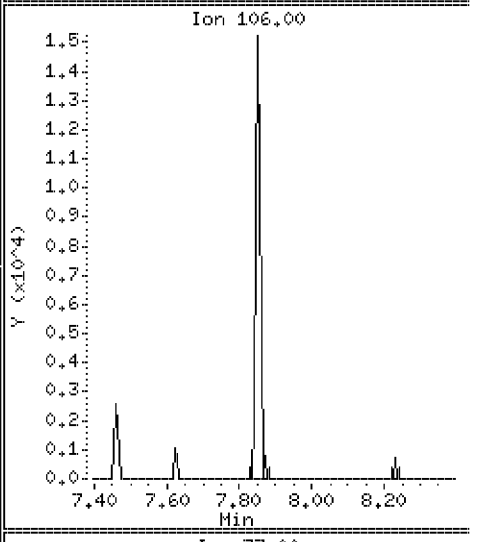


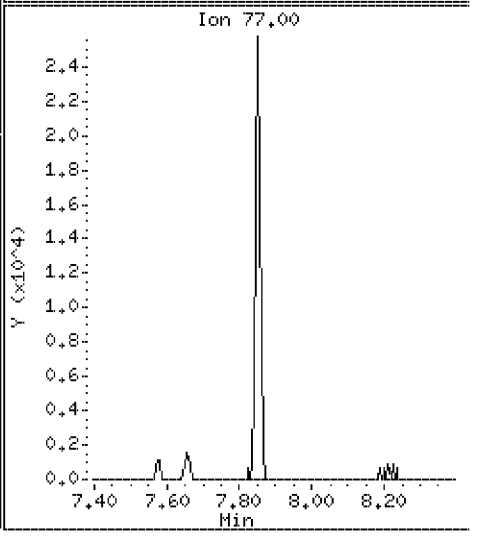












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

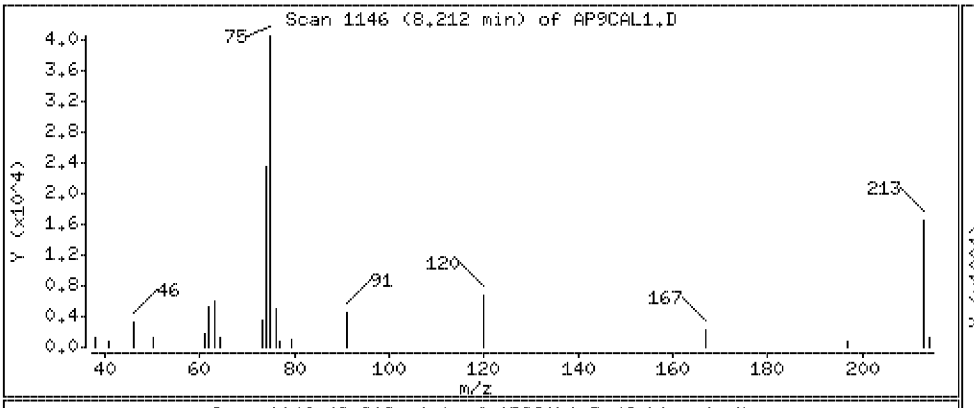
Operator: PEL

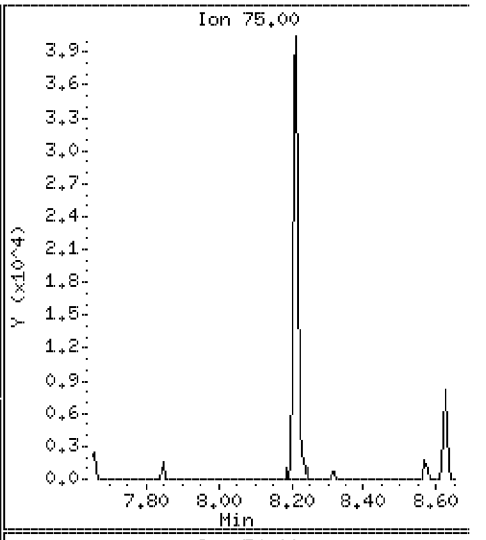
Column phase: HPMS-5

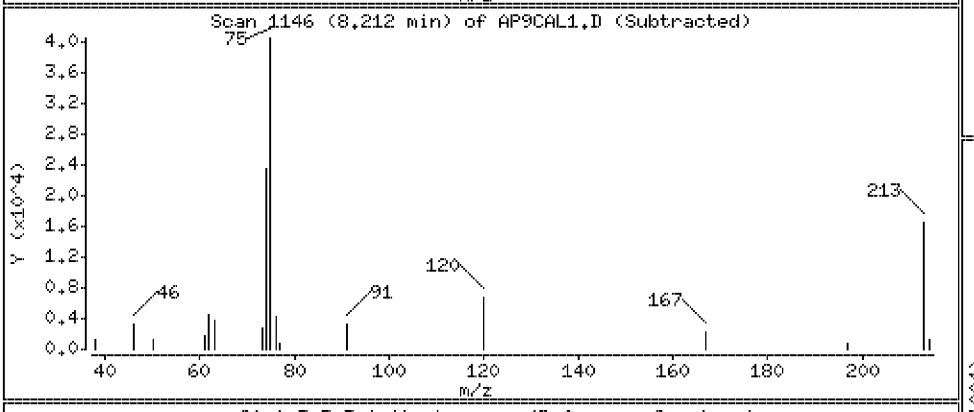
Column diameter: 0.25

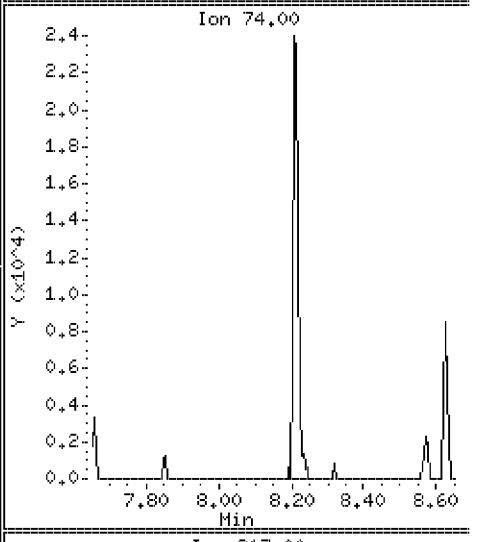
90 1,3,5-Trinitrobenzene

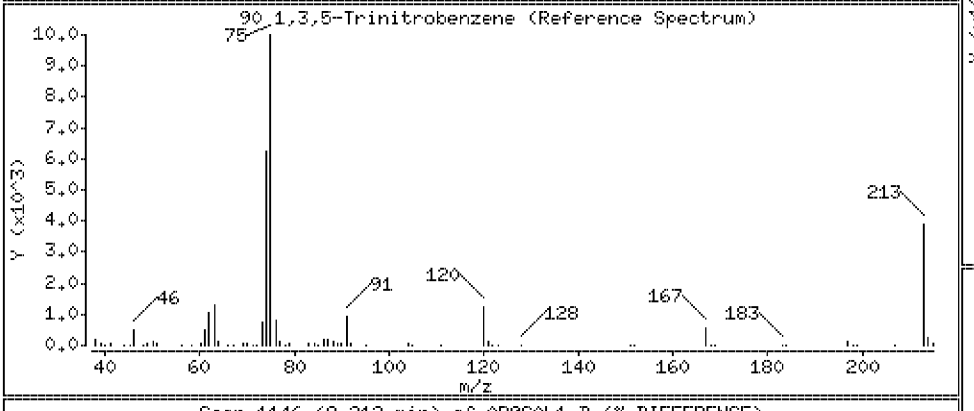
Concentration: 5.8 ug/l

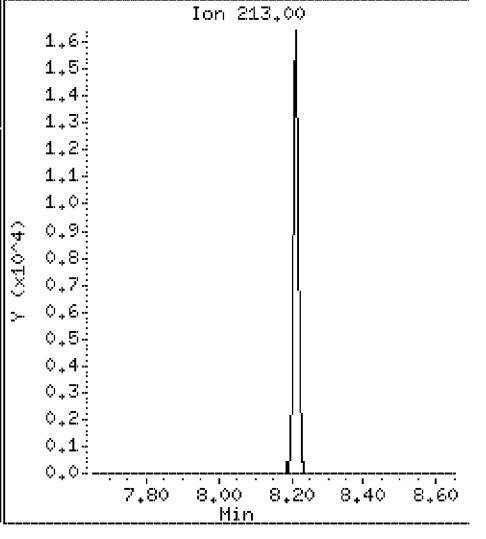


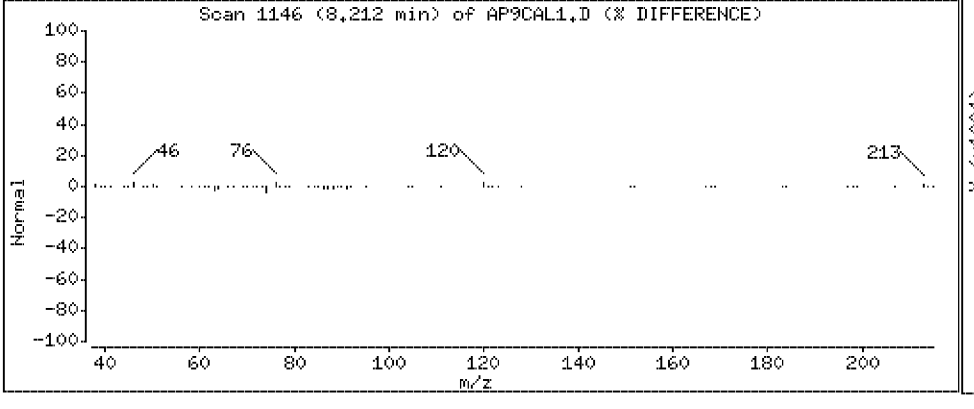












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

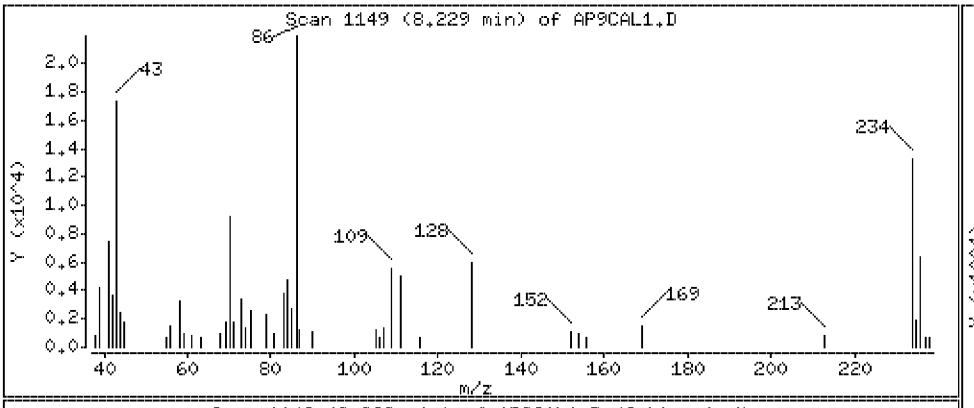
Operator: PEL

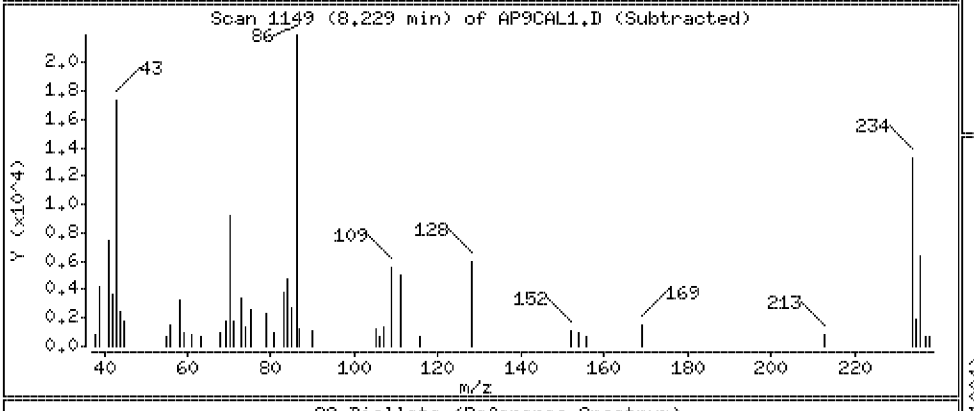
Column phase: HPMS-5

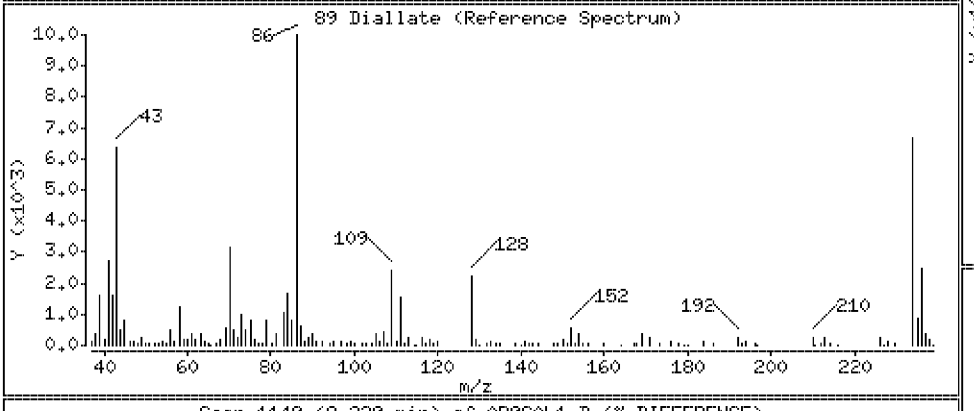
Column diameter: 0.25

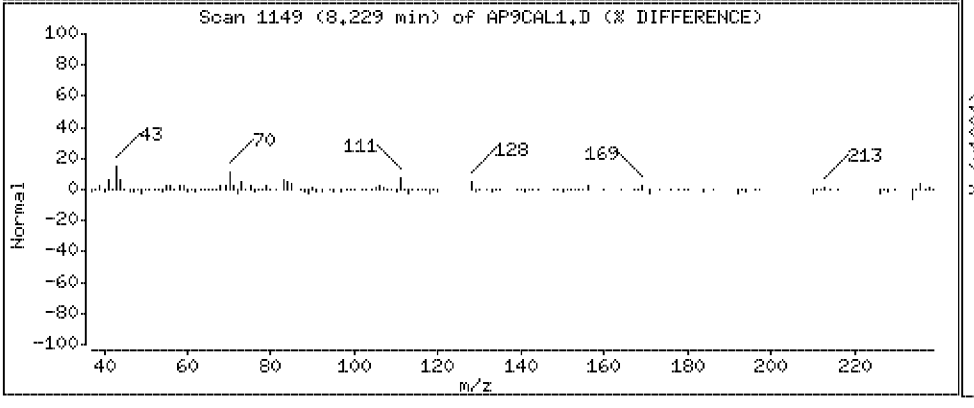
89 Diallate

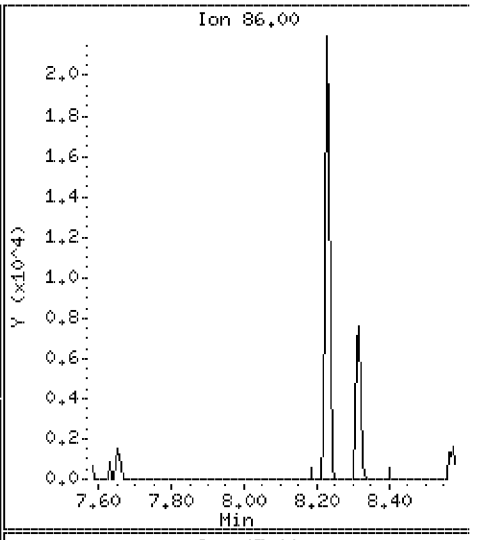
Concentration: 3.3 ug/l

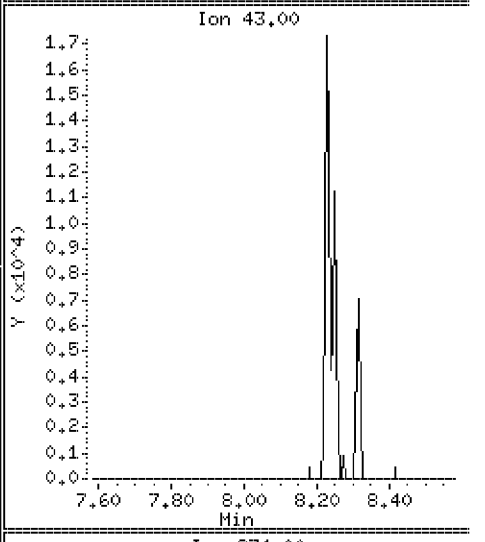


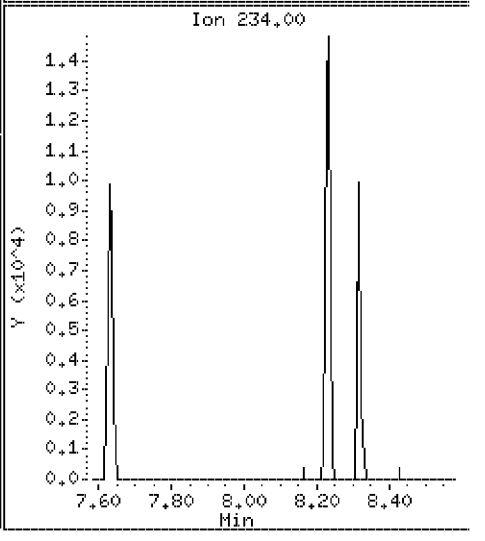












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

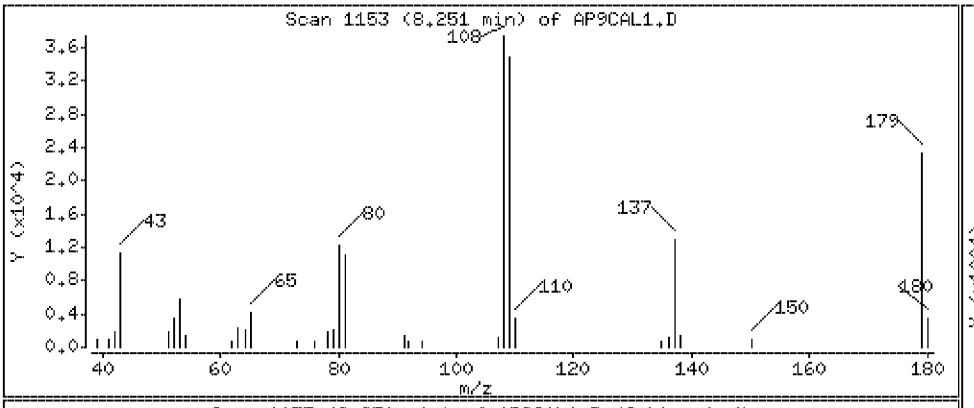
Operator: PEL

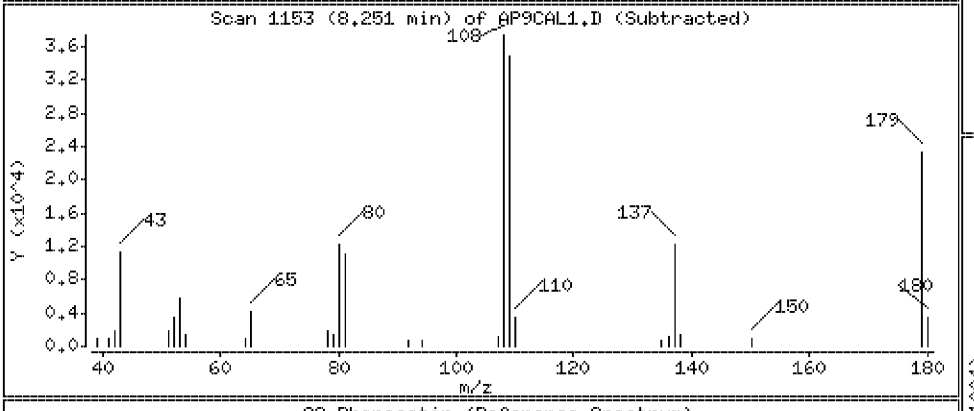
Column phase: HPMS-5

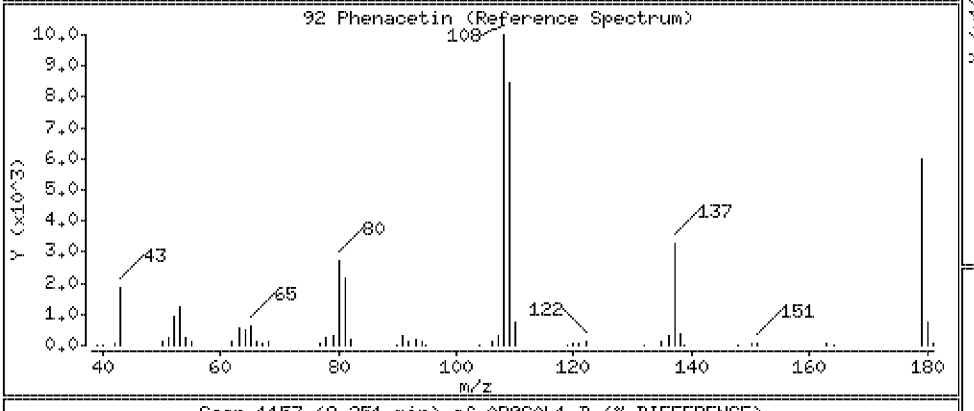
Column diameter: 0.25

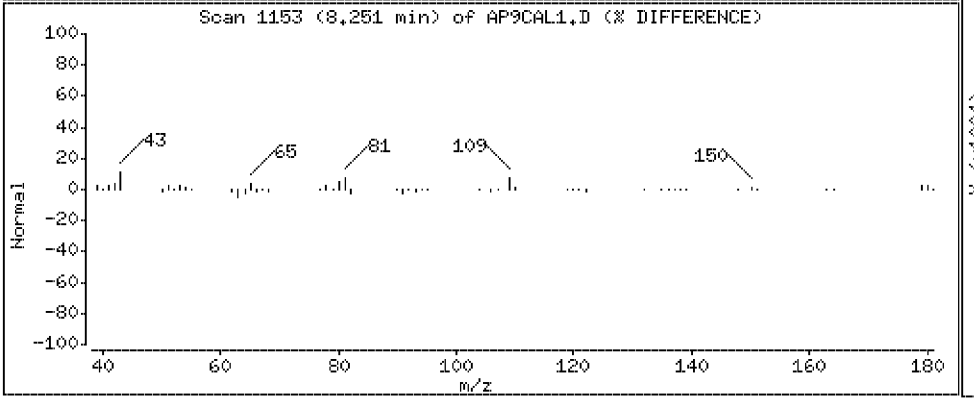
92 Phenacetin

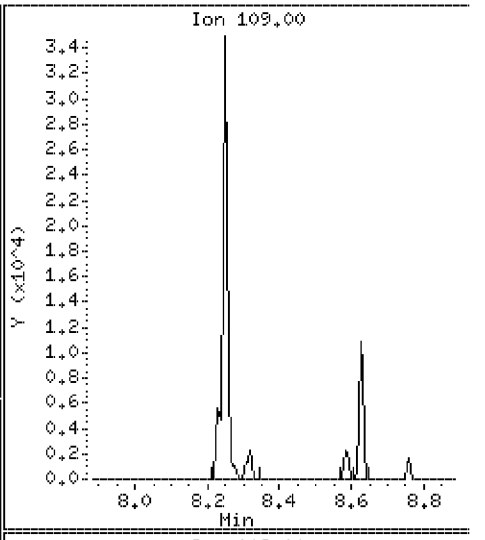
Concentration: 4.0 ug/l

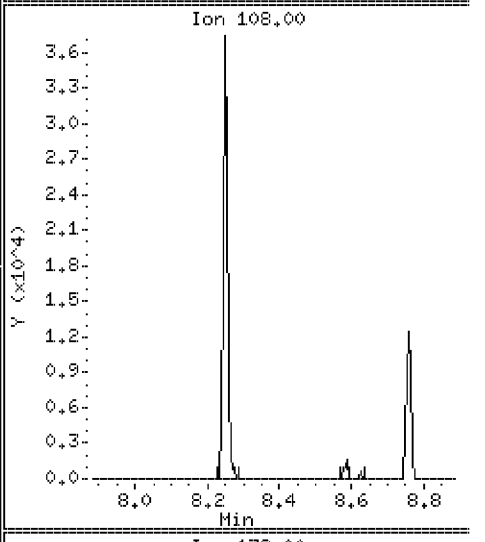


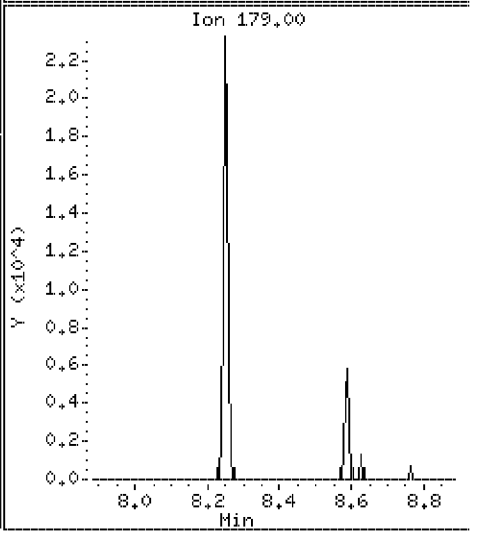












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

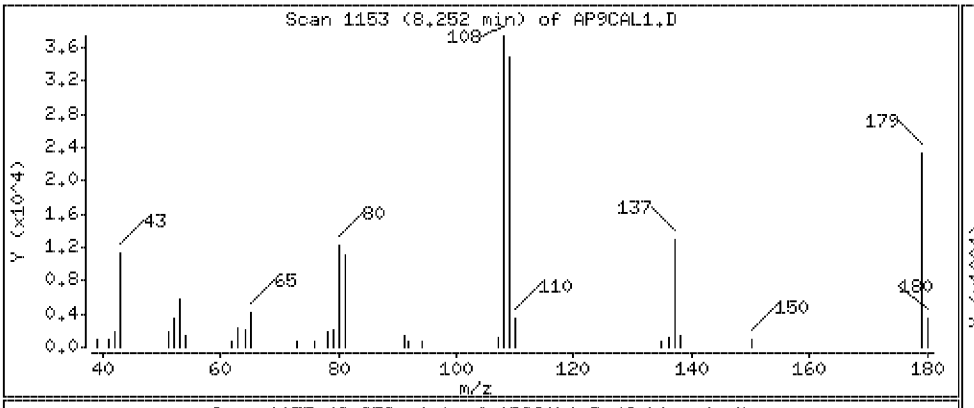
Operator: PEL

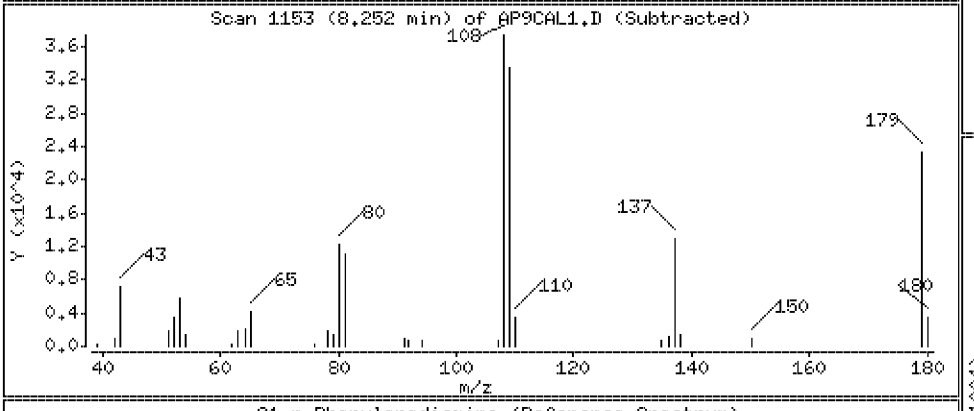
Column phase: HPMS-5

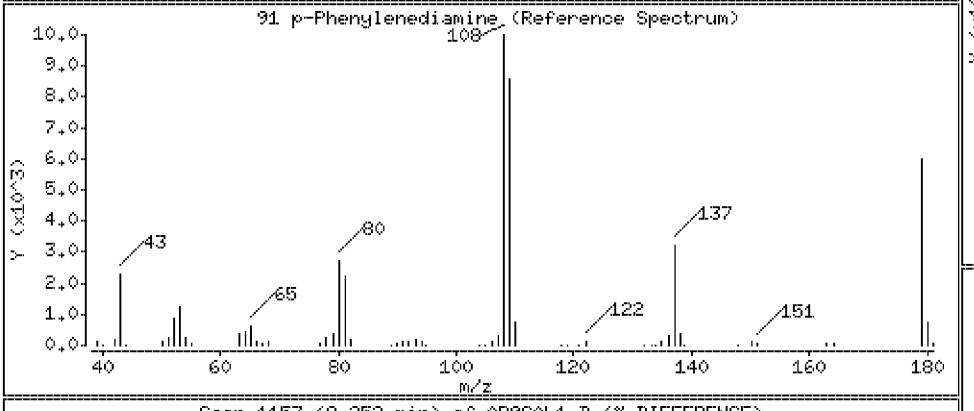
Column diameter: 0.25

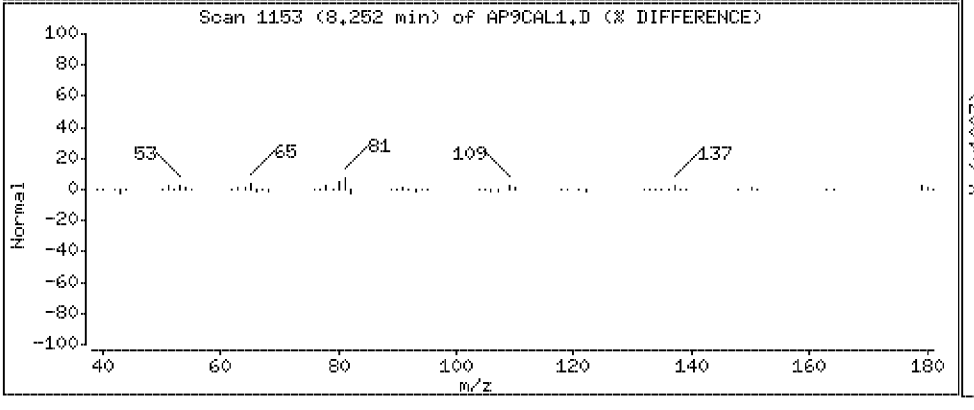
91 p-Phenylenediamine

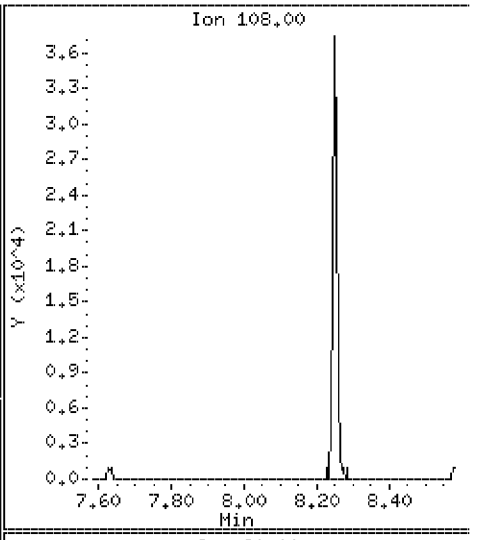
Concentration: 3.3 ug/l

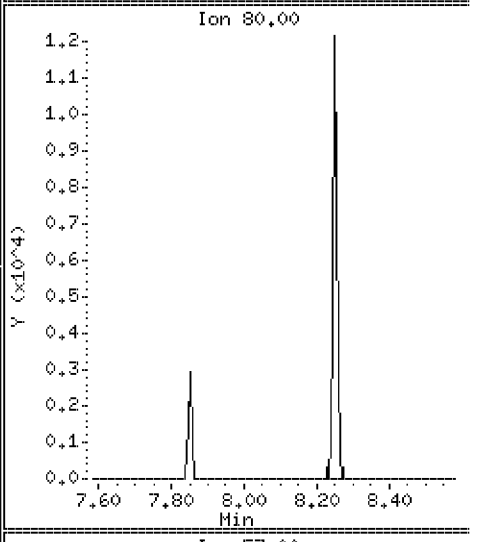


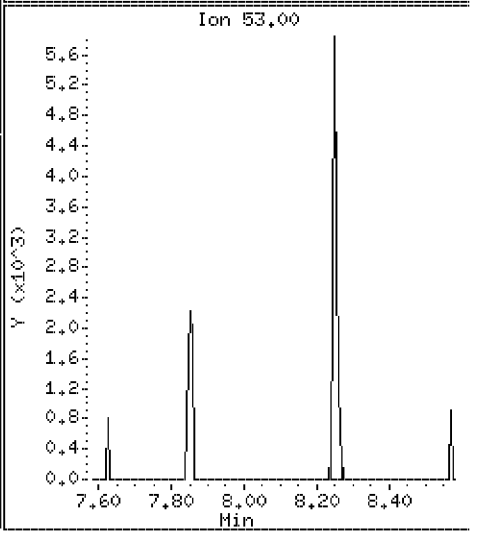












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

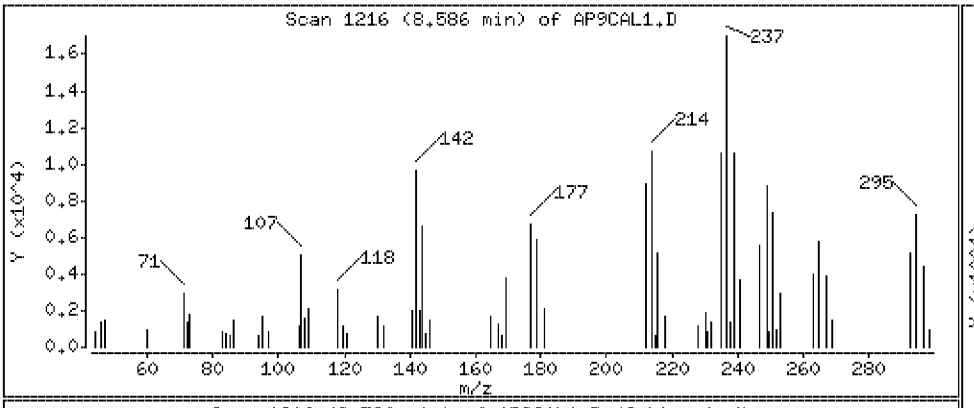
Operator: PEL

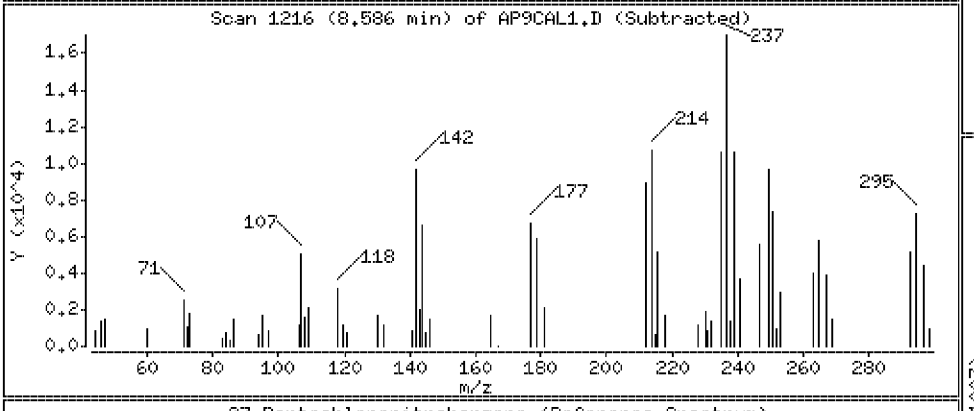
Column phase: HPMS-5

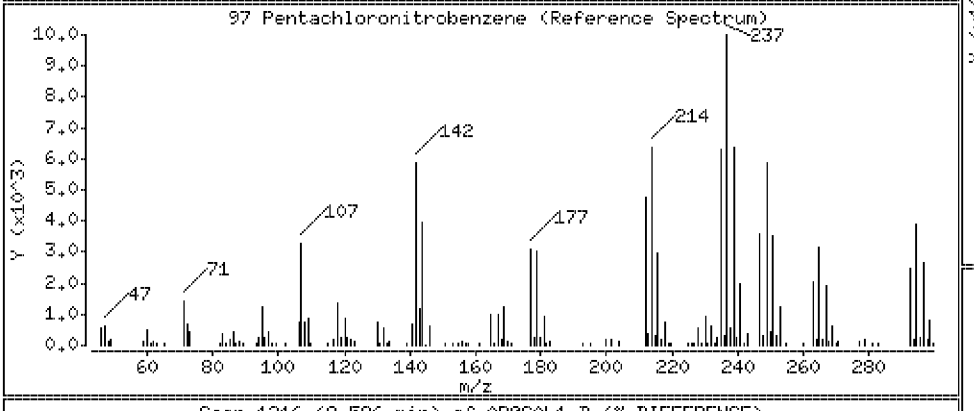
Column diameter: 0.25

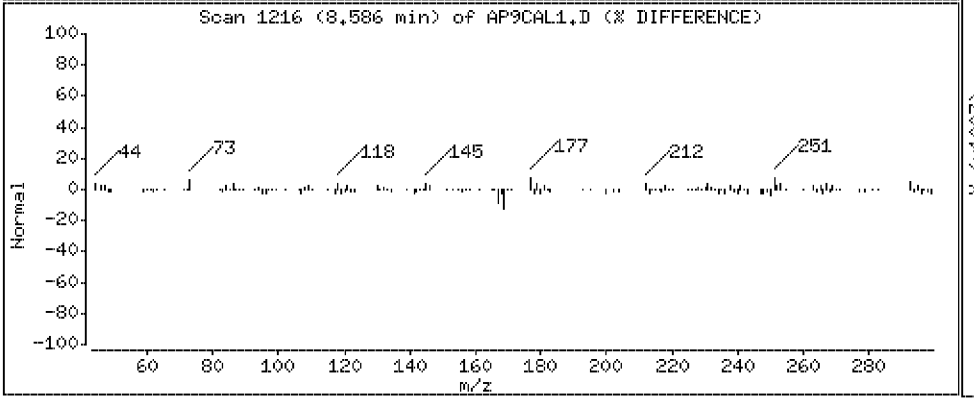
97 Pentachloronitrobenzene

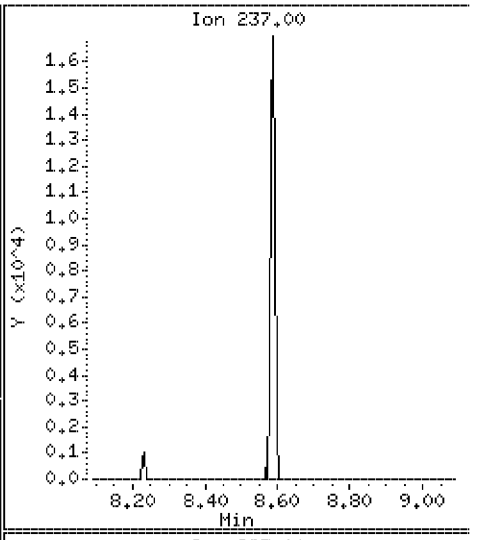
Concentration: 3.4 ug/l

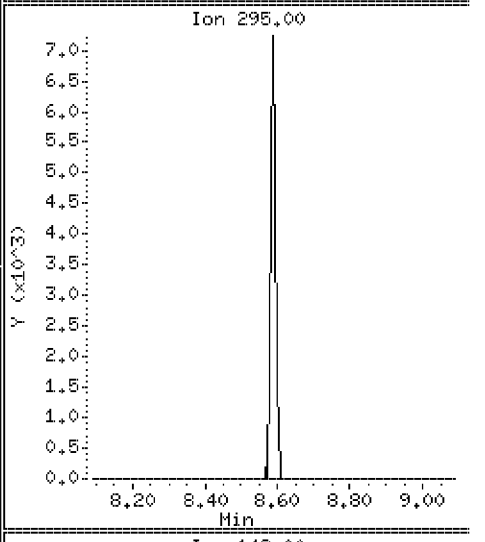


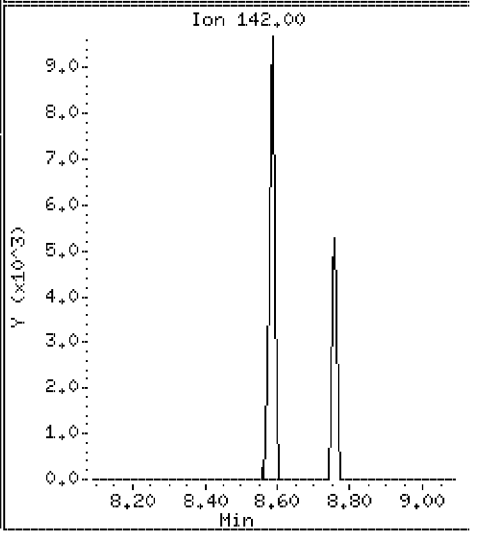












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

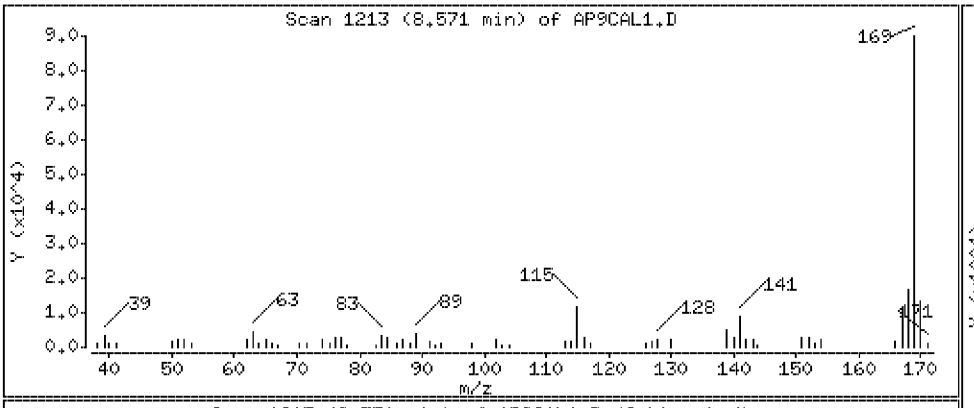
Client ID: AP9CAL1 Instrument: smsd03.i

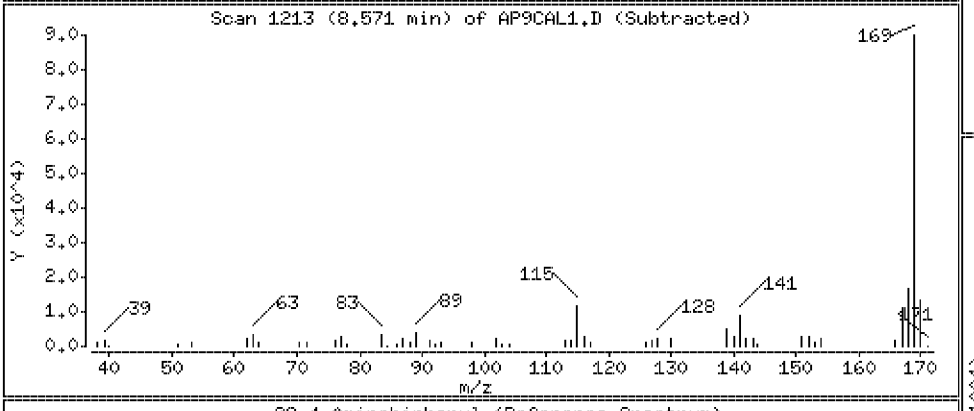
Sample Info: 45961

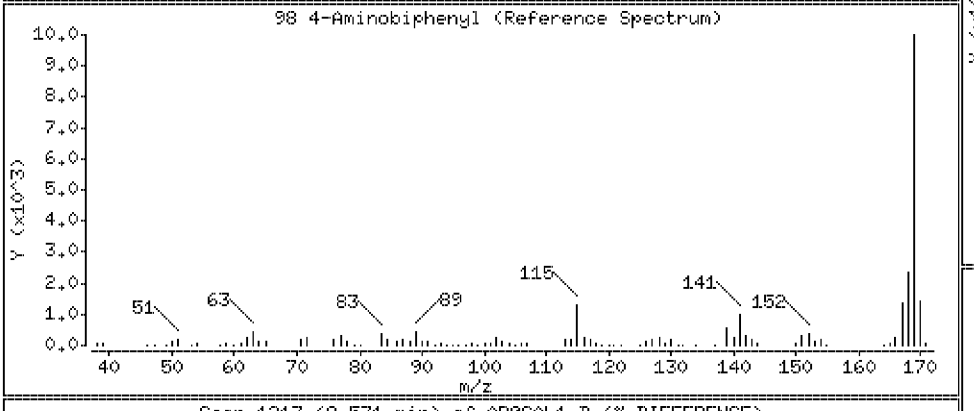
Purge Volume: 1000.0 Operator: PEL

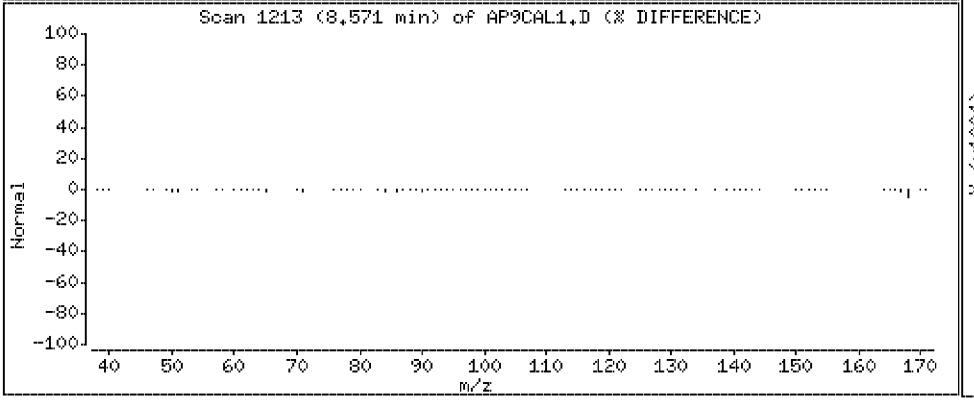
Column phase: HPMS-5 Column diameter: 0.25

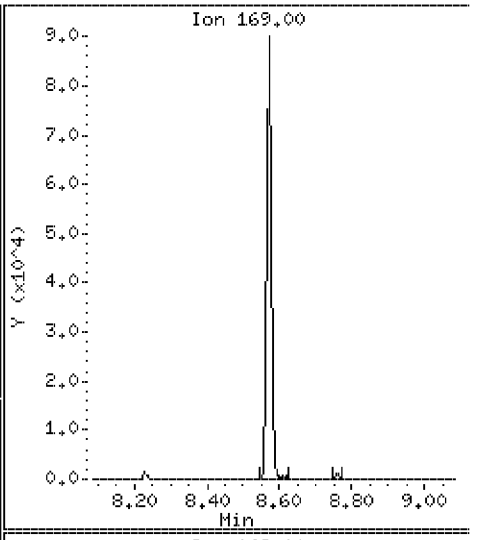
98 4-Aminobiphenyl Concentration: 3.8 ug/l

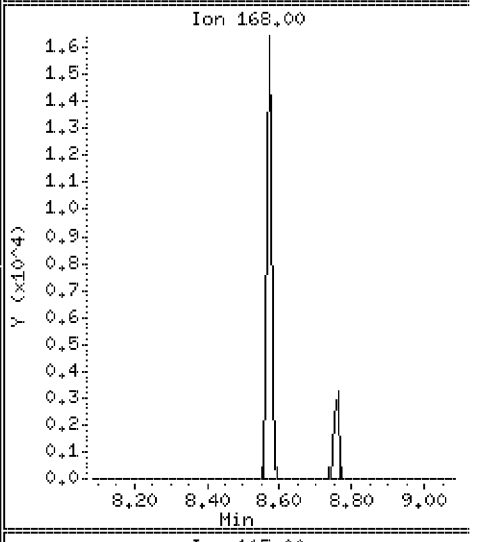


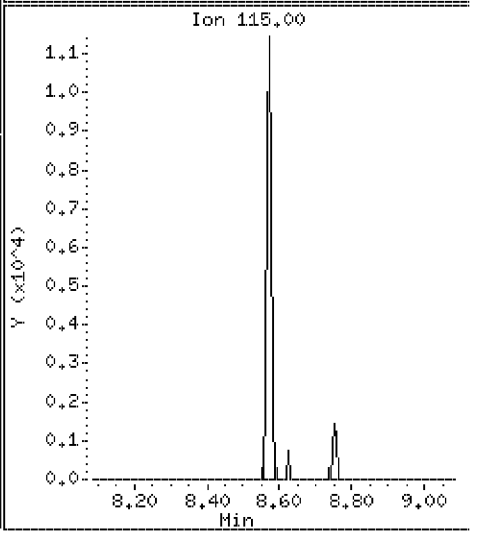












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

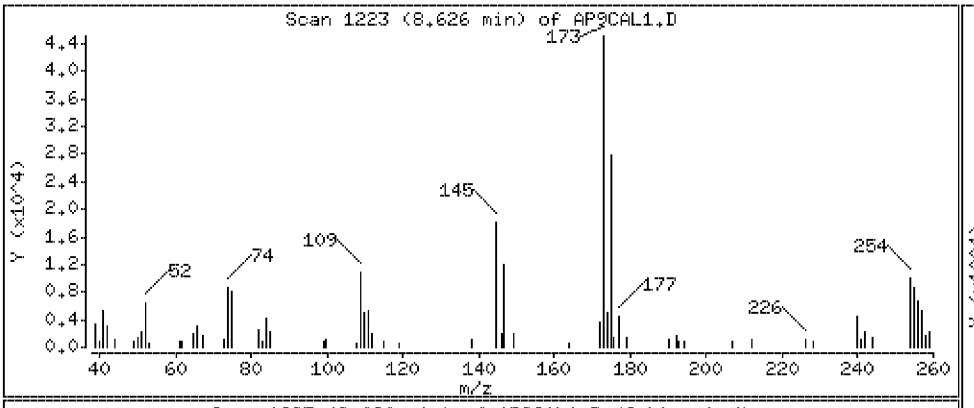
Operator: PEL

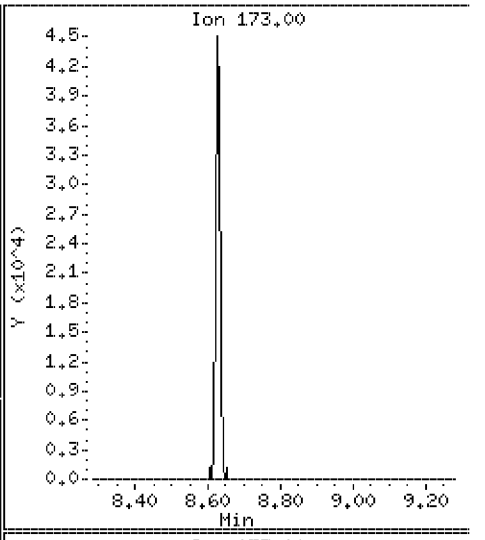
Column phase: HPMS-5

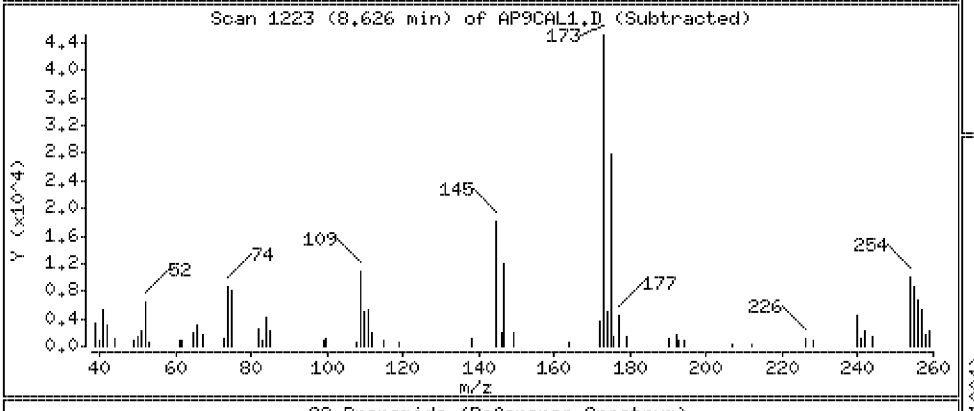
Column diameter: 0.25

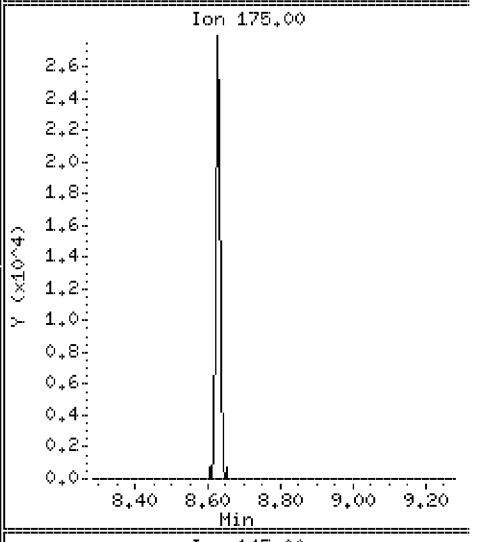
99 Pronamide

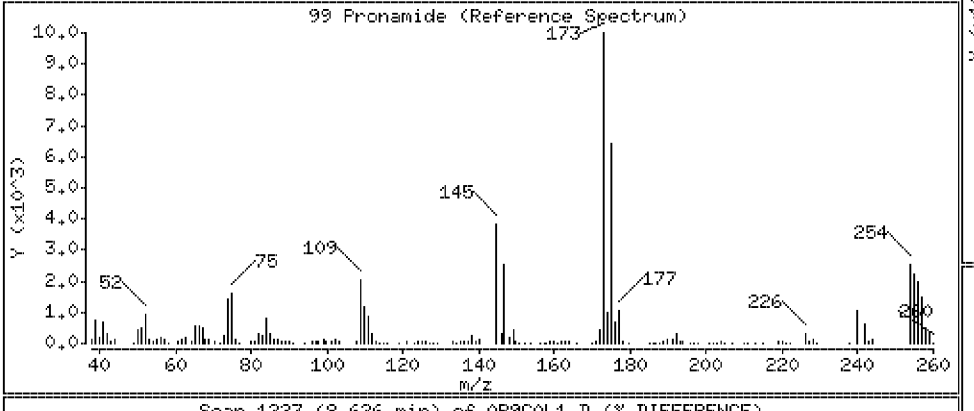
Concentration: 3.7 ug/l

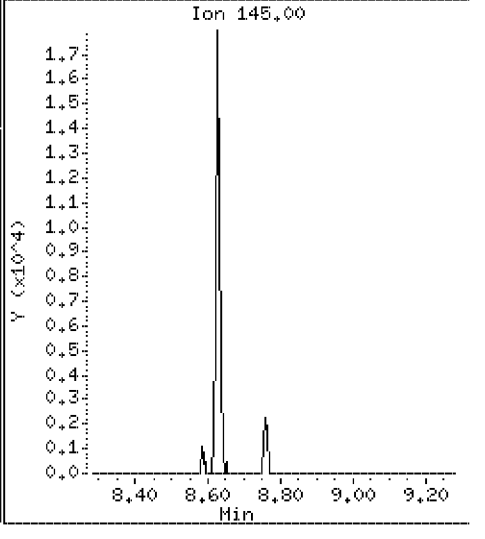


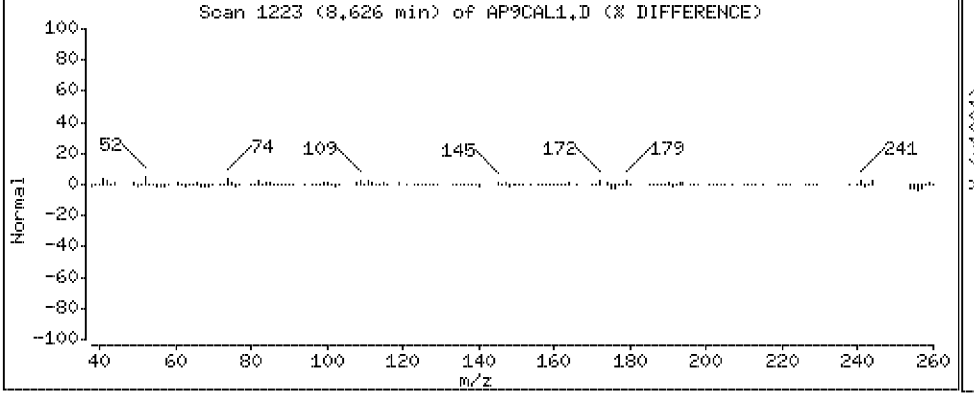












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

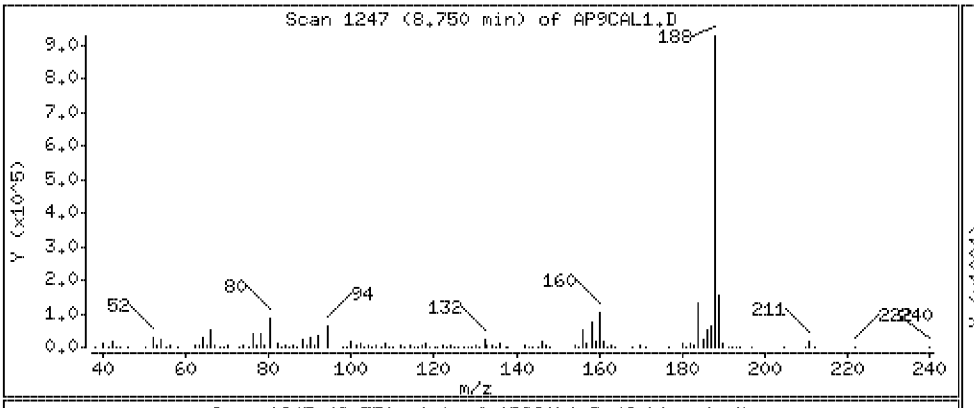
Operator: PEL

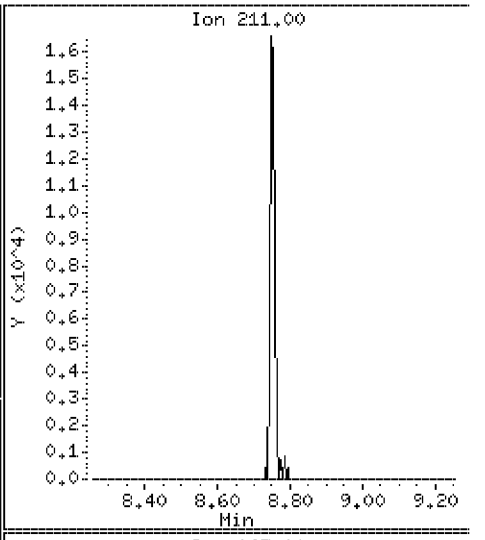
Column phase: HPMS-5

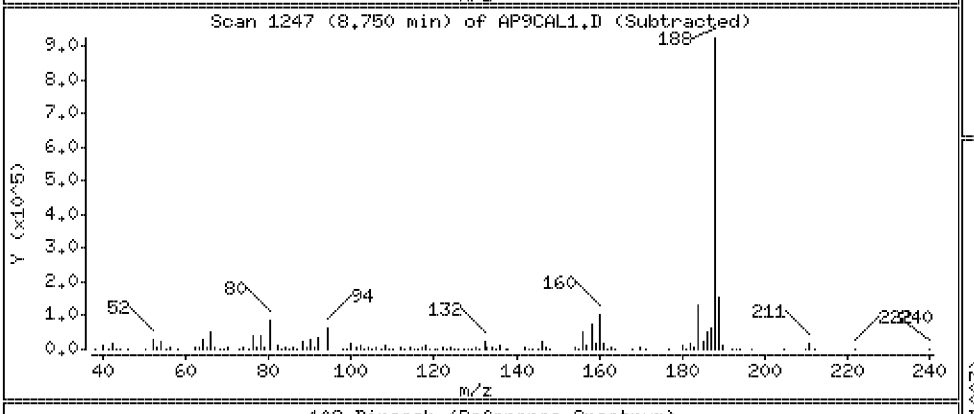
Column diameter: 0.25

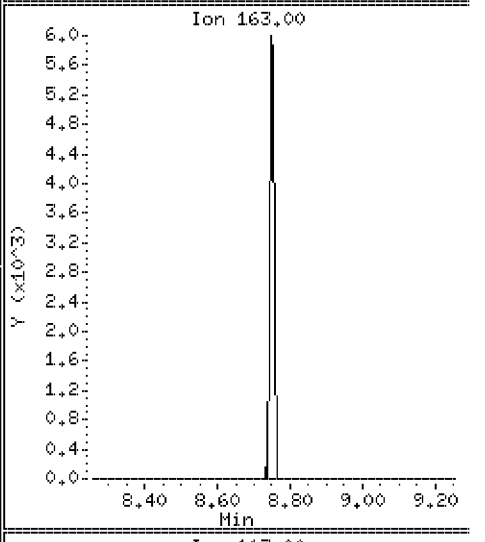
102 Dinoseb

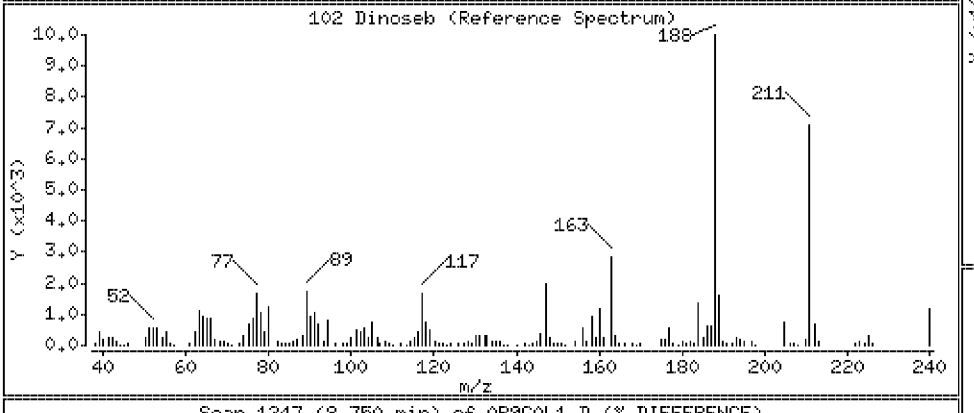
Concentration: 5.3 ug/l

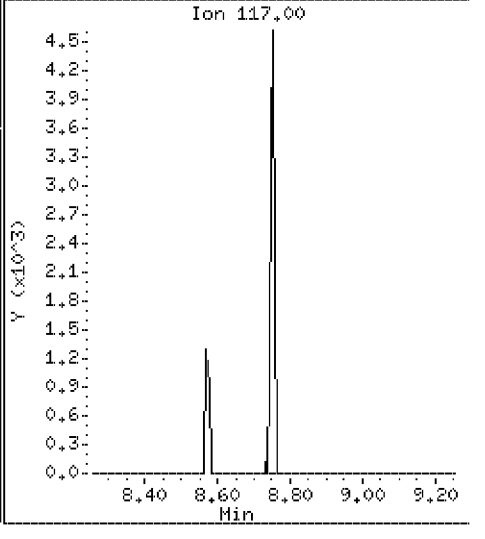


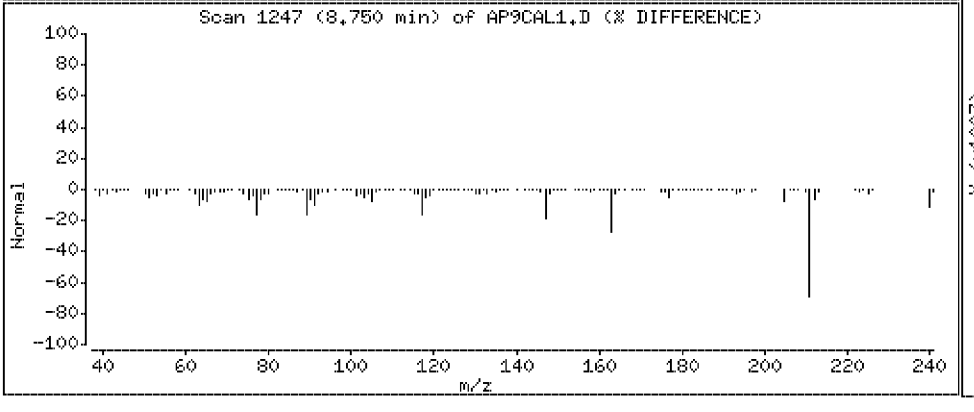












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

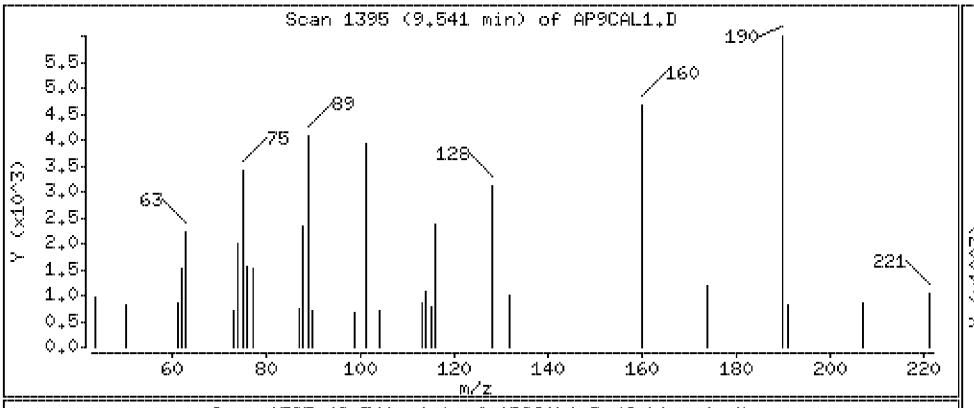
Client ID: AP9CAL1 Instrument: smsd03.i

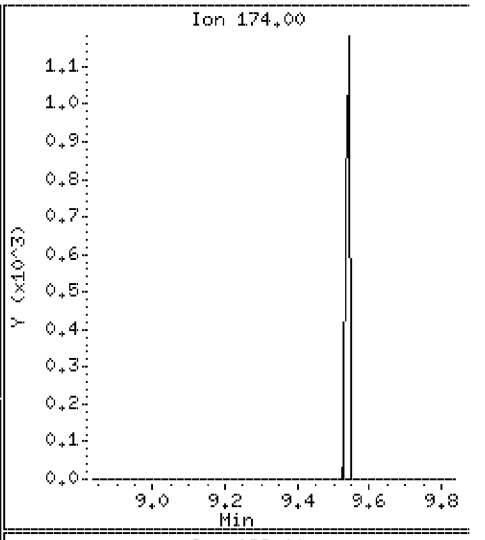
Sample Info: 45961

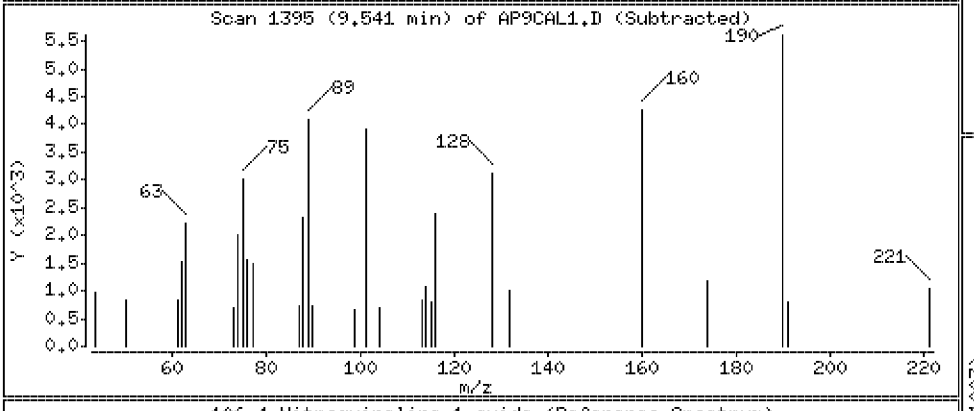
Purge Volume: 1000.0 Operator: PEL

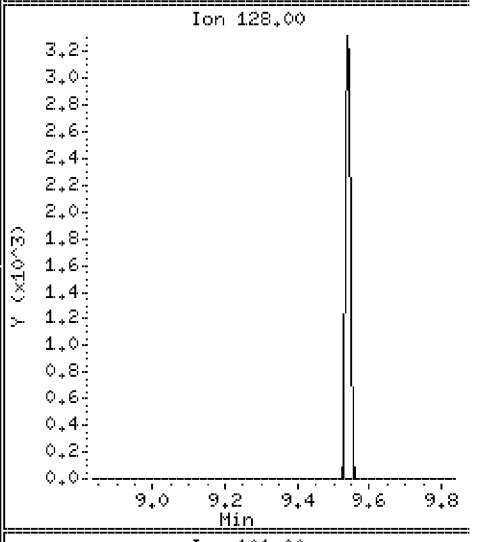
Column phase: HPMS-5 Column diameter: 0.25

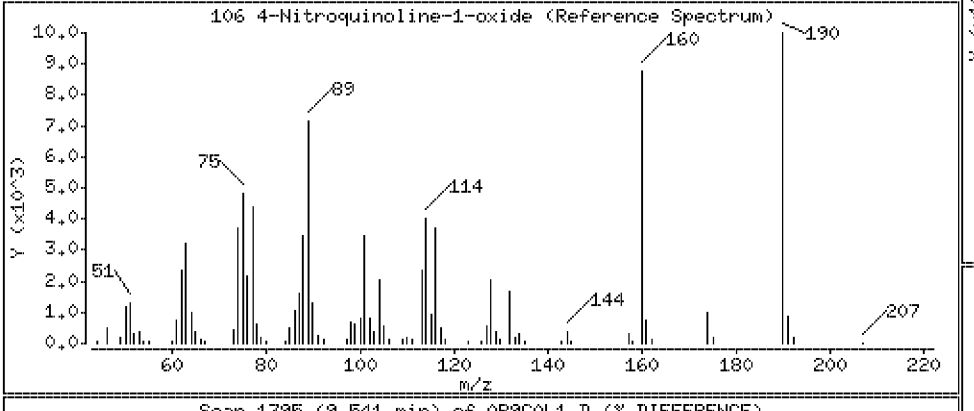
106 4-Nitroquinoline-1-oxide Concentration: 3.6 ug/l

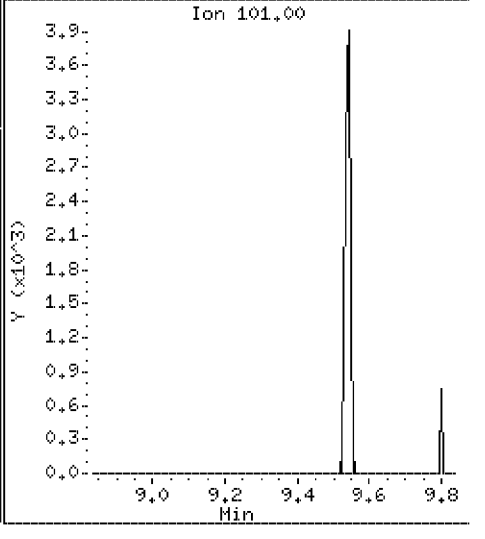


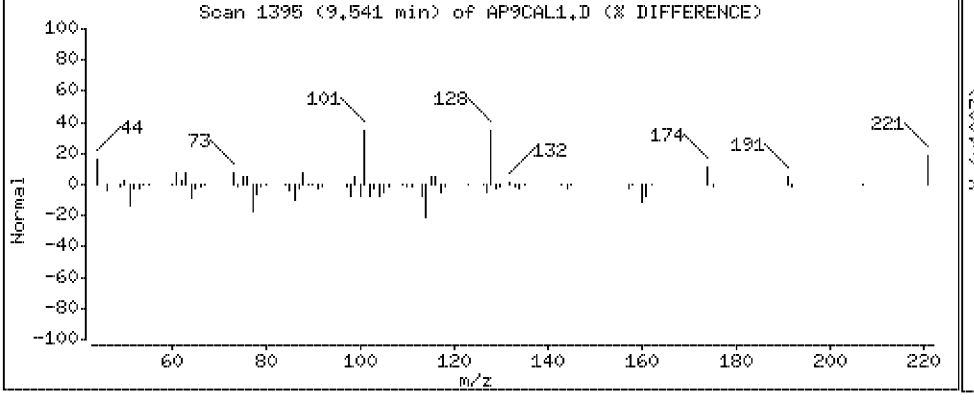












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

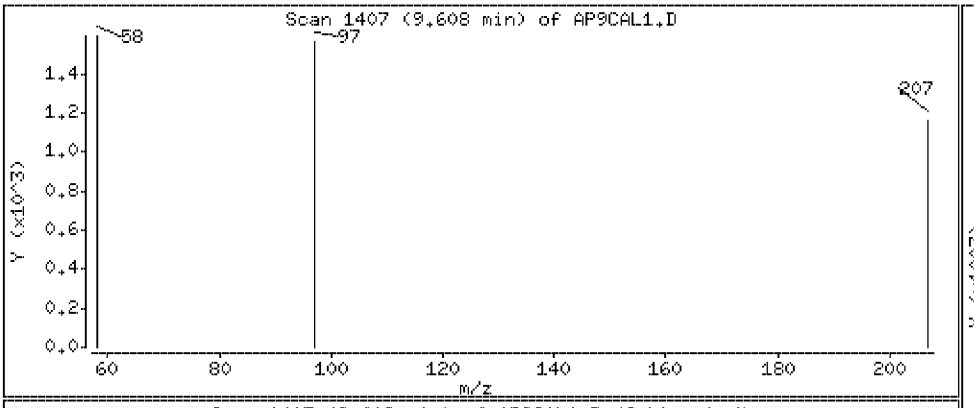
Operator: PEL

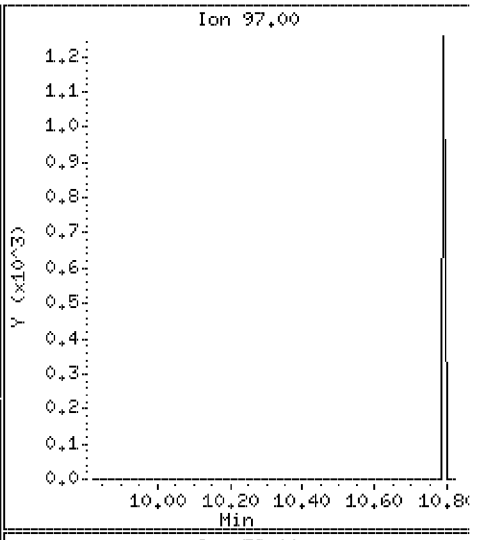
Column phase: HPMS-5

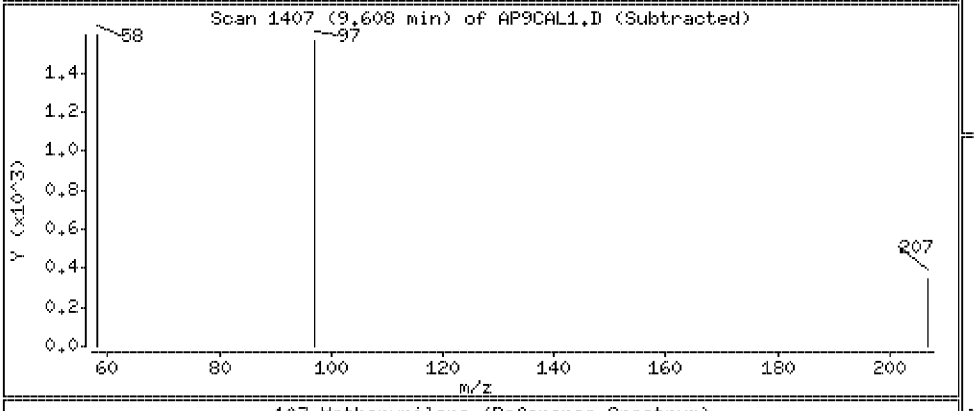
Column diameter: 0.25

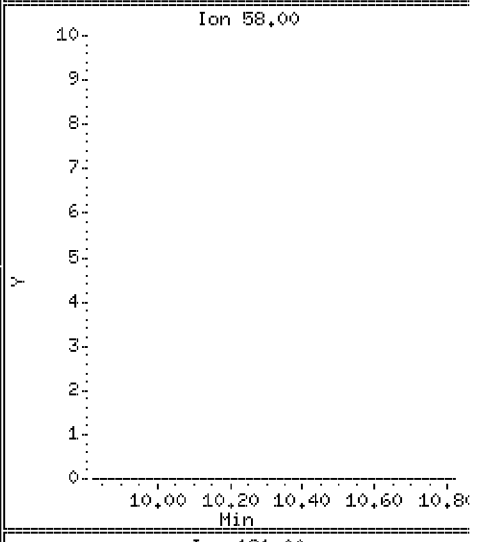
107 Methapyrilene

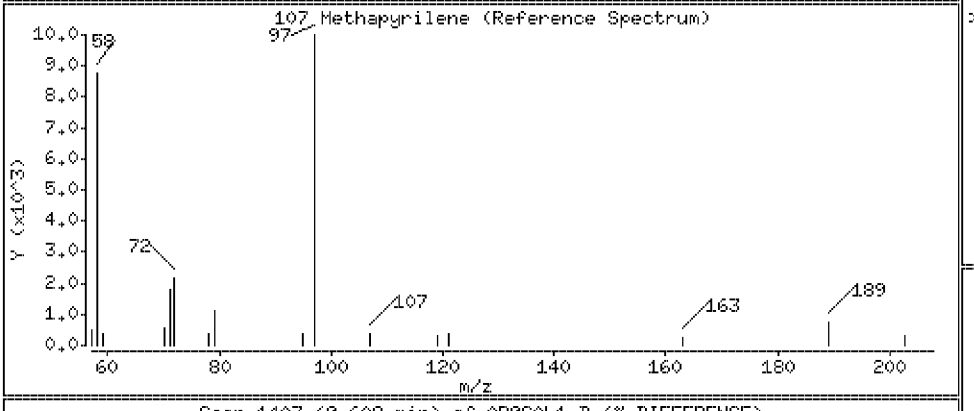
Concentration: 3.3 ug/l

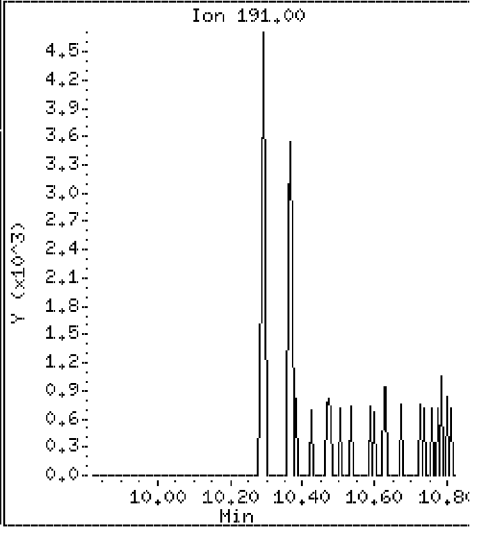


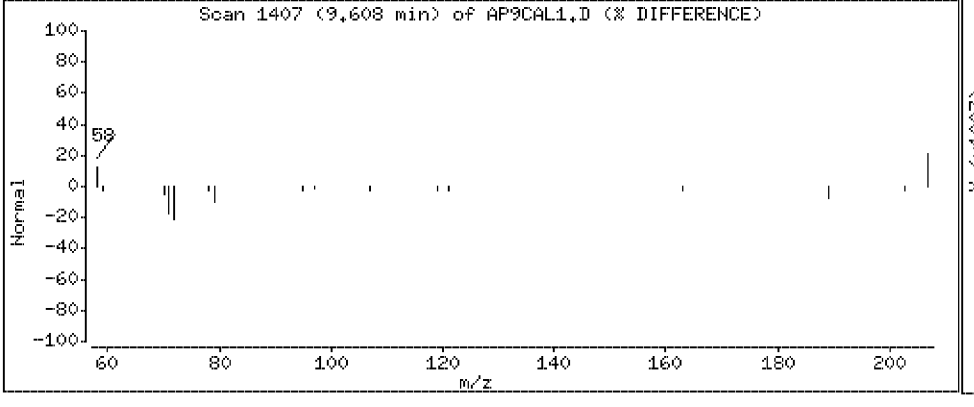












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

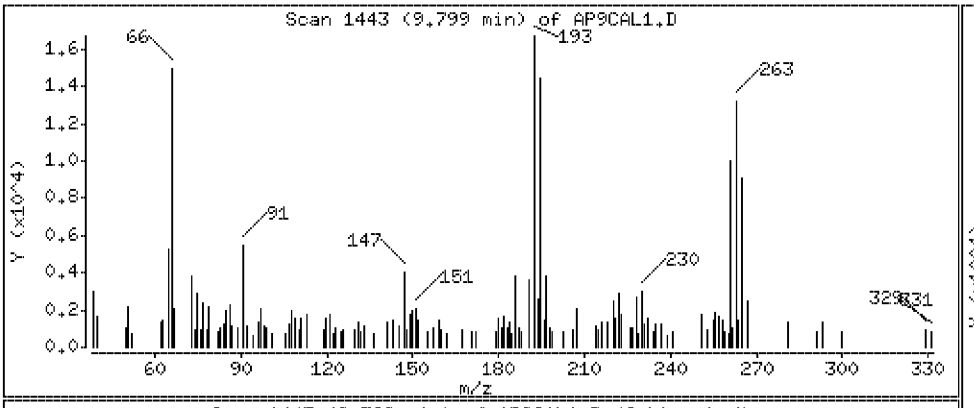
Operator: PEL

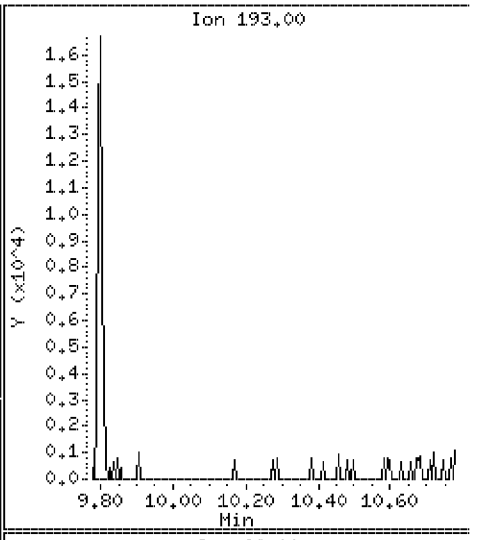
Column phase: HPMS-5

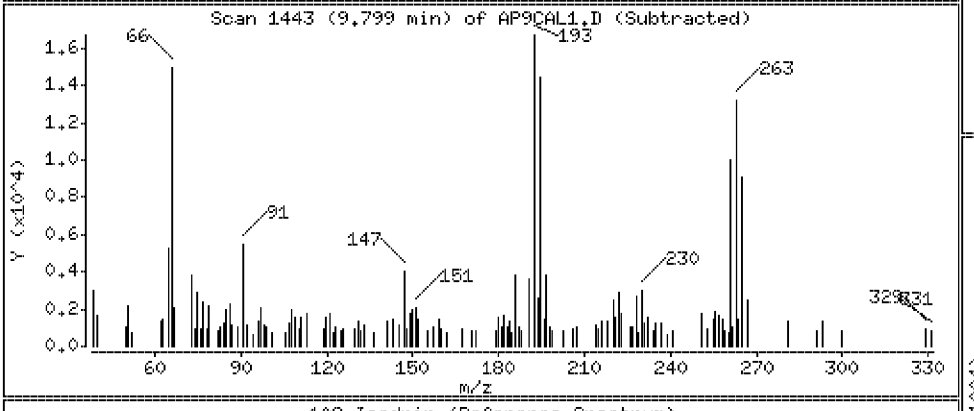
Column diameter: 0.25

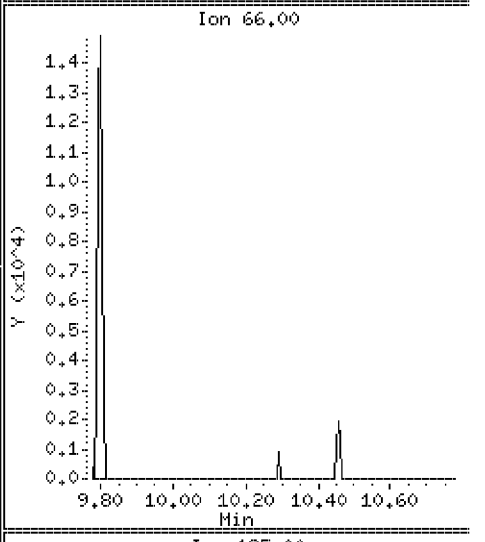
108 Isodrin

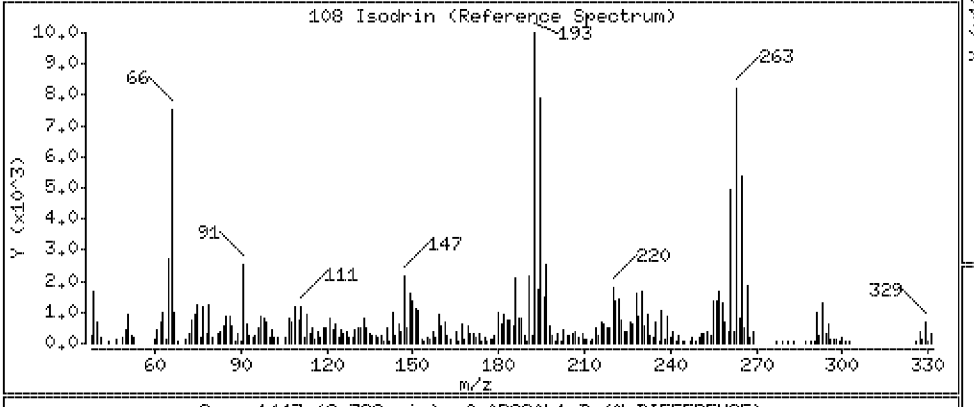
Concentration: 3.8 ug/l

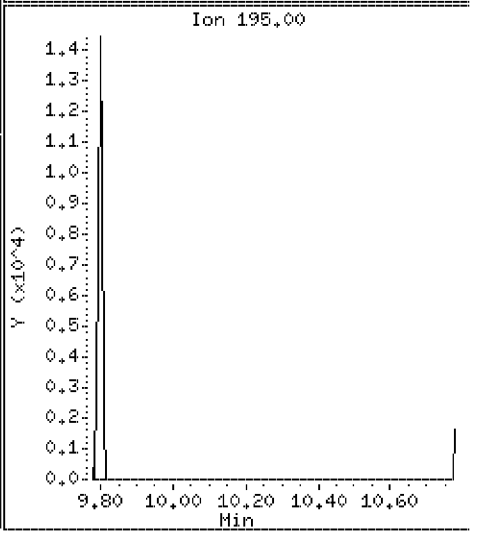


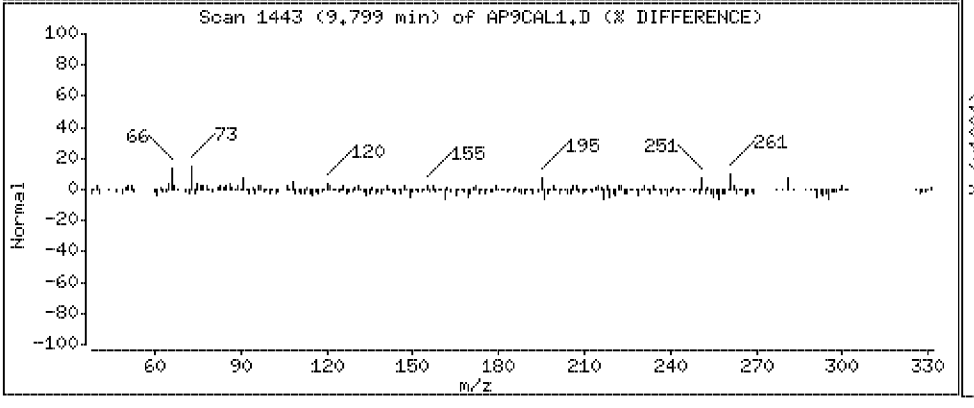












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

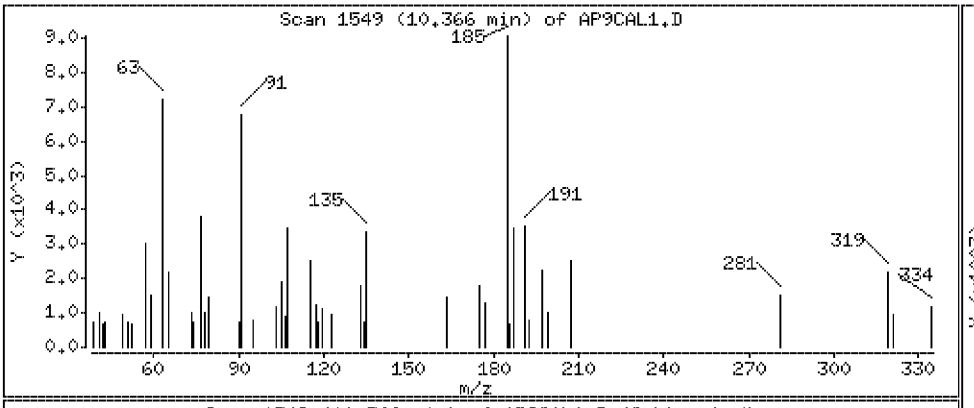
Operator: PEL

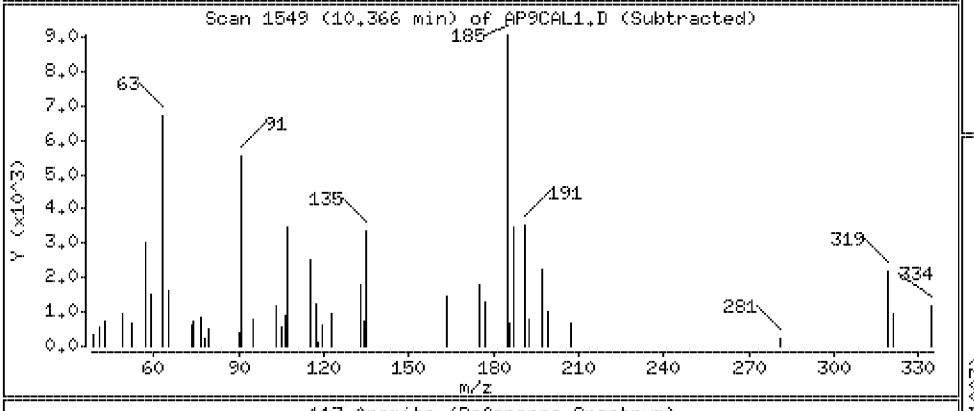
Column phase: HPMS-5

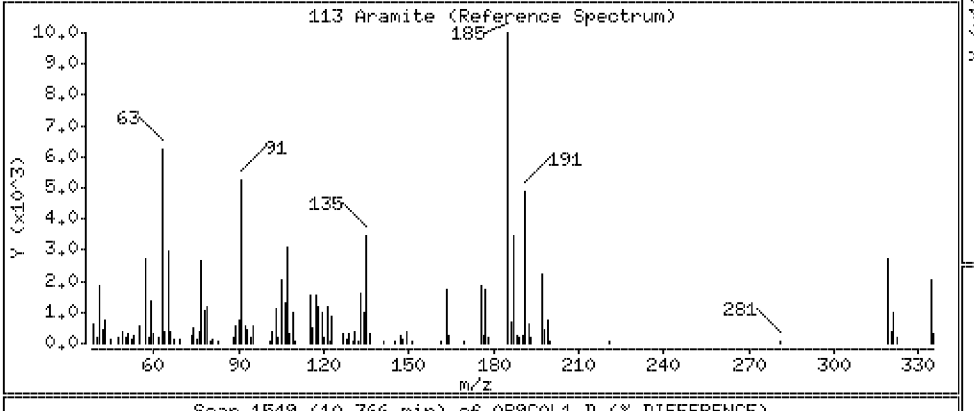
Column diameter: 0.25

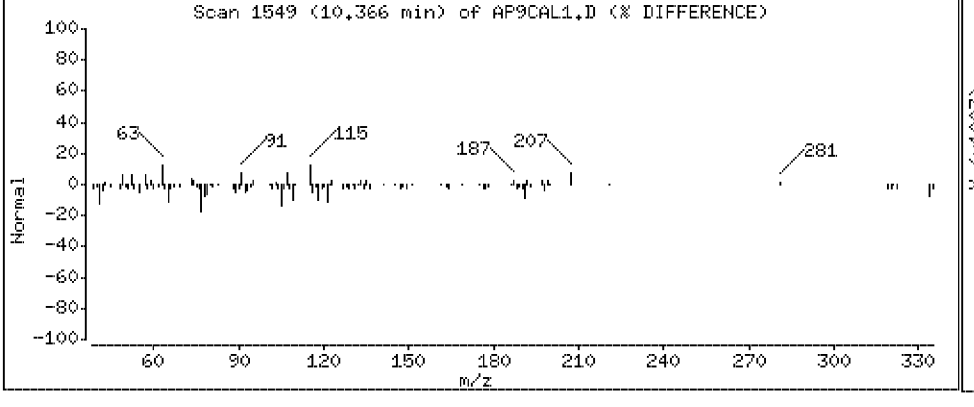
113 Aramite

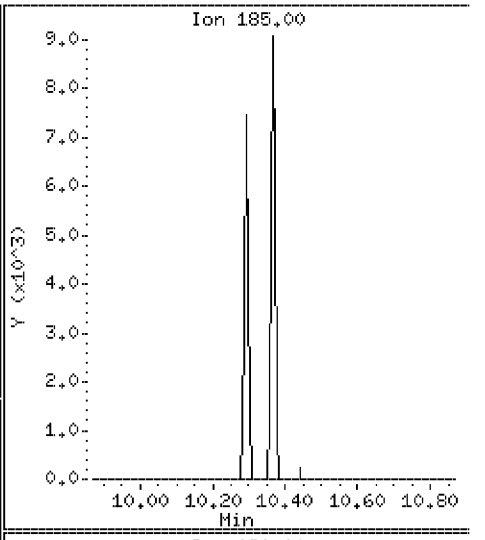
Concentration: 3.4 ug/l

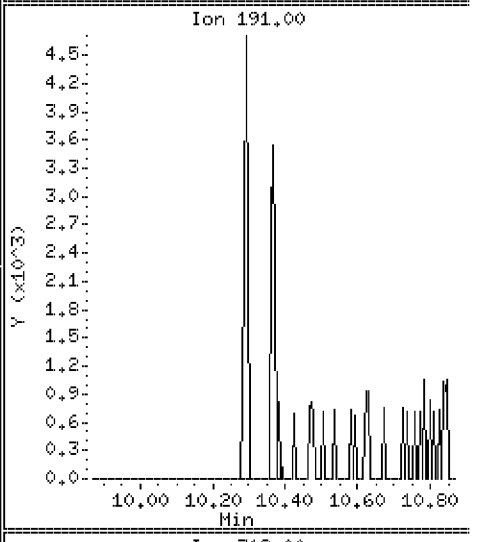


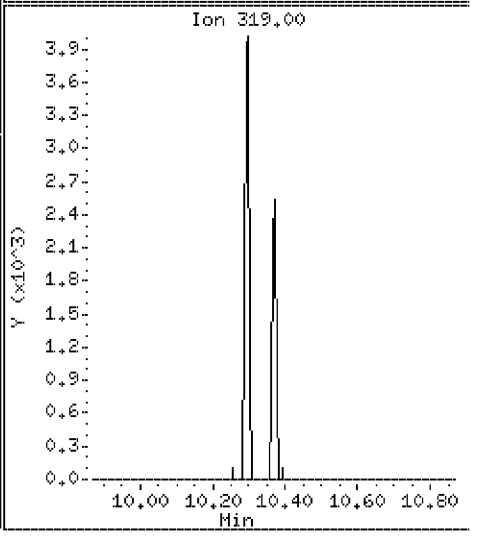












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

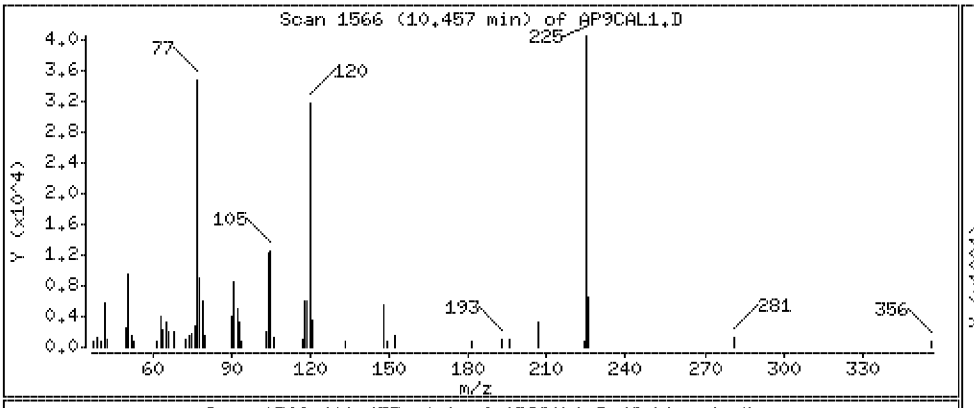
Operator: PEL

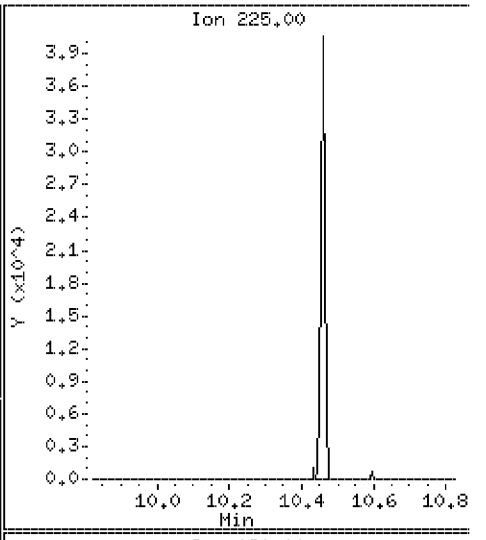
Column phase: HPMS-5

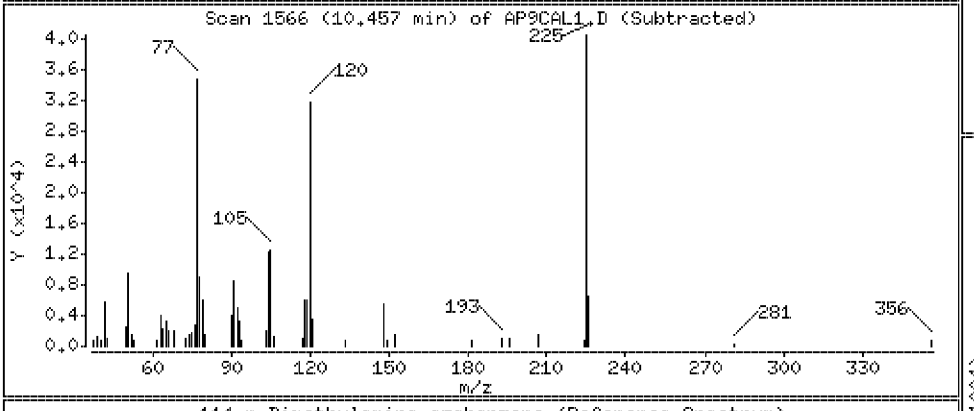
Column diameter: 0.25

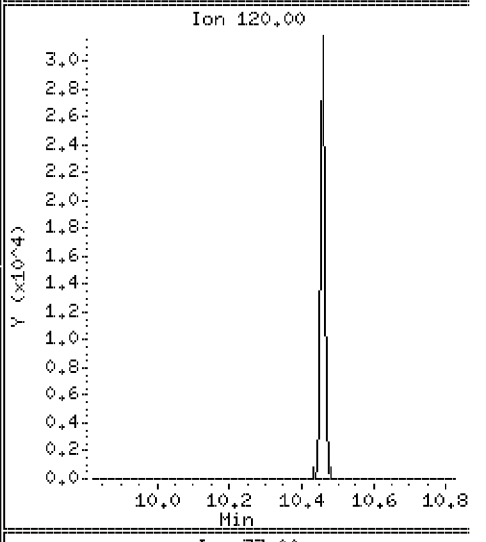
114 p-Dimethylamino azobenzene

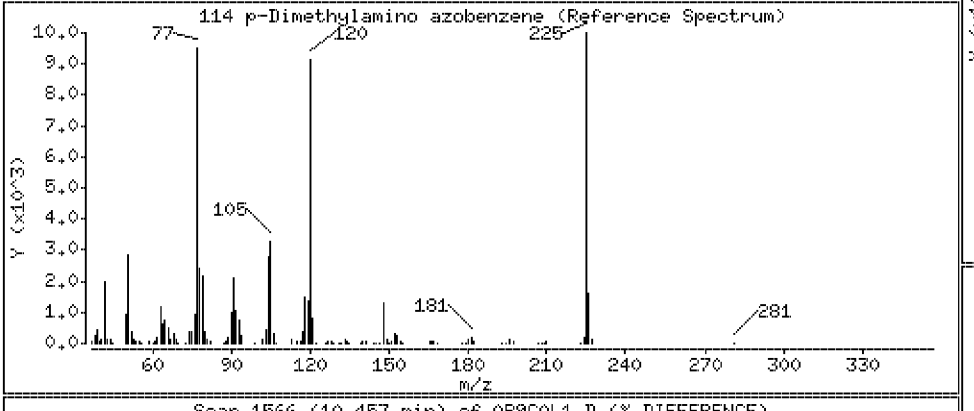
Concentration: 3.4 ug/l

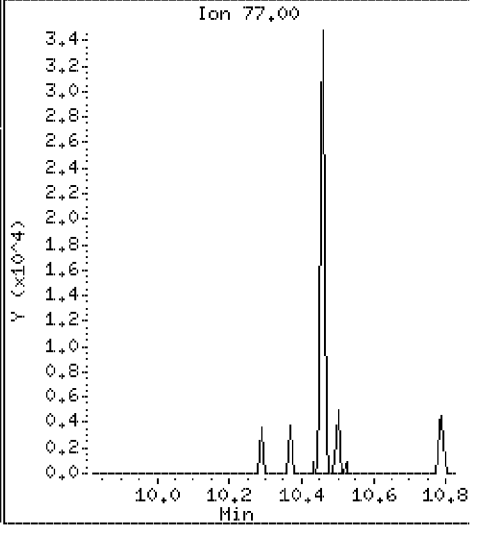


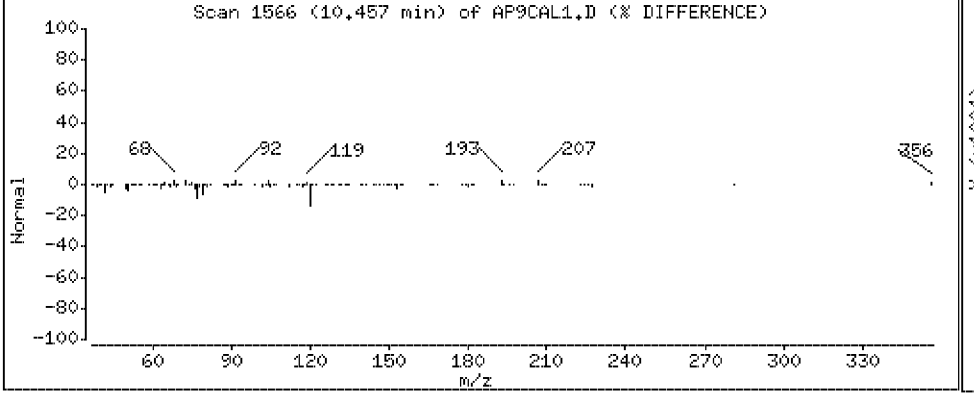












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

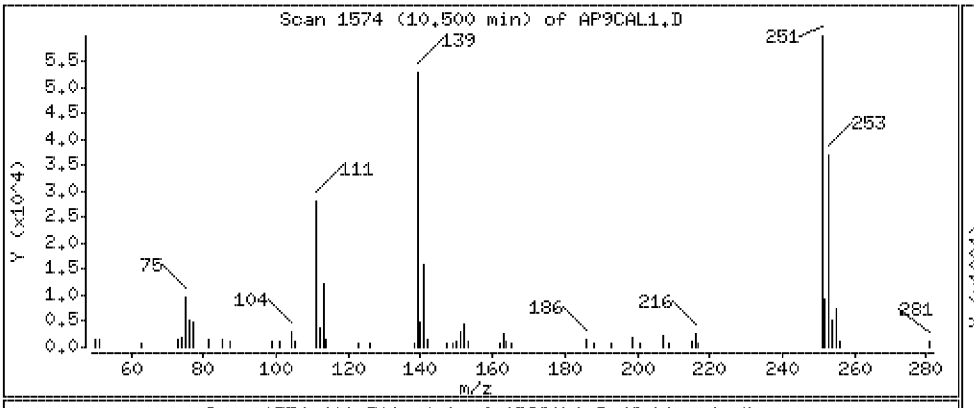
Operator: PEL

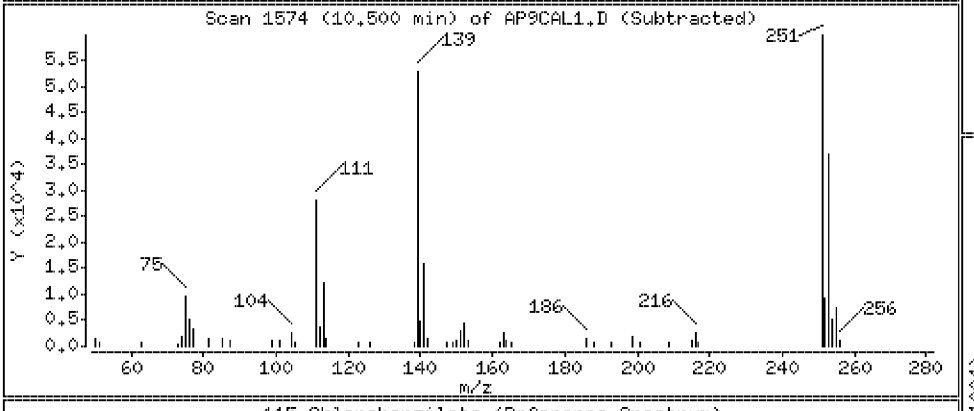
Column phase: HPMS-5

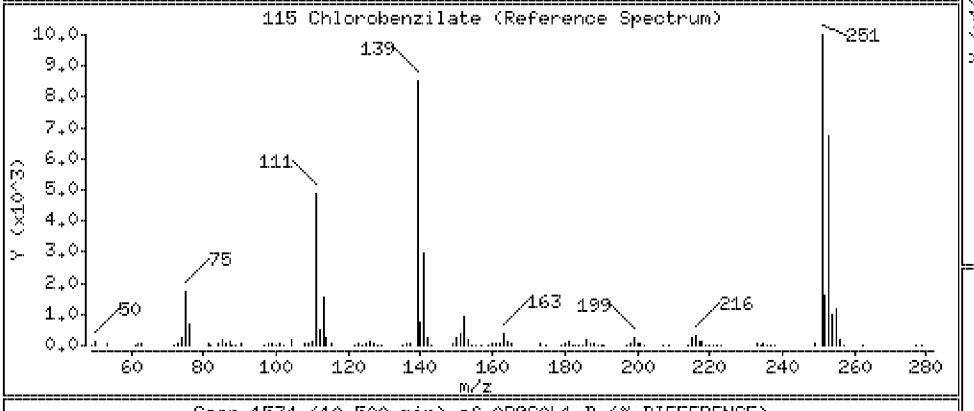
Column diameter: 0.25

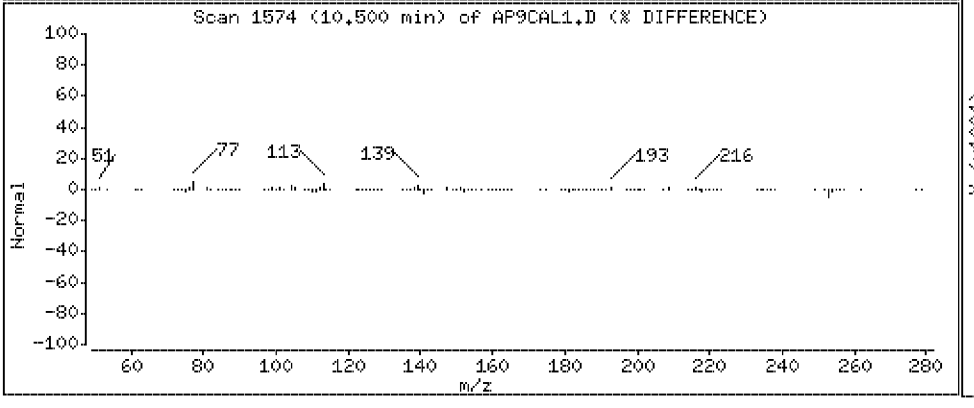
115 Chlorobenzilate

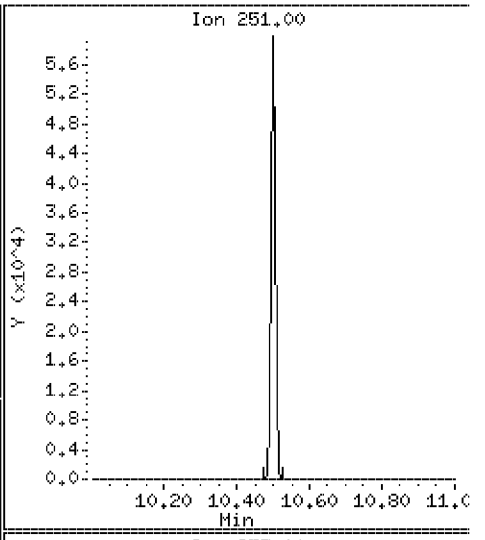
Concentration: 3.5 ug/l

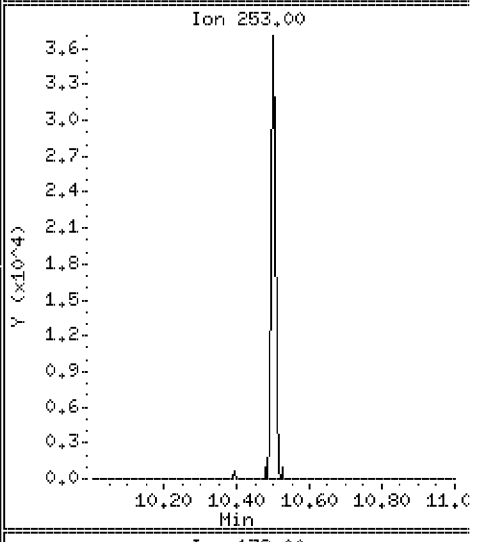


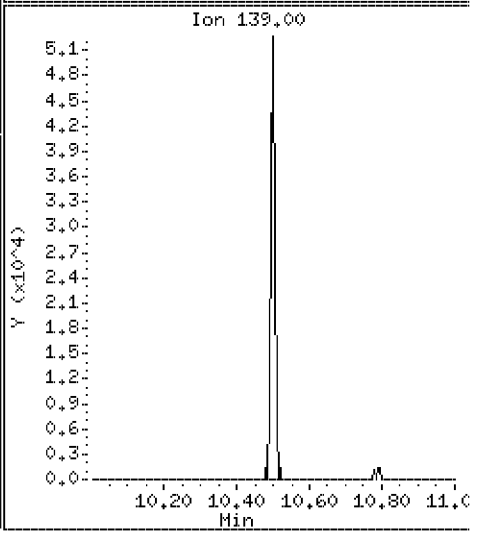












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

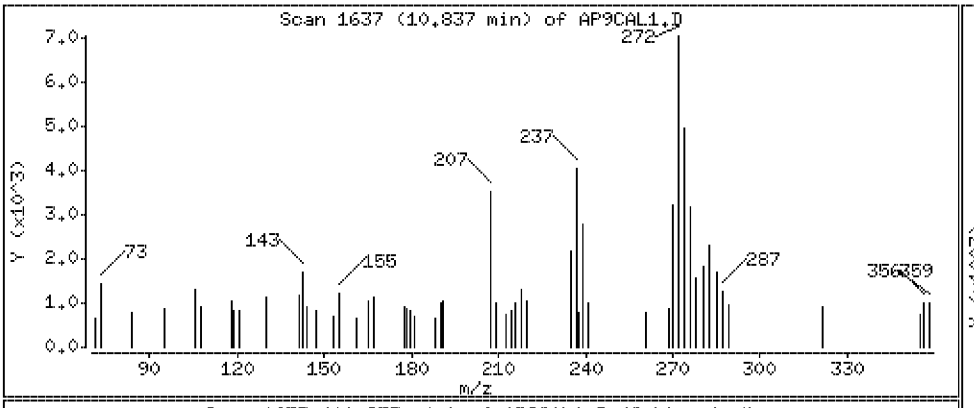
Operator: PEL

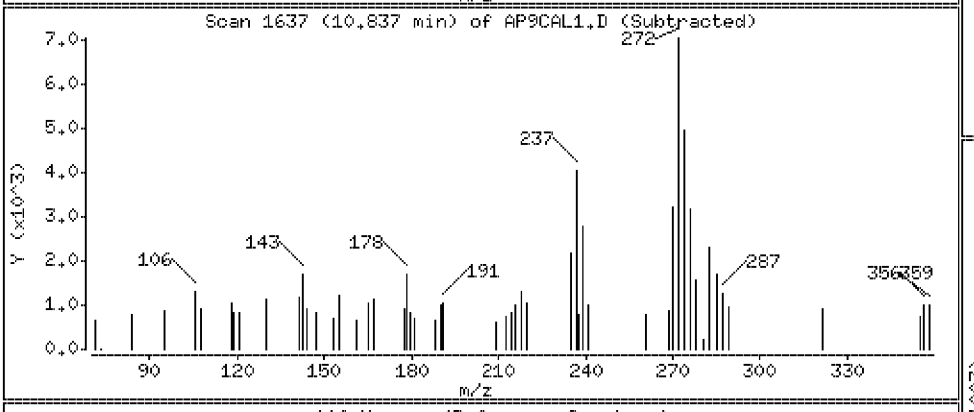
Column phase: HPMS-5

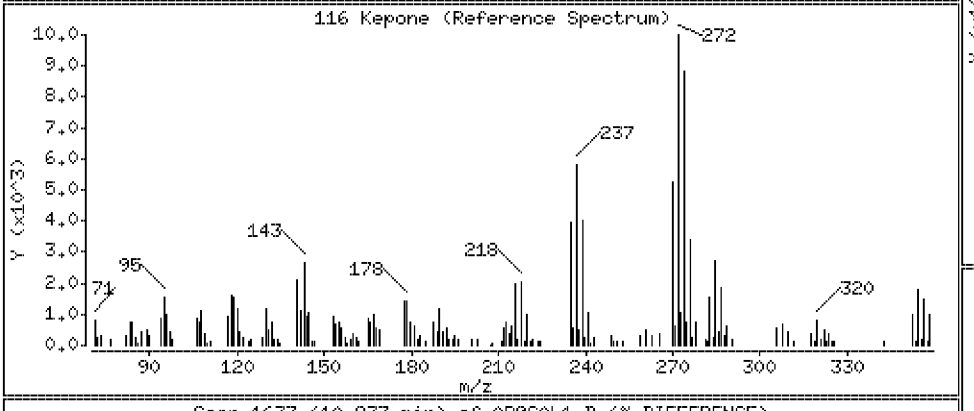
Column diameter: 0.25

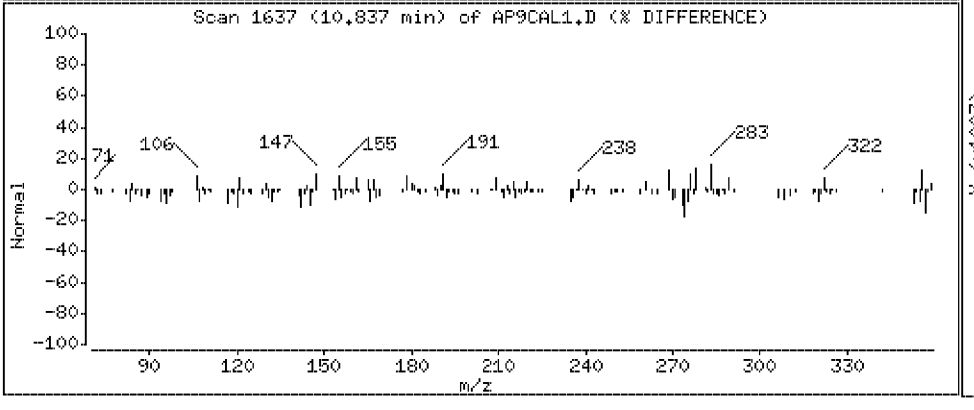
116 Kepone

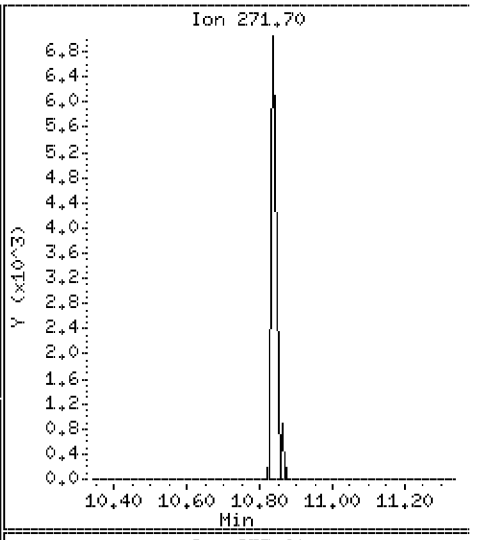
Concentration: 3.0 ug/l

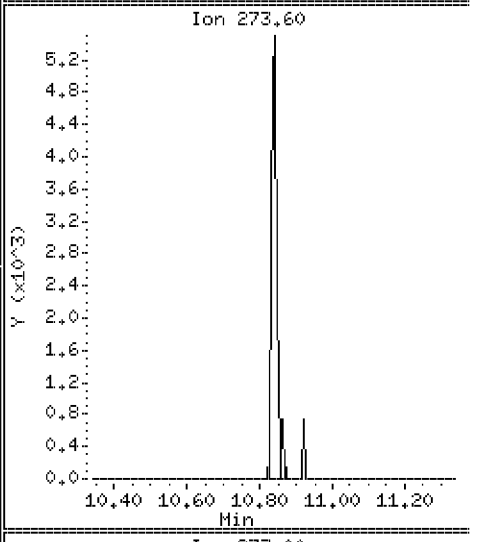


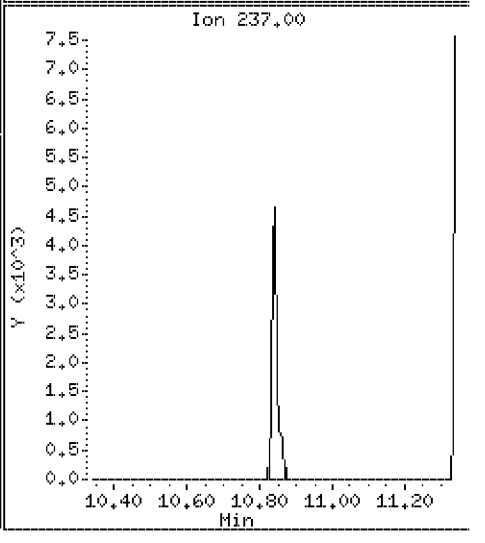












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

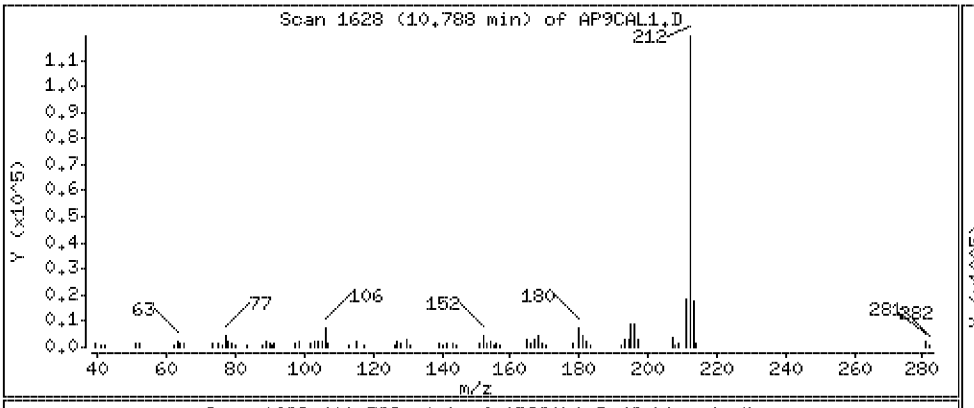
Operator: PEL

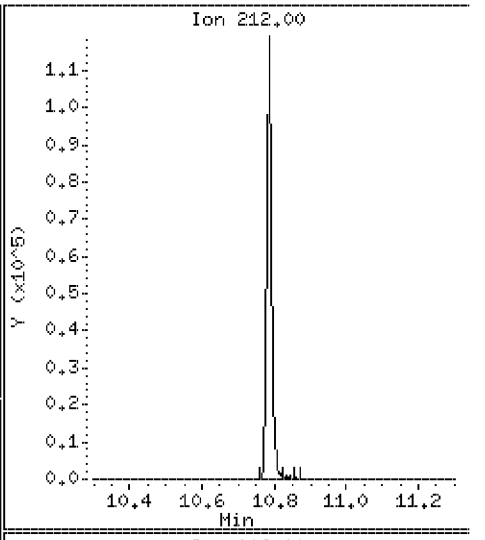
Column phase: HPMS-5

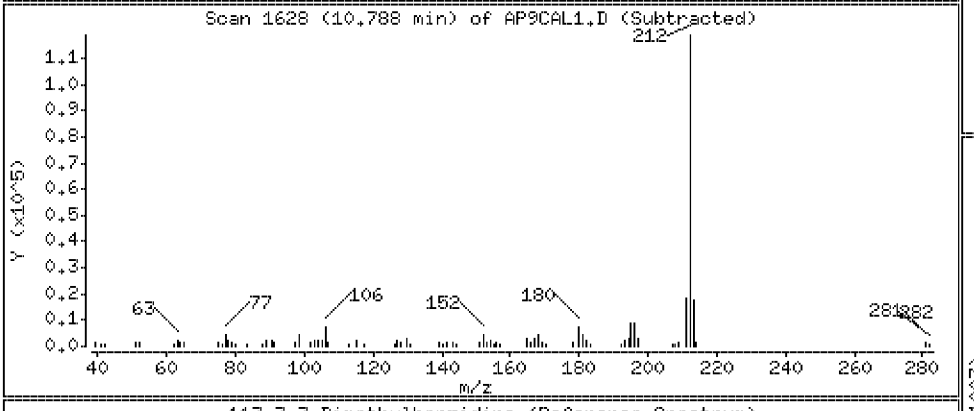
Column diameter: 0.25

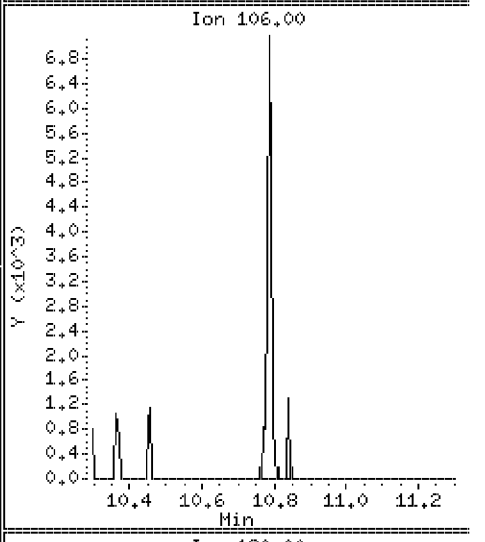
117 3,3-Dimethylbenzidine

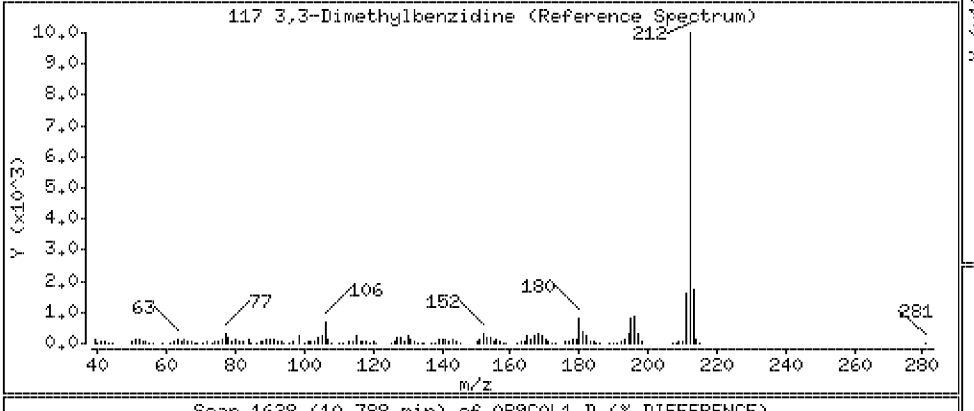
Concentration: 3.7 ug/l

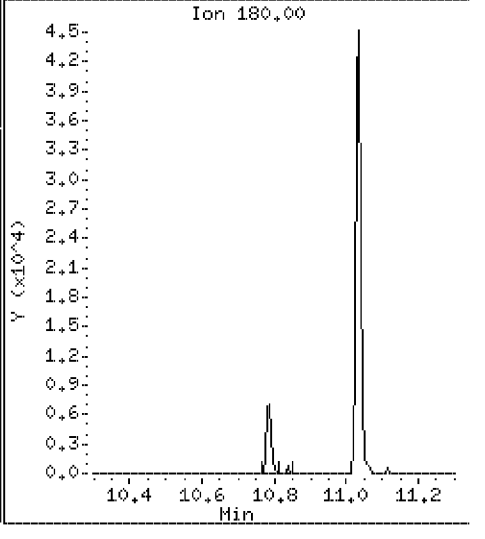


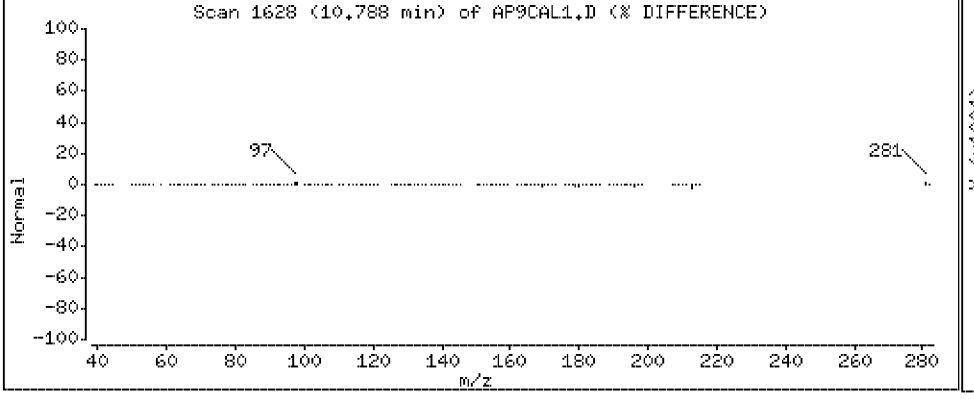












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

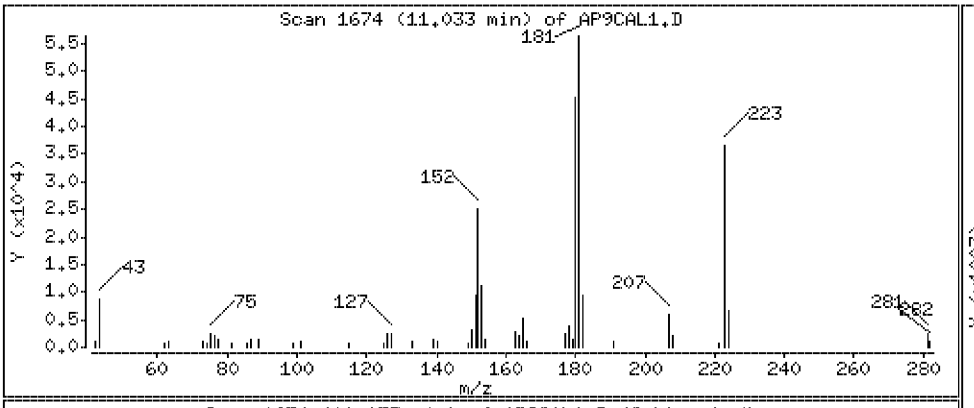
Operator: PEL

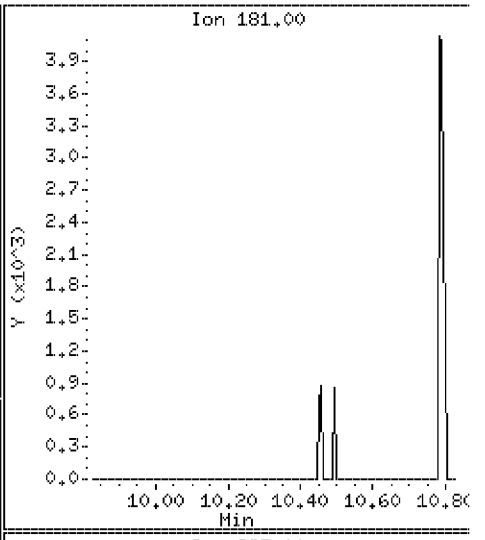
Column phase: HPMS-5

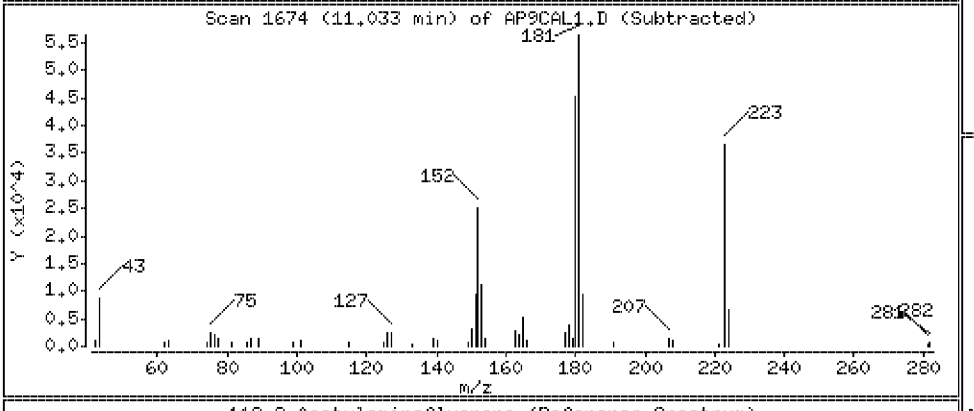
Column diameter: 0.25

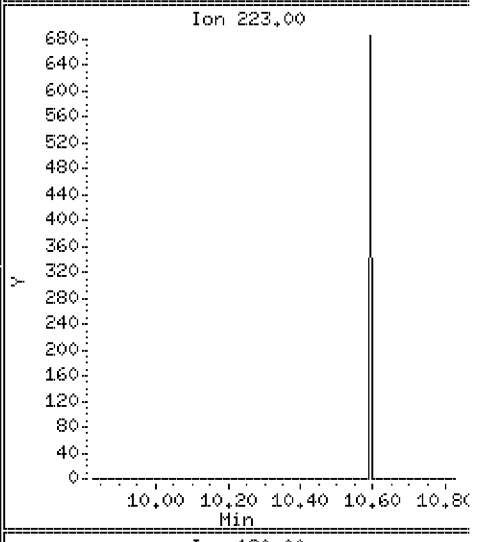
119 2-Acetylaminofluorene

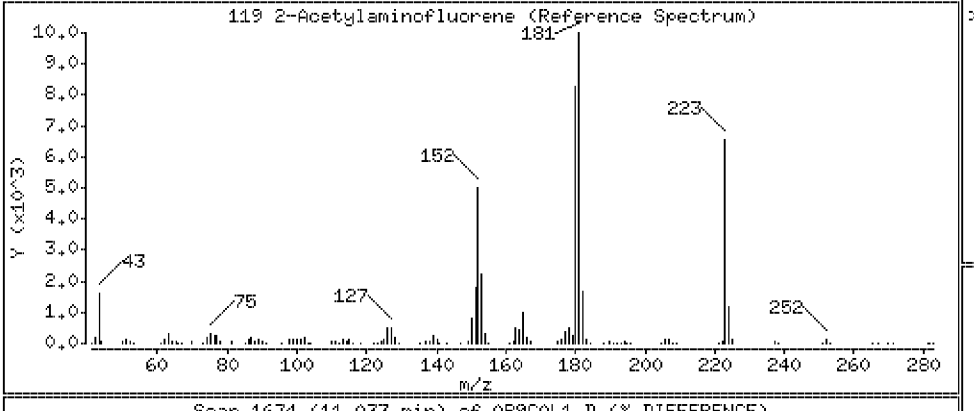
Concentration: 3.1 ug/l

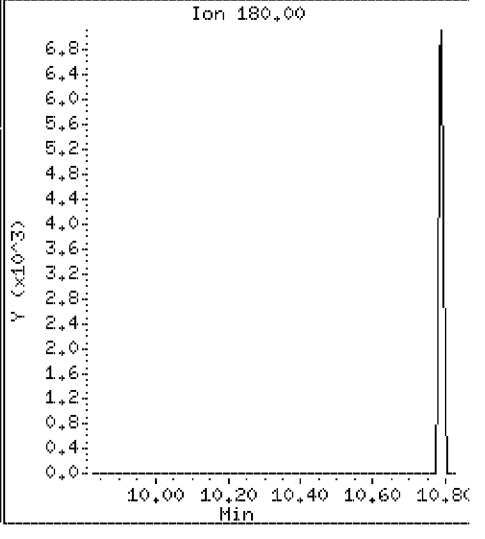


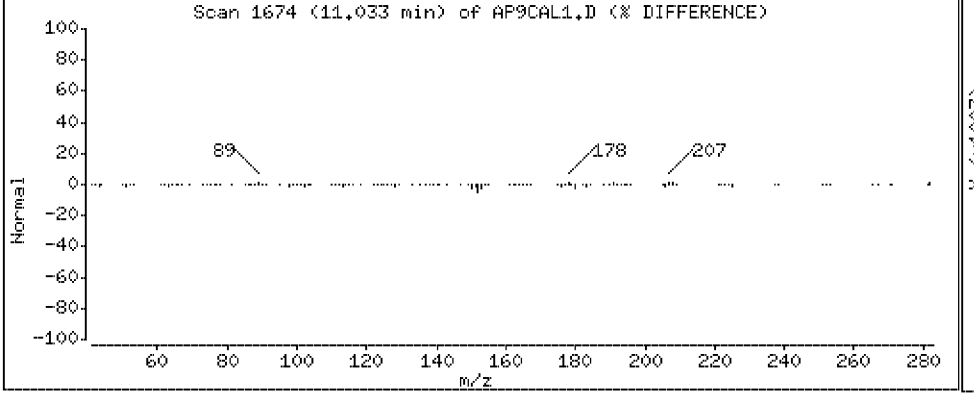












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

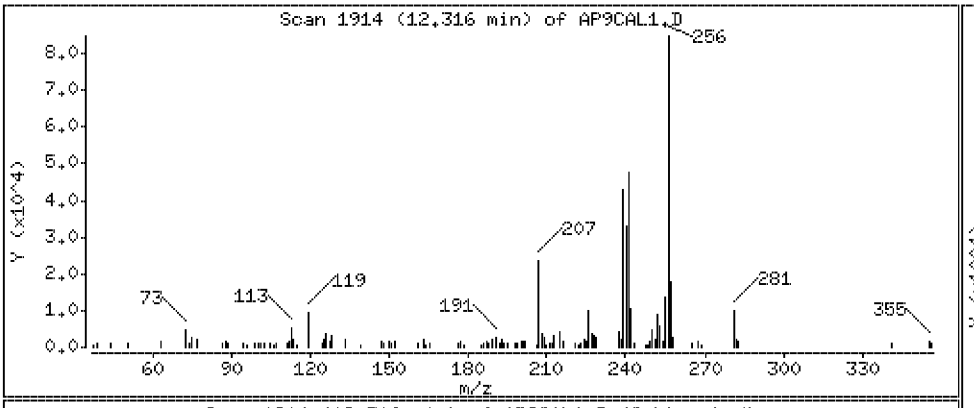
Operator: PEL

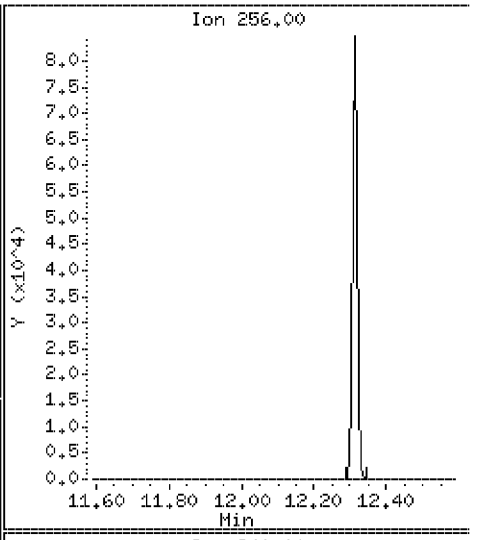
Column phase: HPMS-5

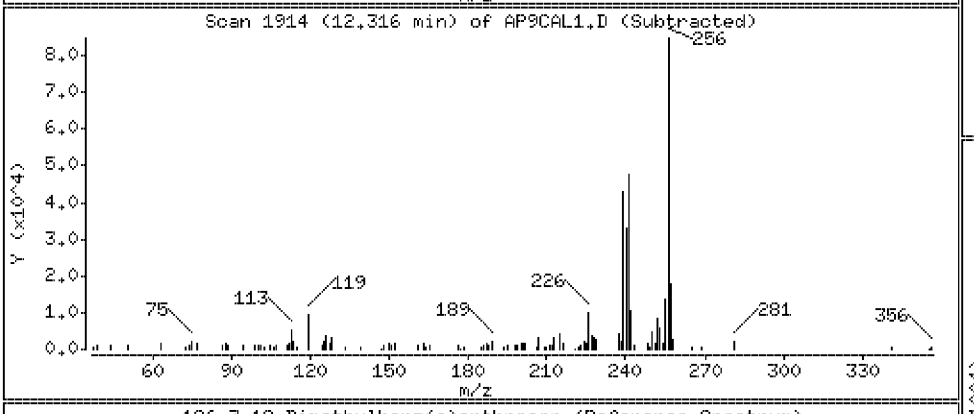
Column diameter: 0.25

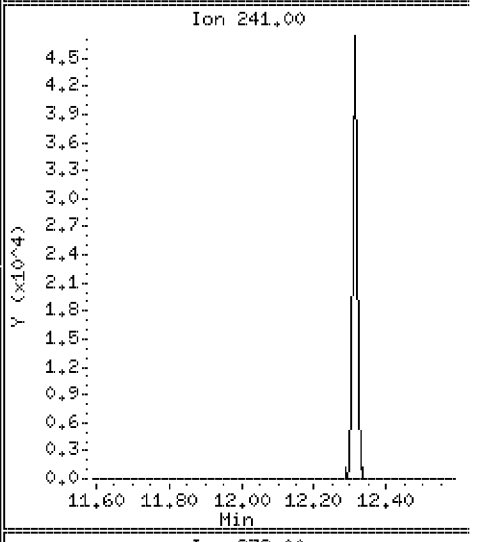
126 7,12-Dimethylbenz(a)anthracen

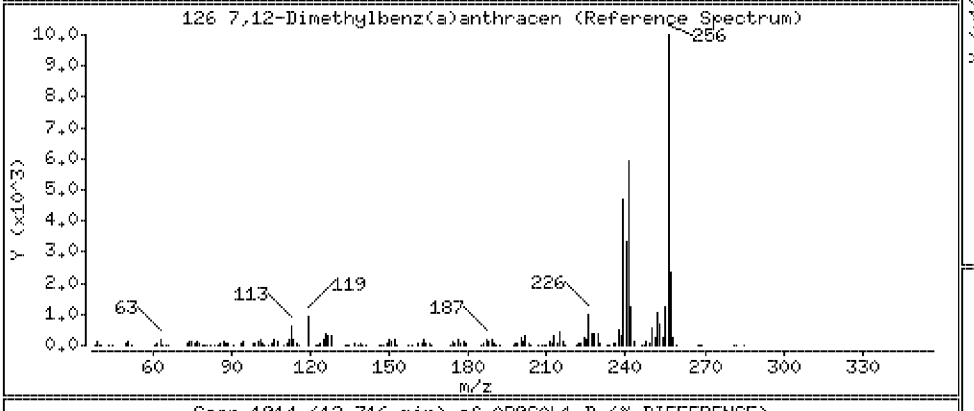
Concentration: 3.4 ug/l

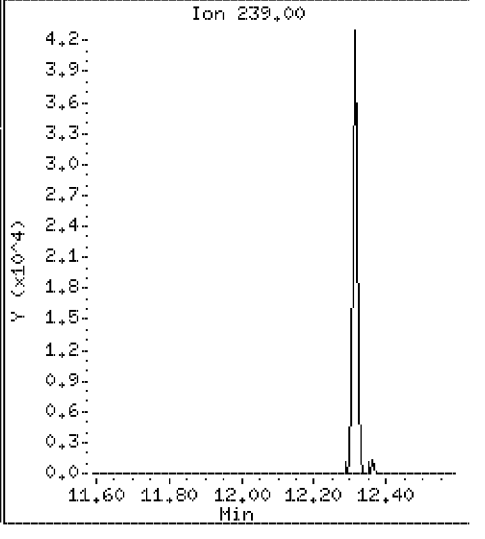


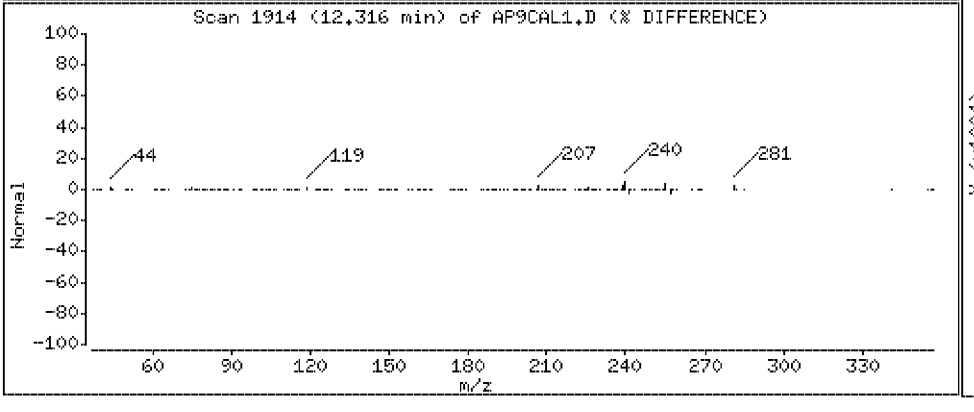












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9CAL1.D

Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

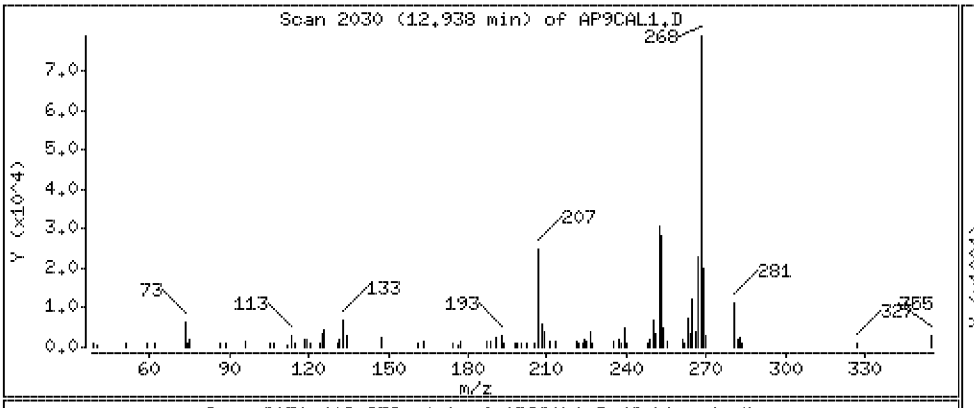
Operator: PEL

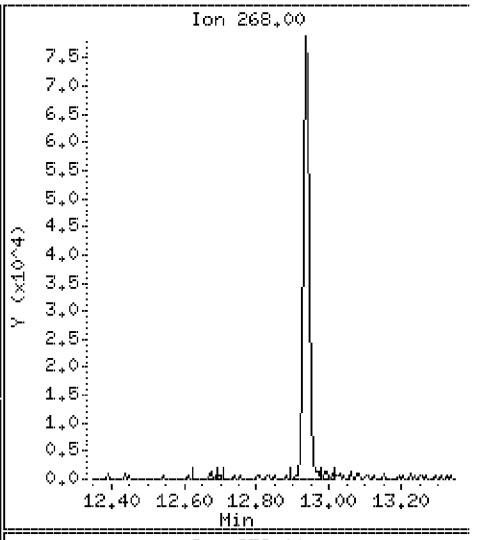
Column phase: HPMS-5

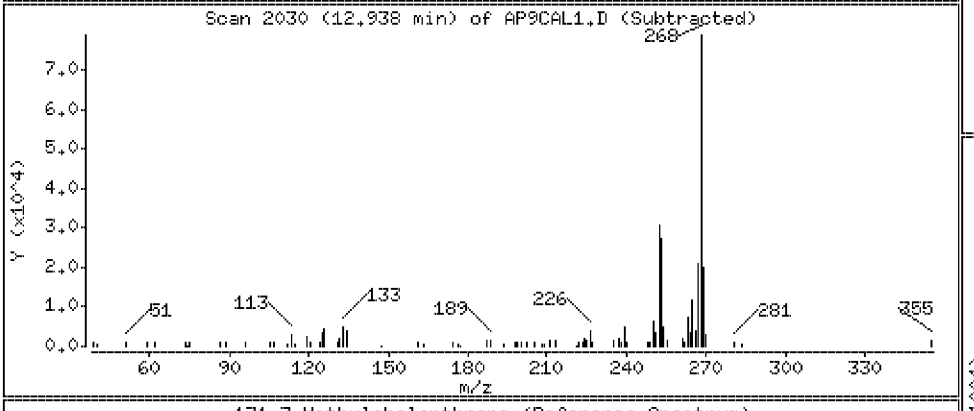
Column diameter: 0.25

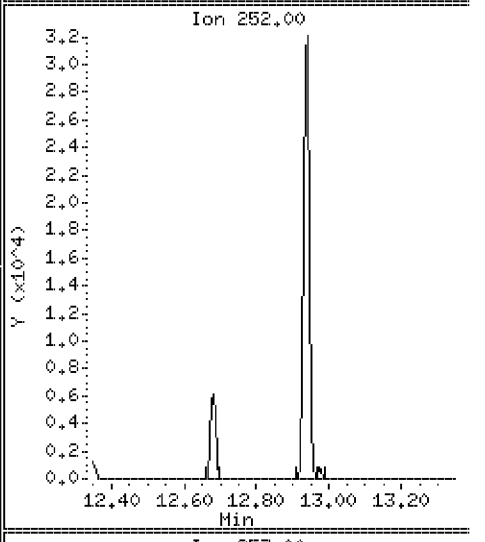
131 3-Methylcholanthrene

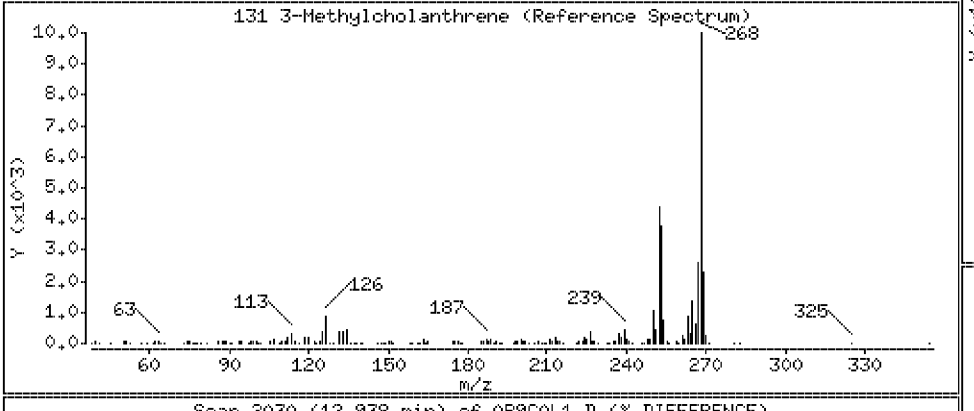
Concentration: 3.5 ug/l

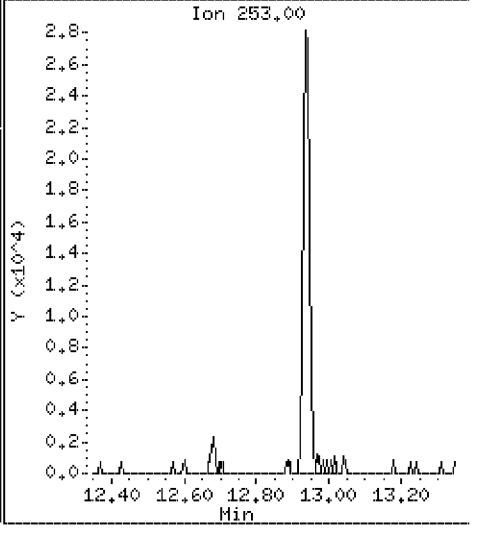


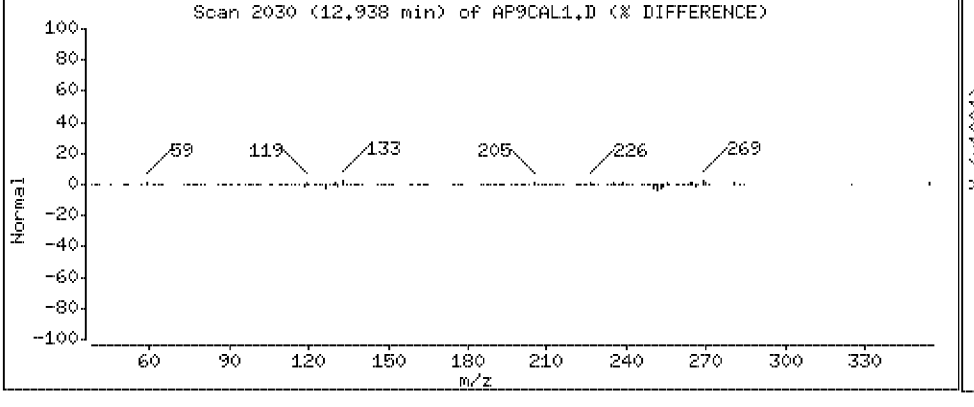












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Date : 23-APR-2012 19:28

Client ID: AP9CAL1

Instrument: smsd03.i

Sample Info: 45961

Purge Volume: 1000.0

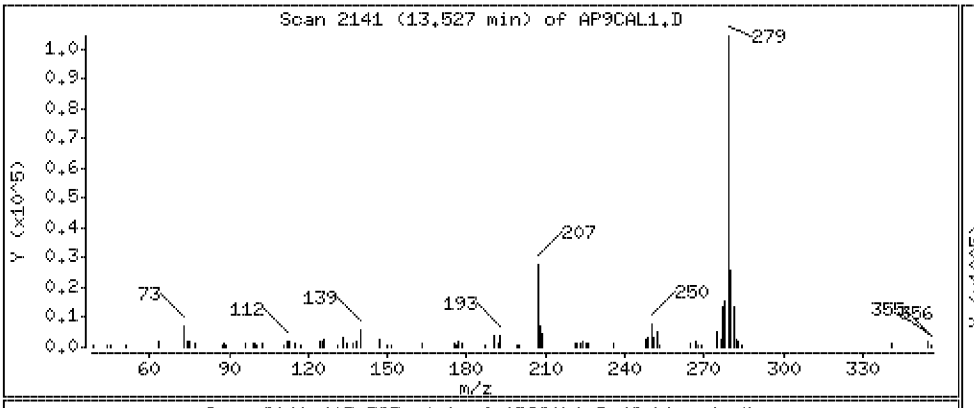
Operator: PEL

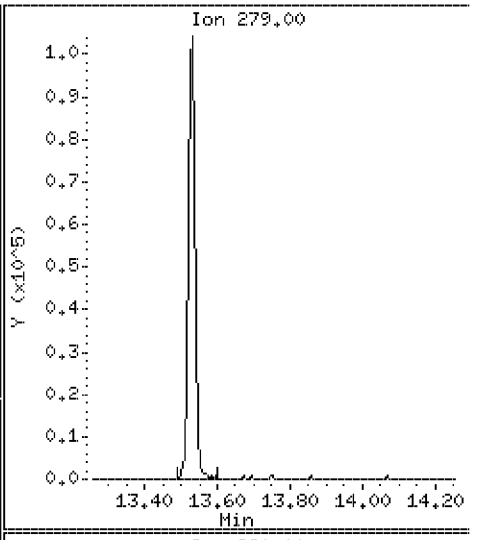
Column phase: HPMS-5

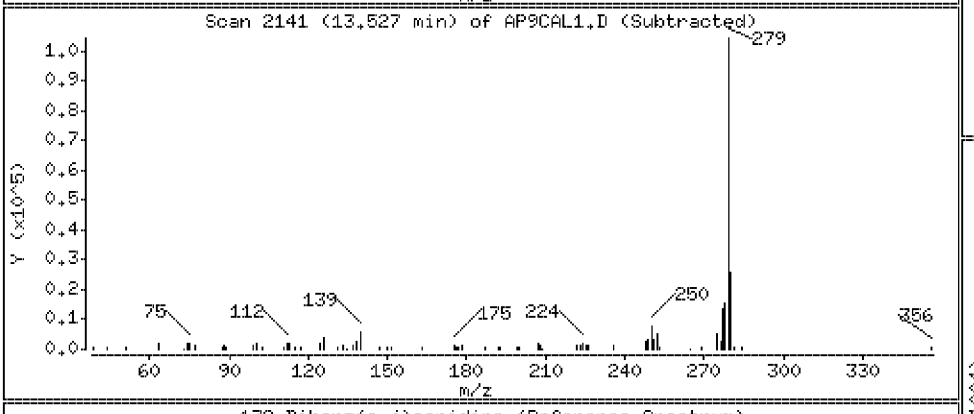
Column diameter: 0.25

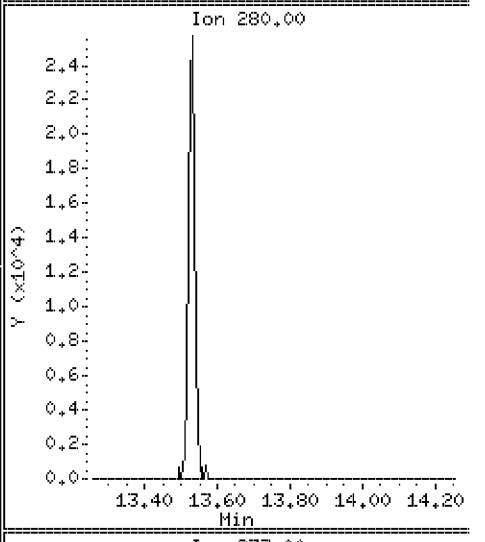
132 Dibenz(a,j)acridine

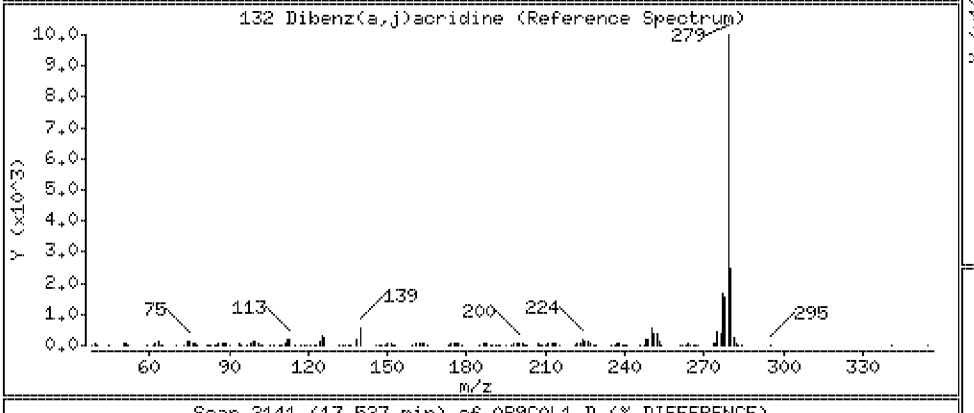
Concentration: 3.7 ug/l

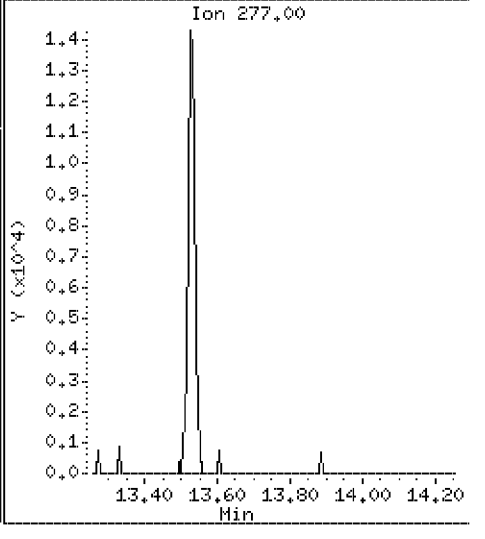


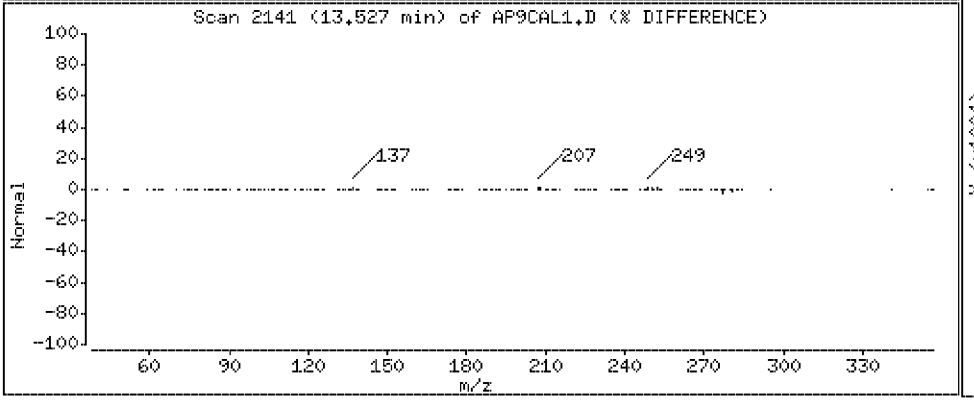












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D
Lab Smp Id: 44612 Client Smp ID: AP9SEC
Inj Date : 23-APR-2012 20:15 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 44612
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042312.b\8270bcs.m
Meth Date : 25-Apr-2012 09:57 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 19:04 Cal File: AP9CAL2.D
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.927	3.382	(0.658)	93	494920	45.0000	42.5	70.00- 130.00	100.00
2.927	3.382	(0.658)	66	245436			46.98- 106.98	49.59
2.927	3.382	(0.658)	92	123723			941.44-1001.44	25.00
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
3.005	3.005	(0.676)	88	199482	45.0000	40.1	80.00- 120.00	100.00
3.003	3.005	(0.675)	43	94118			16.66- 76.66	47.18
3.004	3.005	(0.676)	42	197231			75.28- 135.28	98.87
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.238	3.383	(0.728)	80	328169	45.0000	39.9	70.00- 130.00	100.00
3.239	3.383	(0.728)	79	182327			41.30- 101.30	55.56
3.238	3.383	(0.728)	65	91806			390.98- 450.98	27.98
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.551	3.383	(0.799)	102	206662	45.0000	42.0	70.00- 130.00	100.00
3.550	3.383	(0.799)	42	142795			4947.35-5007.35	69.10
3.551	3.383	(0.799)	57	86873			172953.97-173013.97	42.04
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.789	4.446	(0.852)	79	424155	45.0000	49.7	70.00- 130.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.789	4.446	(0.852)	109	213176			103.08- 163.08	50.26
3.789	4.446	(0.852)	97	79019			71.09- 131.09	18.63
	12 Pentachloroethane						CAS #: 76-01-7	
4.206	4.207	(0.946)	167	207359	45.0000	42.6	80.00- 120.00	100.00
4.206	4.207	(0.946)	117	150682			42.54- 102.54	72.67
4.206	4.207	(0.946)	130	88987			11.81- 71.81	42.91
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1	
4.446	4.448	(1.000)	152	318399	40.0000		80.00- 120.00	100.00
4.446	4.448	(1.000)	115	200687			32.20- 92.20	63.03
4.446	4.448	(1.000)	150	483315			139.77- 199.77	151.80
	24 N-Nitrosopyrrolidine						CAS #: 930-55-2	
4.787	4.944	(1.077)	100	234532	45.0000	45.2	70.00- 130.00	100.00
4.787	4.944	(1.077)	41	157536			349.38- 409.38	67.17
4.786	4.944	(1.077)	42	132312			7836.39-7896.39	56.42
	25 Acetophenone						CAS #: 98-86-2	
4.801	4.807	(0.856)	105	667468	45.0000	43.8	70.00- 130.00	100.00
4.800	4.807	(0.856)	77	674282			4410.01-4470.01	101.02
4.800	4.807	(0.856)	51	171507			1262.06-1322.06	25.70
	27 N-Nitrosomorpholine						CAS #: 59-89-2	
4.817	4.446	(1.084)	56	243293	45.0000	45.8	70.00- 130.00	100.00
4.818	4.446	(1.084)	116	86062			116.25- 176.25	35.37
4.817	4.446	(1.084)	86	172359			171.65- 231.65	70.84
	29 o-Toluidine						CAS #: 95-53-4	
4.836	4.814	(1.088)	106	695504	45.0000	41.1	70.00- 130.00	100.00
4.835	4.814	(1.088)	77	171114			36058.41-36118.41	24.60
4.836	4.814	(1.088)	107	515322			76505.71-76565.71	74.09
	33 N-Nitrosopiperidine						CAS #: 100-75-4	
5.096	4.798	(0.909)	114	205133	45.0000	44.2	70.00- 130.00	100.00
5.095	4.798	(0.909)	42	232828			3934.42-3994.42	113.50
5.095	4.798	(0.909)	55	123459			491.51- 551.51	60.18
	37 o,o,o-Triethylphosphorothioate						CAS #: 126-68-1	
5.338	5.338	(1.201)	198	330916	45.0000	43.2	80.00- 120.00	100.00
5.336	5.338	(1.200)	97	222757			34.93- 94.93	67.32
5.336	5.338	(1.200)	65	177738			24.79- 84.79	53.71
	39 a,a-Dimethylphenethylamine						CAS #: 122-09-8	
5.441	5.370	(0.970)	58	802427	45.0000	49.4	70.00- 130.00	100.00
5.442	5.370	(0.970)	91	272309			64.34- 124.34	33.94
5.441	5.370	(0.970)	65	149004			12409.05-12469.05	18.57
*	43 Naphthalene-d8						CAS #: 1146-65-2	
5.608	5.610	(1.000)	136	1066042	40.0000		80.00- 120.00	100.00
5.607	5.610	(1.000)	68	56791			0.00- 35.51	5.33

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.692	5.691	(1.015)	162	406203	45.0000	45.5	70.00- 130.00	100.00
5.691	5.691	(1.015)	63	305152			8424.37-8484.37	75.12
5.691	5.691	(1.015)	98	108806			164.07- 224.07	26.79
47 Hexachloropropene						CAS #: 1888-71-7		
5.713	5.712	(1.019)	213	490636	45.0000	41.3	80.00- 120.00	100.00
5.713	5.712	(1.019)	215	323976			34.61- 94.61	66.03
5.711	5.712	(1.018)	117	102444			0.00- 50.39	20.88
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.993	6.287	(1.069)	84	379397	45.0000	44.2	70.00- 130.00	100.00
5.993	6.287	(1.069)	57	224872			1288.18-1348.18	59.27
5.992	6.287	(1.069)	41	200895			66.46- 126.46	52.95
52 Isosafrole						CAS #: 120-58-1		
6.200	6.619	(1.106)	162	397662	45.0000	46.0	70.00- 130.00	100.00
6.200	6.619	(1.106)	104	299208			0.00- 46.22	75.24
6.200	6.619	(1.106)	131	189122			37.69- 97.69	47.56
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.452	6.452	(0.883)	216	600259	45.0000	42.4	80.00- 120.00	100.00
6.452	6.452	(0.883)	214	464120			48.19- 108.19	77.32
6.451	6.452	(0.883)	108	107682			0.00- 47.81	17.94
60 Safrole						CAS #: 94-59-7		
6.702	6.619	(1.195)	162	411144	45.0000	50.7	70.00- 130.00	100.00
6.702	6.619	(1.195)	104	263688			0.00- 46.22	64.14
6.701	6.619	(1.195)	77	167438			0.00- 57.00	40.72
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.932	6.642	(0.949)	158	357196	45.0000	44.7	70.00- 130.00	100.00
6.931	6.642	(0.949)	102	317015			523.56- 583.56	88.75
6.932	6.642	(0.949)	130	163384			0.00- 46.52	45.74
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.069	7.368	(0.968)	168	179544	45.0000	47.5	70.00- 130.00	100.00
7.068	7.368	(0.968)	75	242251			98.40- 158.40	134.93
7.068	7.368	(0.968)	50	138354			177.84- 237.84	77.06
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.303	7.305	(1.000)	164	747353	40.0000		80.00- 120.00	100.00
7.303	7.305	(1.000)	162	722735			64.73- 124.73	96.71
7.303	7.305	(1.000)	160	335640			12.46- 72.46	44.91
73 Pentachlorobenzene						CAS #: 608-93-5		
7.467	7.467	(1.022)	250	610300	45.0000	44.2	80.00- 120.00	100.00
7.467	7.467	(1.022)	252	395972			34.92- 94.92	64.88
7.466	7.467	(1.022)	108	169648			0.00- 56.94	27.80
77 1-Naphthylamine						CAS #: 134-32-7		
7.582	7.837	(1.038)	143	779241	45.0000	59.6	70.00- 130.00	100.00
7.582	7.837	(1.038)	115	447705			7143.21-7203.21	57.45

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
77 1-Naphthylamine (continued)								
7.581	7.837	(1.038)	89	90884			2068.79-2128.79	11.66
78 2,3,4,6-Tetrachlorophenol							CAS #: 58-90-2	
7.635	7.634	(1.045)	232	315641	45.0000	41.6	70.00- 130.00	100.00
7.634	7.634	(1.045)	168	87785			42.05- 102.05	27.81
7.634	7.634	(1.045)	131	132645			9.10- 69.10	42.02
79 2-Naphthylamine							CAS #: 91-59-8	
7.661	7.837	(1.049)	143	944794	45.0000	55.2	70.00- 130.00	100.00
7.660	7.837	(1.049)	115	555744			7143.21-7203.21	58.82
7.660	7.837	(1.049)	116	208306			667.96- 727.96	22.05
83 5-Nitro-ortho-toluidine							CAS #: 99-55-8	
7.857	7.896	(1.076)	152	281408	45.0000	42.3	70.00- 130.00	100.00
7.856	7.896	(1.076)	106	202615			505.60- 565.60	72.00
7.855	7.896	(1.076)	77	355671			735.48- 795.48	126.39
90 1,3,5-Trinitrobenzene							CAS #: 99-35-4	
8.216	8.152	(1.125)	75	431515	45.0000	25.4	70.00- 130.00	100.00
8.216	8.152	(1.125)	74	262614			50.14- 110.14	60.86
8.217	8.152	(1.125)	213	152461			40.88- 100.88	35.33
89 Diallate							CAS #: 2303-16-4	
8.231	8.081	(1.127)	86	403892	45.0000	43.5	70.00- 130.00	100.00(M)
8.231	8.081	(1.127)	43	408738			0.00- 38.70	101.20
8.231	8.081	(1.127)	234	277853			0.00- 39.00	68.79
92 Phenacetin							CAS #: 62-44-2	
8.265	8.384	(0.944)	109	469033	45.0000	42.9	70.00- 130.00	100.00
8.265	8.384	(0.944)	108	537749			77.38- 137.38	114.65
8.266	8.384	(0.944)	179	314523			133.19- 193.19	67.06
91 p-Phenylenediamine							CAS #: 106-50-3	
8.265	8.082	(0.944)	108	537749	45.0000	44.9	70.00- 130.00	100.00
8.265	8.082	(0.943)	80	152247			1858.68-1918.68	28.31
8.265	8.082	(0.943)	53	69020			5306.16-5366.16	12.83
97 Pentachloronitrobenzene							CAS #: 82-68-8	
8.590	8.589	(0.981)	237	254031	45.0000	45.1	80.00- 120.00	100.00
8.590	8.589	(0.981)	295	95645			7.36- 67.36	37.65
8.589	8.589	(0.980)	142	179807			42.99- 102.99	70.78
98 4-Aminobiphenyl							CAS #: 92-67-1	
8.576	8.584	(0.979)	169	1151552	45.0000	42.5	70.00- 130.00	100.00
8.576	8.584	(0.979)	168	263488			0.00- 49.63	22.88
8.576	8.584	(0.979)	115	139998			0.00- 40.98	12.16
99 Pronamide							CAS #: 23950-58-5	
8.632	8.781	(0.985)	173	621945	45.0000	46.1	70.00- 130.00	100.00
8.632	8.781	(0.985)	175	392058			2051.90-2111.90	63.04
8.632	8.781	(0.985)	145	237175			63.94- 123.94	38.13

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.760	8.761	(1.000)	188	1568959	40.0000		80.00- 120.00	100.00
8.759	8.761	(1.000)	94	102260			0.00- 36.35	6.52
8.759	8.761	(1.000)	80	135381			0.00- 37.82	8.63
102 Dinoseb						CAS #: 88-85-7		
8.755	8.753	(0.999)	211	414002	45.0000	46.2	80.00- 120.00	100.00
8.754	8.753	(0.999)	163	160993			7.77- 67.77	38.89
8.754	8.753	(0.999)	117	95143			0.00- 52.05	22.98
106 4-Nitroquinoline-1-oxide						CAS #: 56-57-5		
9.544	9.334	(1.089)	174	16323	45.0000	42.8	70.00- 130.00	100.00(Q)
9.543	9.334	(1.089)	128	38260			429.24- 489.24	234.39
9.543	9.334	(1.089)	101	65317			988.96-1048.96	400.15
107 Methapyrilene						CAS #: 91-80-5		
9.610	10.322	(1.097)	97	360479	45.0000	686	70.00- 130.00	100.00(A)
9.610	10.322	(1.097)	58	362230			11.52- 71.52	100.49
9.611	10.322	(1.097)	191	58184			0.00- 52.18	16.14
108 Isodrin						CAS #: 465-73-6		
9.802	10.279	(1.119)	193	229599	45.0000	48.0	70.00- 130.00	100.00
9.800	10.279	(1.119)	66	213259			17952.44-18012.44	92.88
9.802	10.279	(1.119)	195	197514			1135.23-1195.23	86.03
113 Aramite						CAS #: 140-57-8		
10.368	10.370	(0.913)	185	207502	45.0000	43.5	80.00- 120.00	100.00(M)
10.368	10.370	(0.913)	191	100848			21.78- 81.78	48.60
10.298	10.370	(0.907)	319	73797			6.67- 66.67	35.56
114 p-Dimethylamino azobenzene						CAS #: 60-11-7		
10.461	10.323	(0.921)	225	532549	45.0000	45.3	70.00- 130.00	100.00
10.460	10.323	(0.921)	120	506135			99.50- 159.50	95.04
10.460	10.323	(0.921)	77	551341			9.48- 69.48	103.53
115 Chlorobenzilate						CAS #: 510-15-6		
10.504	10.503	(0.925)	251	789166	45.0000	43.4	80.00- 120.00	100.00
10.504	10.503	(0.925)	253	518902			35.78- 95.78	65.75
10.503	10.503	(0.925)	139	721251			60.72- 120.72	91.39
116 Kepone						CAS #: 143-50-0		
10.843	10.840	(0.955)	272	137002	45.0000	44.1	80.00- 120.00	100.00(QM)
10.843	10.840	(0.955)	274	98845			51.74- 111.74	72.15
10.843	10.840	(0.955)	237	135237			0.00- 59.52	98.71
117 3,3-Dimethylbenzidine						CAS #: 119-93-7		
10.793	10.799	(0.951)	212	1429275	45.0000	40.0	70.00- 130.00	100.00
10.791	10.799	(0.950)	106	99455			2299.94-2359.94	6.96
10.792	10.799	(0.951)	180	107930			6.44- 66.44	7.55
119 2-Acetylaminofluorene						CAS #: 53-96-3		
11.041	10.324	(0.972)	181	892960	45.0000	43.4	70.00- 130.00	100.00
11.042	10.324	(0.973)	223	581651			491.83- 551.83	65.14

				AMOUNTS				
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	119 2-Acetylaminofluorene (continued)							
11.041	10.324	(0.972)	180	774221			639.65- 699.65	86.70
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.354	11.359	(1.000)	240	1997141	40.0000		80.00- 120.00	100.00
11.353	11.359	(1.000)	120	107489			0.00- 36.38	5.38
11.354	11.359	(1.000)	236	531644			0.00- 57.06	26.62
	126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6	
12.322	12.088	(0.972)	256	1332892	45.0000	46.7	70.00- 130.00	100.00
12.321	12.088	(0.972)	241	758937			77.87- 137.87	56.94
12.321	12.088	(0.972)	239	615871			73.24- 133.24	46.21
* 130 Perylene-d12							CAS #: 1520-96-3	
12.680	12.682	(1.000)	264	2004107	40.0000		80.00- 120.00	100.00
12.680	12.682	(1.000)	260	493813			0.00- 54.80	24.64
12.679	12.682	(1.000)	265	455782			0.00- 53.39	22.74
	131 3-Methylcholanthrene						CAS #: 56-49-5	
12.947	12.847	(1.021)	268	1452809	45.0000	45.2	70.00- 130.00	100.00
12.947	12.847	(1.021)	252	644893			13.23- 73.23	44.39
12.947	12.847	(1.021)	253	542746			6.61- 66.61	37.36
	132 Dibenz(a,j)acridine						CAS #: 224-42-0	
13.539	13.755	(1.068)	279	2064924	45.0000	44.7	70.00- 130.00	100.00
13.539	13.755	(1.068)	280	504879			0.00- 41.79	24.45
13.539	13.755	(1.068)	277	323026			93.47- 153.47	15.64

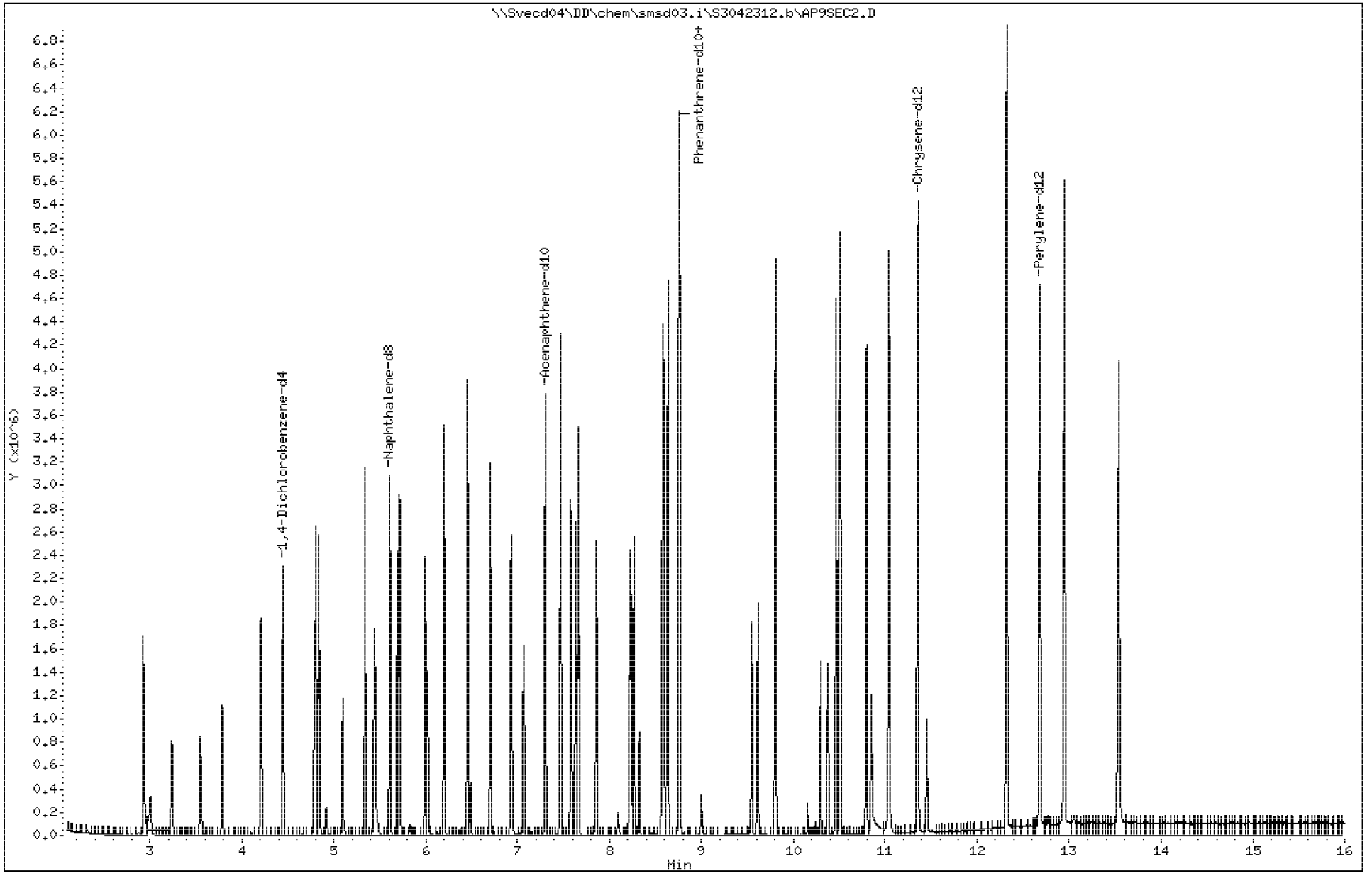
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D
Date : 23-APR-2012 20:15
Client ID: AP9SEC
Instrument: smsd03.i
Sample Info: 44612
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

1988

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

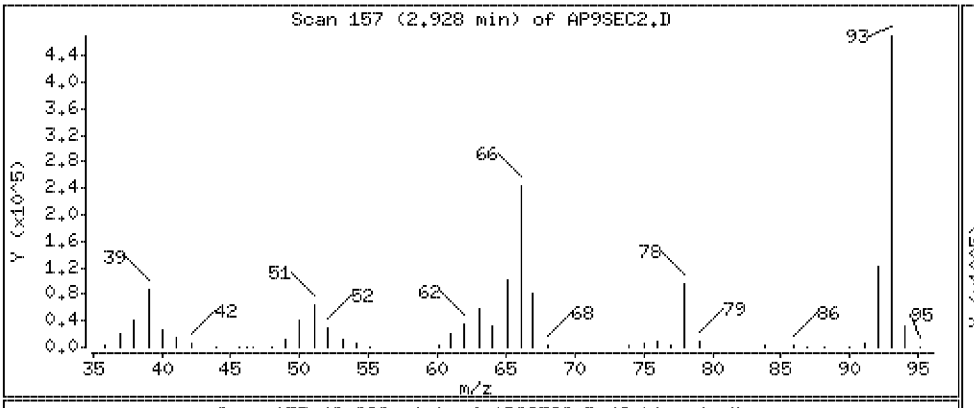
Operator: PEL

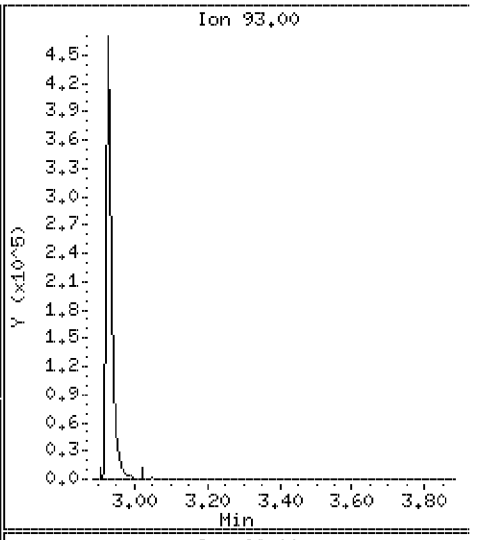
Column phase: HPMS-5

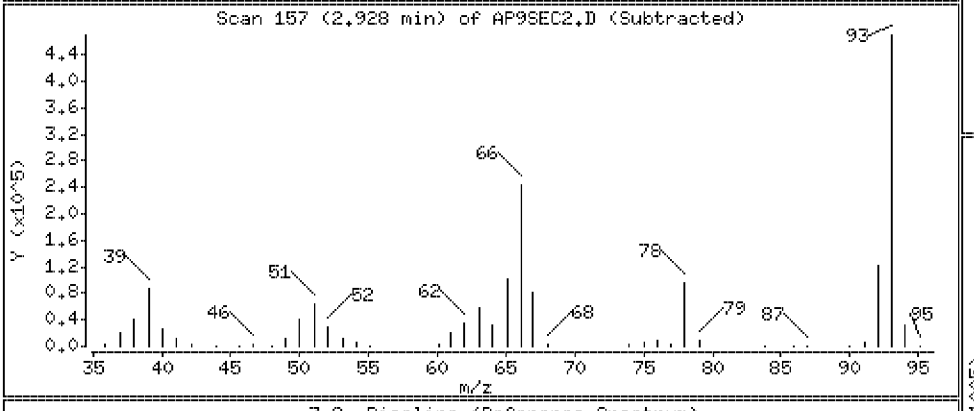
Column diameter: 0.25

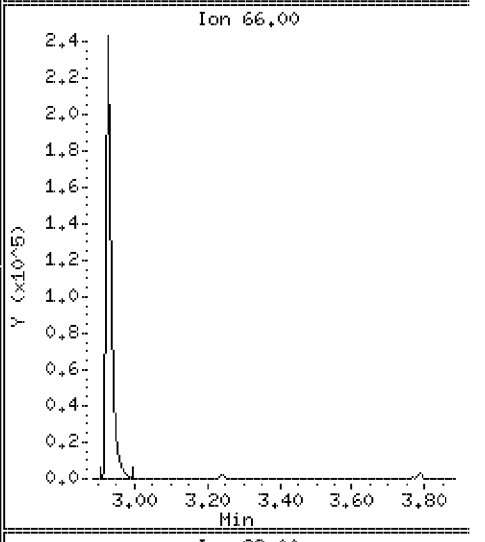
3 2- Picoline

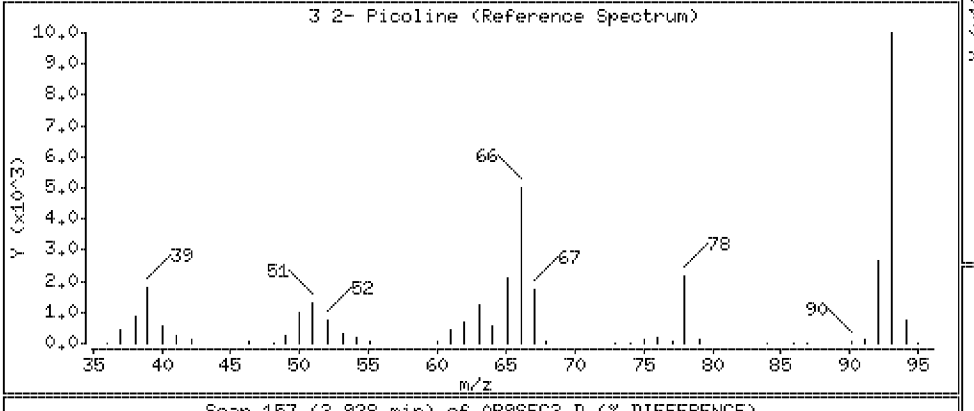
Concentration: 42.5 ug/l

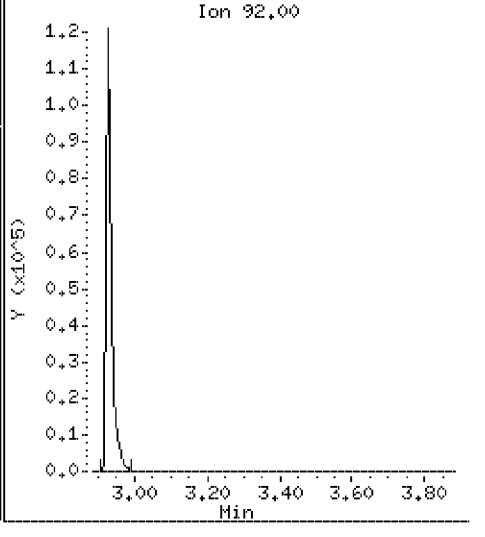


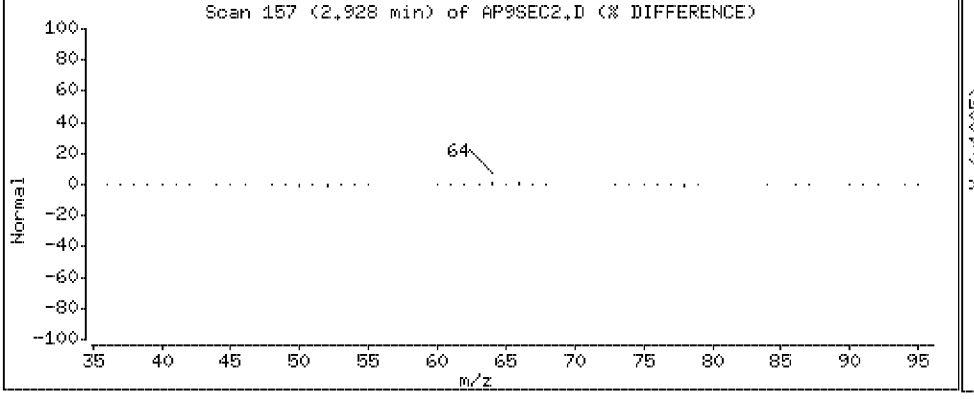












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

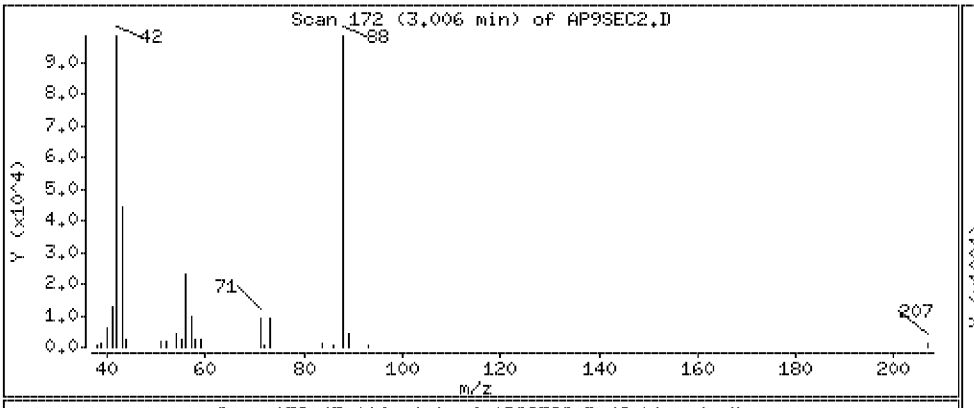
Operator: PEL

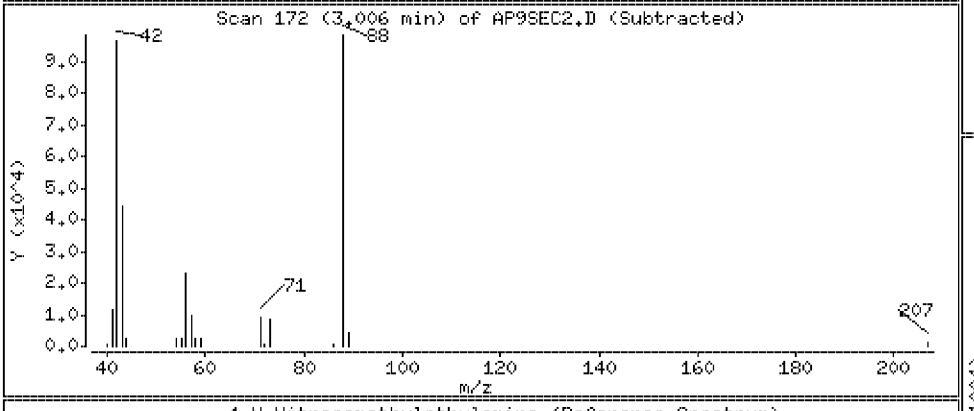
Column phase: HPMS-5

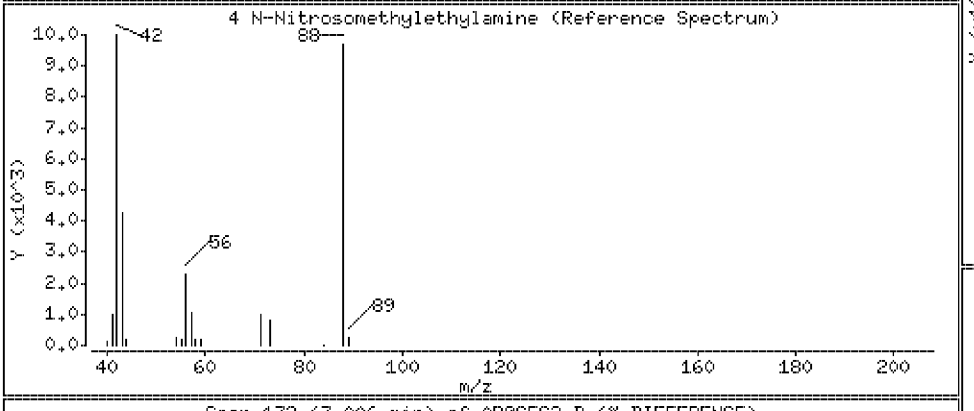
Column diameter: 0.25

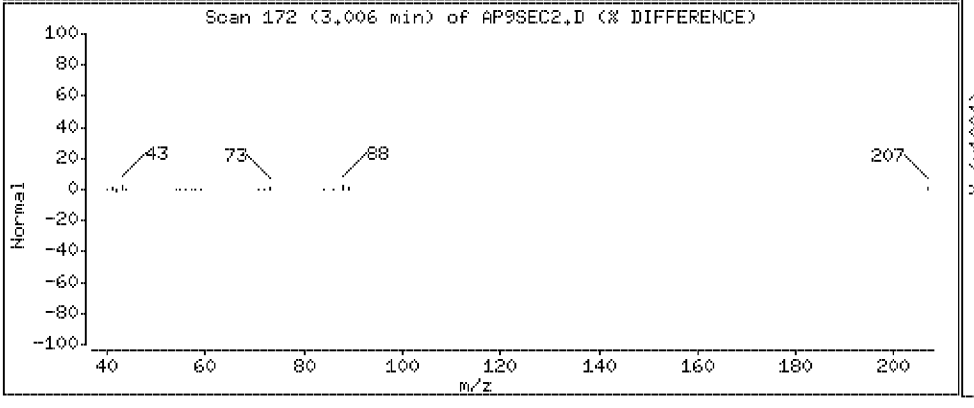
4 N-Nitrosomethylethylamine

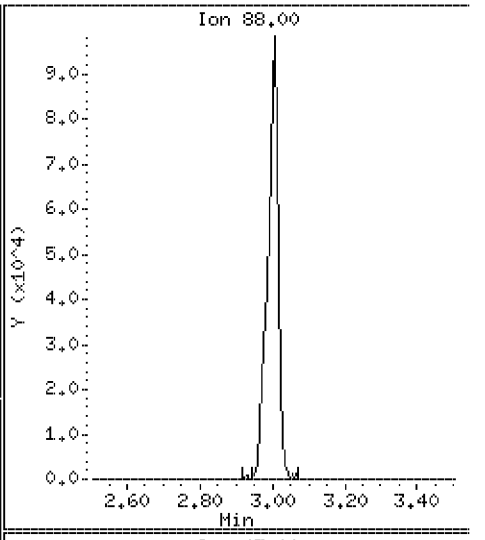
Concentration: 40.1 ug/l

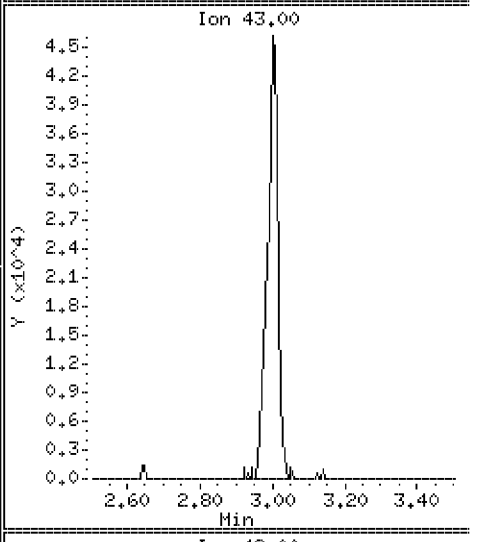


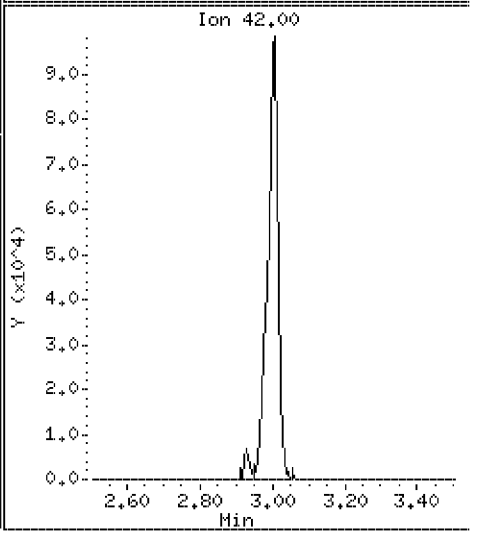












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

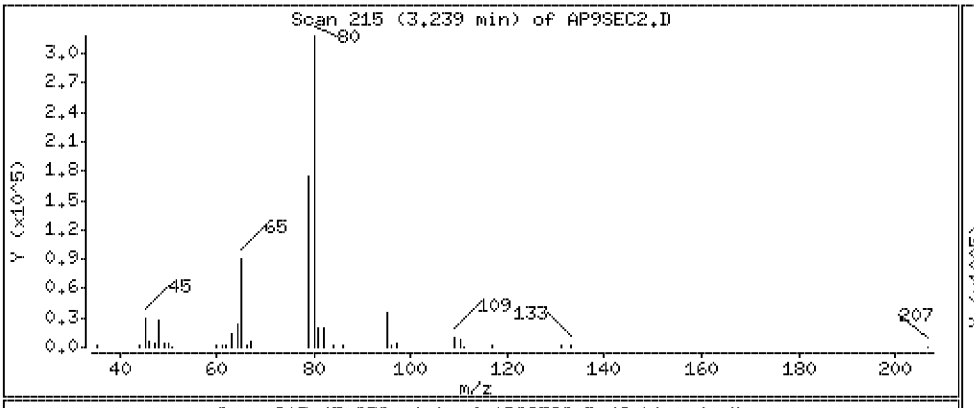
Operator: PEL

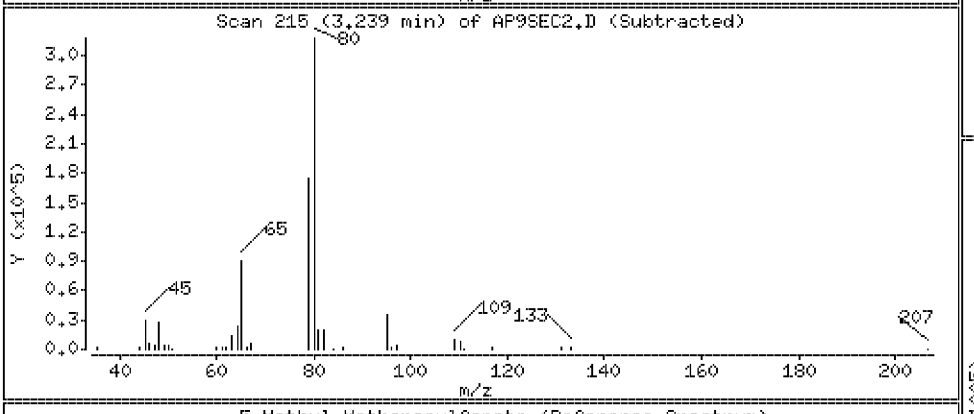
Column phase: HPMS-5

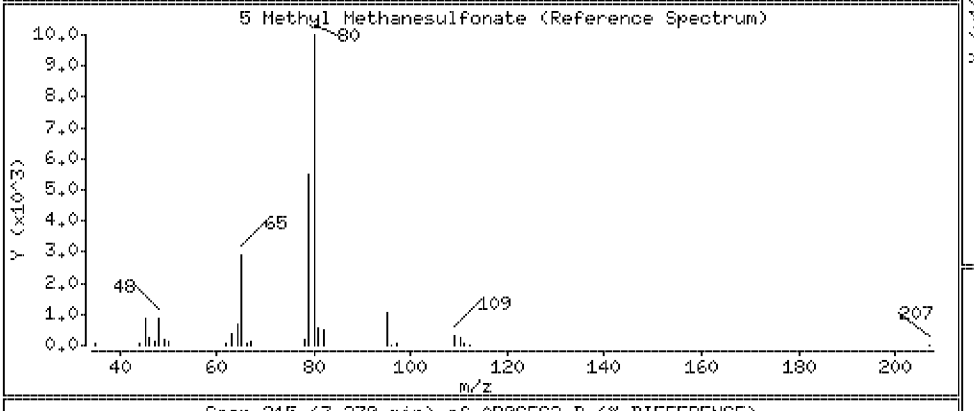
Column diameter: 0.25

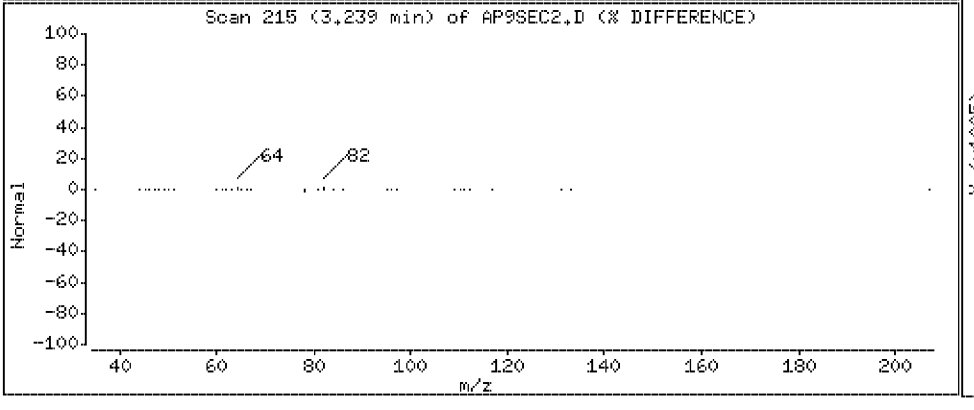
5 Methyl Methanesulfonate

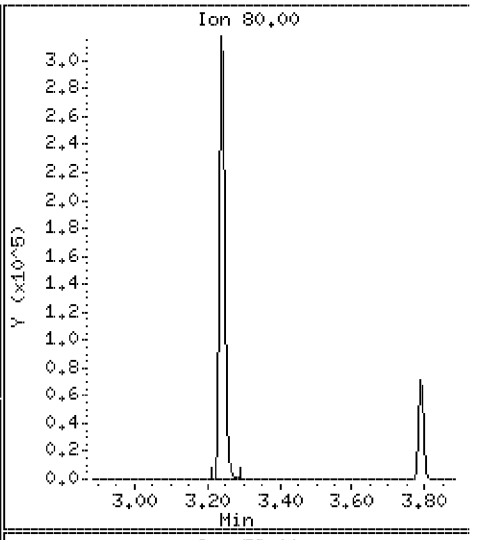
Concentration: 39.9 ug/l

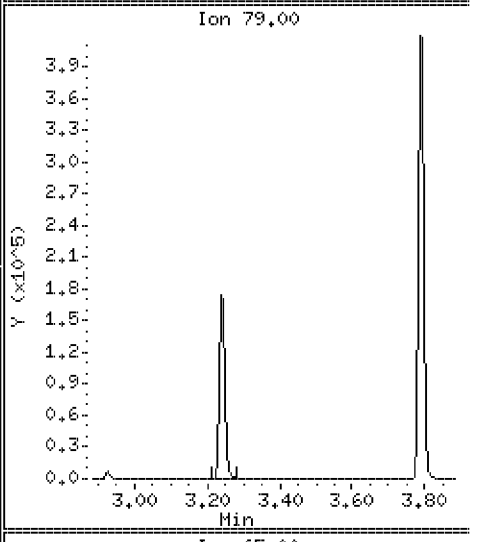


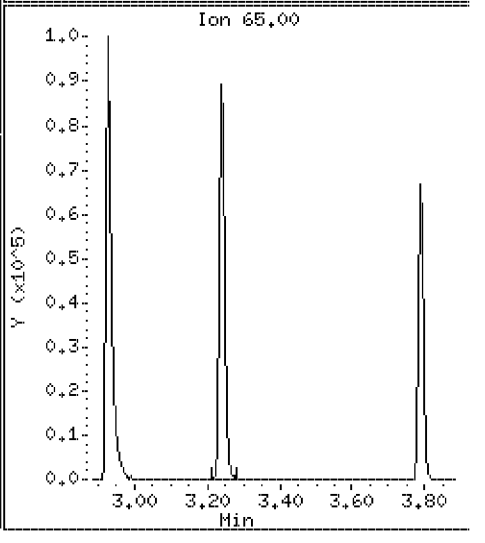












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

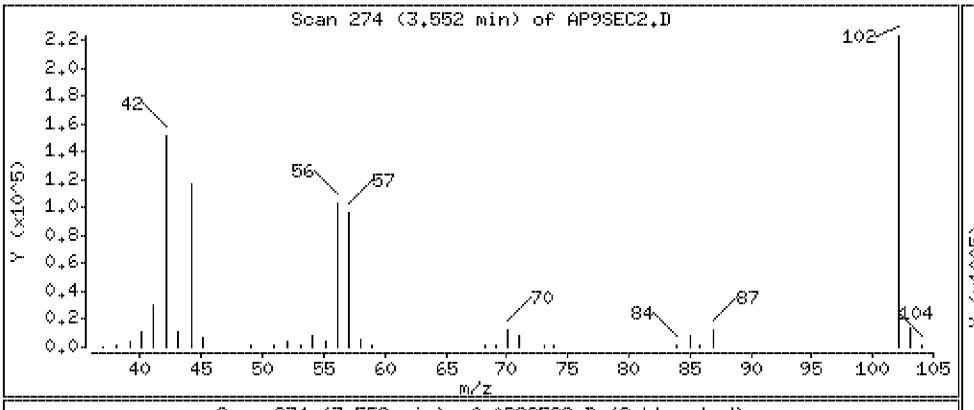
Operator: PEL

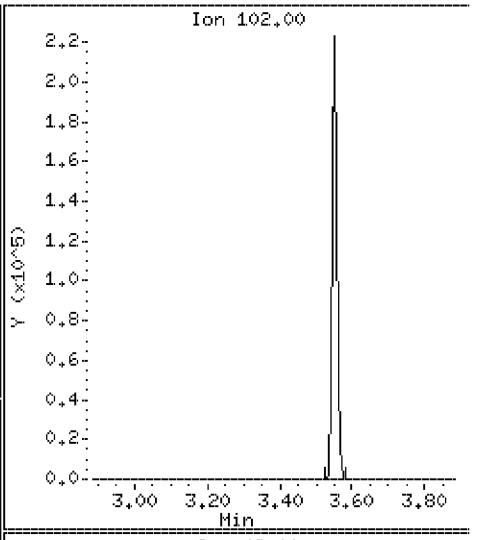
Column phase: HPMS-5

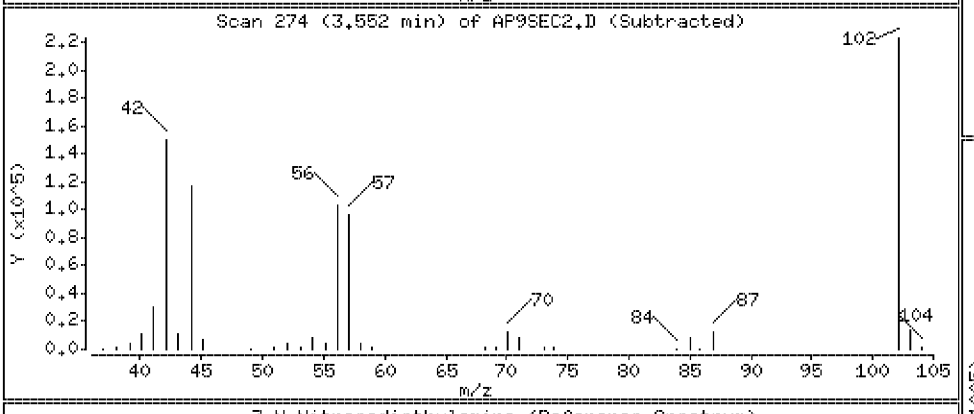
Column diameter: 0.25

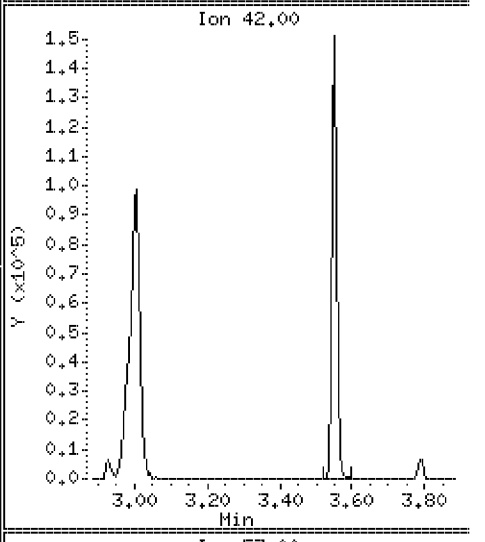
7 N-Nitrosodiethylamine

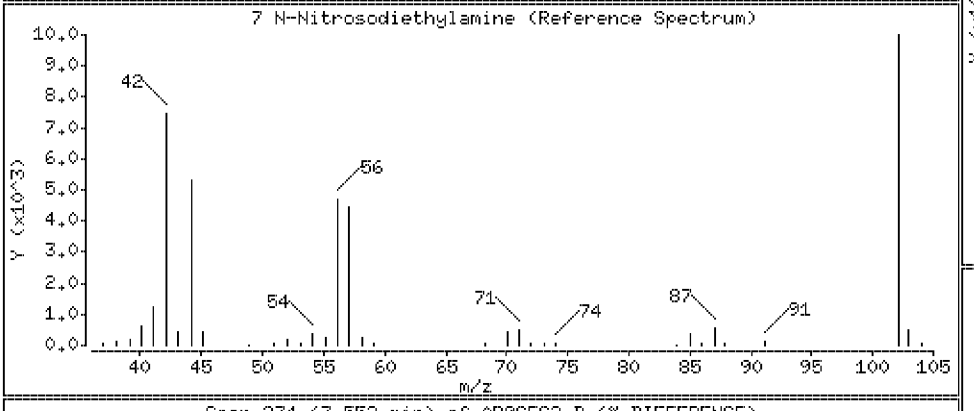
Concentration: 42.0 ug/l

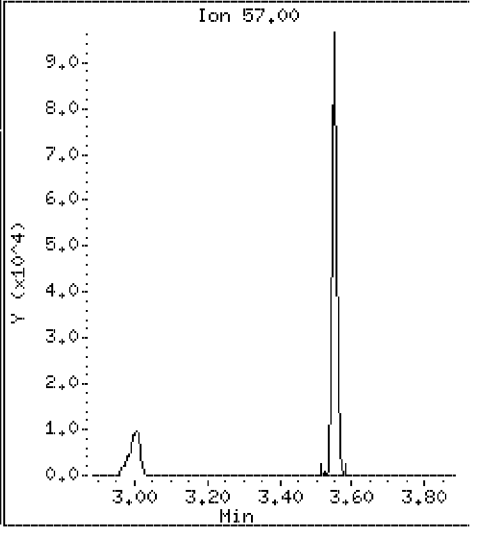


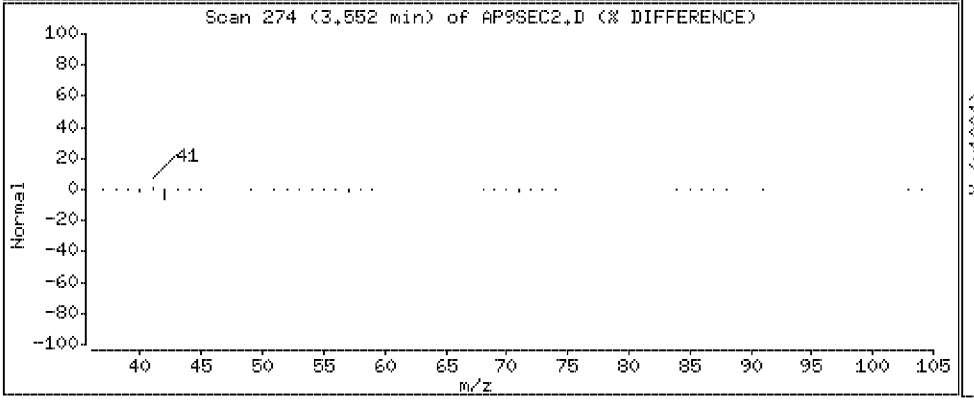












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

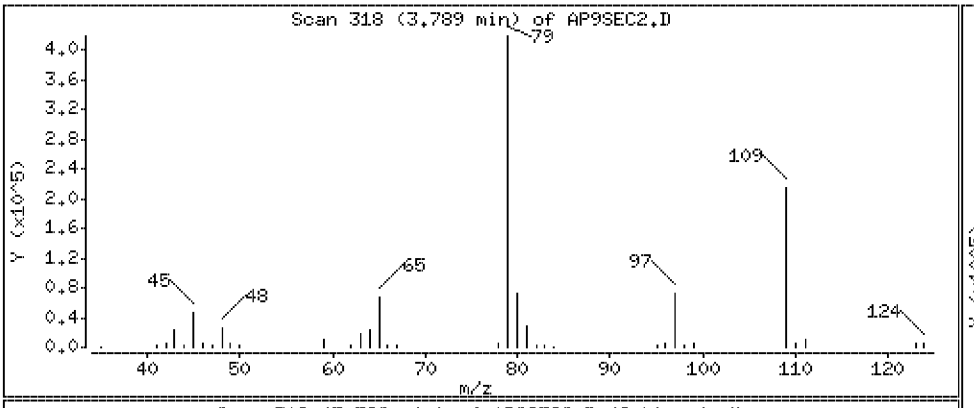
Operator: PEL

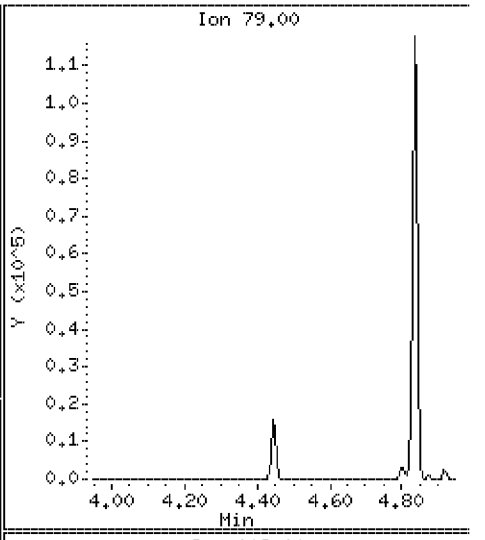
Column phase: HPMS-5

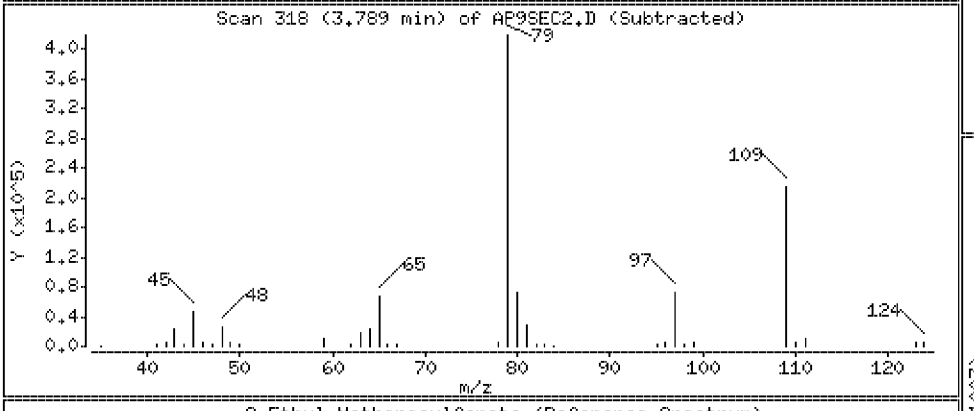
Column diameter: 0.25

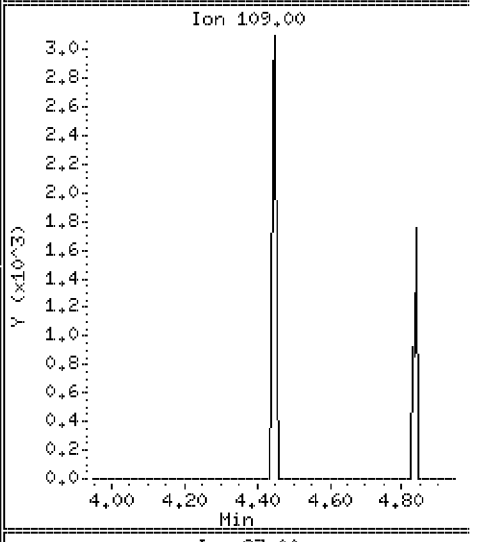
8 Ethyl Methanesulfonate

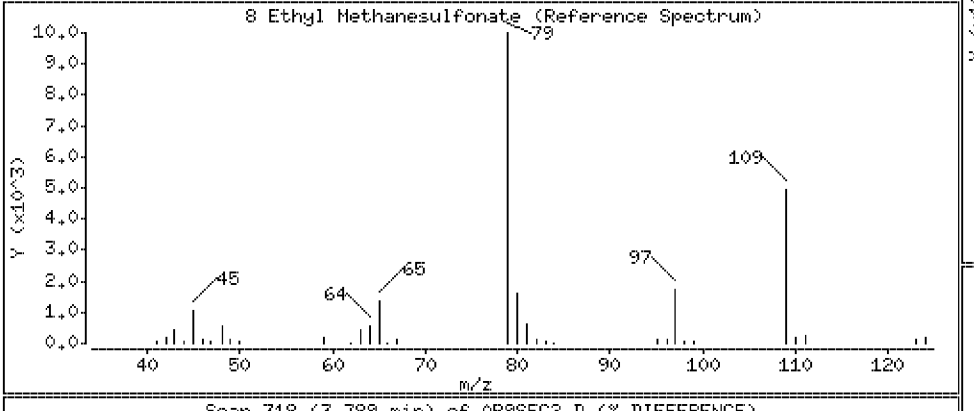
Concentration: 49.7 ug/l

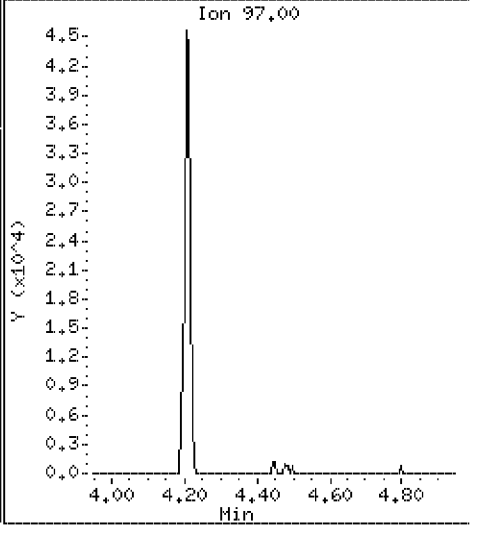


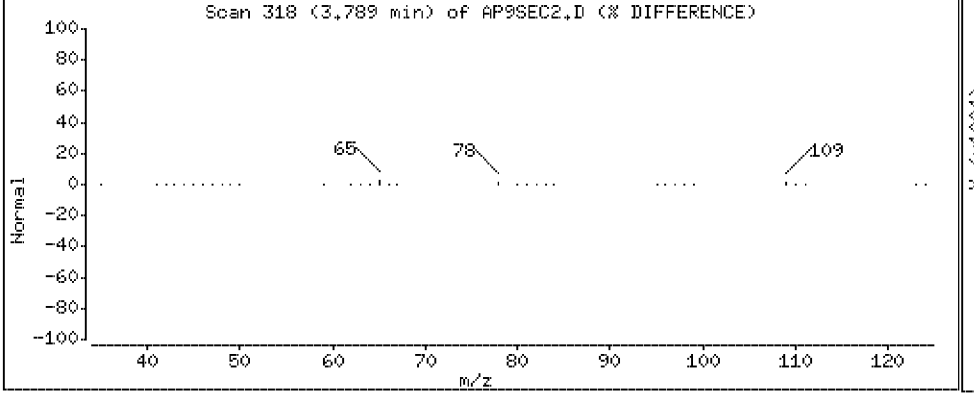












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

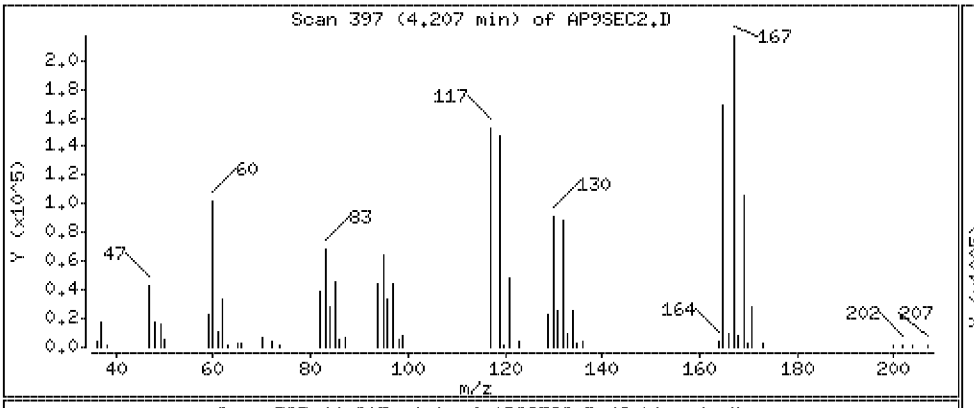
Operator: PEL

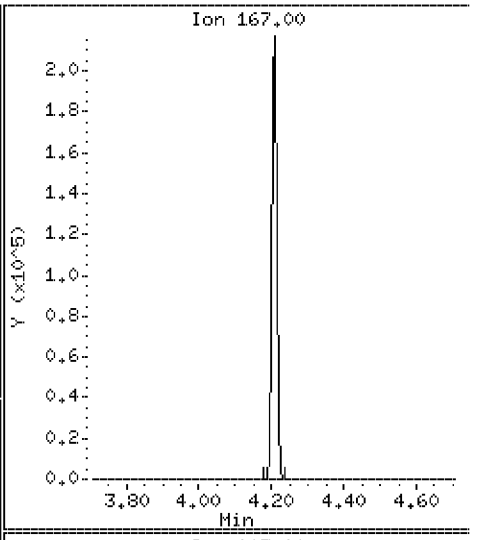
Column phase: HPMS-5

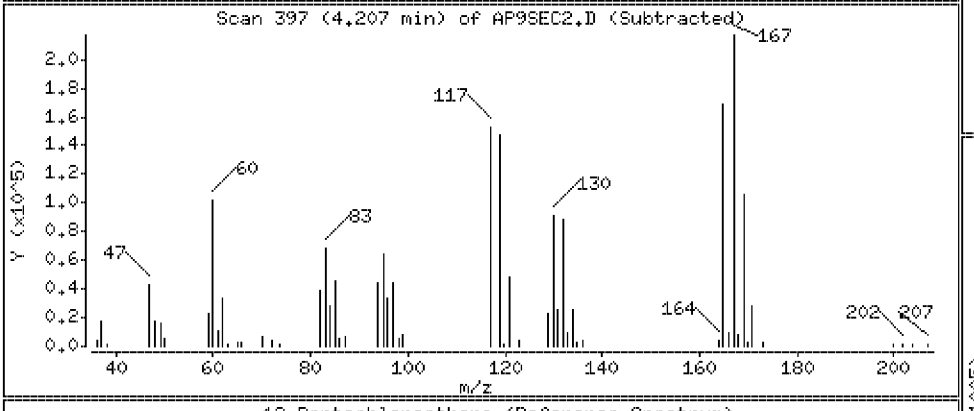
Column diameter: 0.25

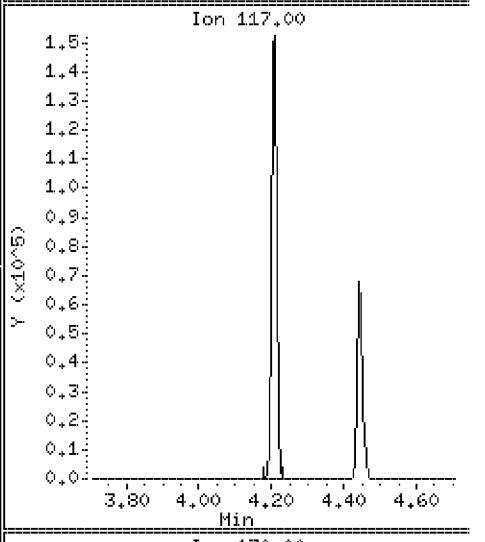
12 Pentachloroethane

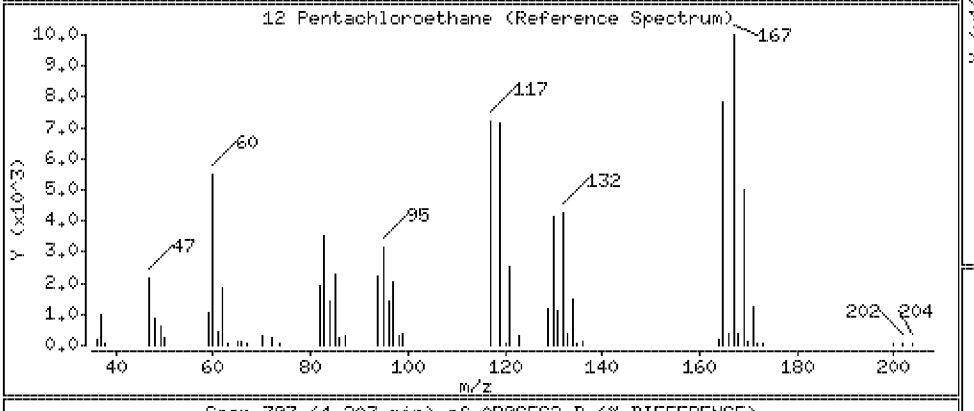
Concentration: 42.6 ug/l

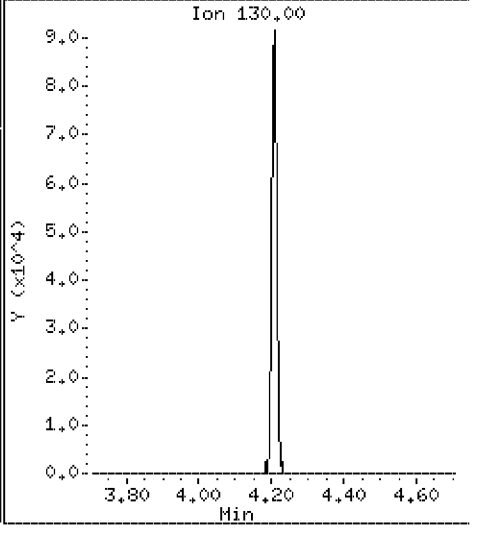


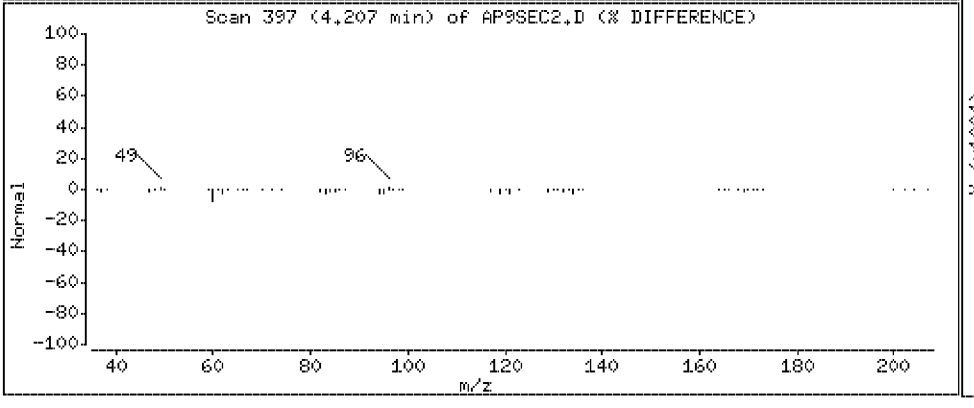












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

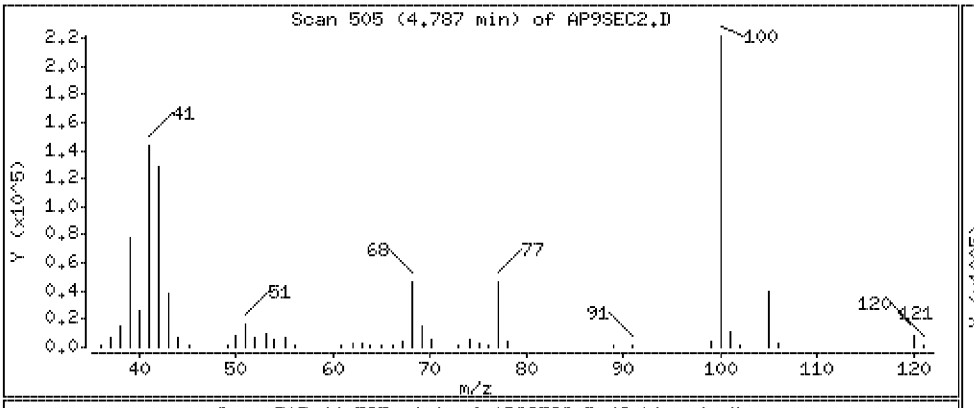
Operator: PEL

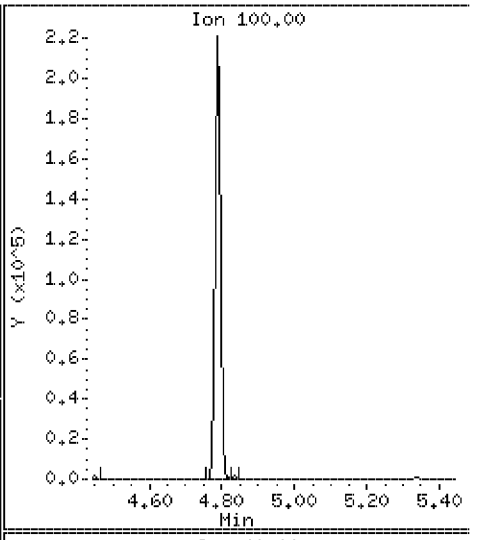
Column phase: HPMS-5

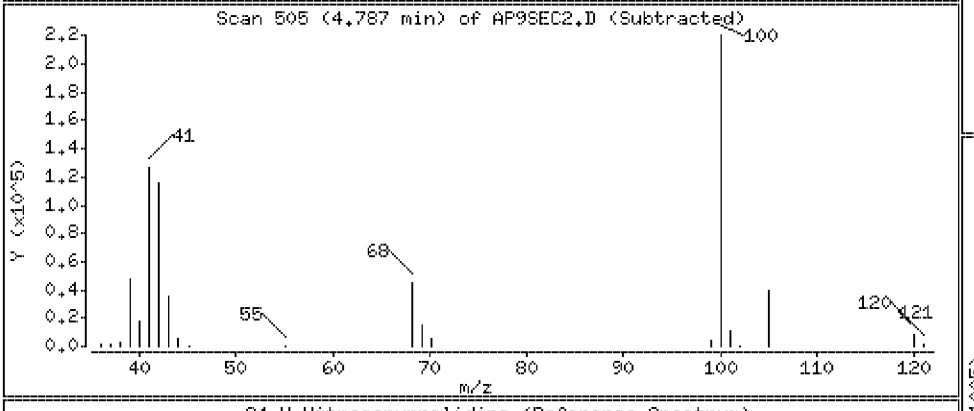
Column diameter: 0.25

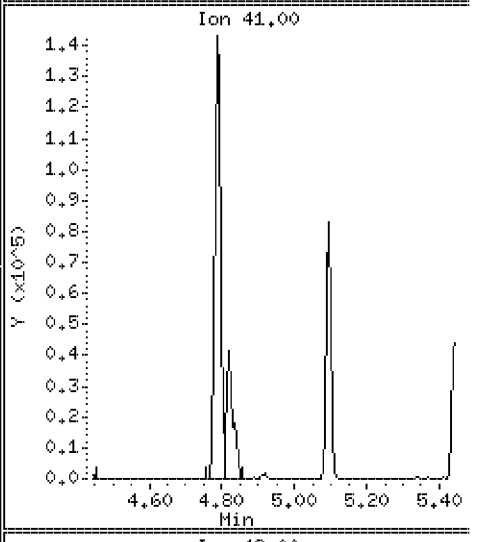
24 N-Nitrosopyrrolidine

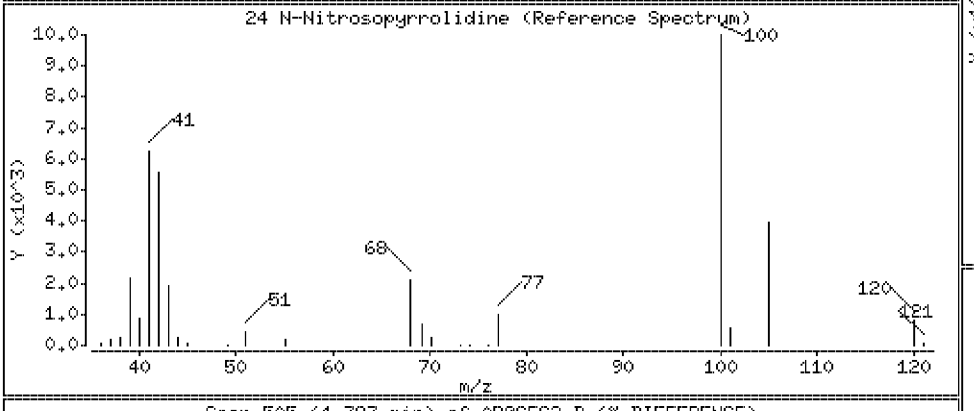
Concentration: 45.2 ug/l

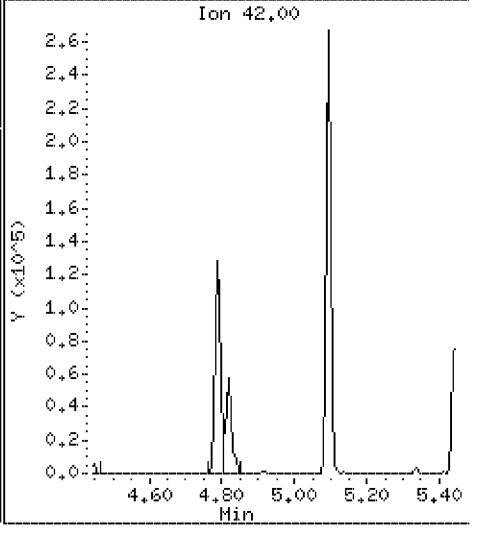


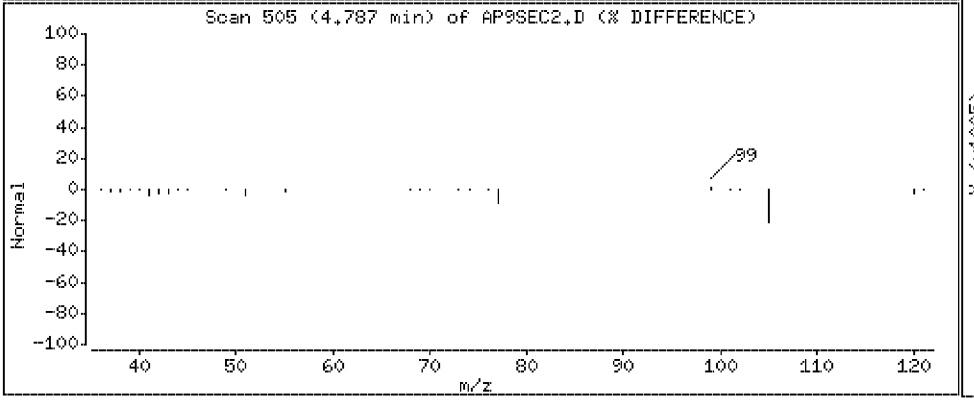












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

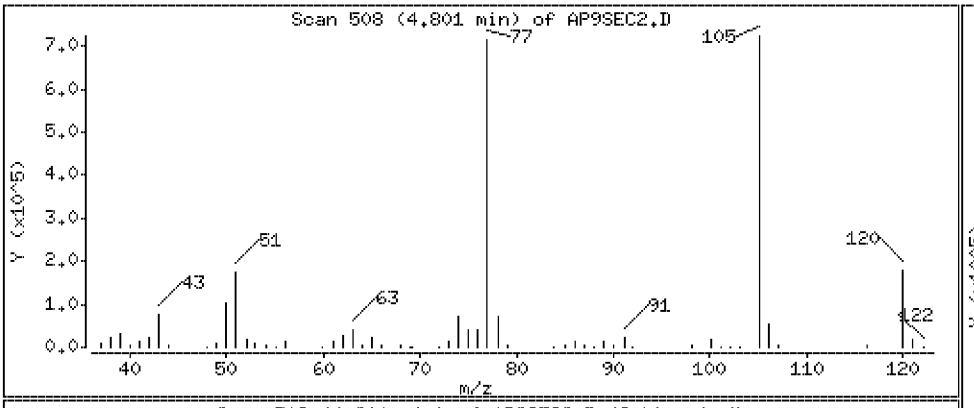
Operator: PEL

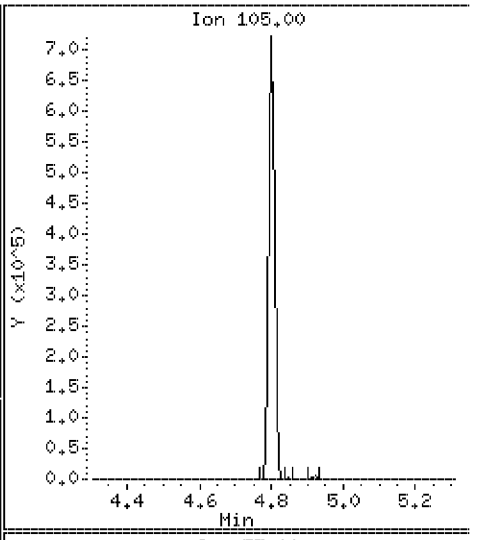
Column phase: HPMS-5

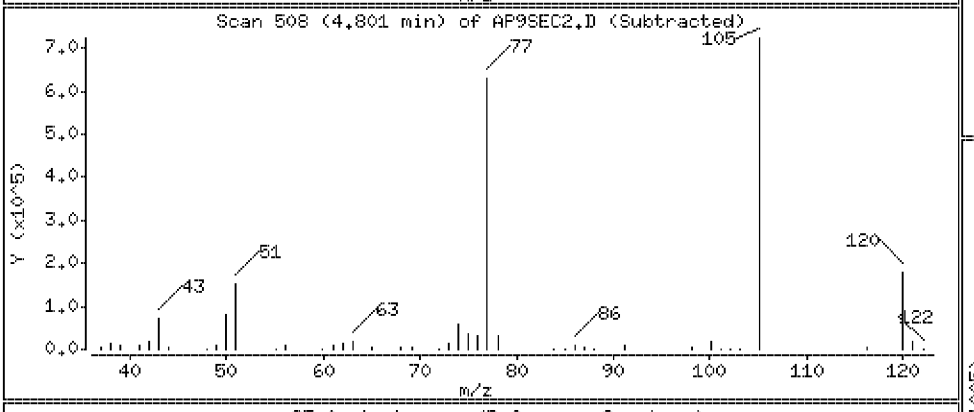
Column diameter: 0.25

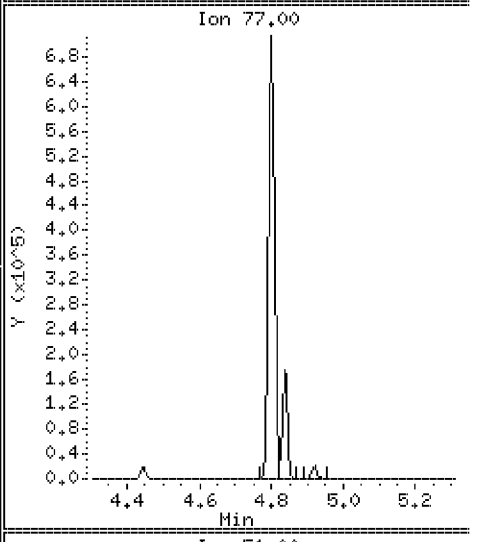
25 Acetophenone

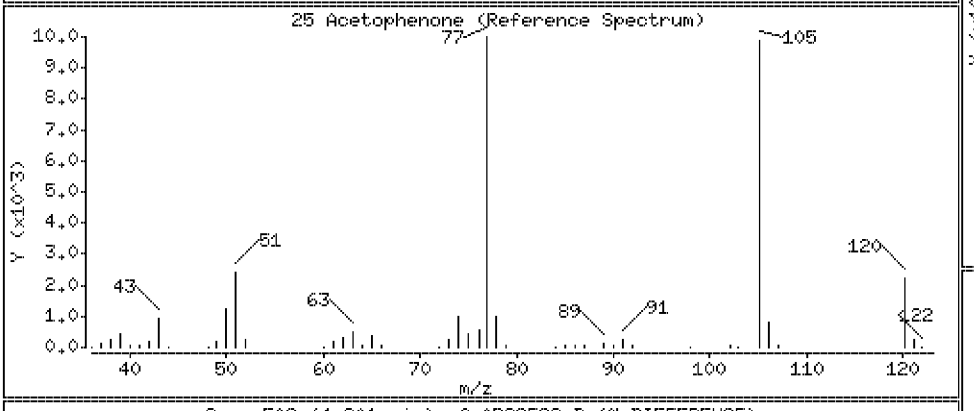
Concentration: 43.8 ug/l

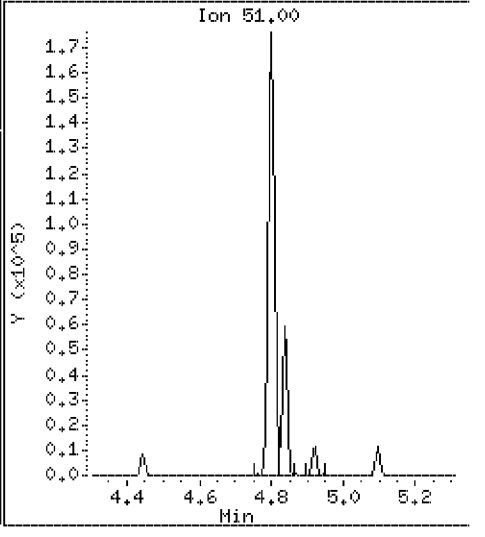


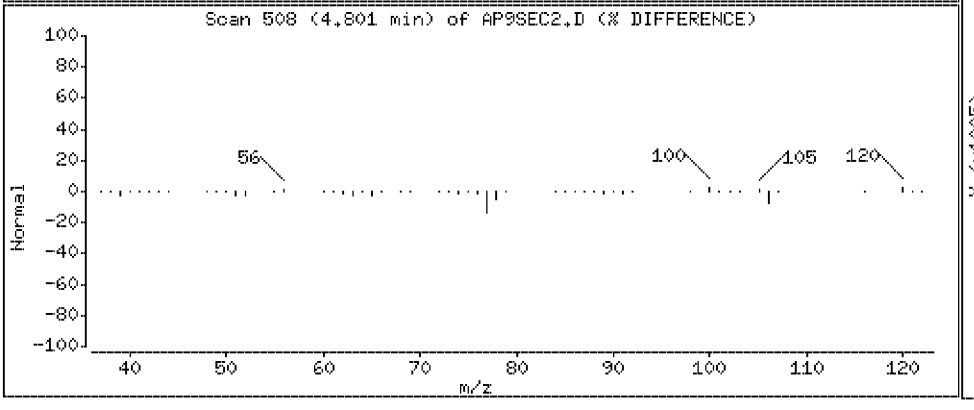












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

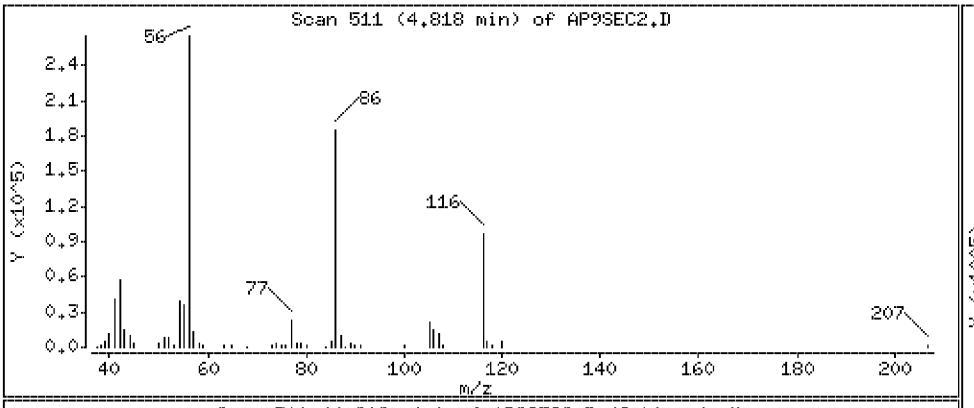
Operator: PEL

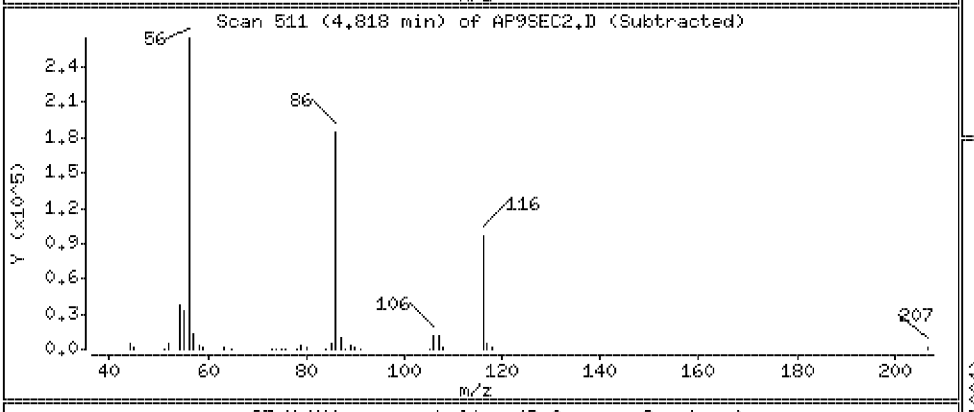
Column phase: HPMS-5

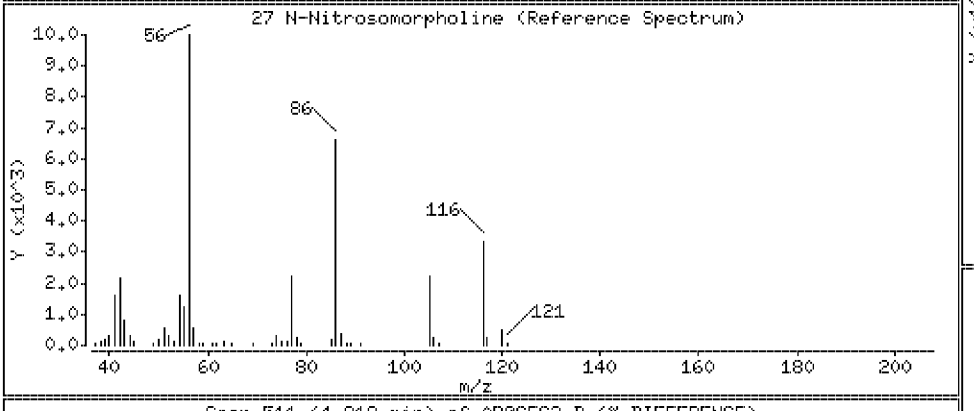
Column diameter: 0.25

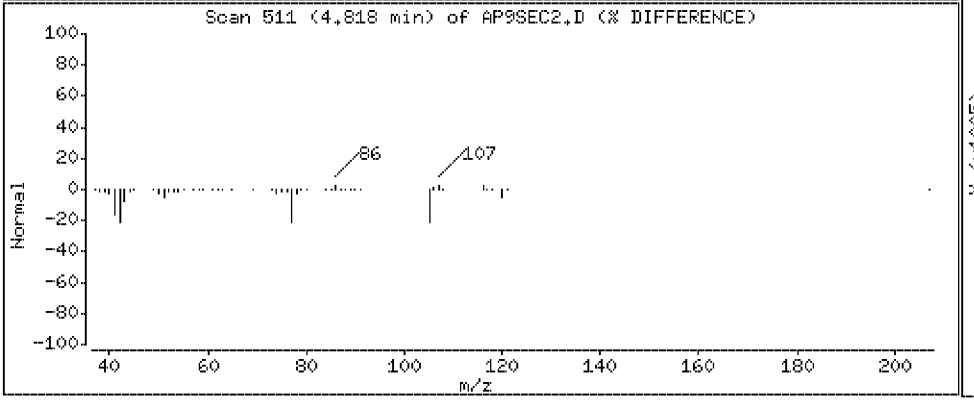
27 N-Nitrosomorpholine

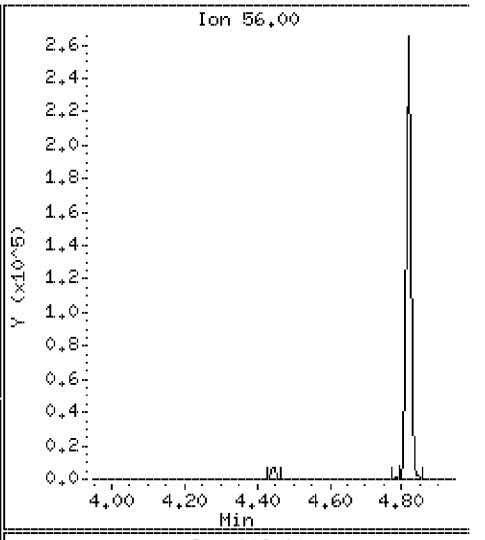
Concentration: 45.8 ug/l

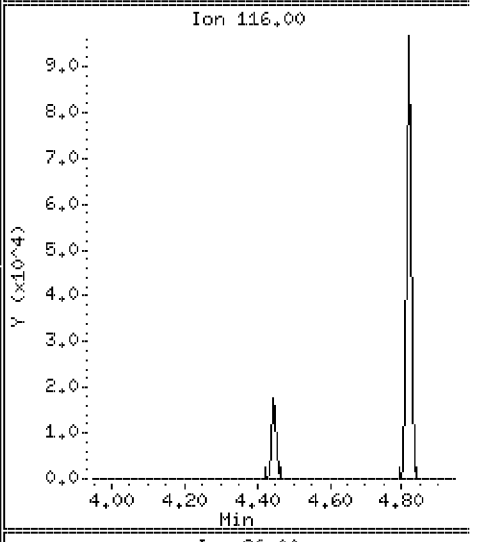


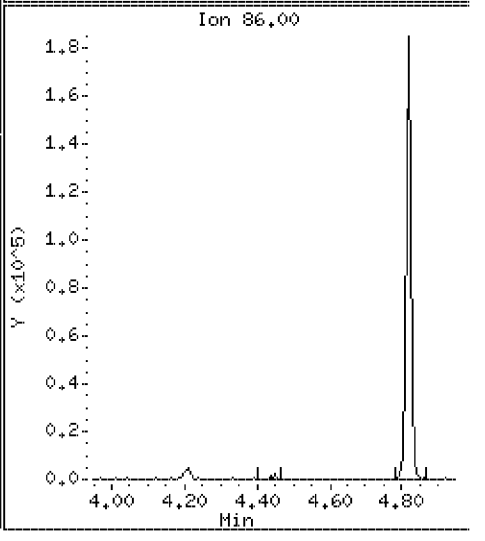












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

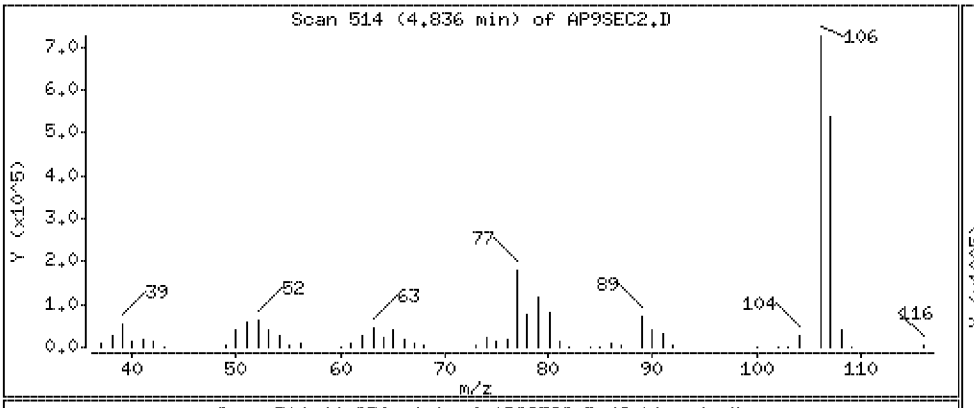
Operator: PEL

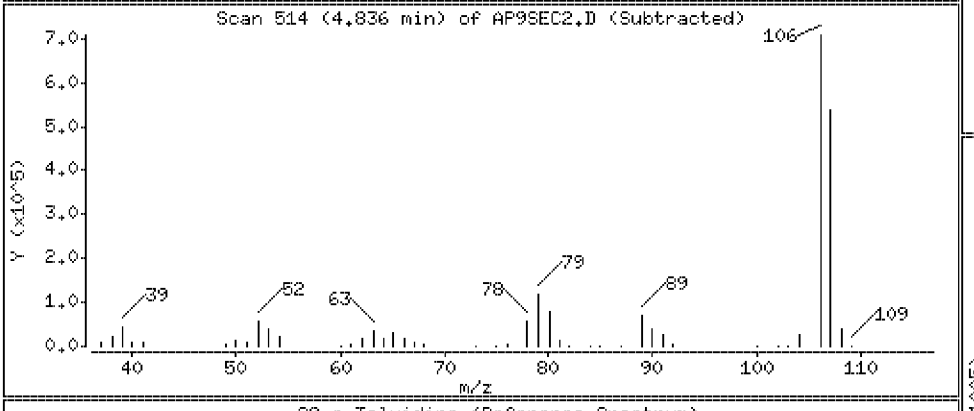
Column phase: HPMS-5

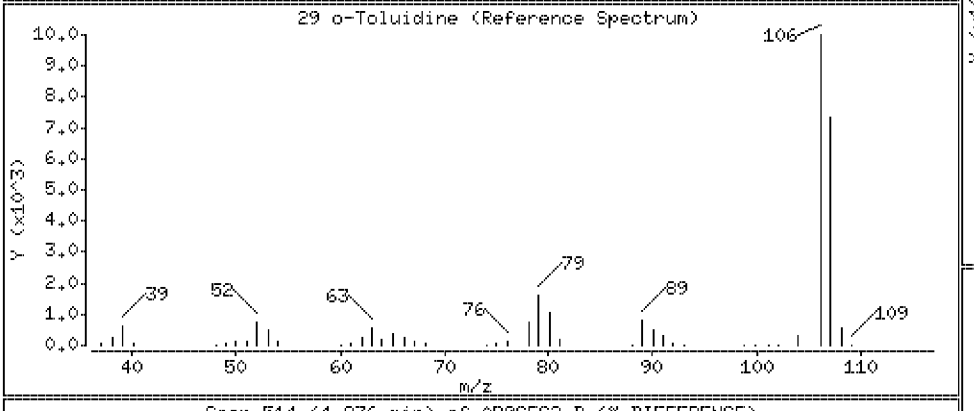
Column diameter: 0.25

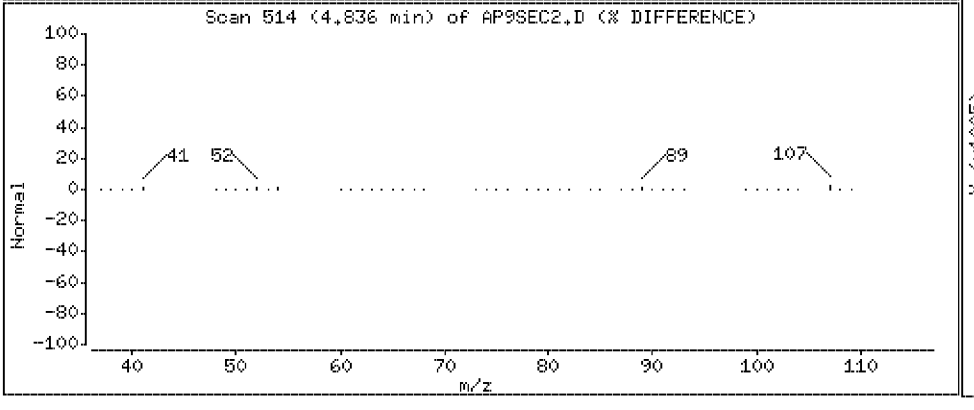
29 o-Toluidine

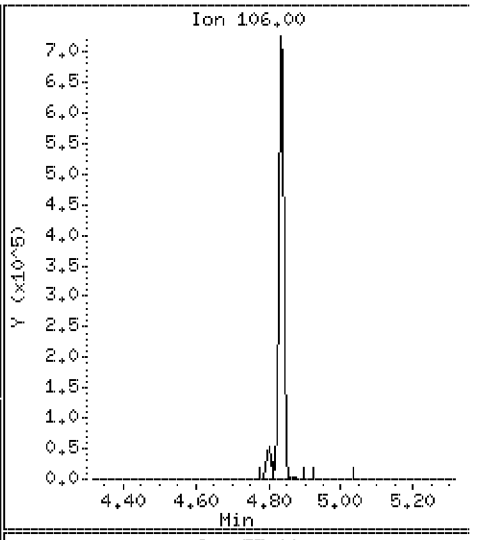
Concentration: 41.1 ug/l

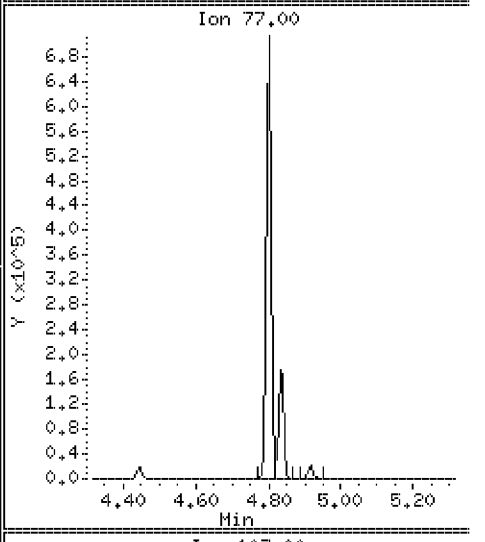


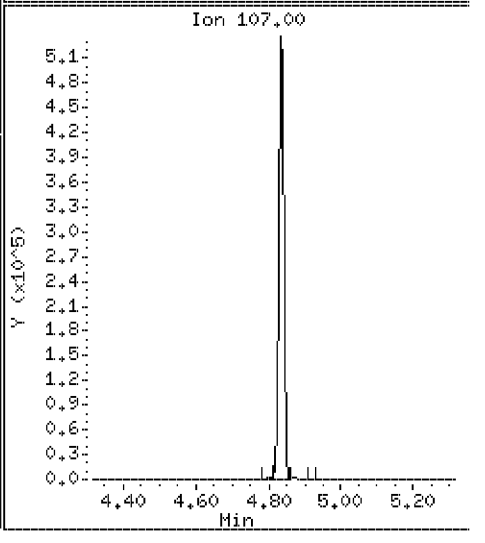












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

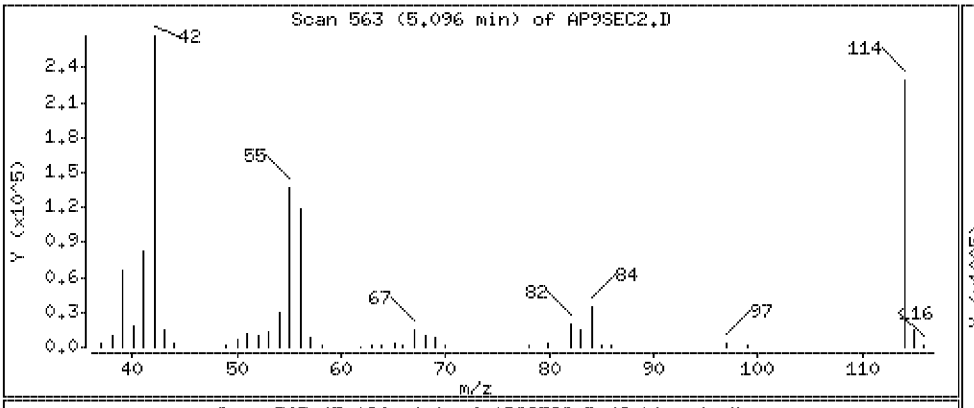
Operator: PEL

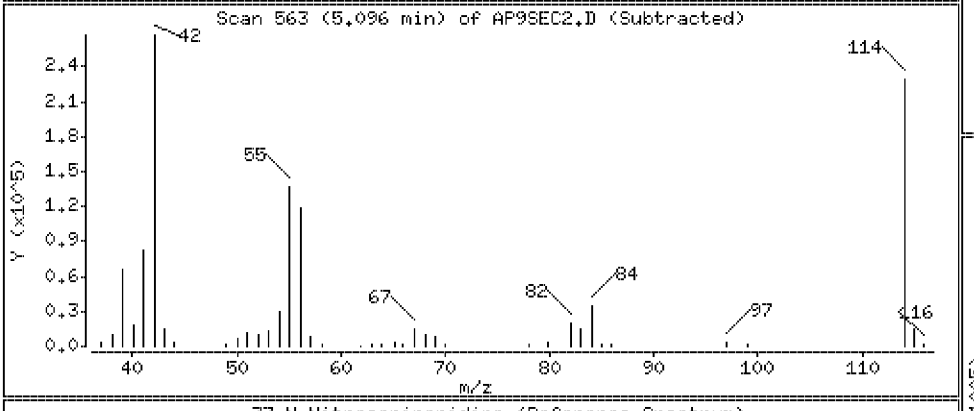
Column phase: HPMS-5

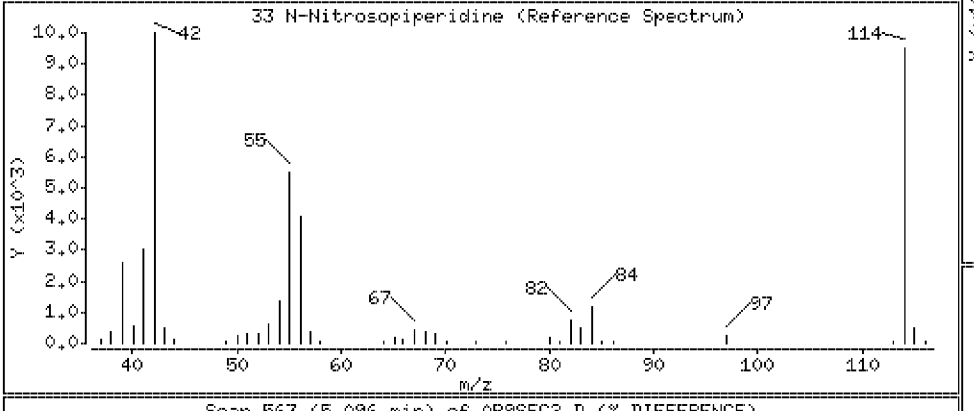
Column diameter: 0.25

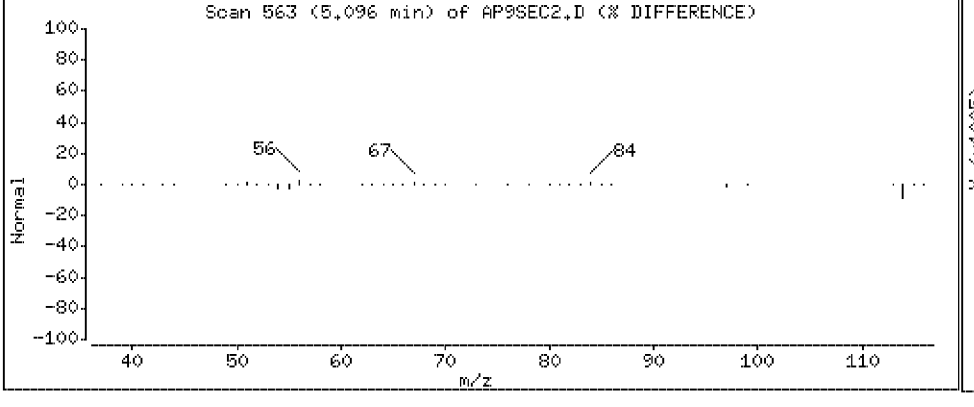
33 N-Nitrosopiperidine

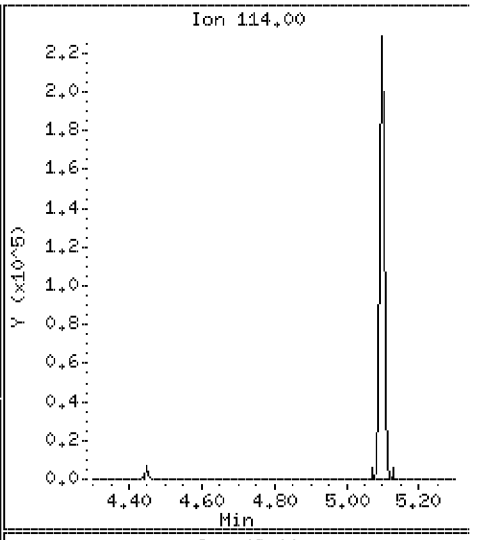
Concentration: 44.2 ug/l

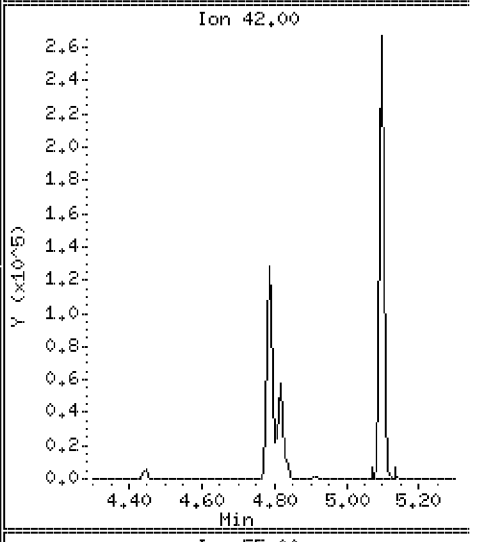


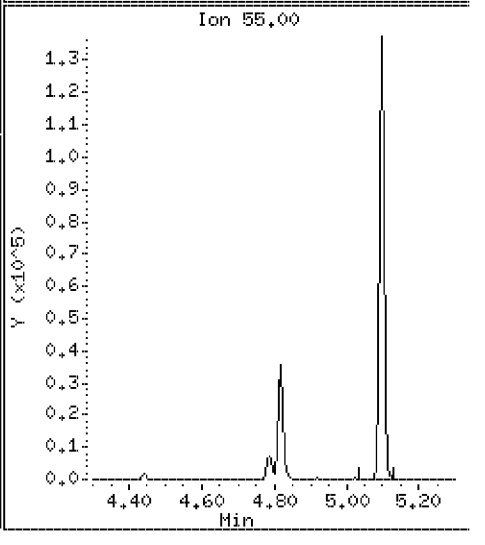












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Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

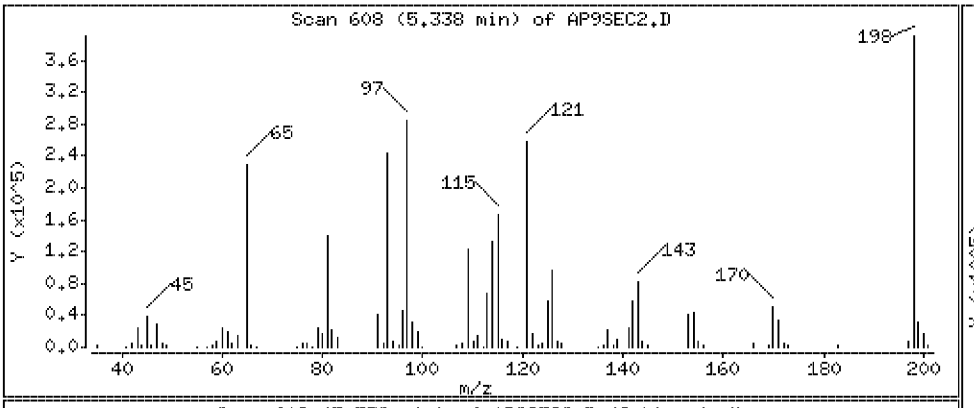
Operator: PEL

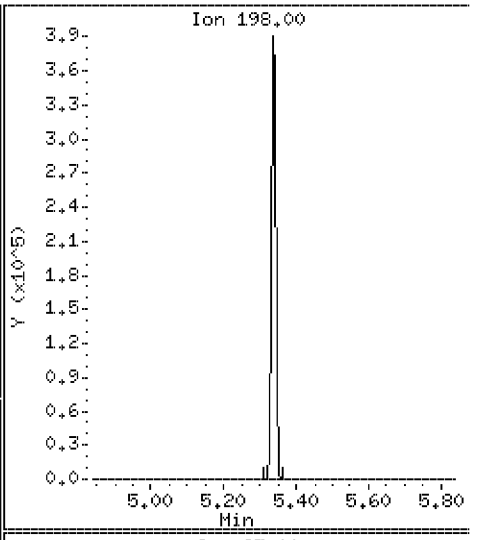
Column phase: HPMS-5

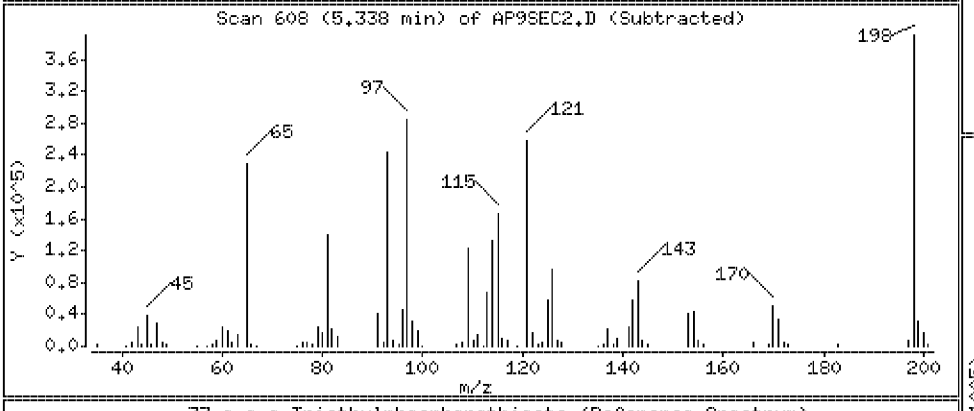
Column diameter: 0.25

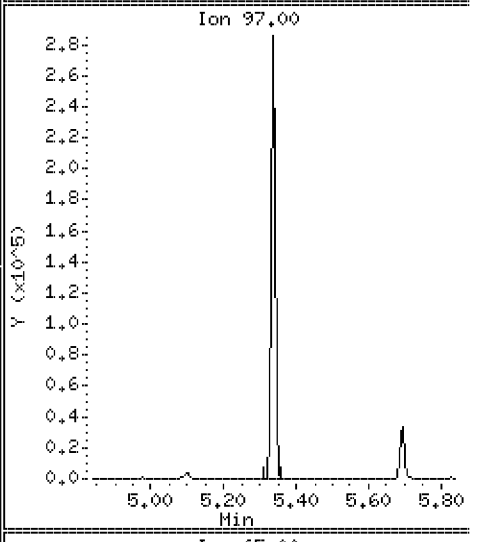
37 o,o,o-Triethylphosphorothioate

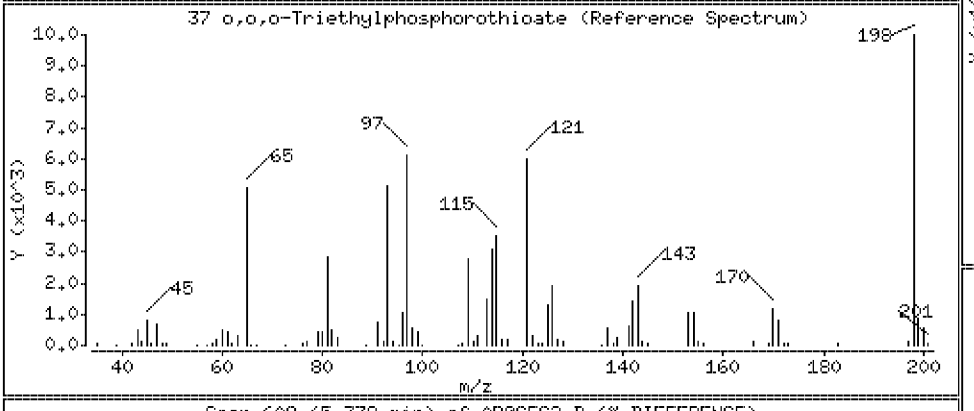
Concentration: 43.2 ug/l

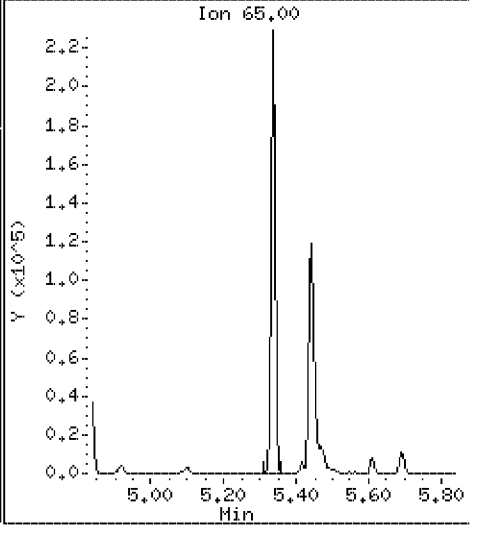


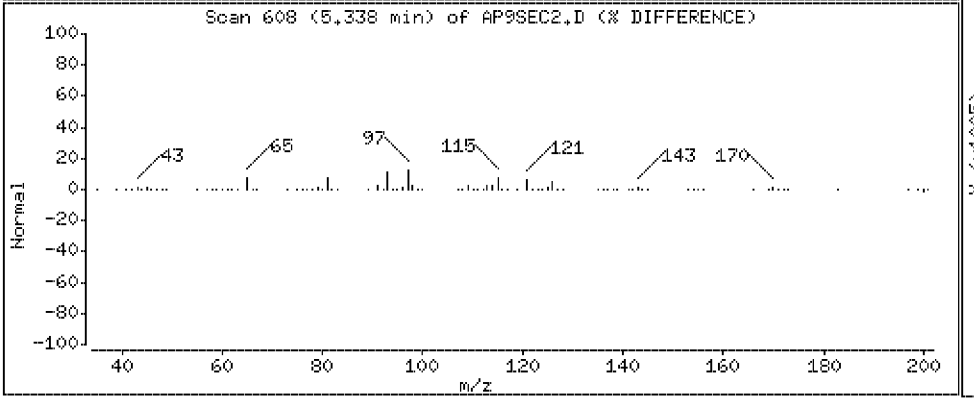












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

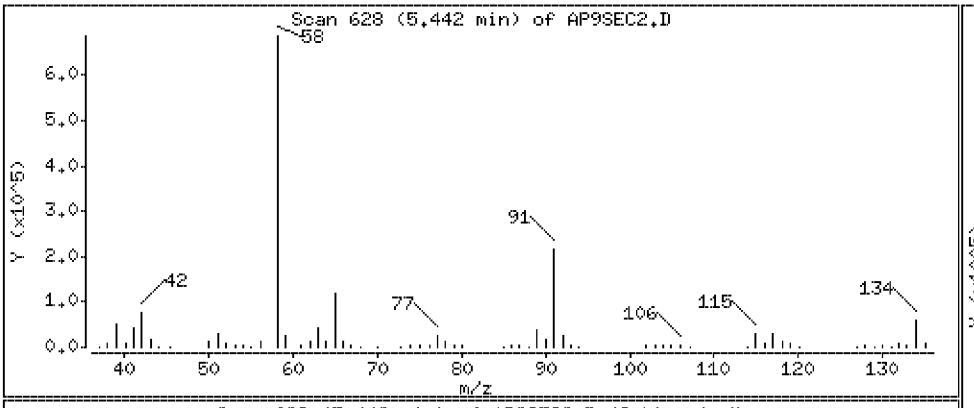
Operator: PEL

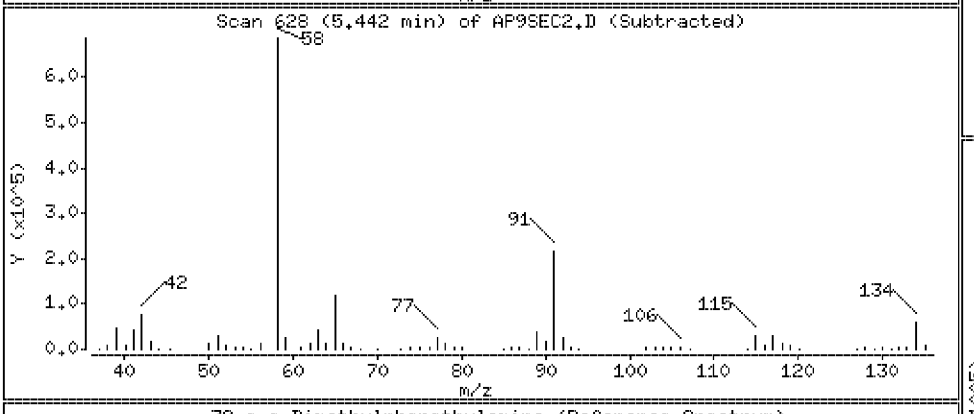
Column phase: HPMS-5

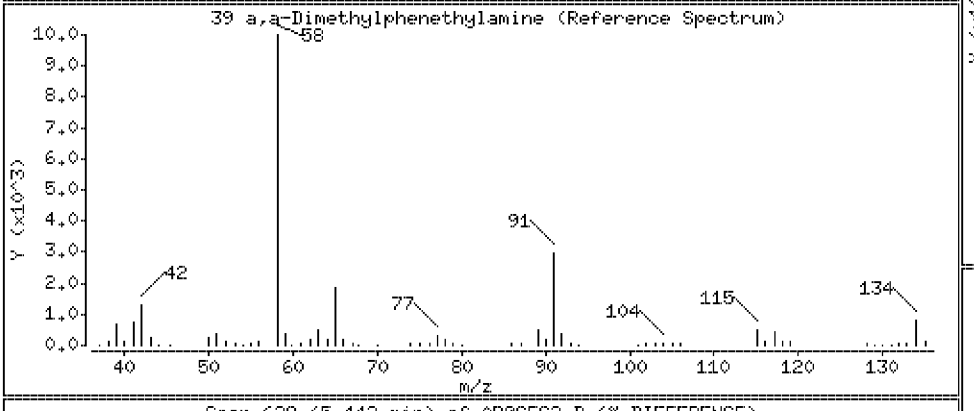
Column diameter: 0.25

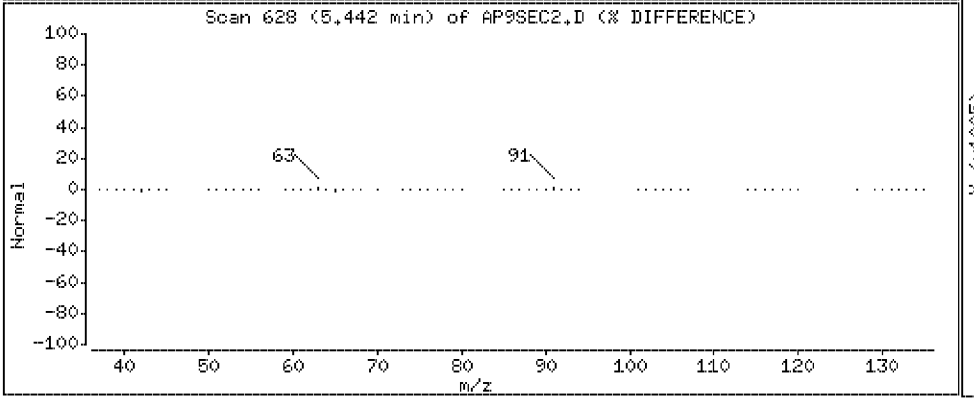
39 a,a-Dimethylphenethylamine

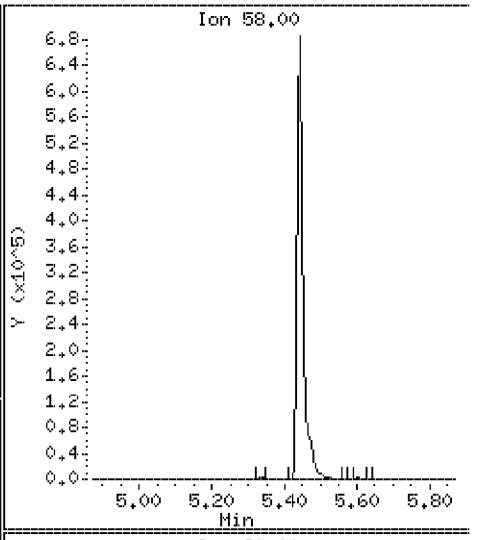
Concentration: 49.4 ug/l

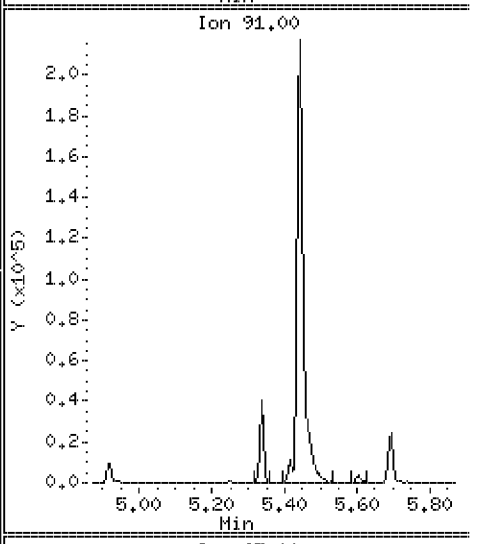


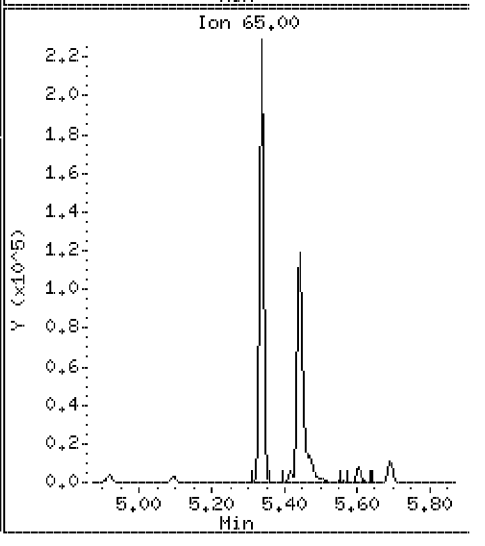












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

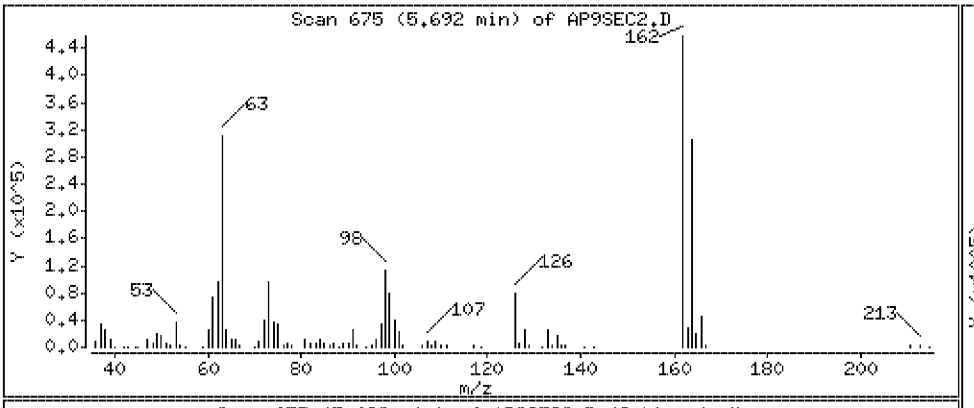
Operator: PEL

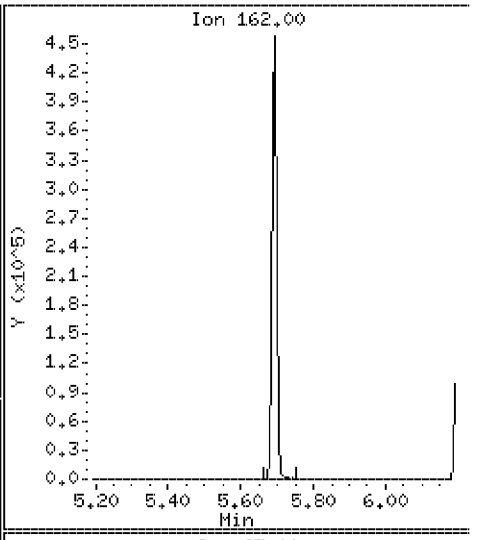
Column phase: HPMS-5

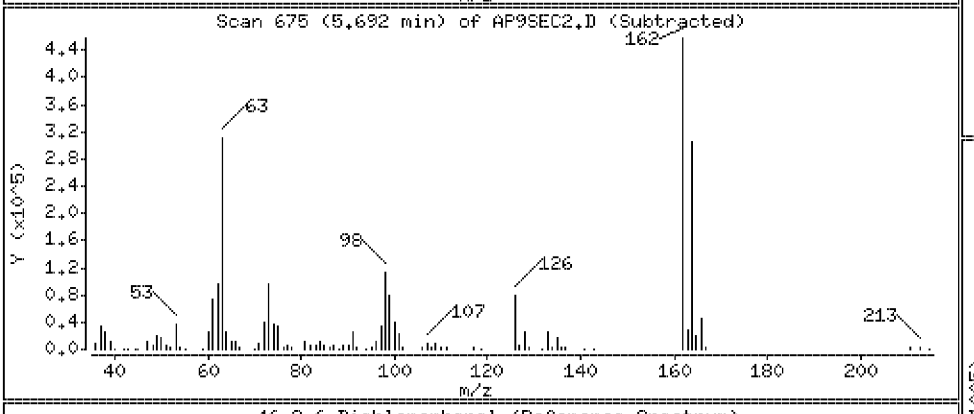
Column diameter: 0.25

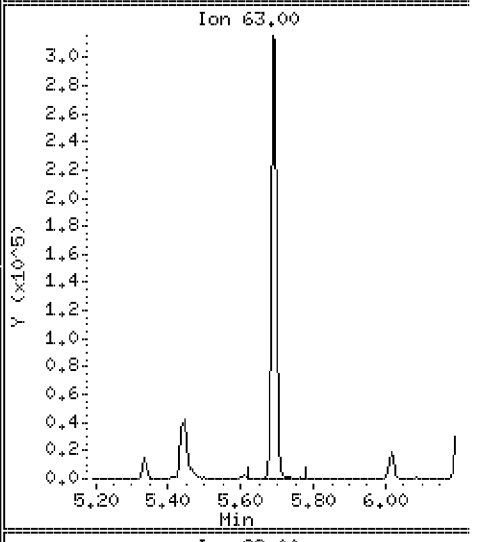
46 2,6-Dichlorophenol

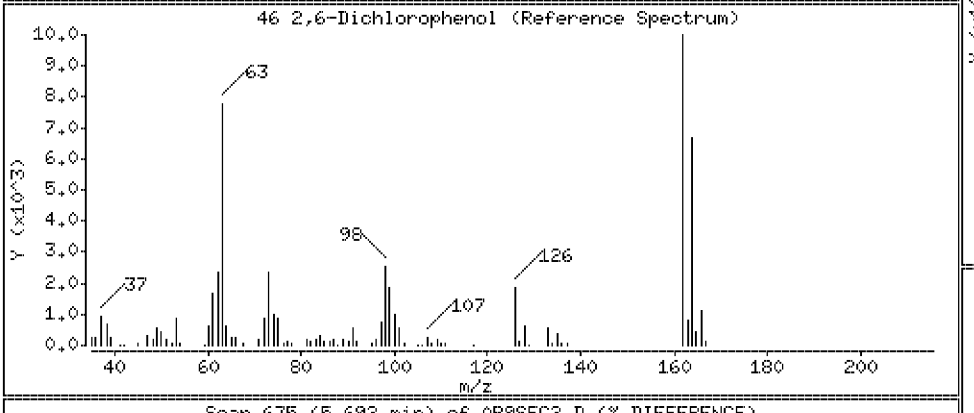
Concentration: 45.5 ug/l

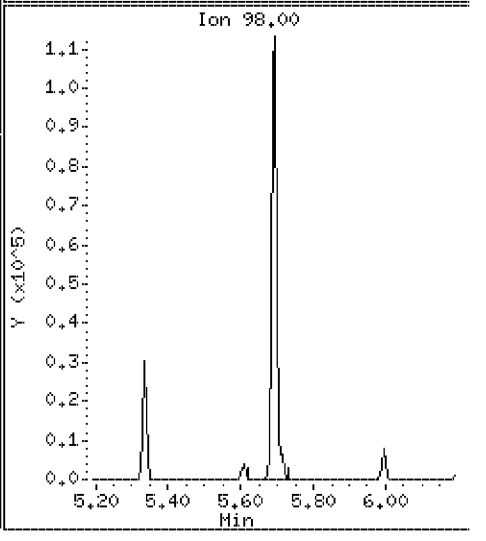


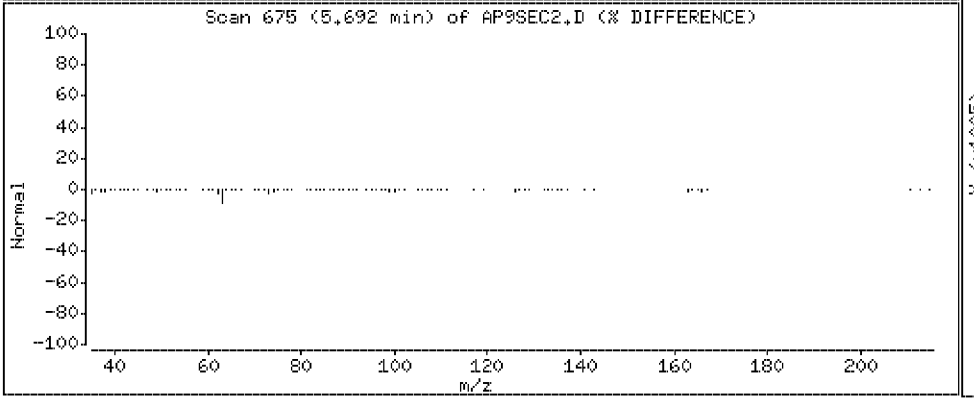












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

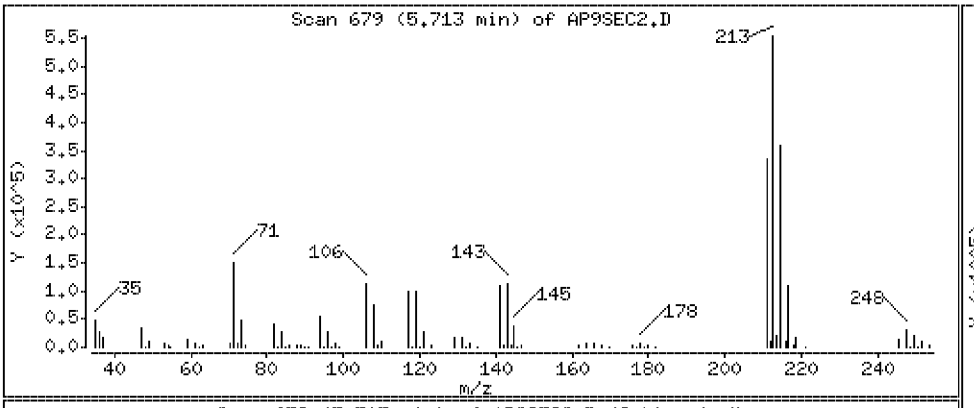
Operator: PEL

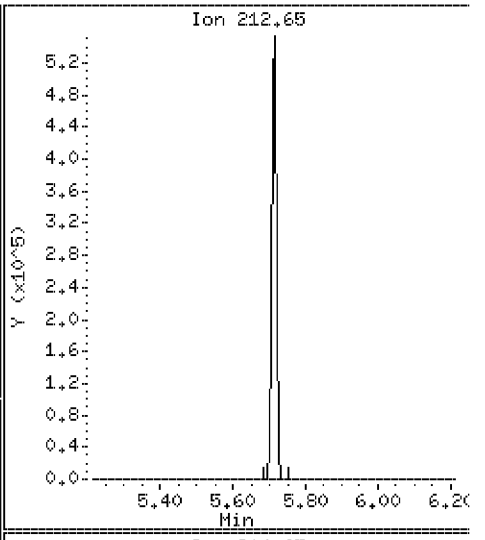
Column phase: HPMS-5

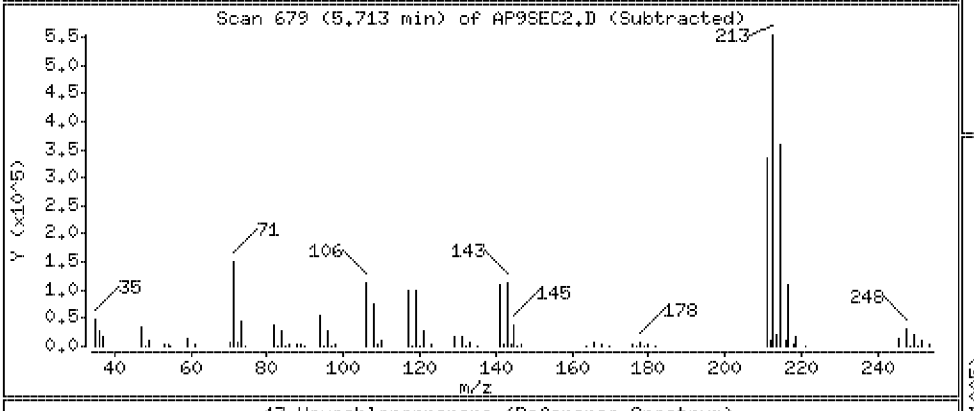
Column diameter: 0.25

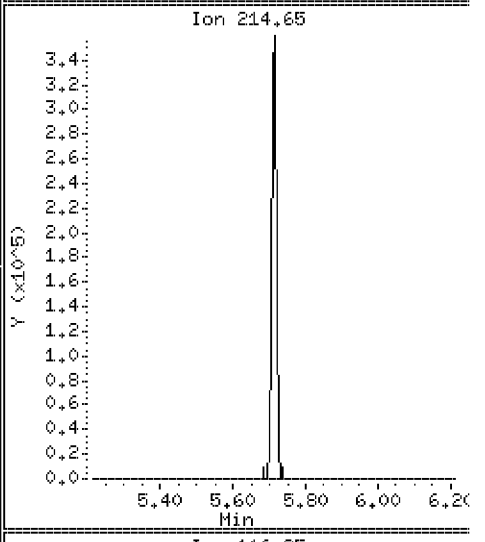
47 Hexachloropropene

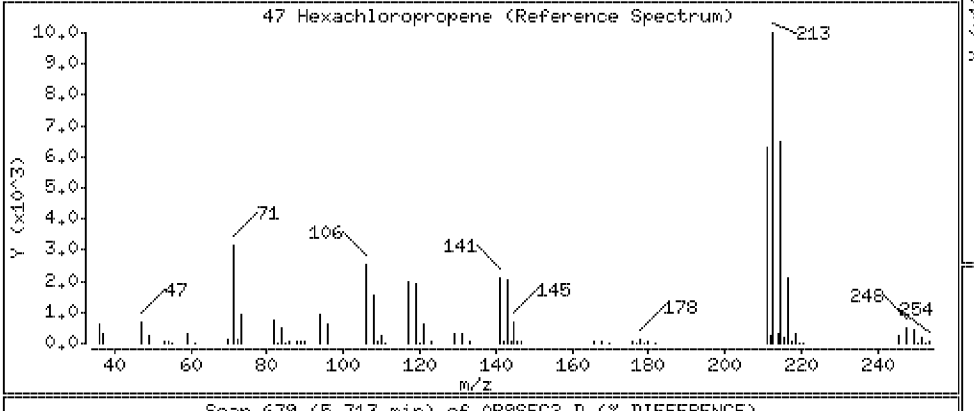
Concentration: 41.3 ug/l

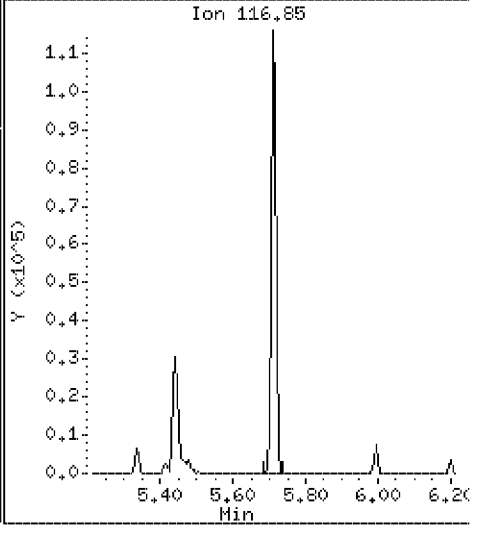


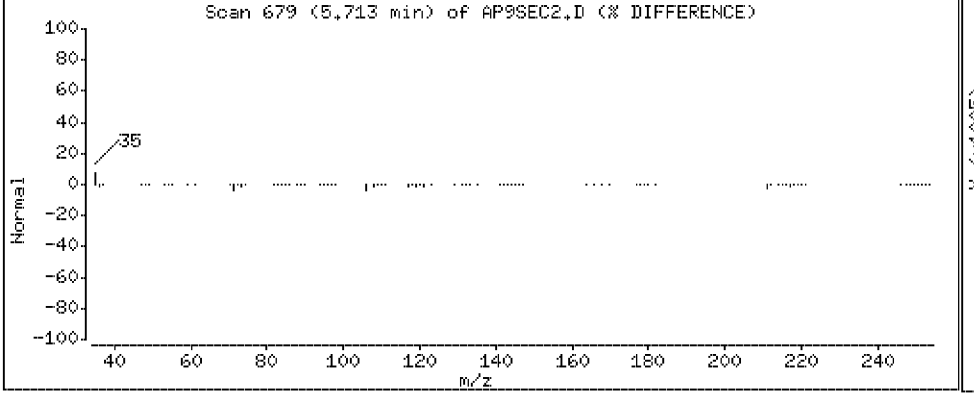












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

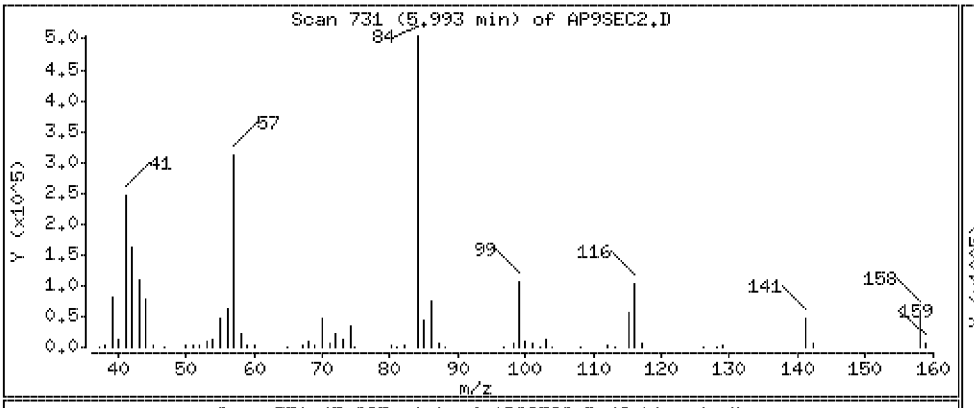
Operator: PEL

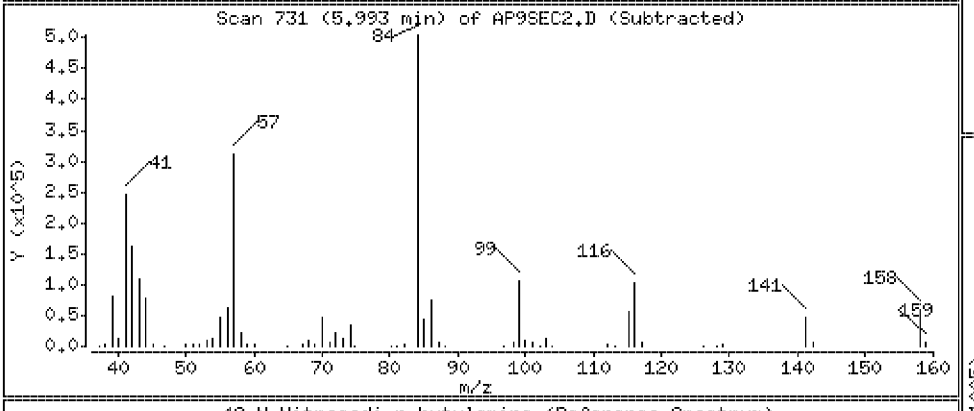
Column phase: HPMS-5

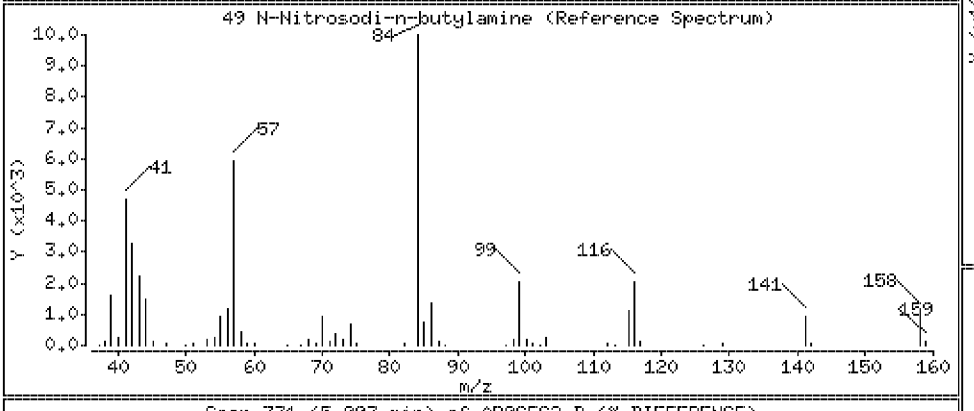
Column diameter: 0.25

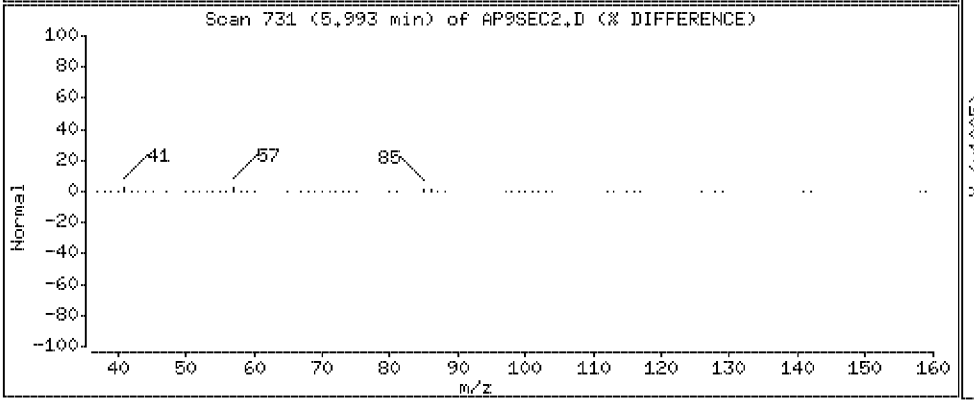
49 N-Nitrosodi-n-butylamine

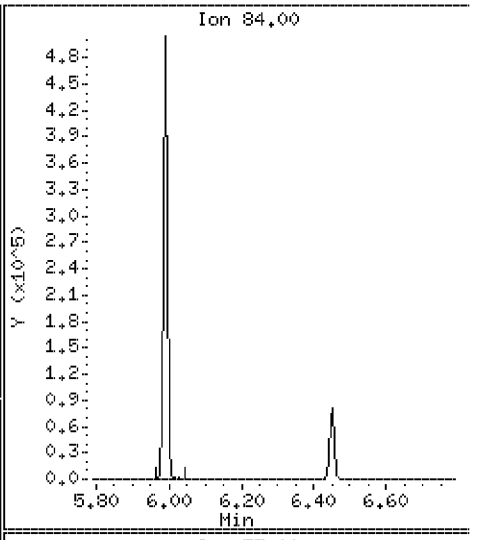
Concentration: 44.2 ug/l

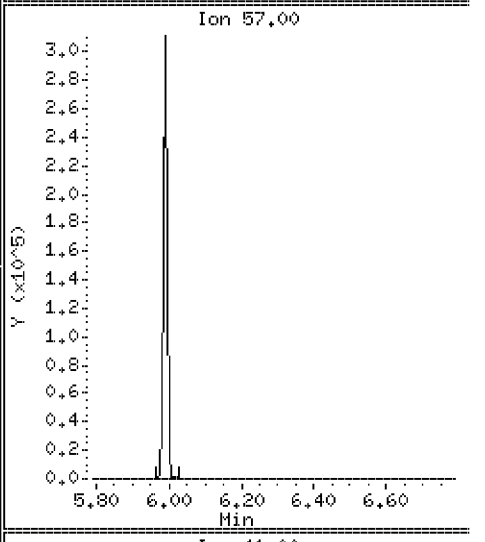


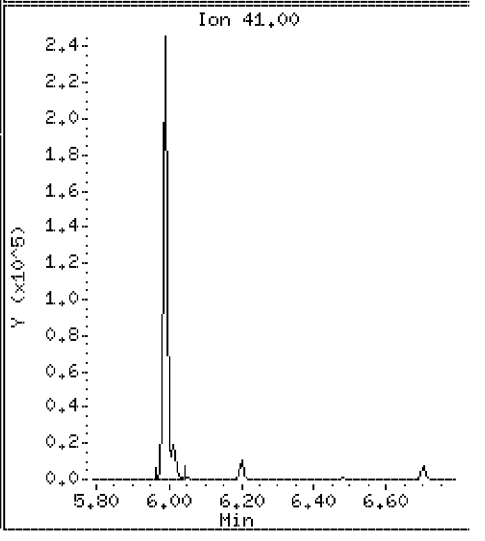












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

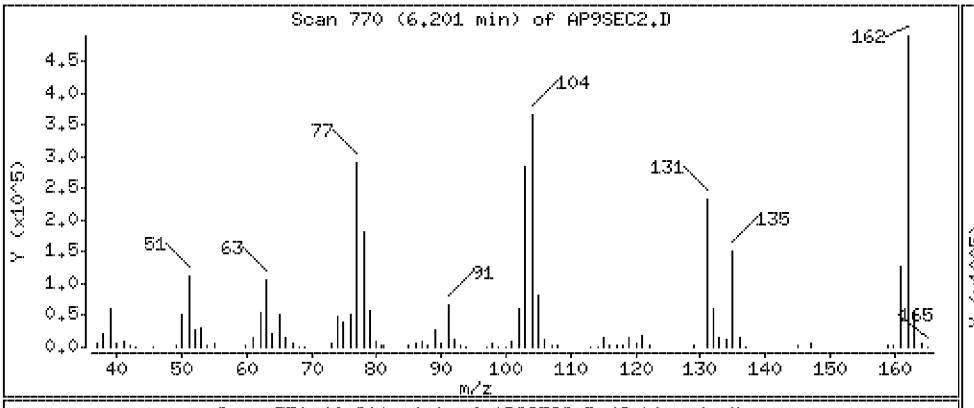
Operator: PEL

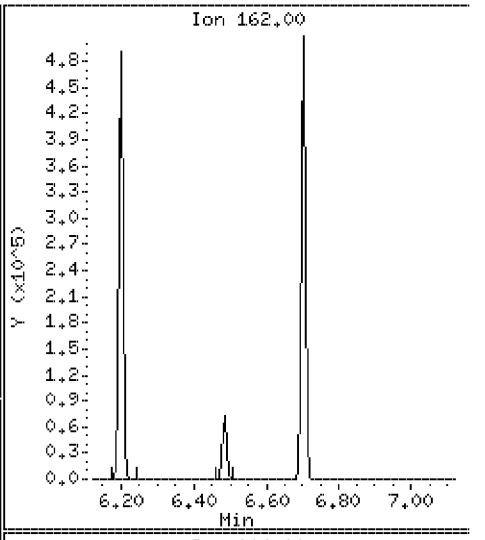
Column phase: HPMS-5

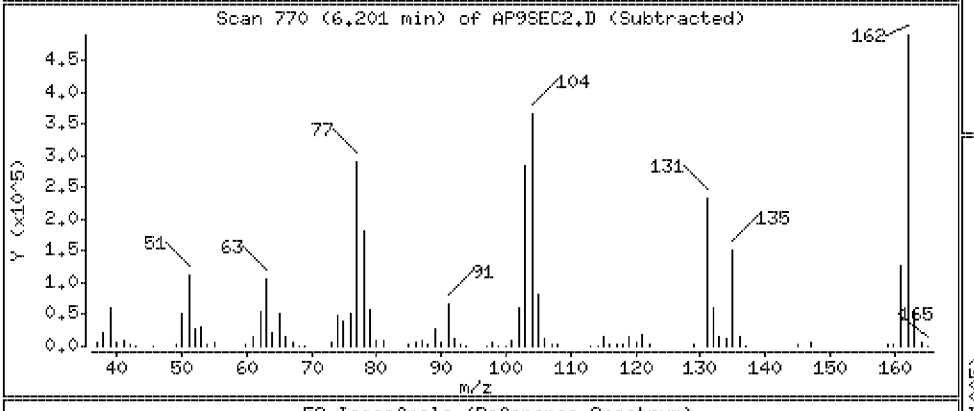
Column diameter: 0.25

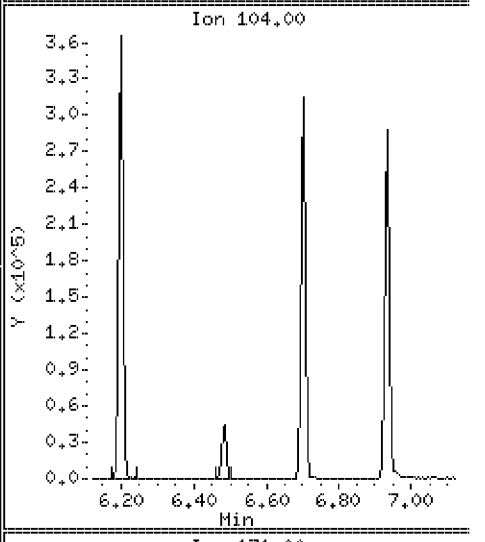
52 Isosafrole

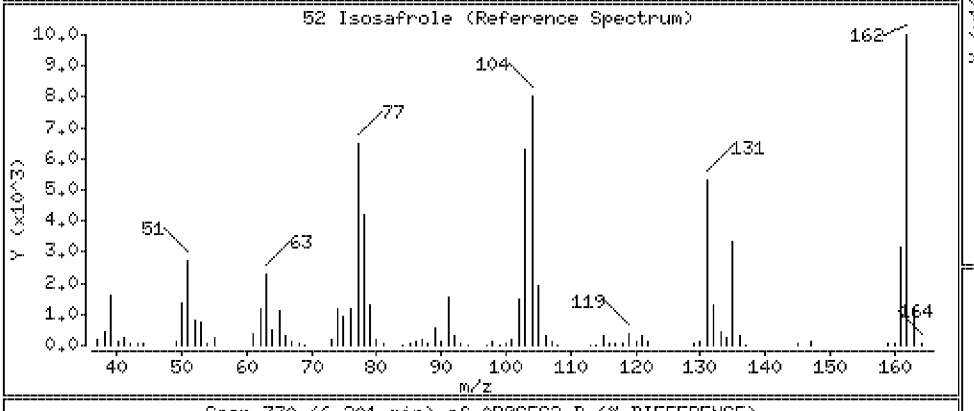
Concentration: 46.0 ug/l

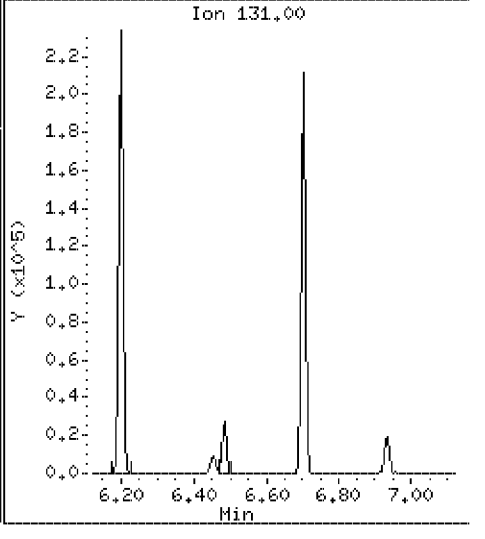


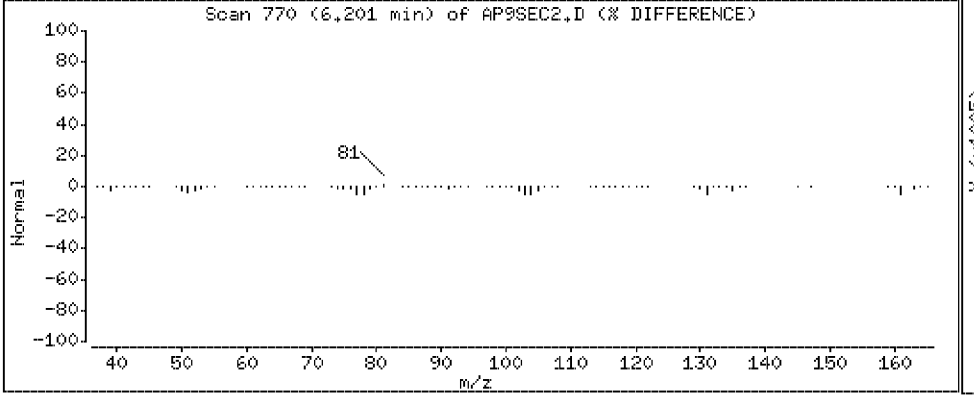












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

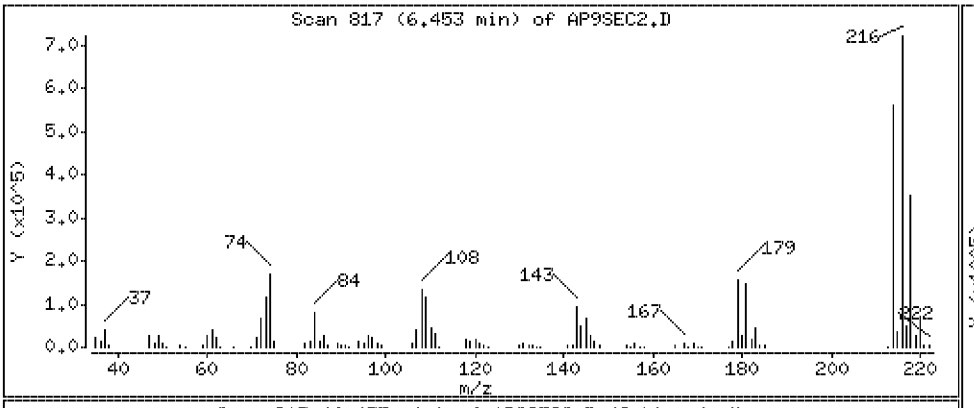
Operator: PEL

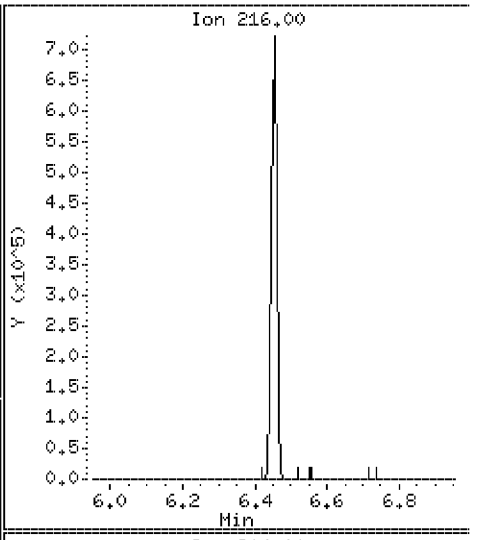
Column phase: HPMS-5

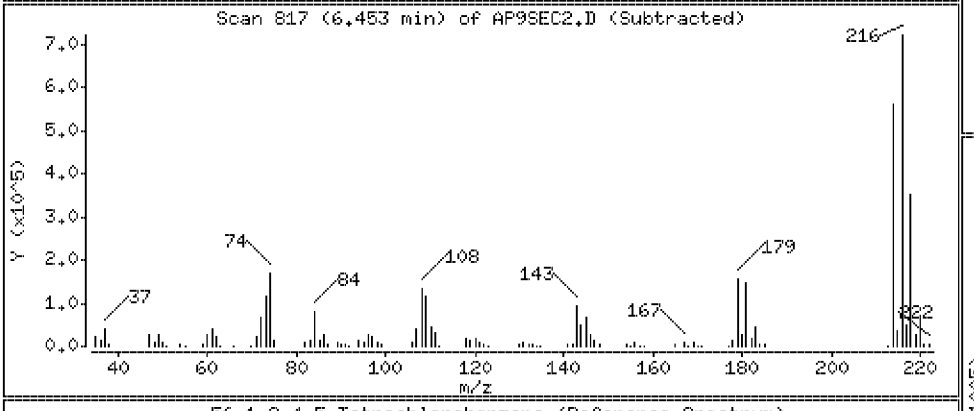
Column diameter: 0.25

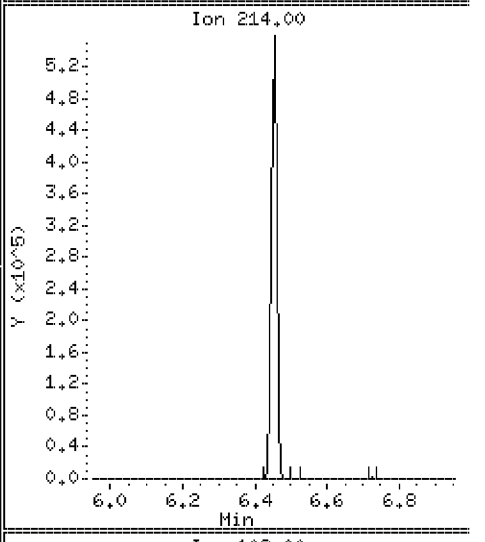
56 1,2,4,5-Tetrachlorobenzene

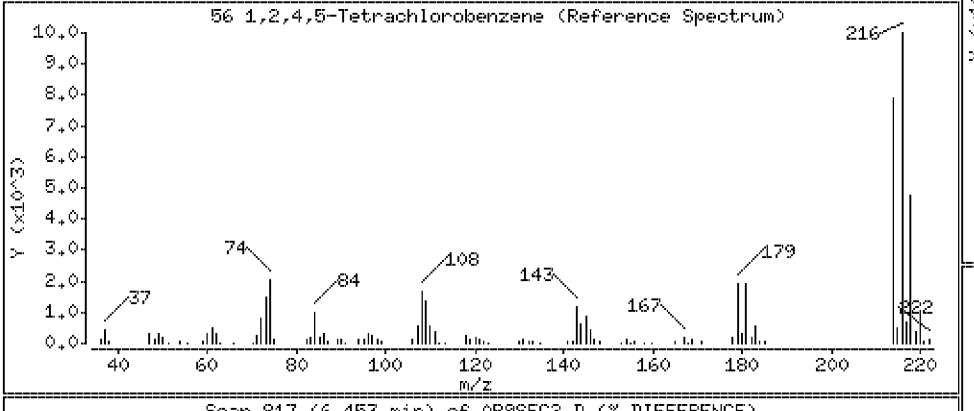
Concentration: 42.4 ug/l

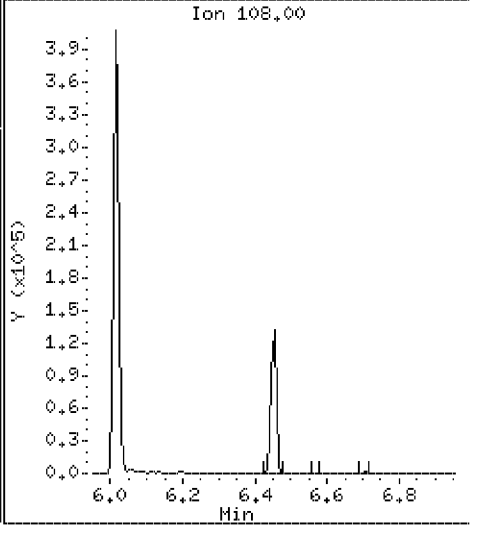


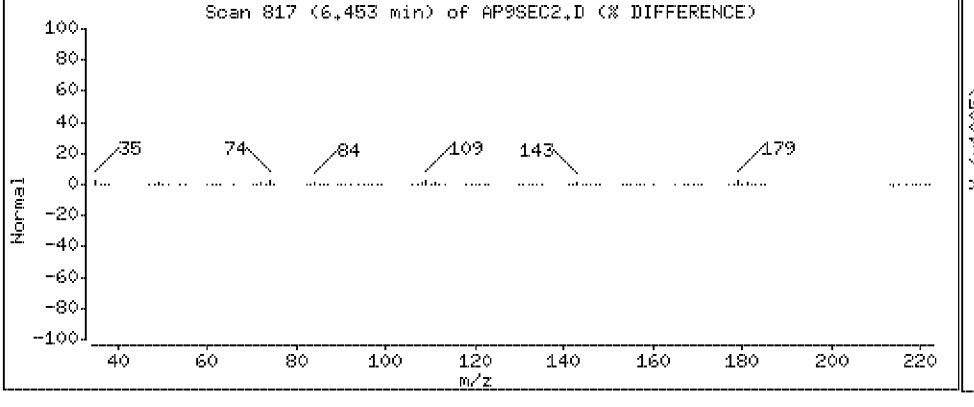












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

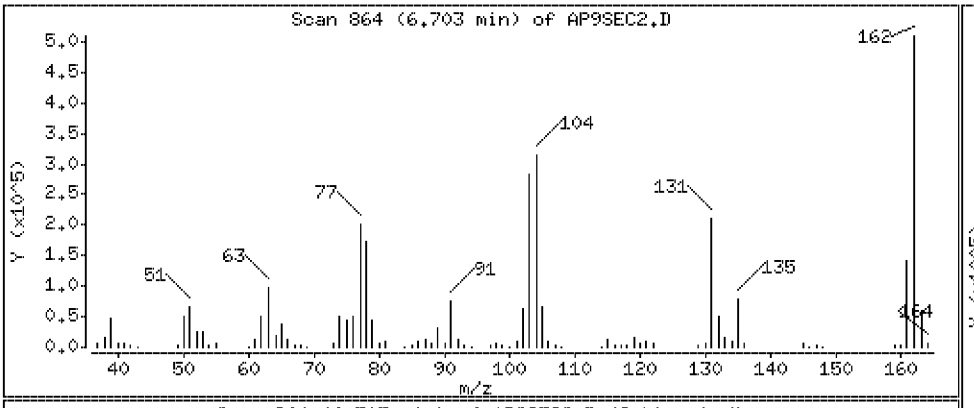
Operator: PEL

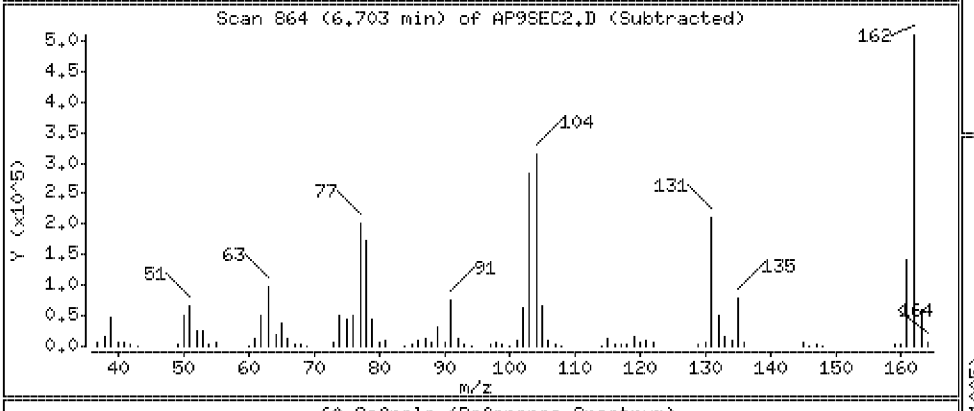
Column phase: HPMS-5

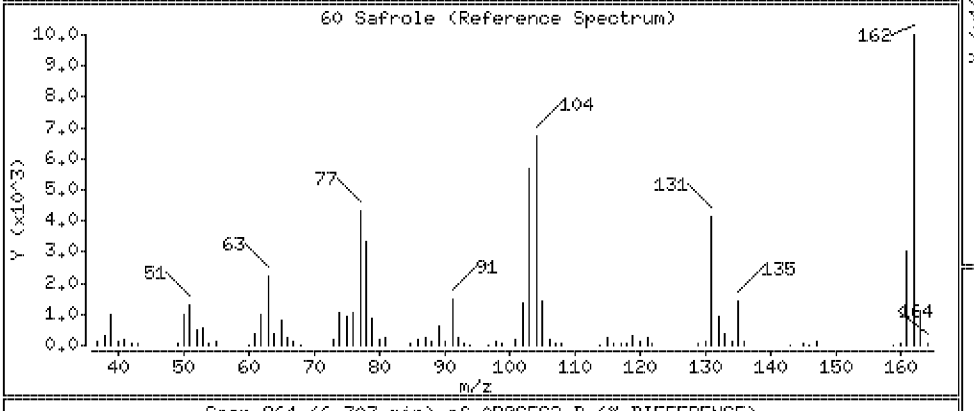
Column diameter: 0.25

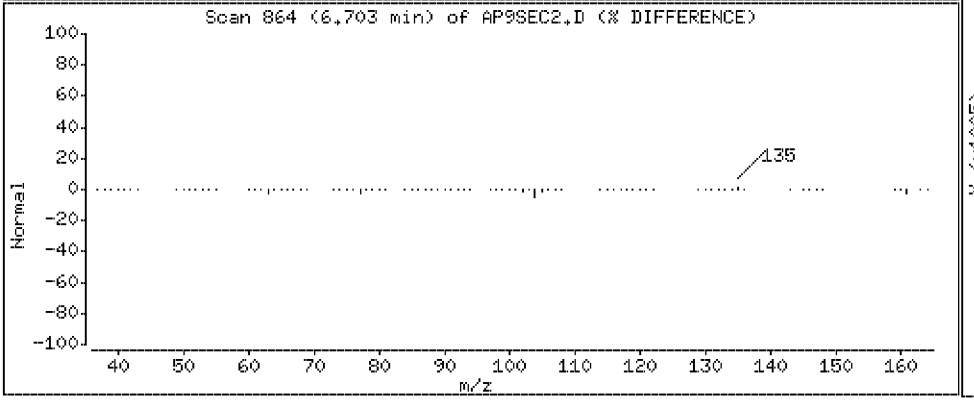
60 Safrole

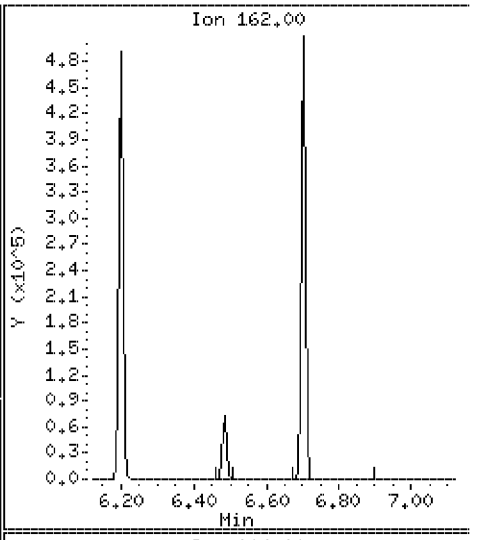
Concentration: 50.7 ug/l

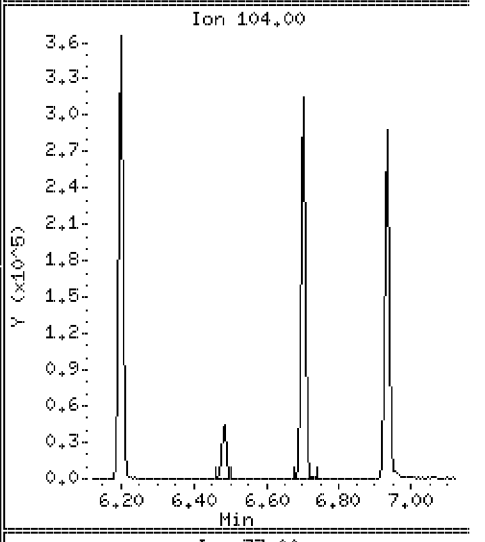


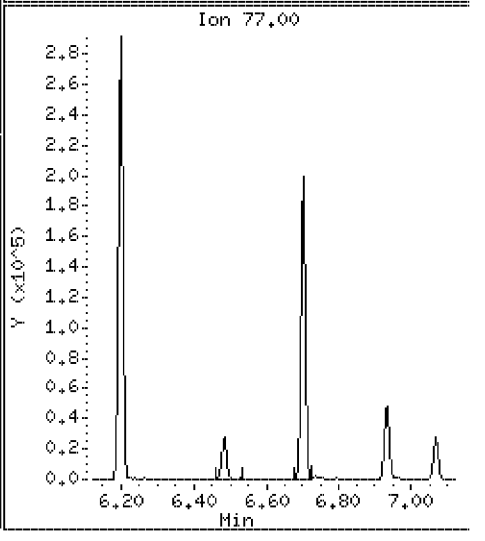












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

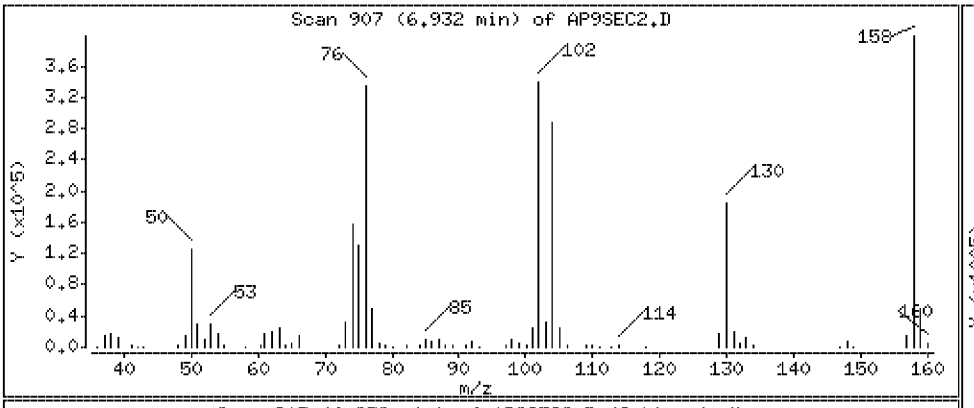
Operator: PEL

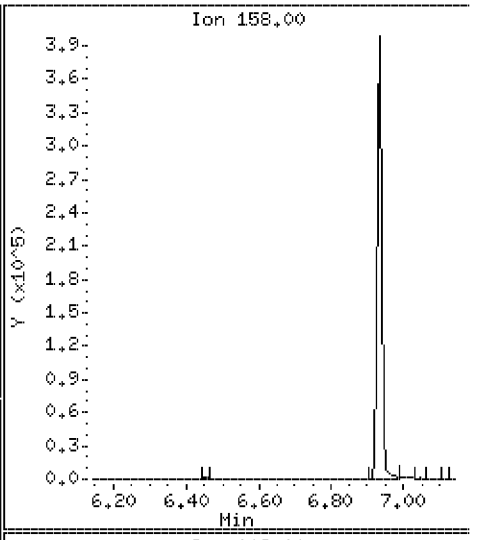
Column phase: HPMS-5

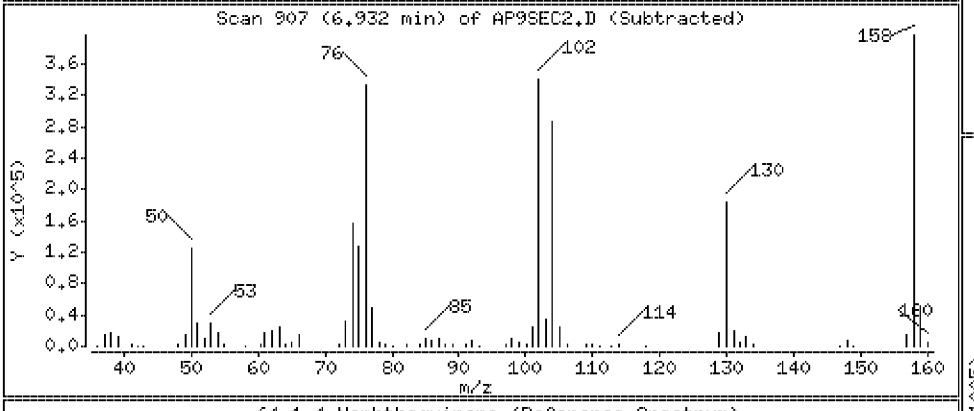
Column diameter: 0.25

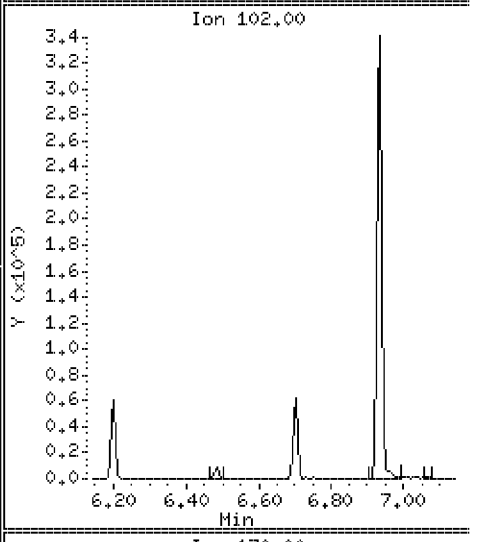
64 1,4-Naphthoquinone

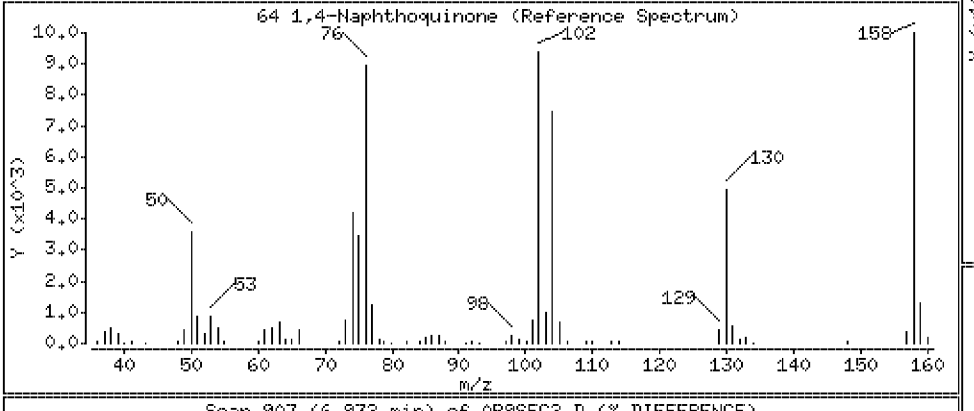
Concentration: 44.7 ug/l

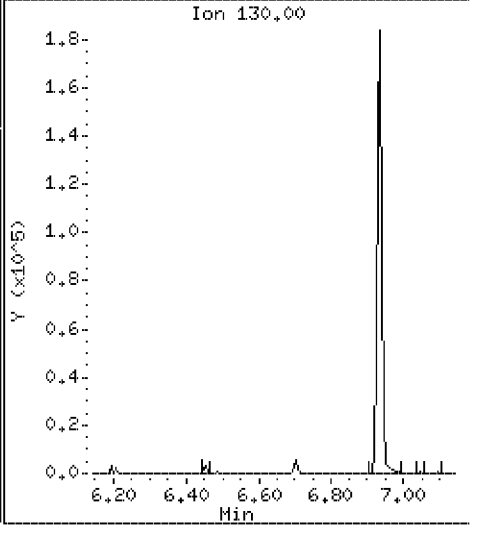


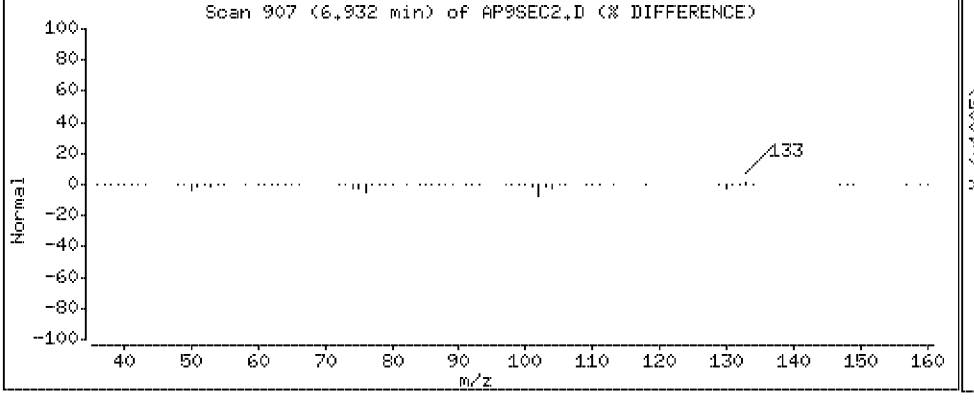












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

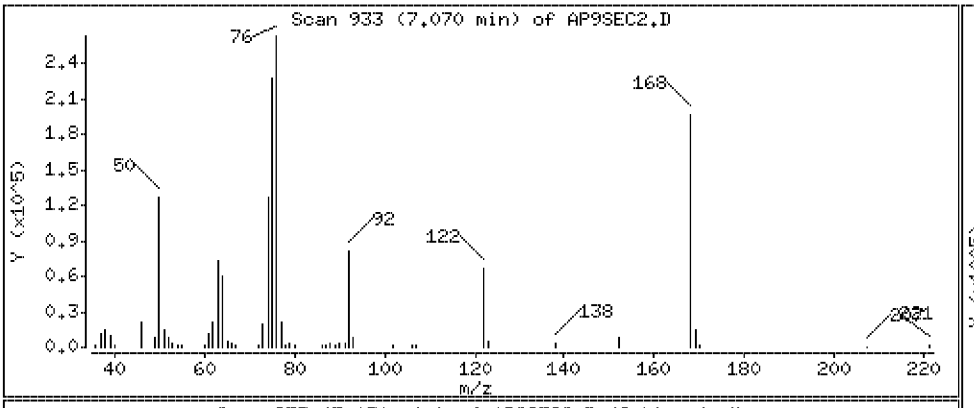
Operator: PEL

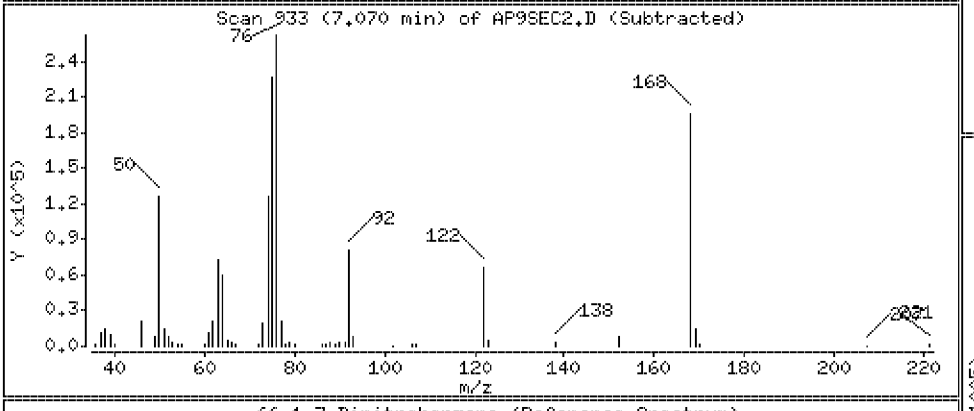
Column phase: HPMS-5

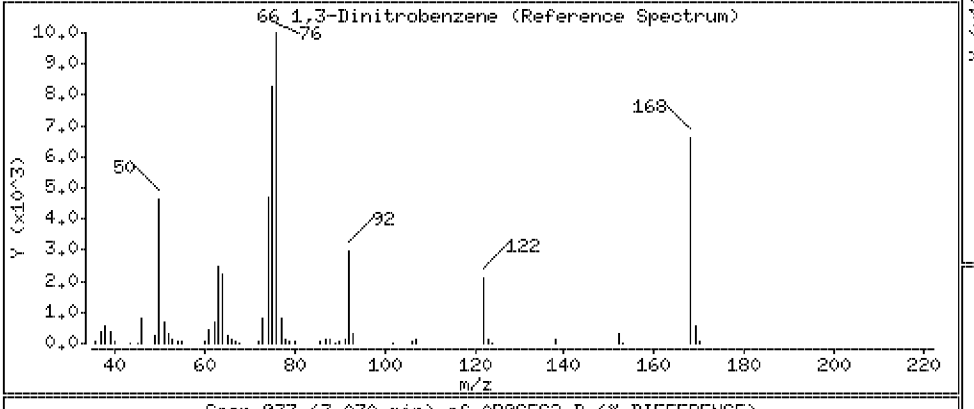
Column diameter: 0.25

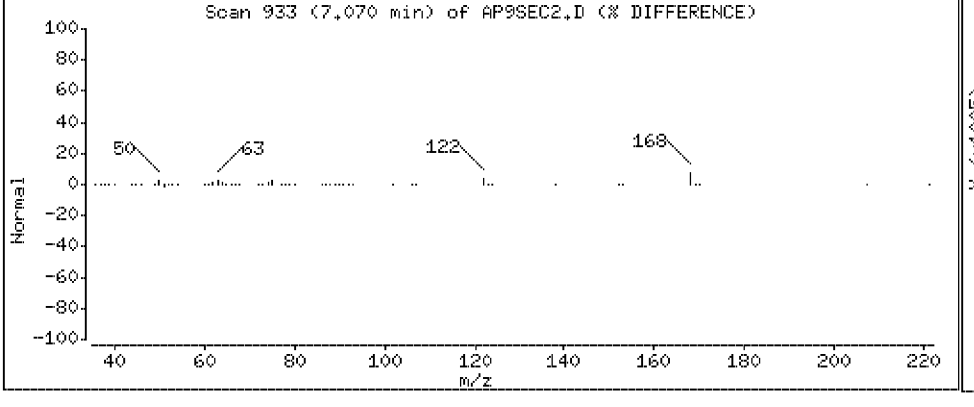
66 1,3-Dinitrobenzene

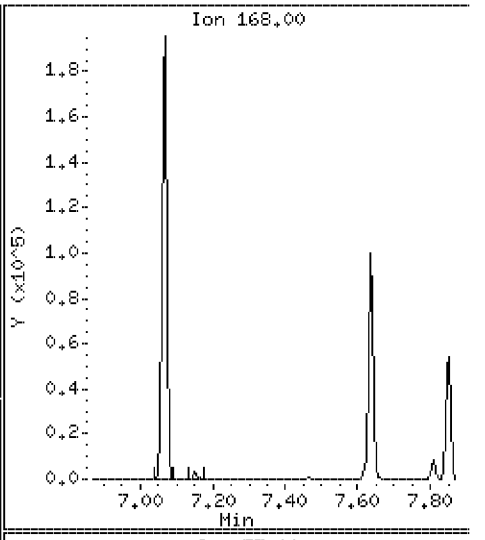
Concentration: 47.5 ug/l

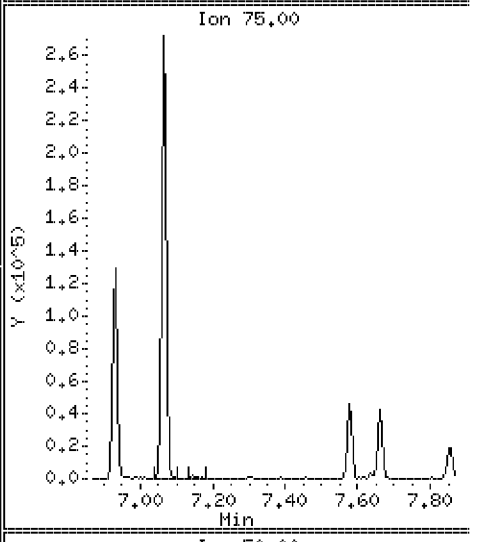


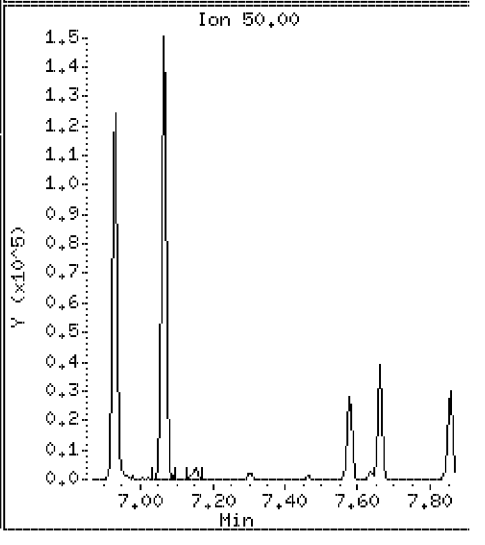












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

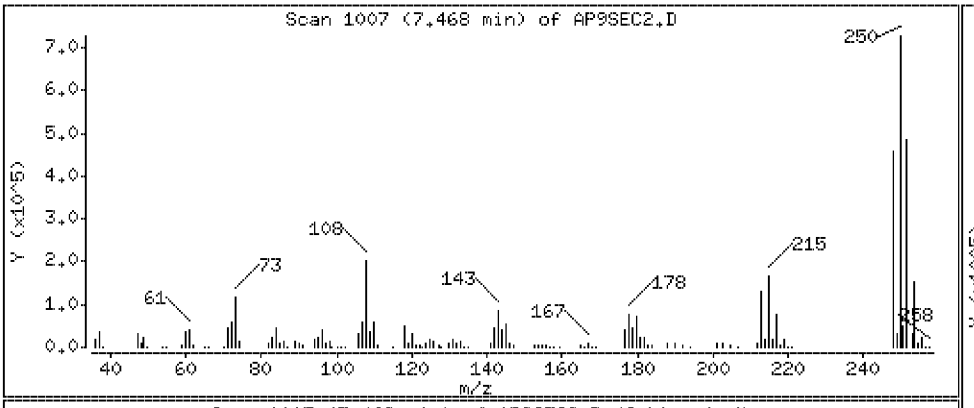
Operator: PEL

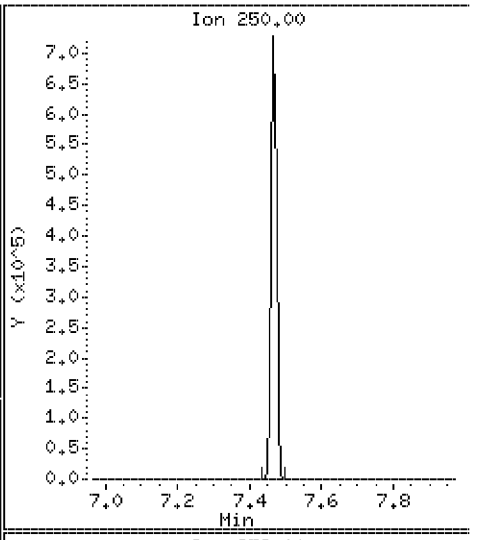
Column phase: HPMS-5

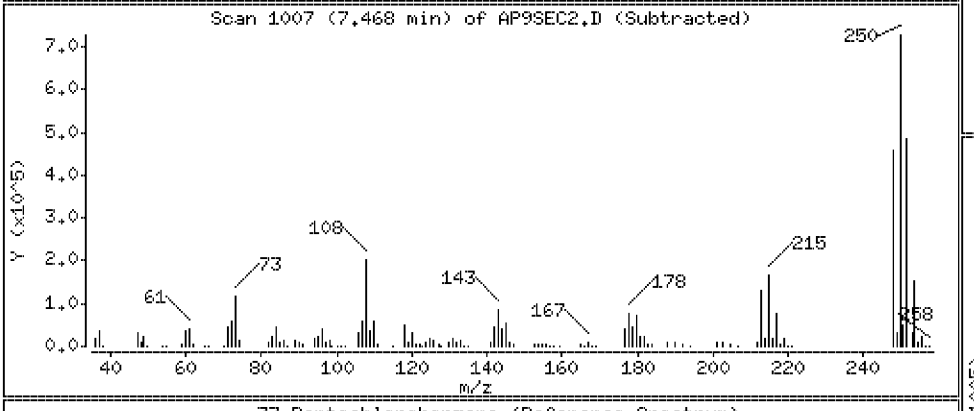
Column diameter: 0.25

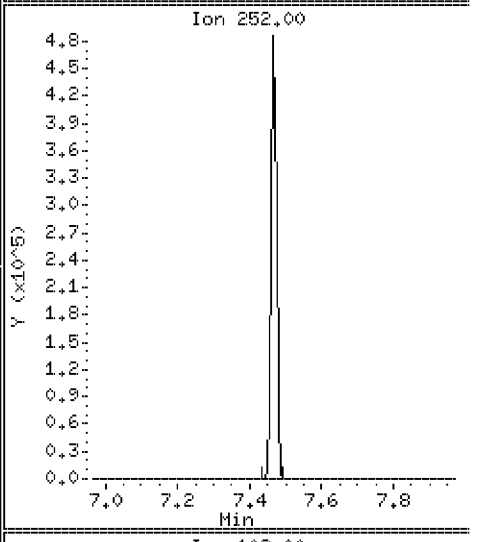
73 Pentachlorobenzene

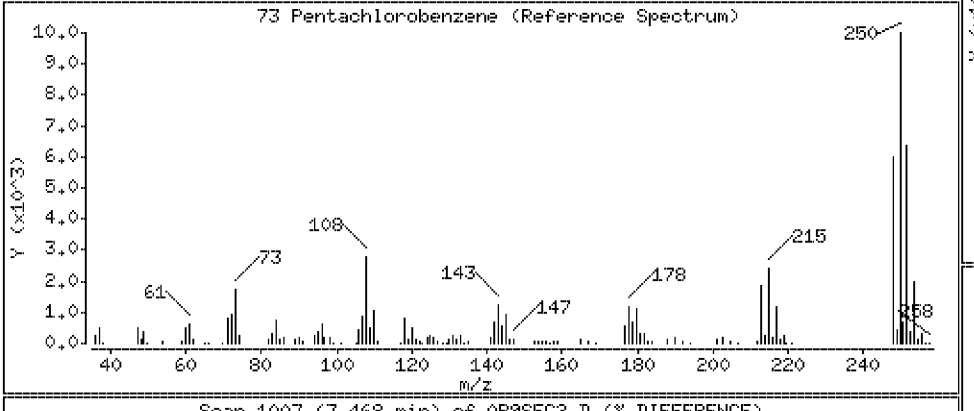
Concentration: 44.2 ug/l

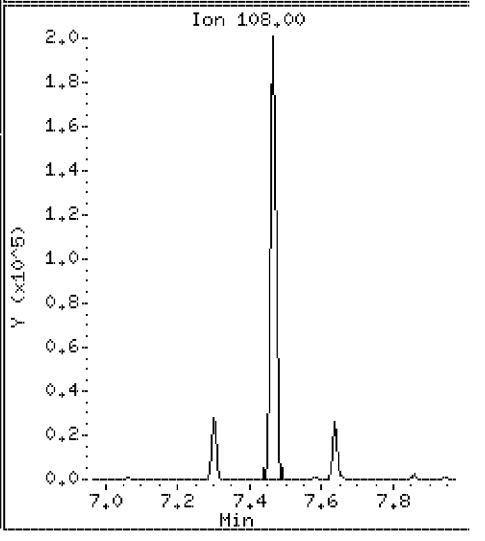


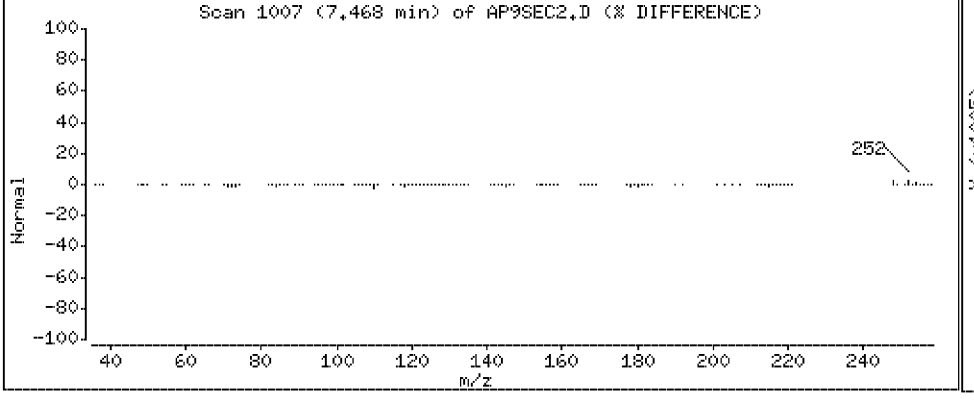












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

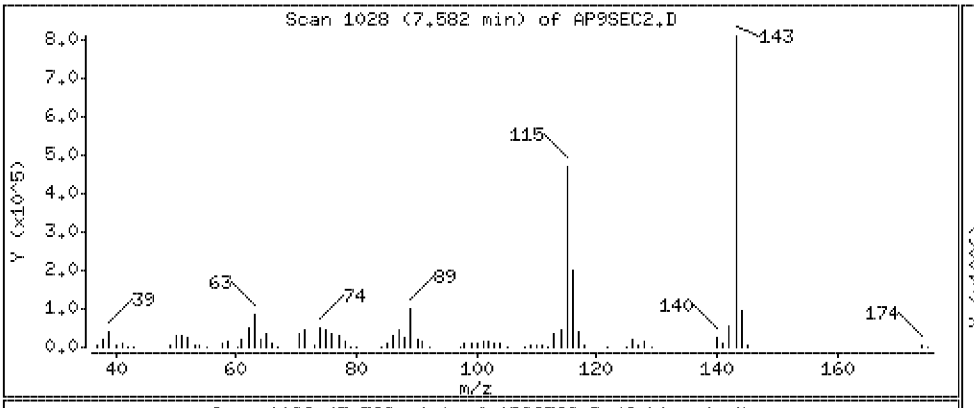
Operator: PEL

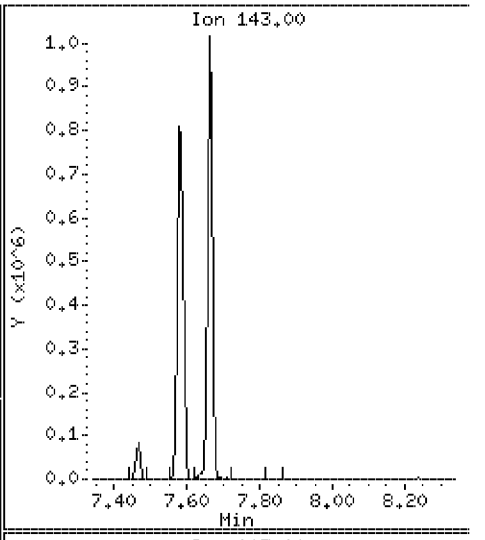
Column phase: HPMS-5

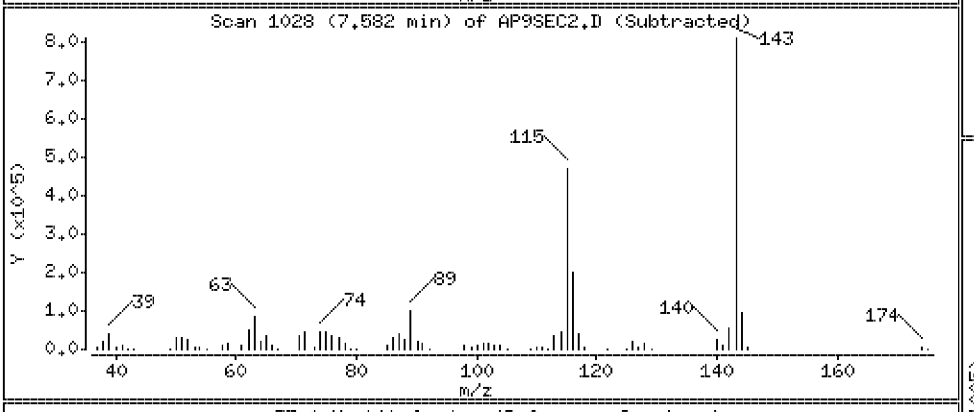
Column diameter: 0.25

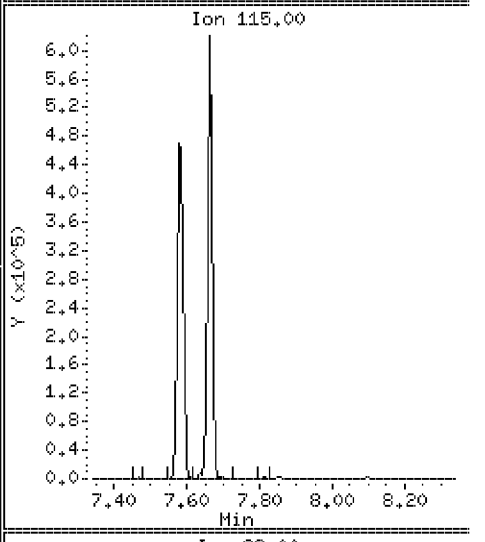
77 1-Naphthylamine

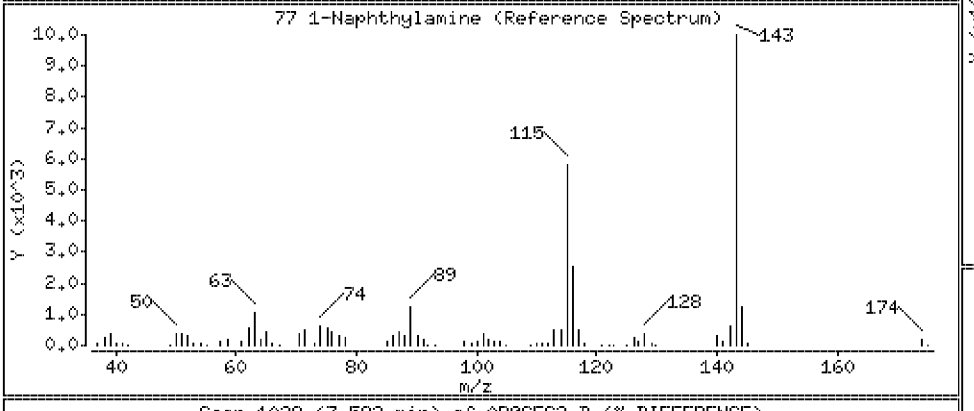
Concentration: 59.6 ug/l

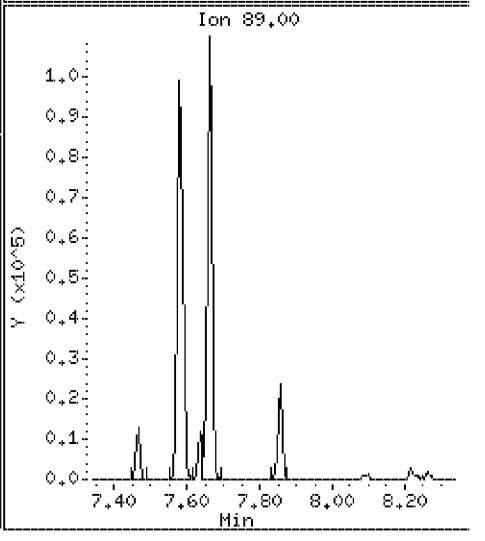


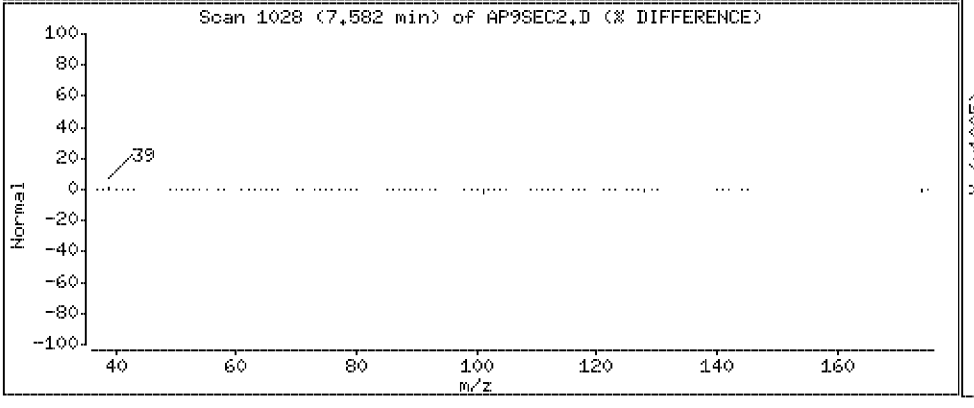












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

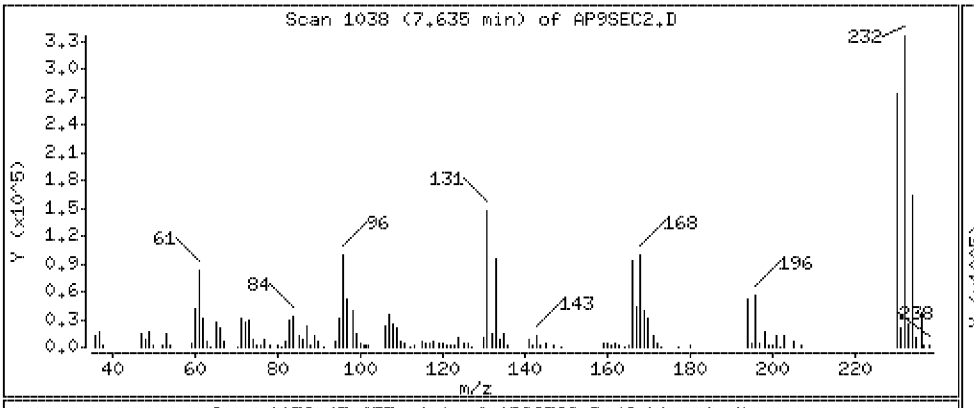
Operator: PEL

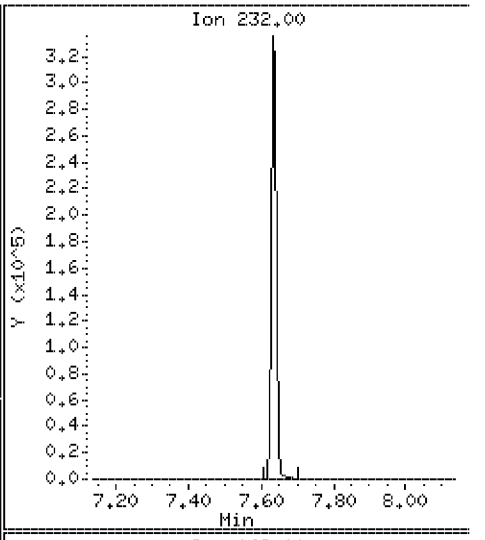
Column phase: HPMS-5

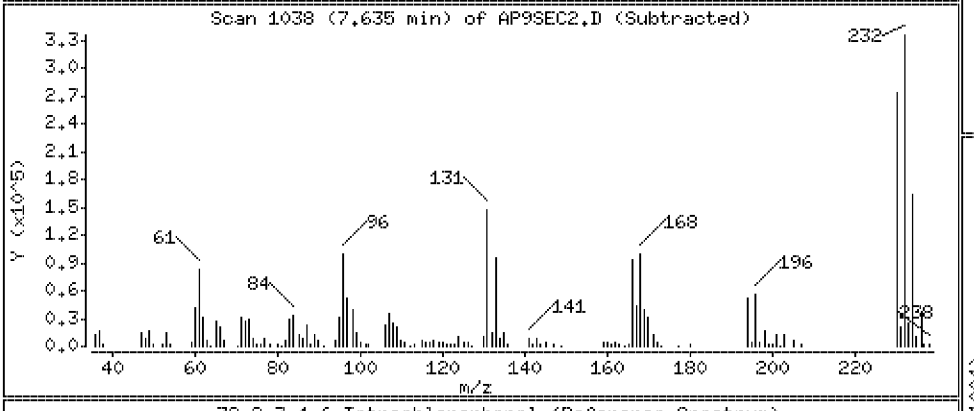
Column diameter: 0.25

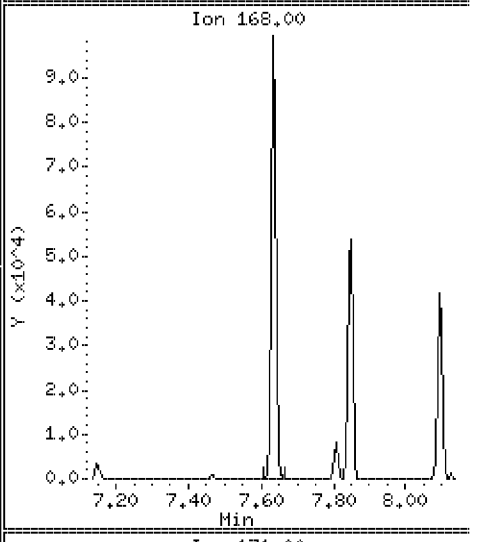
78 2,3,4,6-Tetrachlorophenol

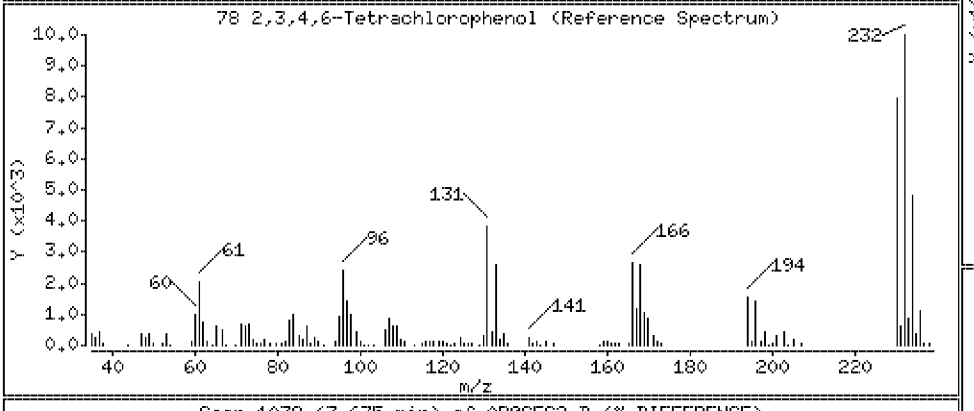
Concentration: 41.6 ug/l

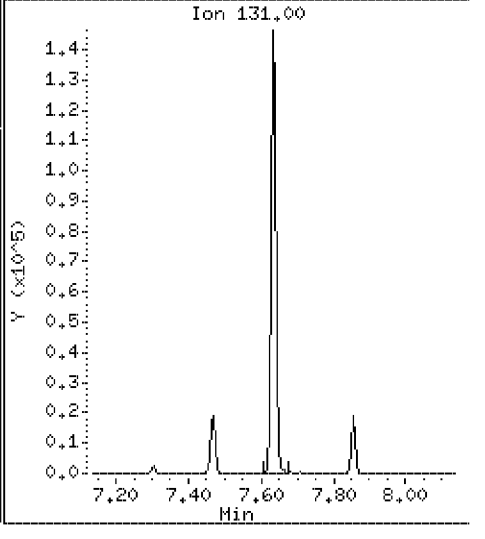


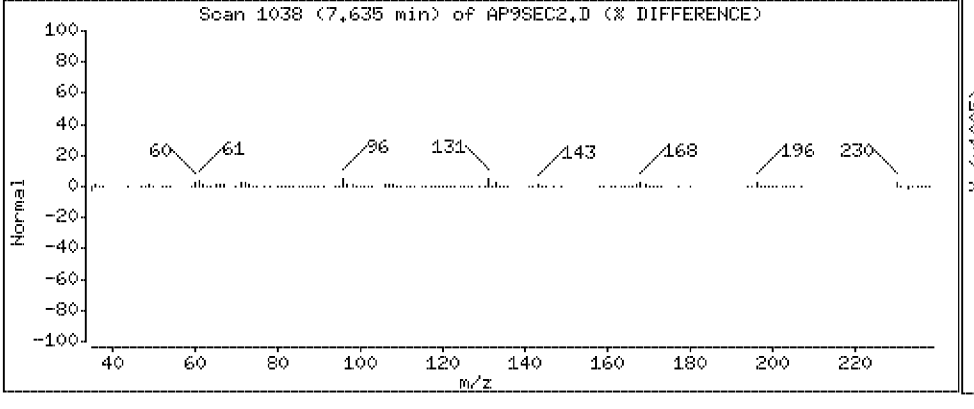












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

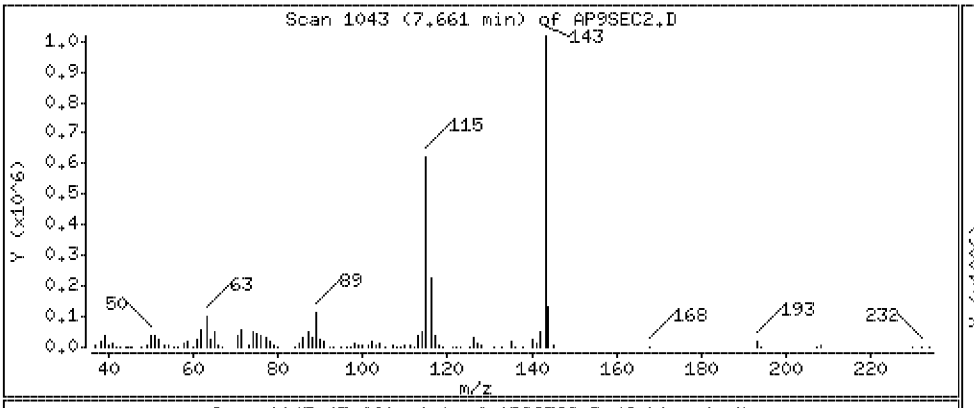
Operator: PEL

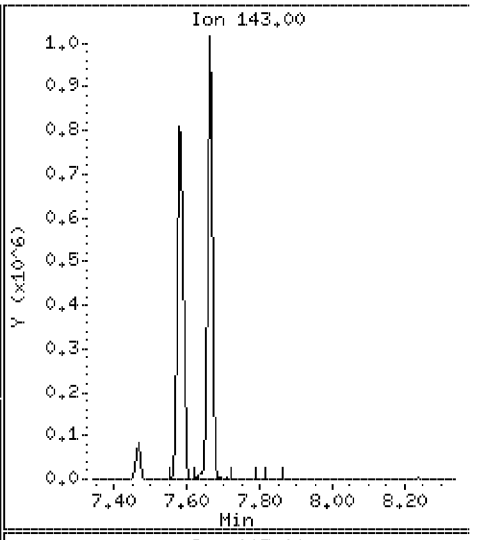
Column phase: HPMS-5

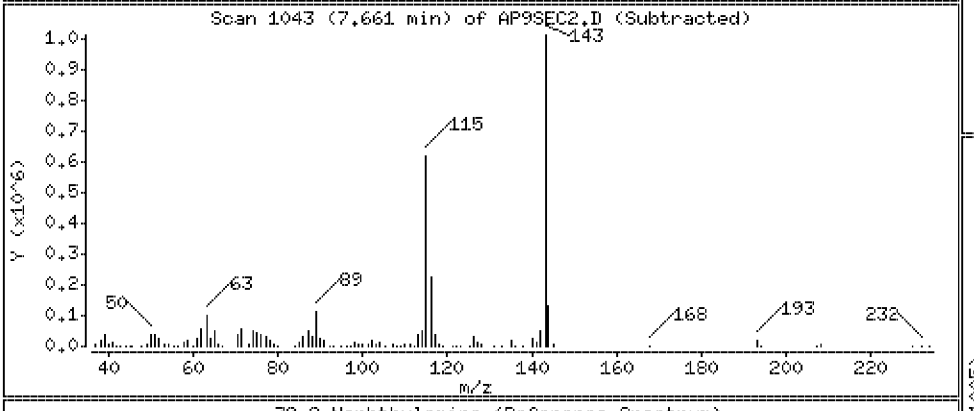
Column diameter: 0.25

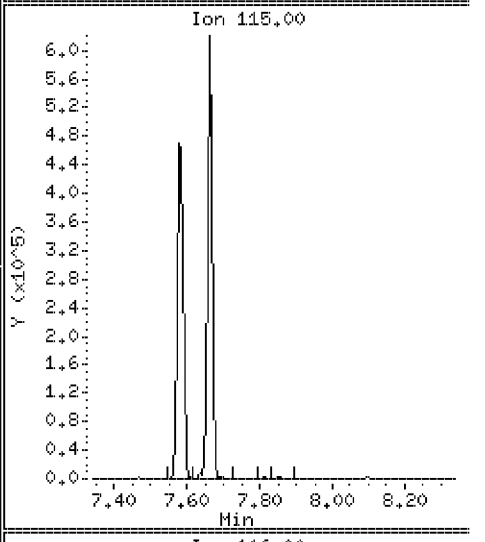
79 2-Naphthylamine

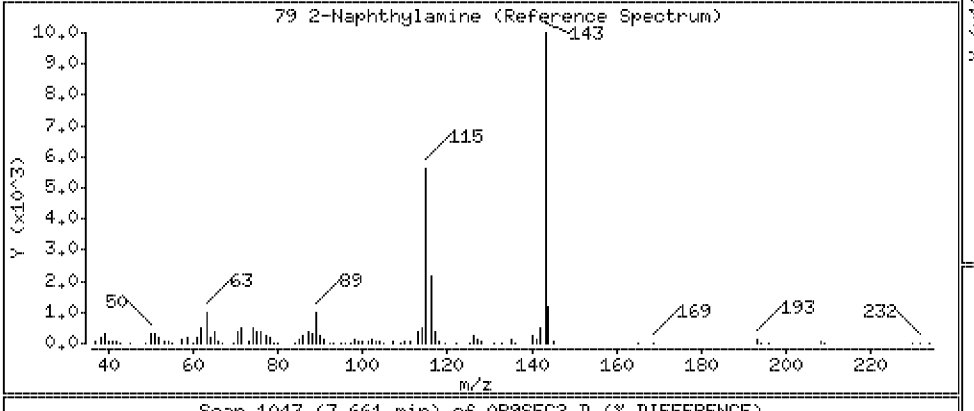
Concentration: 55.2 ug/l

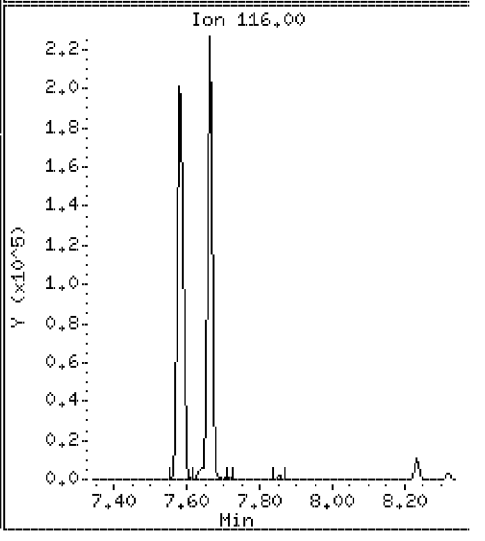


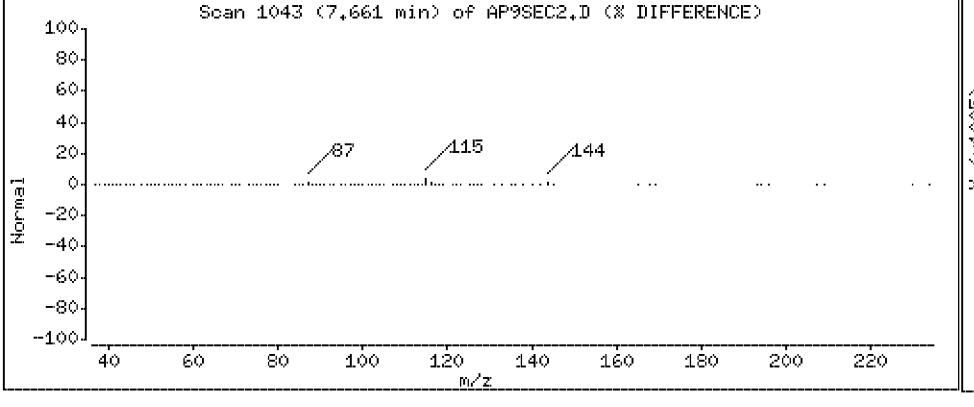












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

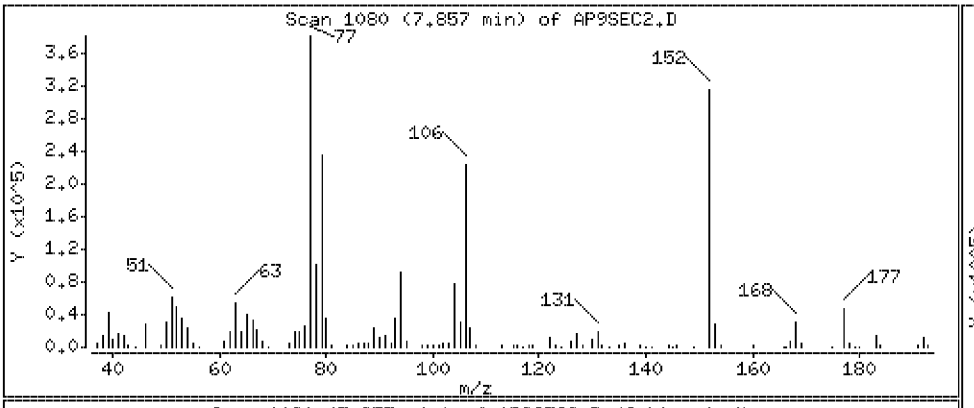
Operator: PEL

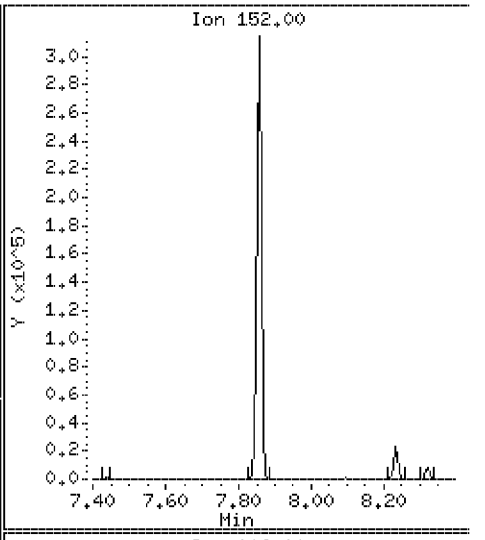
Column phase: HPMS-5

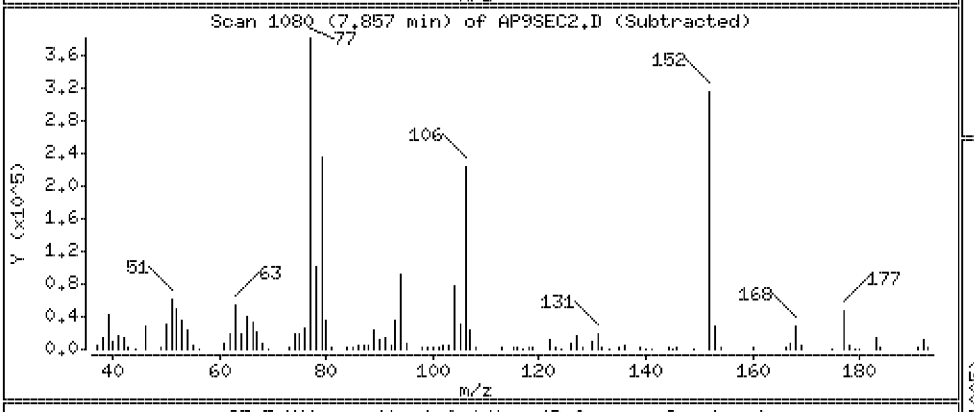
Column diameter: 0.25

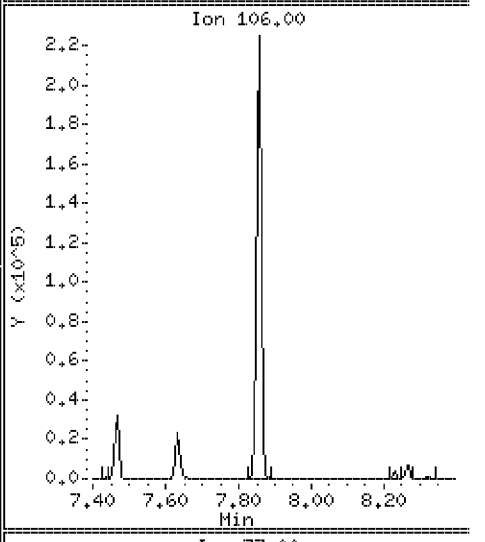
83 5-Nitro-ortho-toluidine

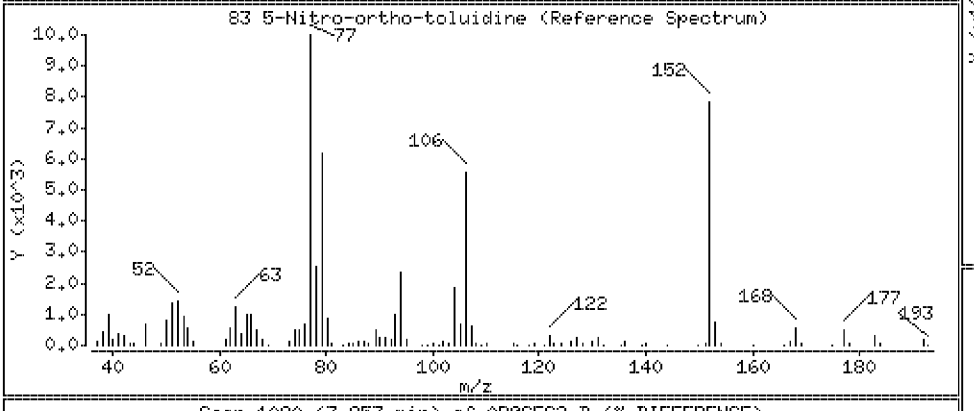
Concentration: 42.3 ug/l

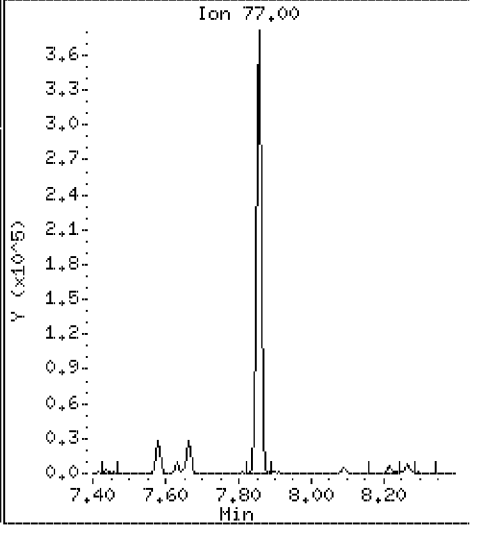


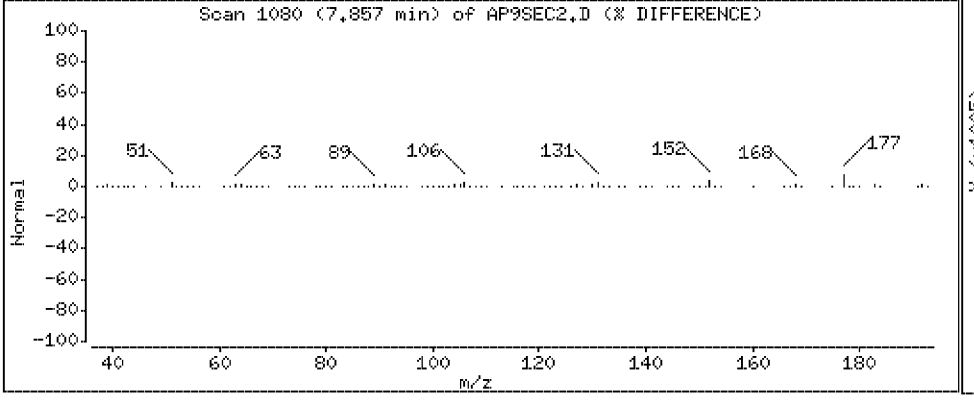












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

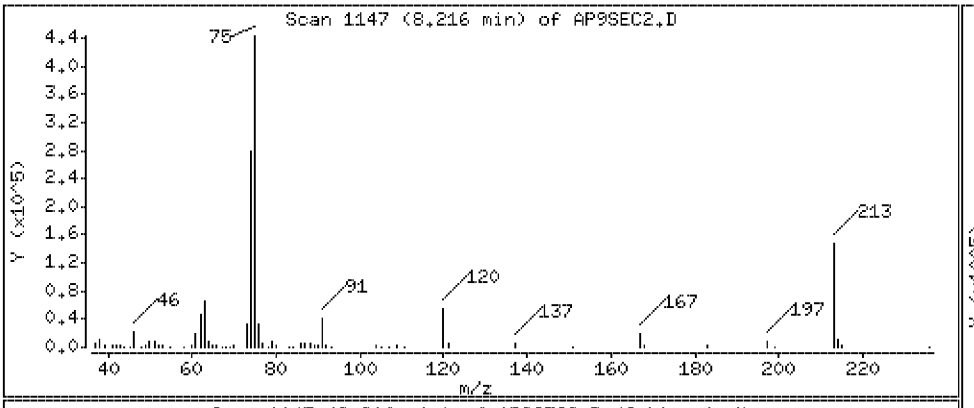
Operator: PEL

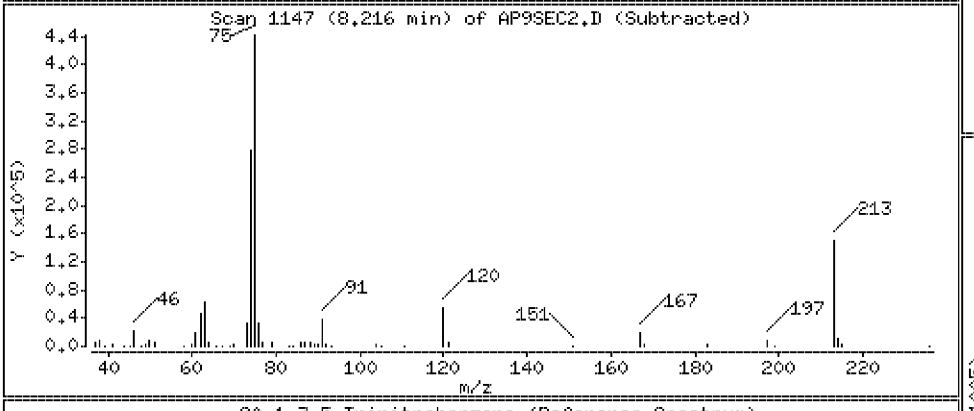
Column phase: HPMS-5

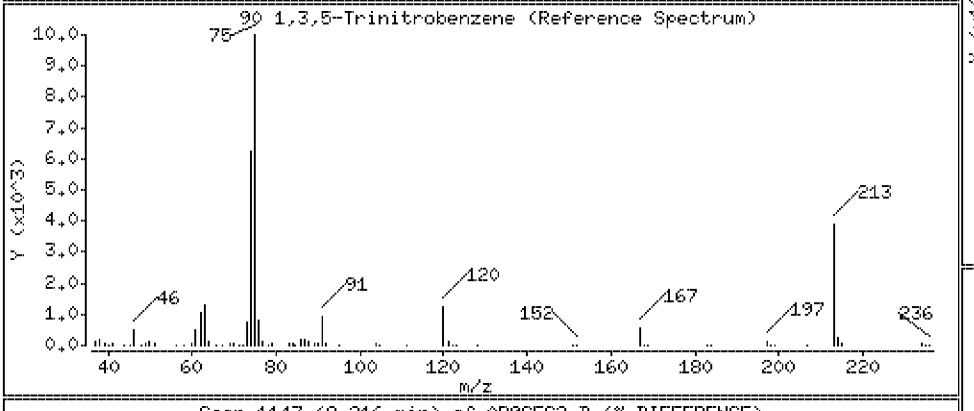
Column diameter: 0.25

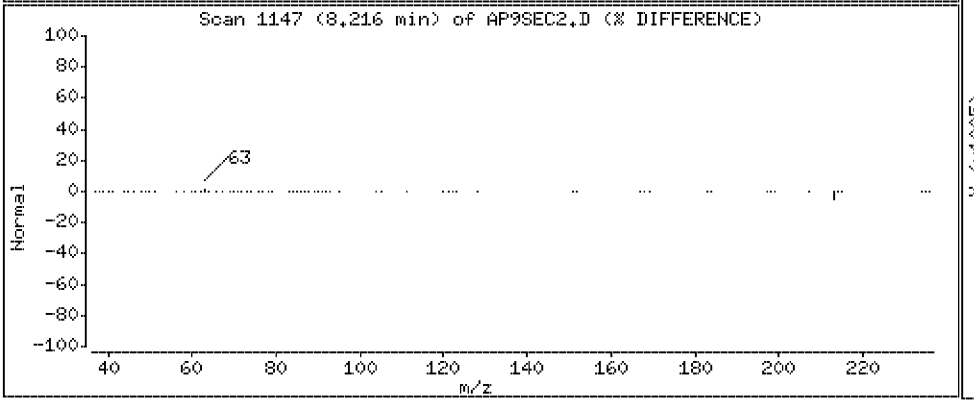
90 1,3,5-Trinitrobenzene

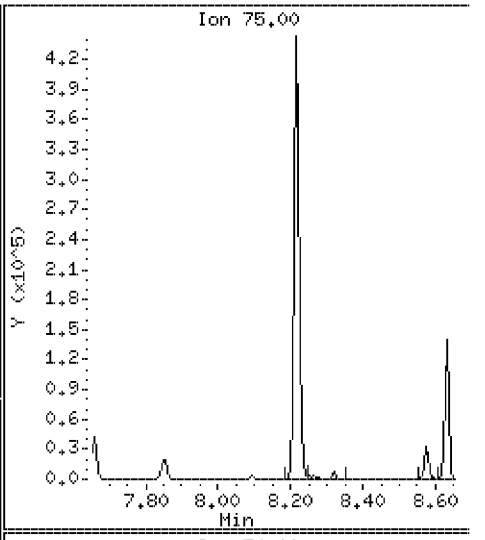
Concentration: 25.4 ug/l

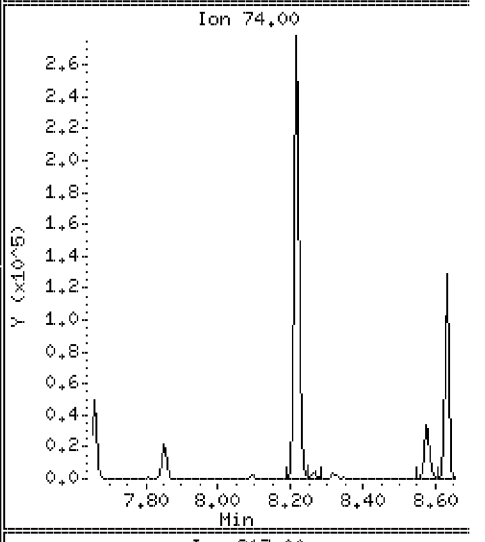


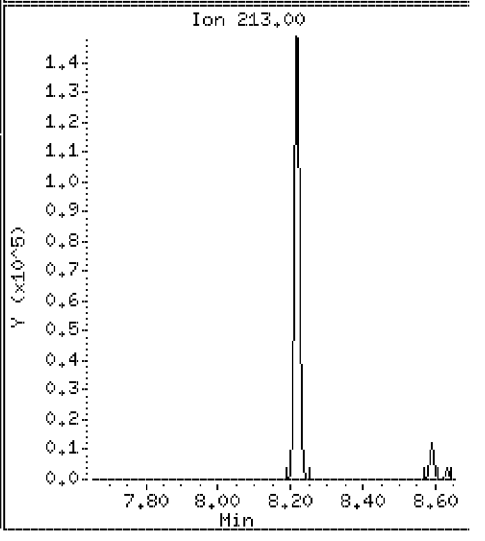












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

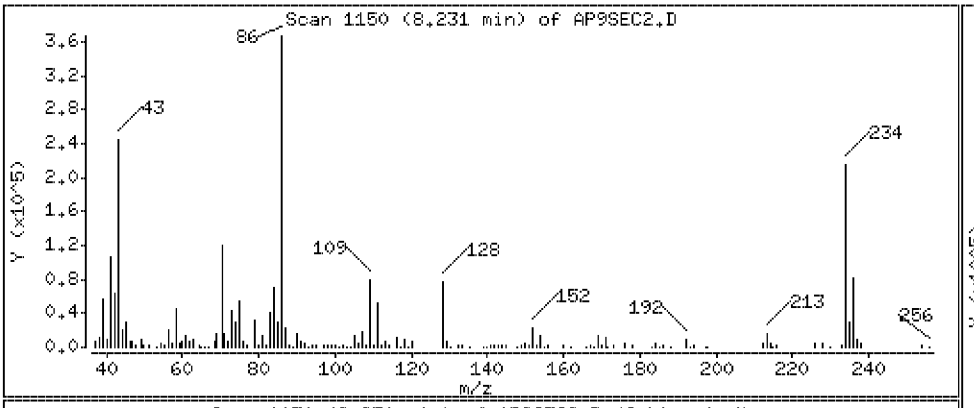
Operator: PEL

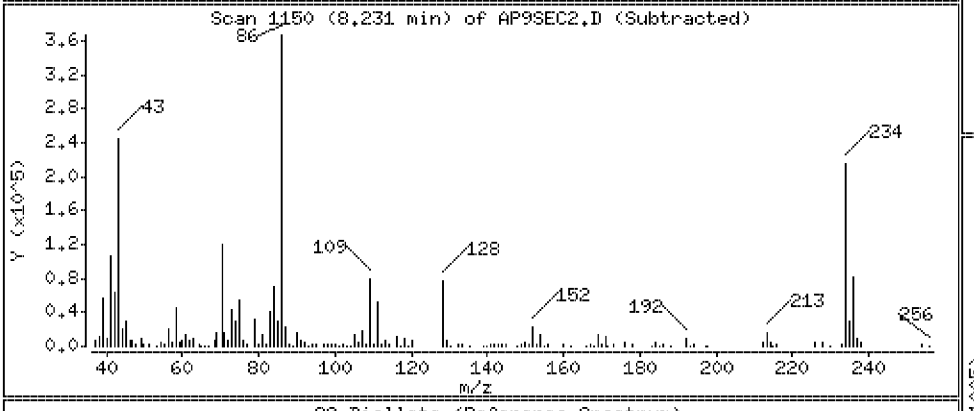
Column phase: HPMS-5

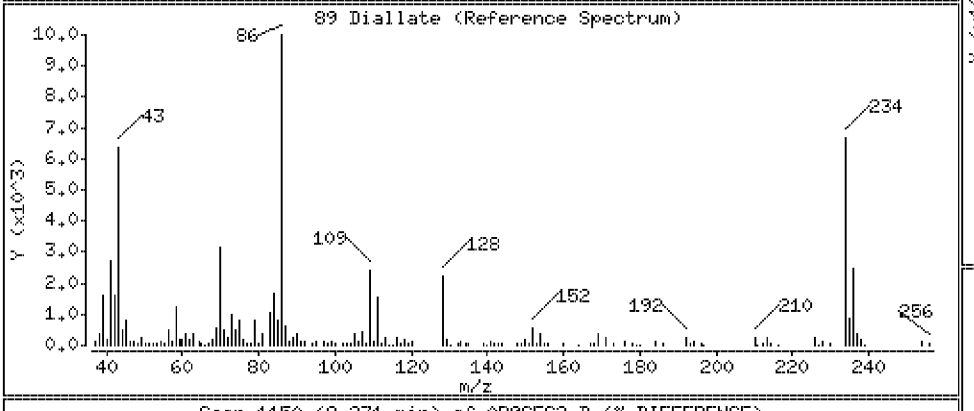
Column diameter: 0.25

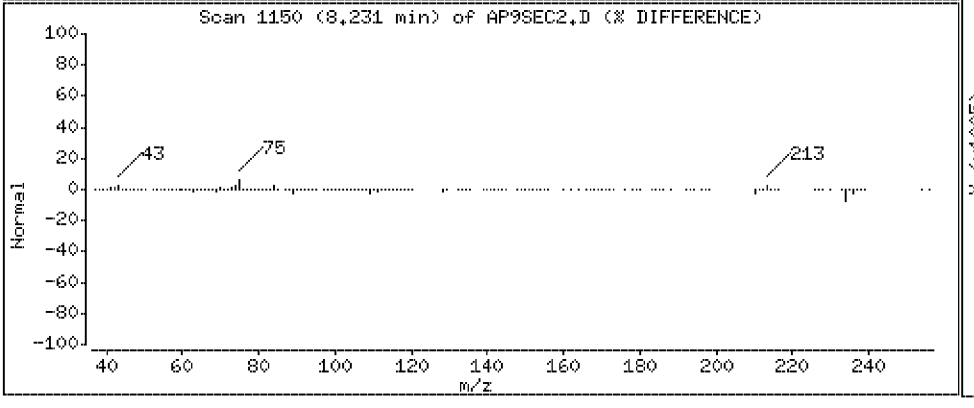
89 Diallate

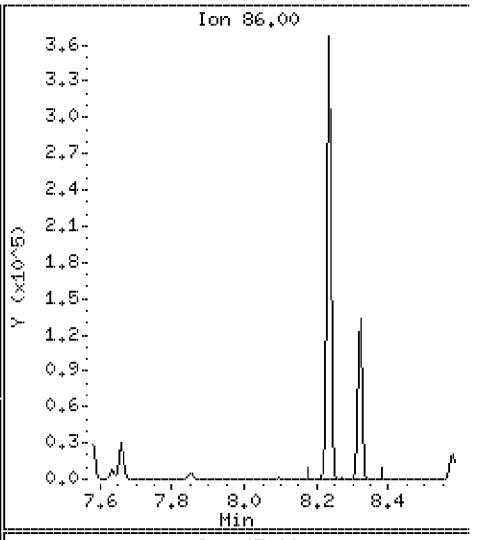
Concentration: 43.5 ug/l

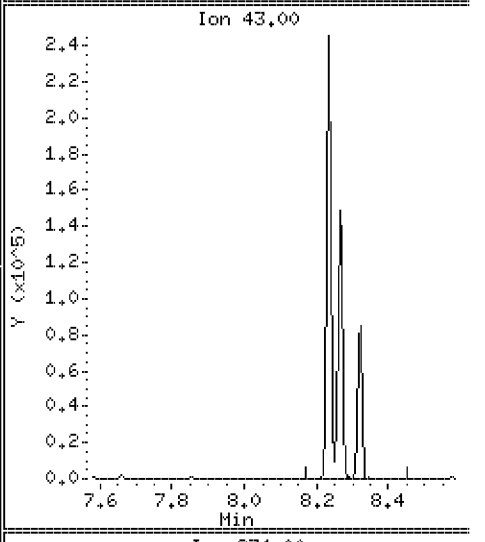


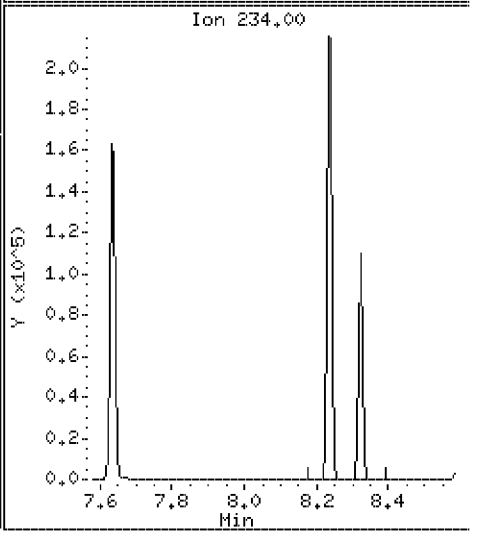












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

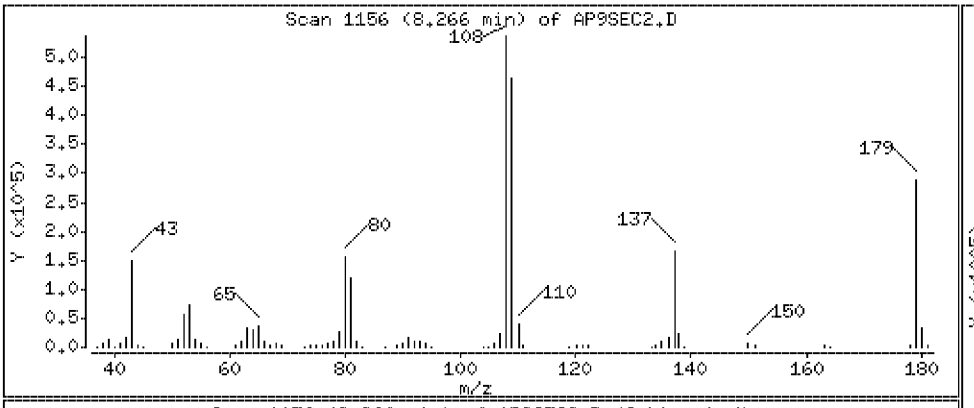
Operator: PEL

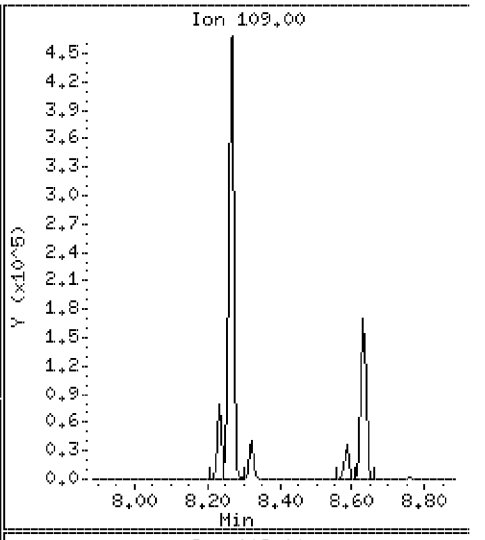
Column phase: HPMS-5

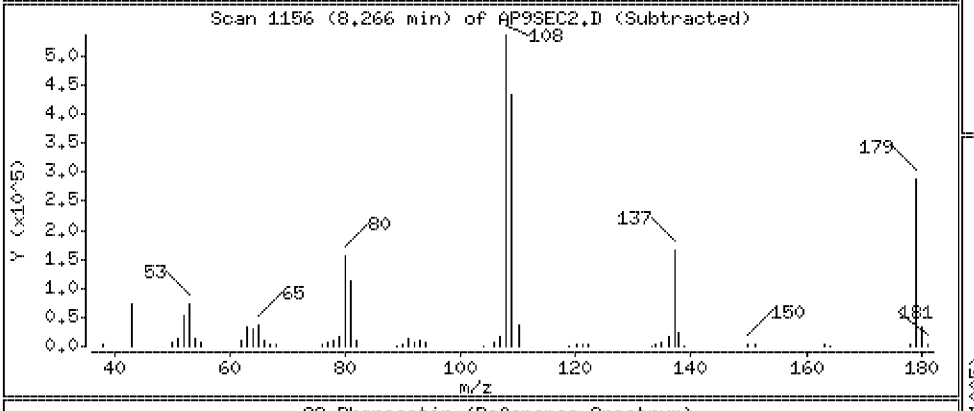
Column diameter: 0.25

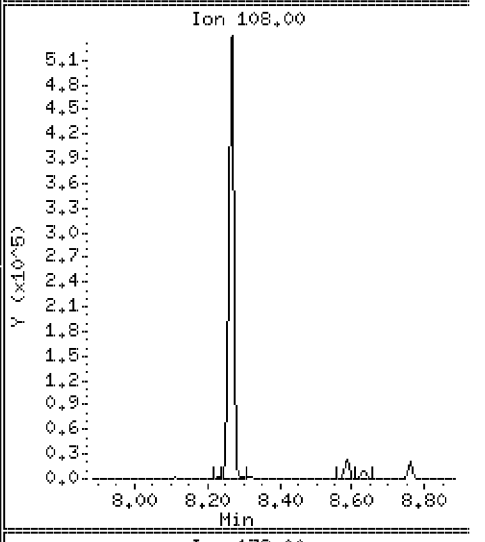
92 Phenacetin

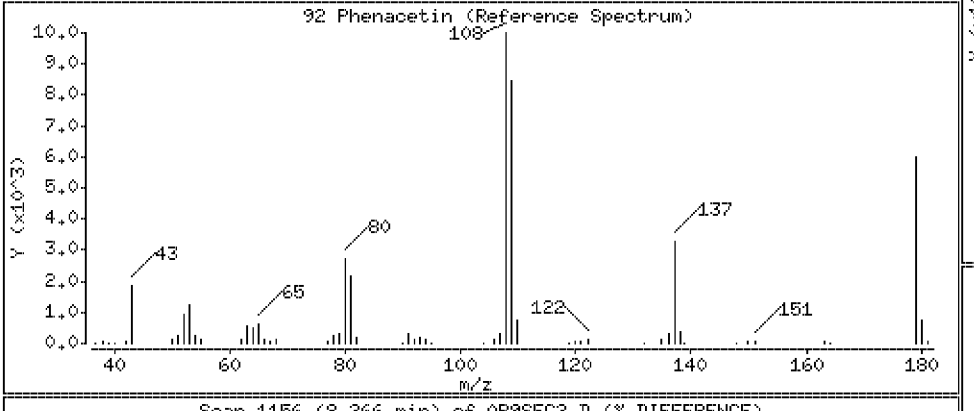
Concentration: 42.9 ug/l

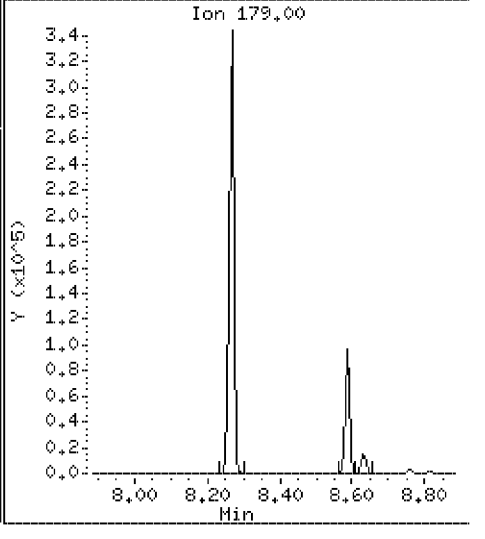


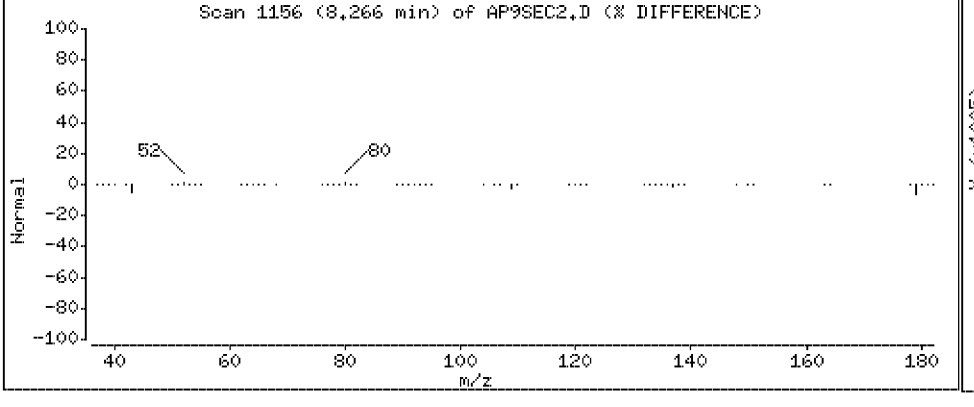












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

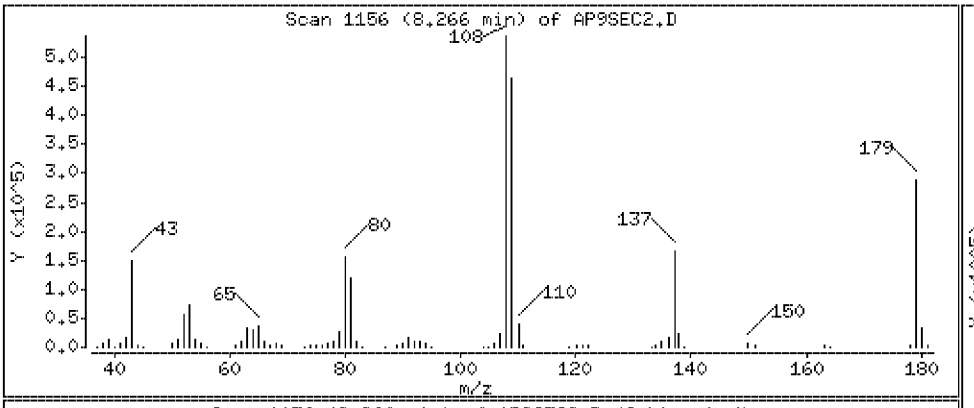
Operator: PEL

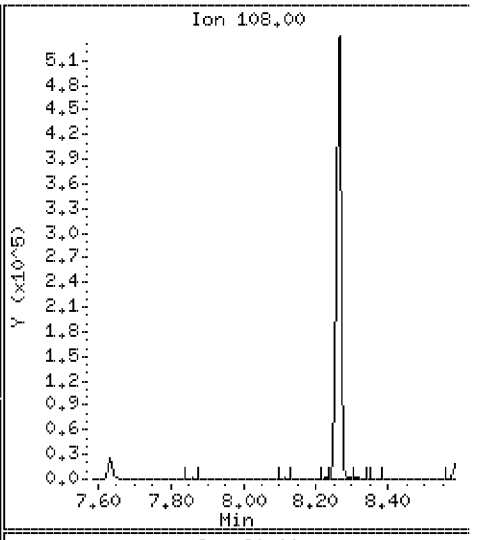
Column phase: HPMS-5

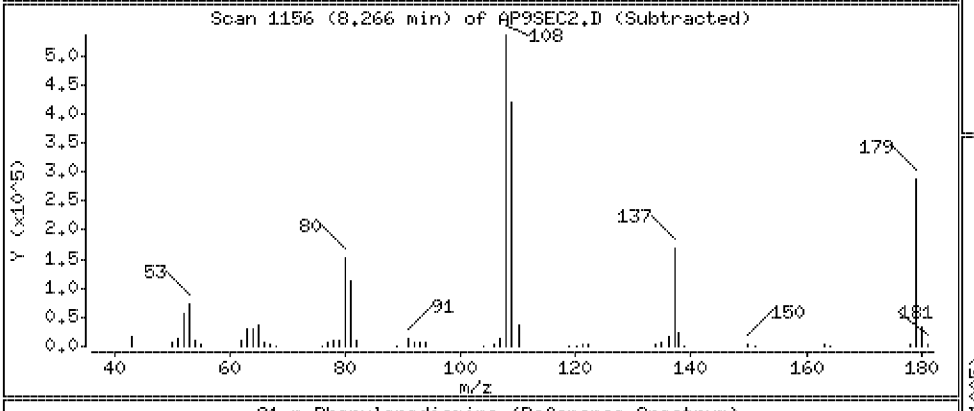
Column diameter: 0.25

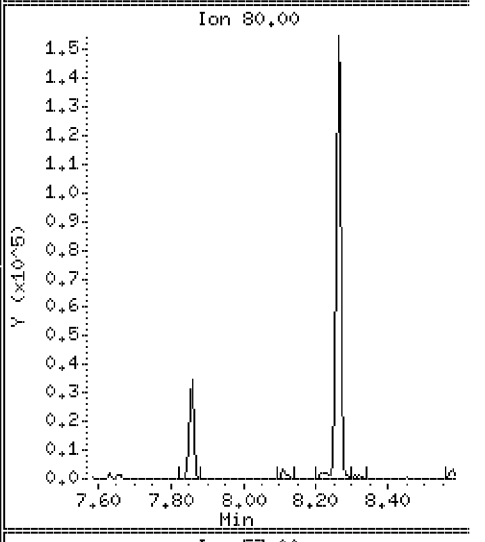
91 p-Phenylenediamine

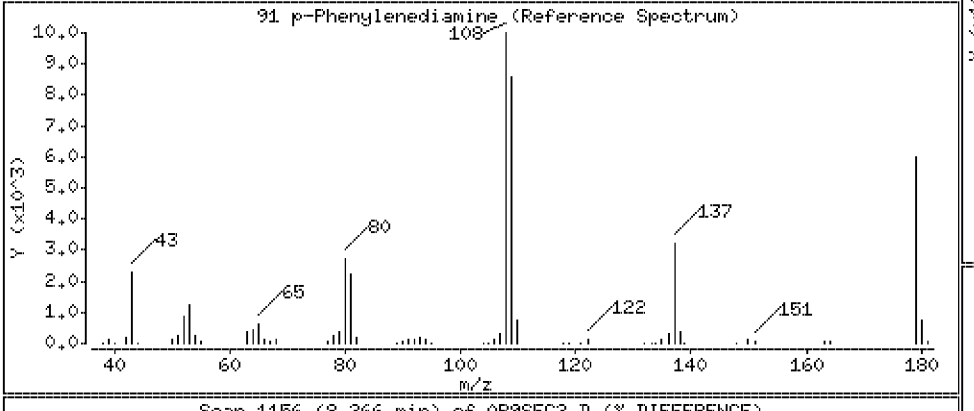
Concentration: 44.9 ug/l

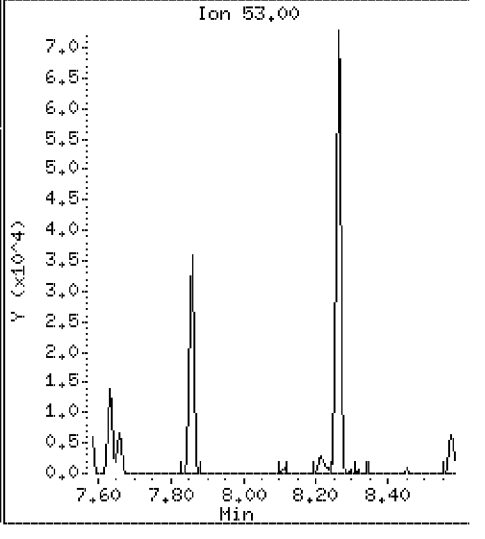


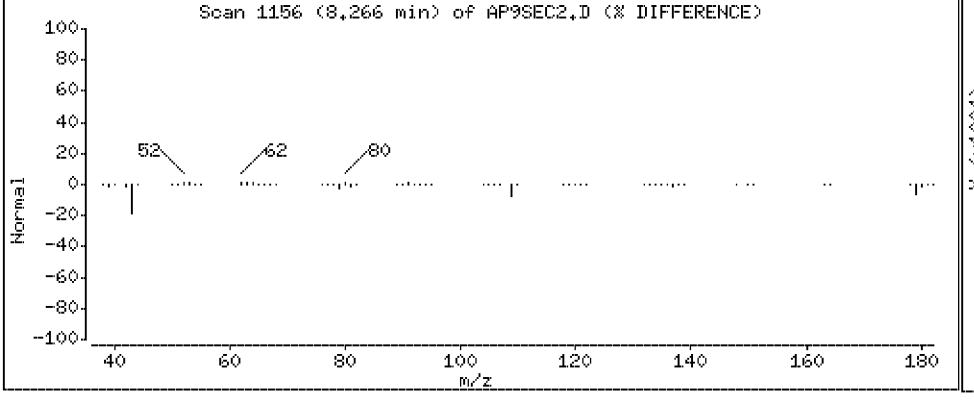












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

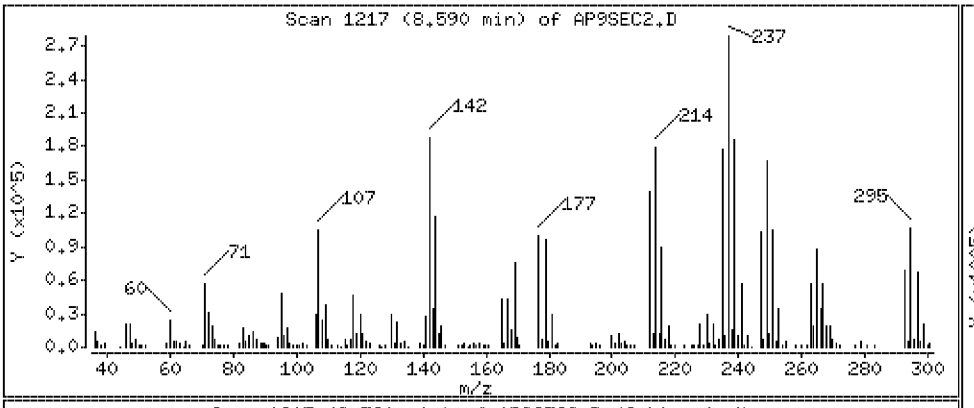
Operator: PEL

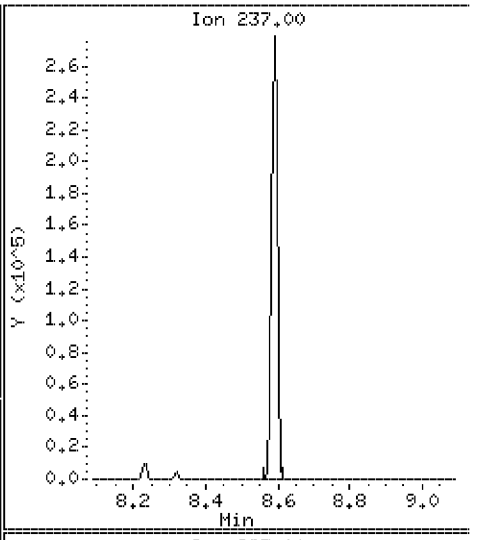
Column phase: HPMS-5

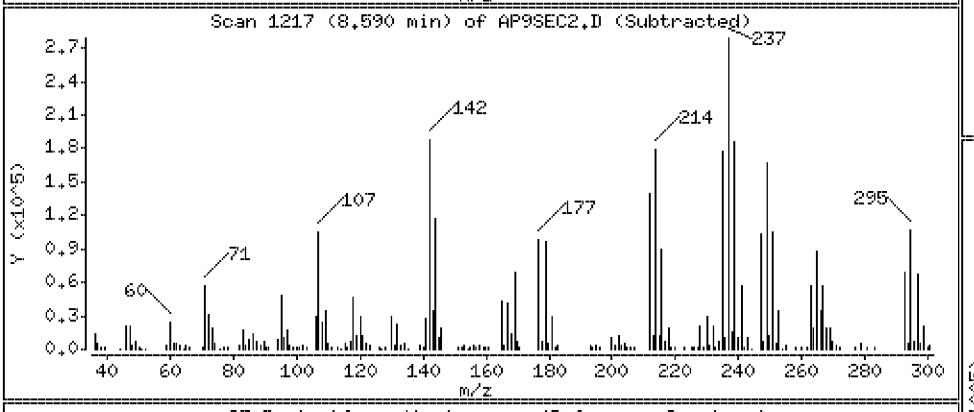
Column diameter: 0.25

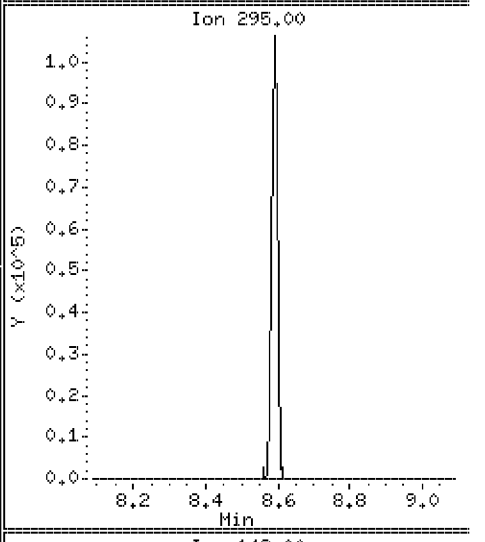
97 Pentachloronitrobenzene

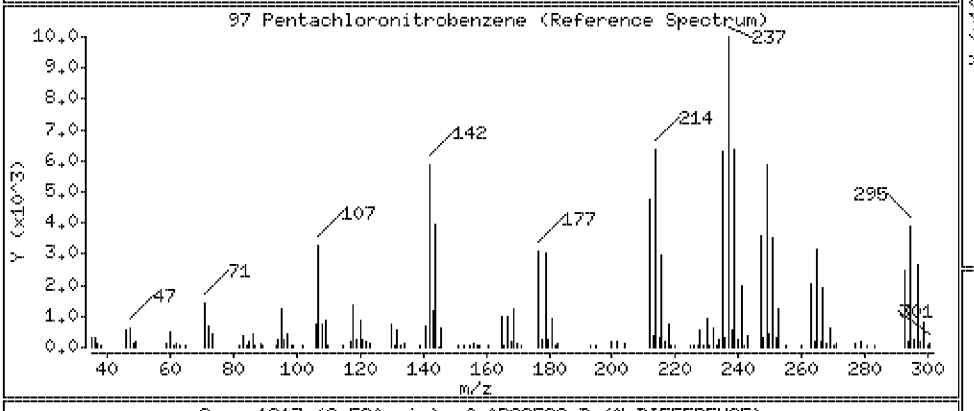
Concentration: 45.1 ug/l

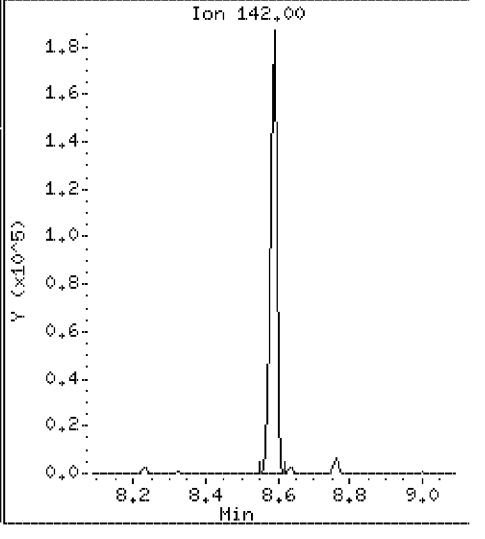


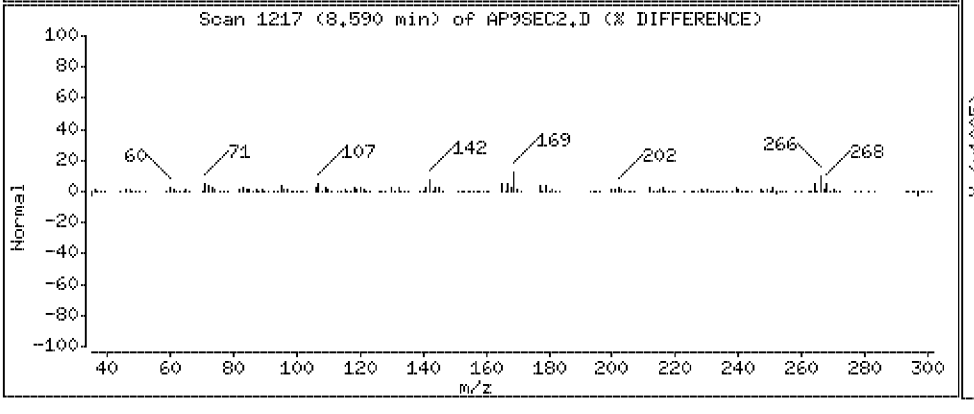












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

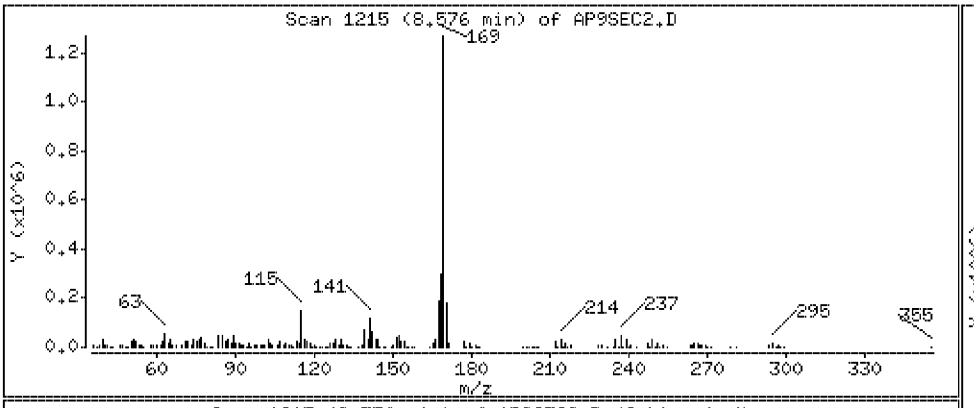
Operator: PEL

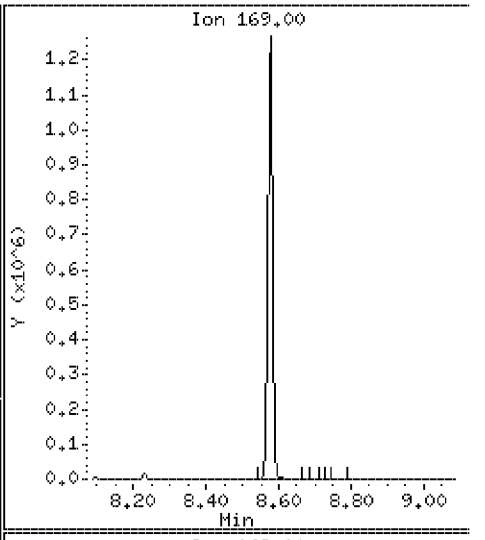
Column phase: HPMS-5

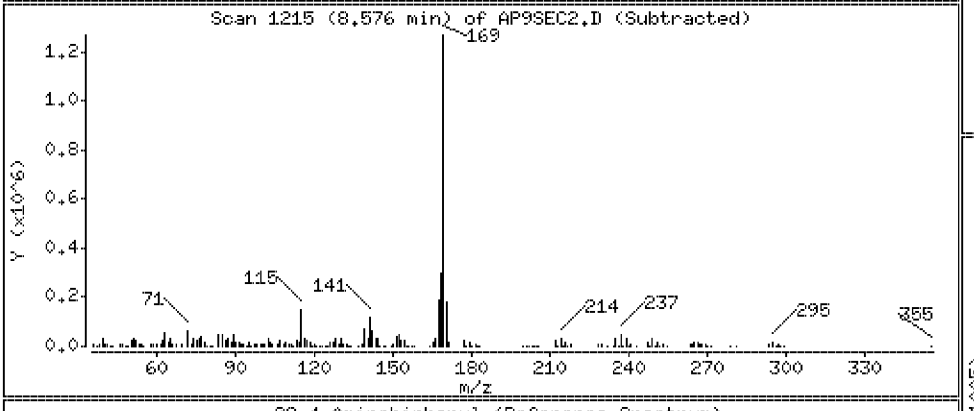
Column diameter: 0.25

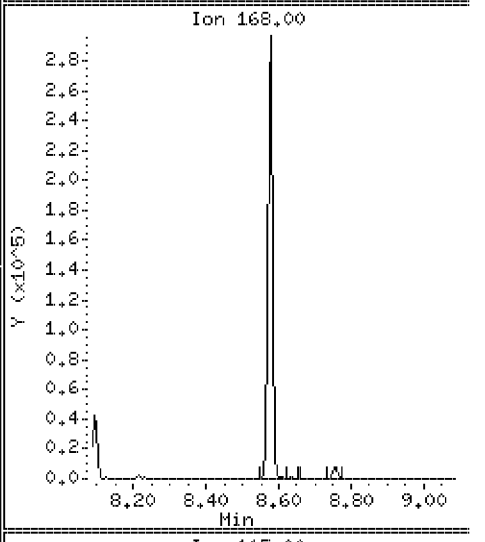
98 4-Aminobiphenyl

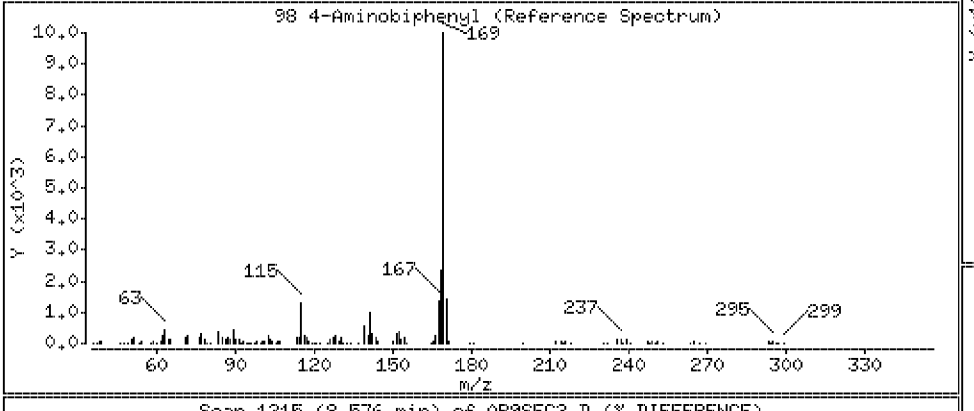
Concentration: 42.5 ug/l

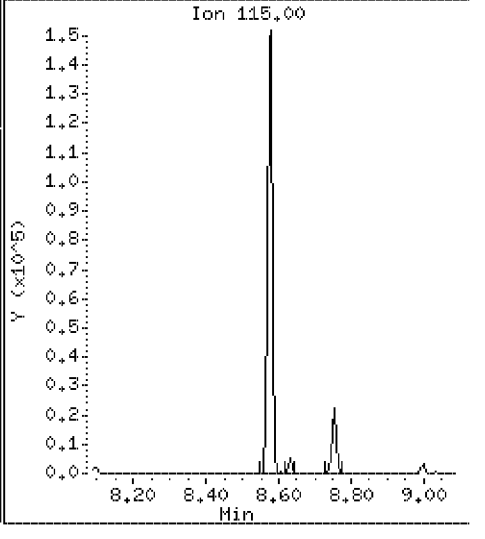


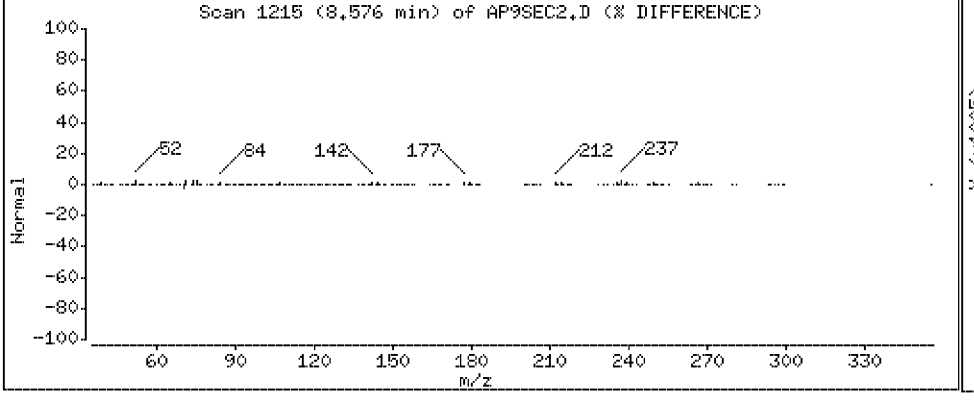












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

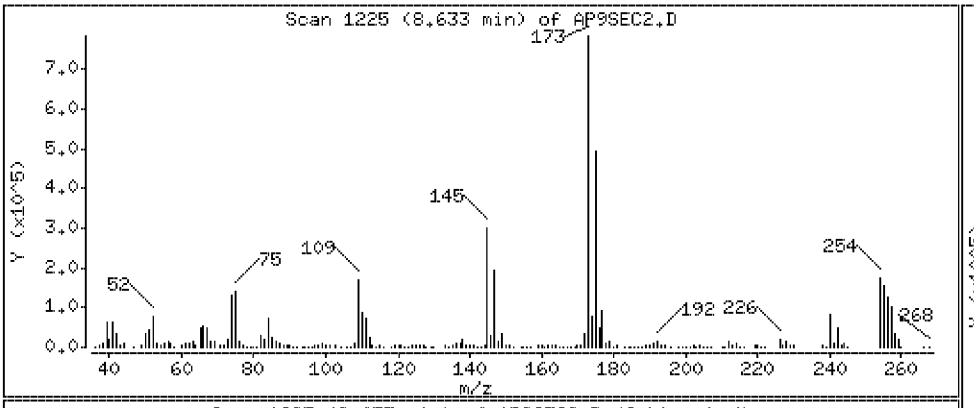
Operator: PEL

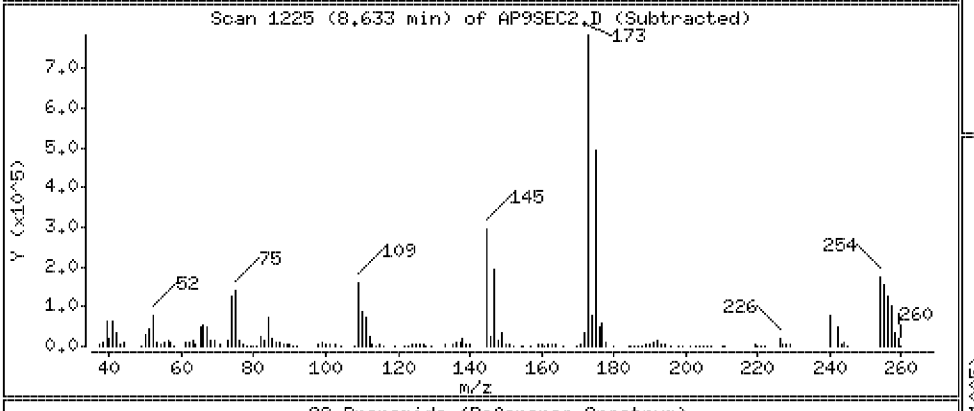
Column phase: HPMS-5

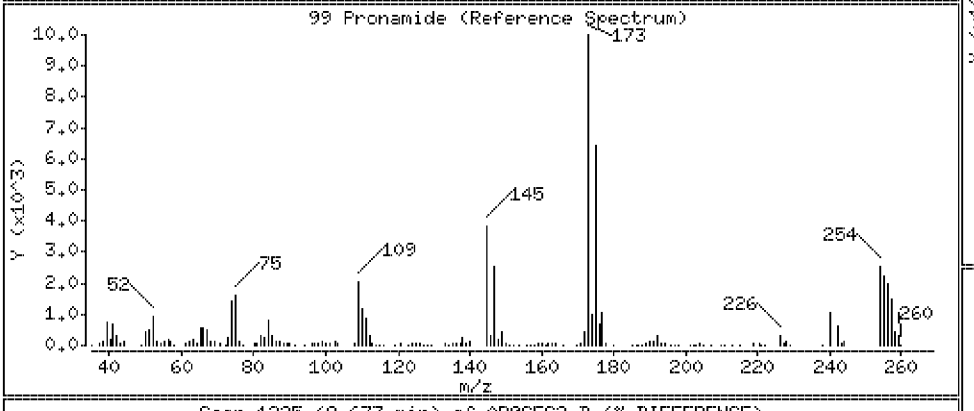
Column diameter: 0.25

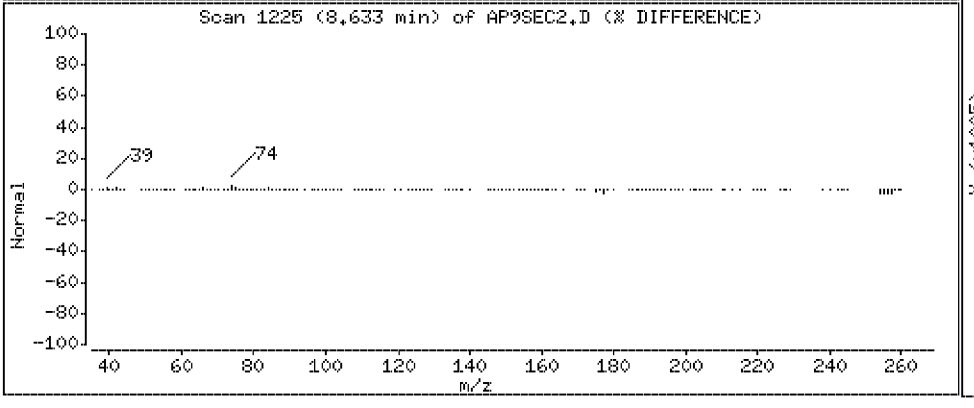
99 Pronamide

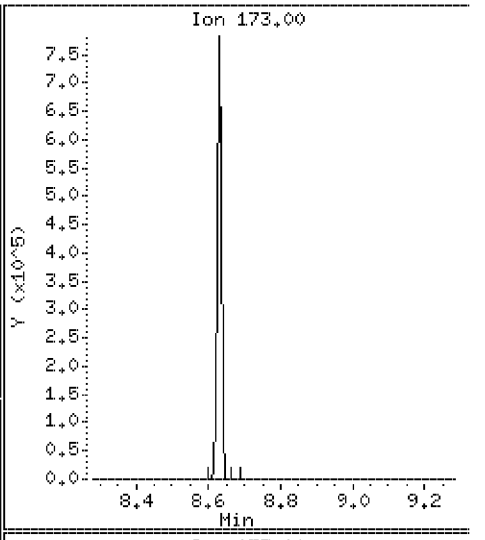
Concentration: 46.1 ug/l

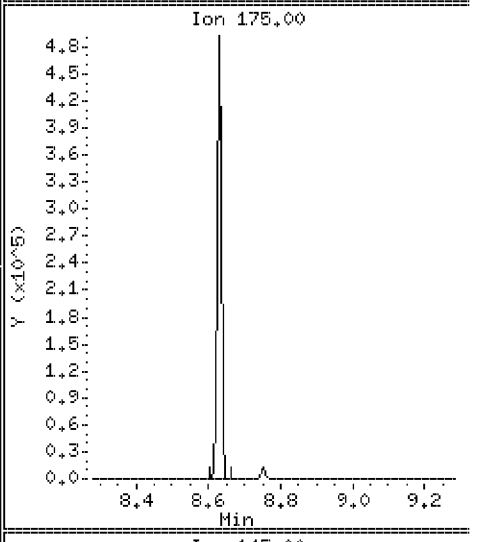


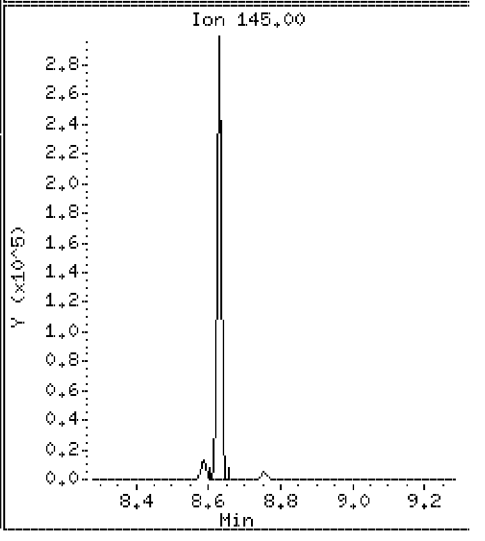












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

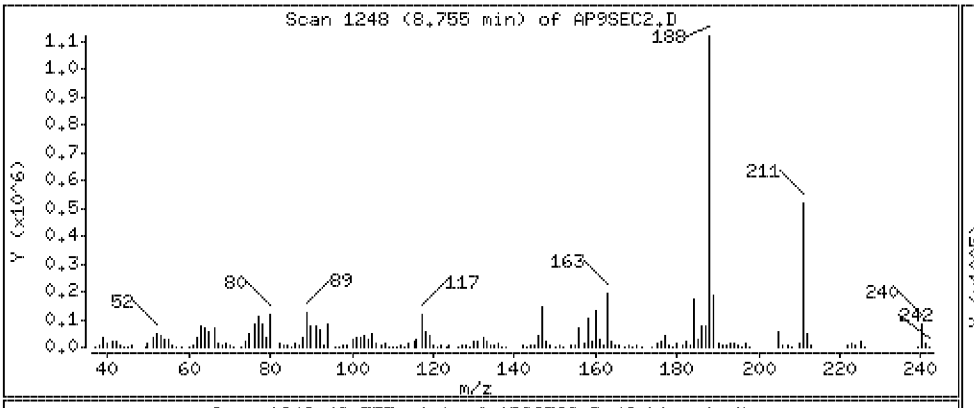
Operator: PEL

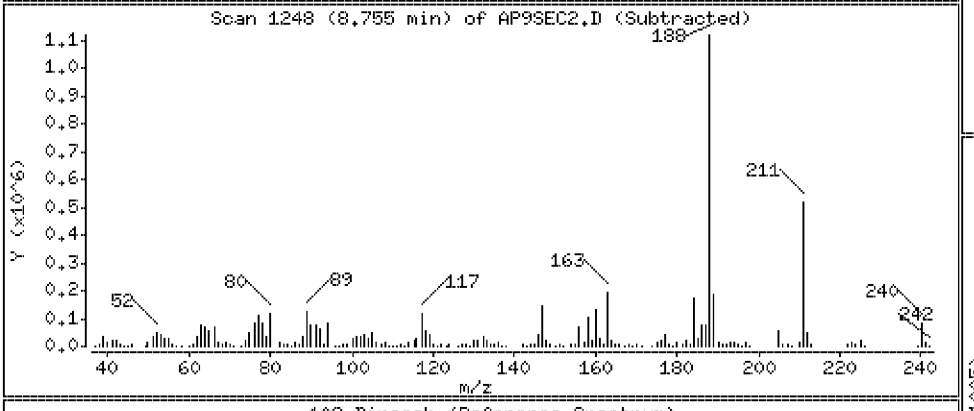
Column phase: HPMS-5

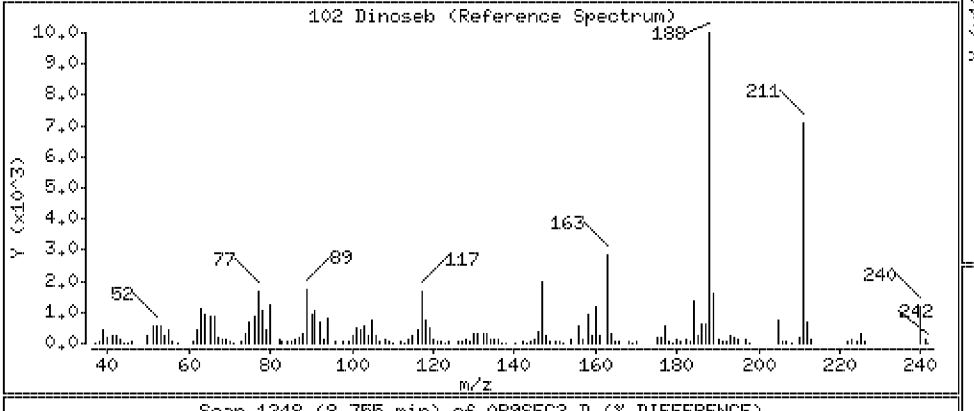
Column diameter: 0.25

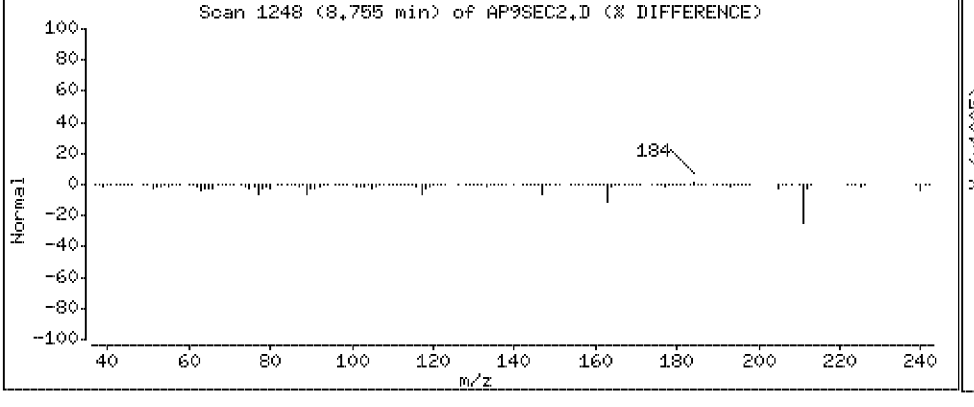
102 Dinoseb

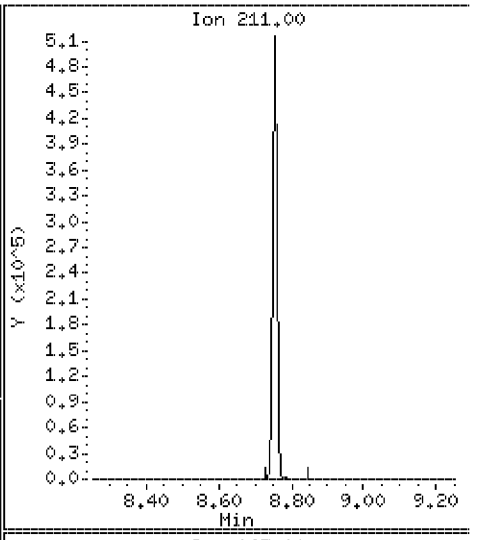
Concentration: 46.2 ug/l

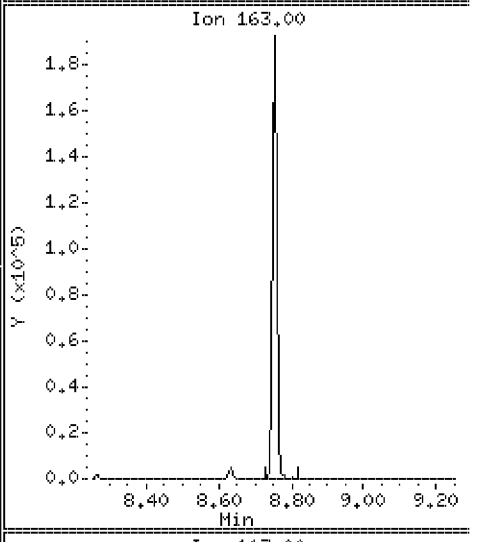


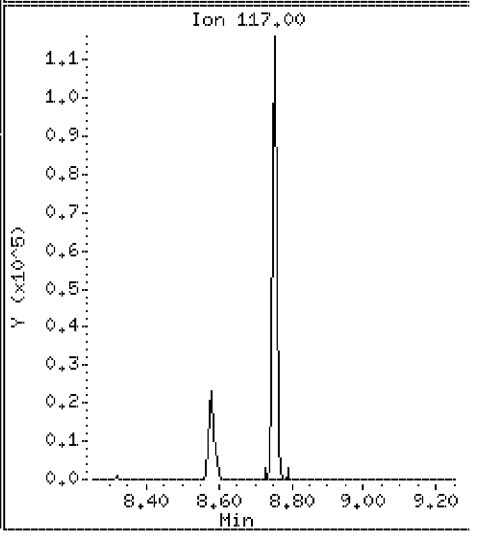












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

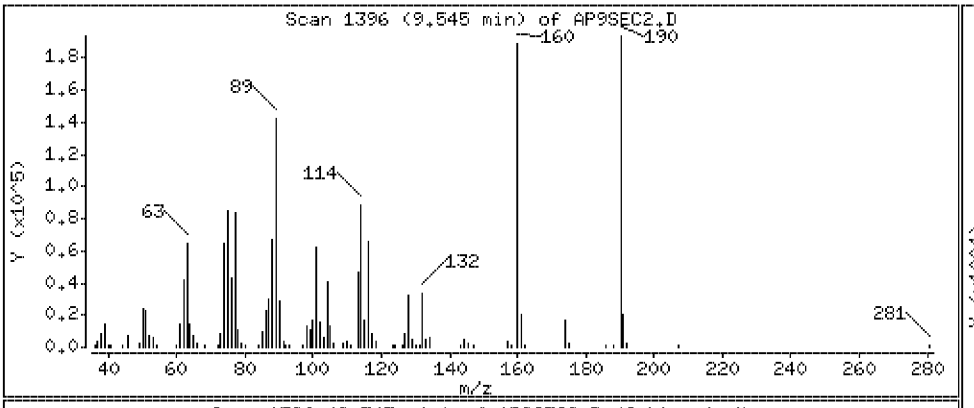
Operator: PEL

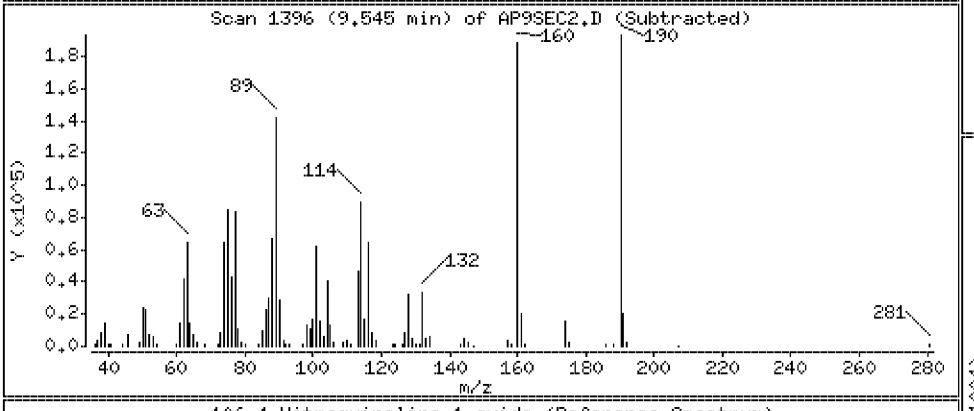
Column phase: HPMS-5

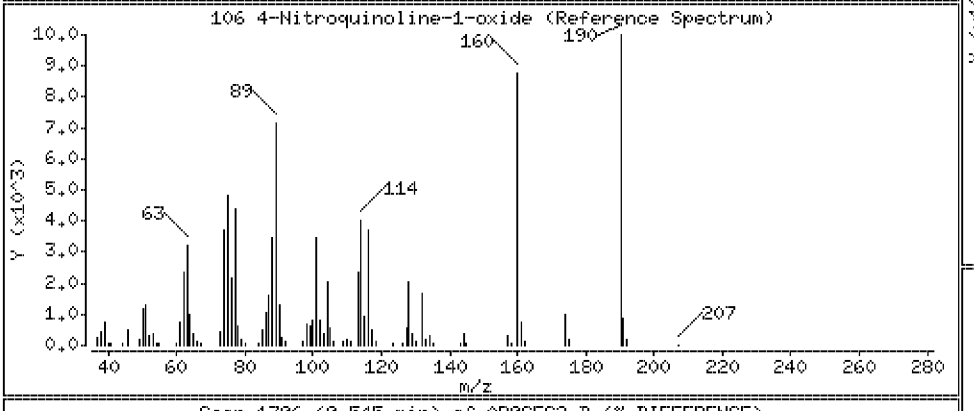
Column diameter: 0.25

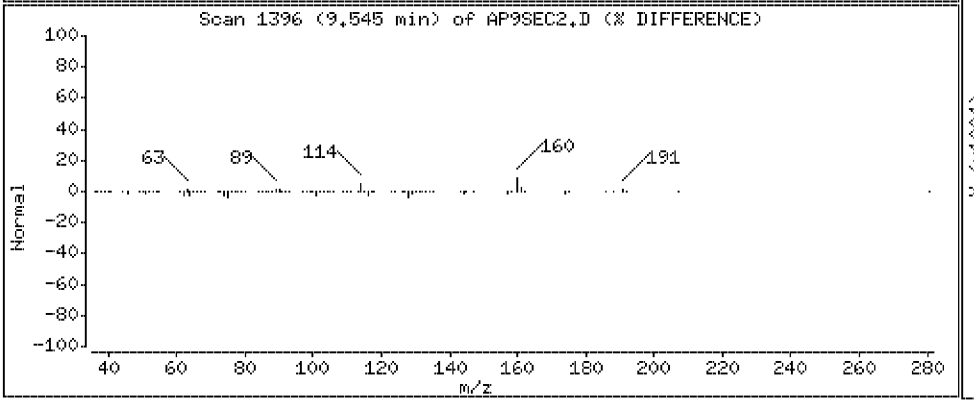
106 4-Nitroquinoline-1-oxide

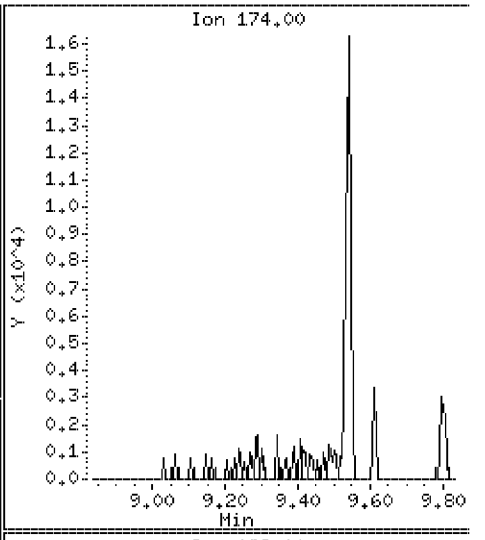
Concentration: 42.8 ug/l

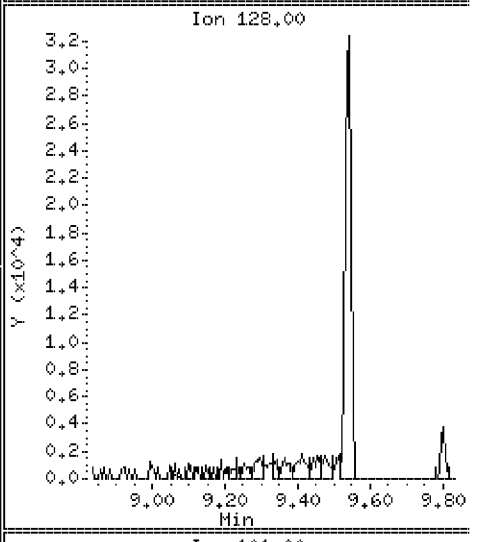


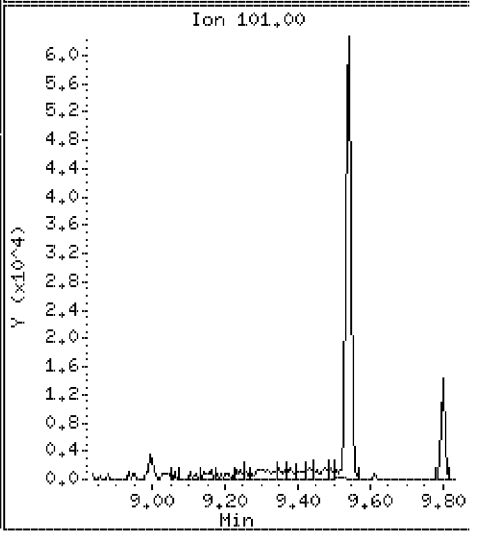












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

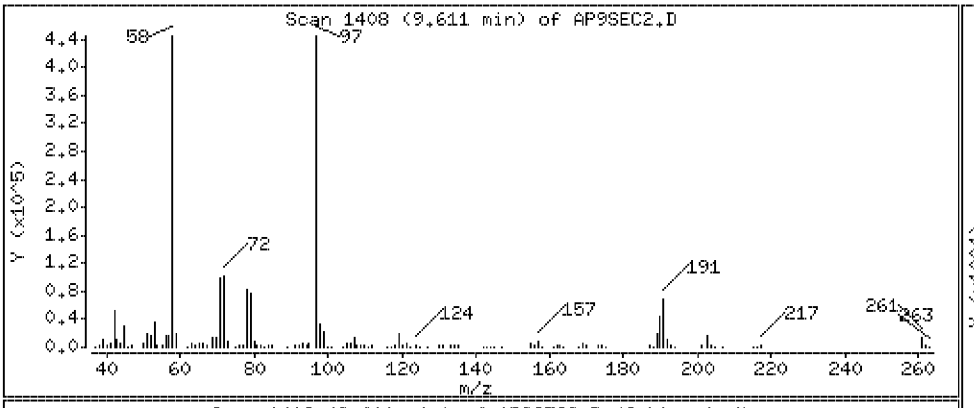
Operator: PEL

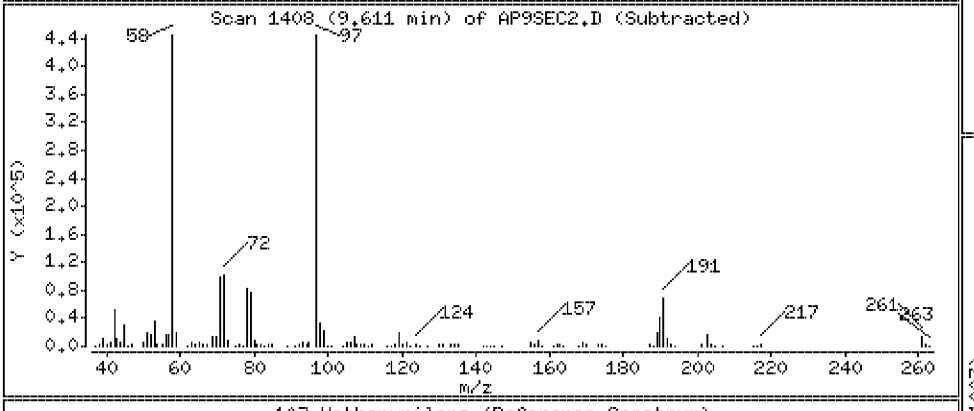
Column phase: HPMS-5

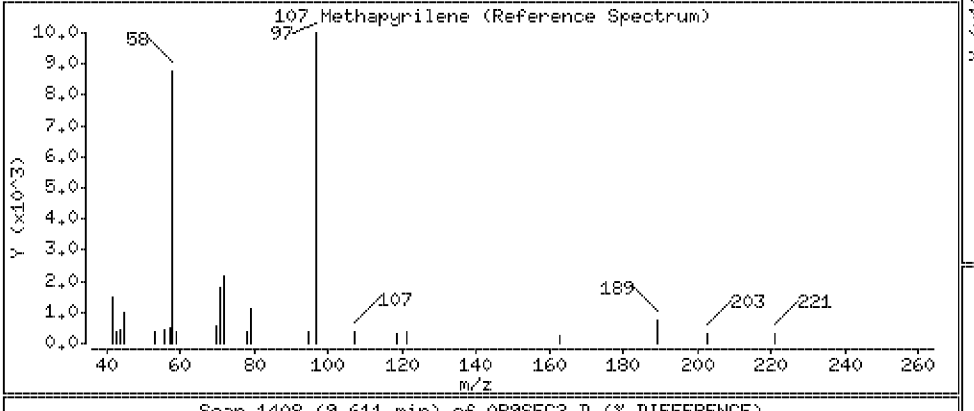
Column diameter: 0.25

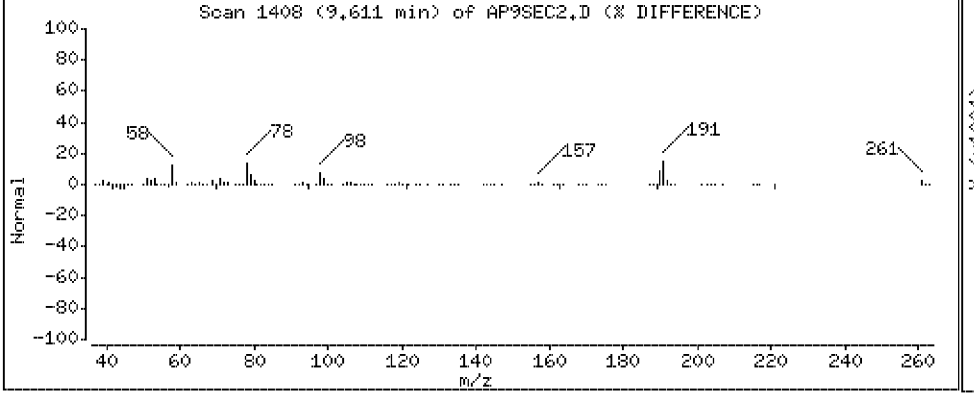
107 Methapyrilene

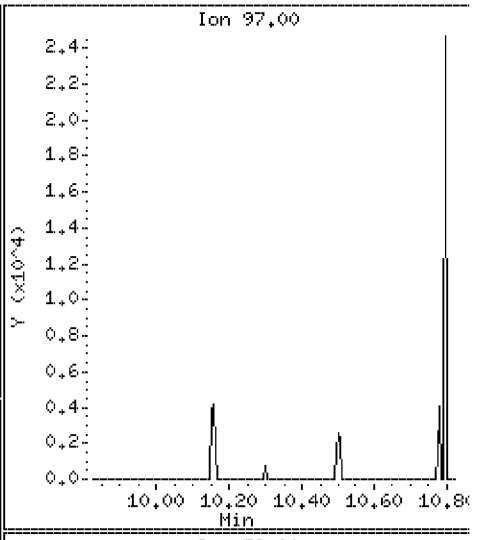
Concentration: 686 ug/l

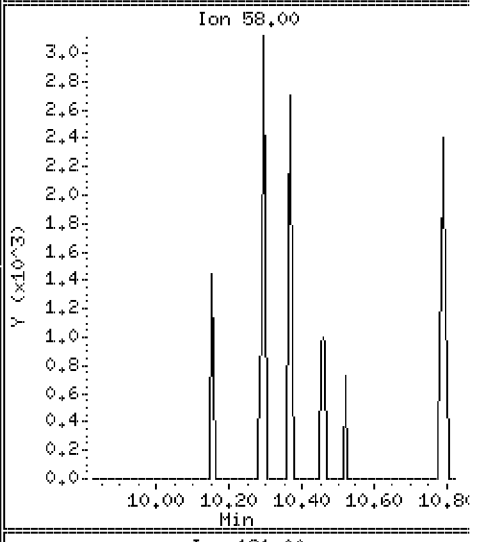


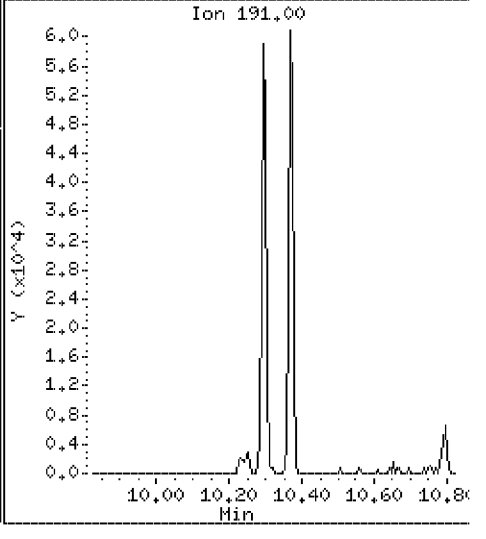












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

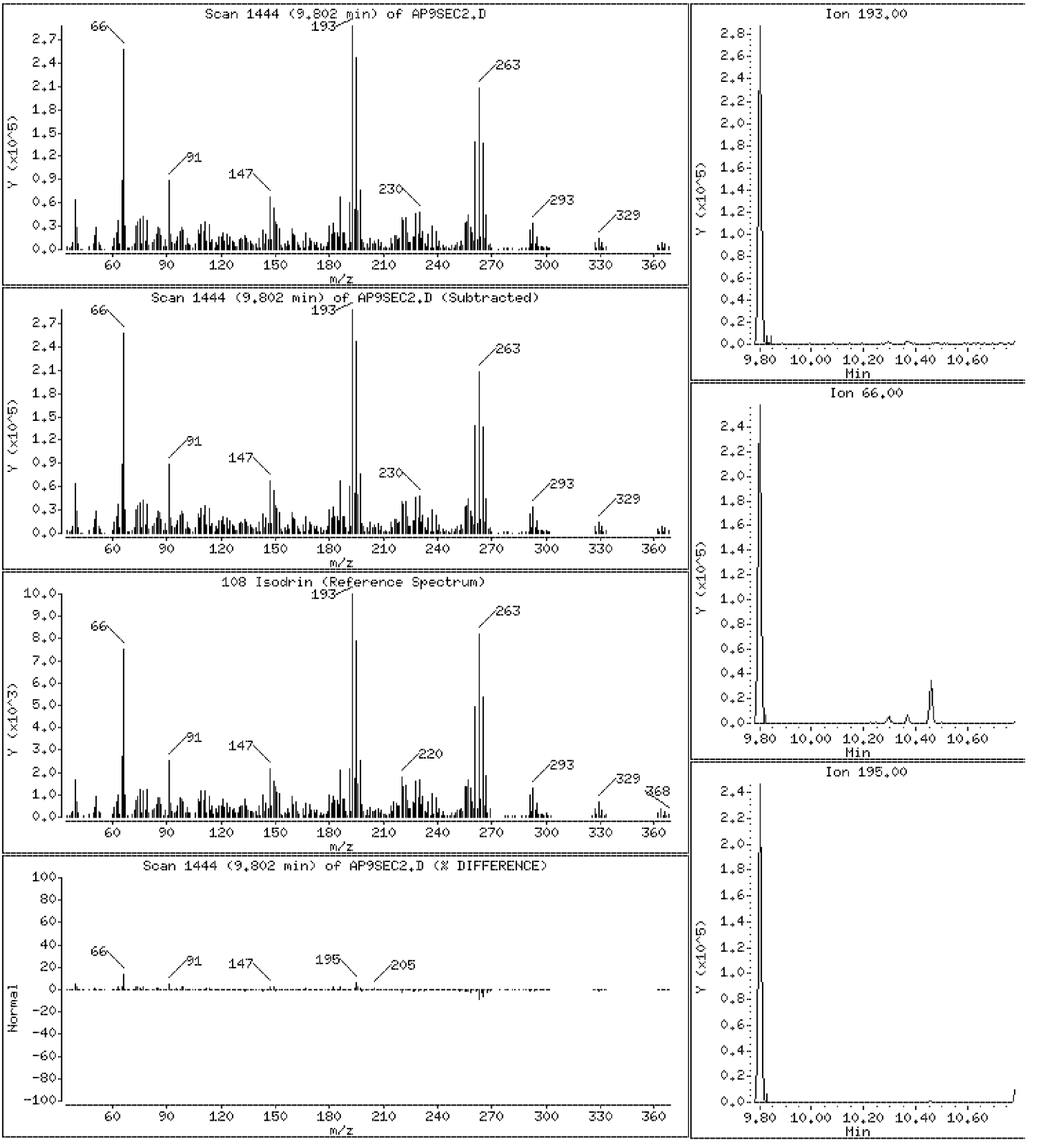
Operator: PEL

Column phase: HPMS-5

Column diameter: 0.25

108 Isodrin

Concentration: 48.0 ug/l



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Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

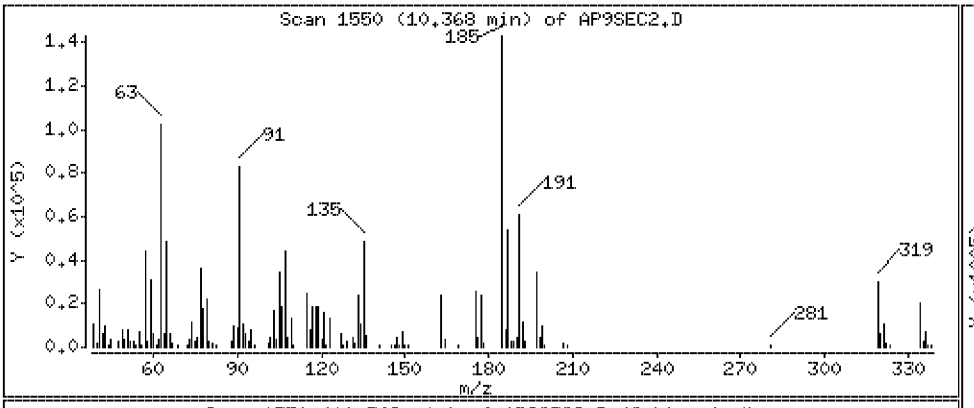
Operator: PEL

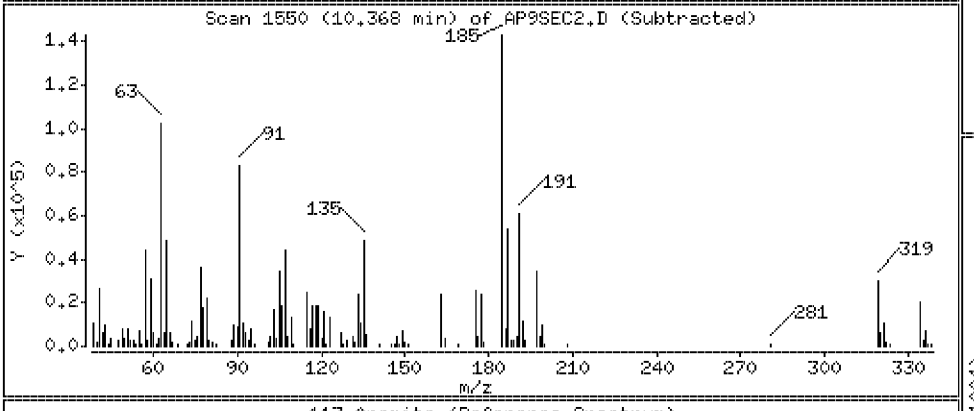
Column phase: HPMS-5

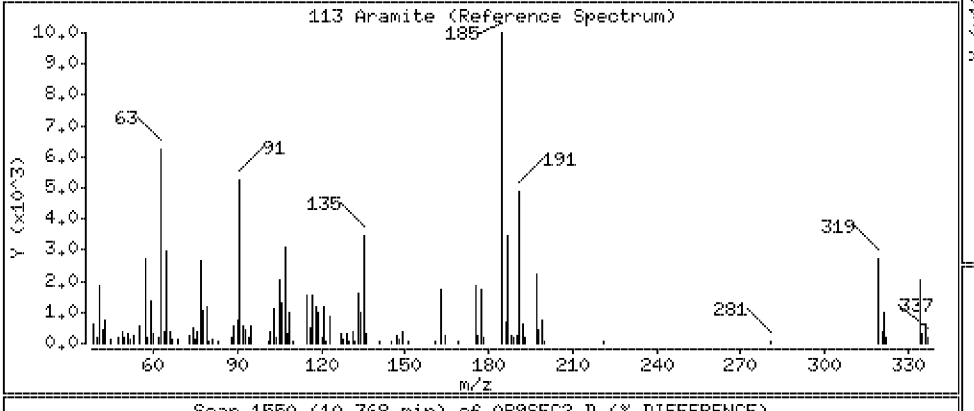
Column diameter: 0.25

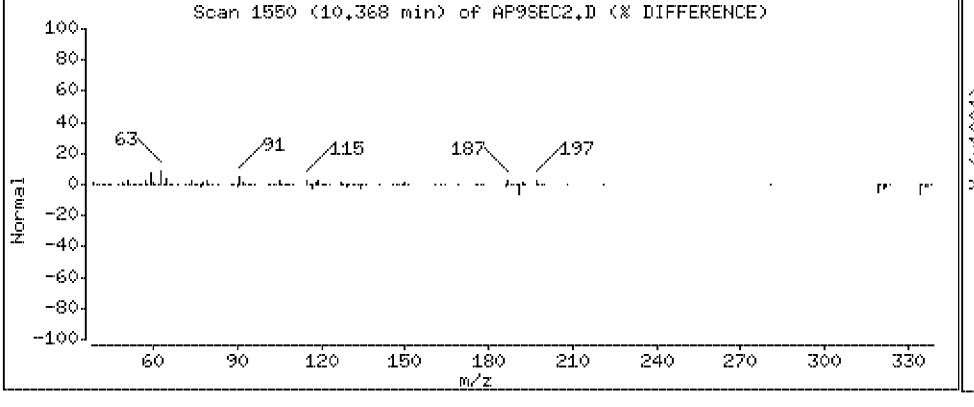
113 Aramite

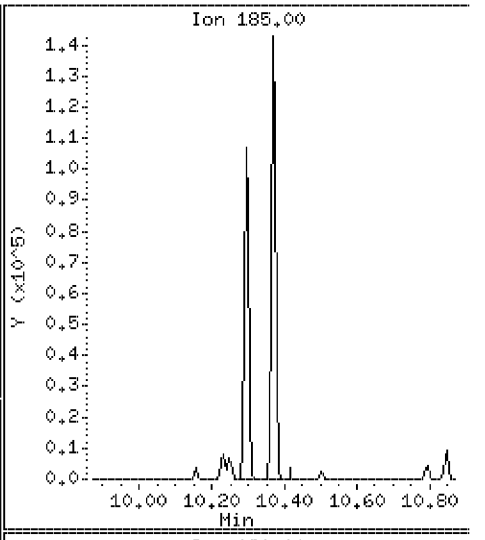
Concentration: 43.5 ug/l

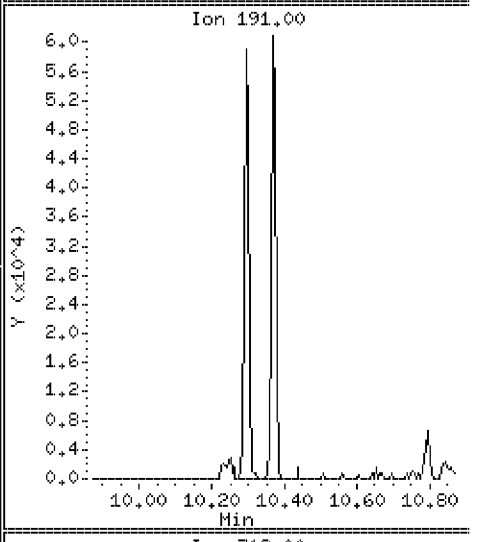


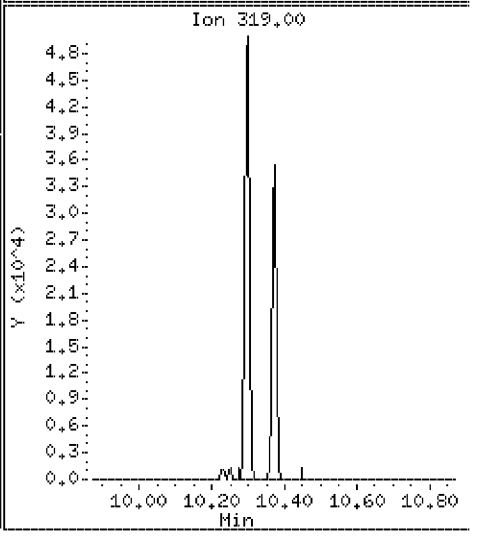












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

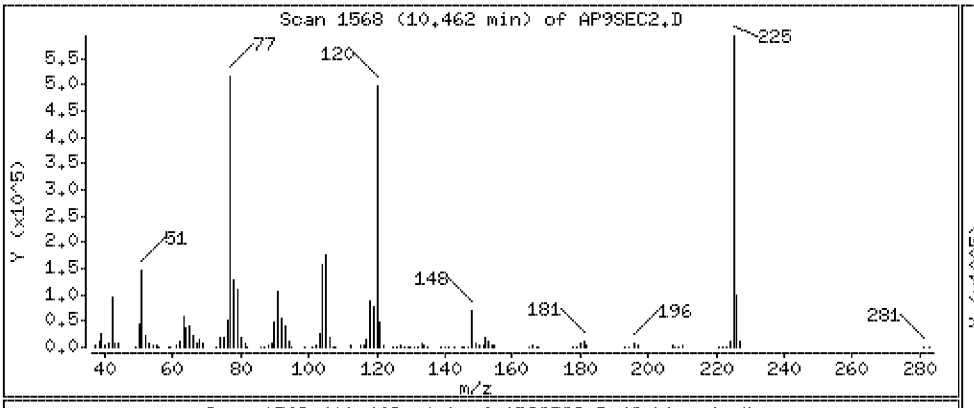
Operator: PEL

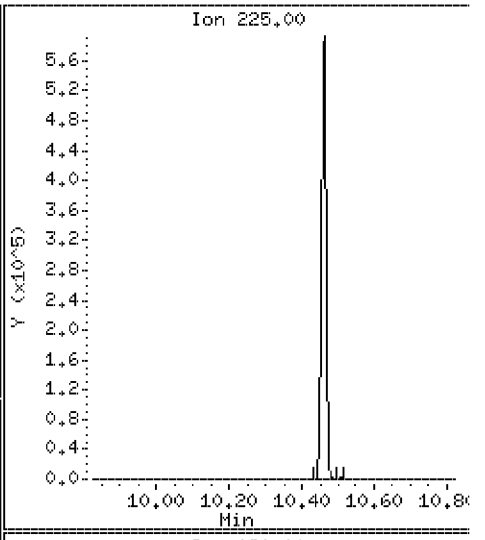
Column phase: HPMS-5

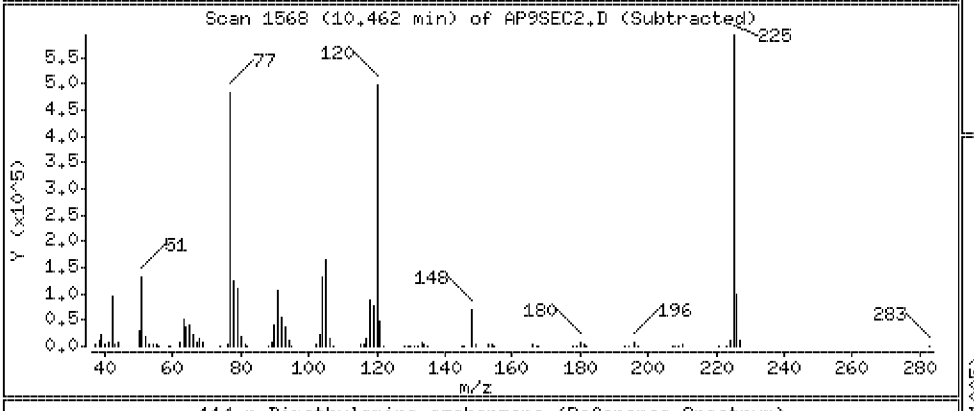
Column diameter: 0.25

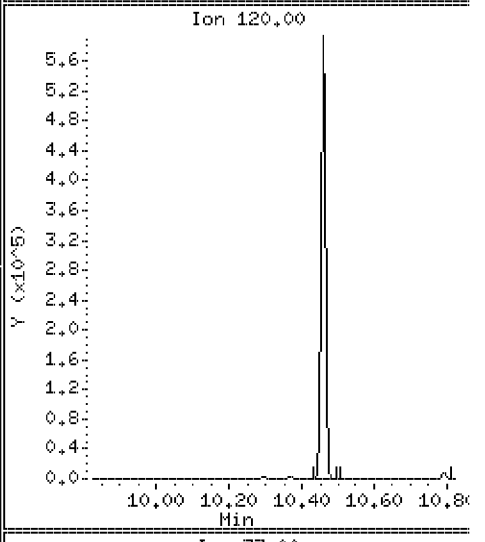
114 p-Dimethylamino azobenzene

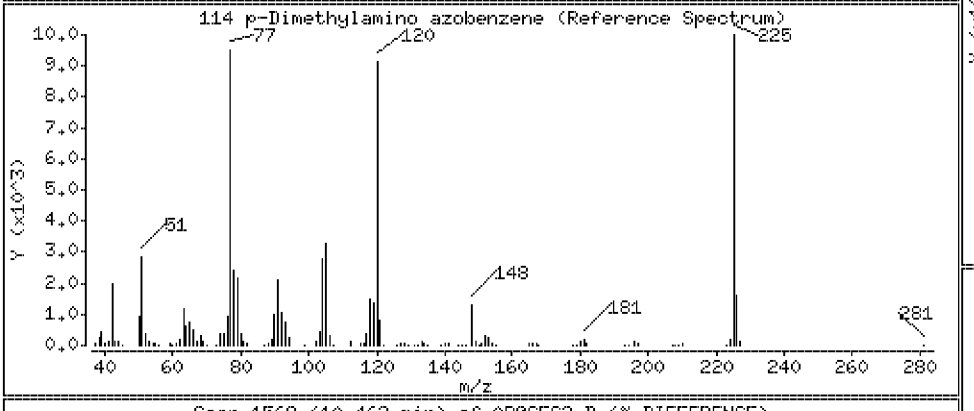
Concentration: 45.3 ug/l

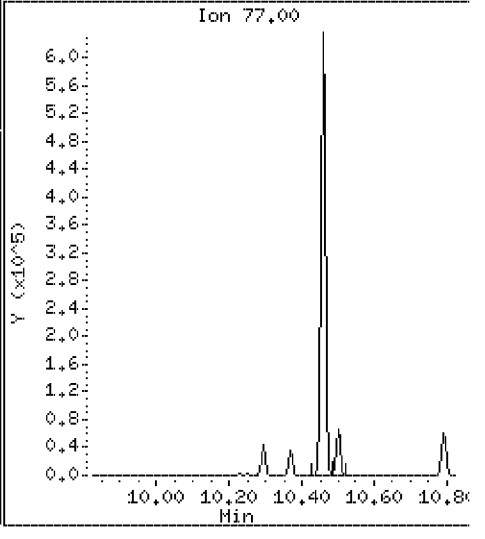


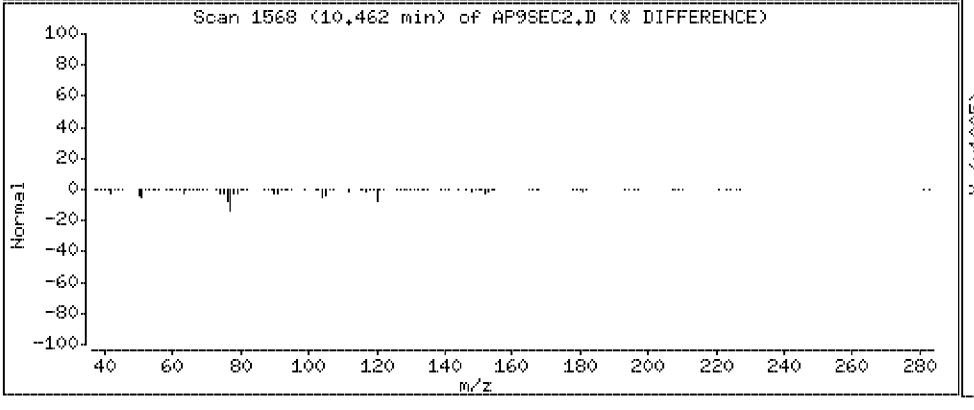












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

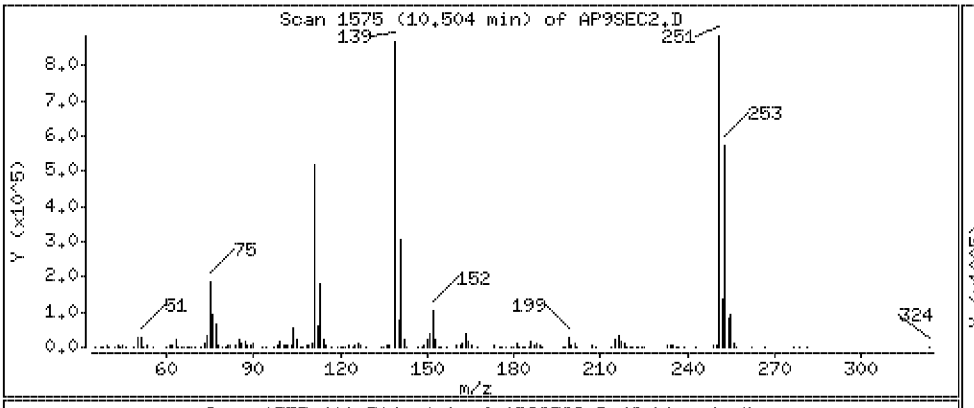
Operator: PEL

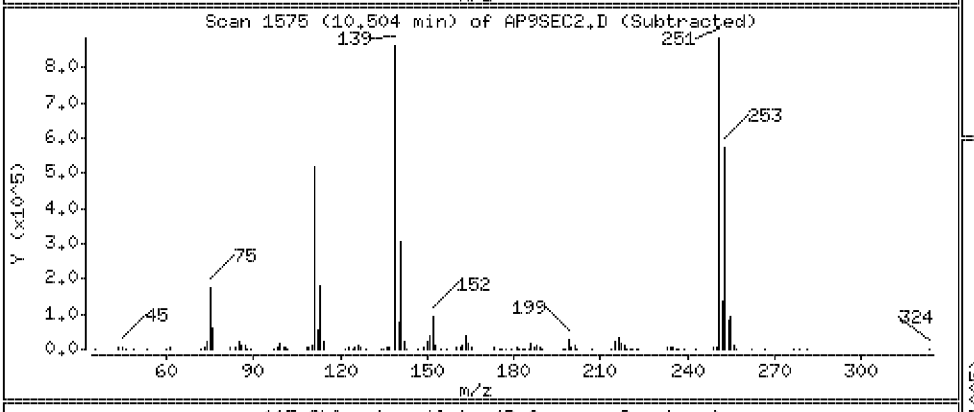
Column phase: HPMS-5

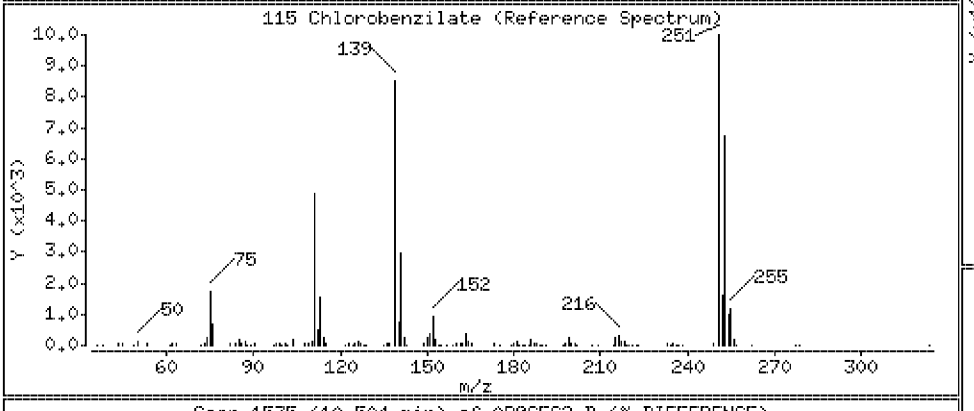
Column diameter: 0.25

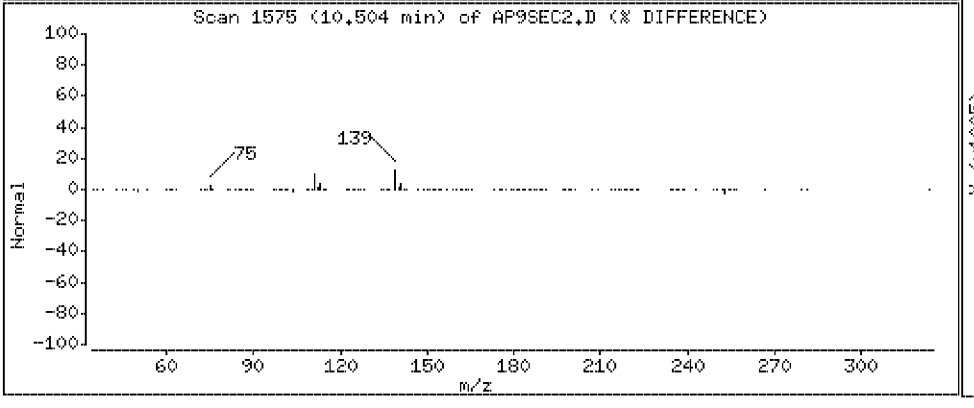
115 Chlorobenzilate

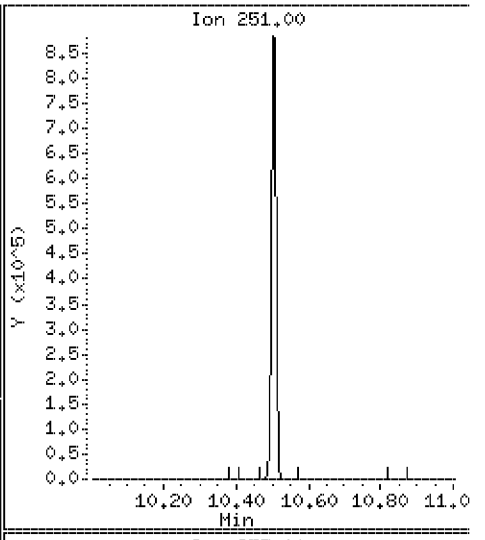
Concentration: 43.4 ug/l

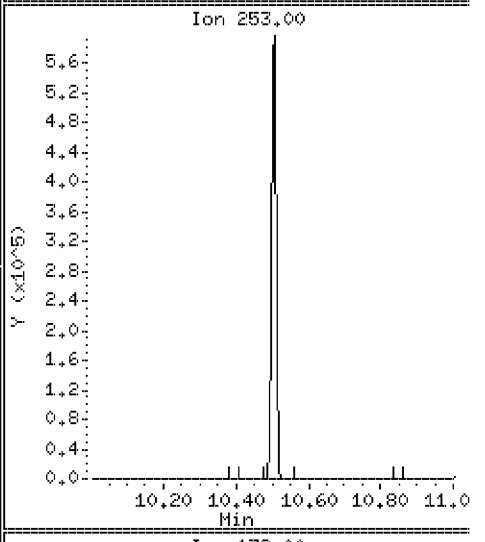


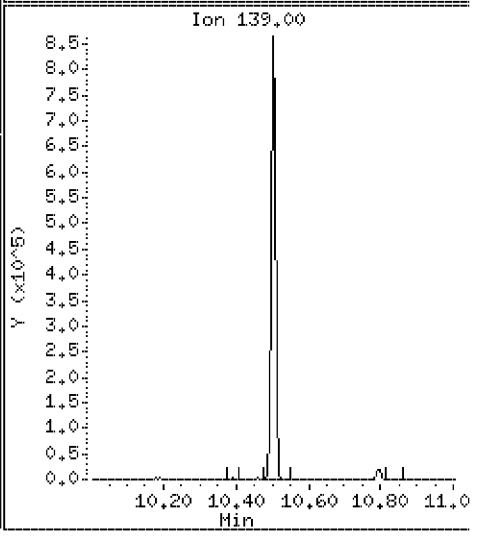












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Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

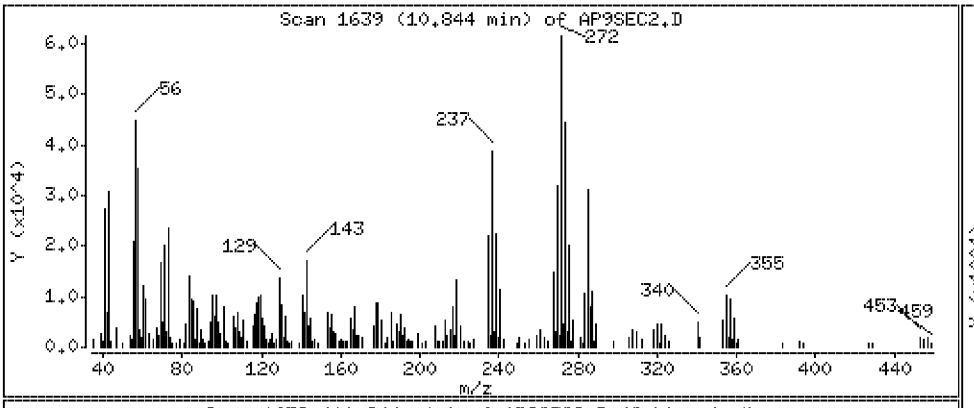
Operator: PEL

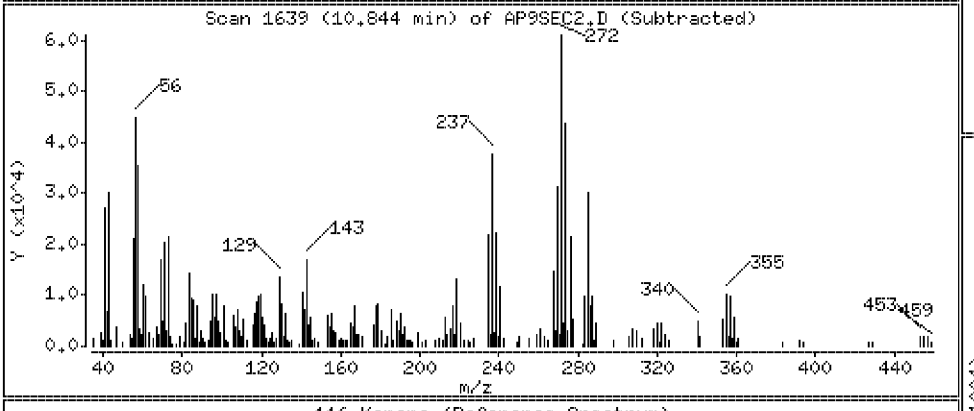
Column phase: HPMS-5

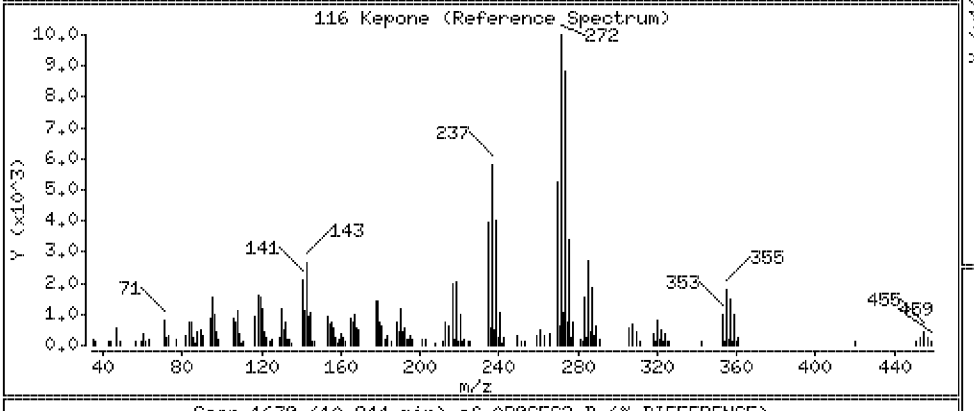
Column diameter: 0.25

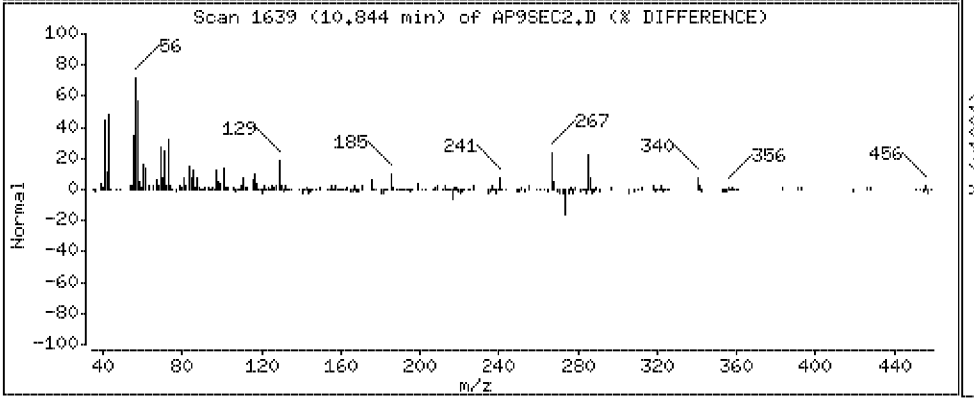
116 Kepone

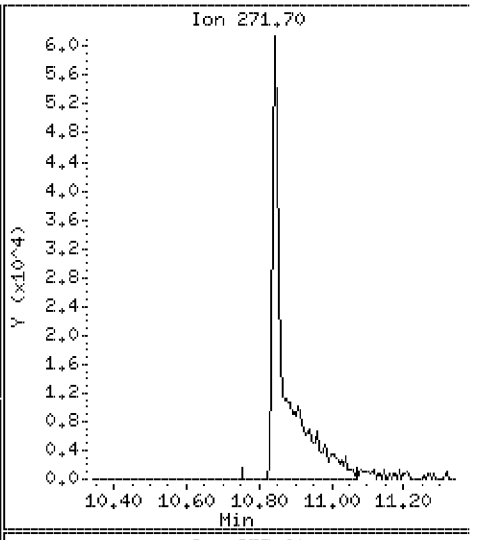
Concentration: 44.1 ug/l

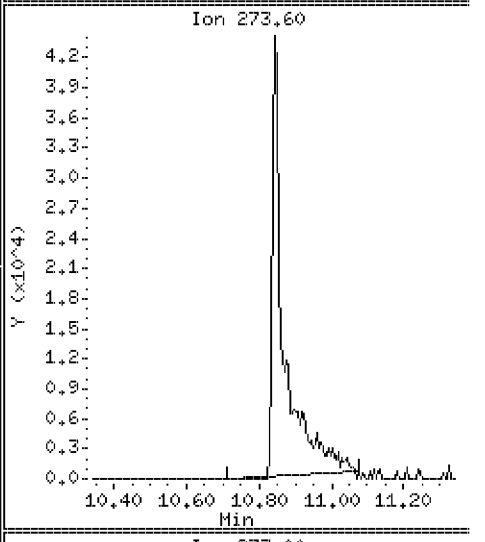


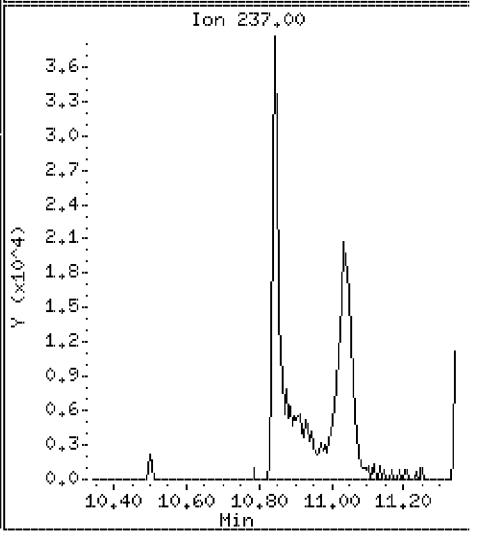












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

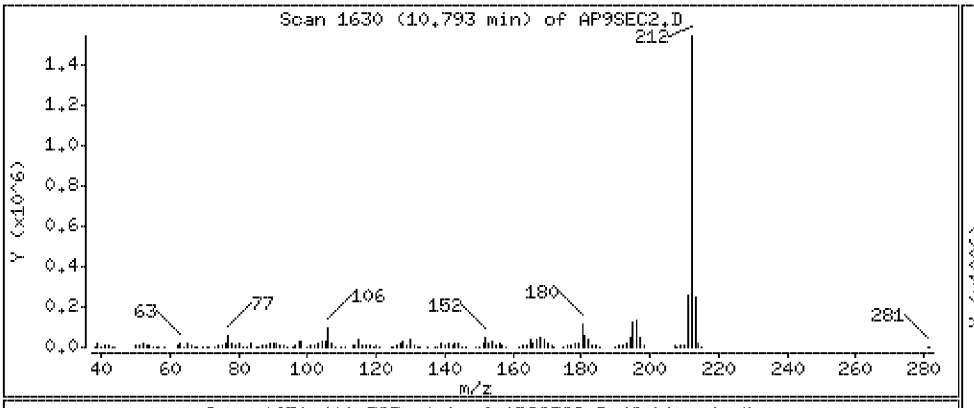
Operator: PEL

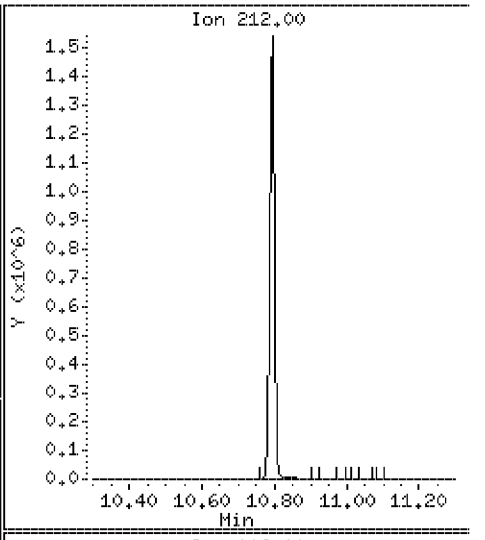
Column phase: HPMS-5

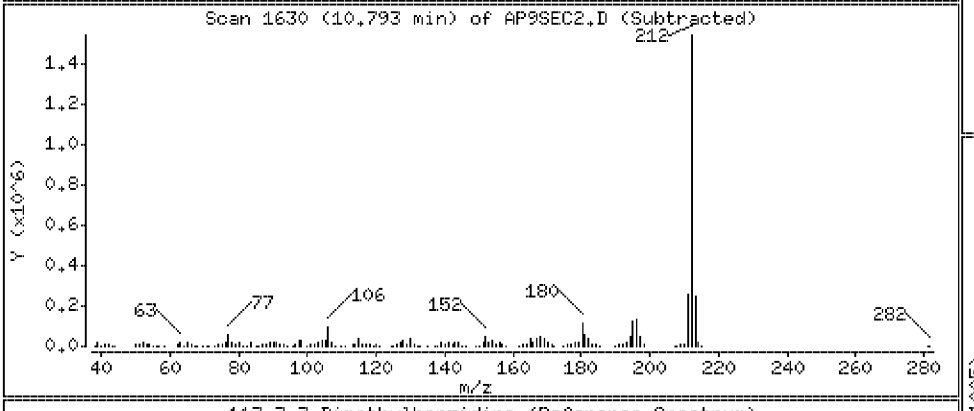
Column diameter: 0.25

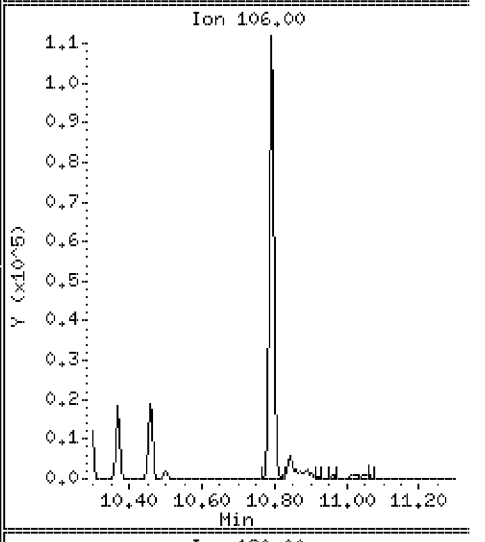
117 3,3-Dimethylbenzidine

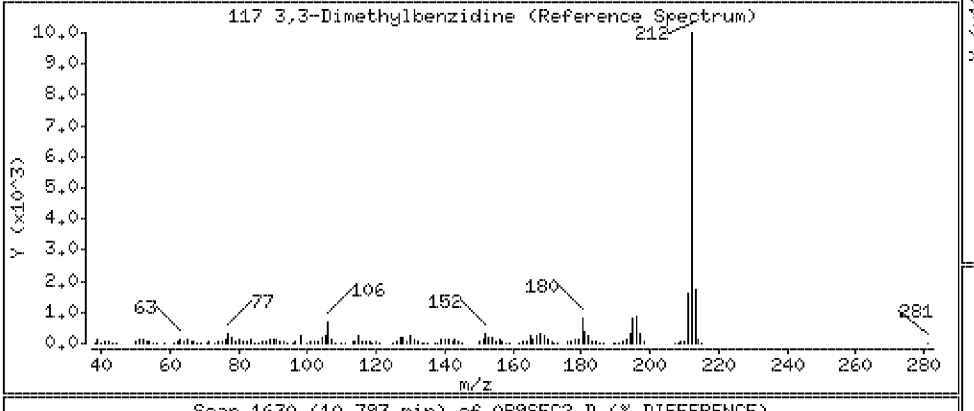
Concentration: 40.0 ug/l

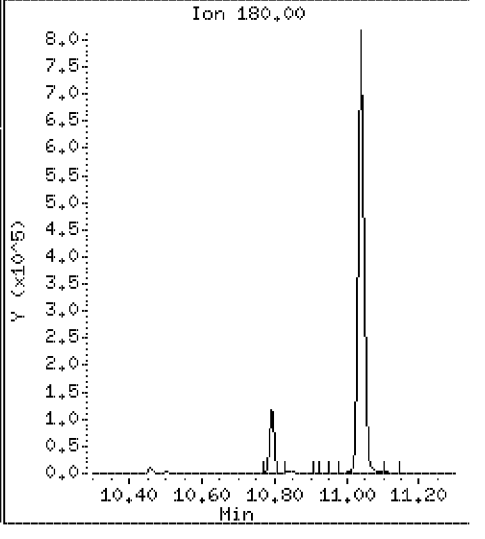


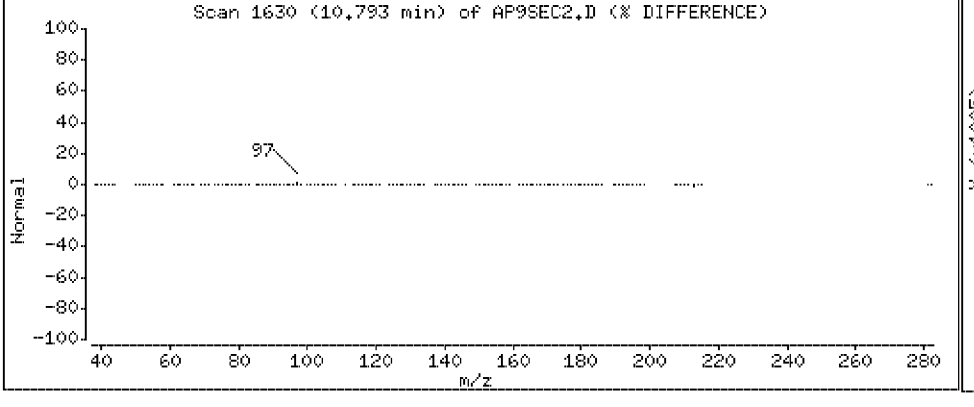












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

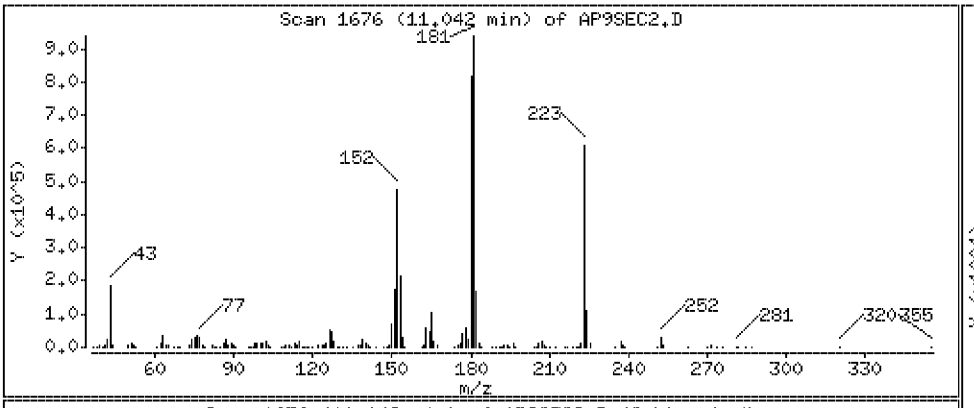
Operator: PEL

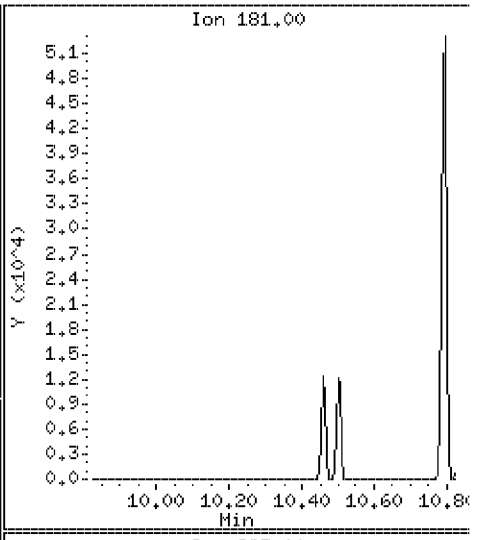
Column phase: HPMS-5

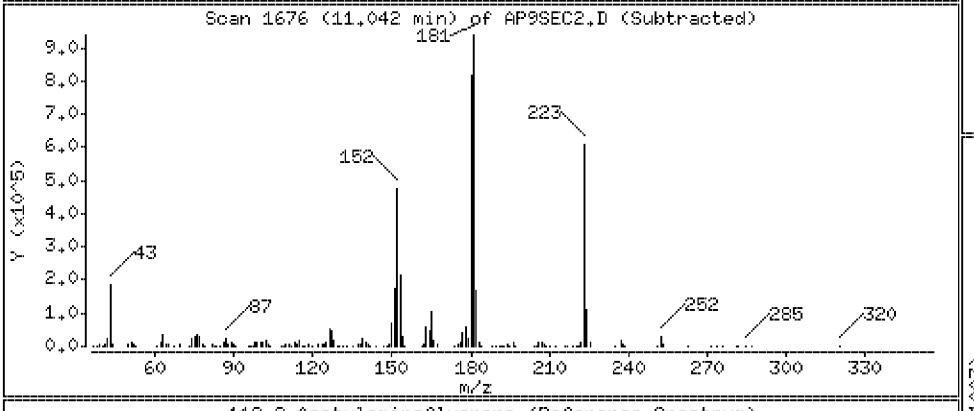
Column diameter: 0.25

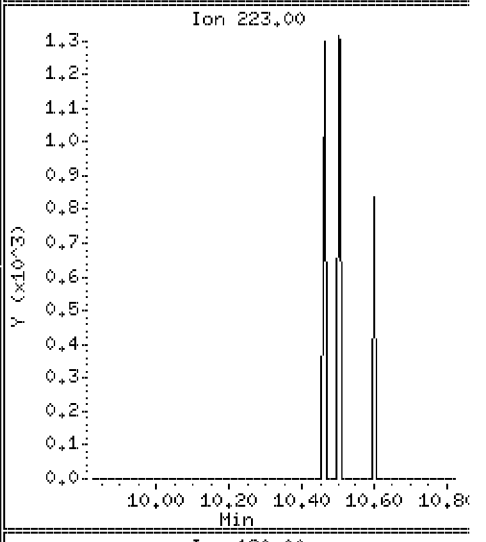
119 2-Acetylaminofluorene

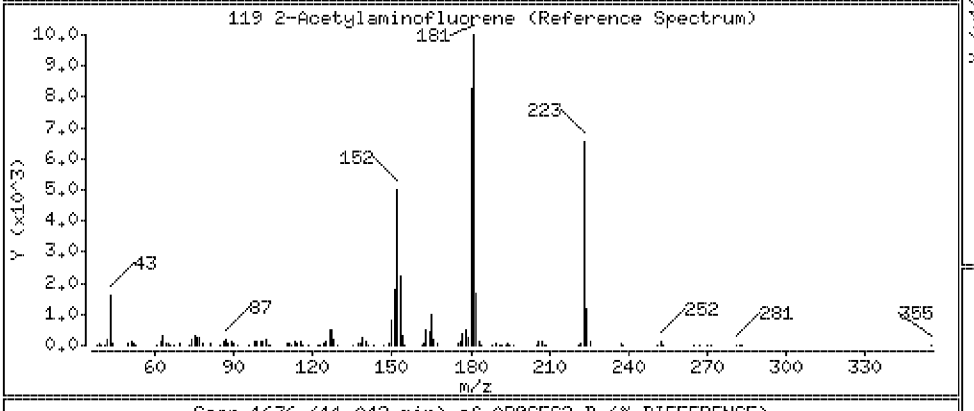
Concentration: 43.4 ug/l

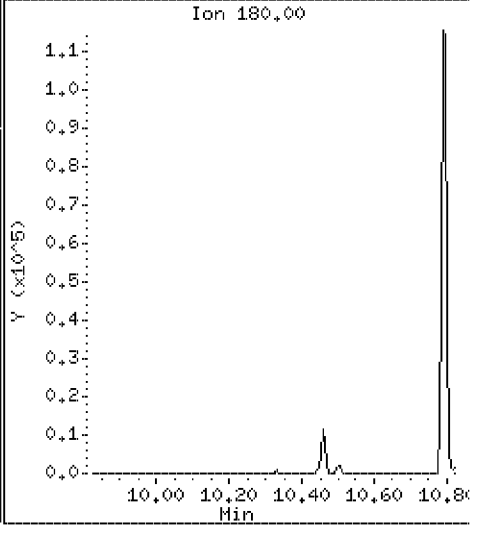


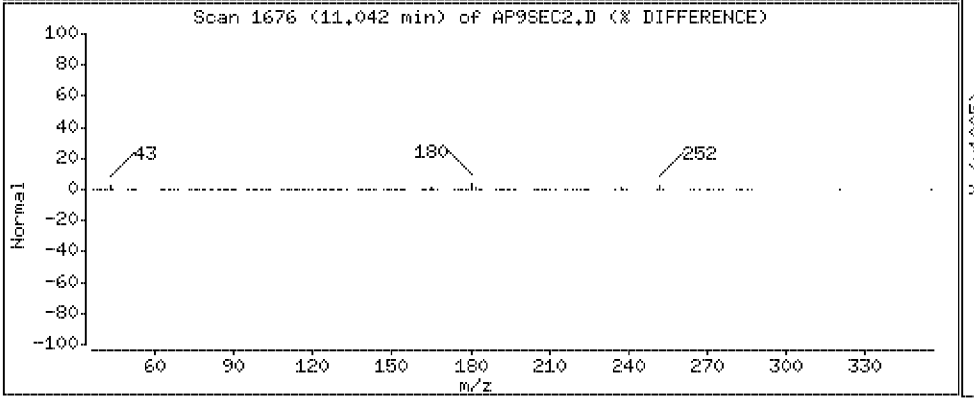












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

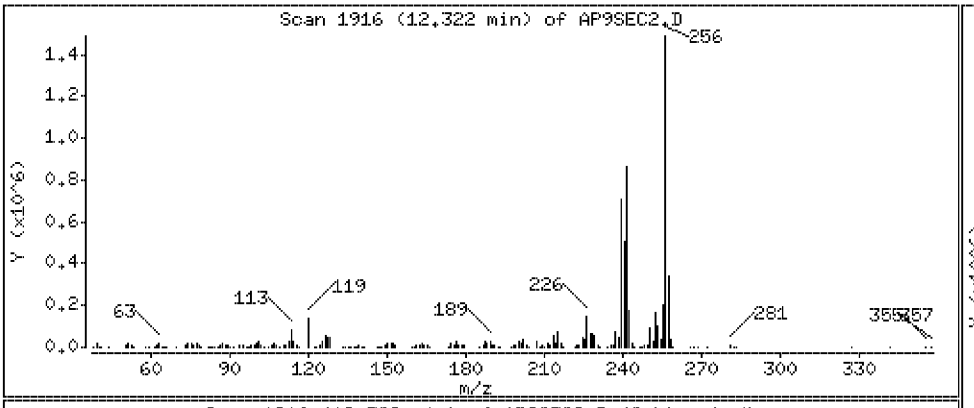
Operator: PEL

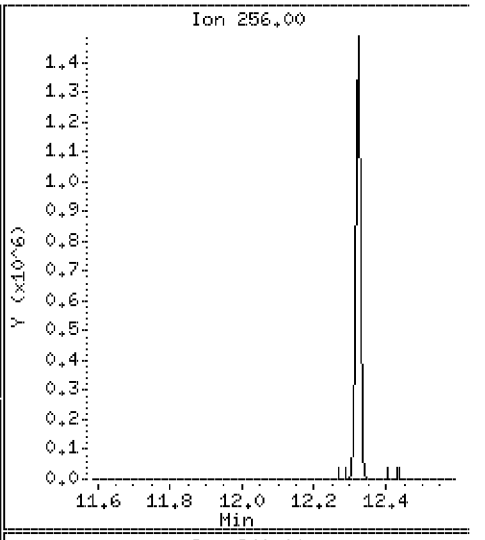
Column phase: HPMS-5

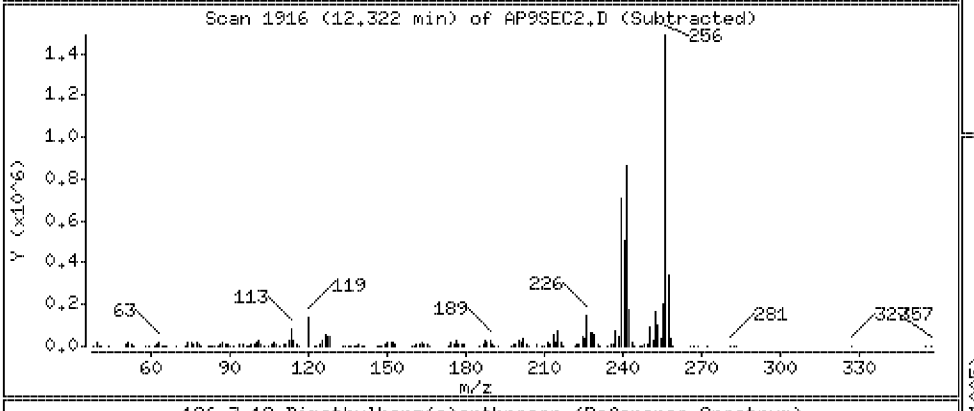
Column diameter: 0.25

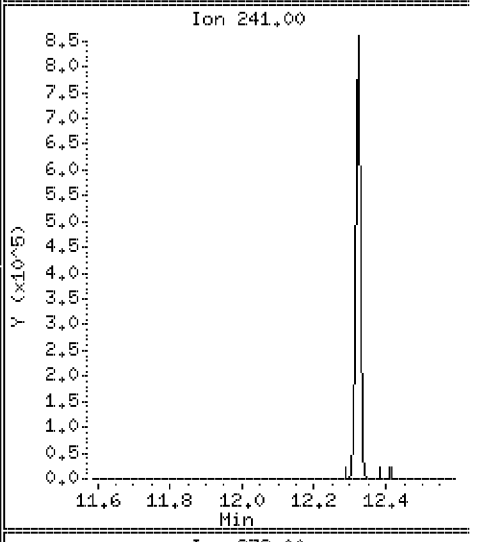
126 7,12-Dimethylbenz(a)anthracen

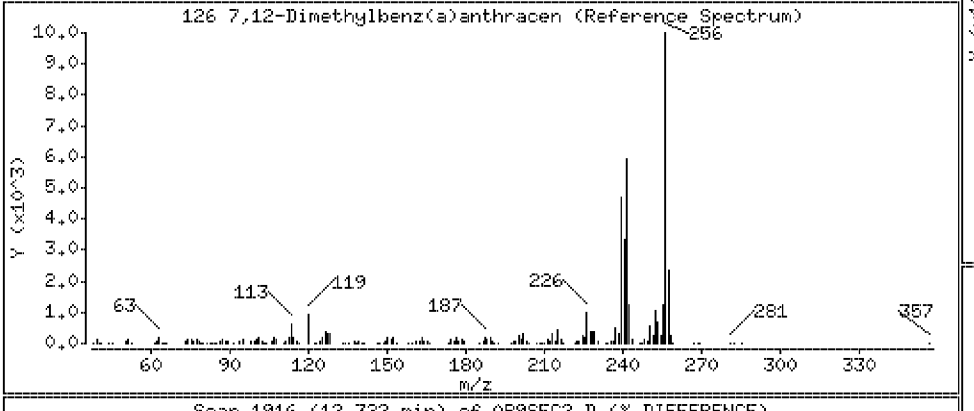
Concentration: 46.7 ug/l

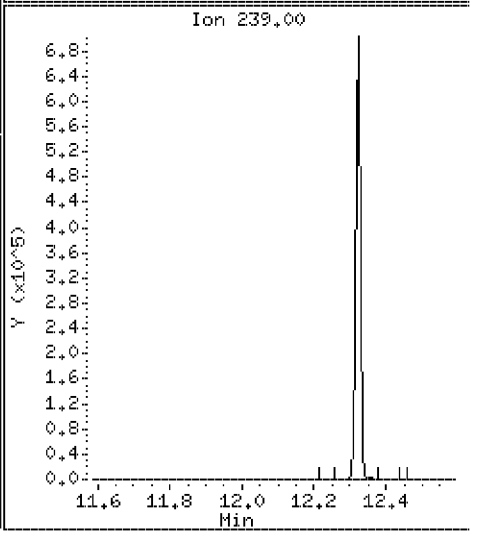


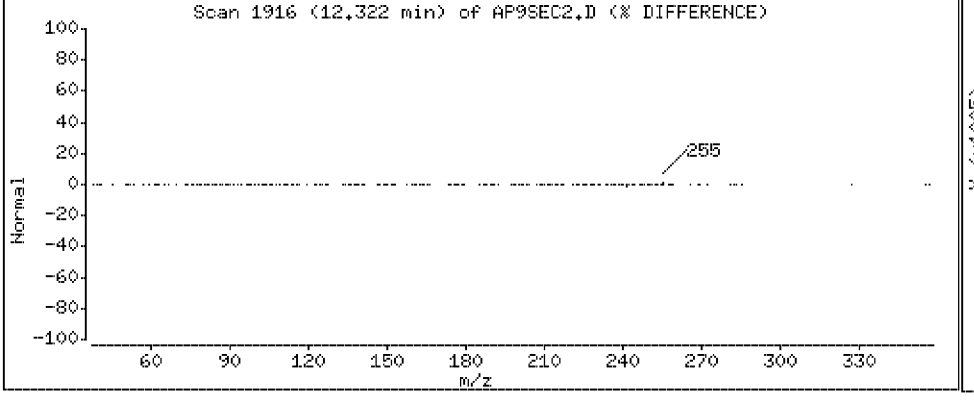












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

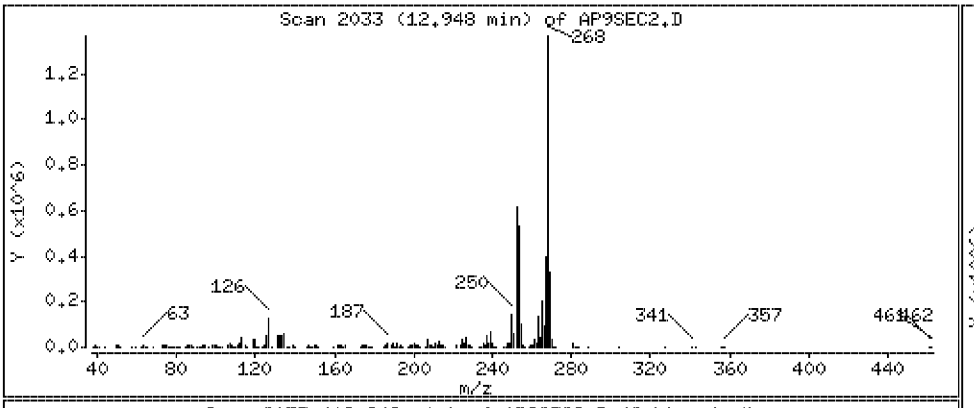
Operator: PEL

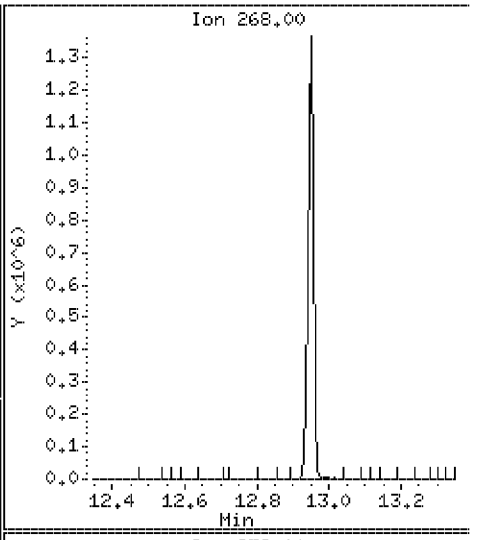
Column phase: HPMS-5

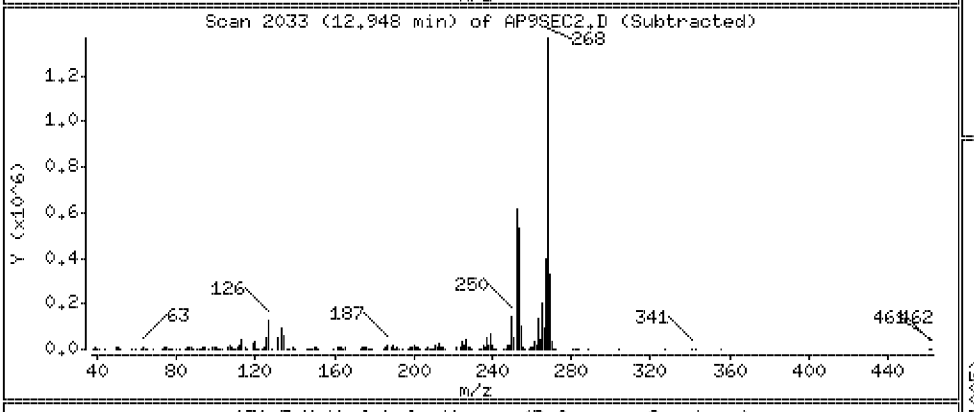
Column diameter: 0.25

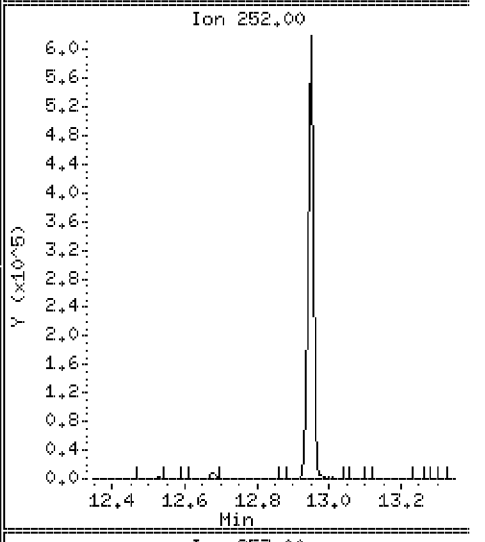
131 3-Methylcholanthrene

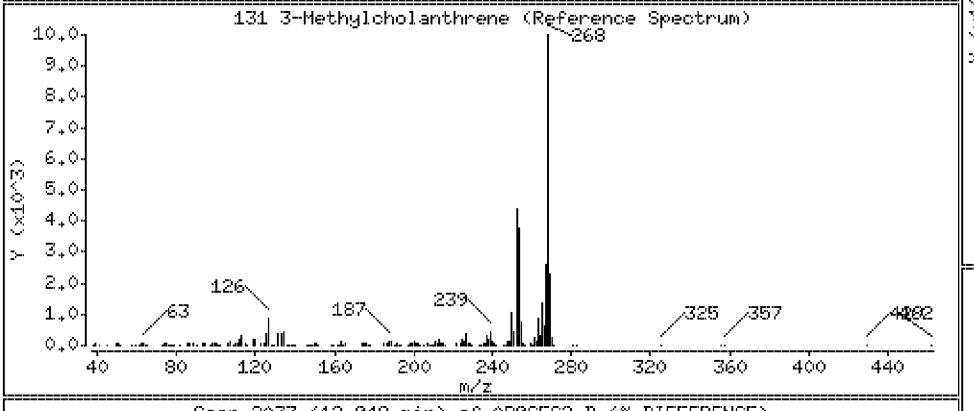
Concentration: 45.2 ug/l

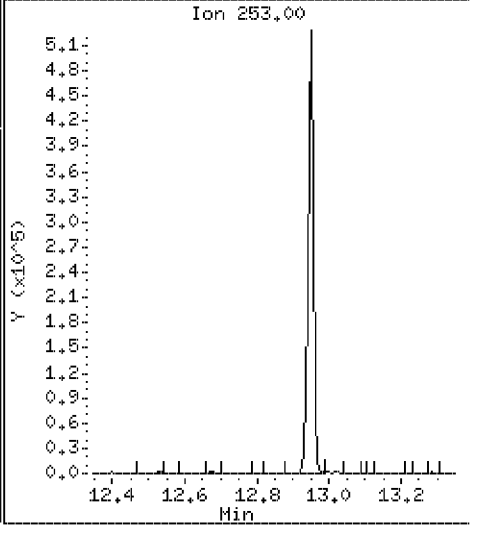


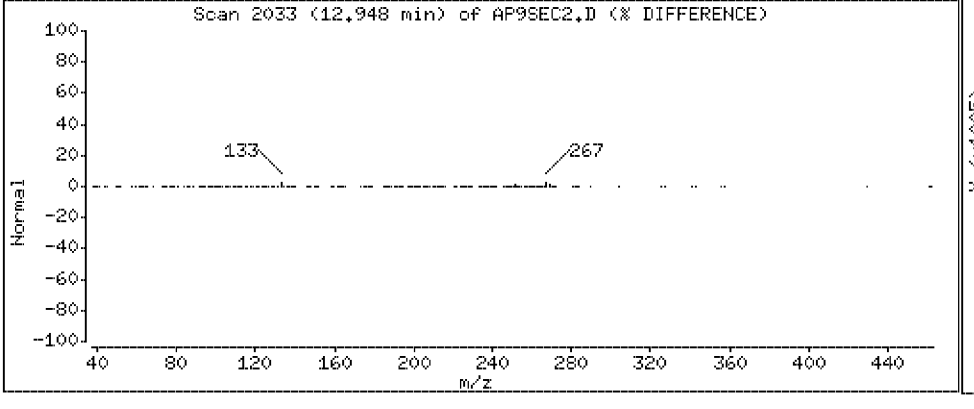












Data File: \\Svecd04\DD\chem\smsd03.i\S3042312.b\AP9SEC2.D

Date : 23-APR-2012 20:15

Client ID: AP9SEC

Instrument: smsd03.i

Sample Info: 44612

Purge Volume: 1000.0

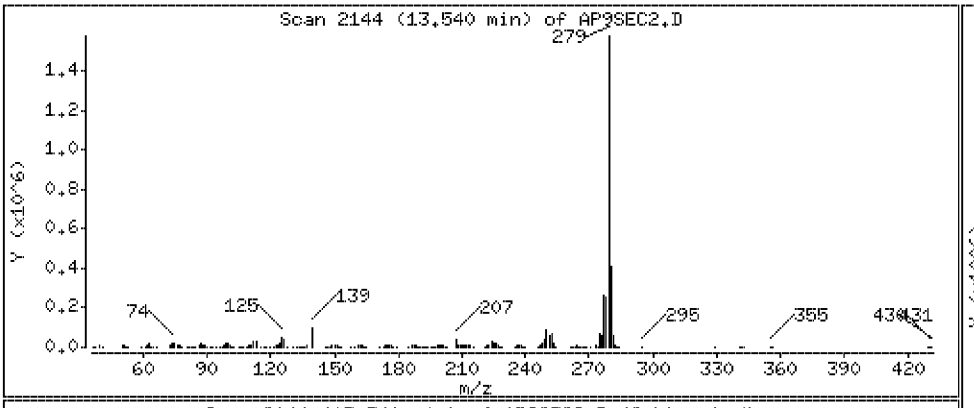
Operator: PEL

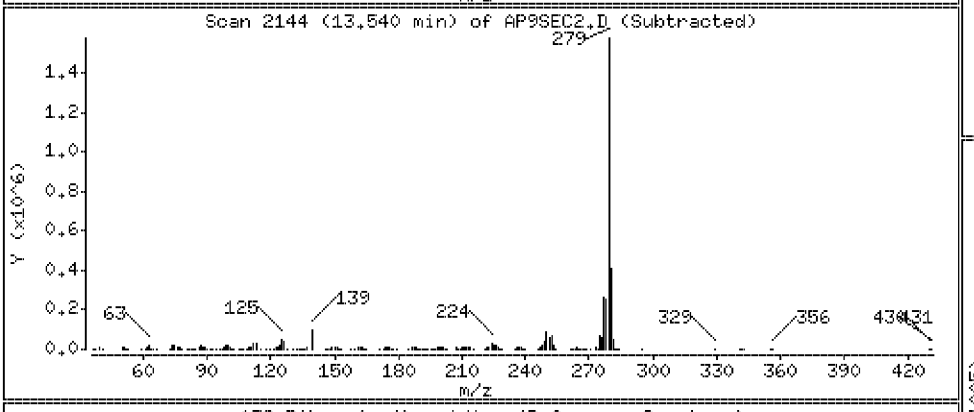
Column phase: HPMS-5

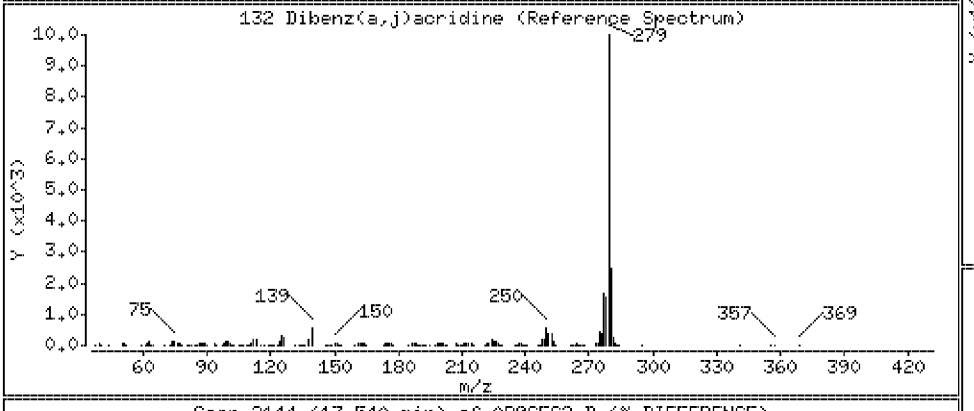
Column diameter: 0.25

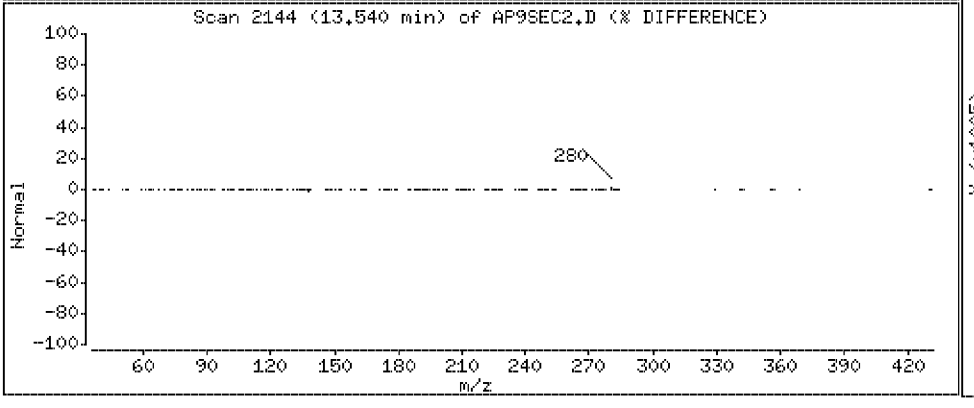
132 Dibenz(a,j)acridine

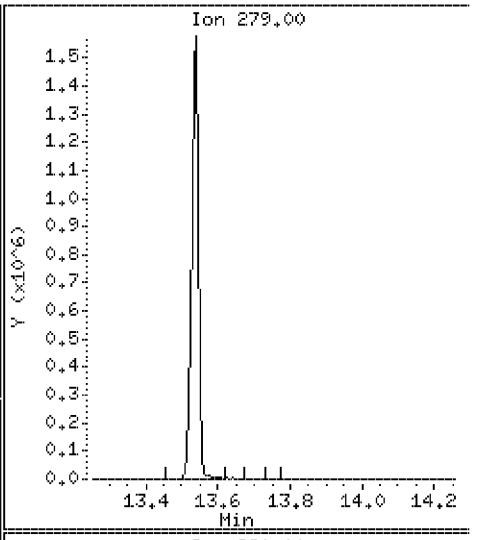
Concentration: 44.7 ug/l

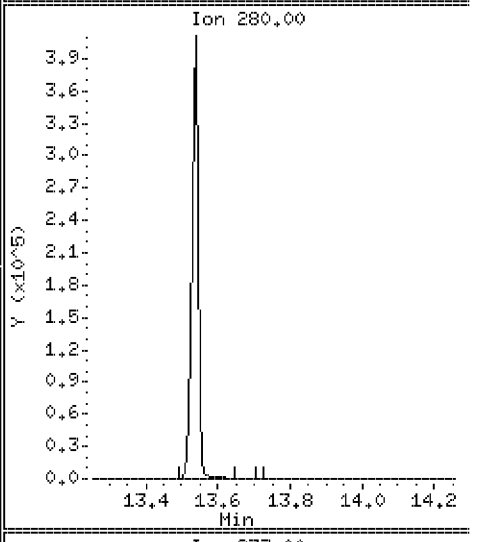


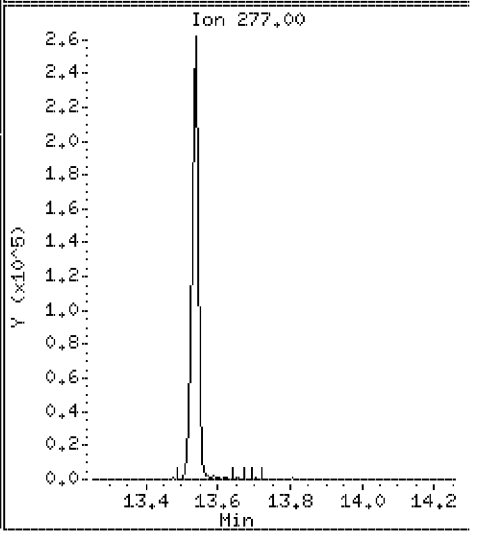












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D
Report Date: 02-May-2012 16:02

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D
Lab Smp Id: 45777 Client Smp ID: DFTPP2
Inj Date : 26-APR-2012 10:48
Operator : PEL Inst ID: smsd03.i
Smp Info : 45777
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\DoDTUN.m
Meth Date : 30-Apr-2012 13:57 mjacobs Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

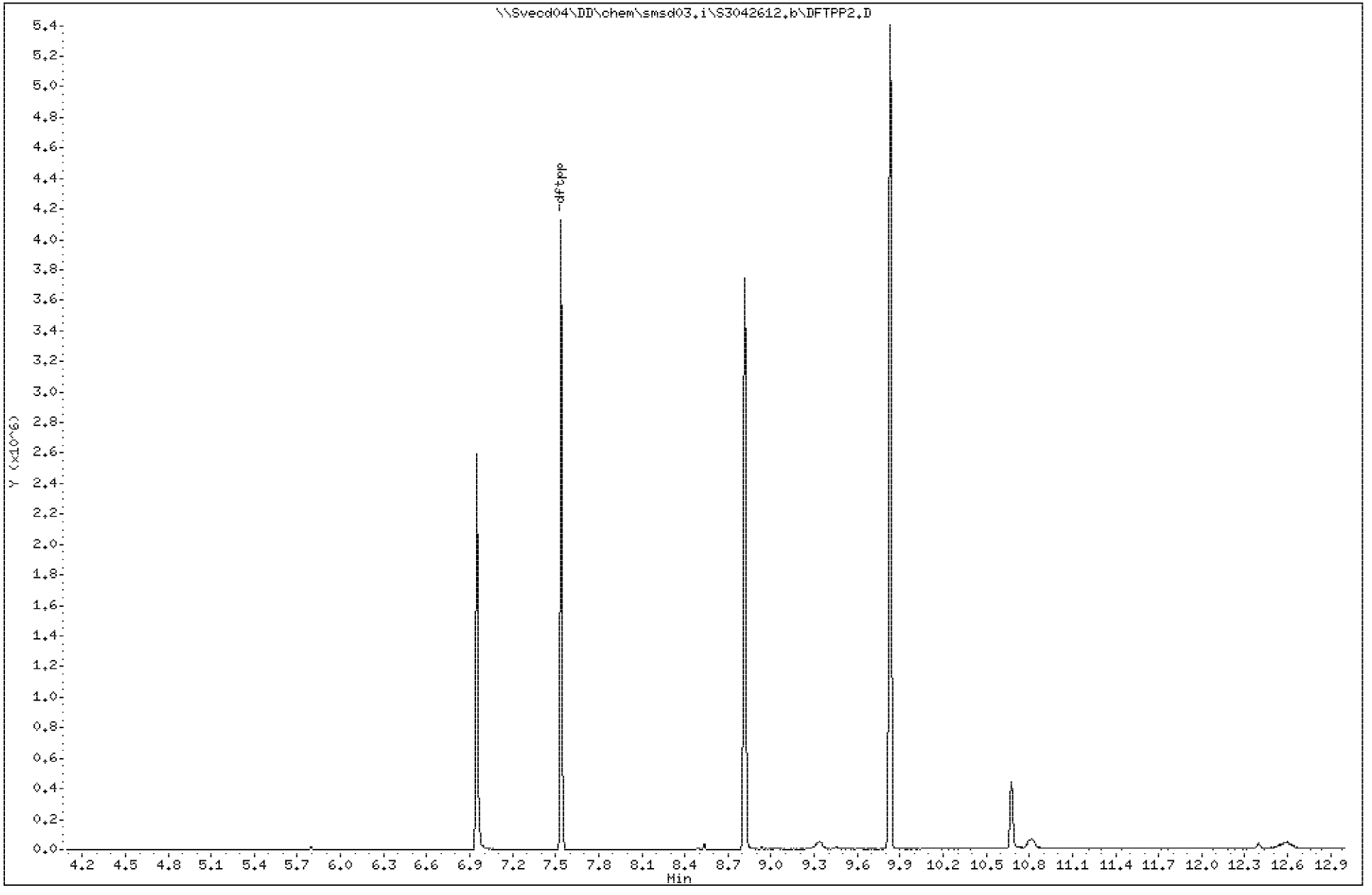
Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.538	7.728	(0.000)	198	308800			0.00- 100.00	100.00
7.538	7.728	(0.000)	51	91152			10.00- 80.00	29.52
7.538	7.728	(0.000)	68	895			0.00- 2.00	0.59
7.538	7.728	(0.000)	69	150464			0.00- 0.00	48.73
7.538	7.728	(0.000)	70	550			0.00- 2.00	0.37
7.538	7.728	(0.000)	127	136384			10.00- 80.00	44.17
7.538	7.728	(0.000)	197	605			0.00- 2.00	0.20
7.538	7.728	(0.000)	199	20560			5.00- 9.00	6.66
7.538	7.728	(0.000)	275	101784			10.00- 60.00	32.96
7.538	7.728	(0.000)	365	18576			1.00- 0.00	6.02
7.538	7.728	(0.000)	441	44824			0.01- 24.00	15.38
7.538	7.728	(0.000)	442	291456			50.00- 0.00	94.38
7.538	7.728	(0.000)	443	59624			15.00- 24.00	20.46

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D
Date : 26-APR-2012 10:48
Client ID: DFTPP2
Instrument: smsd03.i
Sample Info: 45777
Volume Injected (uL): 1.0
Operator: PEL
Column phase:
Column diameter: 2.00

2036



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D

Date : 26-APR-2012 10:48

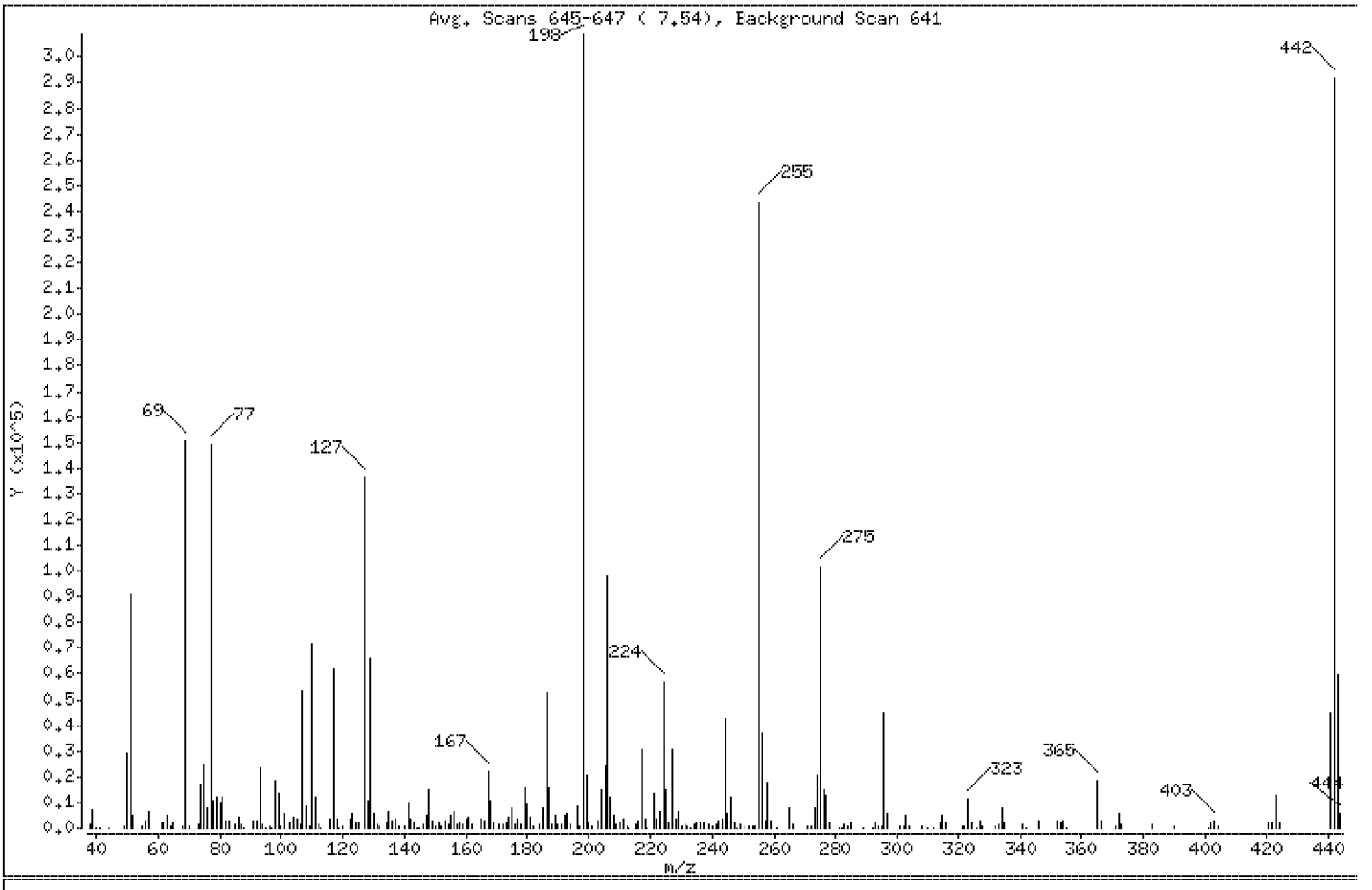
Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	29.52
68	Less than 2.00% of mass 69	0.29 (0.59)
69	Mass 69 relative abundance	48.73
70	Less than 2.00% of mass 69	0.18 (0.37)
127	10.00 - 80.00% of mass 198	44.17
197	Less than 2.00% of mass 198	0.20
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 60.00% of mass 198	32.96
365	Greater than 1.00% of mass 198	6.02
441	0.01 - 24.00% of mass 442	14.52 (15.38)
442	Greater than 50.00% of mass 198	94.38
443	15.00 - 24.00% of mass 442	19.31 (20.46)

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D

Date : 26-APR-2012 10:48

Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 645-647 (7.54), Background Scan 641
Location of Maximum: 198.00
Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1596	125.00	2086	198.00	308800	276.00	14636
39.00	7010	127.00	136384	199.00	20560	277.00	12700
40.00	268	128.00	10348	200.00	1926	278.00	2162
41.00	224	129.00	66152	201.00	1045	281.00	217
44.00	300	130.00	6006	203.00	3149	282.00	266
49.00	1031	131.00	1364	204.00	15110	283.00	1441
50.00	28752	132.00	566	205.00	23880	284.00	726
51.00	91152	134.00	2022	206.00	97888	285.00	1921
52.00	5035	135.00	6095	207.00	12403	289.00	227
55.00	365	136.00	2930	208.00	4661	292.00	289
56.00	2790	137.00	3449	209.00	1362	293.00	2384
57.00	6649	138.00	496	210.00	1981	294.00	622
61.00	1898	140.00	567	211.00	3666	295.00	634
62.00	1953	141.00	10132	212.00	406	296.00	44616
63.00	4999	142.00	3573	213.00	287	297.00	5510
64.00	773	143.00	2207	215.00	1195	301.00	479
65.00	2317	144.00	296	216.00	2723	302.00	952
68.00	895	145.00	231	217.00	30192	303.00	5032
69.00	150464	146.00	1510	218.00	3399	304.00	1049
70.00	550	147.00	5036	219.00	282	308.00	475
73.00	1450	148.00	15000	221.00	13388	310.00	259
74.00	16928	149.00	2584	222.00	3214	312.00	250
75.00	25048	150.00	384	223.00	6181	314.00	2065
76.00	7833	151.00	1876	224.00	56552	315.00	5007
77.00	149376	152.00	671	225.00	14637	316.00	2370
78.00	10620	153.00	2855	226.00	1871	321.00	975
79.00	12269	154.00	1706	227.00	30336	322.00	710
80.00	9708	155.00	5011	228.00	3860	323.00	11287
81.00	11724	156.00	6542	229.00	6596	324.00	1799
82.00	2838	157.00	1370	230.00	469	326.00	265
83.00	2819	158.00	1814	231.00	1543	327.00	2921
85.00	1588	159.00	1094	232.00	516	328.00	902
86.00	4034	160.00	3241	233.00	275	332.00	986
87.00	1693	161.00	4138	234.00	1617	333.00	1198
88.00	326	162.00	1296	235.00	1789	334.00	7701

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\DFTPP2.D

Date : 26-APR-2012 10:48

Client ID: DFTPP2 Instrument: smsd03.i

Sample Info: 45777

Volume Injected (uL): 1.0 Operator: PEL

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 645-647 (7.54), Background Scan 641
Location of Maximum: 198.00
Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	2748	165.00	3520	236.00	1860	335.00	2206
92.00	3108	166.00	3156	237.00	2170	341.00	1143
93.00	23264	167.00	21840	239.00	1550	342.00	328
94.00	1772	168.00	10743	240.00	764	346.00	2693
95.00	306	169.00	1895	241.00	1384	352.00	3076
96.00	929	171.00	1084	242.00	3076	353.00	2440
97.00	219	172.00	1671	243.00	3399	354.00	3058
98.00	18480	173.00	2251	244.00	42320	355.00	259
99.00	13790	174.00	4358	245.00	5853	365.00	18576
100.00	757	175.00	7807	246.00	11755	366.00	3025
101.00	5537	176.00	1659	247.00	2010	371.00	902
103.00	2302	177.00	3780	248.00	237	372.00	5550
104.00	4353	178.00	1316	249.00	1273	373.00	1175
105.00	3615	179.00	15333	250.00	512	383.00	1145
106.00	1304	180.00	9495	252.00	557	390.00	398
107.00	53576	181.00	4170	253.00	990	401.00	300
108.00	8352	182.00	759	254.00	769	402.00	1837
109.00	845	184.00	1512	255.00	243392	403.00	2928
110.00	71656	185.00	7550	256.00	36816	404.00	580
111.00	12246	186.00	52552	257.00	2748	421.00	2213
112.00	1667	187.00	15964	258.00	17816	422.00	2261
113.00	327	188.00	1549	259.00	3187	423.00	12528
116.00	3667	189.00	5129	261.00	274	424.00	2480
117.00	61608	190.00	1159	265.00	7607	441.00	44824
118.00	3843	191.00	1489	266.00	1392	442.00	291456
119.00	305	192.00	4886	271.00	447	443.00	59624
120.00	712	193.00	5616	272.00	705	444.00	5603
122.00	3862	194.00	1168	273.00	7607		
123.00	5454	196.00	8549	274.00	20320		
124.00	2211	197.00	605	275.00	101784		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/26/2012 11:05

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042612.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 04/30/2012 14:09

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042612.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 05/02/2012 16:02

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3042612.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D
Lab Smp Id: 45924 Client Smp ID: 8270CCV1
Inj Date : 26-APR-2012 11:08 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45924
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.363	2.363	(0.534)	79	509914	45.0000	47.7	80.00- 120.00	100.00(M)
2.363	2.363	(0.534)	52	194839			8.21- 68.21	38.21
M 16 Cresols (Total)						CAS #: 1319-77-3		
				869637	90.0000	95.0		
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.323	2.323	(0.525)	42	235483	45.0000	48.7	80.00- 120.00	100.00
2.323	2.323	(0.525)	74	315275			103.88- 163.88	133.88
2.322	2.323	(0.525)	44	10092			0.00- 34.29	4.29
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.357	3.357	(0.759)	112	748051	90.0000	91.0	80.00- 120.00	100.00
3.356	3.357	(0.759)	64	480094			34.18- 94.18	64.18
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.111	4.111	(0.930)	99	1051572	90.0000	95.4	80.00- 120.00	100.00
4.111	4.111	(0.929)	42	210036			0.00- 49.97	19.97
4.111	4.111	(0.930)	71	583552			25.49- 85.49	55.49
13 Phenol						CAS #: 108-95-2		
4.122	4.122	(0.932)	94	577528	45.0000	46.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	13 Phenol (continued)							
4.122	4.122	(0.932)	65	231630			10.11- 70.11	40.11
4.121	4.122	(0.932)	66	427178			43.97- 103.97	73.97
	10 Aniline					CAS #: 62-53-3		
4.143	4.143	(0.937)	93	604743	45.0000	45.6	80.00- 120.00	100.00
4.142	4.143	(0.937)	65	131039			0.00- 51.67	21.67
4.142	4.143	(0.937)	66	236422			9.09- 69.09	39.09
	14 Bis(2-Chloroethyl)ether					CAS #: 111-44-4		
4.186	4.186	(0.946)	93	370114	45.0000	47.0	80.00- 120.00	100.00
4.185	4.186	(0.946)	63	266523			42.01- 102.01	72.01
4.185	4.186	(0.946)	95	114336			0.89- 60.89	30.89
	15 2-Chlorophenol					CAS #: 95-57-8		
4.252	4.252	(0.961)	128	378294	45.0000	46.0	80.00- 120.00	100.00
4.251	4.252	(0.961)	64	205858			24.42- 84.42	54.42
4.252	4.252	(0.961)	130	119617			1.62- 61.62	31.62
	17 1,3-Dichlorobenzene					CAS #: 541-73-1		
4.376	4.376	(0.989)	146	461933	45.0000	45.8	80.00- 120.00	100.00
4.376	4.376	(0.990)	148	310605			37.24- 97.24	67.24
4.376	4.376	(0.989)	111	214208			16.37- 76.37	46.37
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	284594	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	178396			33.39- 93.39	62.68
4.423	4.423	(1.000)	150	484105			121.52- 181.52	170.10
	19 1,4-Dichlorobenzene					CAS #: 106-46-7		
4.438	4.438	(1.003)	146	487182	45.0000	45.8	80.00- 120.00	100.00
4.438	4.438	(1.003)	148	327126			37.15- 97.15	67.15
4.437	4.438	(1.003)	111	220679			15.30- 75.30	45.30
	21 Benzyl alcohol					CAS #: 100-51-6		
4.542	4.542	(1.027)	108	269169	45.0000	47.7	80.00- 120.00	100.00
4.542	4.542	(1.027)	79	482169			149.13- 209.13	179.13
4.542	4.542	(1.027)	77	343111			97.47- 157.47	127.47
	20 1,2-Dichlorobenzene					CAS #: 95-50-1		
4.575	4.575	(1.034)	146	448079	45.0000	46.2	80.00- 120.00	100.00
4.575	4.575	(1.034)	148	299464			36.83- 96.83	66.83
4.575	4.575	(1.034)	111	207712			16.36- 76.36	46.36
	22 2-Methylphenol					CAS #: 95-48-7		
4.643	4.643	(1.050)	107	347083	45.0000	46.6	80.00- 120.00	100.00
4.644	4.643	(1.050)	108	379063			79.21- 139.21	109.21
4.644	4.643	(1.050)	79	304477			57.72- 117.72	87.72
	23 2,2'-oxybis(1-chloropropane)					CAS #: 108-60-1		
4.652	4.652	(1.052)	45	248693	45.0000	45.2	80.00- 120.00	100.00
4.644	4.652	(1.050)	77	351308			111.26- 171.26	141.26
4.652	4.652	(1.052)	121	132431			23.25- 83.25	53.25

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
28 4-Methylphenol						CAS #: 106-44-5		
4.780	4.780	(1.081)	107	522554	45.0000	48.5	80.00- 120.00	100.00
4.780	4.780	(1.081)	108	418038			50.00- 110.00	80.00
4.779	4.780	(1.081)	79	172617			3.03- 63.03	33.03
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.774	4.774	(1.079)	70	417250	45.0000	49.8	80.00- 120.00	100.00
4.774	4.774	(1.079)	42	157929			7.85- 67.85	37.85
4.775	4.774	(1.080)	130	79586			0.00- 49.07	19.07
30 Hexachloroethane						CAS #: 67-72-1		
4.876	4.876	(1.103)	117	201213	45.0000	47.9	80.00- 120.00	100.00
4.877	4.876	(1.103)	201	234233			86.41- 146.41	116.41
4.877	4.876	(1.103)	199	143258			41.20- 101.20	71.20
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.919	4.919	(0.881)	82	618644	45.0000	48.4	80.00- 120.00	100.00
4.920	4.919	(0.881)	128	196991			1.84- 61.84	31.84
4.919	4.919	(0.881)	54	232315			7.55- 67.55	37.55
32 Nitrobenzene						CAS #: 98-95-3		
4.937	4.937	(0.884)	77	608710	45.0000	48.3	80.00- 120.00	100.00
4.937	4.937	(0.884)	123	195481			2.11- 62.11	32.11
4.937	4.937	(0.884)	65	91179			0.00- 44.98	14.98
34 Isophorone						CAS #: 78-59-1		
5.151	5.151	(0.922)	82	742762	45.0000	48.4	80.00- 120.00	100.00
5.151	5.151	(0.922)	138	116065			0.00- 45.63	15.63
5.151	5.151	(0.922)	95	68009			0.00- 39.16	9.16
35 2-Nitrophenol						CAS #: 88-75-5		
5.228	5.228	(0.936)	139	222747	45.0000	47.8	80.00- 120.00	100.00
5.227	5.228	(0.936)	65	161690			42.59- 102.59	72.59
5.228	5.228	(0.936)	109	117576			22.78- 82.78	52.78
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.266	5.266	(0.943)	122	319669	45.0000	44.5	80.00- 120.00	100.00
5.266	5.266	(0.943)	107	459622			113.78- 173.78	143.78
5.266	5.266	(0.943)	121	191148			29.80- 89.80	59.80
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.345	5.345	(0.957)	93	488747	45.0000	47.0	80.00- 120.00	100.00
5.345	5.345	(0.957)	95	163517			3.46- 63.46	33.46
5.345	5.345	(0.957)	123	70162			0.00- 44.36	14.36
40 Benzoic Acid						CAS #: 65-85-0		
5.373	5.373	(0.962)	122	215118	45.0000	43.6	80.00- 120.00	100.00
5.373	5.373	(0.962)	105	295395			107.32- 167.32	137.32
5.372	5.373	(0.962)	77	299273			109.12- 169.12	139.12
41 2,4-Dichlorophenol						CAS #: 120-83-2		
5.460	5.460	(0.978)	162	407499	45.0000	48.1	80.00- 120.00	100.00
5.460	5.460	(0.978)	164	266720			35.45- 95.45	65.45

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol (continued)							
5.459	5.460	(0.978)	98	140619			4.51- 64.51	34.51
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.529	5.529	(0.990)	180	488034	45.0000	46.1	80.00- 120.00	100.00
5.529	5.529	(0.990)	182	475992			67.53- 127.53	97.53
5.529	5.529	(0.990)	145	139284			0.00- 58.54	28.54
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	947111	40.0000		80.00- 120.00	100.00
5.584	5.583	(1.000)	68	52409			0.00- 35.32	5.53
	44 Naphthalene					CAS #: 91-20-3		
5.604	5.604	(1.004)	128	1143835	45.0000	47.1	80.00- 120.00	100.00
5.604	5.604	(1.004)	129	128306			0.00- 41.22	11.22
5.604	5.604	(1.004)	127	154879			0.00- 43.27	13.54
	45 4-Chloroaniline					CAS #: 106-47-8		
5.655	5.655	(1.013)	127	473240	45.0000	46.3	80.00- 120.00	100.00
5.655	5.655	(1.013)	129	149953			1.69- 61.69	31.69
5.655	5.655	(1.013)	65	199607			12.18- 72.18	42.18
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.720	5.720	(1.024)	225	382656	45.0000	47.3	80.00- 120.00	100.00
5.720	5.720	(1.024)	223	240707			32.90- 92.90	62.90
5.720	5.720	(1.024)	227	248871			35.04- 95.04	65.04
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.128	6.128	(1.097)	107	392923	45.0000	48.2	80.00- 120.00	100.00
6.128	6.128	(1.097)	144	96243			0.00- 54.49	24.49
6.129	6.128	(1.097)	142	292965			44.56- 104.56	74.56
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.263	6.263	(1.122)	142	827254	45.0000	46.8	80.00- 120.00	100.00
6.263	6.263	(1.122)	141	710903			55.94- 115.94	85.94
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.359	6.359	(1.139)	142	759477	45.0000	47.3	80.00- 120.00	100.00
6.359	6.359	(1.139)	141	682964			59.93- 119.93	89.93
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.418	6.418	(0.882)	237	489605	45.0000	47.4	80.00- 120.00	100.00
6.418	6.418	(0.882)	235	311420			33.61- 93.61	63.61
6.419	6.418	(0.882)	272	69238			0.00- 44.14	14.14
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.587	6.587	(0.905)	196	402780	45.0000	49.4	80.00- 120.00	100.00
6.587	6.587	(0.905)	198	374501			62.98- 122.98	92.98
6.587	6.587	(0.905)	200	122768			0.48- 60.48	30.48
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.542	6.542	(0.899)	196	359746	45.0000	47.7	80.00- 120.00	100.00
6.542	6.542	(0.899)	198	344002			65.62- 125.62	95.62

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
58 2,4,5-Trichlorophenol (continued)								
6.541	6.542 (0.899)		97	230616			34.11- 94.11	64.11
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.618	6.618 (0.909)		172	1209360	45.0000	47.7	80.00- 120.00	100.00
6.618	6.618 (0.909)		171	424189			5.08- 65.08	35.08
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.736	6.736 (0.925)		162	901885	45.0000	47.0	80.00- 120.00	100.00
6.736	6.736 (0.925)		164	311420			4.53- 64.53	34.53
6.736	6.736 (0.925)		127	343782			8.12- 68.12	38.12
63 2-Nitroaniline						CAS #: 88-74-4		
6.841	6.841 (0.940)		65	320526	45.0000	48.4	80.00- 120.00	100.00
6.842	6.841 (0.940)		92	186449			28.17- 88.17	58.17
6.843	6.841 (0.940)		138	258051			50.51- 110.51	80.51
65 Dimethylphthalate						CAS #: 131-11-3		
7.015	7.015 (0.964)		163	1068216	45.0000	48.4	80.00- 120.00	100.00
7.016	7.015 (0.964)		194	61295			0.00- 35.74	5.74
7.015	7.015 (0.964)		164	113654			0.00- 40.55	10.64
68 Acenaphthylene						CAS #: 208-96-8		
7.140	7.140 (0.981)		152	1357761	45.0000	47.8	80.00- 120.00	100.00
7.140	7.140 (0.981)		151	280459			0.00- 50.66	20.66
7.140	7.140 (0.981)		153	185469			0.00- 43.66	13.66
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.075	7.075 (0.972)		165	252234	45.0000	50.6	80.00- 120.00	100.00
7.074	7.075 (0.972)		89	191581			45.95- 105.95	75.95
7.074	7.075 (0.972)		63	190702			45.61- 105.61	75.61
69 3-Nitroaniline						CAS #: 99-09-2		
7.245	7.245 (0.995)		138	201371	45.0000	45.4	80.00- 120.00	100.00
7.244	7.245 (0.995)		108	22062			0.00- 40.96	10.96
7.245	7.245 (0.995)		92	271554			104.85- 164.85	134.85
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278 (1.000)		164	655130	40.0000		80.00- 120.00	100.00
7.279	7.278 (1.000)		162	631192			66.43- 126.43	96.35
7.279	7.278 (1.000)		160	287366			14.76- 74.76	43.86
71 Acenaphthene						CAS #: 83-32-9		
7.311	7.311 (1.004)		154	816292	45.0000	47.4	80.00- 120.00	100.00
7.311	7.311 (1.004)		153	894220			79.55- 139.55	109.55
7.311	7.311 (1.004)		152	433111			23.06- 83.06	53.06
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.343	7.343 (1.009)		184	134938	45.0000	42.0	80.00- 120.00	100.00
7.342	7.343 (1.009)		63	113568			54.16- 114.16	84.16
7.342	7.343 (1.009)		154	97299			42.11- 102.11	72.11
74 4-Nitrophenol						CAS #: 100-02-7		
7.439	7.439 (1.022)		109	226182	45.0000	47.0	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol (continued)								
7.439	7.439	(1.022)	139	163607			42.33- 102.33	72.33
7.438	7.439	(1.022)	65	236901			74.74- 134.74	104.74
75 Dibenzofuran						CAS #: 132-64-9		
7.479	7.479	(1.027)	168	1339602	45.0000	47.8	80.00- 120.00	100.00
7.479	7.479	(1.027)	139	552882			11.27- 71.27	41.27
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.469	7.469	(1.026)	165	330502	45.0000	47.2	80.00- 120.00	100.00
7.469	7.469	(1.026)	63	295771			59.49- 119.49	89.49
7.468	7.469	(1.026)	89	338503			72.42- 132.42	102.42
80 Diethylphthalate						CAS #: 84-66-2		
7.703	7.703	(1.058)	149	971788	45.0000	47.7	80.00- 120.00	100.00
7.704	7.703	(1.058)	177	227475			0.00- 53.41	23.41
7.703	7.703	(1.058)	150	125558			0.00- 42.92	12.92
81 Fluorene						CAS #: 86-73-7		
7.814	7.814	(1.073)	166	1184935	45.0000	48.8	80.00- 120.00	100.00
7.814	7.814	(1.073)	165	1120795			64.59- 124.59	94.59
7.814	7.814	(1.073)	167	166101			0.00- 44.02	14.02
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.812	7.812	(1.073)	204	714890	45.0000	49.1	80.00- 120.00	100.00
7.812	7.812	(1.073)	206	238061			3.30- 63.30	33.30
7.811	7.812	(1.073)	141	392556			24.91- 84.91	54.91
84 4-Nitroaniline						CAS #: 100-01-6		
7.848	7.848	(1.078)	138	163227	45.0000	42.6	80.00- 120.00	100.00
7.848	7.848	(1.078)	92	110554			37.73- 97.73	67.73
7.848	7.848	(1.078)	108	273664			137.66- 197.66	167.66
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.870	7.870	(0.901)	198	227516	45.0000	42.7	80.00- 120.00	100.00
7.868	7.870	(0.901)	51	88138			8.74- 68.74	38.74
7.869	7.870	(0.901)	105	89164			9.19- 69.19	39.19
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.931	7.931	(0.908)	169	680194	45.0000	43.9	80.00- 120.00	100.00
7.931	7.931	(0.908)	168	450616			36.25- 96.25	66.25
7.931	7.931	(0.908)	167	240977			5.43- 65.43	35.43
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.968	7.968	(1.095)	77	1128401	45.0000	48.2	80.00- 120.00	100.00
7.968	7.968	(1.095)	105	148502			0.00- 43.16	13.16
7.969	7.968	(1.095)	182	285754			0.00- 55.32	25.32
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
8.056	8.056	(1.107)	330	434964	90.0000	95.0	80.00- 120.00	100.00
8.056	8.056	(1.107)	332	422706			67.18- 127.18	97.18
8.054	8.056	(1.106)	141	174861			10.20- 70.20	40.20

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.291	8.291	(0.949)	248	417697	45.0000	46.5	80.00- 120.00	100.00
8.291	8.291	(0.949)	250	409714			68.09- 128.09	98.09
8.290	8.291	(0.949)	141	276579			36.22- 96.22	66.22
94 Hexachlorobenzene						CAS #: 118-74-1		
8.359	8.359	(0.957)	284	475955	45.0000	46.1	80.00- 120.00	100.00
8.358	8.359	(0.957)	142	156246			2.83- 62.83	32.83
8.359	8.359	(0.957)	249	150925			1.71- 61.71	31.71
96 Pentachlorophenol						CAS #: 87-86-5		
8.555	8.555	(0.980)	266	288602	45.0000	47.6	80.00- 120.00	100.00
8.555	8.555	(0.980)	264	182200			33.13- 93.13	63.13
8.555	8.555	(0.980)	268	188628			35.36- 95.36	65.36
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.734	8.734	(1.000)	188	1228735	40.0000		80.00- 120.00	100.00
8.733	8.734	(1.000)	94	74075			0.00- 36.17	6.03
8.733	8.734	(1.000)	80	89270			0.00- 38.16	7.27
101 Phenanthrene						CAS #: 85-01-8		
8.758	8.758	(1.003)	178	1479670	45.0000	46.7	80.00- 120.00	100.00
8.758	8.758	(1.003)	179	238536			0.00- 46.12	16.12
8.758	8.758	(1.003)	176	303314			0.00- 50.50	20.50
103 Anthracene						CAS #: 120-12-7		
8.807	8.807	(1.008)	178	1490209	45.0000	47.3	80.00- 120.00	100.00
8.807	8.807	(1.008)	179	241577			0.00- 46.21	16.21
8.807	8.807	(1.008)	176	292867			0.00- 49.65	19.65
104 Carbazole						CAS #: 86-74-8		
8.968	8.968	(1.027)	167	1172472	45.0000	44.6	80.00- 120.00	100.00
8.968	8.968	(1.027)	139	161140			0.00- 43.74	13.74
8.968	8.968	(1.027)	83	73723			0.00- 36.29	6.29
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.299	9.299	(1.065)	149	1615915	45.0000	48.7	80.00- 120.00	100.00
9.299	9.299	(1.065)	150	159955			0.00- 39.90	9.90
9.299	9.299	(1.065)	104	130046			0.00- 38.05	8.05
109 Fluoranthene						CAS #: 206-44-0		
9.924	9.924	(1.136)	202	1727484	45.0000	47.6	80.00- 120.00	100.00
9.923	9.924	(1.136)	101	109427			0.00- 36.33	6.33
9.924	9.924	(1.136)	203	323988			0.00- 48.75	18.75
111 Pyrene						CAS #: 129-00-0		
10.147	10.147	(0.896)	202	1868167	45.0000	44.1	80.00- 120.00	100.00
10.147	10.147	(0.896)	200	415404			0.00- 52.24	22.24
10.147	10.147	(0.896)	203	350507			0.00- 48.76	18.76
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.294	10.294	(0.909)	244	1803997	45.0000	44.8	80.00- 120.00	100.00
10.293	10.294	(0.908)	122	116013			0.00- 36.43	6.43

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.294	10.294 (0.909)		212	144188			0.00- 37.99	7.99
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.771	10.771 (0.951)		149	821995	45.0000	44.8	80.00- 120.00	100.00
10.770	10.771 (0.951)		91	676558			52.31- 112.31	82.31
10.771	10.771 (0.951)		206	213166			0.00- 55.93	25.93
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.320	11.320 (0.999)		228	2511490	45.0000	46.9	80.00- 120.00	100.00
11.320	11.320 (0.999)		229	533455			0.00- 51.24	21.24
11.320	11.320 (0.999)		226	710042			0.00- 58.27	28.27
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.330	11.327 (1.000)		240	2132365	40.0000		80.00- 120.00	100.00
11.329	11.327 (1.000)		120	126206			0.00- 35.19	5.92
11.330	11.327 (1.000)		236	569585			0.00- 56.66	26.71
123 Chrysene						CAS #: 218-01-9		
11.356	11.356 (1.002)		228	2103738	45.0000	44.8	80.00- 120.00	100.00
11.356	11.356 (1.002)		226	655606			1.16- 61.16	31.16
11.356	11.356 (1.002)		229	445442			0.00- 51.17	21.17
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.323	11.323 (0.999)		149	1553878	45.0000	49.0	80.00- 120.00	100.00
11.323	11.323 (0.999)		167	489900			1.53- 61.53	31.53
11.324	11.323 (1.000)		279	148408			0.00- 39.55	9.55
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.921	11.921 (0.942)		149	1999791	45.0000	50.4	80.00- 120.00	100.00
11.921	11.921 (0.942)		167	33805			0.00- 31.69	1.69
11.921	11.921 (0.942)		43	190161			0.00- 39.51	9.51
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.308	12.308 (0.973)		252	2250443	45.0000	46.0	80.00- 120.00	100.00
12.308	12.308 (0.973)		253	521809			0.00- 53.19	23.19
12.306	12.308 (0.973)		125	104529			0.00- 34.64	4.64
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.333	12.333 (0.975)		252	2413324	45.0000	49.1	80.00- 120.00	100.00
12.333	12.333 (0.975)		253	583700			0.00- 54.19	24.19
12.332	12.333 (0.975)		125	126642			0.00- 35.25	5.25
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.601	12.601 (0.996)		252	2251936	45.0000	47.1	80.00- 120.00	100.00
12.601	12.601 (0.996)		253	514997			0.00- 52.87	22.87
12.600	12.601 (0.996)		125	124379			0.00- 35.52	5.52
* 130 Perylene-d12						CAS #: 1520-96-3		
12.654	12.650 (1.000)		264	1841872	40.0000		80.00- 120.00	100.00
12.654	12.650 (1.000)		260	451230			0.00- 54.55	24.50
12.653	12.650 (1.000)		265	436629			0.00- 53.02	23.71

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.711	13.711	(1.084)	276	2802538	45.0000	47.0	80.00- 120.00	100.00
13.711	13.711	(1.084)	138	331294			0.00- 41.82	11.82
13.711	13.711	(1.084)	277	740495			0.00- 56.42	26.42
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.716	13.716	(1.084)	278	2484179	45.0000	47.7	80.00- 120.00	100.00
13.715	13.716	(1.084)	139	201347			0.00- 38.11	8.11
13.716	13.716	(1.084)	279	617069			0.00- 54.84	24.84
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.012	14.012	(1.107)	276	2086023	45.0000	45.8	80.00- 120.00	100.00
14.010	14.012	(1.107)	138	207219			0.00- 39.93	9.93
14.012	14.012	(1.107)	277	518301			0.00- 54.85	24.85

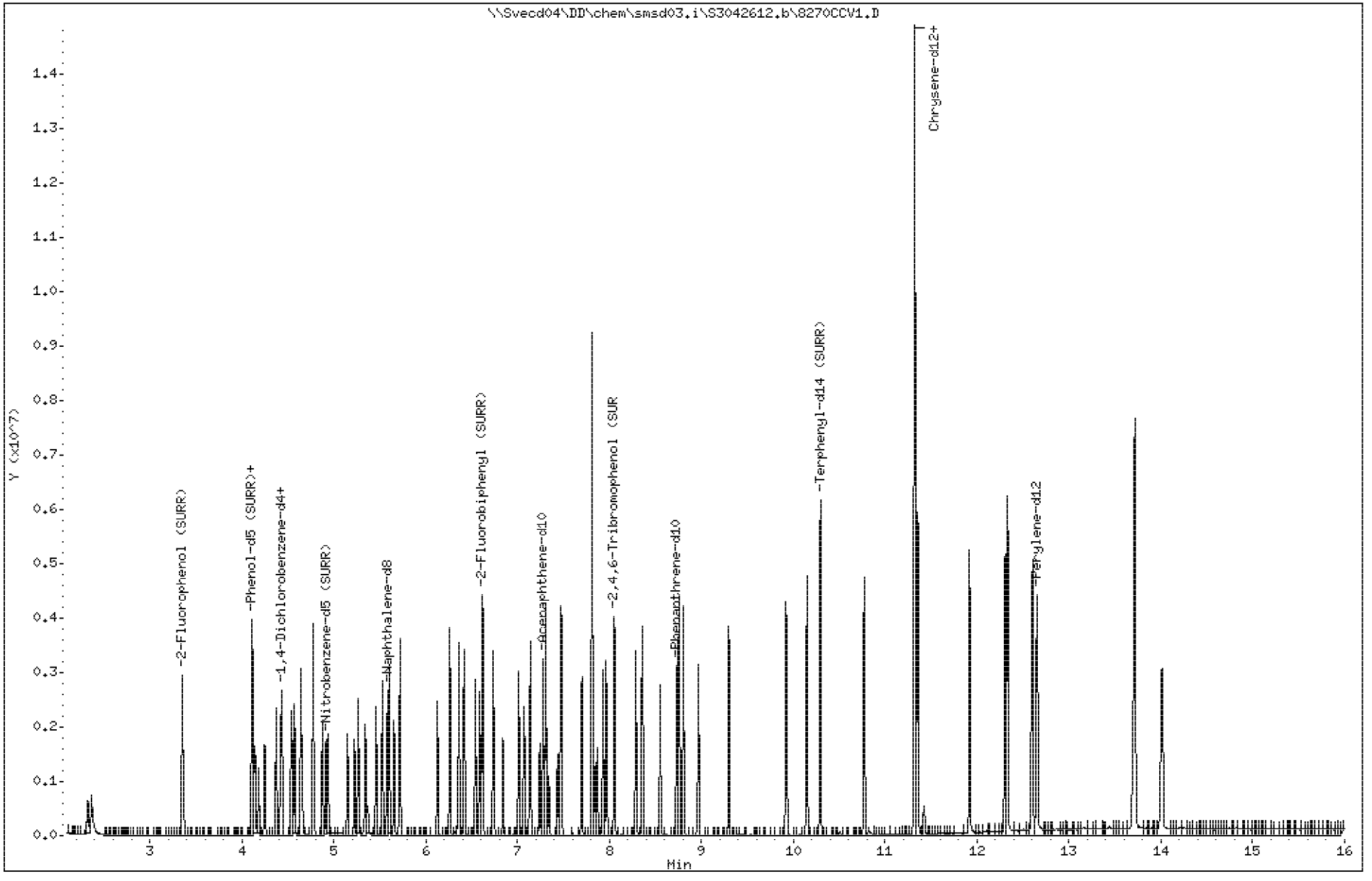
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D
Date : 26-APR-2012 11:08
Client ID: 8270CCV1
Instrument: smsd03.i
Sample Info: 45924
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2050

3505835



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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

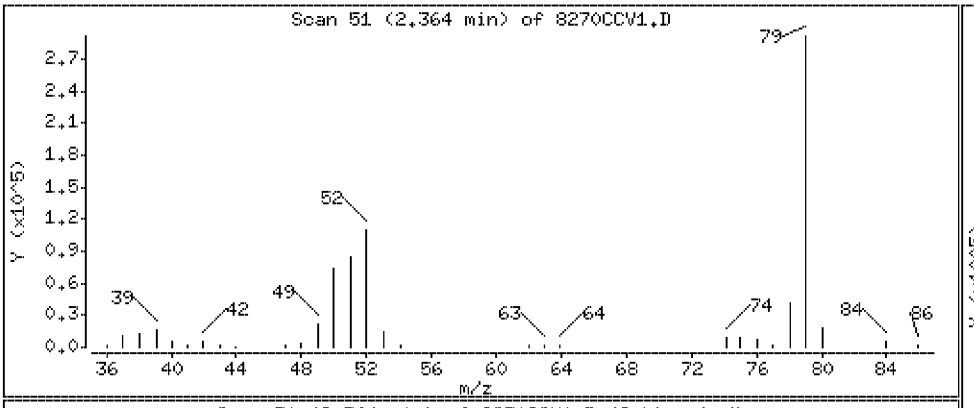
Operator: PEL

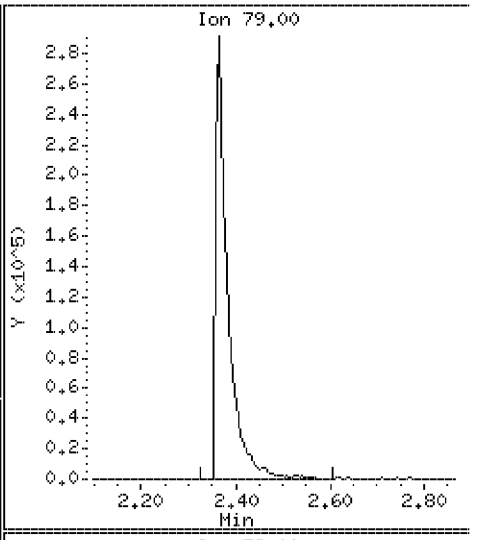
Column phase: HPMS-5

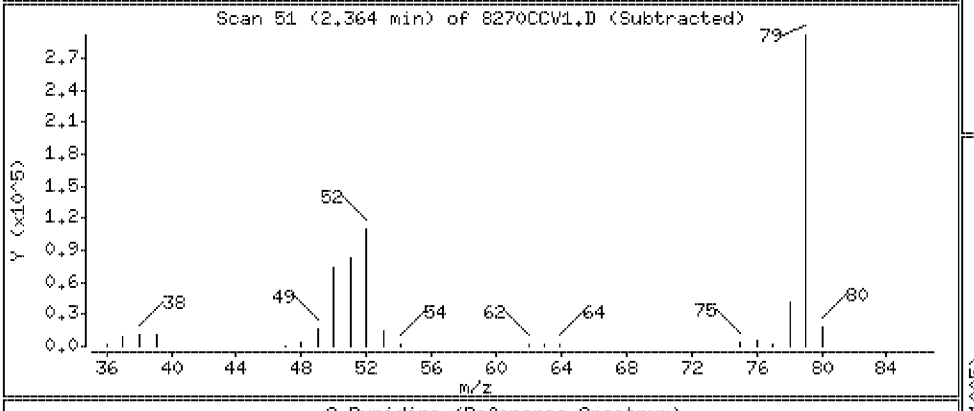
Column diameter: 0.25

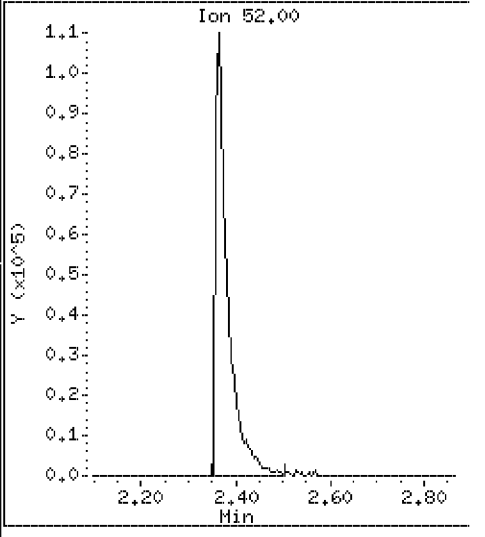
2 Pyridine

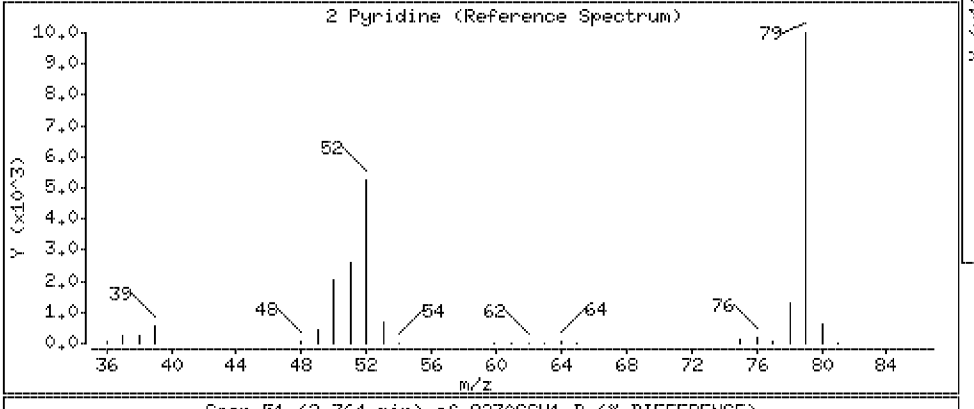
Concentration: 47.7 ug/l

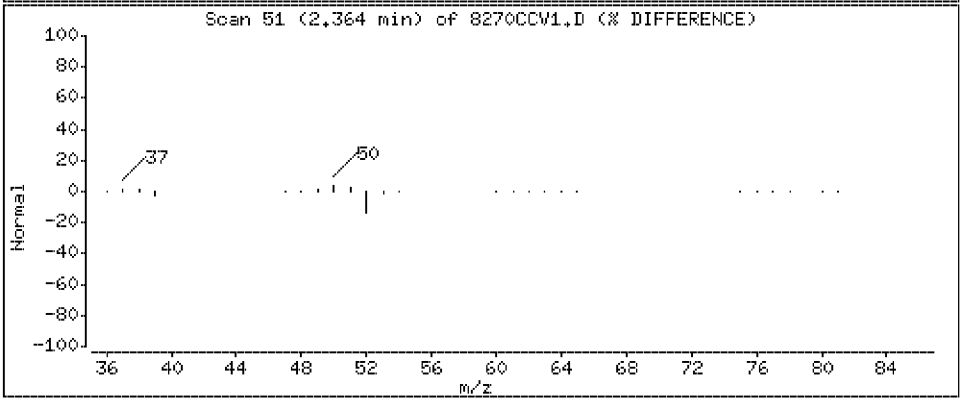












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

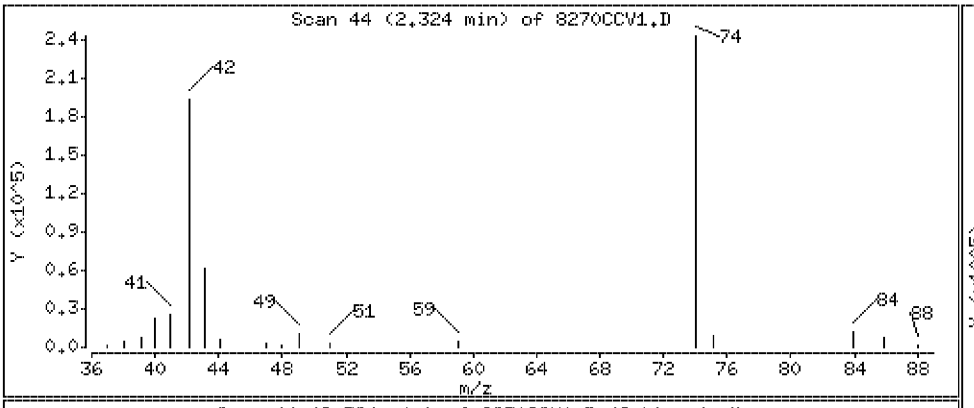
Operator: PEL

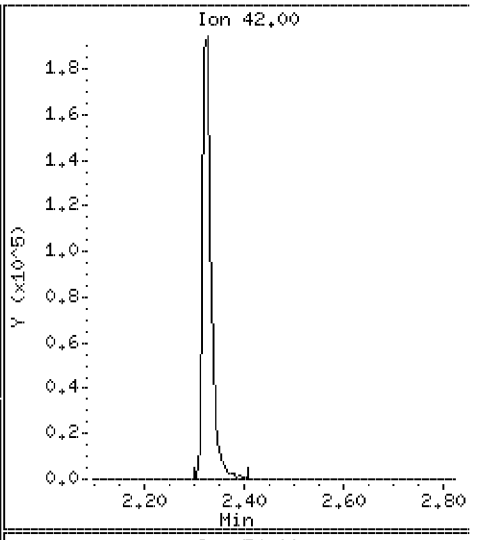
Column phase: HPMS-5

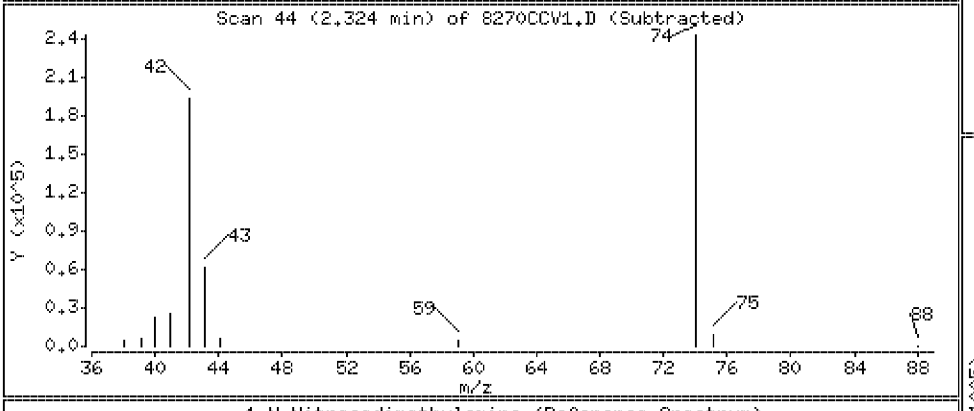
Column diameter: 0.25

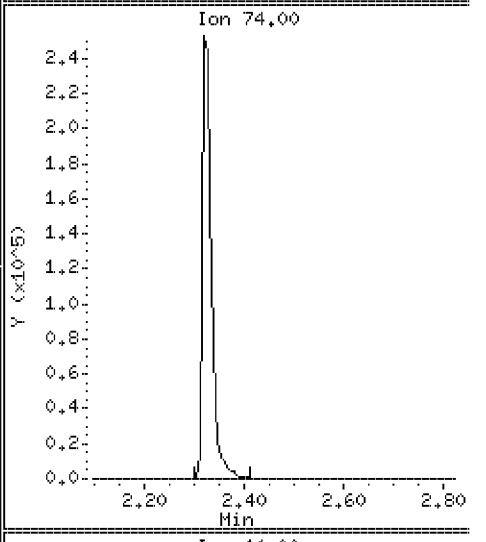
1 N-Nitrosodimethylamine

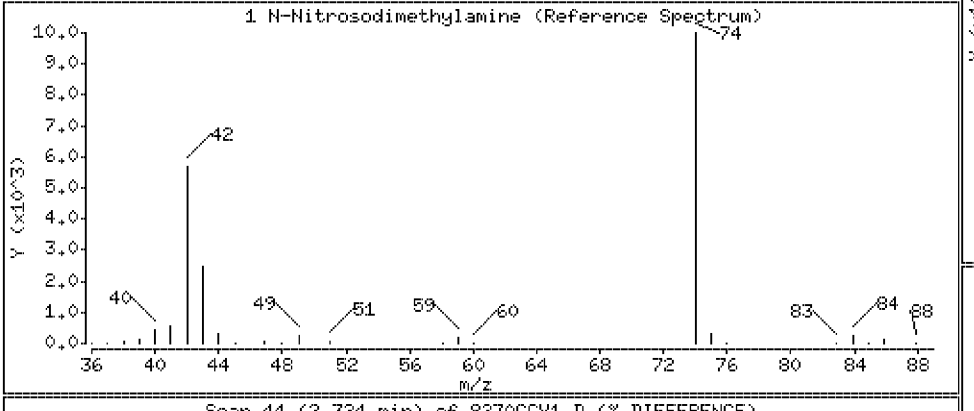
Concentration: 48.7 ug/l

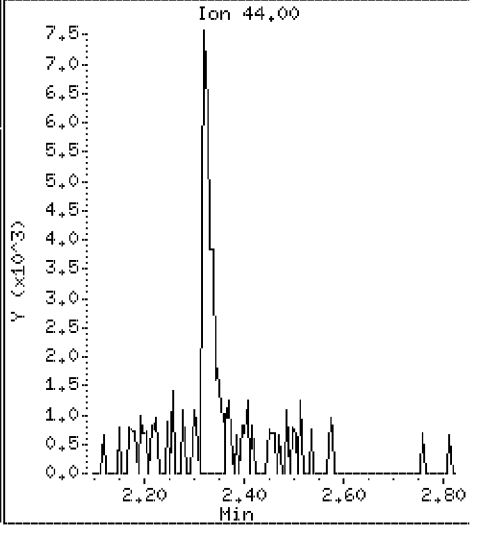


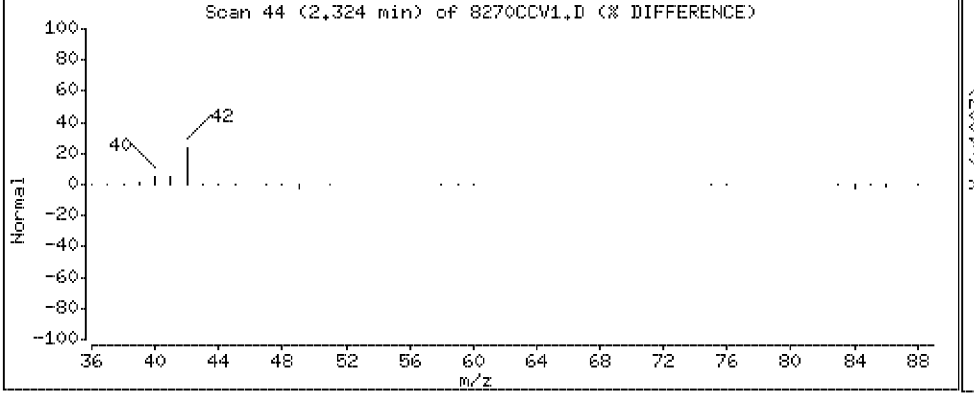












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

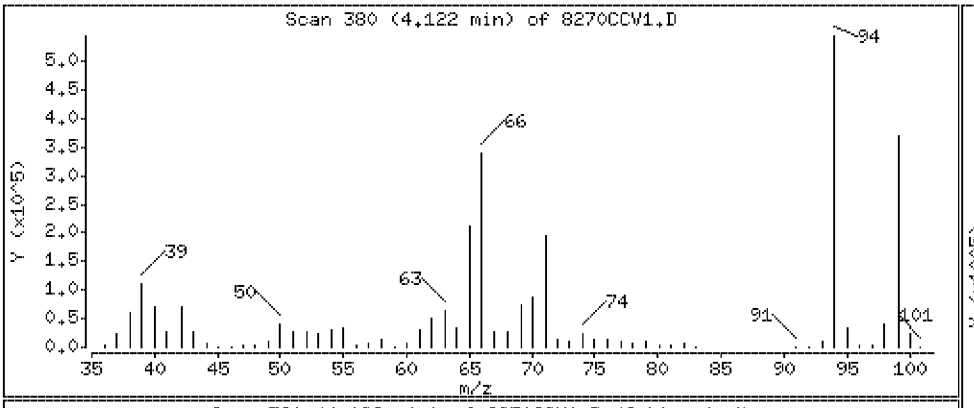
Operator: PEL

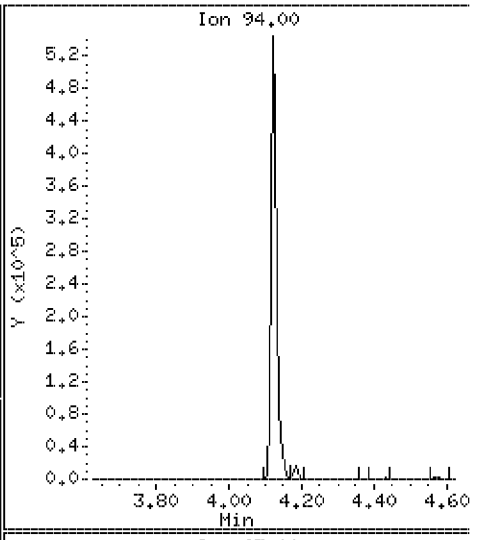
Column phase: HPMS-5

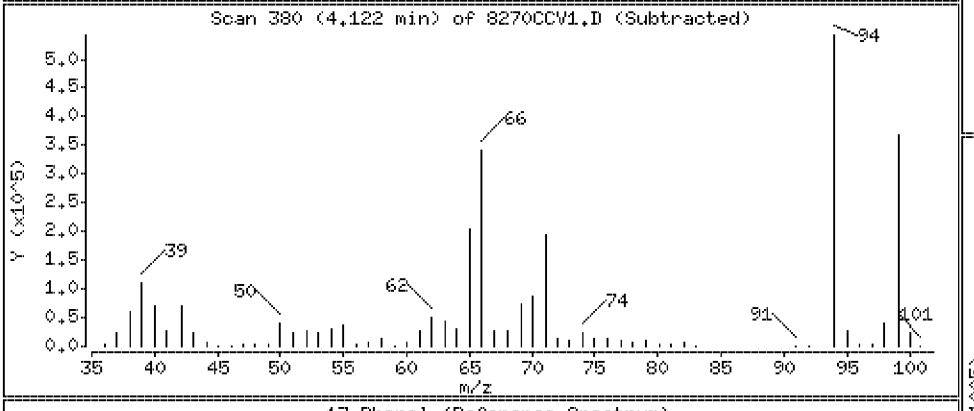
Column diameter: 0.25

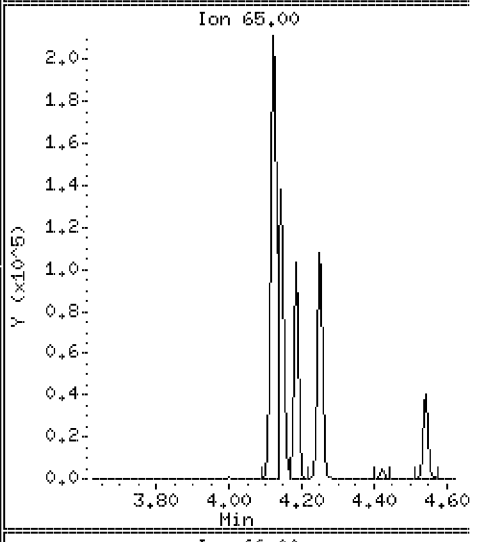
13 Phenol

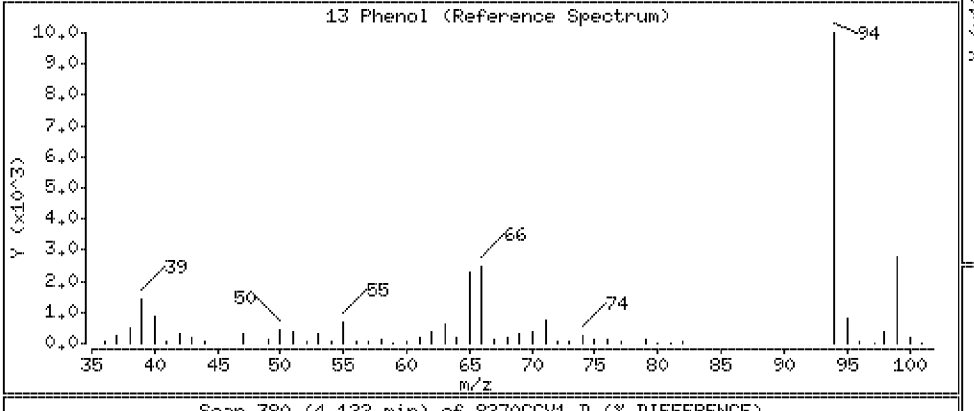
Concentration: 46.1 ug/l

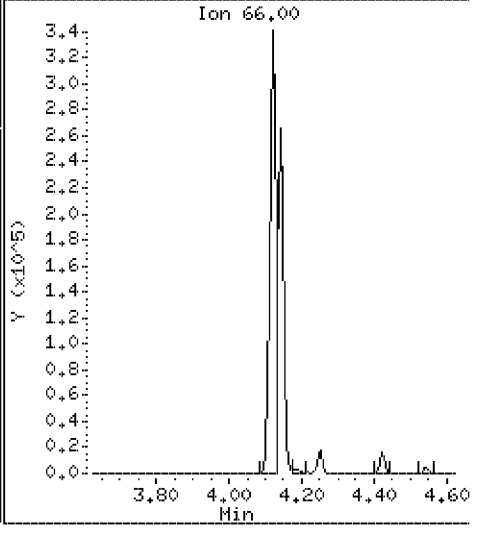


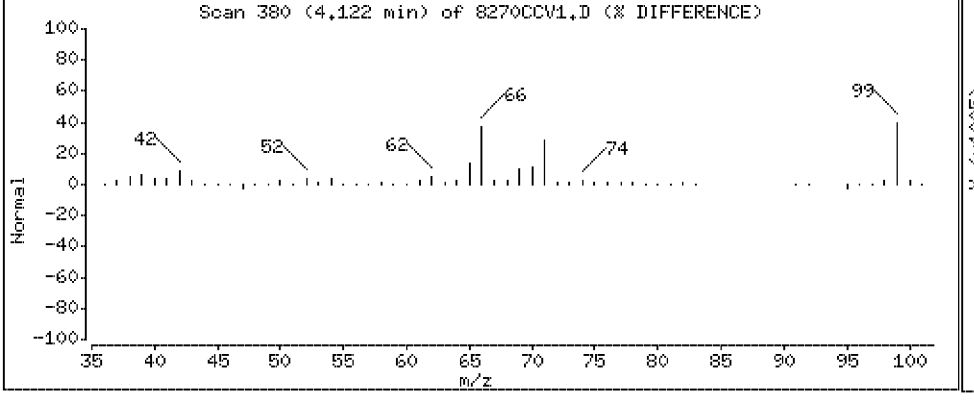












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

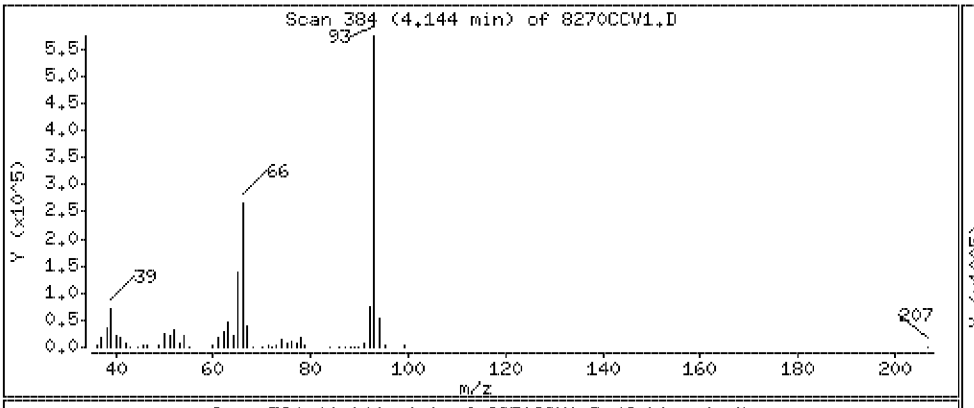
Operator: PEL

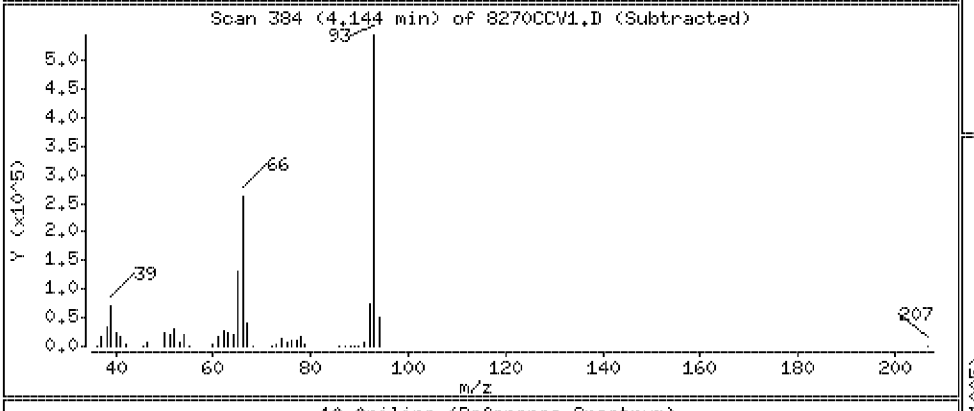
Column phase: HPMS-5

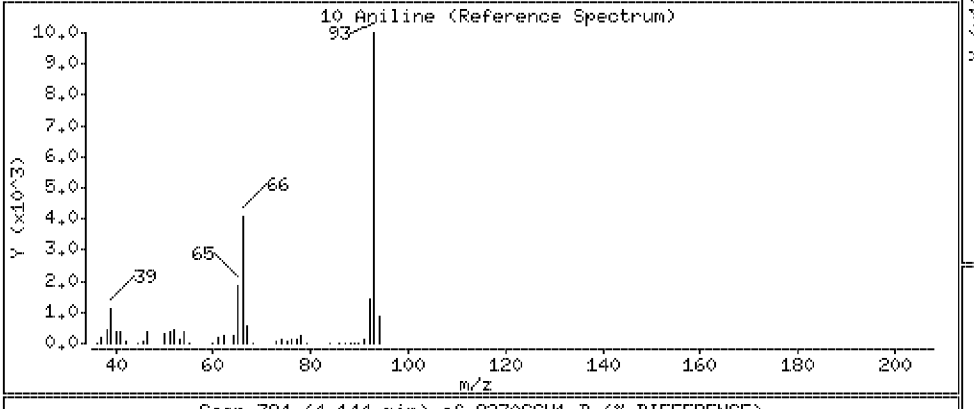
Column diameter: 0.25

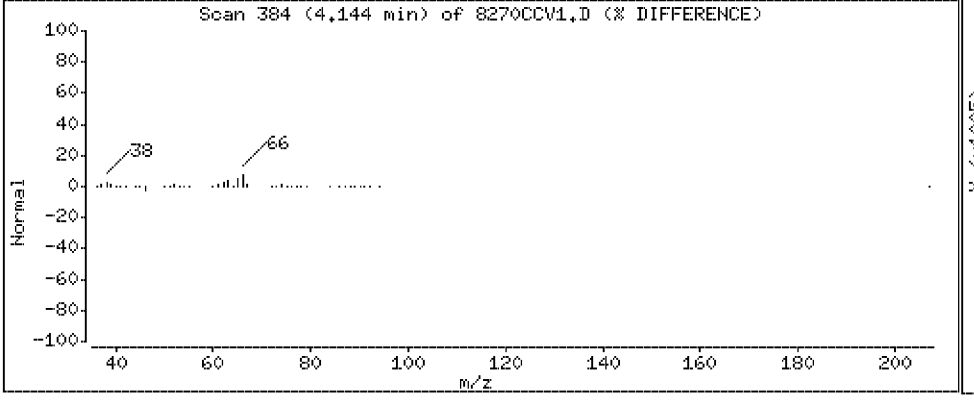
10 Aniline

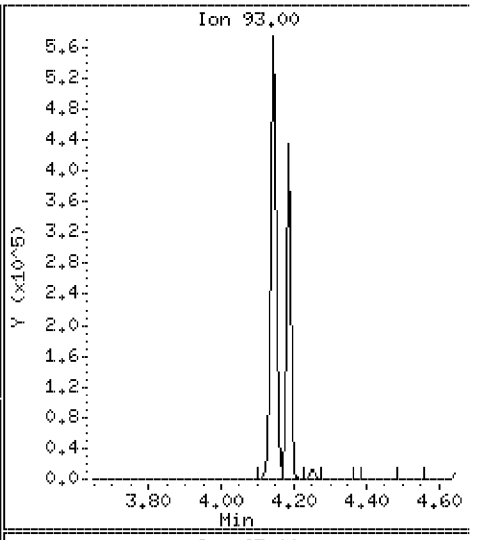
Concentration: 45.6 ug/l

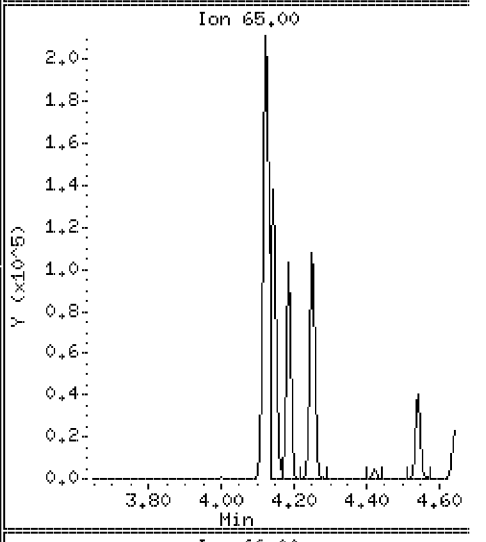


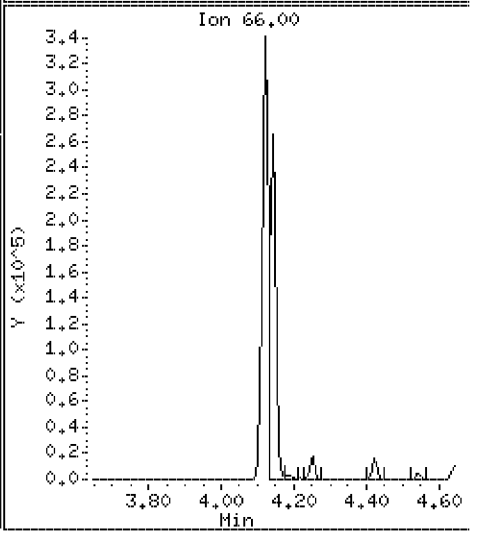












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

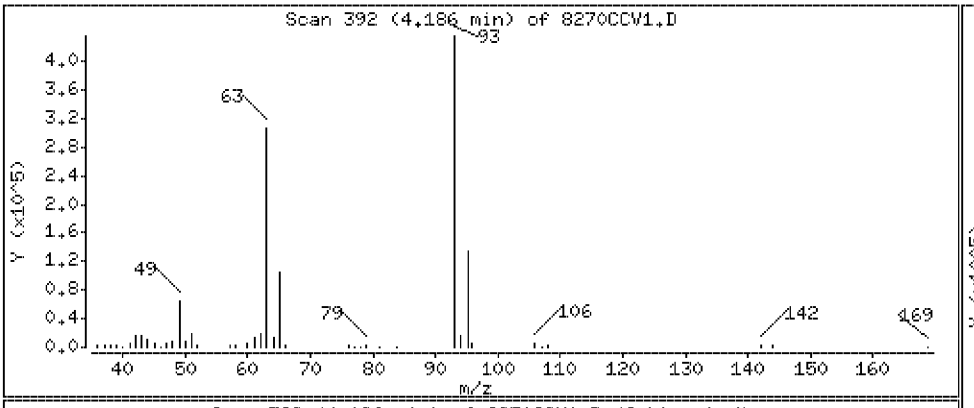
Operator: PEL

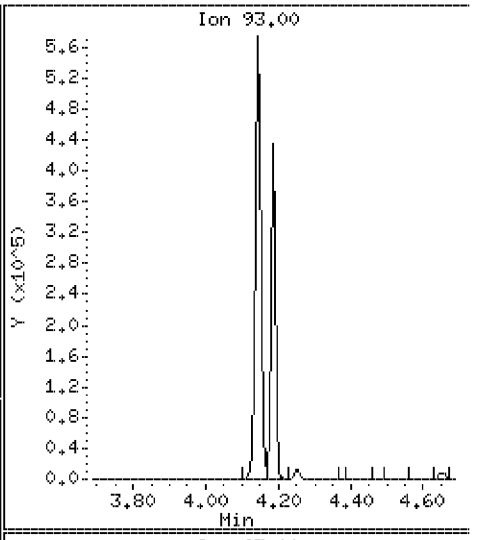
Column phase: HPMS-5

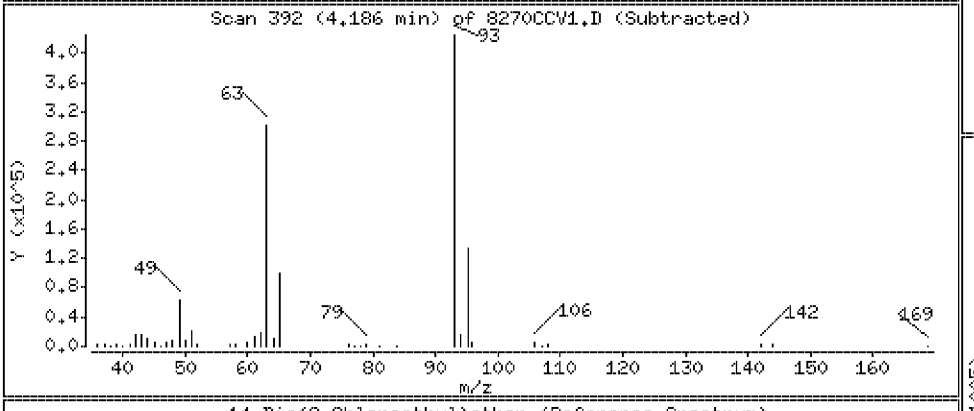
Column diameter: 0.25

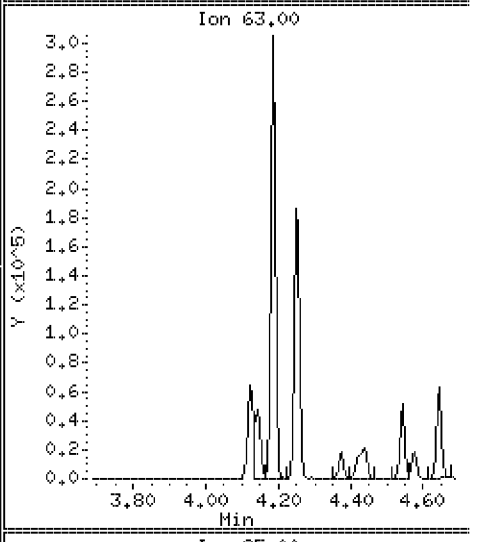
14 Bis(2-Chloroethyl)ether

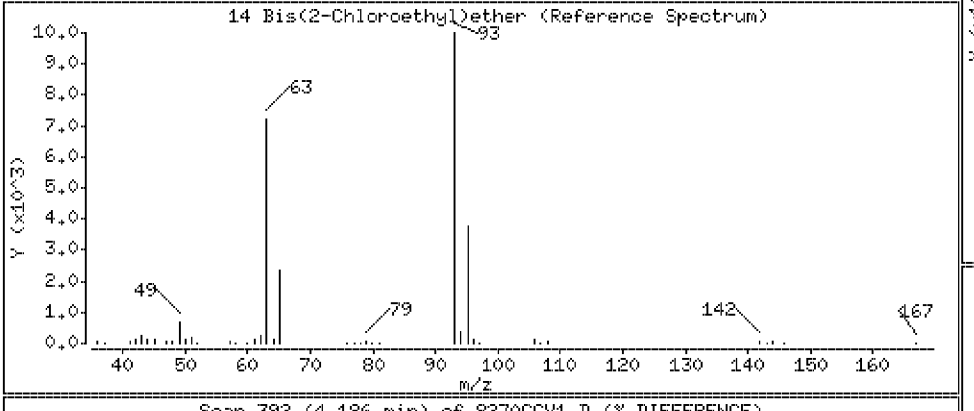
Concentration: 47.0 ug/l

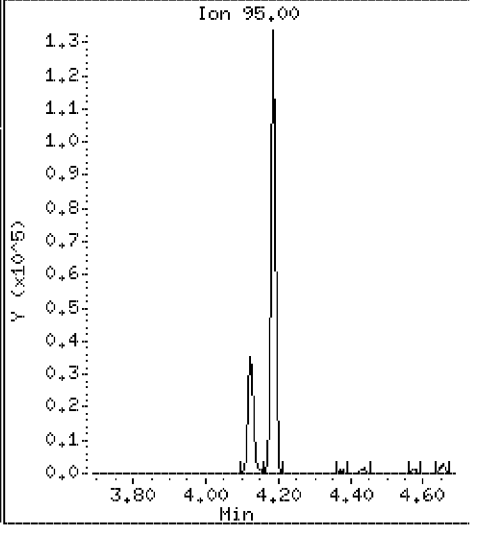


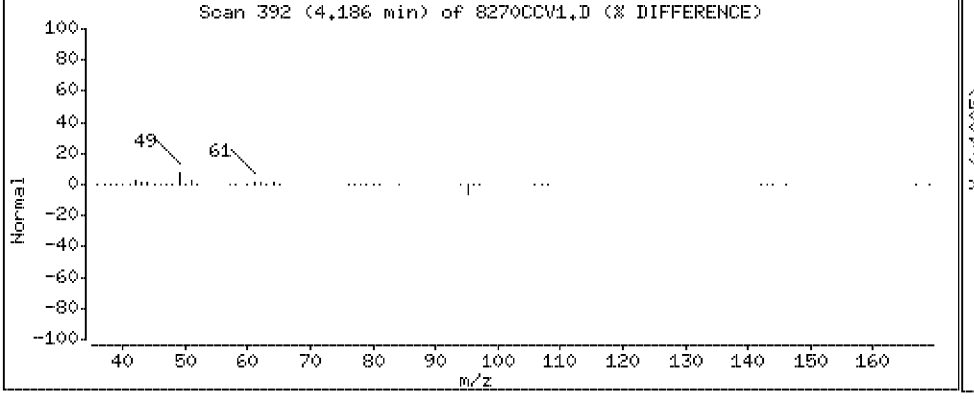












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

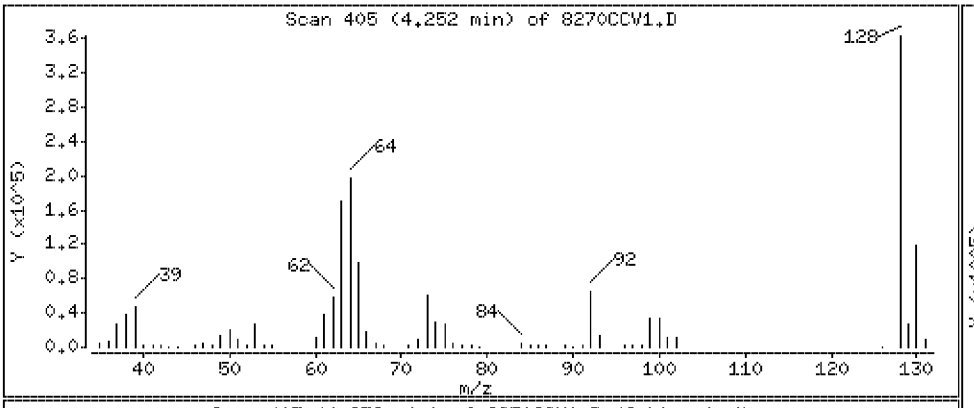
Operator: PEL

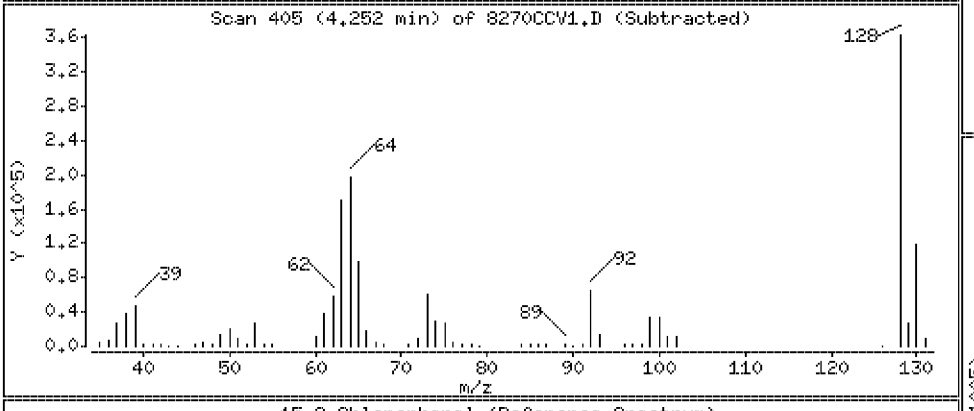
Column phase: HPMS-5

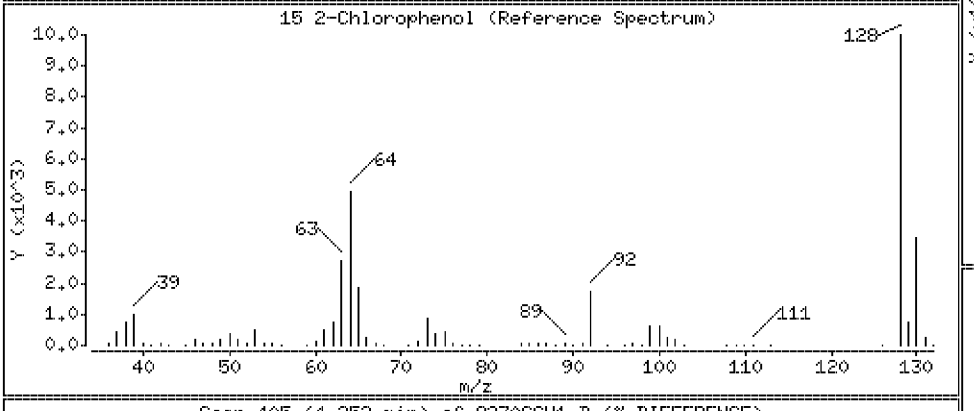
Column diameter: 0.25

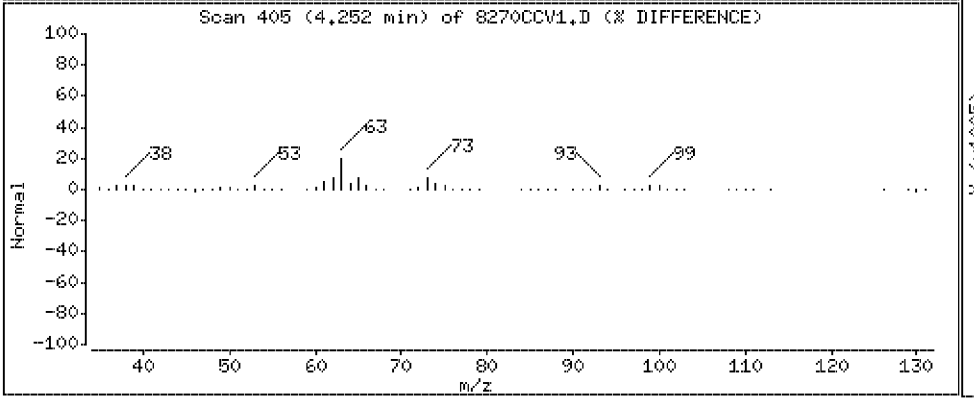
15 2-Chlorophenol

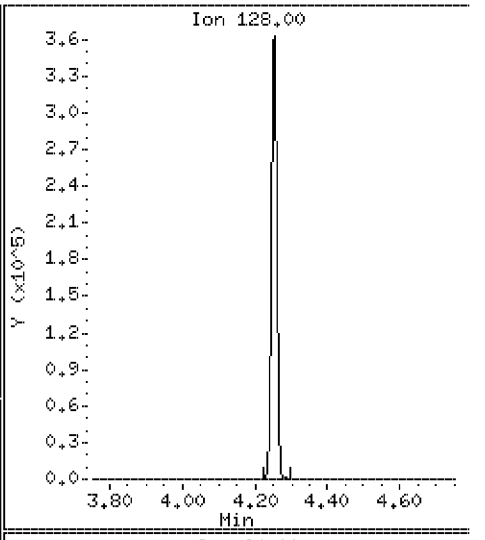
Concentration: 46.0 ug/l

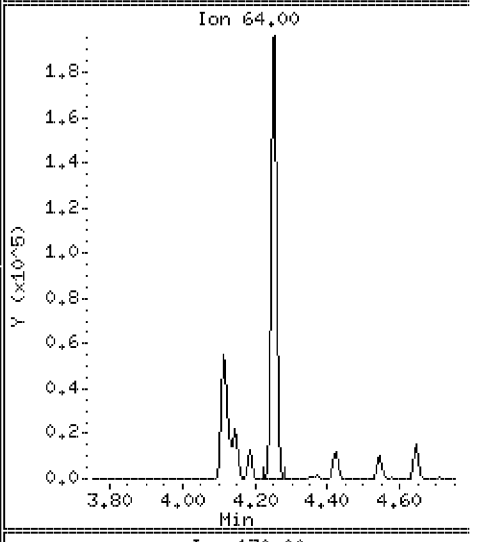


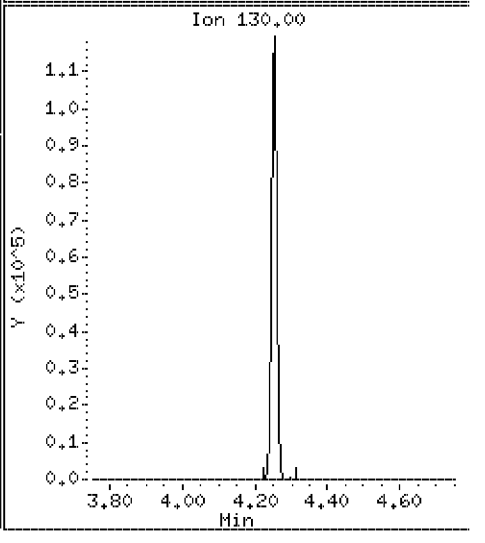












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

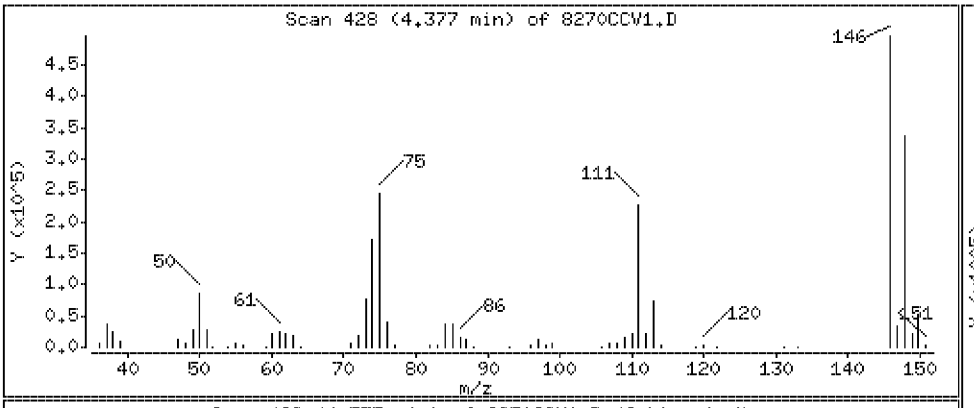
Operator: PEL

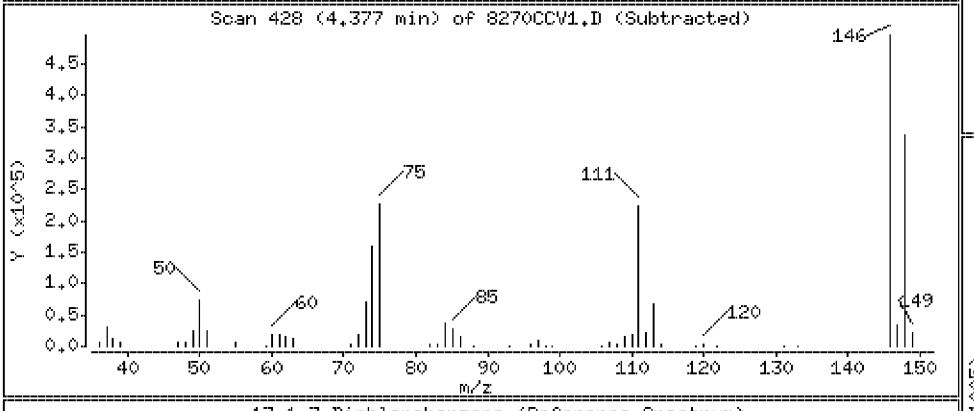
Column phase: HPMS-5

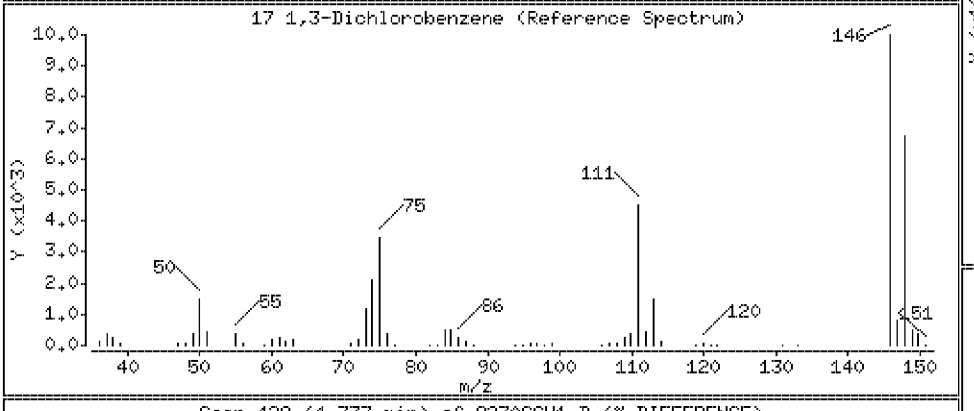
Column diameter: 0.25

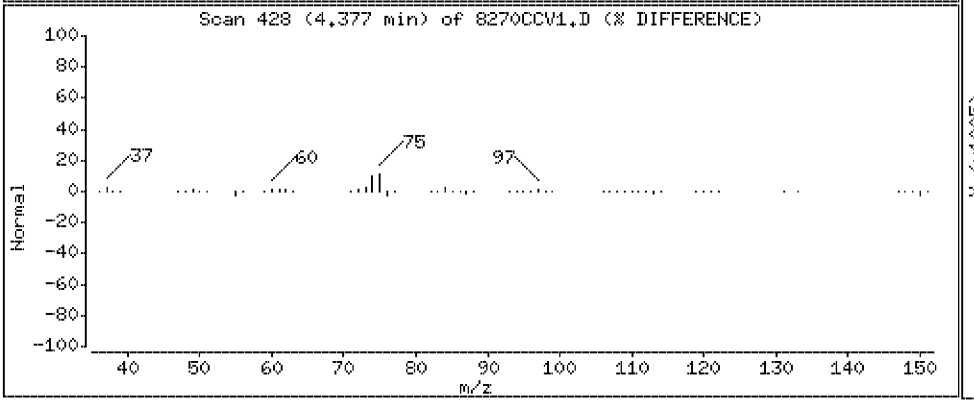
17 1,3-Dichlorobenzene

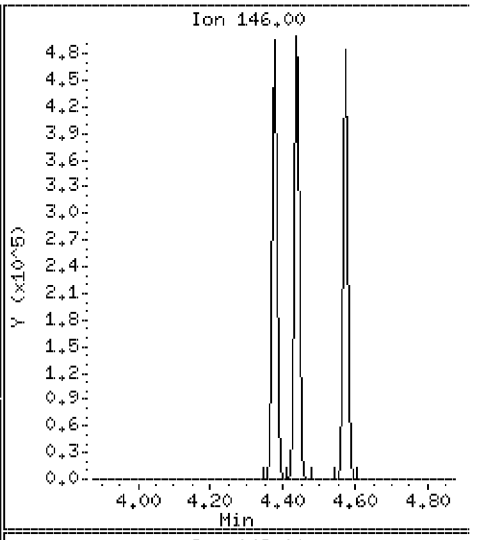
Concentration: 45.8 ug/l

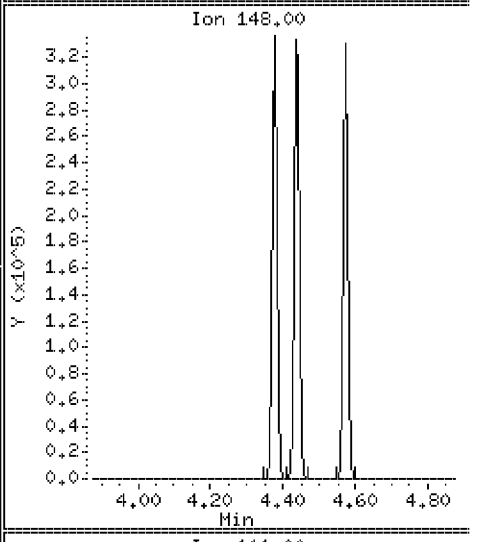


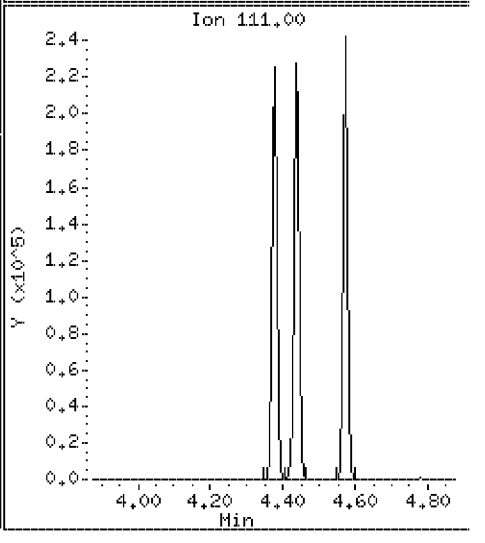












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

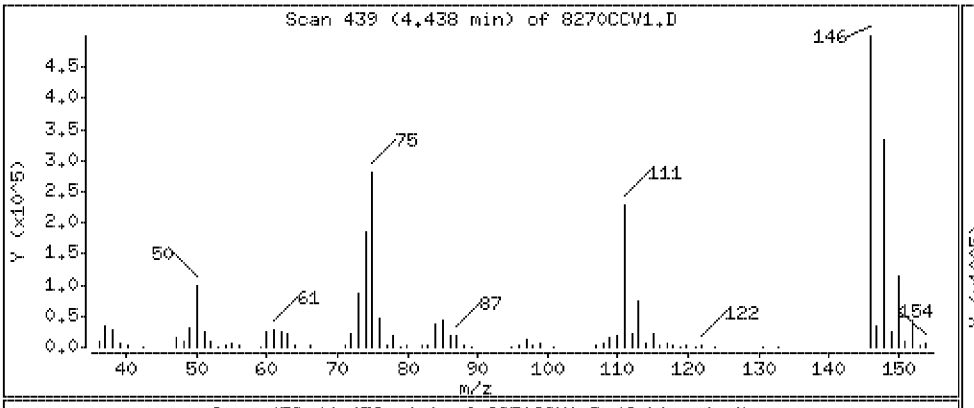
Operator: PEL

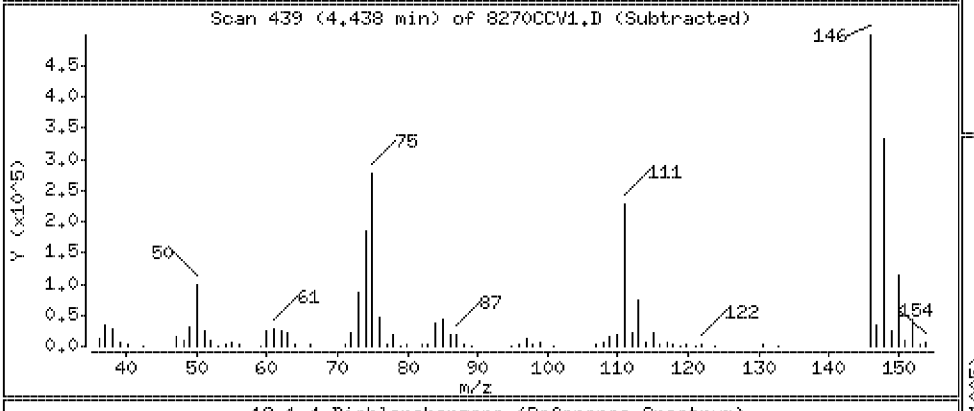
Column phase: HPMS-5

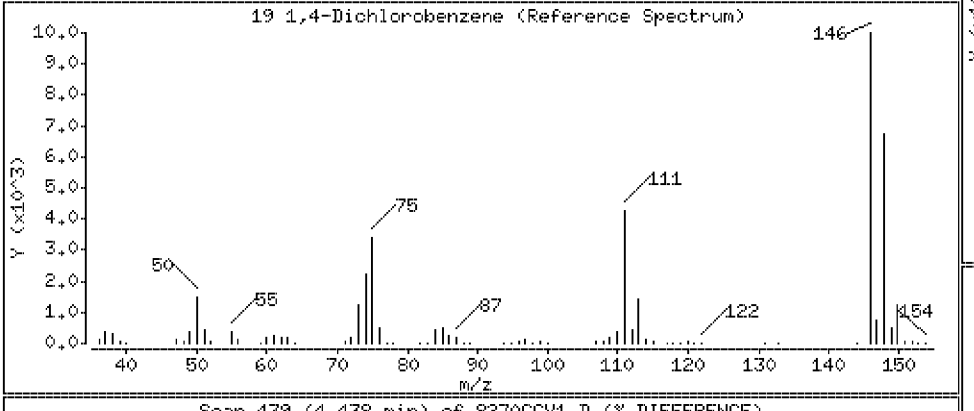
Column diameter: 0.25

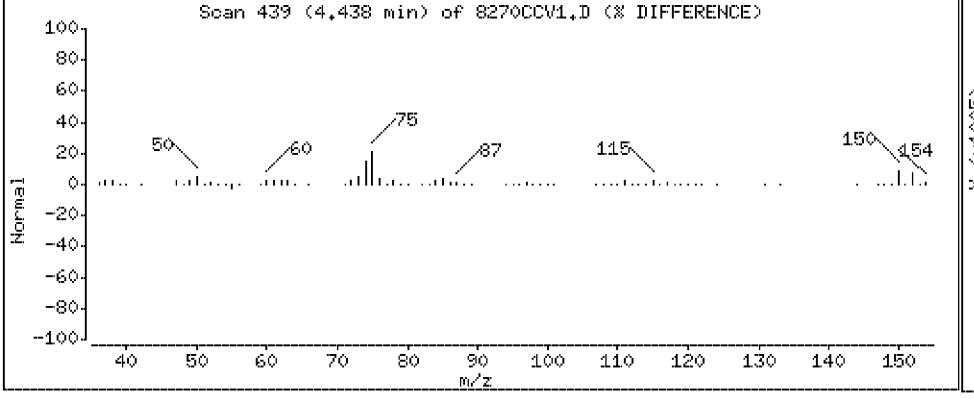
19 1,4-Dichlorobenzene

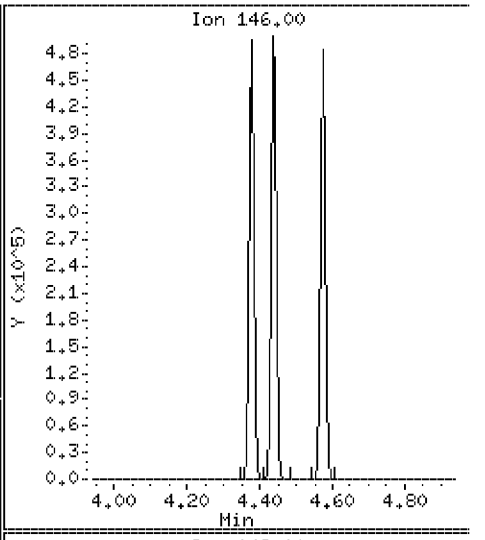
Concentration: 45.8 ug/l

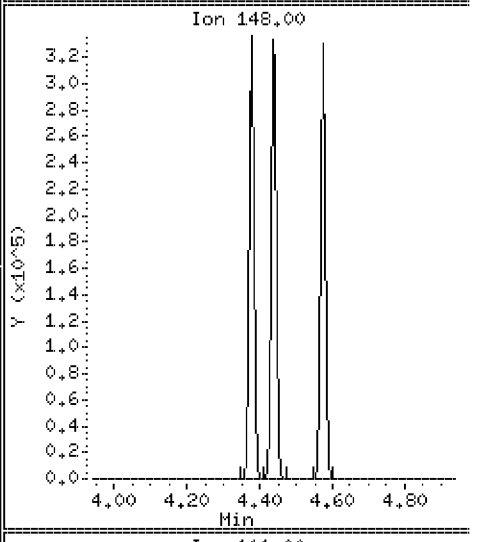


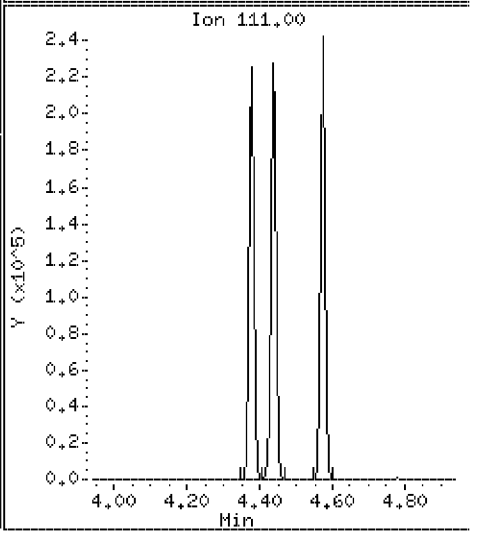












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

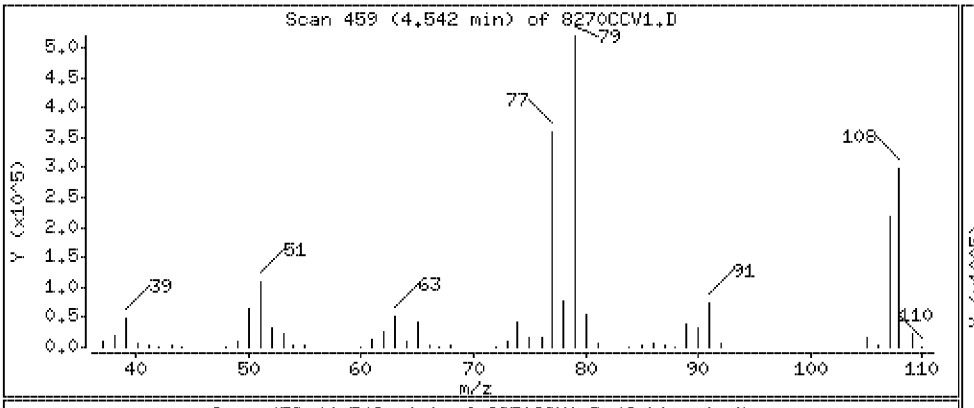
Operator: PEL

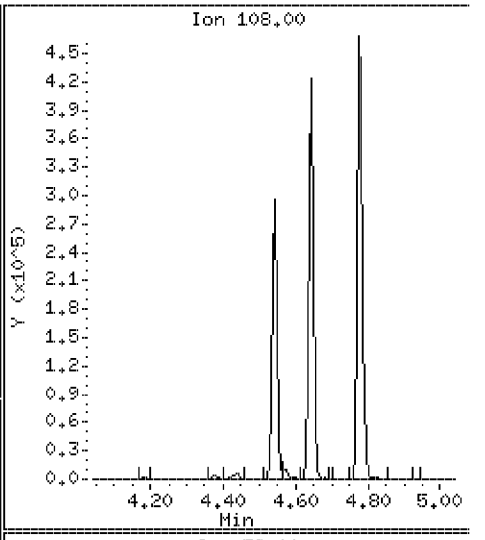
Column phase: HPMS-5

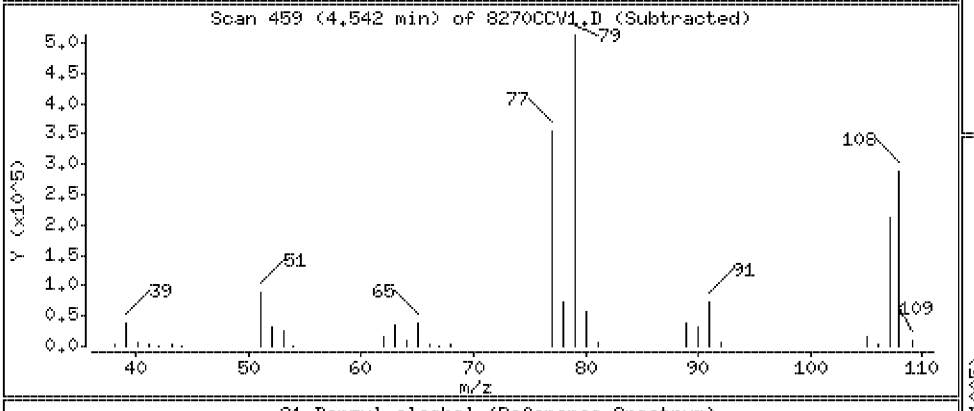
Column diameter: 0.25

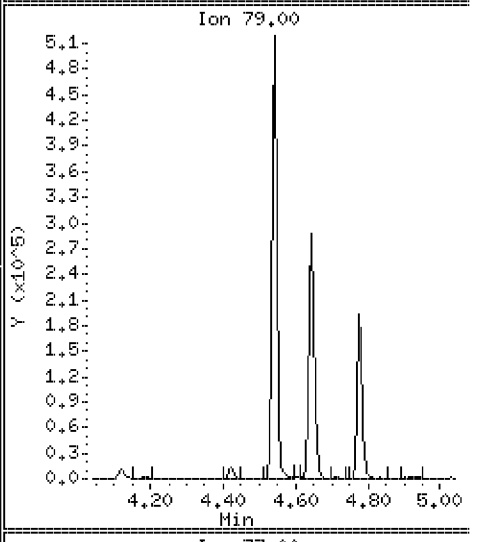
21 Benzyl alcohol

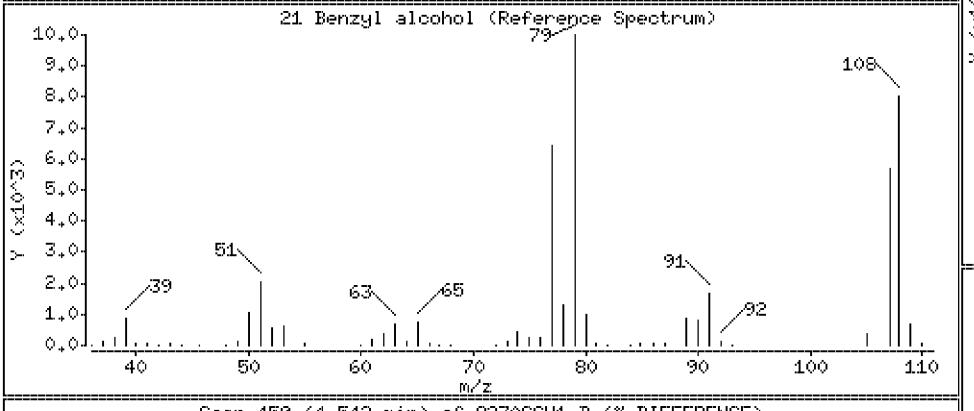
Concentration: 47.7 ug/l

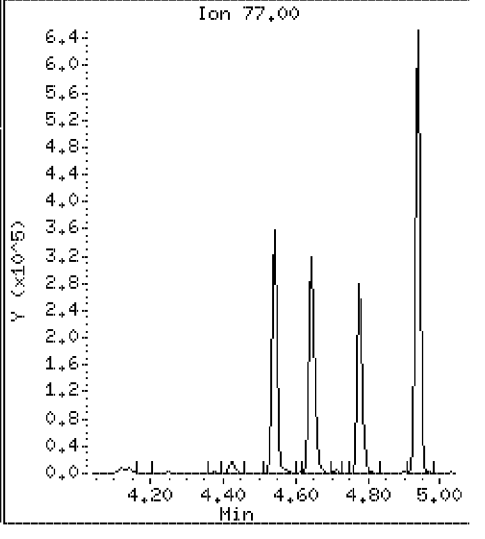


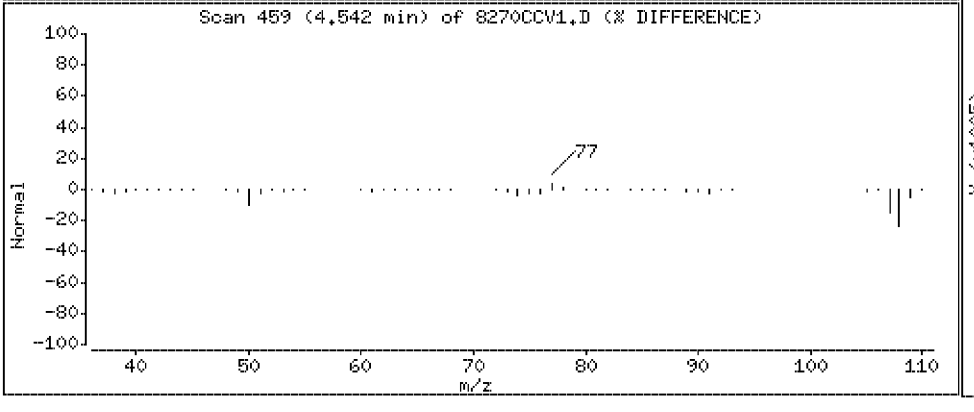












Date : 26-APR-2012 11:08

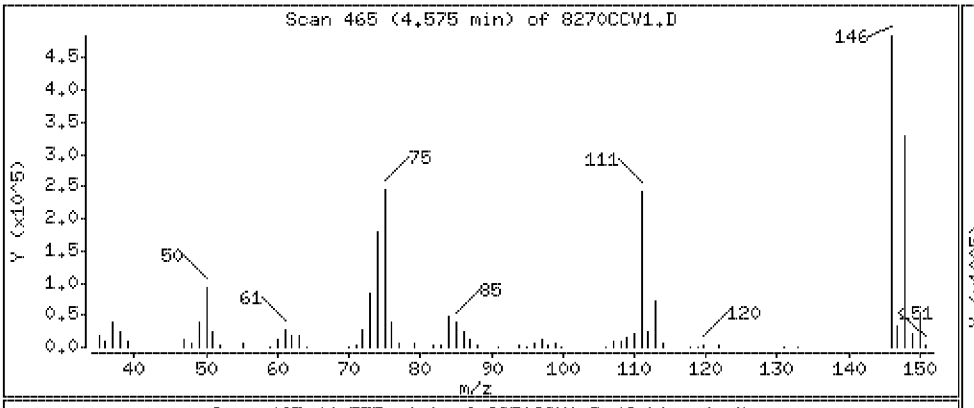
Client ID: 8270CCV1 Instrument: smsd03.i

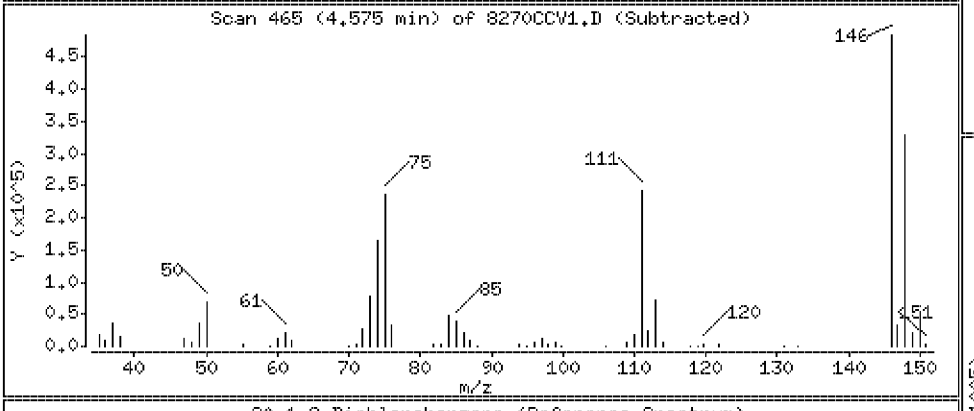
Sample Info: 45924

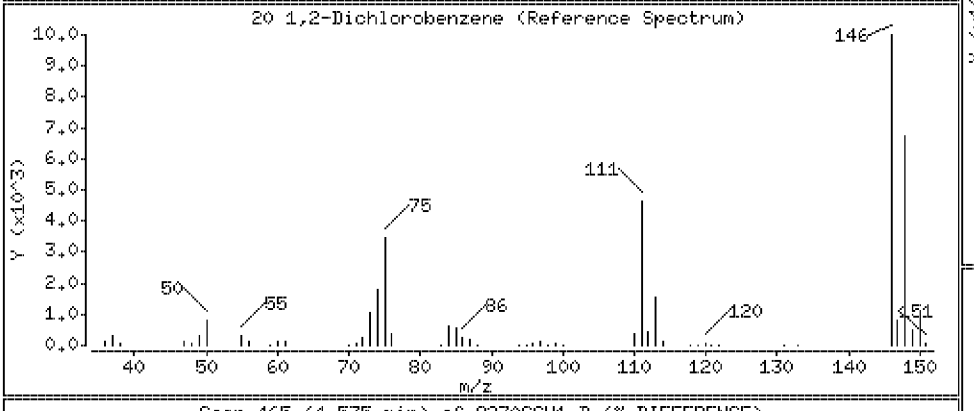
Purge Volume: 1000.0 Operator: PEL

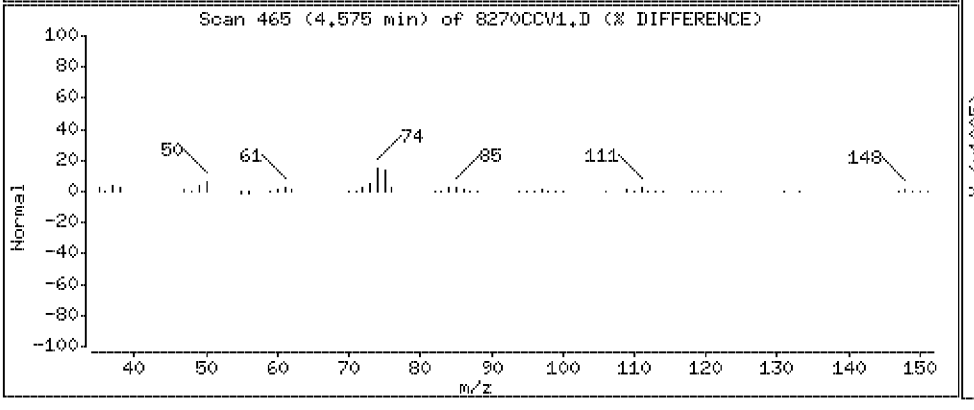
Column phase: HPMS-5 Column diameter: 0.25

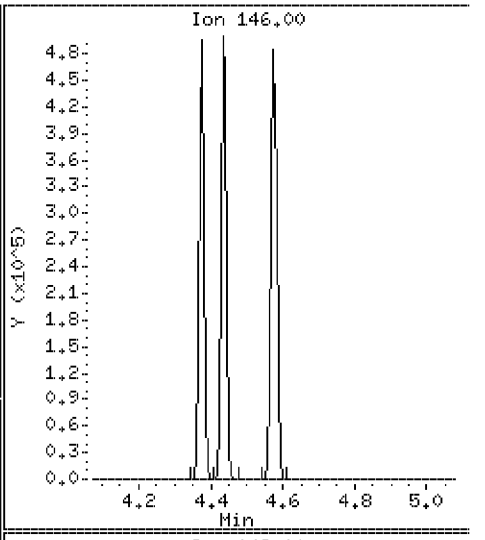
20 1,2-Dichlorobenzene Concentration: 46.2 ug/l

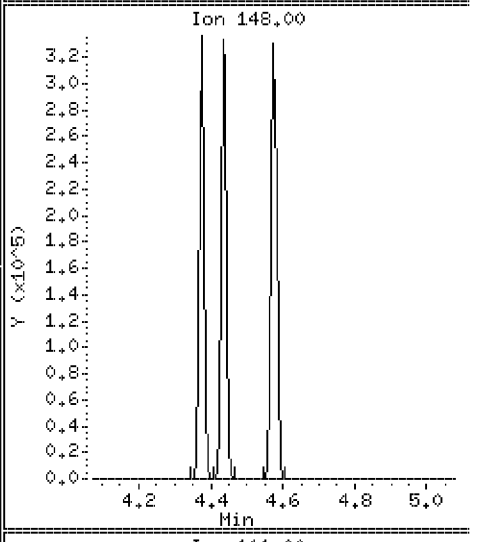


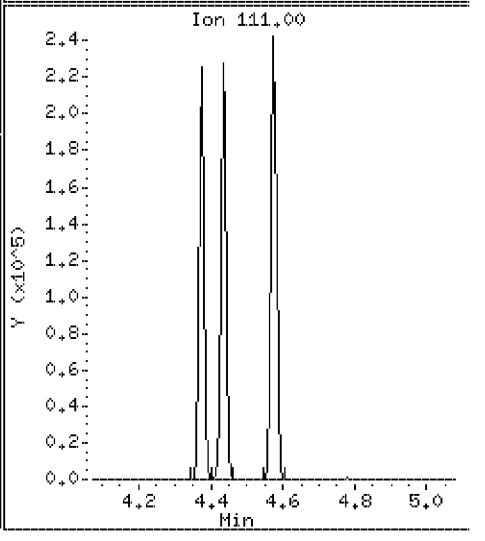












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

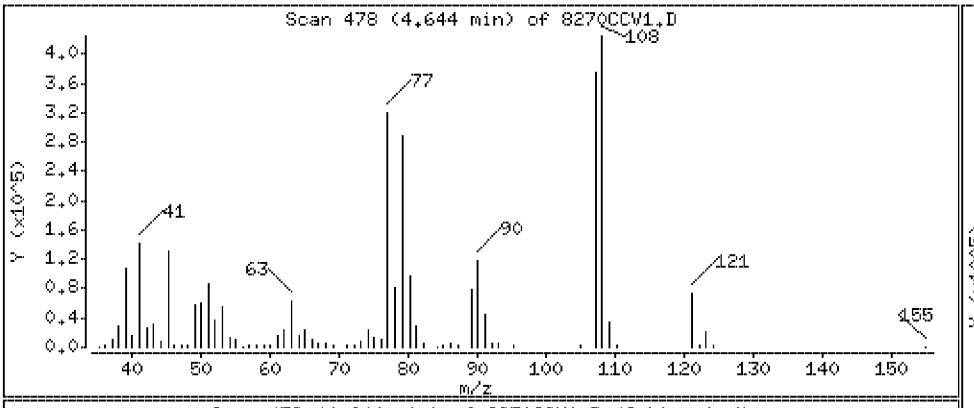
Operator: PEL

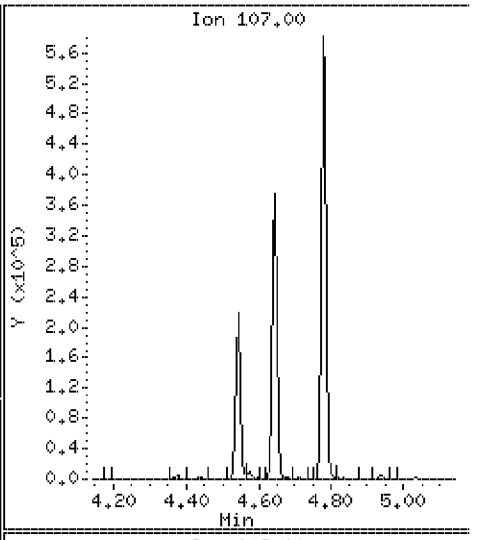
Column phase: HPMS-5

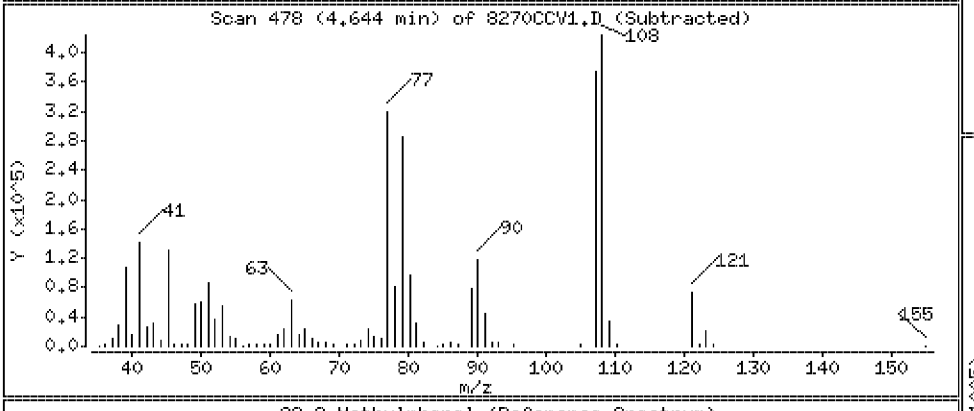
Column diameter: 0.25

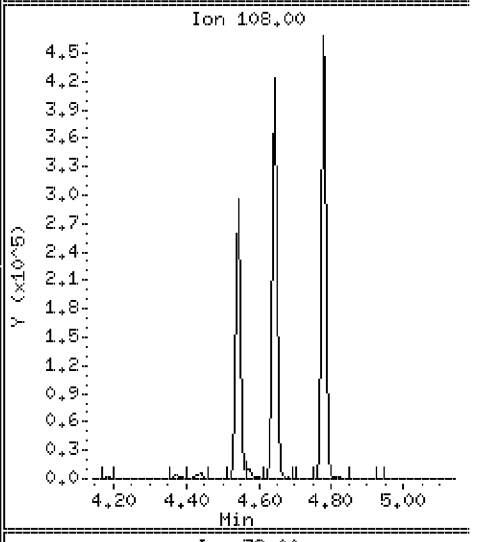
22 2-Methylphenol

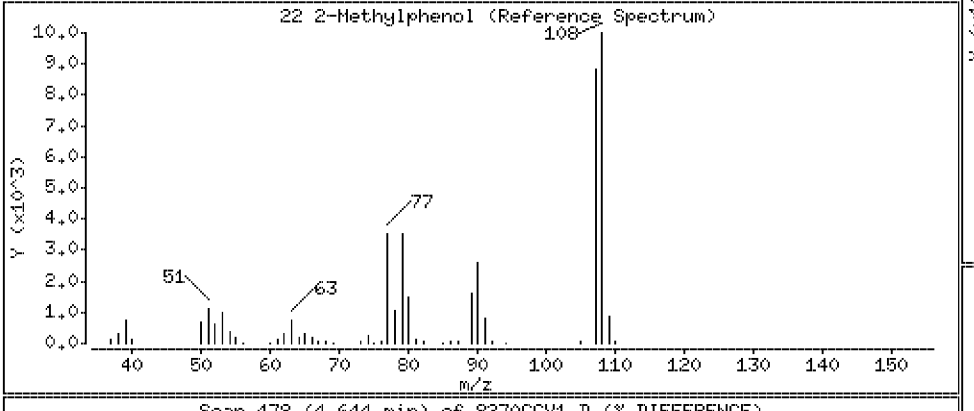
Concentration: 46.6 ug/l

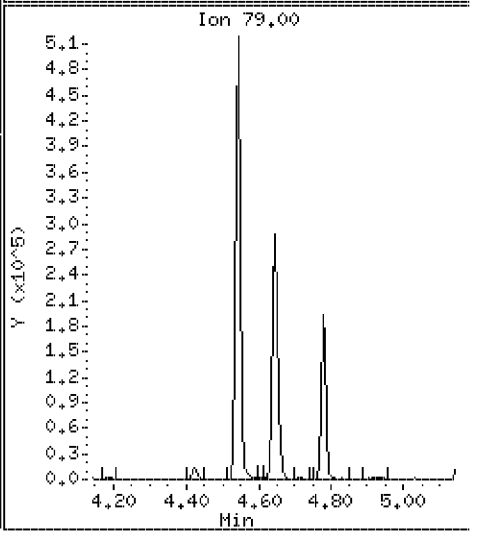


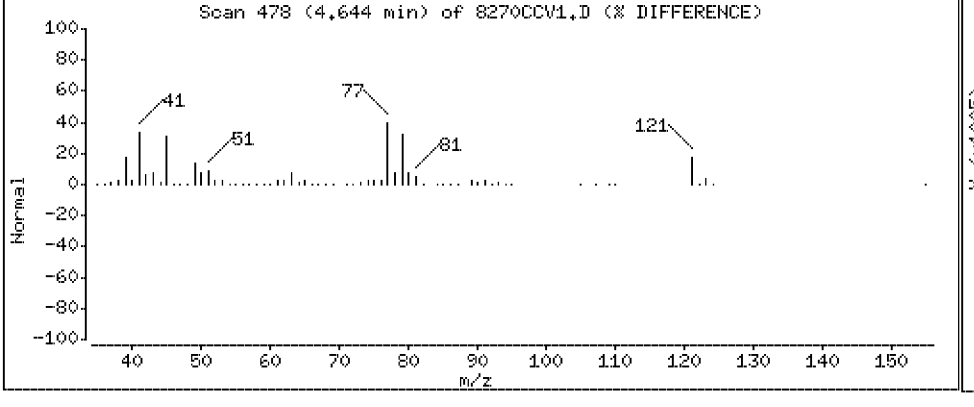












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

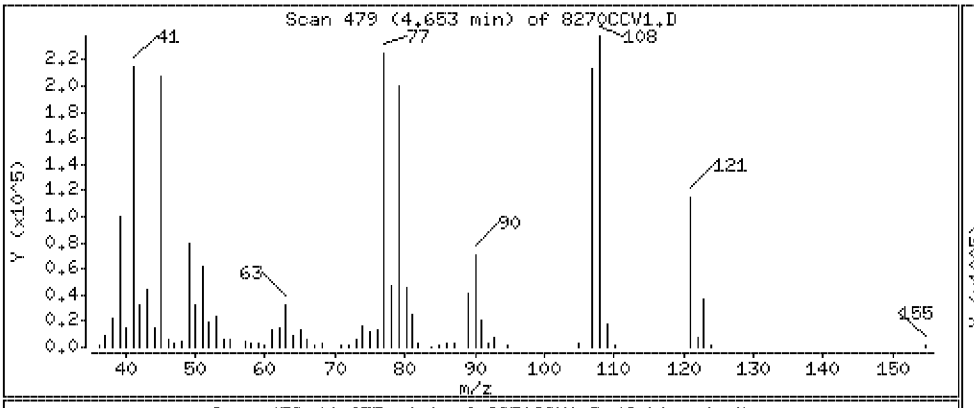
Operator: PEL

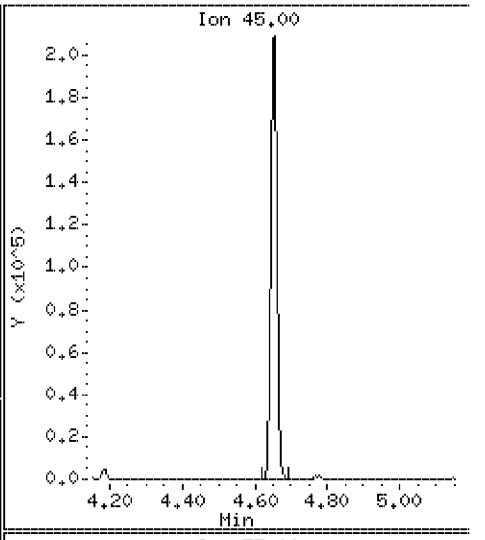
Column phase: HPMS-5

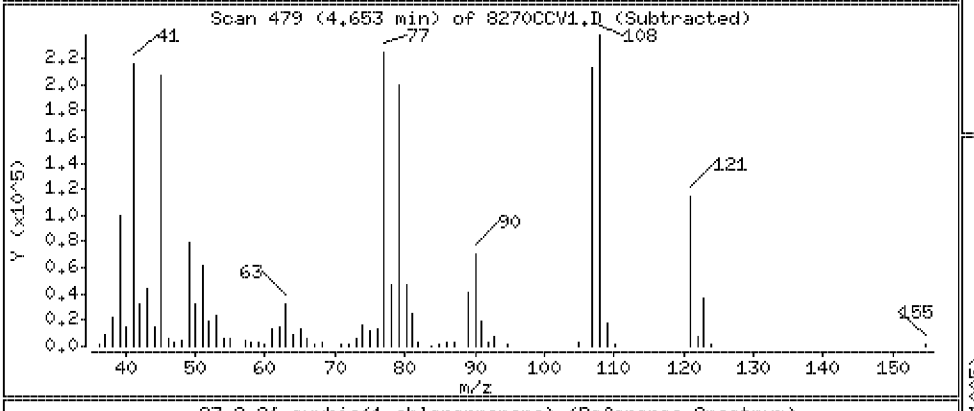
Column diameter: 0.25

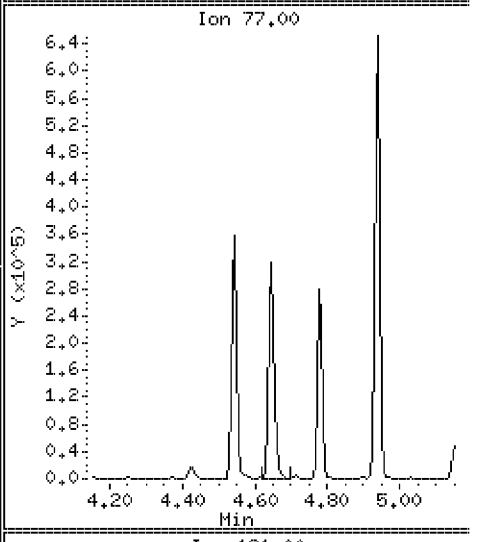
23 2,2'-oxybis(1-chloropropane)

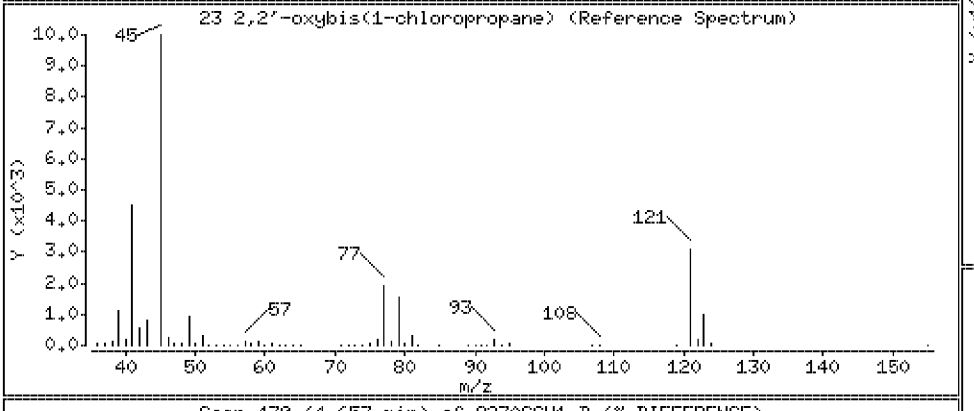
Concentration: 45.2 ug/l

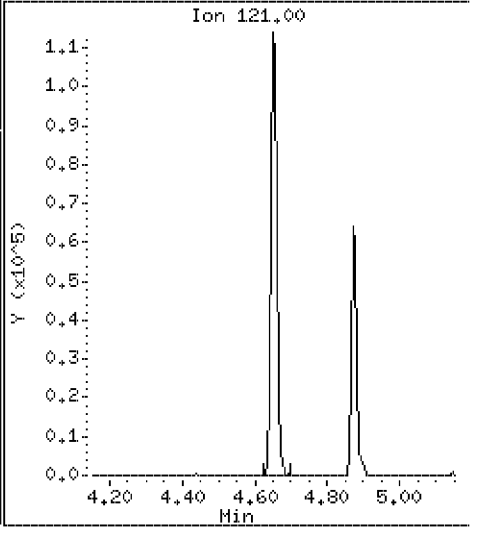


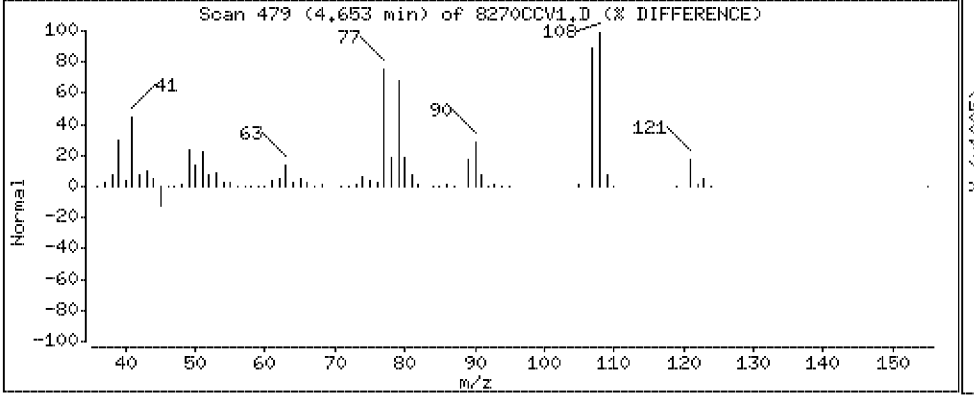












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

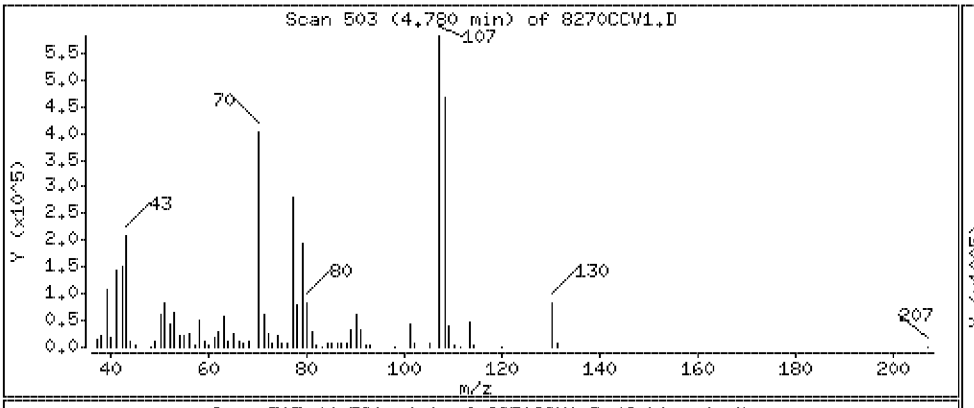
Operator: PEL

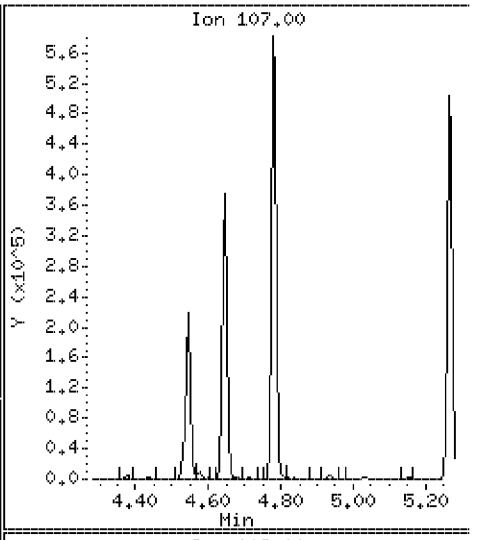
Column phase: HPMS-5

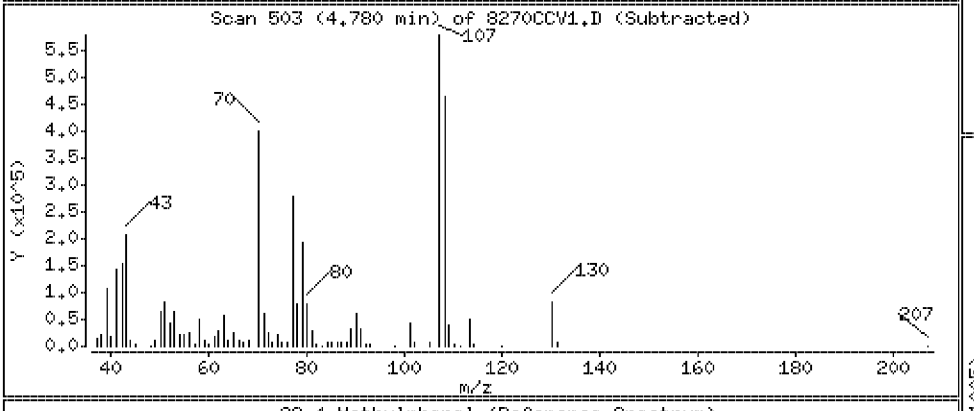
Column diameter: 0.25

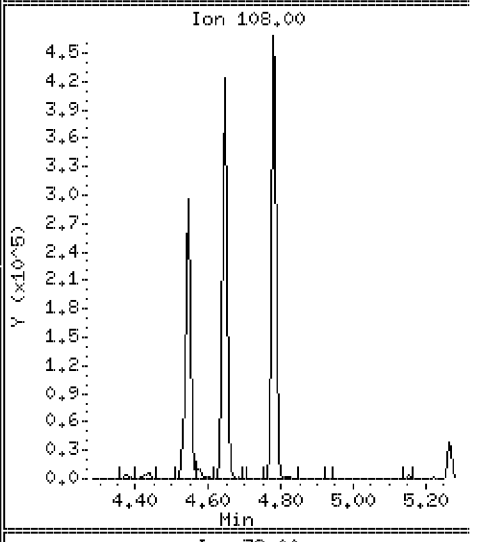
28 4-Methylphenol

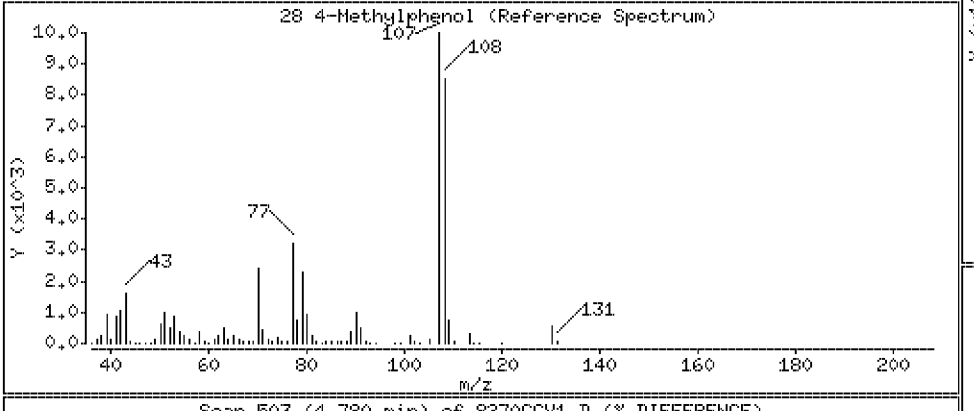
Concentration: 48.5 ug/l

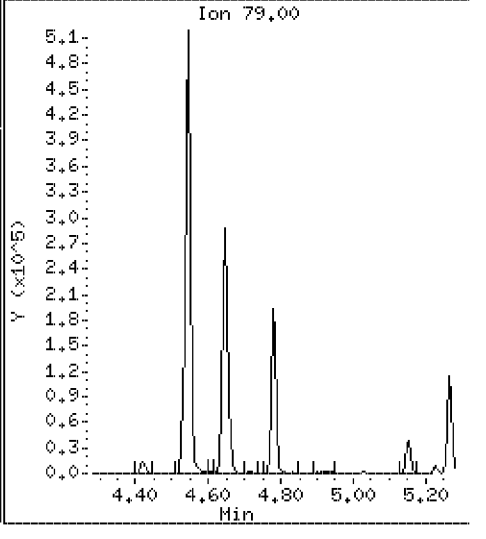


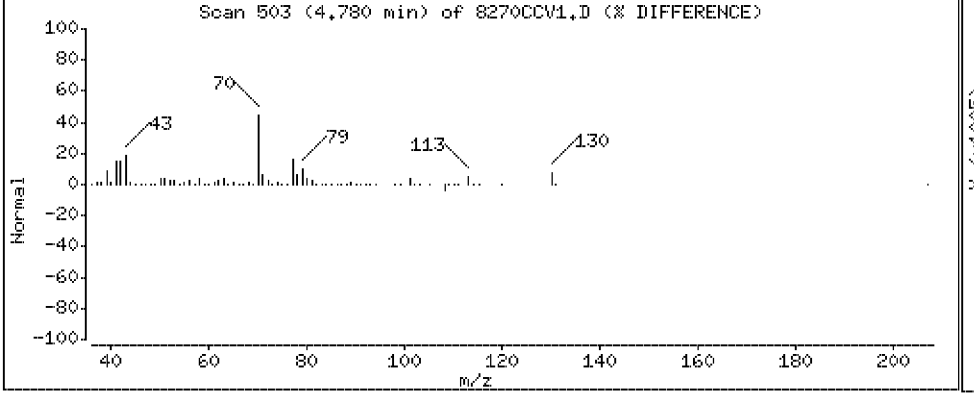












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

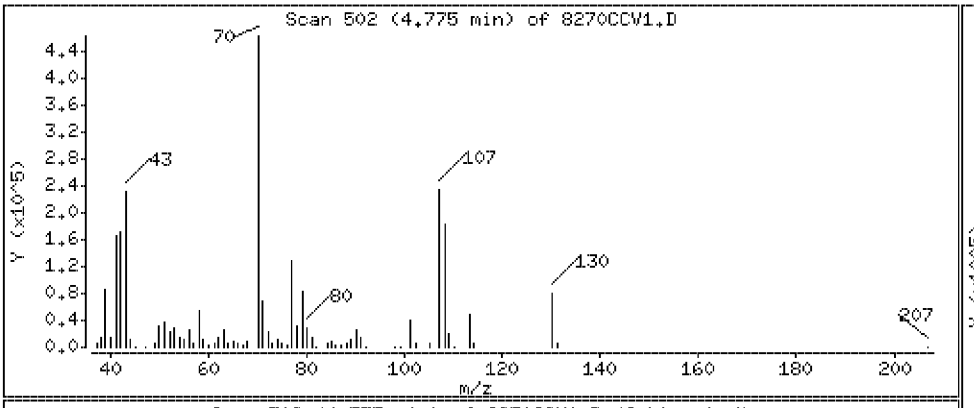
Operator: PEL

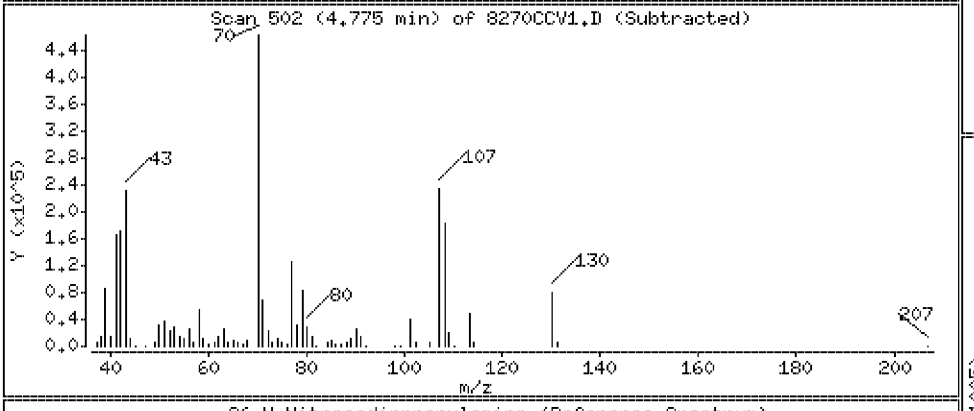
Column phase: HPMS-5

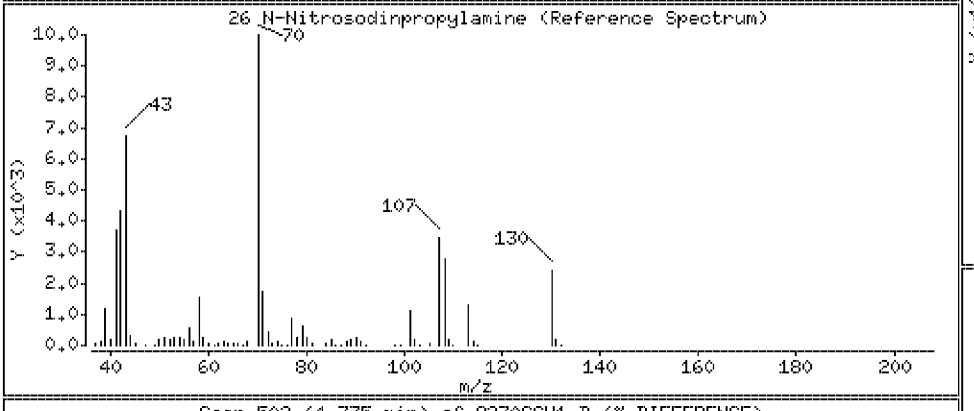
Column diameter: 0.25

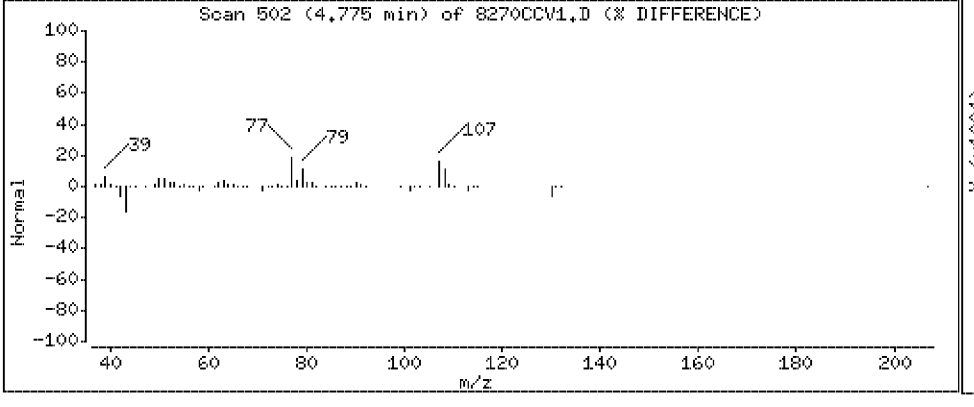
26 N-Nitrosodinpropylamine

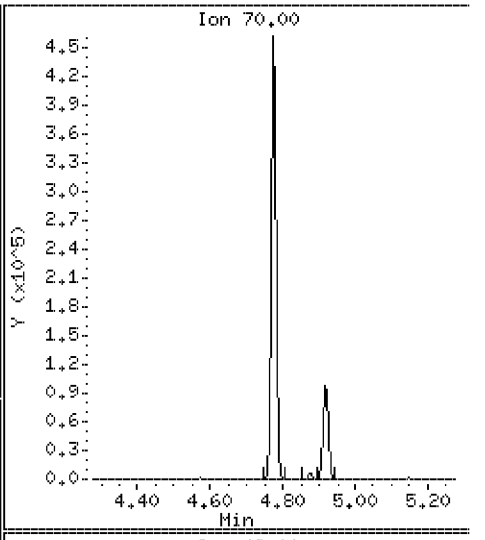
Concentration: 49.8 ug/l

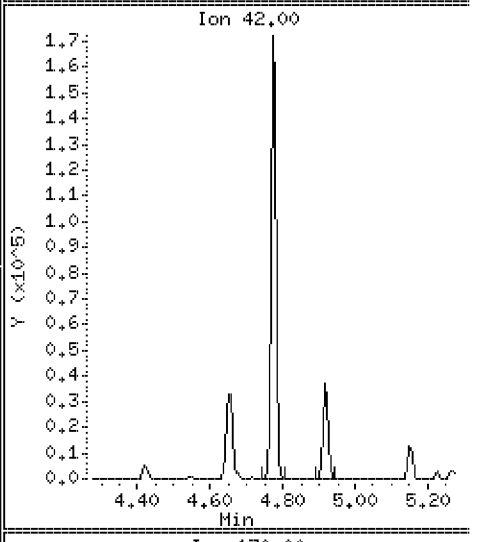


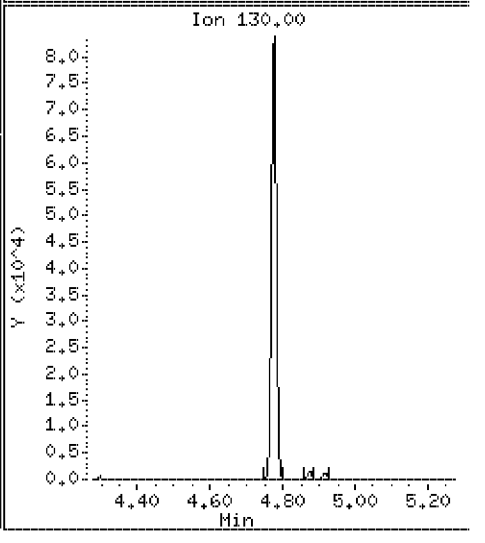












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

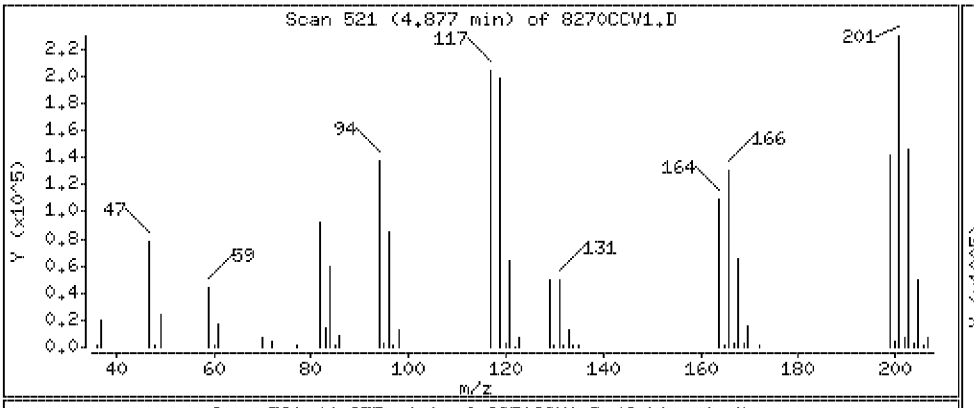
Operator: PEL

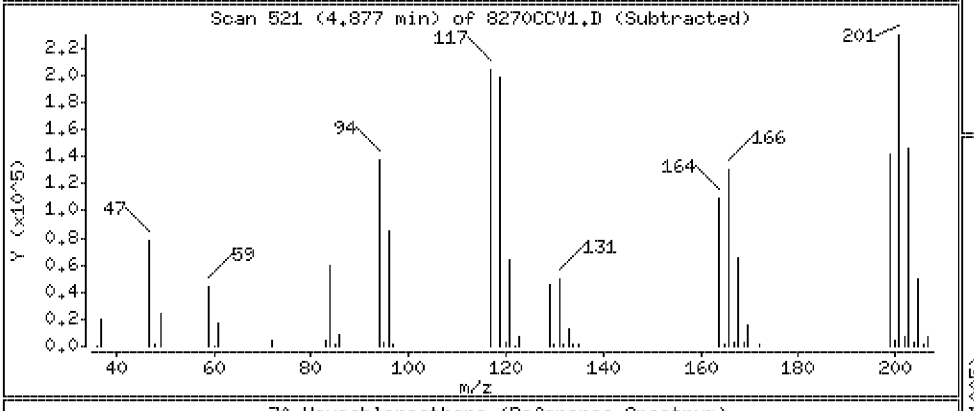
Column phase: HPMS-5

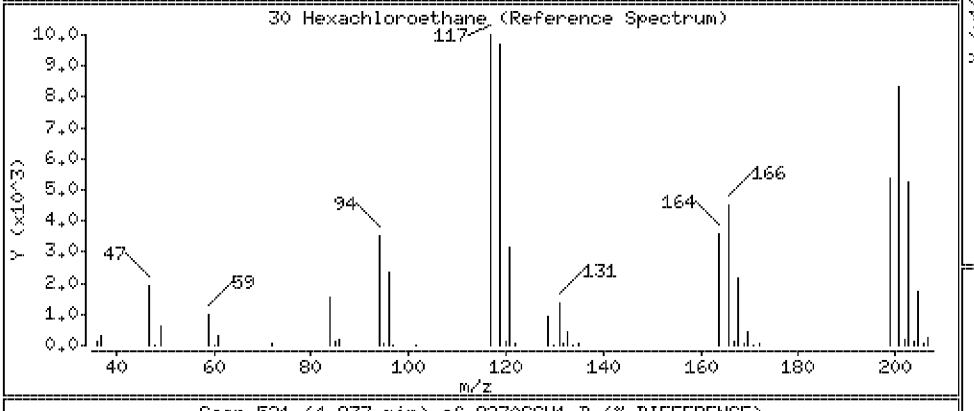
Column diameter: 0.25

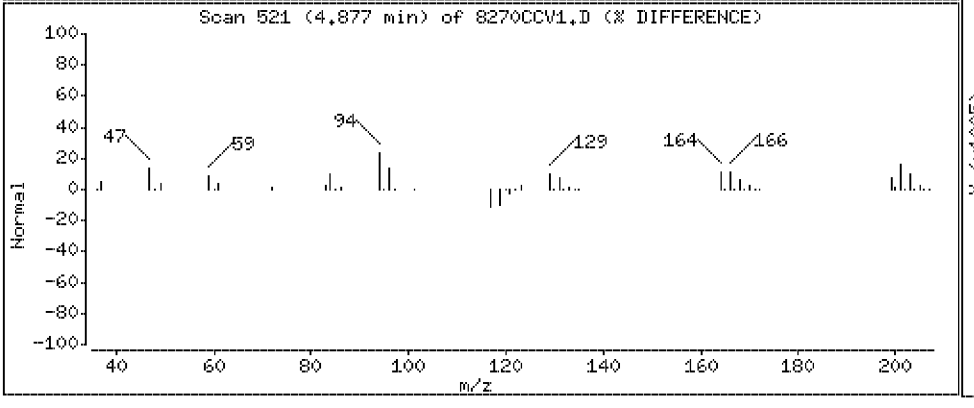
30 Hexachloroethane

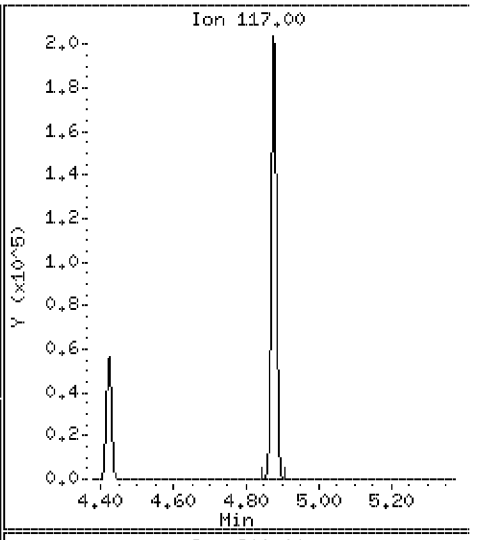
Concentration: 47.9 ug/l

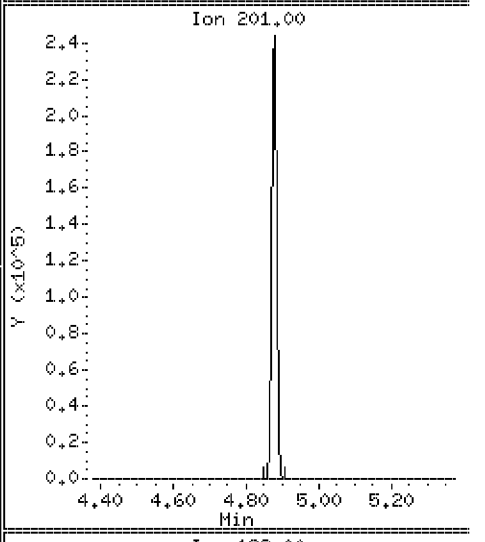


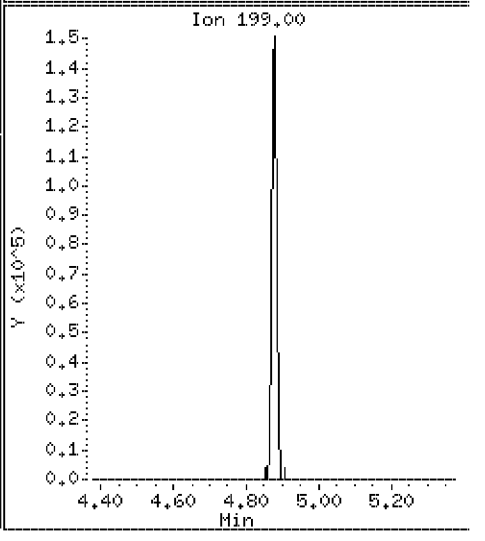












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

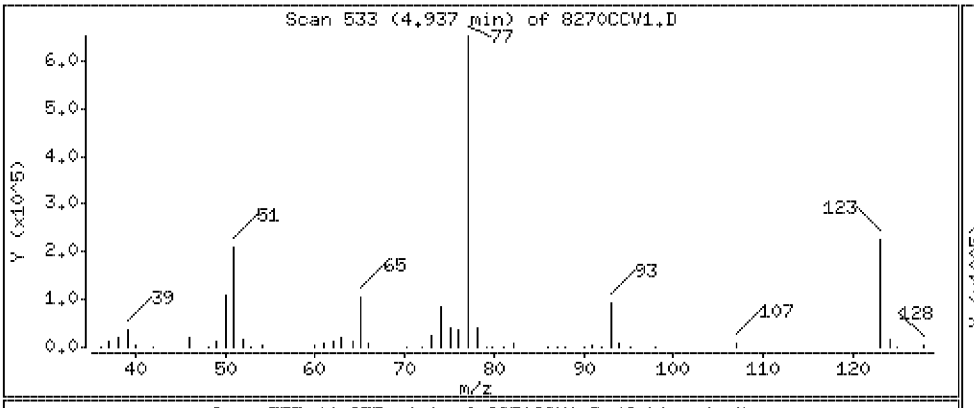
Operator: PEL

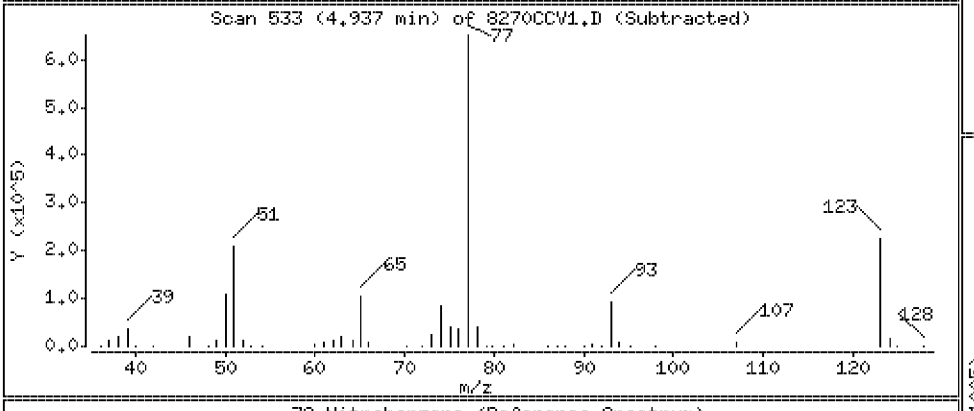
Column phase: HPMS-5

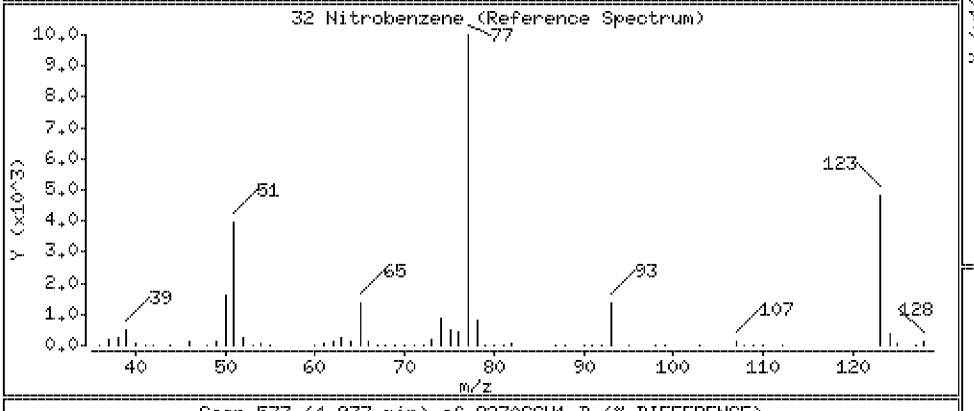
Column diameter: 0.25

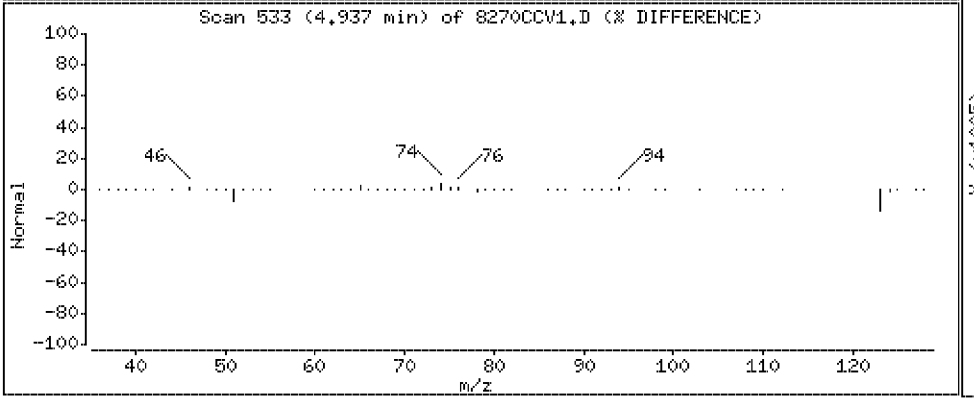
32 Nitrobenzene

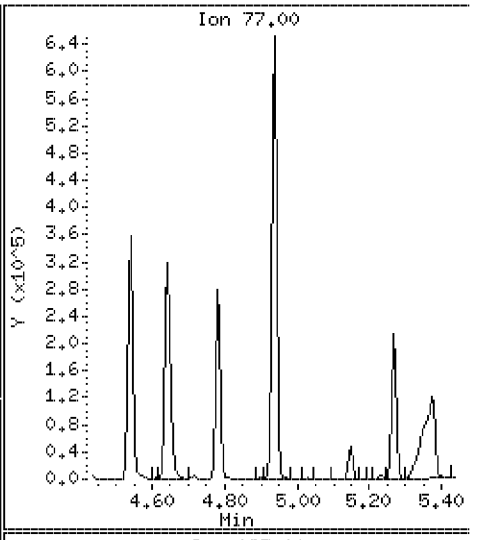
Concentration: 48.3 ug/l

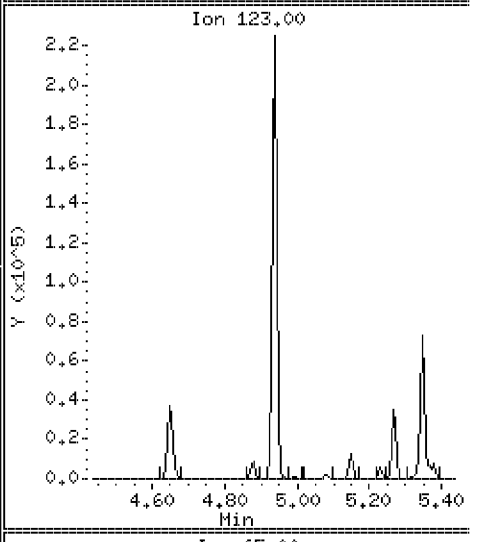


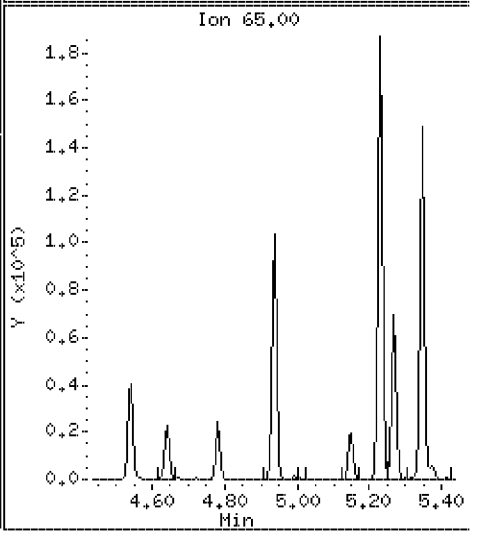












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

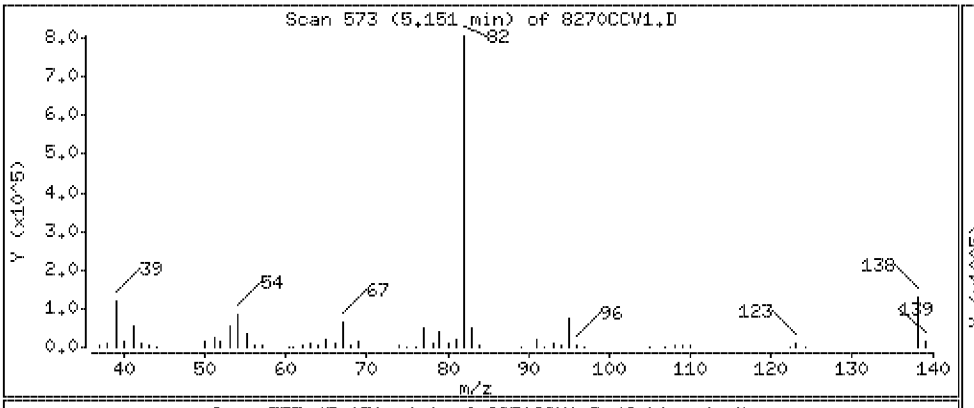
Operator: PEL

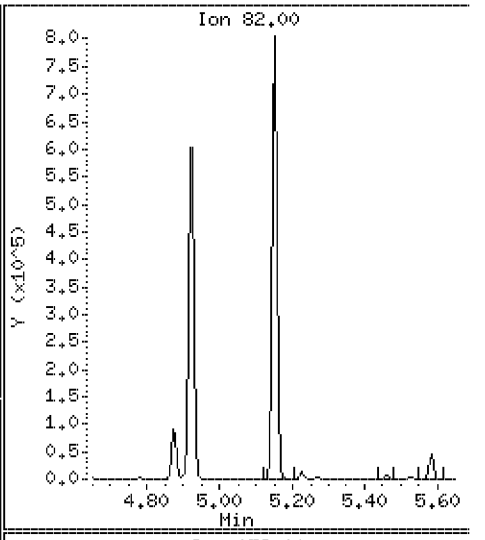
Column phase: HPMS-5

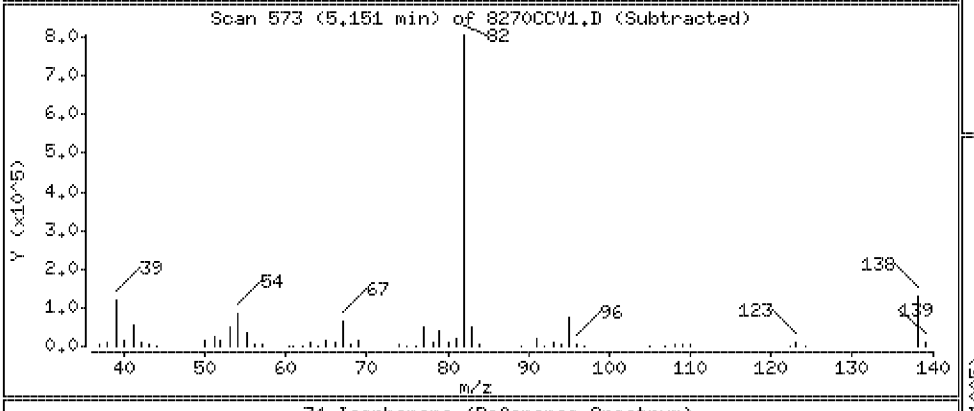
Column diameter: 0.25

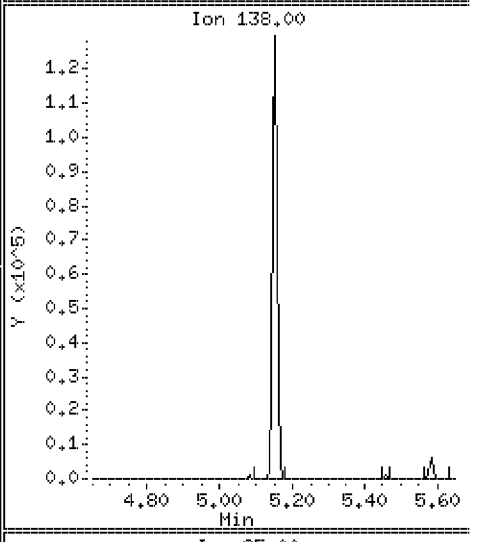
34 Isophorone

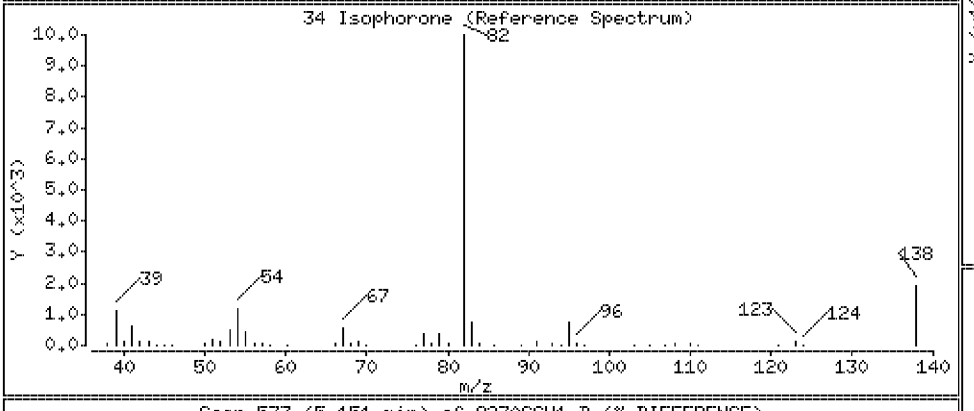
Concentration: 48.4 ug/l

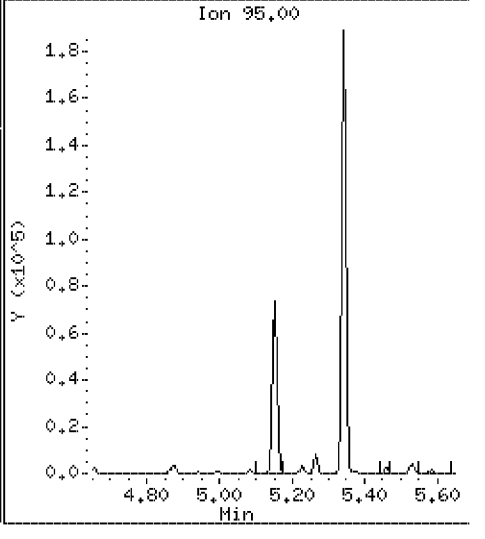


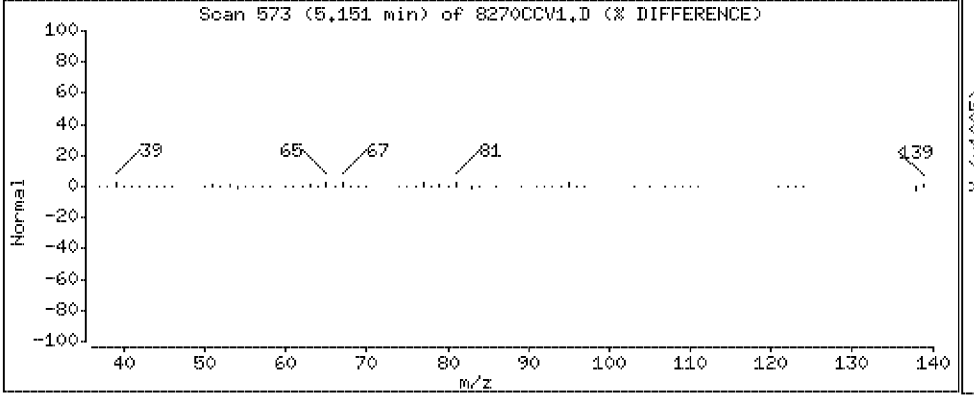












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

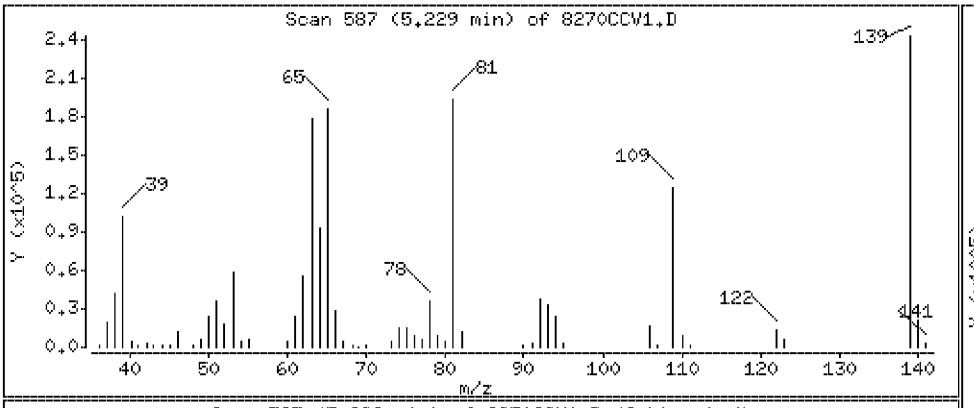
Operator: PEL

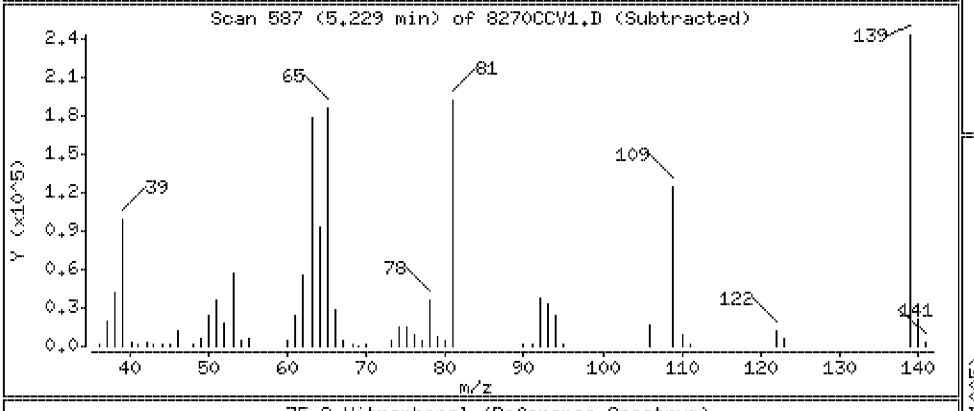
Column phase: HPMS-5

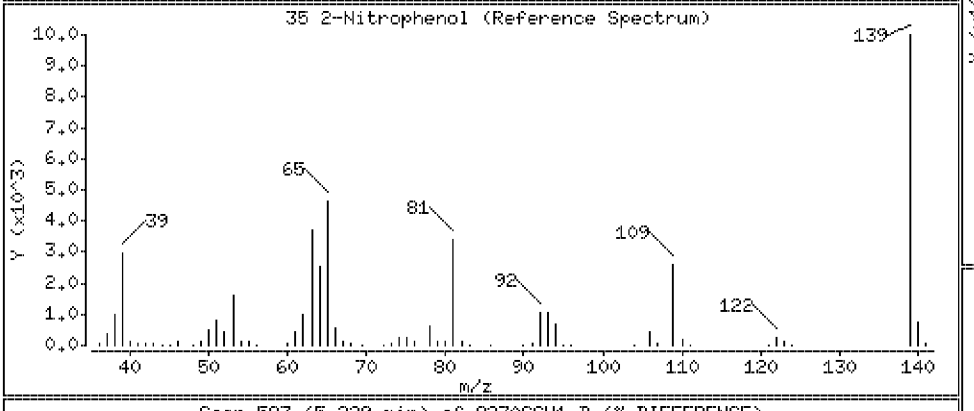
Column diameter: 0.25

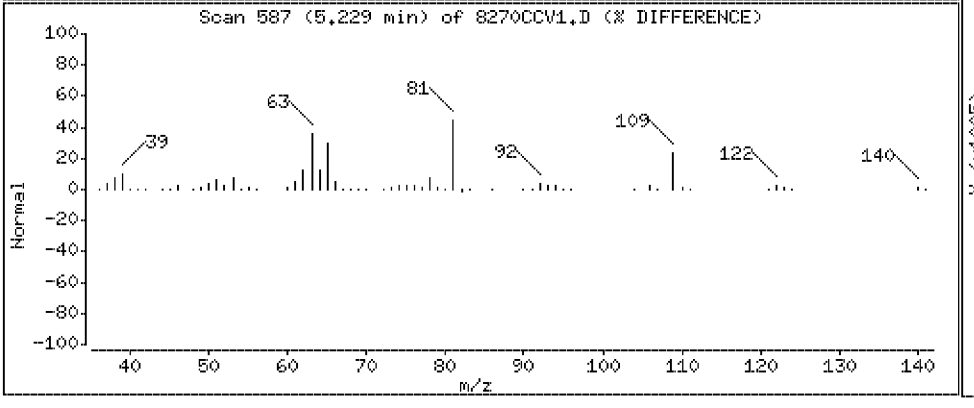
35 2-Nitrophenol

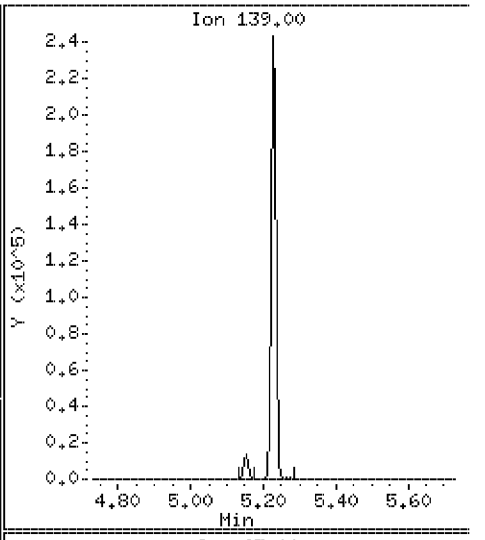
Concentration: 47.8 ug/l

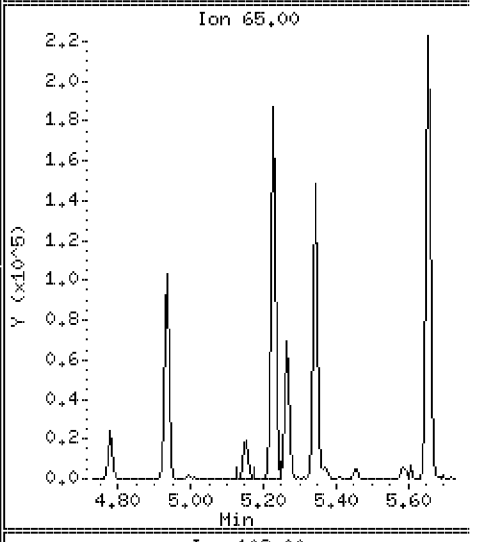


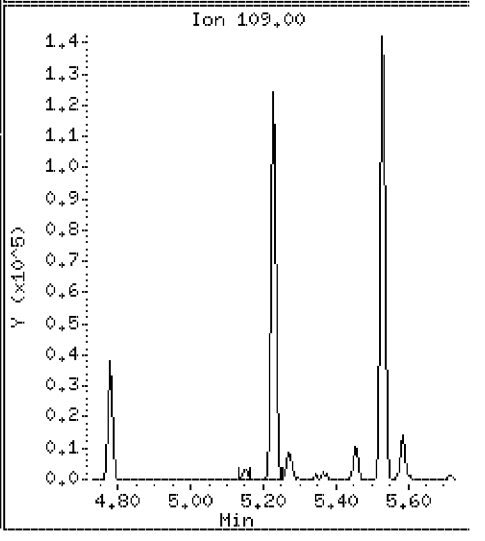












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

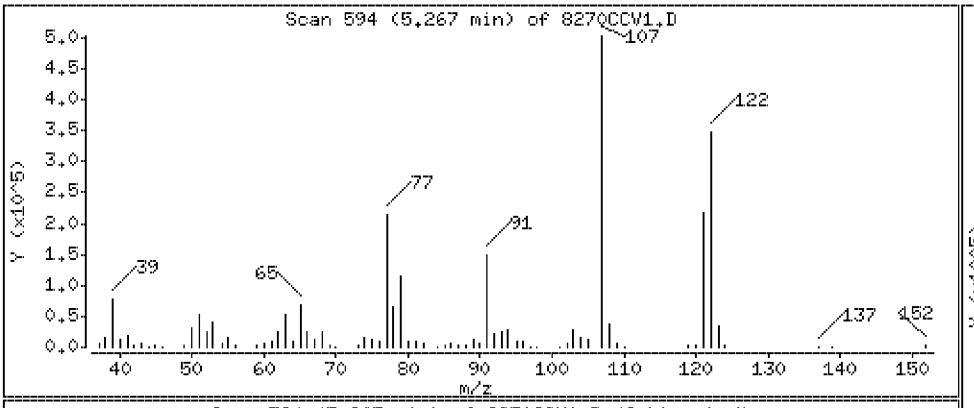
Operator: PEL

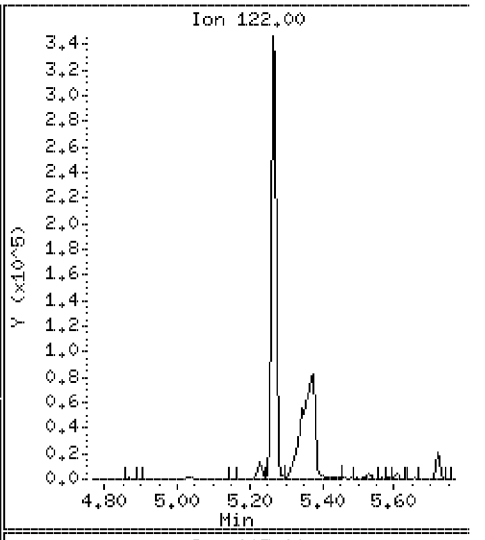
Column phase: HPMS-5

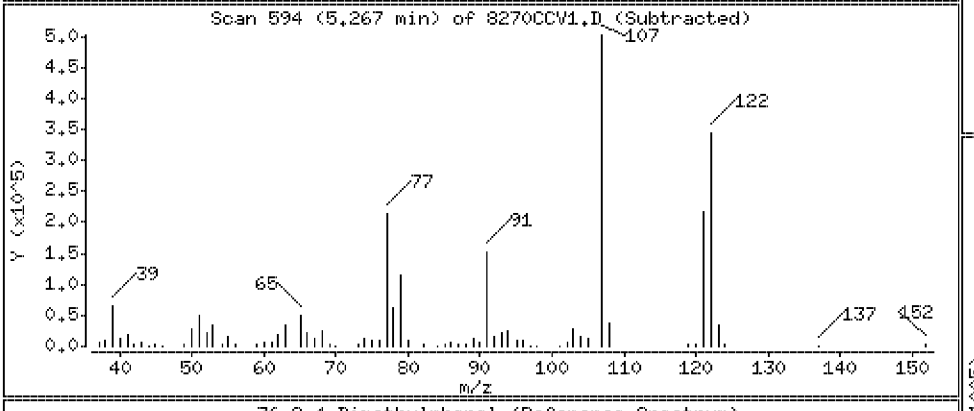
Column diameter: 0.25

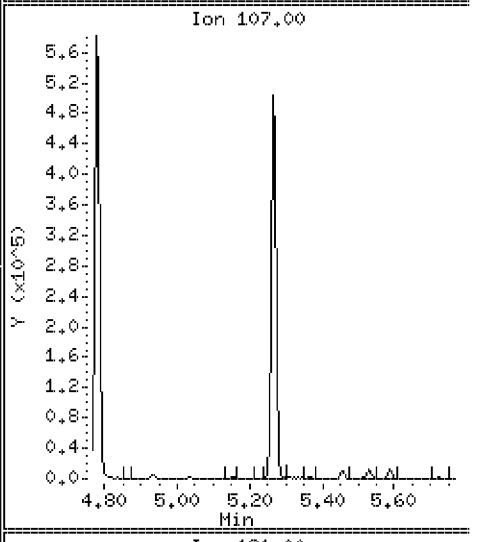
36 2,4-Dimethylphenol

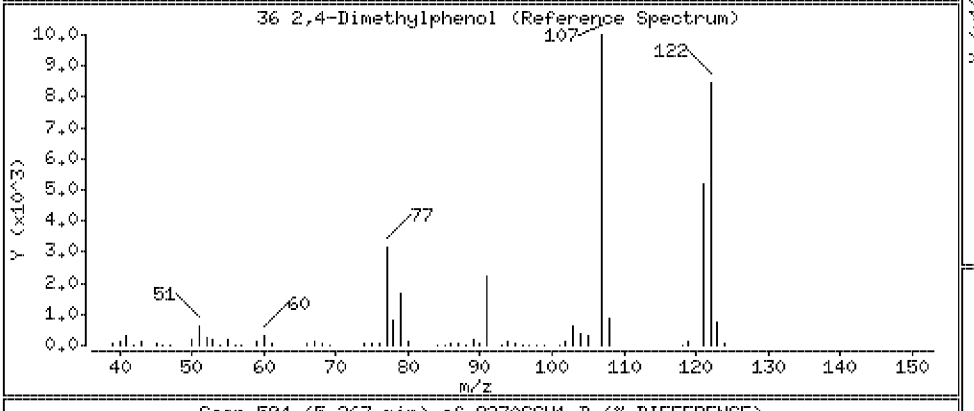
Concentration: 44.5 ug/l

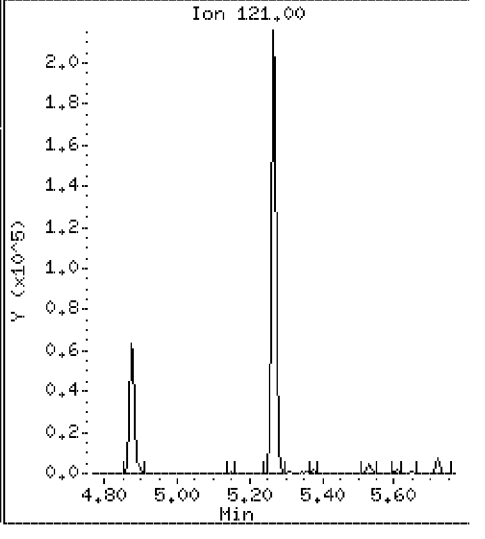


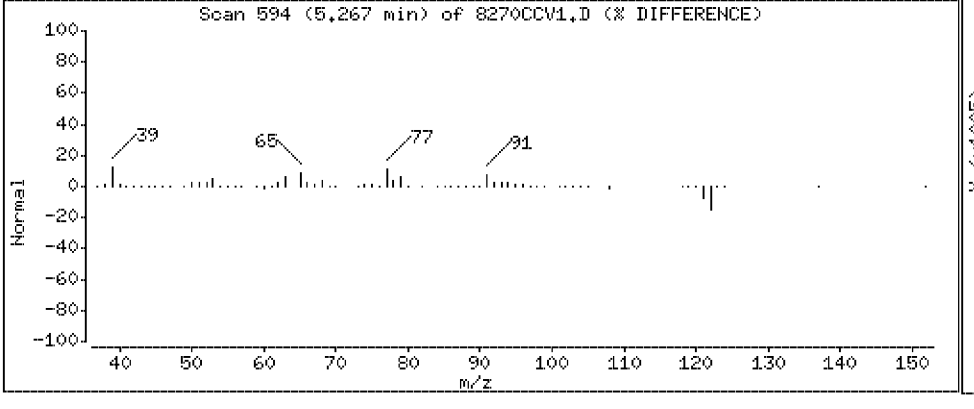












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

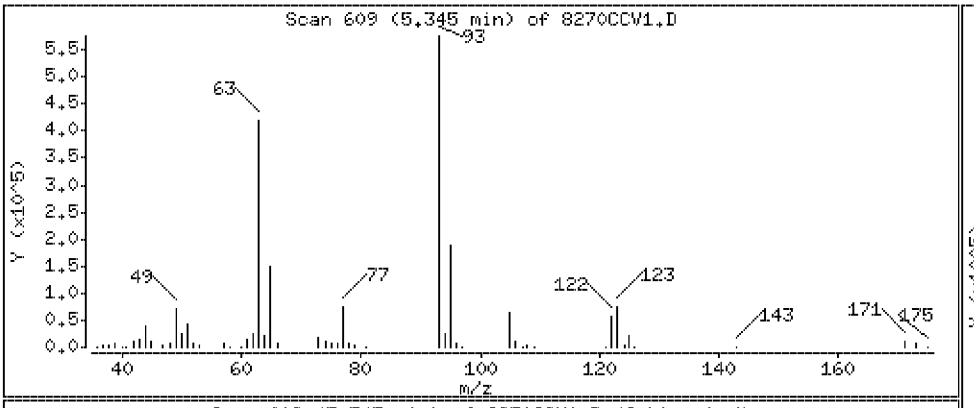
Operator: PEL

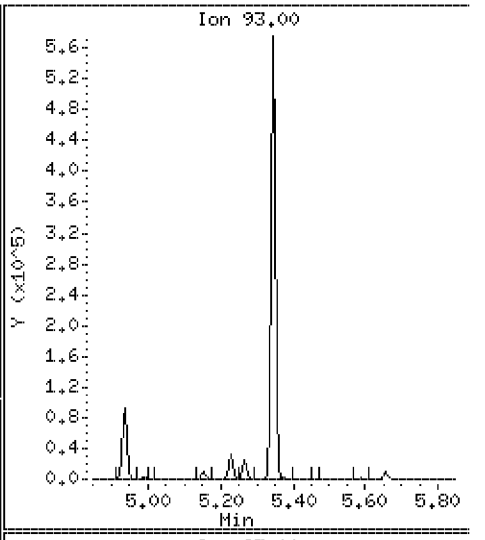
Column phase: HPMS-5

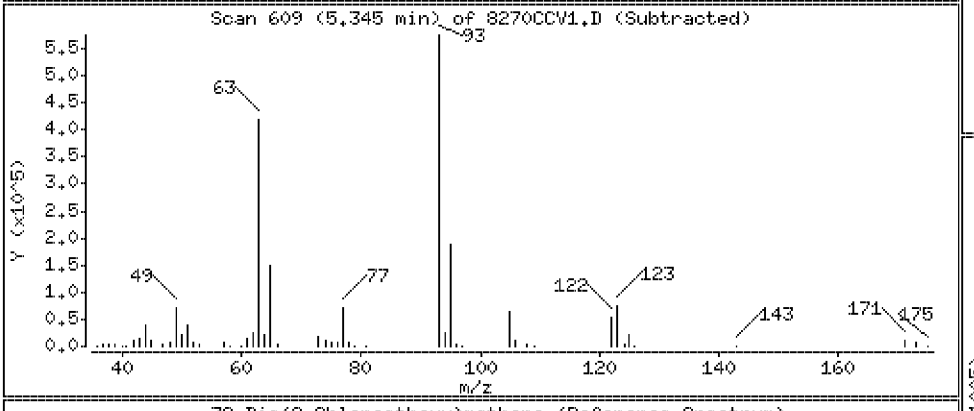
Column diameter: 0.25

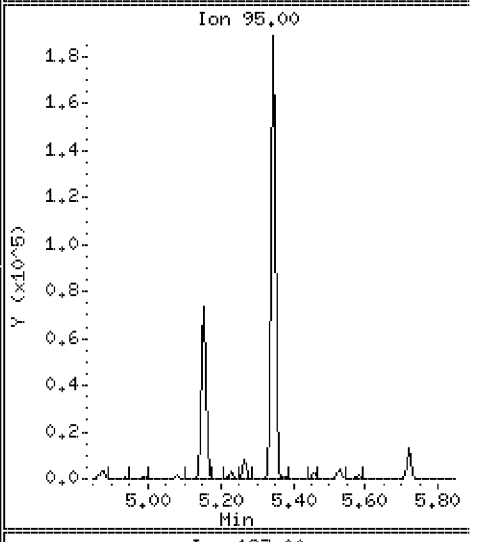
38 Bis(2-Chloroethoxy)methane

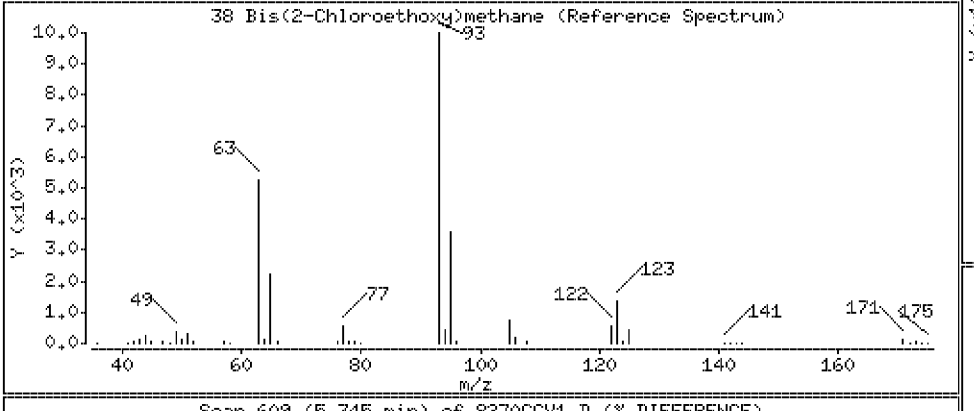
Concentration: 47.0 ug/l

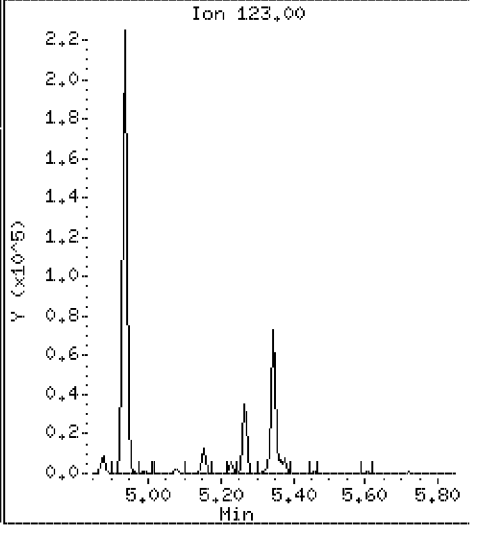


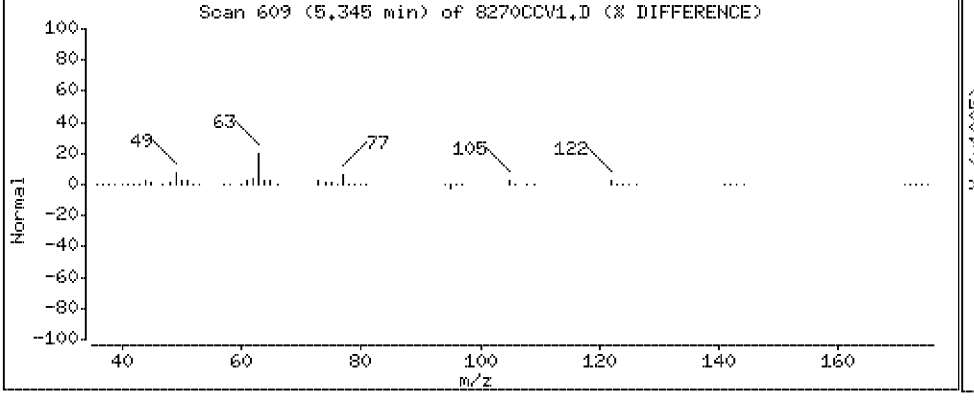












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

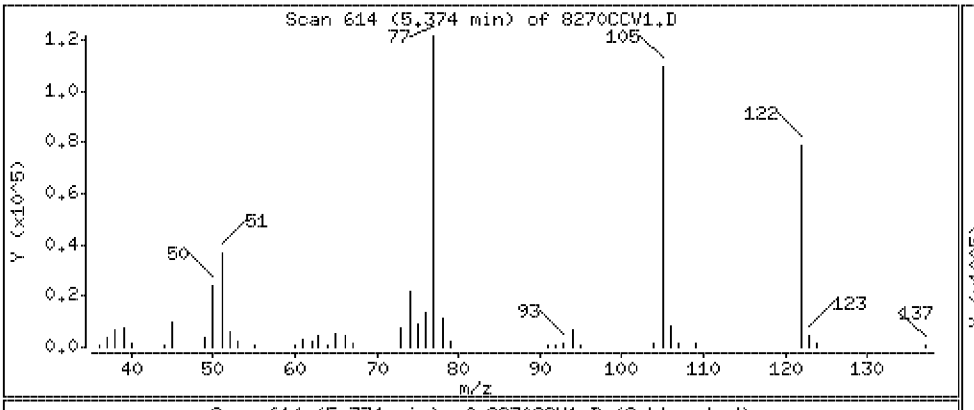
Operator: PEL

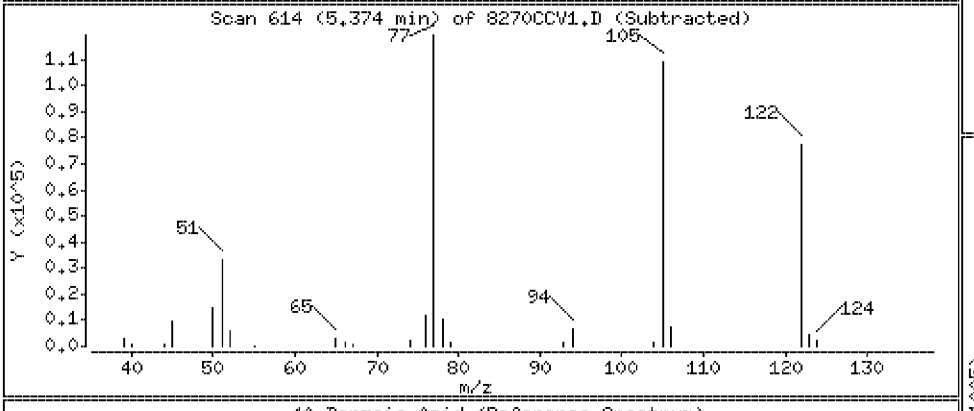
Column phase: HPMS-5

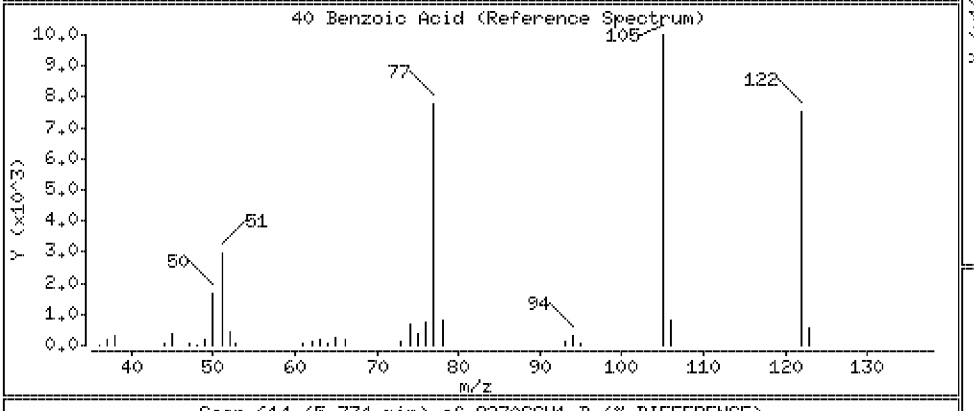
Column diameter: 0.25

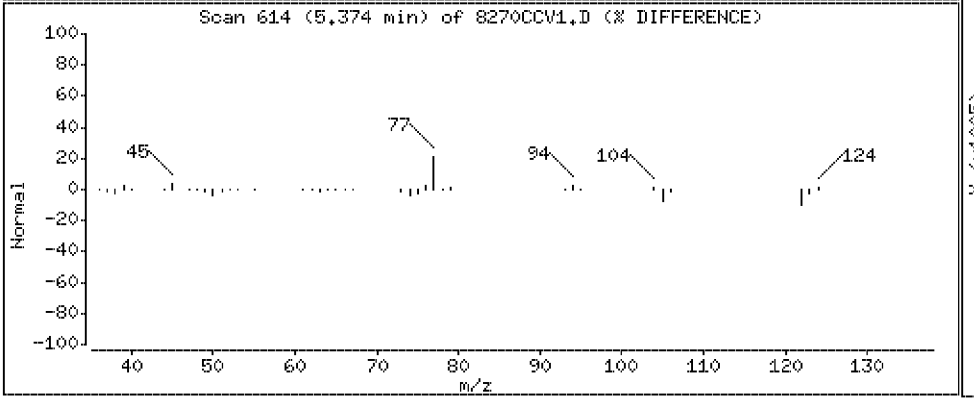
40 Benzoic Acid

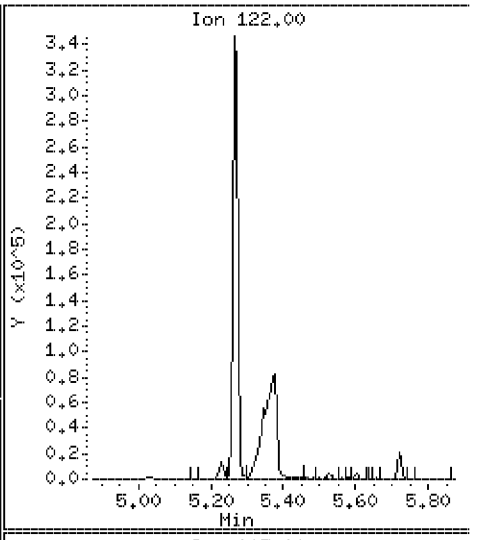
Concentration: 43.6 ug/l

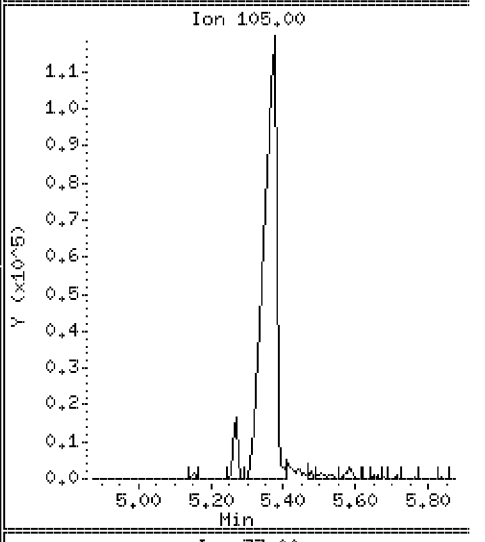


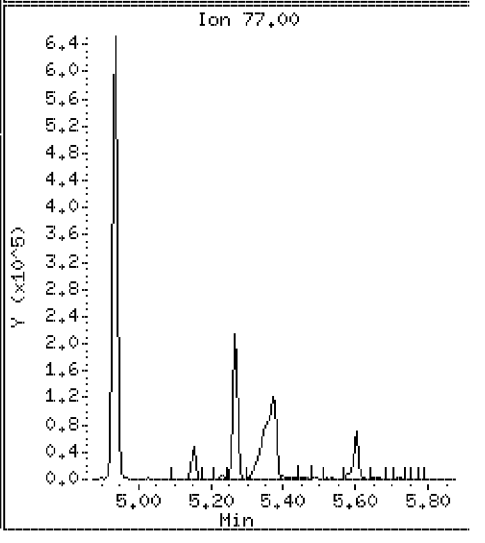












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

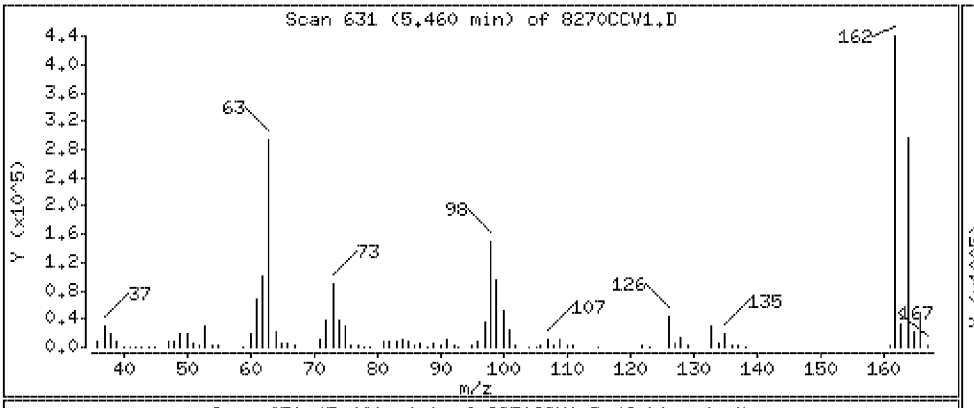
Operator: PEL

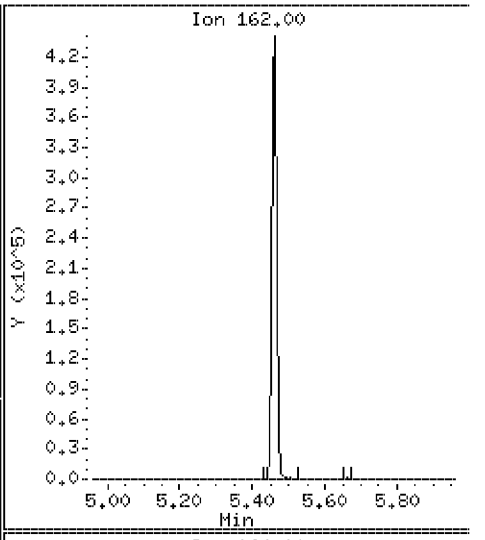
Column phase: HPMS-5

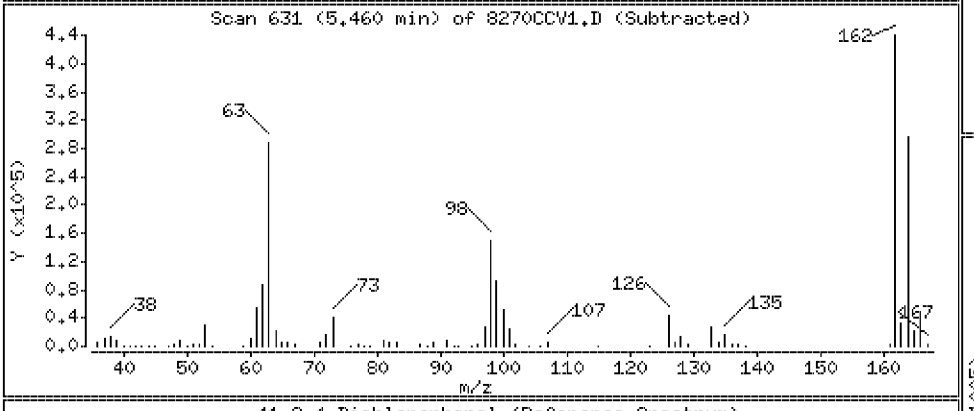
Column diameter: 0.25

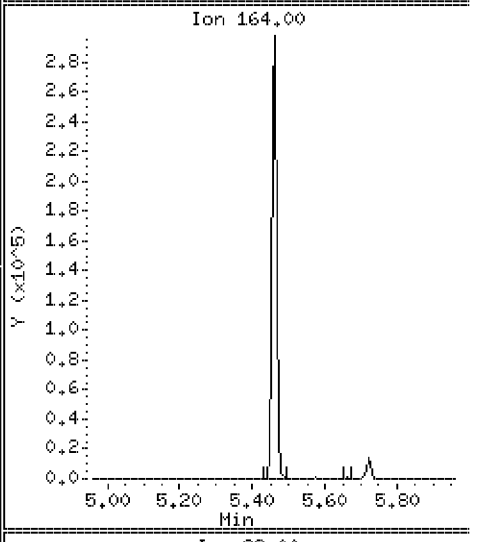
41 2,4-Dichlorophenol

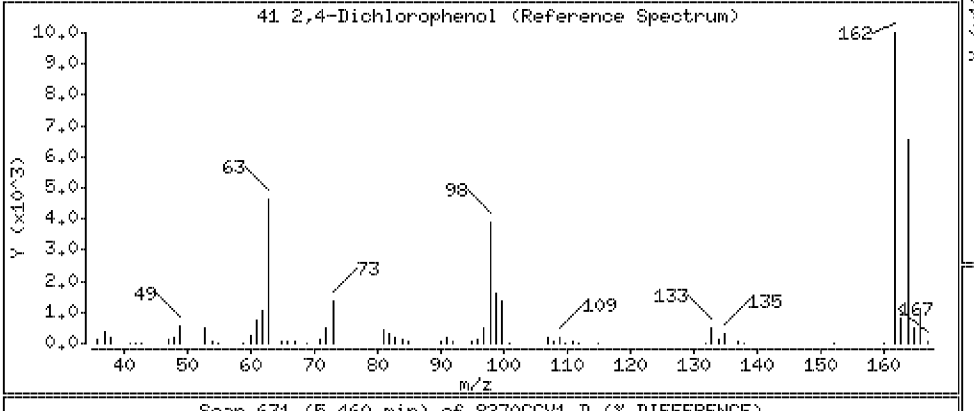
Concentration: 48.1 ug/l

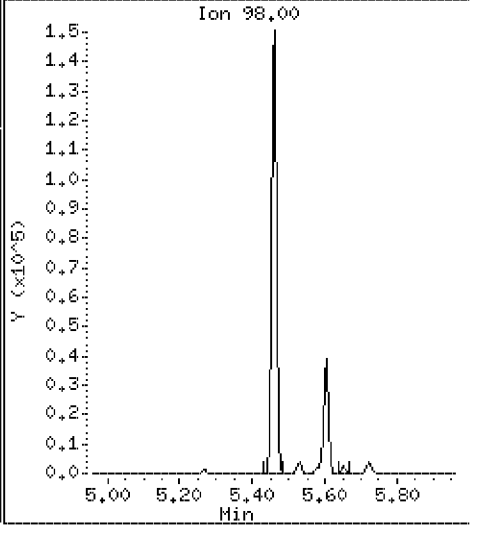


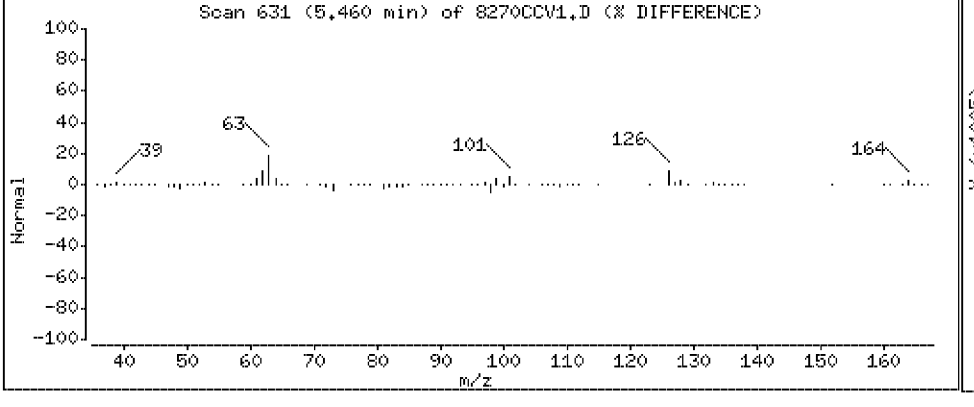












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

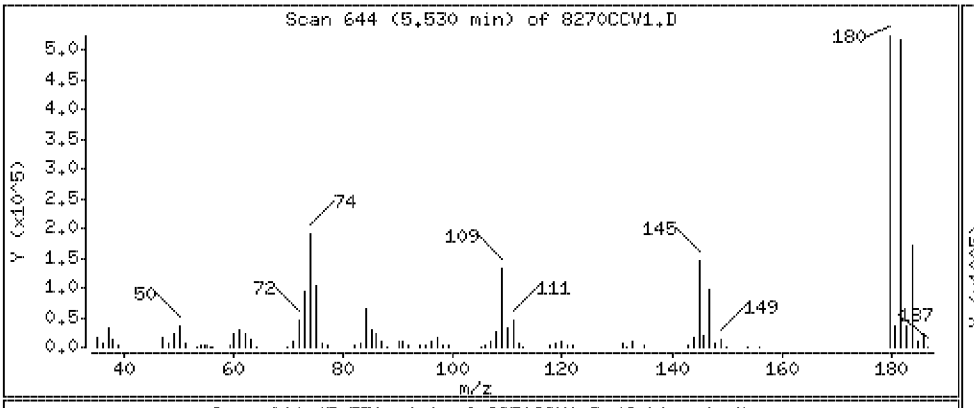
Operator: PEL

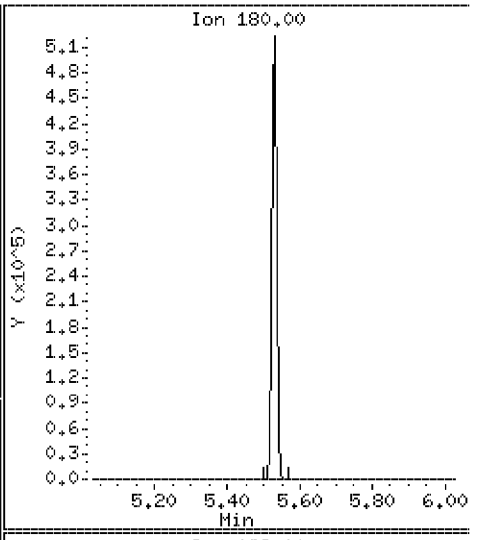
Column phase: HPMS-5

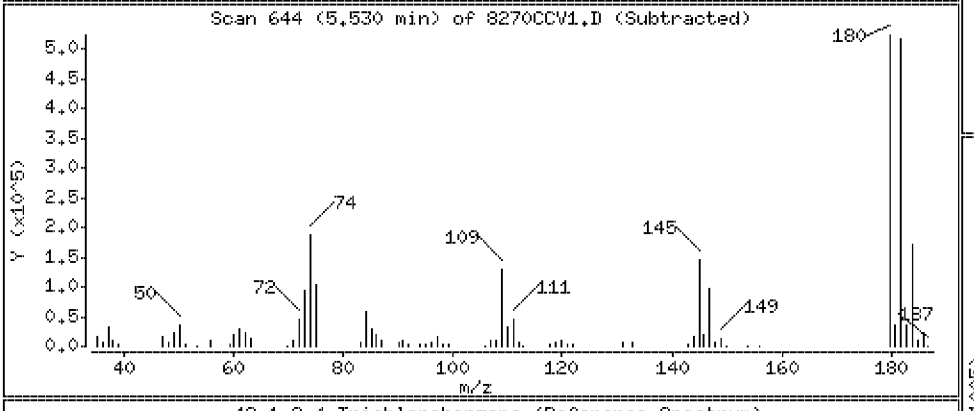
Column diameter: 0.25

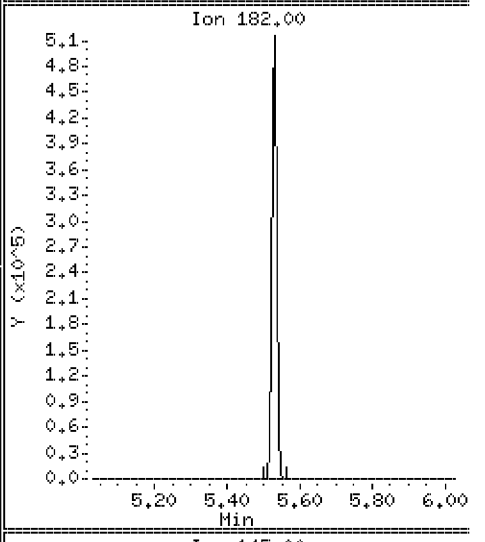
42 1,2,4-Trichlorobenzene

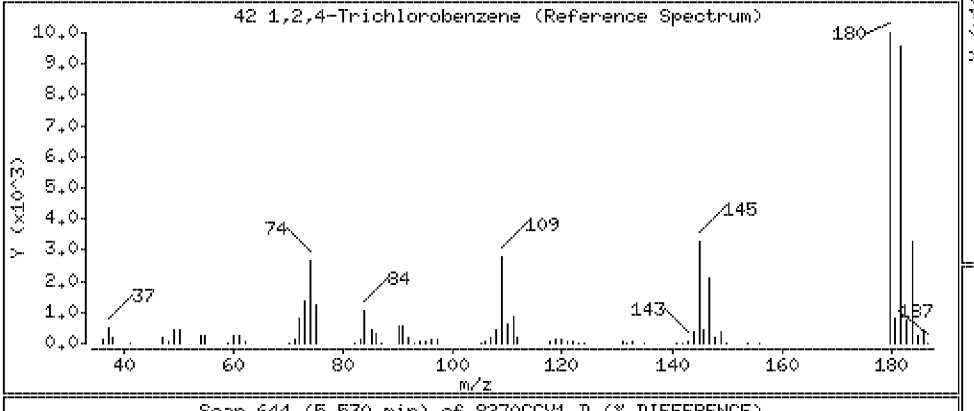
Concentration: 46.1 ug/l

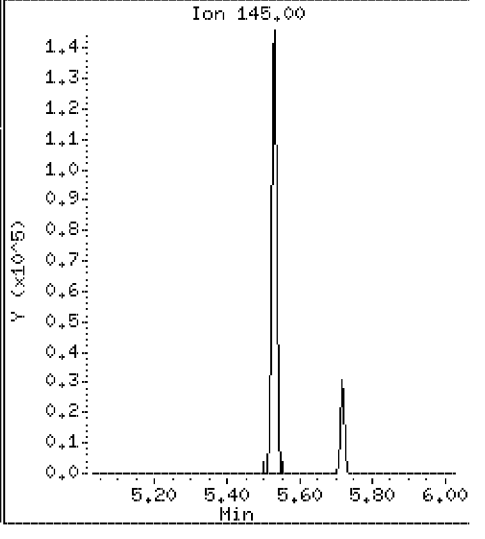


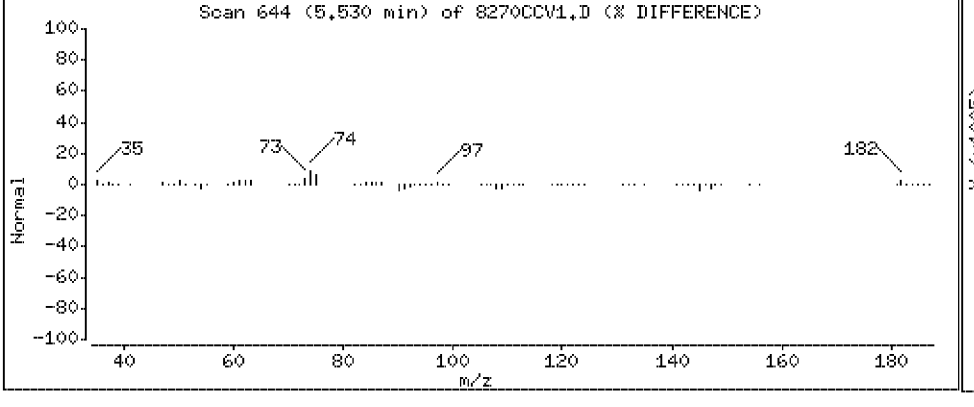












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

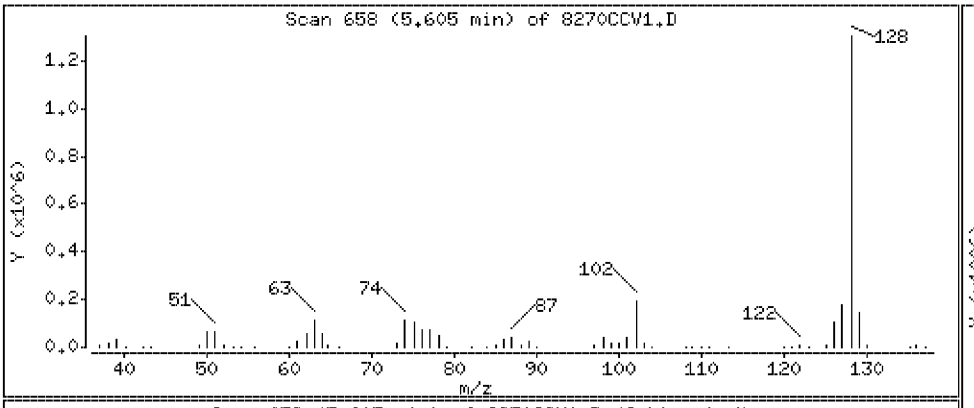
Operator: PEL

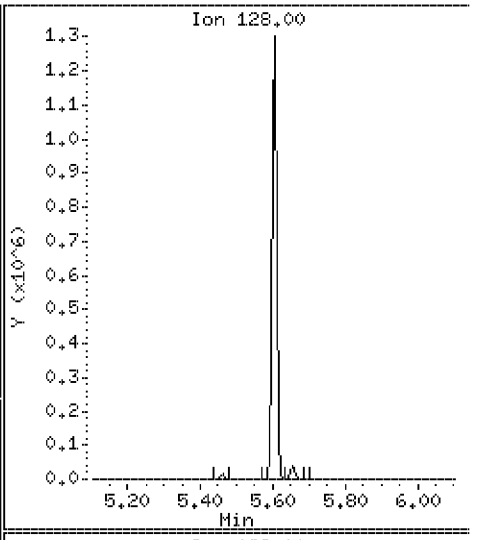
Column phase: HPMS-5

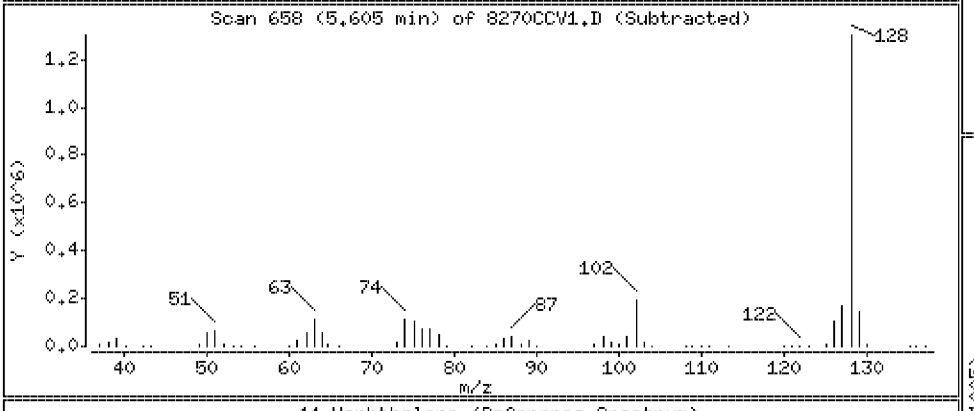
Column diameter: 0.25

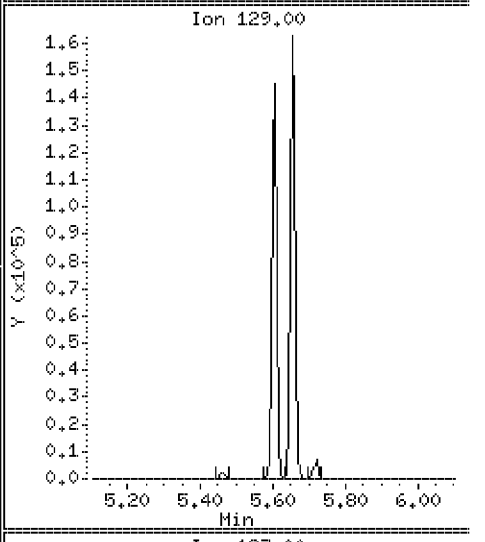
44 Naphthalene

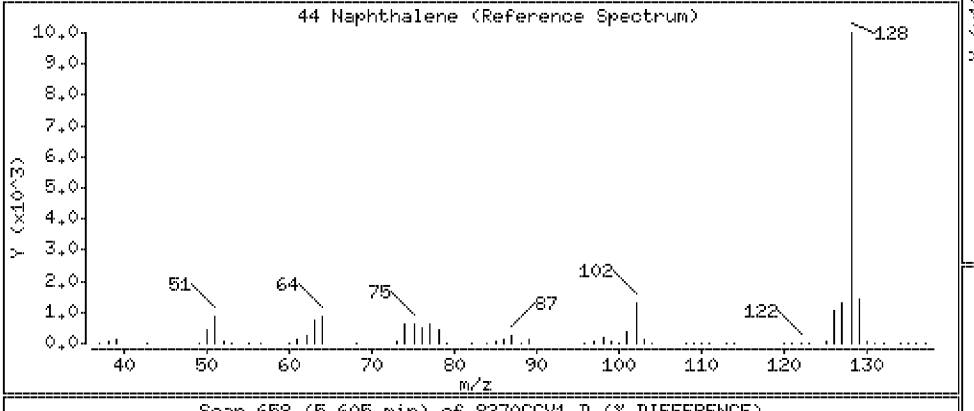
Concentration: 47.1 ug/l

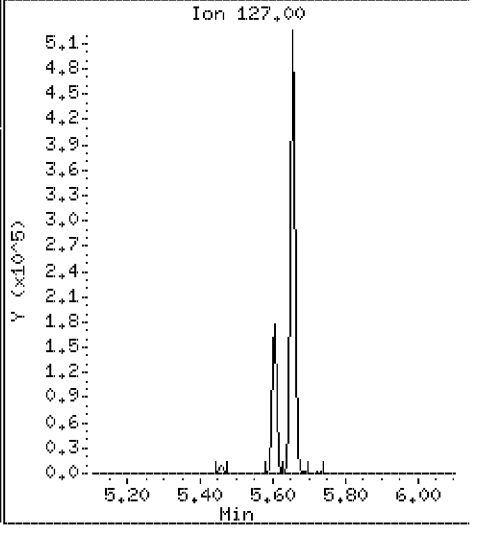


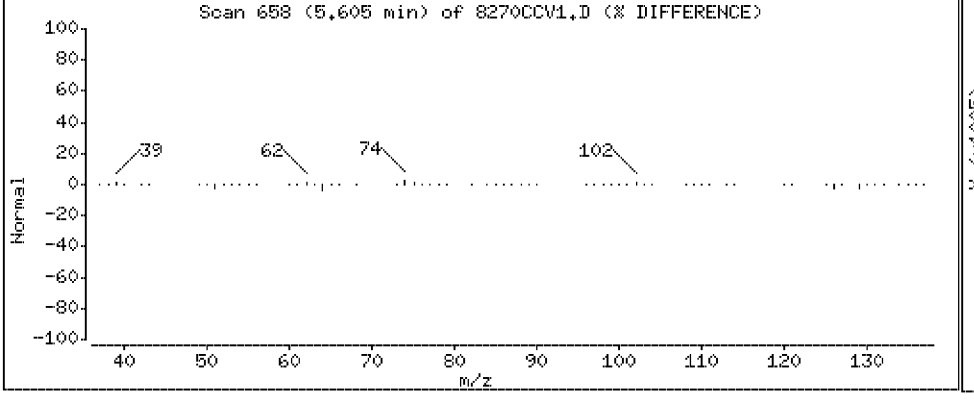












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

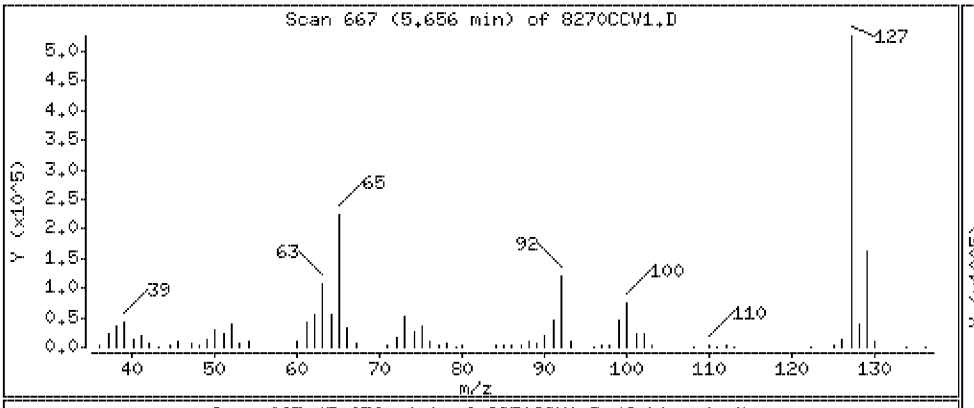
Operator: PEL

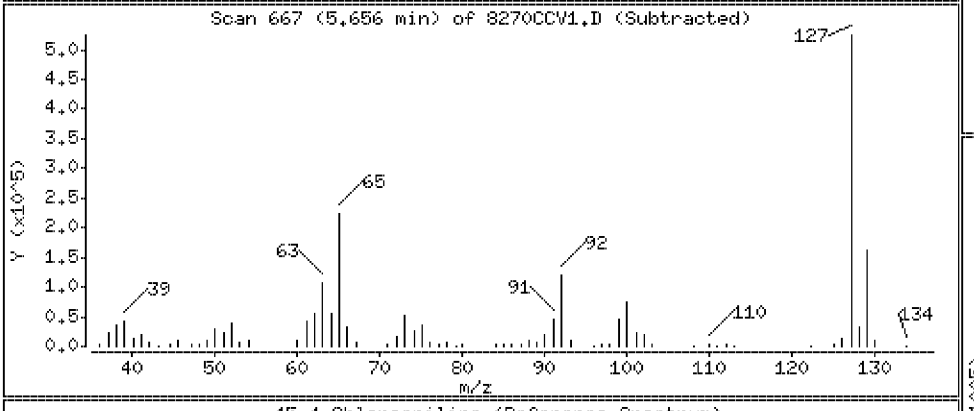
Column phase: HPMS-5

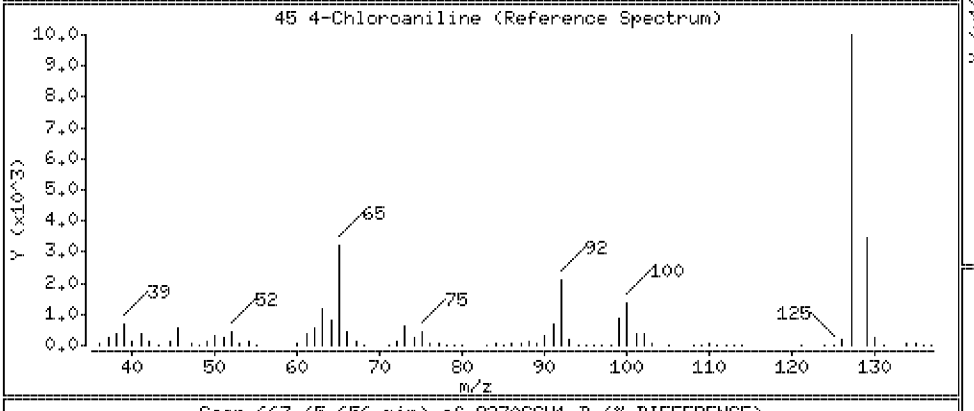
Column diameter: 0.25

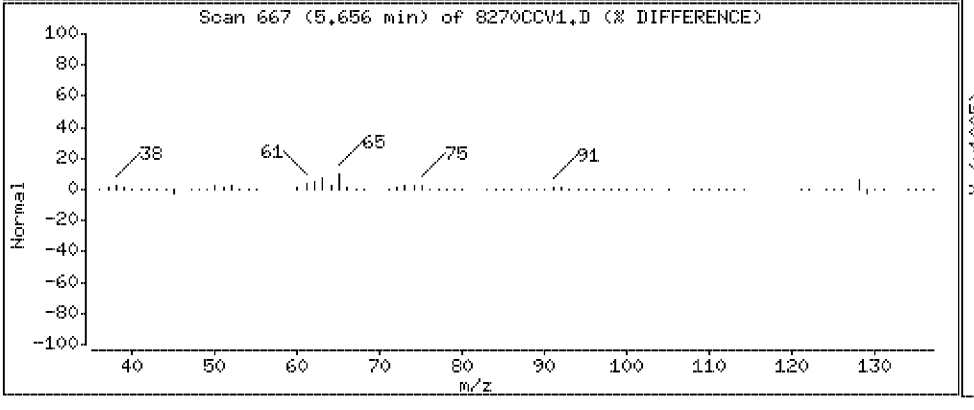
45 4-Chloroaniline

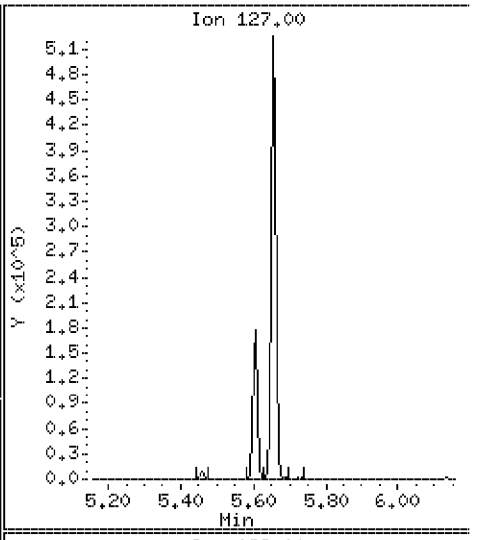
Concentration: 46.3 ug/l

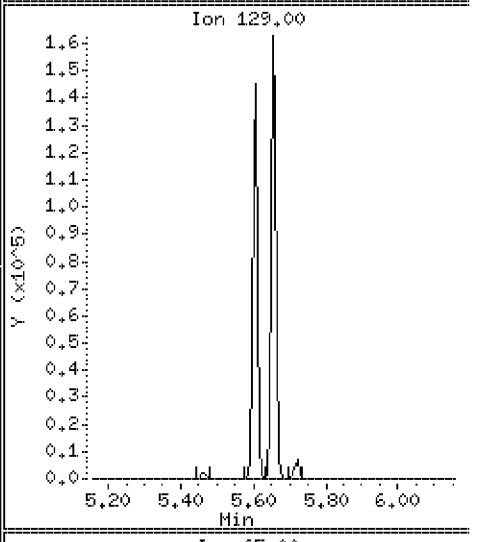


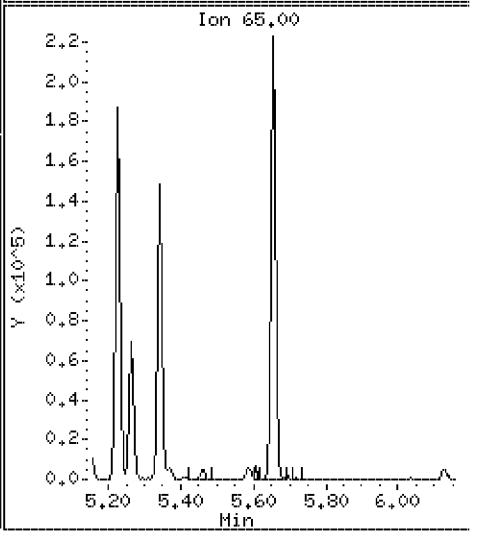












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

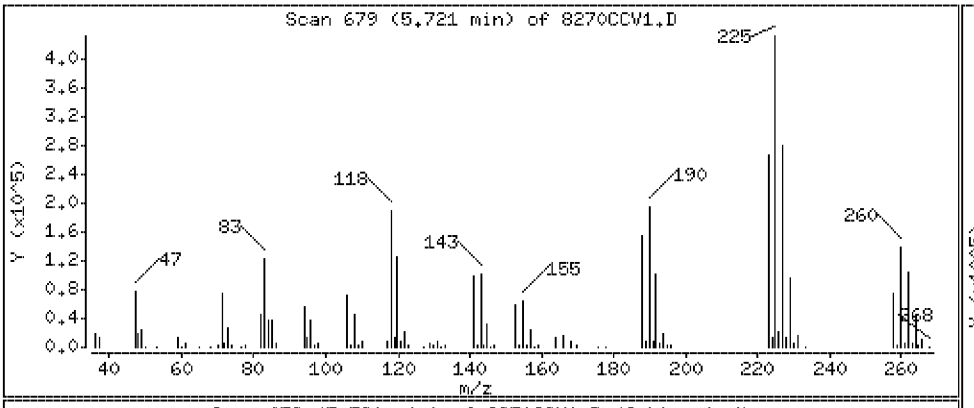
Operator: PEL

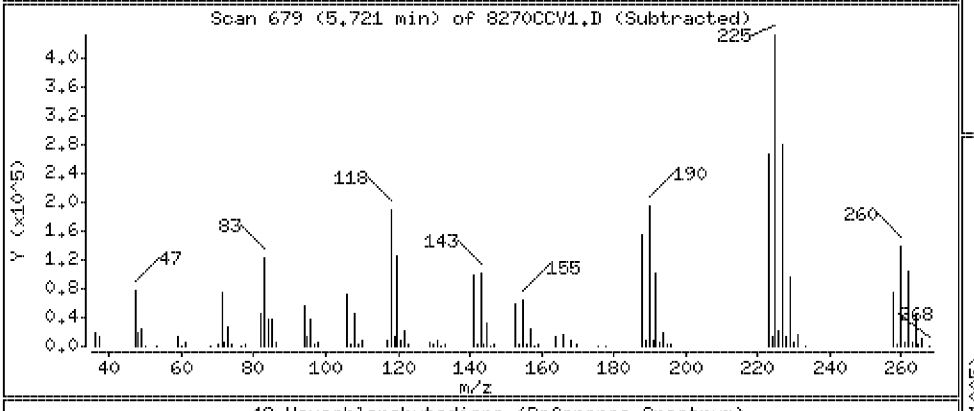
Column phase: HPMS-5

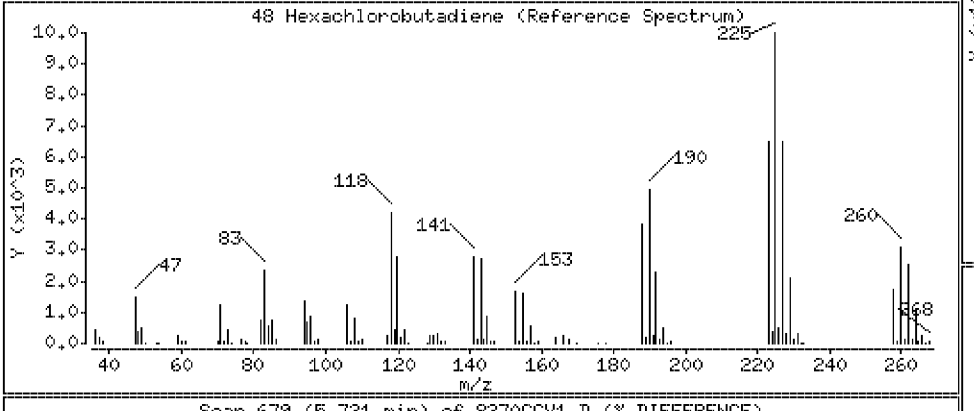
Column diameter: 0.25

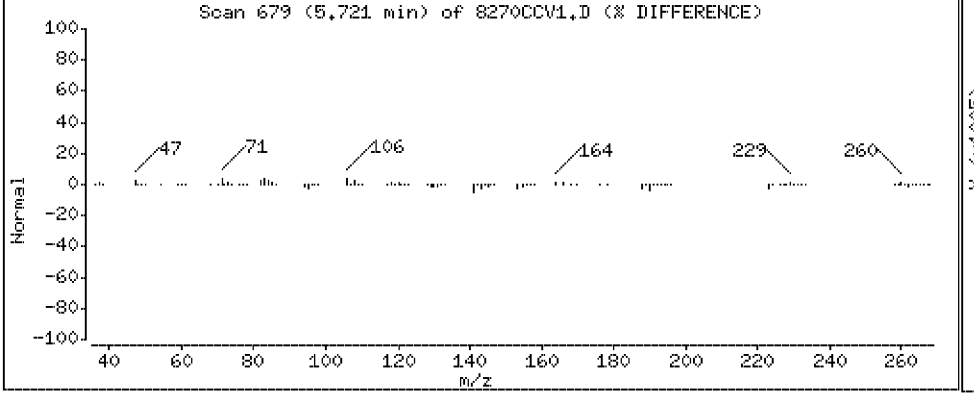
48 Hexachlorobutadiene

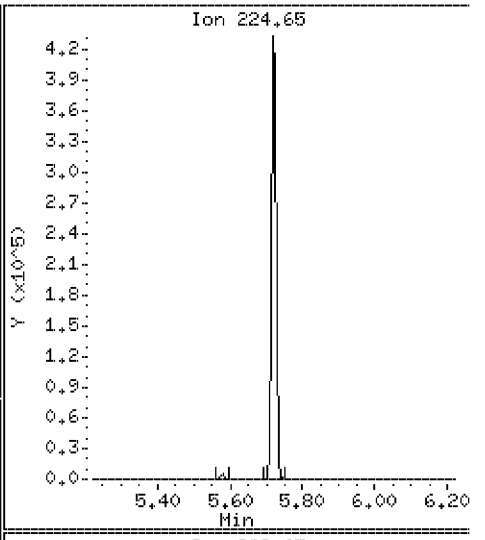
Concentration: 47.3 ug/l

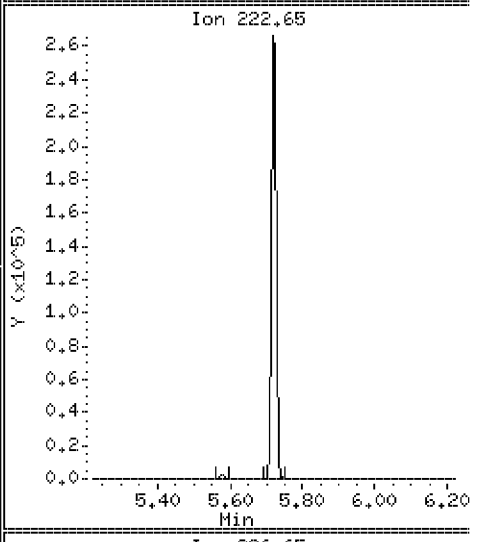


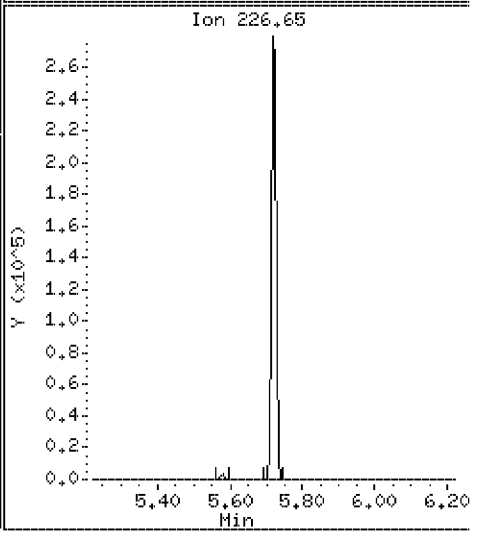












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

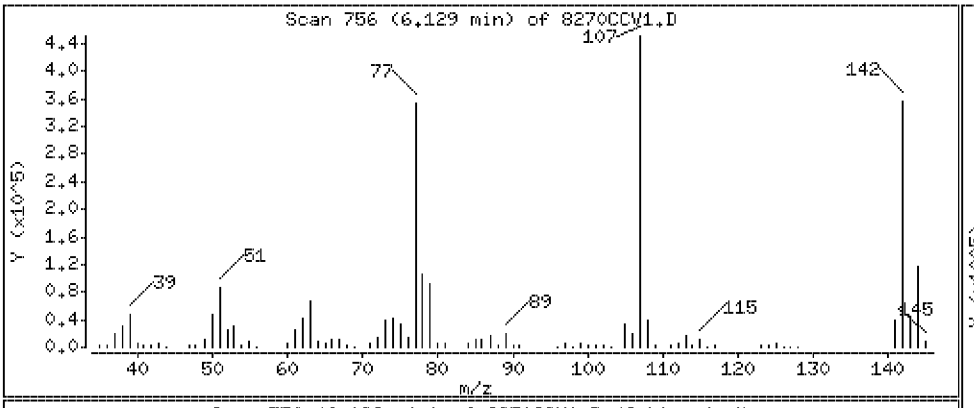
Operator: PEL

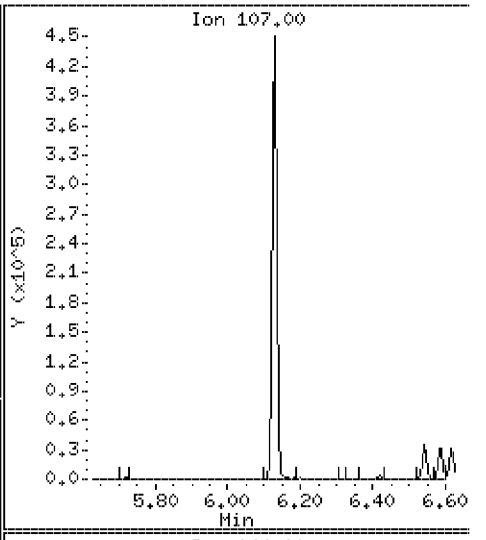
Column phase: HPMS-5

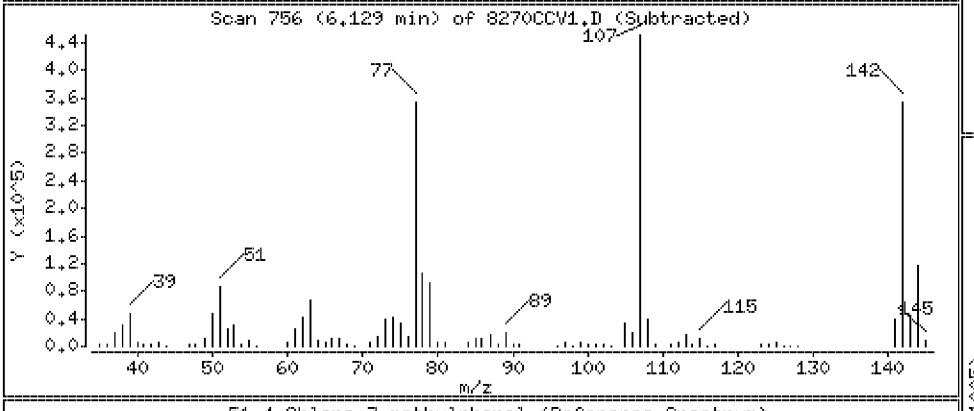
Column diameter: 0.25

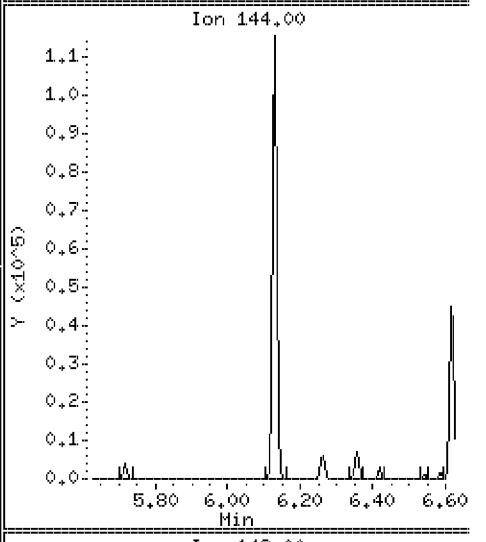
51 4-Chloro-3-methylphenol

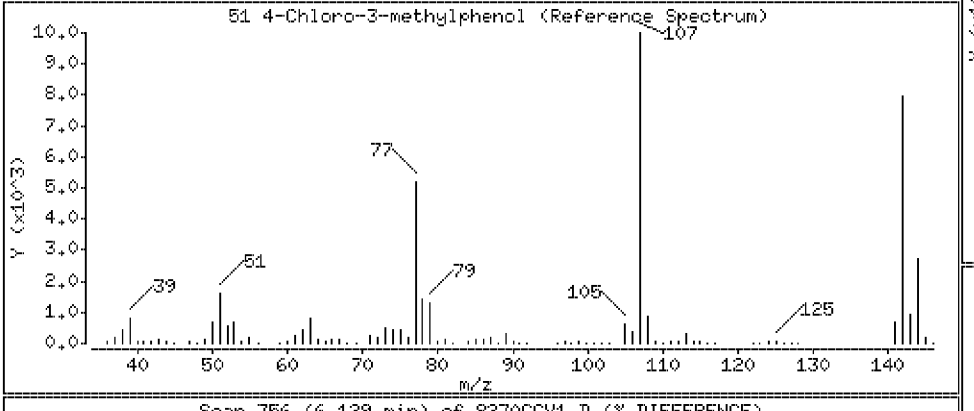
Concentration: 48.2 ug/l

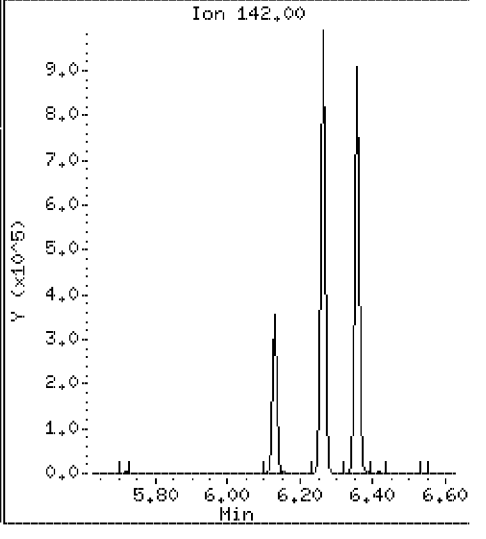


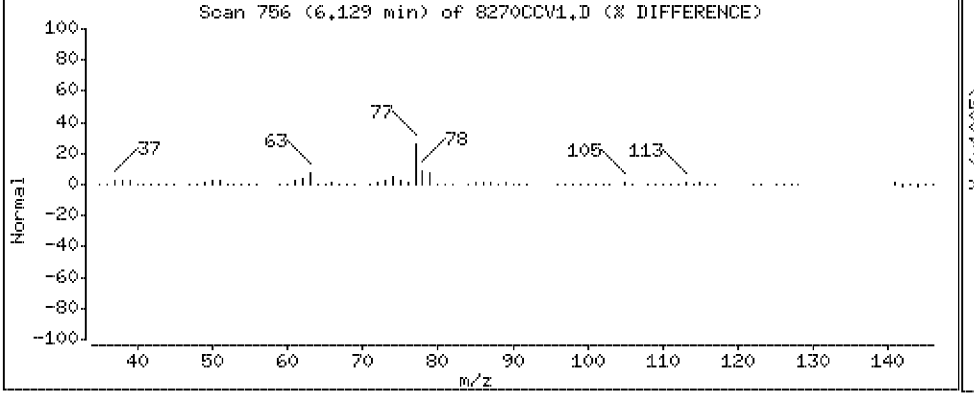












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

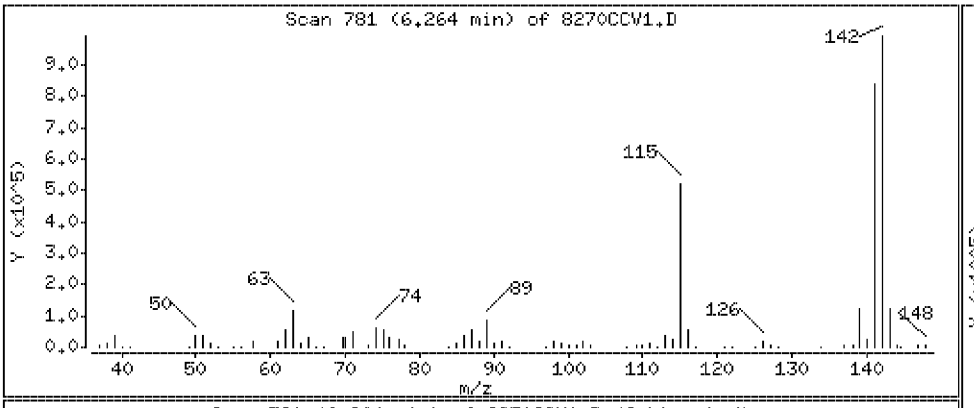
Operator: PEL

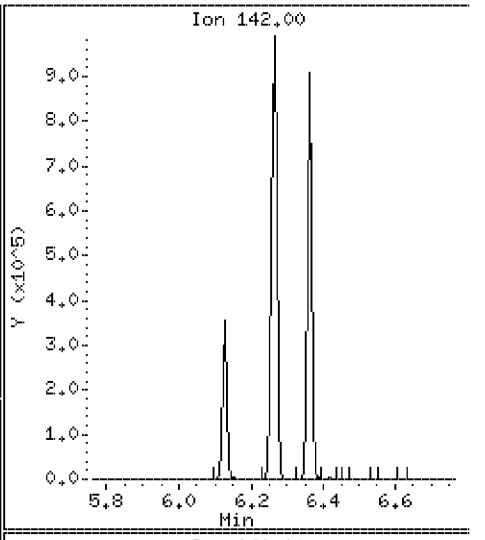
Column phase: HPMS-5

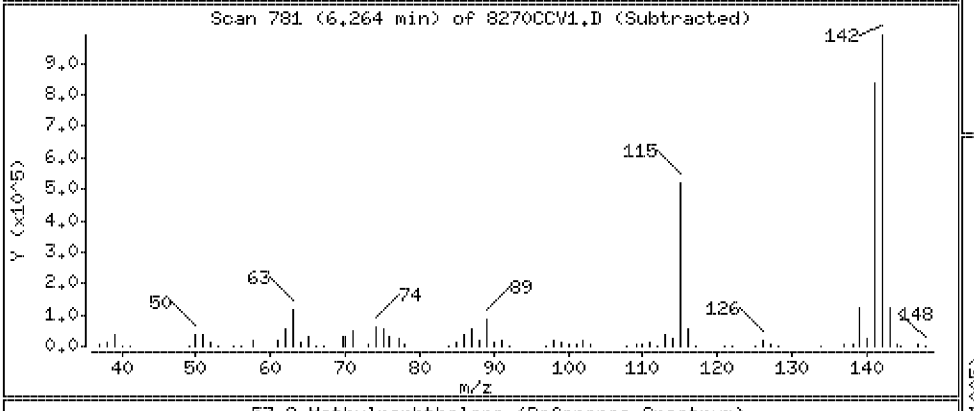
Column diameter: 0.25

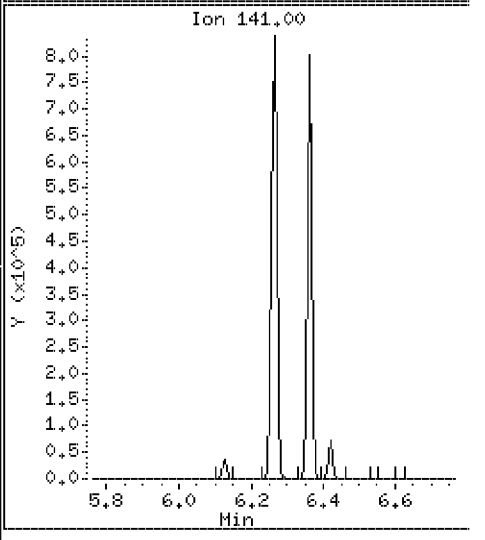
53 2-Methylnaphthalene

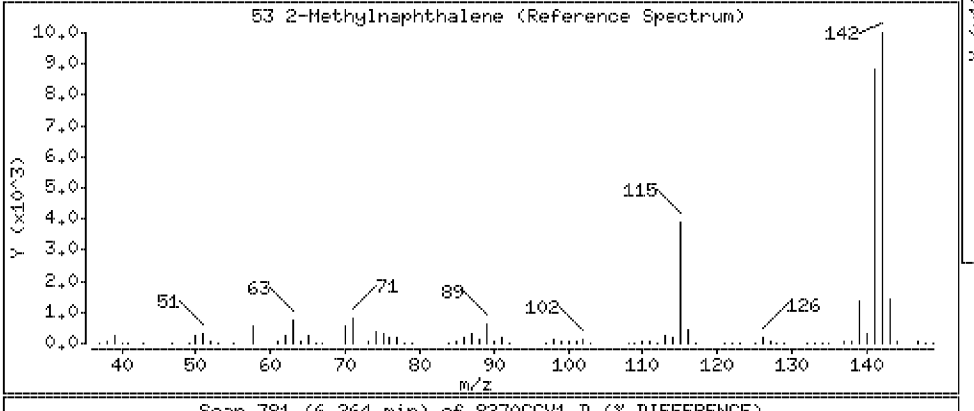
Concentration: 46.8 ug/l

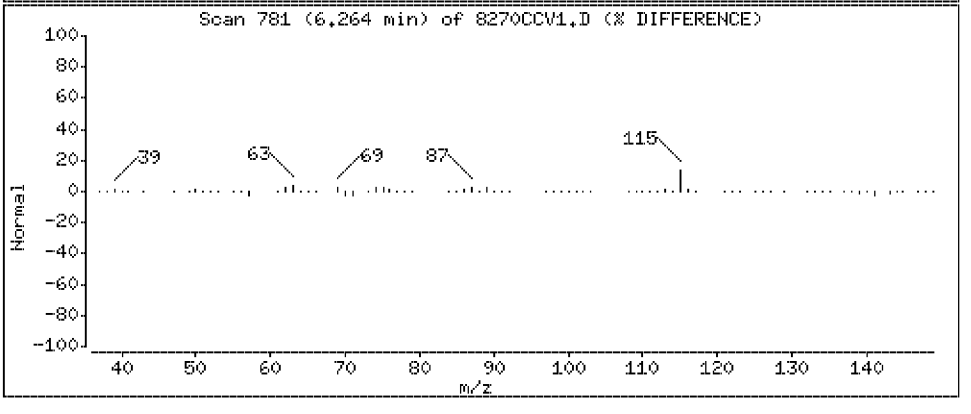












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

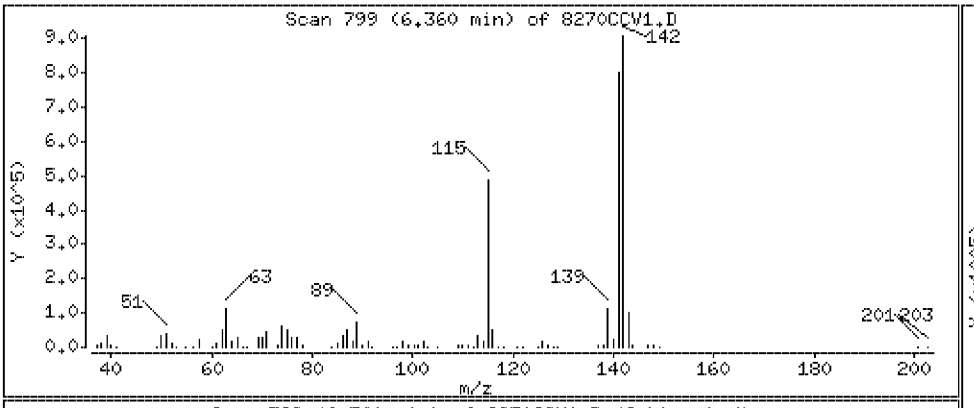
Operator: PEL

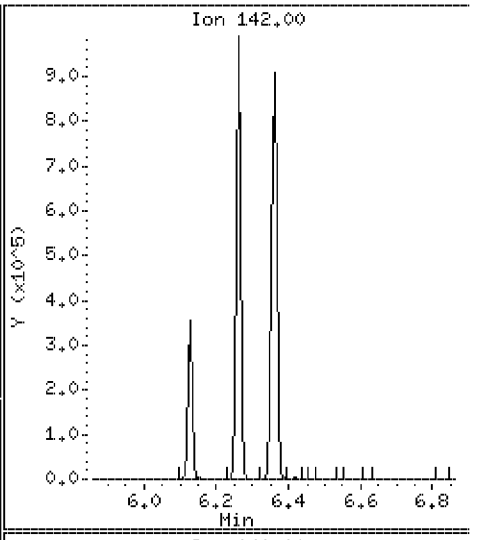
Column phase: HPMS-5

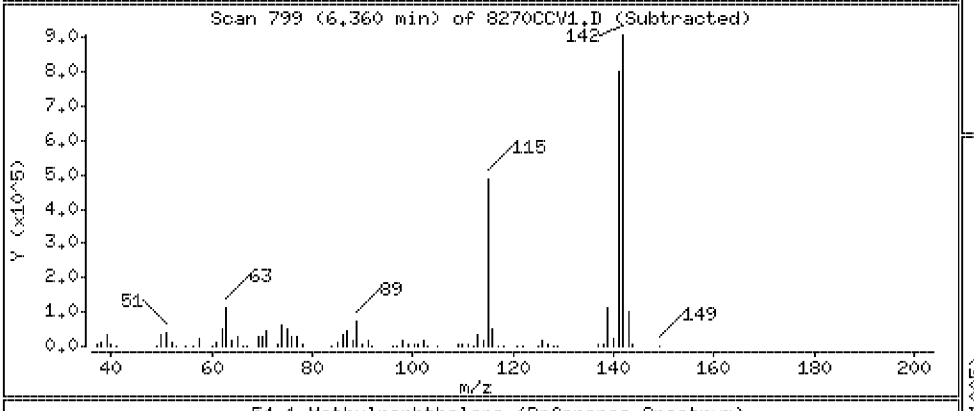
Column diameter: 0.25

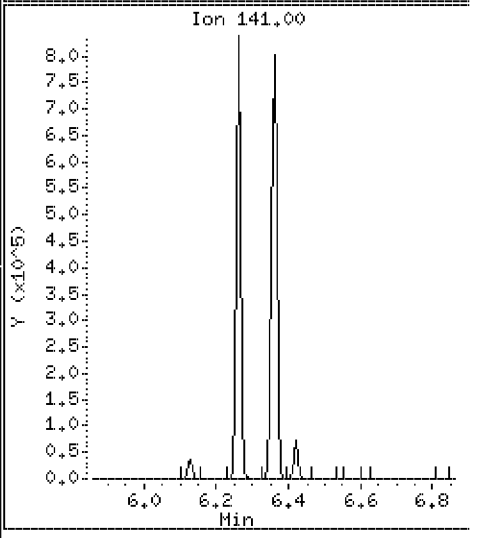
54 1-Methylnaphthalene

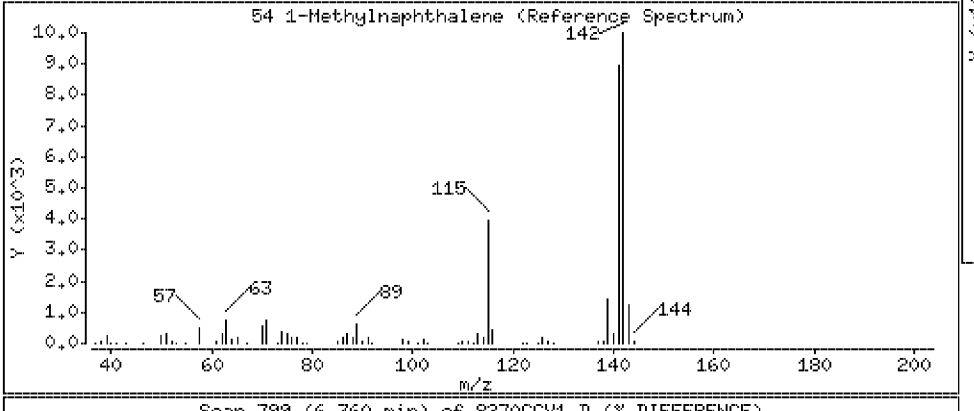
Concentration: 47.3 ug/l

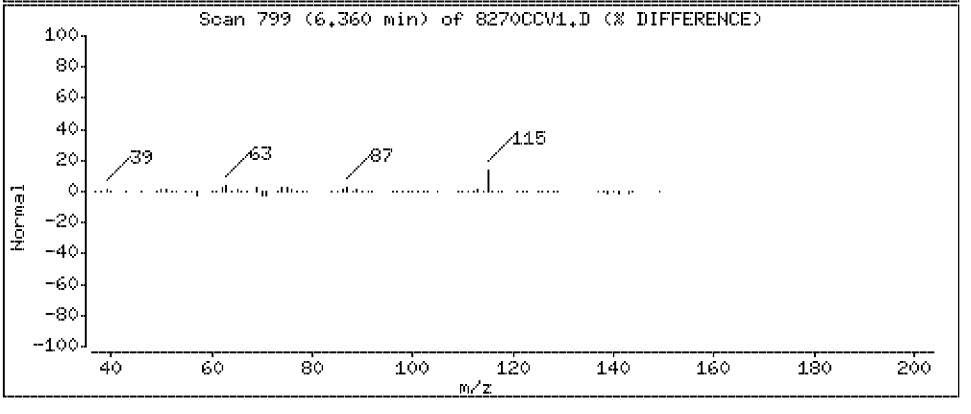












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

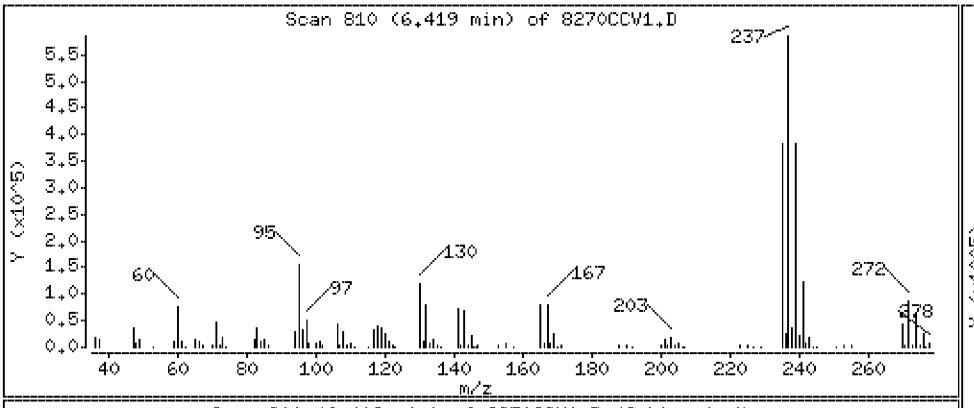
Operator: PEL

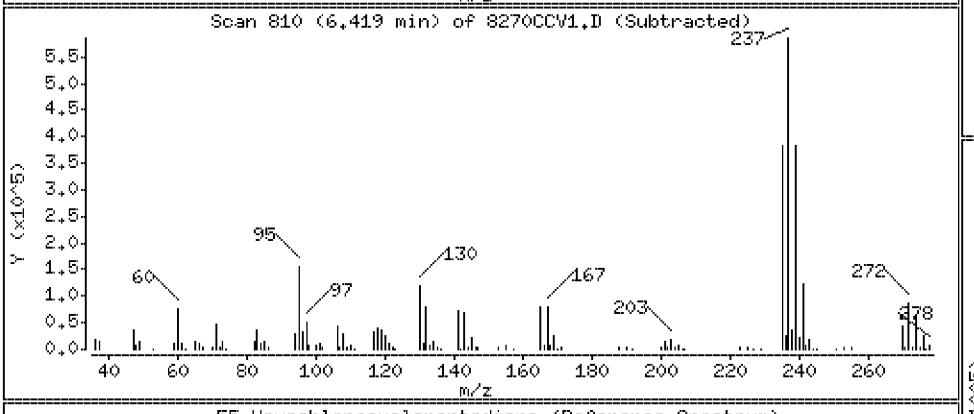
Column phase: HPMS-5

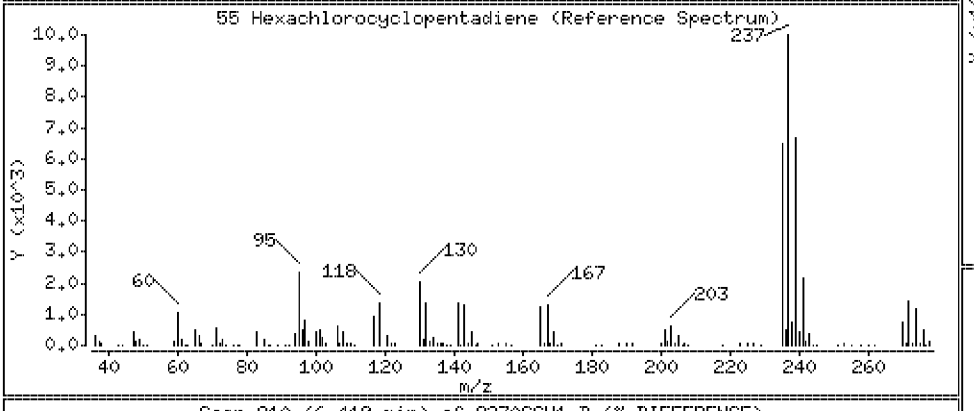
Column diameter: 0.25

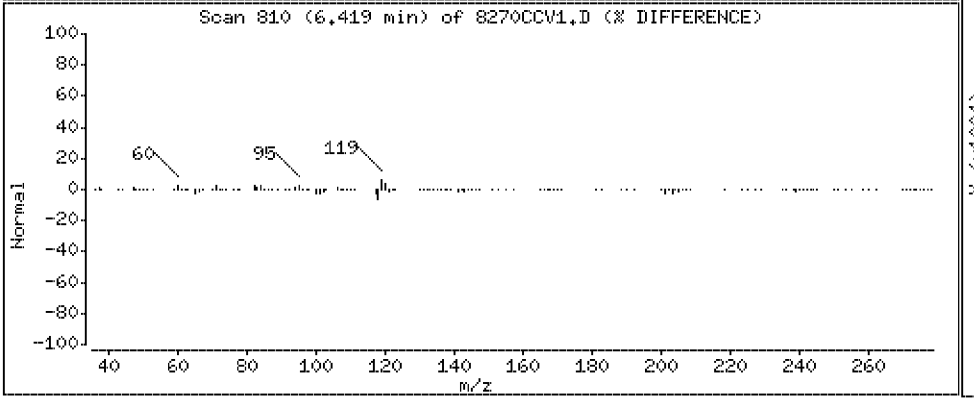
55 Hexachlorocyclopentadiene

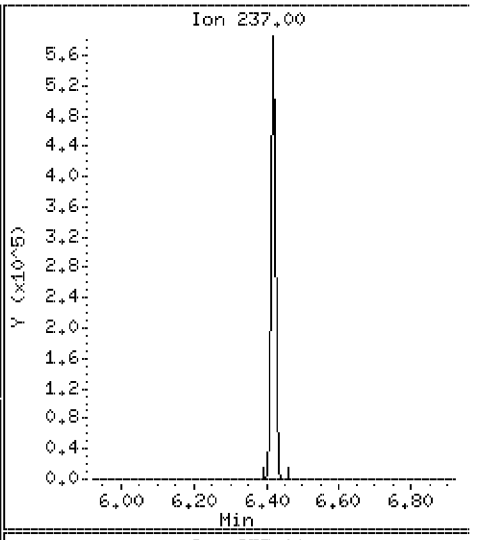
Concentration: 47.4 ug/l

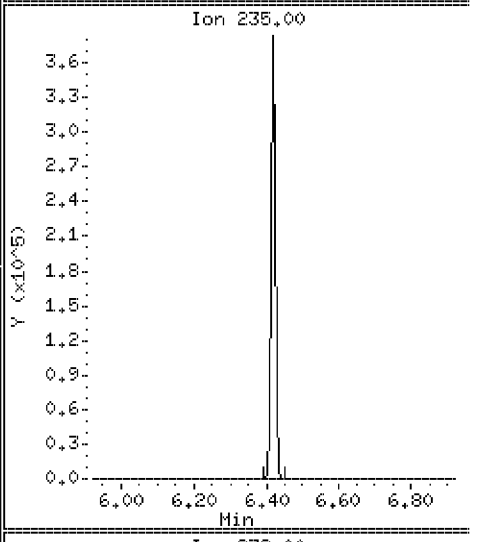


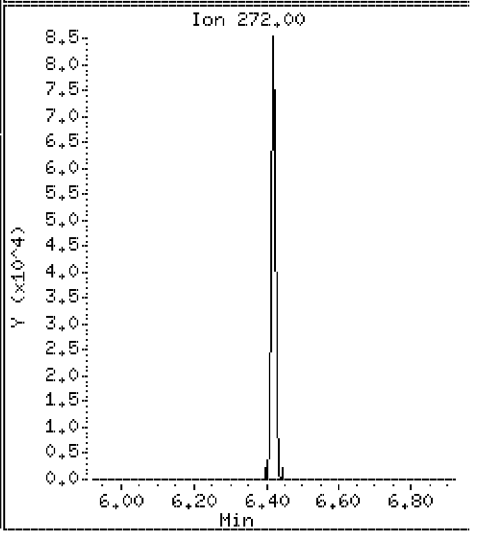












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

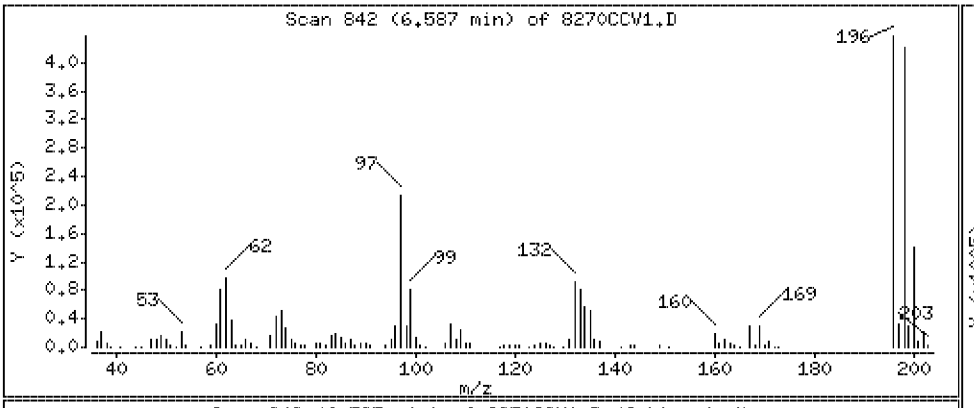
Operator: PEL

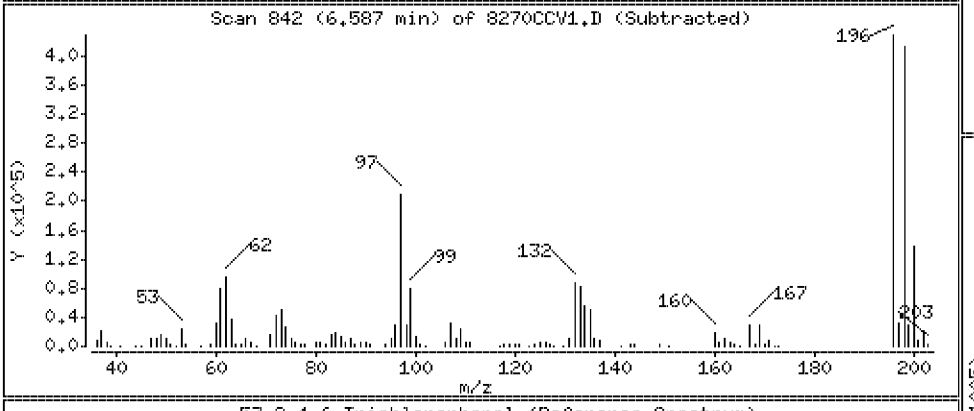
Column phase: HPMS-5

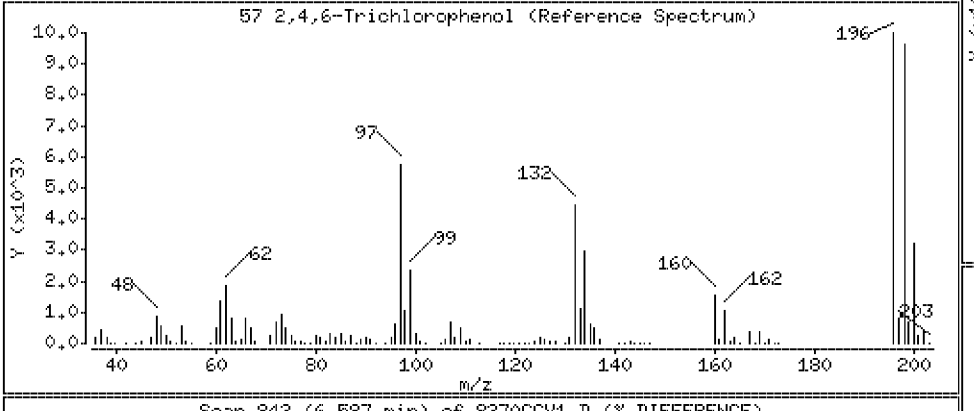
Column diameter: 0.25

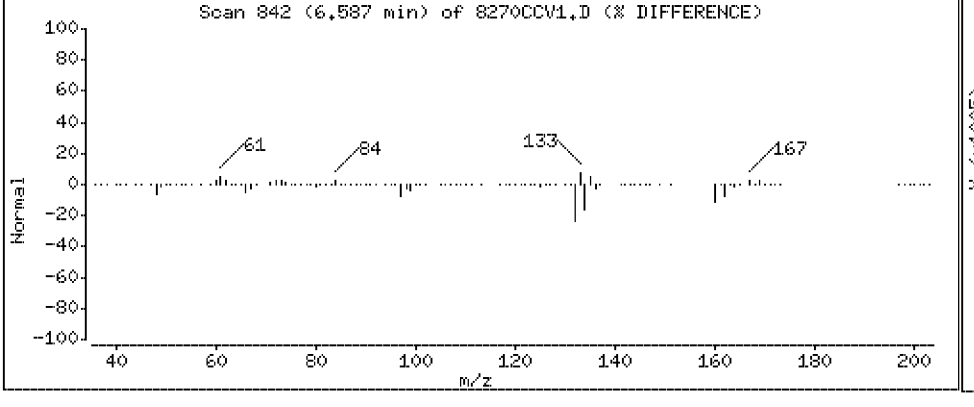
57 2,4,6-Trichlorophenol

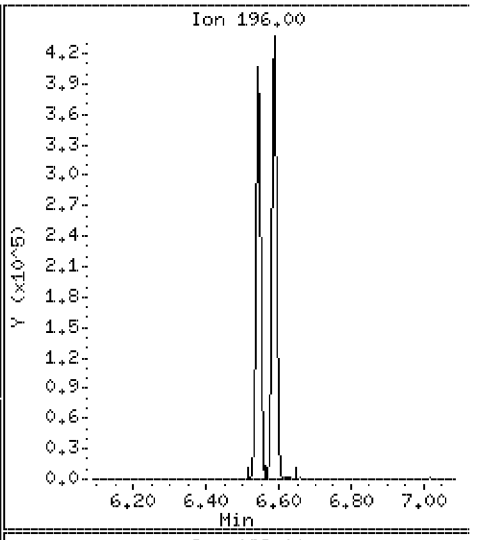
Concentration: 49.4 ug/l

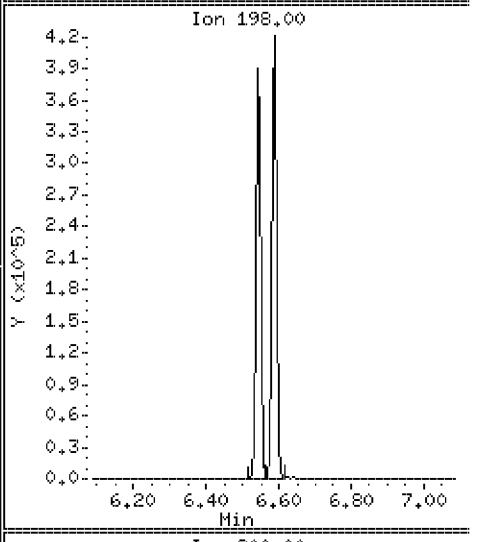


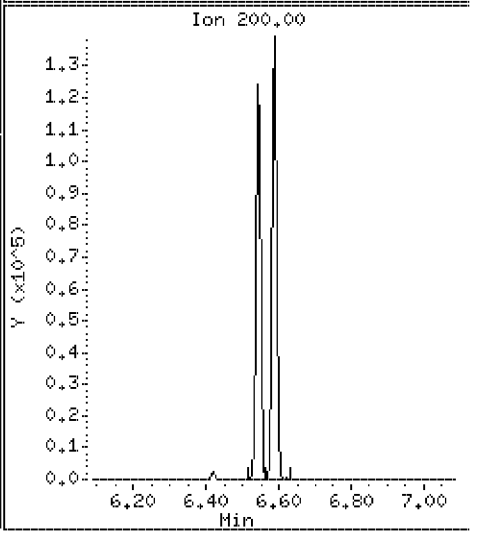












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

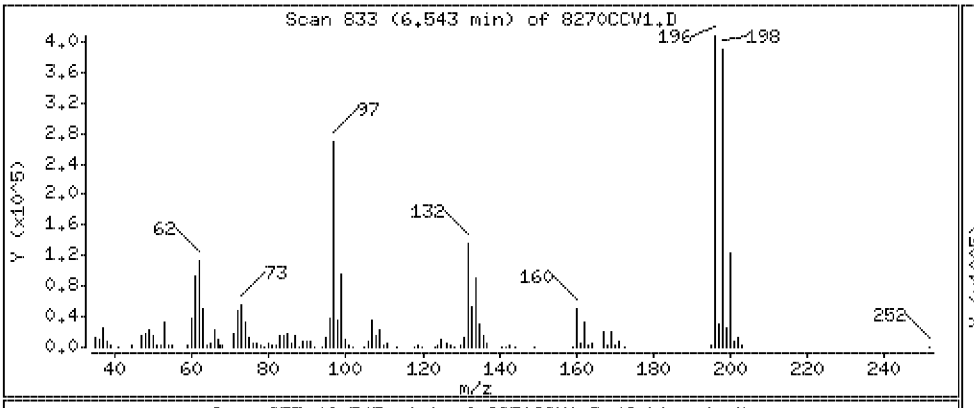
Operator: PEL

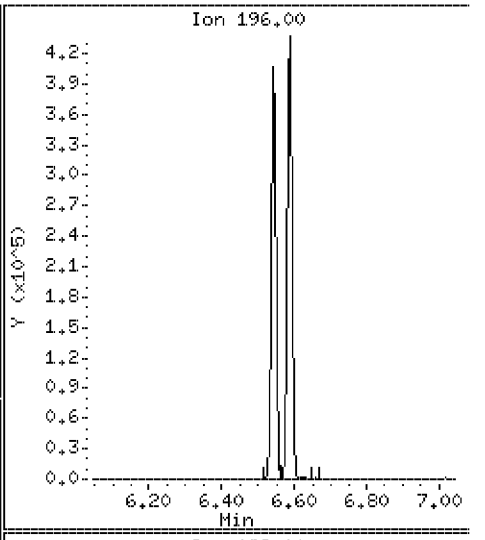
Column phase: HPMS-5

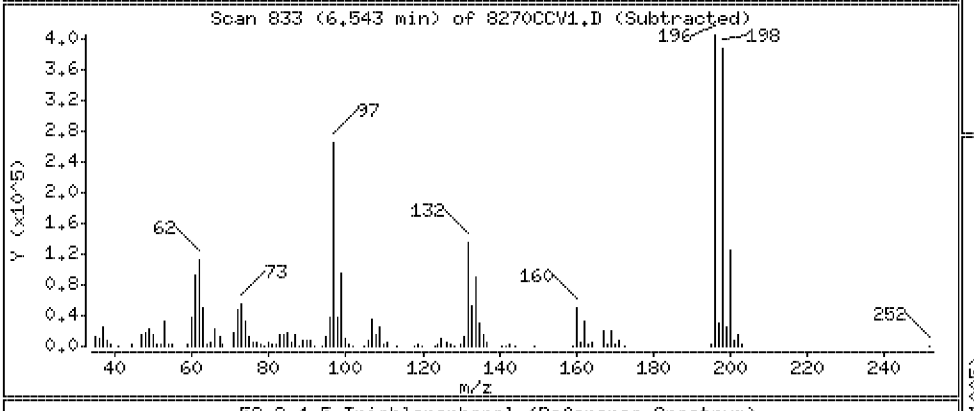
Column diameter: 0.25

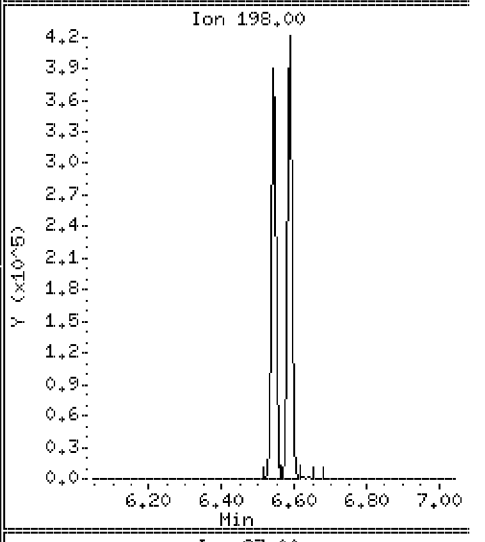
58 2,4,5-Trichlorophenol

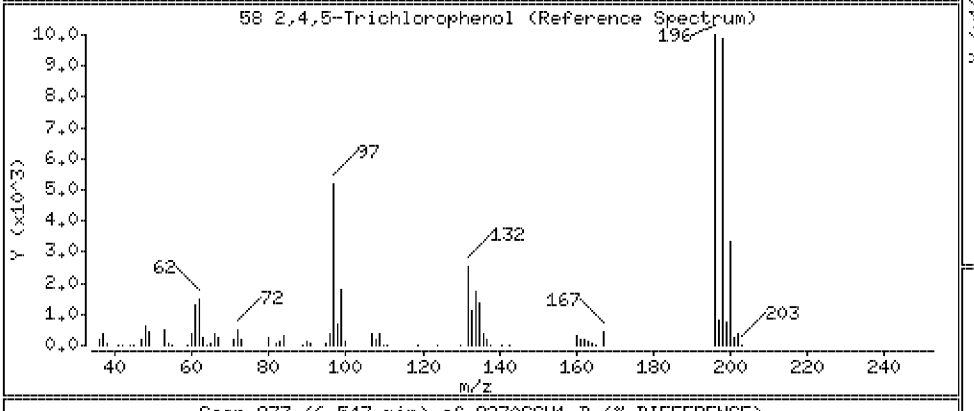
Concentration: 47.7 ug/l

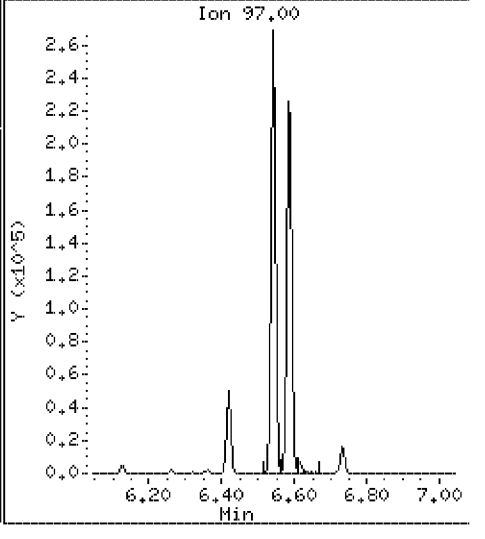


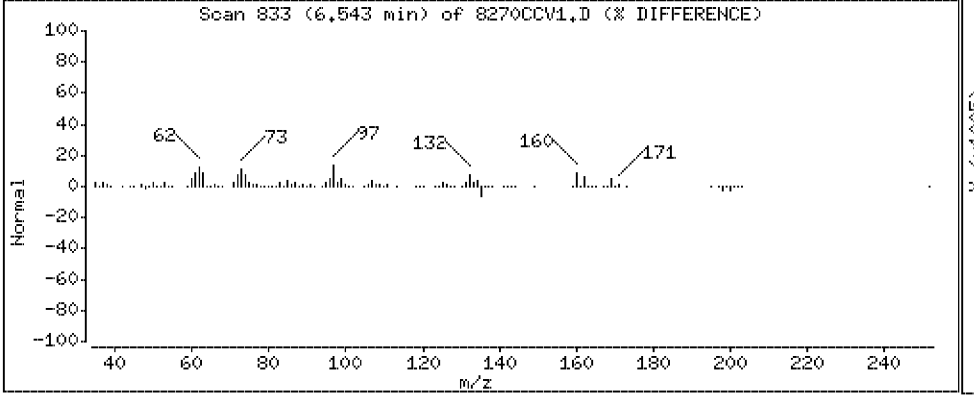












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

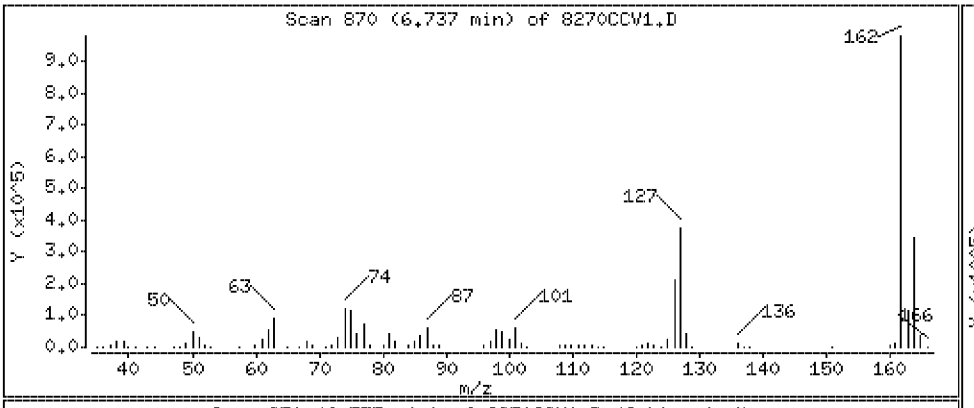
Operator: PEL

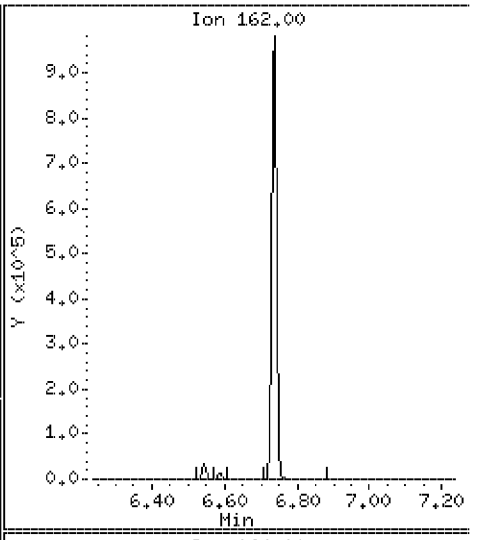
Column phase: HPMS-5

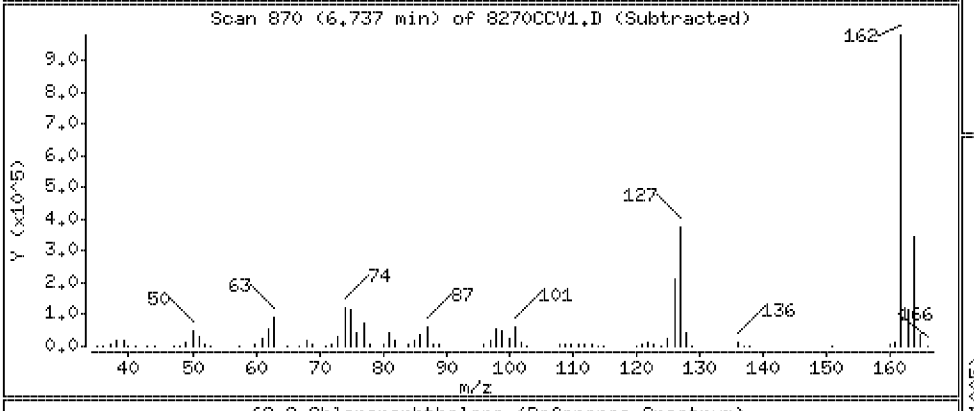
Column diameter: 0.25

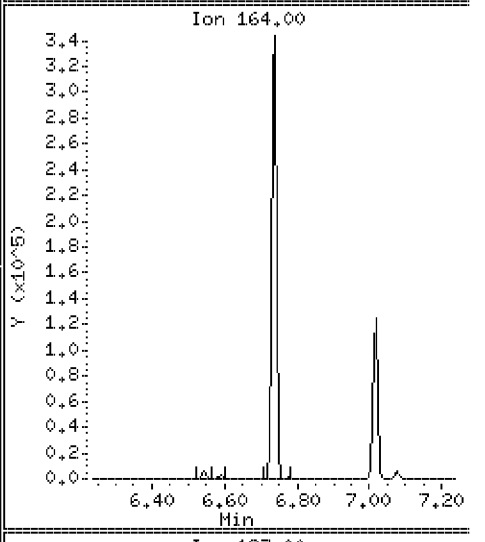
62 2-Chloronaphthalene

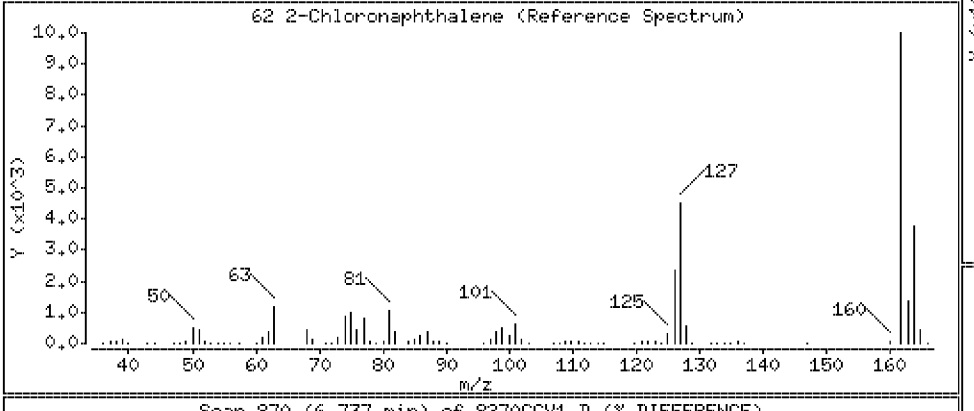
Concentration: 47.0 ug/l

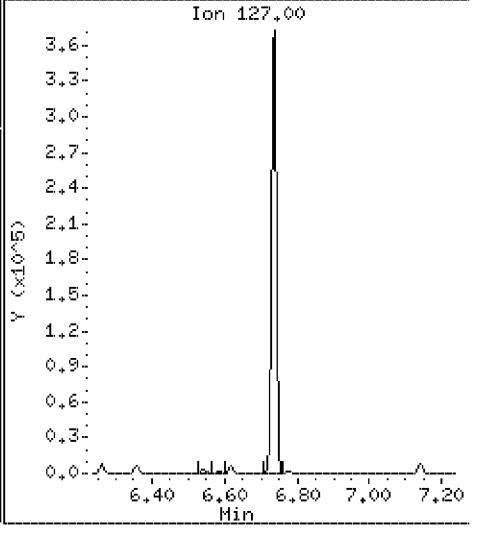


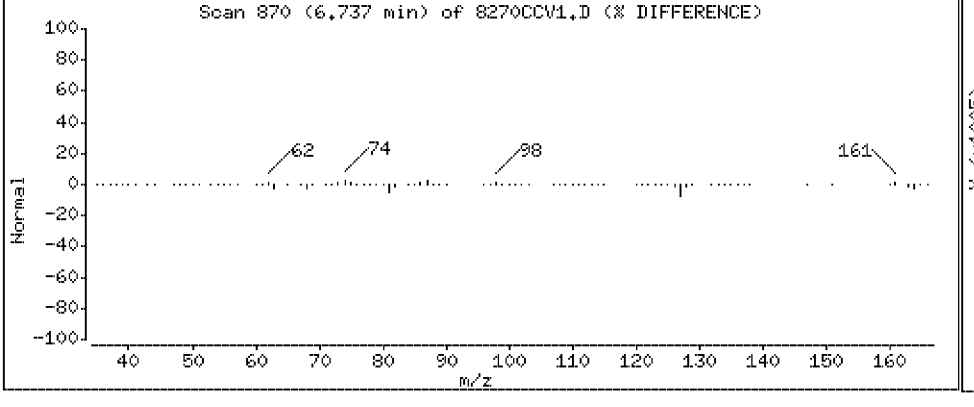












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

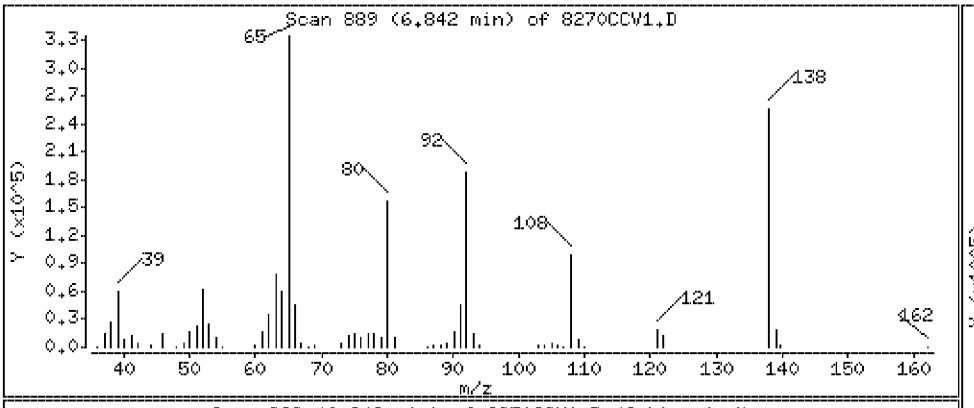
Operator: PEL

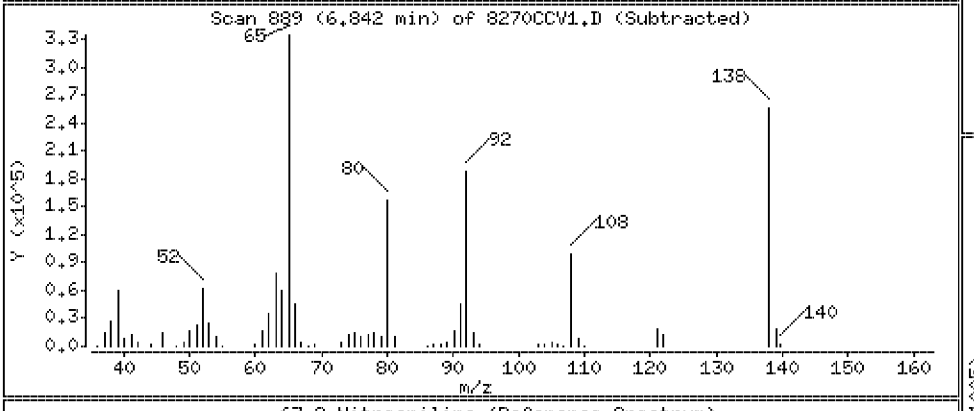
Column phase: HPMS-5

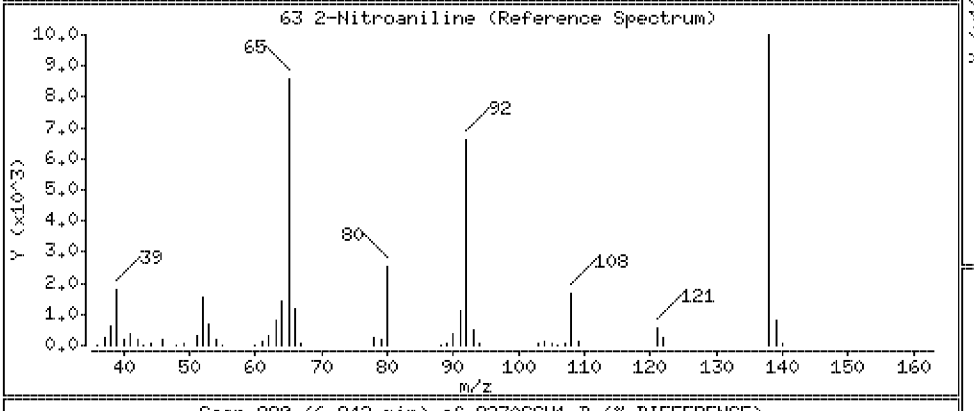
Column diameter: 0.25

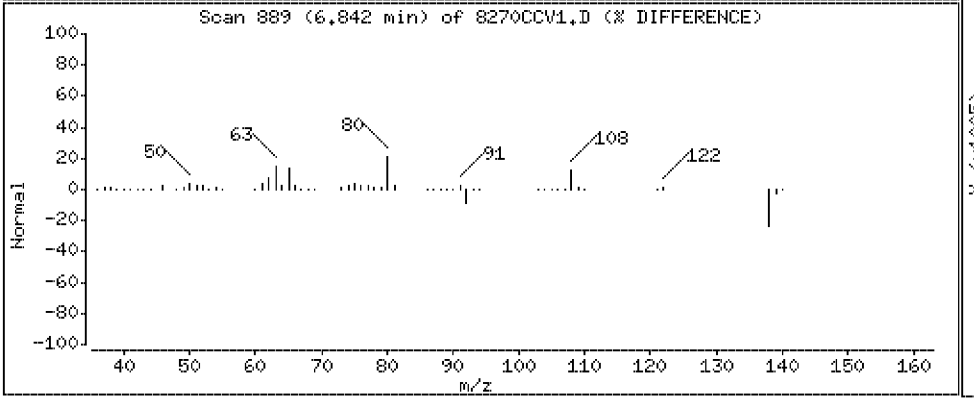
63 2-Nitroaniline

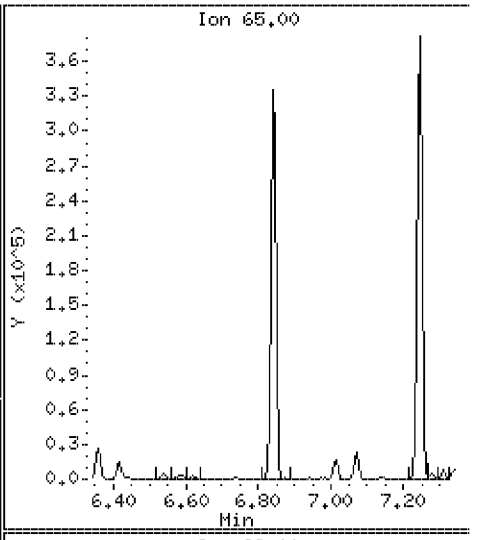
Concentration: 48.4 ug/l

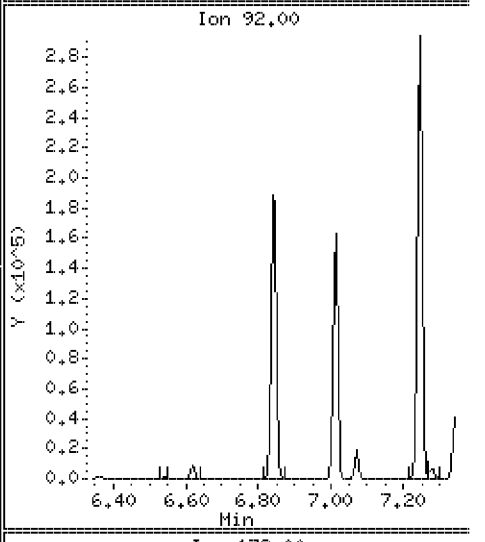


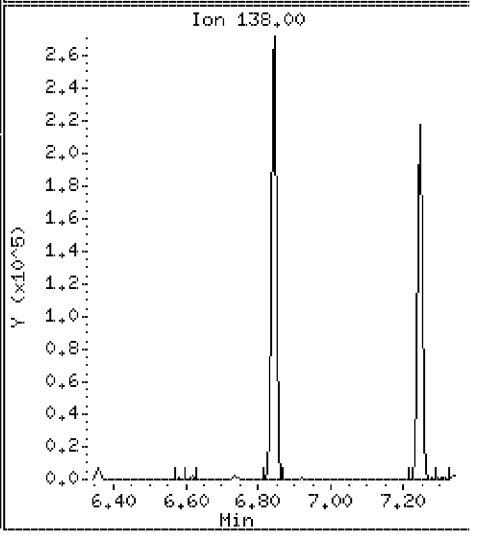












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

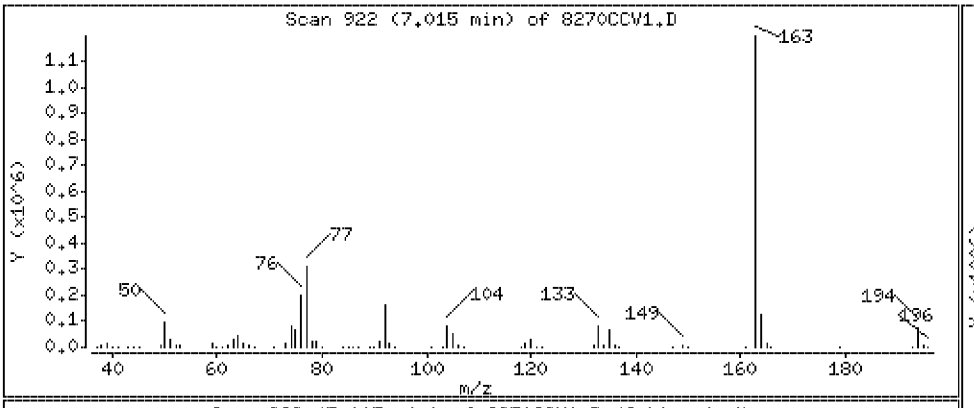
Operator: PEL

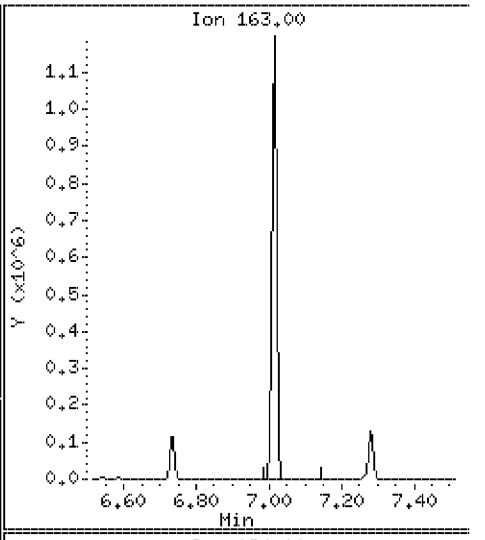
Column phase: HPMS-5

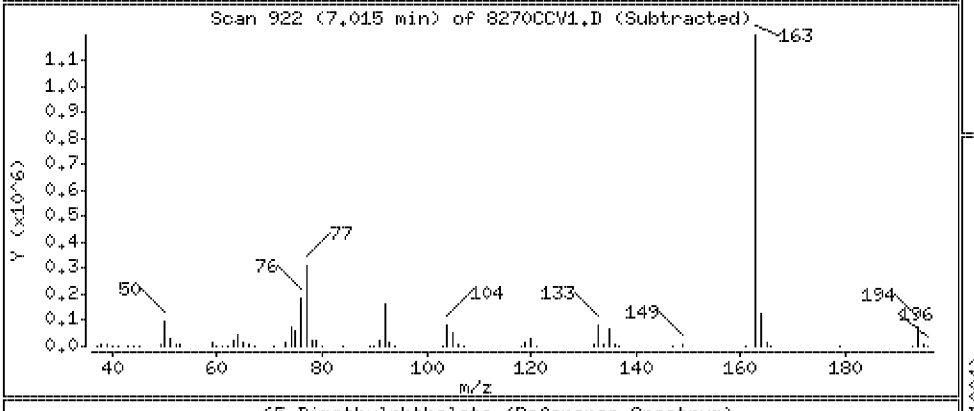
Column diameter: 0.25

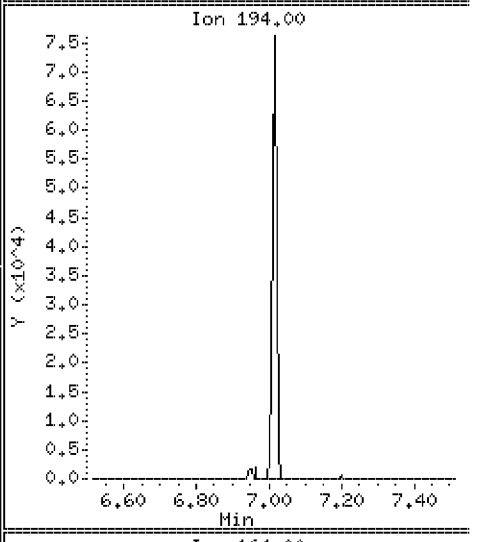
65 Dimethylphthalate

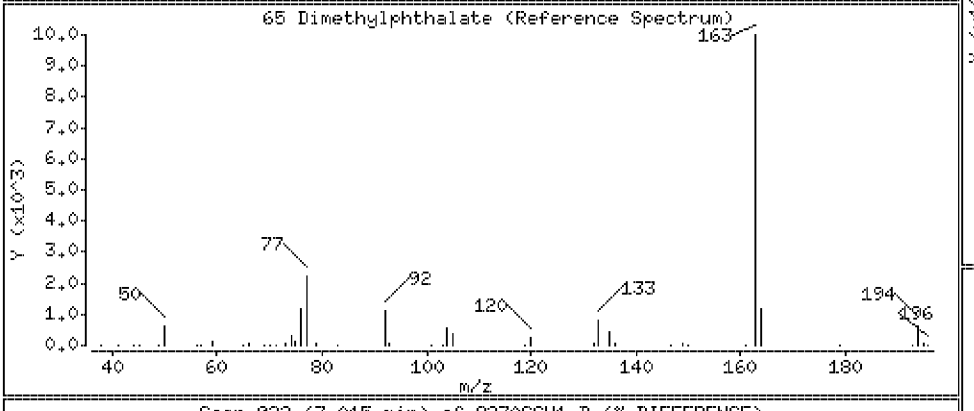
Concentration: 48.4 ug/l

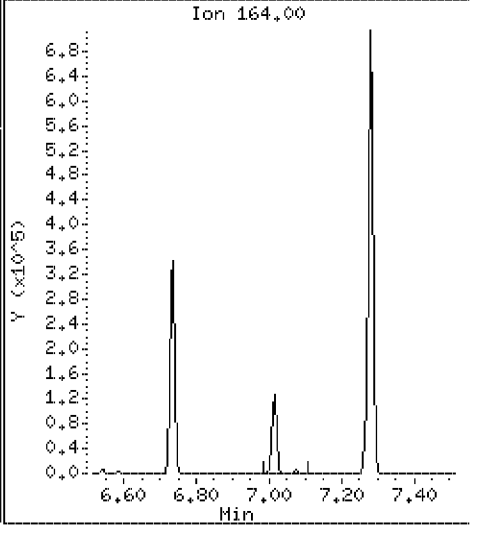


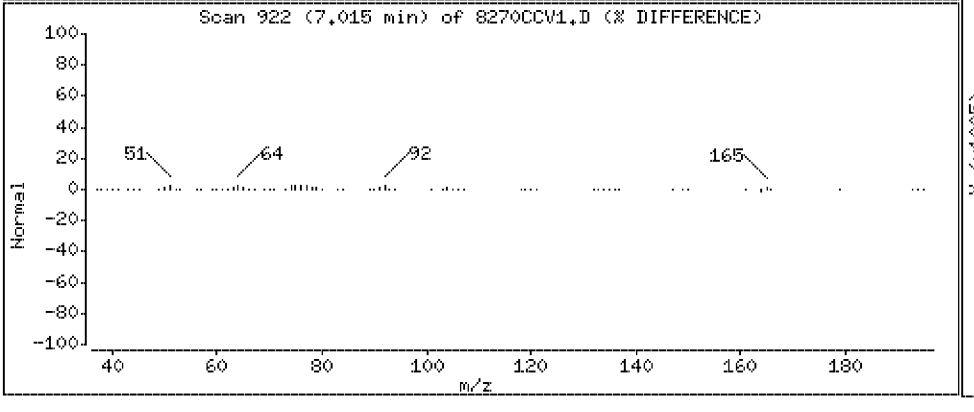












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

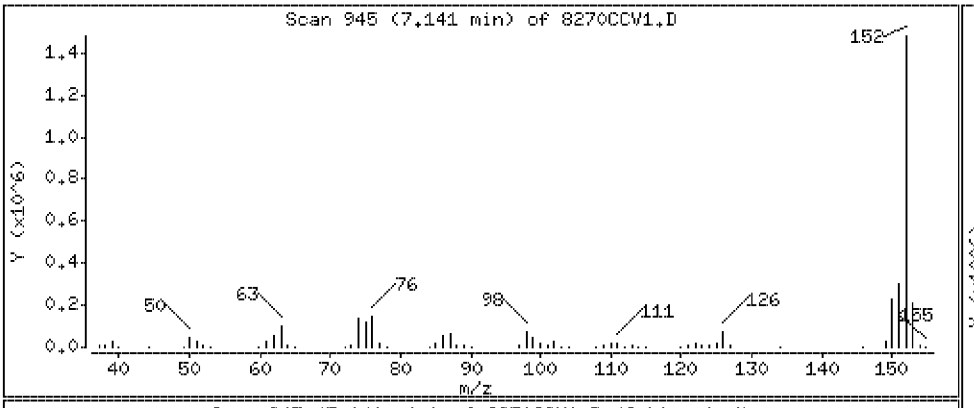
Operator: PEL

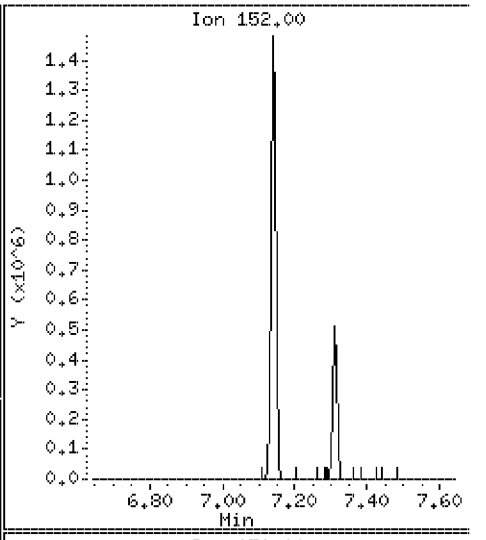
Column phase: HPMS-5

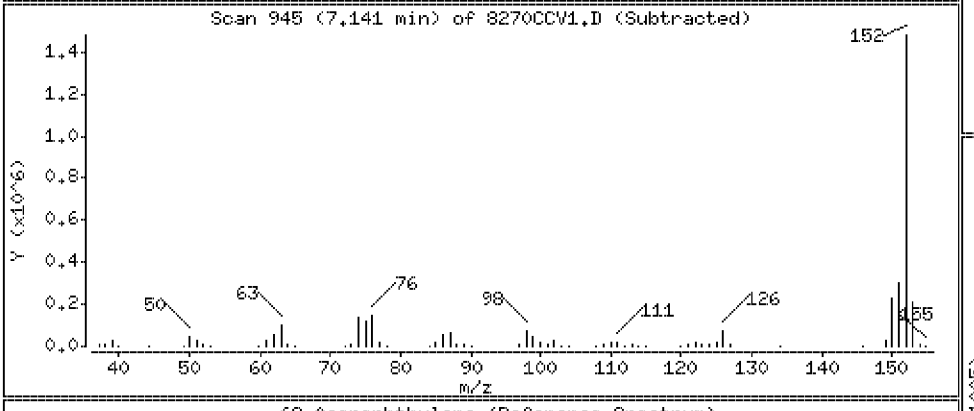
Column diameter: 0.25

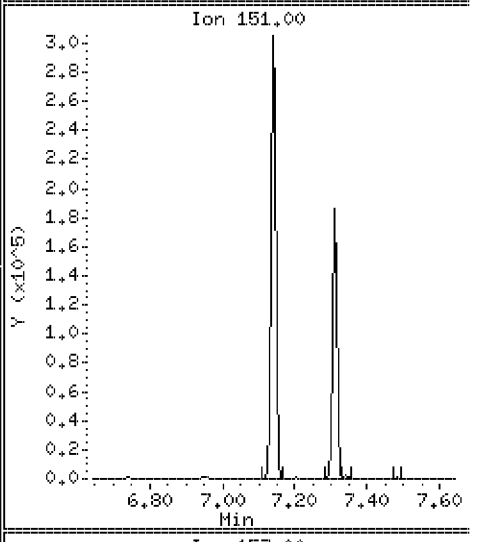
68 Acenaphthylene

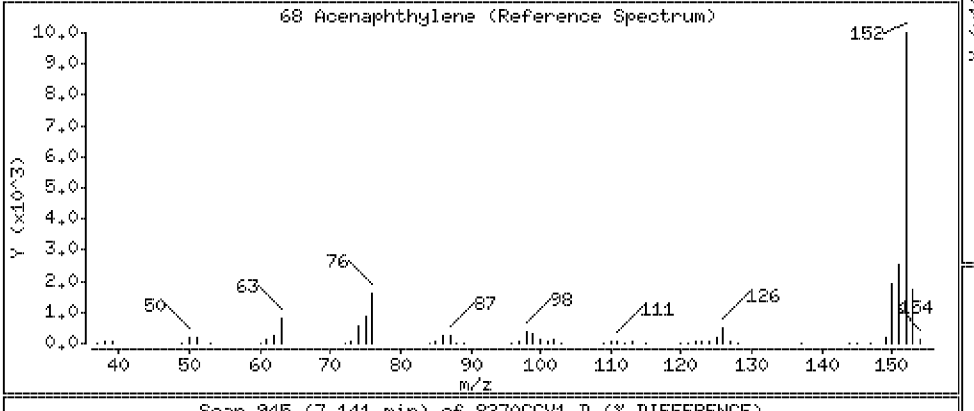
Concentration: 47.8 ug/l

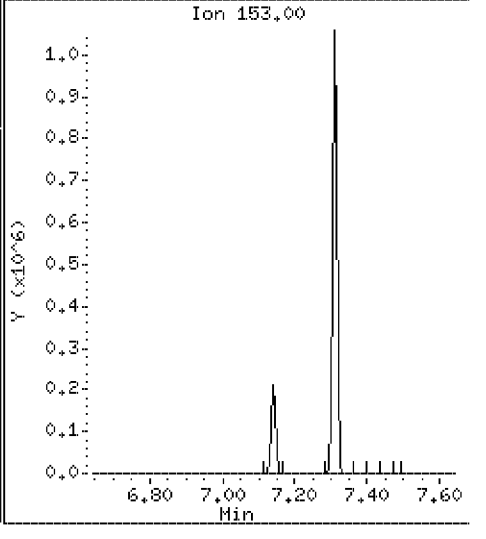


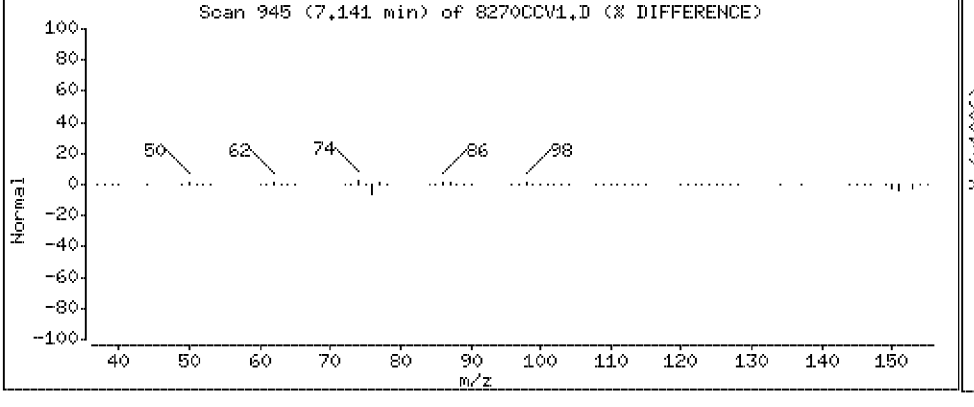












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

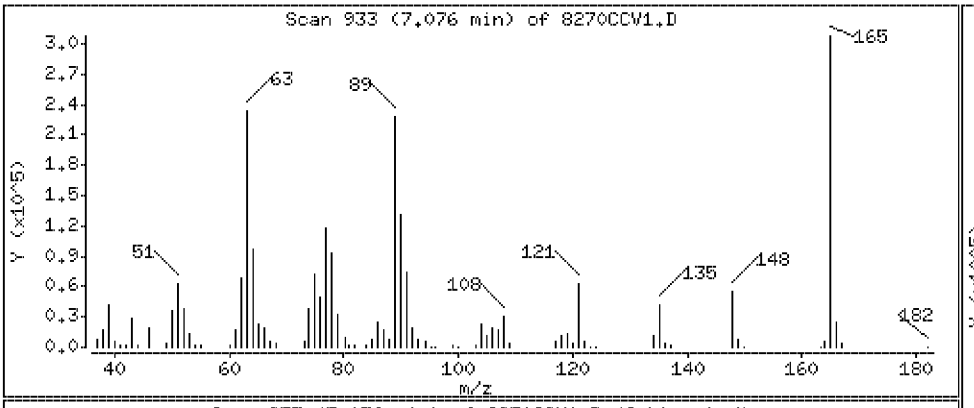
Operator: PEL

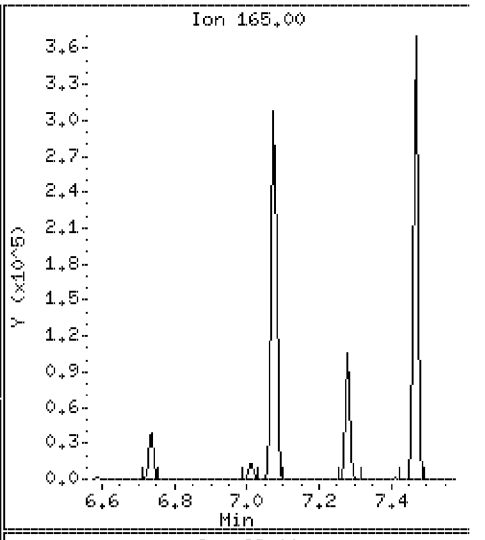
Column phase: HPMS-5

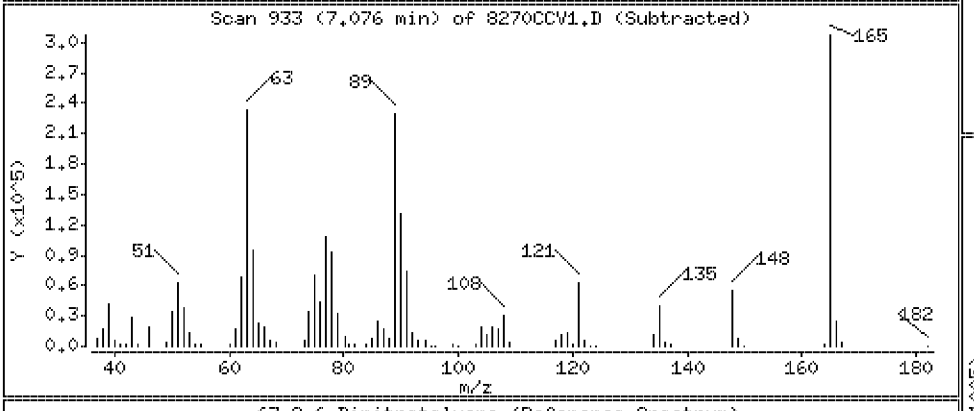
Column diameter: 0.25

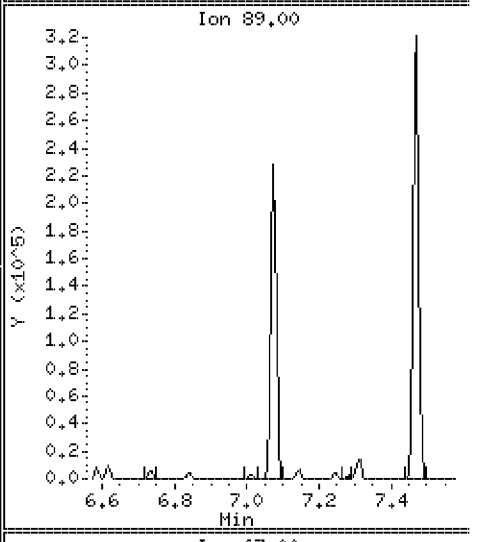
67 2,6-Dinitrotoluene

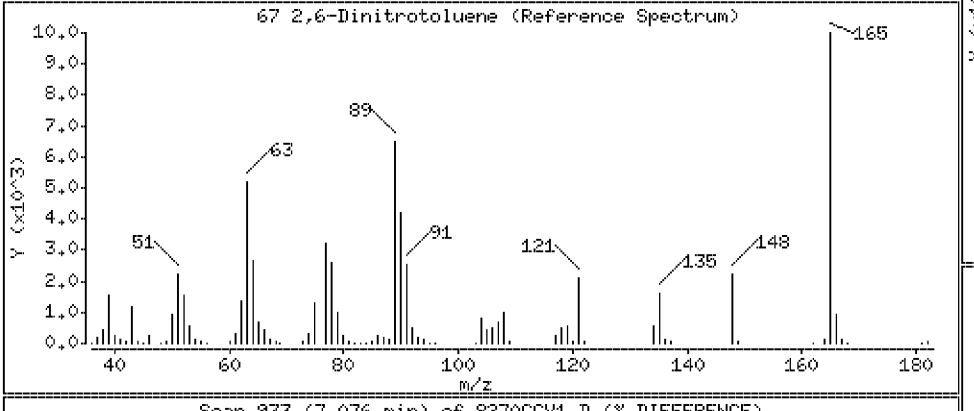
Concentration: 50.6 ug/l

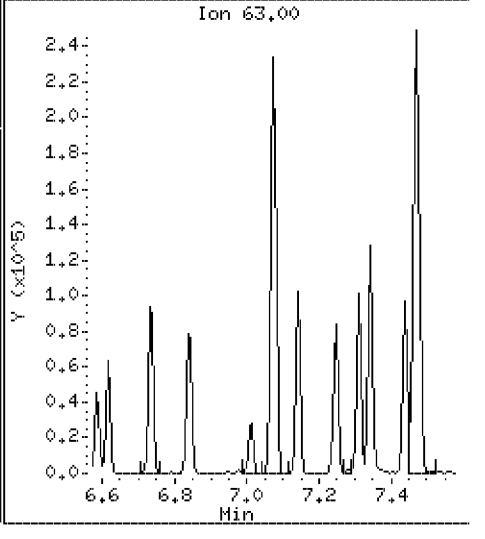


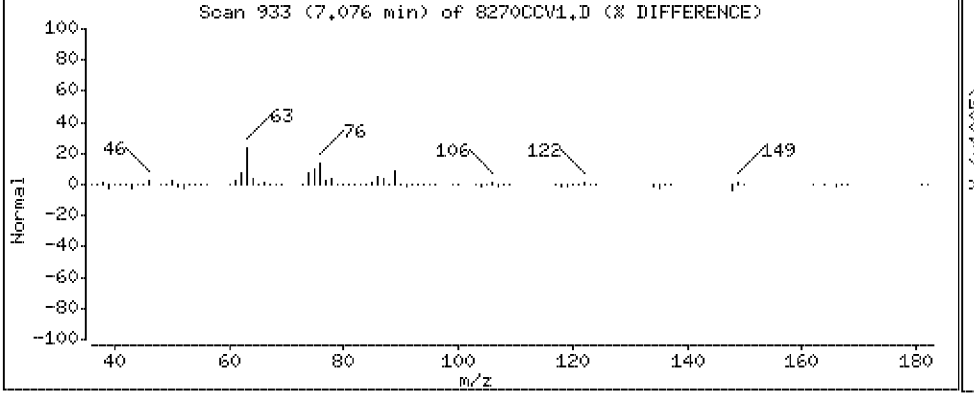












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

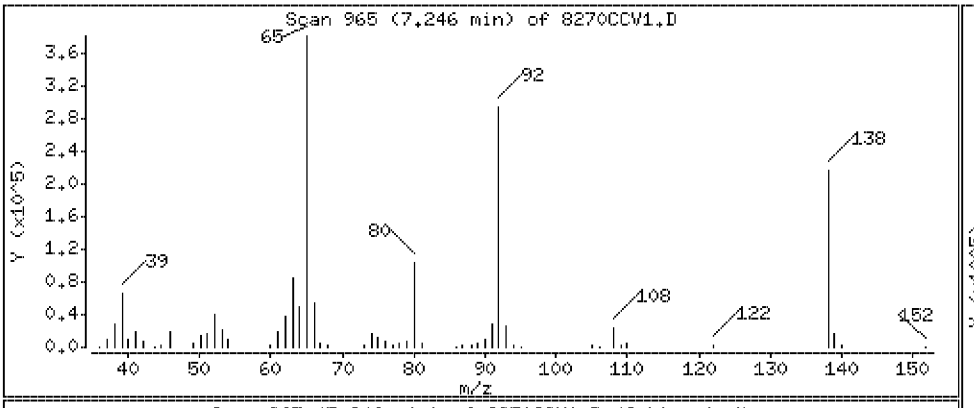
Operator: PEL

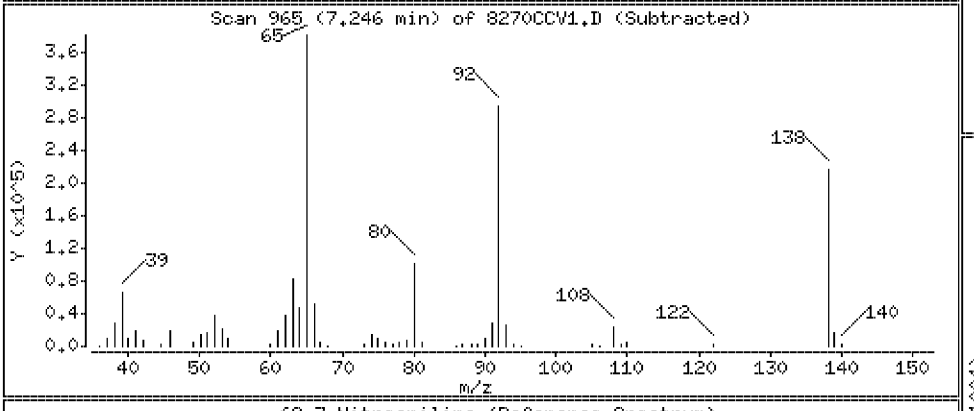
Column phase: HPMS-5

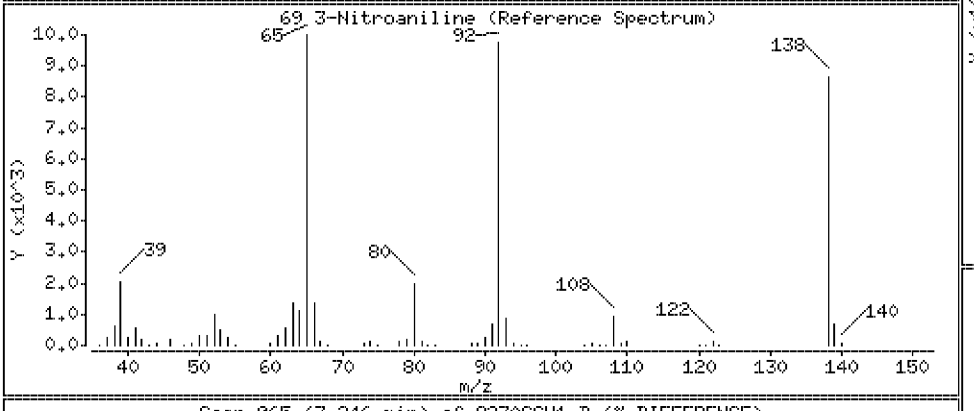
Column diameter: 0.25

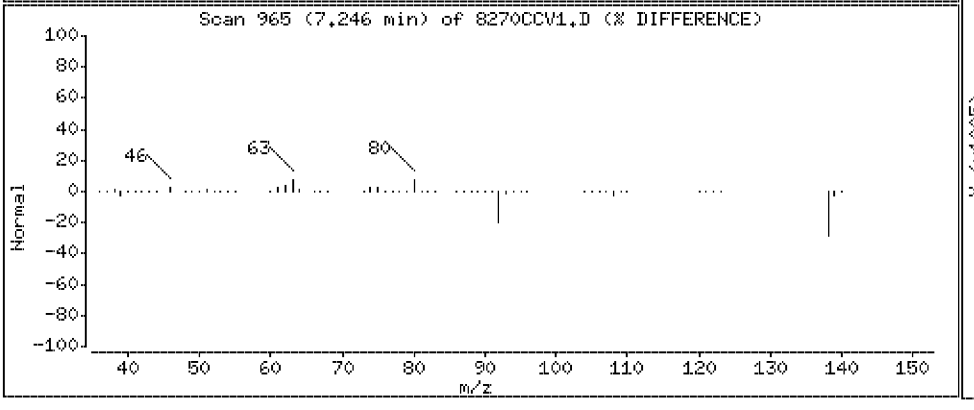
69 3-Nitroaniline

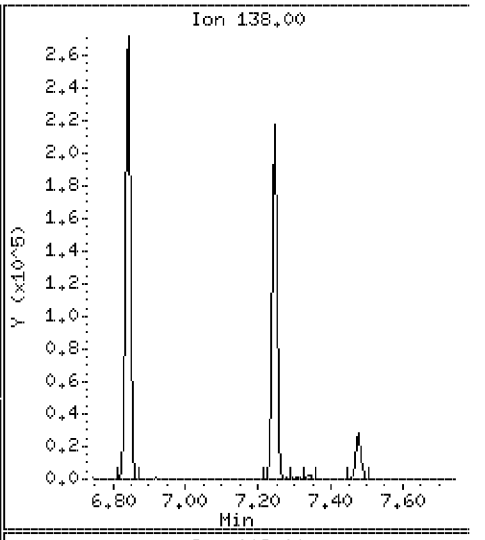
Concentration: 45.4 ug/l

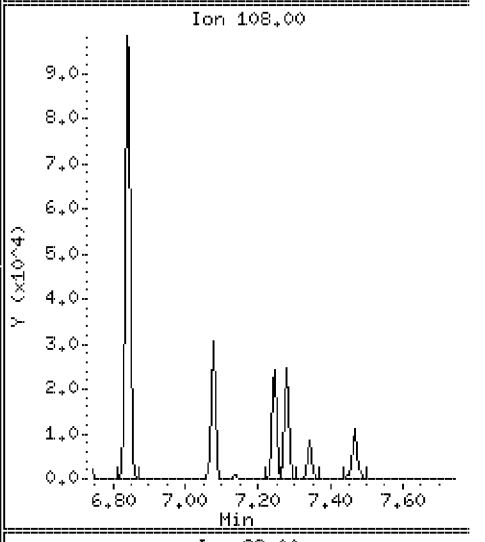


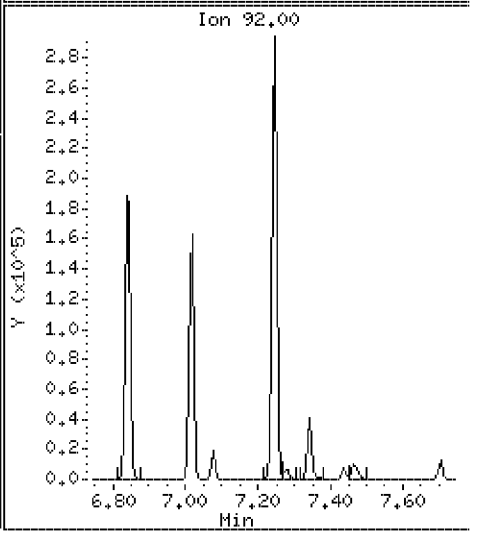












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

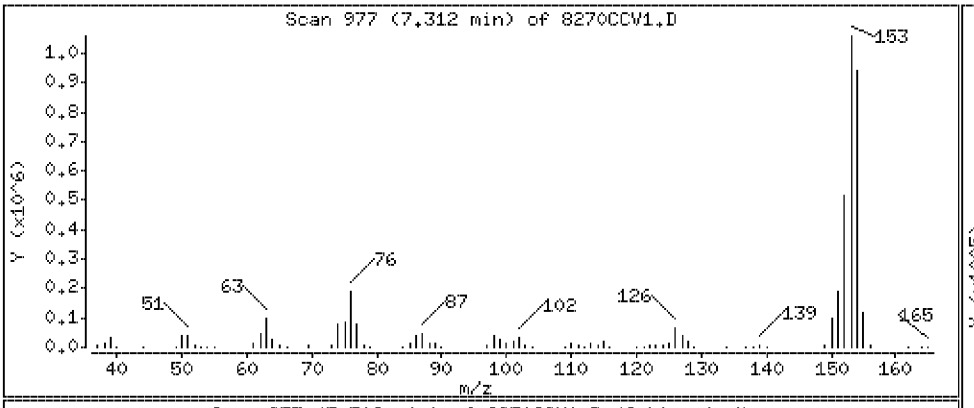
Operator: PEL

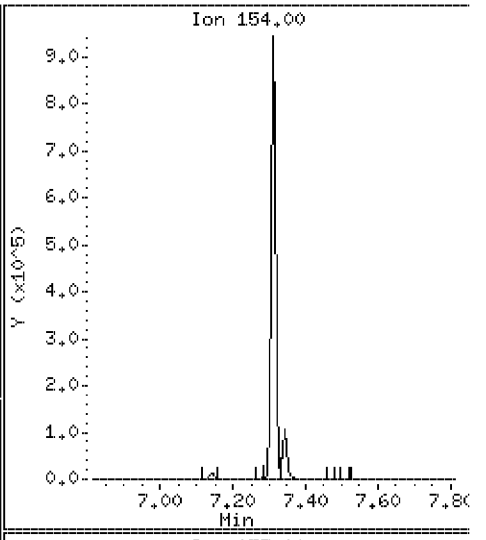
Column phase: HPMS-5

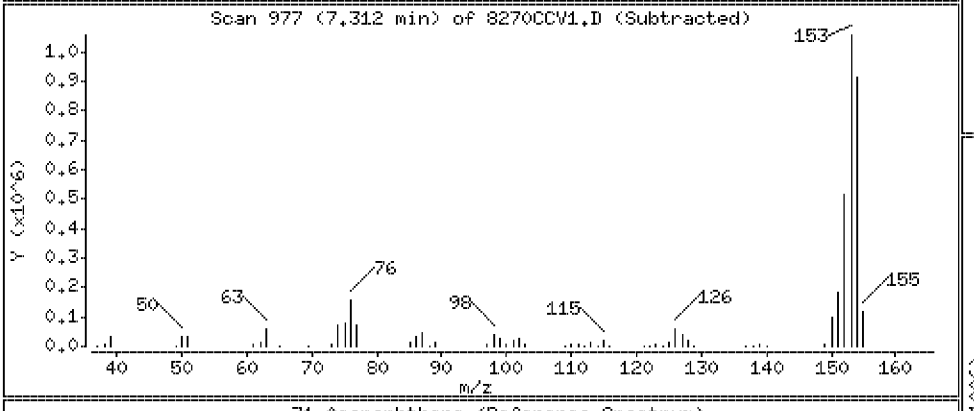
Column diameter: 0.25

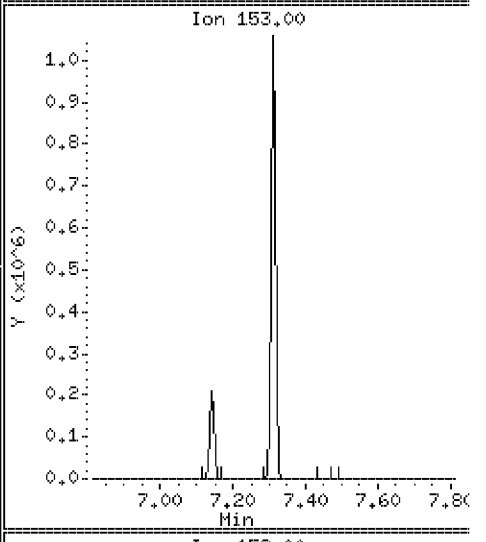
71 Acenaphthene

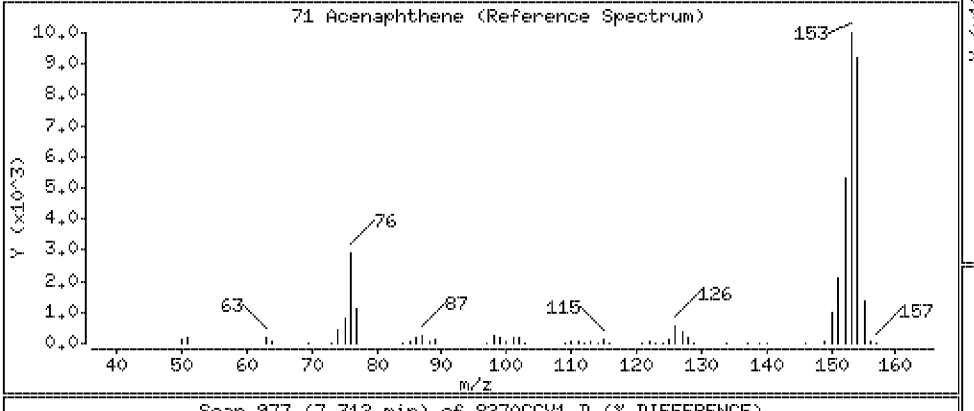
Concentration: 47.4 ug/l

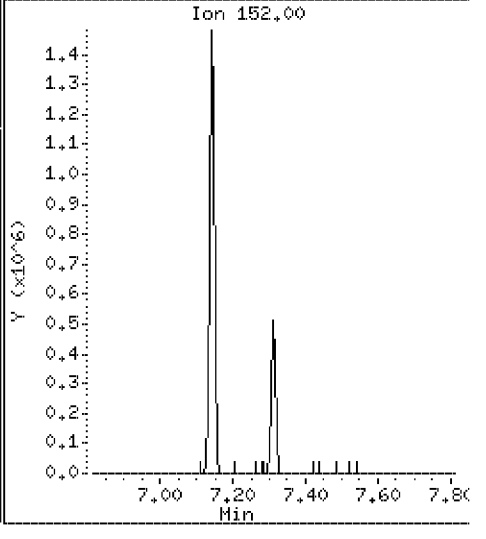


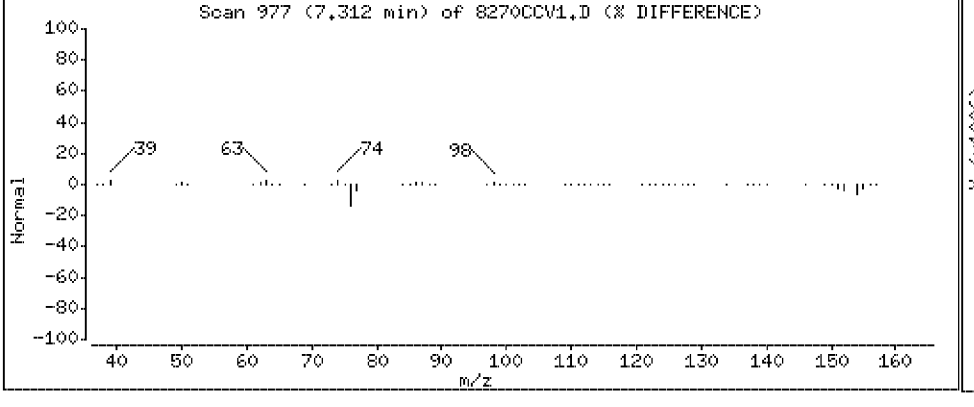












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

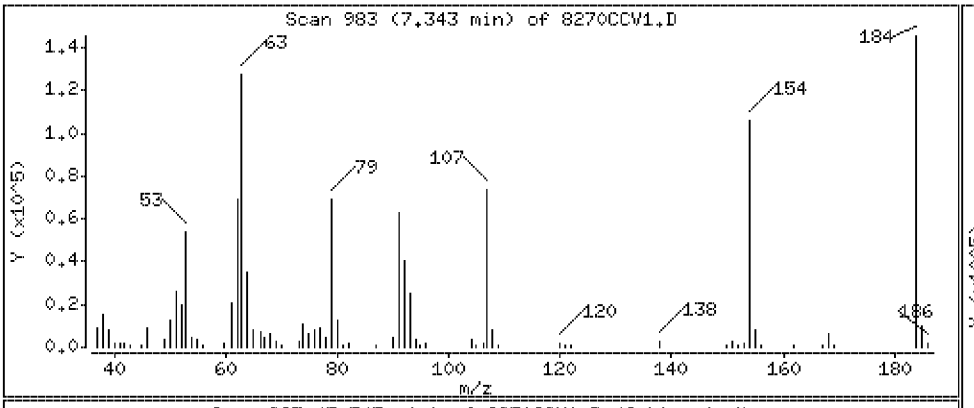
Operator: PEL

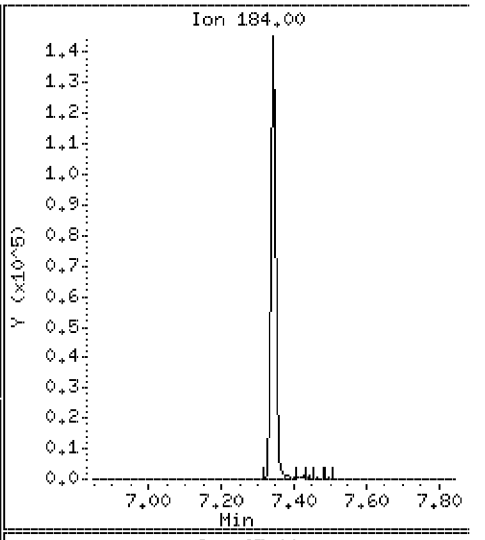
Column phase: HPMS-5

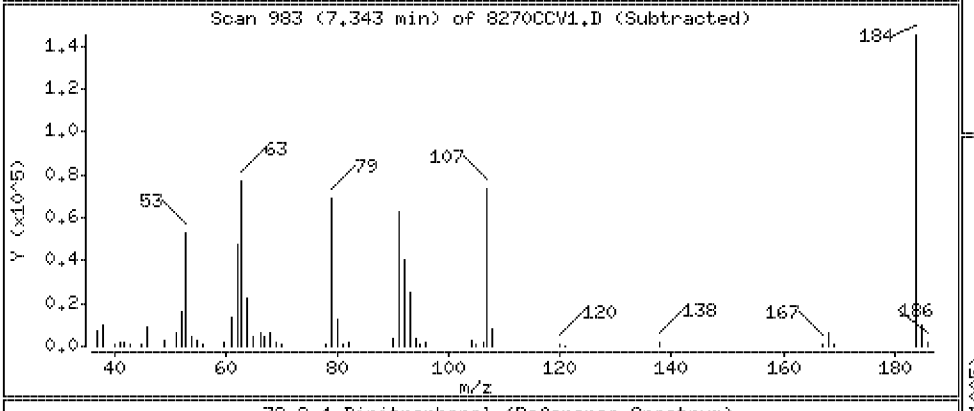
Column diameter: 0.25

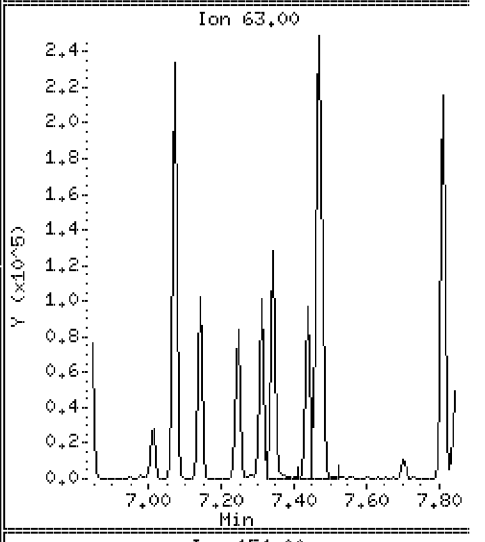
72 2,4-Dinitrophenol

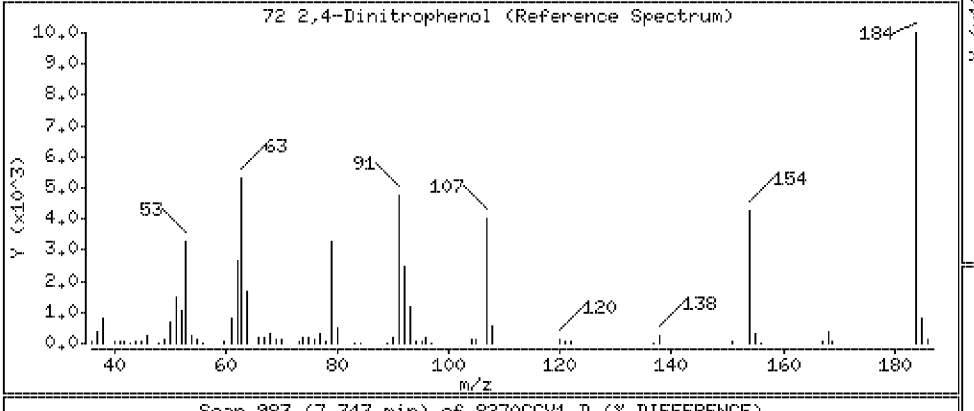
Concentration: 42.0 ug/l

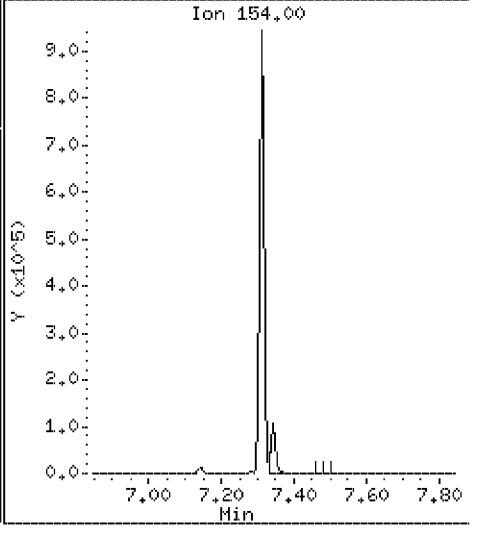


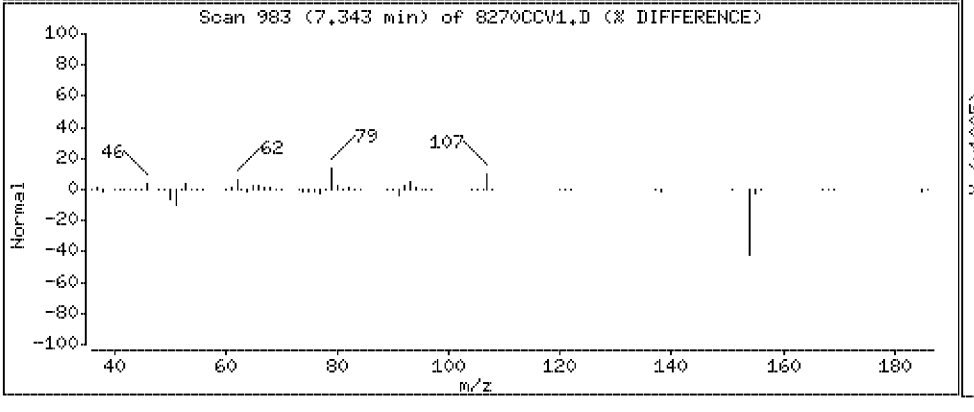












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

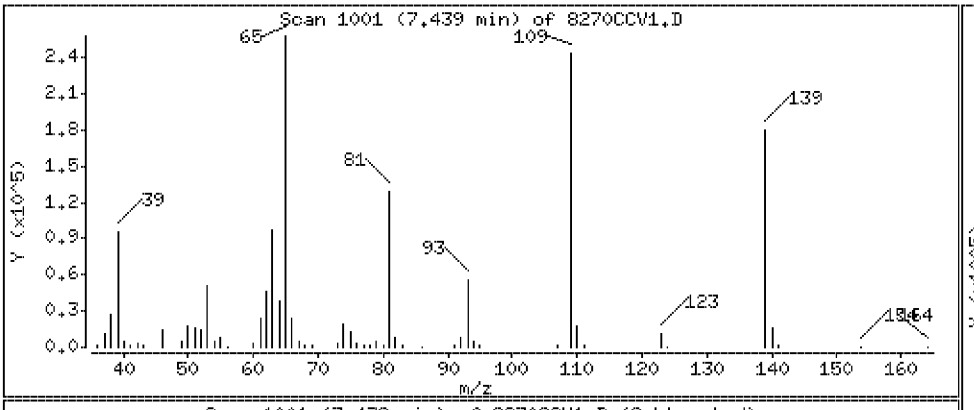
Operator: PEL

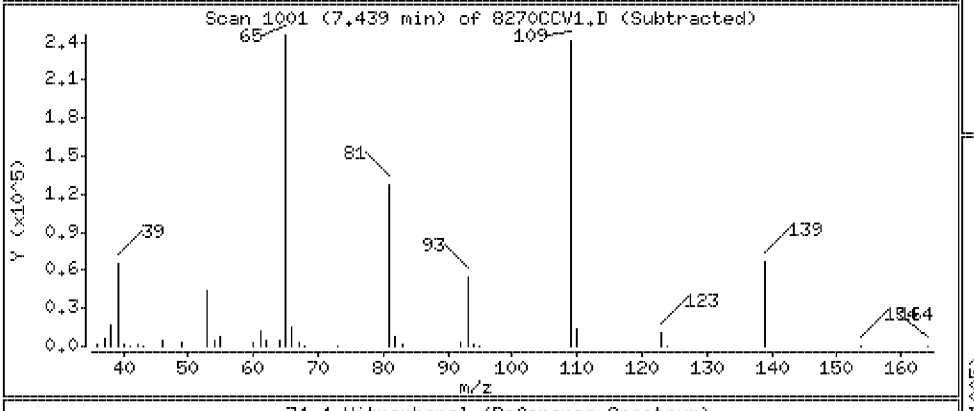
Column phase: HPMS-5

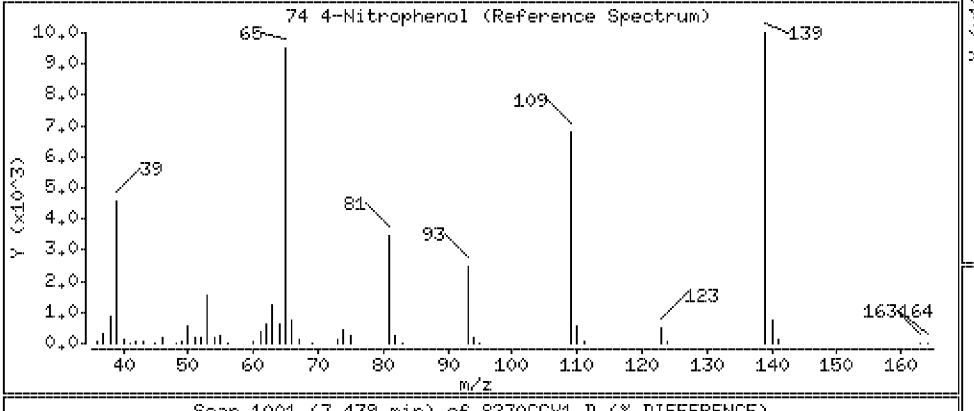
Column diameter: 0.25

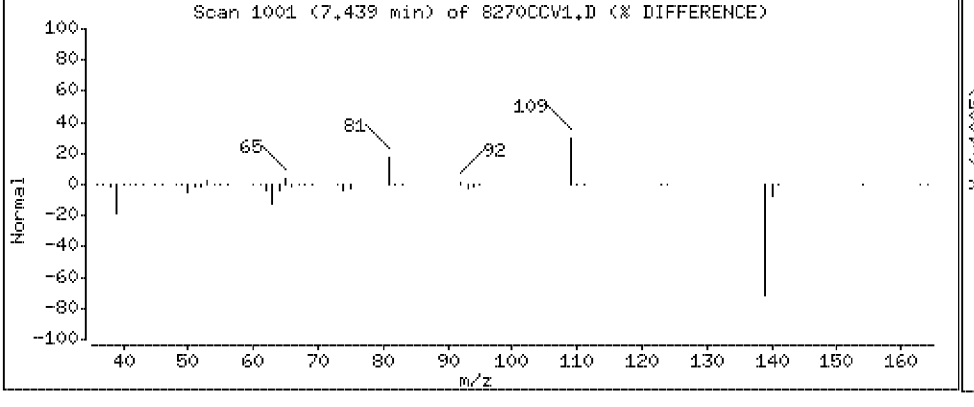
74 4-Nitrophenol

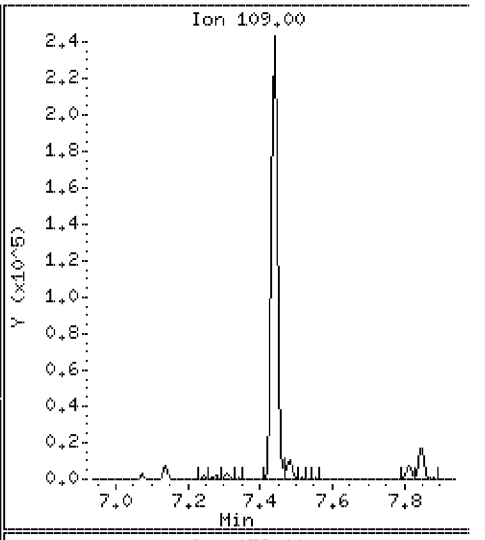
Concentration: 47.0 ug/l

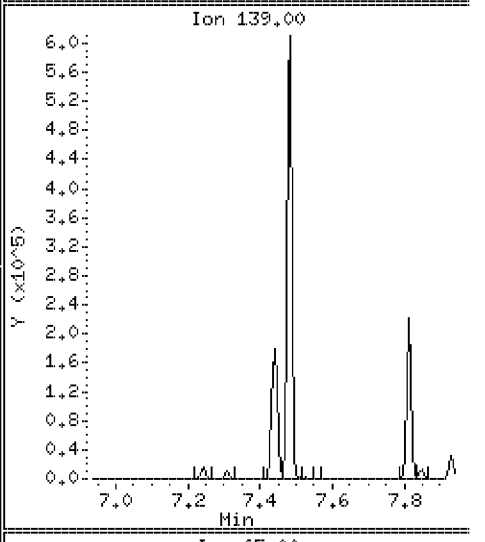


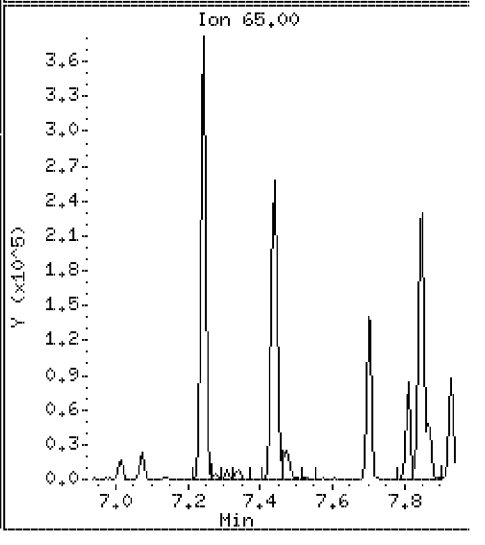












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

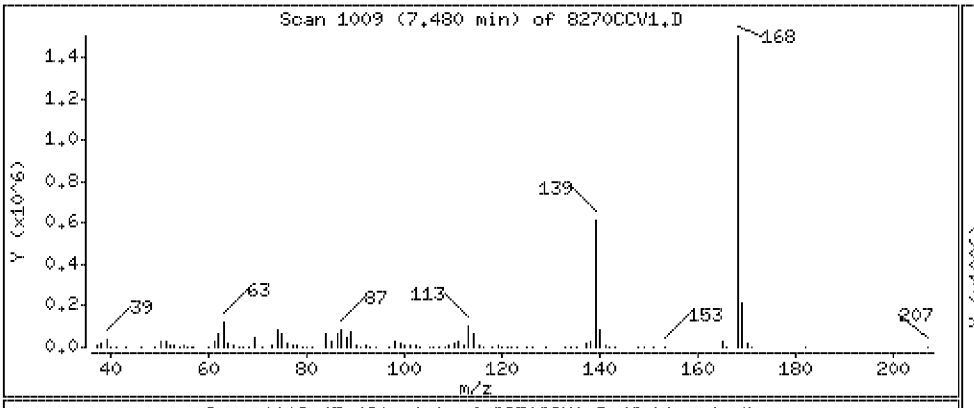
Operator: PEL

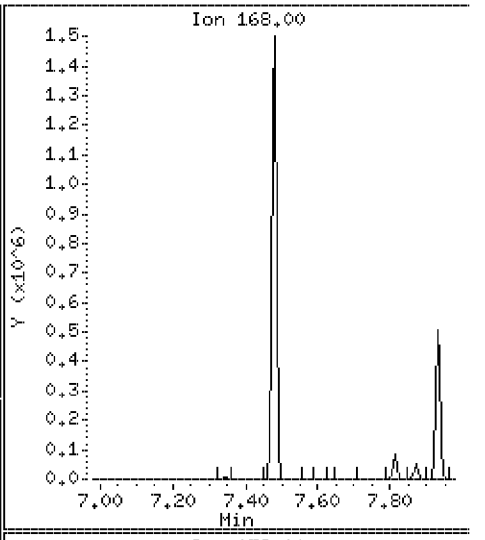
Column phase: HPMS-5

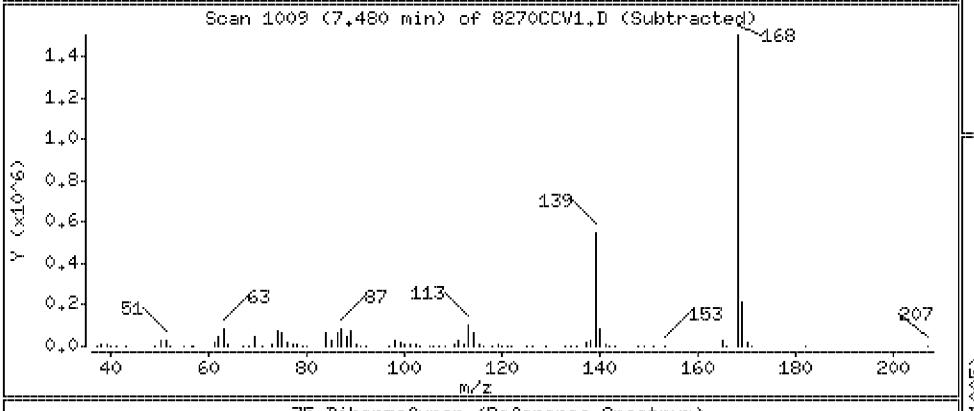
Column diameter: 0.25

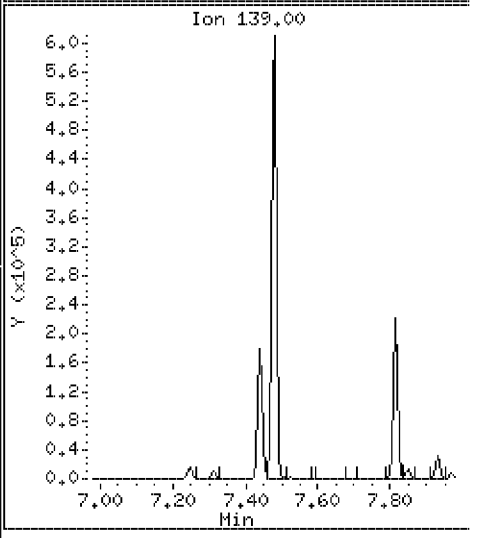
75 Dibenzofuran

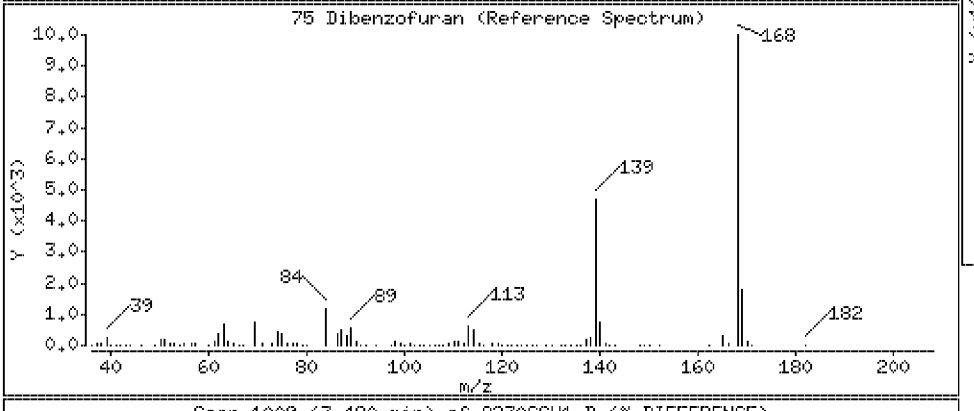
Concentration: 47.8 ug/l

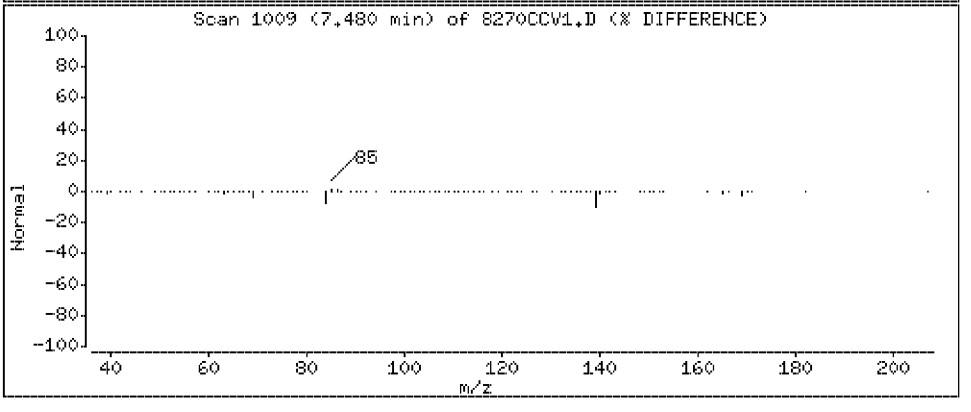












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

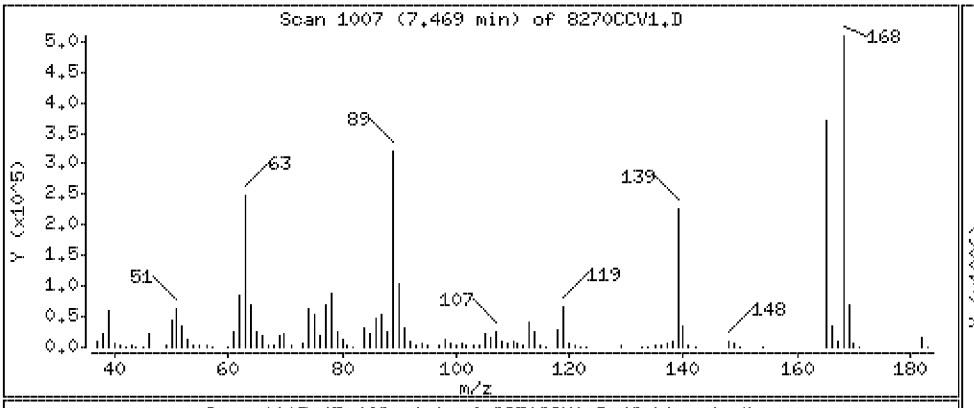
Operator: PEL

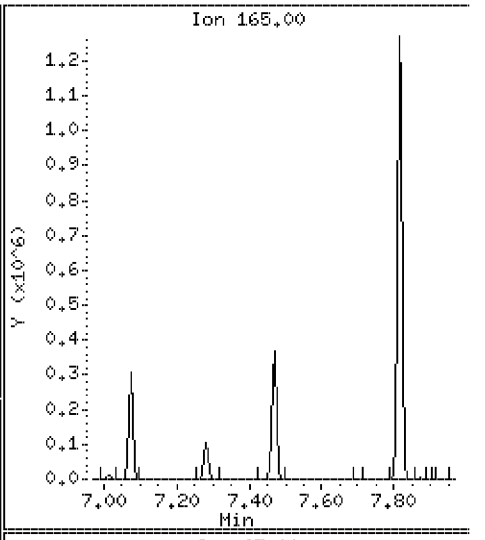
Column phase: HPMS-5

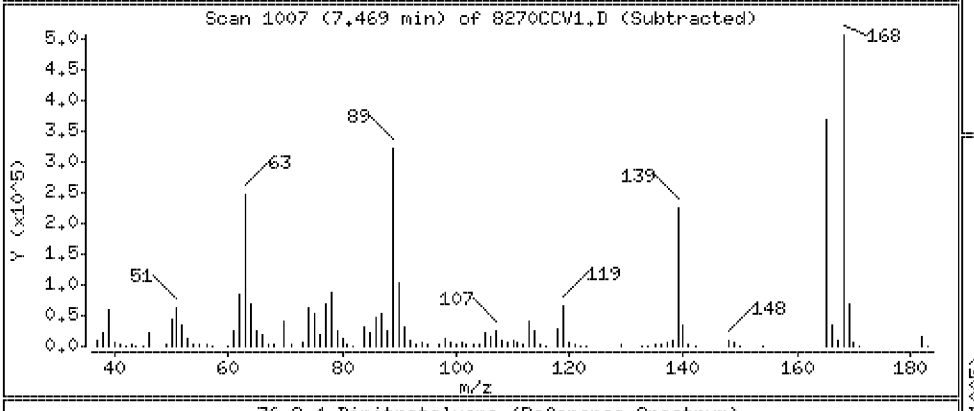
Column diameter: 0.25

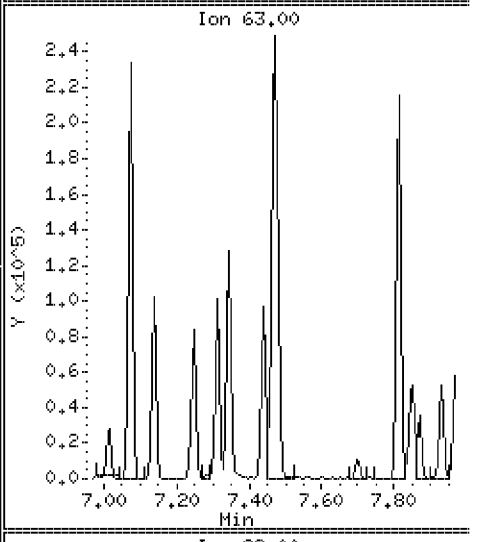
76 2,4-Dinitrotoluene

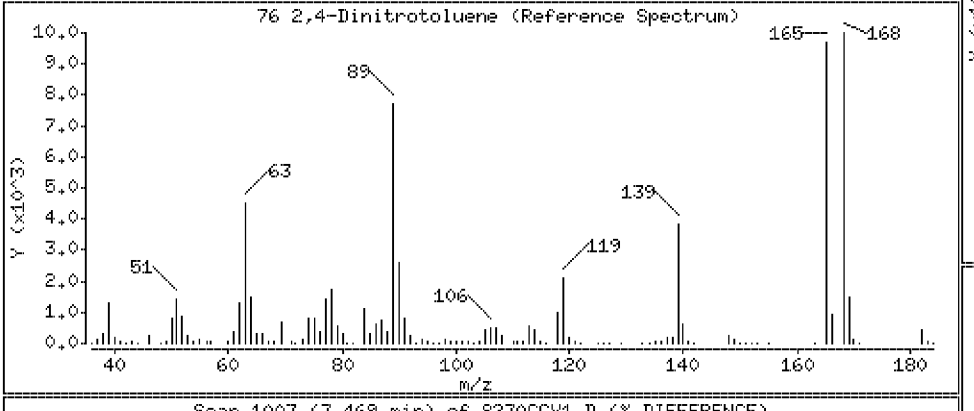
Concentration: 47.2 ug/l

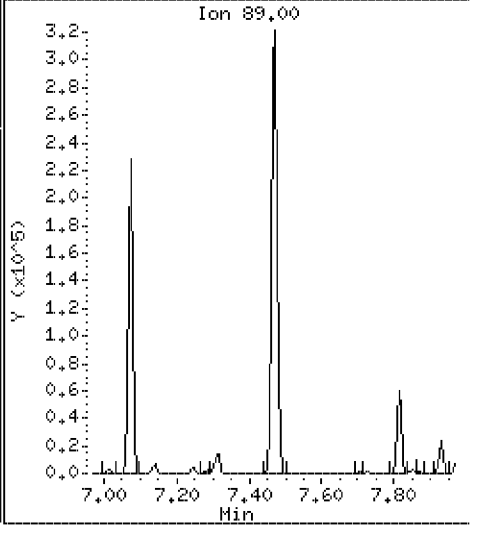


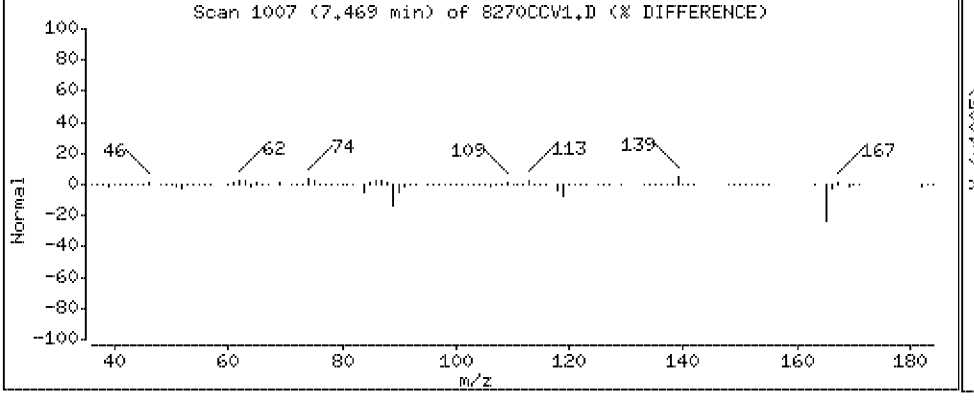












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

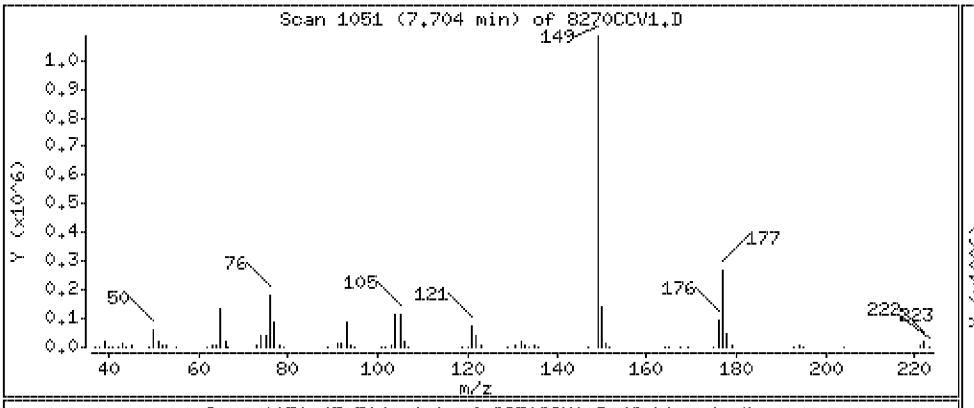
Operator: PEL

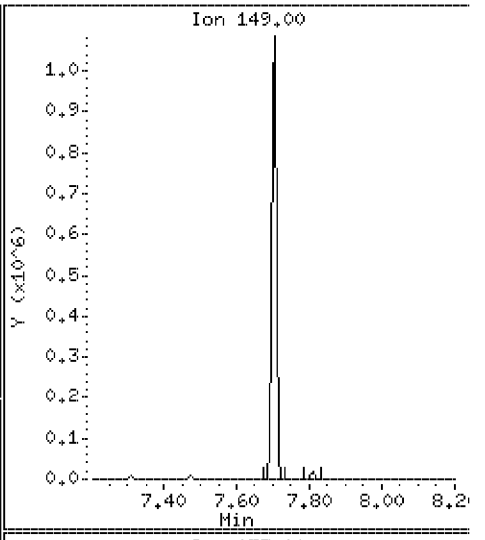
Column phase: HPMS-5

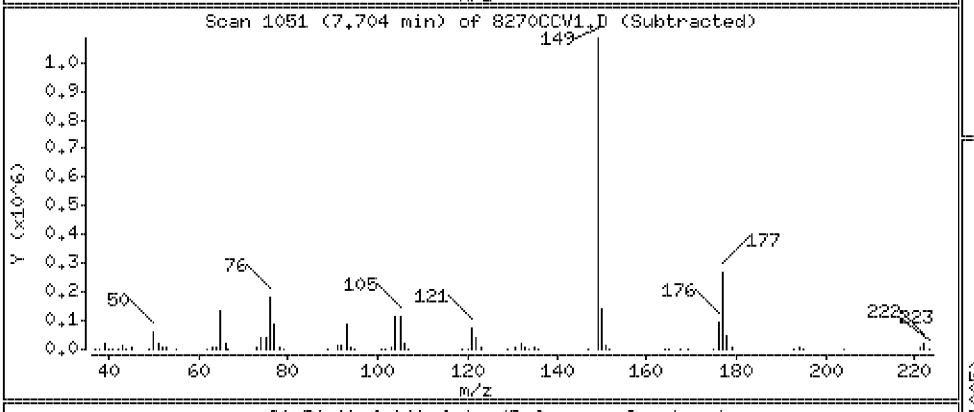
Column diameter: 0.25

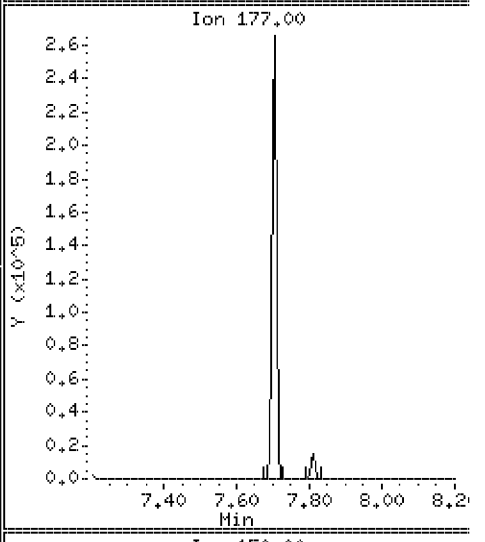
80 Diethylphthalate

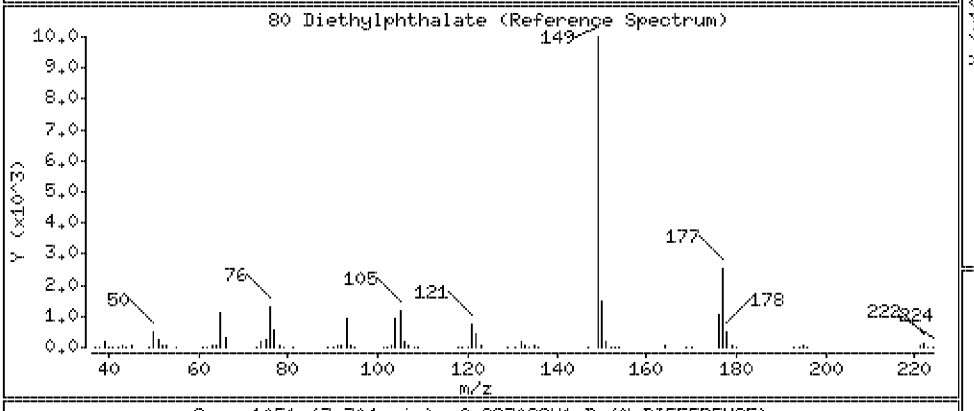
Concentration: 47.7 ug/l

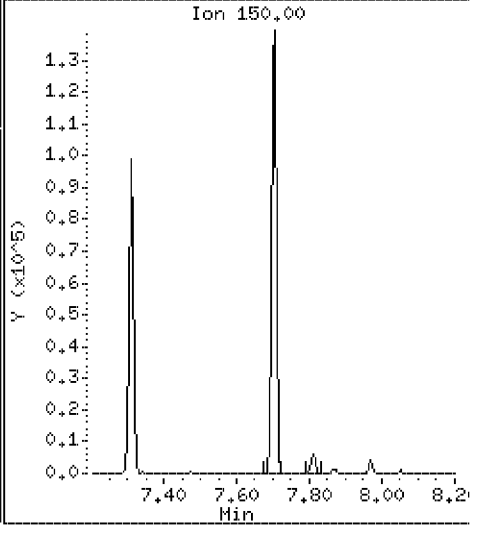


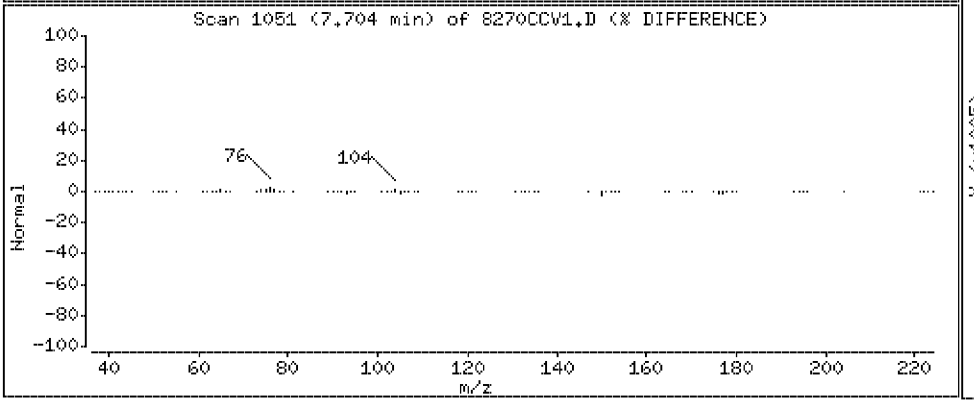












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

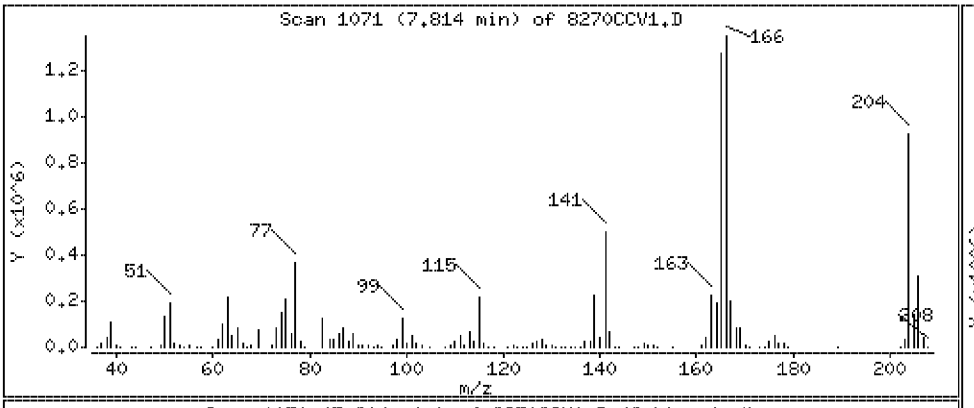
Operator: PEL

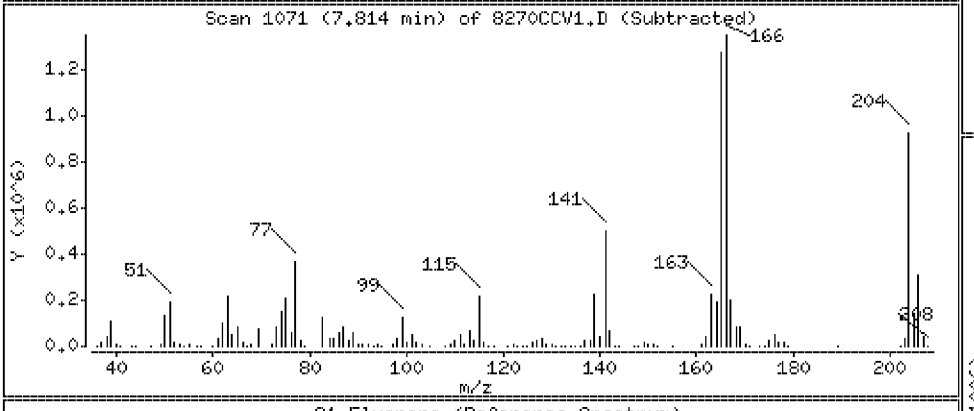
Column phase: HPMS-5

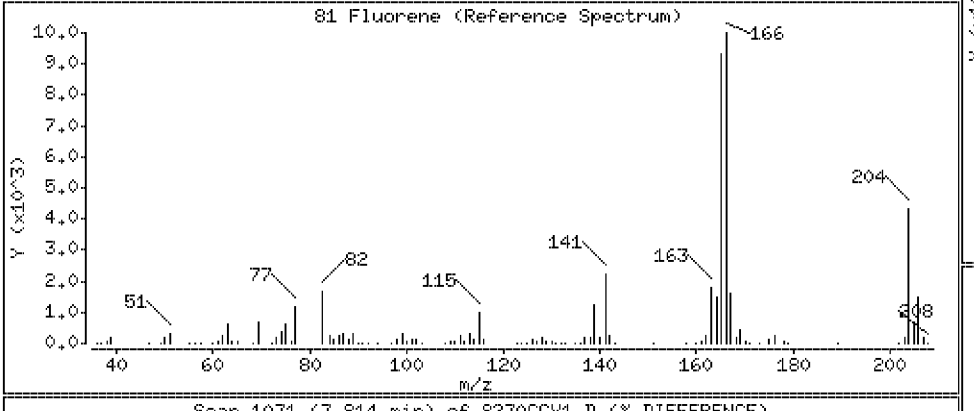
Column diameter: 0.25

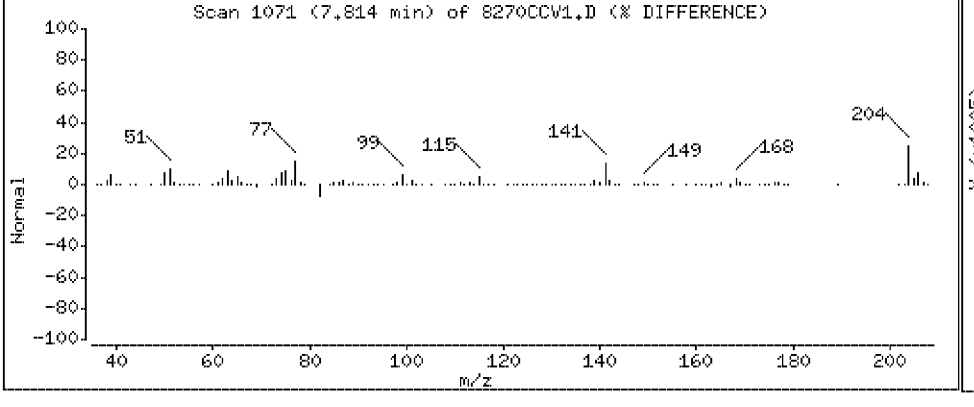
81 Fluorene

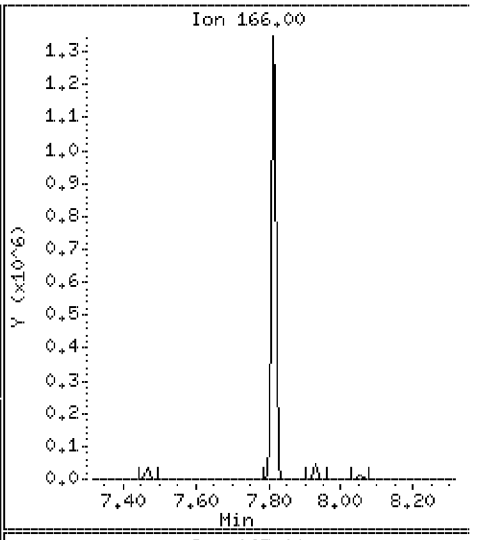
Concentration: 48.8 ug/l

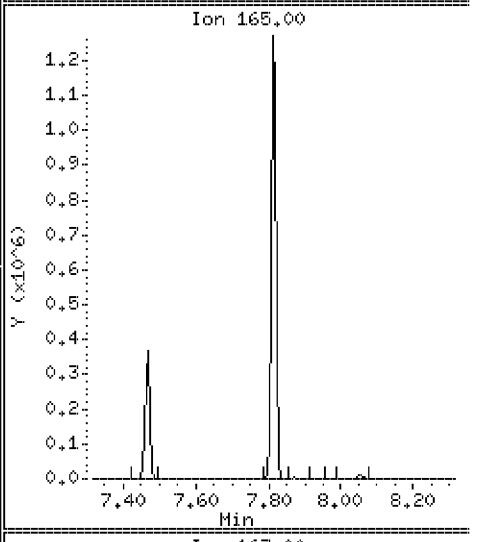


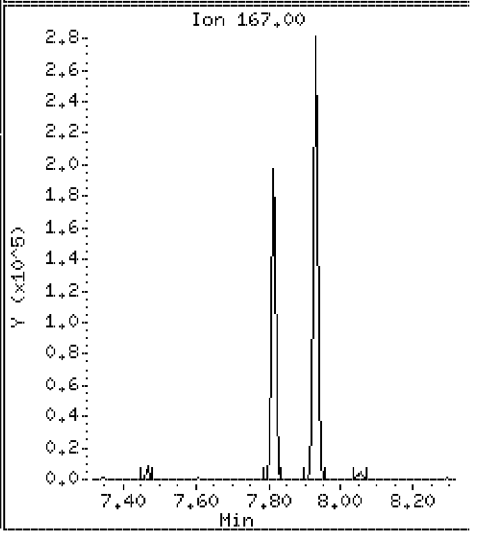












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

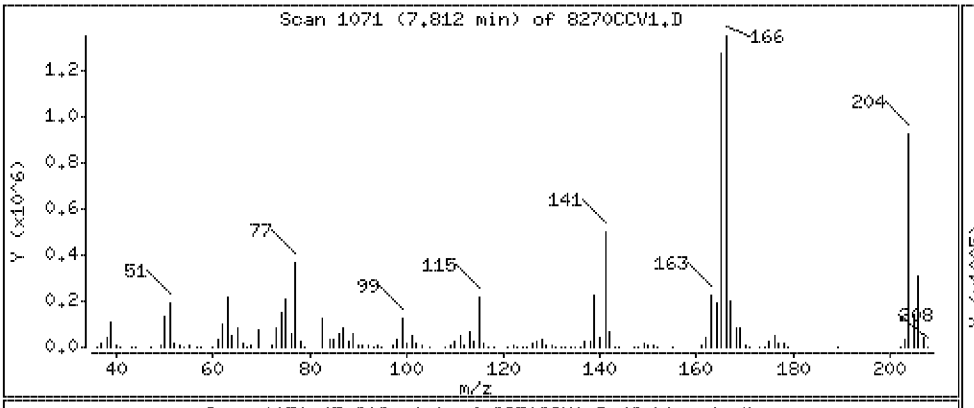
Operator: PEL

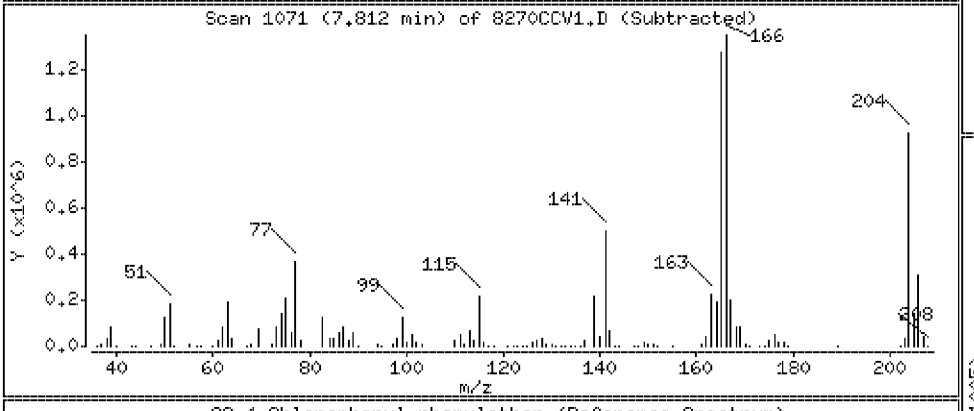
Column phase: HPMS-5

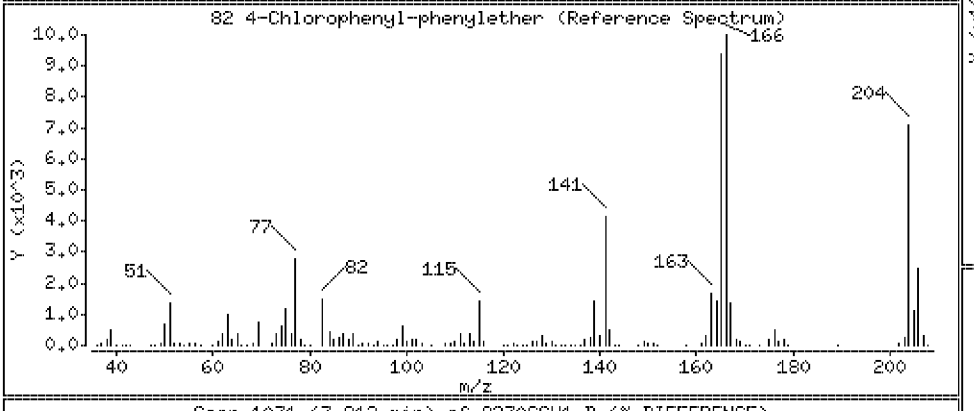
Column diameter: 0.25

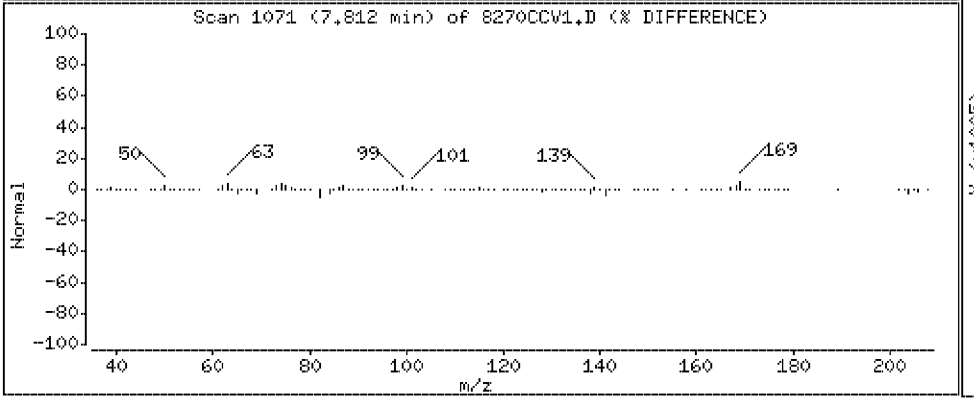
82 4-Chlorophenyl-phenylether

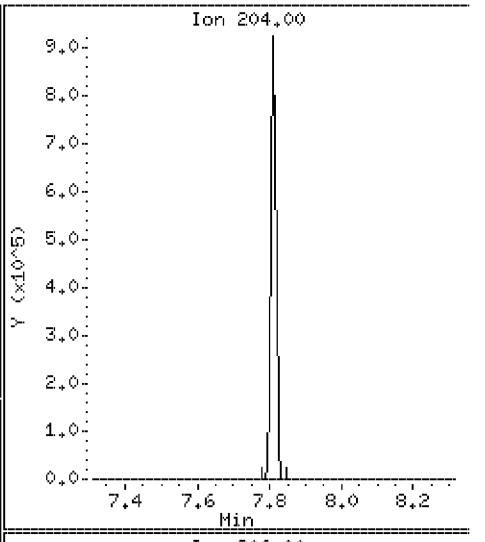
Concentration: 49.1 ug/l

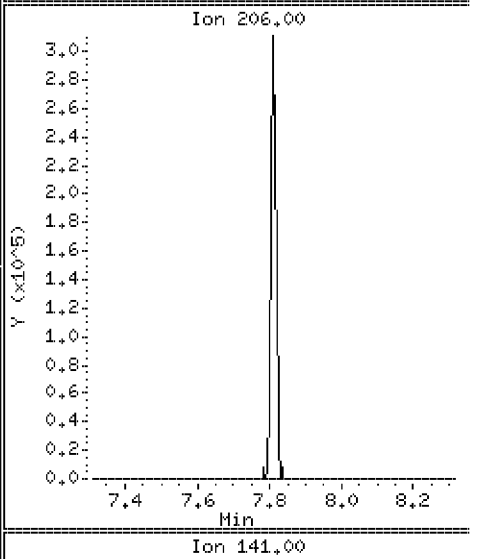


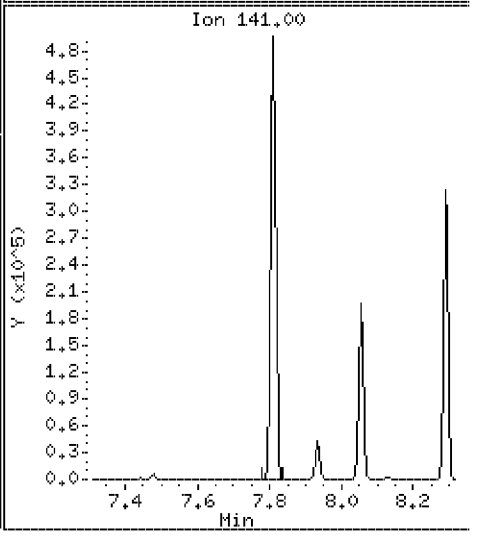












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

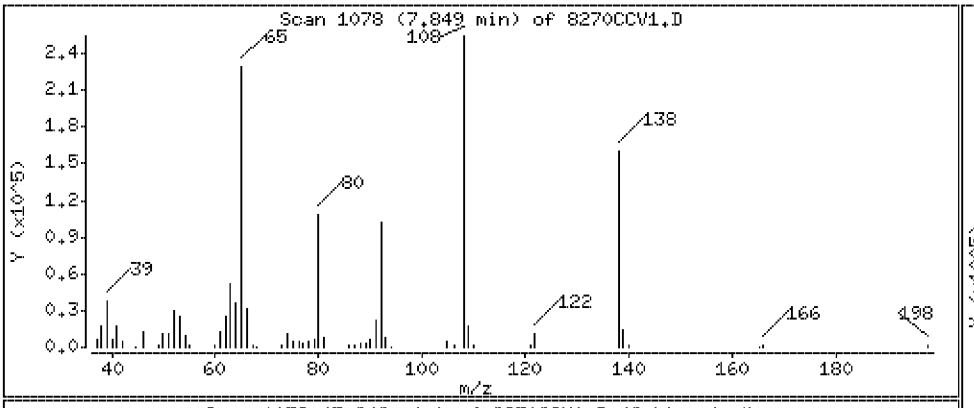
Operator: PEL

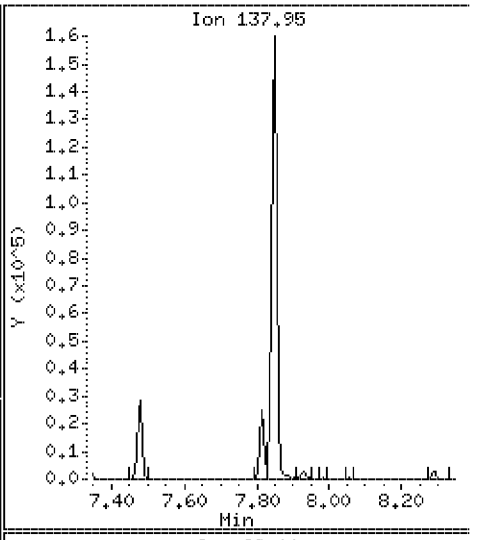
Column phase: HPMS-5

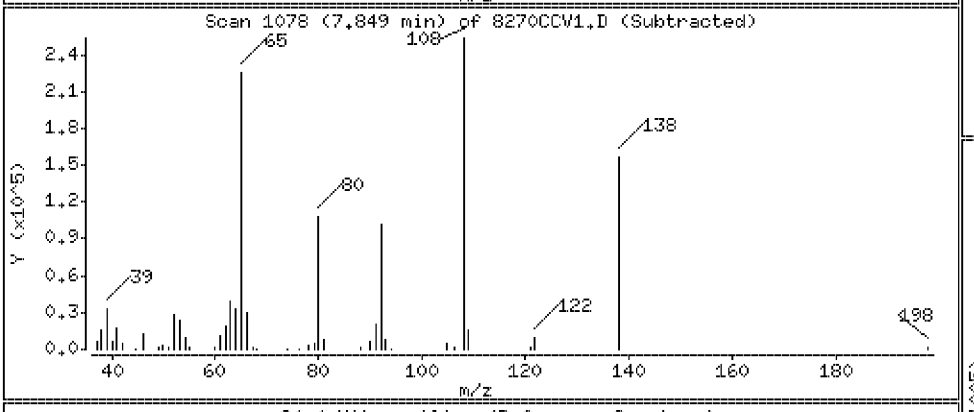
Column diameter: 0.25

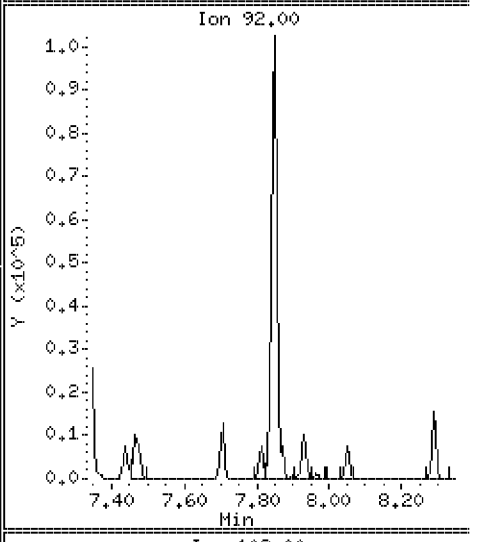
84 4-Nitroaniline

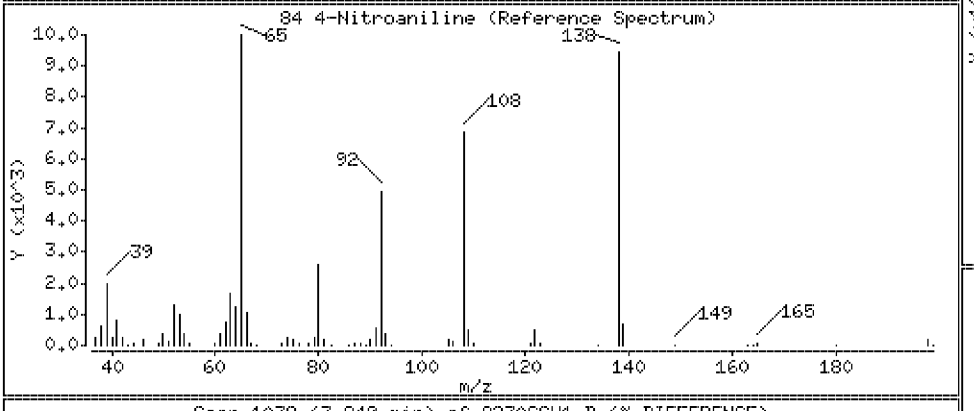
Concentration: 42.6 ug/l

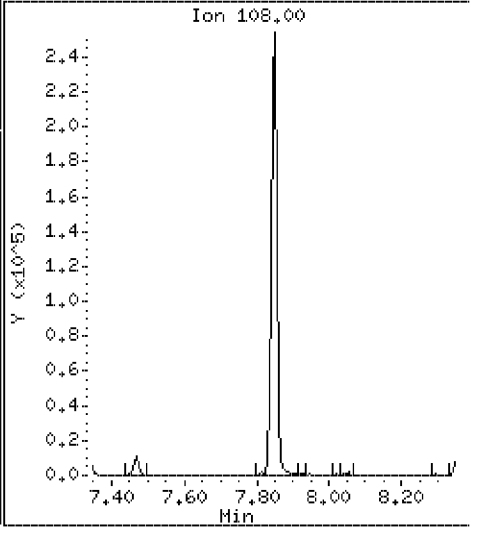


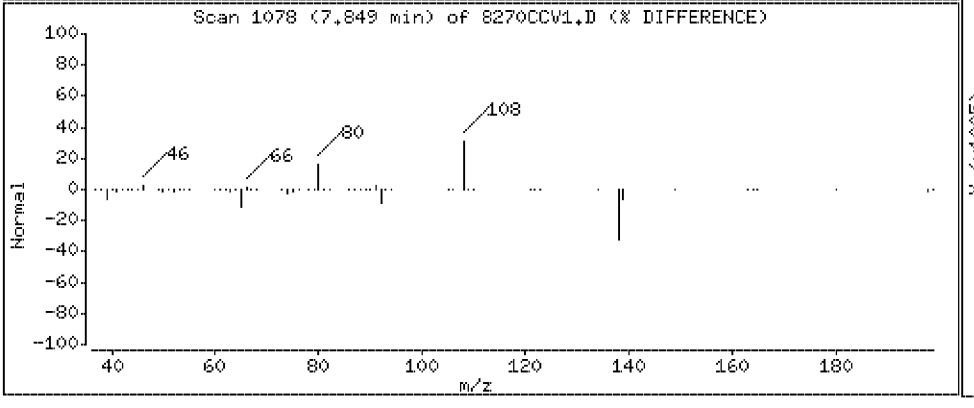












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Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

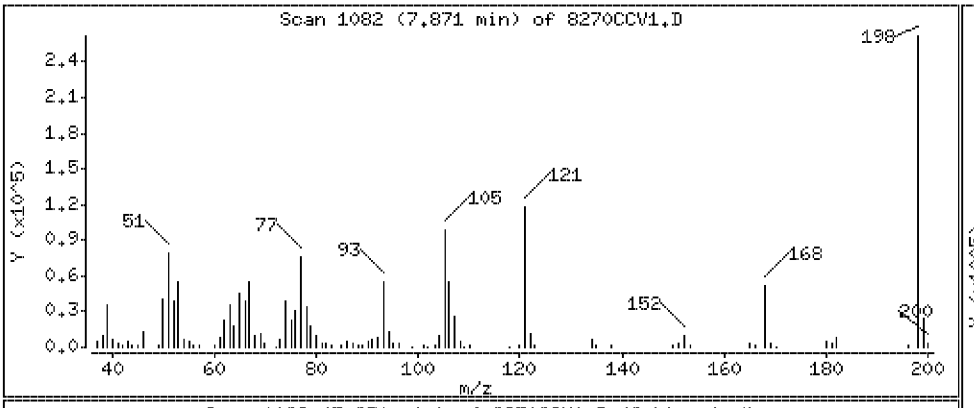
Operator: PEL

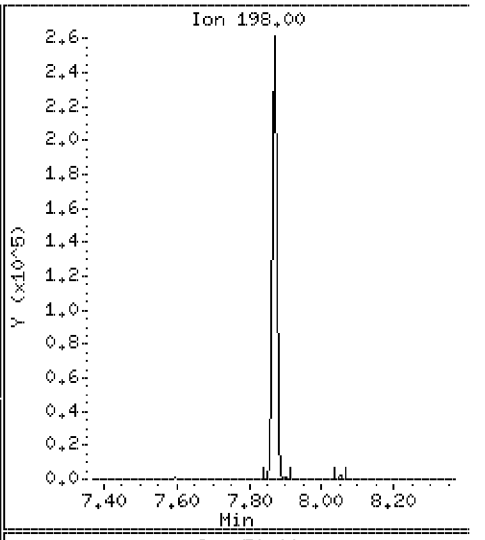
Column phase: HPMS-5

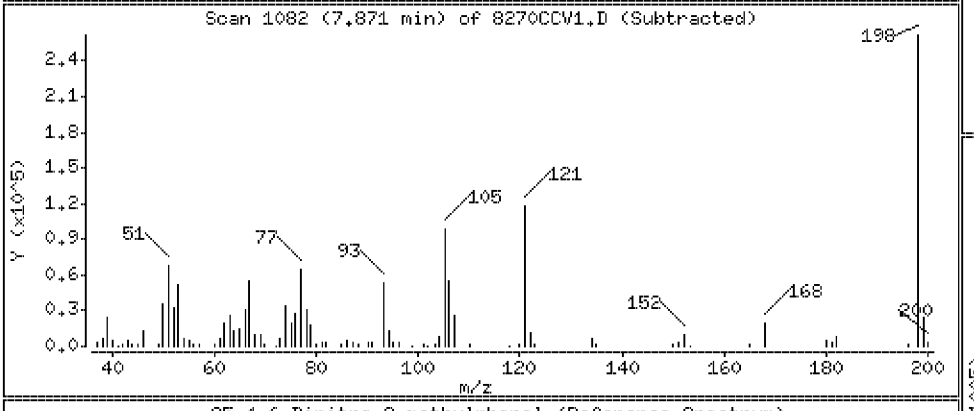
Column diameter: 0.25

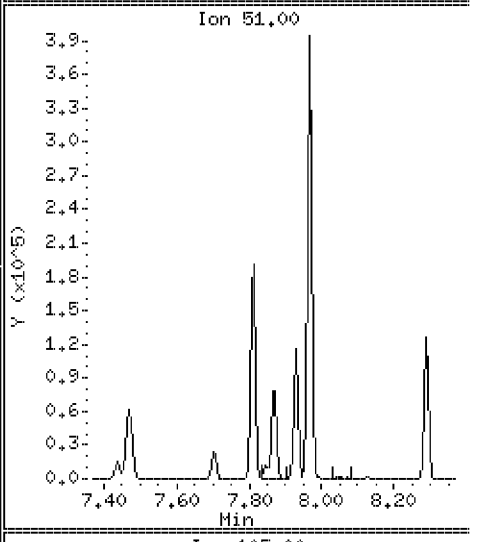
85 4,6-Dinitro-2-methylphenol

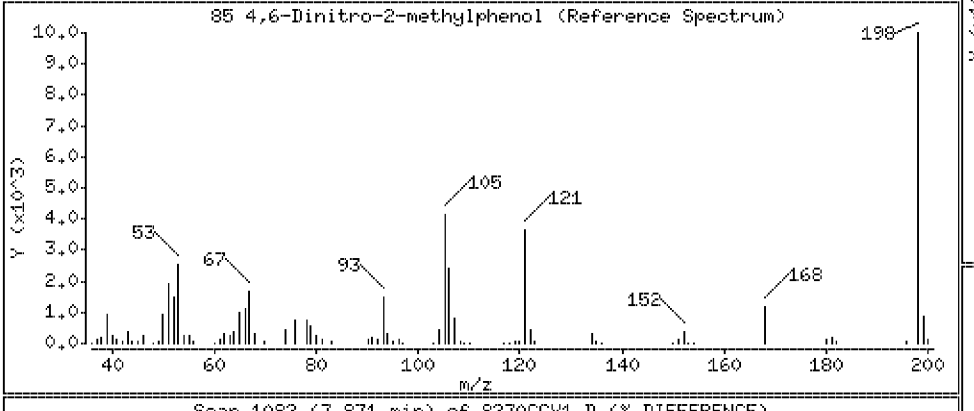
Concentration: 42.7 ug/l

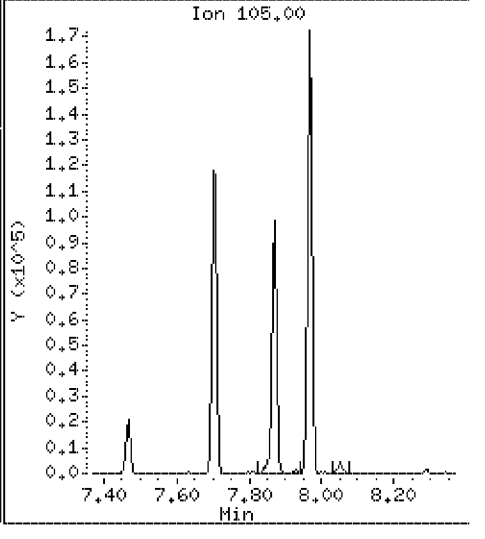


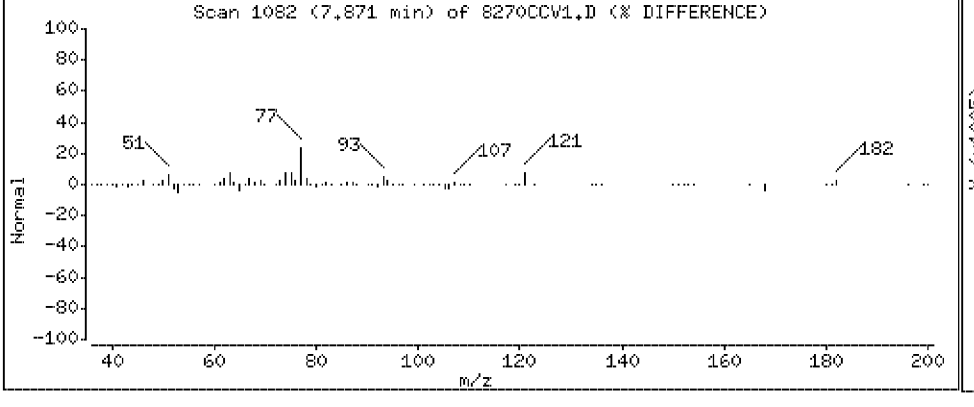












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

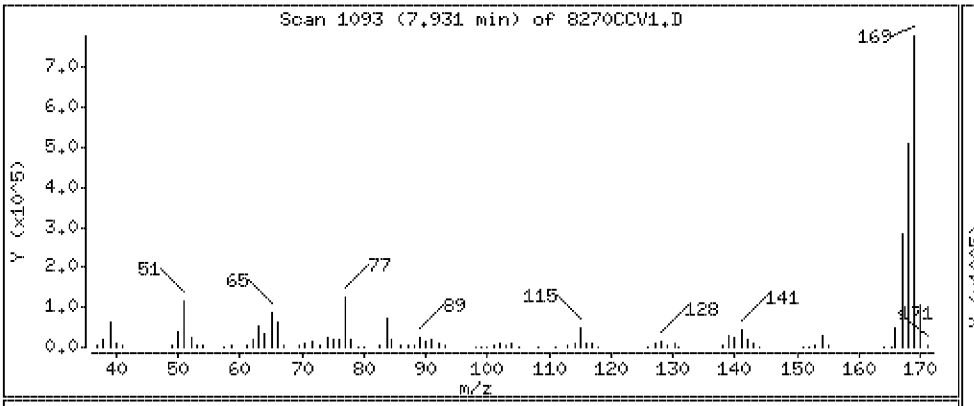
Operator: PEL

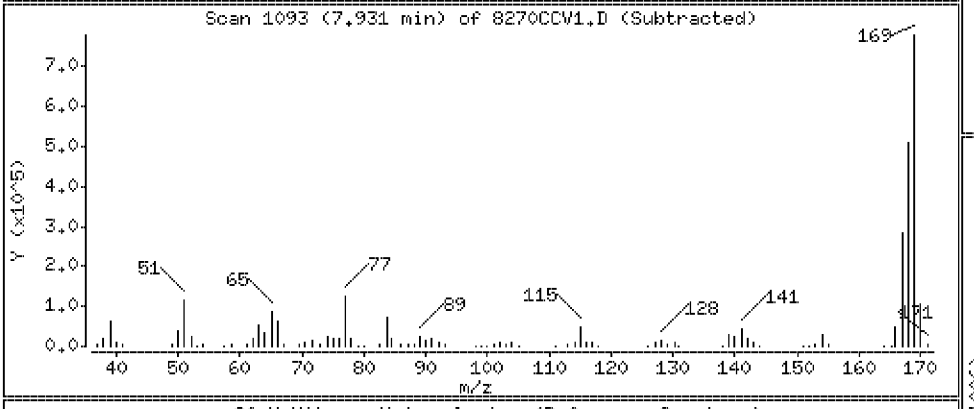
Column phase: HPMS-5

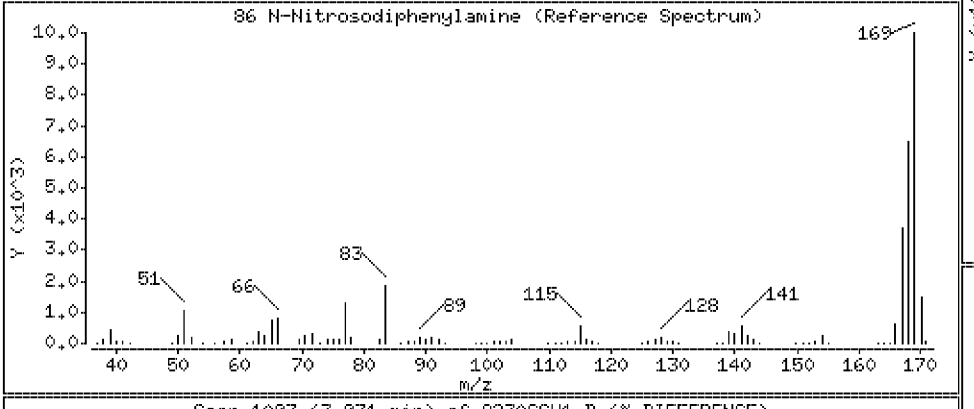
Column diameter: 0.25

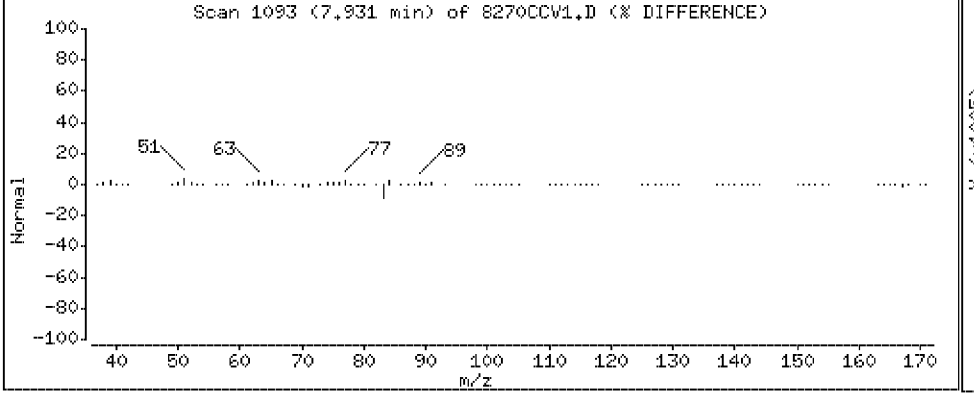
86 N-Nitrosodiphenylamine

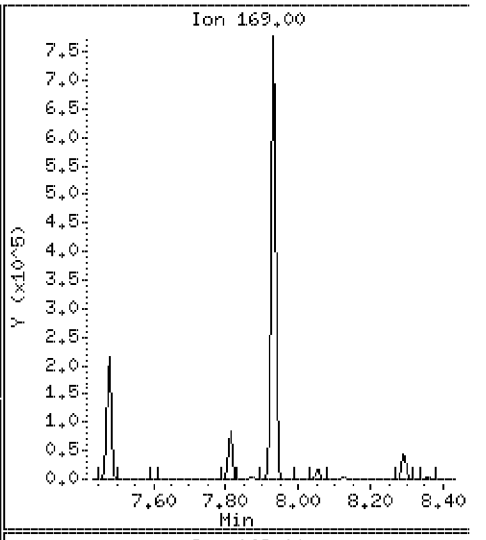
Concentration: 43.9 ug/l

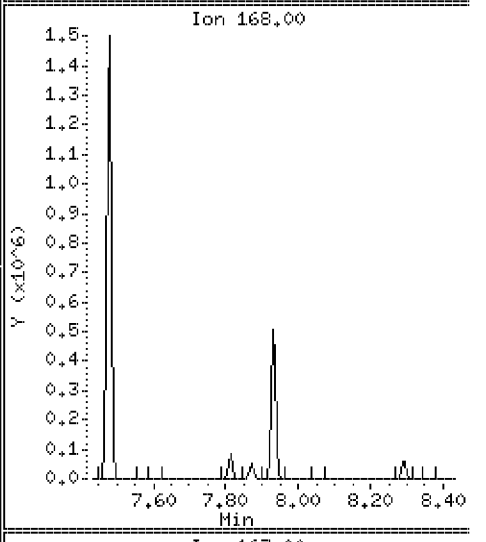


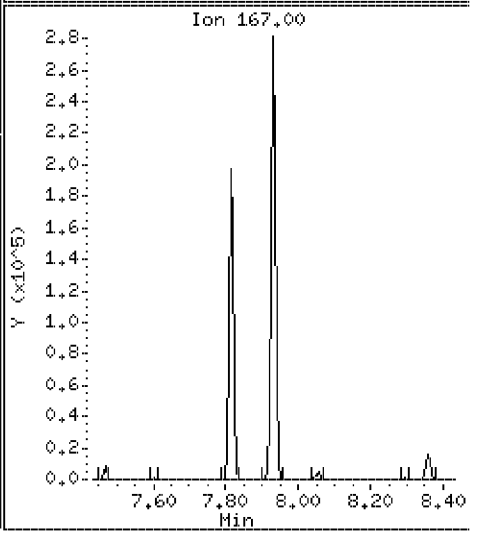












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

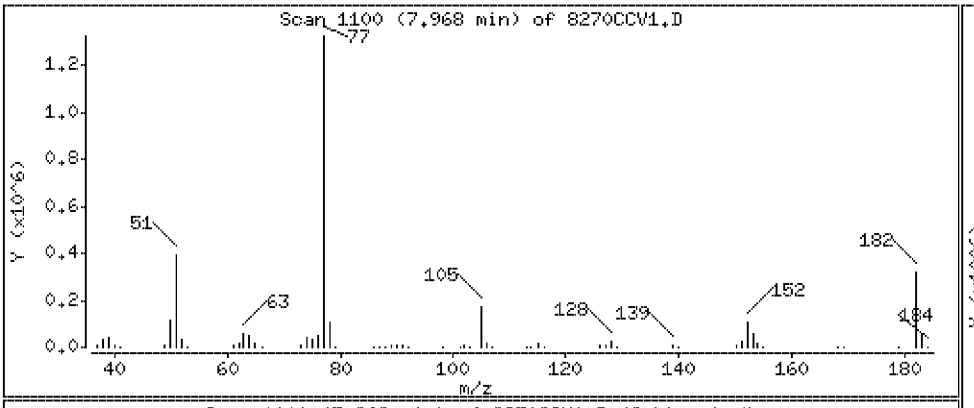
Operator: PEL

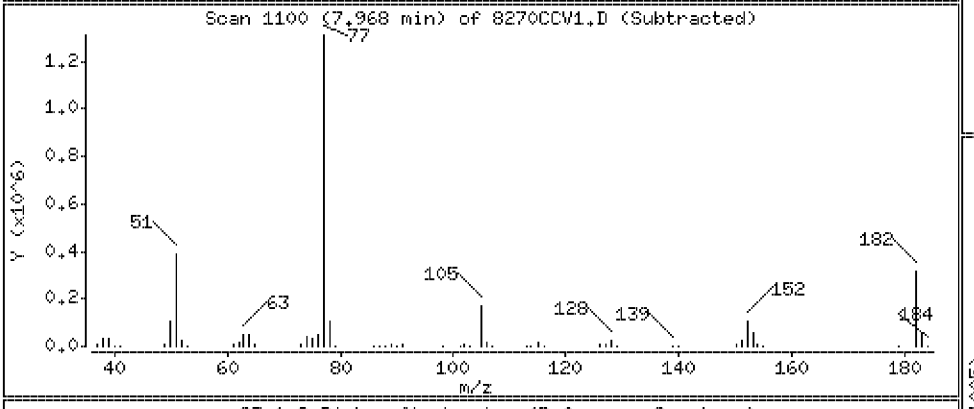
Column phase: HPMS-5

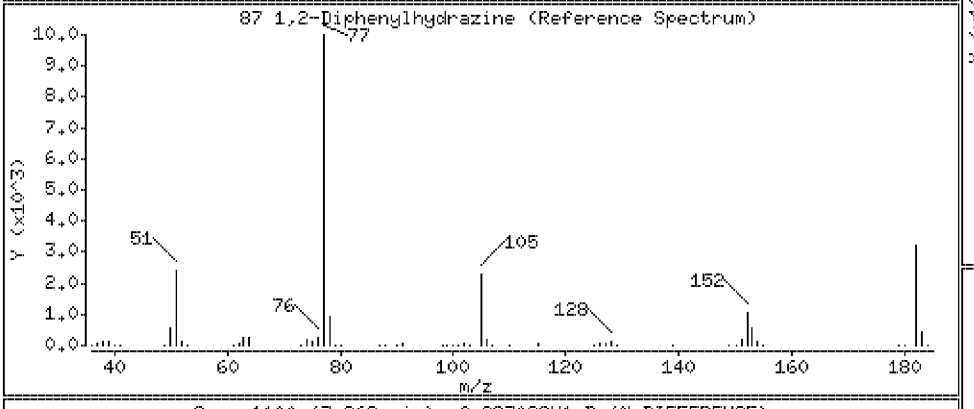
Column diameter: 0.25

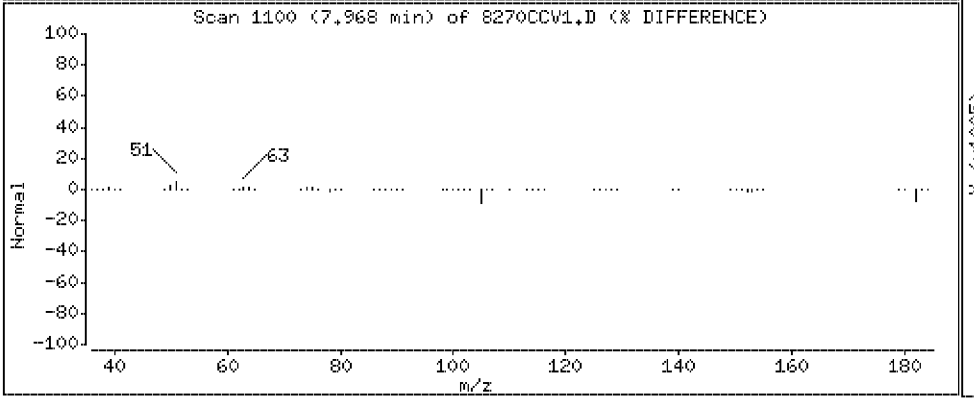
87 1,2-Diphenylhydrazine

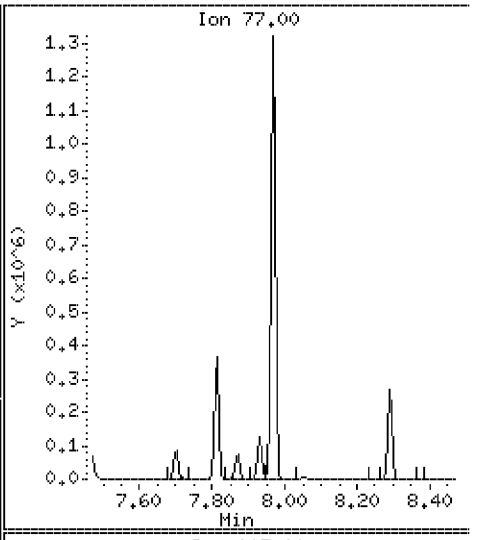
Concentration: 48.2 ug/l

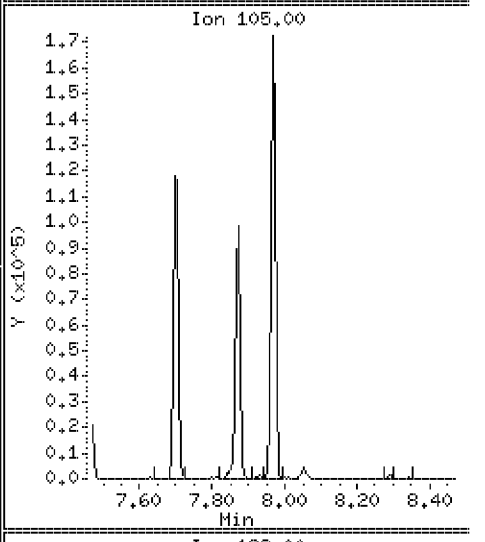


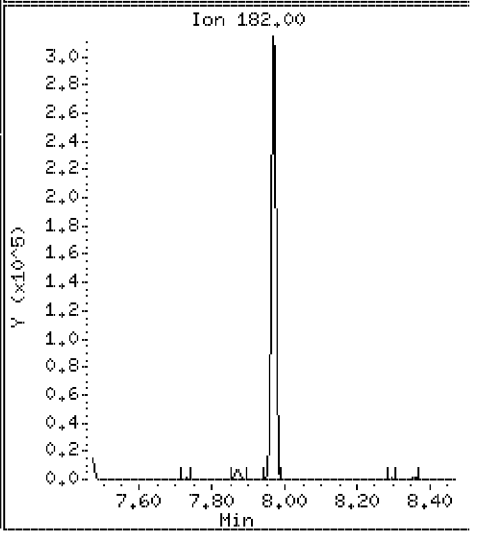












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

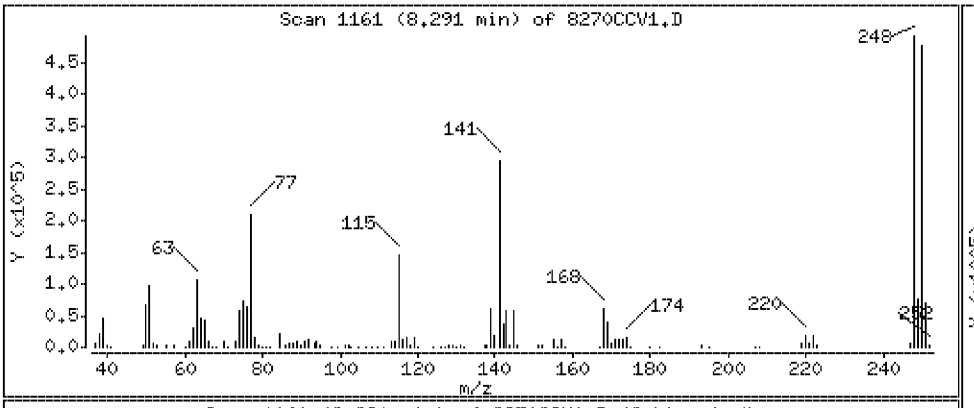
Operator: PEL

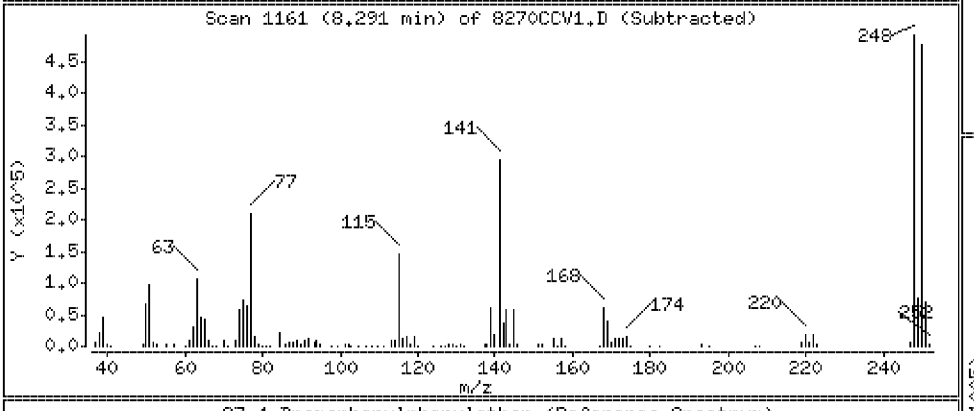
Column phase: HPMS-5

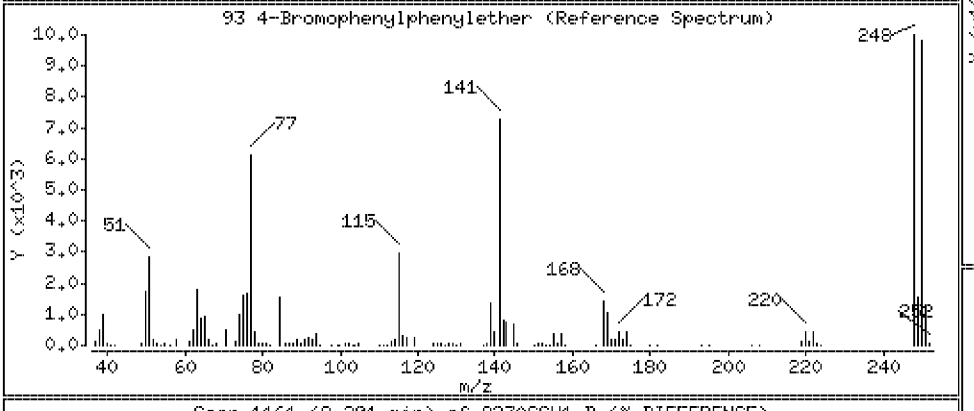
Column diameter: 0.25

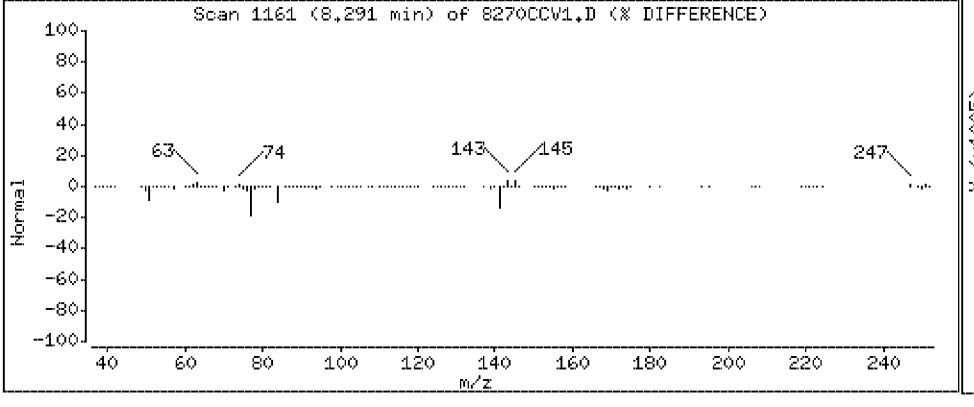
93 4-Bromophenylphenylether

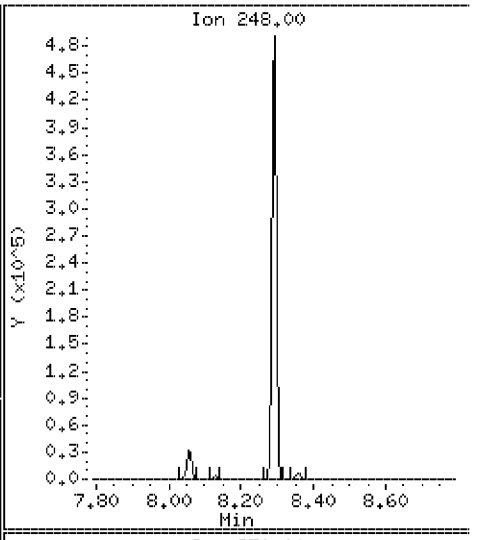
Concentration: 46.5 ug/l

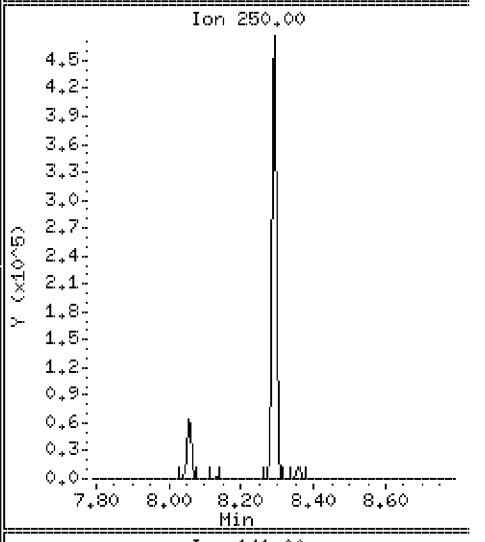


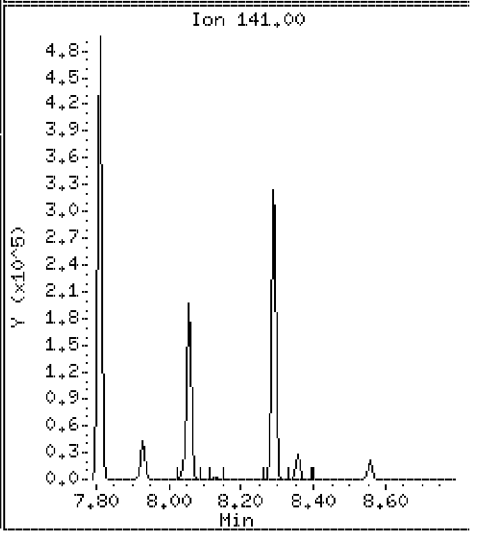












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

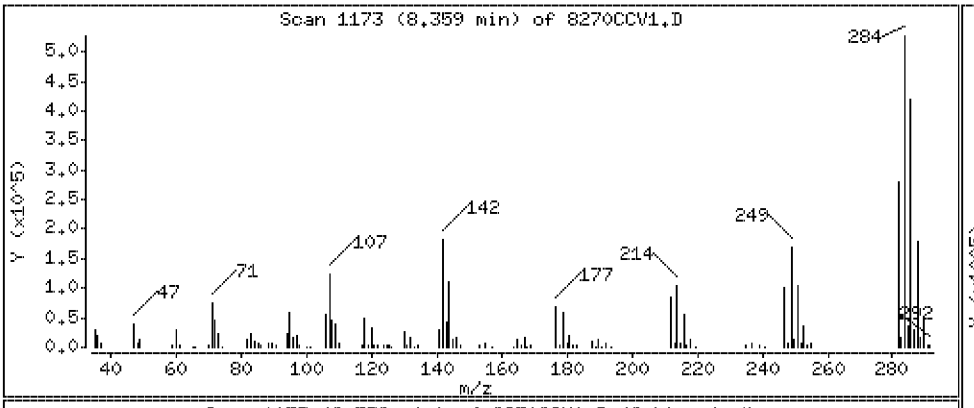
Operator: PEL

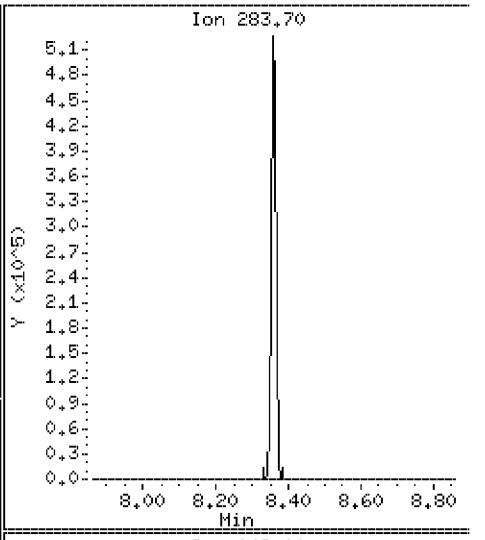
Column phase: HPMS-5

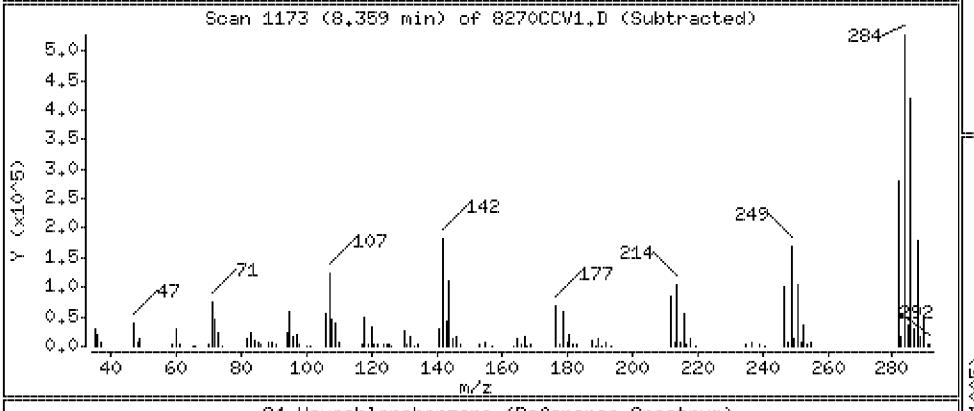
Column diameter: 0.25

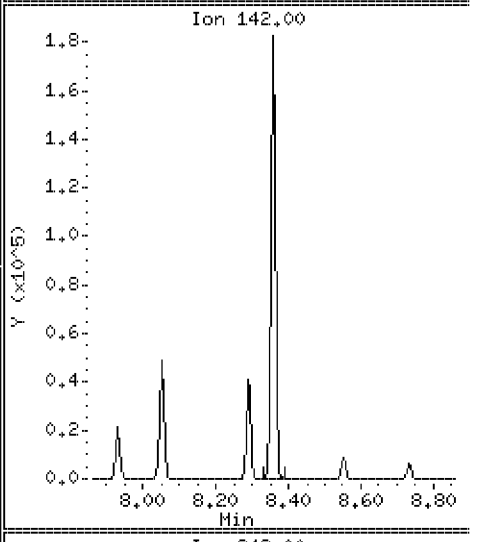
94 Hexachlorobenzene

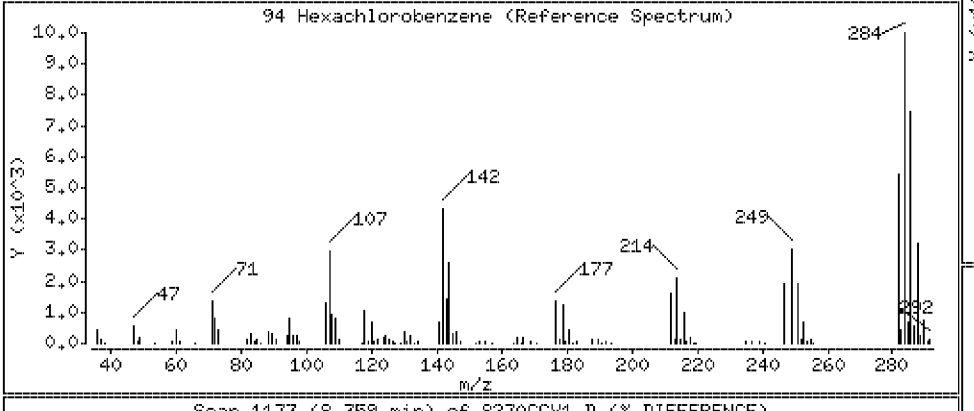
Concentration: 46.1 ug/l

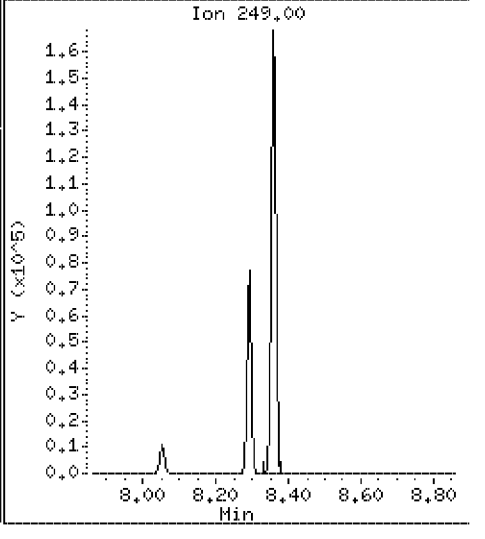


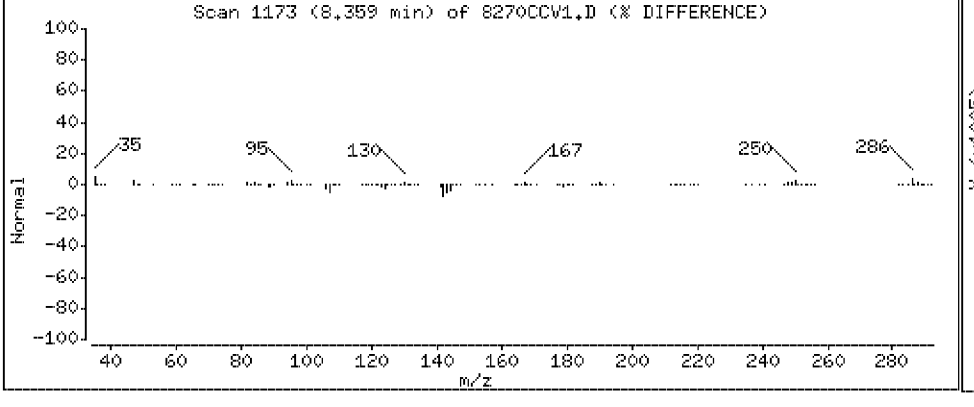












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

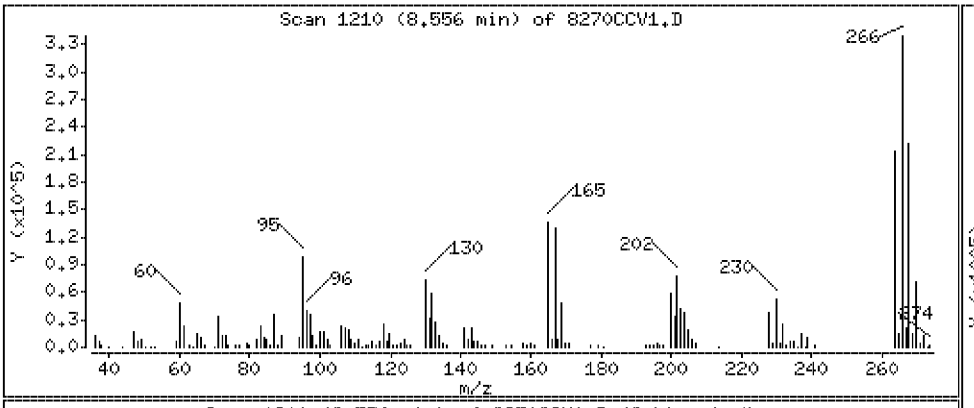
Operator: PEL

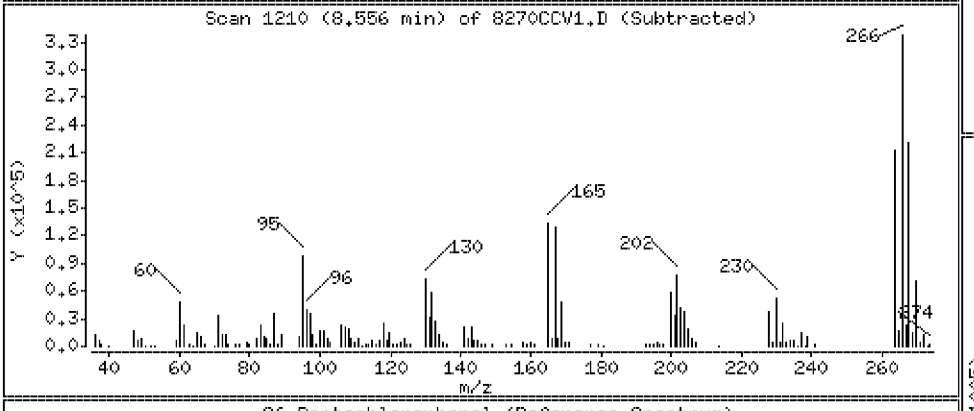
Column phase: HPMS-5

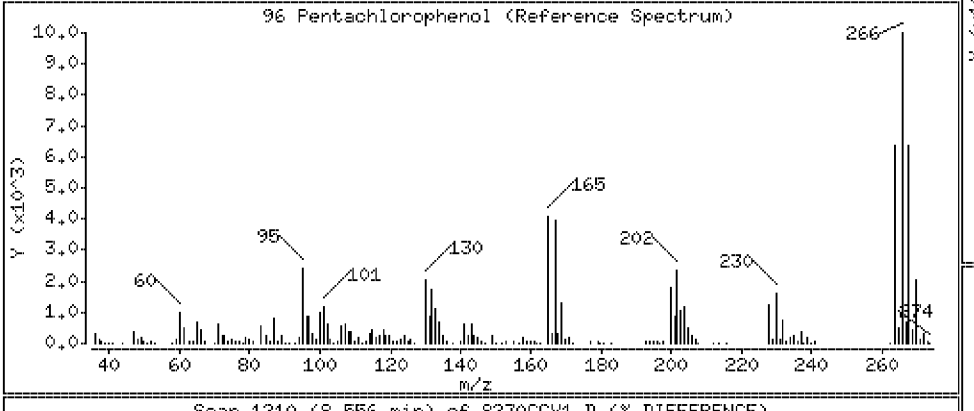
Column diameter: 0.25

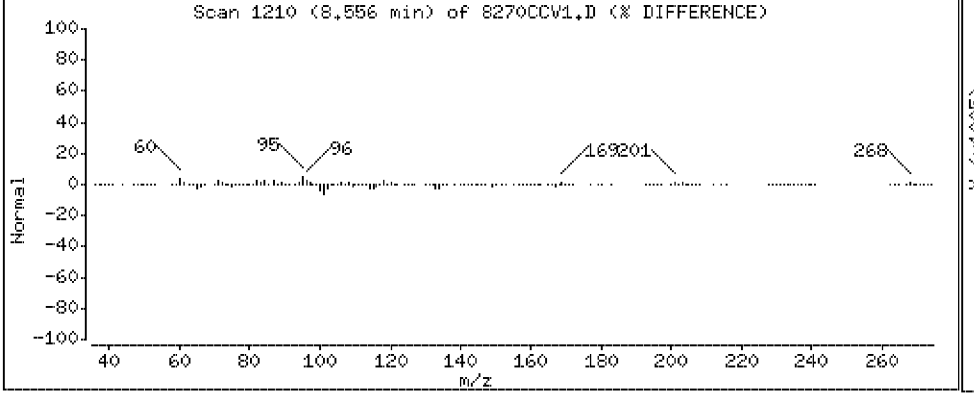
96 Pentachlorophenol

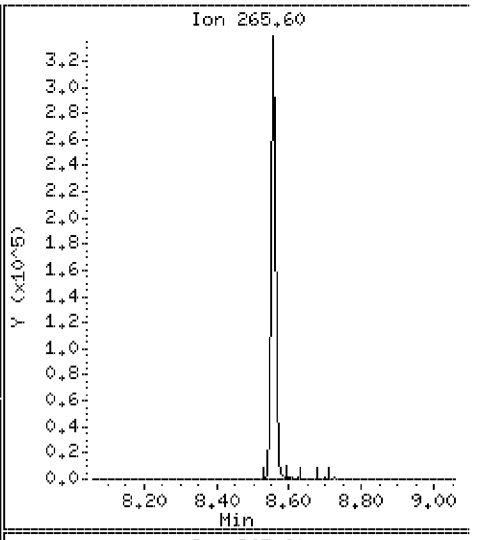
Concentration: 47.6 ug/l

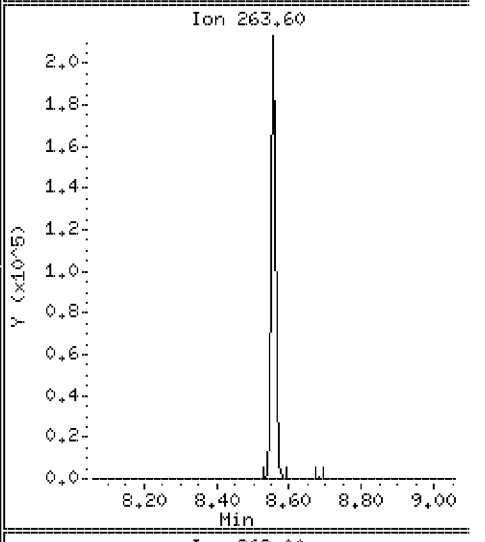


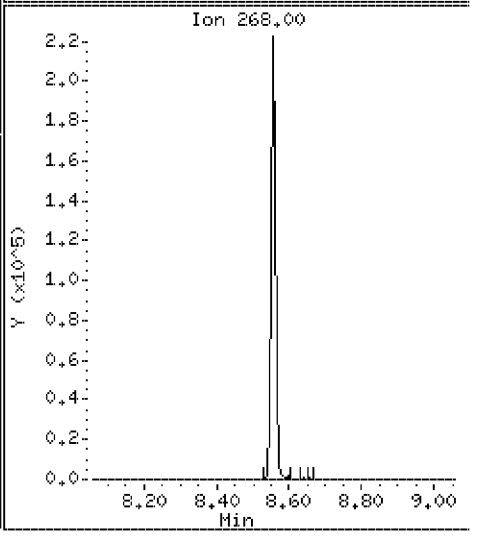












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

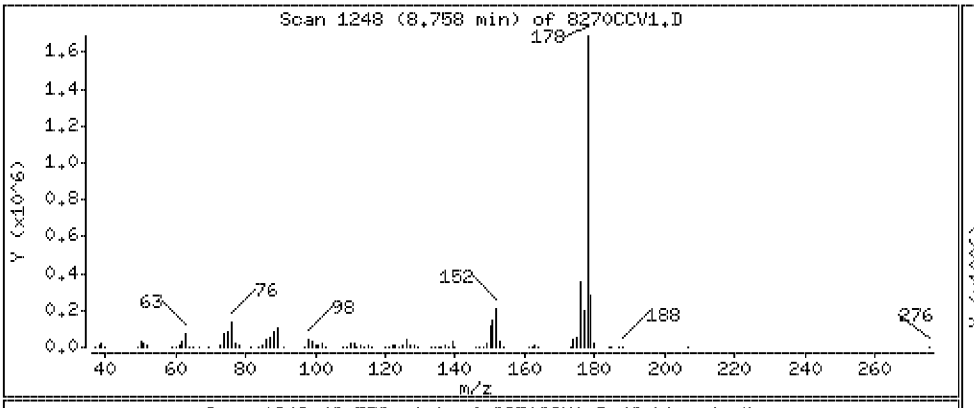
Operator: PEL

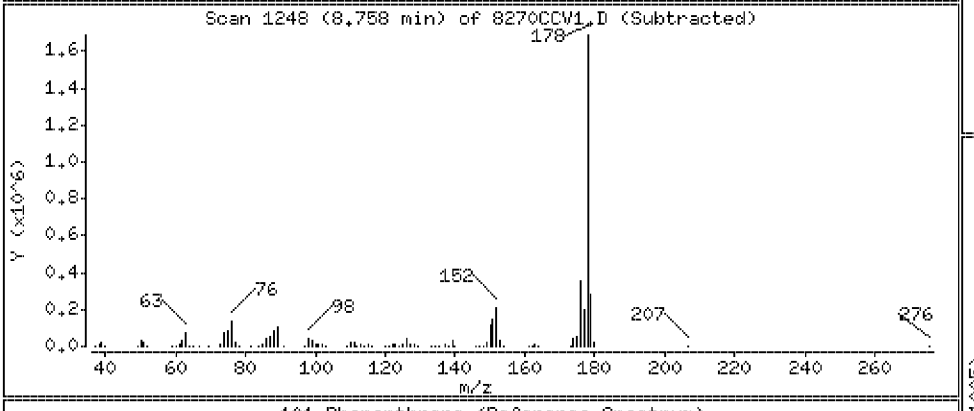
Column phase: HPMS-5

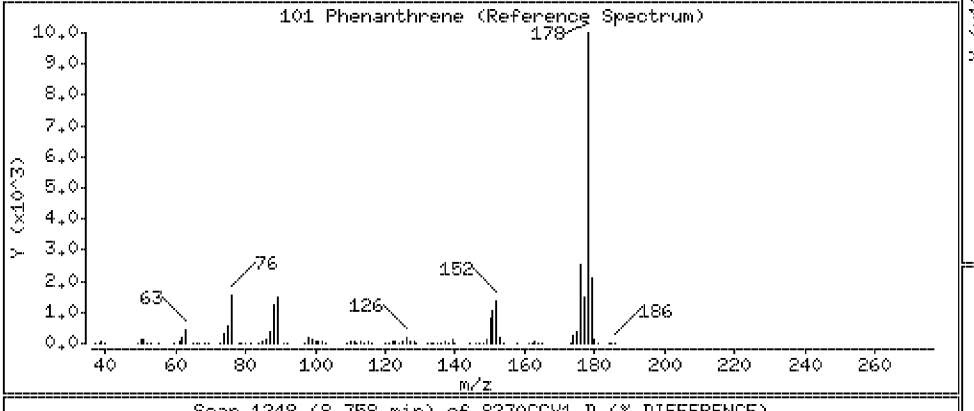
Column diameter: 0.25

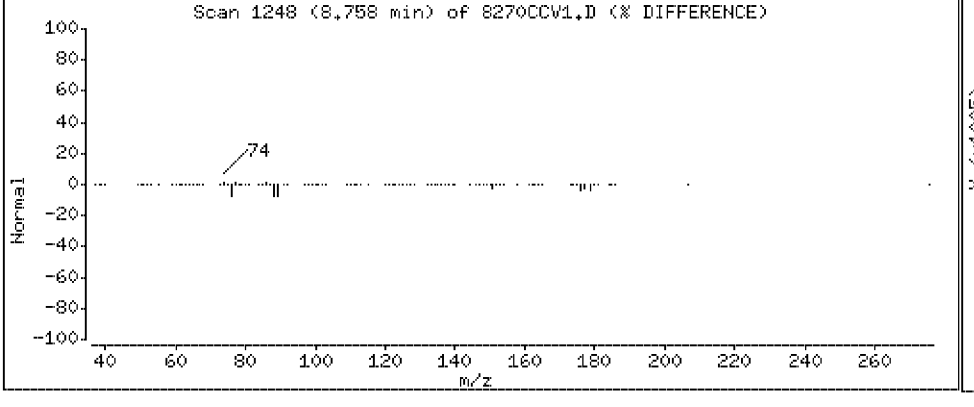
101 Phenanthrene

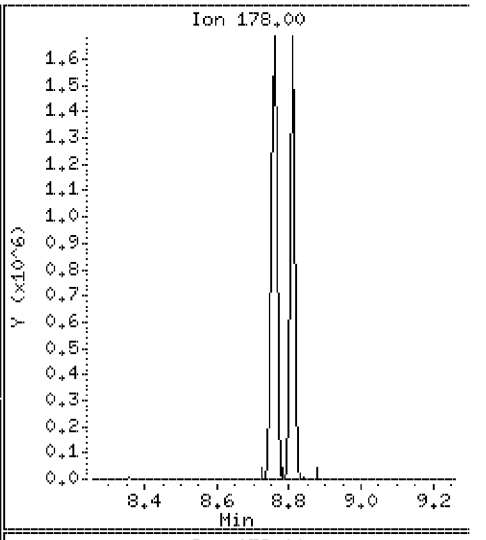
Concentration: 46.7 ug/l

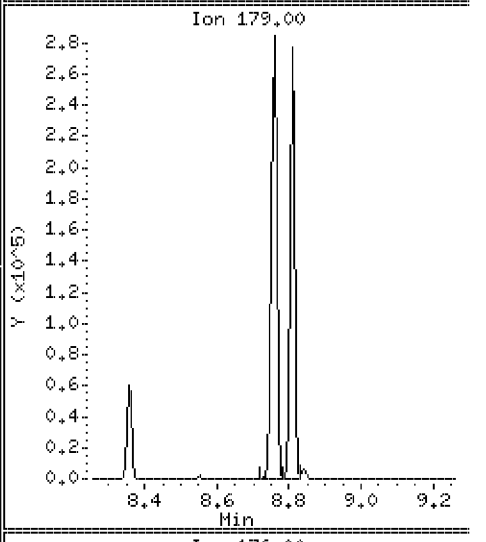


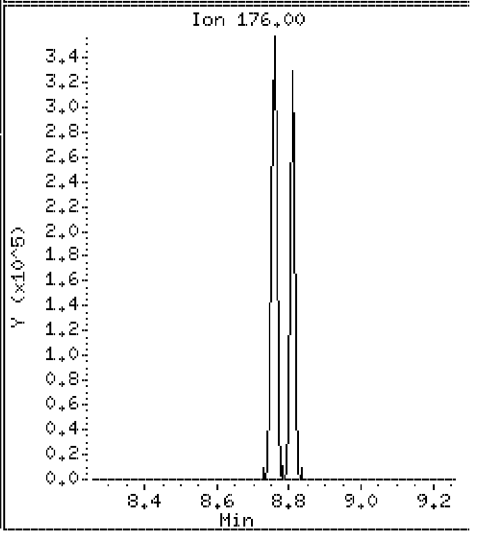












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

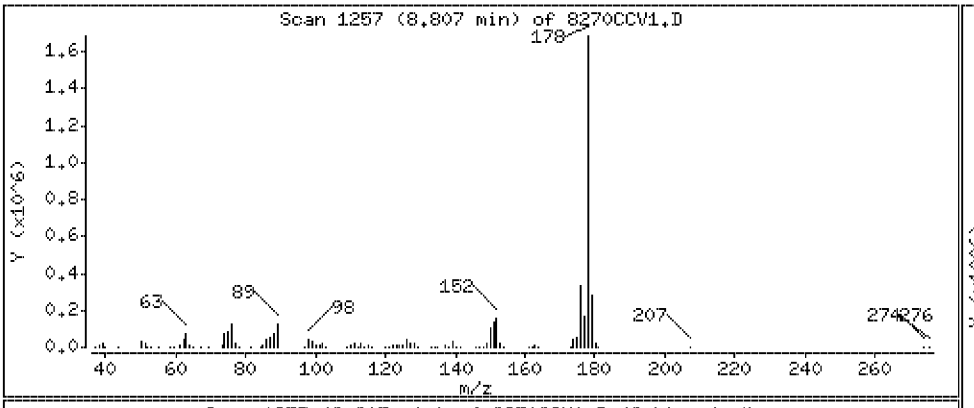
Operator: PEL

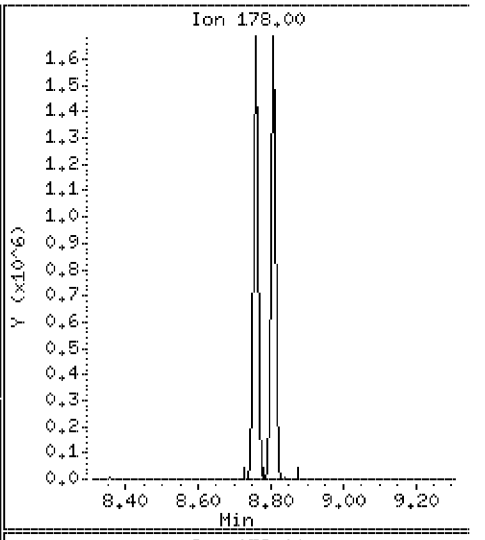
Column phase: HPMS-5

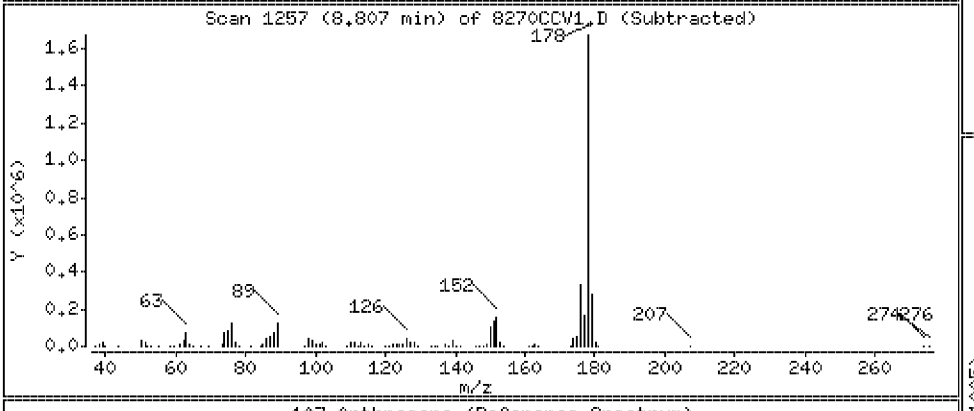
Column diameter: 0.25

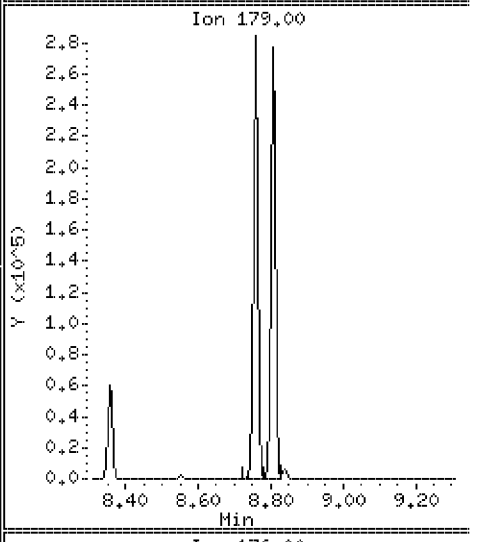
103 Anthracene

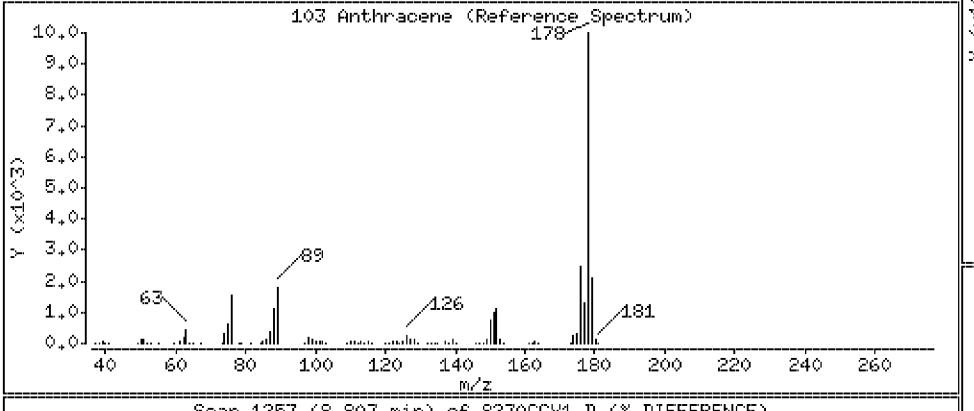
Concentration: 47.3 ug/l

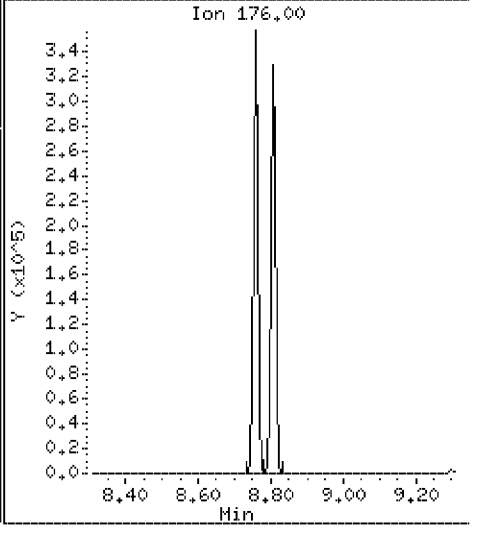


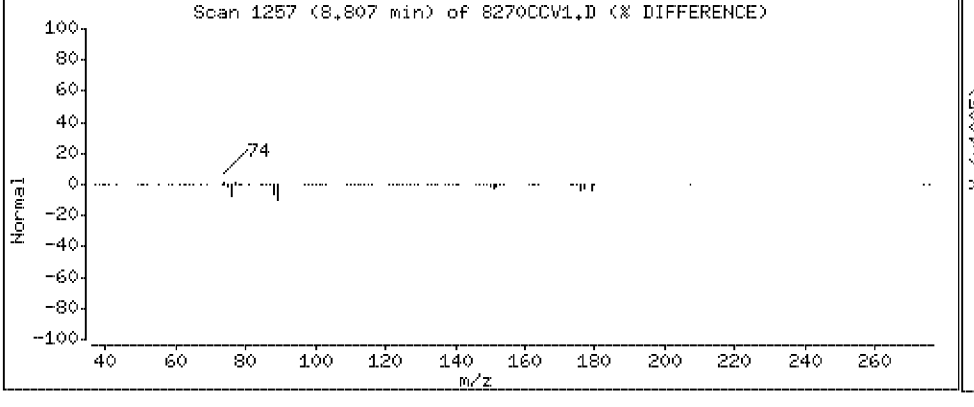












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

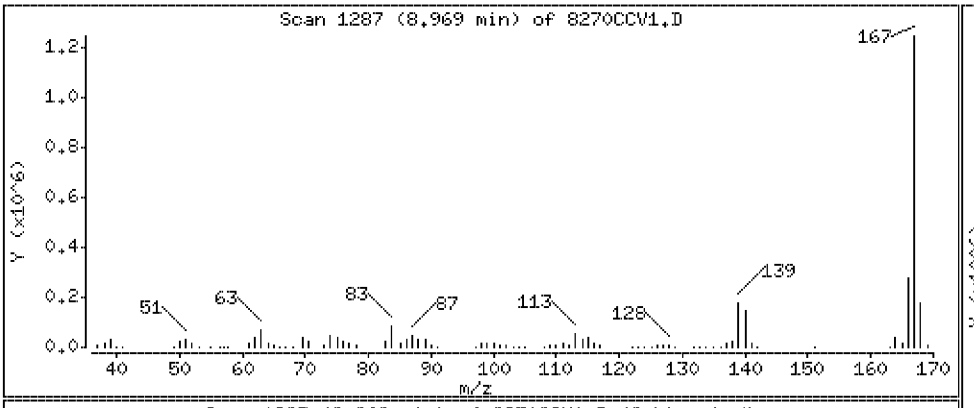
Operator: PEL

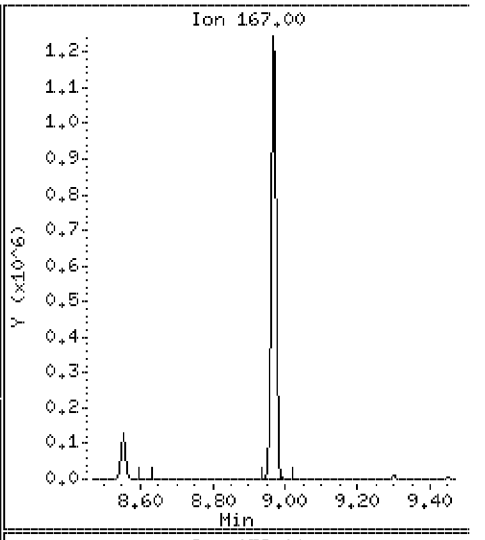
Column phase: HPMS-5

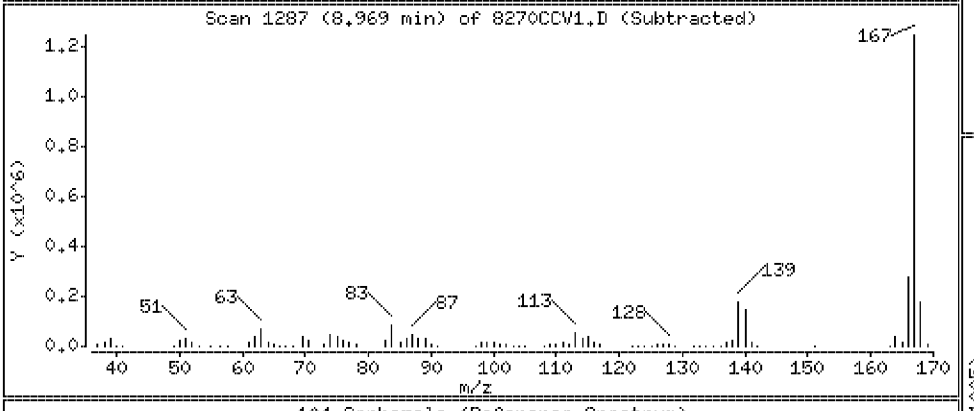
Column diameter: 0.25

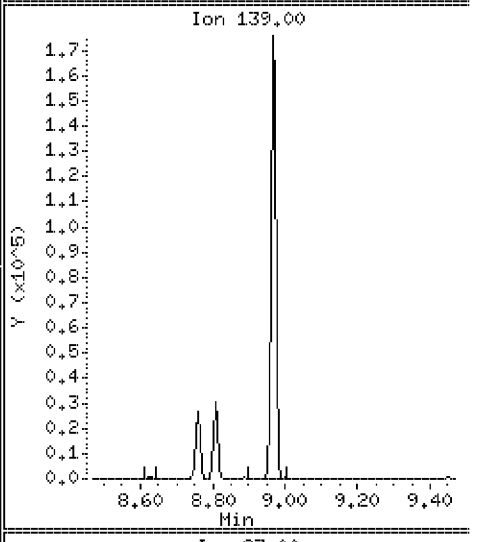
104 Carbazole

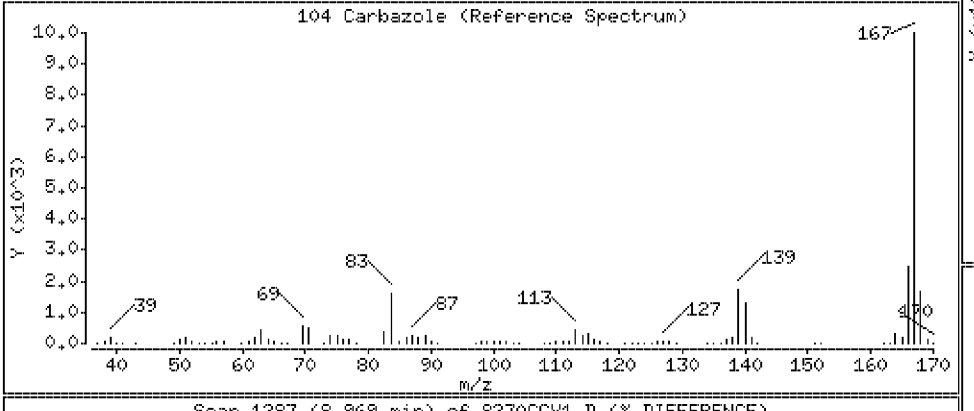
Concentration: 44.6 ug/l

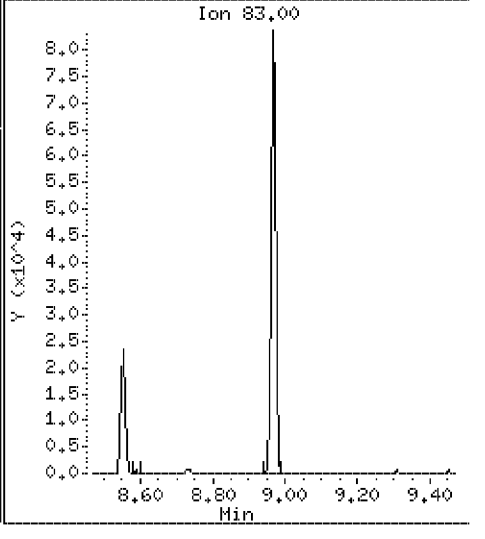


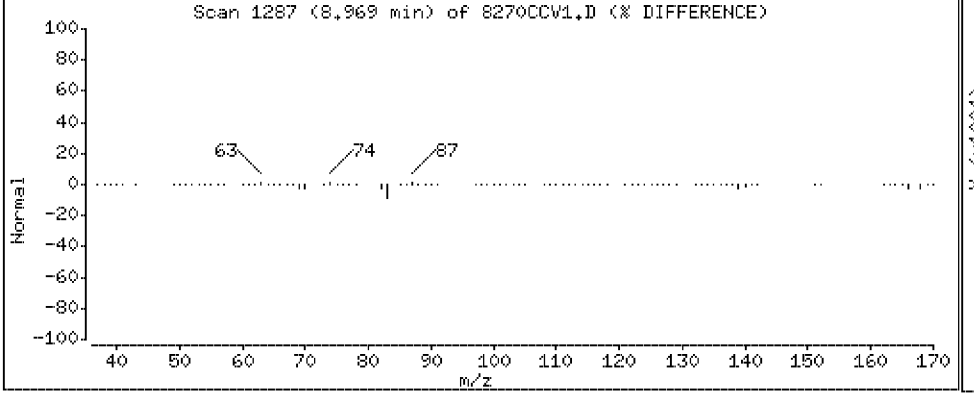












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

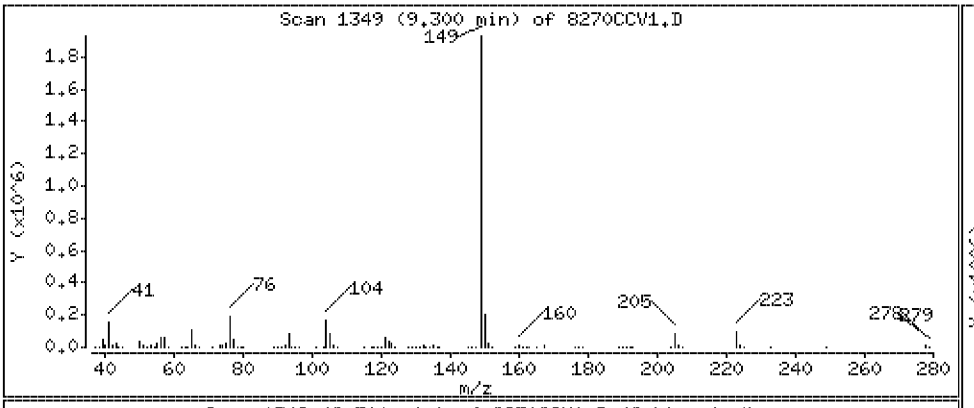
Operator: PEL

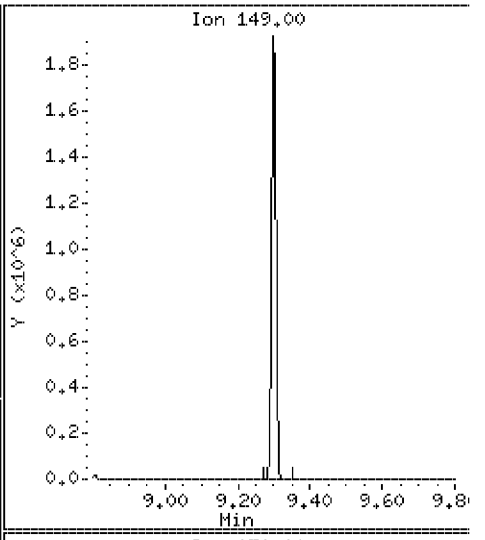
Column phase: HPMS-5

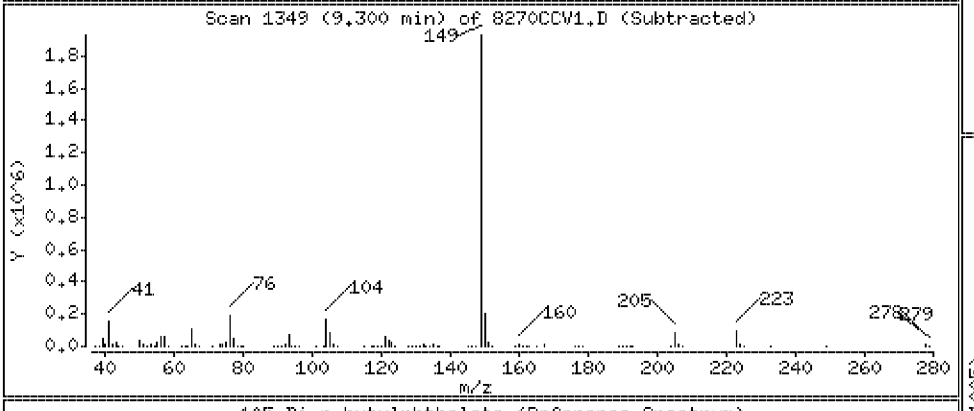
Column diameter: 0.25

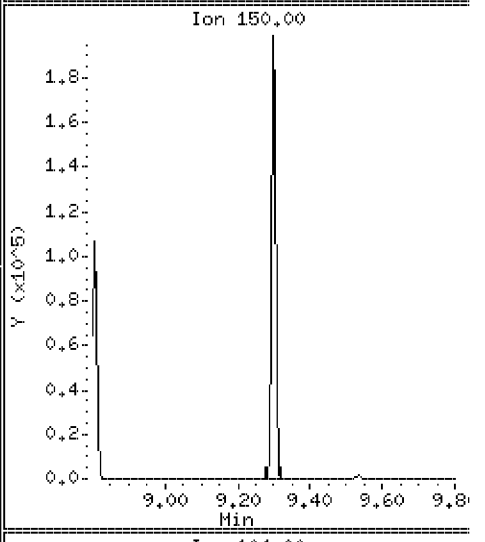
105 Di-n-butylphthalate

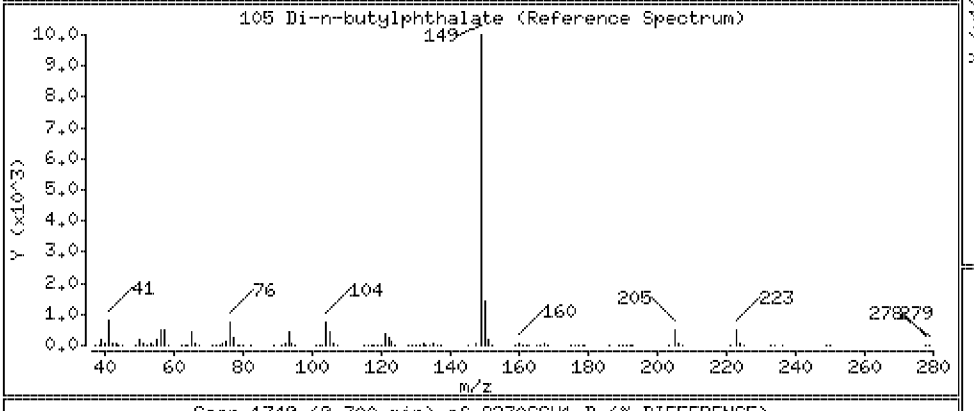
Concentration: 48.7 ug/l

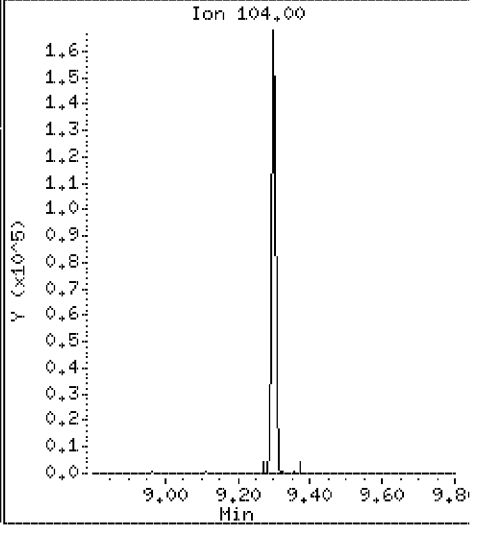


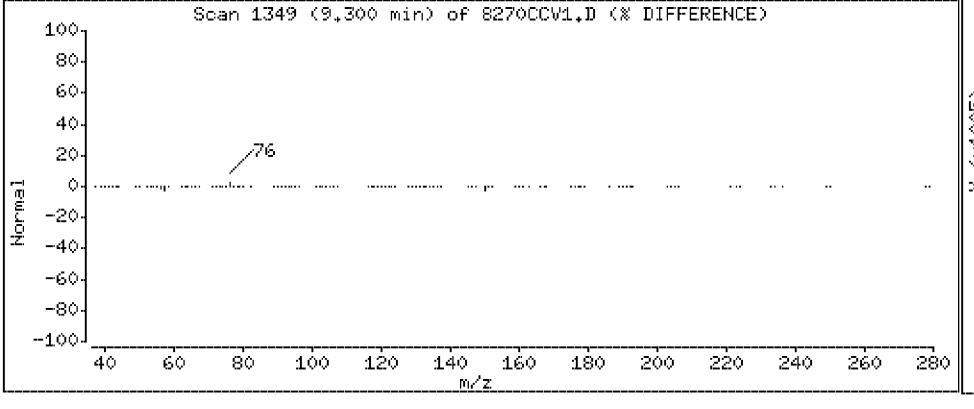












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

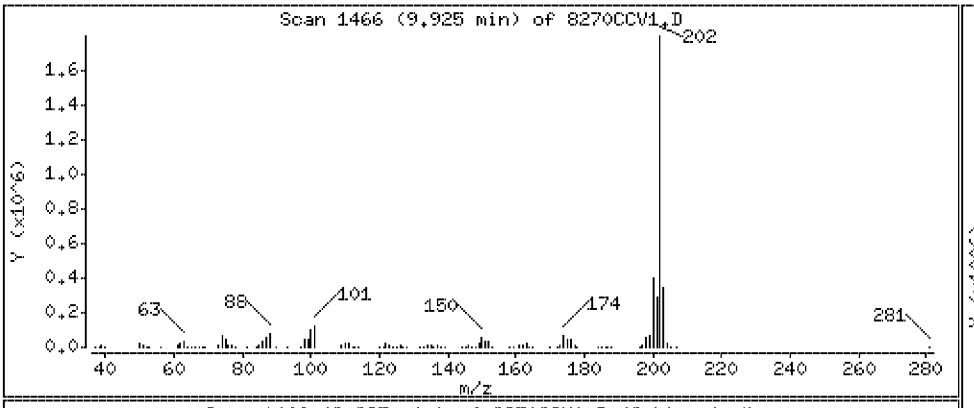
Operator: PEL

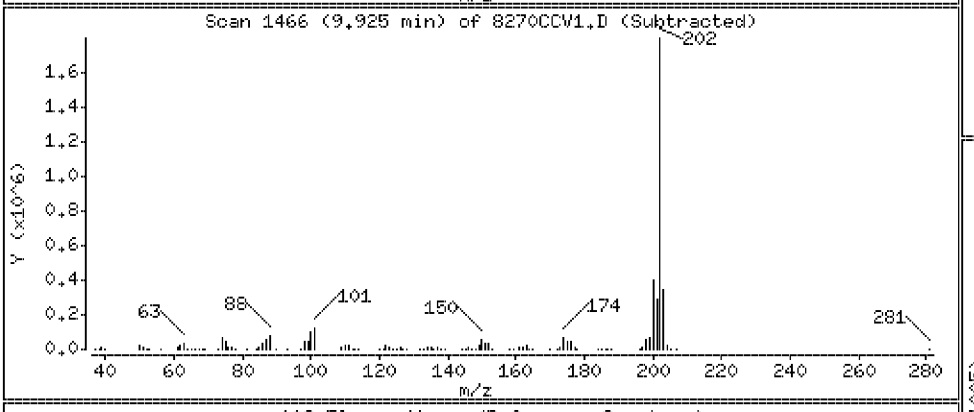
Column phase: HPMS-5

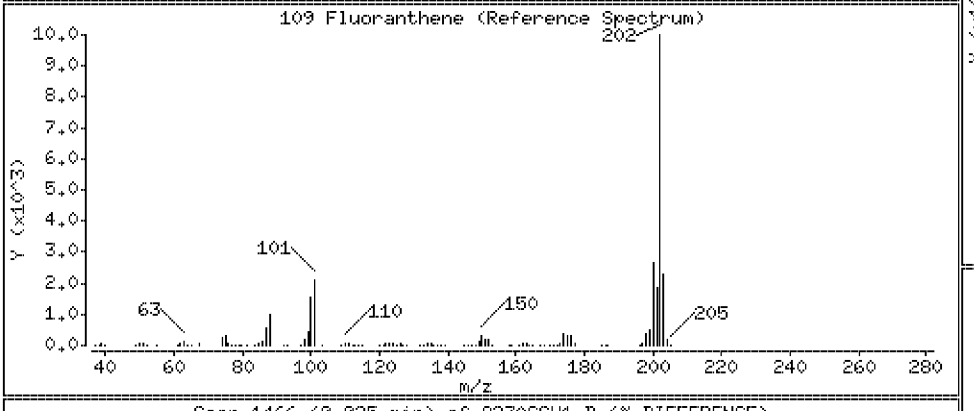
Column diameter: 0.25

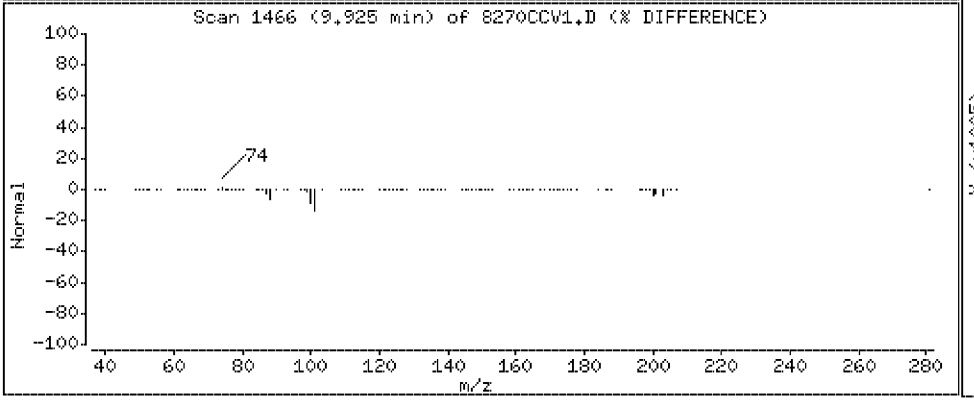
109 Fluoranthene

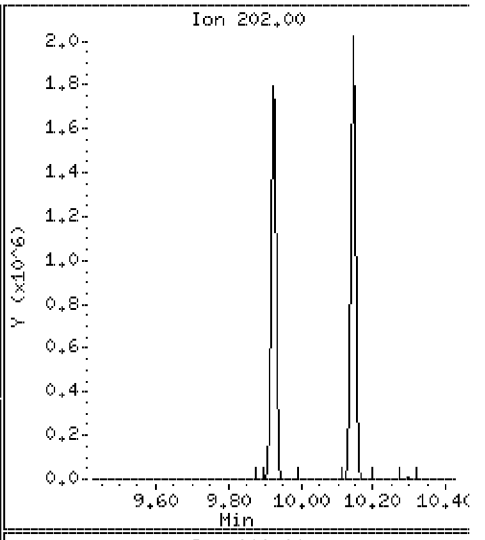
Concentration: 47.6 ug/l

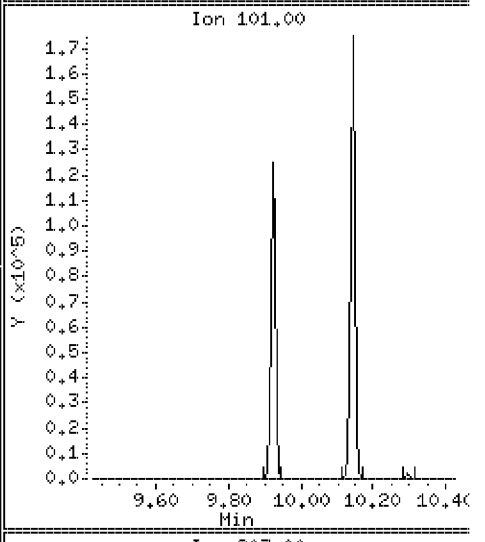


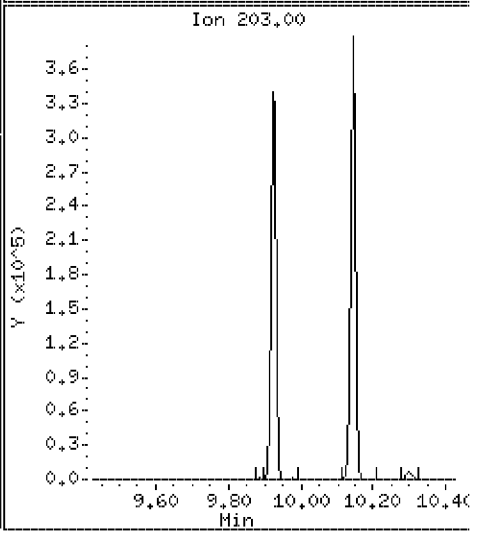












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

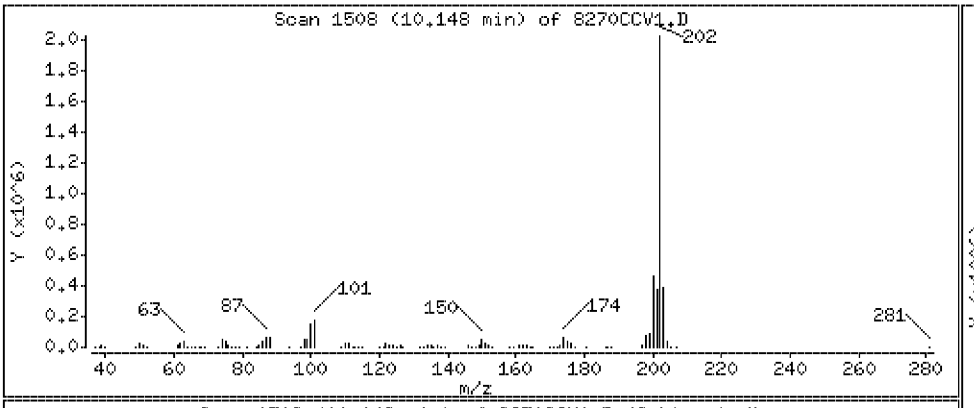
Operator: PEL

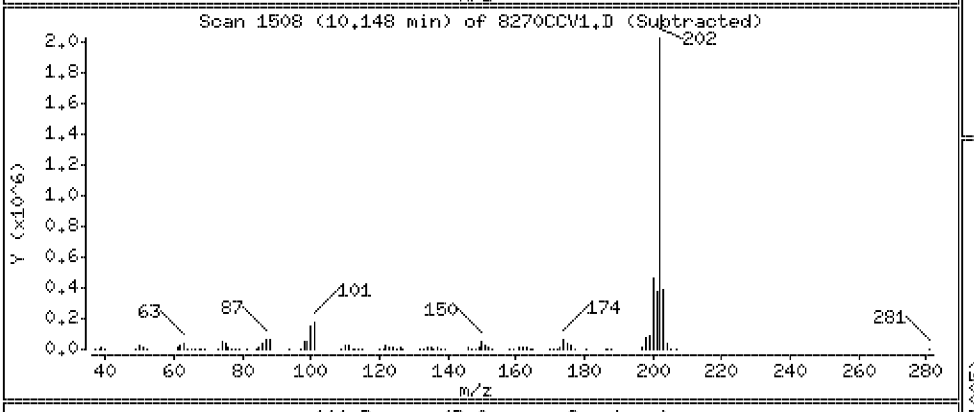
Column phase: HPMS-5

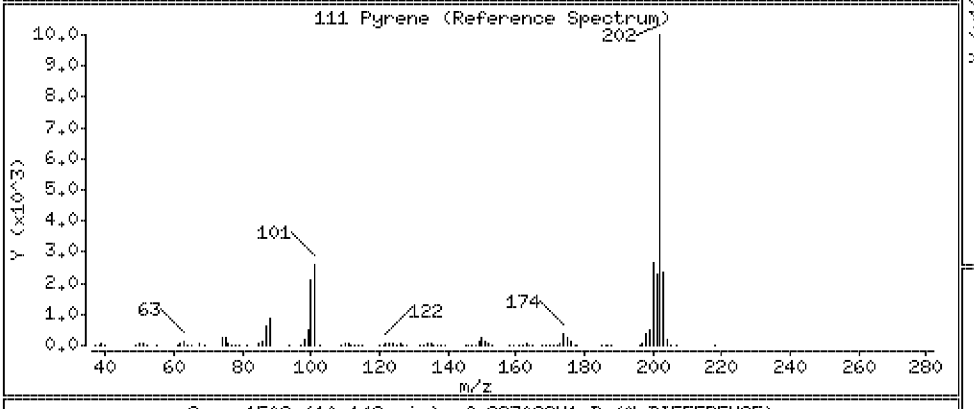
Column diameter: 0.25

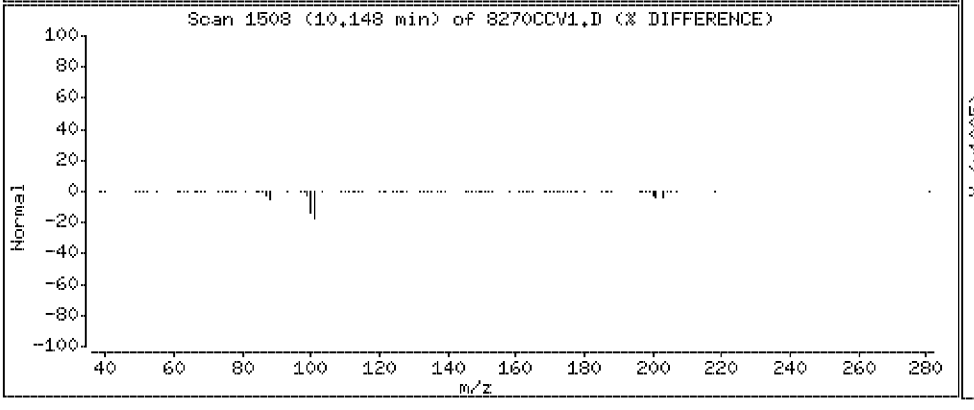
111 Pyrene

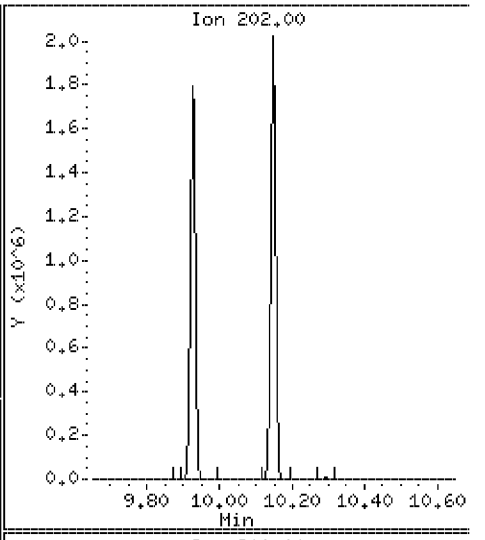
Concentration: 44.1 ug/l

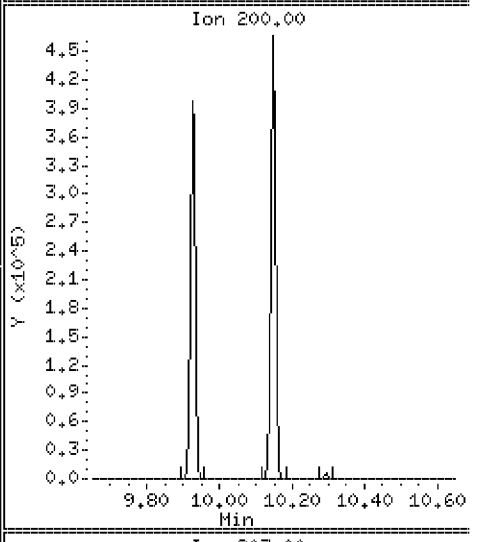


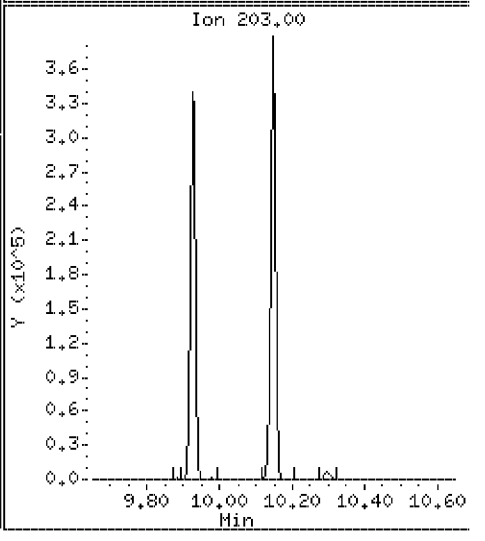












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

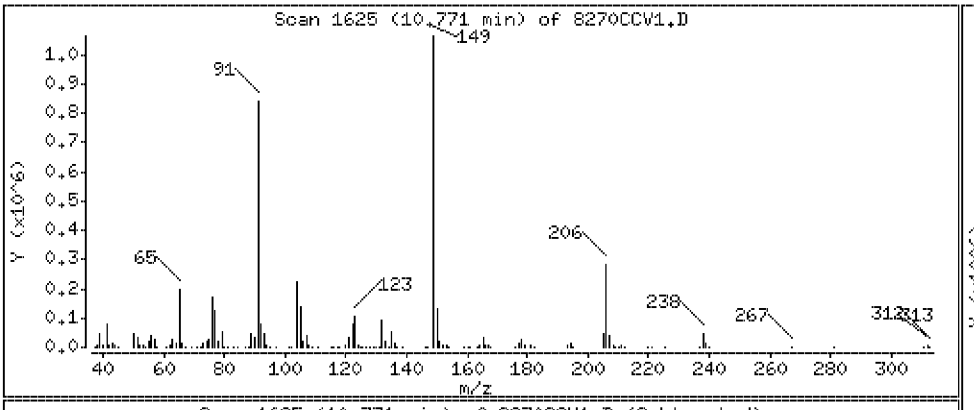
Operator: PEL

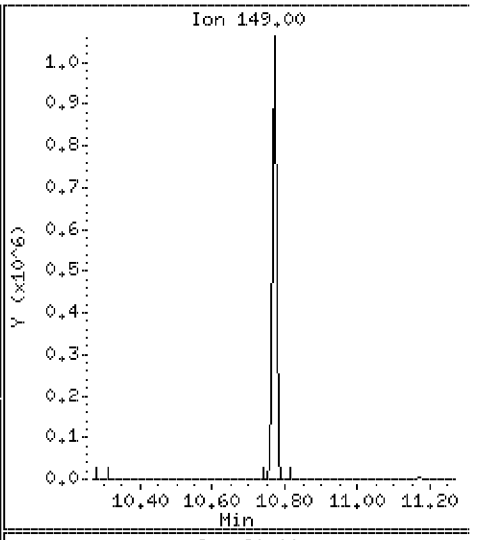
Column phase: HPMS-5

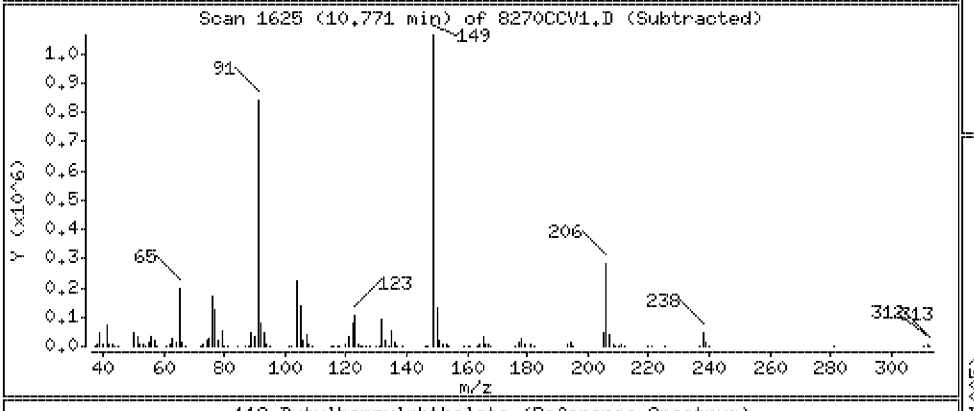
Column diameter: 0.25

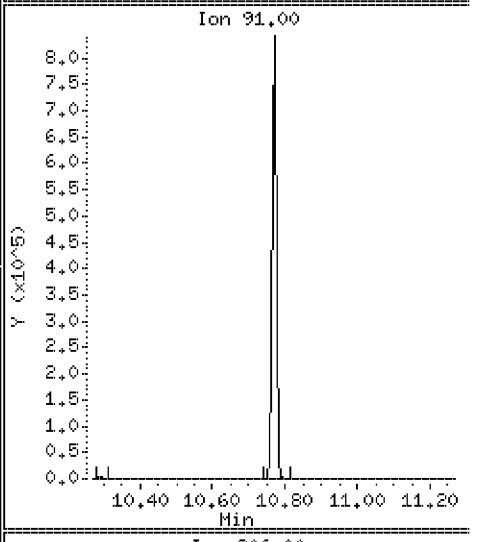
118 Butylbenzylphthalate

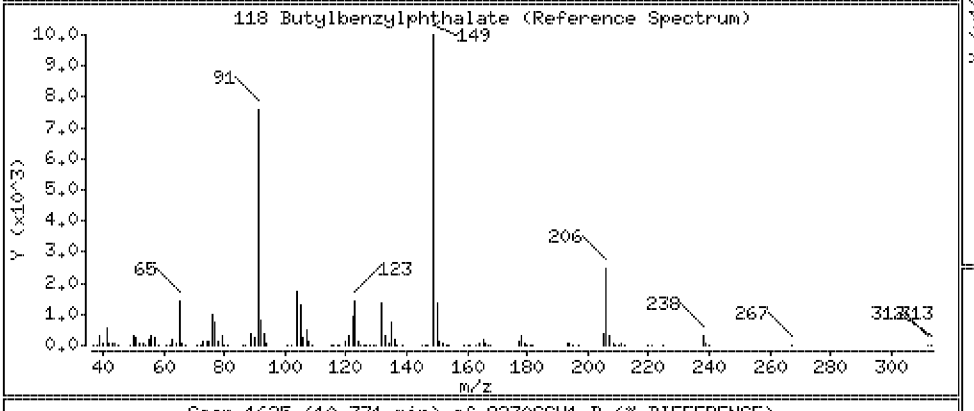
Concentration: 44.8 ug/l

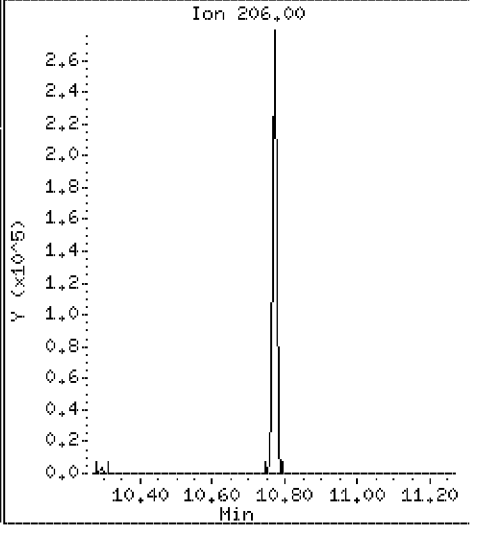


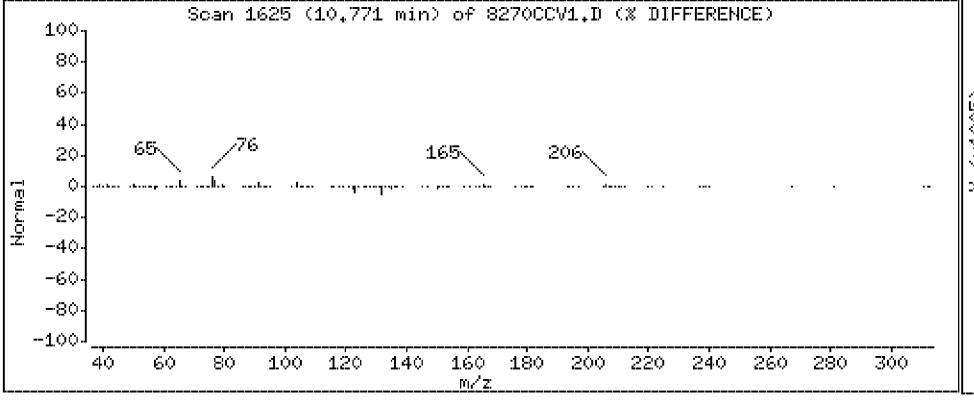












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

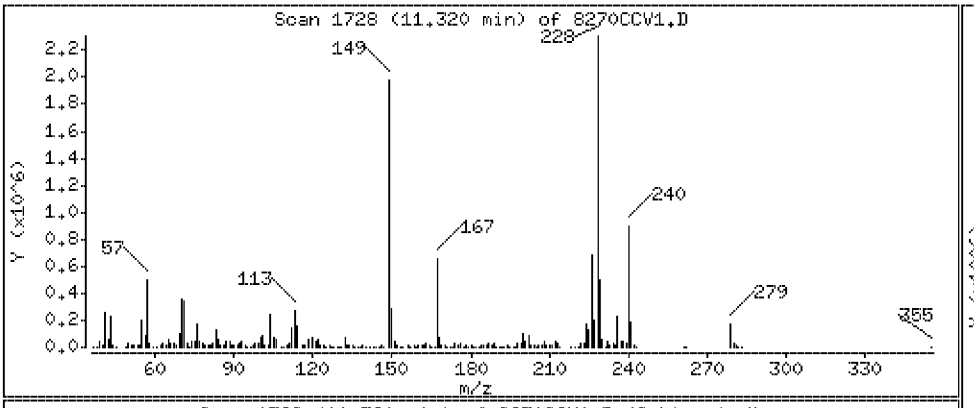
Operator: PEL

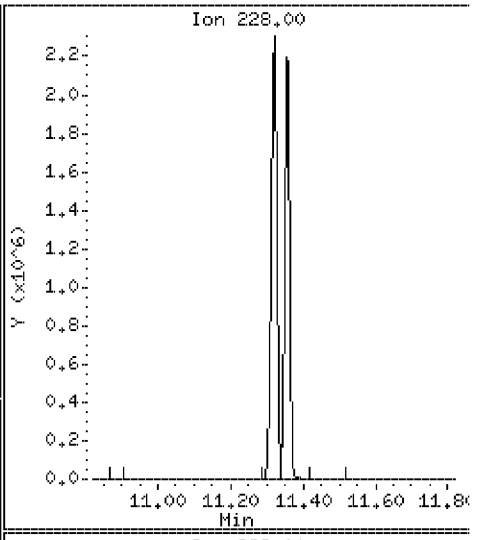
Column phase: HPMS-5

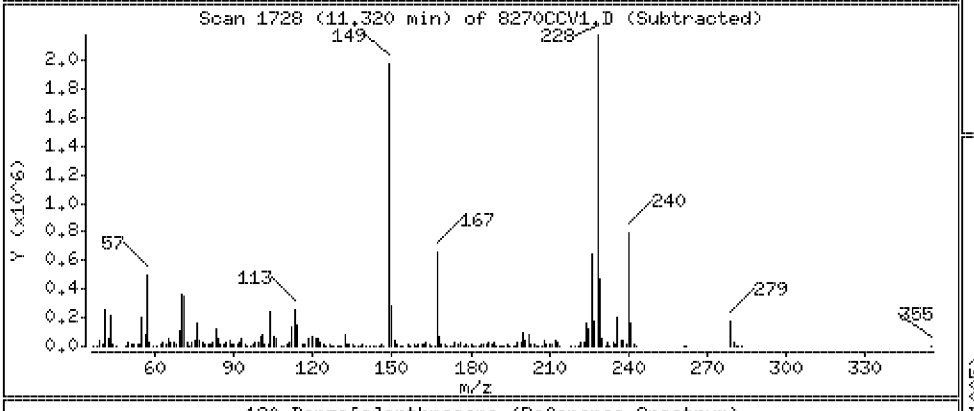
Column diameter: 0.25

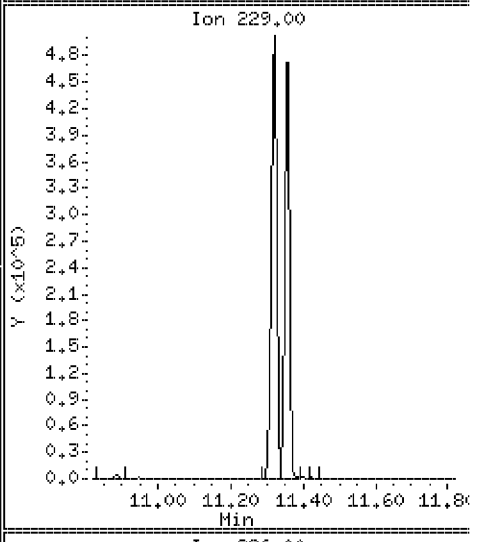
120 Benzo[a]anthracene

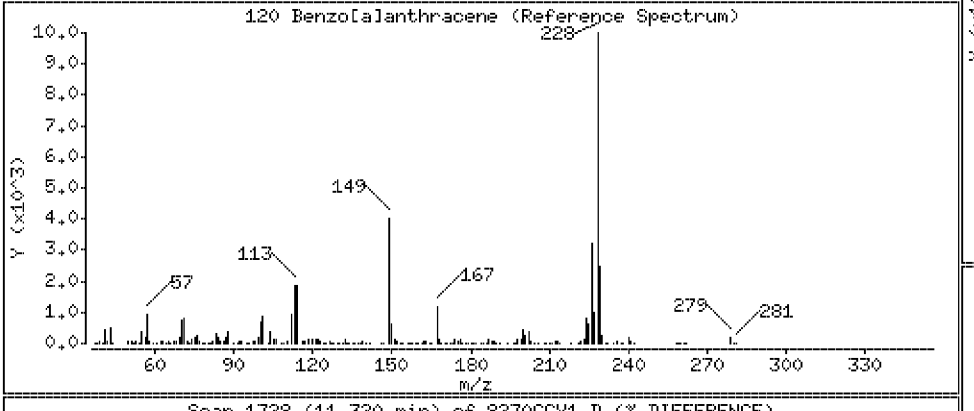
Concentration: 46.9 ug/l

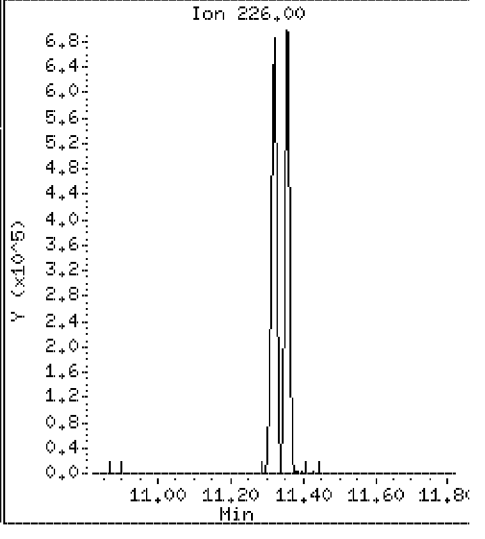


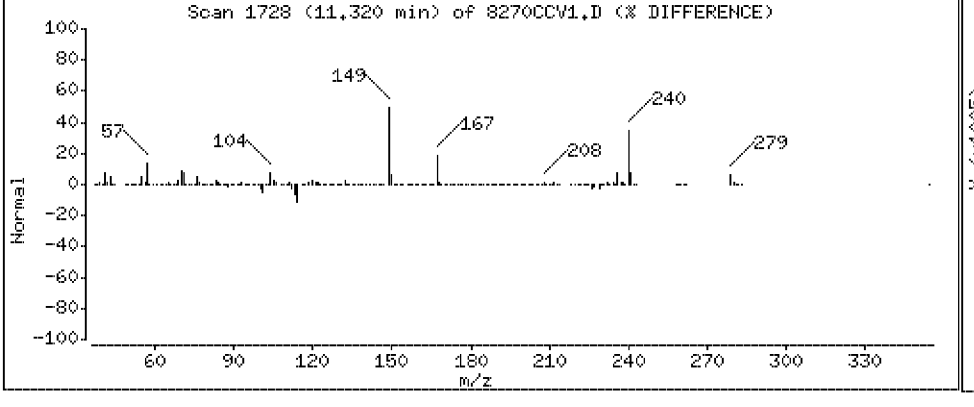












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

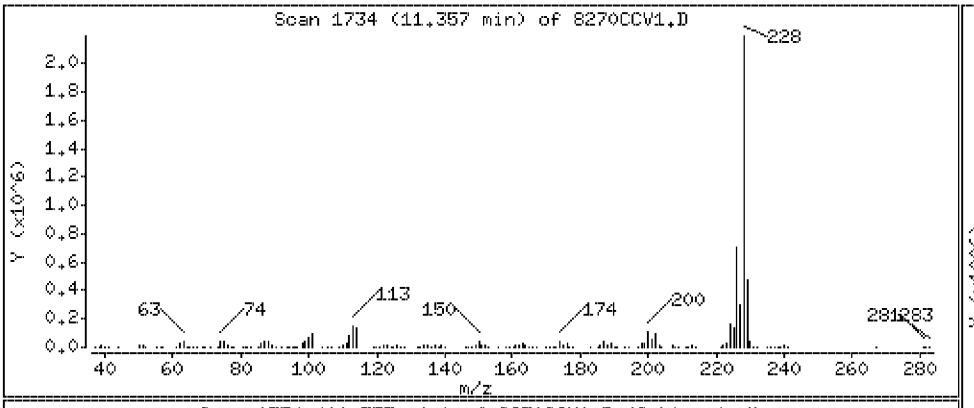
Operator: PEL

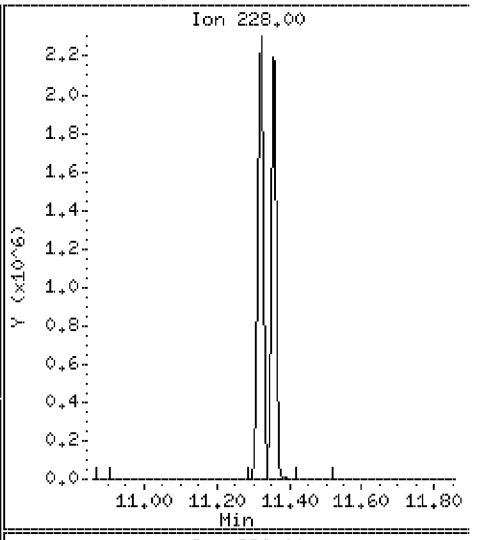
Column phase: HPMS-5

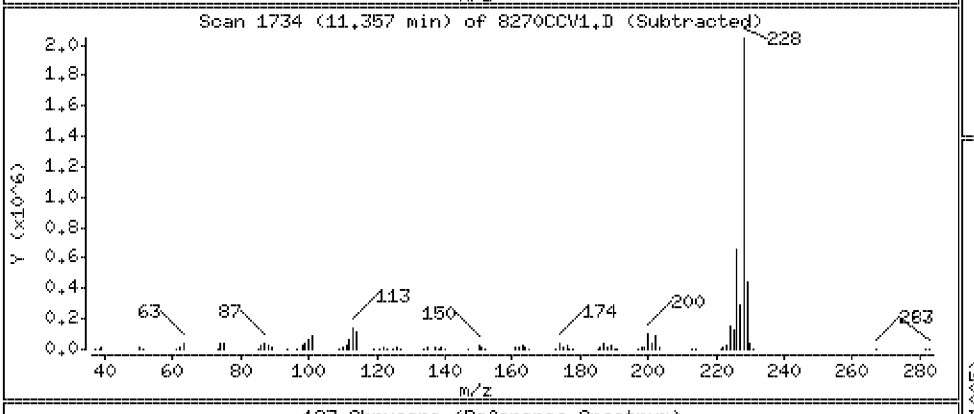
Column diameter: 0.25

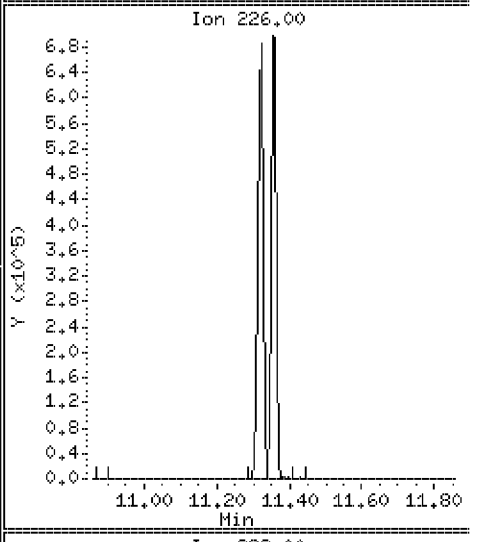
123 Chrysene

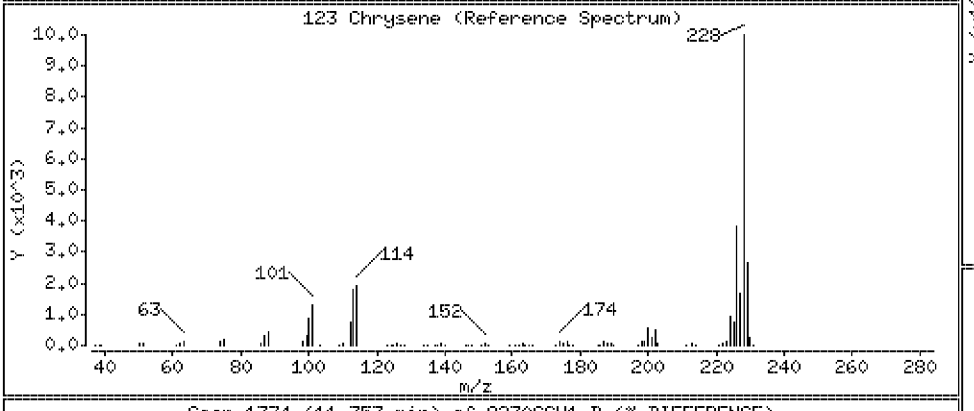
Concentration: 44.8 ug/l

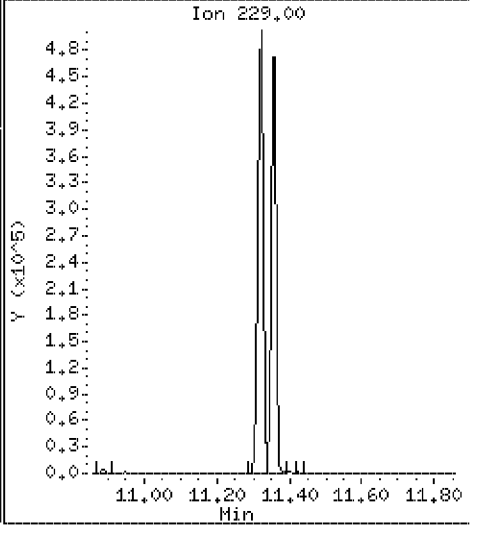


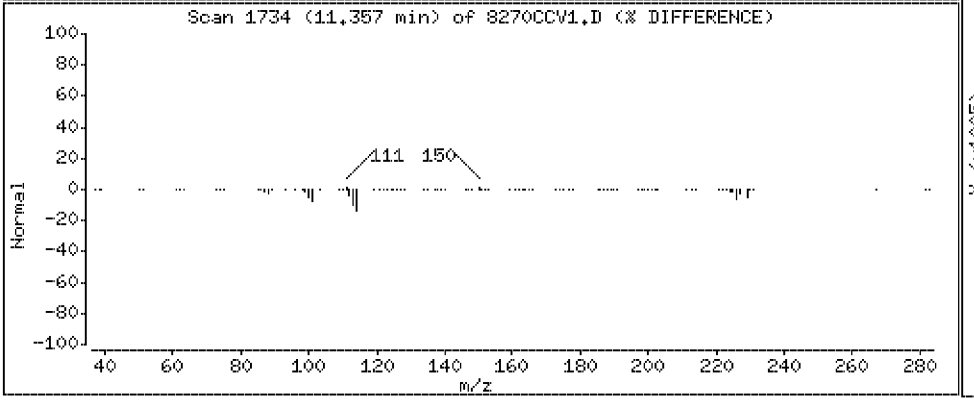












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

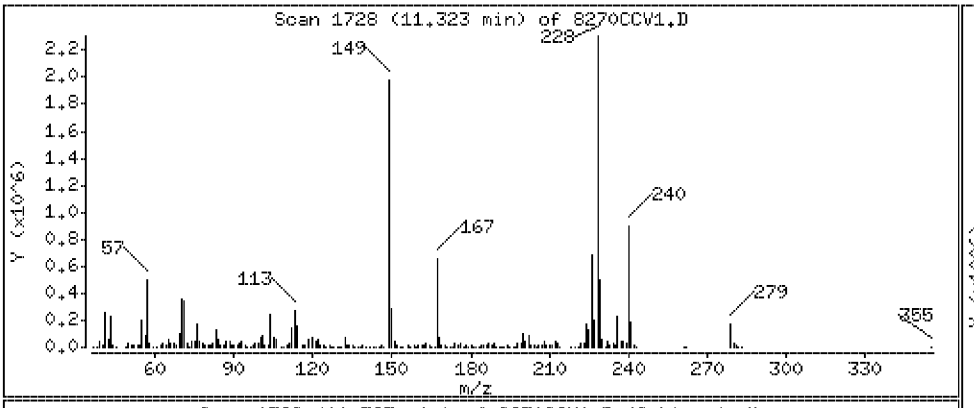
Operator: PEL

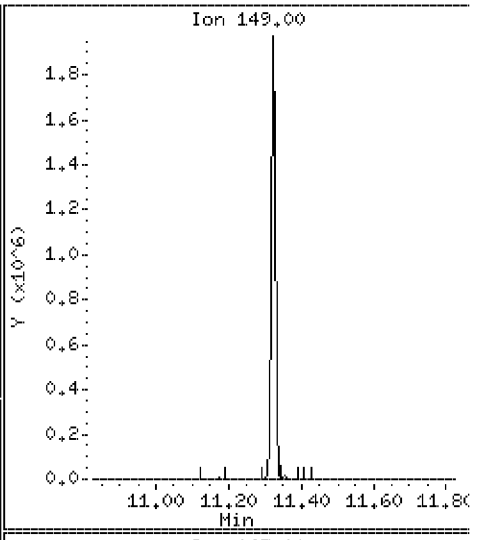
Column phase: HPMS-5

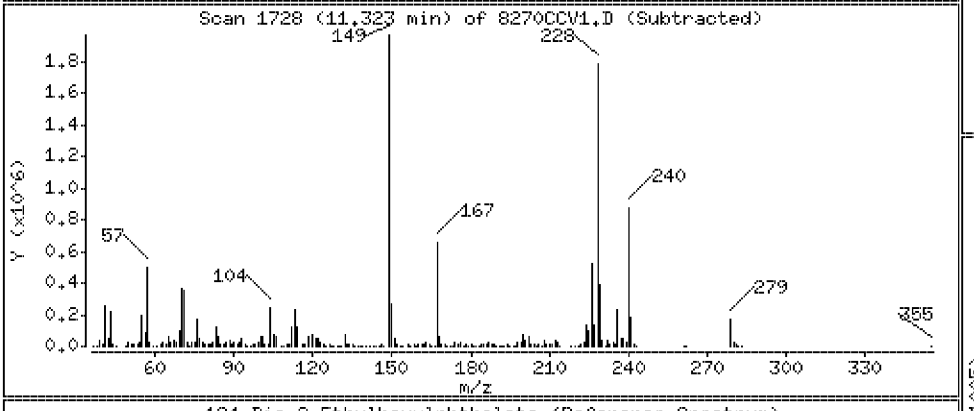
Column diameter: 0.25

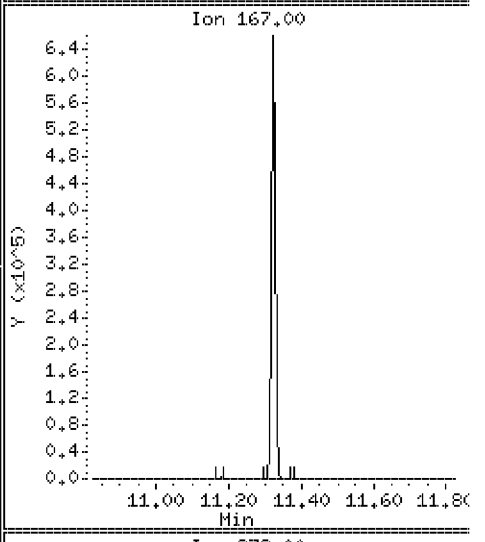
124 Bis-2-Ethylhexylphthalate

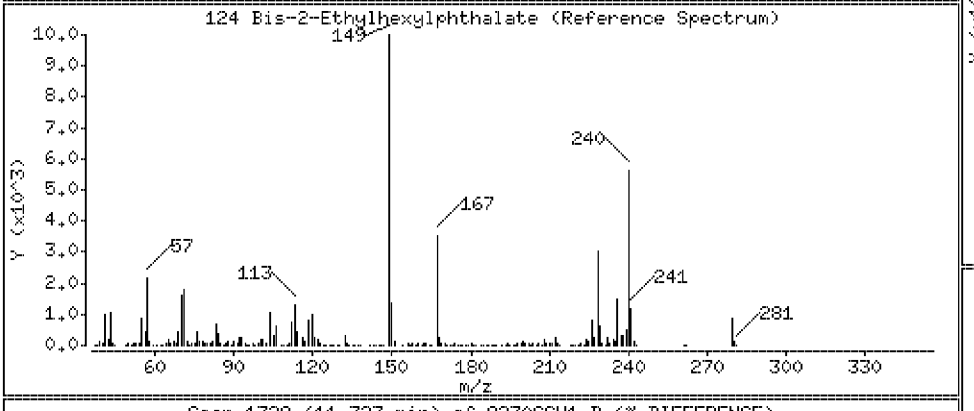
Concentration: 49.0 ug/l

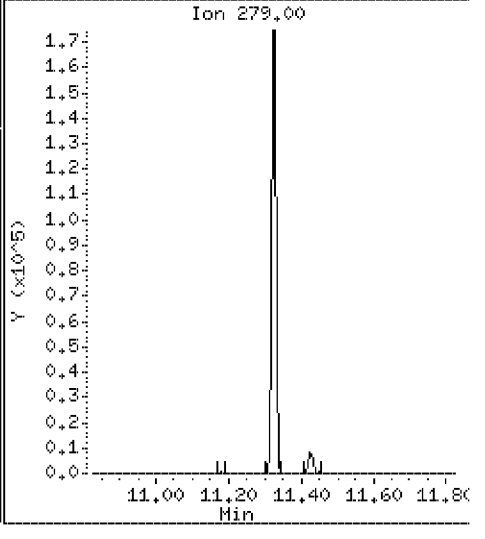


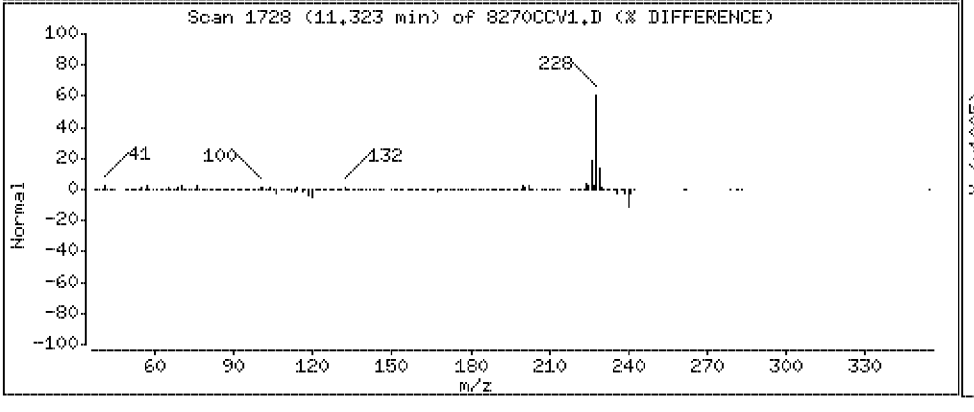












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

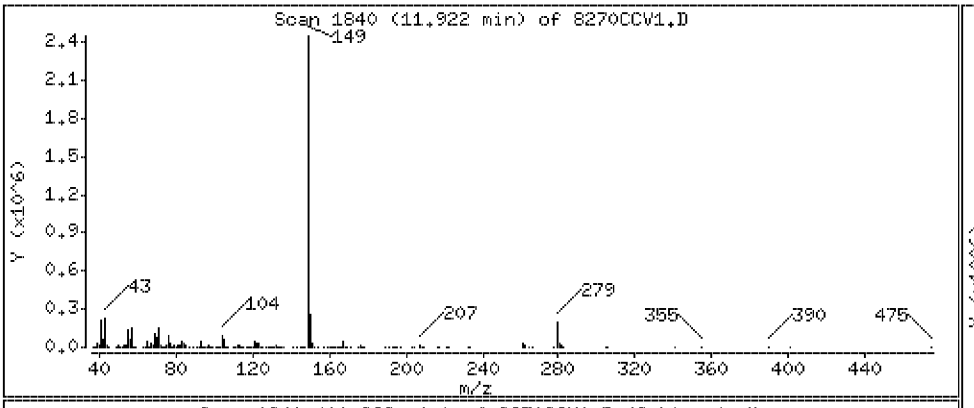
Operator: PEL

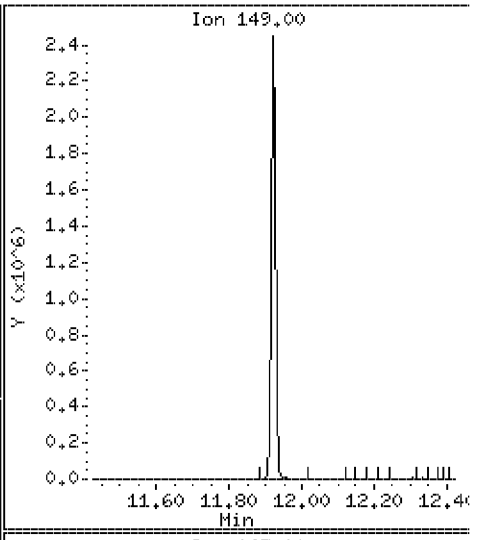
Column phase: HPMS-5

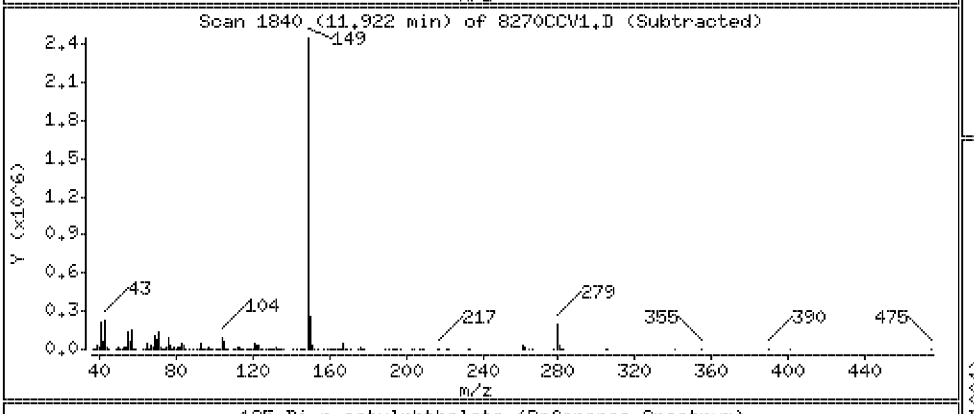
Column diameter: 0.25

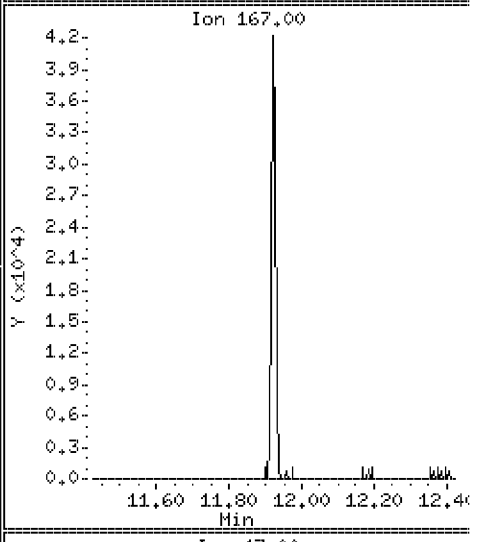
125 Di-n-octylphthalate

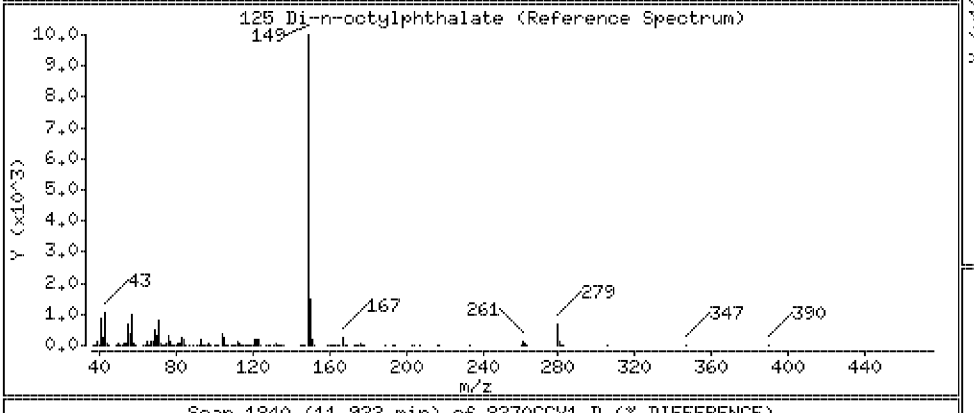
Concentration: 50.4 ug/l

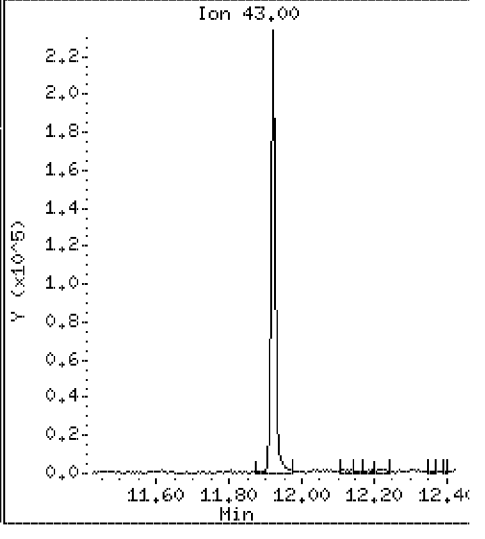


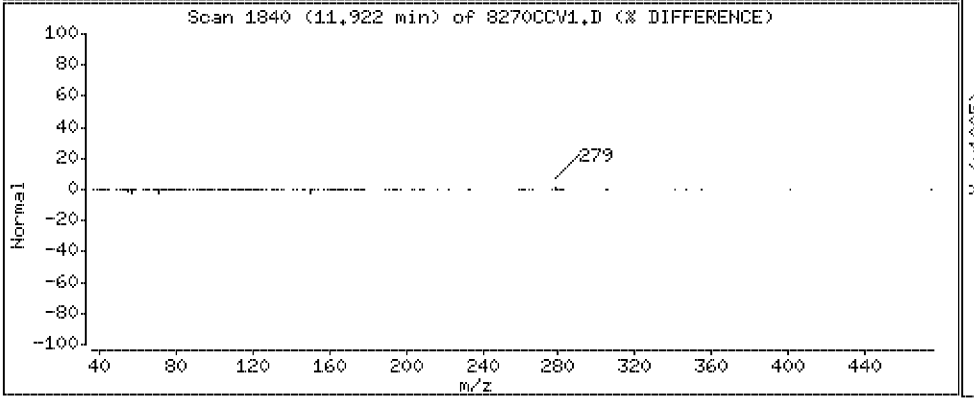












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

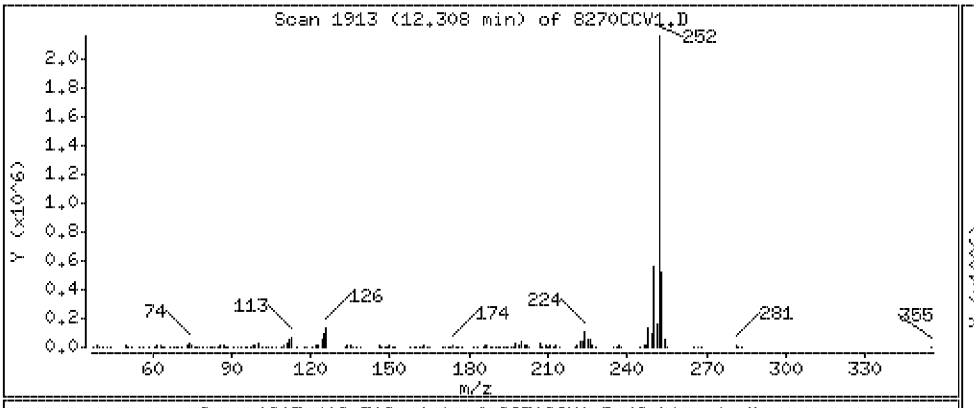
Operator: PEL

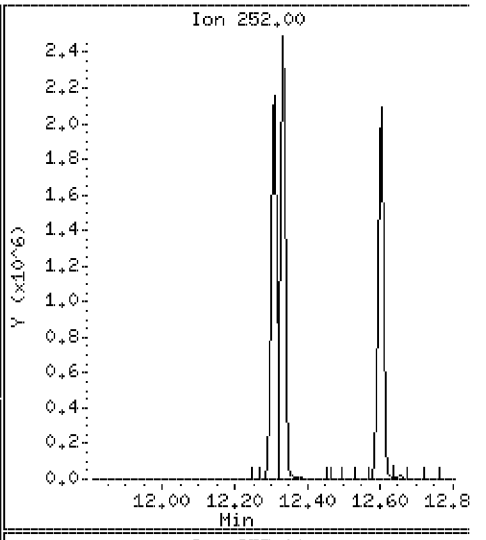
Column phase: HPMS-5

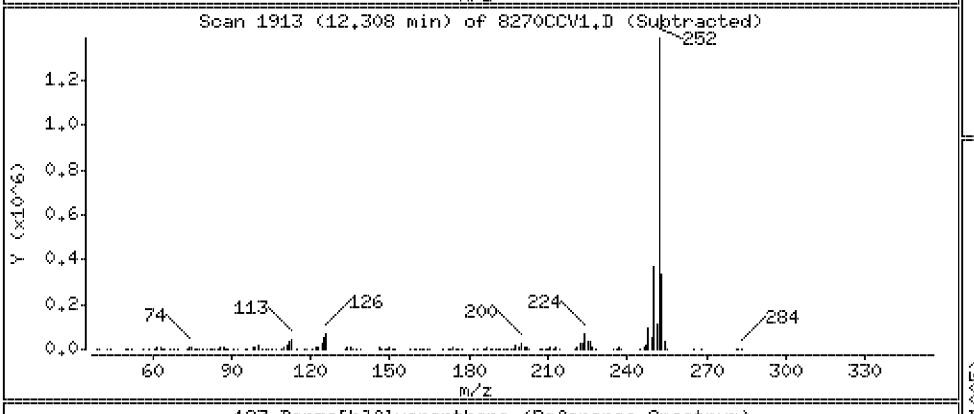
Column diameter: 0.25

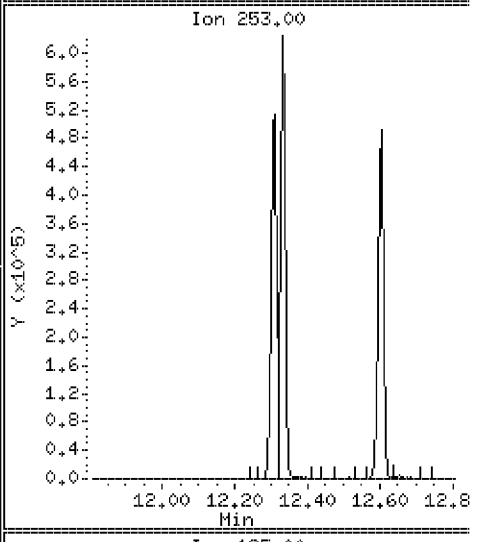
127 Benzo[b]fluoranthene

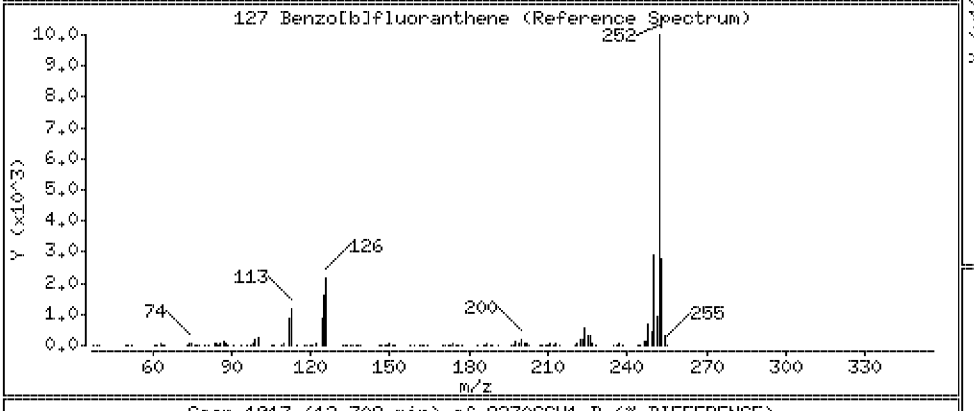
Concentration: 46.0 ug/l

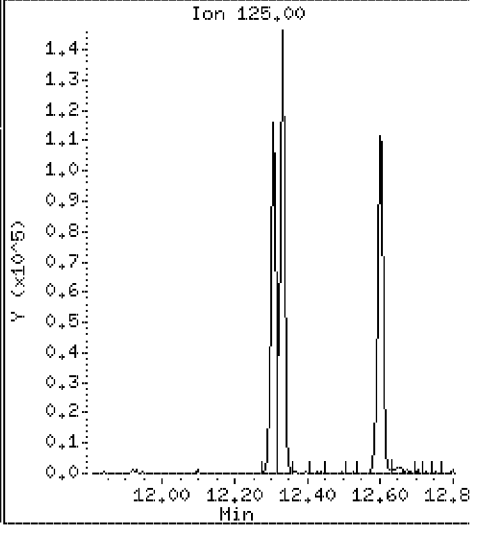


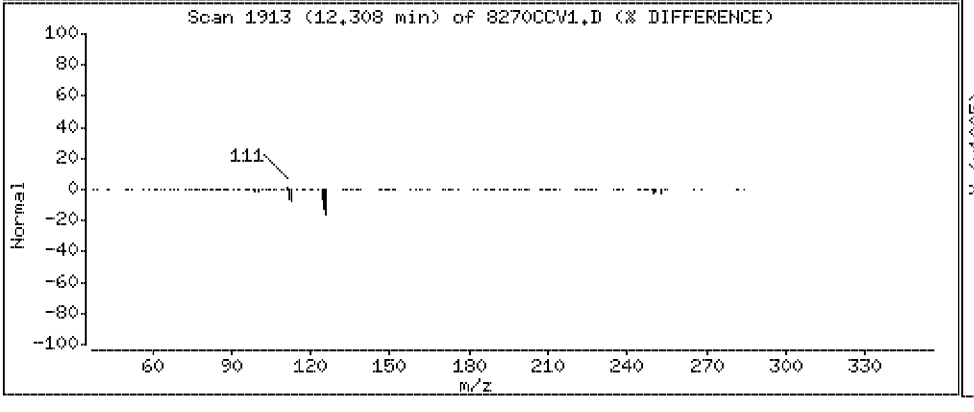












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

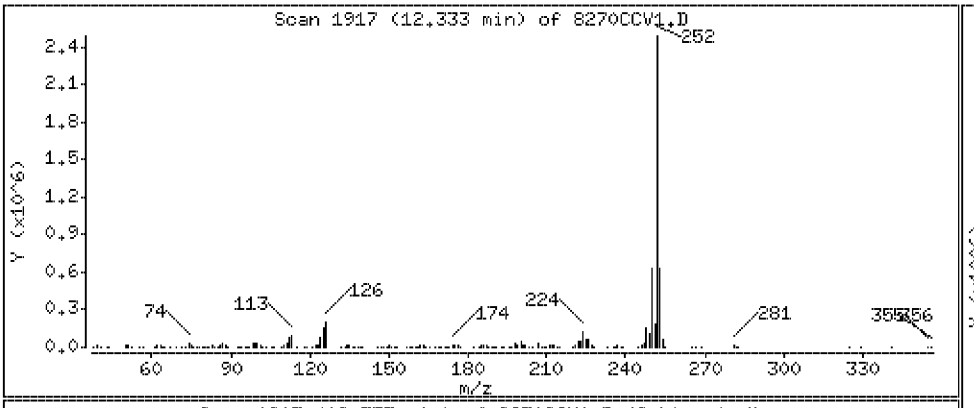
Operator: PEL

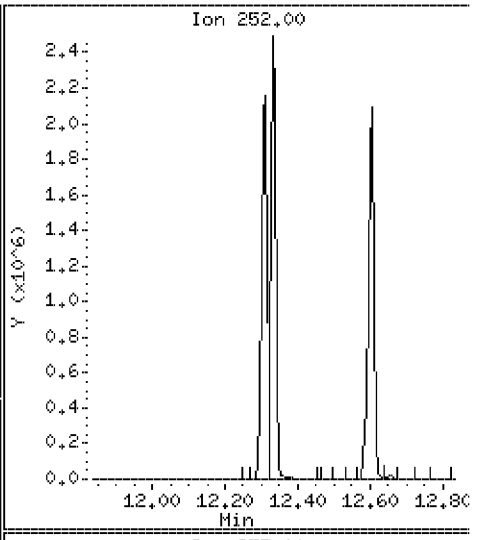
Column phase: HPMS-5

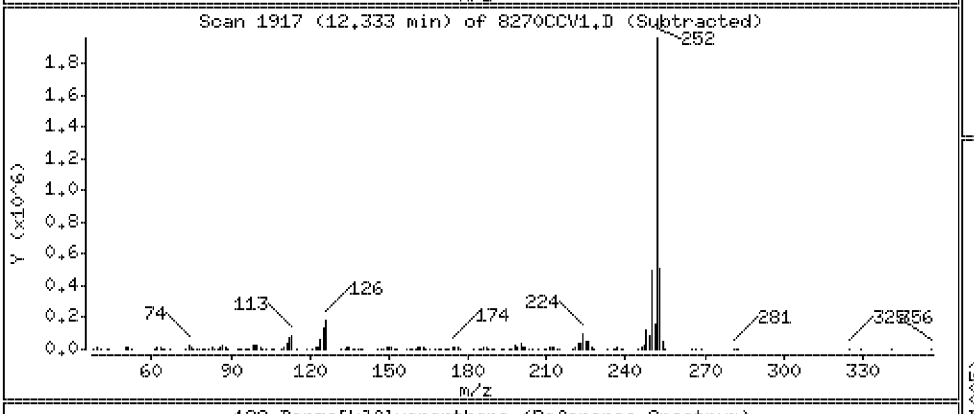
Column diameter: 0.25

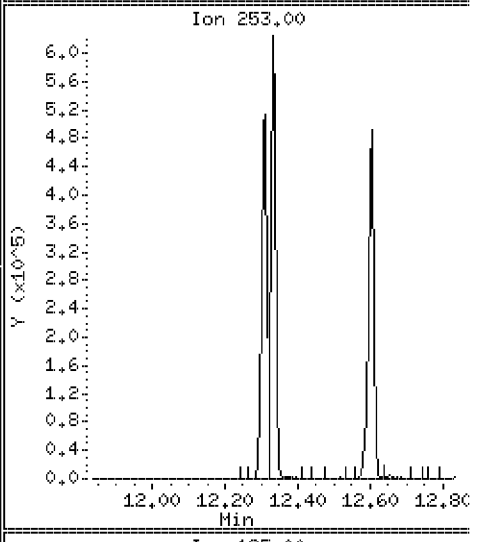
128 Benzo[k]fluoranthene

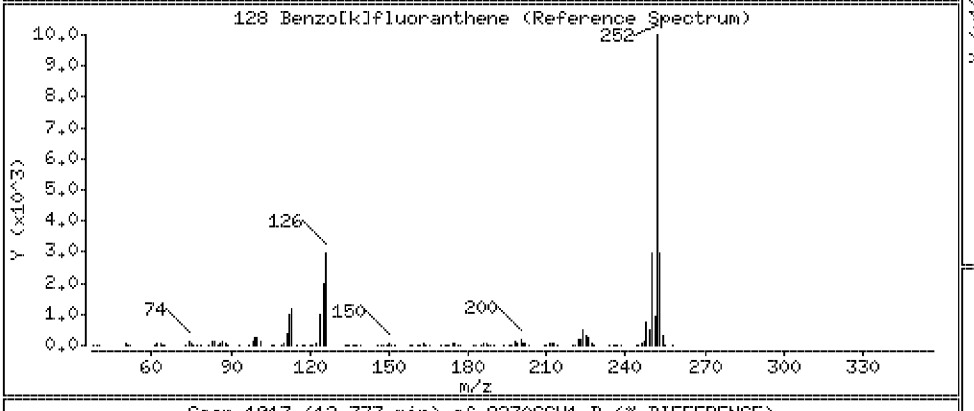
Concentration: 49.1 ug/l

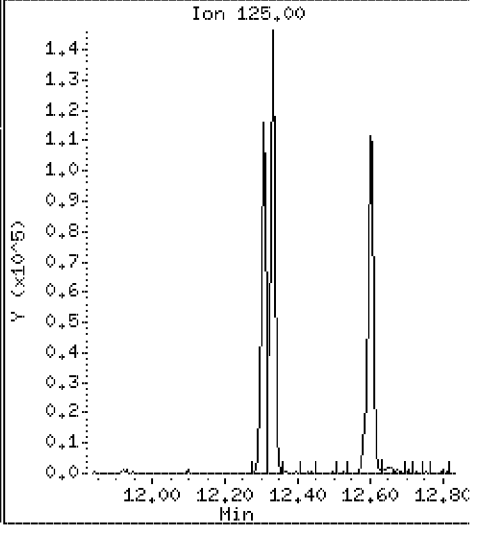


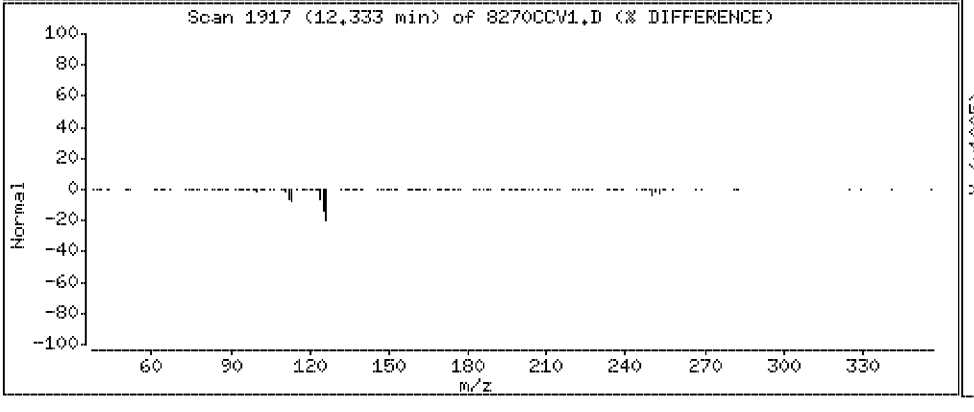












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

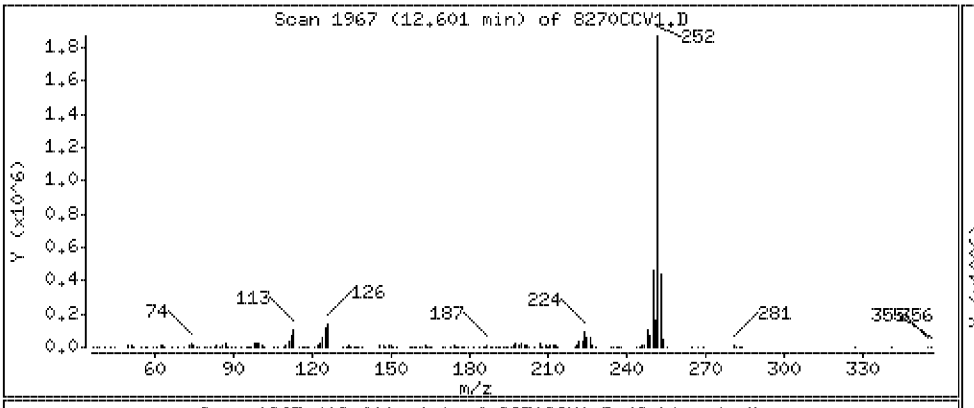
Operator: PEL

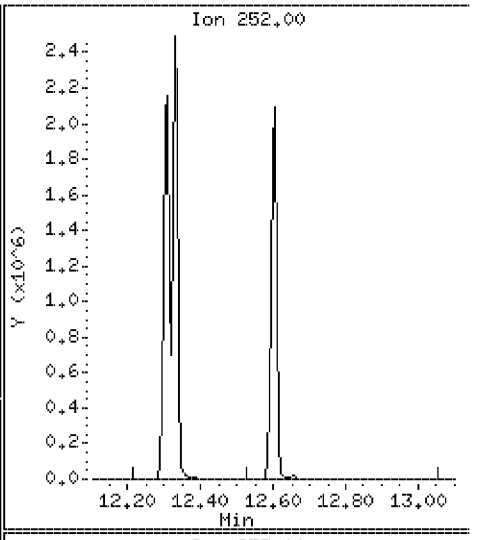
Column phase: HPMS-5

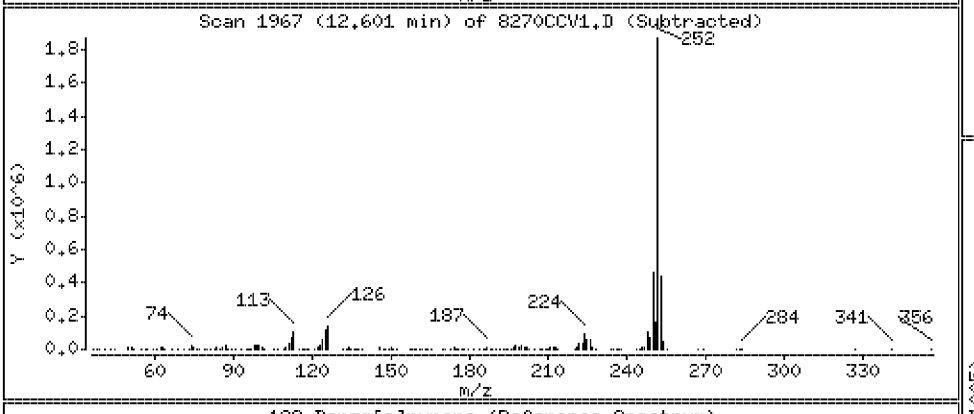
Column diameter: 0.25

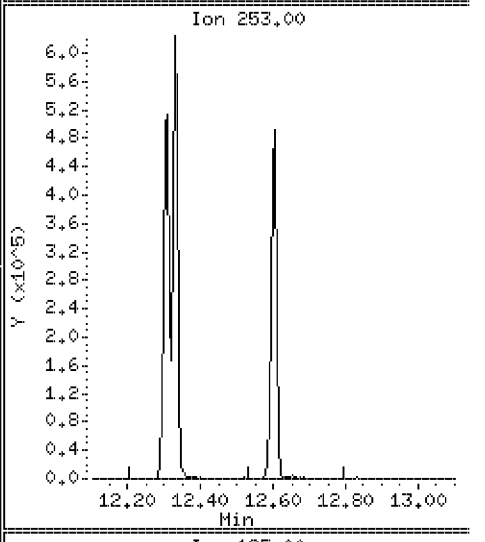
129 Benzo[a]pyrene

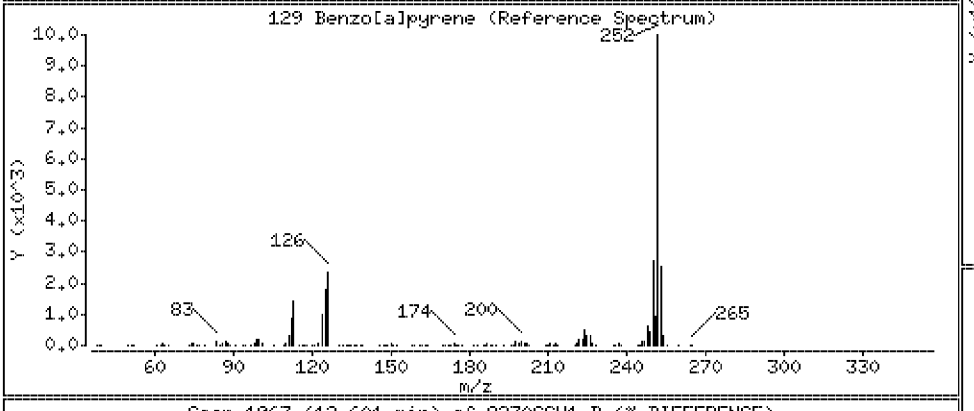
Concentration: 47.1 ug/l

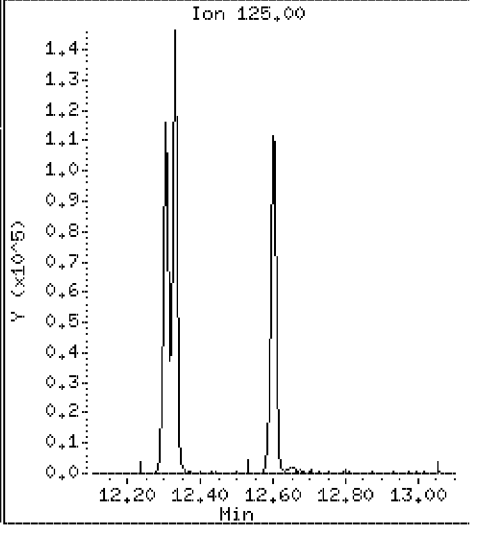


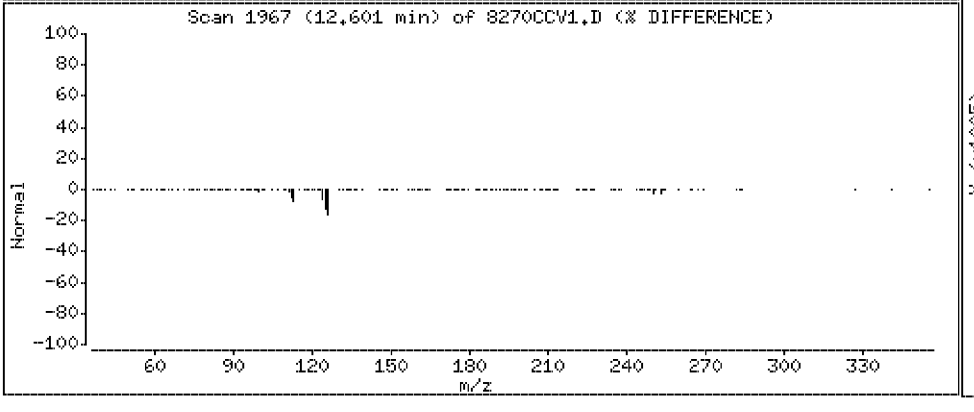












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

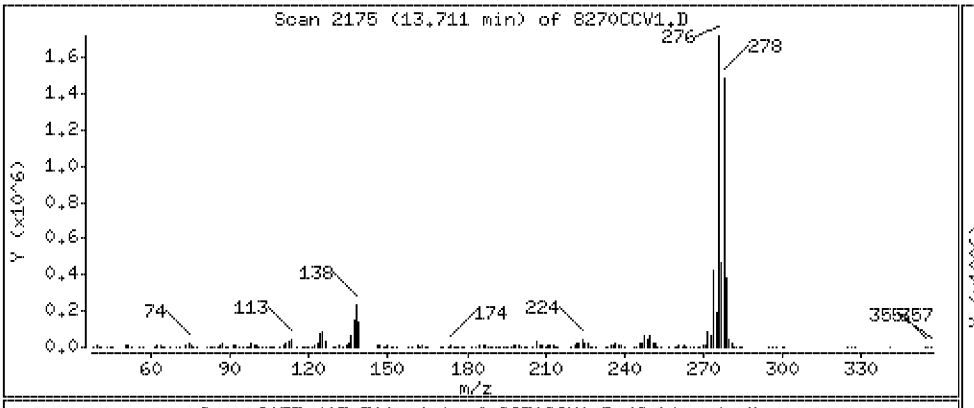
Operator: PEL

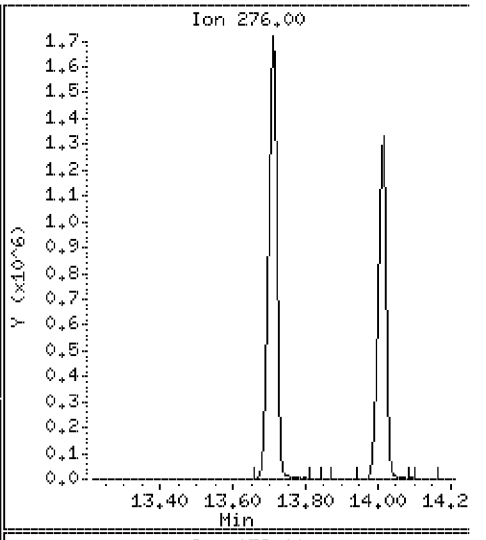
Column phase: HPMS-5

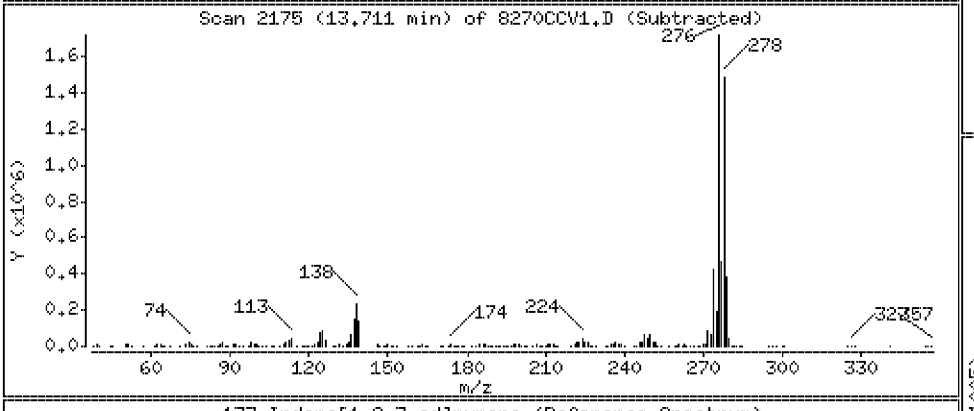
Column diameter: 0.25

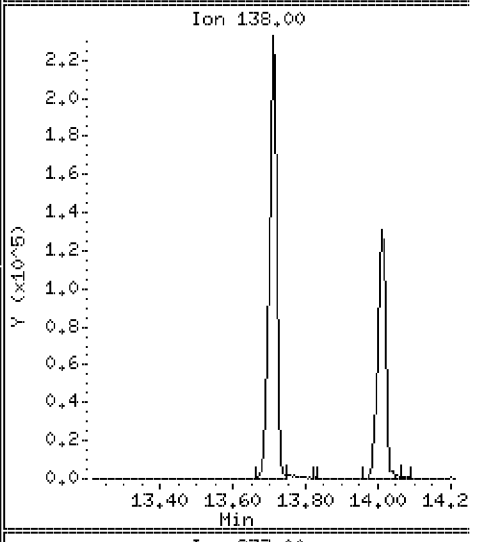
133 Indeno[1,2,3-cd]pyrene

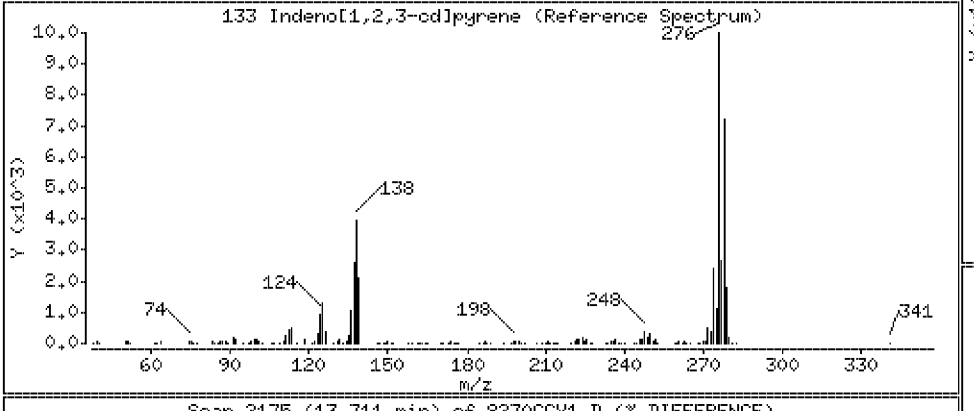
Concentration: 47.0 ug/l

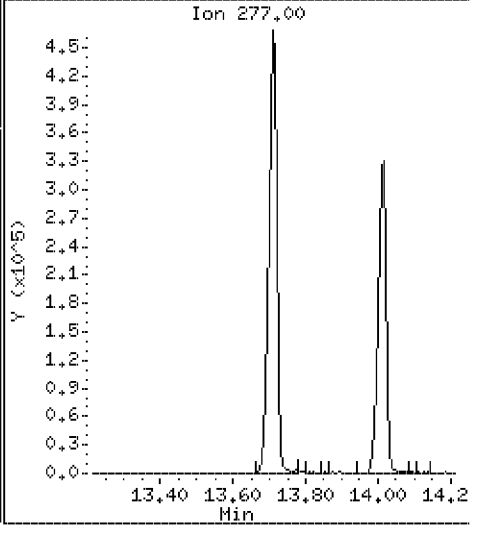


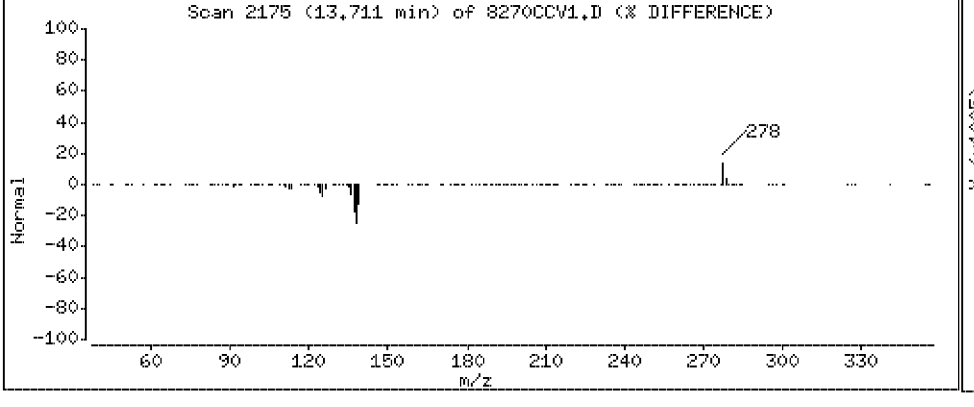












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

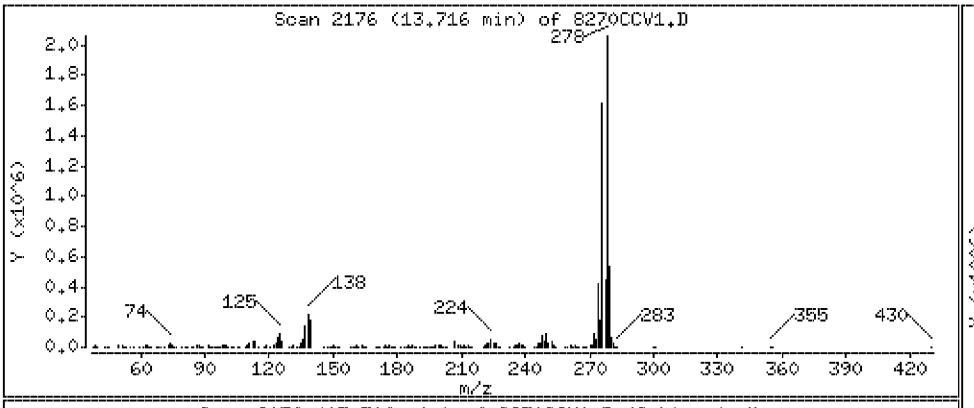
Operator: PEL

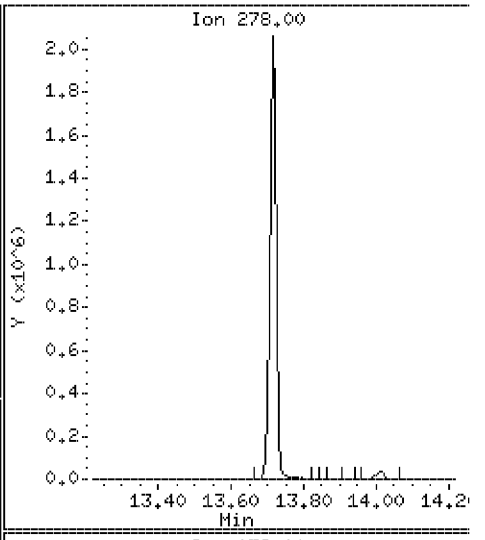
Column phase: HPMS-5

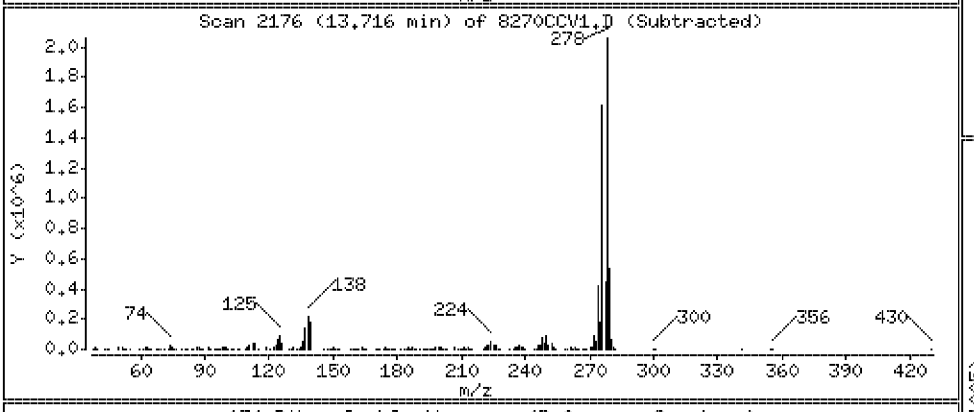
Column diameter: 0.25

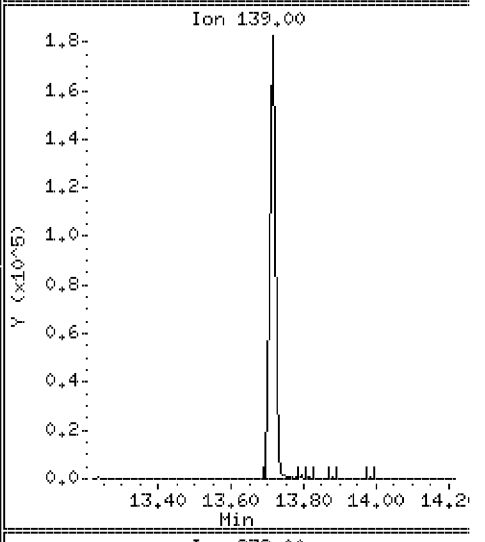
134 Dibenz[a,h]anthracene

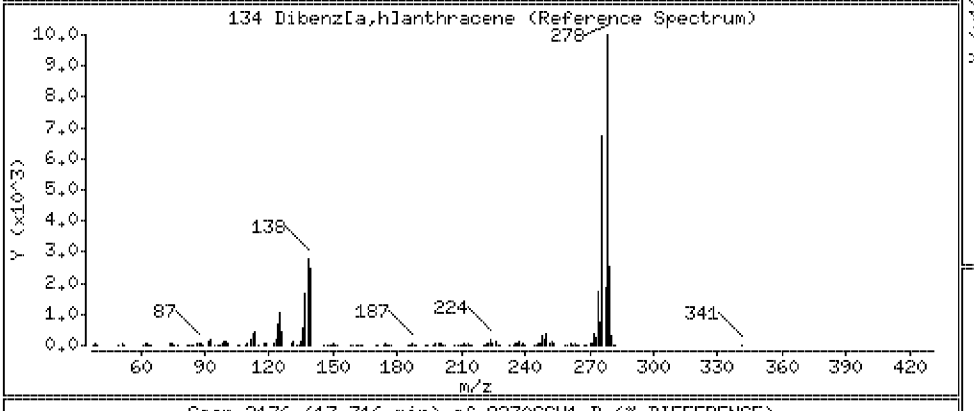
Concentration: 47.7 ug/l

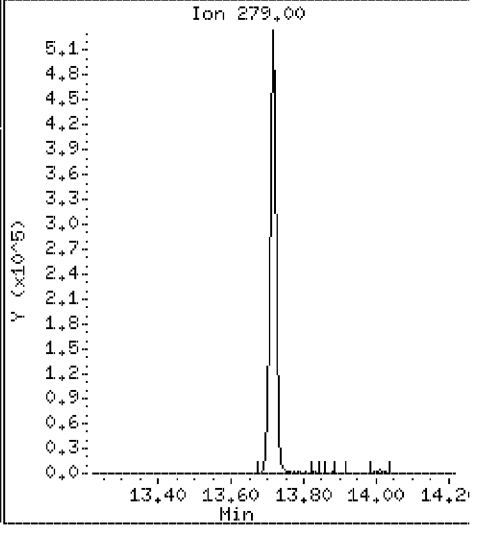


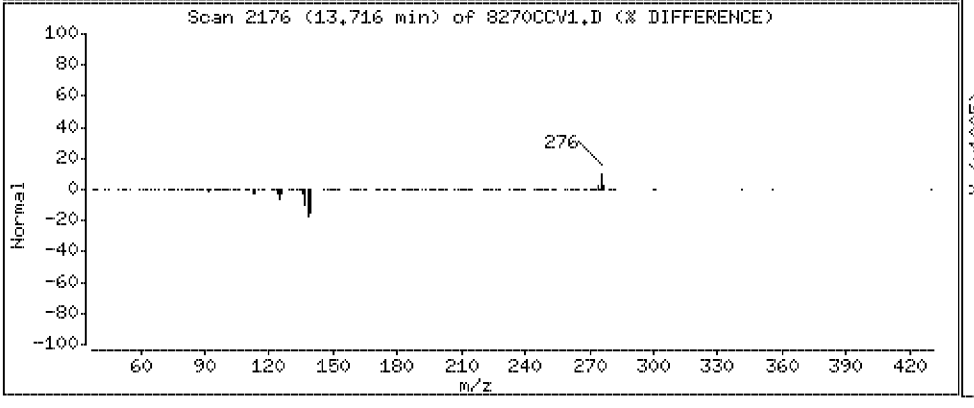












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270CCV1.D

Date : 26-APR-2012 11:08

Client ID: 8270CCV1

Instrument: smsd03.i

Sample Info: 45924

Purge Volume: 1000.0

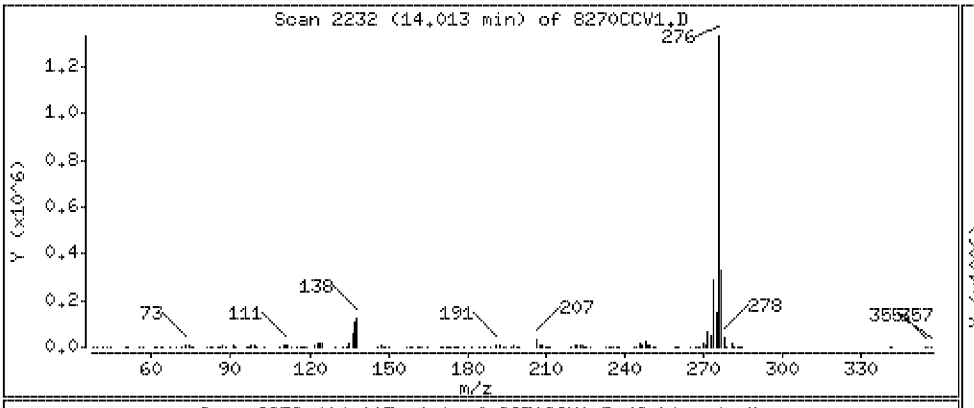
Operator: PEL

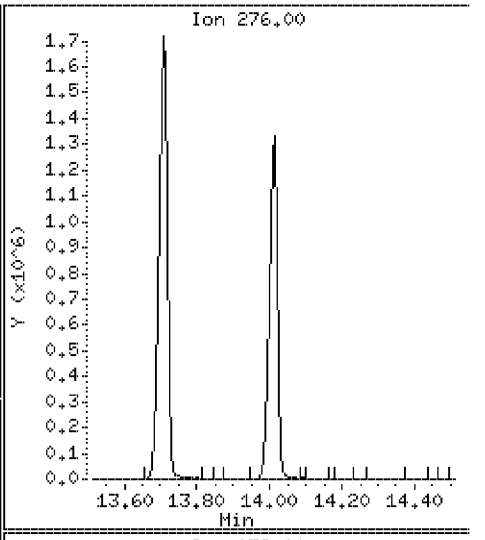
Column phase: HPMS-5

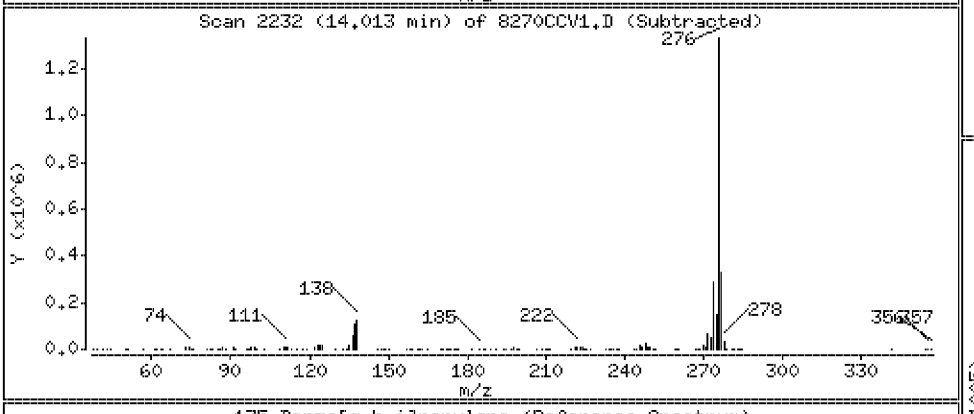
Column diameter: 0.25

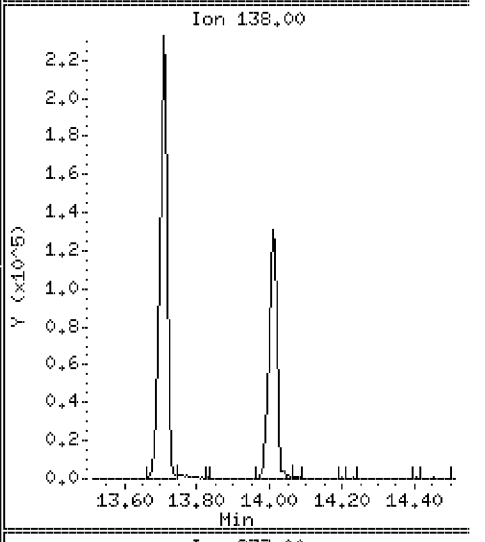
135 Benzo[g,h,i]perylene

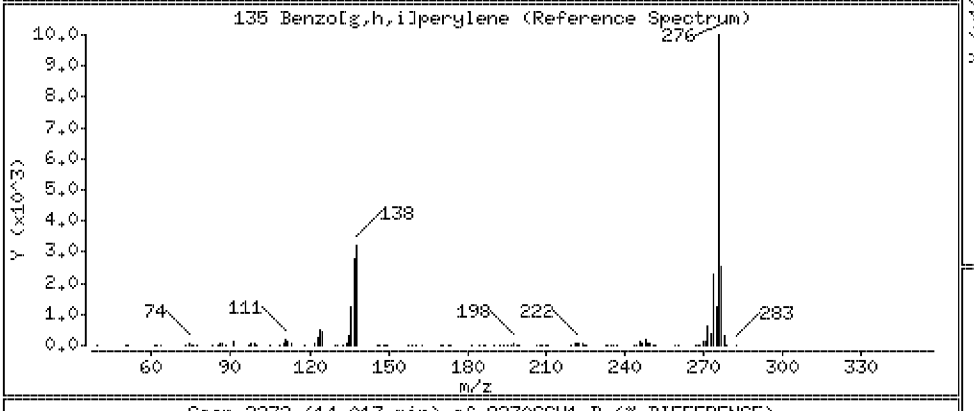
Concentration: 45.8 ug/l

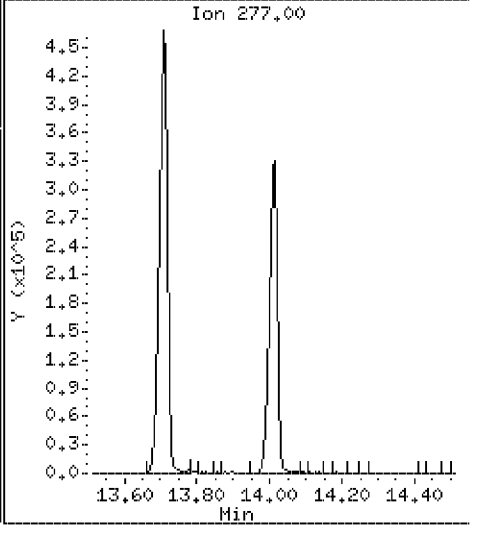


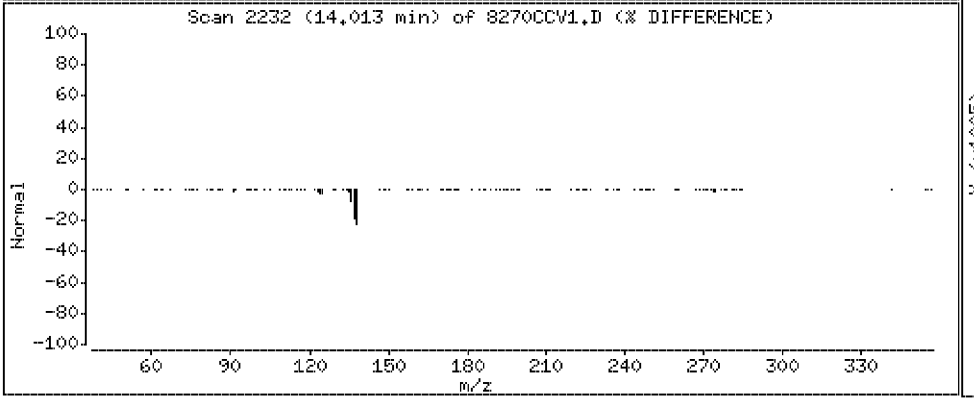












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D
Lab Smp Id: 45936 Client Smp ID: BSCCV1
Inj Date : 26-APR-2012 11:32 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45936
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
4.053	4.053	(0.916)	77	380549	45.0000	47.6	80.00- 120.00	100.00(Q)
4.053	4.053	(0.916)	106	291644			46.64- 106.64	76.64
4.052	4.053	(0.916)	51	130293			4.24- 64.24	34.24
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	262134	40.0000		80.00- 120.00	100.00
4.422	4.423	(1.000)	115	166299			33.39- 93.39	63.44
4.423	4.423	(1.000)	150	394778			121.52- 181.52	150.60
25 Acetophenone						CAS #: 98-86-2		
4.775	4.778	(0.855)	105	609054	45.0000	46.3	80.00- 120.00	100.00(Q)
4.774	4.778	(0.855)	77	625350			69.57- 129.57	102.68
4.774	4.778	(0.855)	51	151278			0.00- 54.45	24.84
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.583	5.583	(1.000)	136	873697	40.0000		80.00- 120.00	100.00
5.582	5.583	(1.000)	68	47703			0.00- 35.32	5.46
50 Caprolactam						CAS #: 105-60-2		
5.977	5.977	(1.071)	55	116194	45.0000	46.1	80.00- 120.00	100.00
5.977	5.977	(1.071)	113	124659			77.29- 137.29	107.29

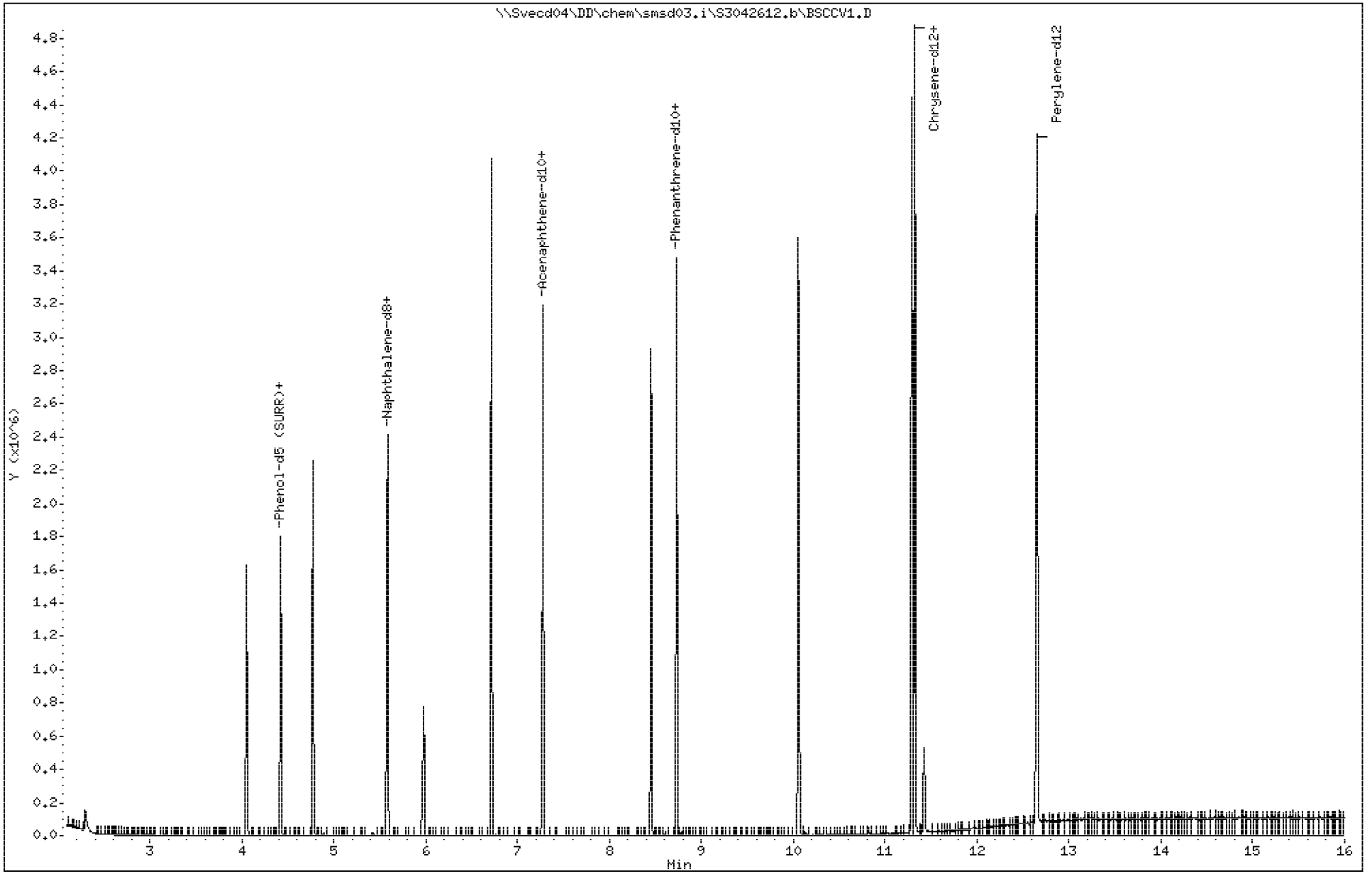
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	50 Caprolactam (continued)							
5.977	5.977	(1.071)	85	95764			52.42- 112.42	82.42
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.714	6.714	(0.923)	154	1139081	45.0000	46.4	80.00- 120.00	100.00(Q)
6.713	6.714	(0.923)	76	147182			0.00- 42.92	12.92
6.713	6.714	(0.922)	51	76359			0.00- 36.70	6.70
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.277	7.278	(1.000)	164	615452	40.0000		80.00- 120.00	100.00
7.277	7.278	(1.000)	162	590849			66.43- 126.43	96.00
7.277	7.278	(1.000)	160	275738			14.76- 74.76	44.80
	95 Atrazine					CAS #: 1912-24-9		
8.455	8.455	(0.968)	200	384875	45.0000	46.8	80.00- 120.00	100.00
8.453	8.455	(0.968)	58	89358			0.00- 53.22	23.22
8.455	8.455	(0.968)	215	203424			22.85- 82.85	52.85
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.732	8.734	(1.000)	188	1228134	40.0000		80.00- 120.00	100.00
8.731	8.734	(1.000)	94	75588			0.00- 36.17	6.15
8.730	8.734	(1.000)	80	92636			0.00- 38.16	7.54
	110 Benzidine					CAS #: 92-87-5		
10.057	10.057	(0.888)	184	1255957	45.0000	48.9	80.00- 120.00	100.00(Q)
10.056	10.057	(0.888)	92	64024			0.00- 35.10	5.10
10.057	10.057	(0.888)	185	183667			0.00- 44.62	14.62
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.293	11.293	(0.997)	252	925498	45.0000	47.8	80.00- 120.00	100.00
11.293	11.293	(0.997)	254	613879			36.33- 96.33	66.33
11.292	11.293	(0.997)	126	69361			0.00- 37.49	7.49
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.326	11.327	(1.000)	240	1670996	40.0000		80.00- 120.00	100.00
11.324	11.327	(1.000)	120	85857			0.00- 35.19	5.14
11.326	11.327	(1.000)	236	441829			0.00- 56.66	26.44
*	130 Perylene-d12					CAS #: 1520-96-3		
12.651	12.650	(1.000)	264	1741648	40.0000		80.00- 120.00	100.00
12.651	12.650	(1.000)	260	427262			0.00- 54.55	24.53
12.651	12.650	(1.000)	265	390242			0.00- 53.02	22.41

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D
Date : 26-APR-2012 11:32
Client ID: BSCCV1
Instrument: smsd03.i
Sample Info: 45936
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2123



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

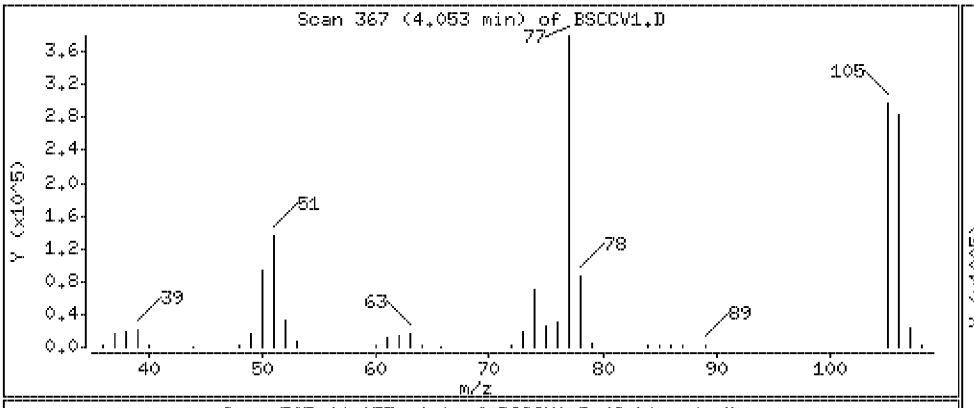
Operator: PEL

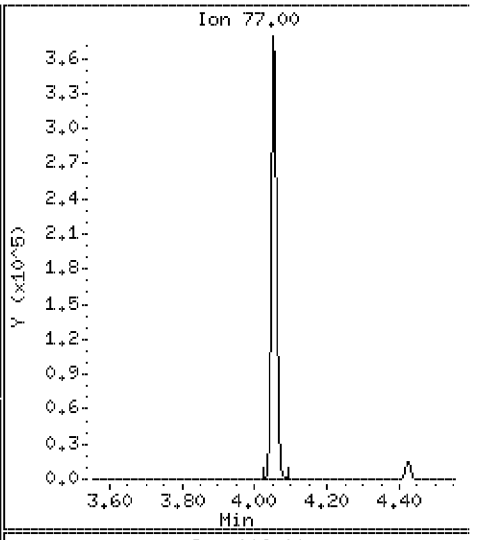
Column phase: HPMS-5

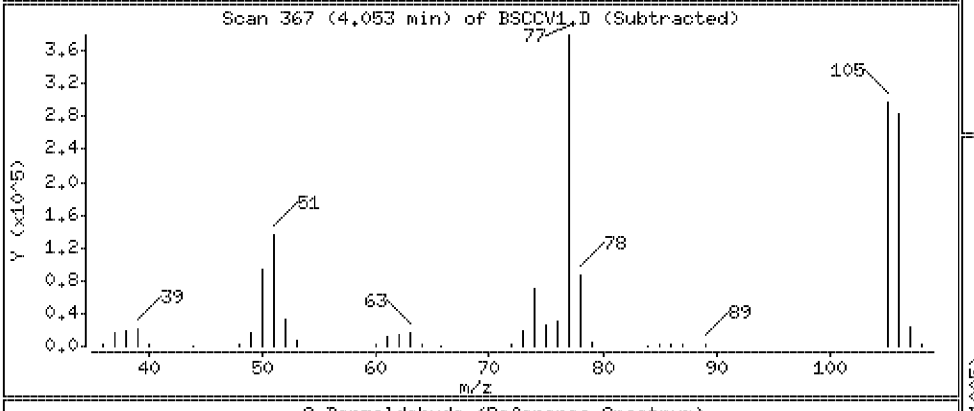
Column diameter: 0.25

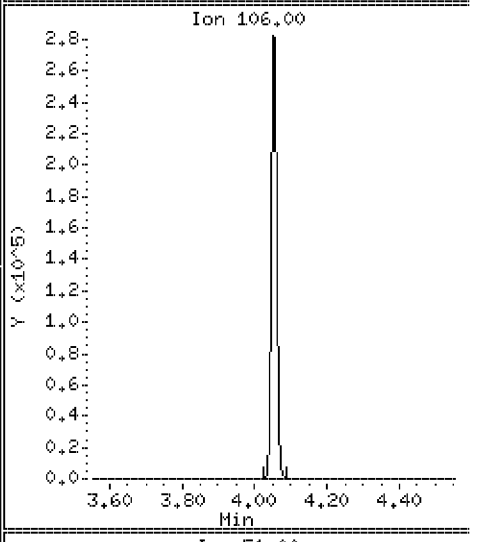
9 Benzaldehyde

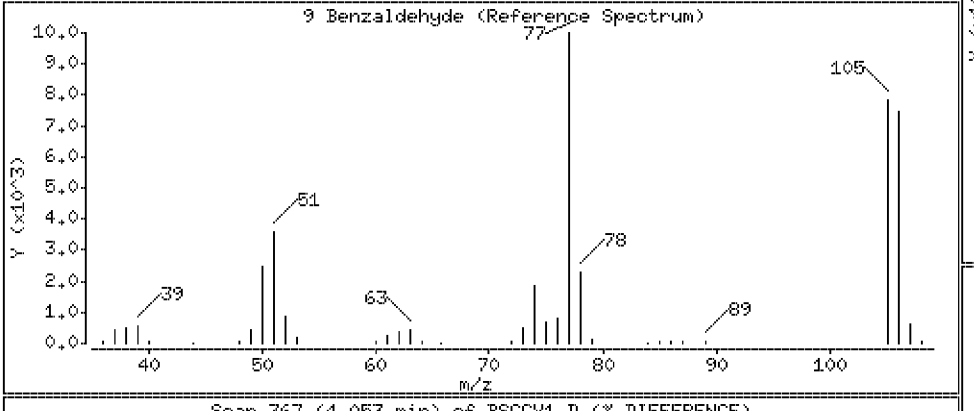
Concentration: 47.6 ug/l

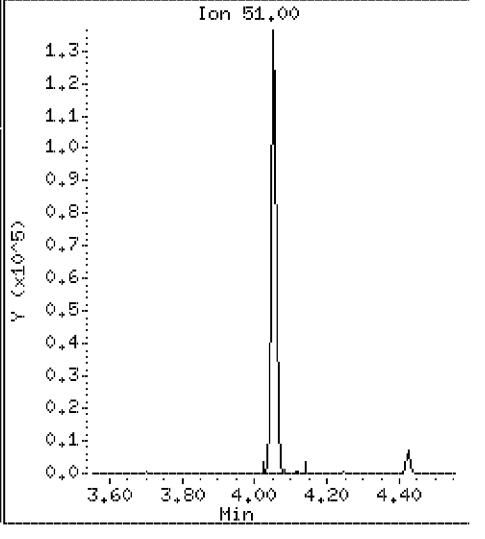


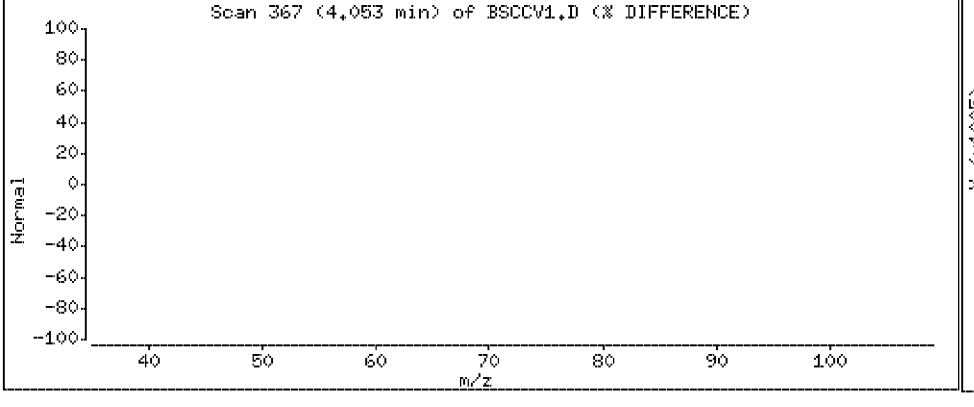












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

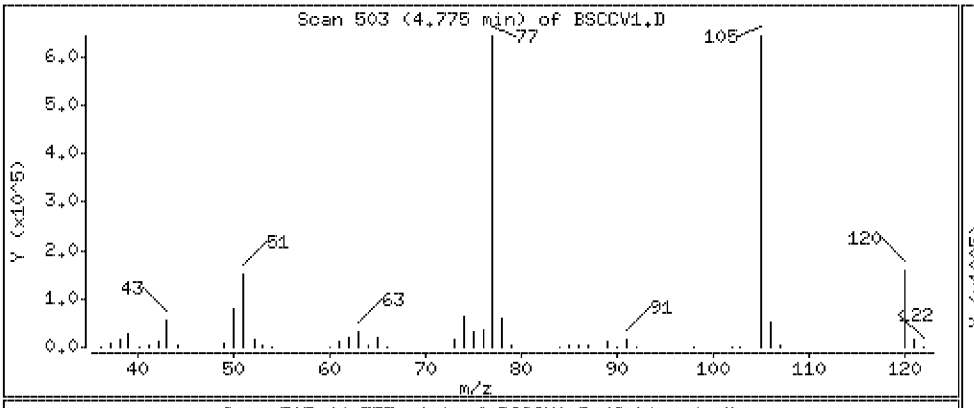
Operator: PEL

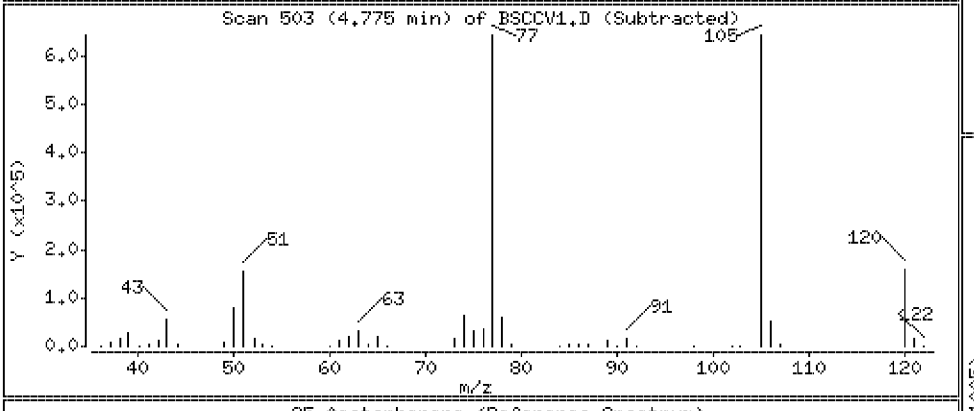
Column phase: HPMS-5

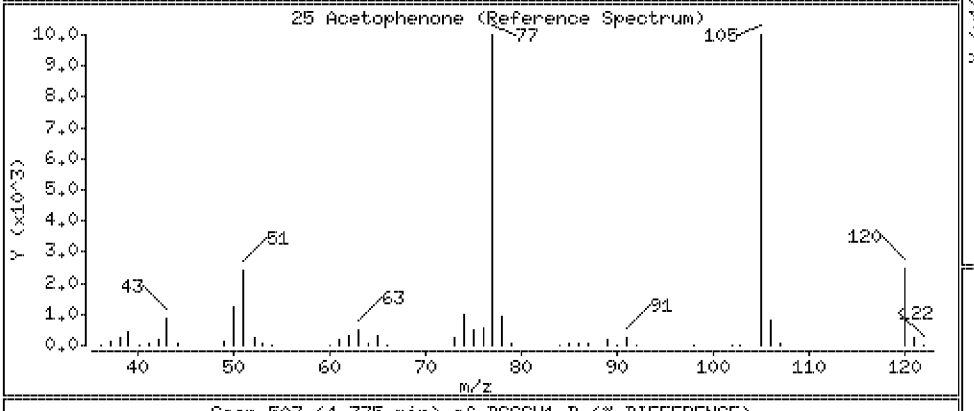
Column diameter: 0.25

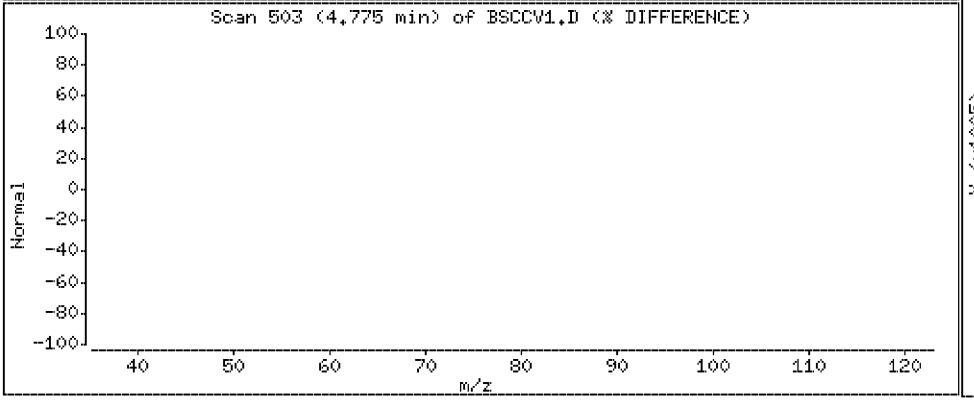
25 Acetophenone

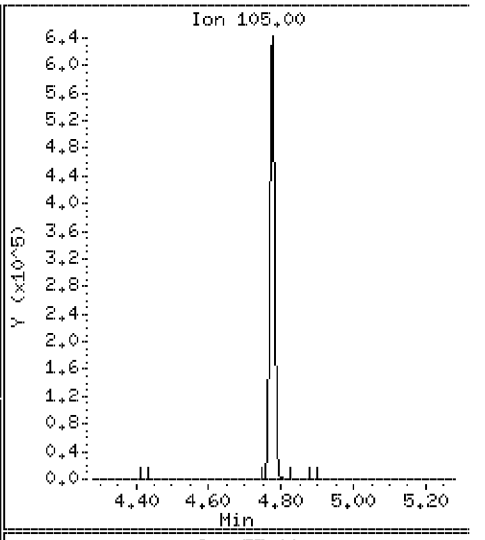
Concentration: 46.3 ug/l

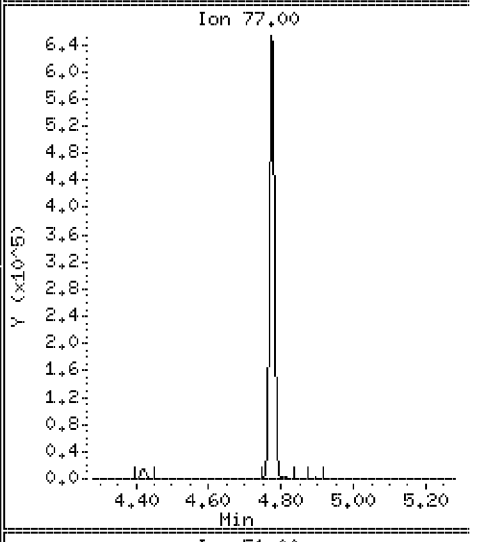


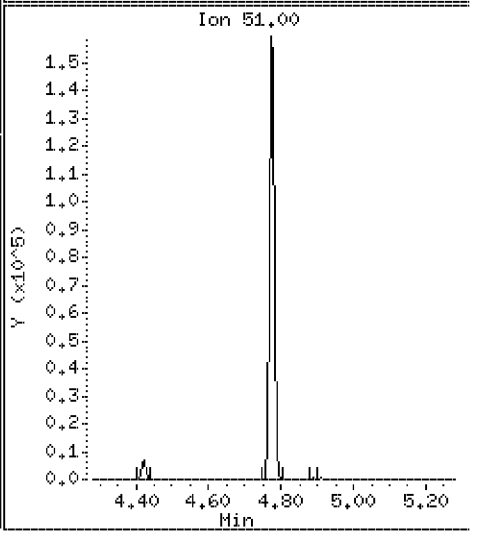












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

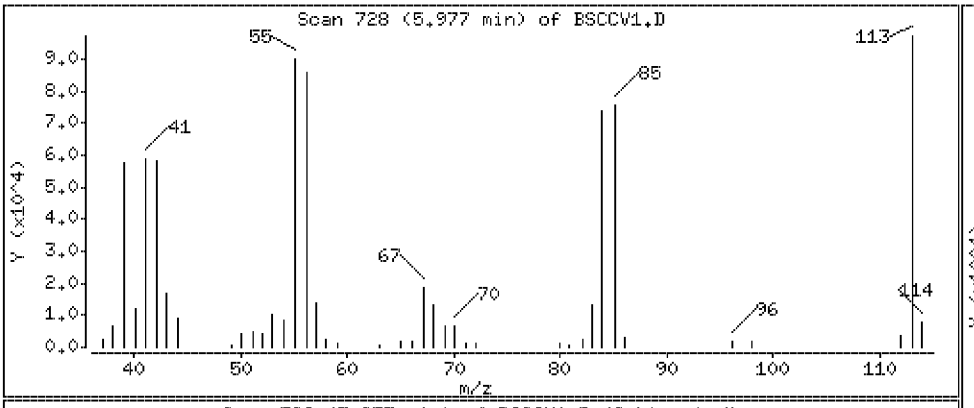
Operator: PEL

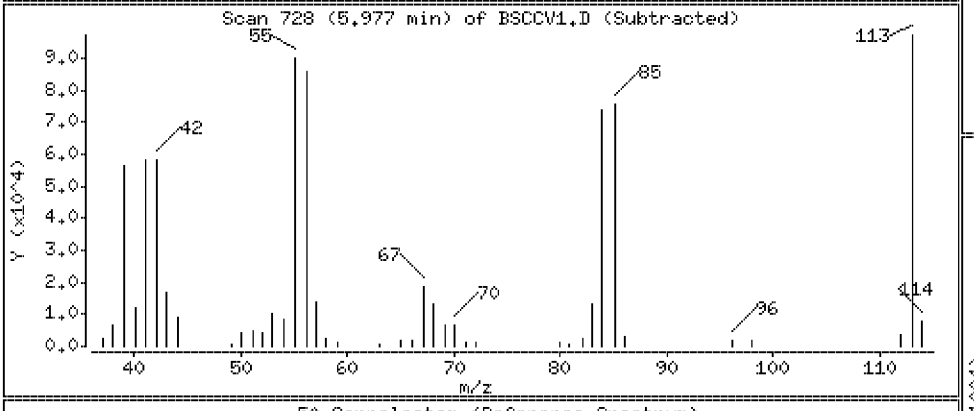
Column phase: HPMS-5

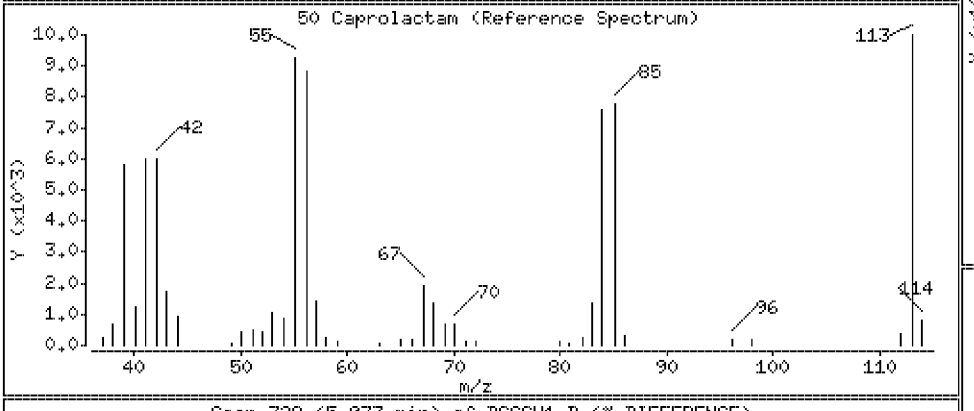
Column diameter: 0.25

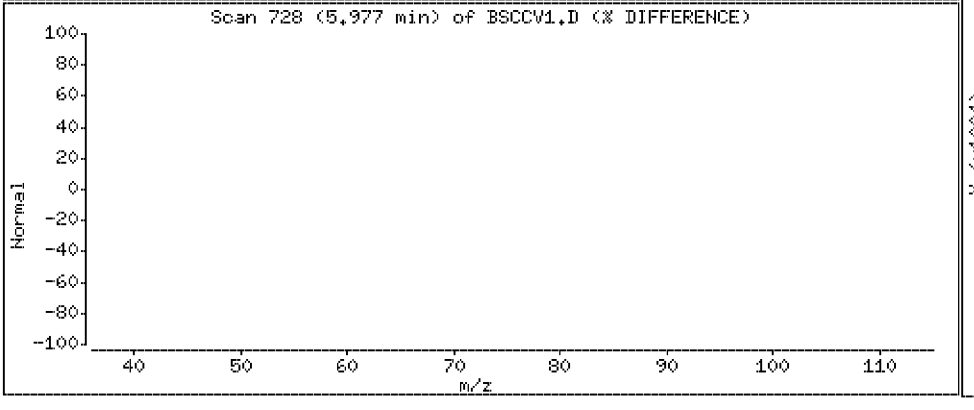
50 Caprolactam

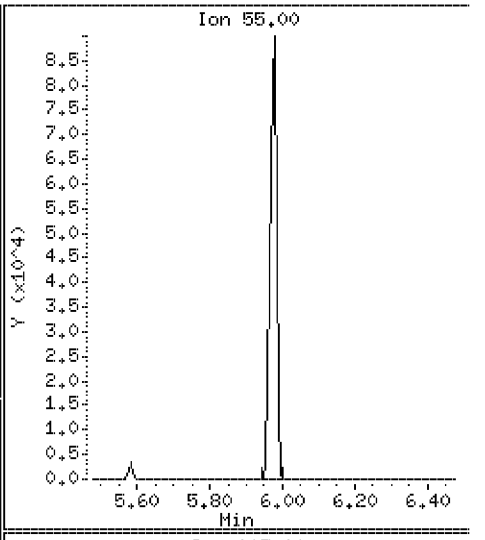
Concentration: 46.1 ug/l

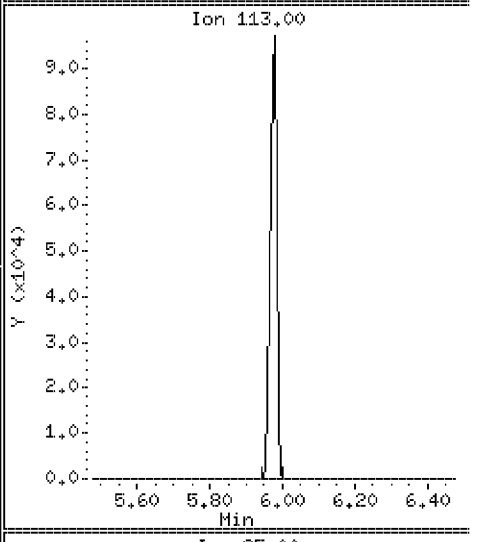


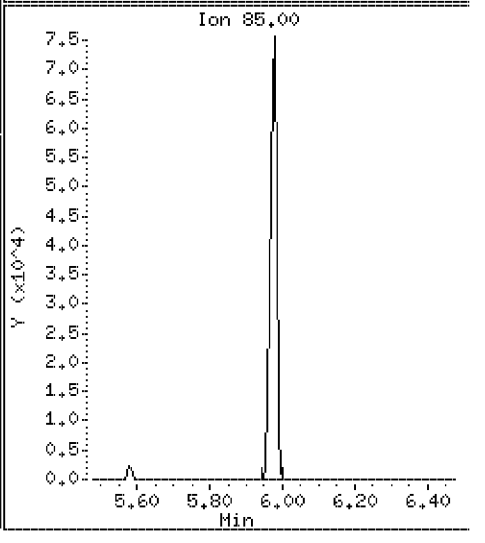












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

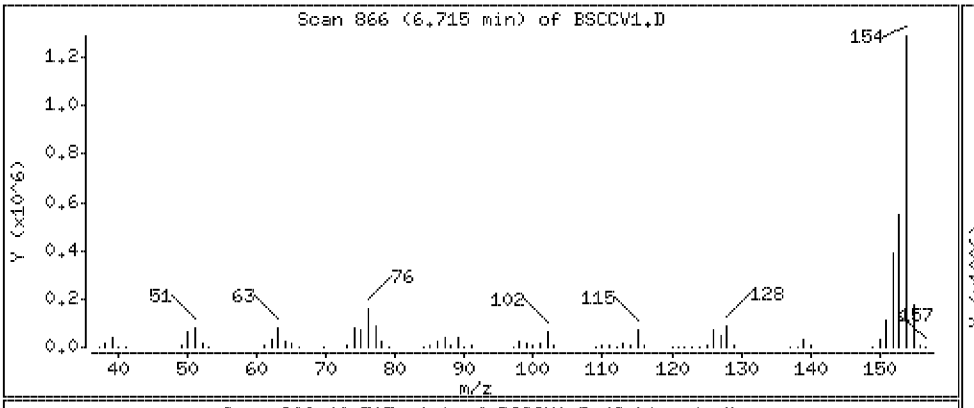
Operator: PEL

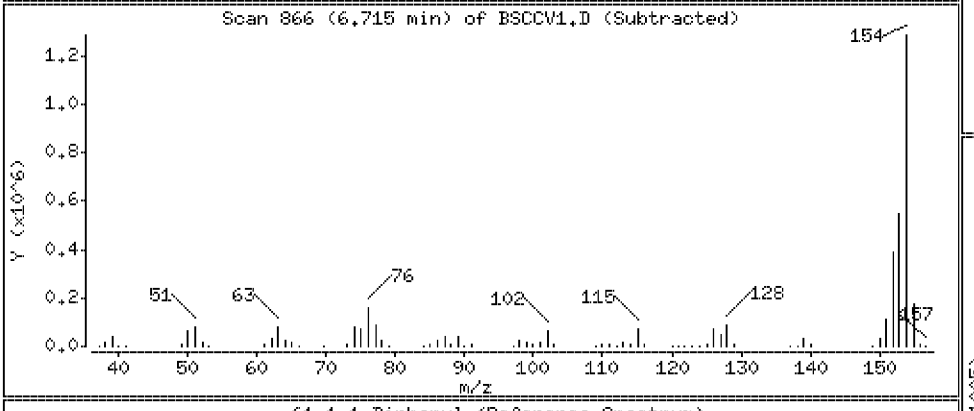
Column phase: HPMS-5

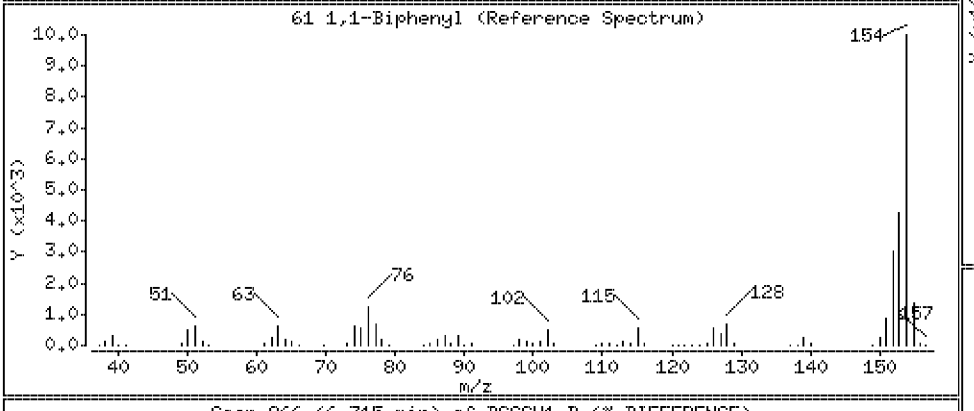
Column diameter: 0.25

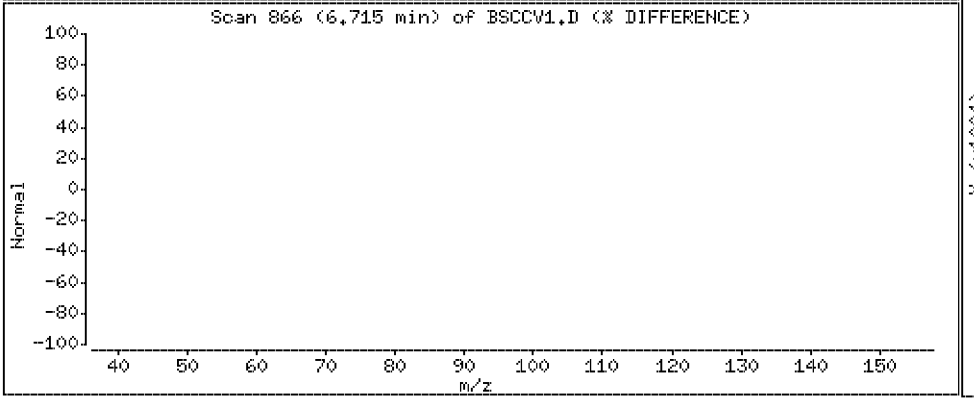
61 1,1-Biphenyl

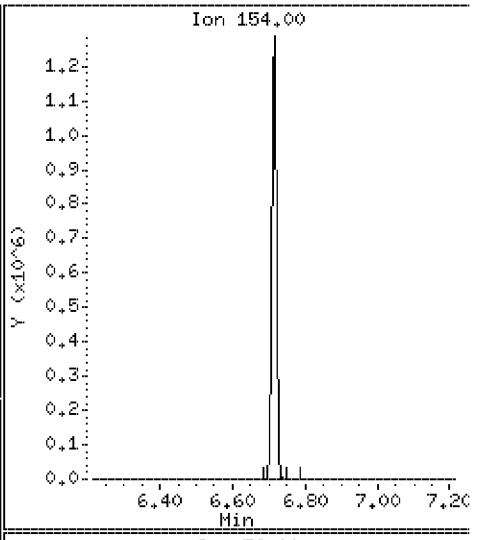
Concentration: 46.4 ug/l

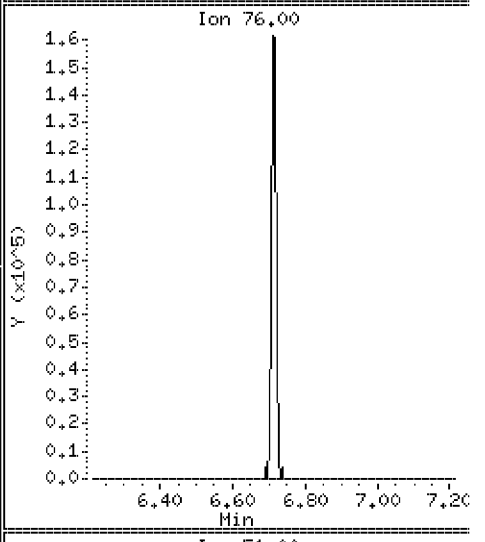


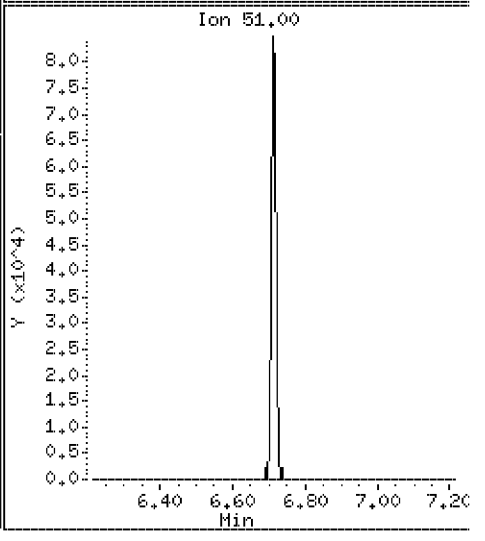












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

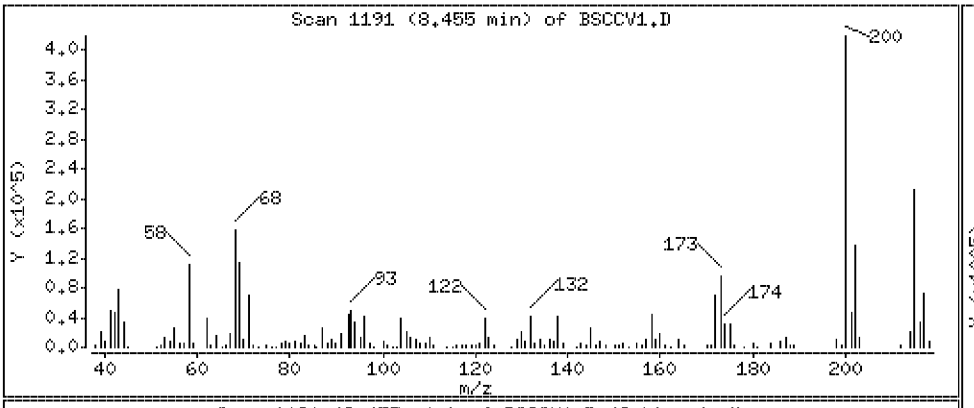
Operator: PEL

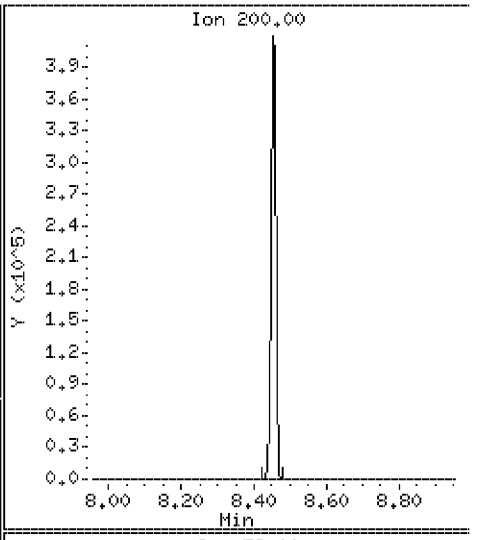
Column phase: HPMS-5

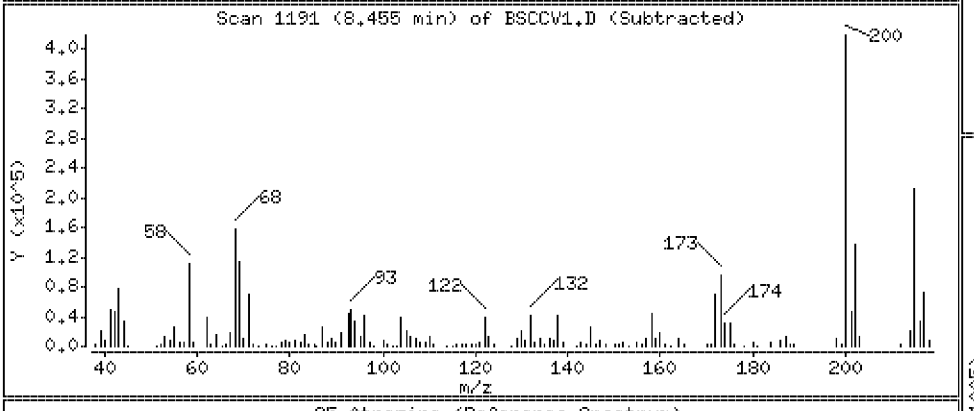
Column diameter: 0.25

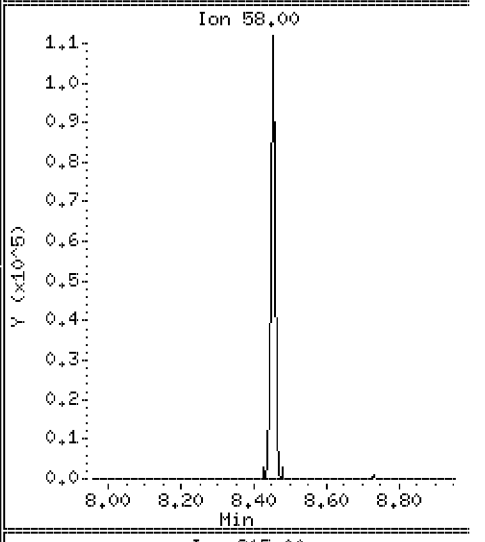
95 Atrazine

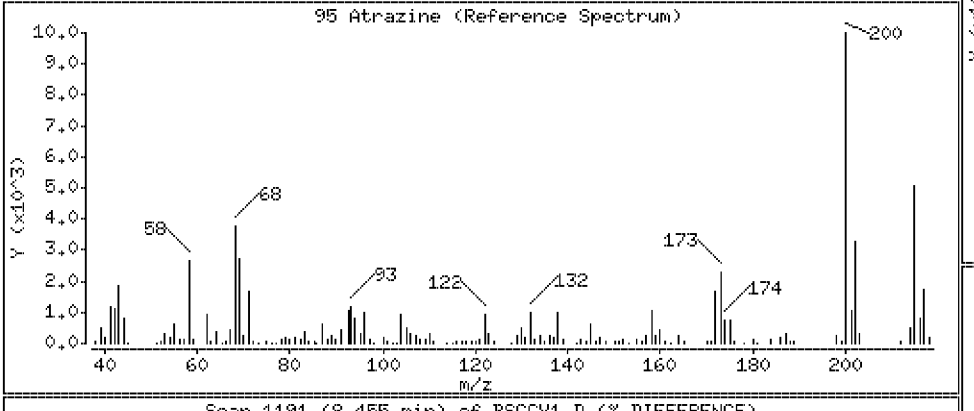
Concentration: 46.8 ug/l

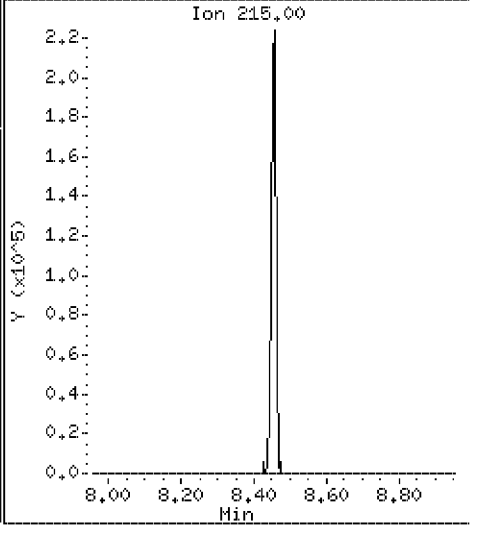


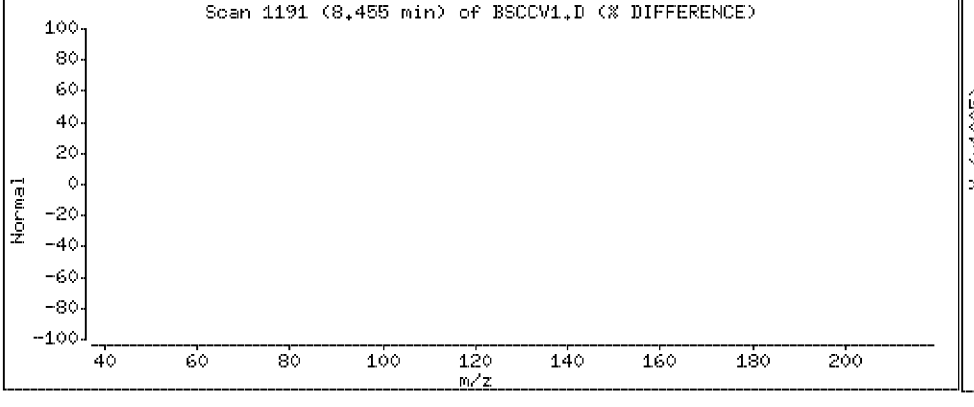












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\BSCCV1.D

Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

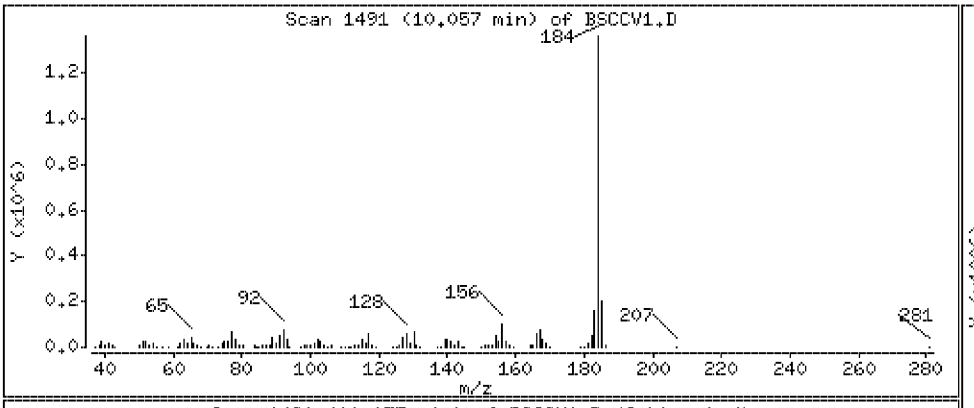
Operator: PEL

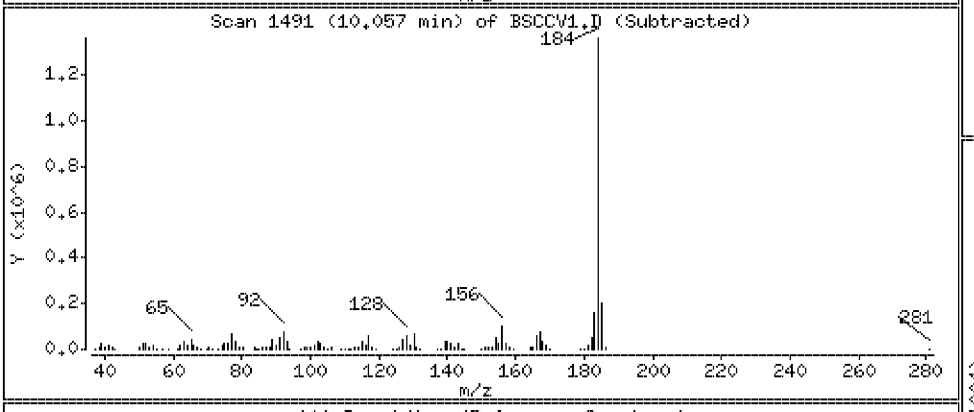
Column phase: HPMS-5

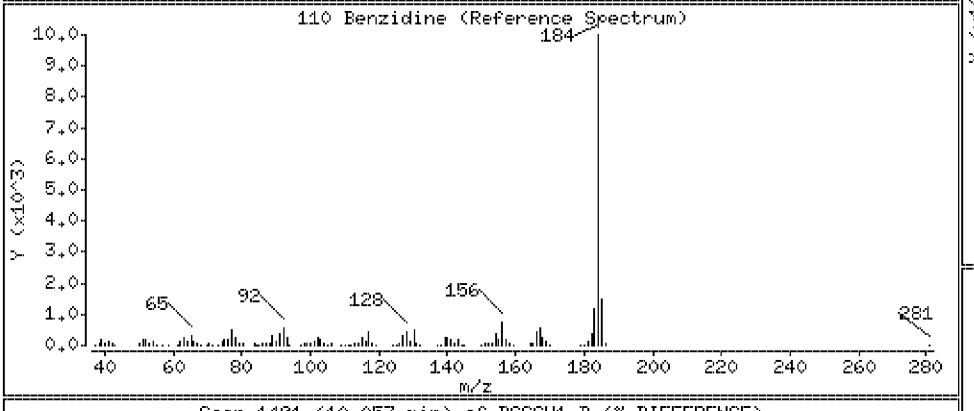
Column diameter: 0.25

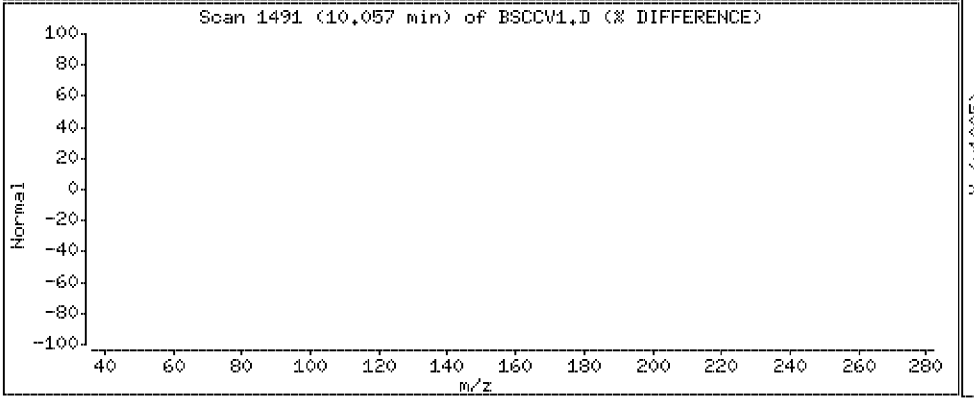
110 Benzidine

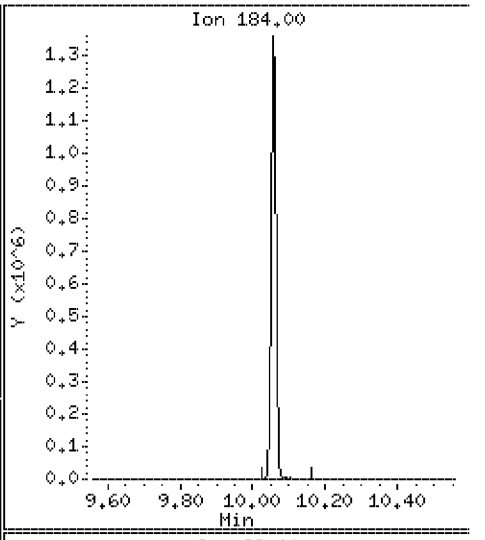
Concentration: 48.9 ug/l

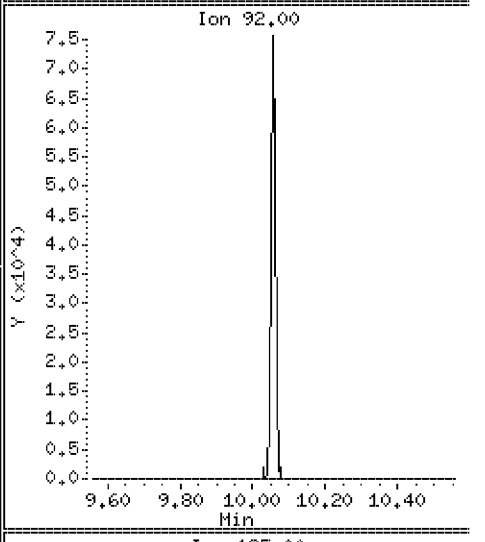


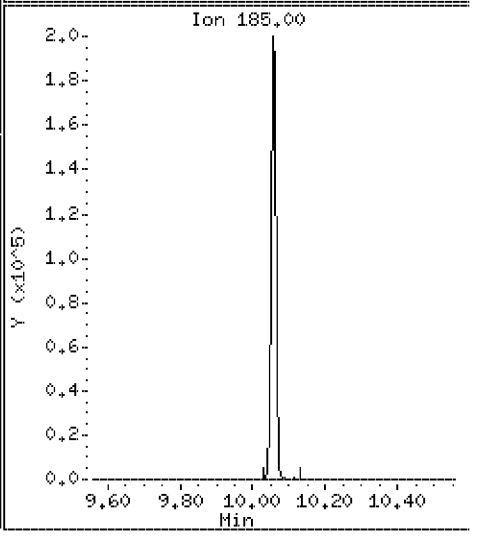












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Date : 26-APR-2012 11:32

Client ID: BSCCV1

Instrument: smsd03.i

Sample Info: 45936

Purge Volume: 1000.0

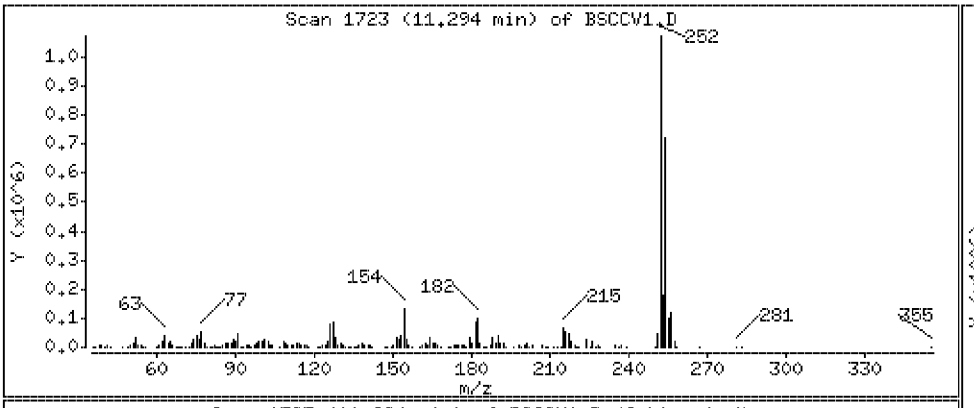
Operator: PEL

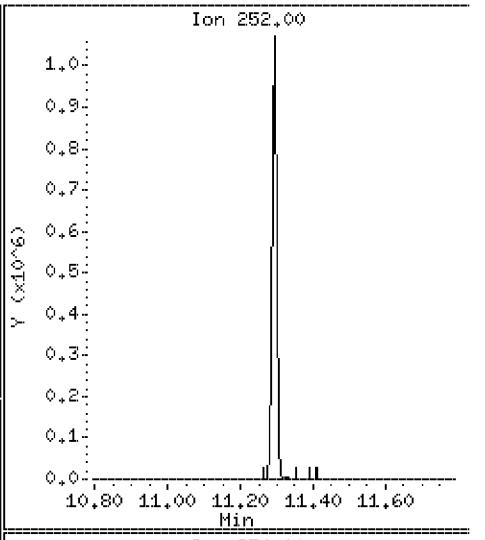
Column phase: HPMS-5

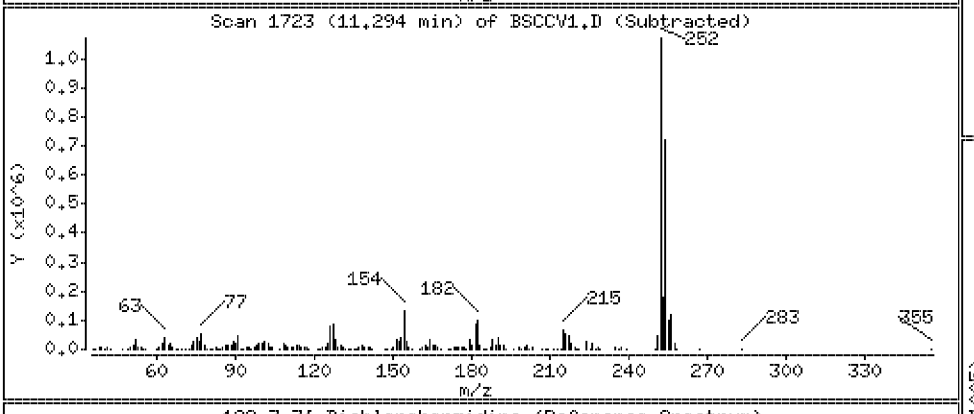
Column diameter: 0.25

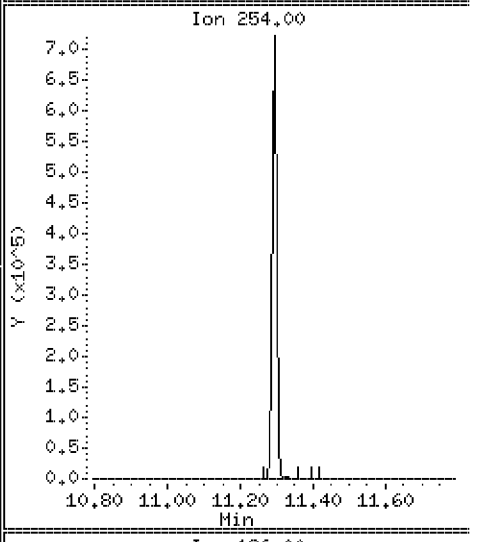
122 3,3'-Dichlorobenzidine

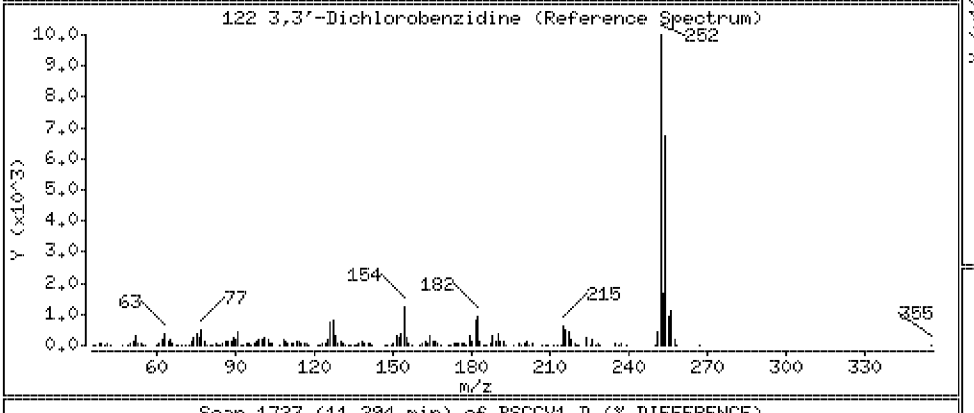
Concentration: 47.8 ug/l

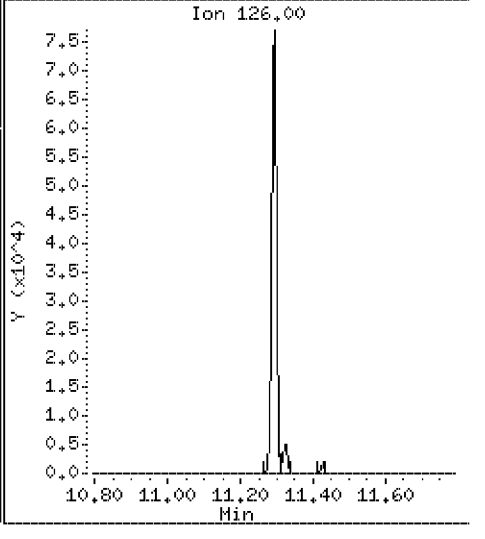


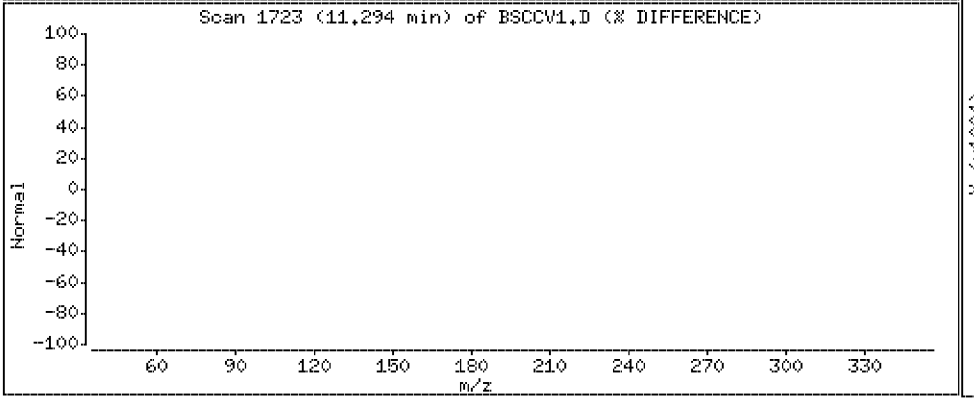












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D
Lab Smp Id: 45958 Client Smp ID: AP9CCV1
Inj Date : 26-APR-2012 11:55 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : 45958
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ap9cal.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: SVECD04

Concentration Formula: Amt * DF * (1/(Vo/1000))*Vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.910	2.910 (0.658)	93	448649	45.0000		43.8	80.00- 120.00	100.00
2.910	2.910 (0.658)	66	228174				20.86- 80.86	50.86
2.910	2.910 (0.658)	92	118175				0.00- 56.34	26.34
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
2.987	2.987 (0.675)	88	201298	45.0000		46.1	80.00- 120.00	100.00
2.986	2.987 (0.675)	43	95399				17.39- 77.39	47.39
2.987	2.987 (0.675)	42	197532				68.13- 128.13	98.13
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.220	3.220 (0.728)	80	317591	45.0000		44.0	80.00- 120.00	100.00
3.220	3.220 (0.728)	79	185632				28.45- 88.45	58.45
3.220	3.220 (0.728)	65	86041				0.00- 57.09	27.09
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.531	3.531 (0.798)	102	198020	45.0000		45.7	80.00- 120.00	100.00
3.530	3.531 (0.798)	42	135305				38.33- 98.33	68.33
3.530	3.531 (0.798)	57	81817				11.32- 71.32	41.32
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.768	3.768 (0.852)	79	335242	45.0000		44.7	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.768	3.768	(0.852)	109	176289			22.59- 82.59	52.59
3.767	3.768	(0.852)	97	61474			0.00- 48.34	18.34
	12 Pentachloroethane					CAS #: 76-01-7		
4.184	4.184	(0.946)	167	197146	45.0000	46.1	80.00- 120.00	100.00
4.183	4.184	(0.946)	117	141223			41.63- 101.63	71.63
4.184	4.184	(0.946)	130	85293			13.26- 73.26	43.26
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	279910	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	177424			33.39- 93.39	63.39
4.423	4.423	(1.000)	150	424133			121.52- 181.52	151.52
	24 N-Nitrosopyrrolidine					CAS #: 930-55-2		
4.763	4.763	(1.077)	100	215913	45.0000	47.3	80.00- 120.00	100.00
4.762	4.763	(1.077)	41	139153			34.45- 94.45	64.45
4.763	4.763	(1.077)	42	121582			26.31- 86.31	56.31
	25 Acetophenone					CAS #: 98-86-2		
4.778	4.778	(0.856)	105	613020	45.0000	43.2	80.00- 120.00	100.00
4.777	4.778	(0.856)	77	610381			69.57- 129.57	99.57
4.777	4.778	(0.856)	51	149880			0.00- 54.45	24.45
	27 N-Nitrosomorpholine					CAS #: 59-89-2		
4.794	4.794	(1.084)	56	219935	45.0000	47.0	80.00- 120.00	100.00
4.794	4.794	(1.084)	116	79897			6.33- 66.33	36.33
4.794	4.794	(1.084)	86	153478			39.78- 99.78	69.78
	29 o-Toluidine					CAS #: 95-53-4		
4.812	4.812	(1.088)	106	676876	45.0000	45.5	80.00- 120.00	100.00
4.812	4.812	(1.088)	77	166689			0.00- 54.63	24.63
4.812	4.812	(1.088)	107	498296			43.62- 103.62	73.62
	33 N-Nitrosopiperidine					CAS #: 100-75-4		
5.072	5.072	(0.908)	114	186589	45.0000	45.5	80.00- 120.00	100.00
5.071	5.072	(0.908)	42	211674			83.44- 143.44	113.44
5.071	5.072	(0.908)	55	114149			31.18- 91.18	61.18
	37 o,o,o-Triethylphosphorothioate					CAS #: 126-68-1		
5.314	5.314	(1.201)	198	312032	45.0000	46.4	80.00- 120.00	100.00
5.313	5.314	(1.201)	97	203203			35.12- 95.12	65.12
5.313	5.314	(1.201)	65	164371			22.68- 82.68	52.68
	39 a,a-Dimethylphenethylamine					CAS #: 122-09-8		
5.414	5.414	(0.970)	58	717750	45.0000	50.0	80.00- 120.00	100.00(M)
5.418	5.414	(0.970)	91	245820			4.25- 64.25	34.25
5.418	5.414	(0.970)	65	135946			0.00- 48.94	18.94
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.583	5.583	(1.000)	136	942807	40.0000		80.00- 120.00	100.00
5.582	5.583	(1.000)	68	50119			0.00- 35.32	5.32

	RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	46 2,6-Dichlorophenol						CAS #: 87-65-0		
	5.667	5.667 (1.015)		162	381643	45.0000	48.4	80.00- 120.00	100.00
	5.666	5.667 (1.015)		63	286491			45.07- 105.07	75.07
	5.666	5.667 (1.015)		98	104279			0.00- 57.32	27.32
	47 Hexachloropropene						CAS #: 1888-71-7		
	5.688	5.688 (1.019)		213	472584	45.0000	45.0	80.00- 120.00	100.00
	5.688	5.688 (1.019)		215	304626			34.46- 94.46	64.46
	5.687	5.688 (1.019)		117	96391			0.00- 50.40	20.40
	49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
	5.968	5.968 (1.069)		84	354165	45.0000	46.6	80.00- 120.00	100.00
	5.968	5.968 (1.069)		57	210111			29.33- 89.33	59.33
	5.968	5.968 (1.069)		41	178014			20.26- 80.26	50.26
	52 Isosafrole						CAS #: 120-58-1		
	6.176	6.176 (1.106)		162	359214	45.0000	47.0	80.00- 120.00	100.00
	6.175	6.176 (1.106)		104	260583			42.54- 102.54	72.54
	6.175	6.176 (1.106)		131	172574			18.04- 78.04	48.04
	56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
	6.427	6.427 (0.883)		216	569590	45.0000	45.3	80.00- 120.00	100.00
	6.427	6.427 (0.883)		214	438959			47.07- 107.07	77.07
	6.425	6.427 (0.883)		108	99860			0.00- 47.53	17.53
	60 Safrole						CAS #: 94-59-7		
	6.678	6.678 (1.196)		162	348632	45.0000	48.6	80.00- 120.00	100.00
	6.677	6.678 (1.196)		104	216147			32.00- 92.00	62.00
	6.677	6.678 (1.196)		77	137040			9.31- 69.31	39.31
	64 1,4-Naphthoquinone						CAS #: 130-15-4		
	6.907	6.907 (0.949)		158	348392	45.0000	49.1	80.00- 120.00	100.00
	6.907	6.907 (0.949)		102	306023			57.84- 117.84	87.84
	6.907	6.907 (0.949)		130	160822			16.16- 76.16	46.16
	66 1,3-Dinitrobenzene						CAS #: 99-65-0		
	7.044	7.044 (0.968)		168	173209	45.0000	51.6	80.00- 120.00	100.00
	7.043	7.044 (0.968)		75	218654			96.24- 156.24	126.24
	7.043	7.044 (0.968)		50	119249			38.85- 98.85	68.85
*	70 Acenaphthene-d10						CAS #: 15067-26-2		
	7.278	7.278 (1.000)		164	662905	40.0000		80.00- 120.00	100.00
	7.278	7.278 (1.000)		162	639210			66.43- 126.43	96.43
	7.278	7.278 (1.000)		160	296743			14.76- 74.76	44.76
	73 Pentachlorobenzene						CAS #: 608-93-5		
	7.441	7.441 (1.023)		250	563585	45.0000	46.0	80.00- 120.00	100.00
	7.441	7.441 (1.022)		252	361773			34.19- 94.19	64.19
	7.440	7.441 (1.022)		108	151673			0.00- 56.91	26.91
	77 1-Naphthylamine						CAS #: 134-32-7		
	7.556	7.556 (1.038)		143	555164	45.0000	47.9	80.00- 120.00	100.00
	7.555	7.556 (1.038)		115	309186			25.69- 85.69	55.69

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	77 1-Naphthylamine (continued)							
7.555	7.556	(1.038)	89	66887			0.00- 42.05	12.05
	78 2,3,4,6-Tetrachlorophenol					CAS #: 58-90-2		
7.608	7.608	(1.045)	232	346755	45.0000	51.5	80.00- 120.00	100.00
7.607	7.608	(1.045)	168	88027			0.00- 55.39	25.39
7.607	7.608	(1.045)	131	139532			10.24- 70.24	40.24
	79 2-Naphthylamine					CAS #: 91-59-8		
7.635	7.635	(1.049)	143	715904	45.0000	47.1	80.00- 120.00	100.00
7.635	7.635	(1.049)	115	416115			28.12- 88.12	58.12
7.635	7.635	(1.049)	116	154661			0.00- 51.60	21.60
	83 5-Nitro-ortho-toluidine					CAS #: 99-55-8		
7.831	7.831	(1.076)	152	285297	45.0000	48.3	80.00- 120.00	100.00
7.831	7.831	(1.076)	106	210478			43.78- 103.78	73.77
7.830	7.831	(1.076)	77	364062			97.61- 157.61	127.61
	90 1,3,5-Trinitrobenzene					CAS #: 99-35-4		
8.193	8.193	(1.126)	75	752636	45.0000	46.6	80.00- 120.00	100.00
8.193	8.193	(1.126)	74	480318			33.82- 93.82	63.82
8.194	8.193	(1.126)	213	281302			7.38- 67.38	37.38
	89 Diallate					CAS #: 2303-16-4		
8.208	8.208	(1.128)	86	391057	45.0000	47.5	80.00- 120.00	100.00(M)
8.208	8.208	(1.128)	43	383303			68.02- 128.02	98.02
8.208	8.208	(1.128)	234	264120			37.54- 97.54	67.54
	92 Phenacetin					CAS #: 62-44-2		
8.241	8.241	(0.943)	109	464959	45.0000	47.1	80.00- 120.00	100.00
8.240	8.241	(0.943)	108	524575			82.82- 142.82	112.82
8.241	8.241	(0.944)	179	305932			35.80- 95.80	65.80
	91 p-Phenylenediamine					CAS #: 106-50-3		
8.240	8.240	(0.943)	108	524575	45.0000	48.5	80.00- 120.00	100.00
8.240	8.240	(0.943)	80	148418			0.00- 58.29	28.29
8.240	8.240	(0.943)	53	67646			0.00- 42.90	12.90
	97 Pentachloronitrobenzene					CAS #: 82-68-8		
8.564	8.564	(0.980)	237	234571	45.0000	46.1	80.00- 120.00	100.00
8.564	8.564	(0.980)	295	89655			8.22- 68.22	38.22
8.562	8.564	(0.980)	142	163158			39.56- 99.56	69.56
	98 4-Aminobiphenyl					CAS #: 92-67-1		
8.550	8.550	(0.979)	169	1109298	45.0000	45.3	80.00- 120.00	100.00
8.550	8.550	(0.979)	168	248774			0.00- 52.43	22.43
8.550	8.550	(0.979)	115	138165			0.00- 42.46	12.46
	99 Pronamide					CAS #: 23950-58-5		
8.607	8.607	(0.985)	173	575462	45.0000	47.2	80.00- 120.00	100.00
8.607	8.607	(0.985)	175	368720			34.07- 94.07	64.07
8.607	8.607	(0.985)	145	223777			8.89- 68.89	38.89

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.734	8.734	(1.000)	188	1417561	40.0000		80.00- 120.00	100.00
8.734	8.734	(1.000)	94	87467			0.00- 36.17	6.17
8.733	8.734	(1.000)	80	115684			0.00- 38.16	8.16
102 Dinoseb							CAS #: 88-85-7	
8.728	8.728	(0.999)	211	337979	45.0000	42.1	80.00- 120.00	100.00
8.728	8.728	(0.999)	163	133040			9.36- 69.36	39.36
8.727	8.728	(0.999)	117	74022			0.00- 51.90	21.90
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5	
9.516	9.516	(1.090)	174	12435	45.0000	34.1	80.00- 120.00	100.00
9.516	9.516	(1.090)	128	30857			218.15- 278.15	248.14
9.517	9.516	(1.090)	101	45742			337.85- 397.85	367.84
107 Methapyrilene							CAS #: 91-80-5	
9.583	9.583	(1.097)	97	25579	45.0000	53.9	80.00- 120.00	100.00
9.583	9.583	(1.097)	58	24312			65.05- 125.05	95.05
9.583	9.583	(1.097)	191	4522			0.00- 47.68	17.68
108 Isodrin							CAS #: 465-73-6	
9.774	9.774	(1.119)	193	200943	45.0000	46.5	80.00- 120.00	100.00
9.773	9.774	(1.119)	66	175948			57.56- 117.56	87.56
9.774	9.774	(1.119)	195	164680			51.95- 111.95	81.95
113 Aramite							CAS #: 140-57-8	
10.345	10.345	(0.913)	185	195721	45.0000	45.9	80.00- 120.00	100.00(M)
10.345	10.345	(0.913)	191	100326			21.26- 81.26	51.26
10.270	10.345	(0.907)	319	69010			5.26- 65.26	35.26
114 p-Dimethylamino azobenzene							CAS #: 60-11-7	
10.435	10.435	(0.921)	225	480814	45.0000	45.7	80.00- 120.00	100.00
10.434	10.435	(0.921)	120	453677			64.36- 124.36	94.36
10.433	10.435	(0.921)	77	497951			73.56- 133.56	103.56
115 Chlorobenzilate							CAS #: 510-15-6	
10.478	10.478	(0.925)	251	758982	45.0000	46.7	80.00- 120.00	100.00
10.478	10.478	(0.925)	253	481730			33.47- 93.47	63.47
10.476	10.478	(0.925)	139	678695			59.42- 119.42	89.42
116 Kepone							CAS #: 143-50-0	
10.815	10.815	(0.955)	272	92691	45.0000	33.3	80.00- 120.00	100.00(M)
10.815	10.815	(0.955)	274	77891			54.03- 114.03	84.03
10.815	10.815	(0.955)	237	55366			29.73- 89.73	59.73
117 3,3-Dimethylbenzidine							CAS #: 119-93-7	
10.767	10.767	(0.951)	212	1465328	45.0000	45.9	80.00- 120.00	100.00
10.766	10.767	(0.950)	106	95247			0.00- 36.50	6.50
10.767	10.767	(0.951)	180	114394			0.00- 37.81	7.81
119 2-Acetylaminofluorene							CAS #: 53-96-3	
11.015	11.015	(0.972)	181	878790	45.0000	47.7	80.00- 120.00	100.00
11.015	11.015	(0.972)	223	565615			34.36- 94.36	64.36

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
119 2-Acetylaminofluorene (continued)								
11.015	11.015 (0.972)		180	750561			55.41- 115.41	85.41
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.327	11.327 (1.000)		240	1786859	40.0000		80.00- 120.00	100.00
11.325	11.327 (1.000)		120	92811			0.00- 35.19	5.19
11.327	11.327 (1.000)		236	476331			0.00- 56.66	26.66
126 7,12-Dimethylbenz(a)anthracen							CAS #: 57-97-6	
12.295	12.295 (0.972)		256	1179247	45.0000	46.5	80.00- 120.00	100.00
12.295	12.295 (0.972)		241	667540			26.61- 86.61	56.61
12.295	12.295 (0.972)		239	544658			16.19- 76.19	46.19
* 130 Perylene-d12							CAS #: 1520-96-3	
12.650	12.650 (1.000)		264	1781108	40.0000		80.00- 120.00	100.00
12.650	12.650 (1.000)		260	437313			0.00- 54.55	24.55
12.650	12.650 (1.000)		265	409939			0.00- 53.02	23.02
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.915	12.915 (1.021)		268	1288980	45.0000	45.1	80.00- 120.00	100.00
12.915	12.915 (1.021)		252	567904			14.06- 74.06	44.06
12.914	12.915 (1.021)		253	492457			8.21- 68.21	38.21
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.501	13.501 (1.067)		279	1857793	45.0000	45.2	80.00- 120.00	100.00
13.501	13.501 (1.067)		280	452959			0.00- 54.38	24.38
13.501	13.501 (1.067)		277	287785			0.00- 45.49	15.49

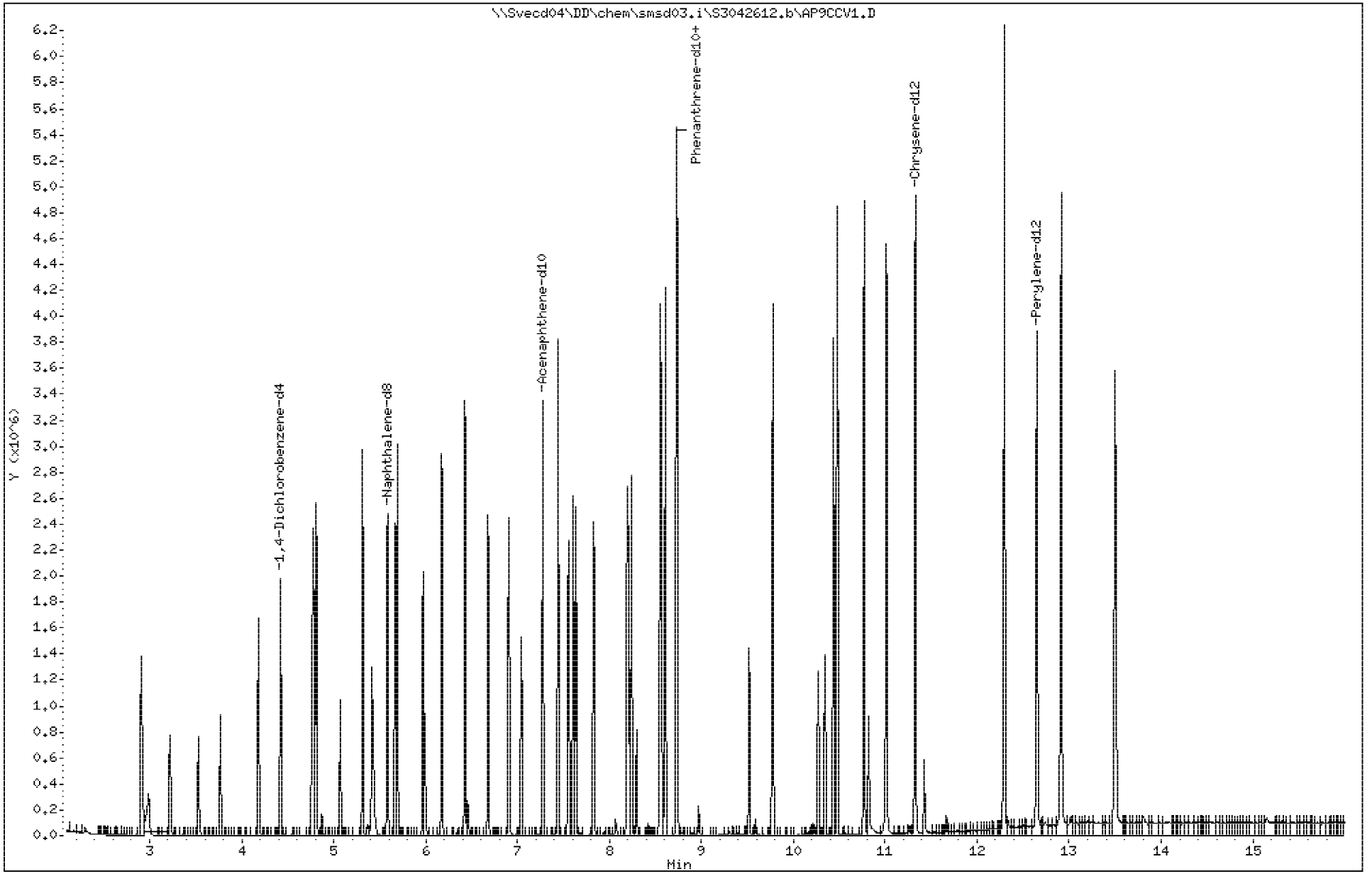
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D
Date : 26-APR-2012 11:55
Client ID: AP9CCV1
Instrument: smsd03.i
Sample Info: 45958
Purge Volume: 1000.0
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2137

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

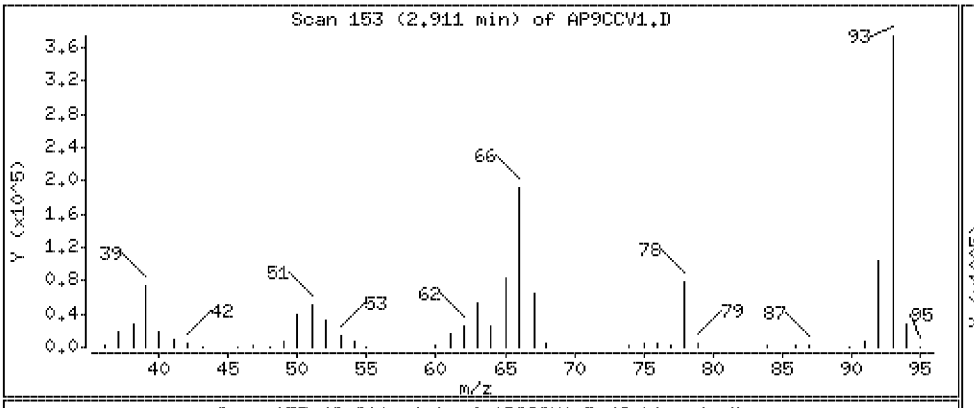
Operator: PEL

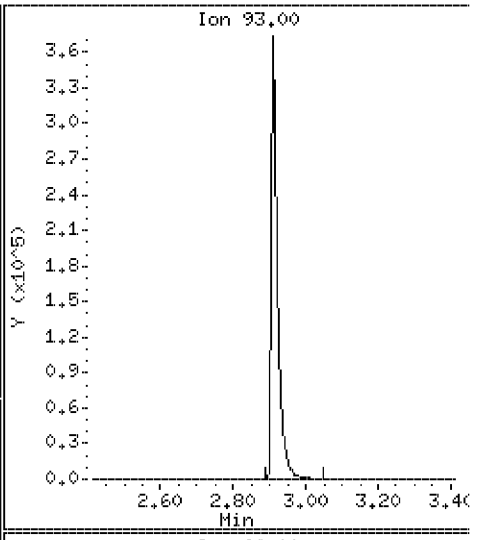
Column phase: HPMS-5

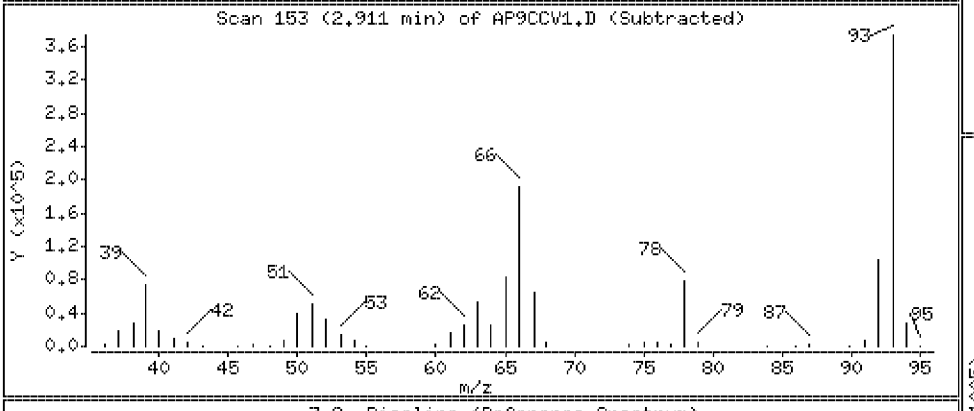
Column diameter: 0.25

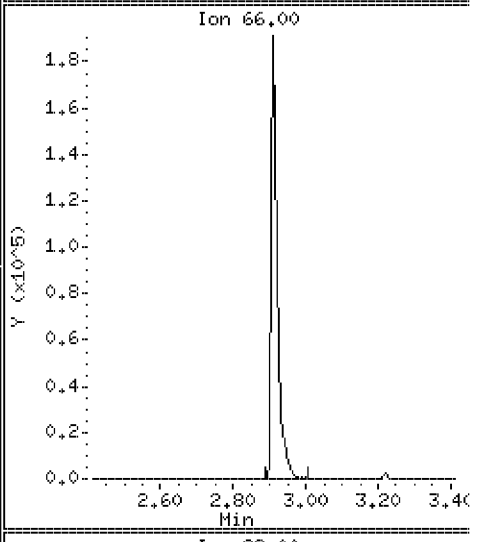
3 2- Picoline

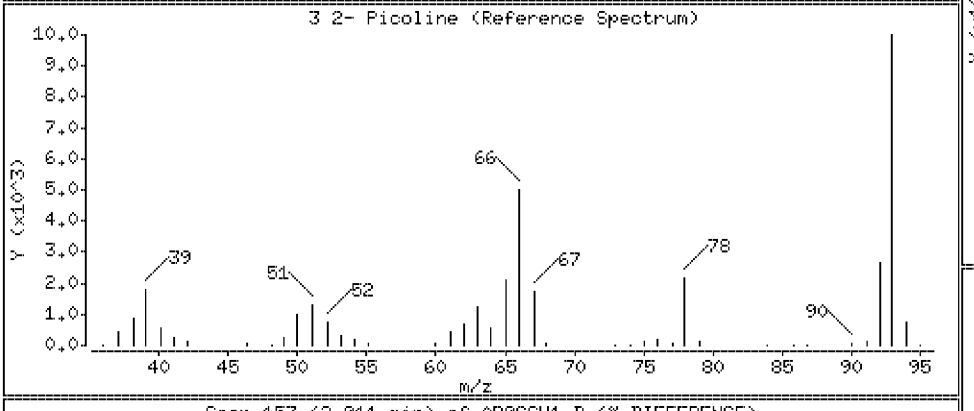
Concentration: 43.8 ug/l

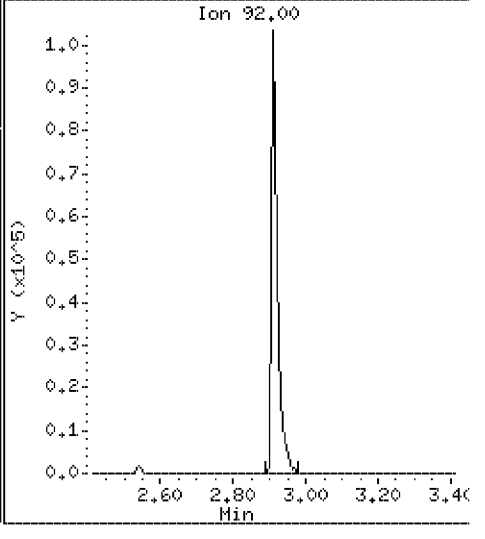


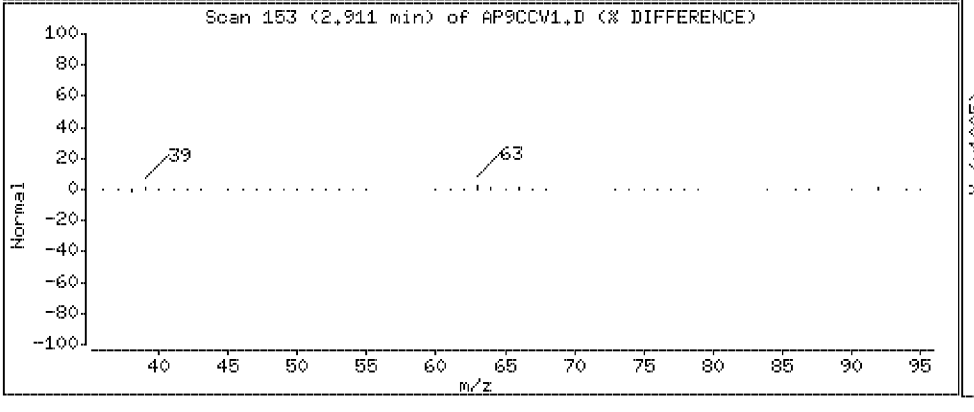












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

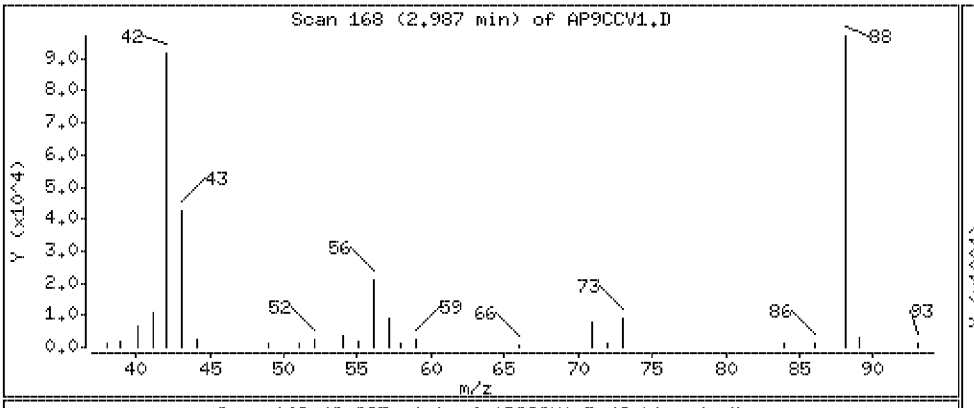
Operator: PEL

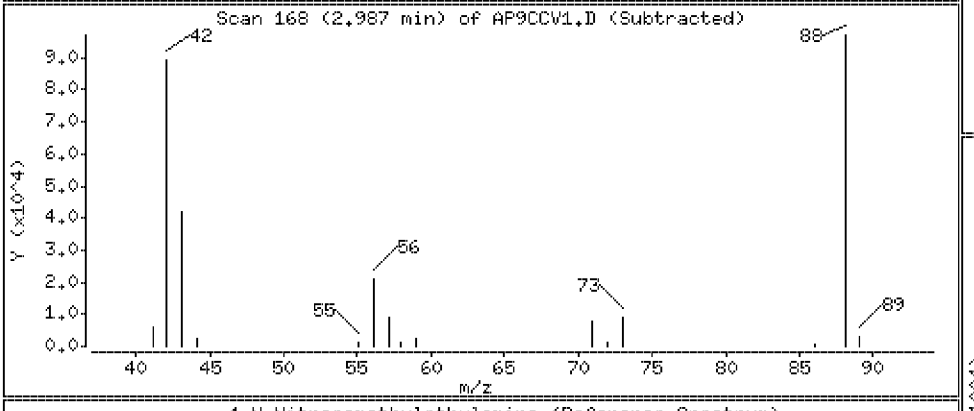
Column phase: HPMS-5

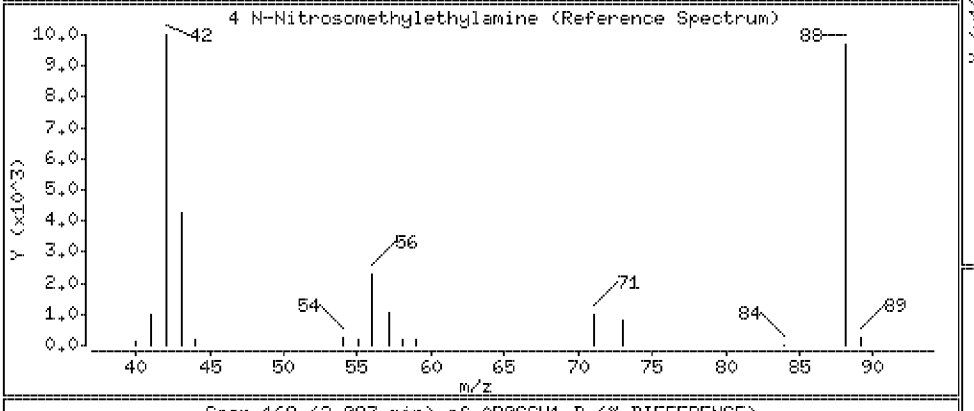
Column diameter: 0.25

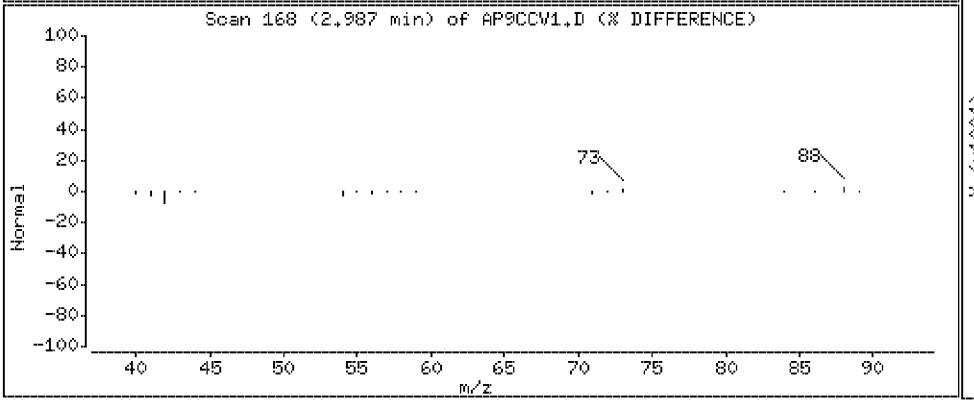
4 N-Nitrosomethylethylamine

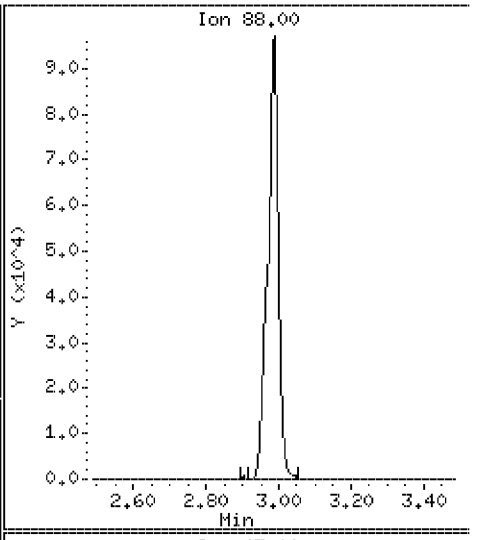
Concentration: 46.1 ug/l

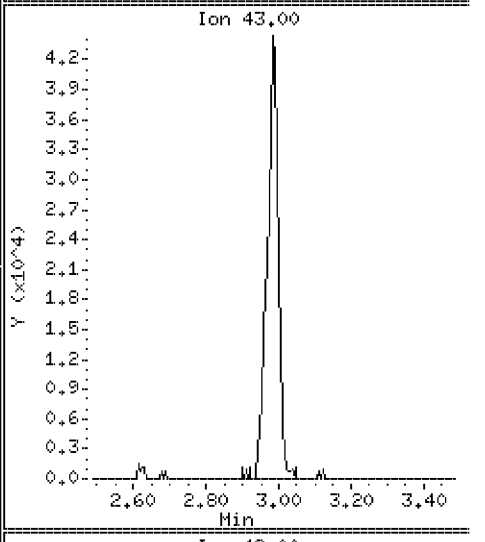


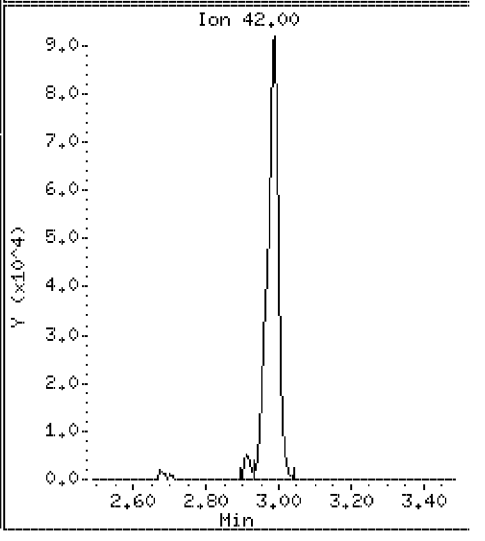












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

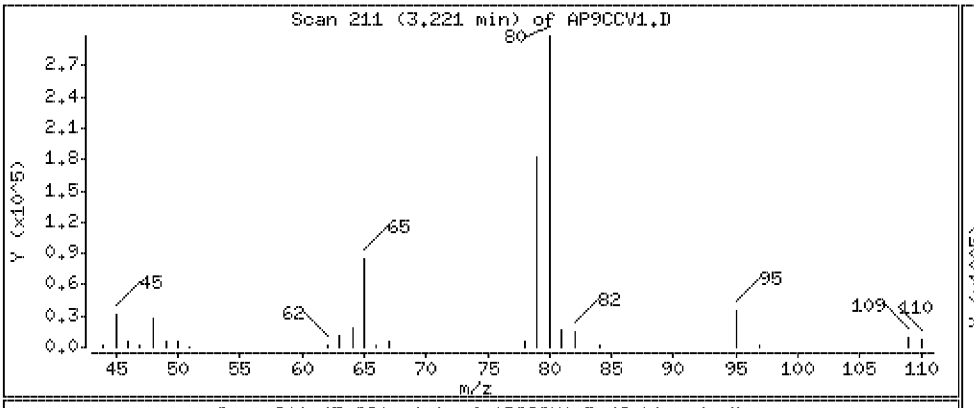
Operator: PEL

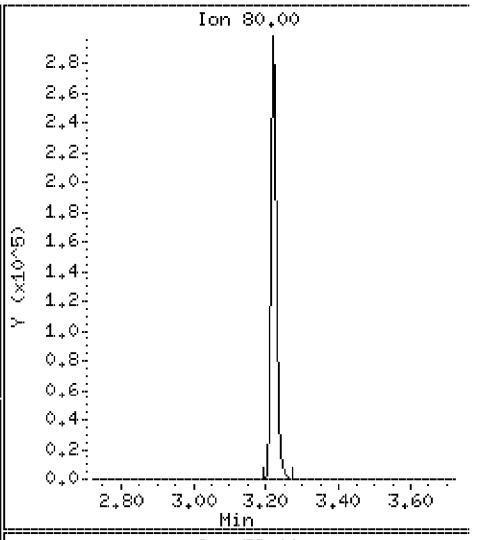
Column phase: HPMS-5

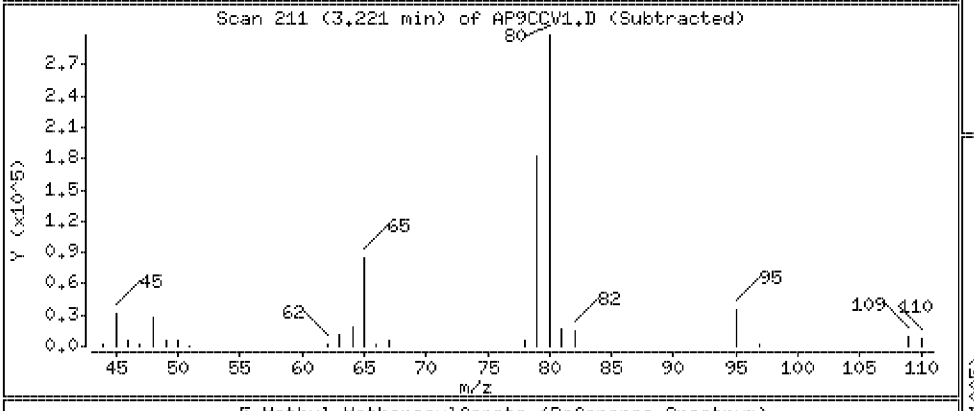
Column diameter: 0.25

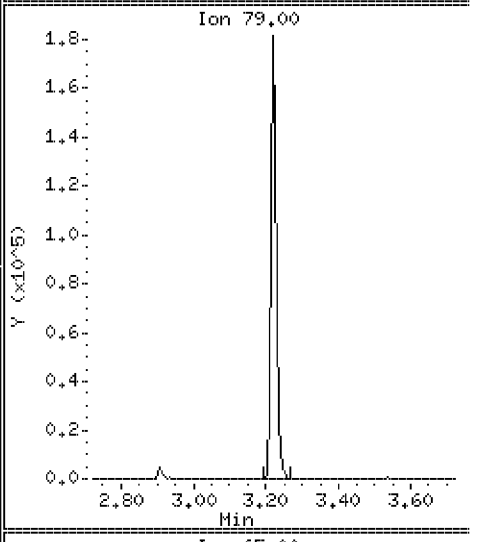
5 Methyl Methanesulfonate

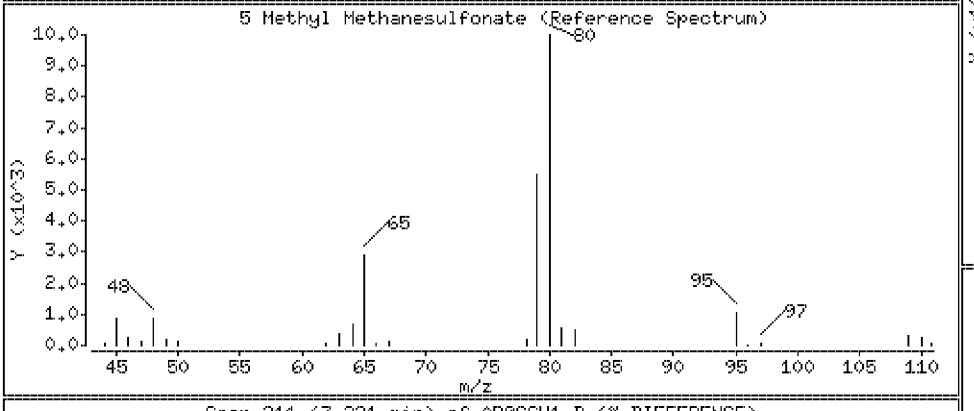
Concentration: 44.0 ug/l

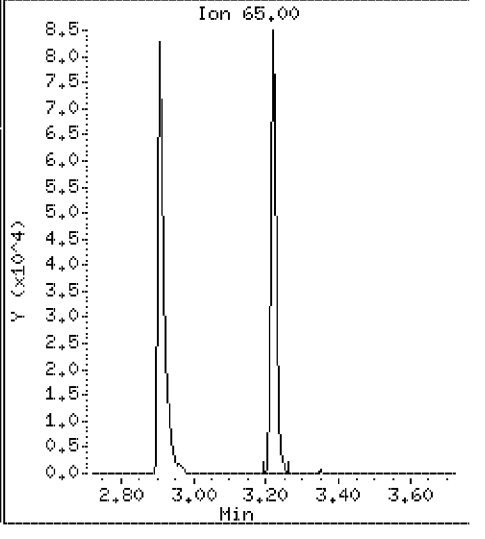


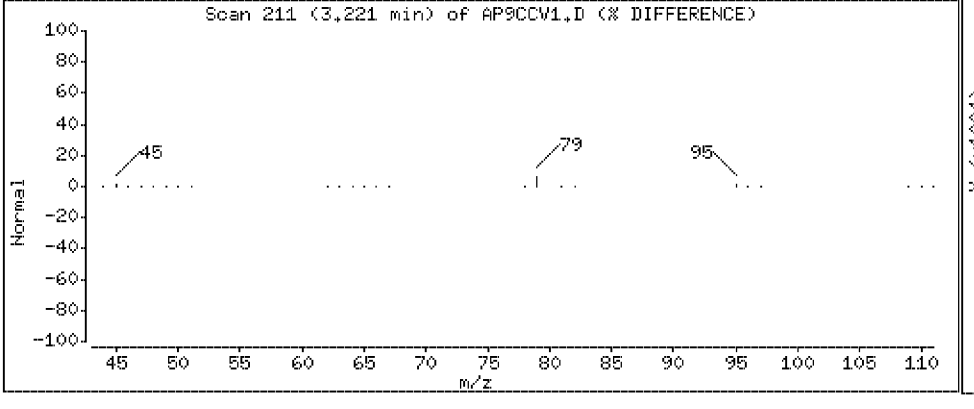












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

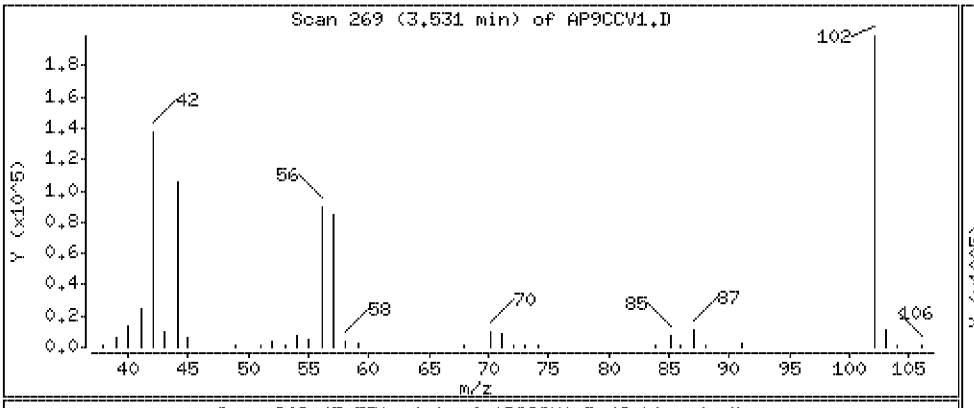
Operator: PEL

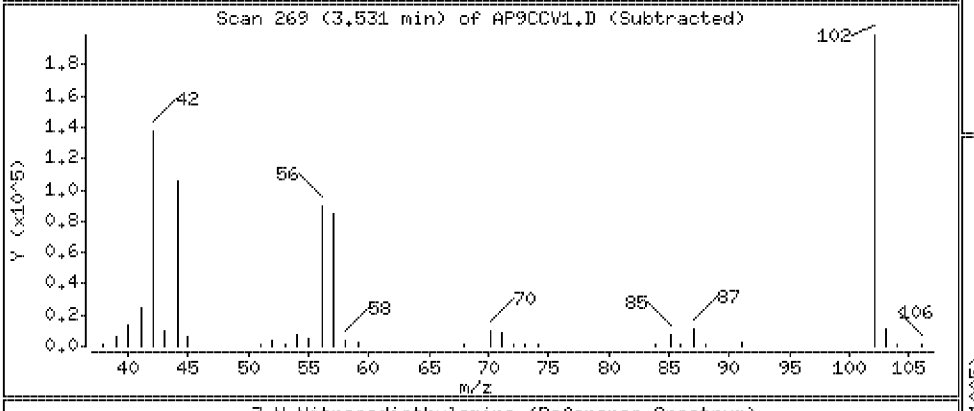
Column phase: HPMS-5

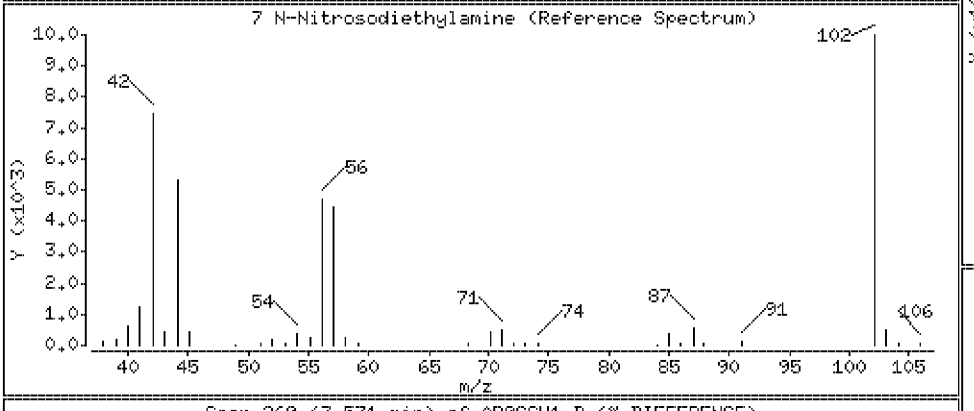
Column diameter: 0.25

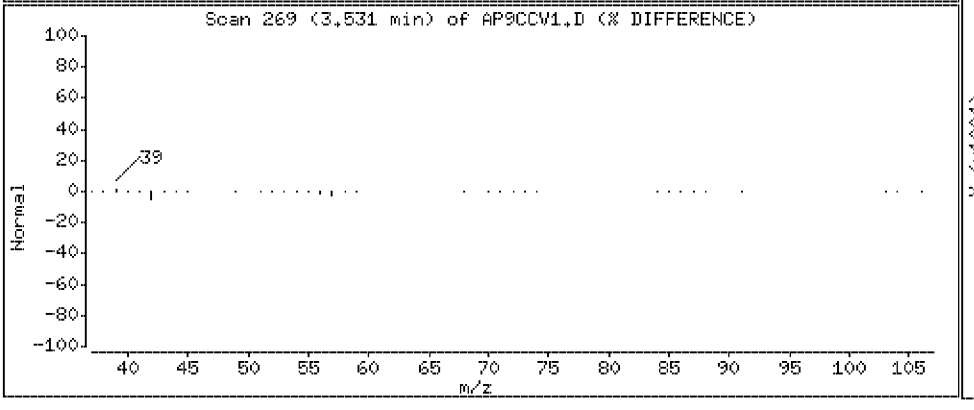
7 N-Nitrosodiethylamine

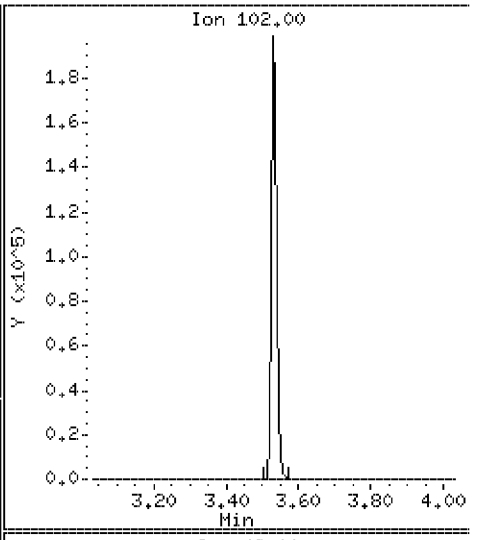
Concentration: 45.7 ug/l

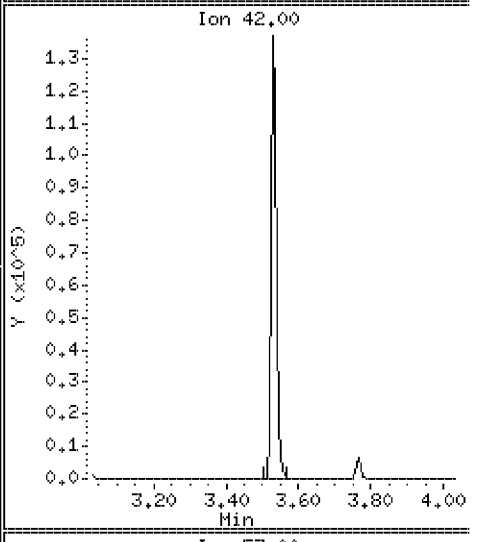


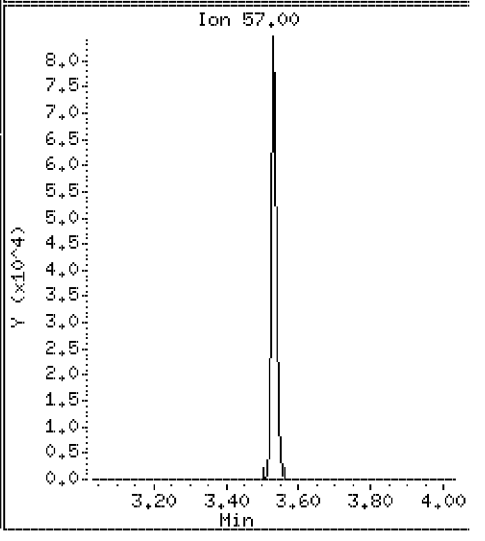












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

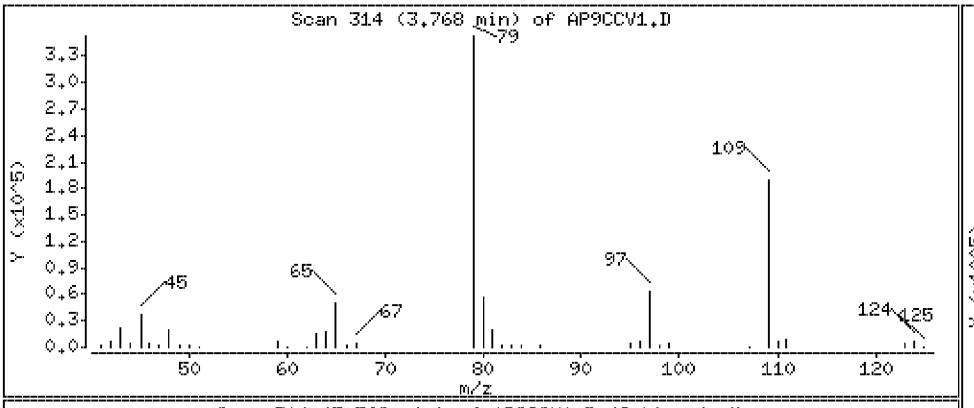
Operator: PEL

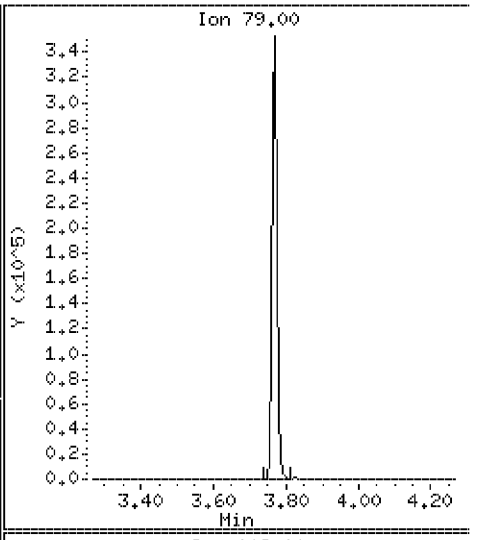
Column phase: HPMS-5

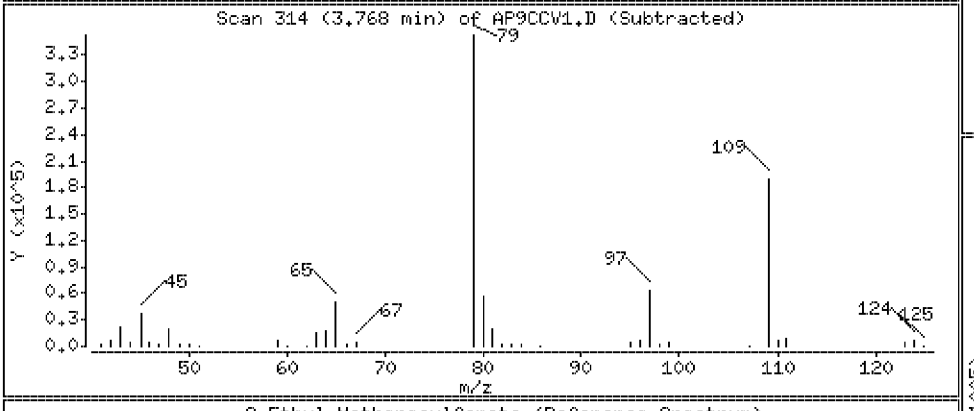
Column diameter: 0.25

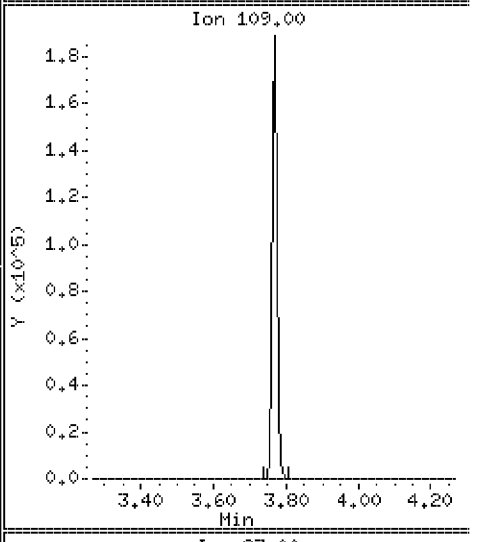
8 Ethyl Methanesulfonate

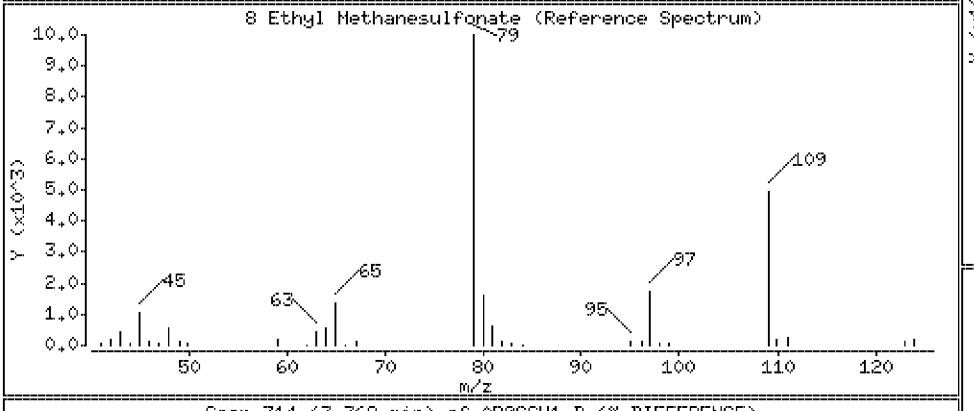
Concentration: 44.7 ug/l

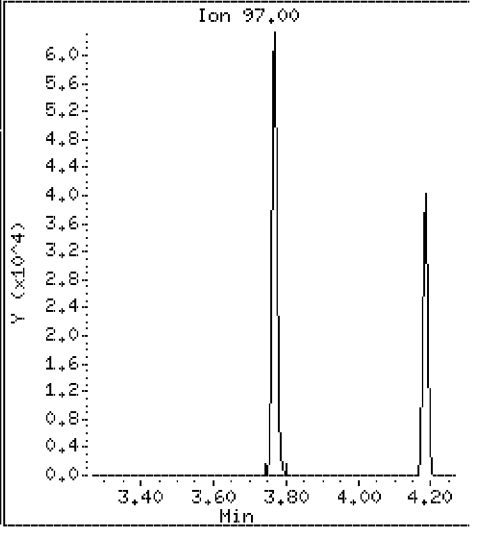


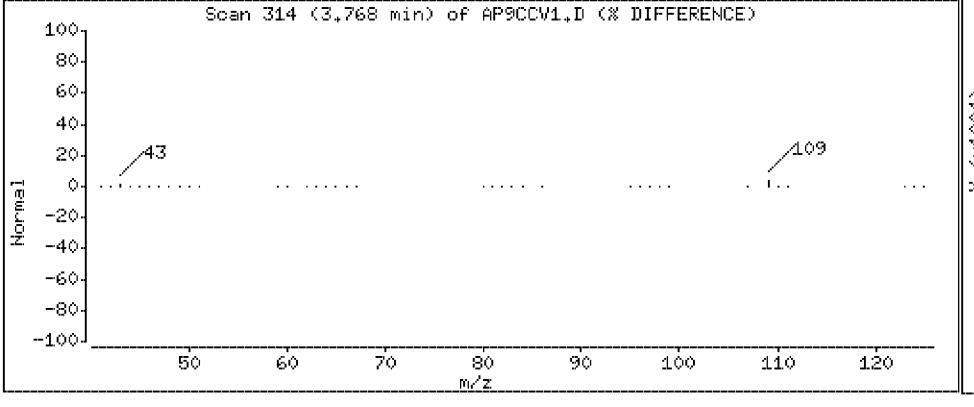












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

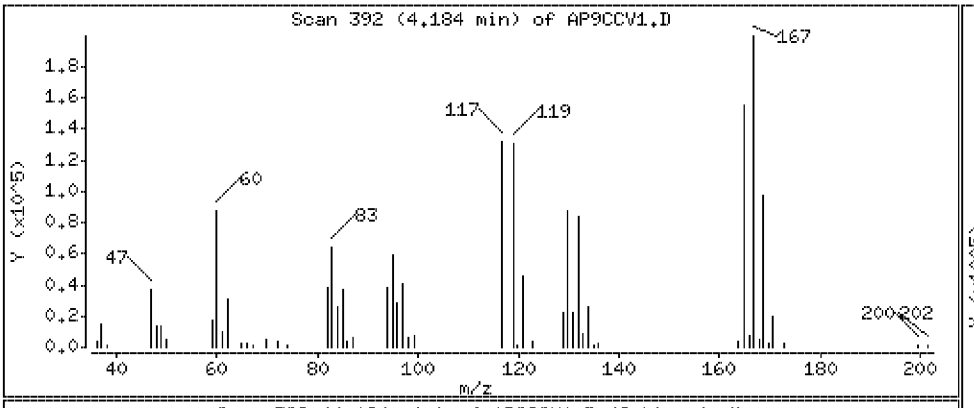
Operator: PEL

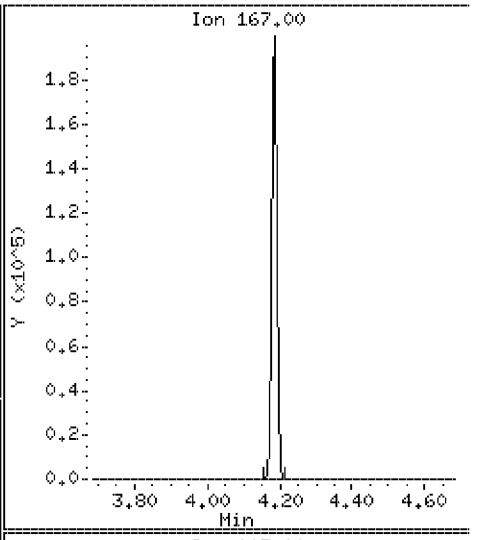
Column phase: HPMS-5

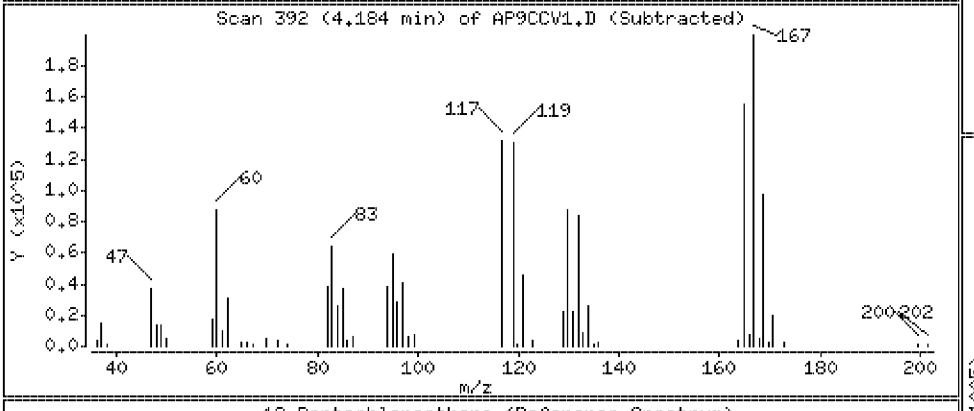
Column diameter: 0.25

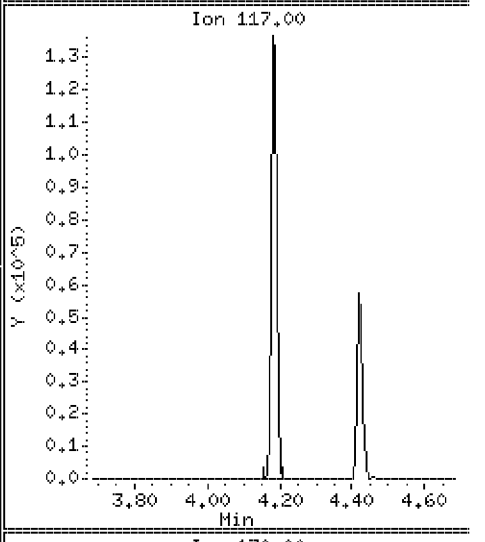
12 Pentachloroethane

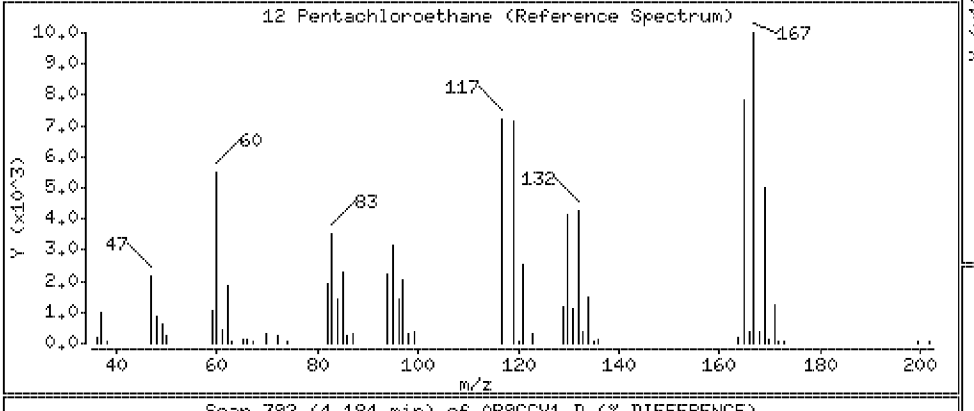
Concentration: 46.1 ug/l

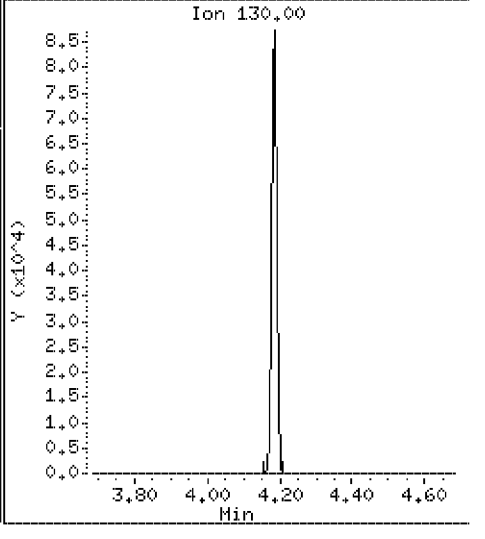


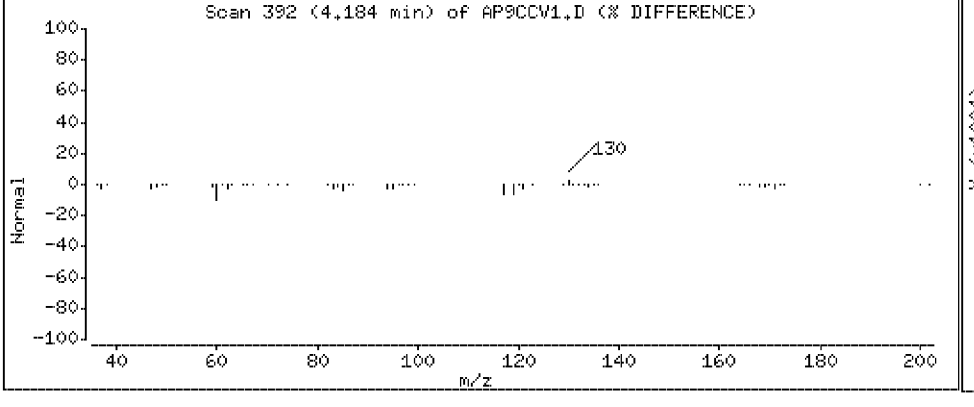












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

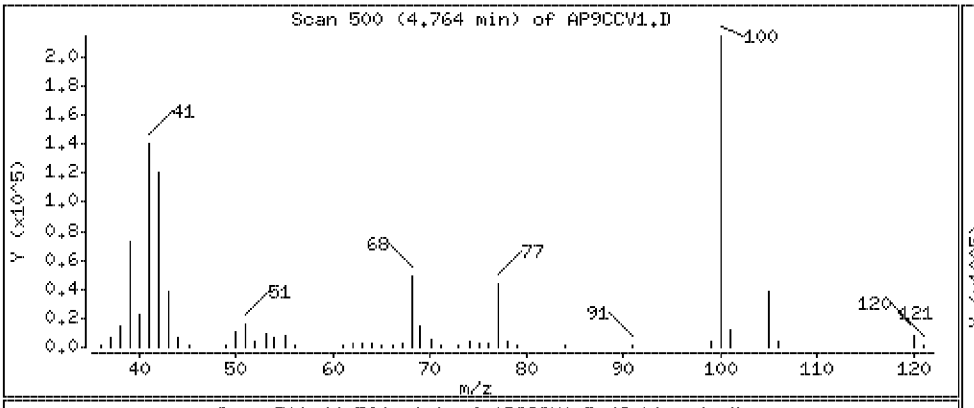
Operator: PEL

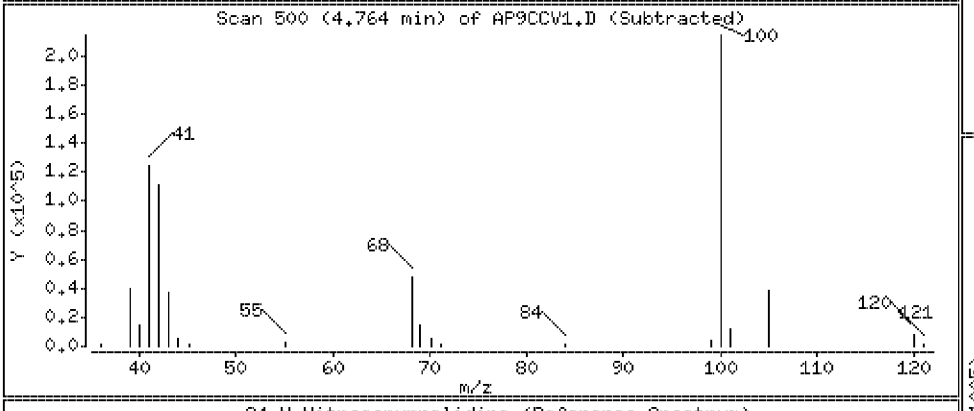
Column phase: HPMS-5

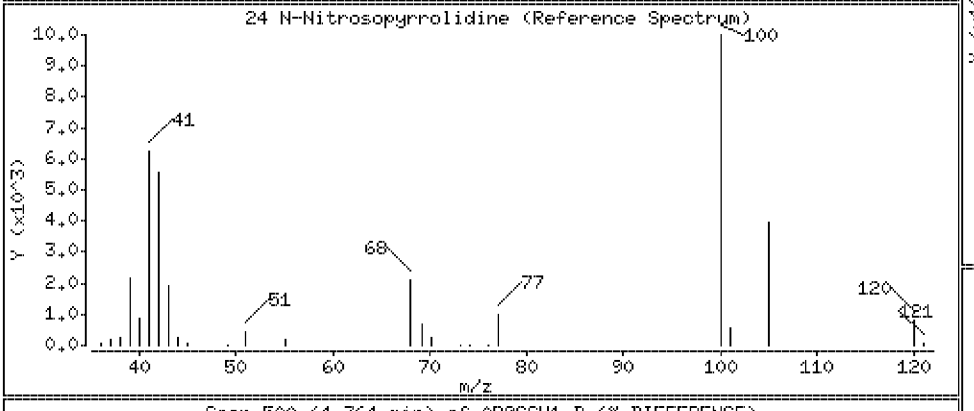
Column diameter: 0.25

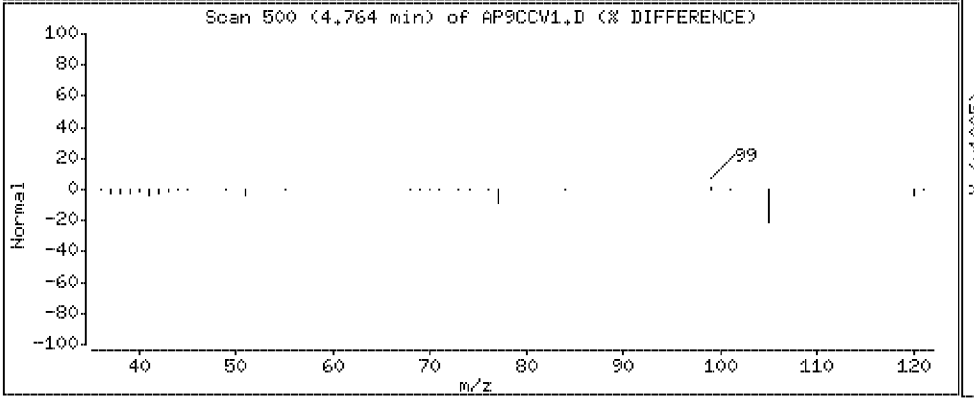
24 N-Nitrosopyrrolidine

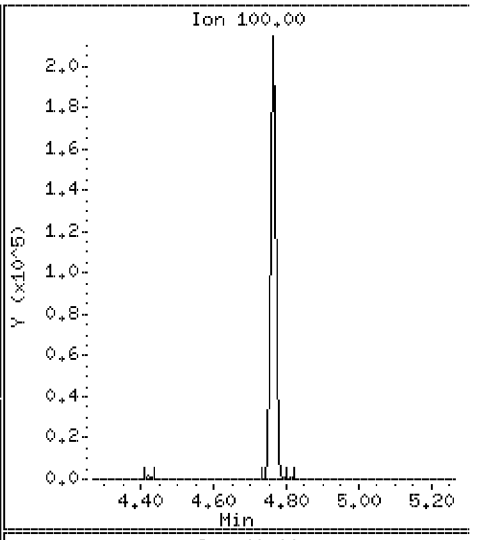
Concentration: 47.3 ug/l

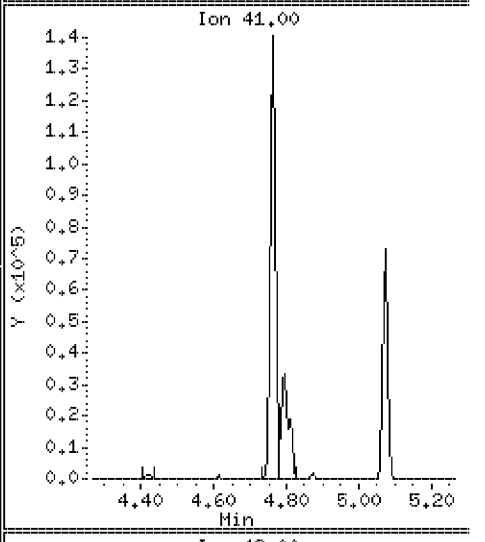


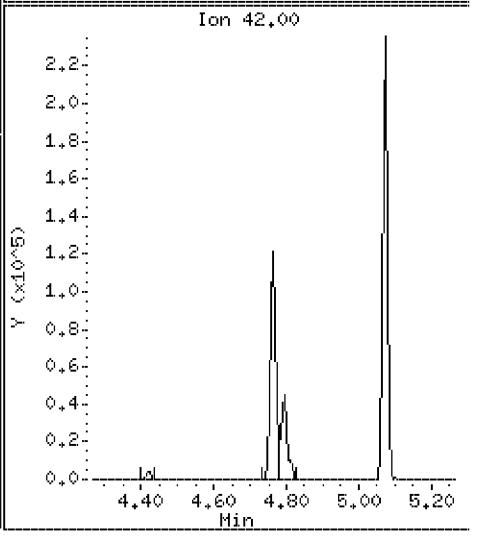












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

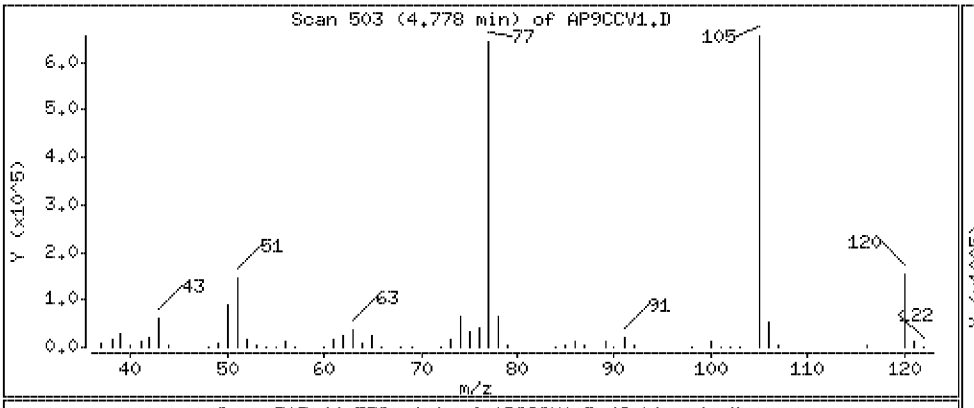
Operator: PEL

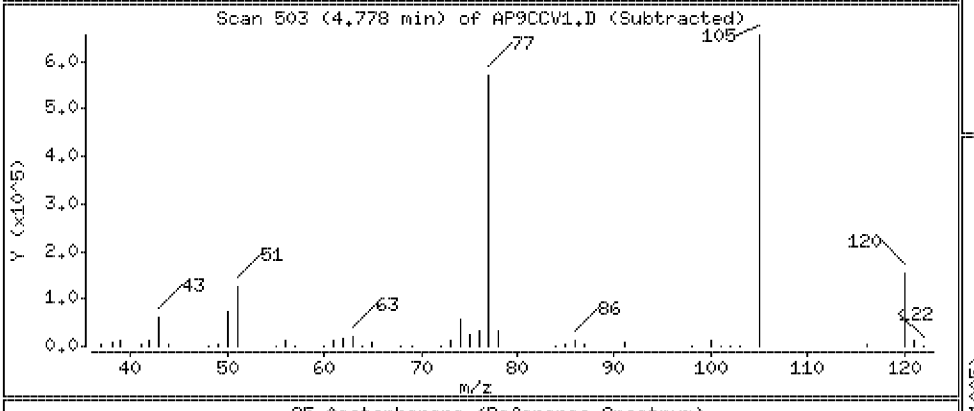
Column phase: HPMS-5

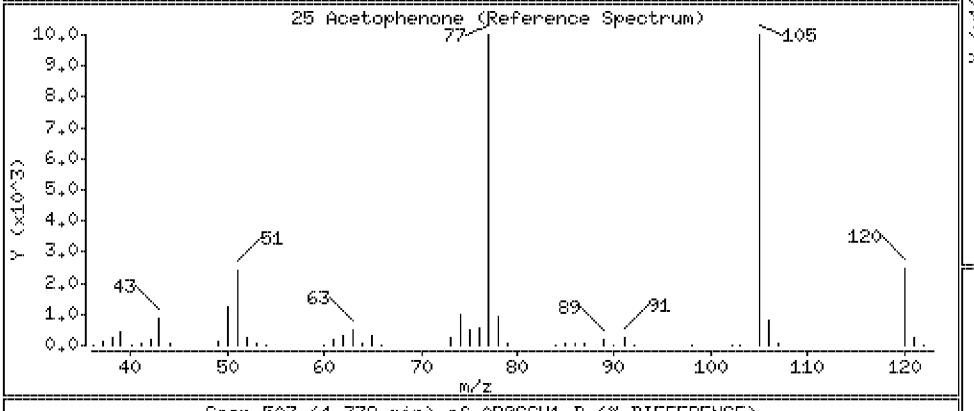
Column diameter: 0.25

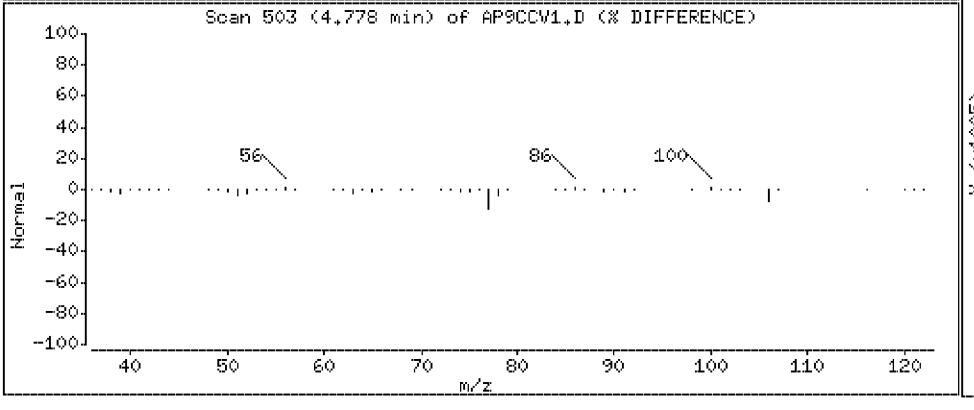
25 Acetophenone

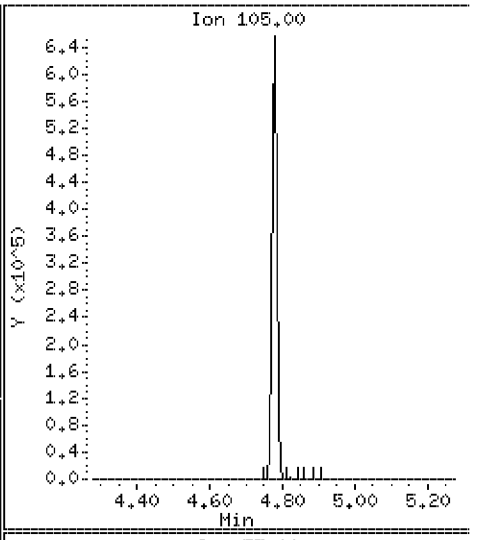
Concentration: 43.2 ug/l

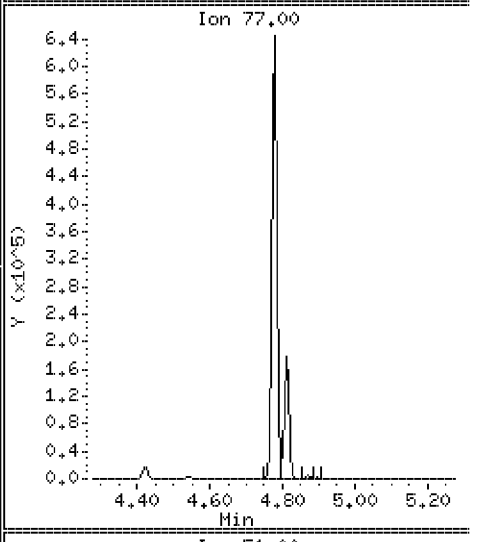


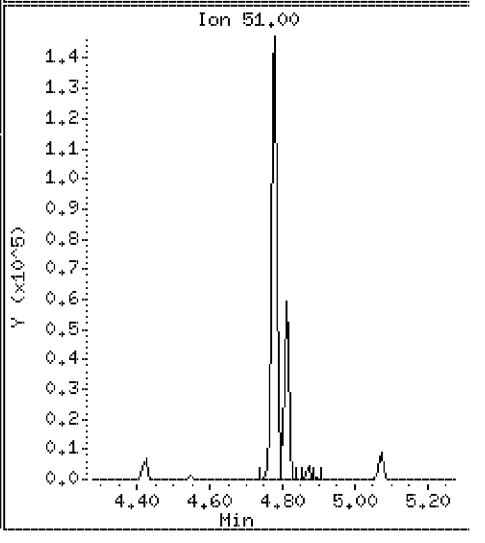












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

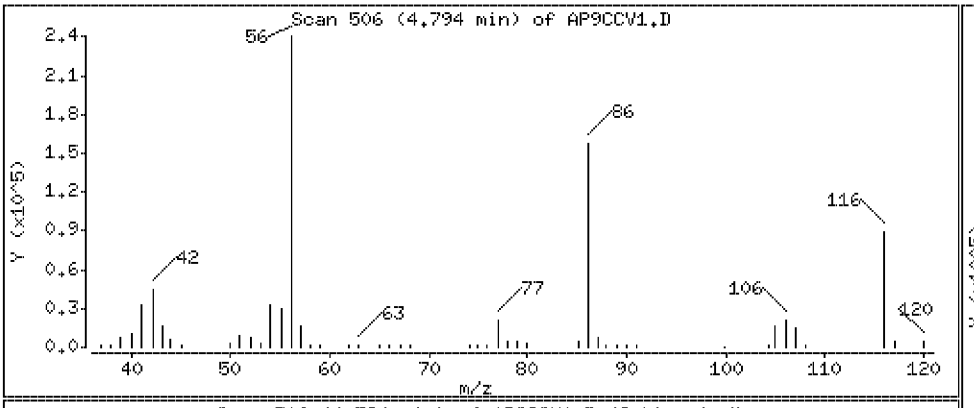
Operator: PEL

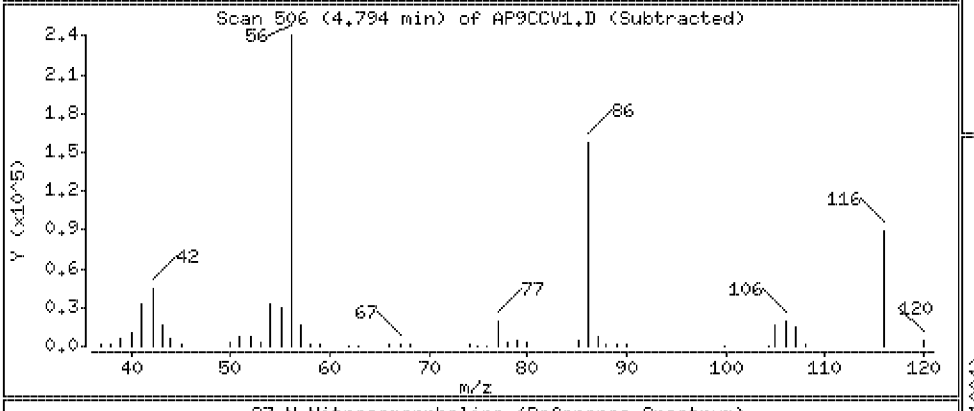
Column phase: HPMS-5

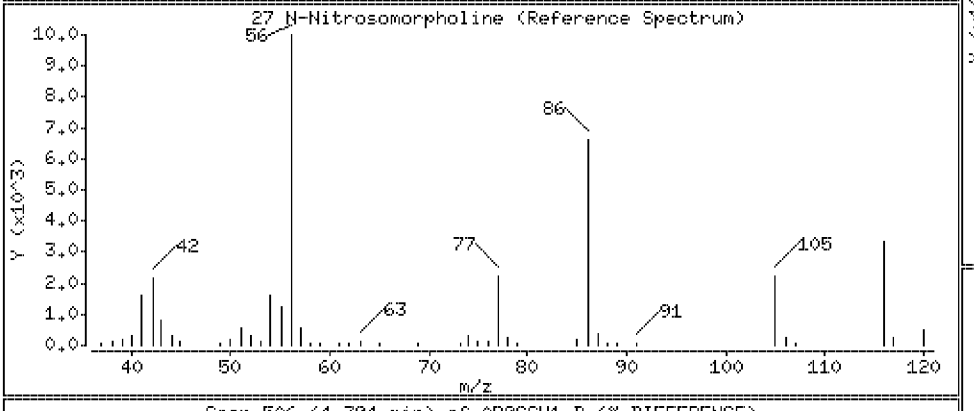
Column diameter: 0.25

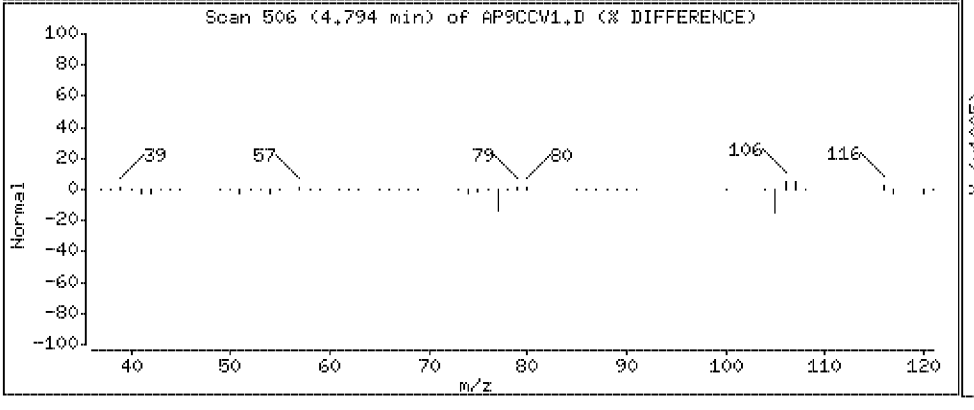
27 N-Nitrosomorpholine

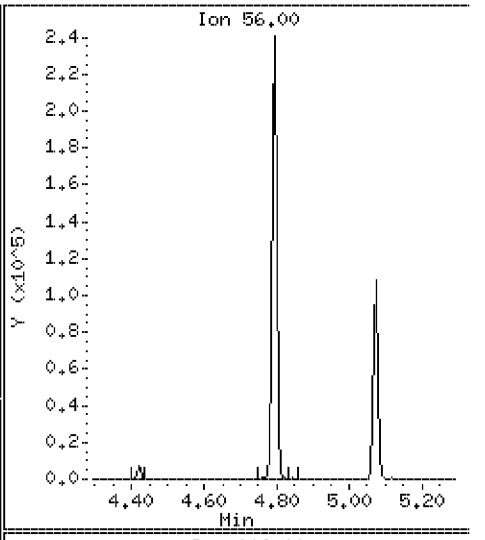
Concentration: 47.0 ug/l

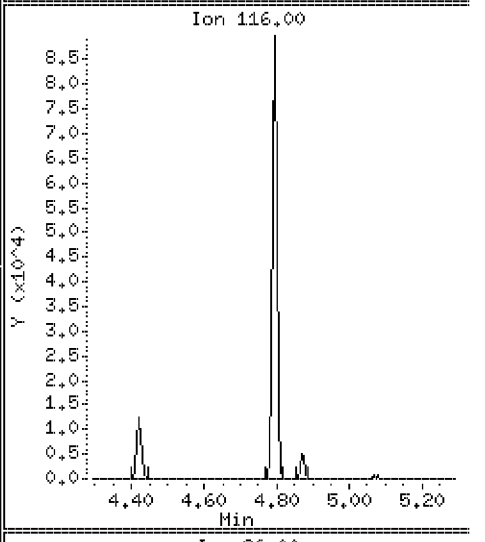


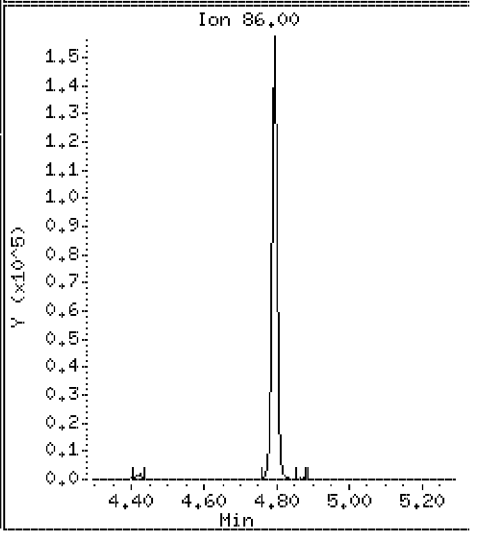












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

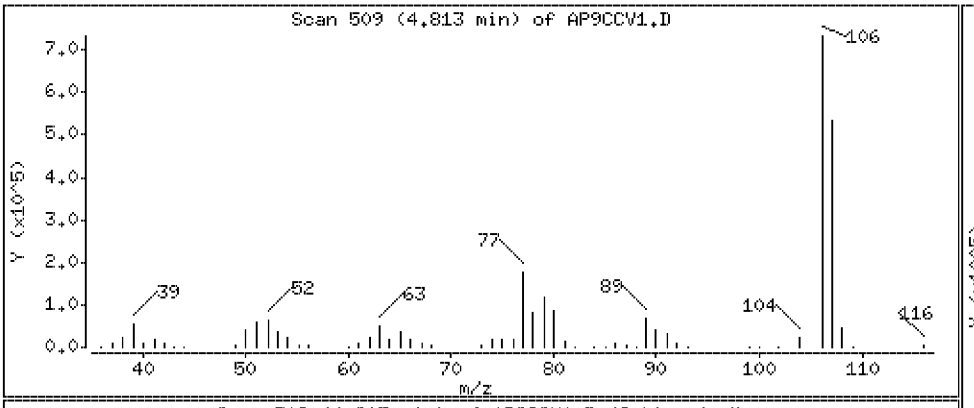
Operator: PEL

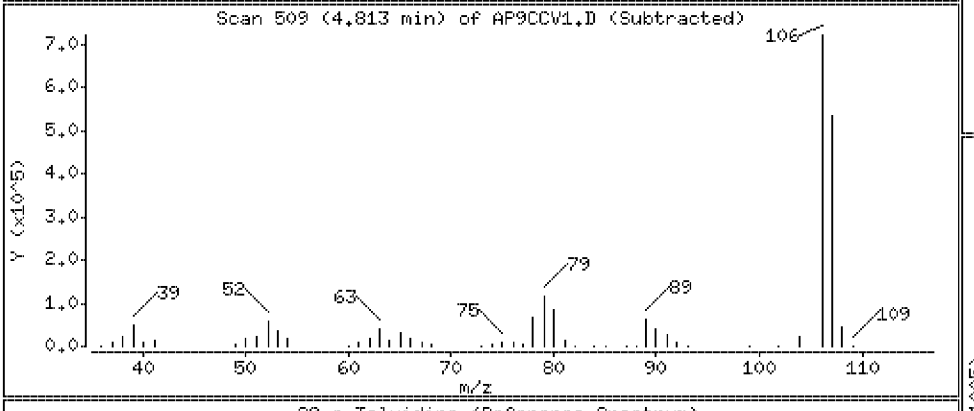
Column phase: HPMS-5

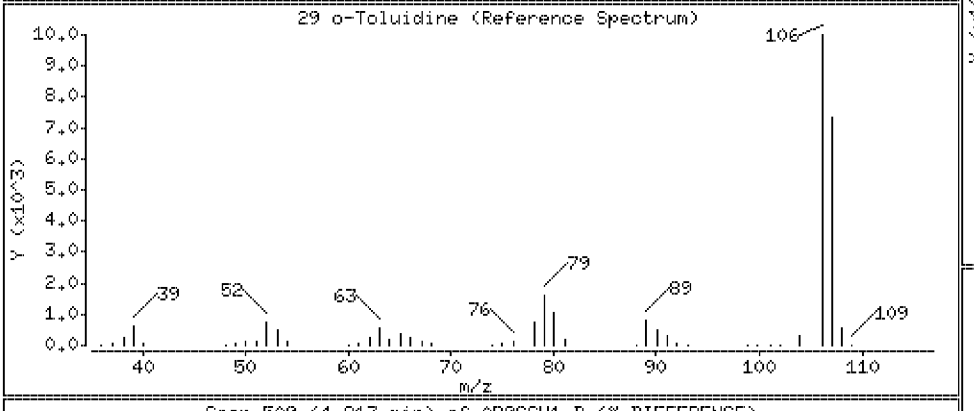
Column diameter: 0.25

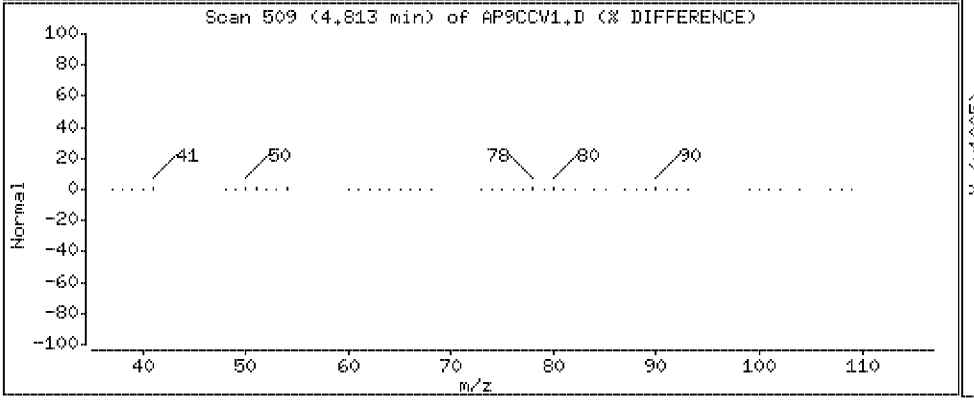
29 o-Toluidine

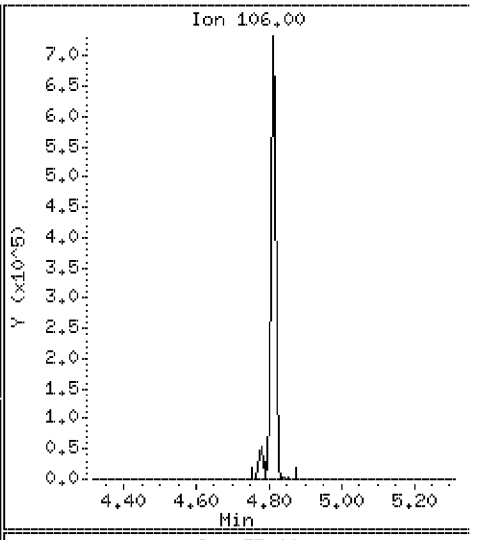
Concentration: 45.5 ug/l

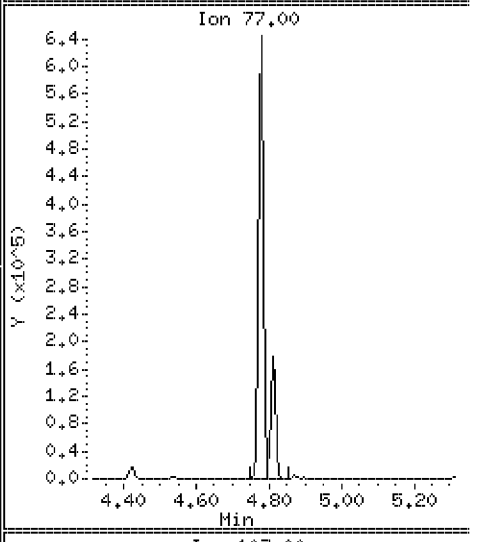


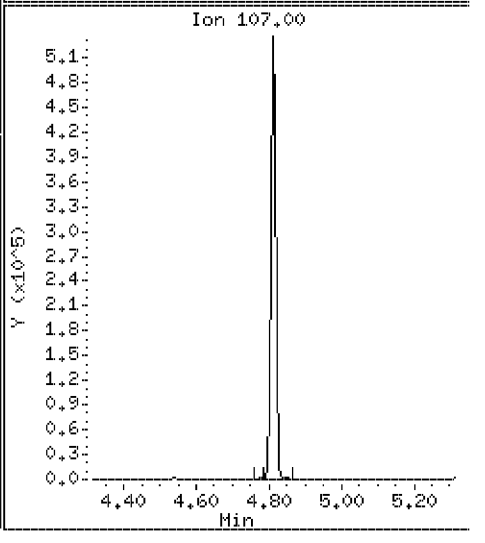












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

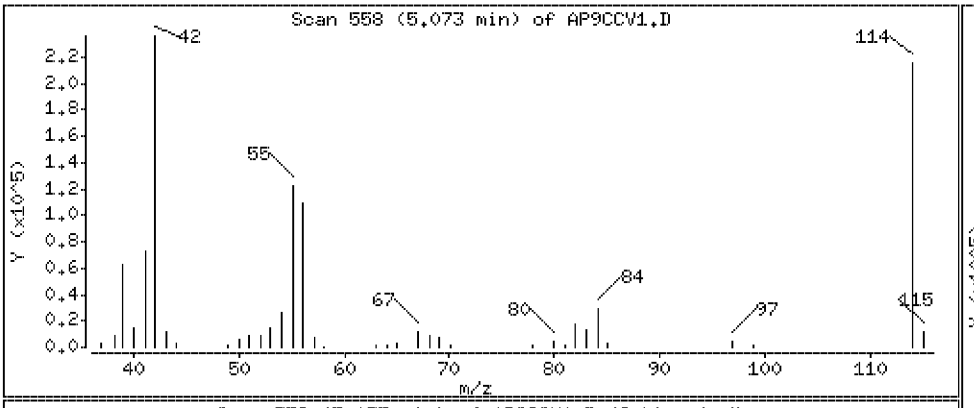
Operator: PEL

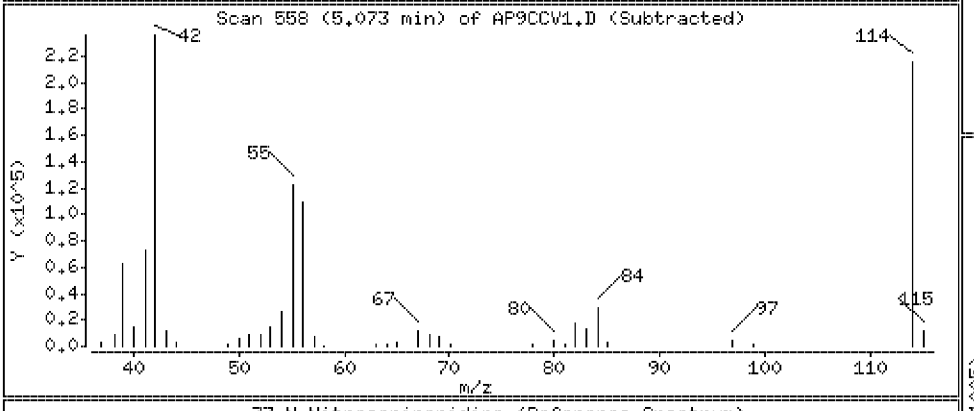
Column phase: HPMS-5

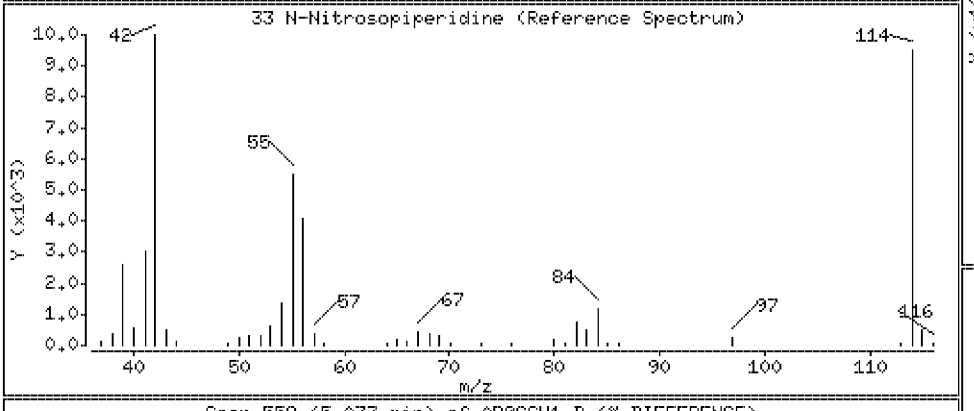
Column diameter: 0.25

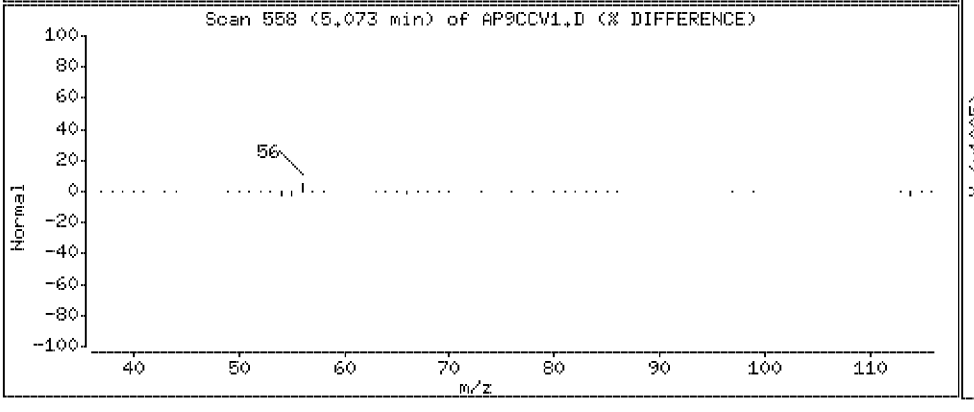
33 N-Nitrosopiperidine

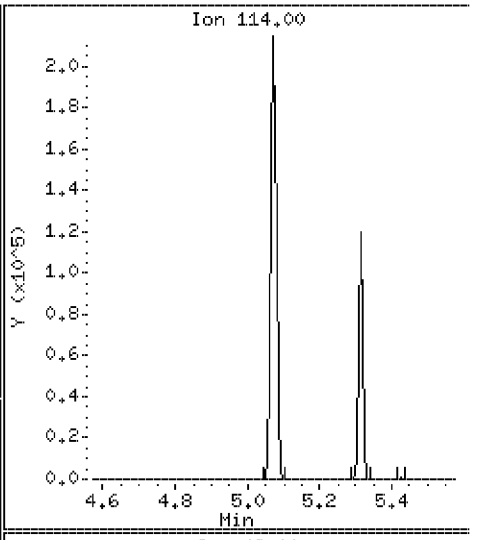
Concentration: 45.5 ug/l

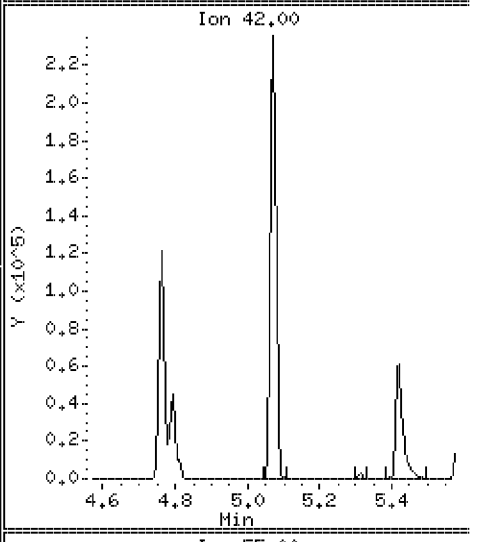


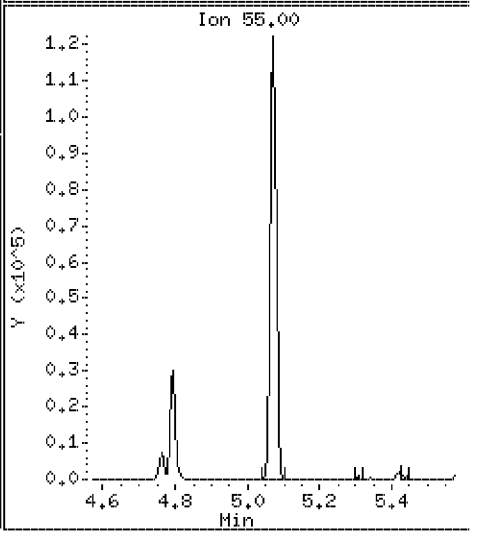












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

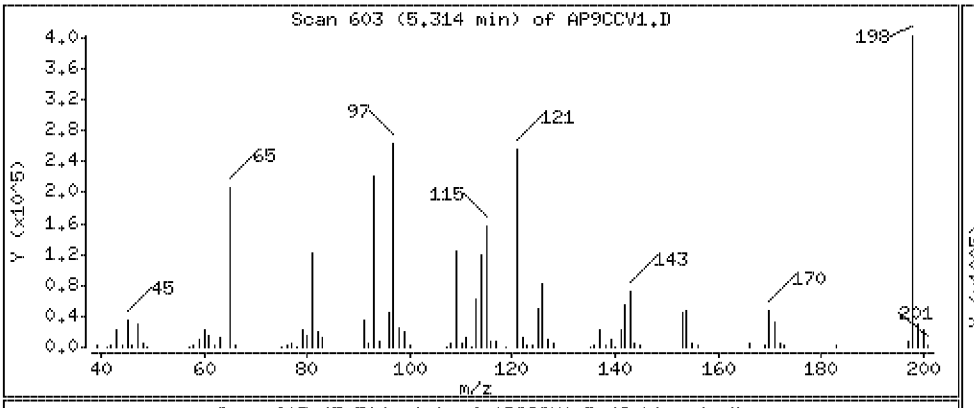
Operator: PEL

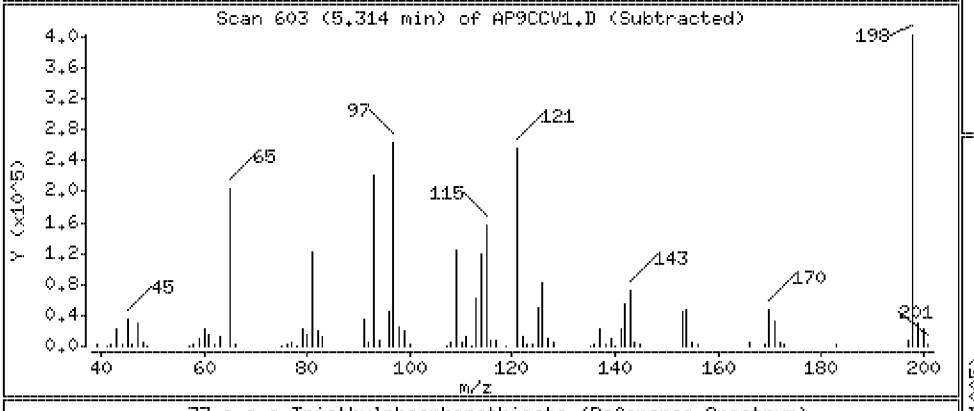
Column phase: HPMS-5

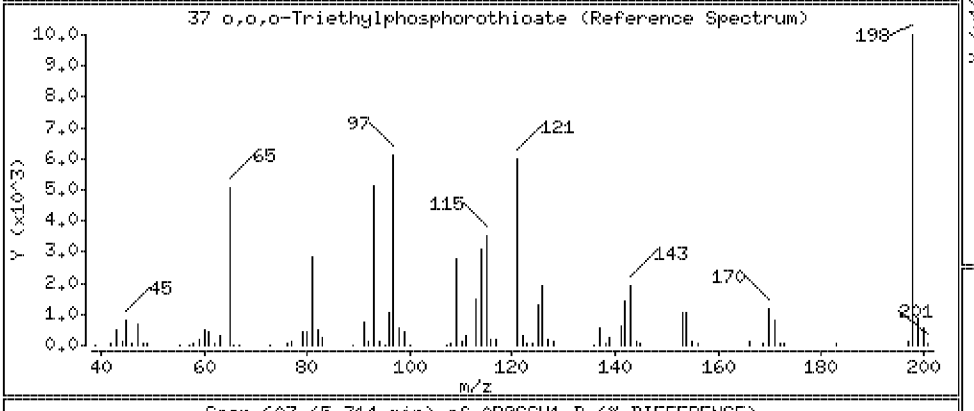
Column diameter: 0.25

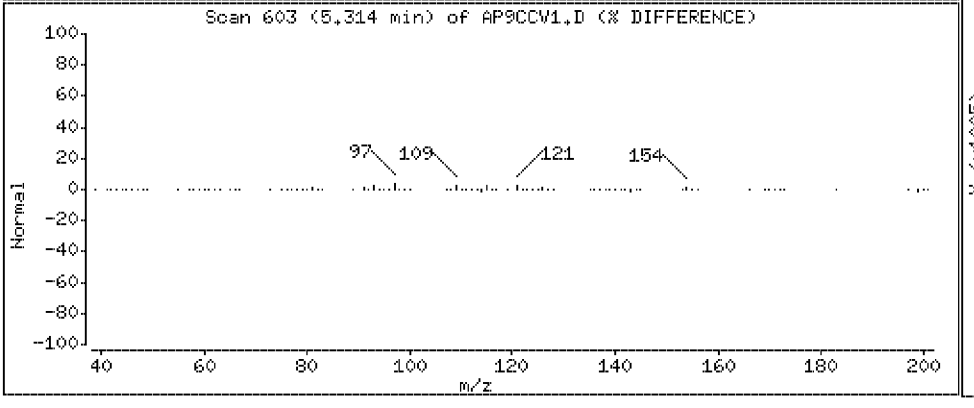
37 o,o,o-Triethylphosphorothioate

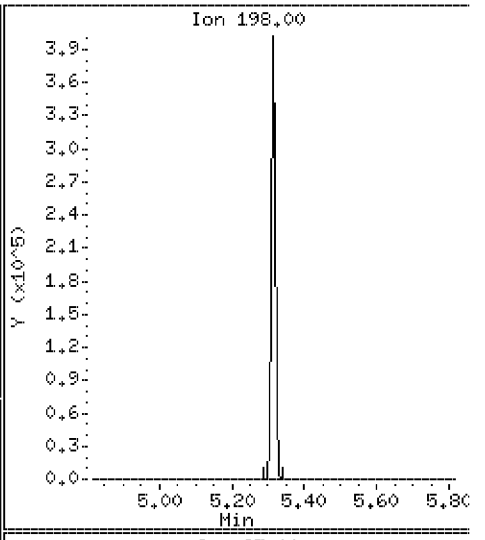
Concentration: 46.4 ug/l

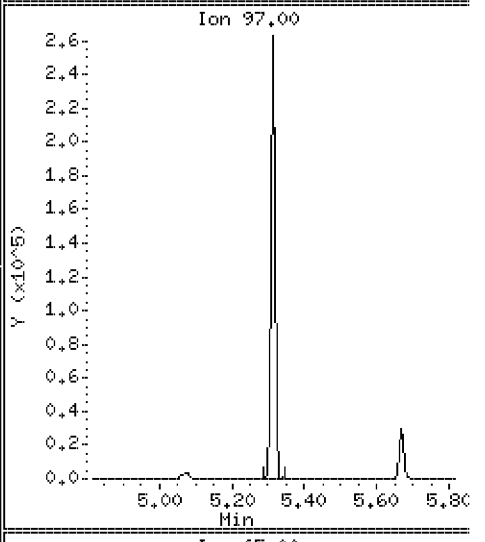


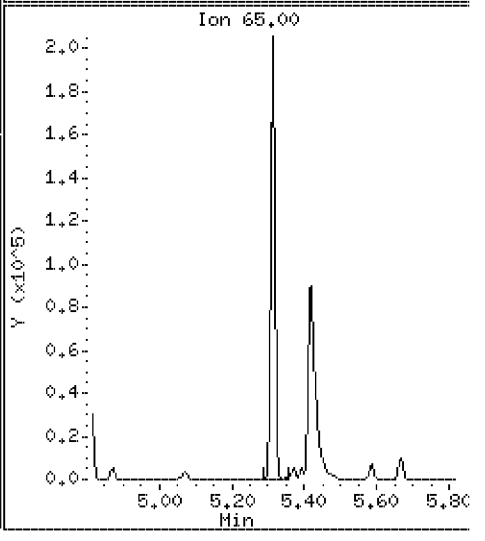












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

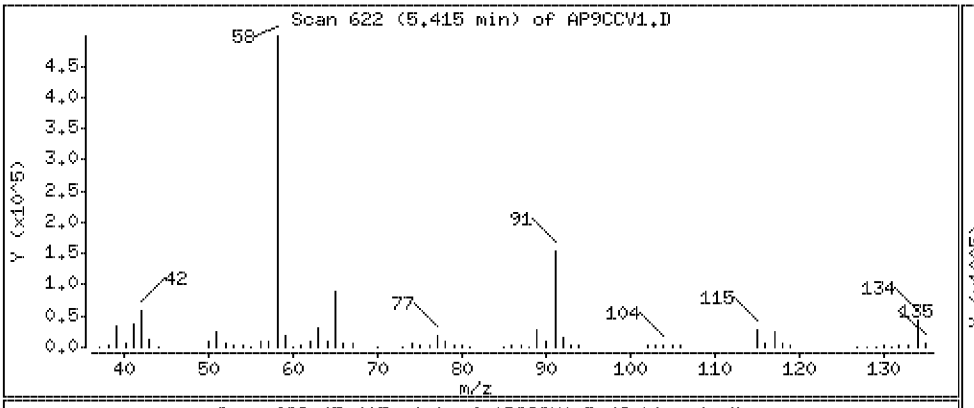
Operator: PEL

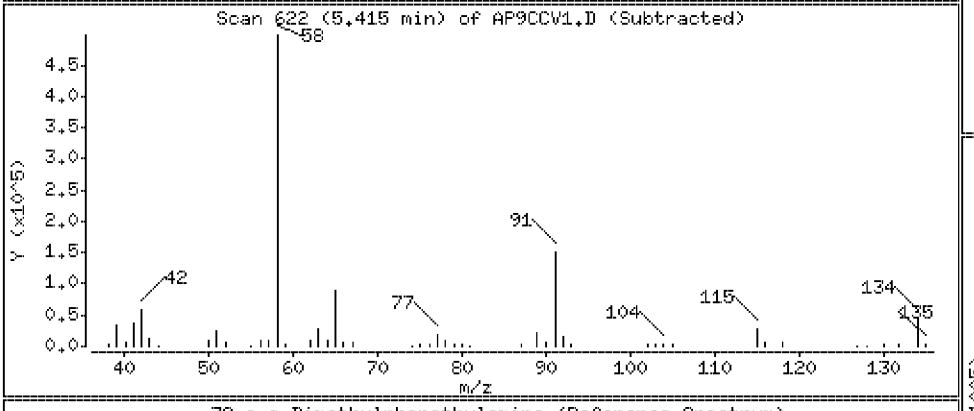
Column phase: HPMS-5

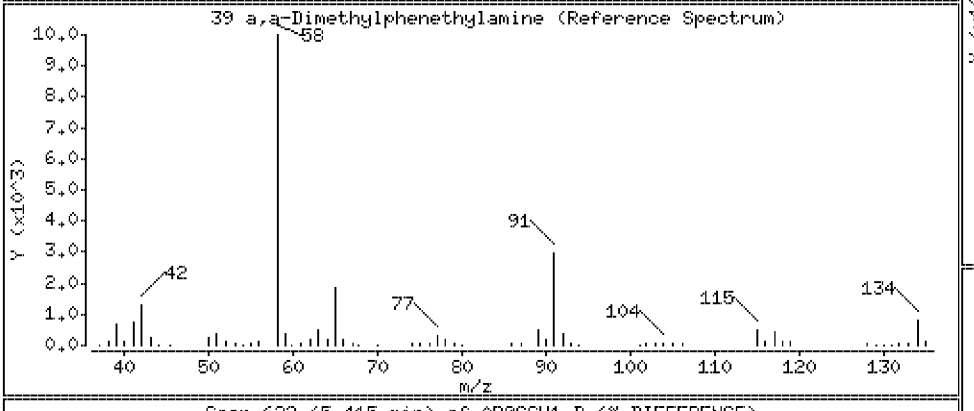
Column diameter: 0.25

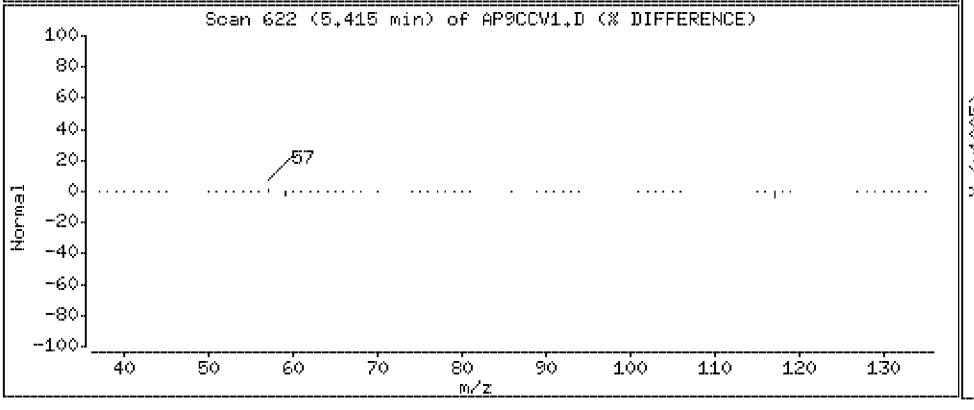
39 a,a-Dimethylphenethylamine

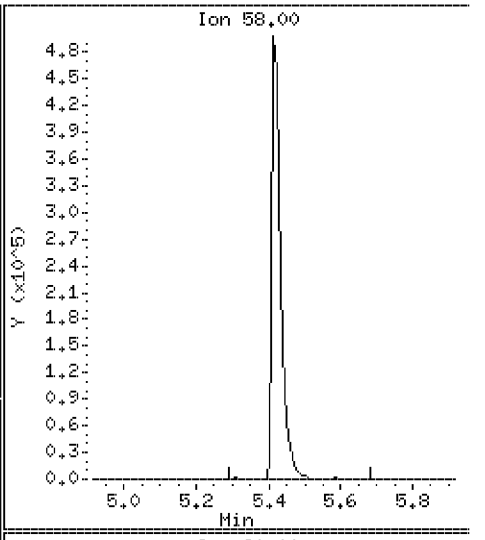
Concentration: 50.0 ug/l

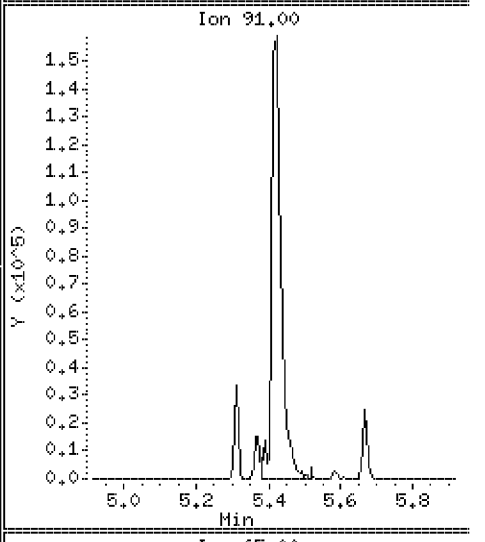


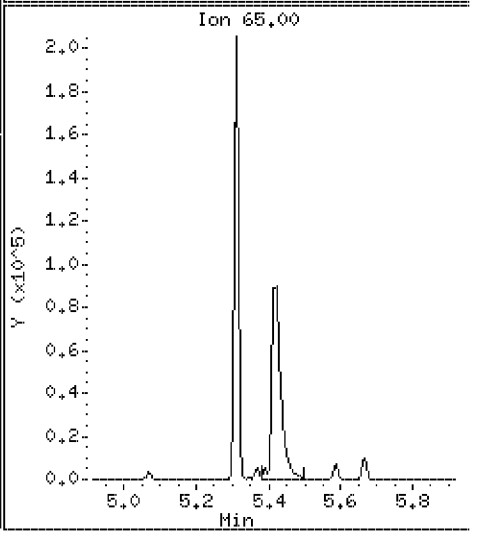












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

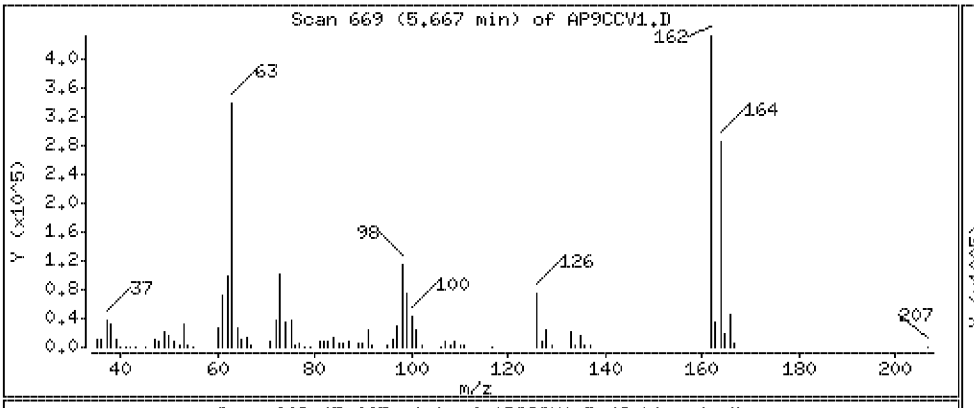
Operator: PEL

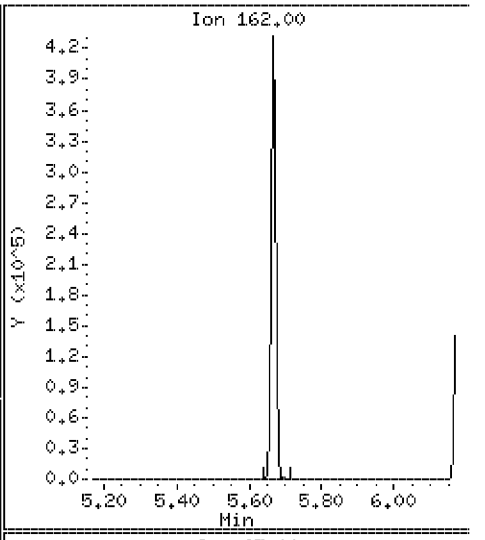
Column phase: HPMS-5

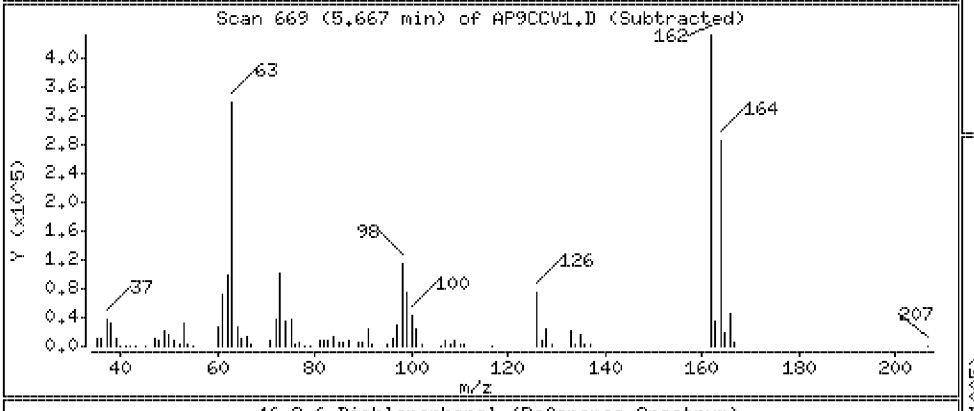
Column diameter: 0.25

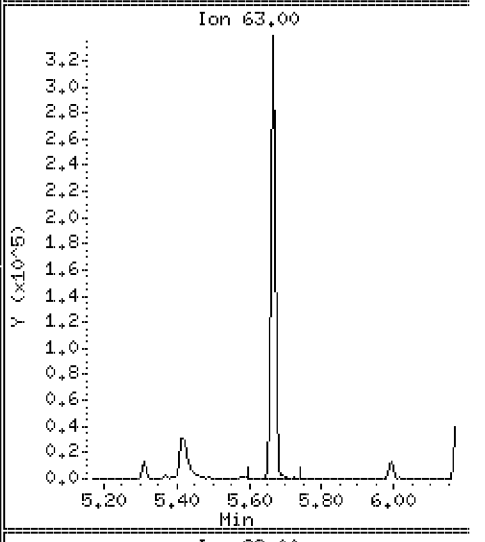
46 2,6-Dichlorophenol

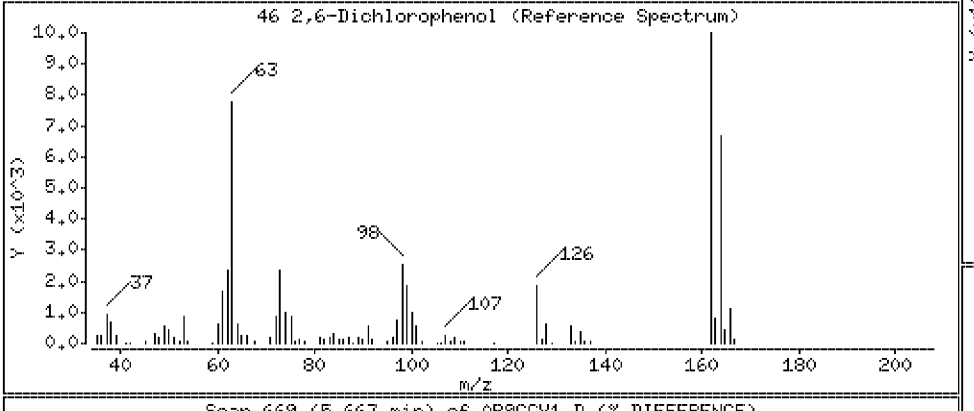
Concentration: 48.4 ug/l

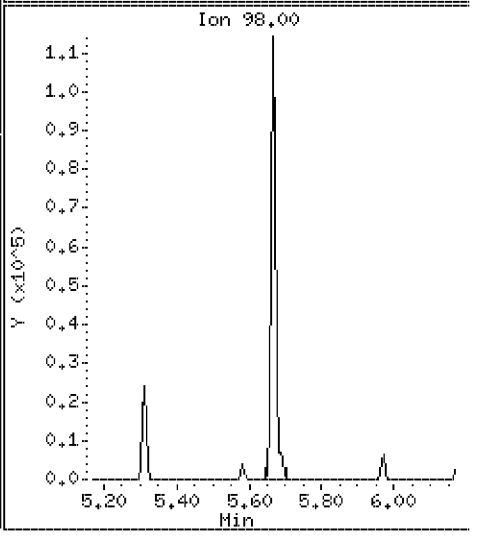


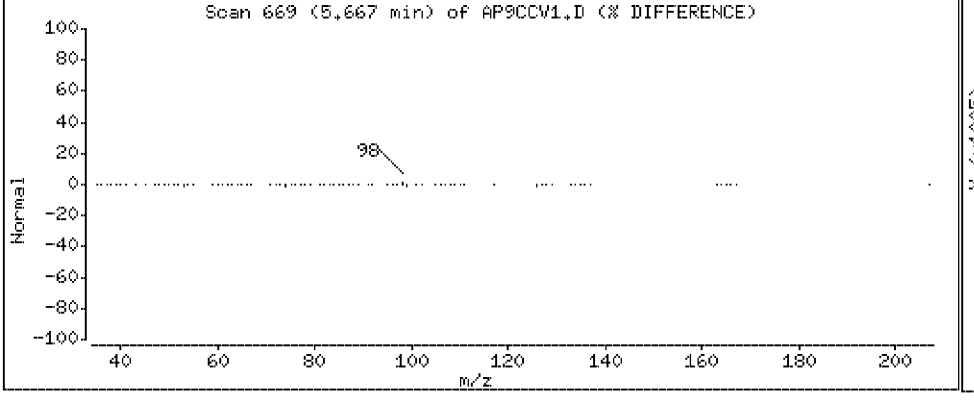












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

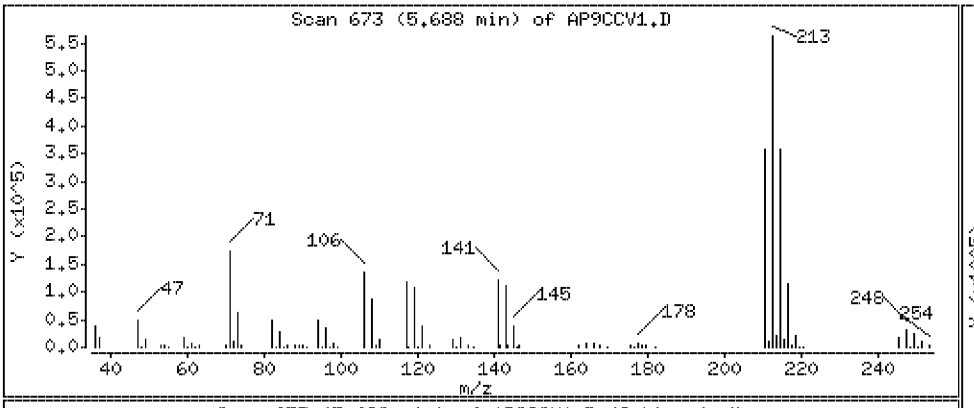
Operator: PEL

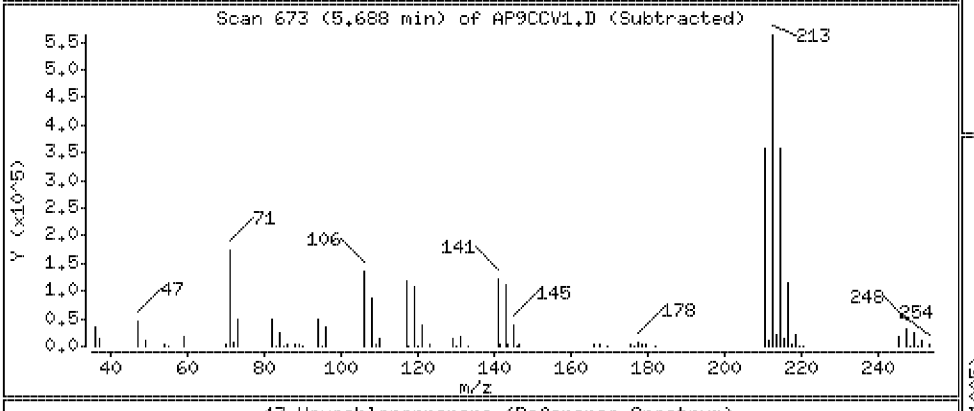
Column phase: HPMS-5

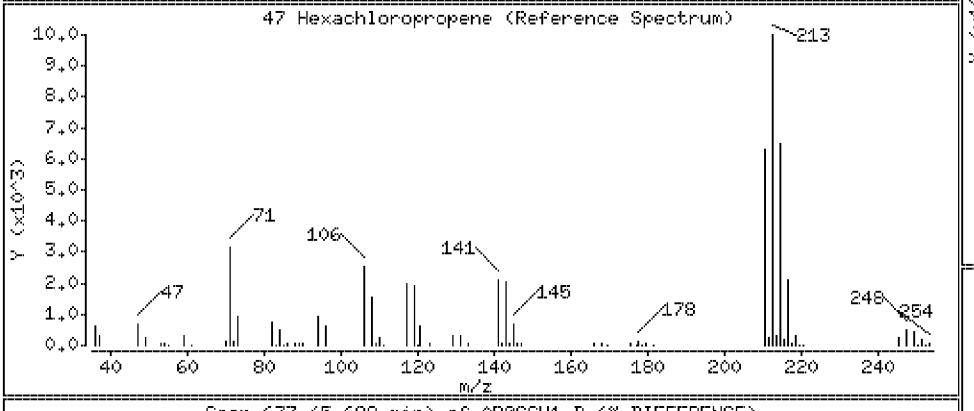
Column diameter: 0.25

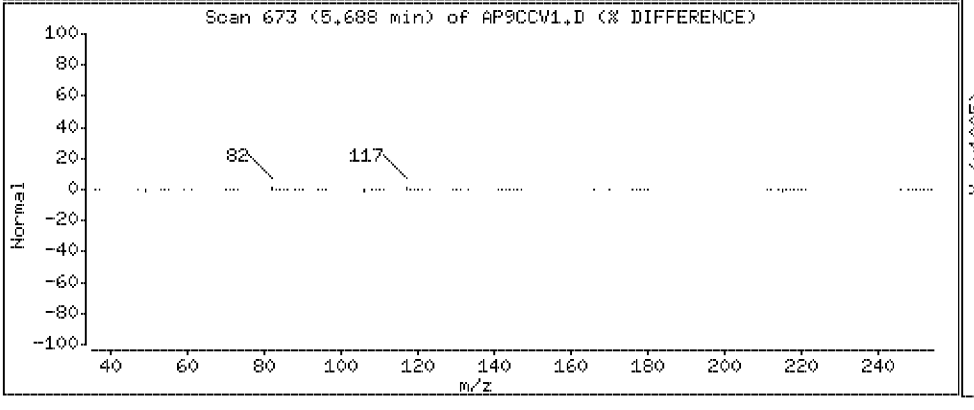
47 Hexachloropropene

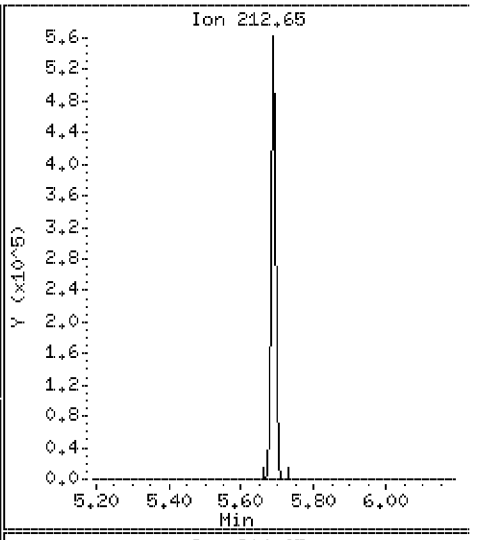
Concentration: 45.0 ug/l

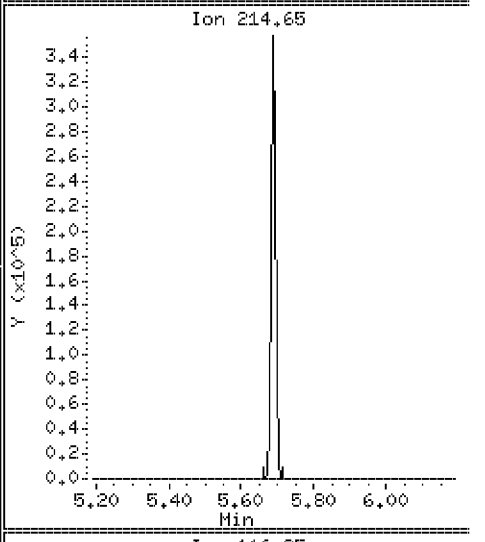


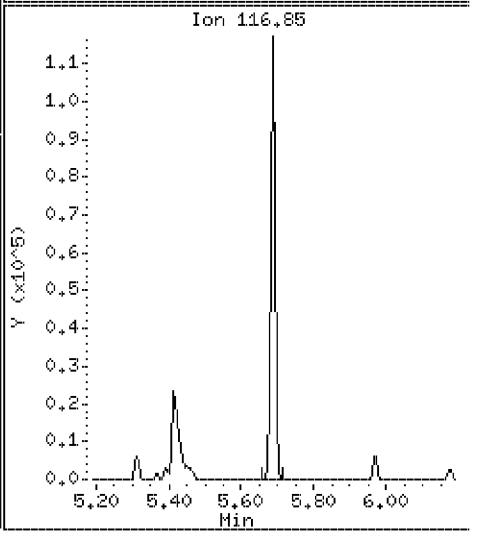












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

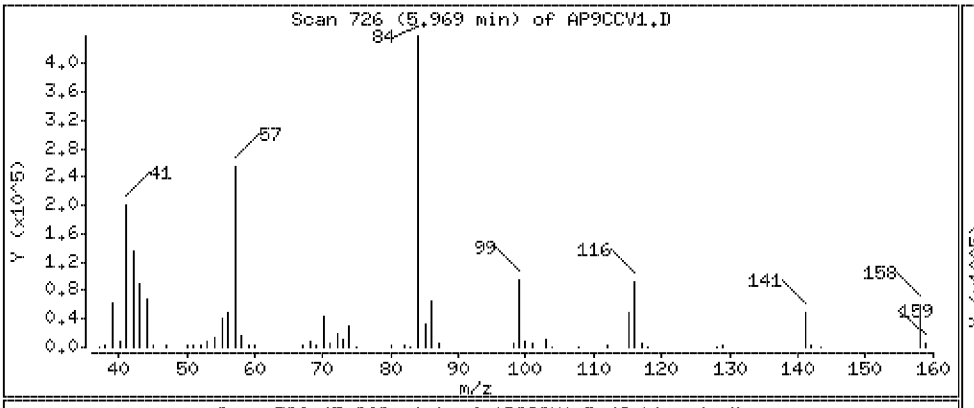
Operator: PEL

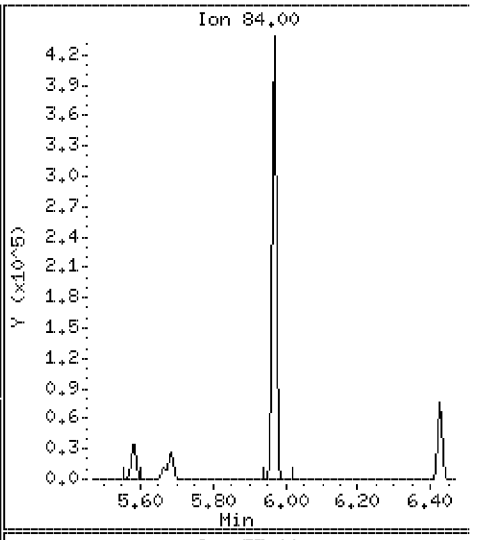
Column phase: HPMS-5

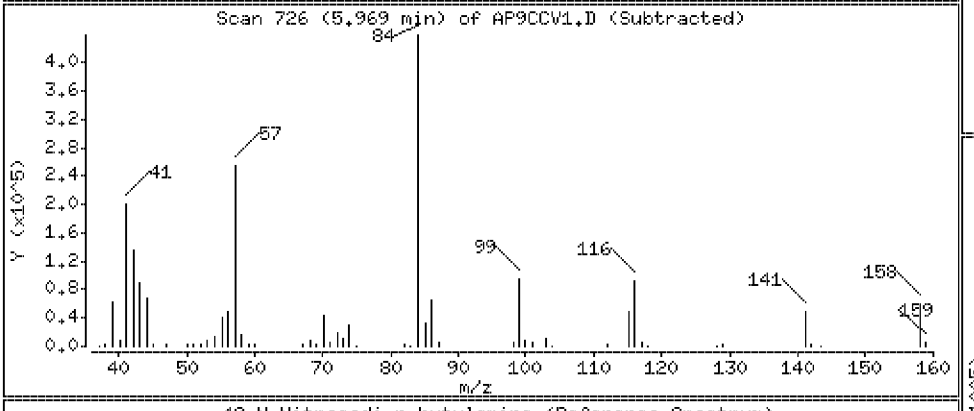
Column diameter: 0.25

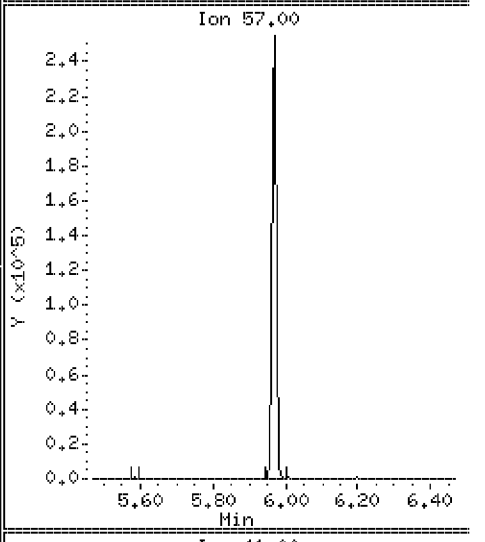
49 N-Nitrosodi-n-butylamine

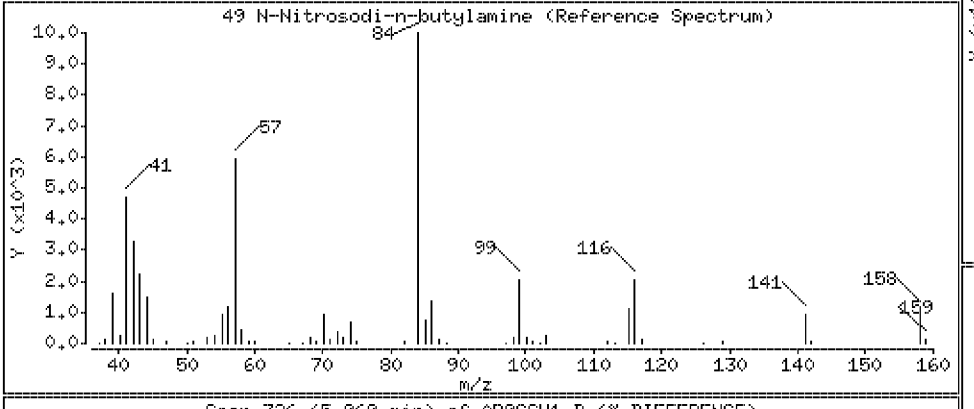
Concentration: 46.6 ug/l

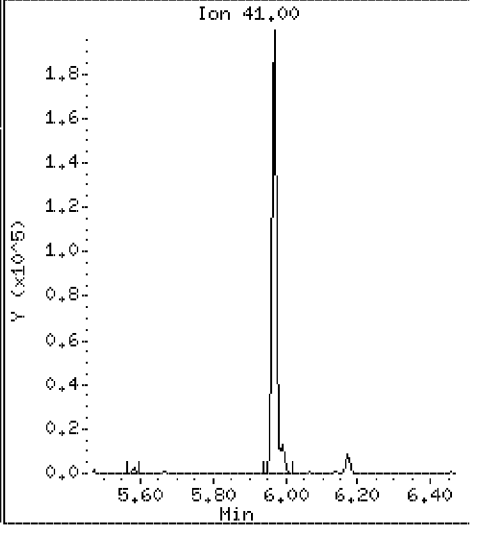


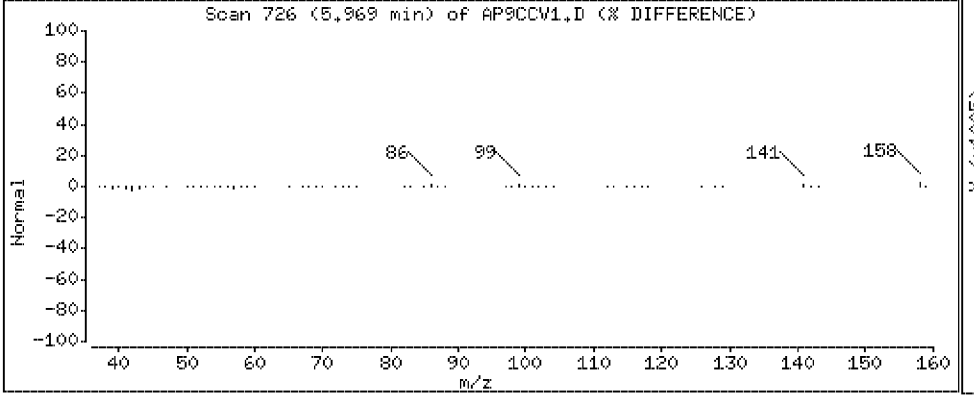












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

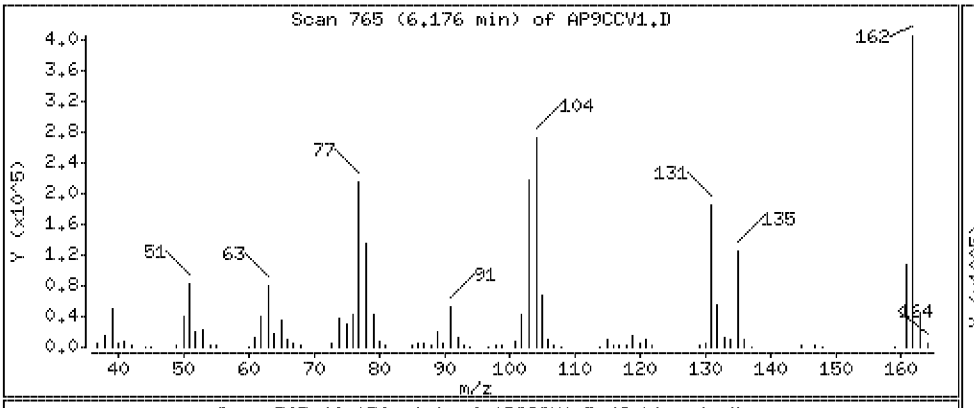
Operator: PEL

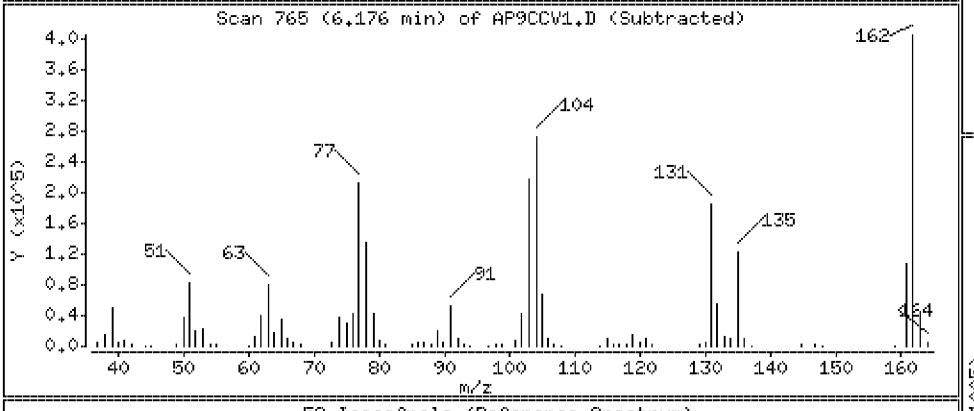
Column phase: HPMS-5

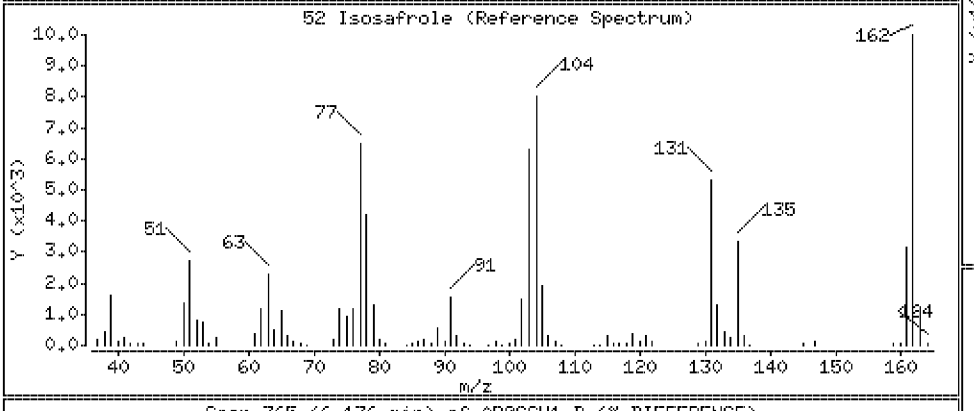
Column diameter: 0.25

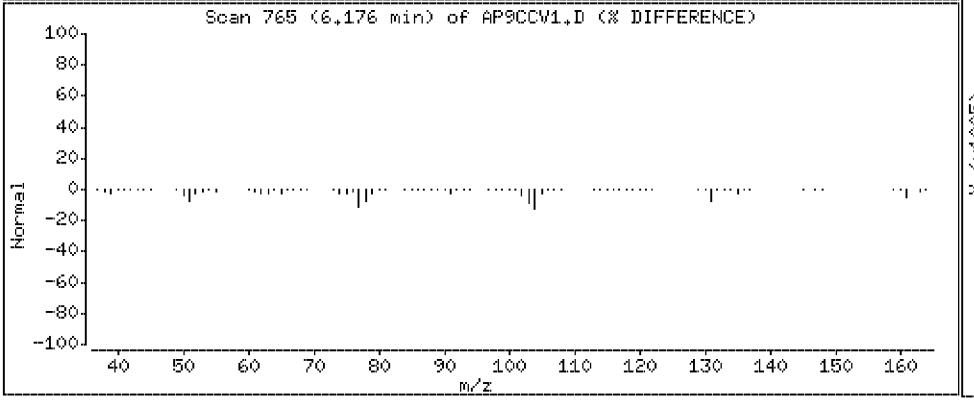
52 Isosafrole

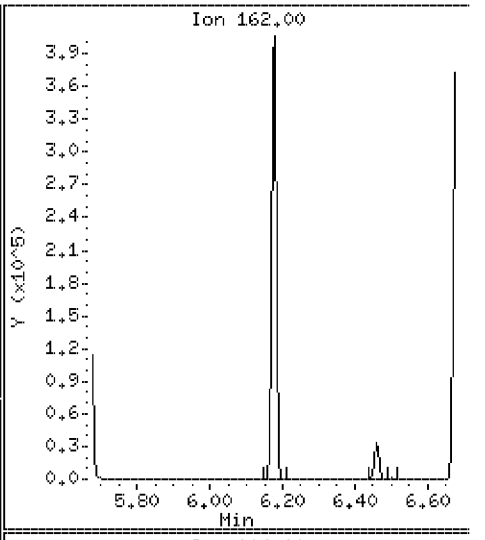
Concentration: 47.0 ug/l

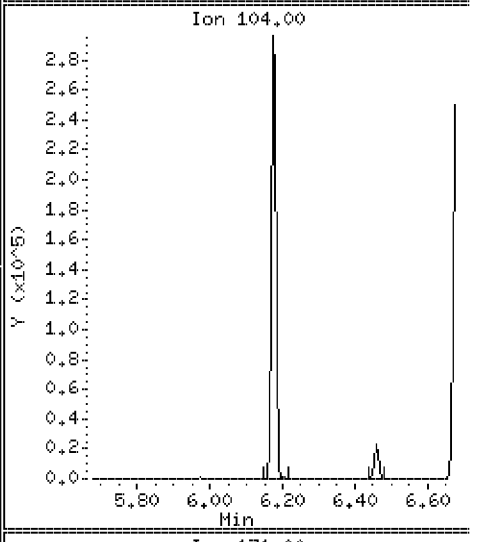


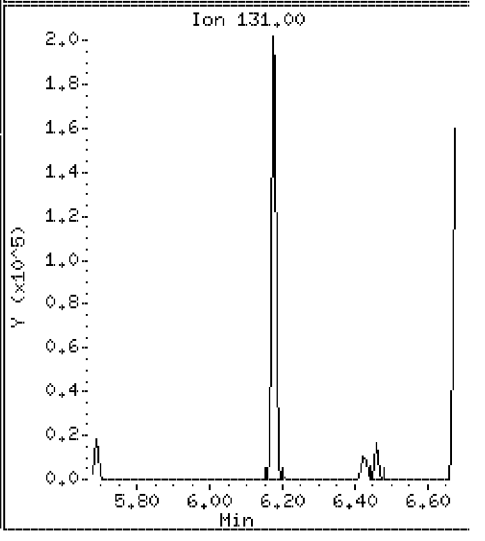












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

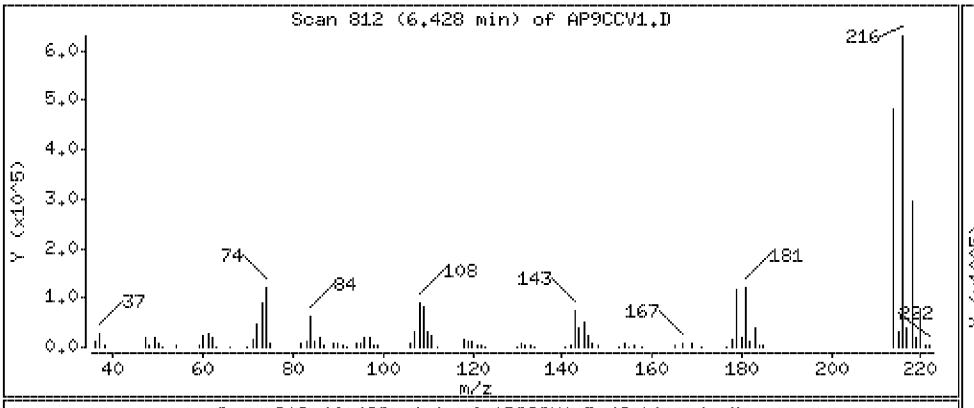
Operator: PEL

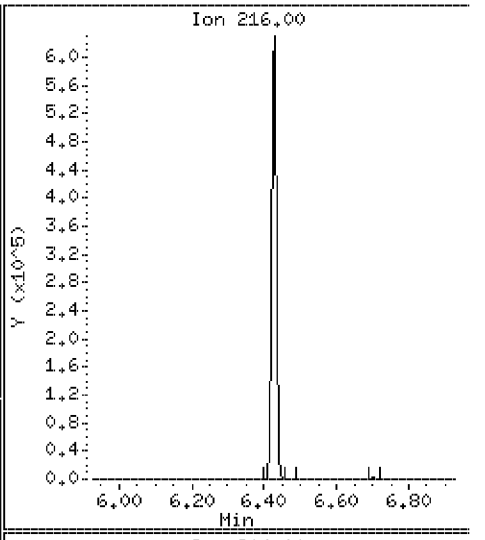
Column phase: HPMS-5

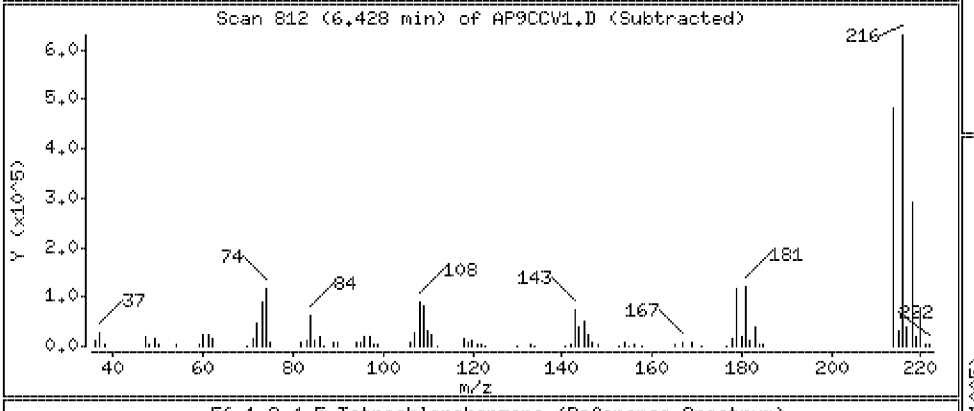
Column diameter: 0.25

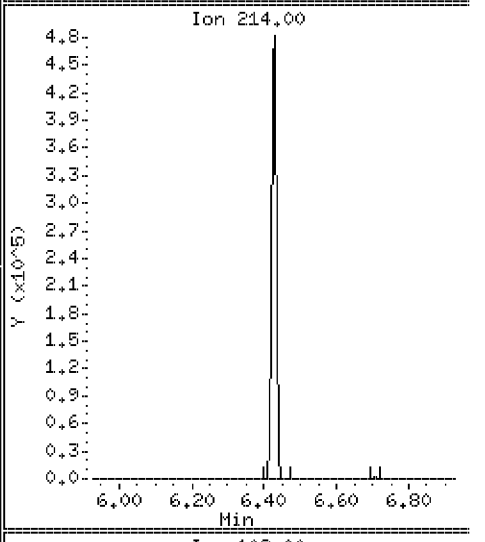
56 1,2,4,5-Tetrachlorobenzene

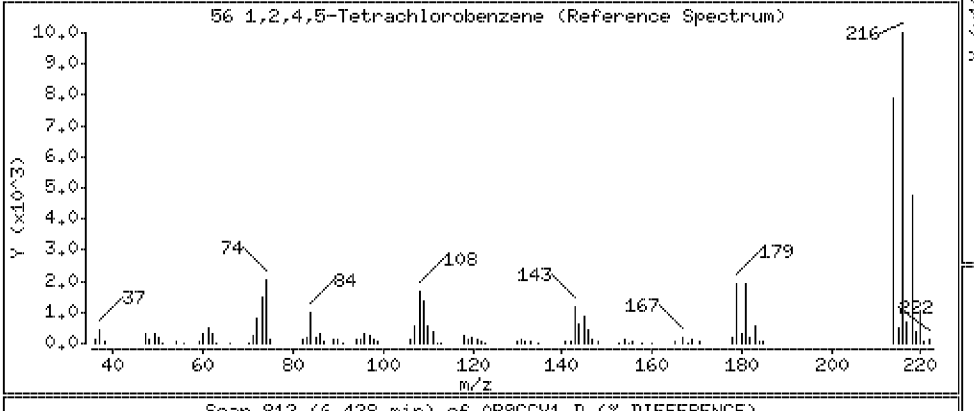
Concentration: 45.3 ug/l

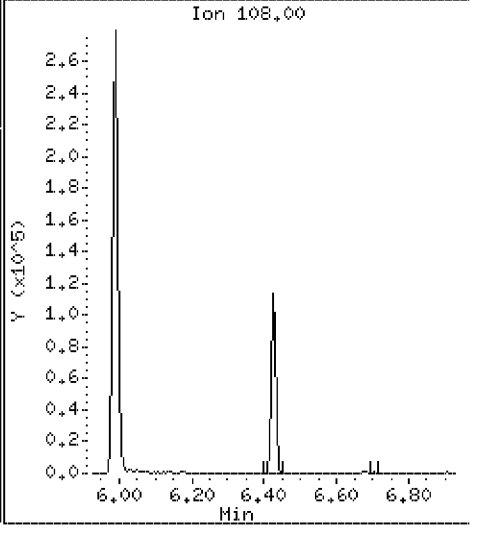


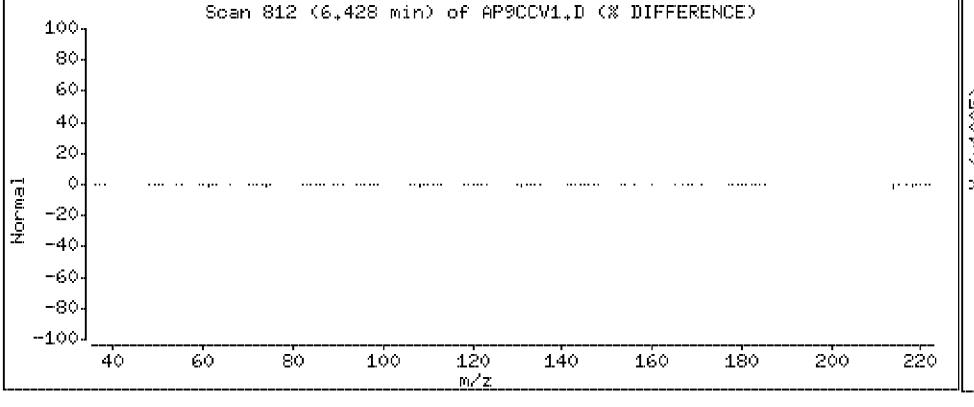












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

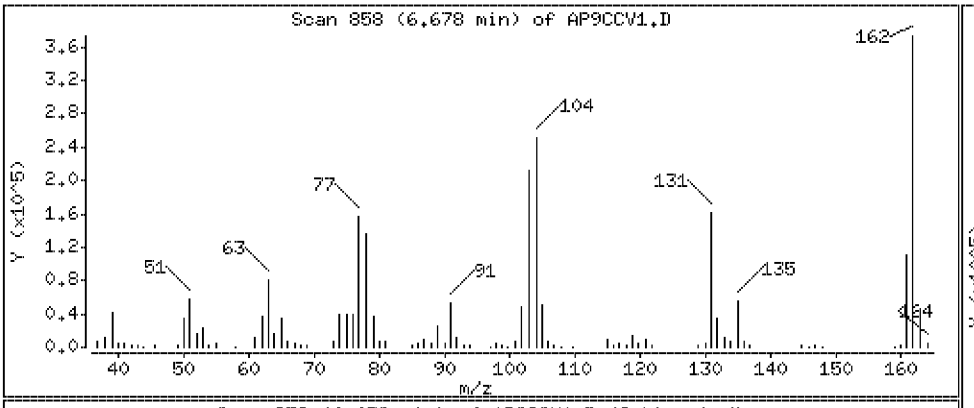
Operator: PEL

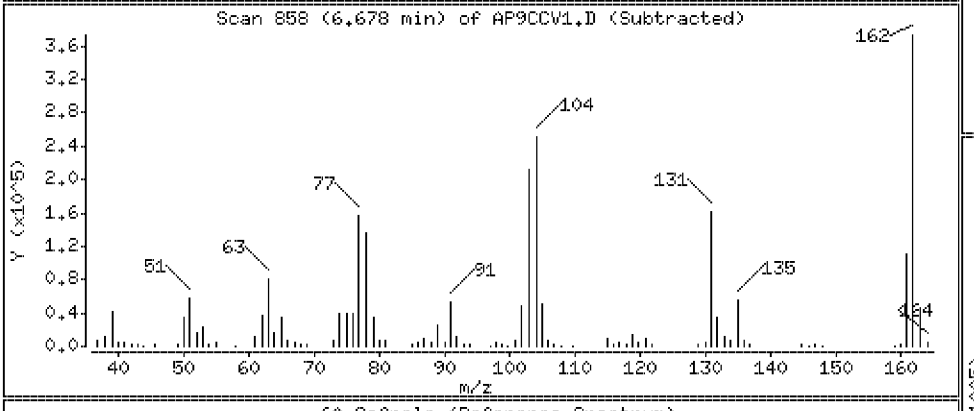
Column phase: HPMS-5

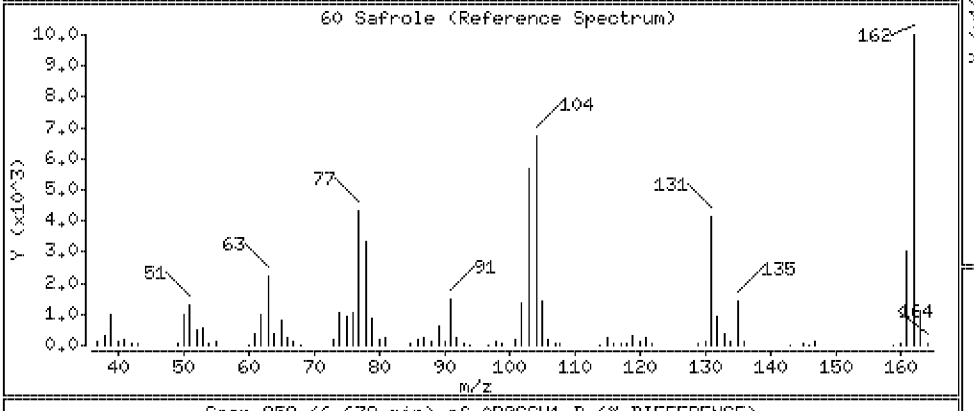
Column diameter: 0.25

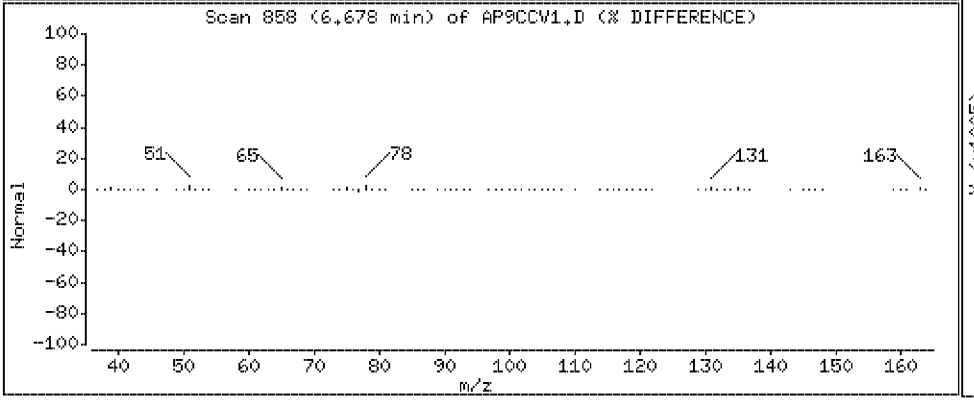
60 Safrole

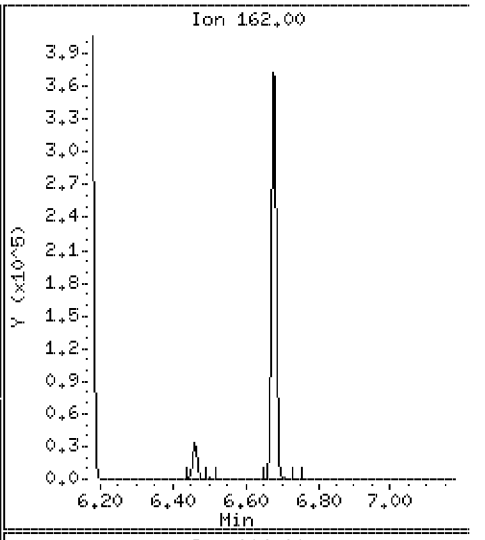
Concentration: 48.6 ug/l

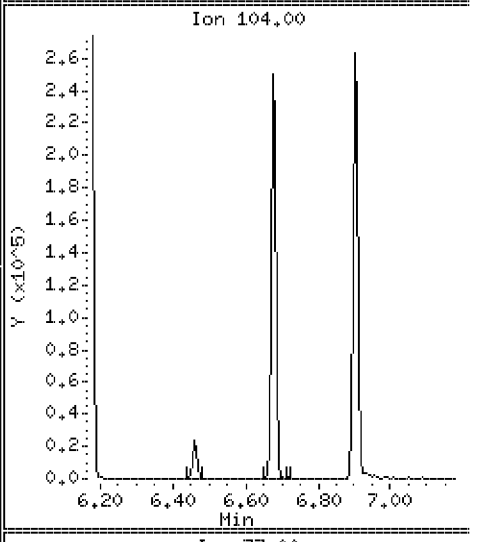


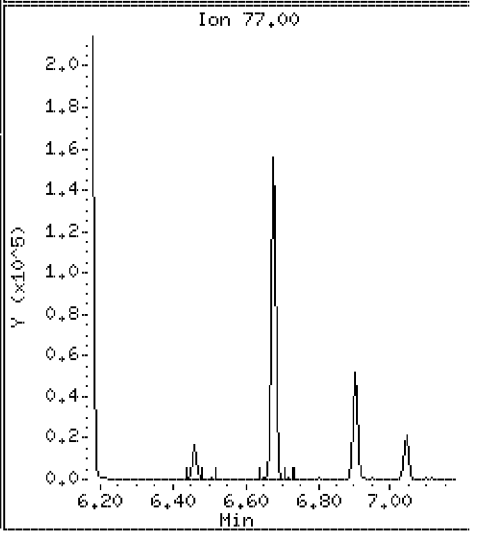












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

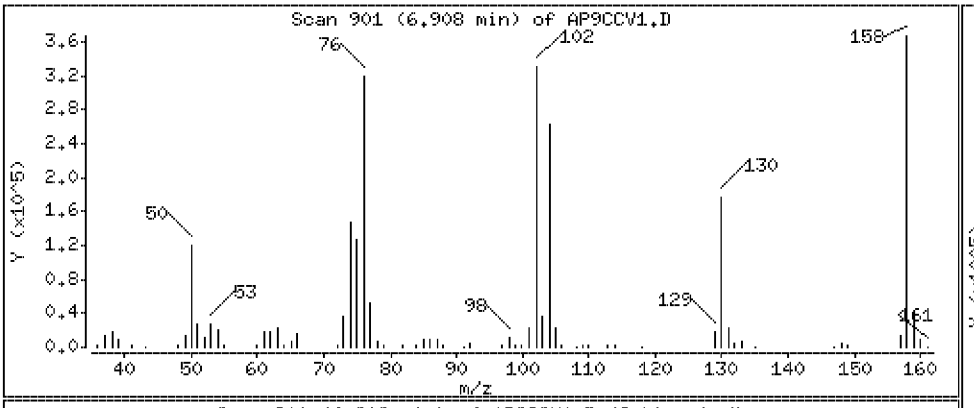
Operator: PEL

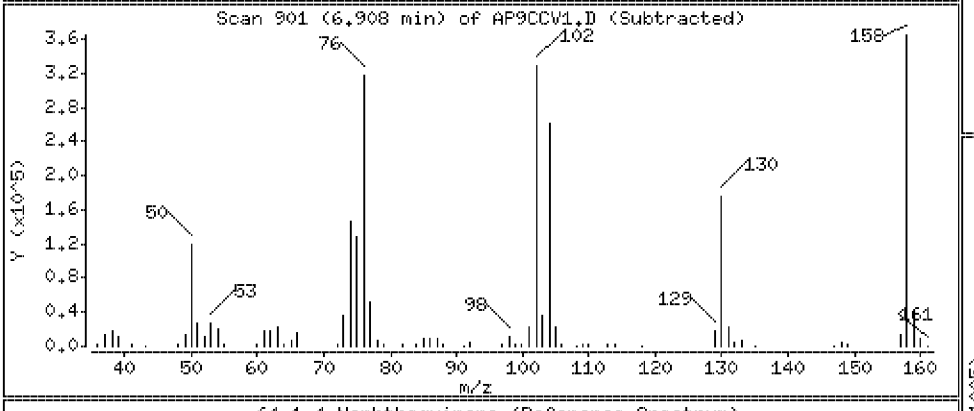
Column phase: HPMS-5

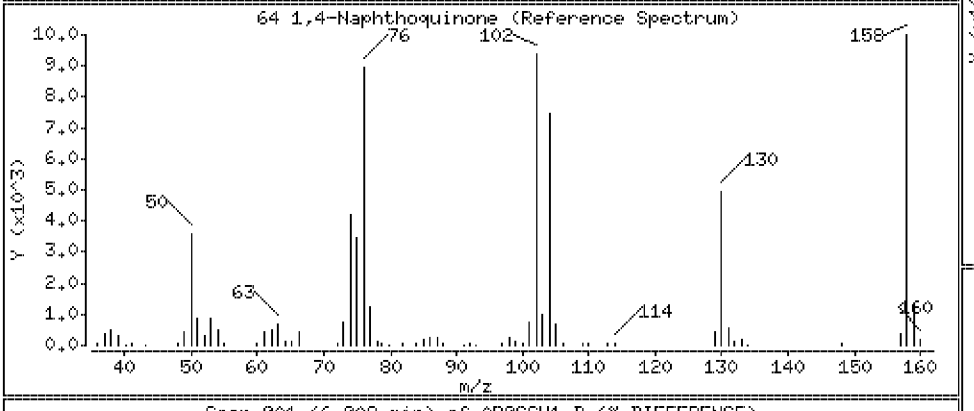
Column diameter: 0.25

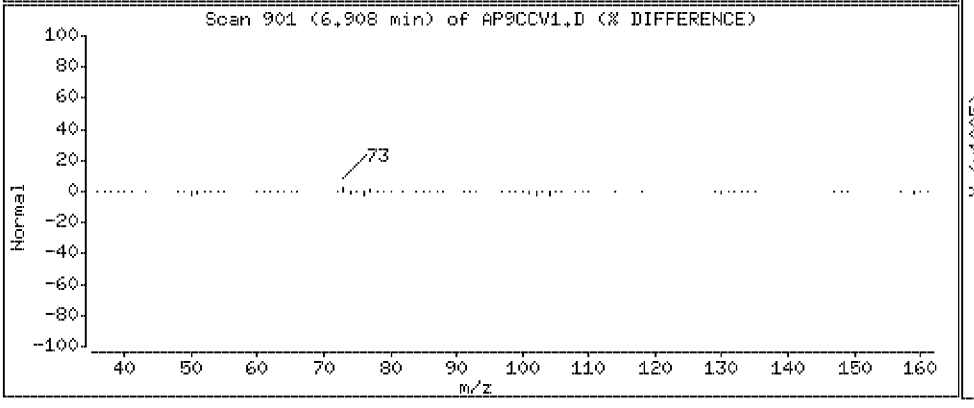
64 1,4-Naphthoquinone

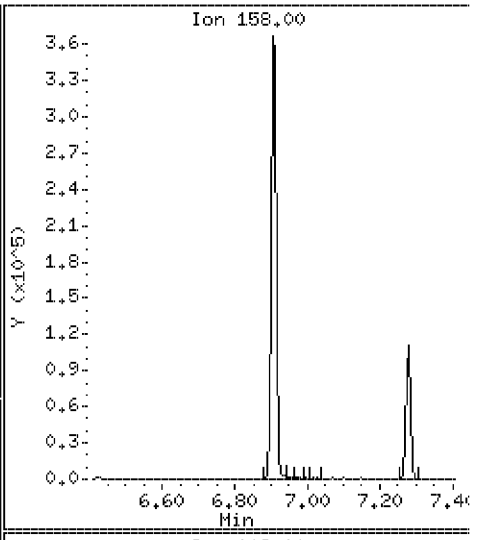
Concentration: 49.1 ug/l

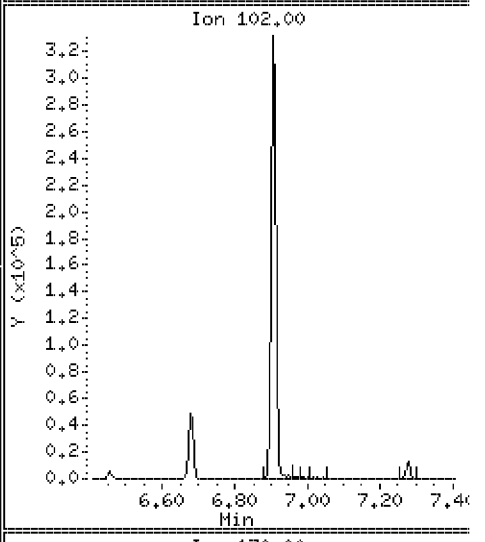


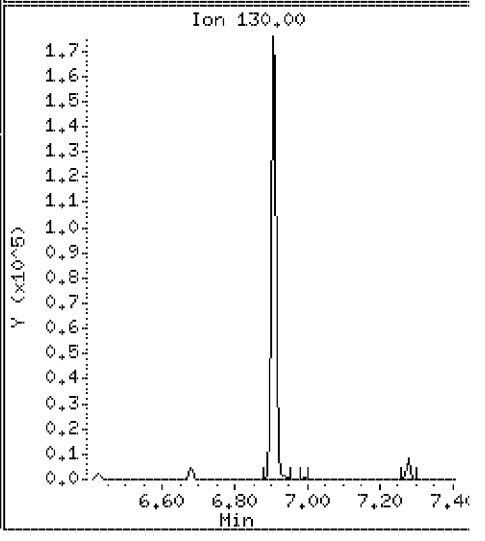












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

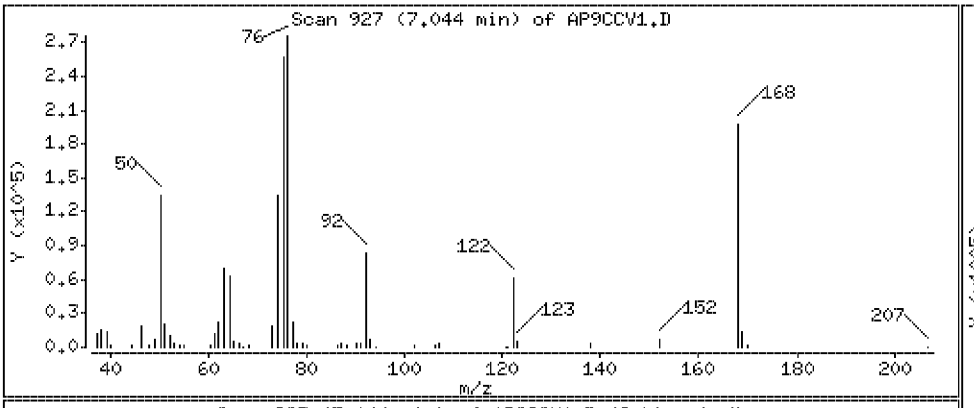
Operator: PEL

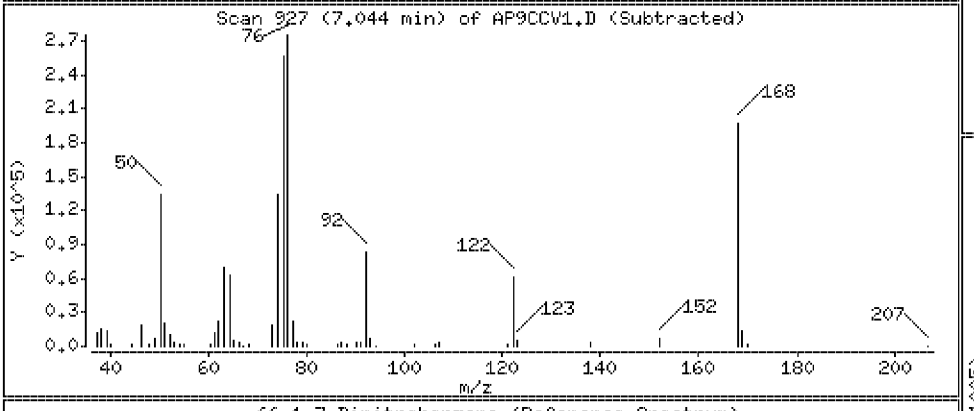
Column phase: HPMS-5

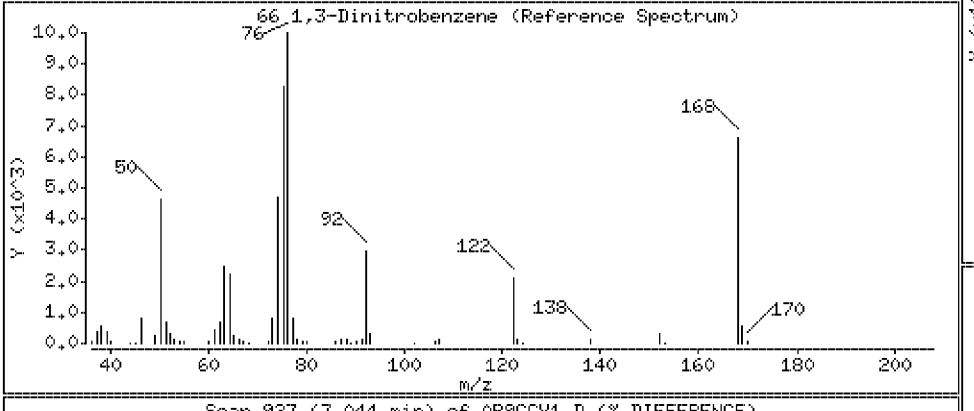
Column diameter: 0.25

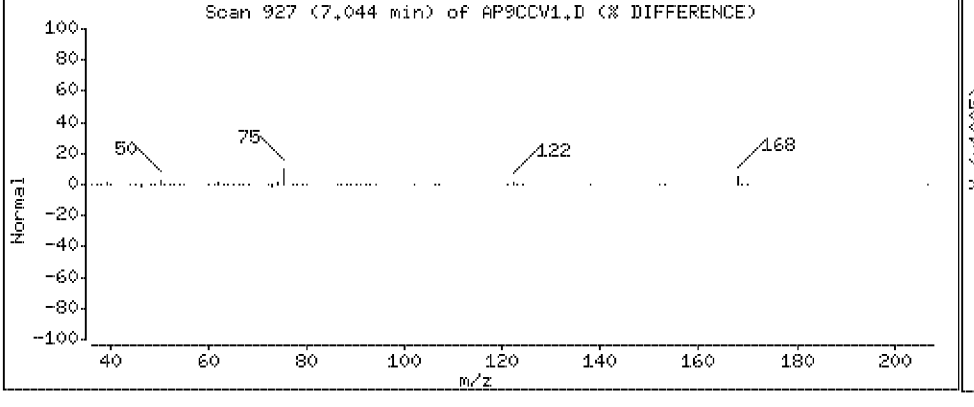
66 1,3-Dinitrobenzene

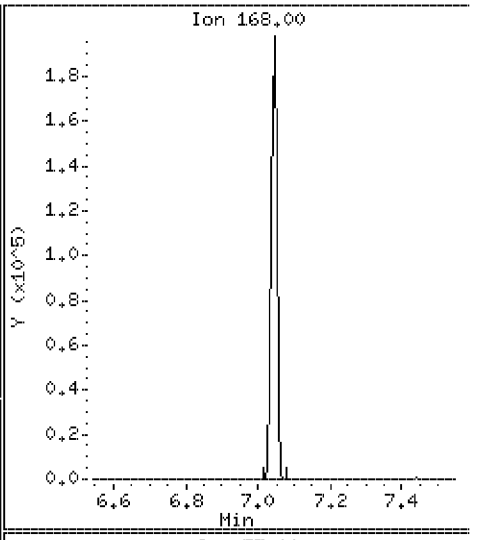
Concentration: 51.6 ug/l

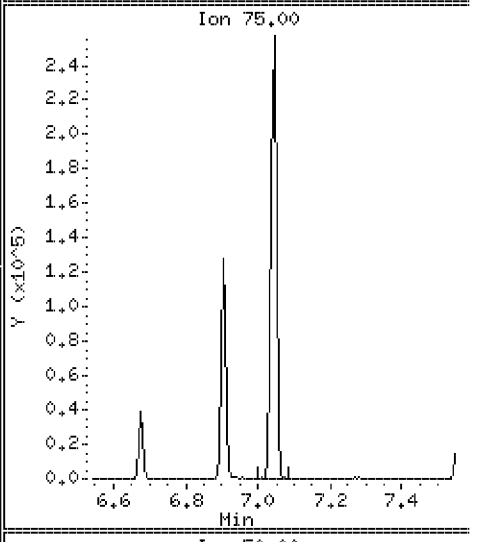


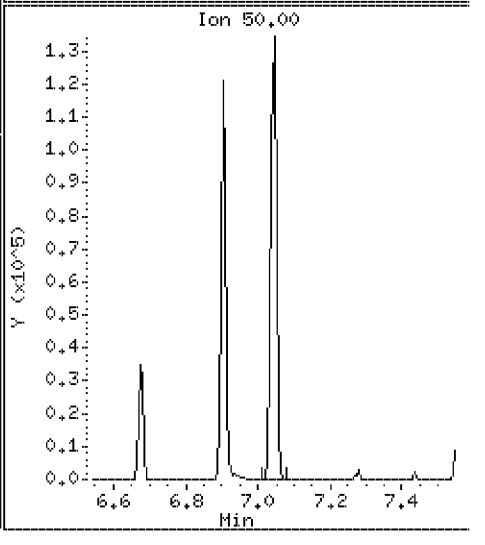












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

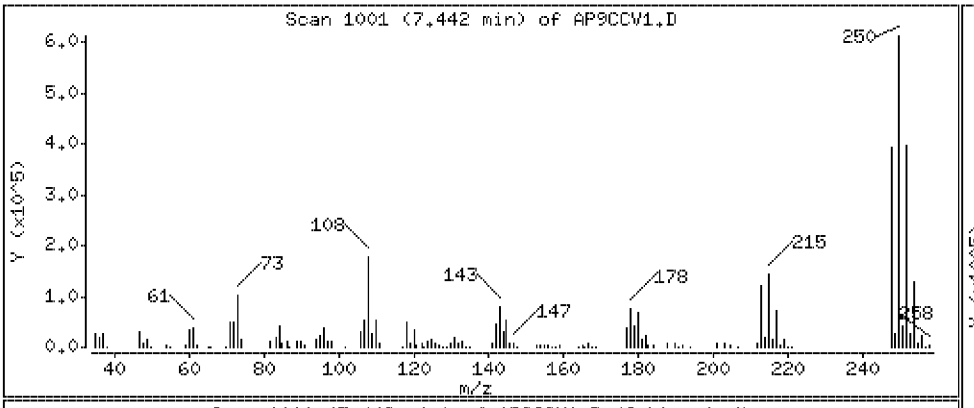
Operator: PEL

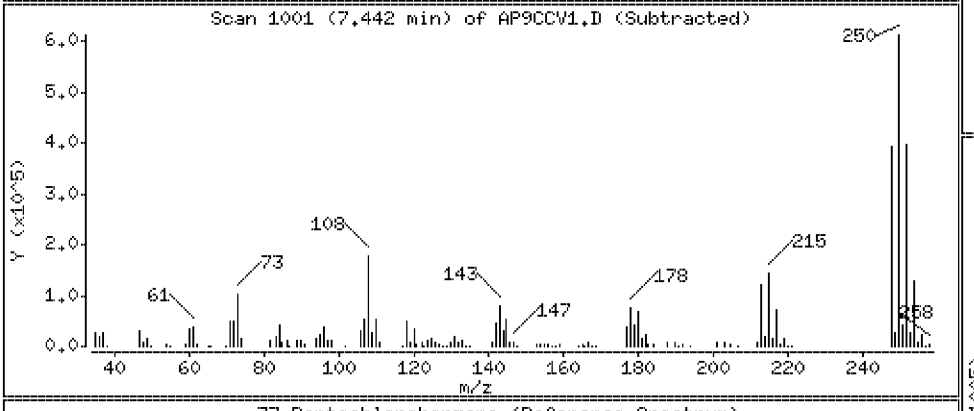
Column phase: HPMS-5

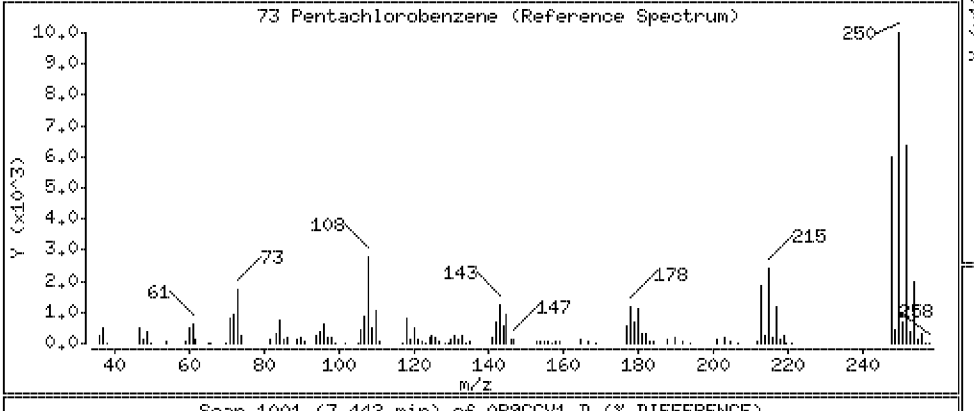
Column diameter: 0.25

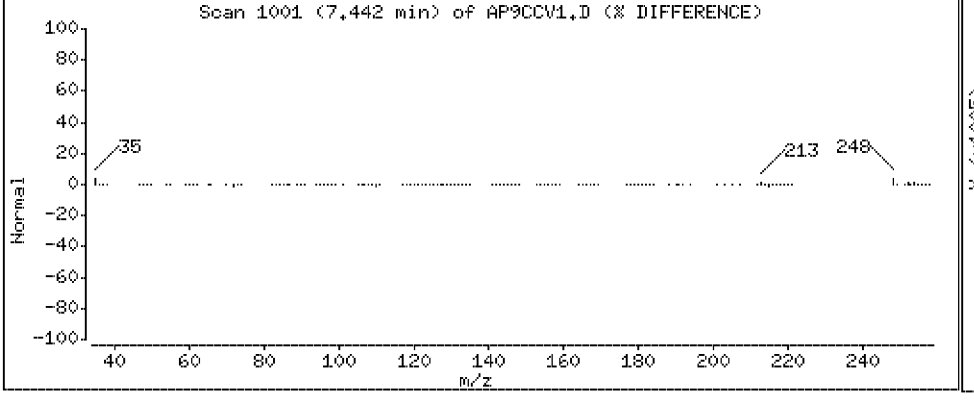
73 Pentachlorobenzene

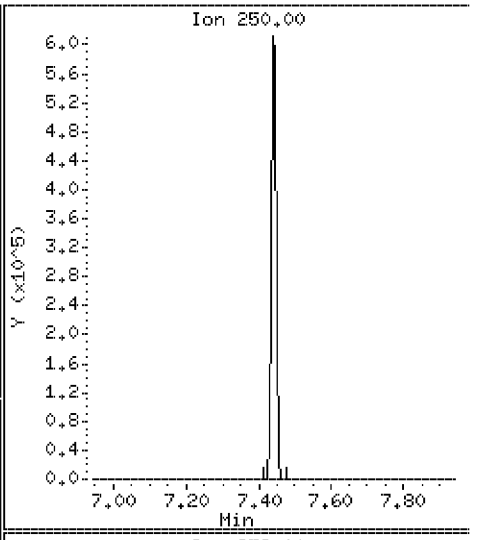
Concentration: 46.0 ug/l

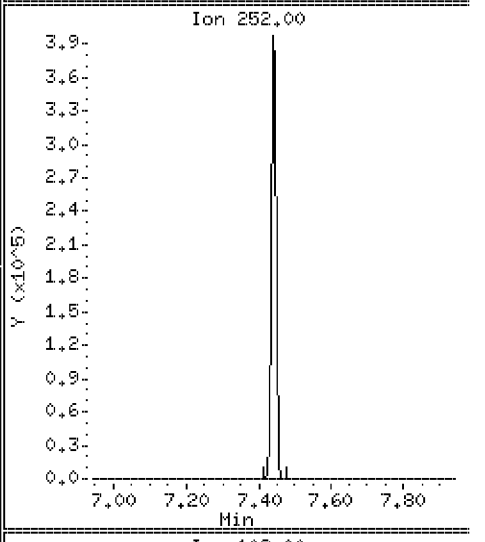


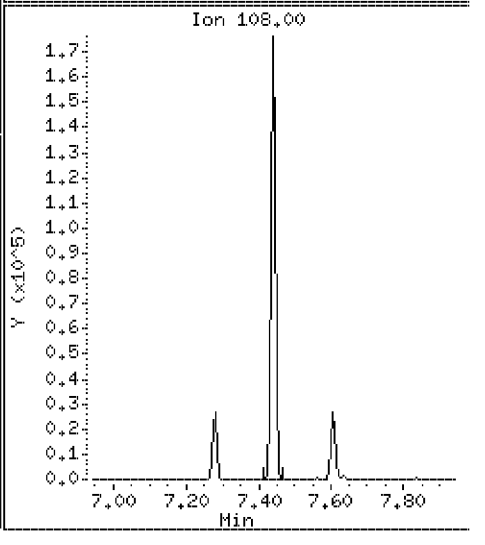












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Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

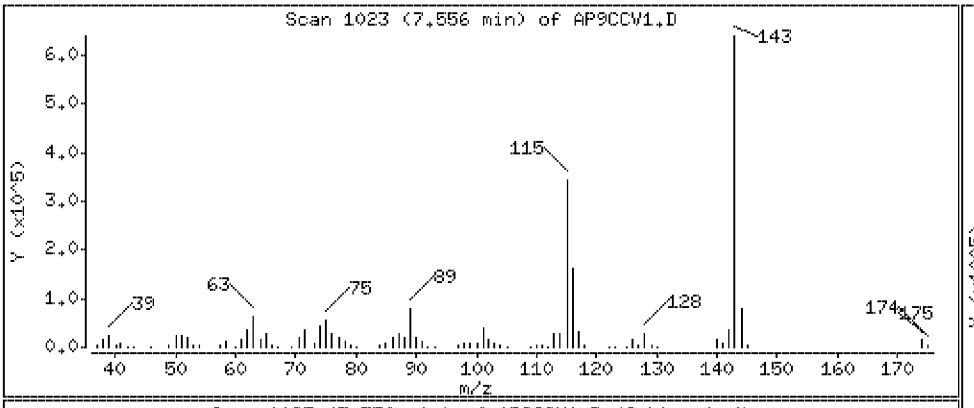
Operator: PEL

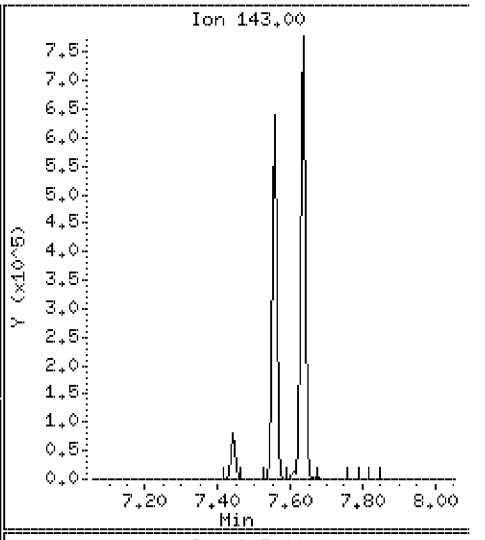
Column phase: HPMS-5

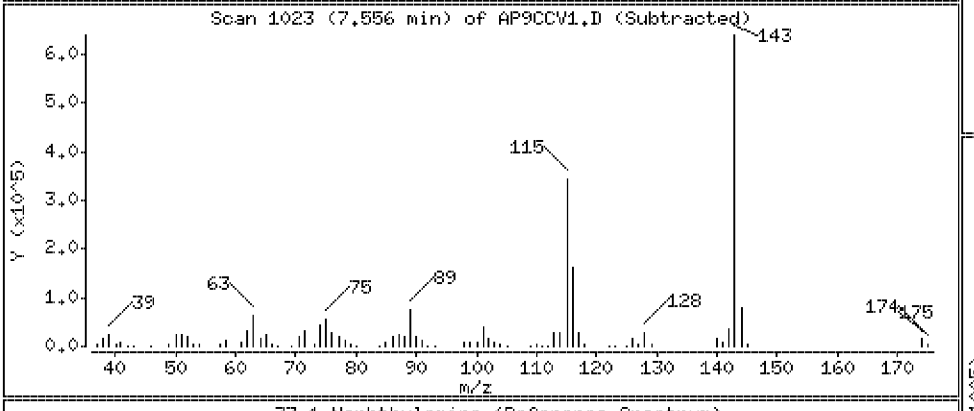
Column diameter: 0.25

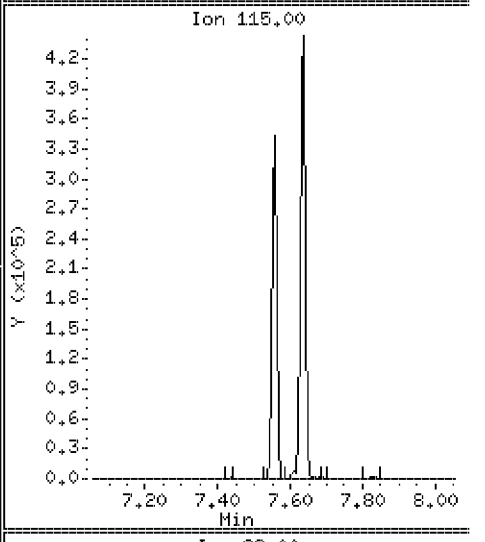
77 1-Naphthylamine

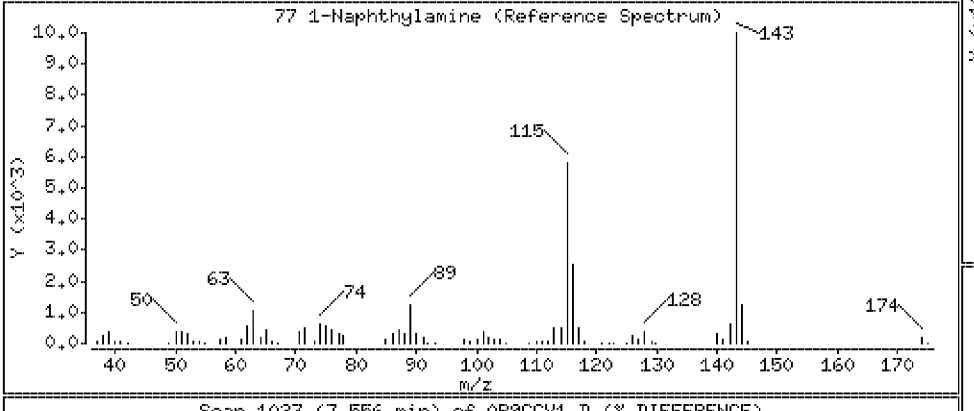
Concentration: 47.9 ug/l

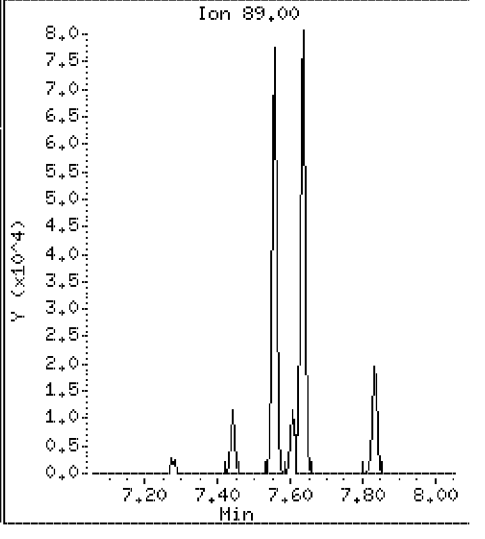


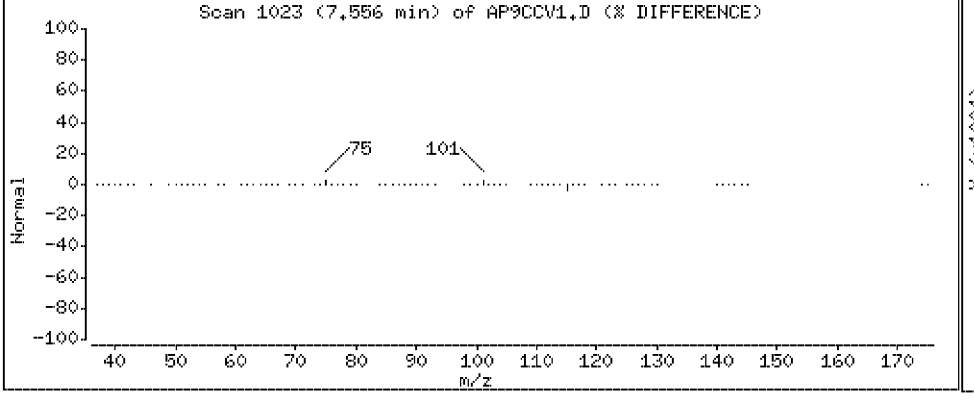












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Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

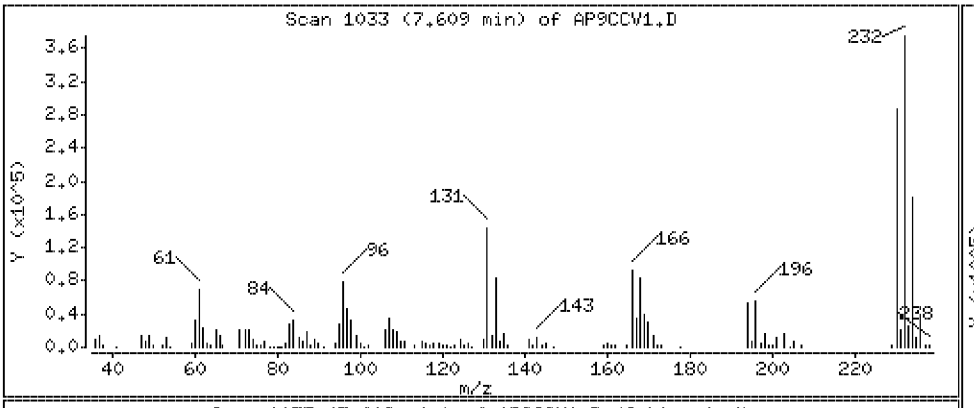
Operator: PEL

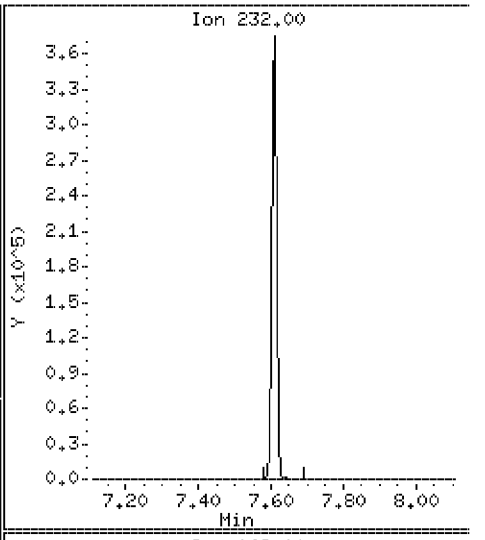
Column phase: HPMS-5

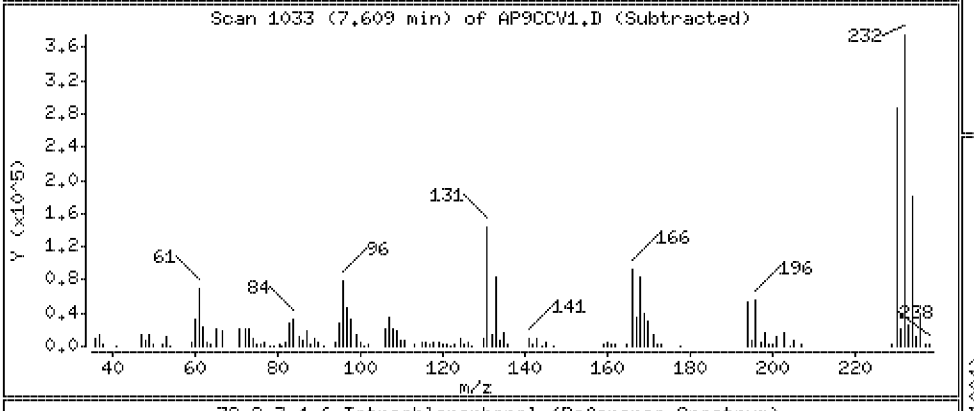
Column diameter: 0.25

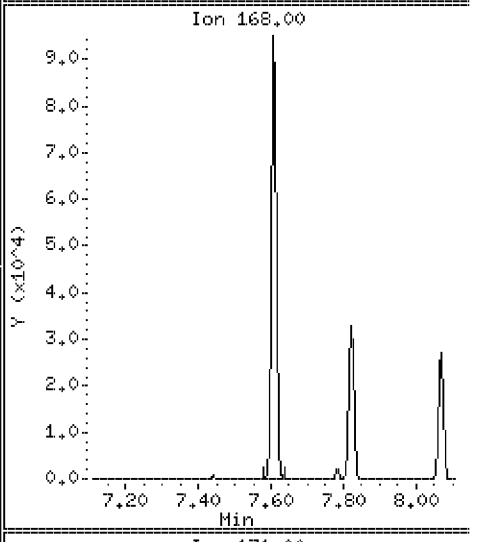
78 2,3,4,6-Tetrachlorophenol

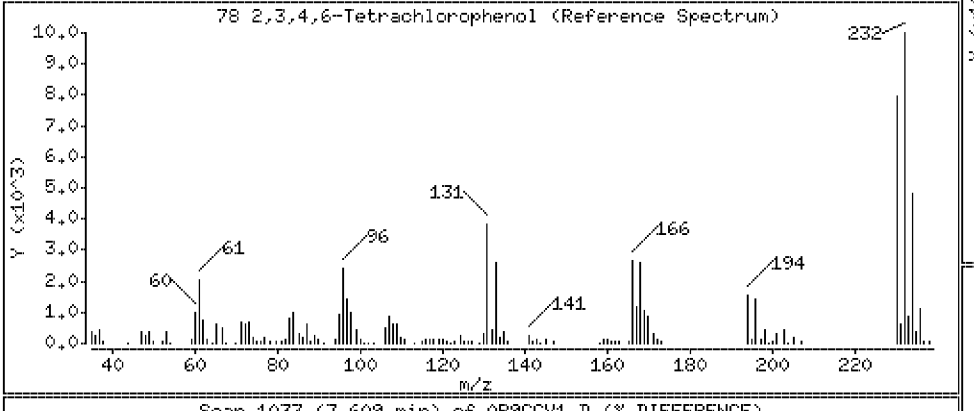
Concentration: 51.5 ug/l

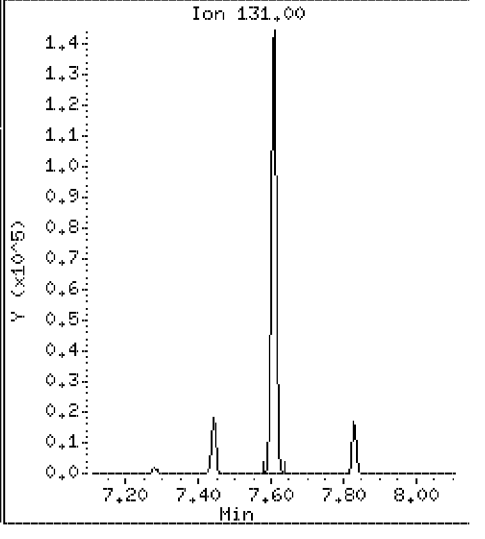


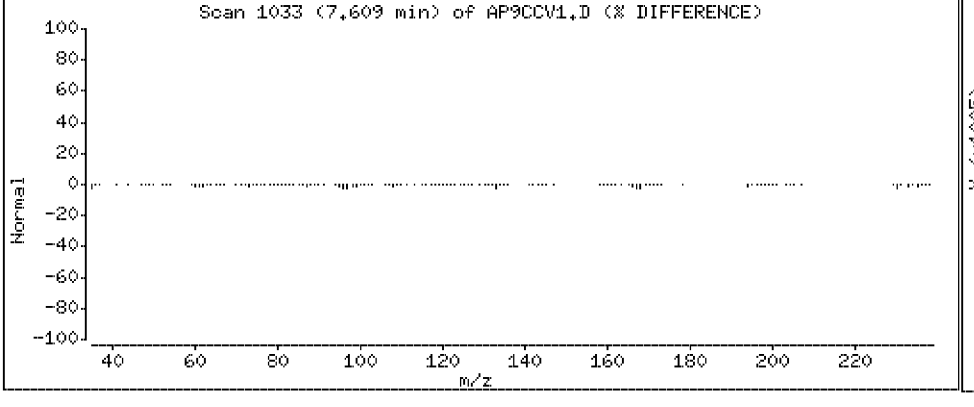












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

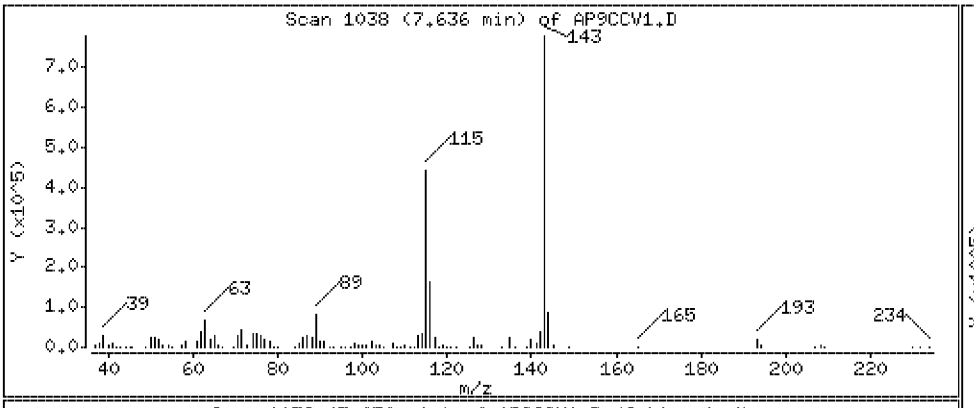
Operator: PEL

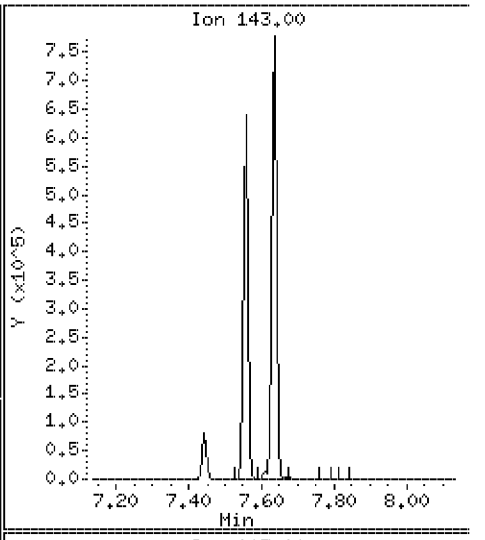
Column phase: HPMS-5

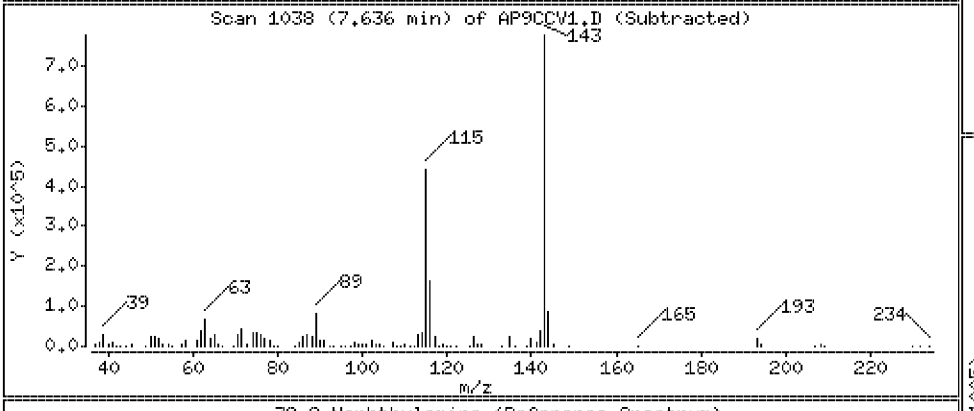
Column diameter: 0.25

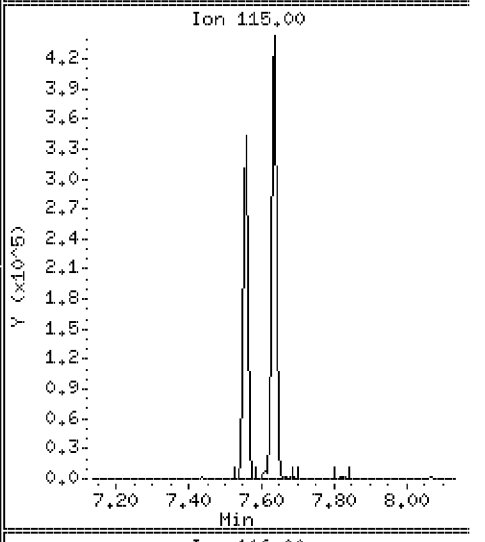
79 2-Naphthylamine

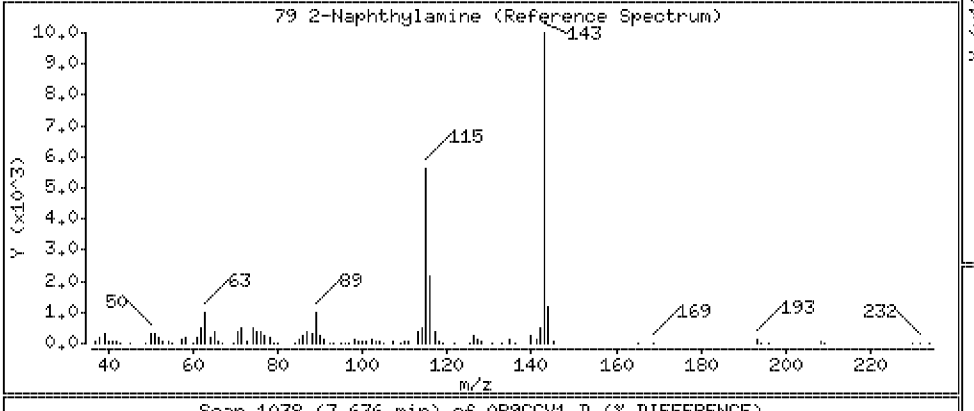
Concentration: 47.1 ug/l

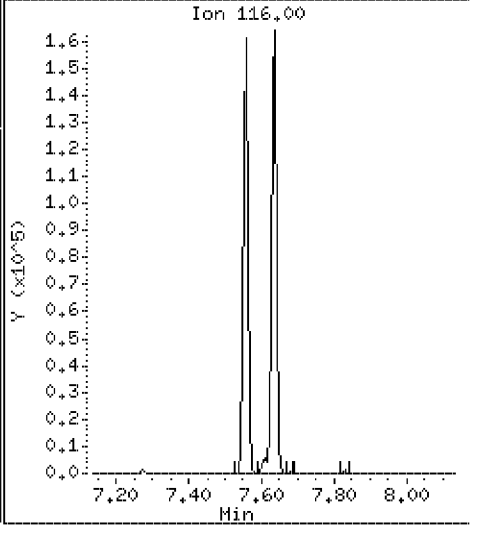


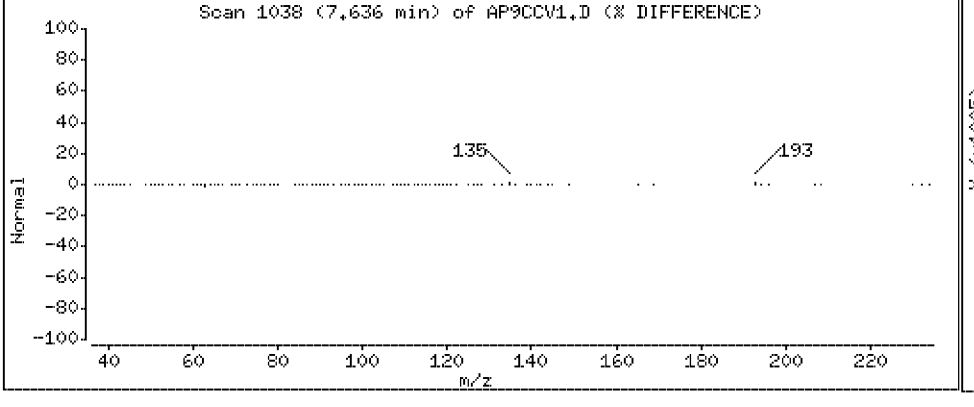












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Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

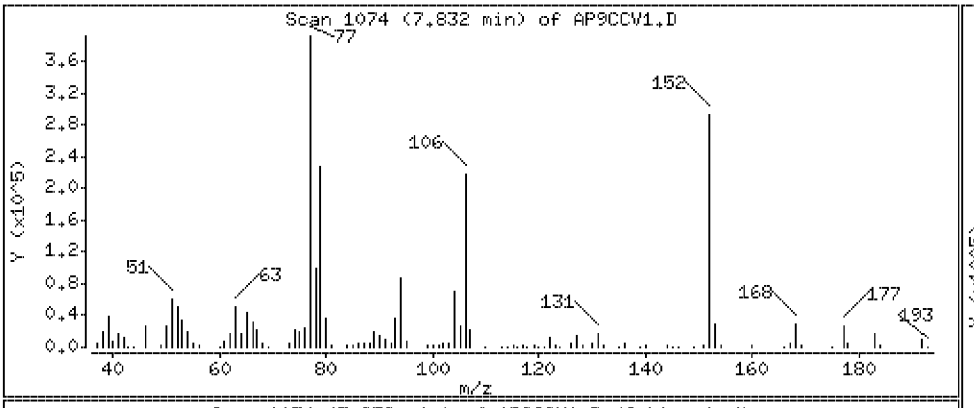
Operator: PEL

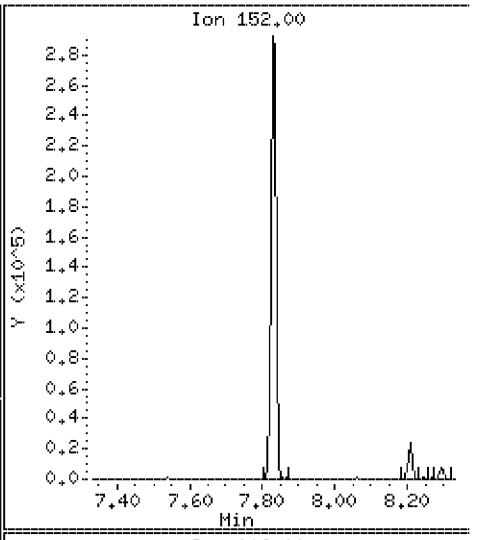
Column phase: HPMS-5

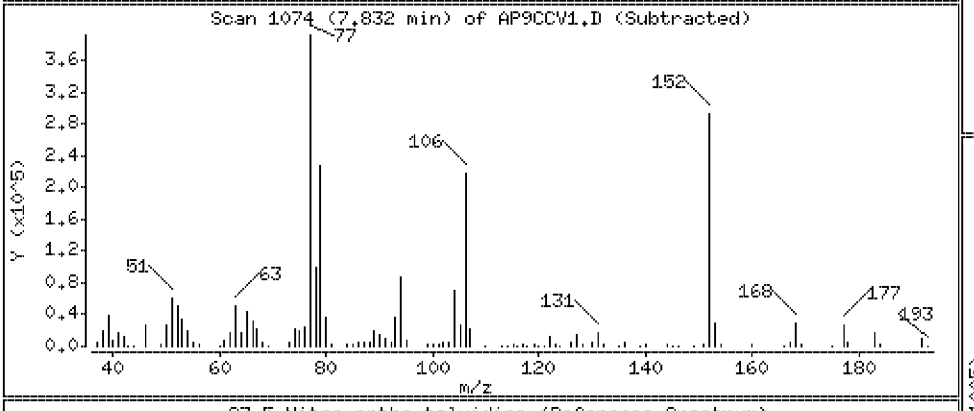
Column diameter: 0.25

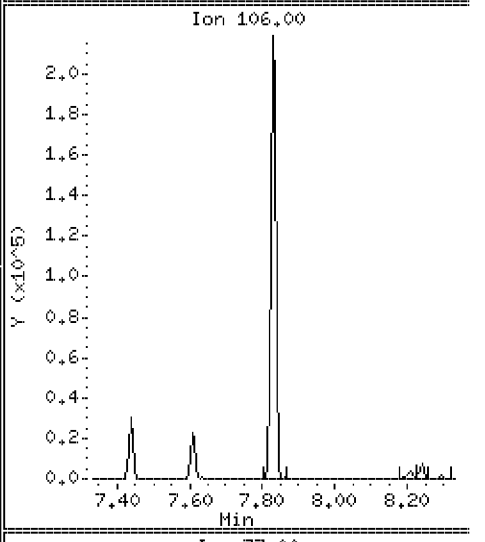
83 5-Nitro-ortho-toluidine

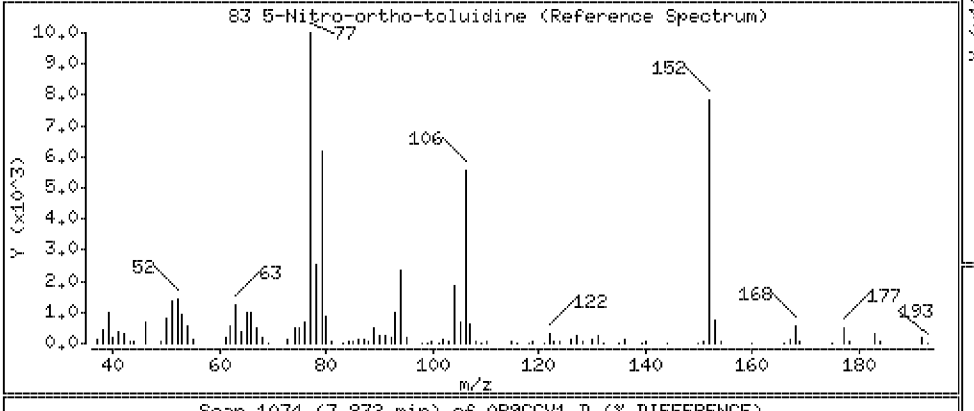
Concentration: 48.3 ug/l

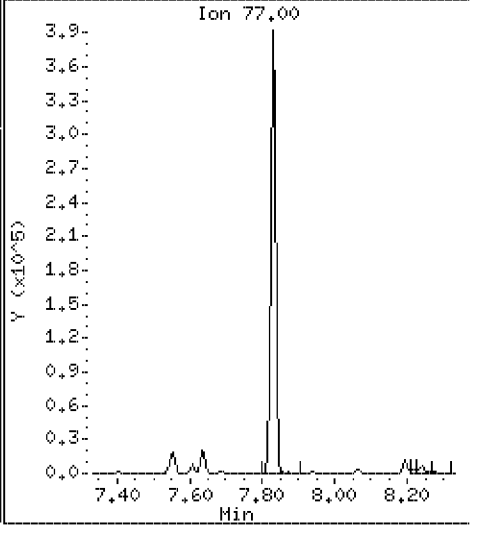


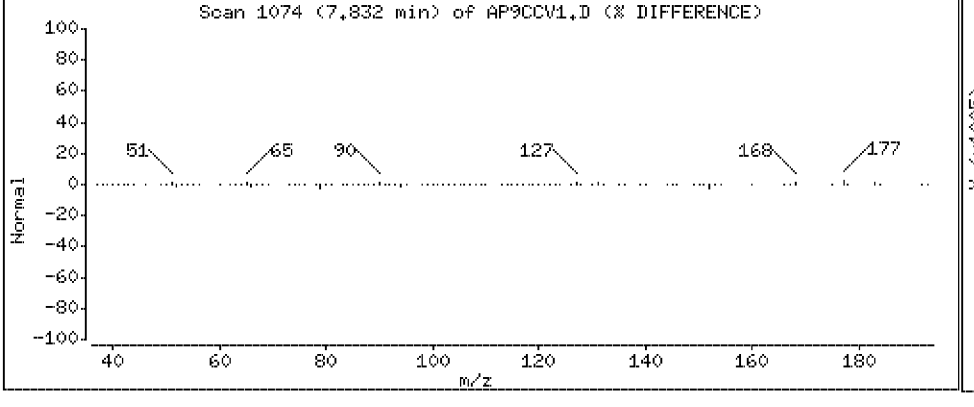












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Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

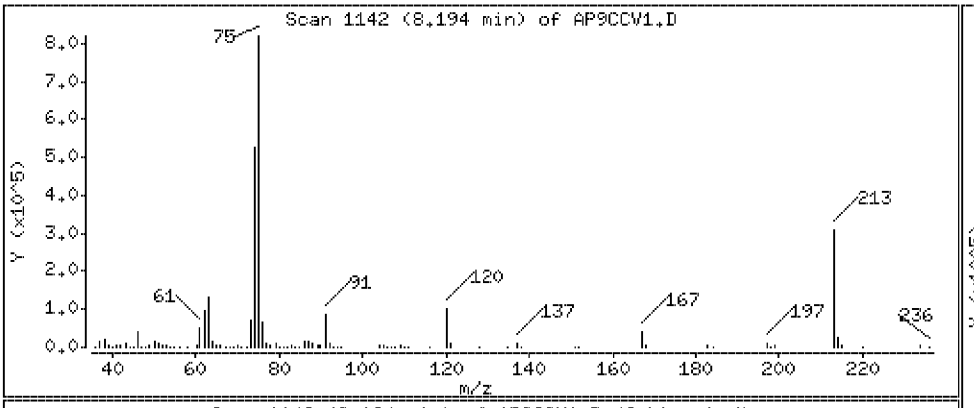
Operator: PEL

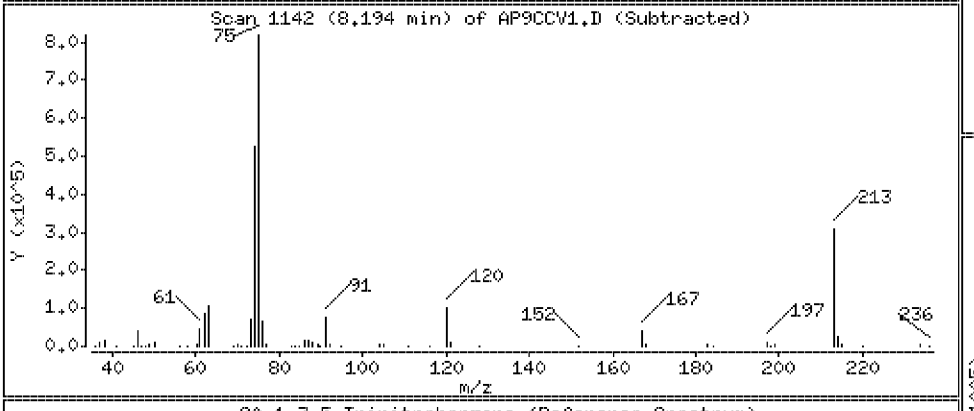
Column phase: HPMS-5

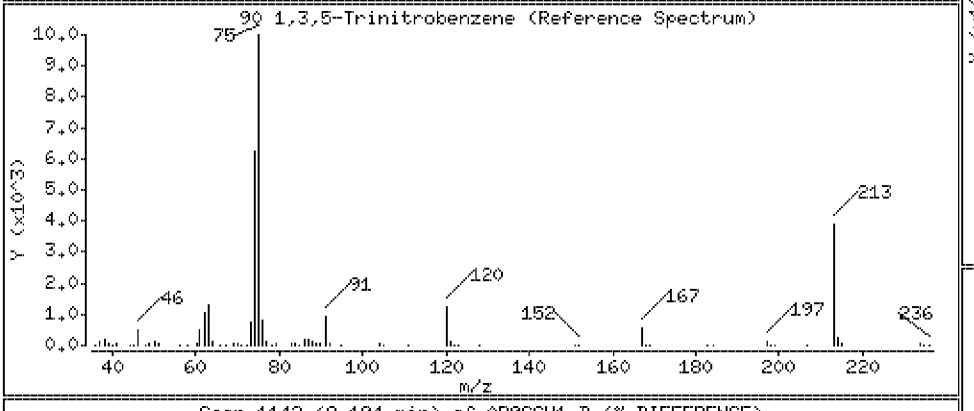
Column diameter: 0.25

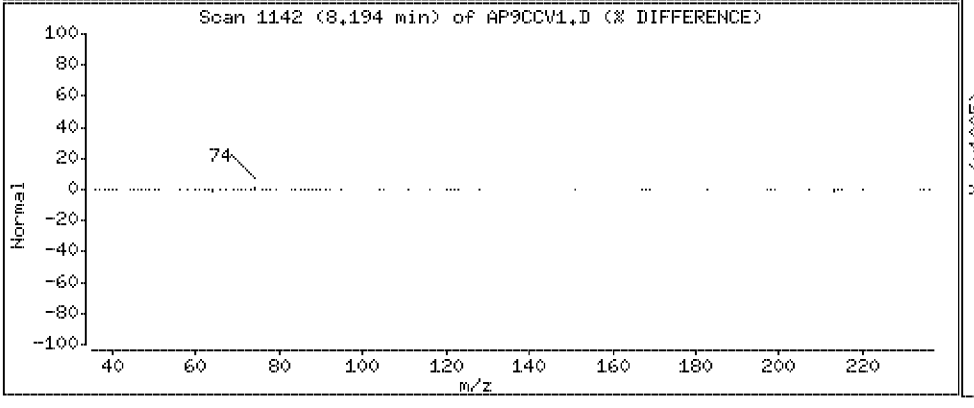
90 1,3,5-Trinitrobenzene

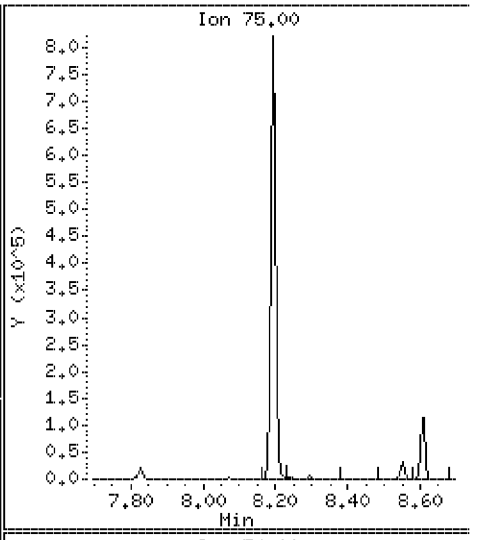
Concentration: 46.6 ug/l

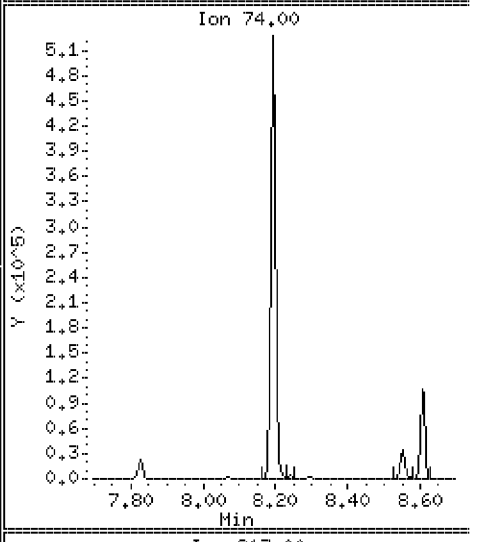


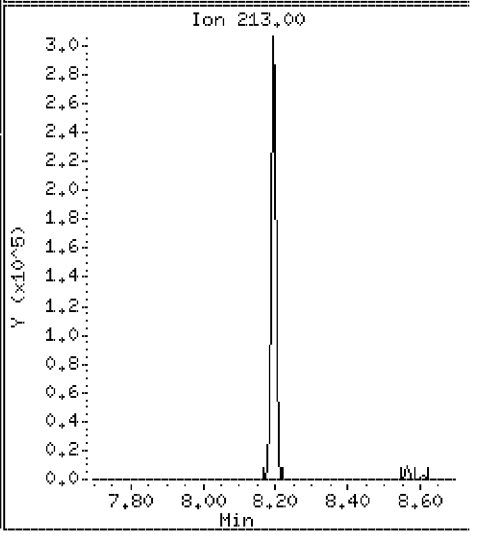












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

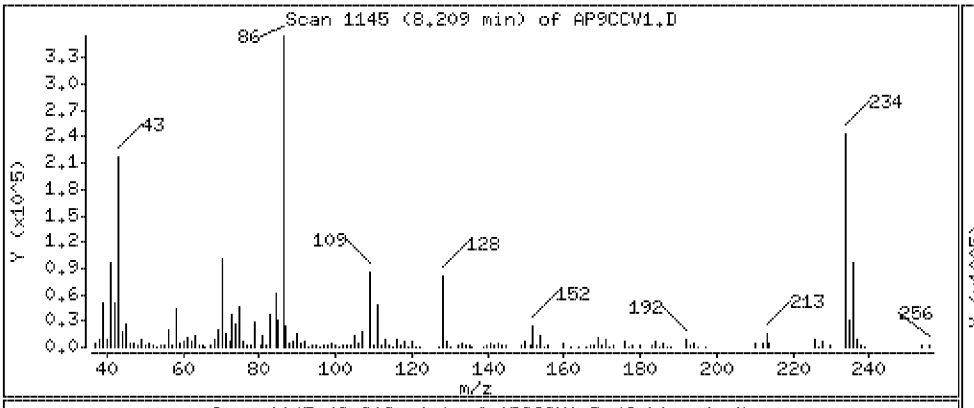
Operator: PEL

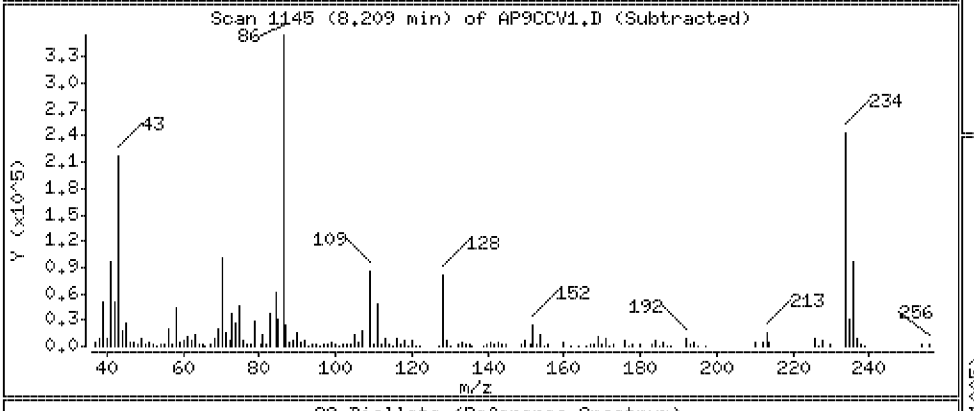
Column phase: HPMS-5

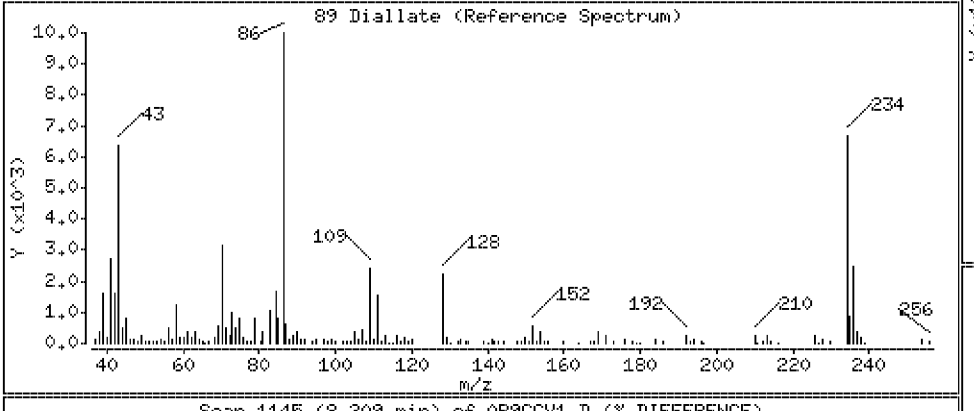
Column diameter: 0.25

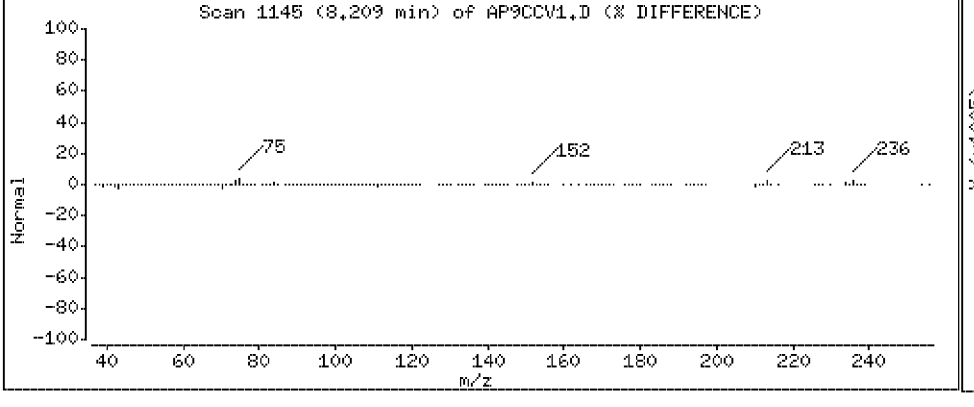
89 Diallate

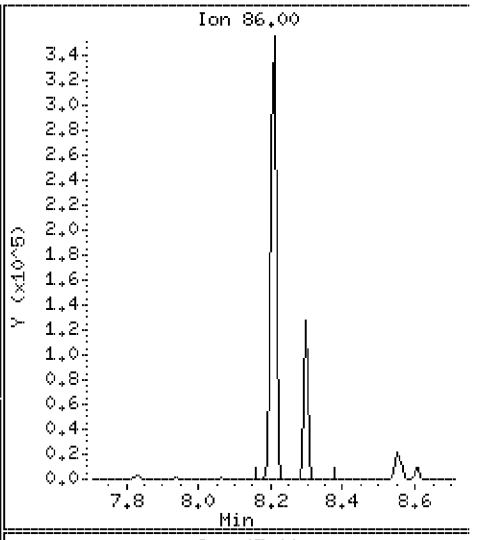
Concentration: 47.5 ug/l

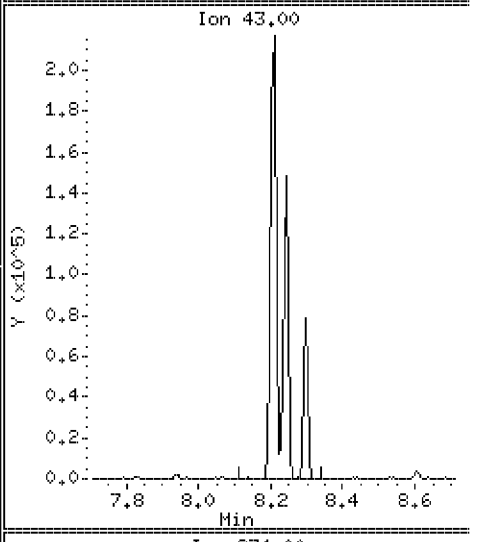


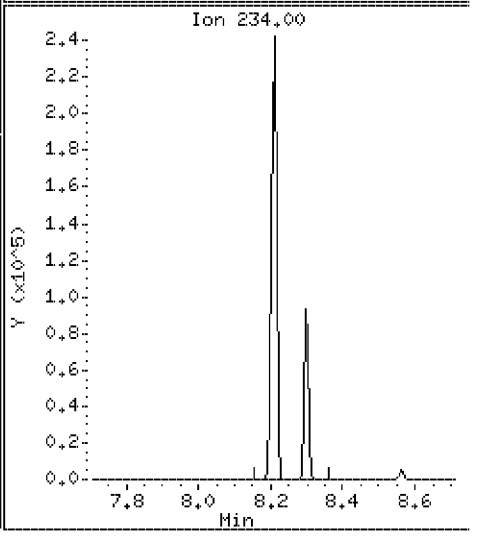












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

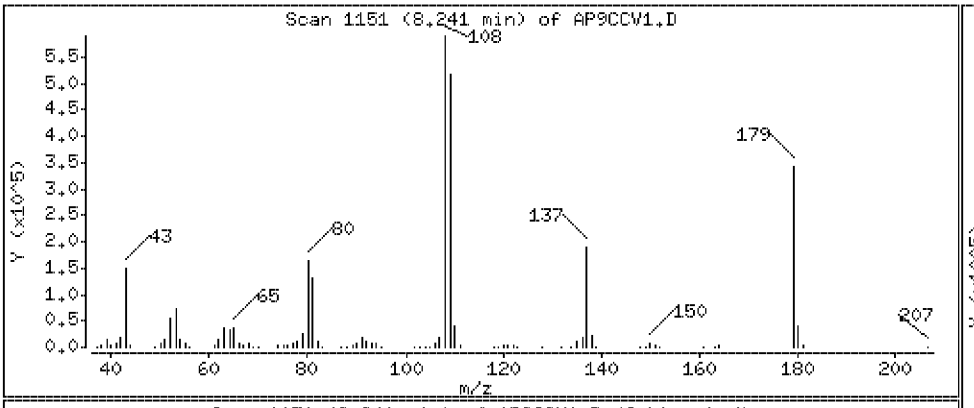
Operator: PEL

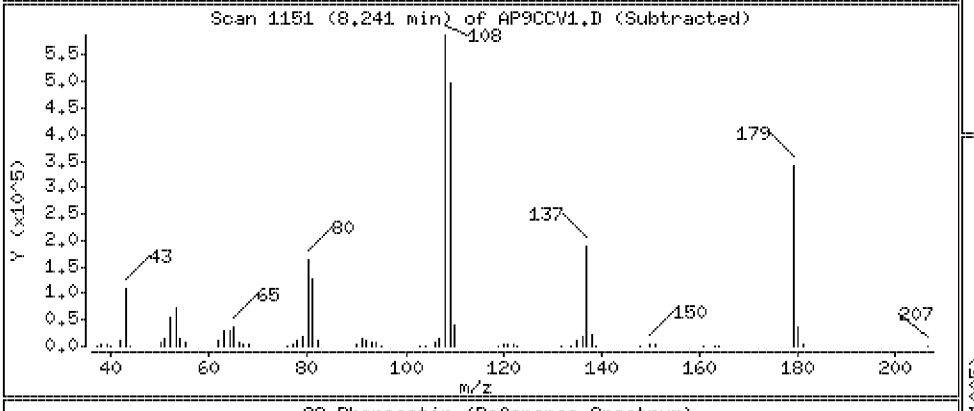
Column phase: HPMS-5

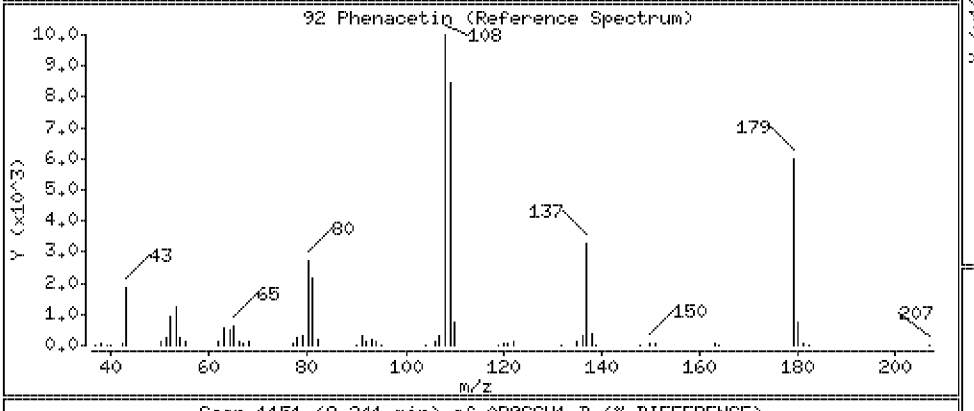
Column diameter: 0.25

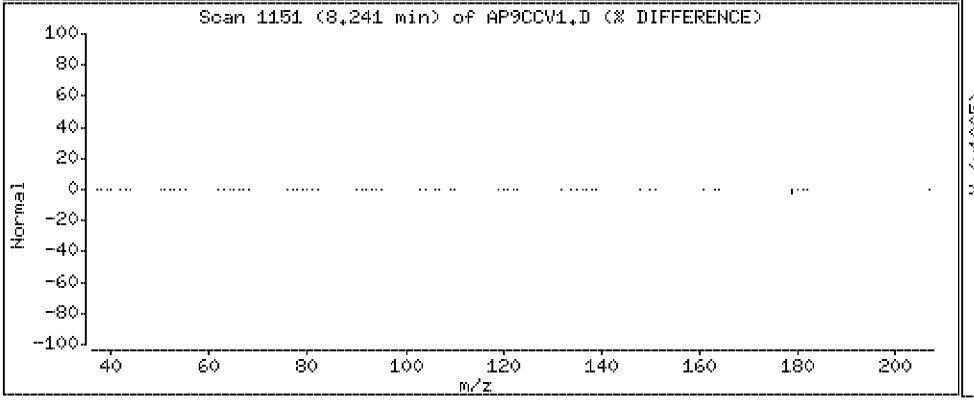
92 Phenacetin

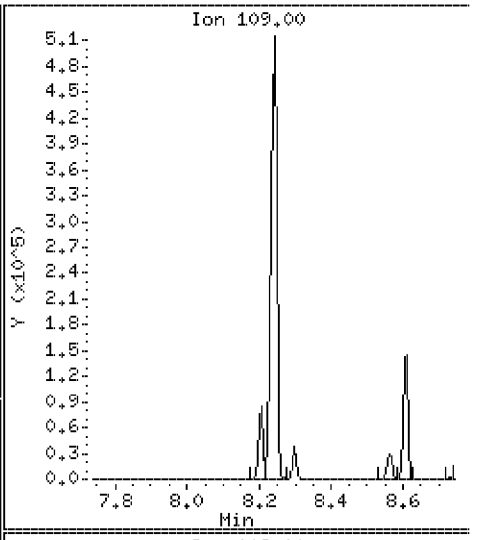
Concentration: 47.1 ug/l

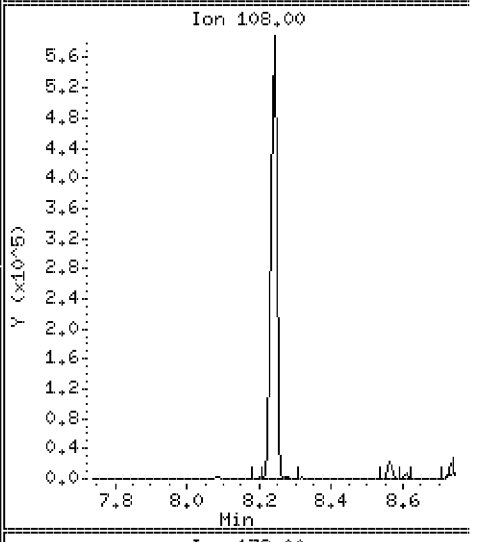


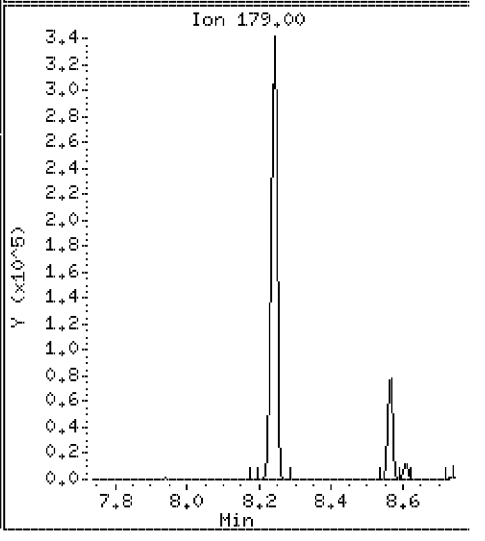












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

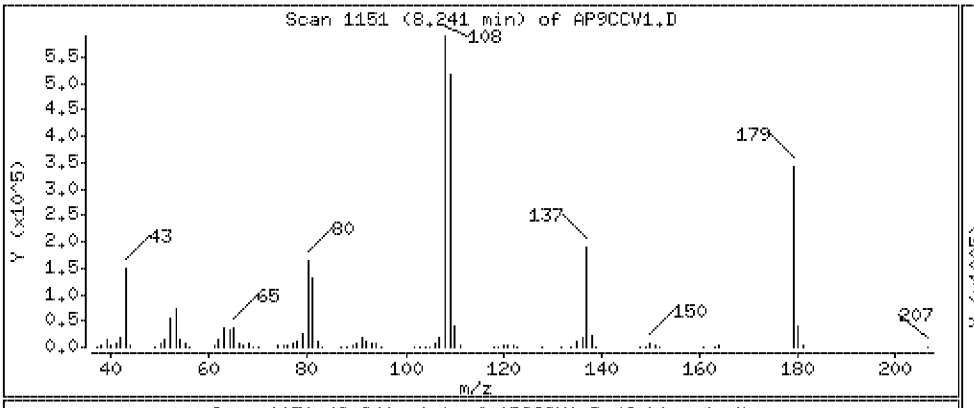
Operator: PEL

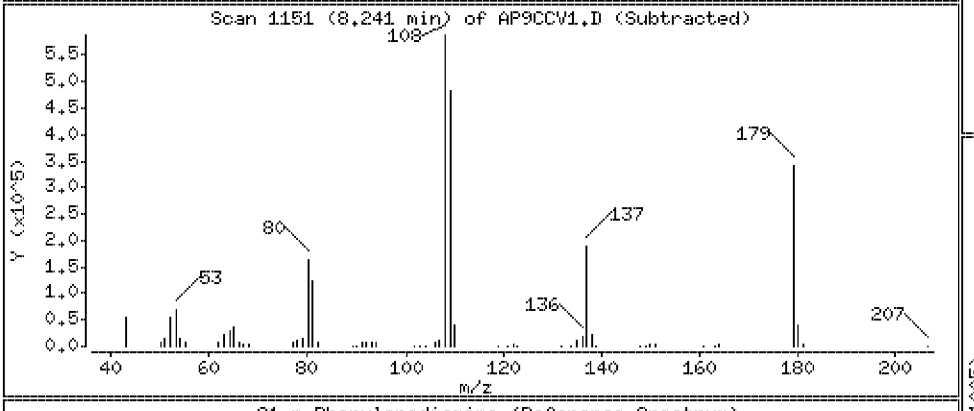
Column phase: HPMS-5

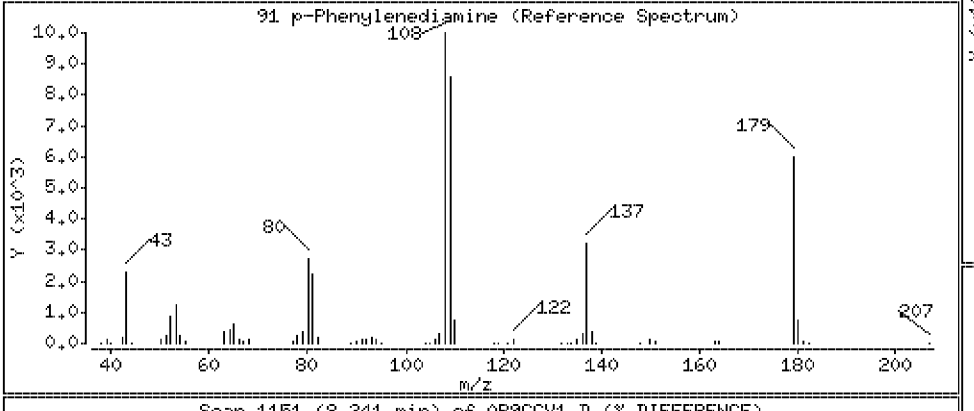
Column diameter: 0.25

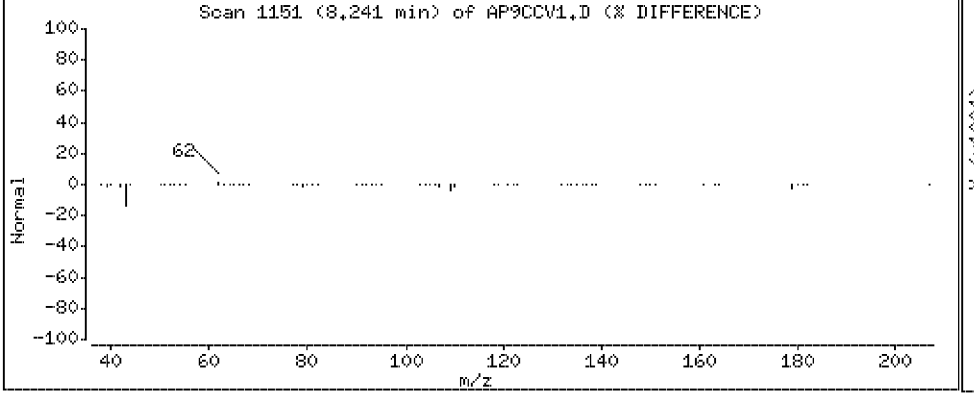
91 p-Phenylenediamine

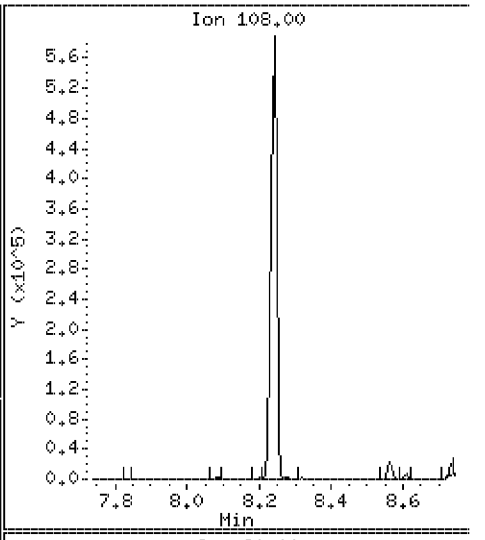
Concentration: 48.5 ug/l

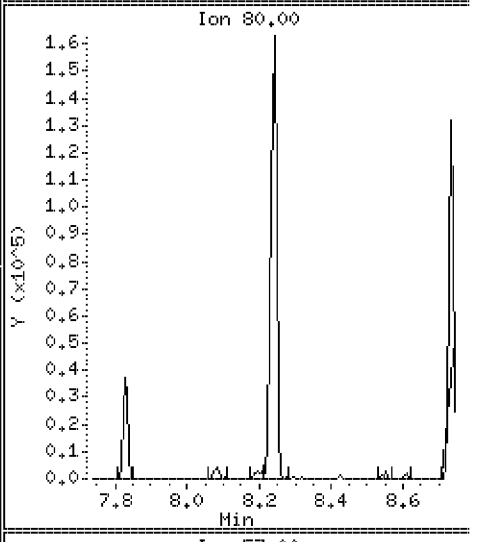


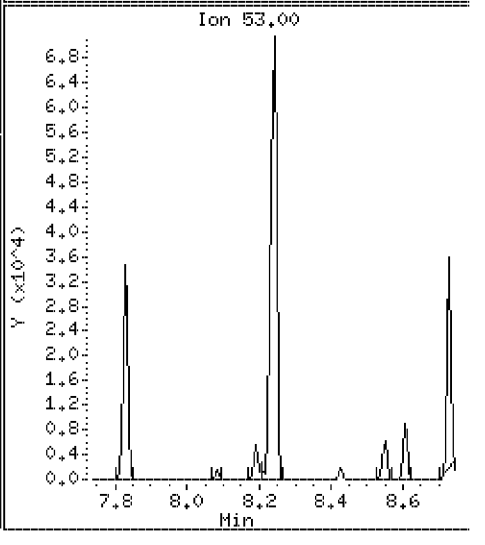












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

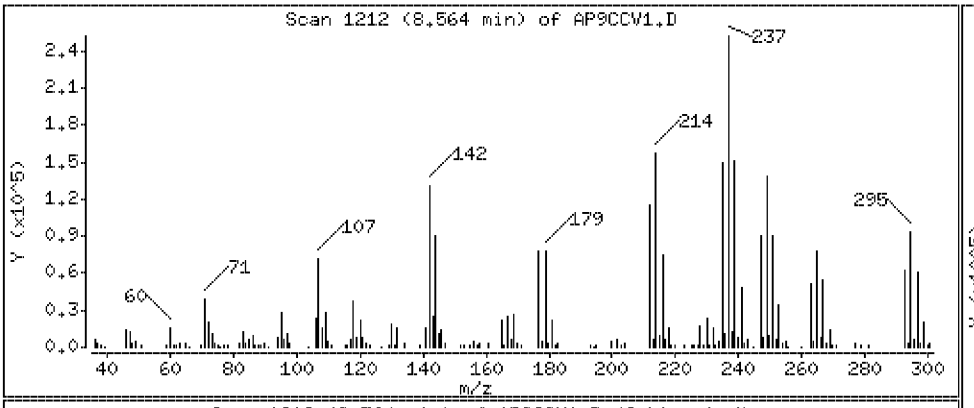
Operator: PEL

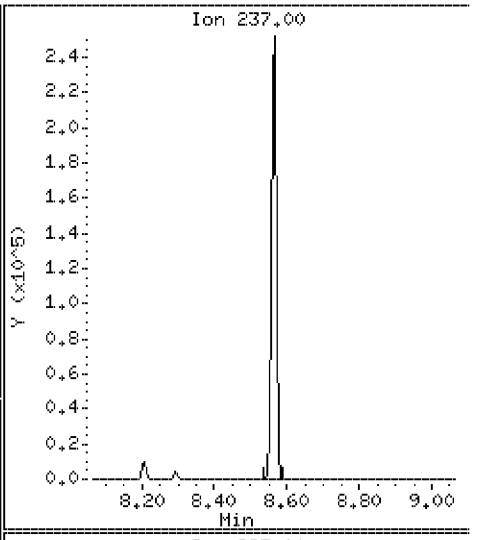
Column phase: HPMS-5

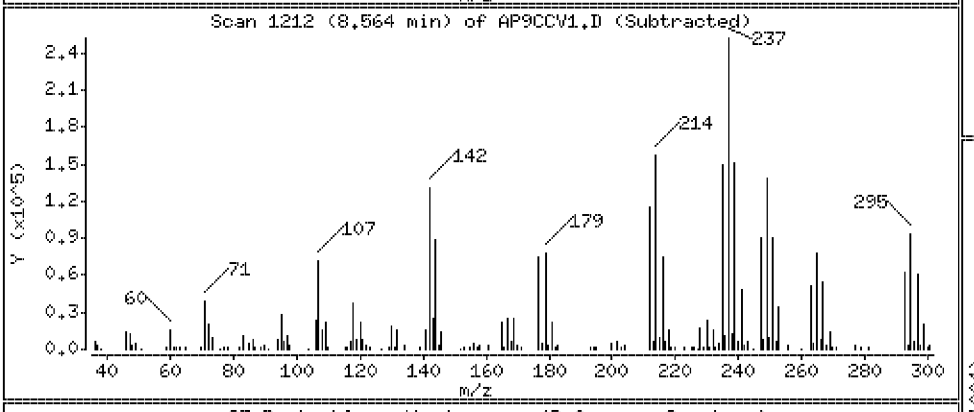
Column diameter: 0.25

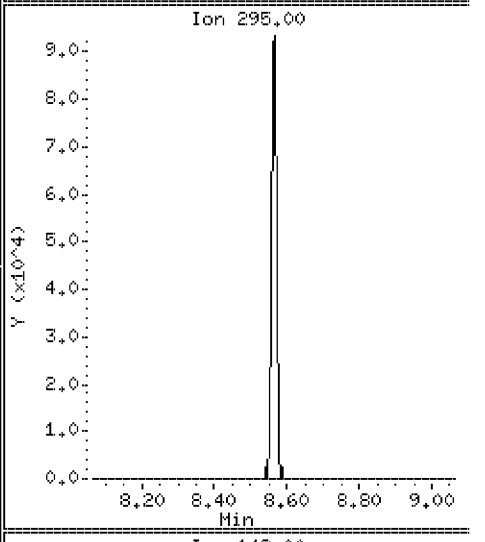
97 Pentachloronitrobenzene

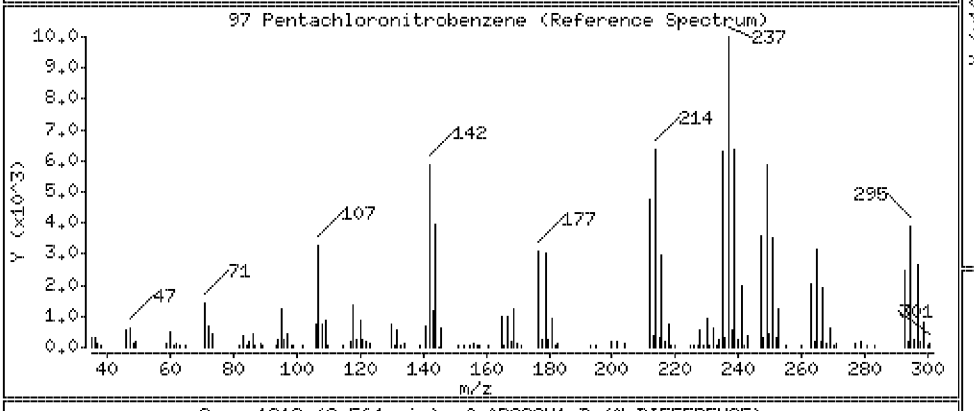
Concentration: 46.1 ug/l

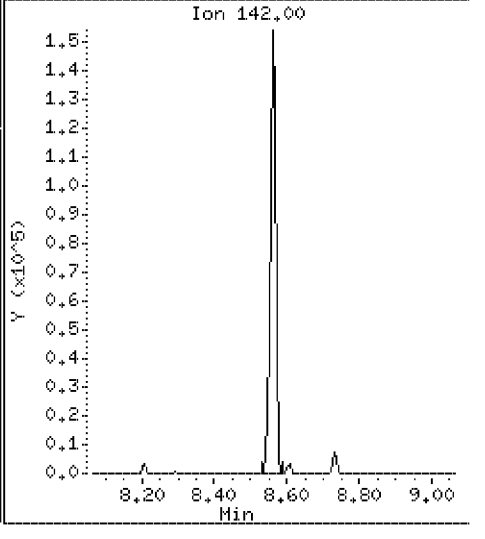


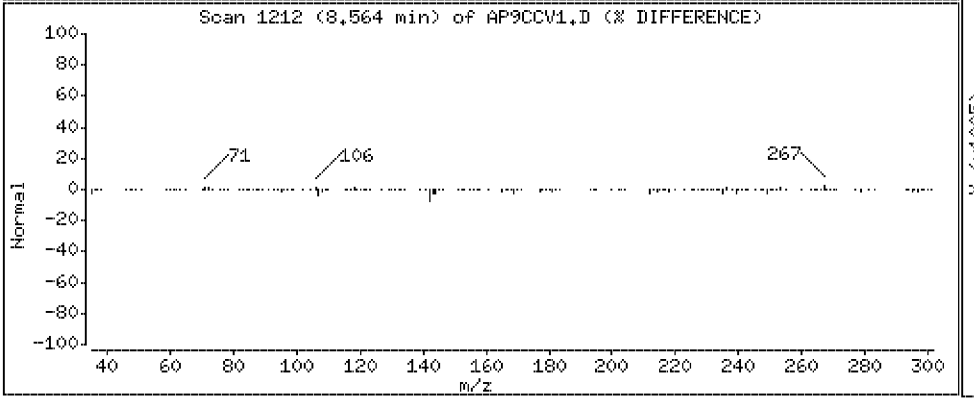












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

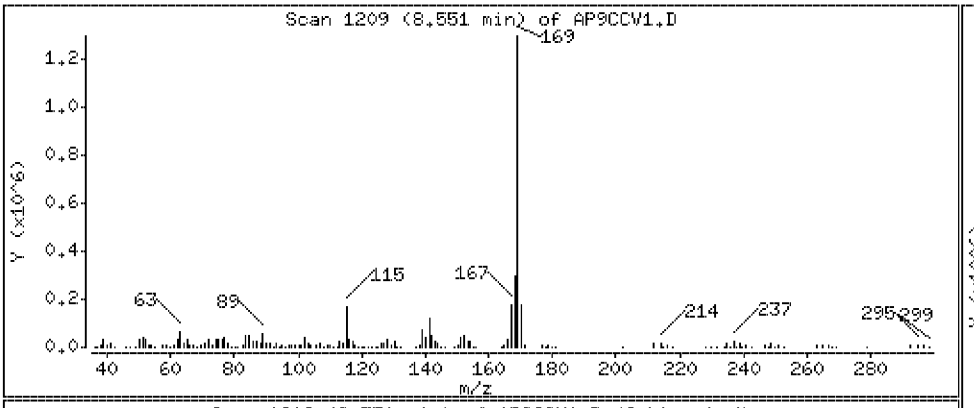
Operator: PEL

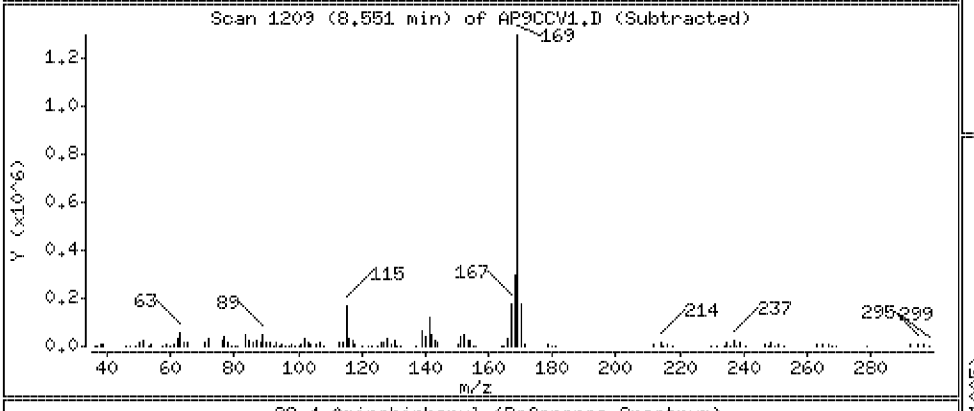
Column phase: HPMS-5

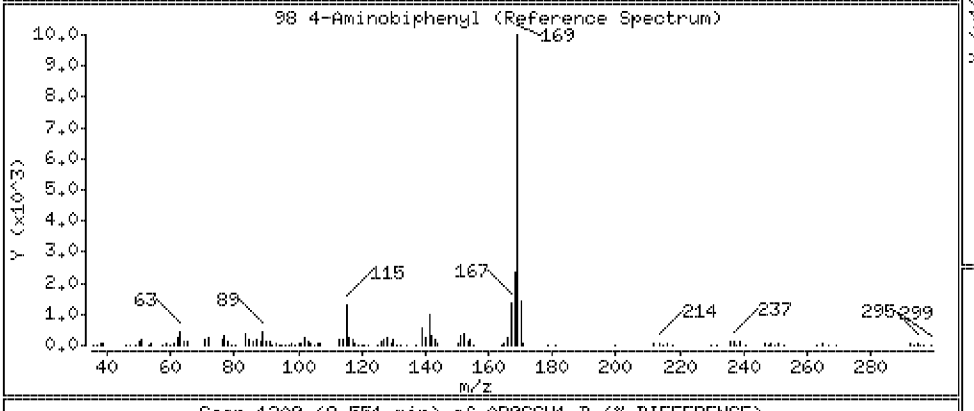
Column diameter: 0.25

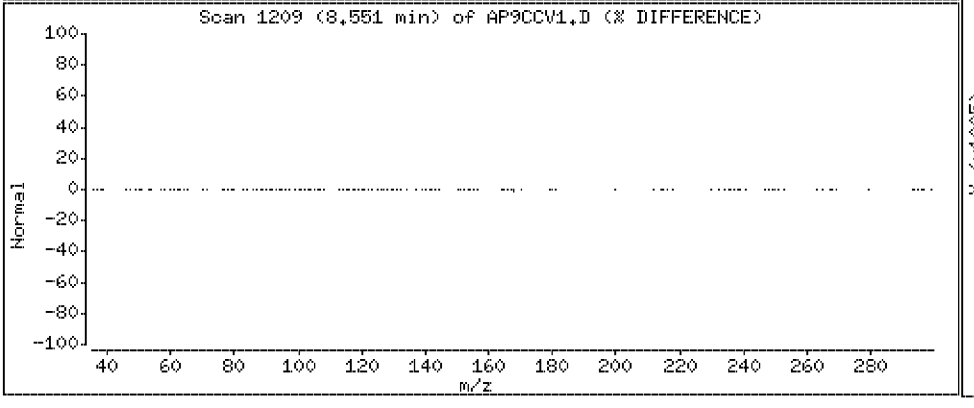
98 4-Aminobiphenyl

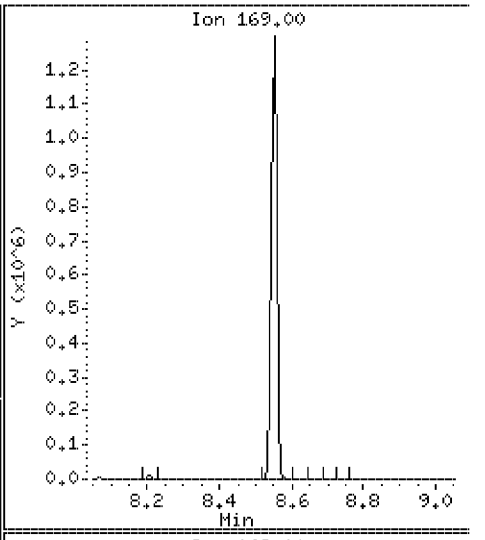
Concentration: 45.3 ug/l

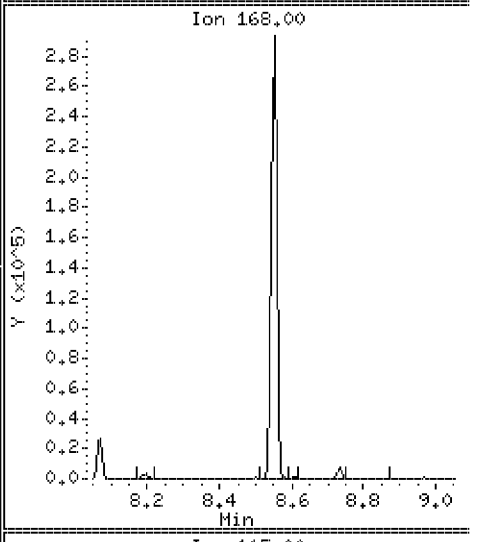


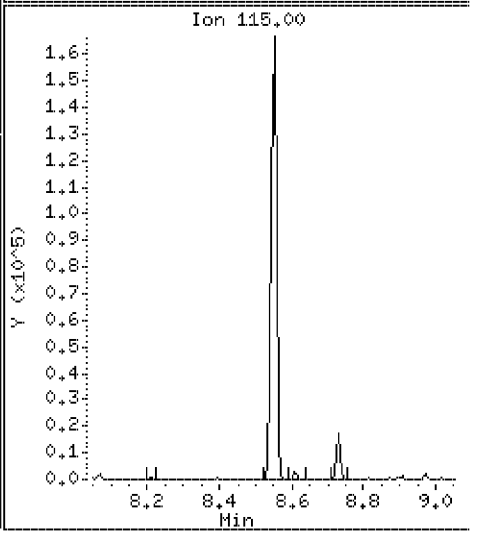












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

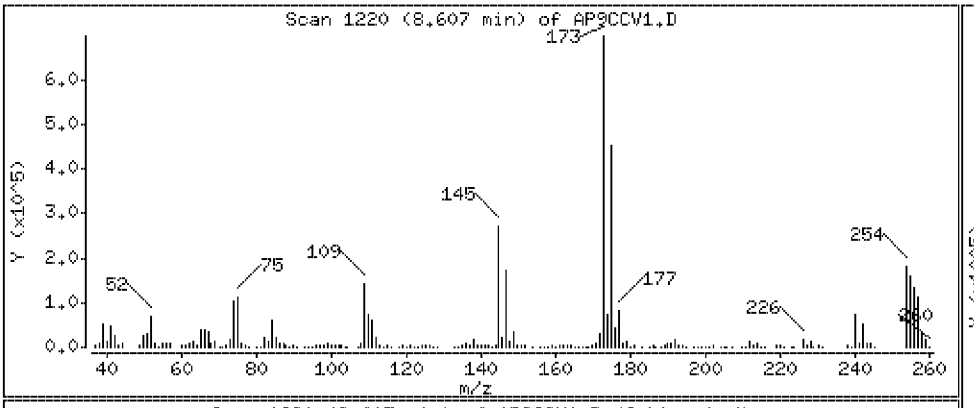
Operator: PEL

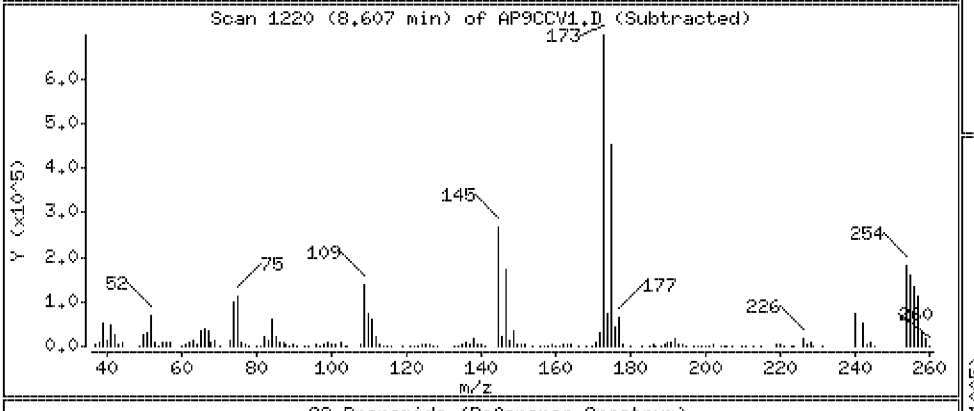
Column phase: HPMS-5

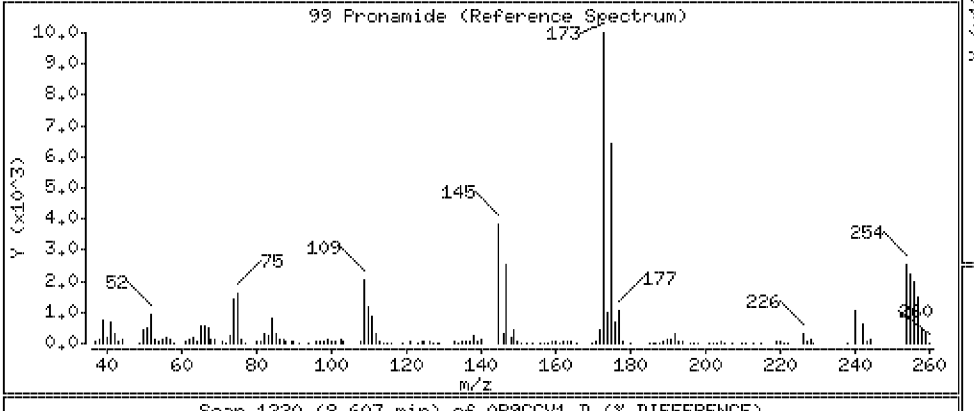
Column diameter: 0.25

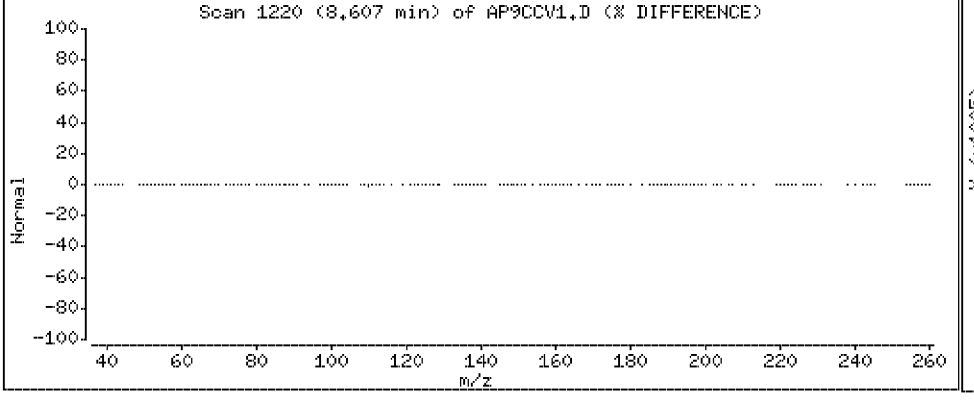
99 Pronamide

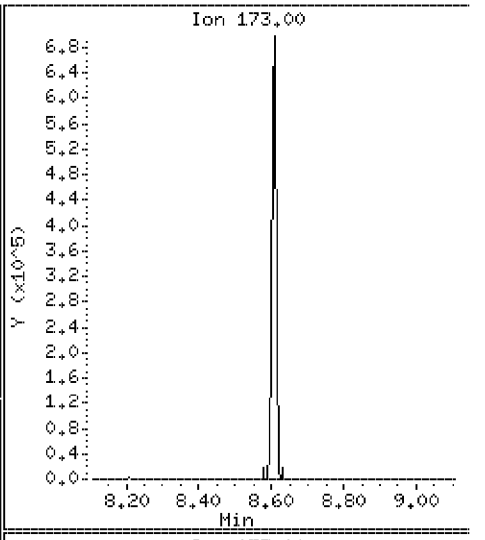
Concentration: 47.2 ug/l

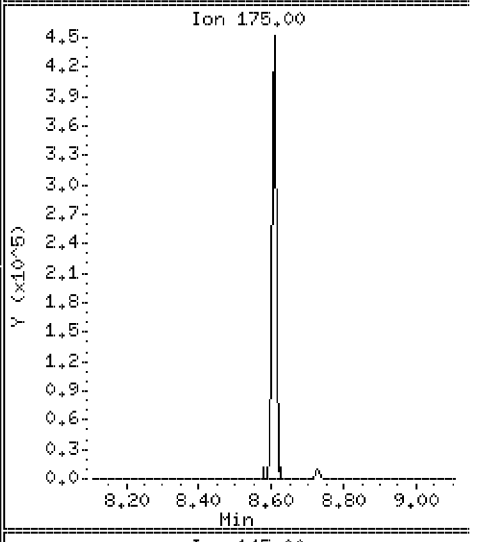


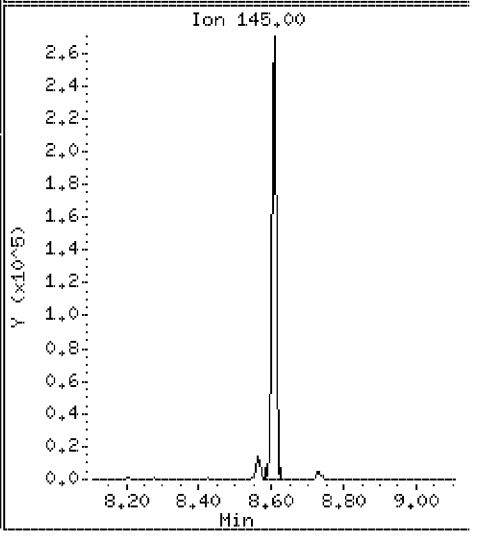












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

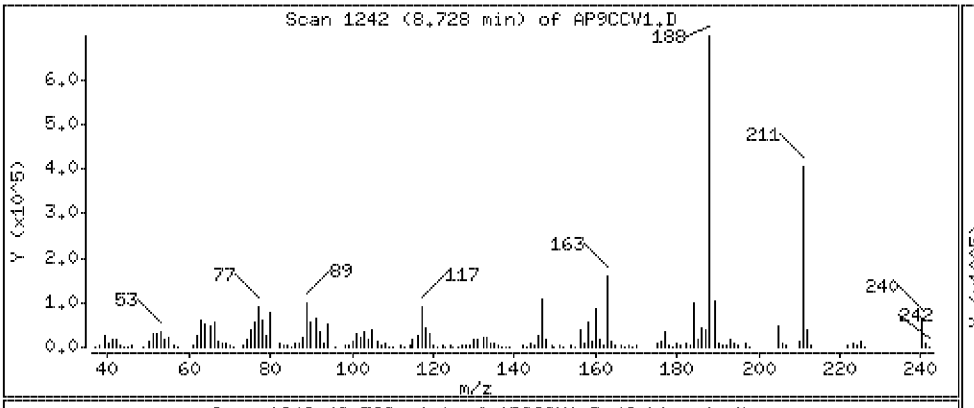
Operator: PEL

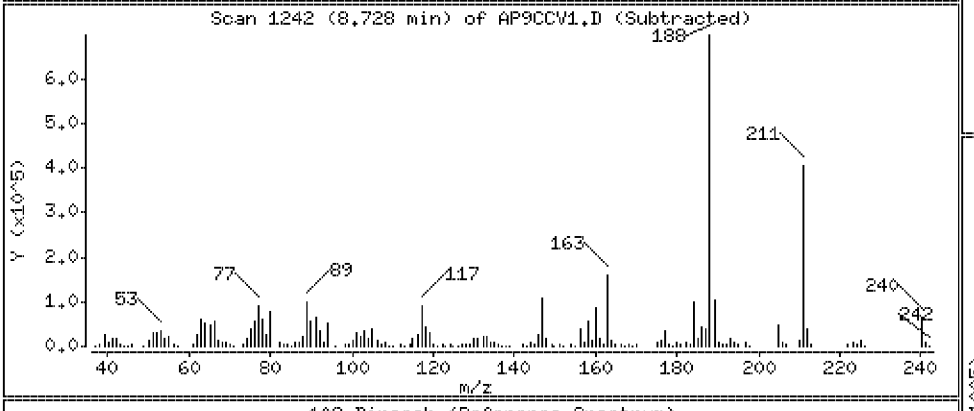
Column phase: HPMS-5

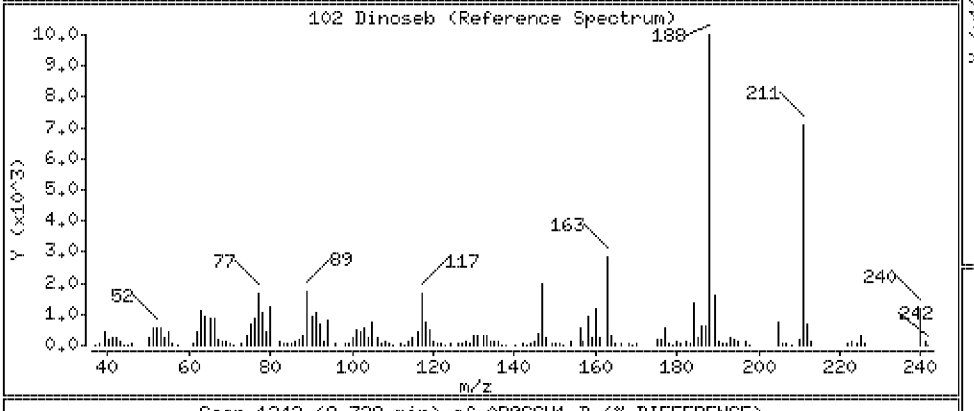
Column diameter: 0.25

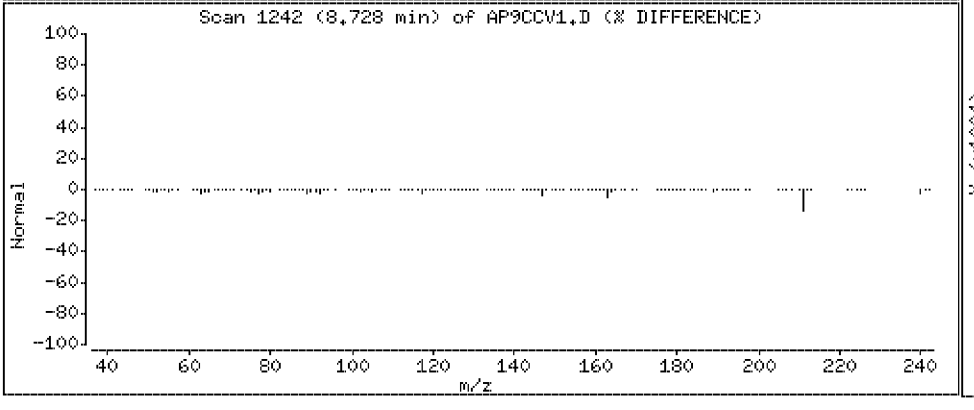
102 Dinoseb

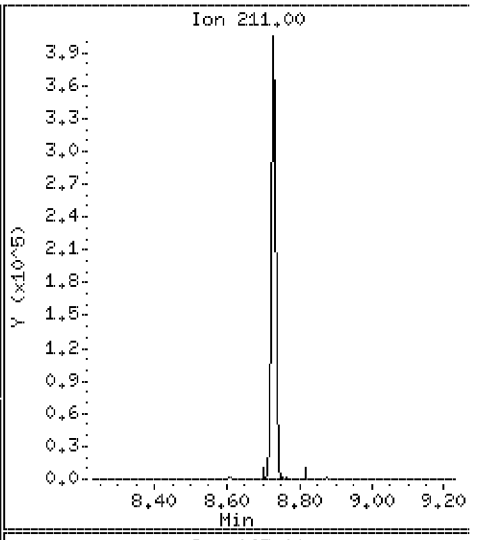
Concentration: 42.1 ug/l

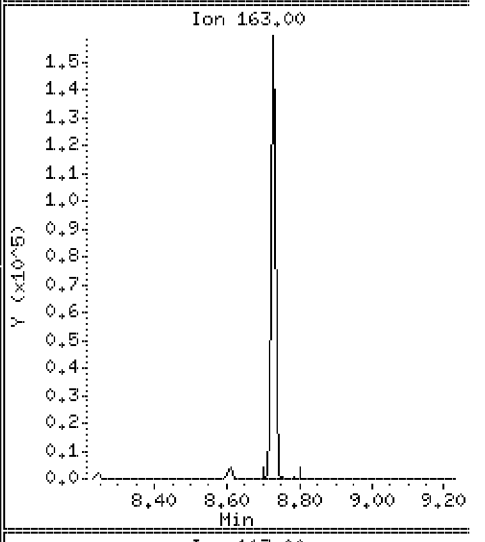


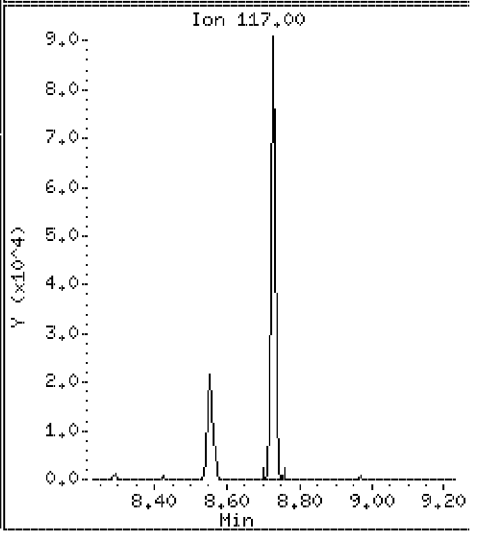












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

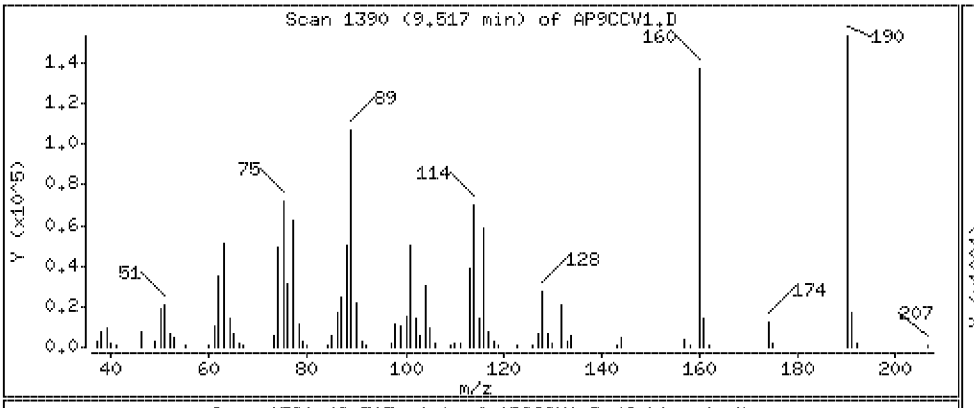
Operator: PEL

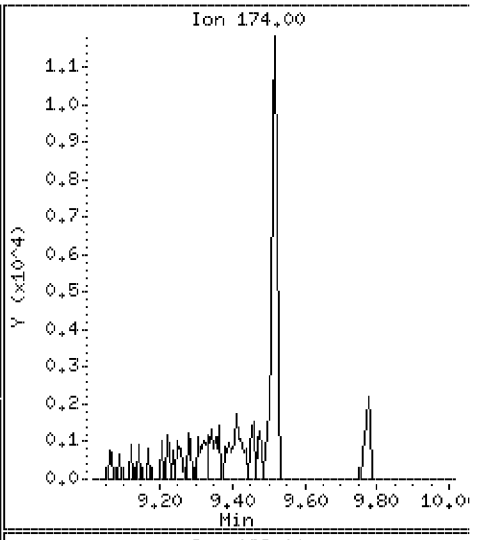
Column phase: HPMS-5

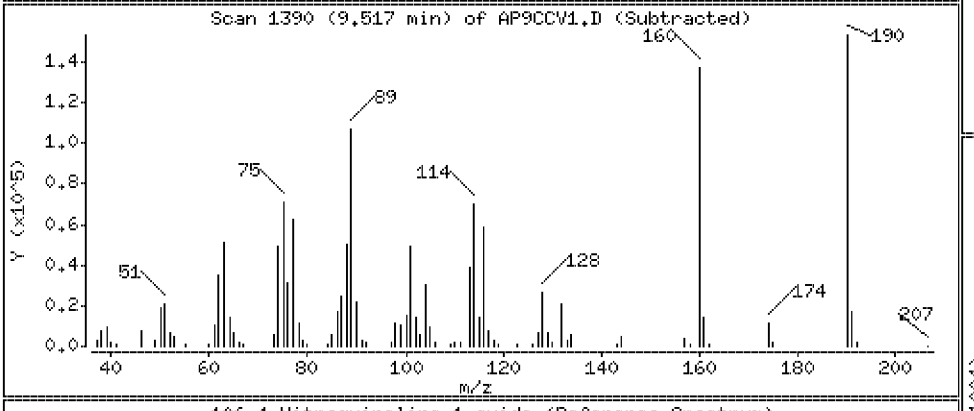
Column diameter: 0.25

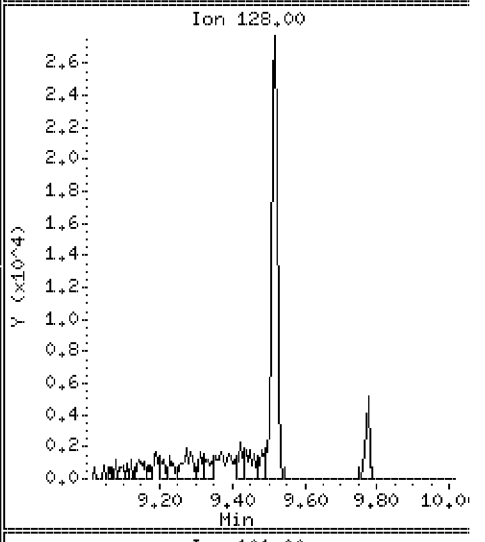
106 4-Nitroquinoline-1-oxide

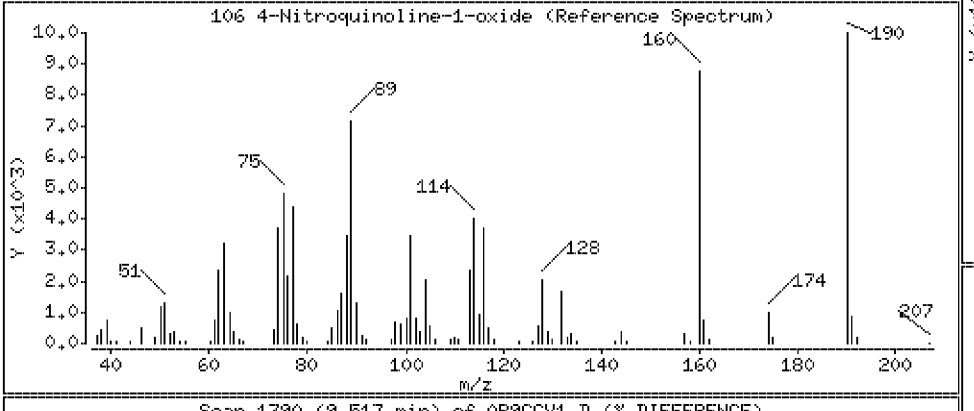
Concentration: 34.1 ug/l

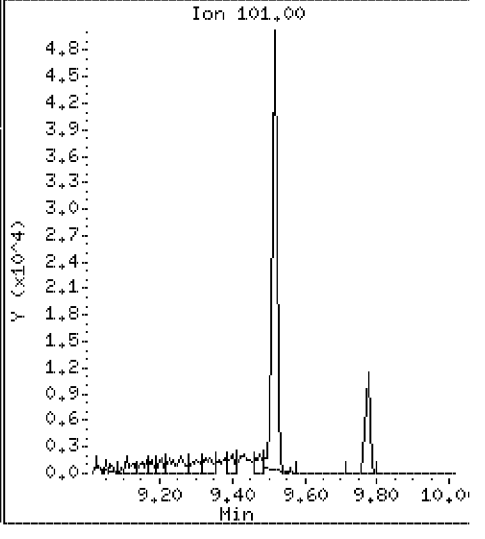


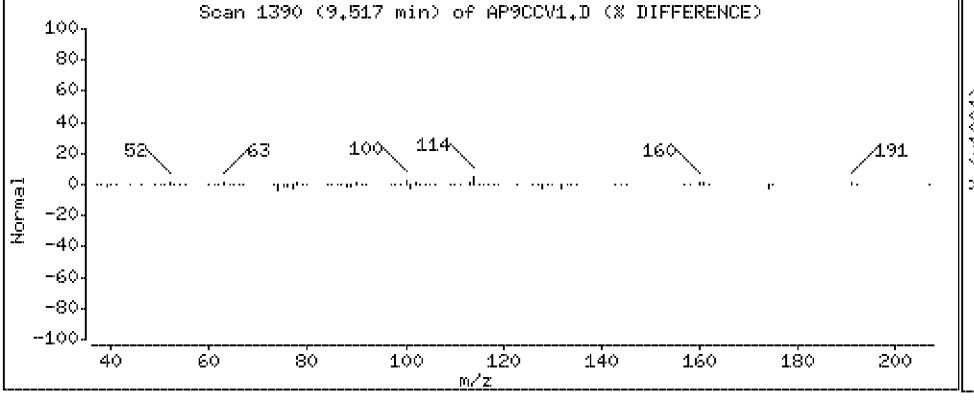












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

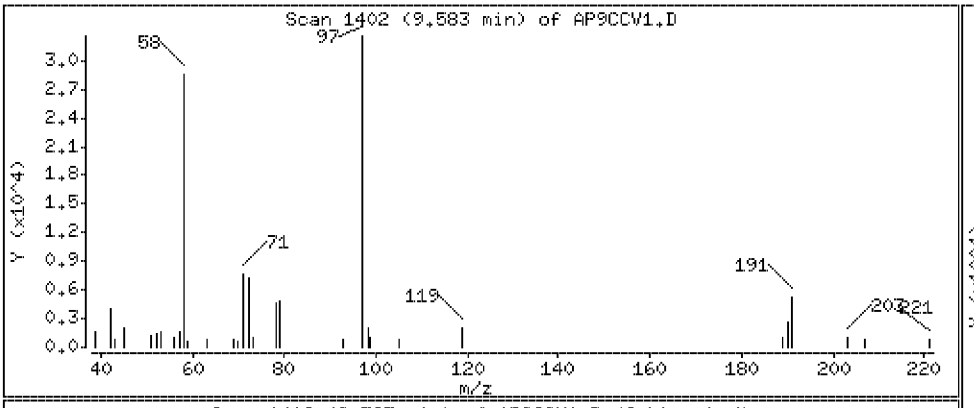
Operator: PEL

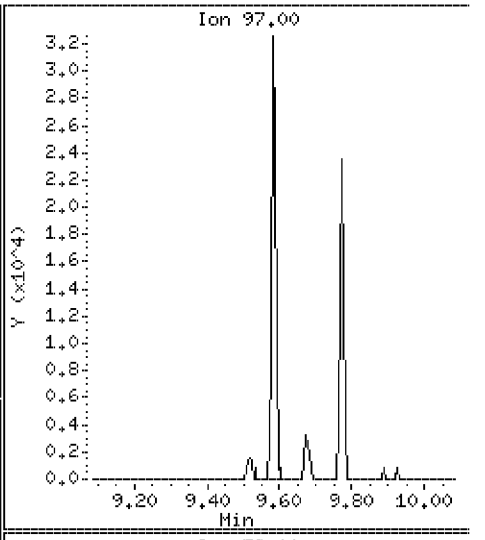
Column phase: HPMS-5

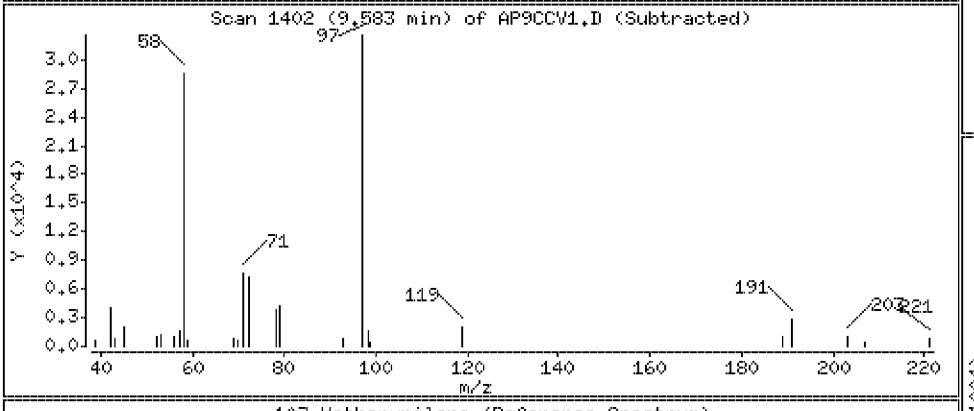
Column diameter: 0.25

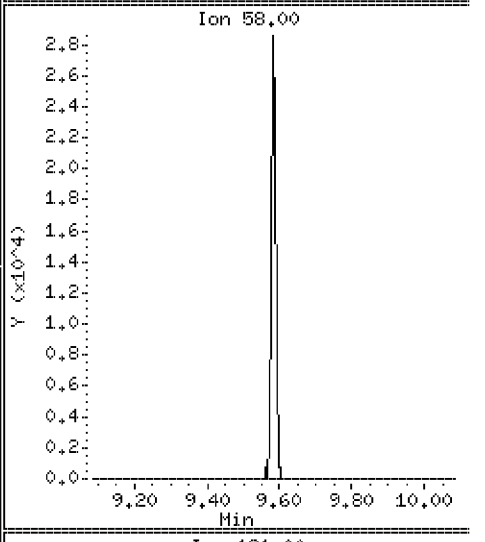
107 Methapyrilene

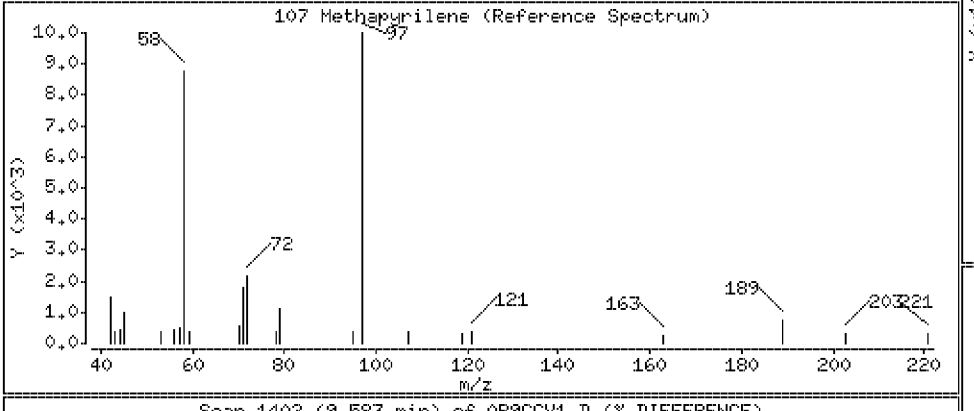
Concentration: 53.9 ug/l

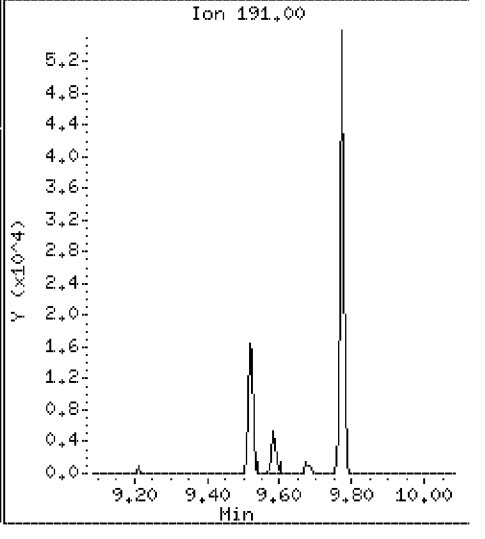


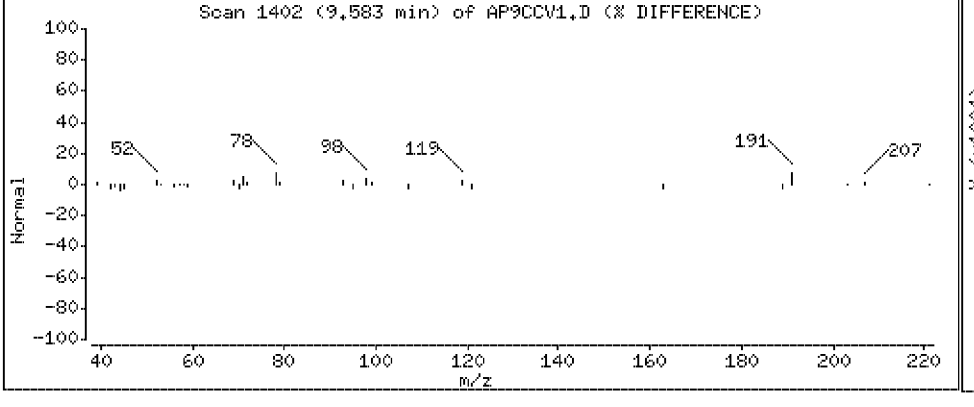












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

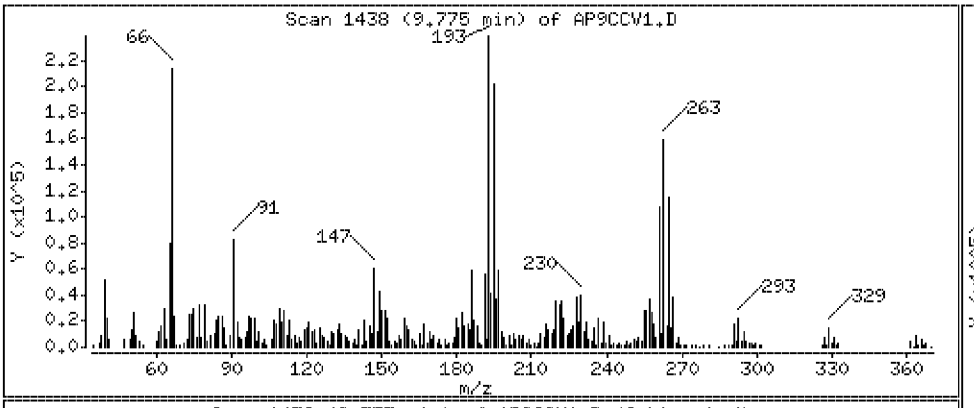
Operator: PEL

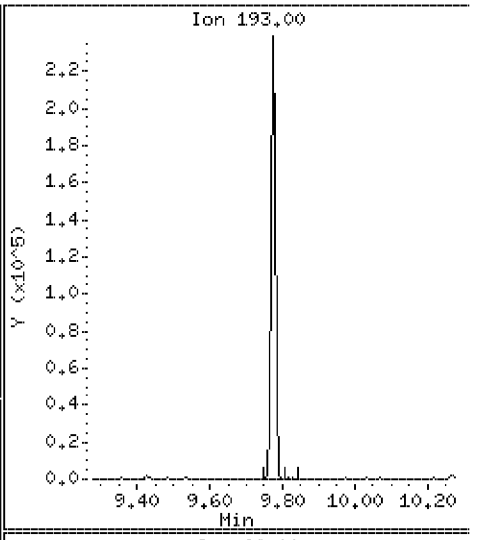
Column phase: HPMS-5

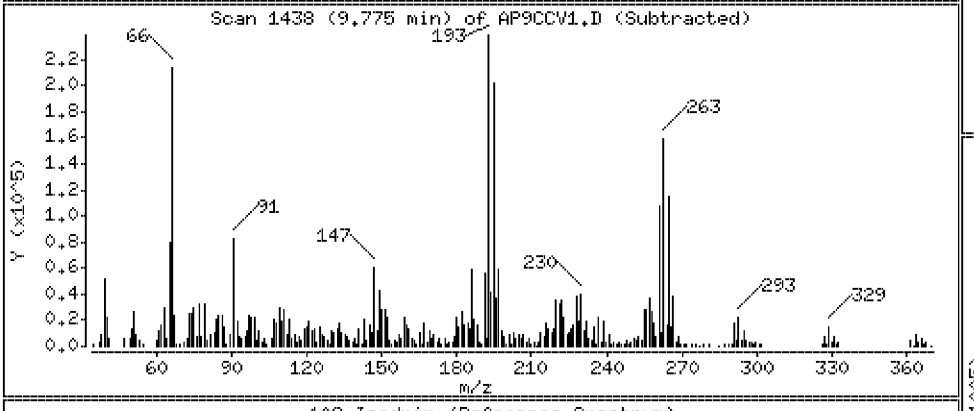
Column diameter: 0.25

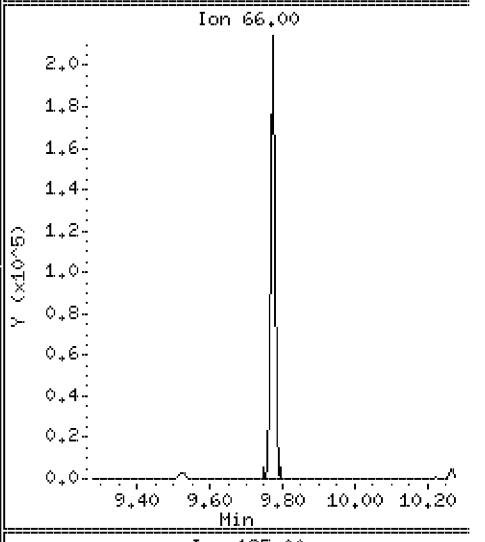
108 Isodrin

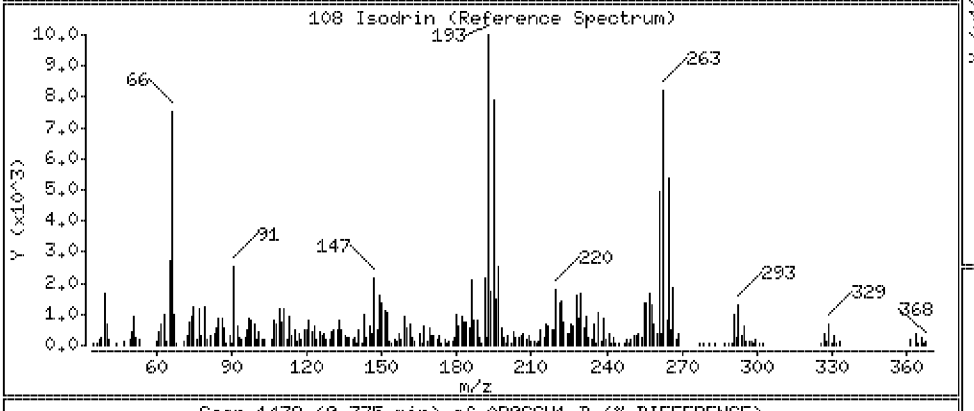
Concentration: 46.5 ug/l

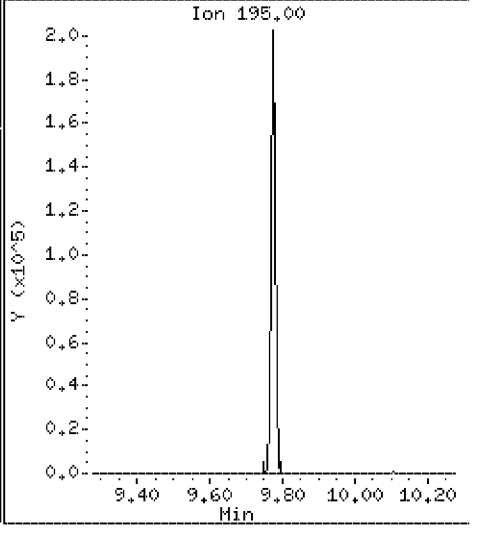


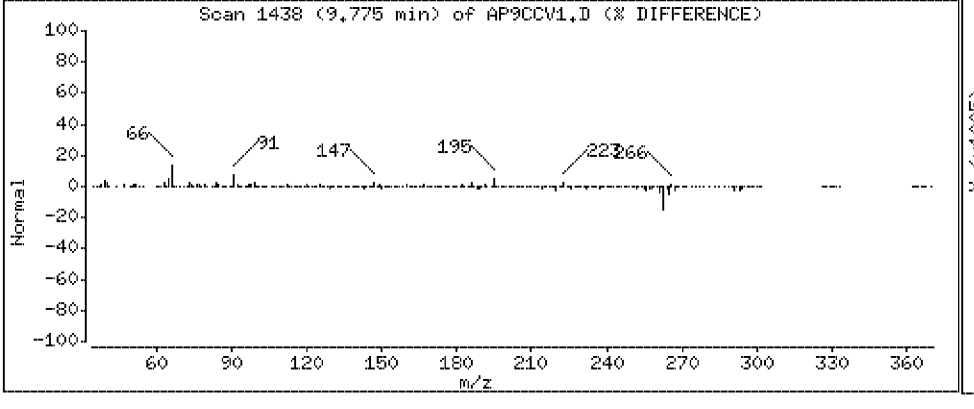












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

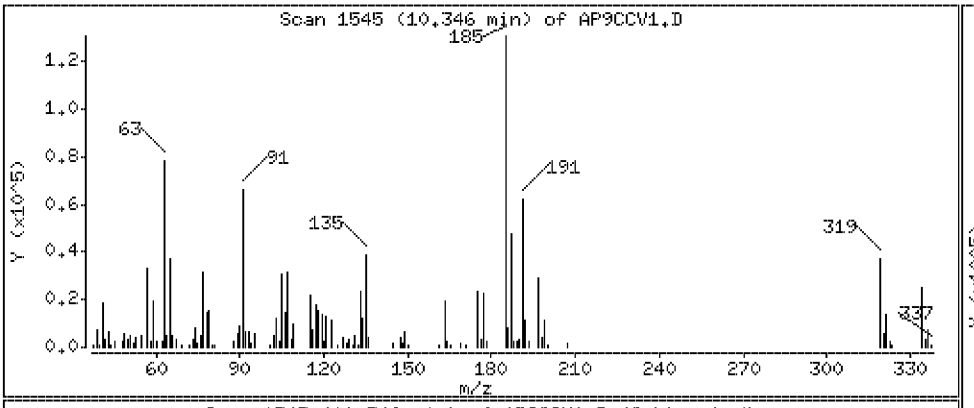
Operator: PEL

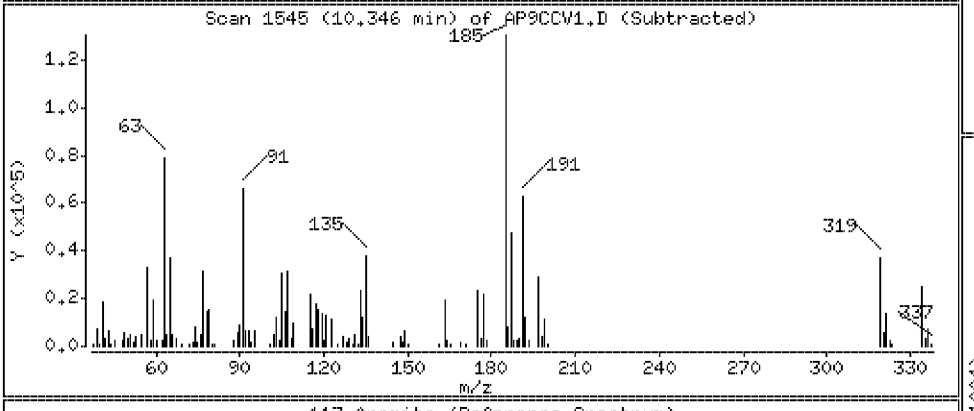
Column phase: HPMS-5

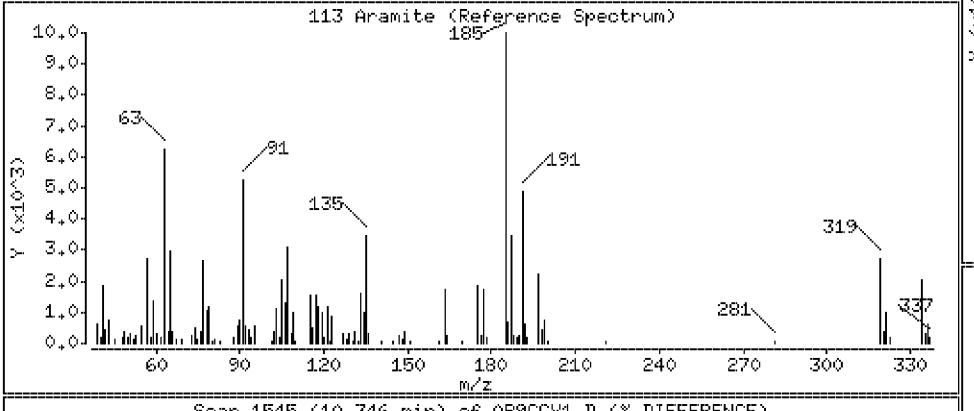
Column diameter: 0.25

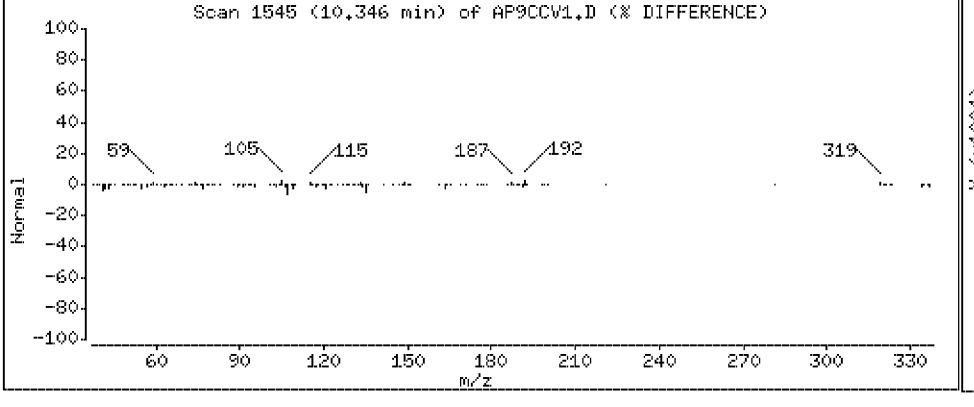
113 Aramite

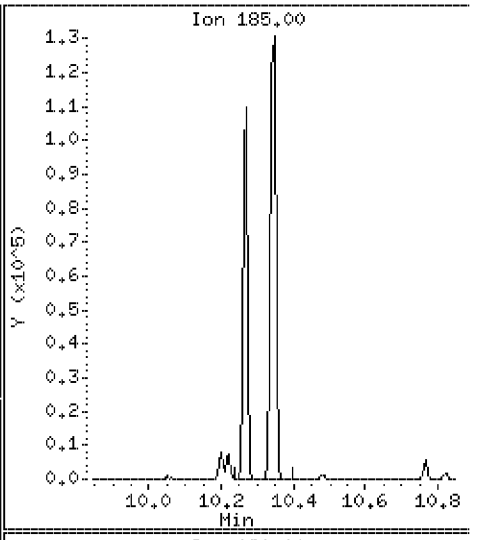
Concentration: 45.9 ug/l

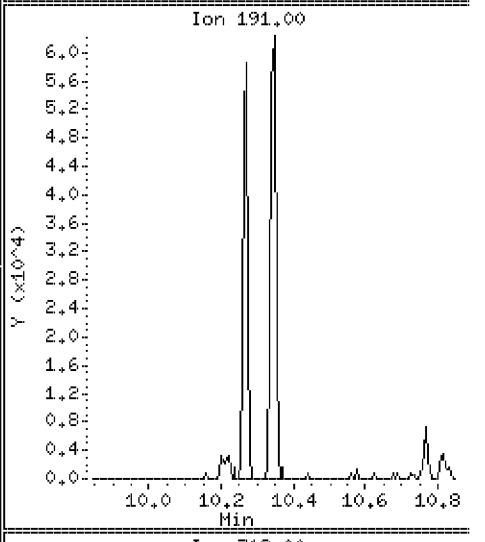


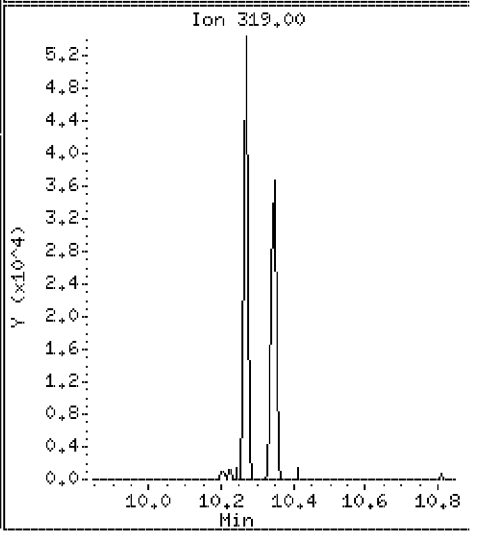












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

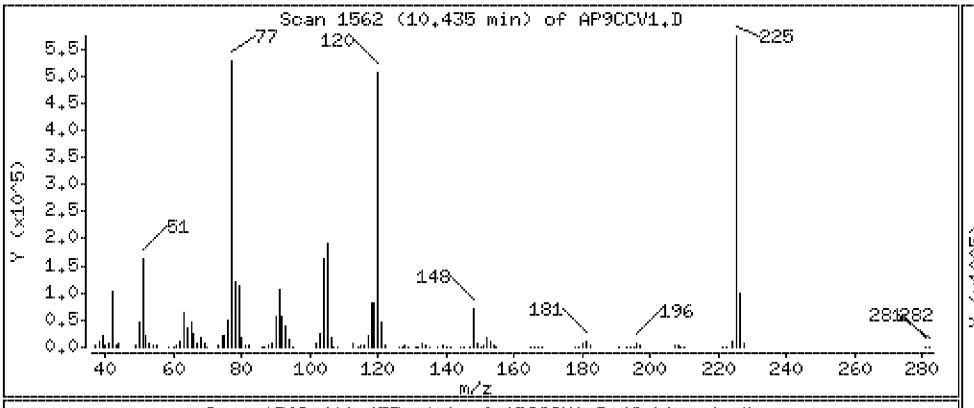
Operator: PEL

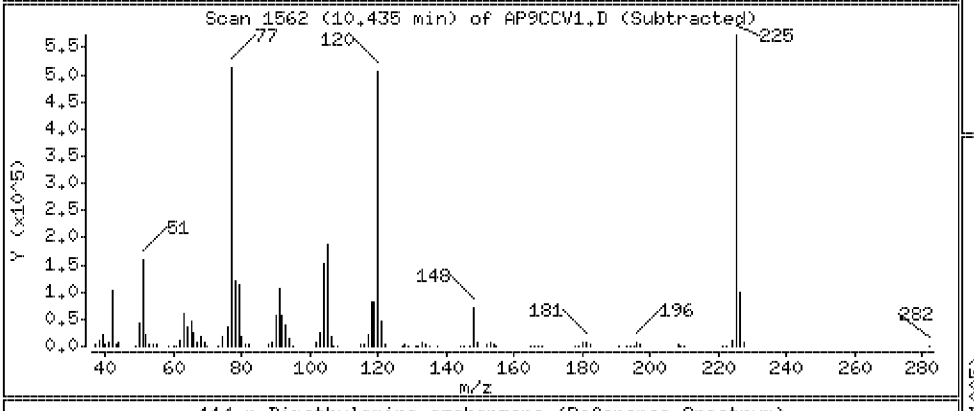
Column phase: HPMS-5

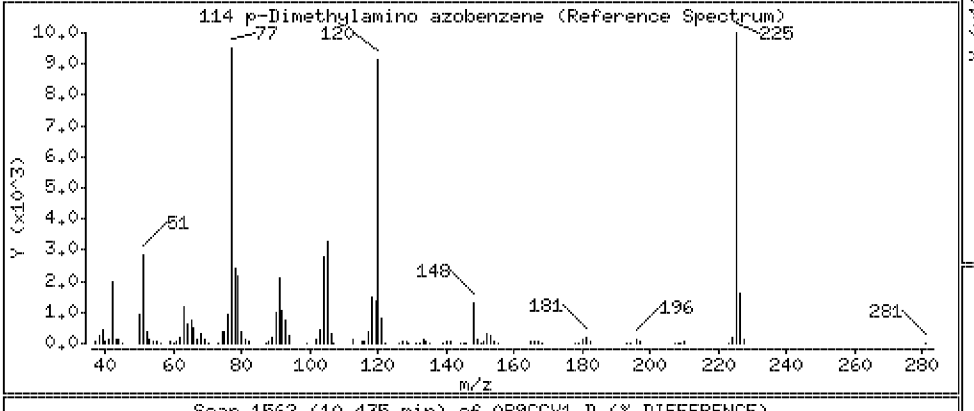
Column diameter: 0.25

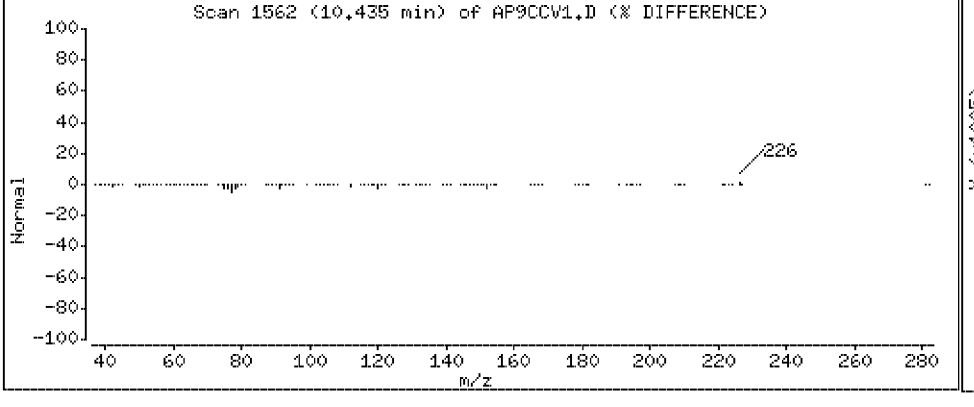
114 p-Dimethylamino azobenzene

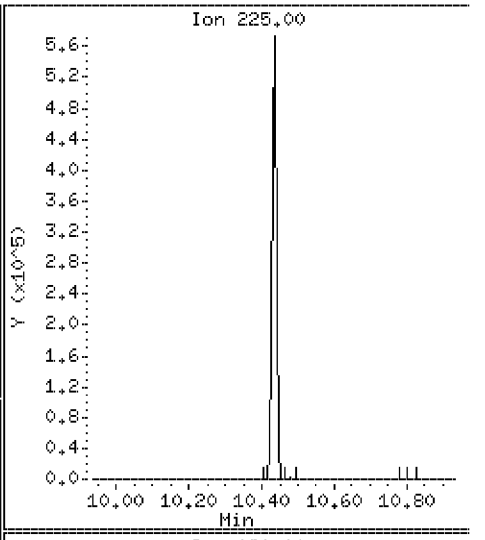
Concentration: 45.7 ug/l

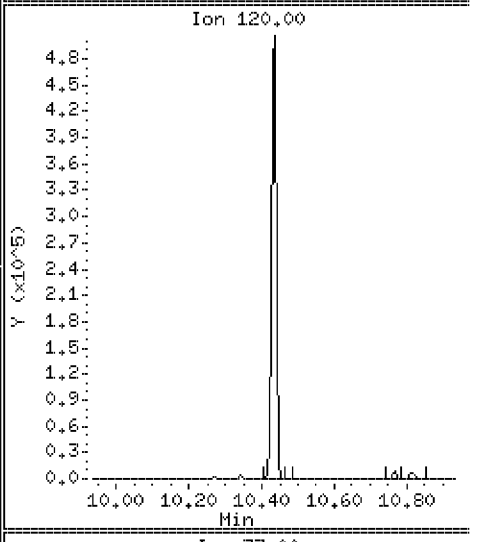


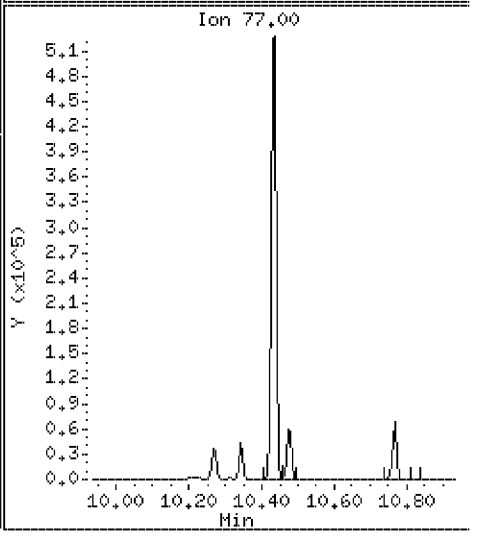












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

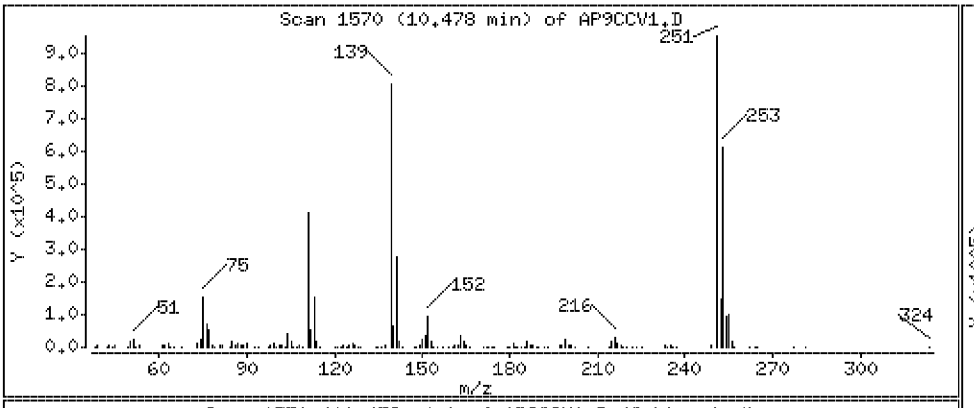
Operator: PEL

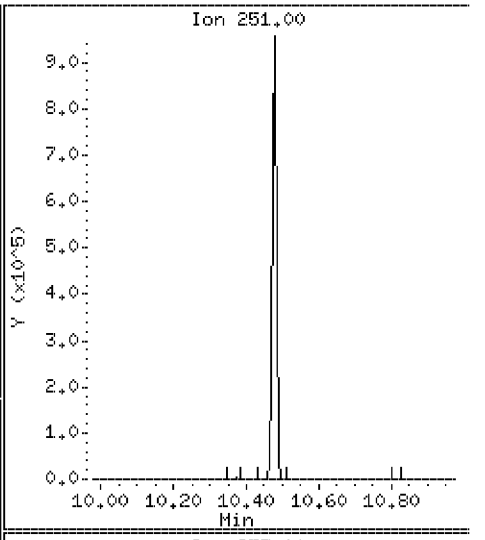
Column phase: HPMS-5

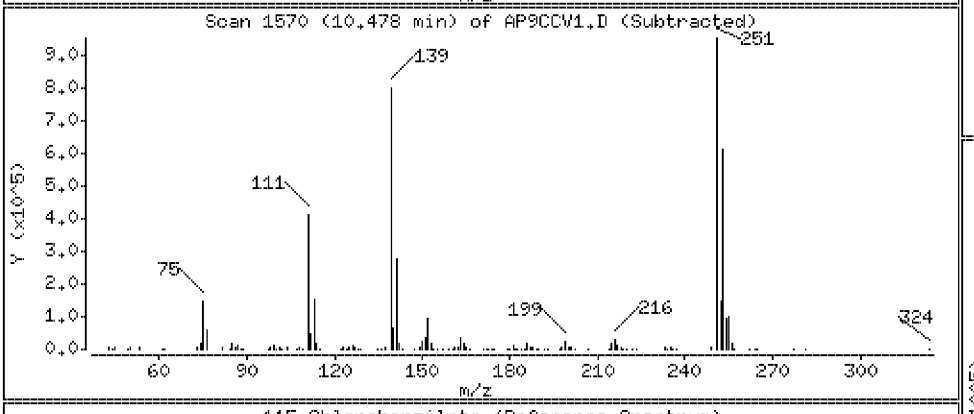
Column diameter: 0.25

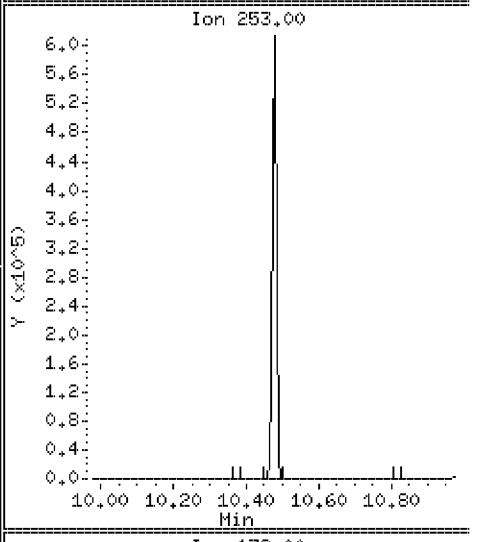
115 Chlorobenzilate

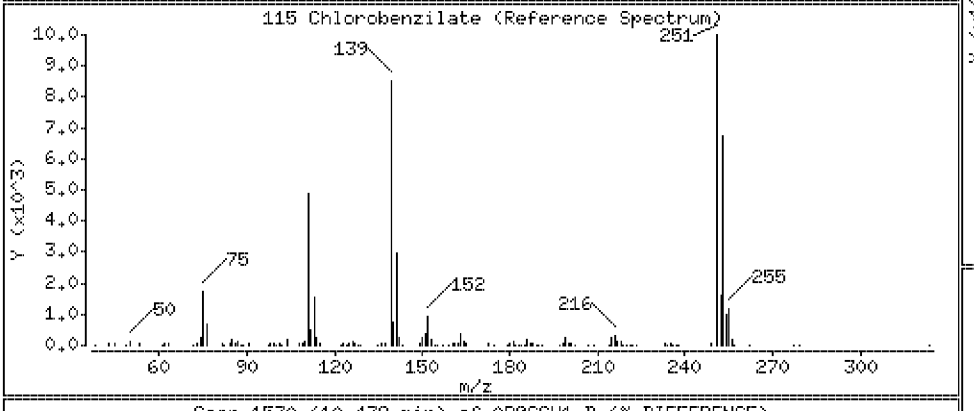
Concentration: 46.7 ug/l

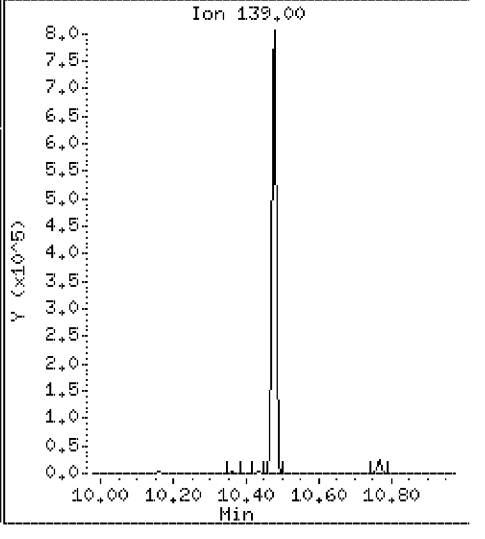


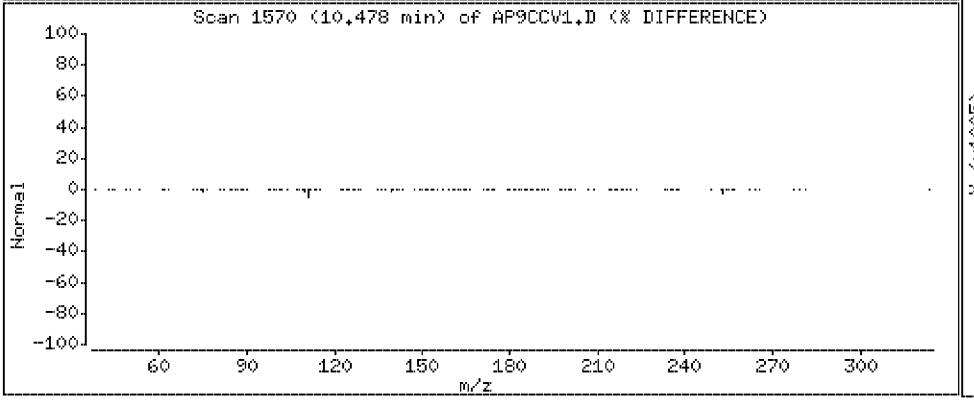












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

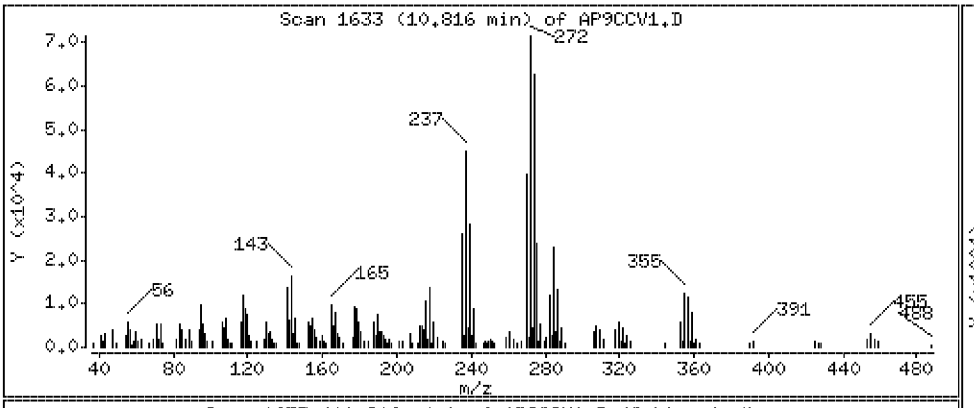
Operator: PEL

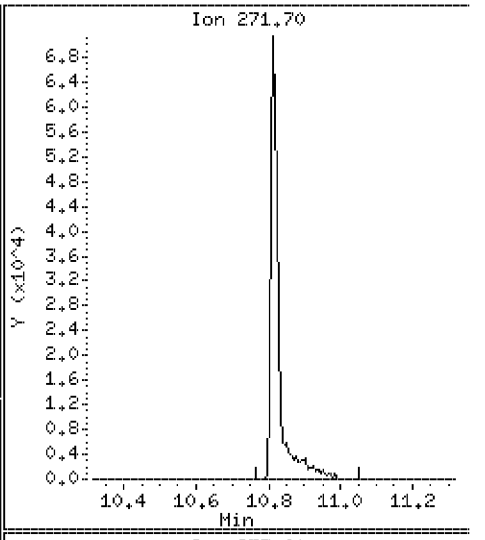
Column phase: HPMS-5

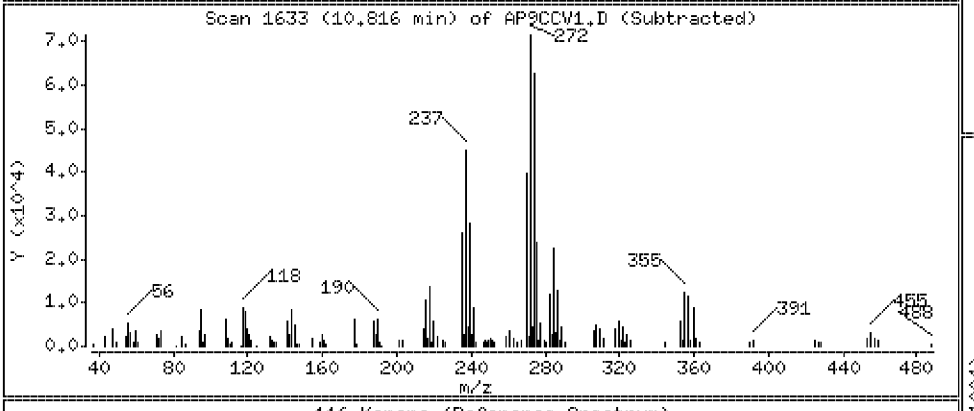
Column diameter: 0.25

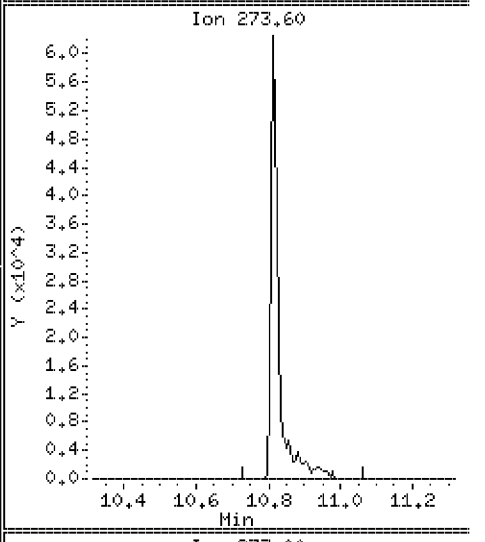
116 Kepone

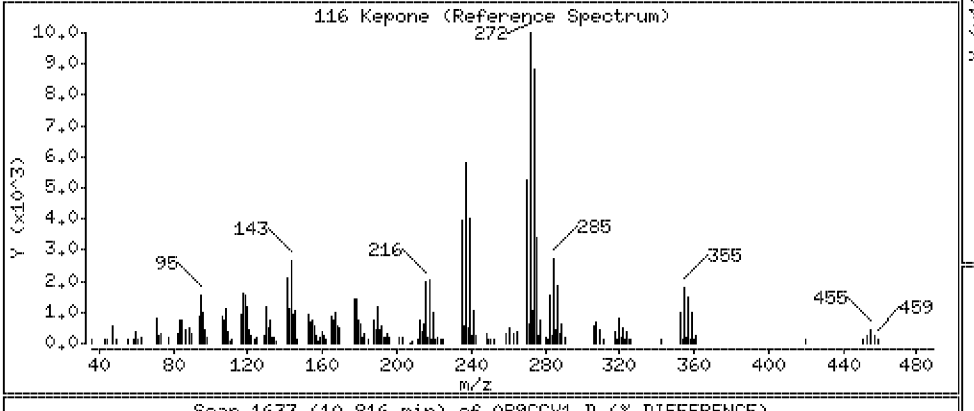
Concentration: 33.3 ug/l

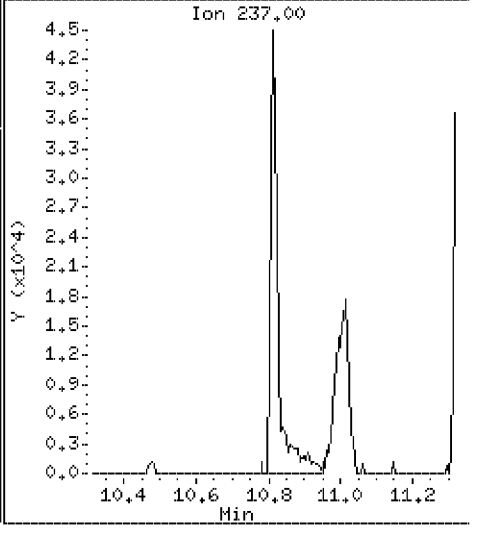


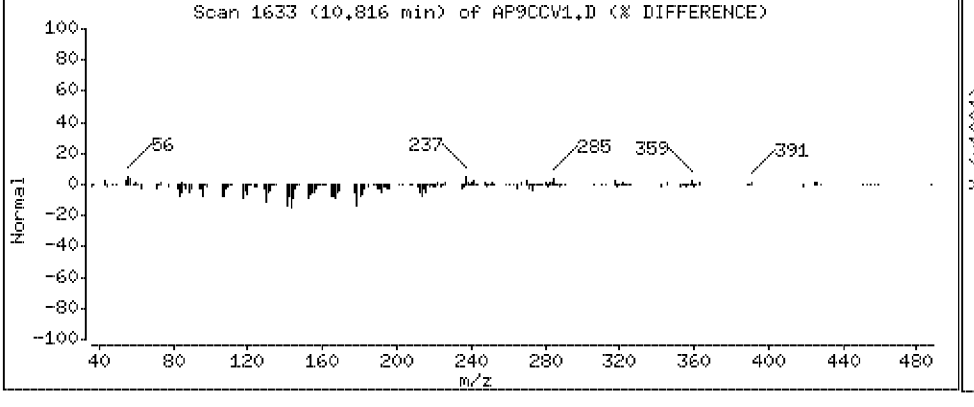












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

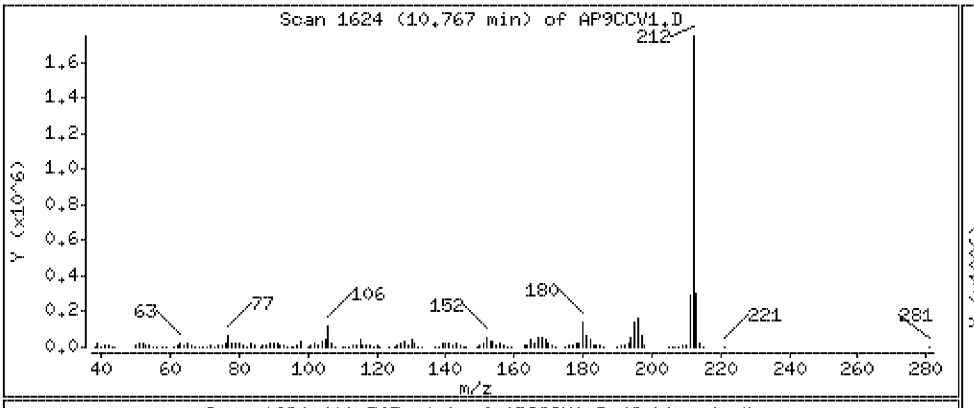
Operator: PEL

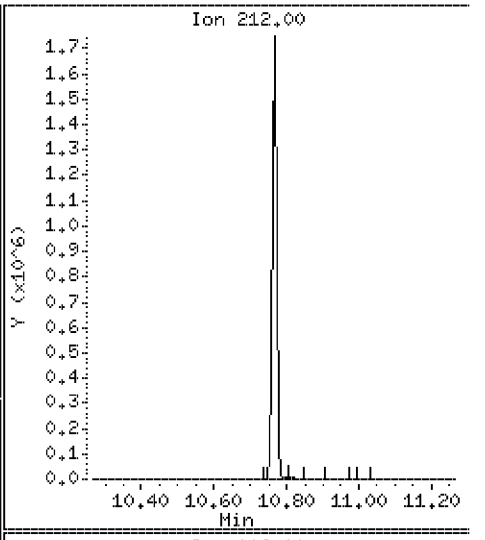
Column phase: HPMS-5

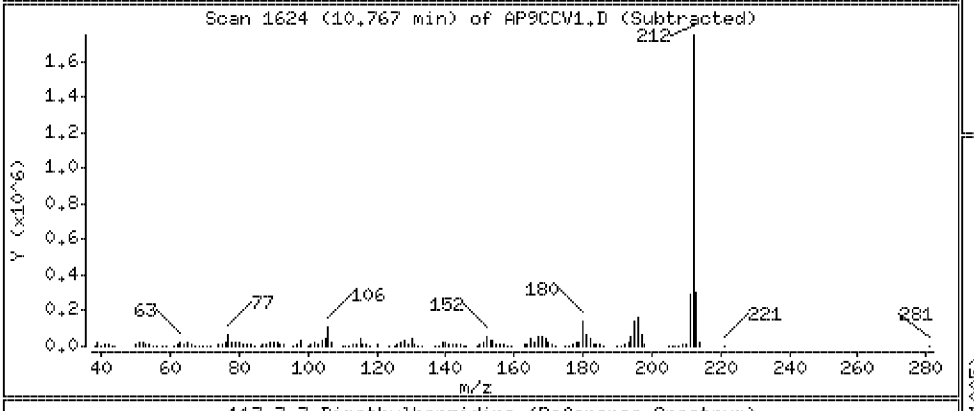
Column diameter: 0.25

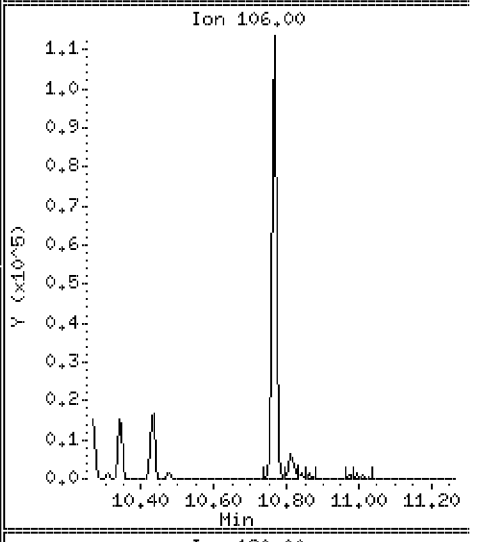
117 3,3-Dimethylbenzidine

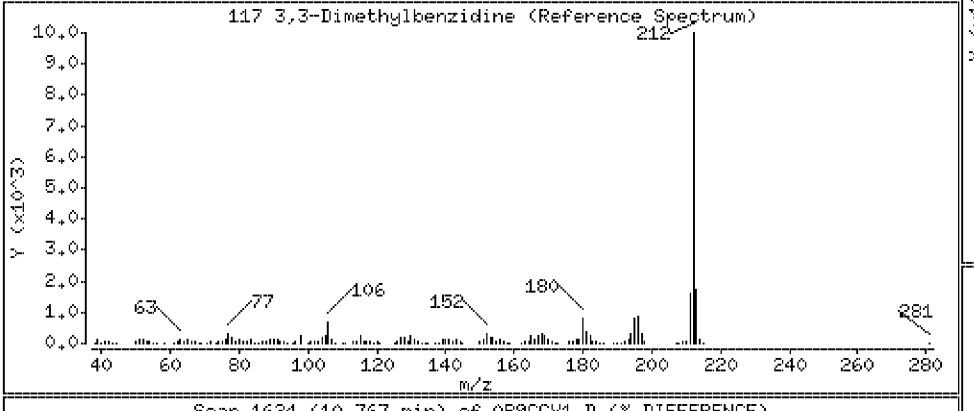
Concentration: 45.9 ug/l

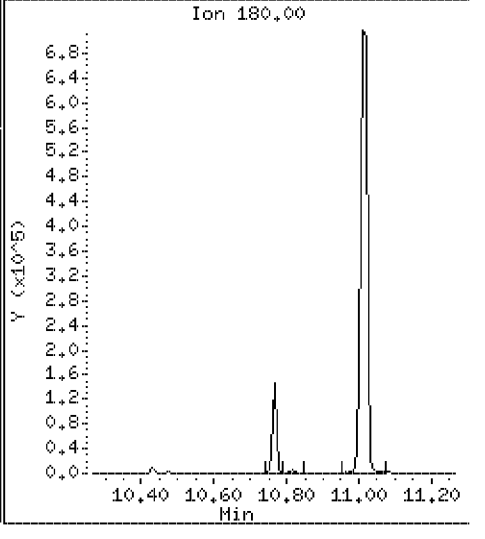


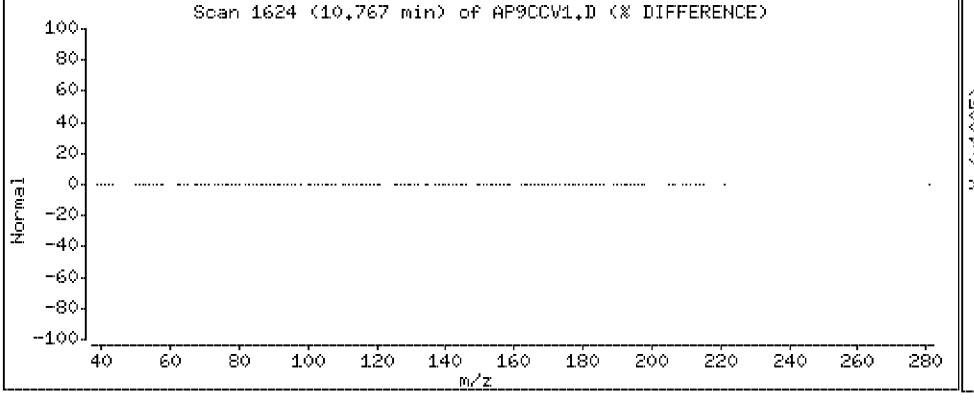












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

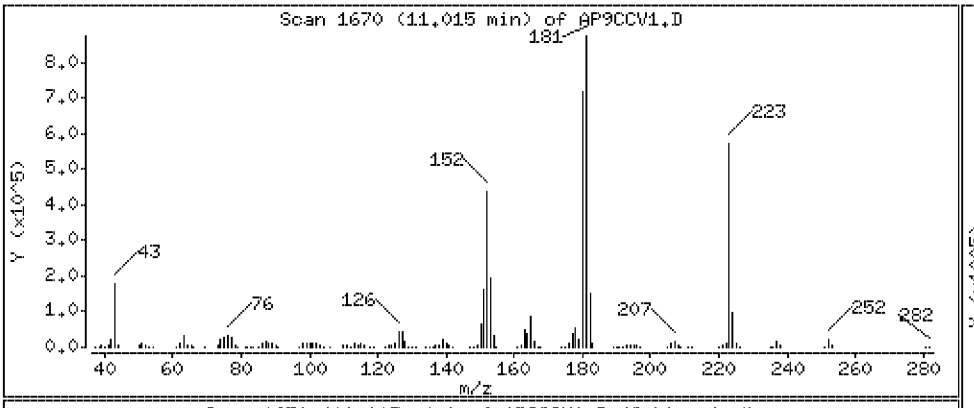
Operator: PEL

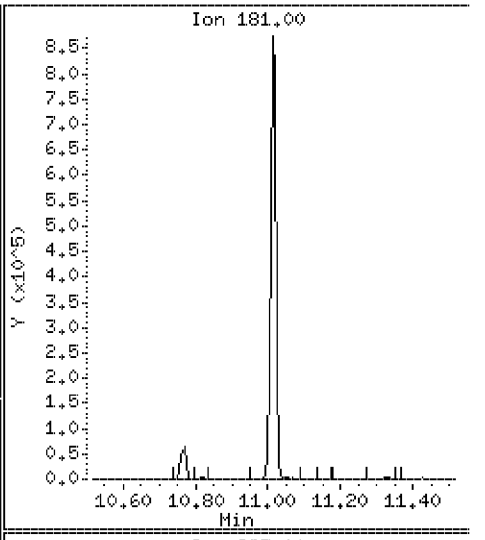
Column phase: HPMS-5

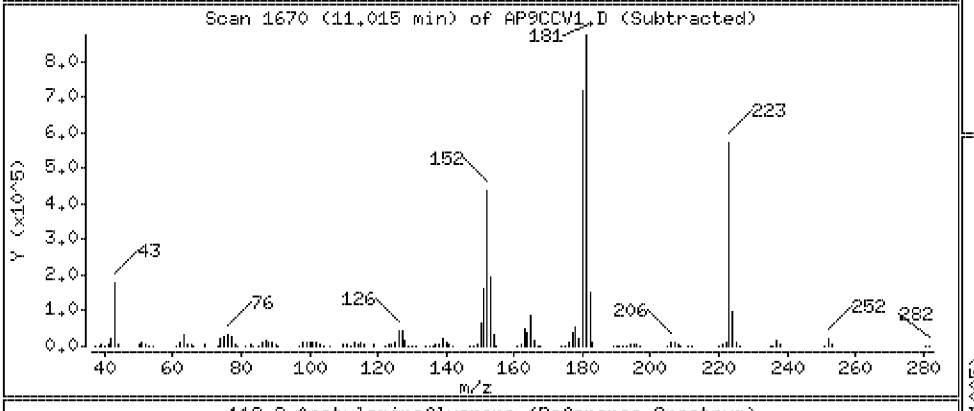
Column diameter: 0.25

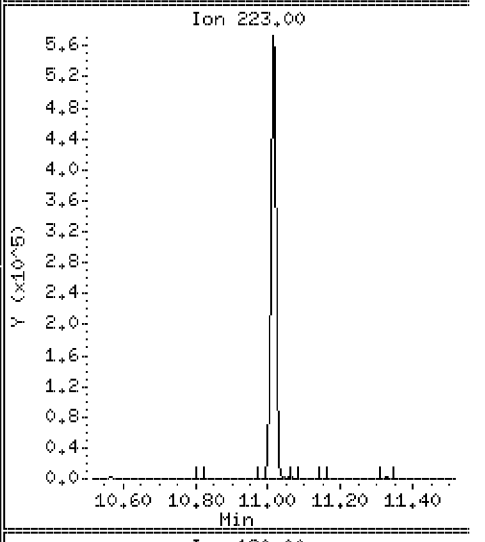
119 2-Acetylaminofluorene

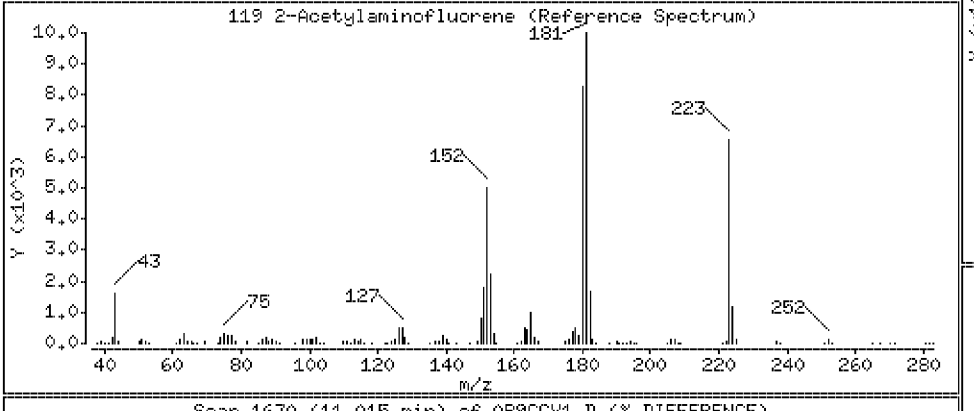
Concentration: 47.7 ug/l

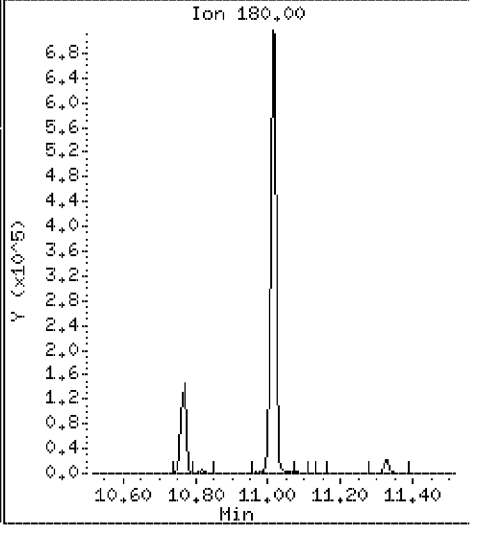


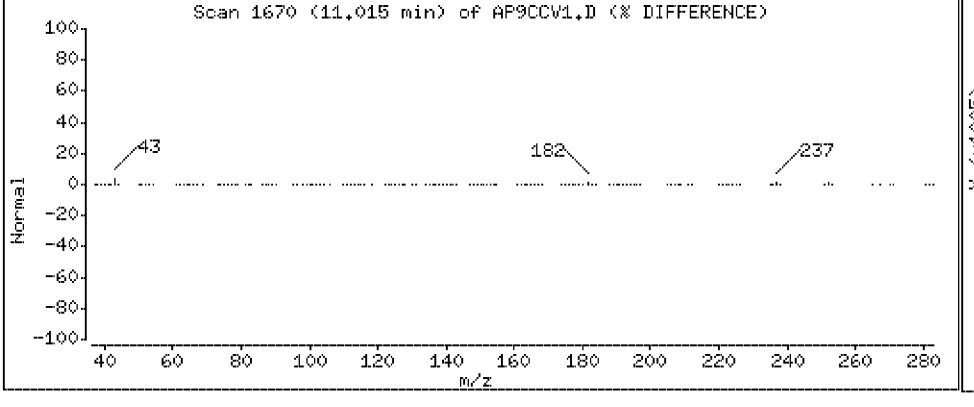












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

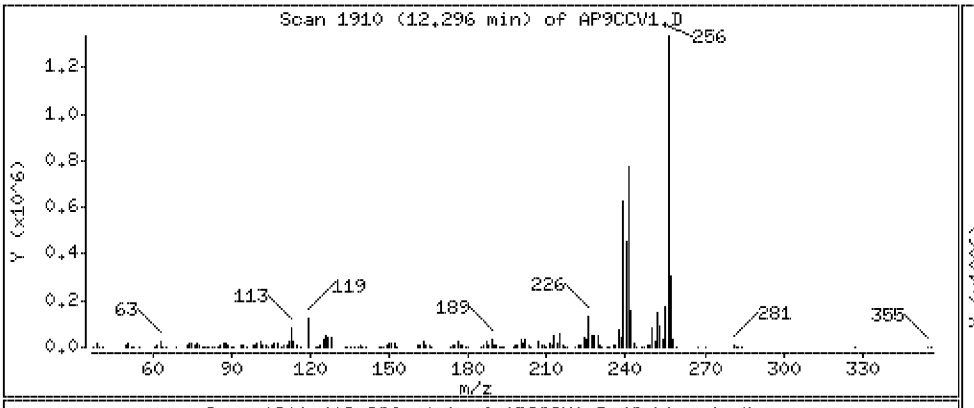
Operator: PEL

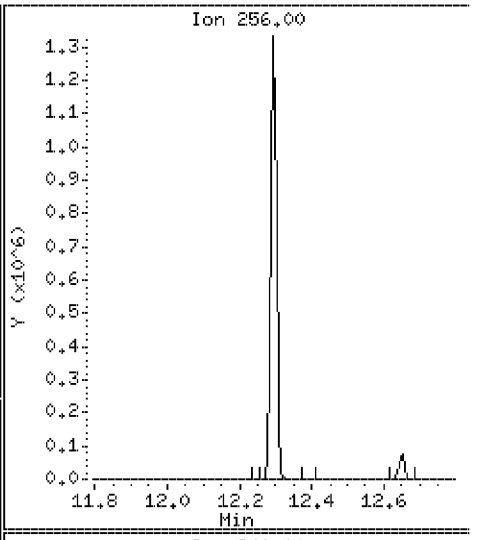
Column phase: HPMS-5

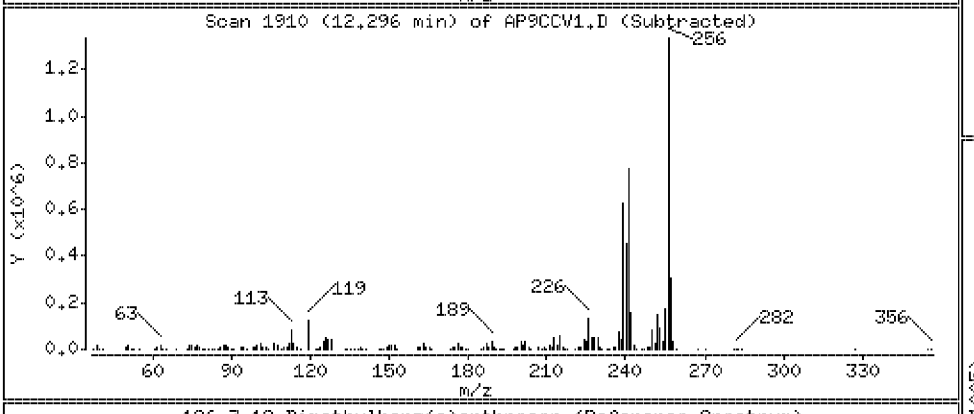
Column diameter: 0.25

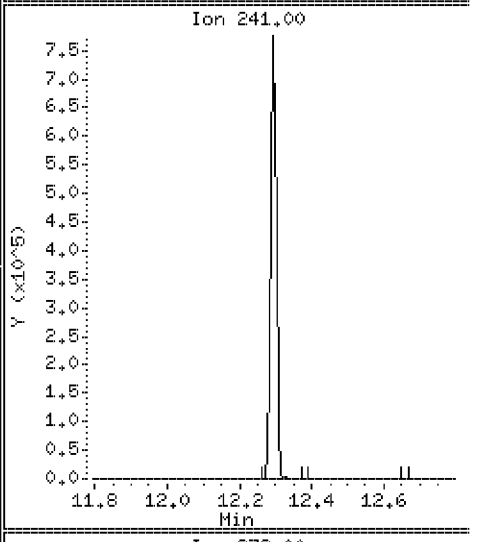
126 7,12-Dimethylbenz(a)anthracen

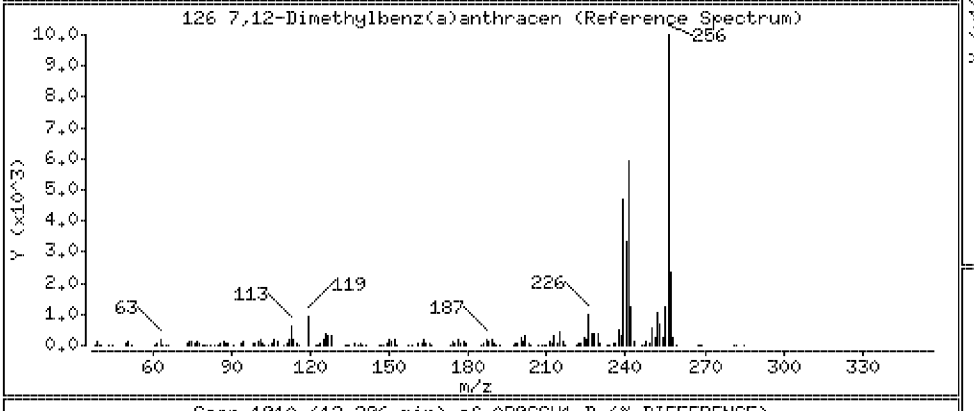
Concentration: 46.5 ug/l

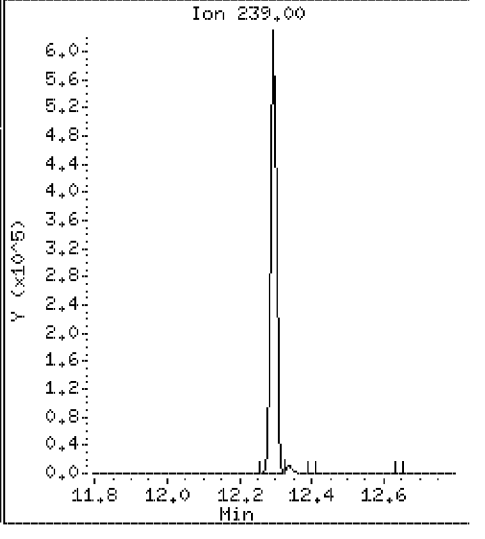


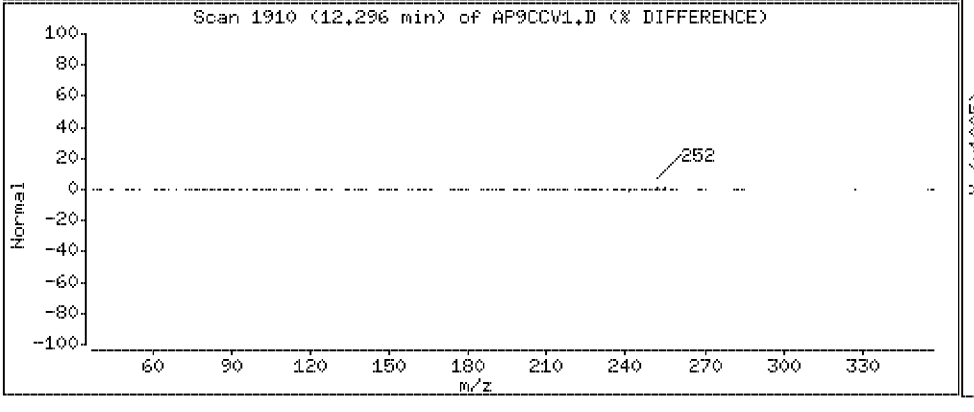












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

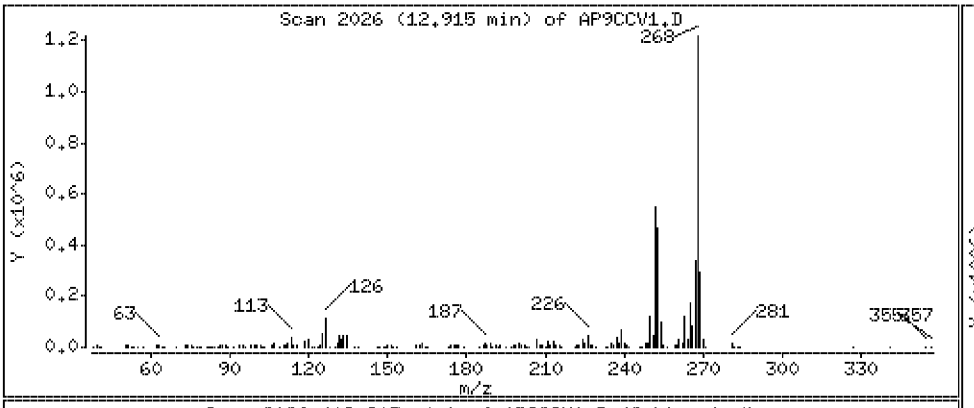
Operator: PEL

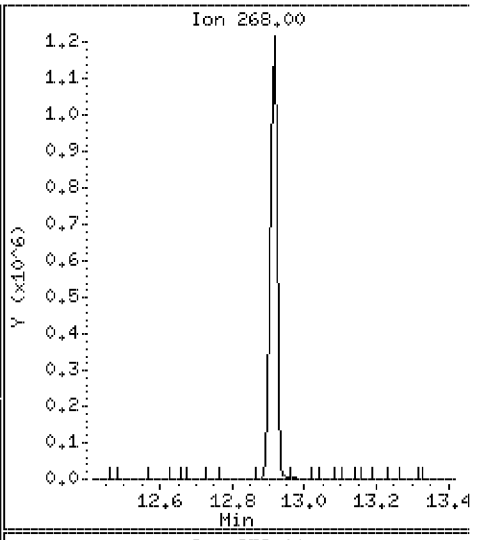
Column phase: HPMS-5

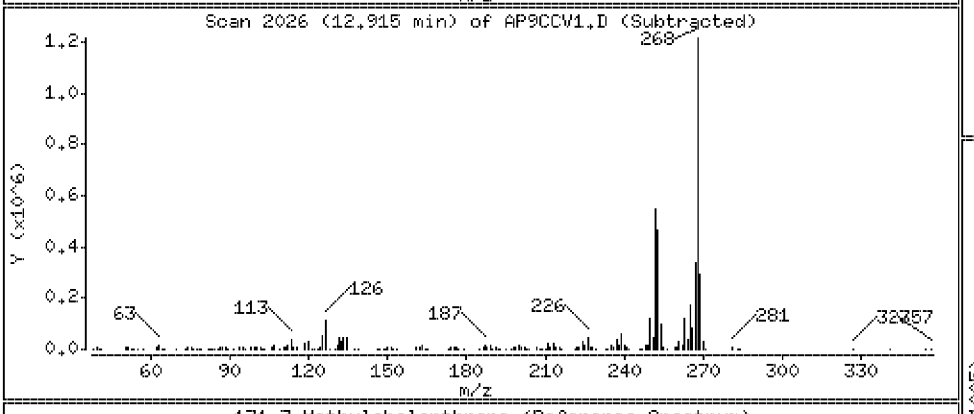
Column diameter: 0.25

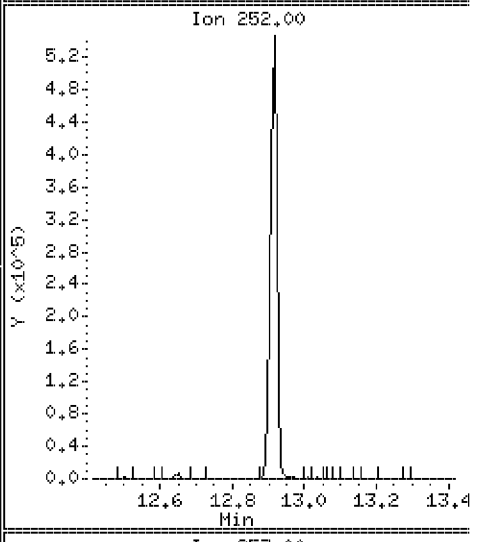
131 3-Methylcholanthrene

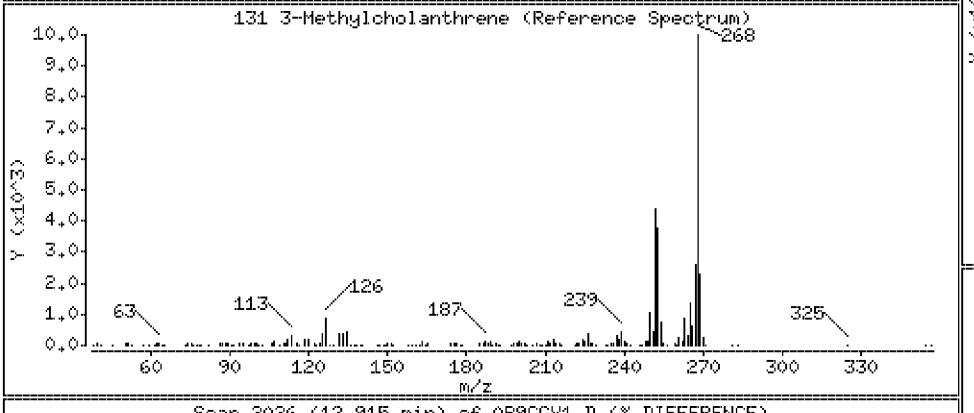
Concentration: 45.1 ug/l

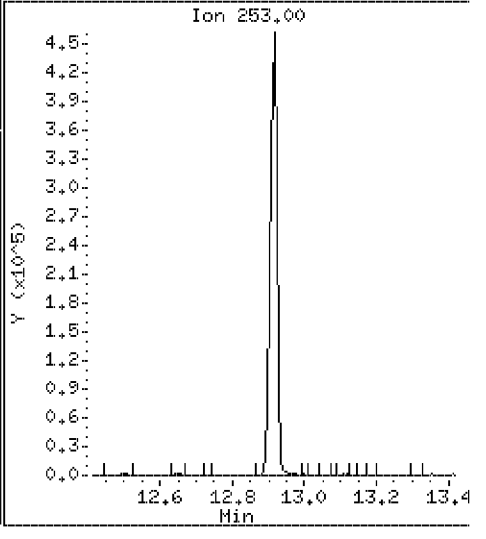


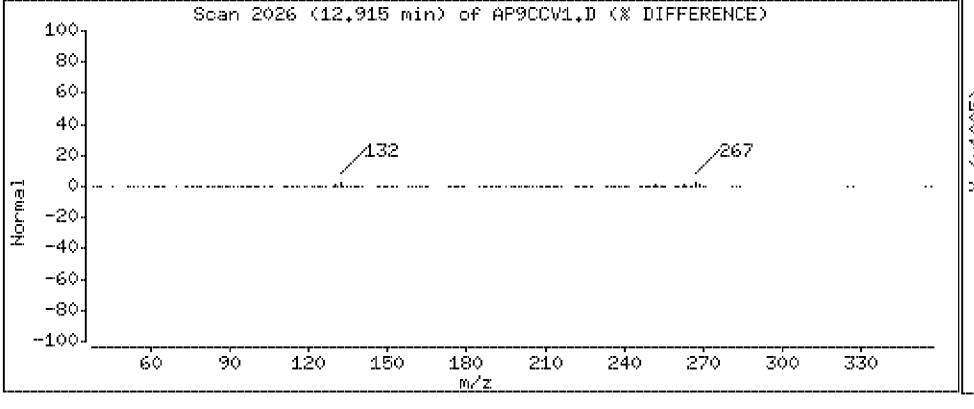












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\AP9CCV1.D

Date : 26-APR-2012 11:55

Client ID: AP9CCV1

Instrument: smsd03.i

Sample Info: 45958

Purge Volume: 1000.0

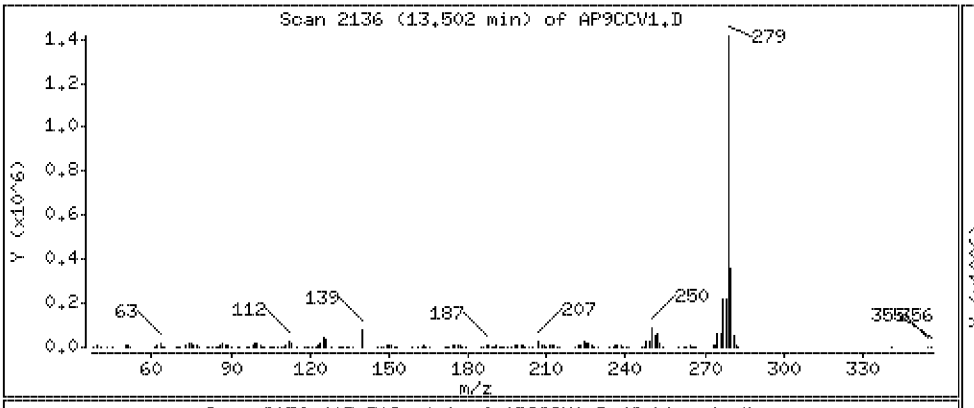
Operator: PEL

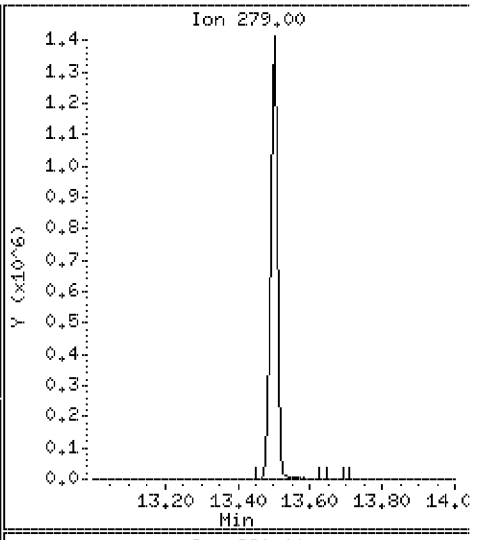
Column phase: HPMS-5

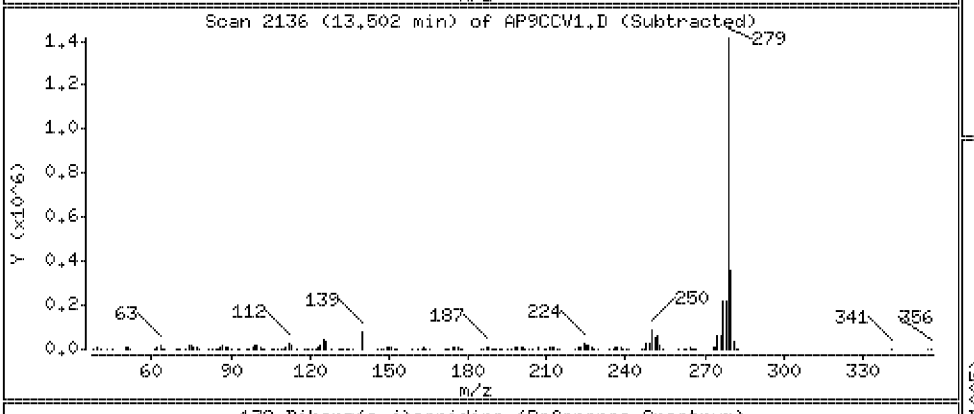
Column diameter: 0.25

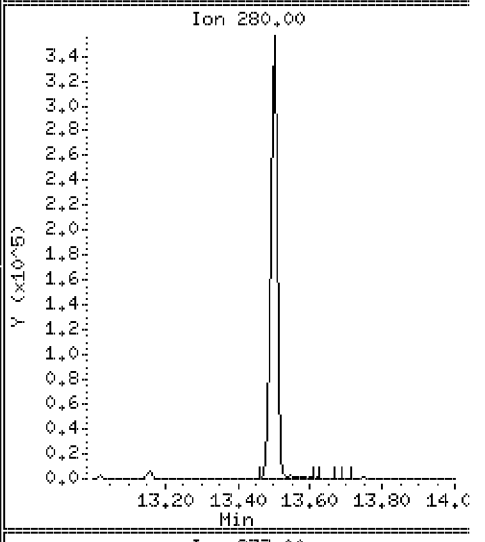
132 Dibenz(a,j)acridine

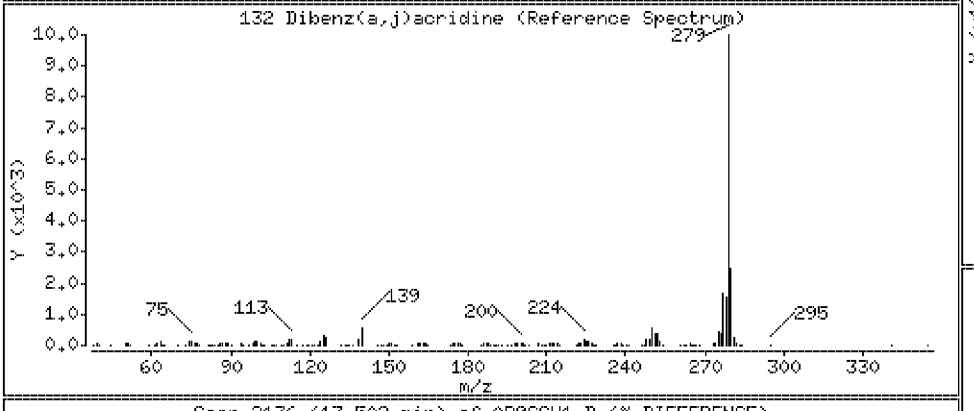
Concentration: 45.2 ug/l

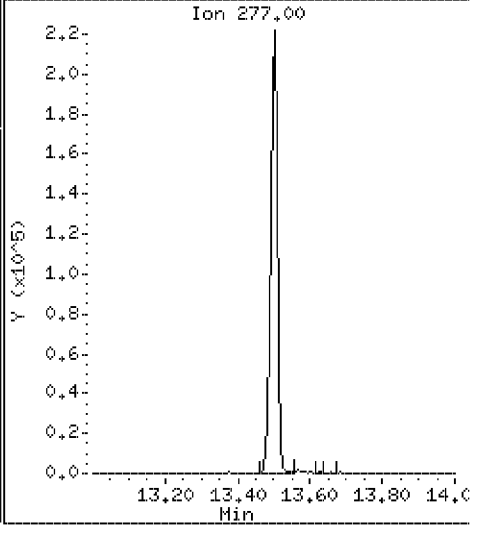


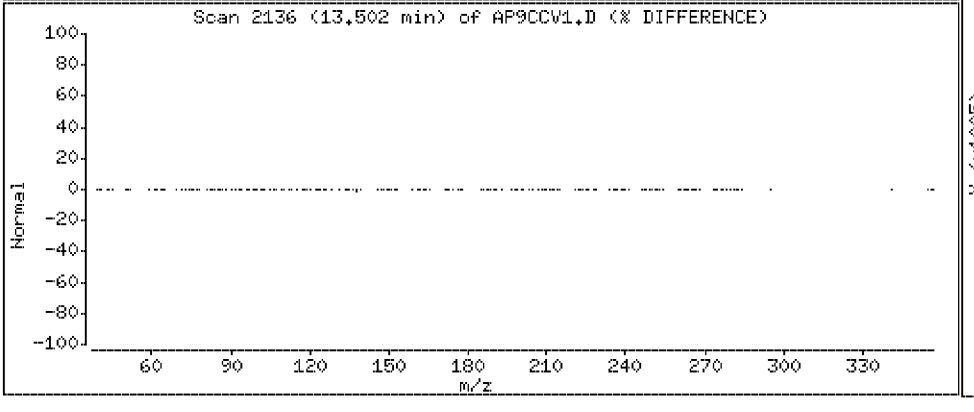












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188MB.D
Lab Smp Id: 127239MB Client Smp ID: 127239MB
Inj Date : 26-APR-2012 12:19 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw127239mb
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.110	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

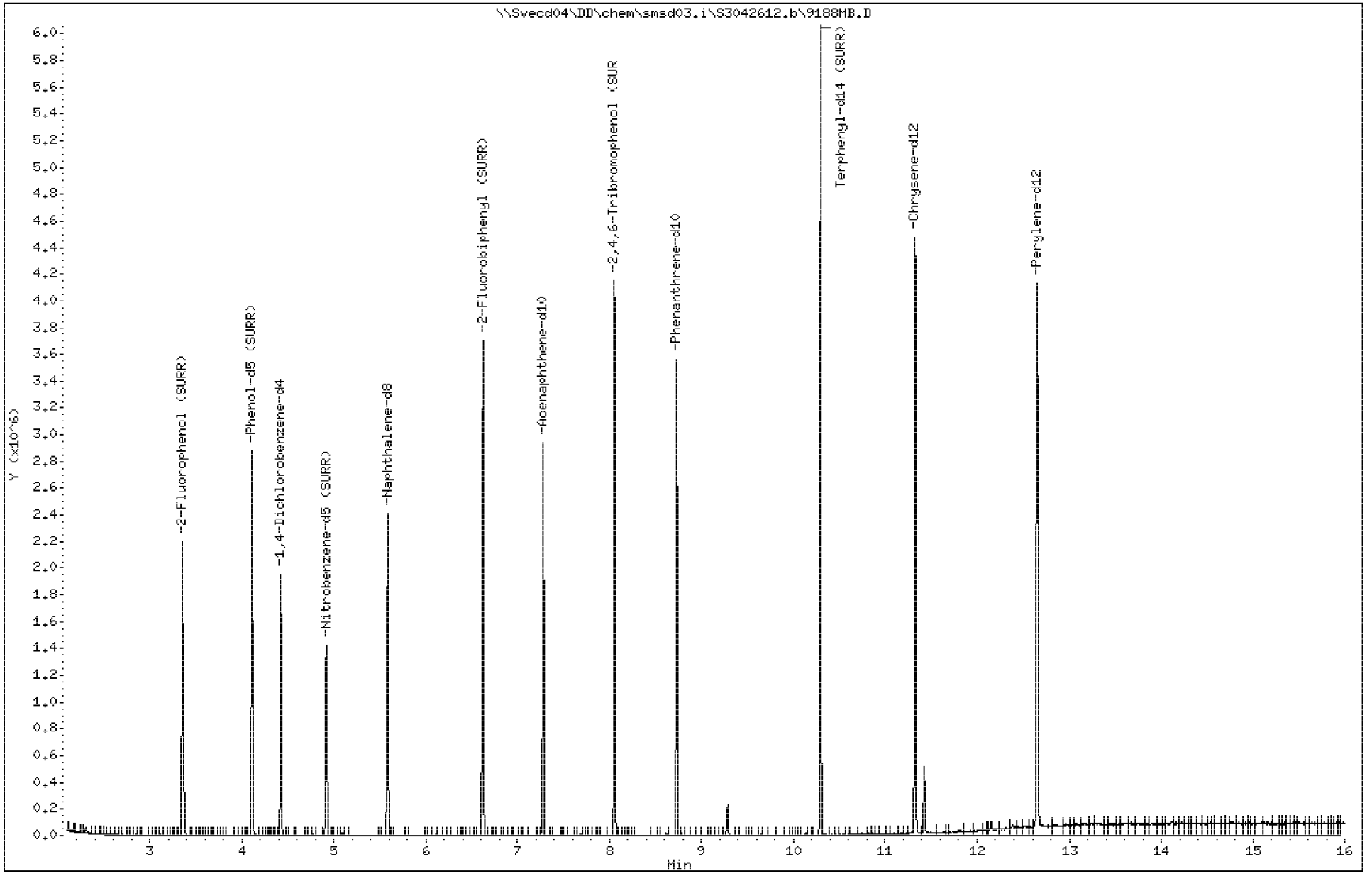
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.422	4.423	(1.000)	152	256024	40.0000		80.00- 120.00	100.00
4.422	4.423	(1.000)	115	165794			33.39- 93.39	64.76
4.422	4.423	(1.000)	150	388069			121.52- 181.52	151.58
25 Acetophenone						CAS #: 98-86-2		
4.776	4.778	(0.856)	105	1827	0.14037	7.0	80.00- 120.00	100.00
4.775	4.778	(0.855)	77	1949			69.57- 129.57	106.63
4.777	4.778	(0.856)	51	472			0.00- 54.45	25.85
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.582	5.583	(1.000)	136	865139	40.0000		80.00- 120.00	100.00
5.581	5.583	(1.000)	68	44206			0.00- 35.32	5.11
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.277	7.278	(1.000)	164	618298	40.0000		80.00- 120.00	100.00
7.277	7.278	(1.000)	162	581450			66.43- 126.43	94.04
7.277	7.278	(1.000)	160	270882			14.76- 74.76	43.81
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.732	8.734	(1.000)	188	1233165	40.0000		80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10 (continued)								
8.730	8.734	(1.000)	94	76041			0.00- 36.17	6.17
8.731	8.734	(1.000)	80	87720			0.00- 38.16	7.11
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.326	11.327	(1.000)	240	1657307	40.0000		80.00- 120.00	100.00
11.324	11.327	(1.000)	120	87839			0.00- 35.19	5.30
11.326	11.327	(1.000)	236	437581			0.00- 56.66	26.40
* 130 Perylene-d12						CAS #: 1520-96-3		
12.654	12.650	(1.000)	264	1723472	40.0000		80.00- 120.00	100.00
12.654	12.650	(1.000)	260	424136			0.00- 54.55	24.61
12.654	12.650	(1.000)	265	395861			0.00- 53.02	22.97

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188MB.D
Date : 26-APR-2012 12:19
Client ID: 127239MB
Sample Info: sw127239mb

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2186



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Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188MB.D

Date : 26-APR-2012 12:19

Client ID: 127239MB

Instrument: smsd03.i

Sample Info: sw127239mb

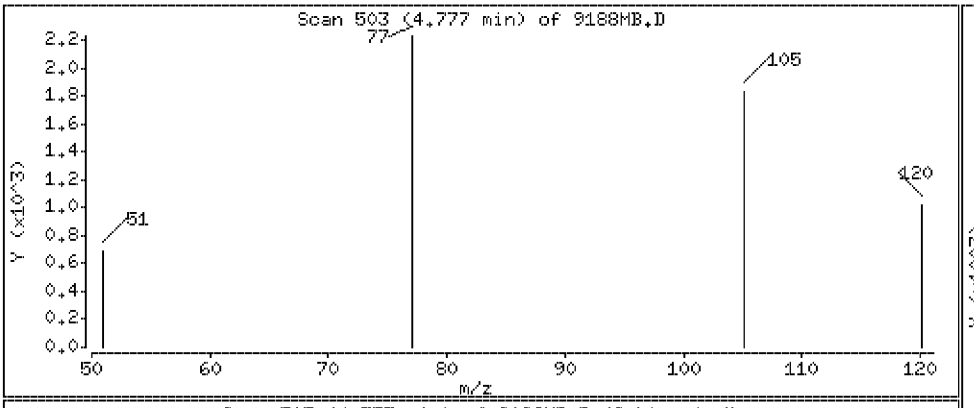
Operator: PEL

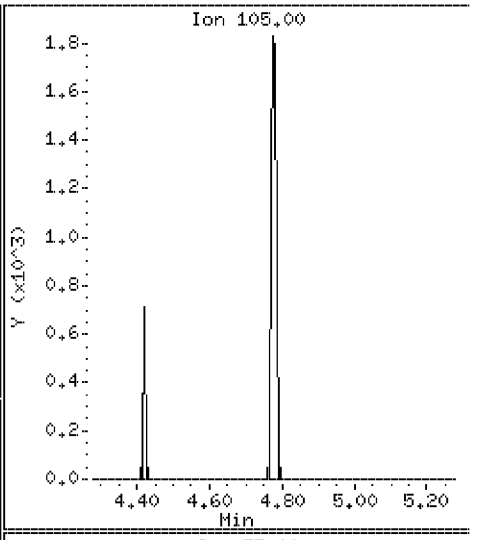
Column phase: HPMS-5

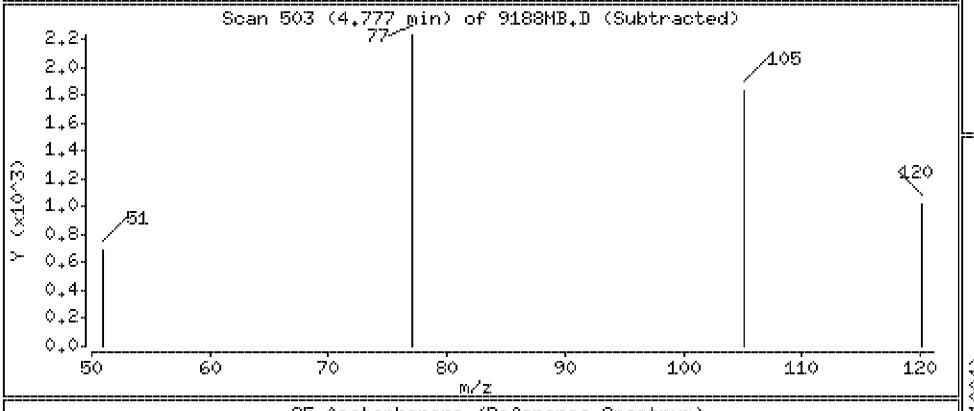
Column diameter: 0.25

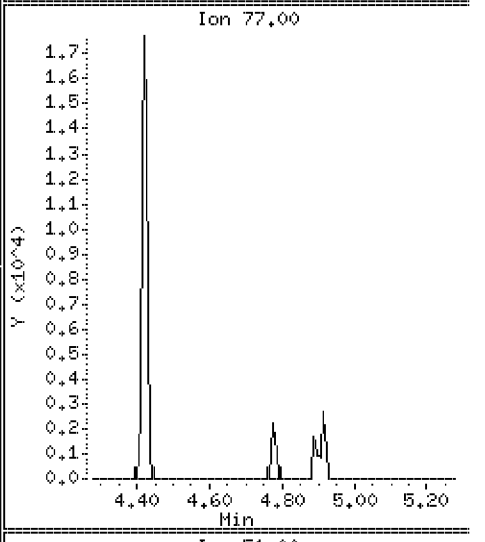
25 Acetophenone

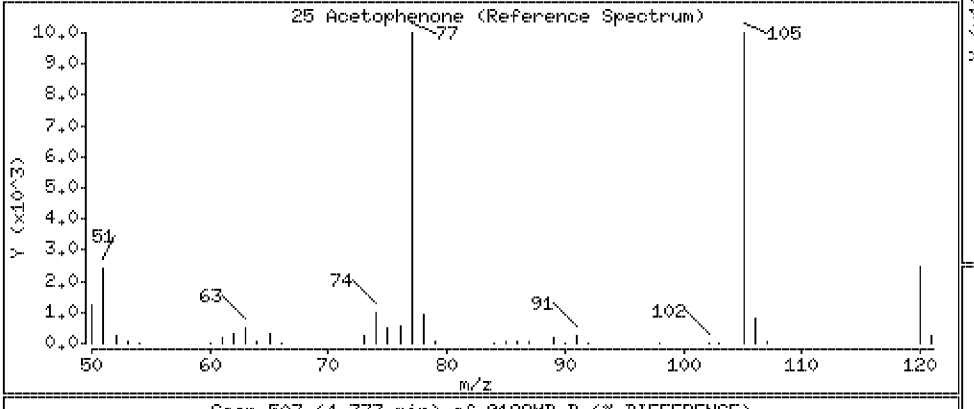
Concentration: 7.0 ug/kg

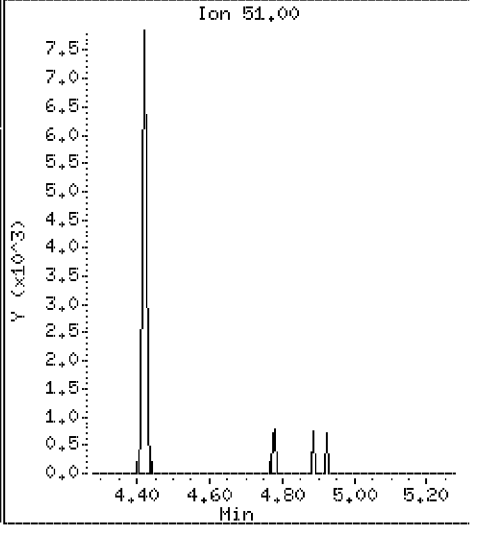


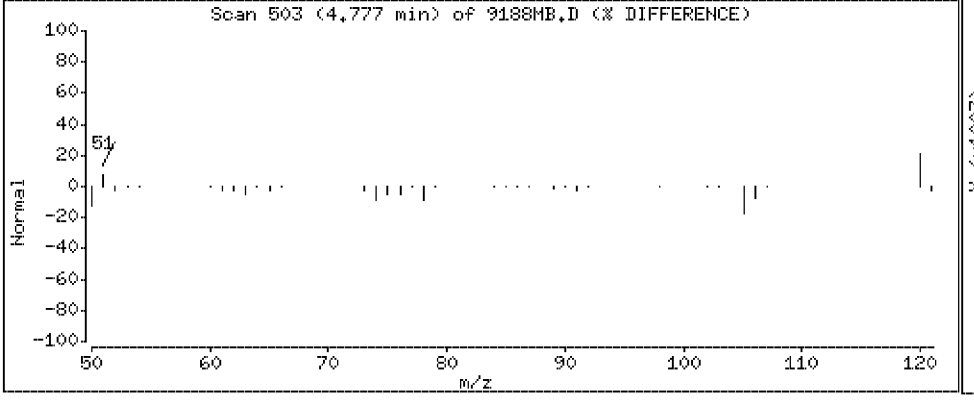












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D
Lab Smp Id: 127240LCS Client Smp ID: 127240LCS
Inj Date : 26-APR-2012 12:43 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw127240lcs
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.500	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.919	2.910 (0.660)		93	230685	24.3976	1190	80.00- 120.00	100.00
2.919	2.910 (0.660)		66	114847			20.86- 80.86	49.79
2.919	2.910 (0.660)		92	58676			0.00- 56.34	25.44
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
2.990	2.987 (0.676)		88	139322	34.5571	1680	80.00- 120.00	100.00
2.991	2.987 (0.676)		43	70603			17.39- 77.39	50.68
2.990	2.987 (0.676)		42	141757			68.13- 128.13	101.75
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.222	3.220 (0.728)		80	220390	33.0628	1610	80.00- 120.00	100.00
3.223	3.220 (0.728)		79	123292			28.45- 88.45	55.94
3.222	3.220 (0.728)		65	55498			0.00- 57.09	25.18
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.534	3.531 (0.799)		102	147910	37.0163	1800	80.00- 120.00	100.00
3.533	3.531 (0.798)		42	102709			38.33- 98.33	69.44
3.533	3.531 (0.799)		57	61104			11.32- 71.32	41.31
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.770	3.768 (0.852)		79	285523	41.2685	2010	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.771	3.768	(0.852)	109	151541			22.59- 82.59	53.08
3.770	3.768	(0.852)	97	53713			0.00- 48.34	18.81
	12 Pentachloroethane					CAS #: 76-01-7		
4.186	4.184	(0.946)	167	134453	34.0490	1660	80.00- 120.00	100.00
4.185	4.184	(0.946)	117	97554			41.63- 101.63	72.56
4.185	4.184	(0.946)	130	59755			13.26- 73.26	44.44
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.425	4.423	(1.000)	152	258293	40.0000		80.00- 120.00	100.00
4.424	4.423	(1.000)	115	164034			33.39- 93.39	63.51
4.425	4.423	(1.000)	150	427382			121.52- 181.52	165.46
	24 N-Nitrosopyrrolidine					CAS #: 930-55-2		
4.772	4.763	(1.078)	100	192373	45.6702	2230	80.00- 120.00	100.00(Q)
4.776	4.763	(1.079)	41	296632			34.45- 94.45	154.20
4.777	4.763	(1.079)	42	302953			26.31- 86.31	157.48
	25 Acetophenone					CAS #: 98-86-2		
4.781	4.778	(0.856)	105	1036672	78.2496	3820	80.00- 120.00	100.00
4.781	4.778	(0.856)	77	1188795			69.57- 129.57	114.67
4.781	4.778	(0.856)	51	306757			0.00- 54.45	29.59
	27 N-Nitrosomorpholine					CAS #: 59-89-2		
4.797	4.794	(1.084)	56	204683	47.4599	2320	80.00- 120.00	100.00
4.798	4.794	(1.084)	116	69991			6.33- 66.33	34.20
4.798	4.794	(1.084)	86	138550			39.78- 99.78	67.69
	29 o-Toluidine					CAS #: 95-53-4		
4.814	4.812	(1.088)	106	416878	30.3451	1480	80.00- 120.00	100.00
4.813	4.812	(1.088)	77	104191			0.00- 54.63	24.99
4.814	4.812	(1.088)	107	302269			43.62- 103.62	72.51
	33 N-Nitrosopiperidine					CAS #: 100-75-4		
5.075	5.072	(0.909)	114	159288	41.6041	2030	80.00- 120.00	100.00
5.074	5.072	(0.908)	42	179293			83.44- 143.44	112.56
5.074	5.072	(0.909)	55	94085			31.18- 91.18	59.07
	37 o,o,o-Triethylphosphorothioate					CAS #: 126-68-1		
5.317	5.314	(1.202)	198	250870	40.4124	1970	80.00- 120.00	100.00
5.316	5.314	(1.201)	97	165430			35.12- 95.12	65.94
5.315	5.314	(1.201)	65	133792			22.68- 82.68	53.33
	39 a,a-Dimethylphenethylamine					CAS #: 122-09-8		
5.528	5.414	(0.990)	58	234625	17.4829	853	80.00- 120.00	100.00(M)
5.528	5.414	(0.990)	91	97349			4.25- 64.25	41.49
5.534	5.414	(0.991)	65	52080			0.00- 48.94	22.20
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.585	5.583	(1.000)	136	880622	40.0000		80.00- 120.00	100.00
5.585	5.583	(1.000)	68	46148			0.00- 35.32	5.24

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.667	5.667	(1.015)	162	307842	41.7721	2040	80.00- 120.00	100.00
5.665	5.667	(1.014)	63	311603			45.07- 105.07	101.22
5.666	5.667	(1.015)	98	80252			0.00- 57.32	26.07
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.969	5.968	(1.069)	84	290310	40.9221	2000	80.00- 120.00	100.00
5.968	5.968	(1.069)	57	168049			29.33- 89.33	57.89
5.968	5.968	(1.069)	41	133847			20.26- 80.26	46.10
52 Isosafrole						CAS #: 120-58-1		
6.177	6.176	(1.106)	162	273022	38.2482	1860	80.00- 120.00	100.00
6.177	6.176	(1.106)	104	209590			42.54- 102.54	76.77
6.177	6.176	(1.106)	131	133856			18.04- 78.04	49.03
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.428	6.427	(0.883)	216	439280	35.9761	1750	80.00- 120.00	100.00
6.428	6.427	(0.883)	214	343660			47.07- 107.07	78.23
6.426	6.427	(0.883)	108	92265			0.00- 47.53	21.00
60 Safrole						CAS #: 94-59-7		
6.680	6.678	(1.196)	162	286098	42.6973	2080	80.00- 120.00	100.00
6.679	6.678	(1.196)	104	183550			32.00- 92.00	64.16
6.679	6.678	(1.196)	77	120449			9.31- 69.31	42.10
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.907	6.907	(0.949)	158	21297	3.08972	151	80.00- 120.00	100.00(R)
6.907	6.907	(0.949)	102	18866			57.84- 117.84	88.58
6.906	6.907	(0.949)	130	9935			16.16- 76.16	46.65
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.049	7.044	(0.968)	168	136547	41.8894	2040	80.00- 120.00	100.00
7.047	7.044	(0.968)	75	171786			96.24- 156.24	125.81
7.047	7.044	(0.968)	50	97636			38.85- 98.85	71.50
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.280	7.278	(1.000)	164	644409	40.0000		80.00- 120.00	100.00
7.280	7.278	(1.000)	162	618239			66.43- 126.43	95.94
7.280	7.278	(1.000)	160	278008			14.76- 74.76	43.14
73 Pentachlorobenzene						CAS #: 608-93-5		
7.443	7.441	(1.022)	250	454447	38.1691	1860	80.00- 120.00	100.00
7.443	7.441	(1.022)	252	293085			34.19- 94.19	64.49
7.442	7.441	(1.022)	108	119320			0.00- 56.91	26.26
77 1-Naphthylamine						CAS #: 134-32-7		
7.559	7.556	(1.038)	143	90108	7.99693	390	80.00- 120.00	100.00(R)
7.559	7.556	(1.038)	115	53392			25.69- 85.69	59.25
7.558	7.556	(1.038)	89	12812			0.00- 42.05	14.22
78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2		
7.608	7.608	(1.045)	232	245455	37.5285	1830	80.00- 120.00	100.00
7.607	7.608	(1.045)	168	63559			0.00- 55.39	25.89

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
78 2,3,4,6-Tetrachlorophenol (continued)								
7.607	7.608	(1.045)	131	101499			10.24- 70.24	41.35
79 2-Naphthylamine						CAS #: 91-59-8		
7.636	7.635	(1.049)	143	191764	12.9836	633	80.00- 120.00	100.00
7.636	7.635	(1.049)	115	115469			28.12- 88.12	60.21
7.635	7.635	(1.049)	116	40932			0.00- 51.60	21.35
83 5-Nitro-ortho-toluidine						CAS #: 99-55-8		
7.834	7.831	(1.076)	152	213532	37.2251	1820	80.00- 120.00	100.00
7.833	7.831	(1.076)	106	152802			43.78- 103.78	71.56
7.833	7.831	(1.076)	77	236123			97.61- 157.61	110.58
90 1,3,5-Trinitrobenzene						CAS #: 99-35-4		
8.203	8.193	(1.127)	75	327682	22.8326	1110	80.00- 120.00	100.00
8.203	8.193	(1.127)	74	202871			33.82- 93.82	61.91
8.204	8.193	(1.127)	213	121018			7.38- 67.38	36.93
89 Diallate						CAS #: 2303-16-4		
8.210	8.208	(1.128)	86	324488	40.5473	1980	80.00- 120.00	100.00(M)
8.205	8.208	(1.127)	43	316327			68.02- 128.02	97.48
8.210	8.208	(1.128)	234	224463			37.54- 97.54	69.17
92 Phenacetin						CAS #: 62-44-2		
8.242	8.241	(0.944)	109	374101	42.1066	2050	80.00- 120.00	100.00
8.242	8.241	(0.944)	108	421328			82.82- 142.82	112.62
8.243	8.241	(0.944)	179	252149			35.80- 95.80	67.40
91 p-Phenylenediamine						CAS #: 106-50-3		
8.242	8.240	(0.944)	108	421328	43.3045	2110	80.00- 120.00	100.00
8.242	8.240	(0.944)	80	121725			0.00- 58.29	28.89
8.241	8.240	(0.943)	53	51600			0.00- 42.90	12.25
97 Pentachloronitrobenzene						CAS #: 82-68-8		
8.566	8.564	(0.981)	237	207161	45.2470	2210	80.00- 120.00	100.00
8.567	8.564	(0.981)	295	73301			8.22- 68.22	35.38
8.565	8.564	(0.981)	142	139137			39.56- 99.56	67.16
98 4-Aminobiphenyl						CAS #: 92-67-1		
8.552	8.550	(0.979)	169	602138	27.3278	1330	80.00- 120.00	100.00
8.552	8.550	(0.979)	168	129098			0.00- 52.43	21.44
8.551	8.550	(0.979)	115	75297			0.00- 42.46	12.51
99 Pronamide						CAS #: 23950-58-5		
8.609	8.607	(0.986)	173	467500	42.6579	2080	80.00- 120.00	100.00
8.609	8.607	(0.986)	175	299113			34.07- 94.07	63.98
8.609	8.607	(0.986)	145	184695			8.89- 68.89	39.51
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.735	8.734	(1.000)	188	1275304	40.0000		80.00- 120.00	100.00
8.734	8.734	(1.000)	94	77867			0.00- 36.17	6.11
8.734	8.734	(1.000)	80	101335			0.00- 38.16	7.95

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
102 Dinoseb							CAS #: 88-85-7		
8.731	8.728	(1.000)	211	296614	41.1521	2010	80.00- 120.00	100.00	
8.729	8.728	(0.999)	163	110332			9.36- 69.36	37.20	
8.730	8.728	(0.999)	117	64183			0.00- 51.90	21.64	
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5		
9.516	9.516	(1.089)	174	13463	43.6857	2130	80.00- 120.00	100.00	(Q)
9.519	9.516	(1.090)	128	28679			218.15- 278.15	213.01	
9.518	9.516	(1.090)	101	44831			337.85- 397.85	332.97	
107 Methapyrilene							CAS #: 91-80-5		
9.578	9.583	(1.097)	97	485	1.13570	55.4	80.00- 120.00	100.00	(QR)
9.583	9.583	(1.097)	58	239			65.05- 125.05	49.36	
9.547	9.583	(1.093)	191	2970			0.00- 47.68	611.16	
108 Isodrin							CAS #: 465-73-6		
9.775	9.774	(1.119)	193	179333	46.1410	2250	80.00- 120.00	100.00	
9.774	9.774	(1.119)	66	157223			57.56- 117.56	87.67	
9.775	9.774	(1.119)	195	150023			51.95- 111.95	83.66	
113 Aramite							CAS #: 140-57-8		
10.342	10.345	(0.913)	185	170654	35.2539	1720	80.00- 120.00	100.00	(M)
10.342	10.345	(0.913)	191	84155			21.26- 81.26	49.31	
10.272	10.345	(0.907)	319	62025			5.26- 65.26	36.35	
114 p-Dimethylamino azobenzene							CAS #: 60-11-7		
10.435	10.435	(0.921)	225	418851	35.1022	1710	80.00- 120.00	100.00	
10.434	10.435	(0.921)	120	378946			64.36- 124.36	90.47	
10.434	10.435	(0.921)	77	407491			73.56- 133.56	97.29	
115 Chlorobenzilate							CAS #: 510-15-6		
10.478	10.478	(0.925)	251	599227	32.4852	1580	80.00- 120.00	100.00	
10.478	10.478	(0.925)	253	388279			33.47- 93.47	64.80	
10.476	10.478	(0.925)	139	531939			59.42- 119.42	88.77	
116 Kepone							CAS #: 143-50-0		
10.908	10.815	(0.963)	272	51866	16.4355	802	80.00- 120.00	100.00	(QM)
10.929	10.815	(0.965)	274	43941			54.03- 114.03	84.72	
11.042	10.815	(0.974)	237	75206			29.73- 89.73	145.00	
117 3,3-Dimethylbenzidine							CAS #: 119-93-7		
10.764	10.767	(0.950)	212	277505	7.65609	373	80.00- 120.00	100.00	(R)
10.766	10.767	(0.950)	106	30063			0.00- 36.50	10.83	
10.764	10.767	(0.950)	180	19560			0.00- 37.81	7.05	
119 2-Acetylaminofluorene							CAS #: 53-96-3		
11.017	11.015	(0.972)	181	704691	33.7207	1640	80.00- 120.00	100.00	
11.017	11.015	(0.972)	223	454747			34.36- 94.36	64.53	
11.017	11.015	(0.972)	180	603603			55.41- 115.41	85.65	
* 121 Chrysene-d12							CAS #: 1719-03-5		
11.331	11.327	(1.000)	240	2027742	40.0000		80.00- 120.00	100.00	
11.330	11.327	(1.000)	120	118436			0.00- 35.19	5.84	

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.331	11.327	(1.000)	236	549377			0.00- 56.66	27.09
126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.303	12.295	(0.972)	256	978650	40.9918	2000	80.00- 120.00	100.00
12.303	12.295	(0.972)	241	547761			26.61- 86.61	55.97
12.303	12.295	(0.972)	239	455298			16.19- 76.19	46.52
* 130 Perylene-d12						CAS #: 1520-96-3		
12.655	12.650	(1.000)	264	1677191	40.0000		80.00- 120.00	100.00
12.655	12.650	(1.000)	260	423530			0.00- 54.55	25.25
12.655	12.650	(1.000)	265	388526			0.00- 53.02	23.17
131 3-Methylcholanthrene						CAS #: 56-49-5		
12.917	12.915	(1.021)	268	977465	36.3520	1770	80.00- 120.00	100.00
12.917	12.915	(1.021)	252	400897			14.06- 74.06	41.01
12.917	12.915	(1.021)	253	361803			8.21- 68.21	37.01
132 Dibenz(a,j)acridine						CAS #: 224-42-0		
13.498	13.501	(1.067)	279	342032	8.84285	431	80.00- 120.00	100.00(R)
13.497	13.501	(1.067)	280	77177			0.00- 54.38	22.56
13.500	13.501	(1.067)	277	50611			0.00- 45.49	14.80

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

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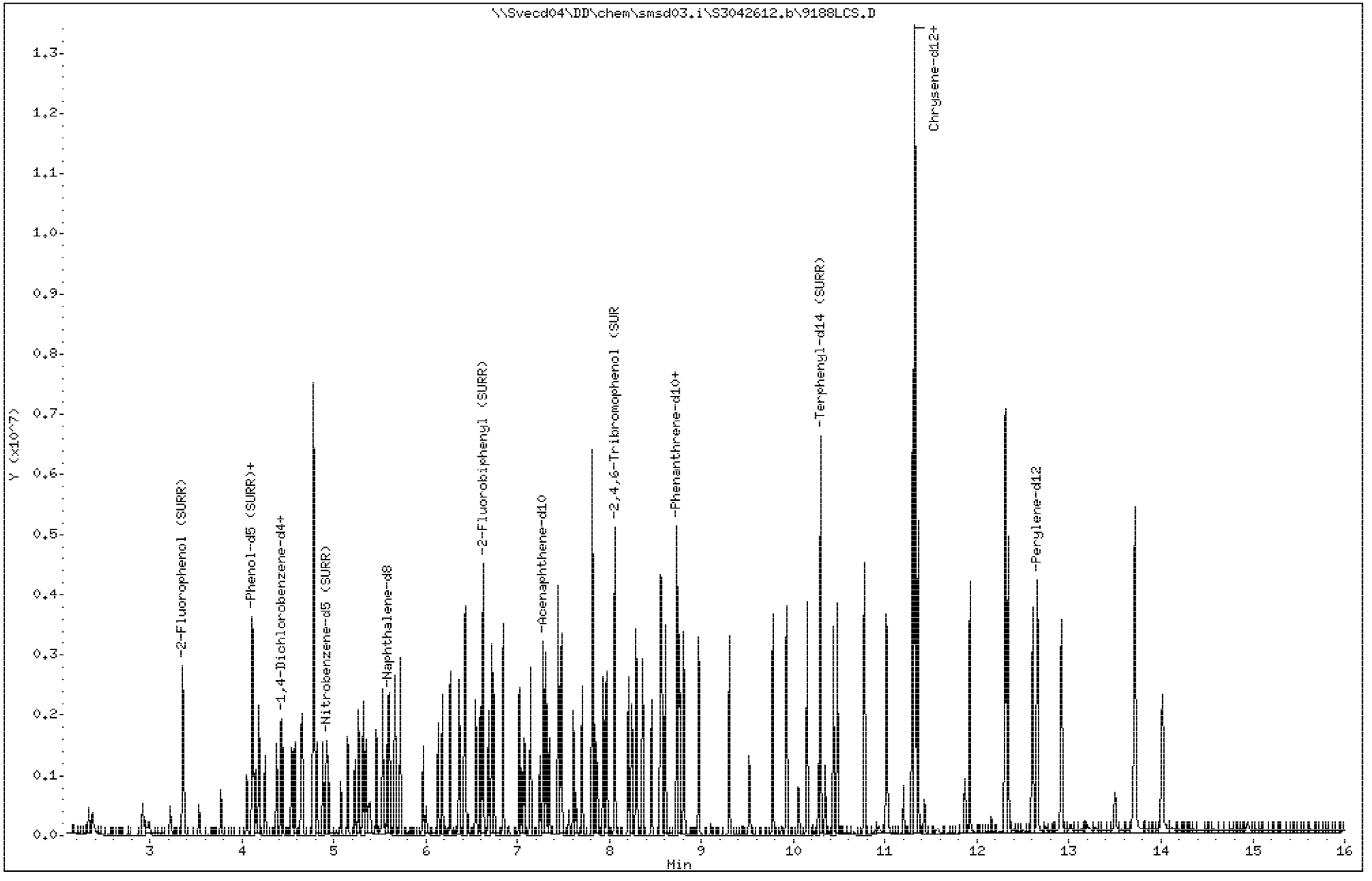
Date : 26-APR-2012 12:43
Client ID: 127240LCS
Sample Info: sw127240lcs

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2194



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Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

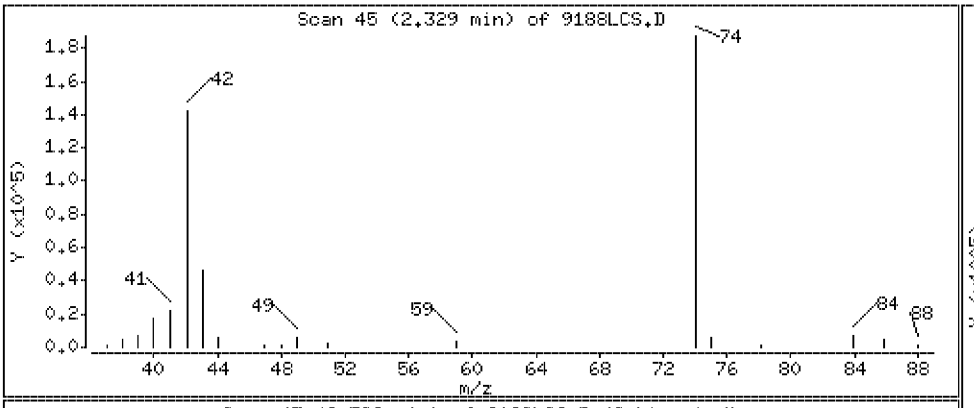
Operator: PEL

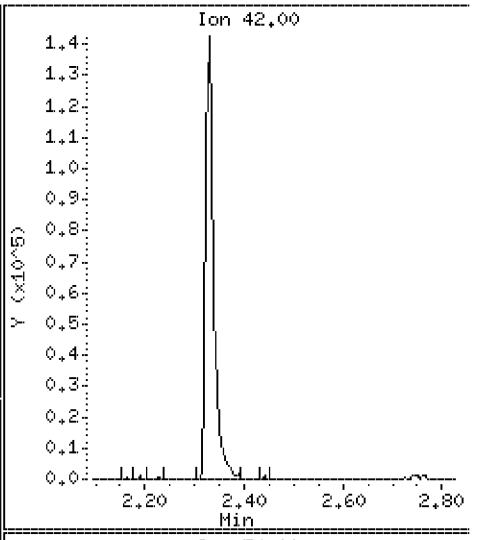
Column phase: HPMS-5

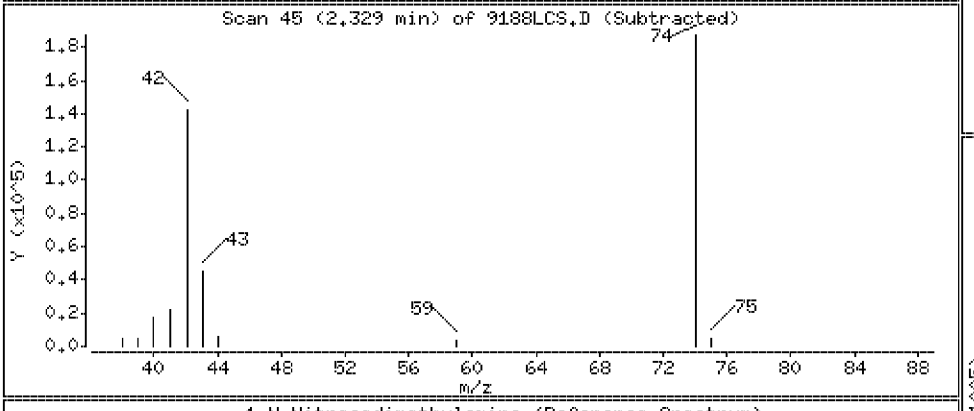
Column diameter: 0.25

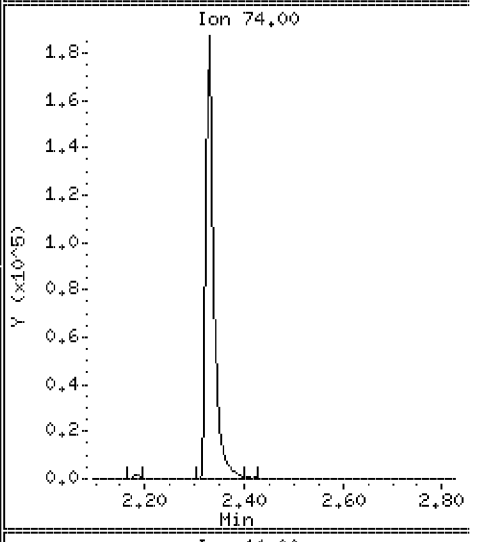
1 N-Nitrosodimethylamine

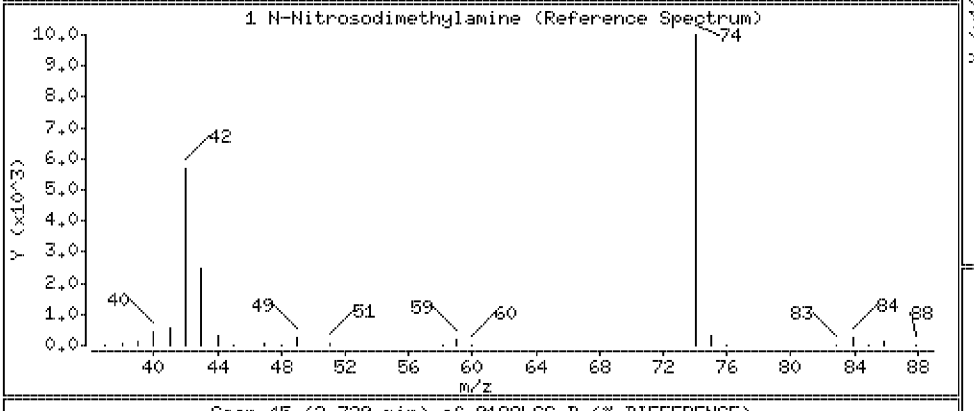
Concentration: 1880 ug/kg

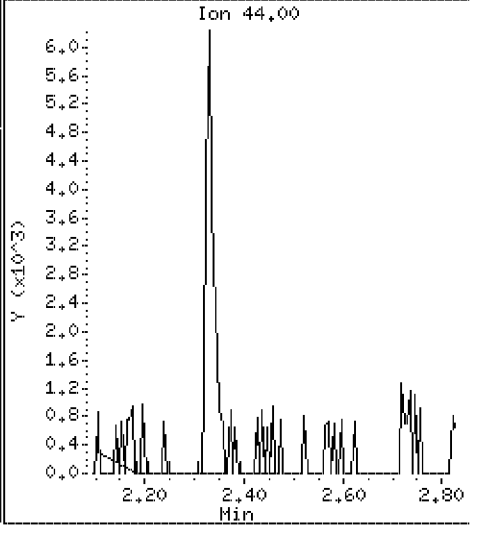


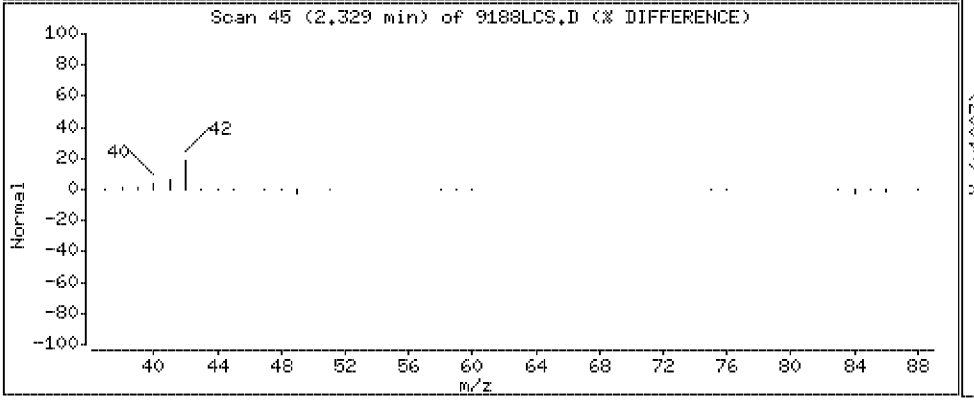












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Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

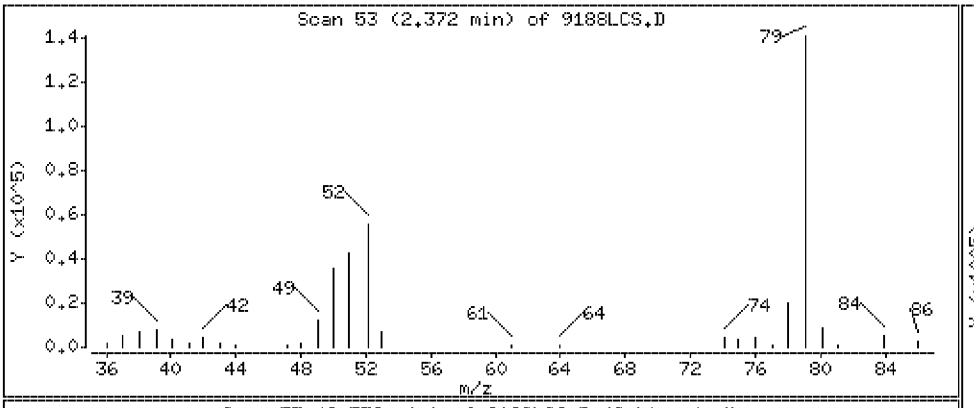
Operator: PEL

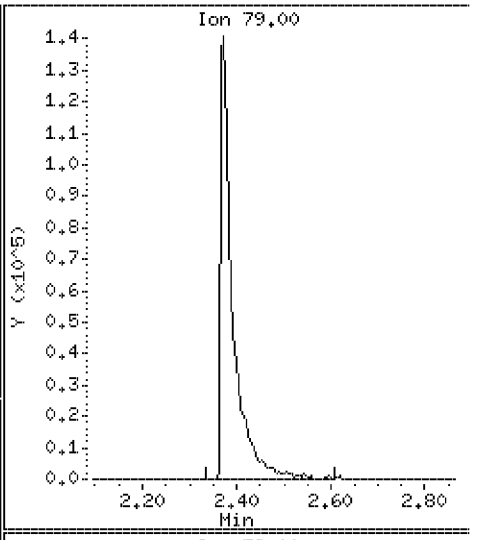
Column phase: HPMS-5

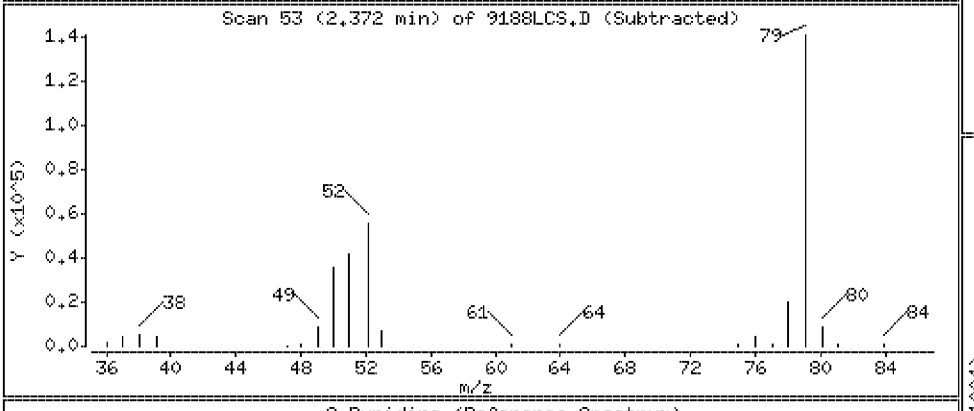
Column diameter: 0.25

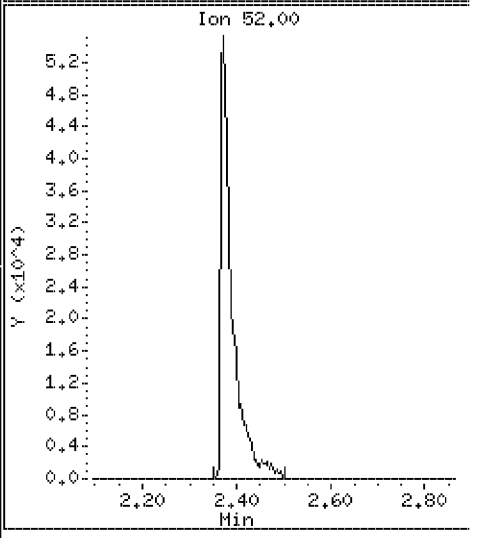
2 Pyridine

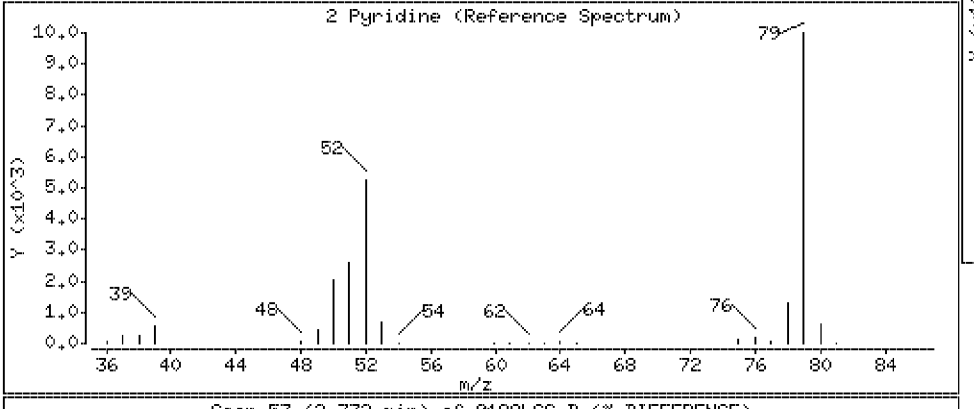
Concentration: 1290 ug/kg

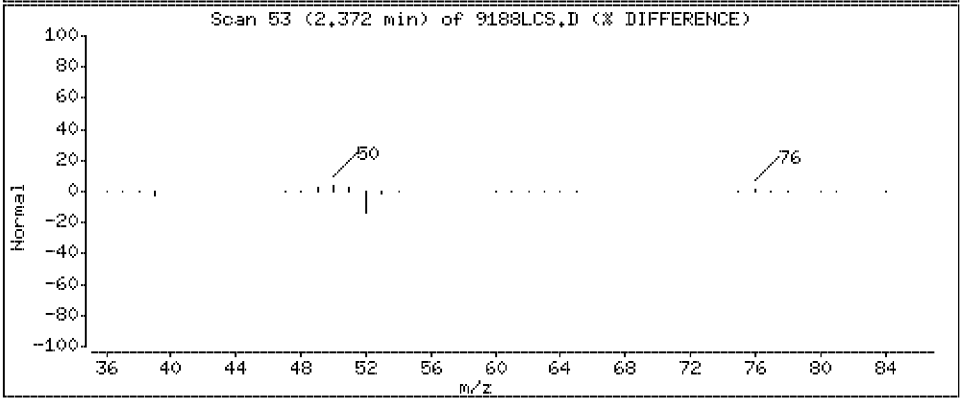












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

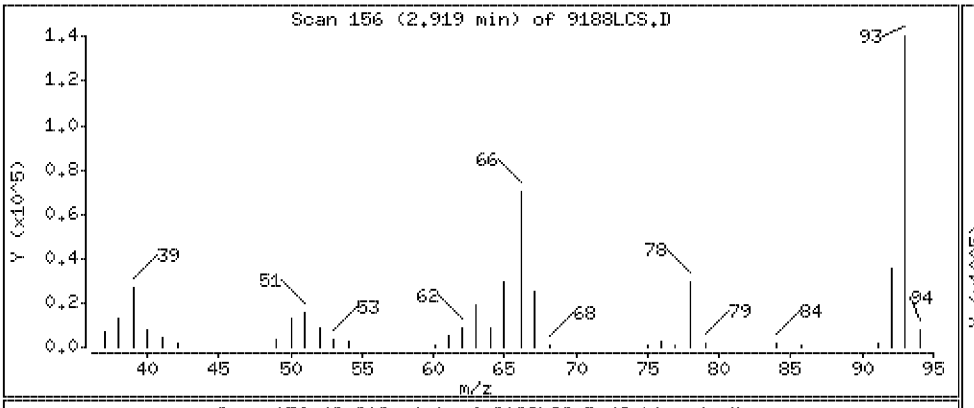
Operator: PEL

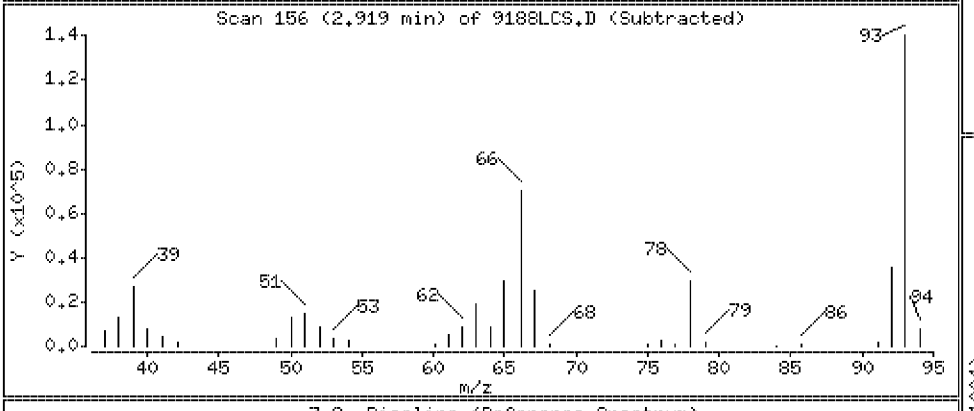
Column phase: HPMS-5

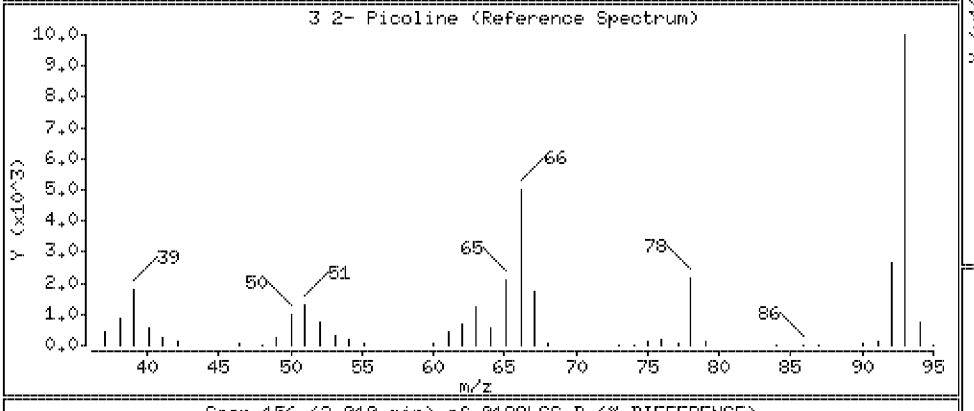
Column diameter: 0.25

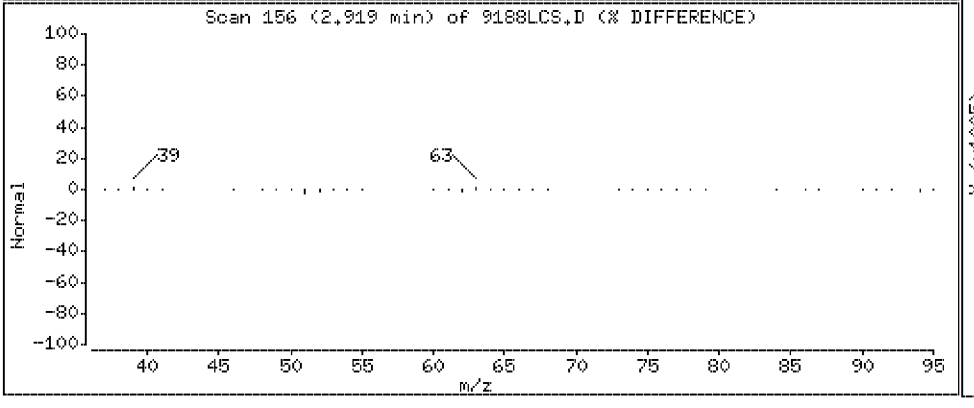
3 2- Picoline

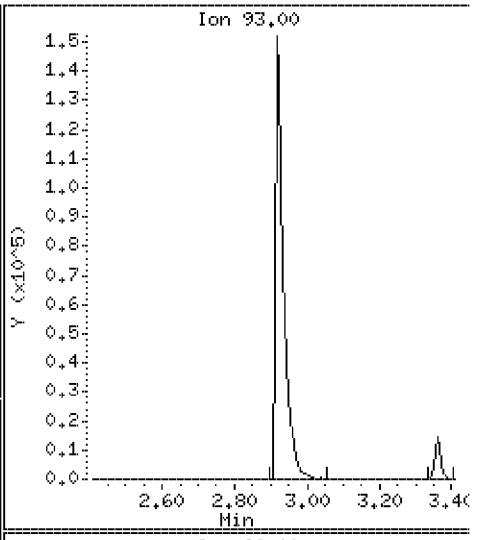
Concentration: 1190 ug/kg

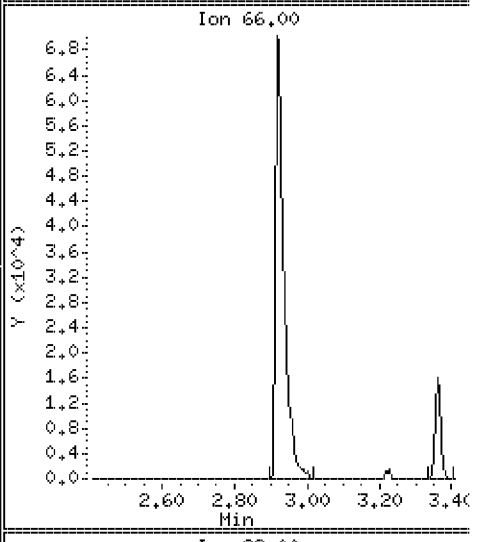


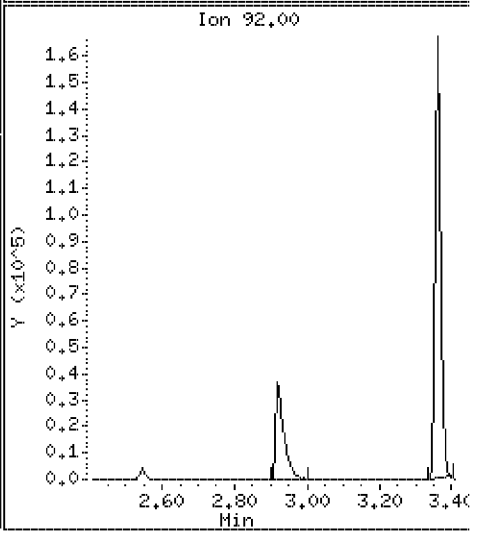












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

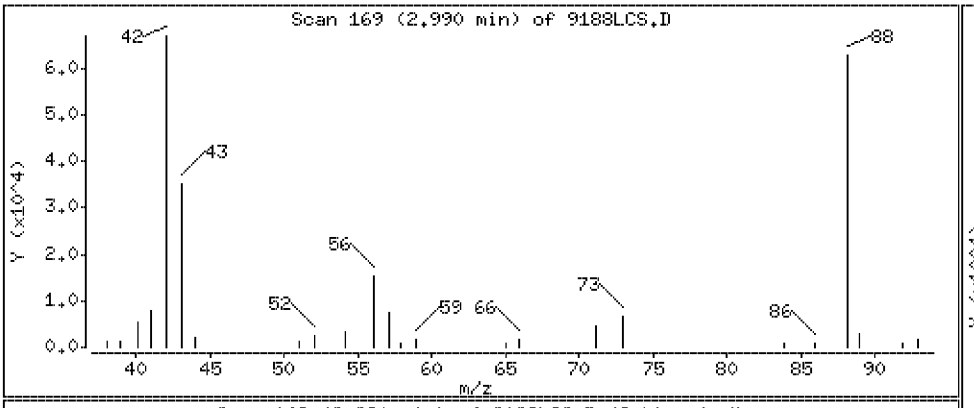
Operator: PEL

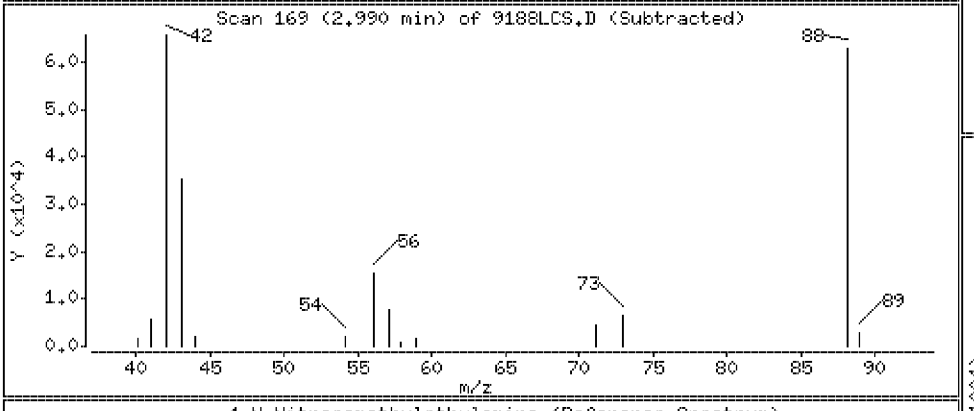
Column phase: HPMS-5

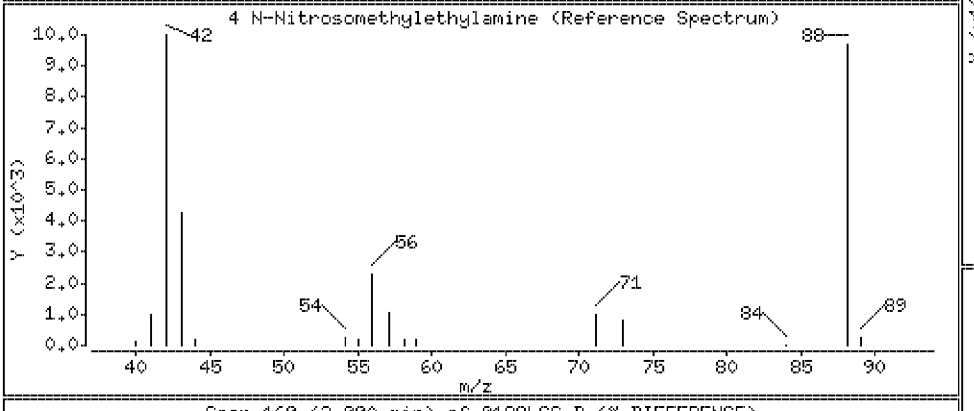
Column diameter: 0.25

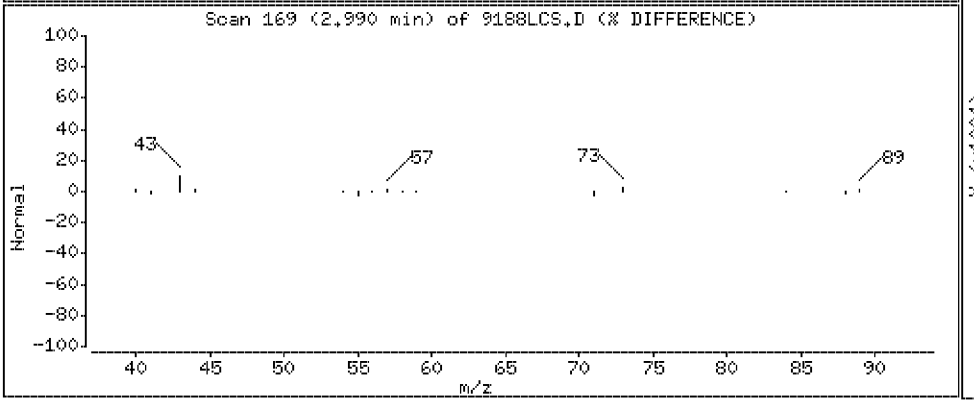
4 N-Nitrosomethylethylamine

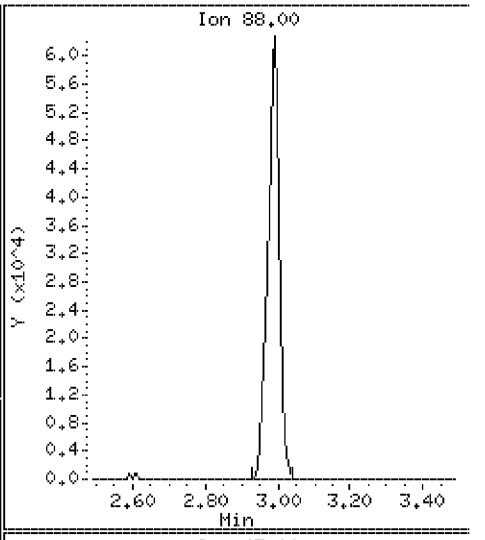
Concentration: 1680 ug/kg

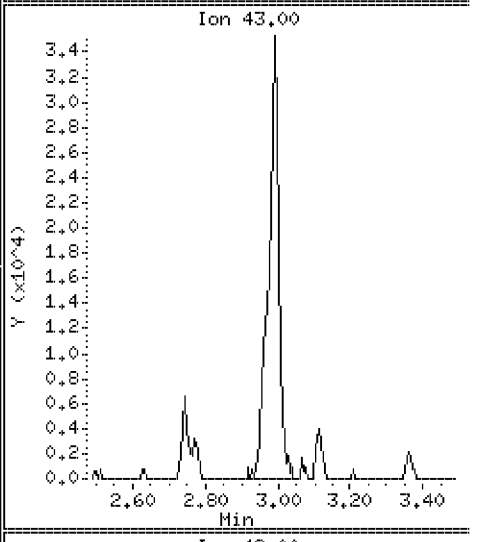


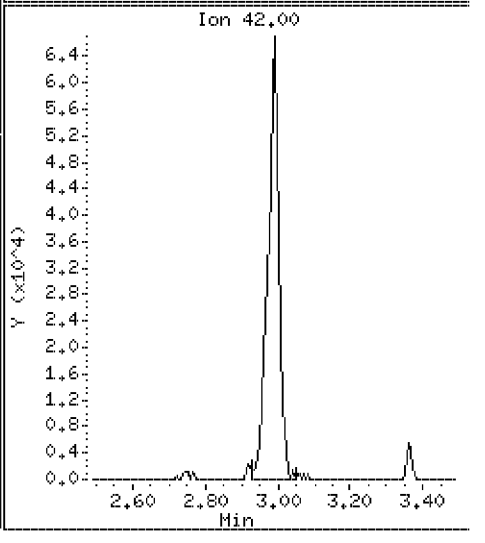












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

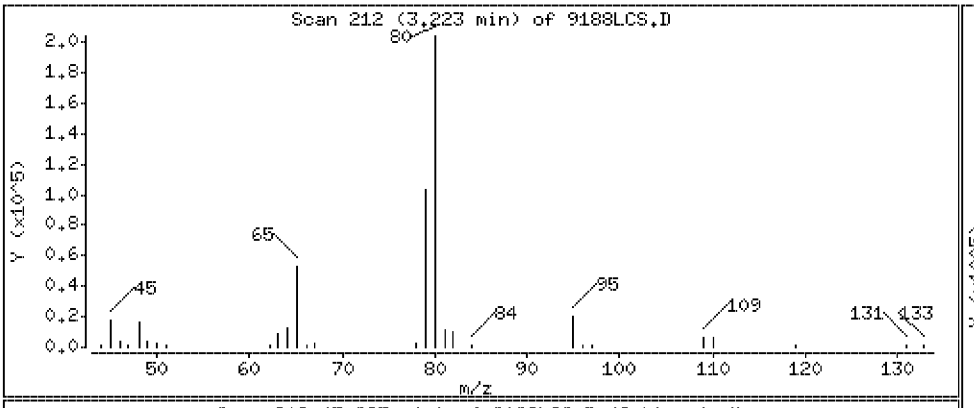
Operator: PEL

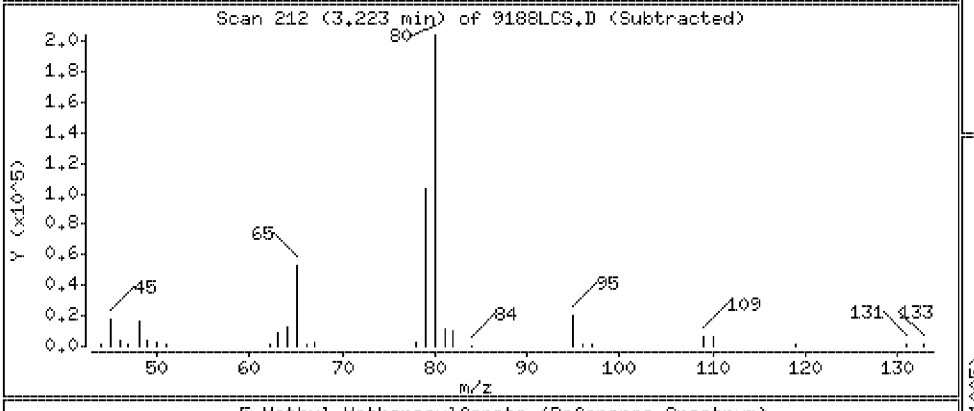
Column phase: HPMS-5

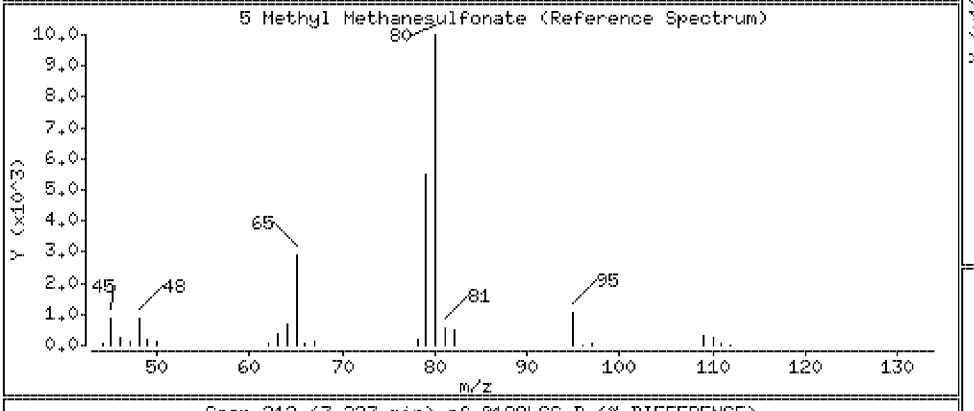
Column diameter: 0.25

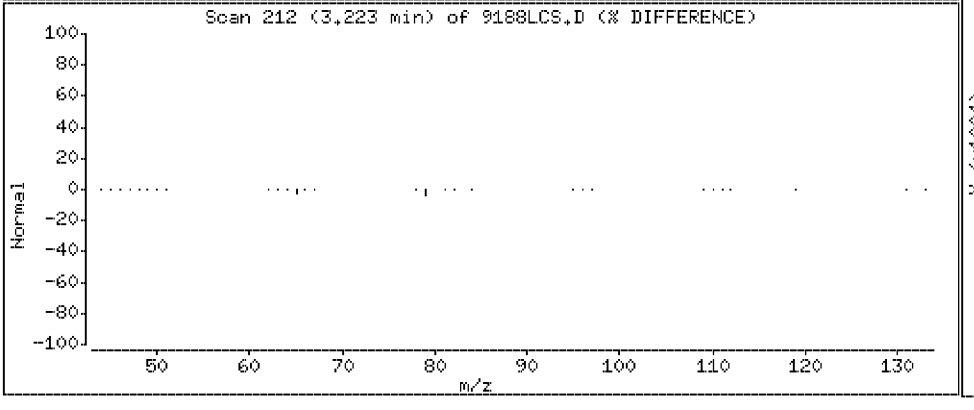
5 Methyl Methanesulfonate

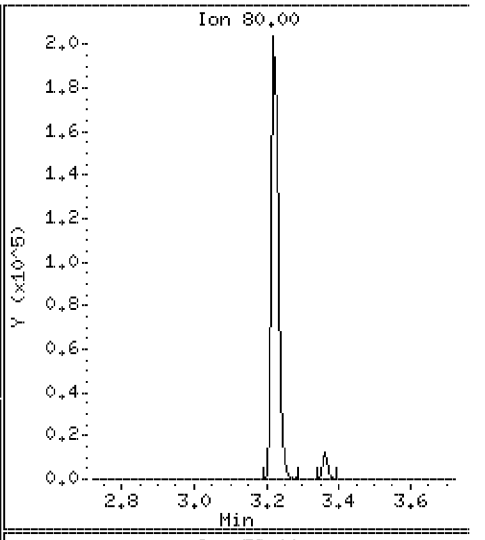
Concentration: 1610 ug/kg

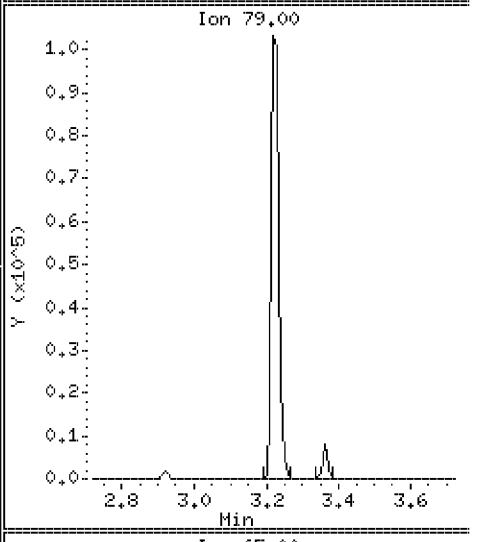


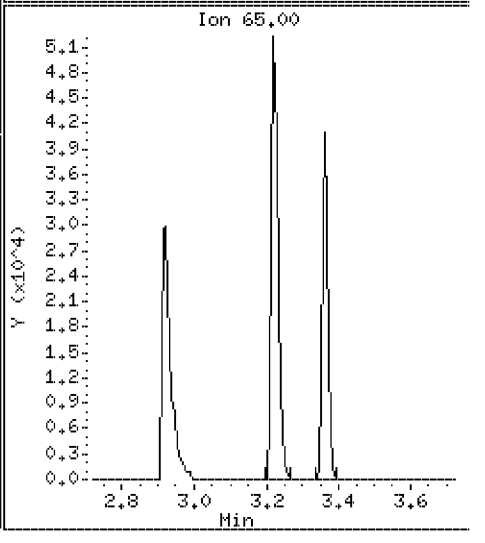












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

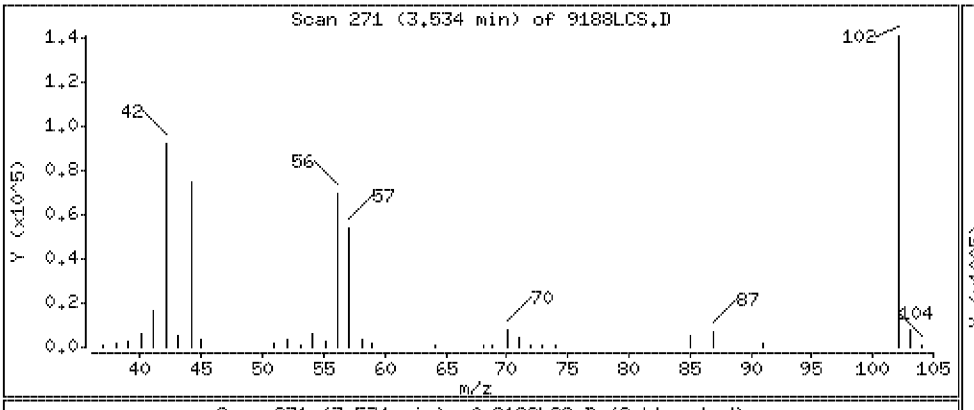
Operator: PEL

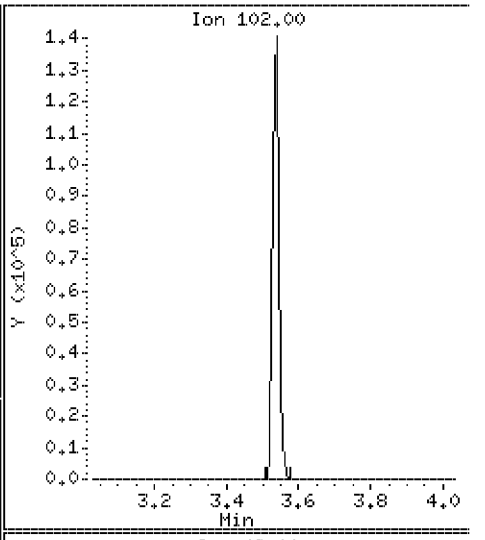
Column phase: HPMS-5

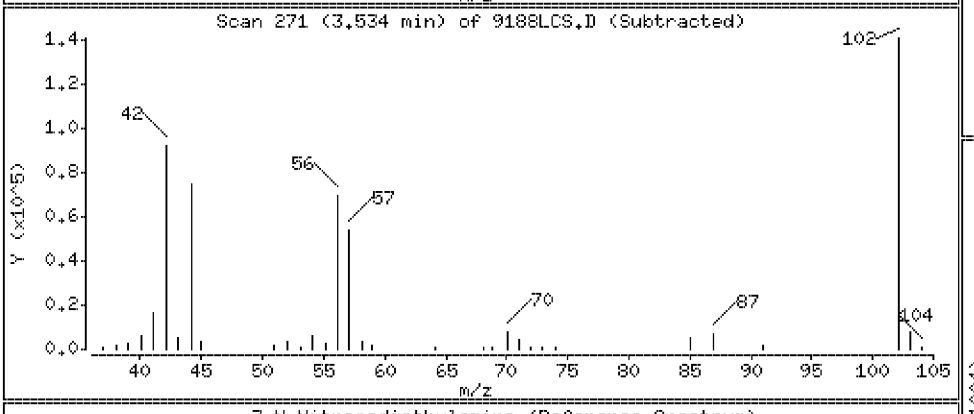
Column diameter: 0.25

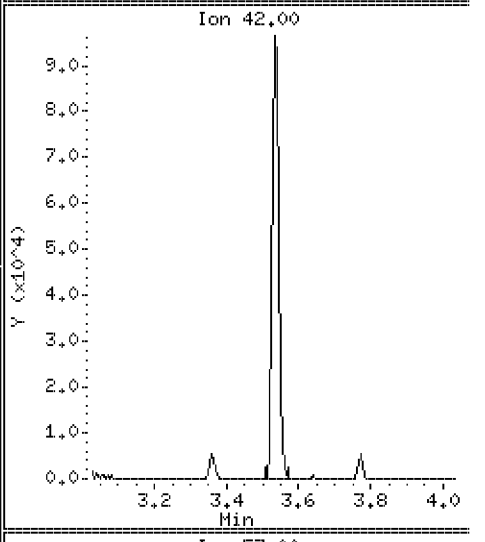
7 N-Nitrosodiethylamine

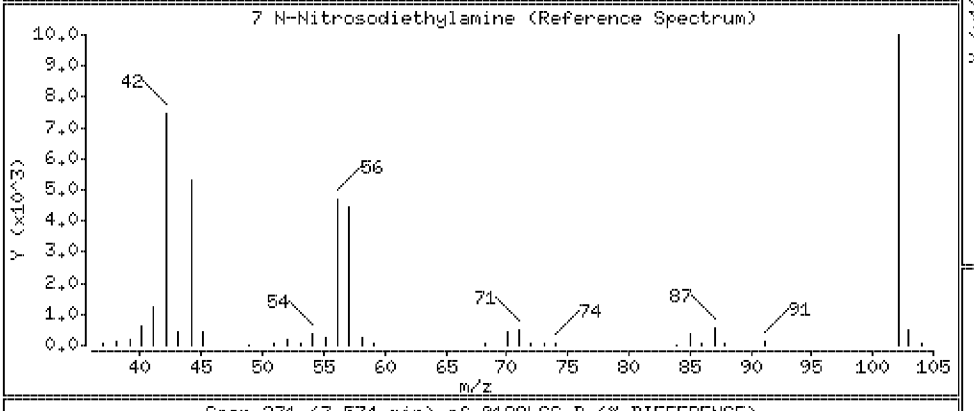
Concentration: 1800 ug/kg

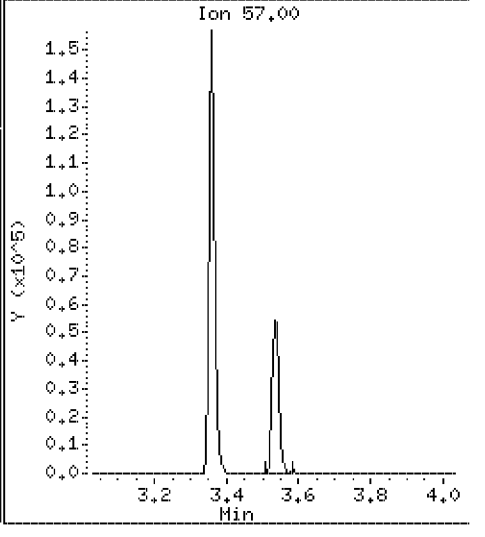


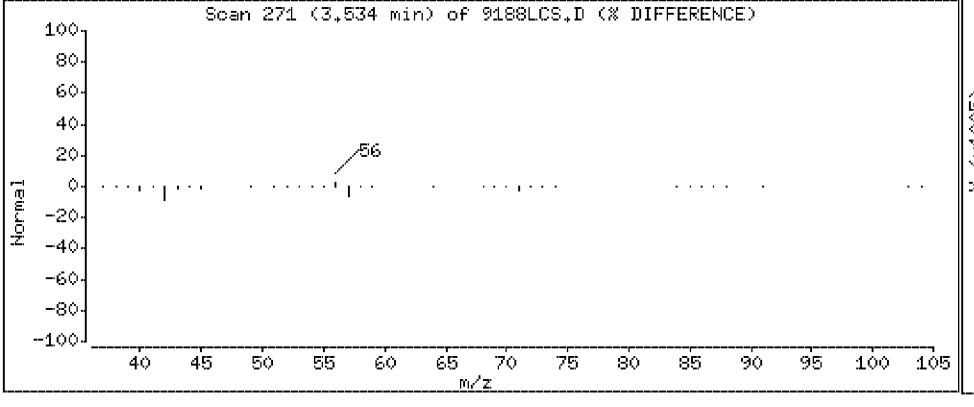












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

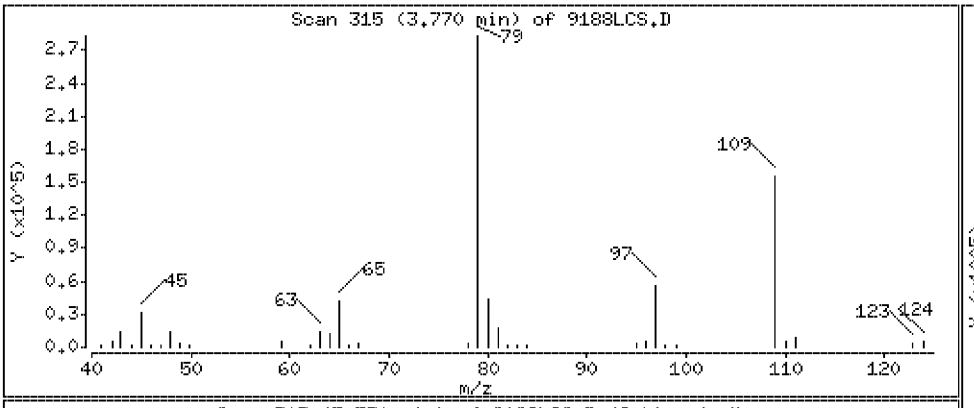
Operator: PEL

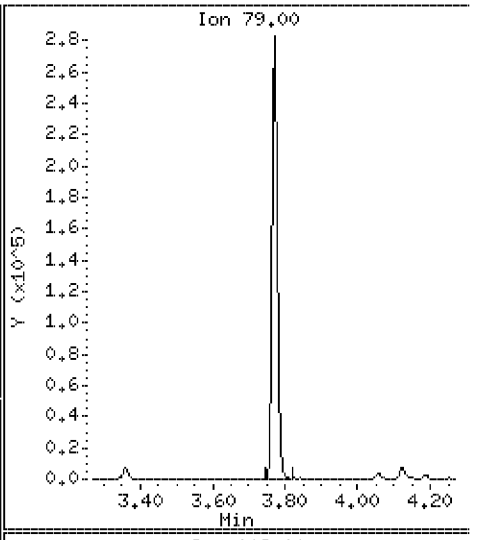
Column phase: HPMS-5

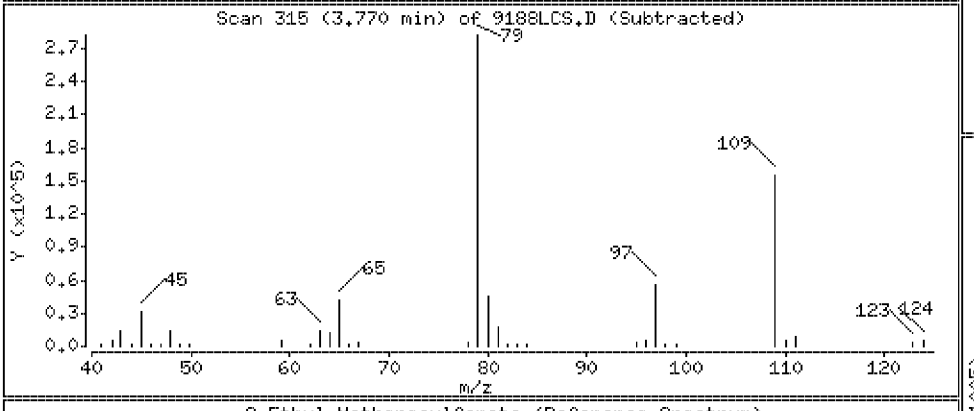
Column diameter: 0.25

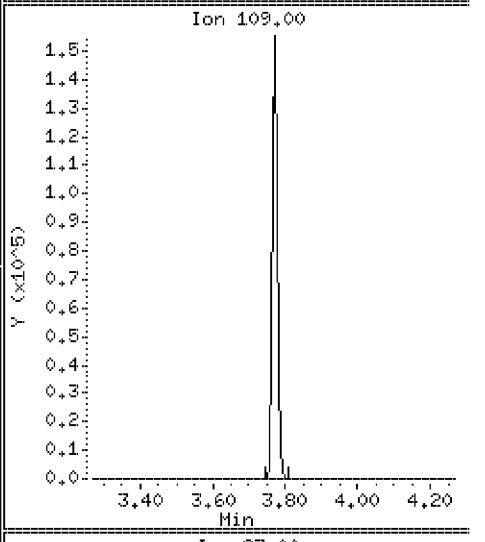
8 Ethyl Methanesulfonate

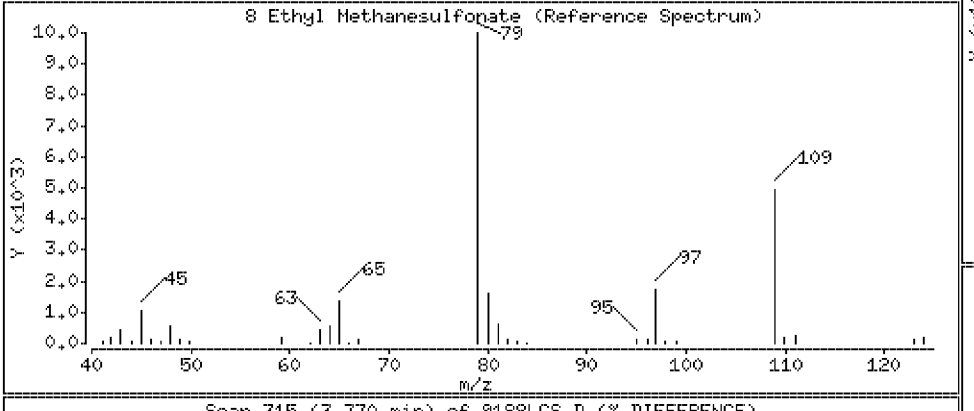
Concentration: 2010 ug/kg

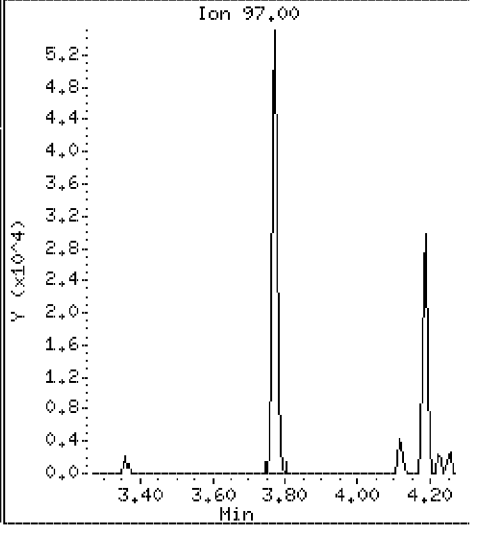


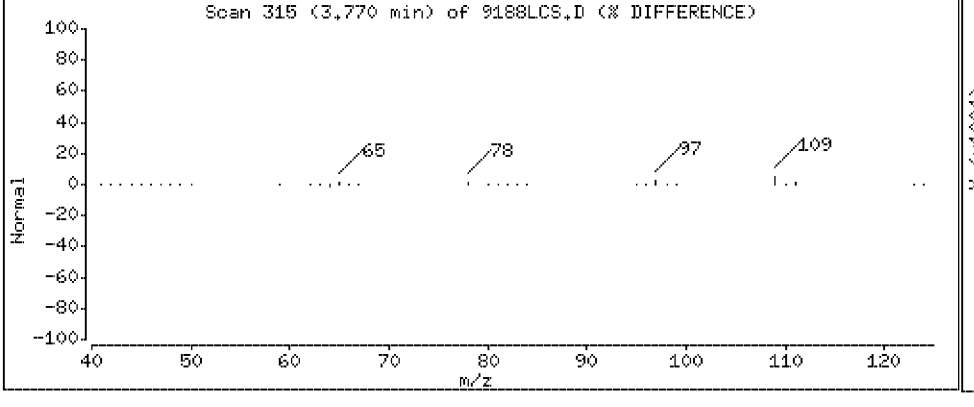












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

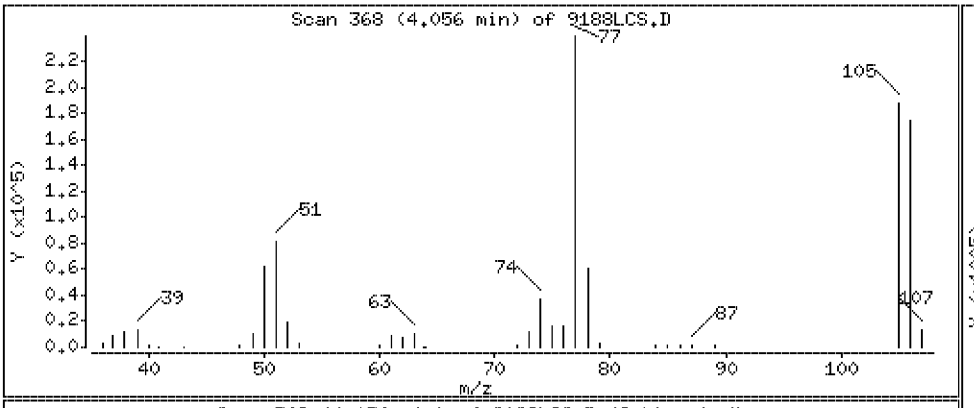
Operator: PEL

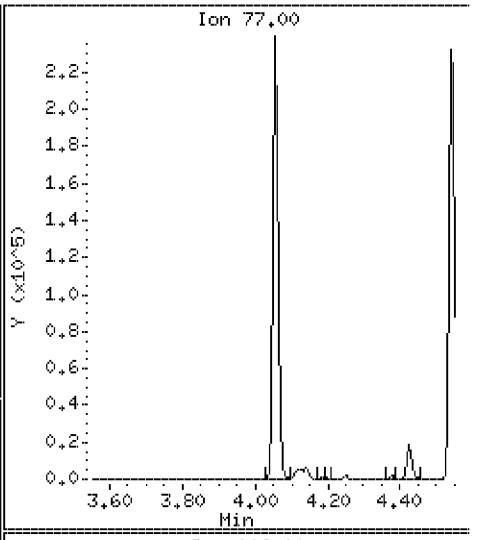
Column phase: HPMS-5

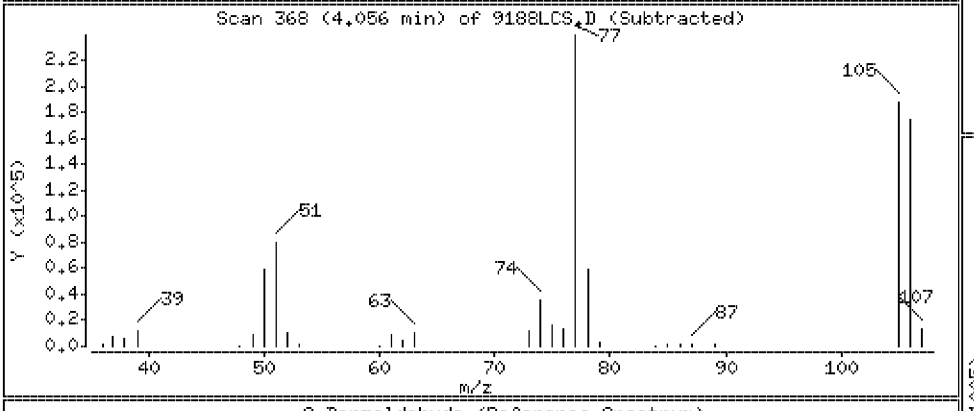
Column diameter: 0.25

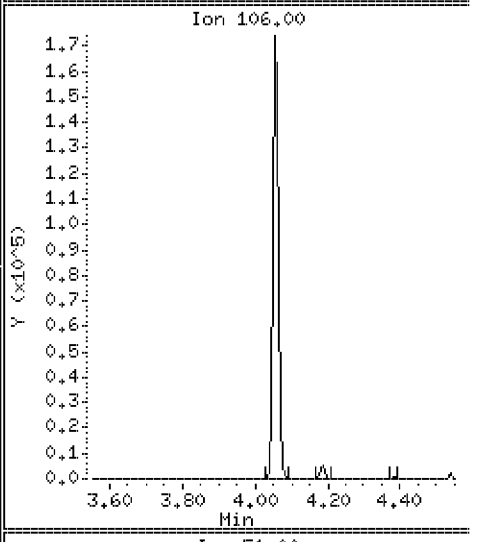
9 Benzaldehyde

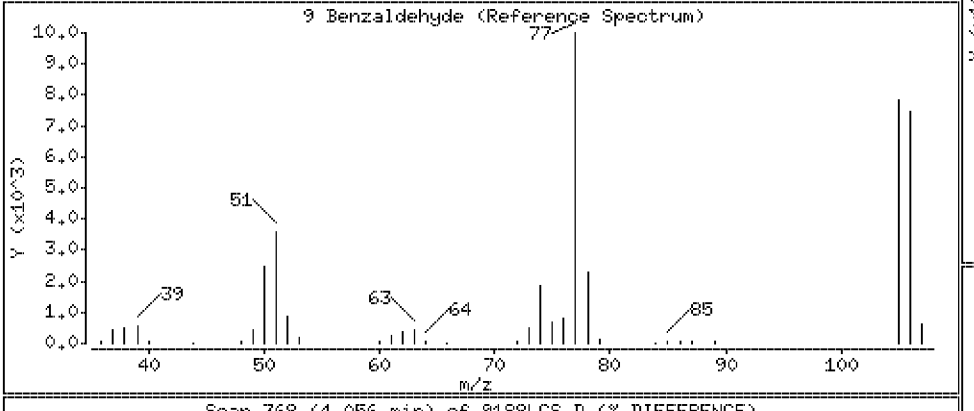
Concentration: 1460 ug/kg

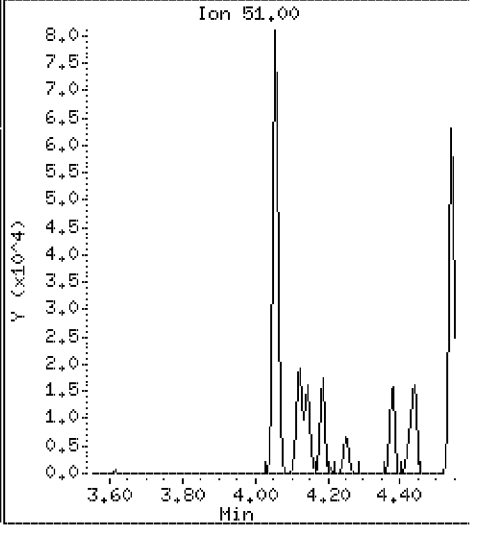


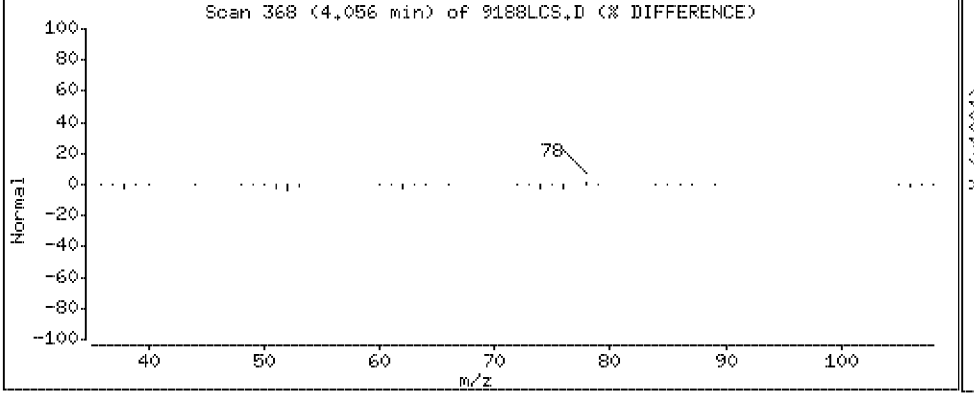












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

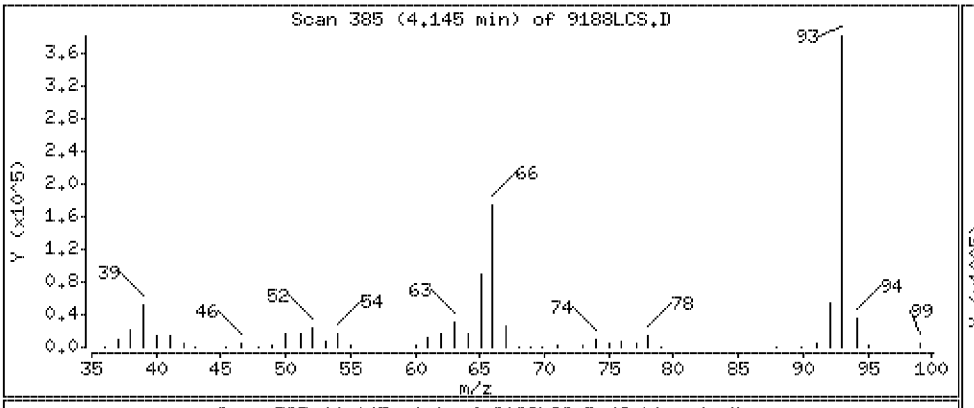
Operator: PEL

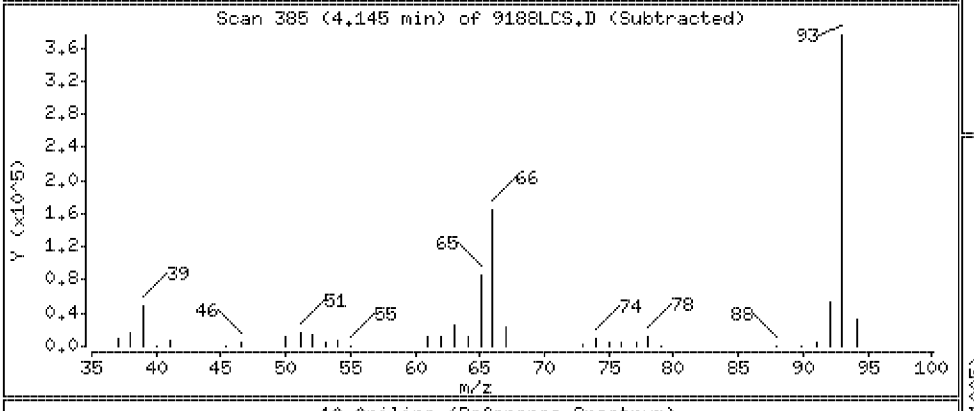
Column phase: HPMS-5

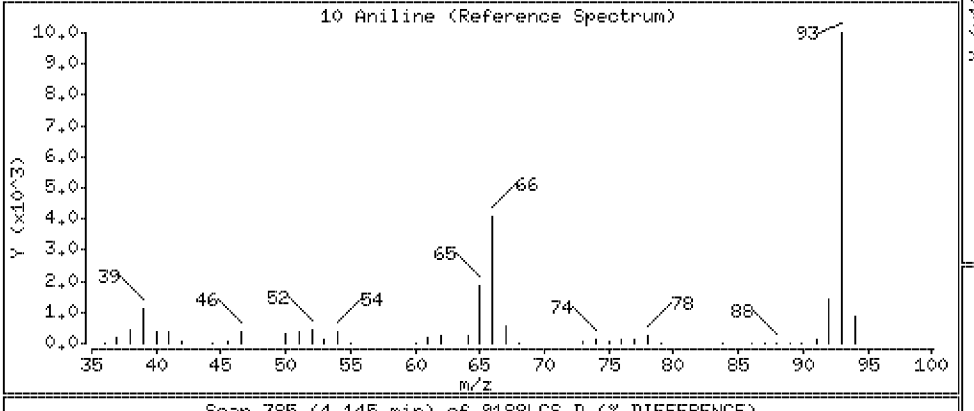
Column diameter: 0.25

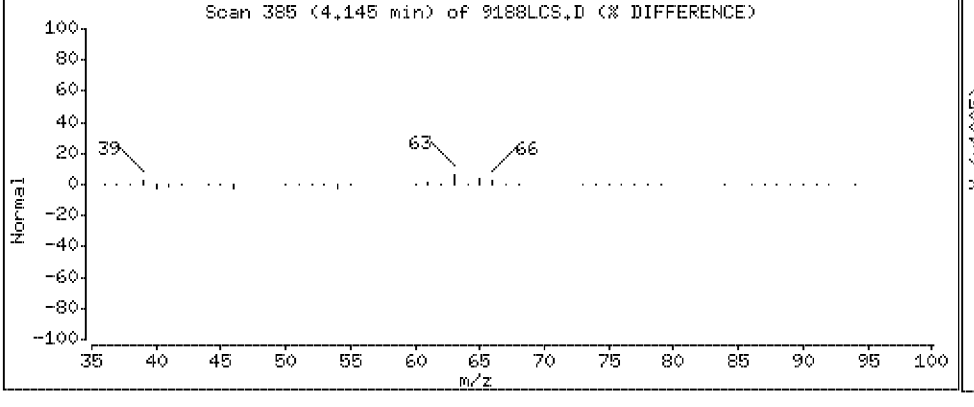
10 Aniline

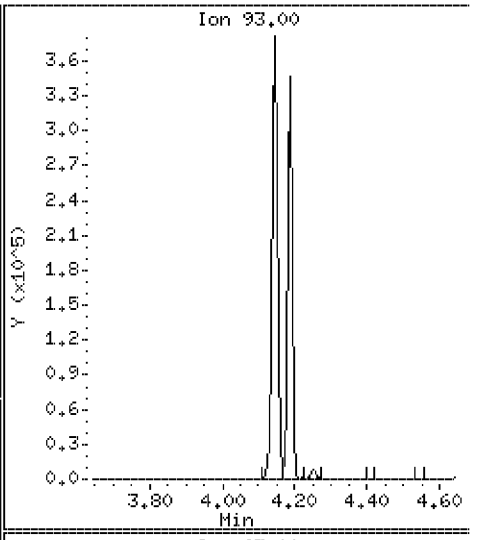
Concentration: 1630 ug/kg

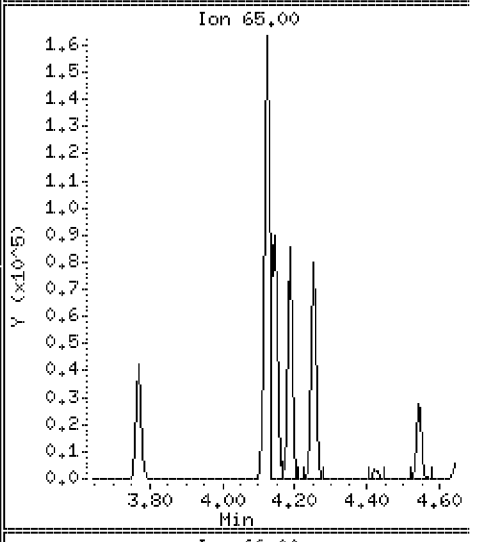


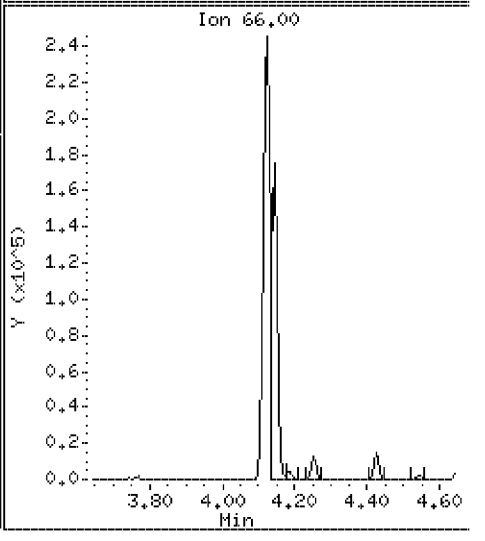












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

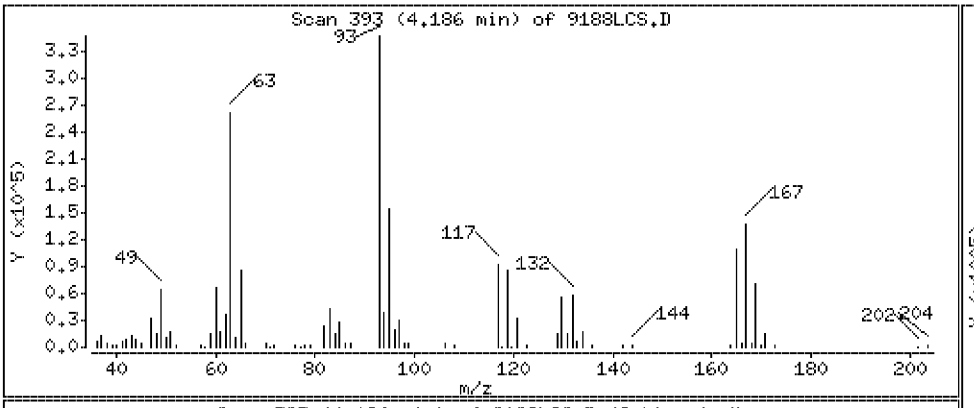
Operator: PEL

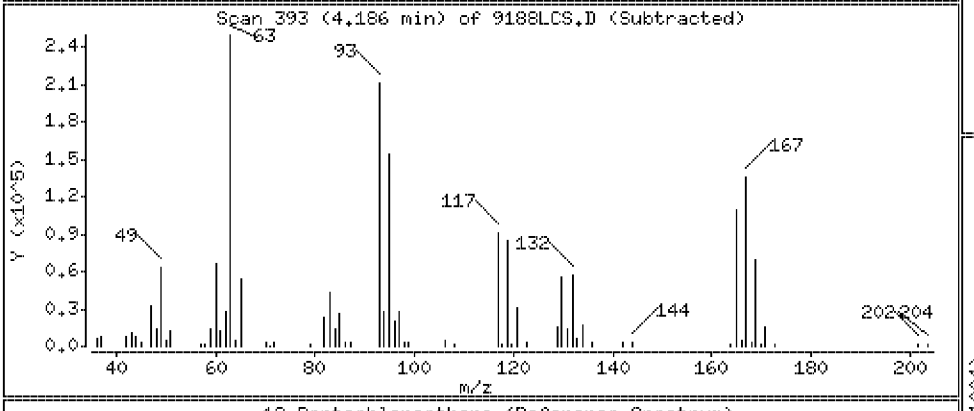
Column phase: HPMS-5

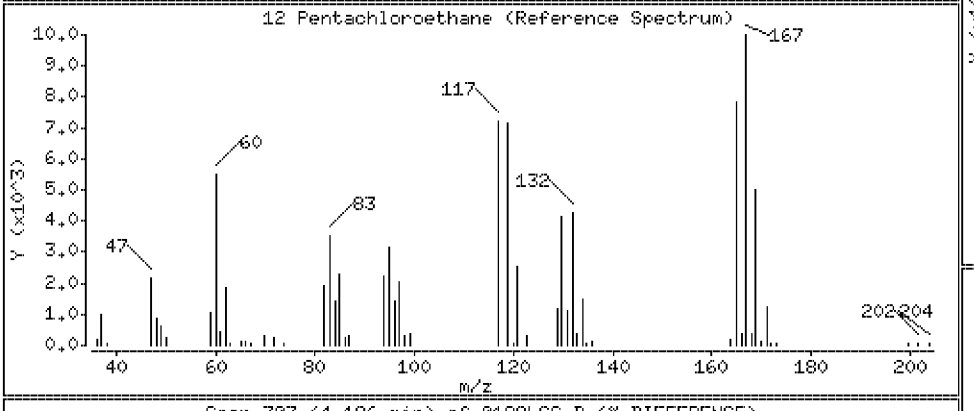
Column diameter: 0.25

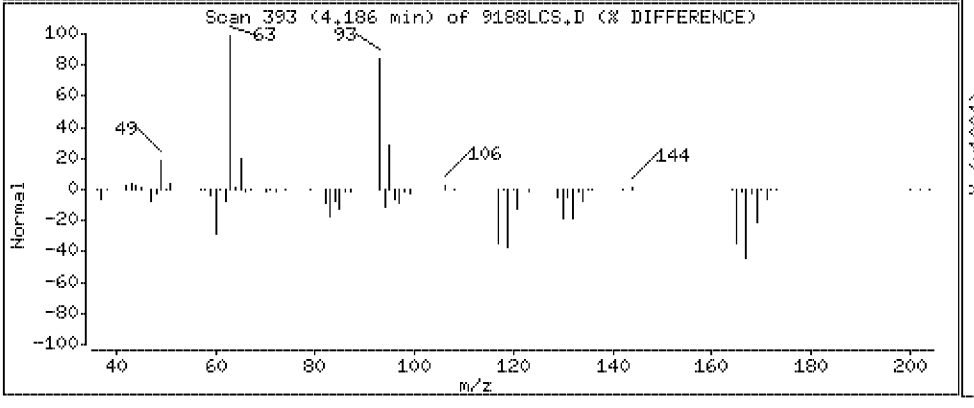
12 Pentachloroethane

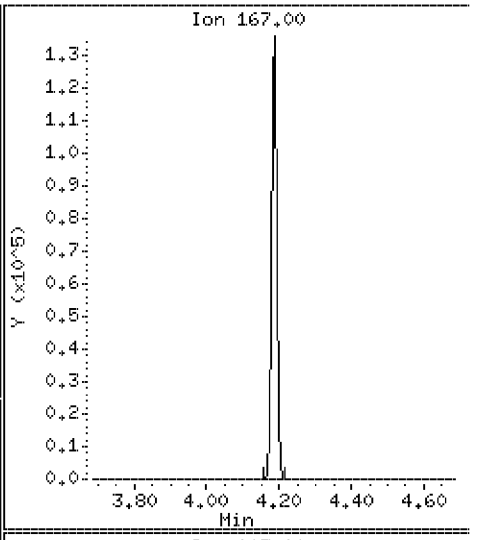
Concentration: 1660 ug/kg

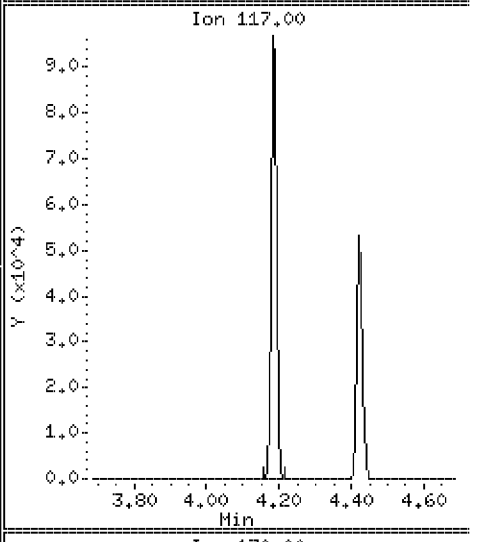


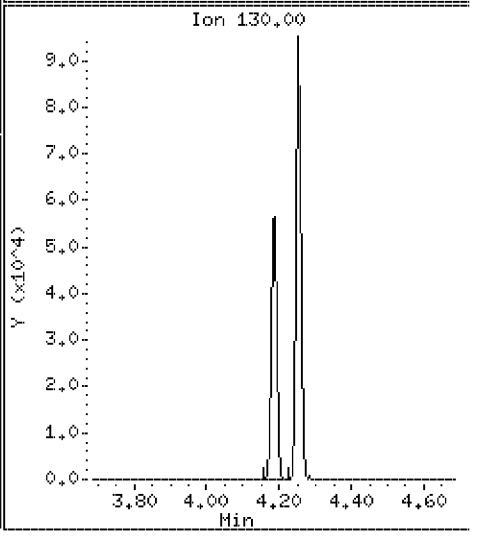












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

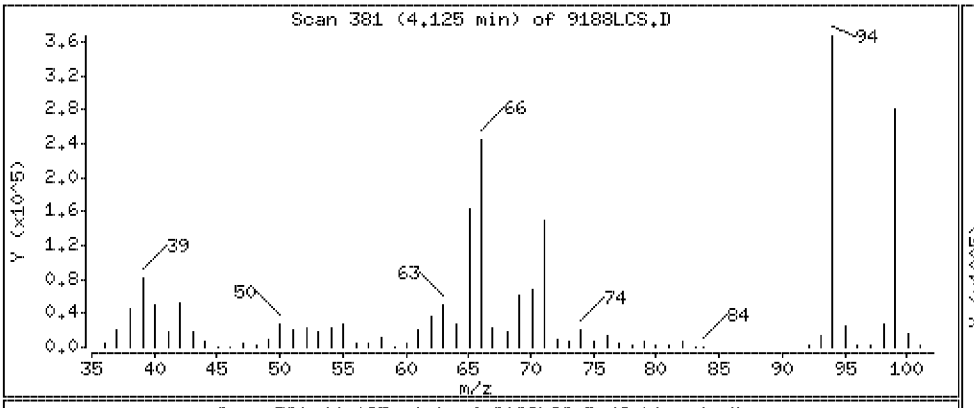
Operator: PEL

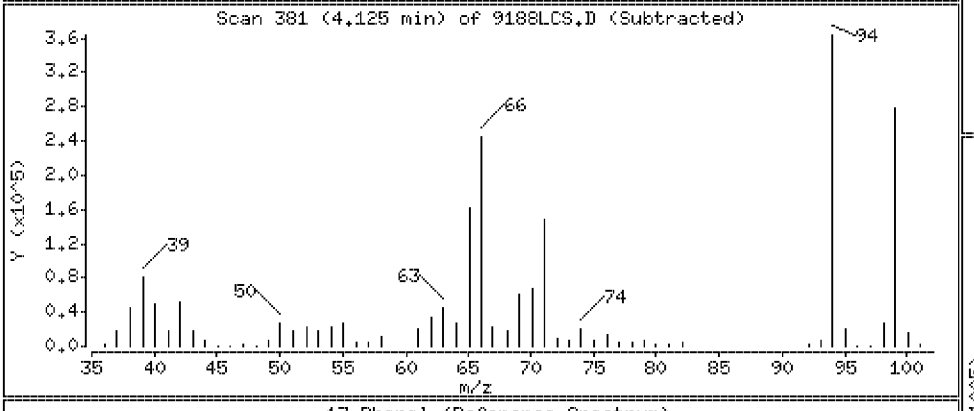
Column phase: HPMS-5

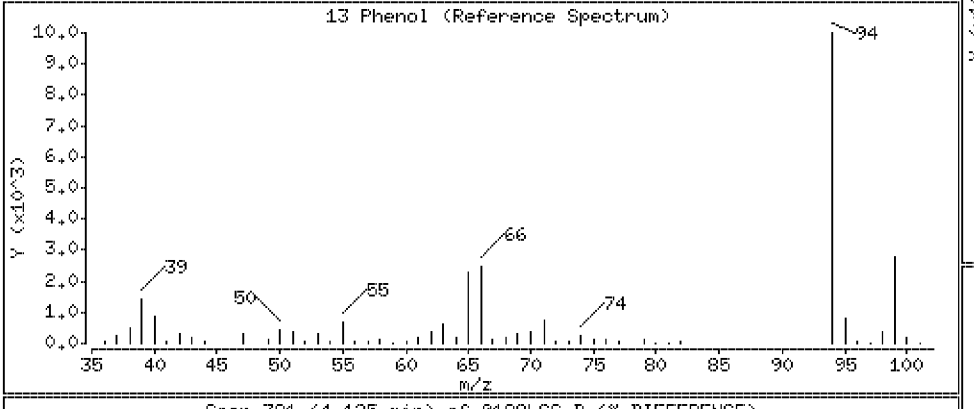
Column diameter: 0.25

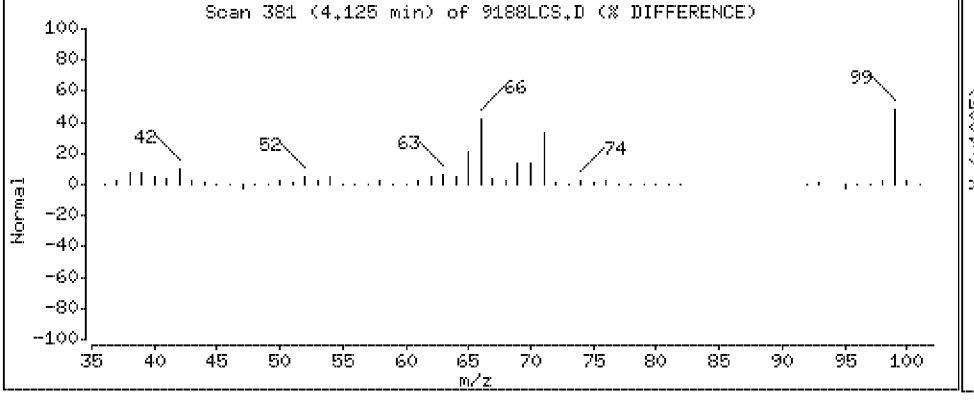
13 Phenol

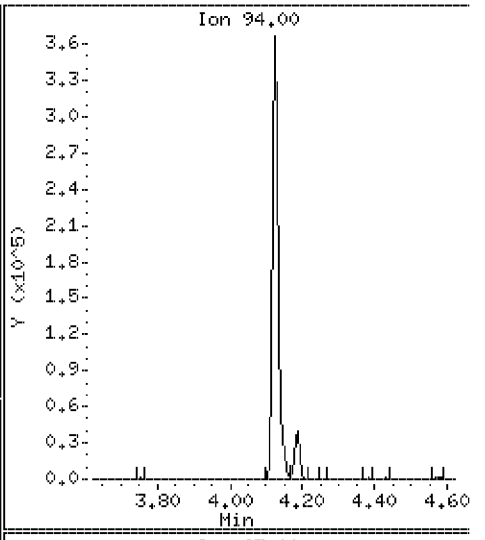
Concentration: 1750 ug/kg

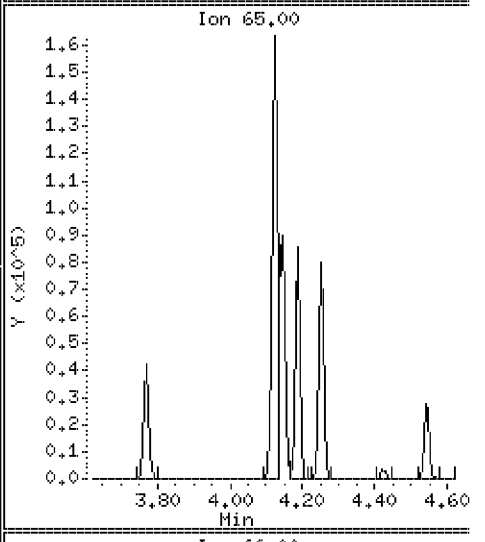


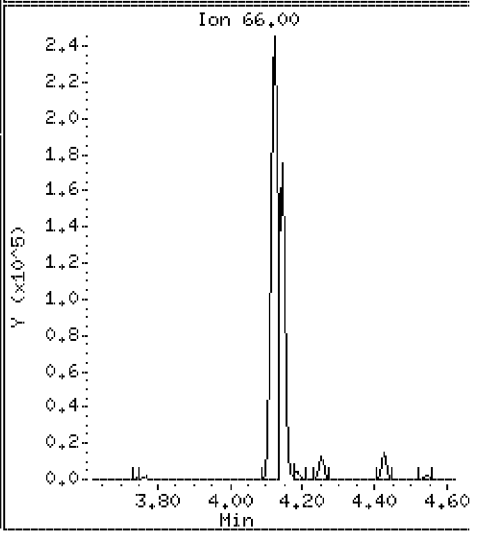












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

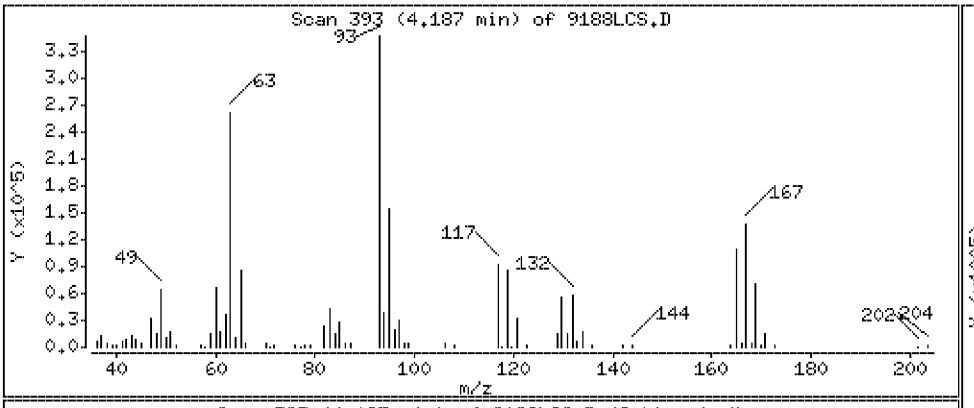
Operator: PEL

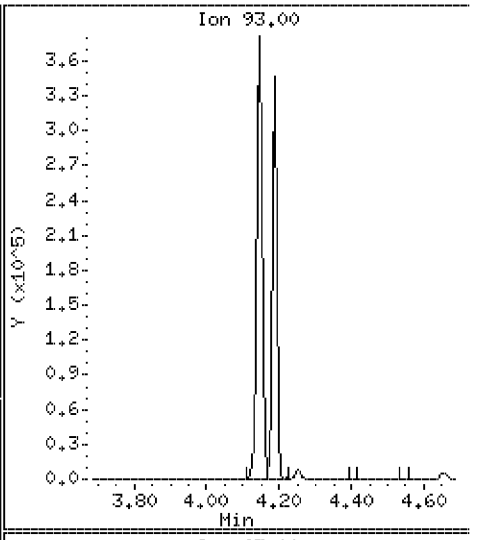
Column phase: HPMS-5

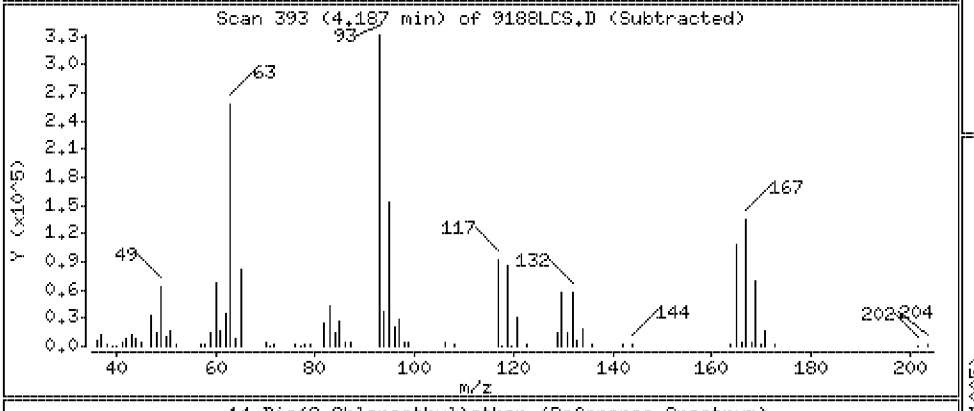
Column diameter: 0.25

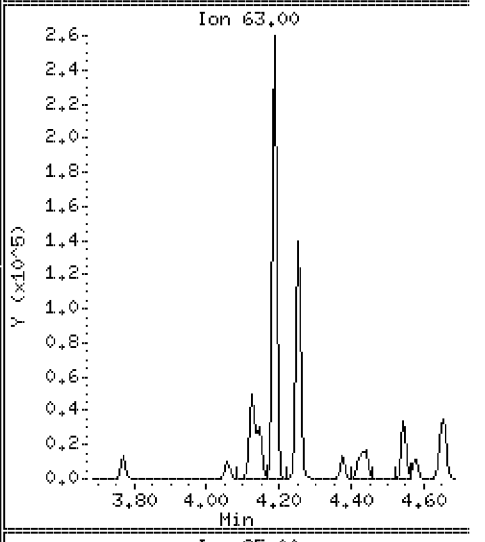
14 Bis(2-Chloroethyl)ether

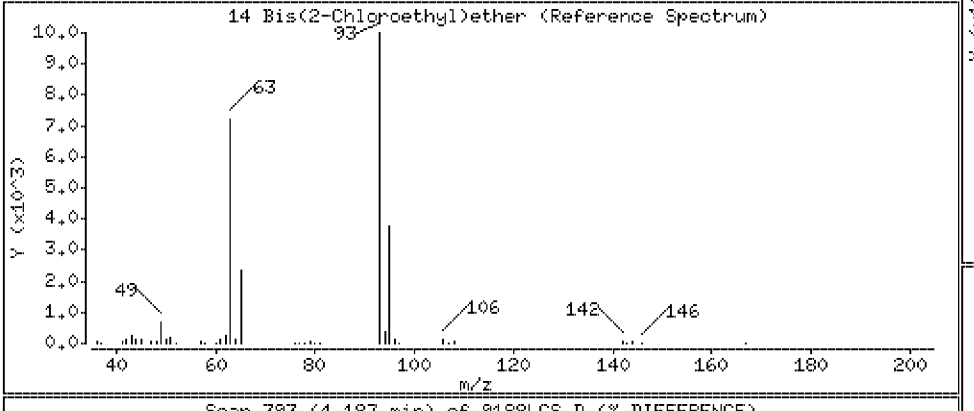
Concentration: 2020 ug/kg

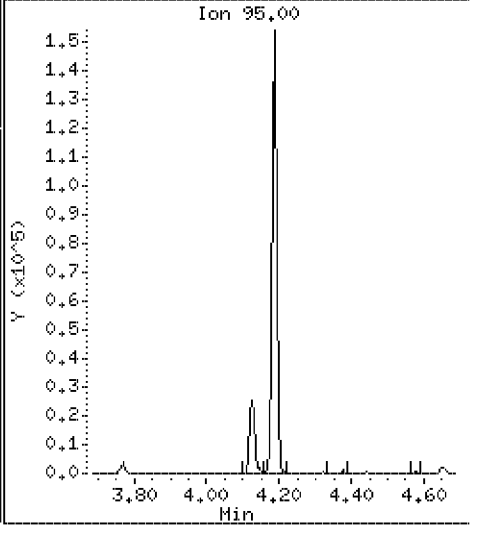


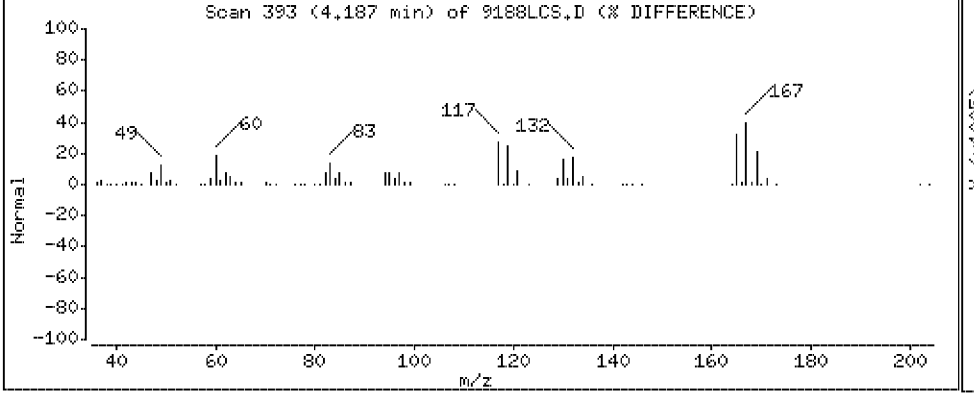












Date : 26-APR-2012 12:43

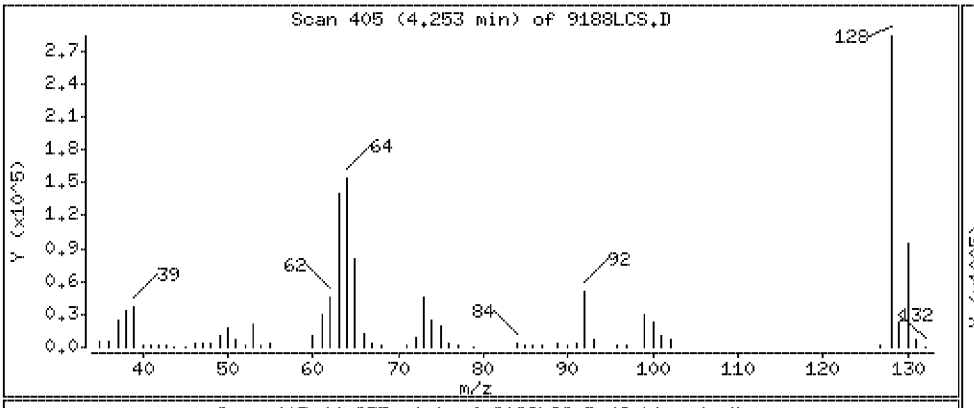
Client ID: 127240LCS Instrument: smsd03.i

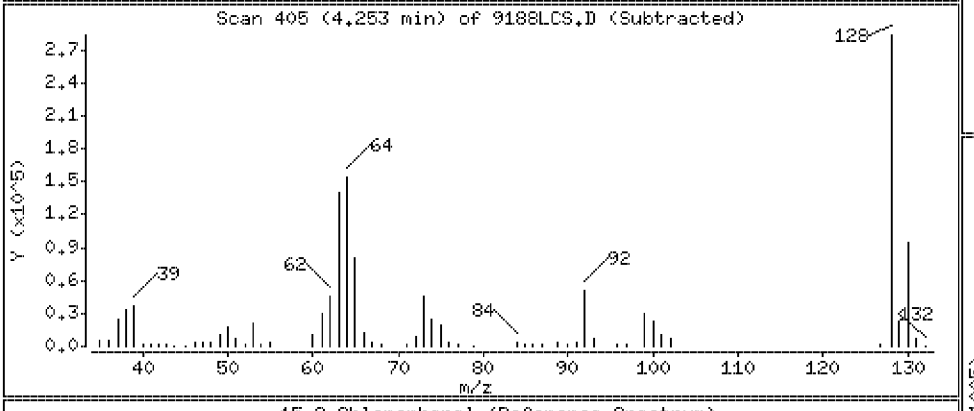
Sample Info: sw127240lcs

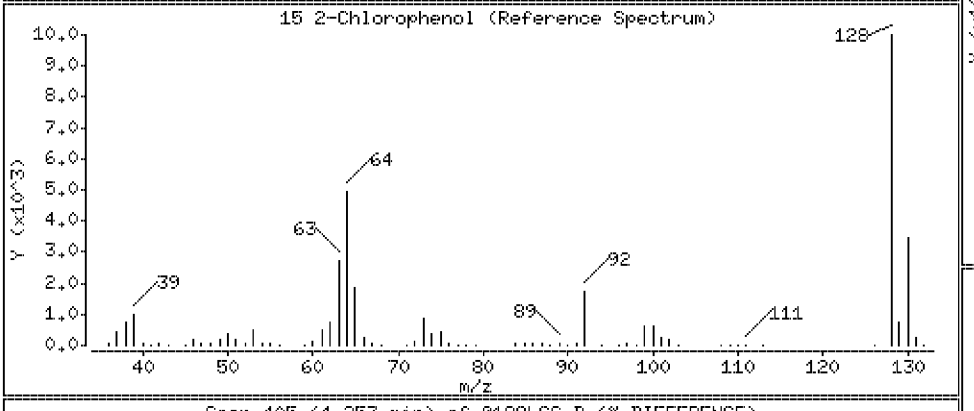
Operator: PEL

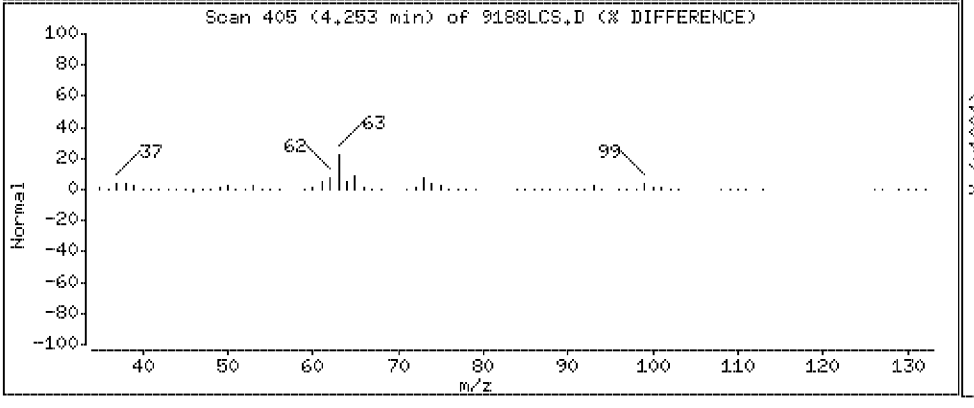
Column phase: HPMS-5 Column diameter: 0.25

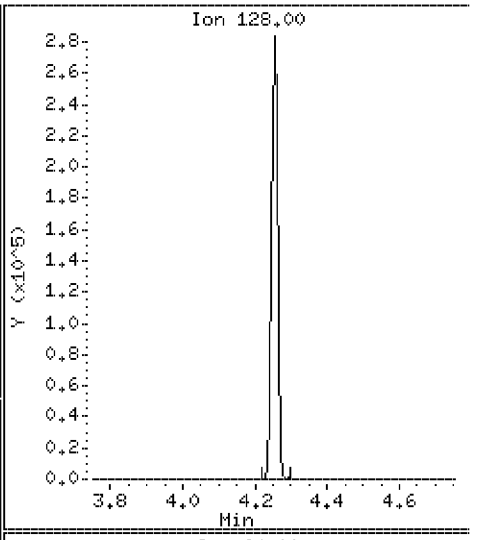
15 2-Chlorophenol Concentration: 1760 ug/kg

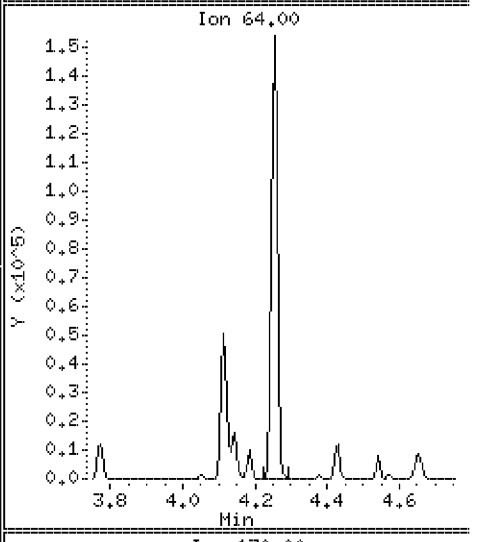


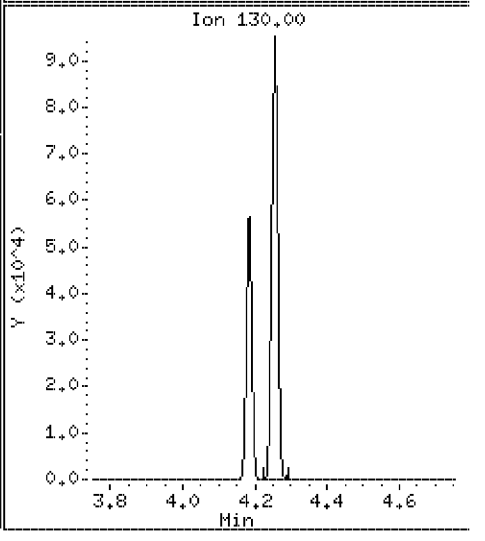












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

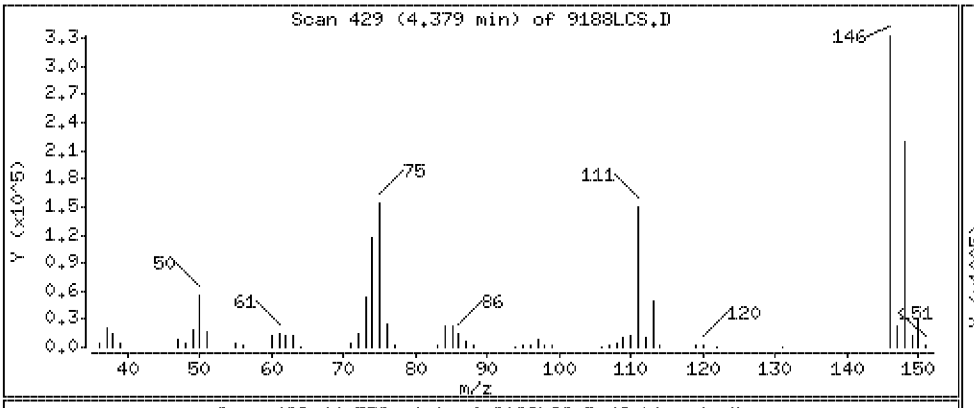
Operator: PEL

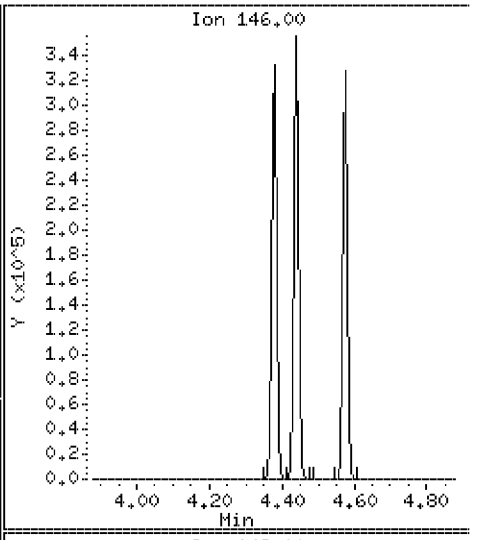
Column phase: HPMS-5

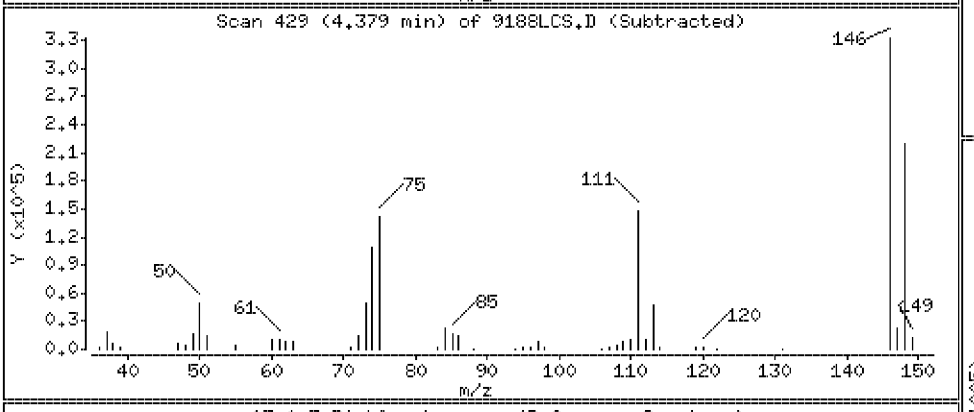
Column diameter: 0.25

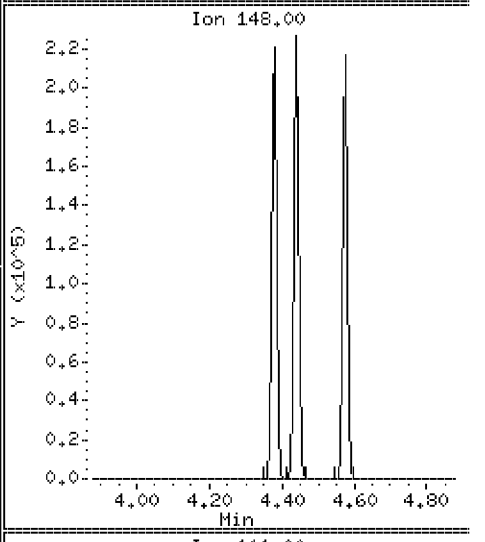
17 1,3-Dichlorobenzene

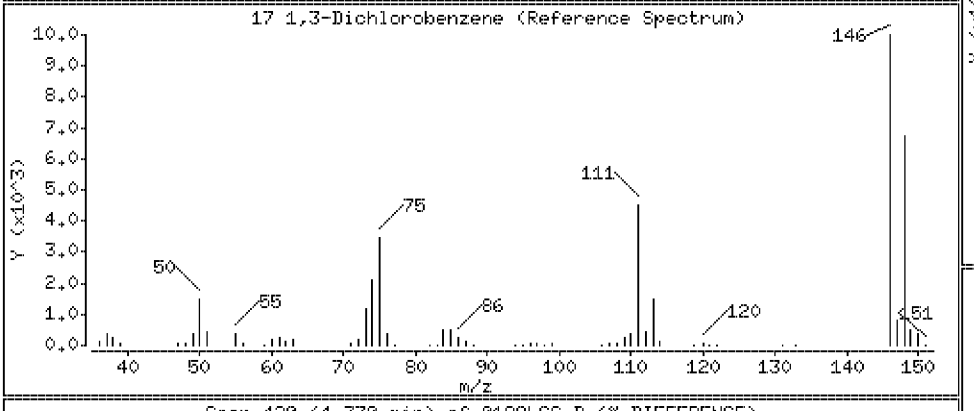
Concentration: 1670 ug/kg

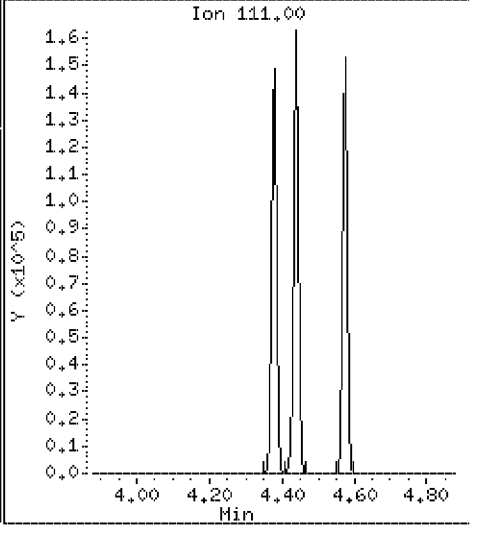


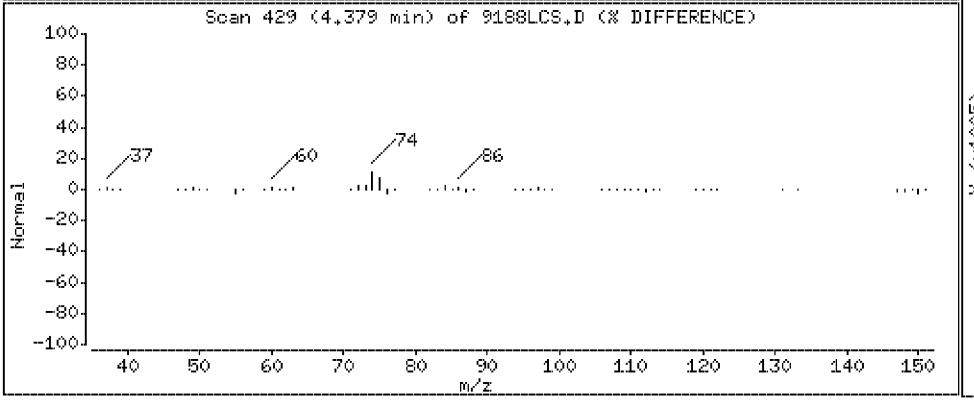












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

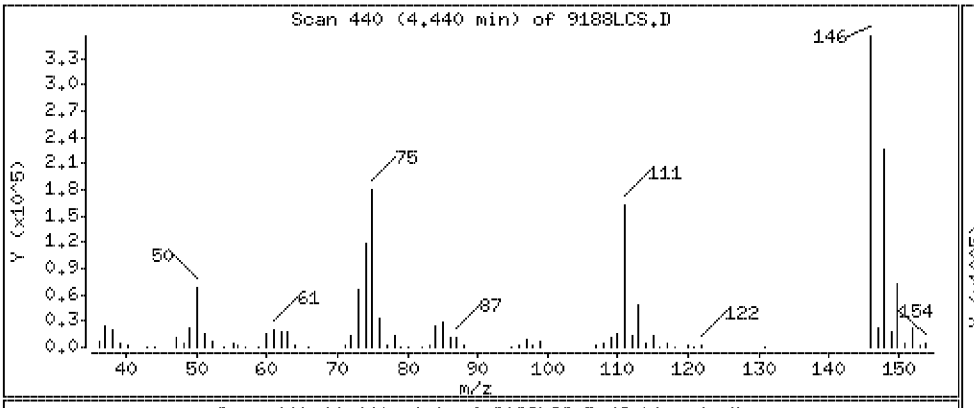
Operator: PEL

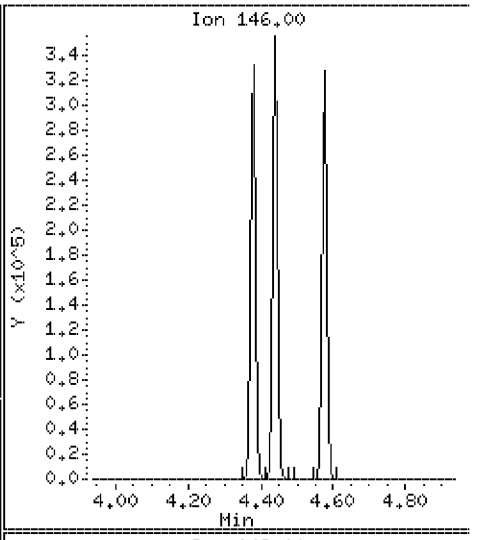
Column phase: HPMS-5

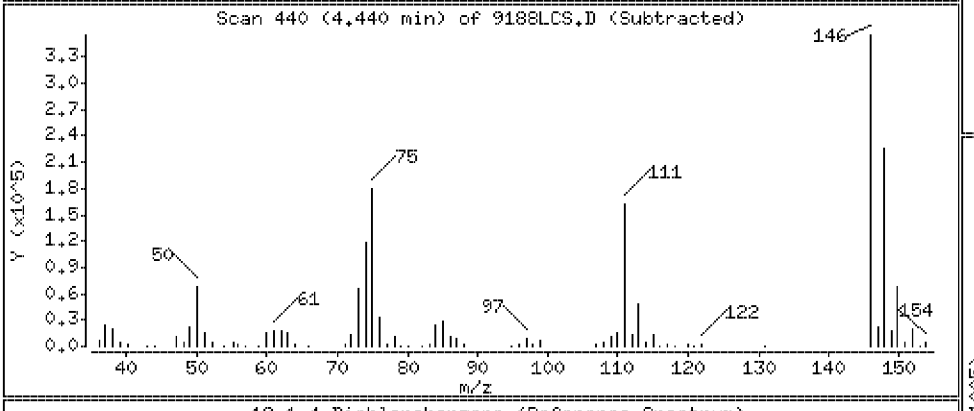
Column diameter: 0.25

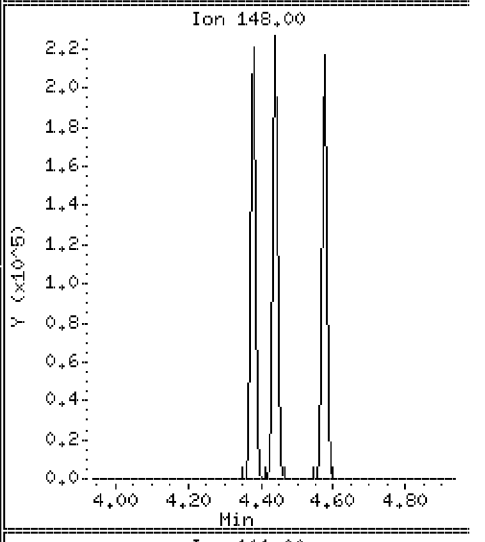
19 1,4-Dichlorobenzene

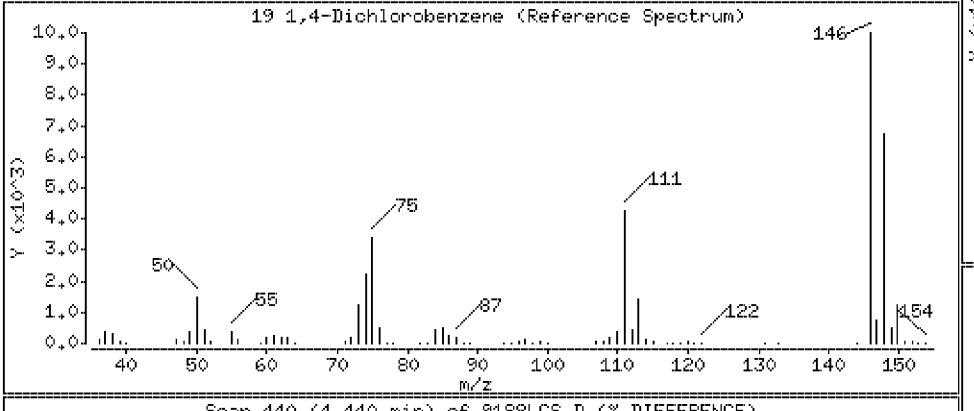
Concentration: 1630 ug/kg

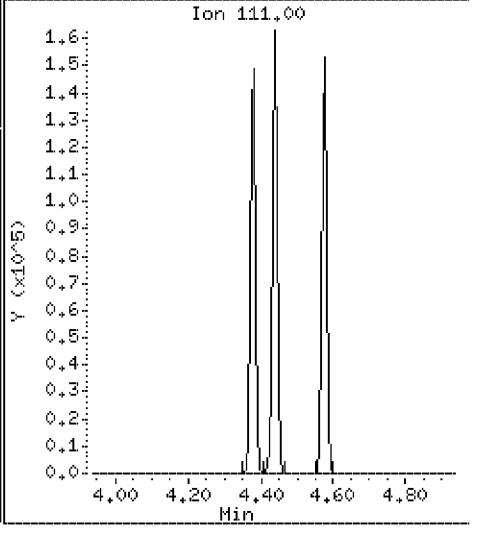


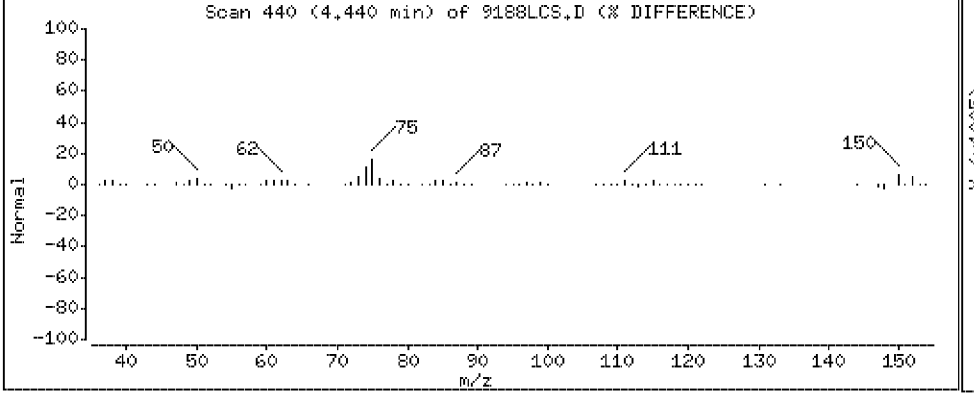












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

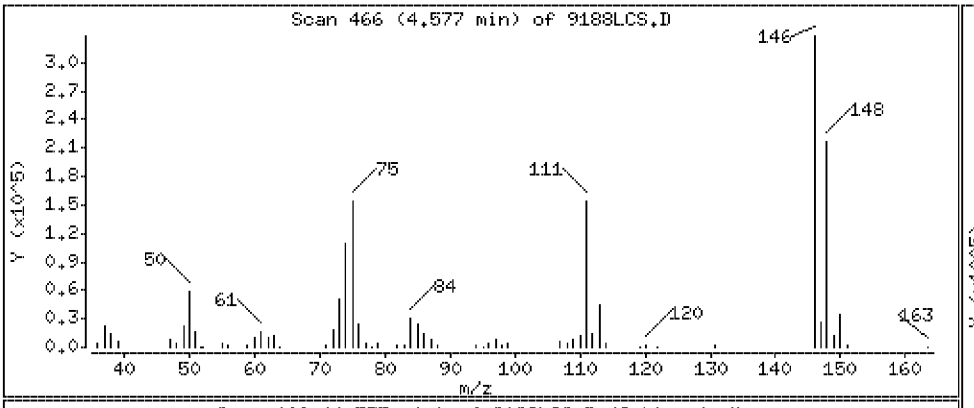
Operator: PEL

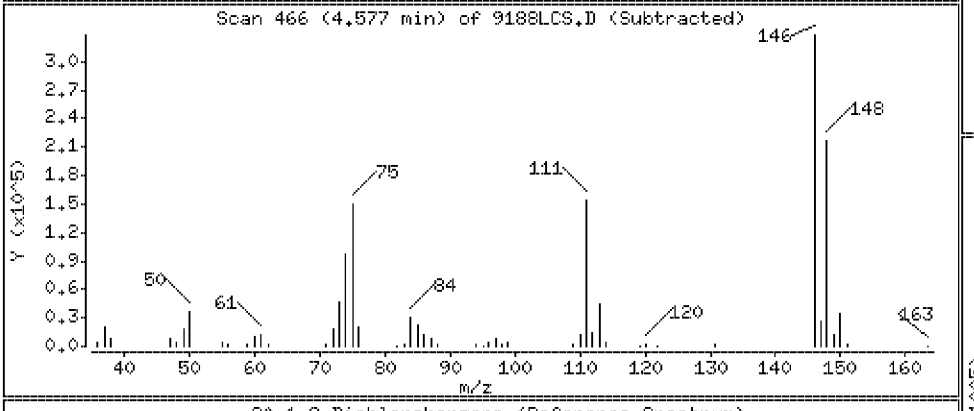
Column phase: HPMS-5

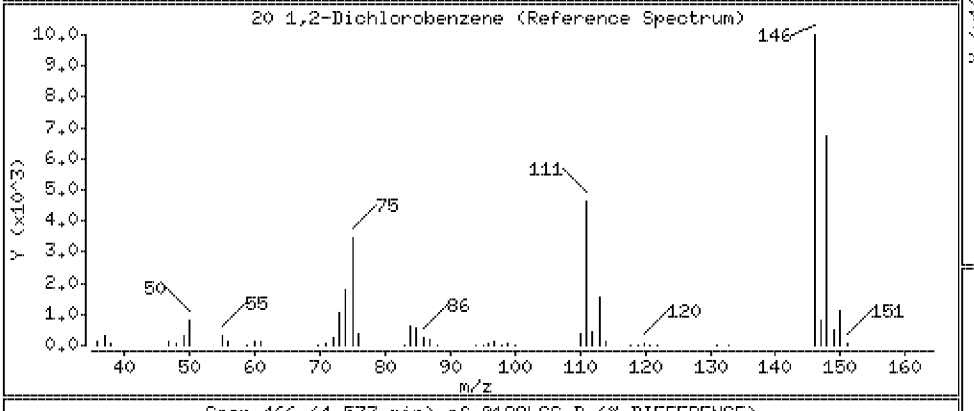
Column diameter: 0.25

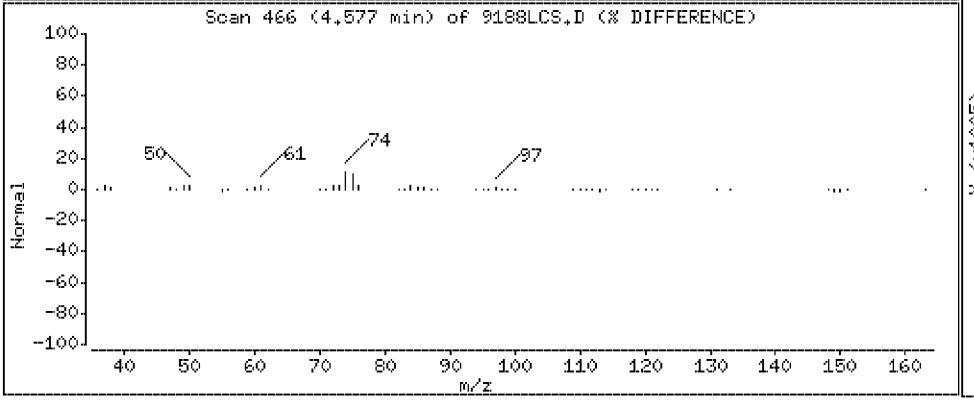
20 1,2-Dichlorobenzene

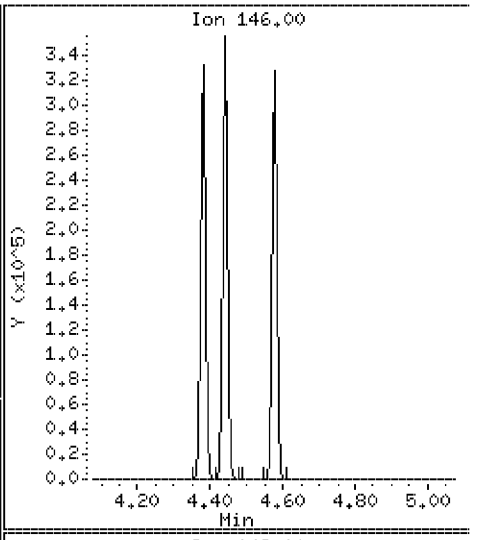
Concentration: 1680 ug/kg

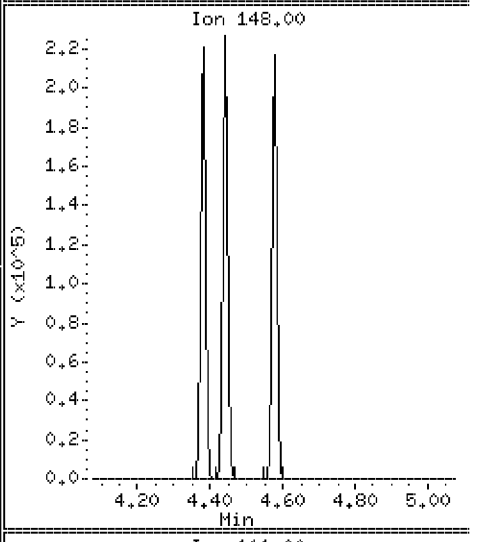


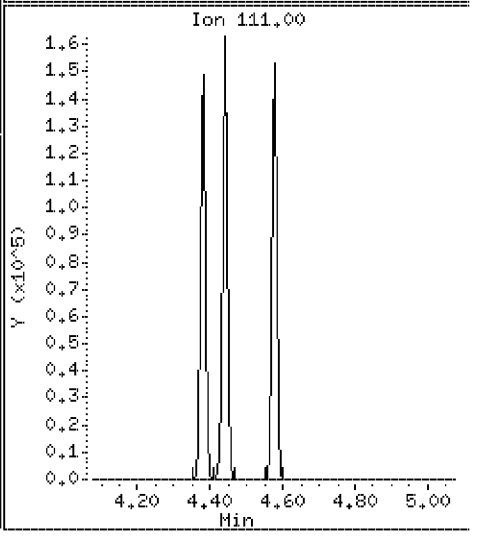












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

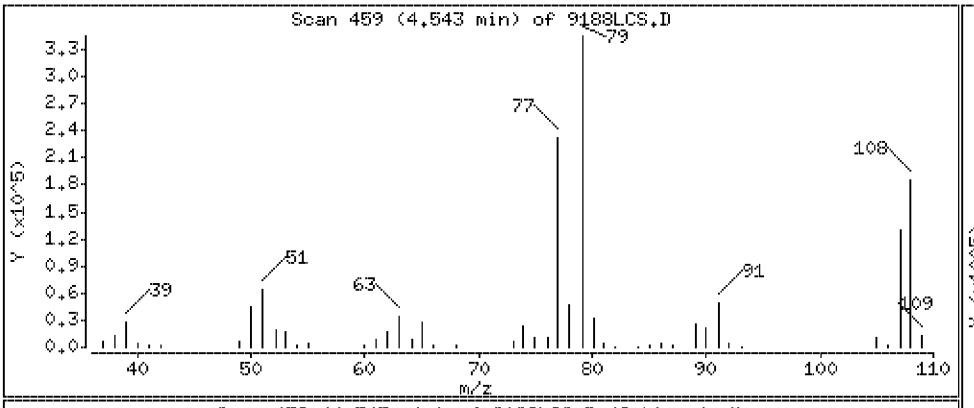
Operator: PEL

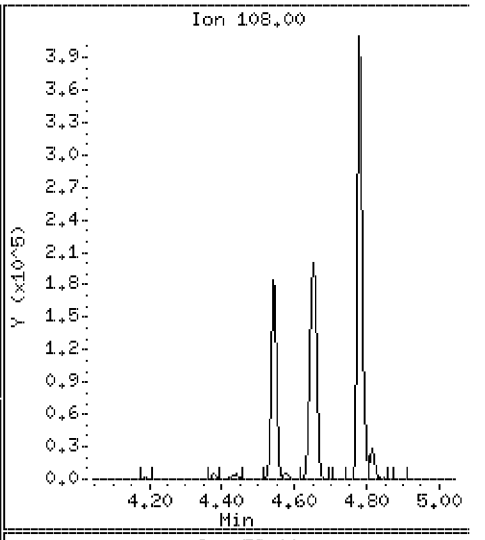
Column phase: HPMS-5

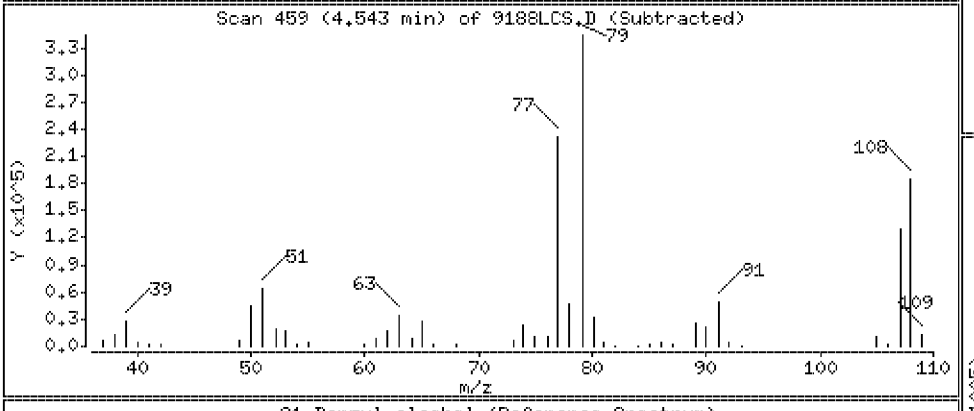
Column diameter: 0.25

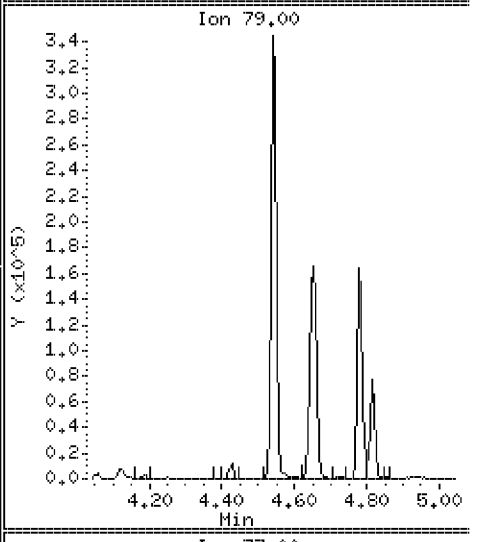
21 Benzyl alcohol

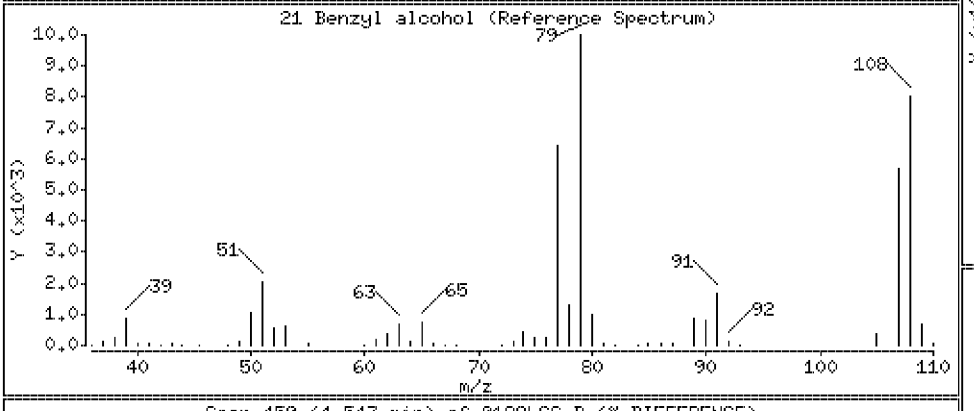
Concentration: 1820 ug/kg

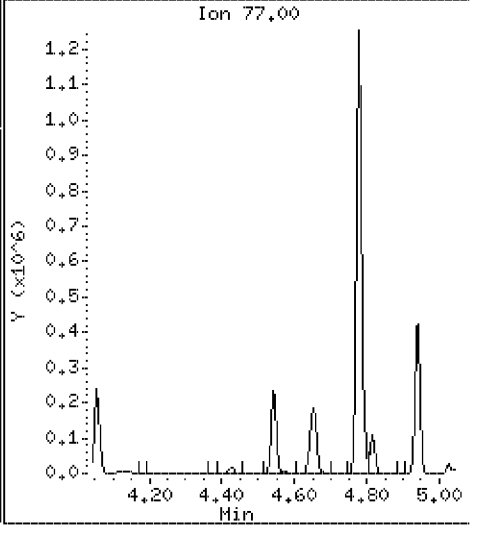


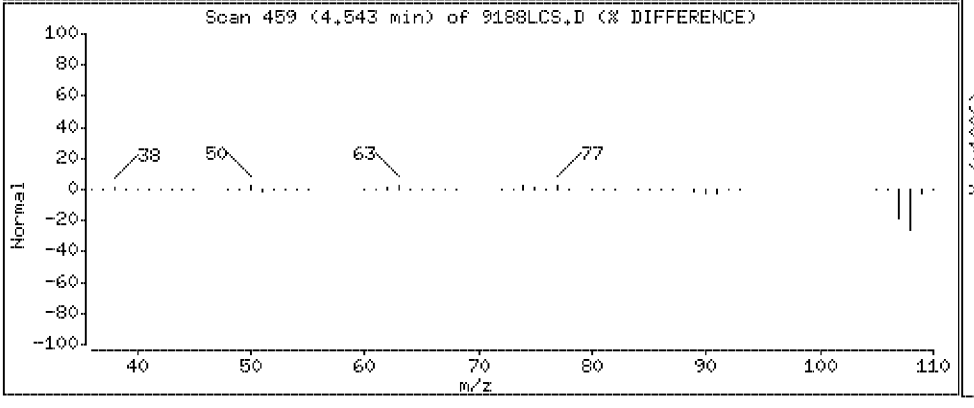












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

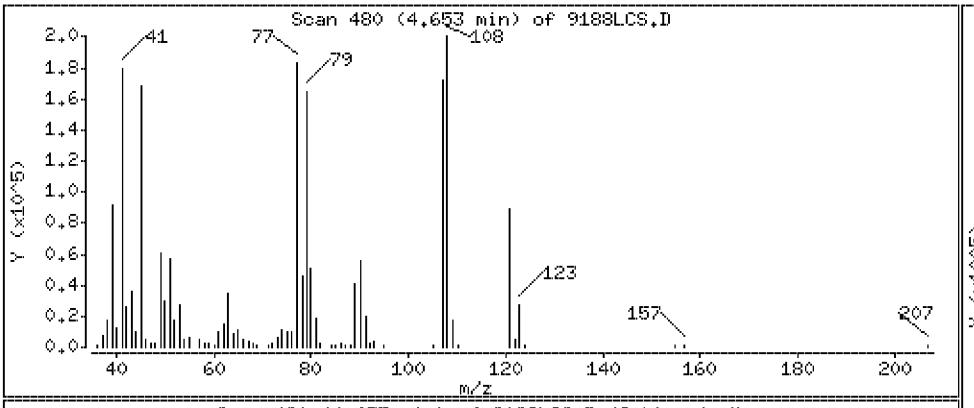
Operator: PEL

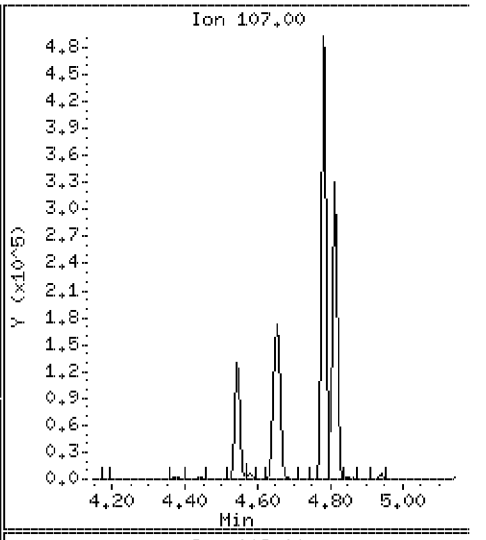
Column phase: HPMS-5

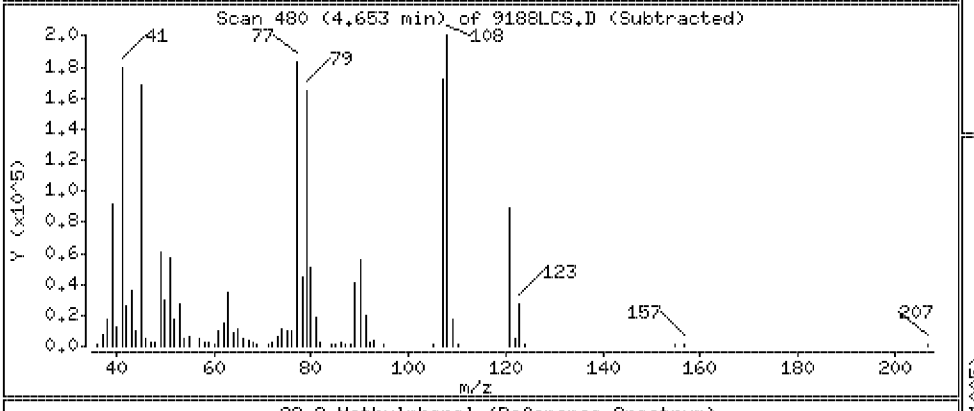
Column diameter: 0.25

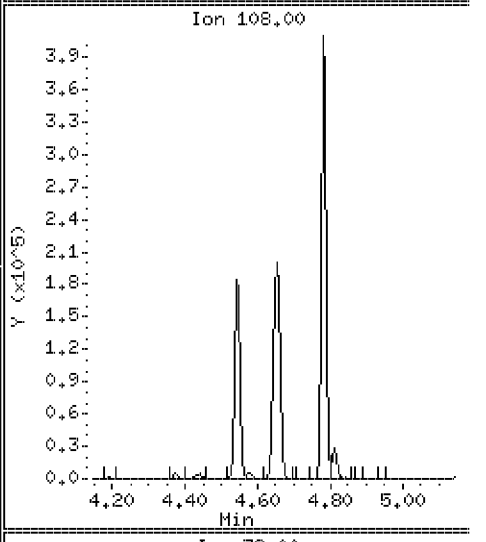
22 2-Methylphenol

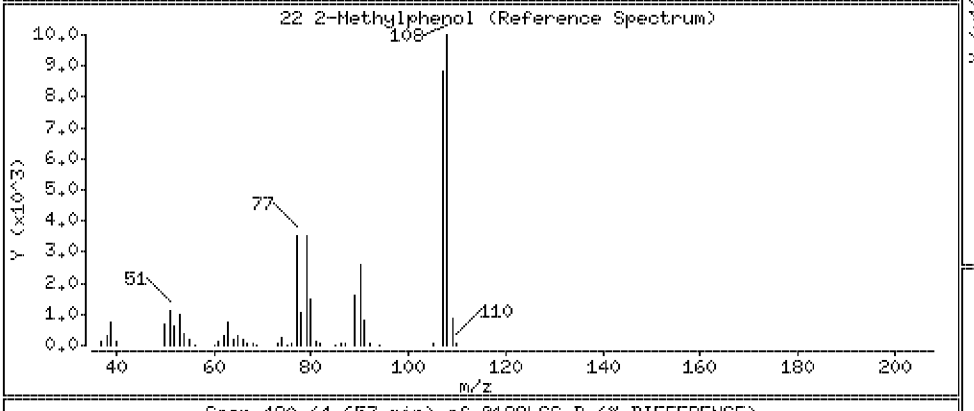
Concentration: 1670 ug/kg

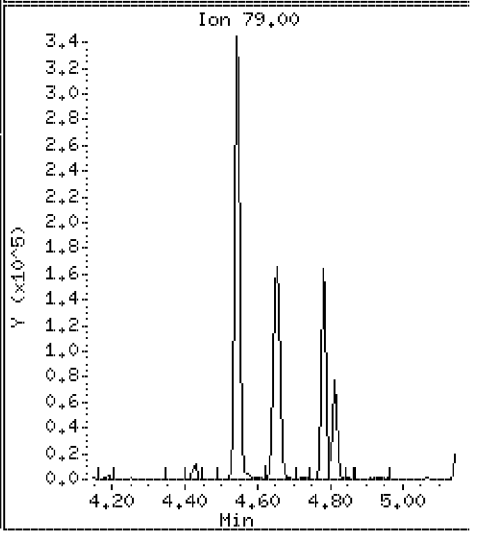


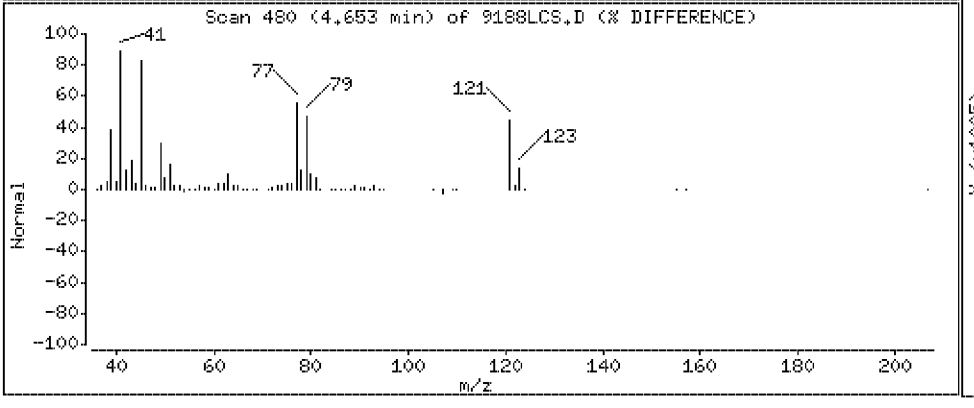












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

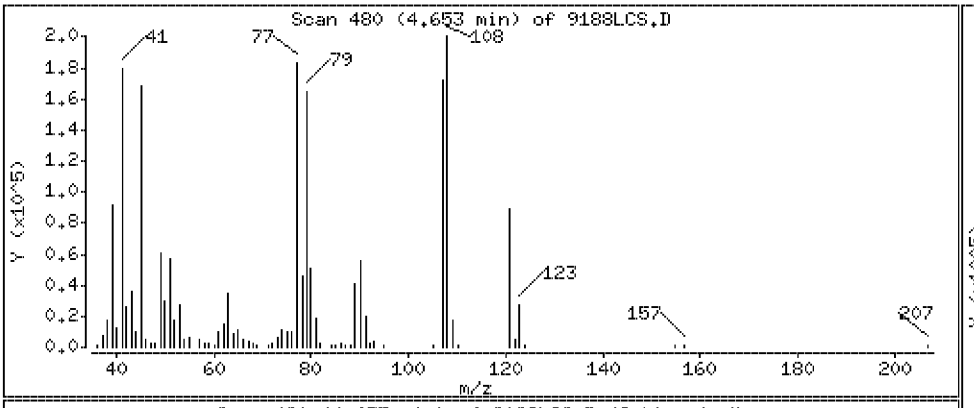
Operator: PEL

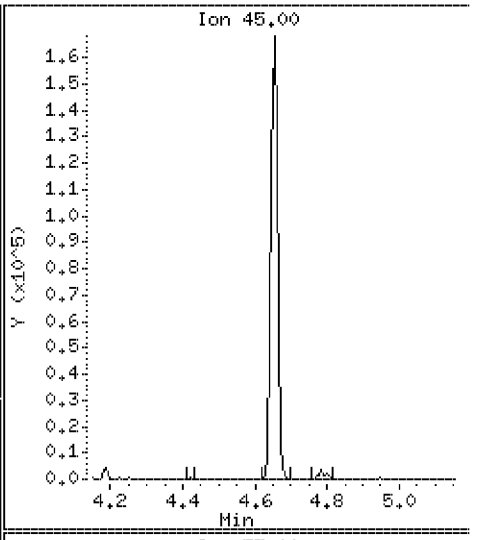
Column phase: HPMS-5

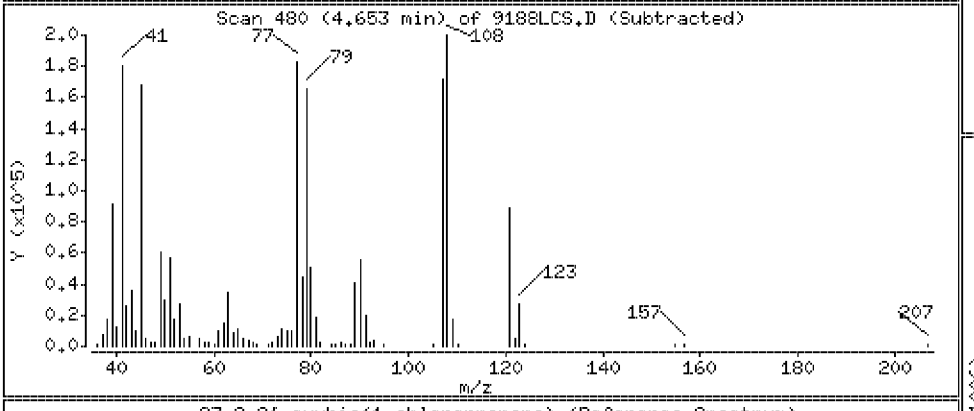
Column diameter: 0.25

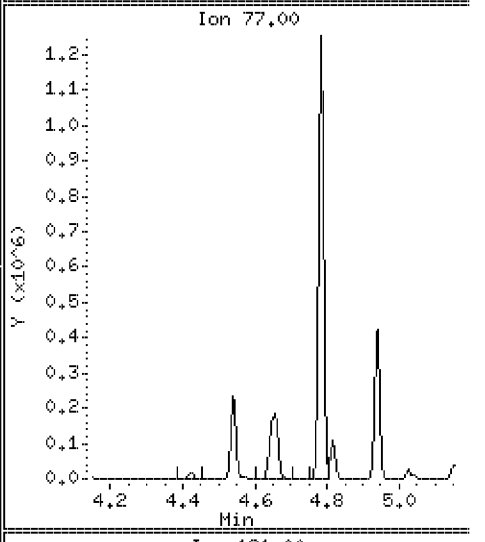
23 2,2'-oxybis(1-chloropropane)

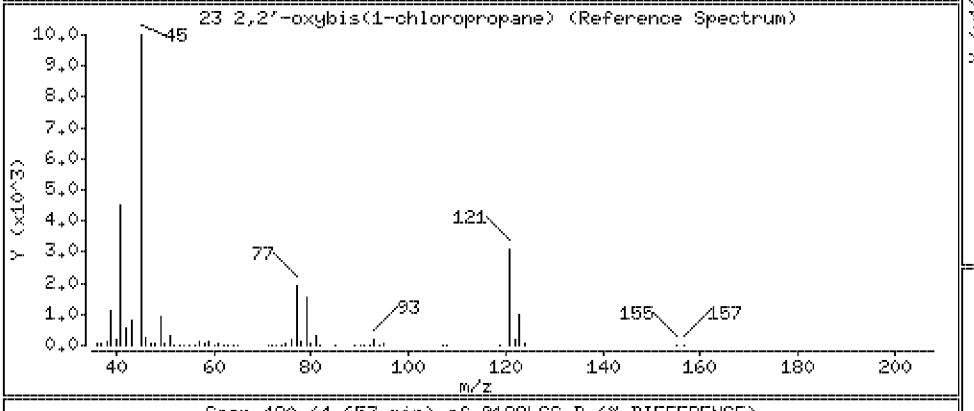
Concentration: 1760 ug/kg

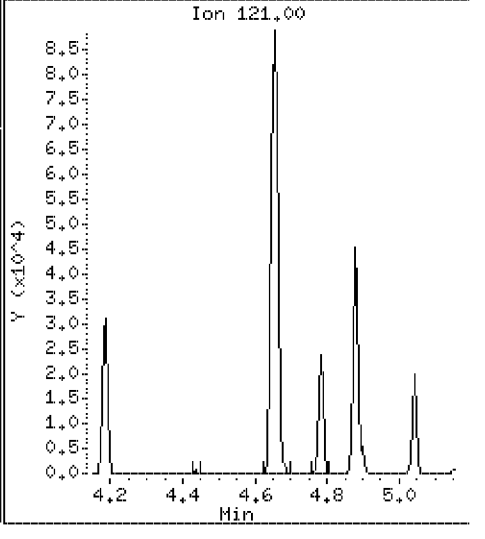


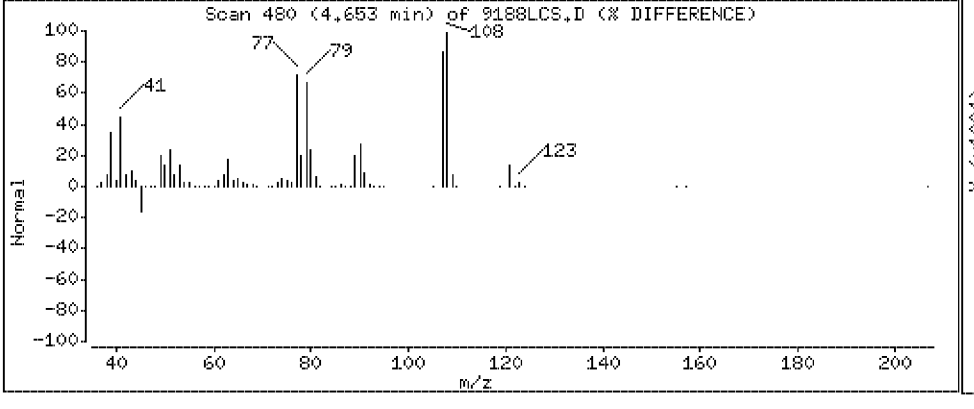












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

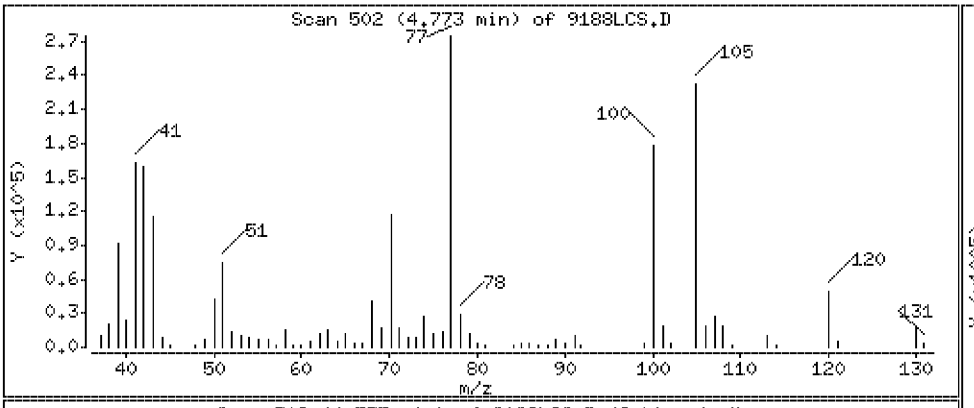
Operator: PEL

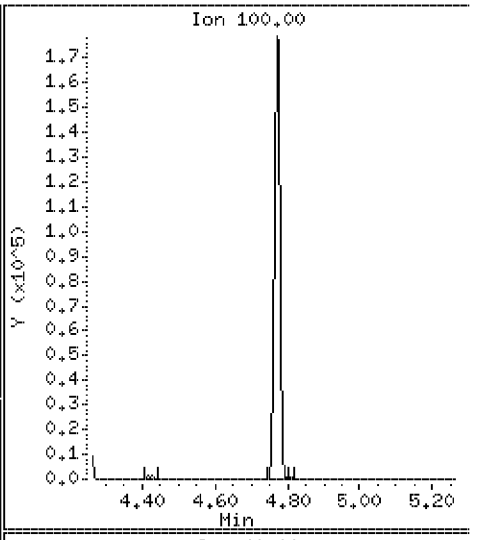
Column phase: HPMS-5

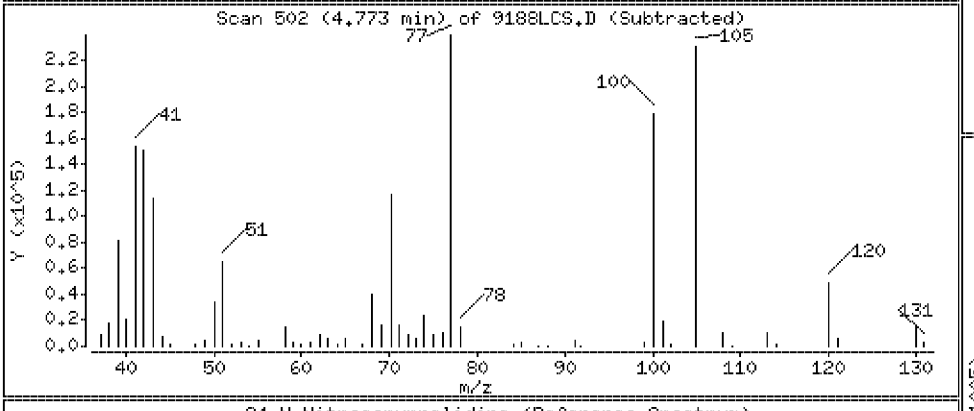
Column diameter: 0.25

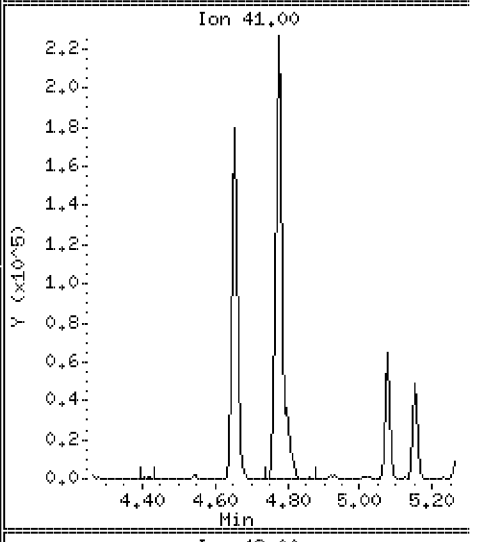
24 N-Nitrosopyrrolidine

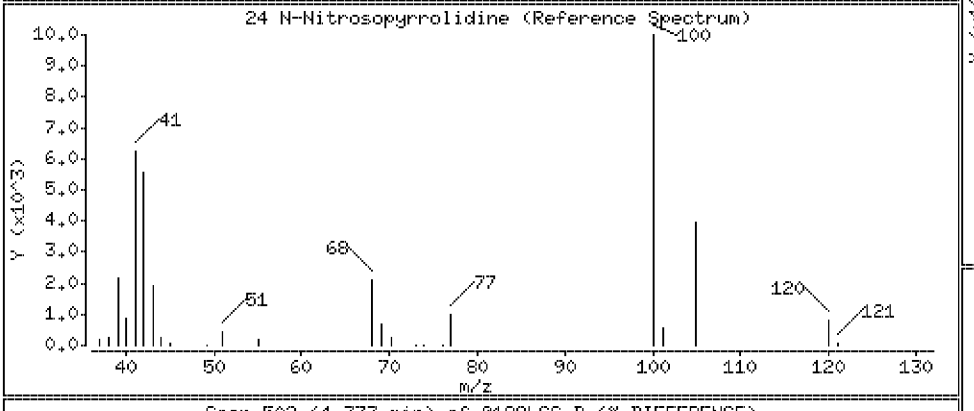
Concentration: 2230 ug/kg

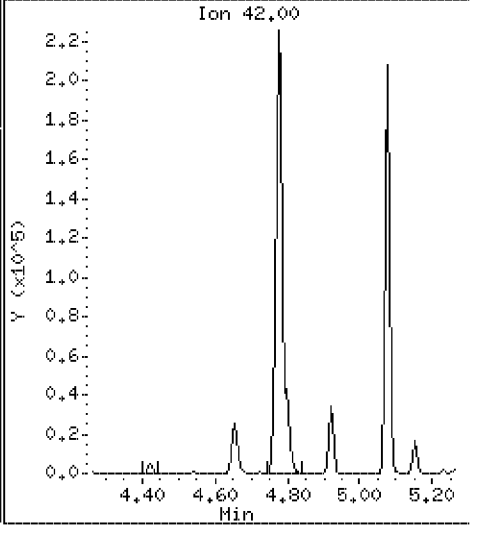


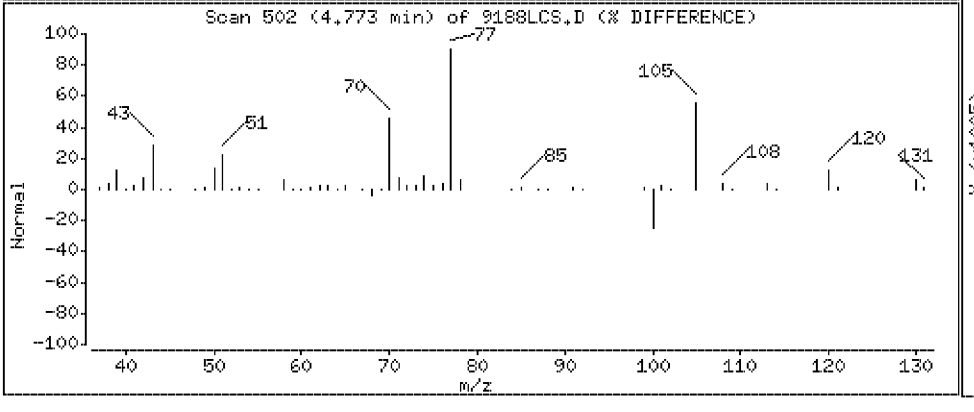












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

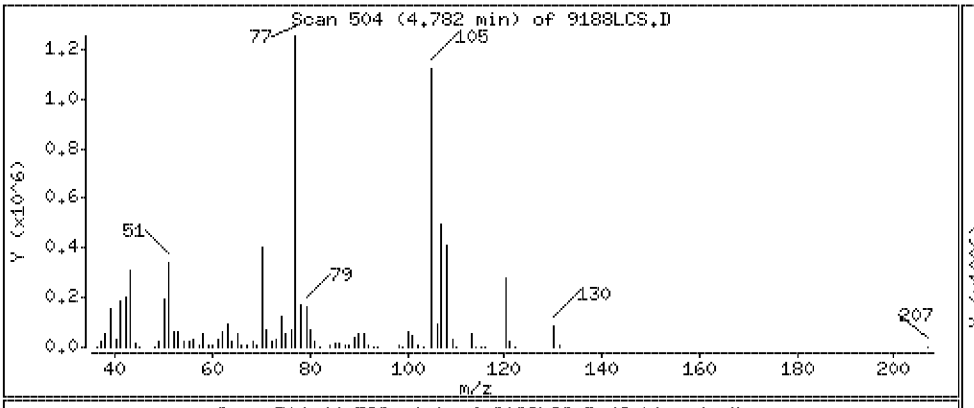
Operator: PEL

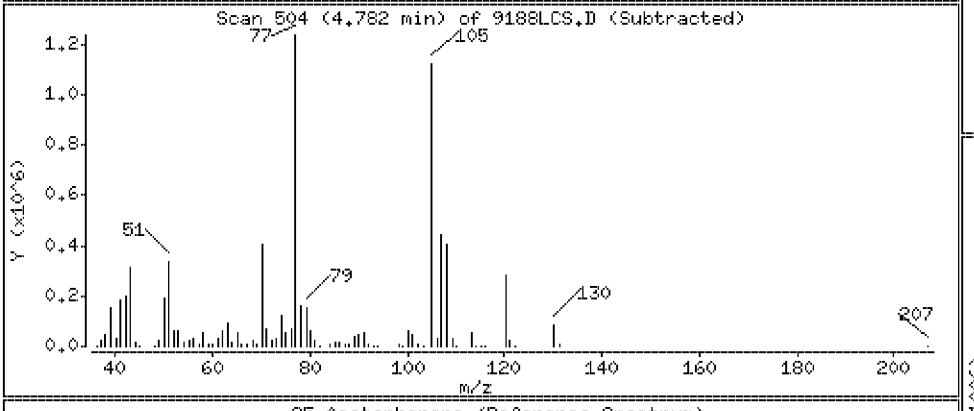
Column phase: HPMS-5

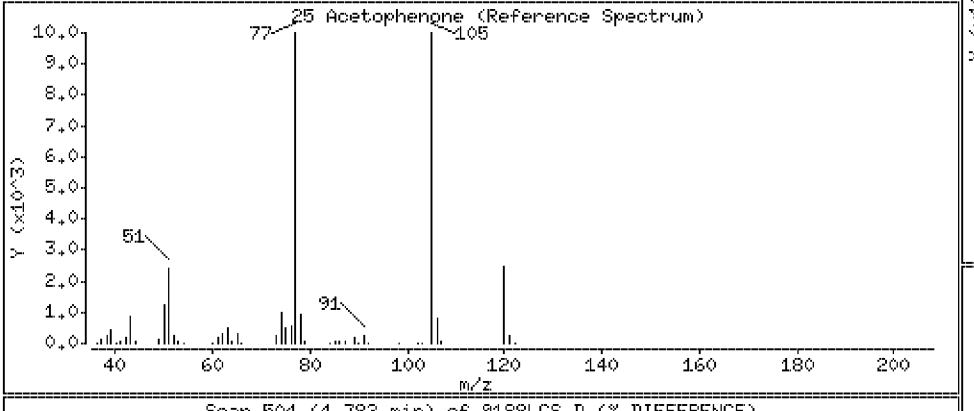
Column diameter: 0.25

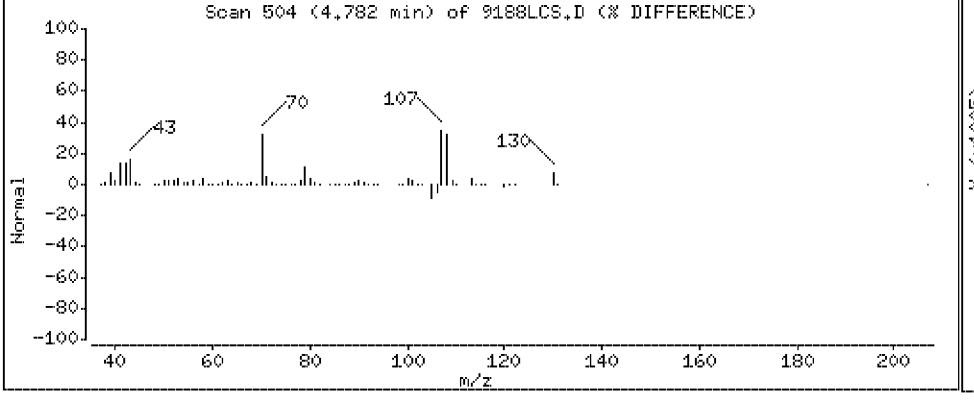
25 Acetophenone

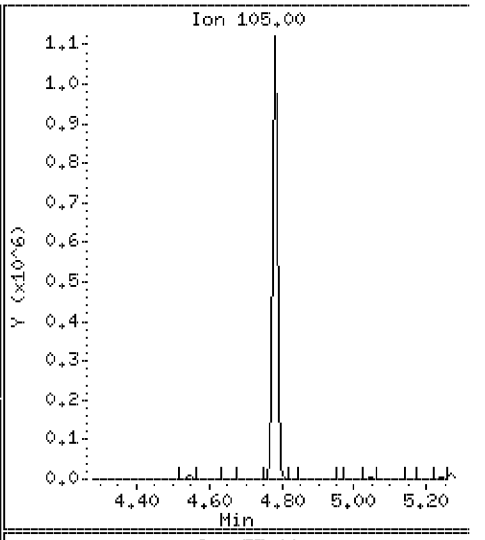
Concentration: 3820 ug/kg

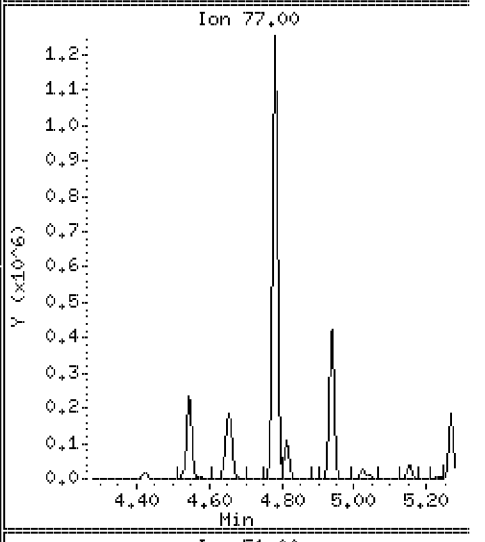


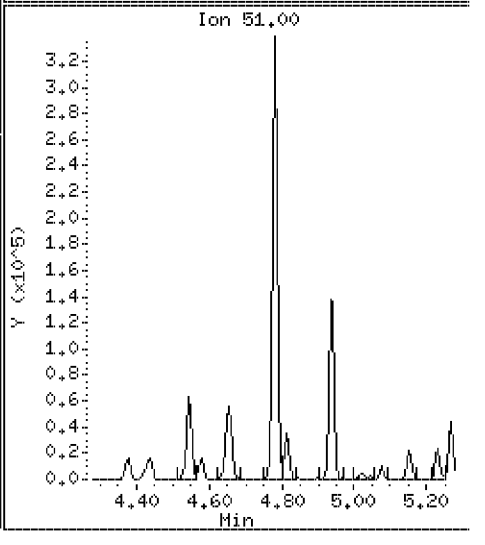












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

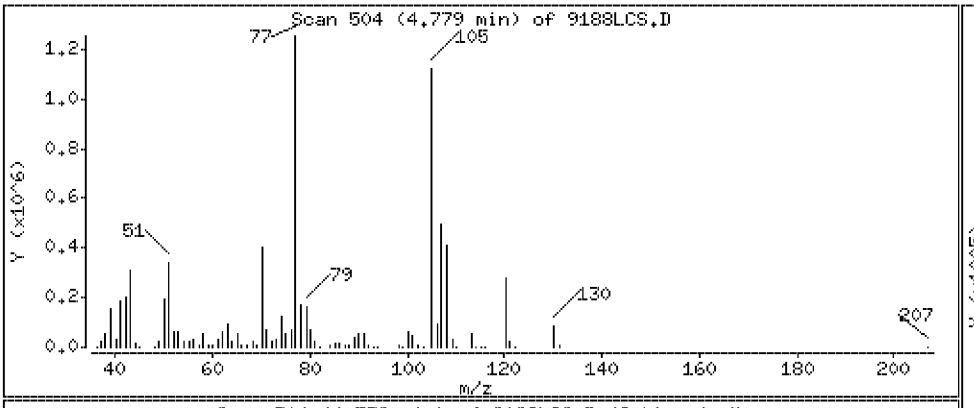
Operator: PEL

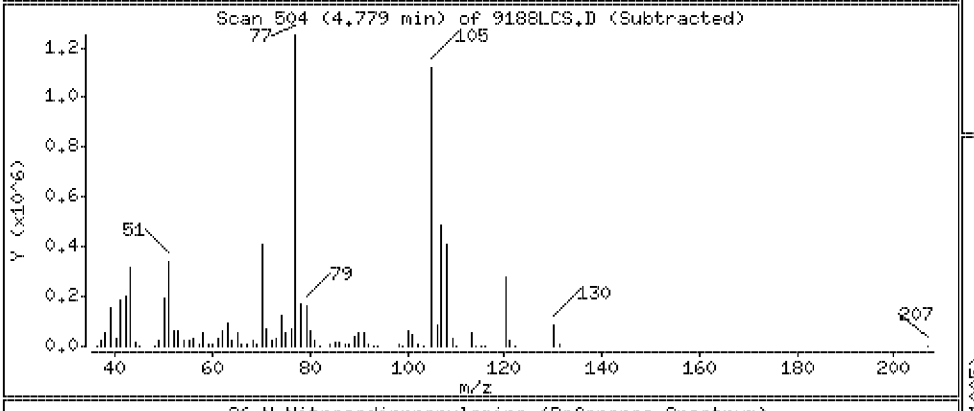
Column phase: HPMS-5

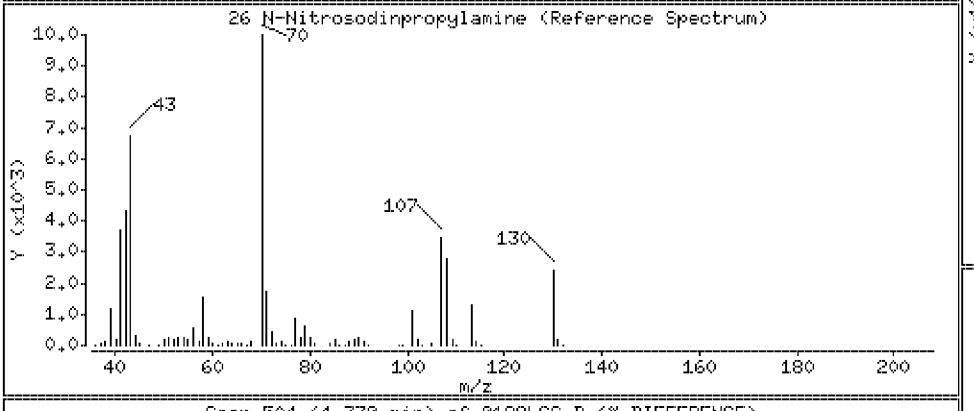
Column diameter: 0.25

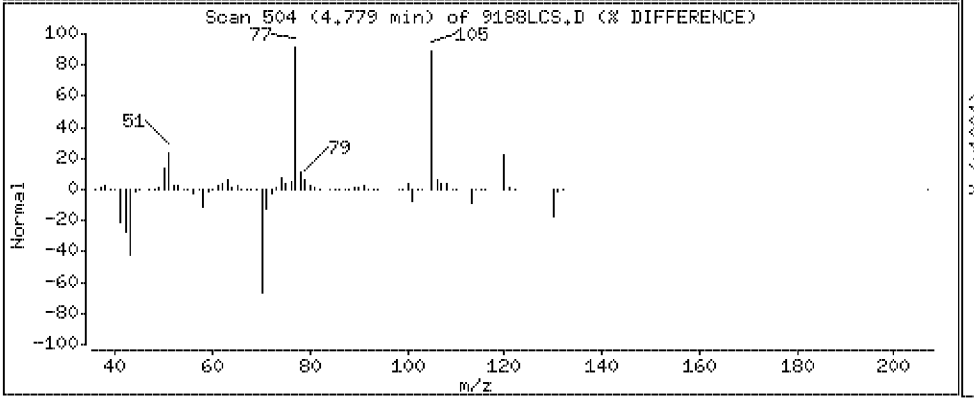
26 N-Nitrosodinpropylamine

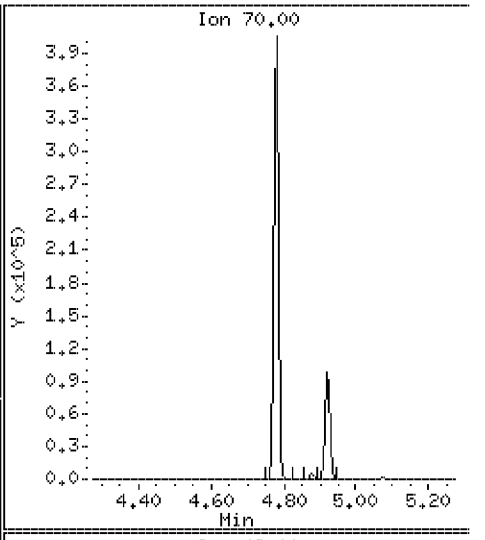
Concentration: 2300 ug/kg

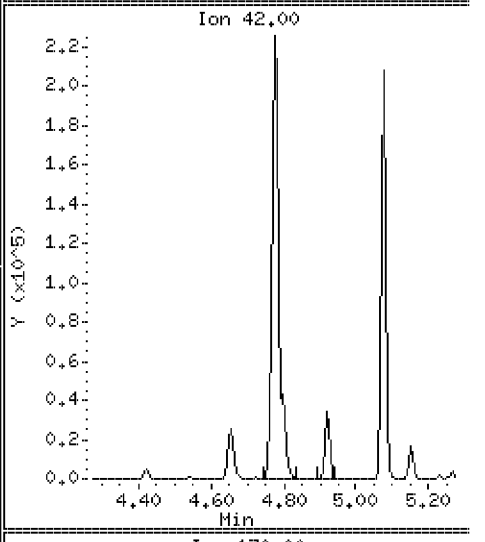


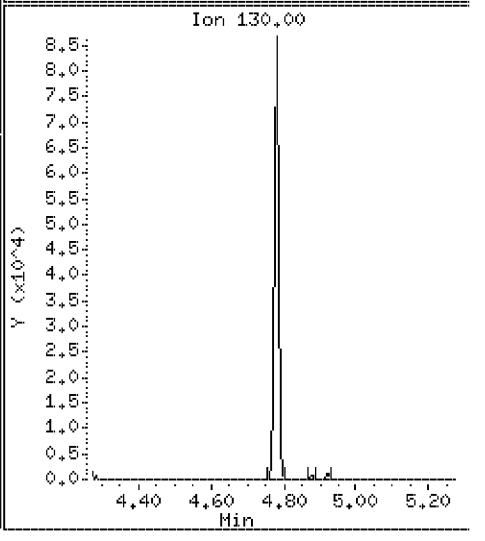












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

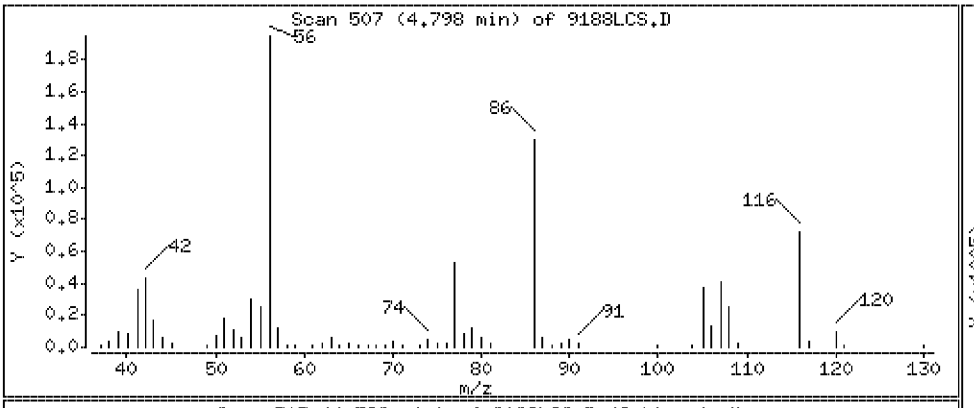
Operator: PEL

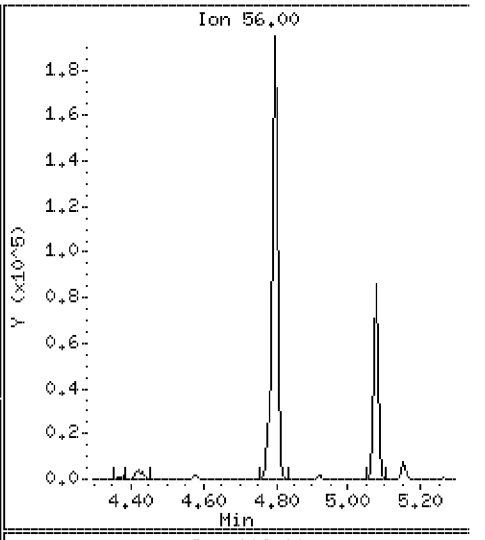
Column phase: HPMS-5

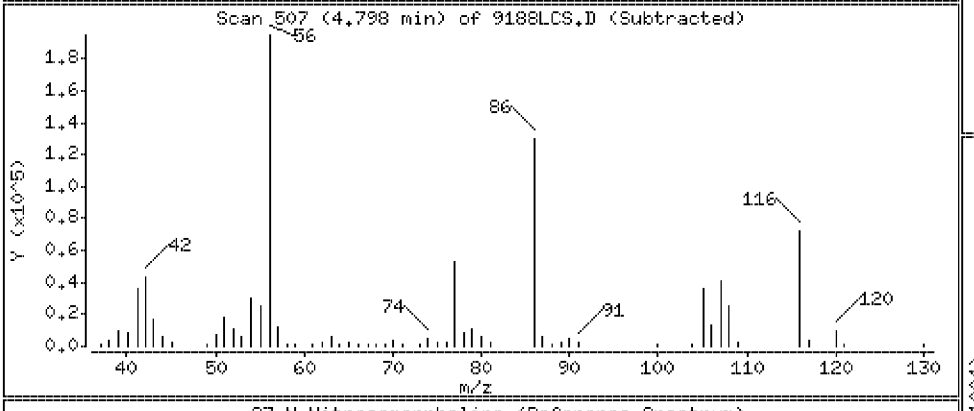
Column diameter: 0.25

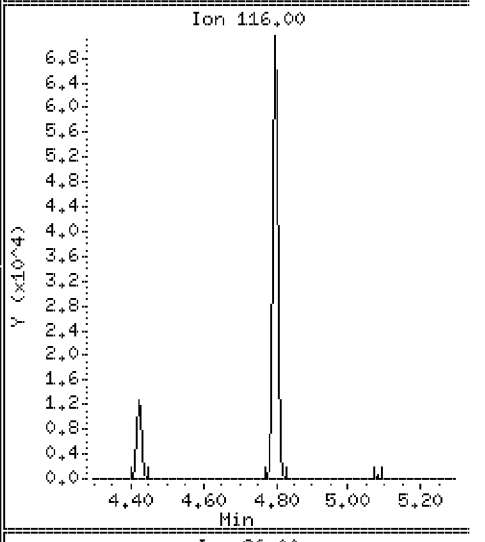
27 N-Nitrosomorpholine

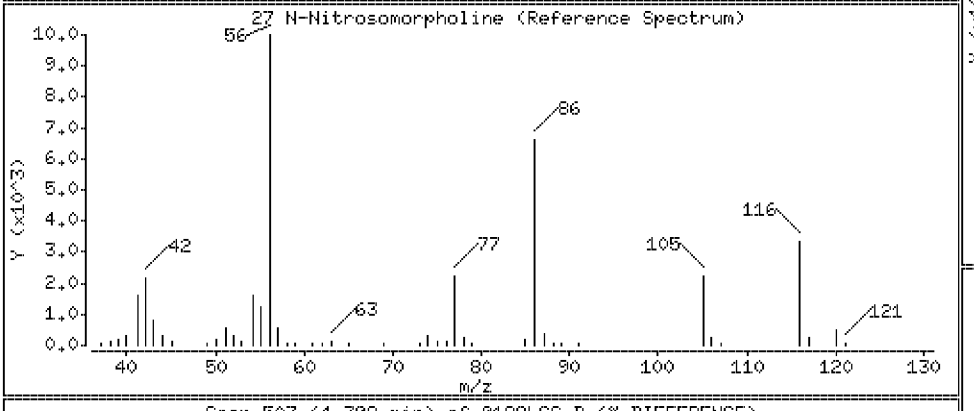
Concentration: 2320 ug/kg

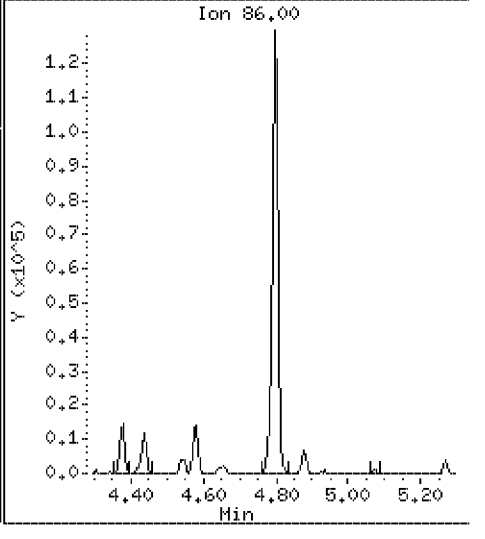


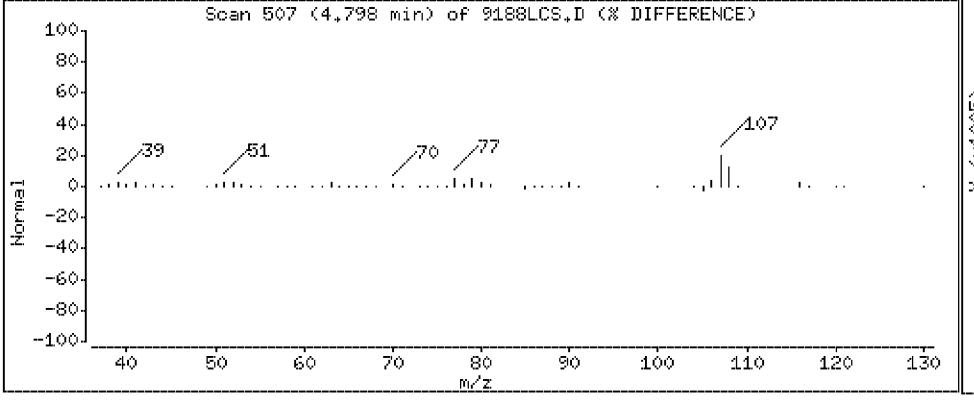












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

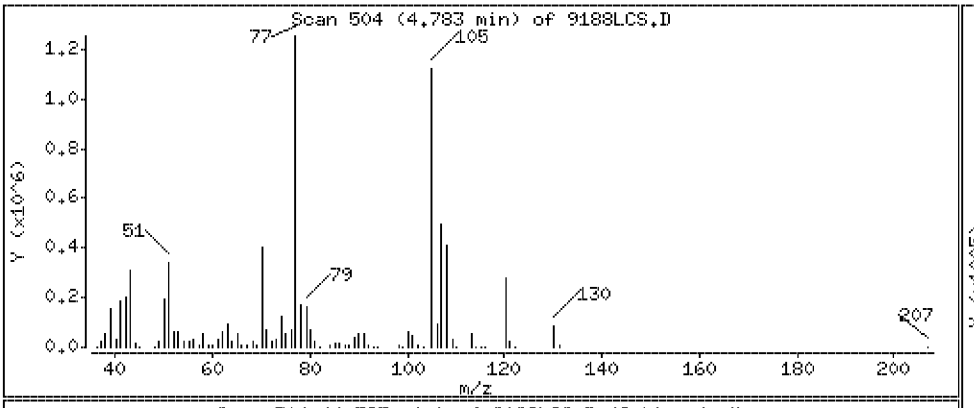
Operator: PEL

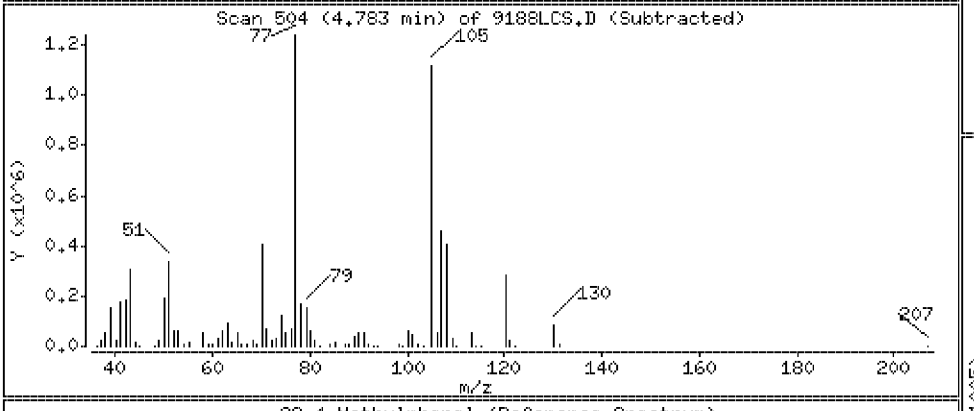
Column phase: HPMS-5

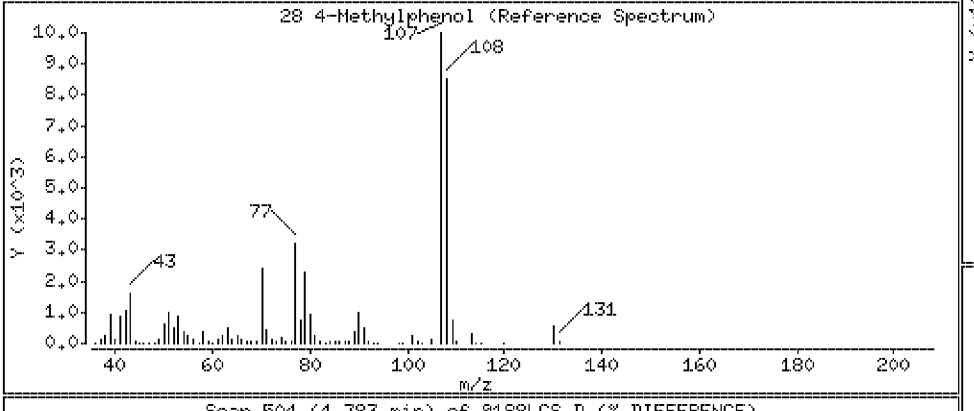
Column diameter: 0.25

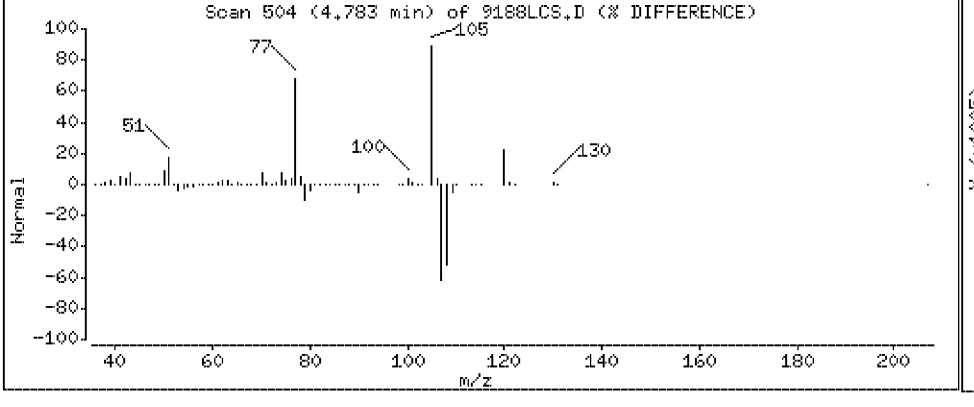
28 4-Methylphenol

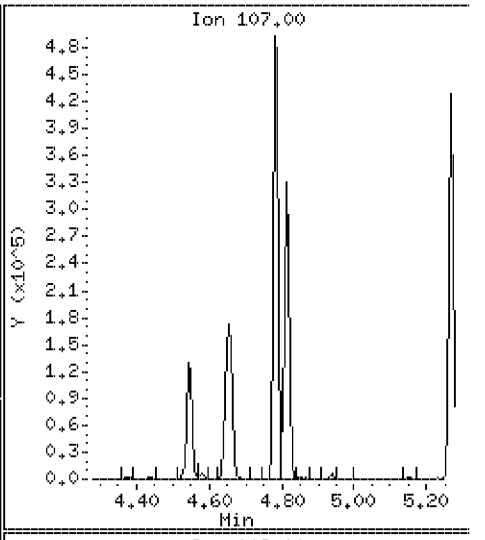
Concentration: 2230 ug/kg

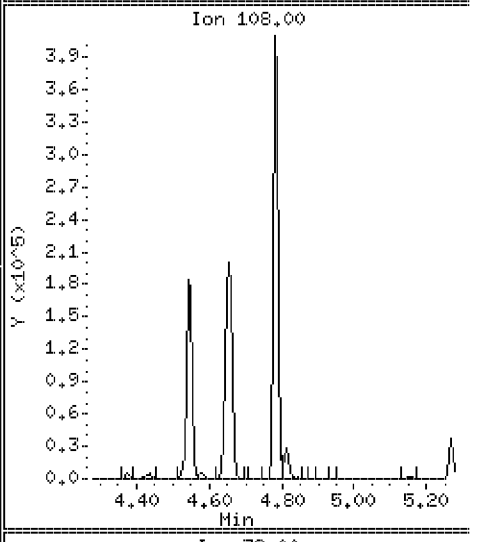


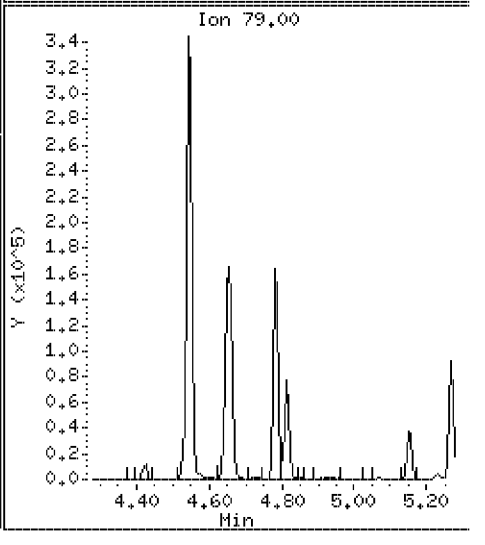












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

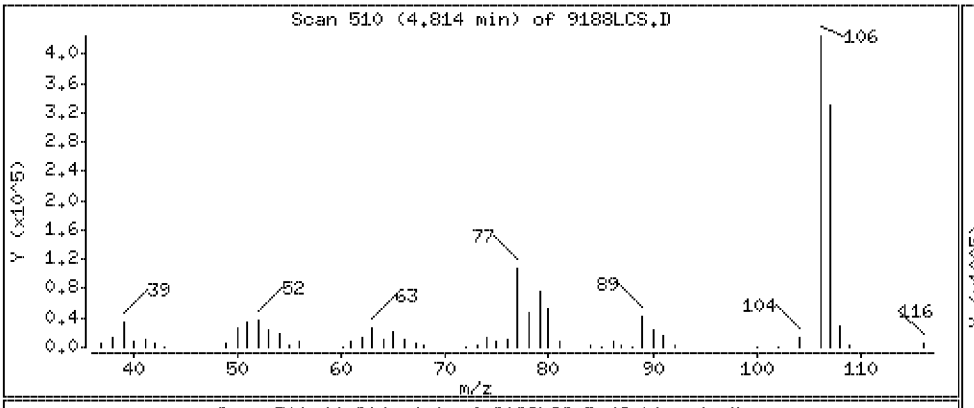
Operator: PEL

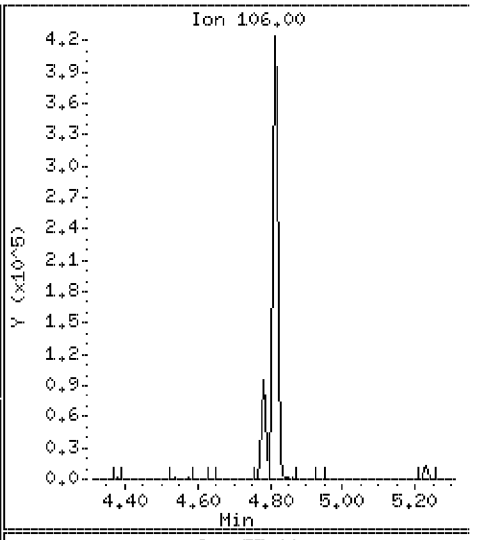
Column phase: HPMS-5

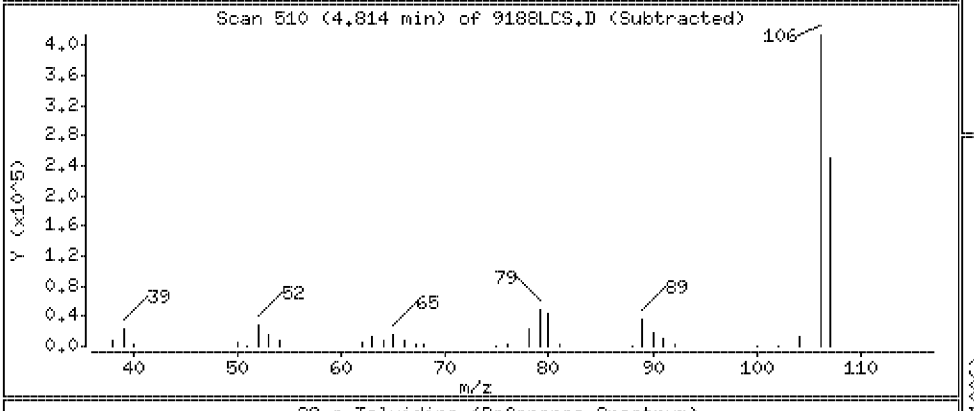
Column diameter: 0.25

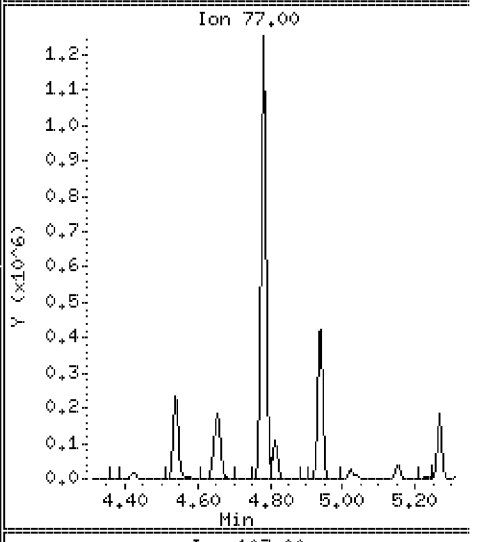
29 o-Toluidine

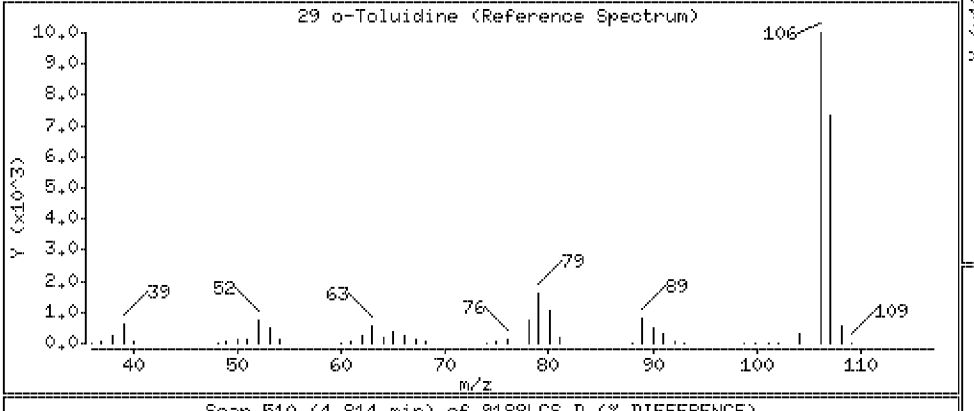
Concentration: 1480 ug/kg

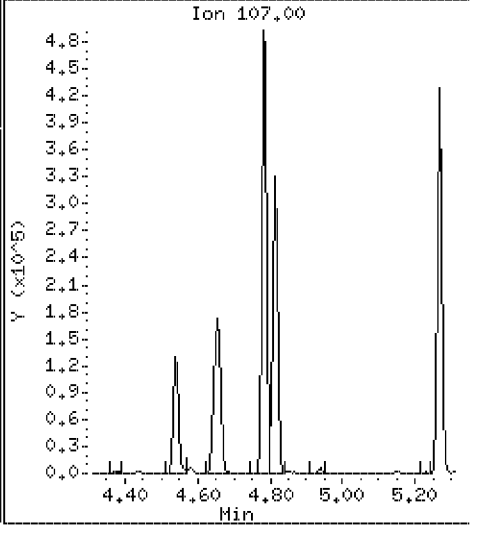


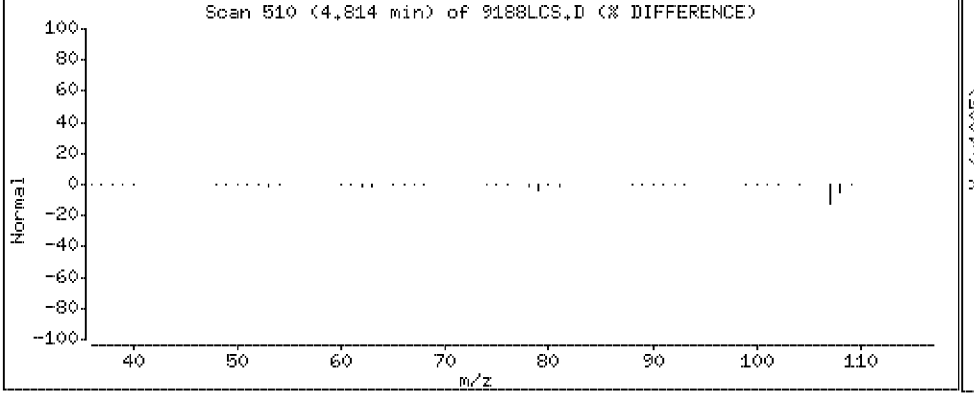












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

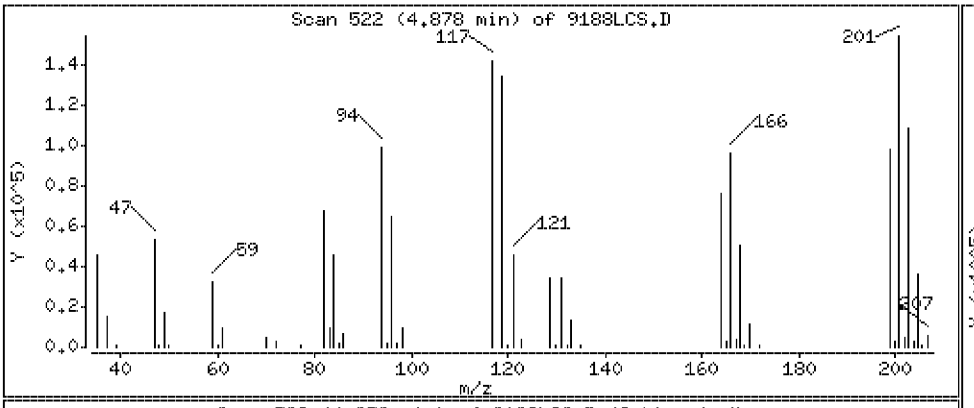
Operator: PEL

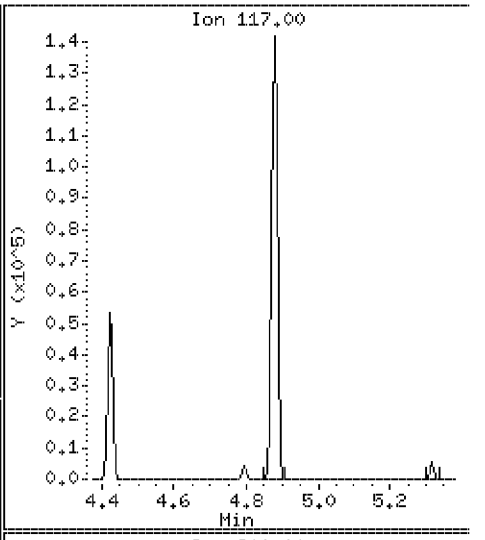
Column phase: HPMS-5

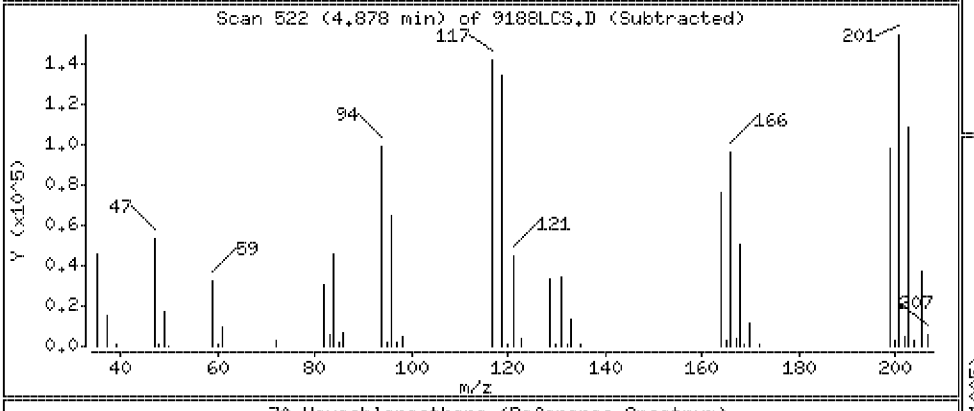
Column diameter: 0.25

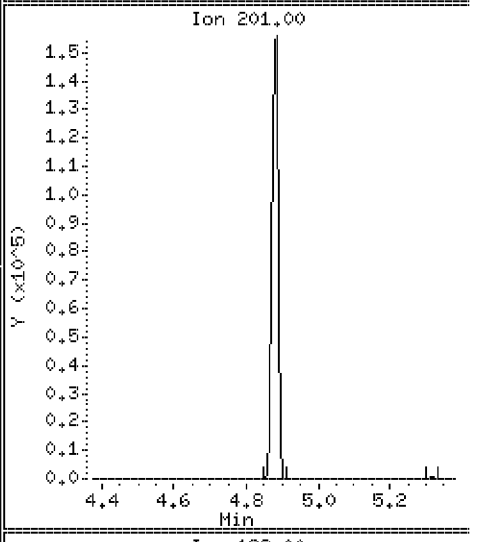
30 Hexachloroethane

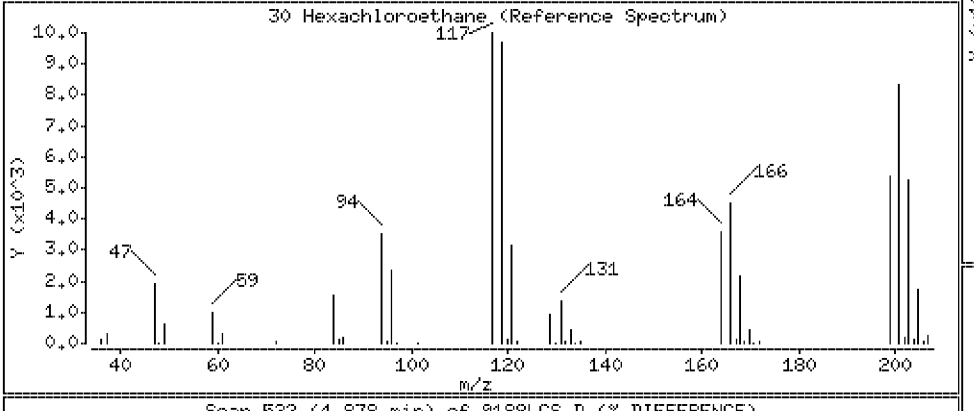
Concentration: 1680 ug/kg

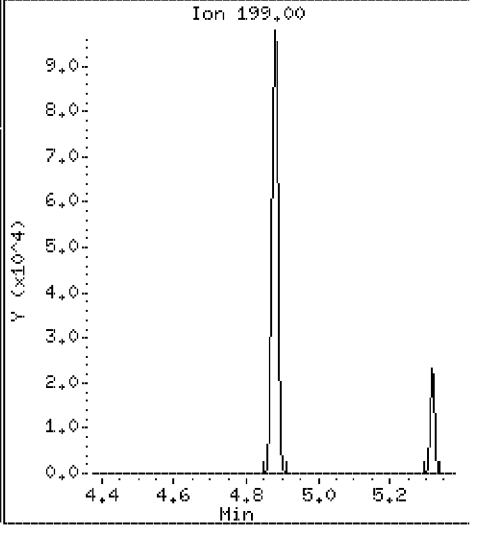


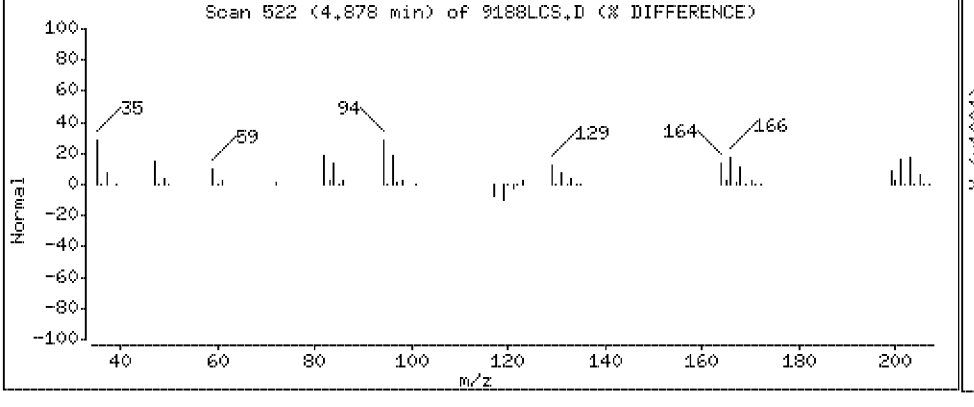












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

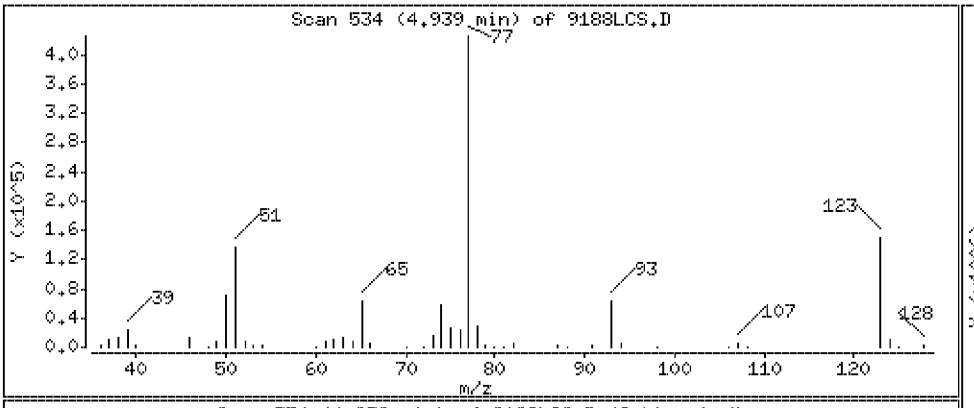
Operator: PEL

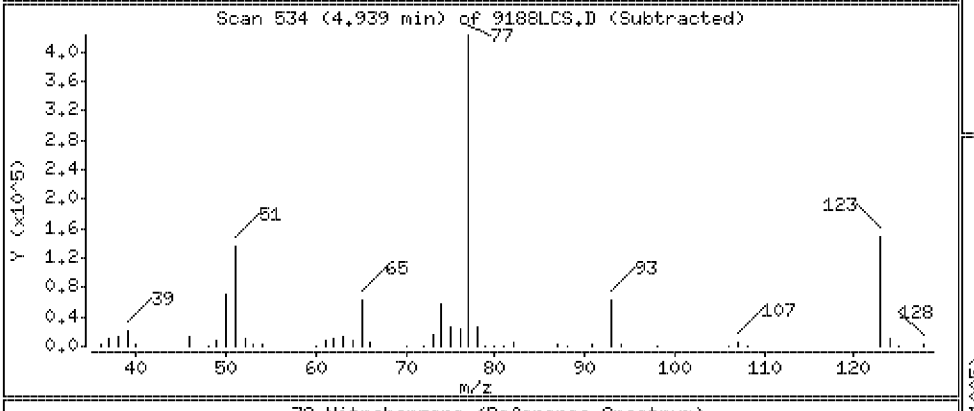
Column phase: HPMS-5

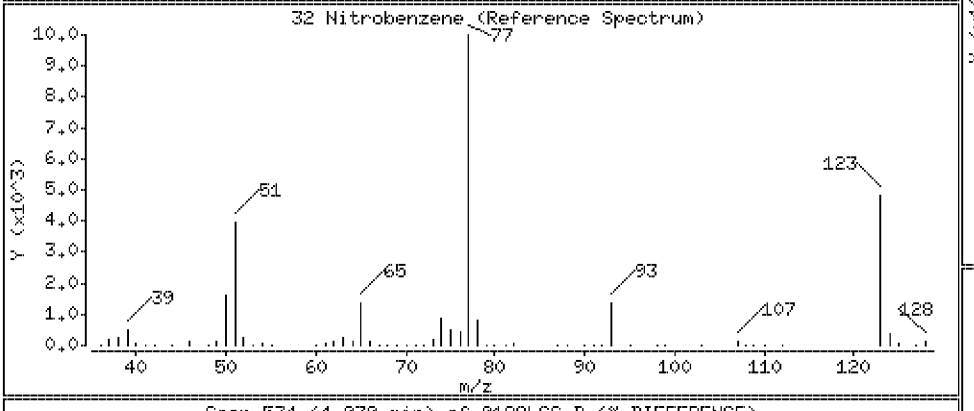
Column diameter: 0.25

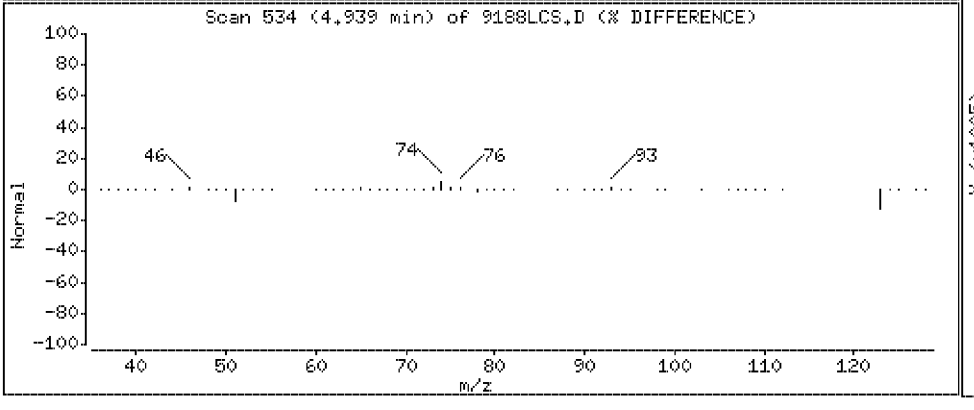
32 Nitrobenzene

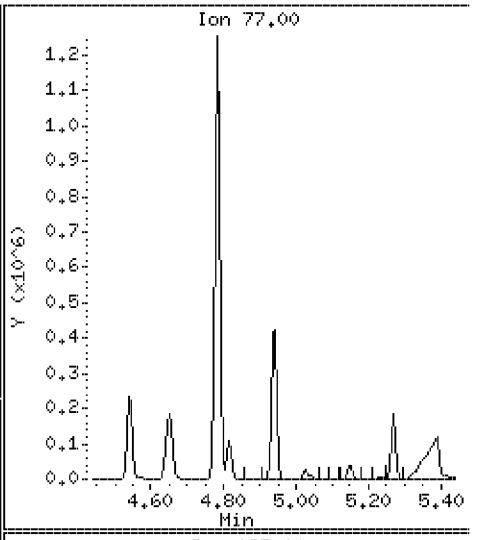
Concentration: 1700 ug/kg

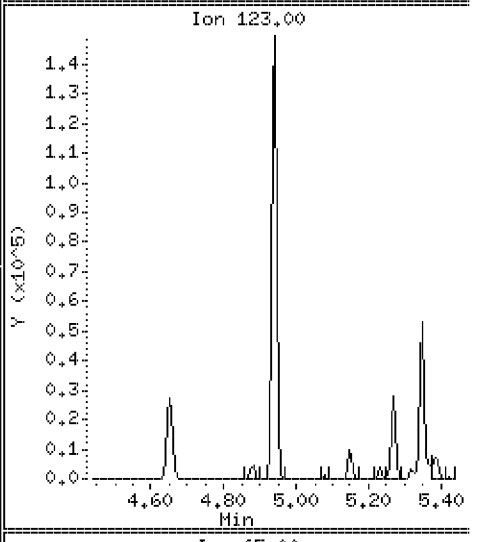


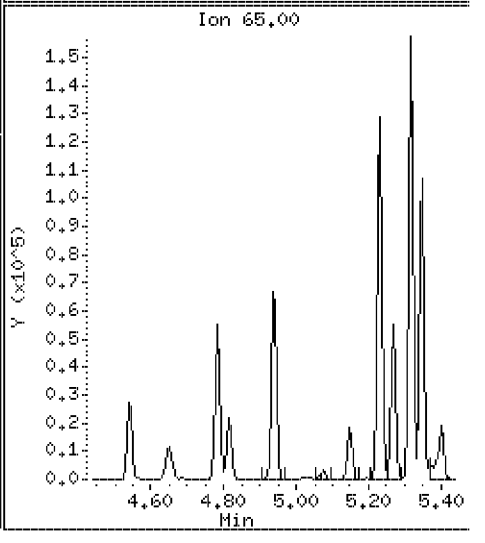












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

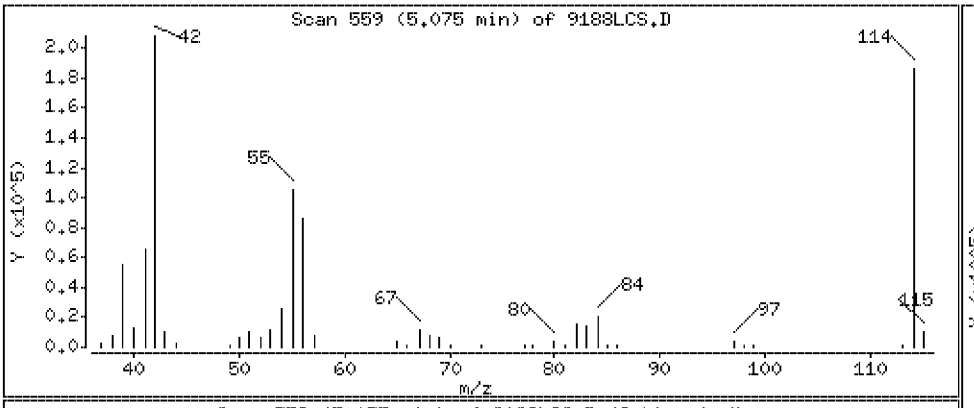
Operator: PEL

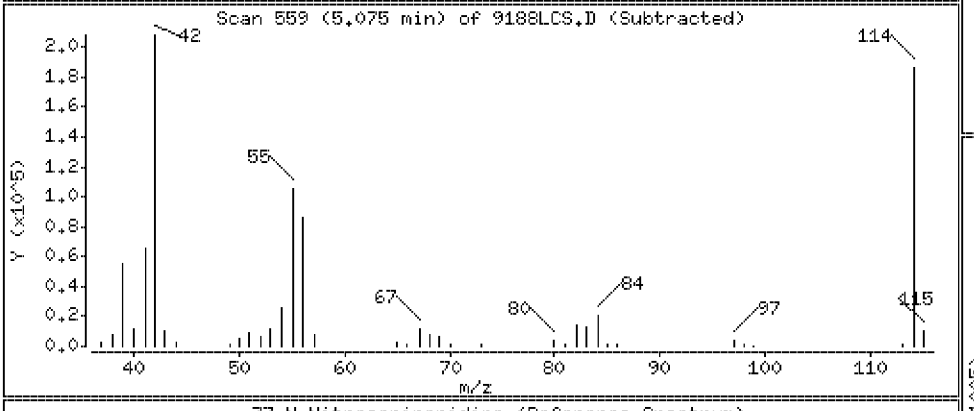
Column phase: HPMS-5

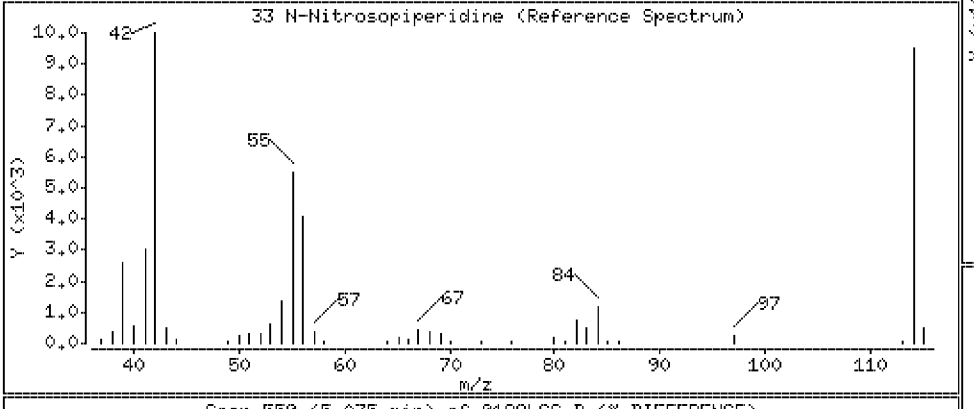
Column diameter: 0.25

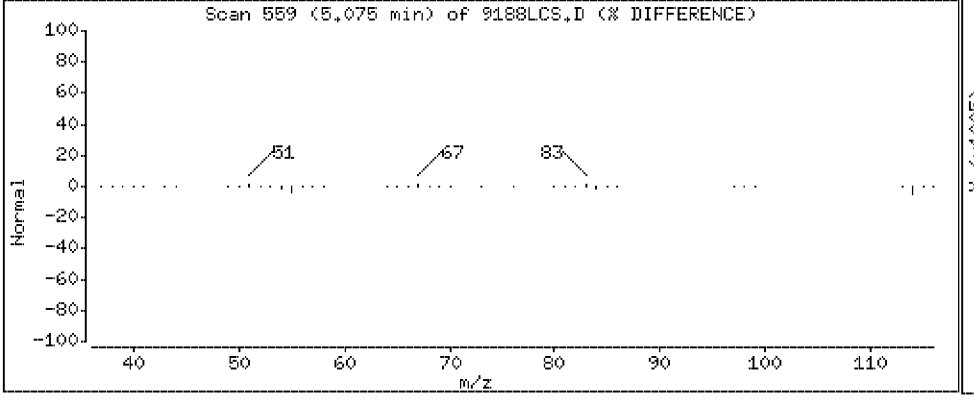
33 N-Nitrosopiperidine

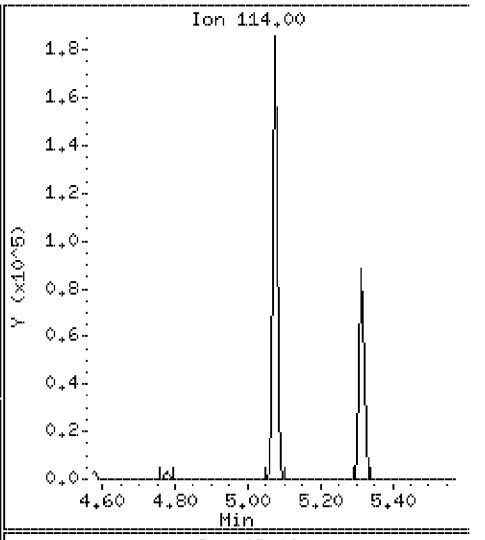
Concentration: 2030 ug/kg

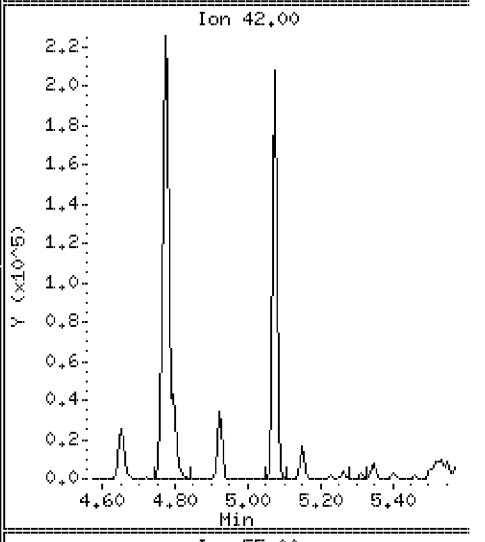


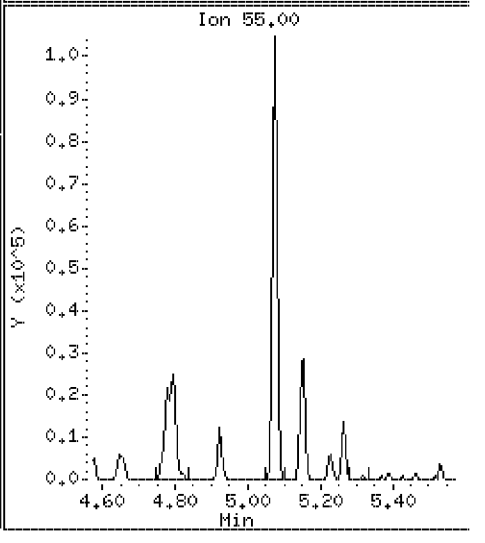












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

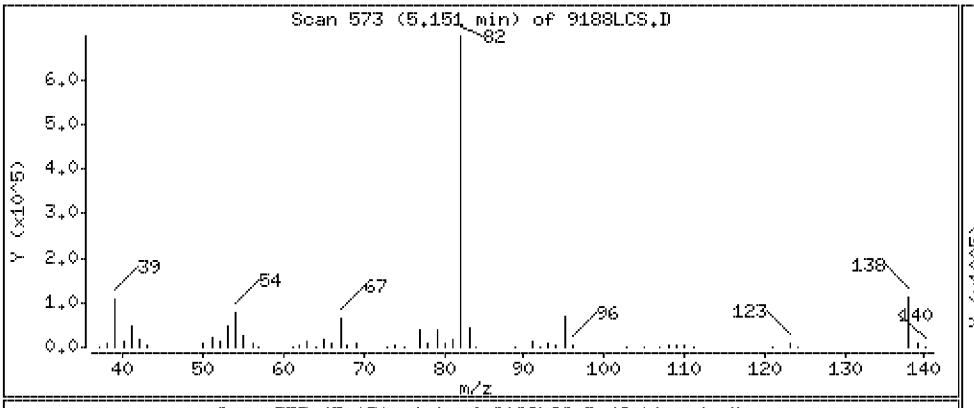
Operator: PEL

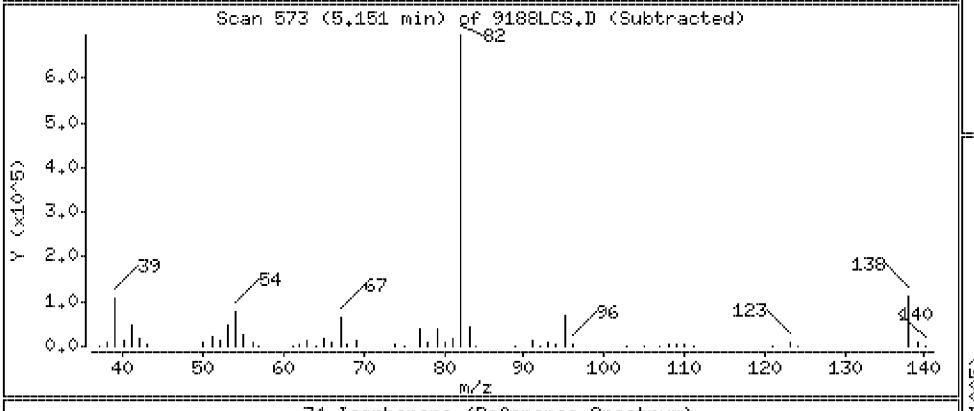
Column phase: HPMS-5

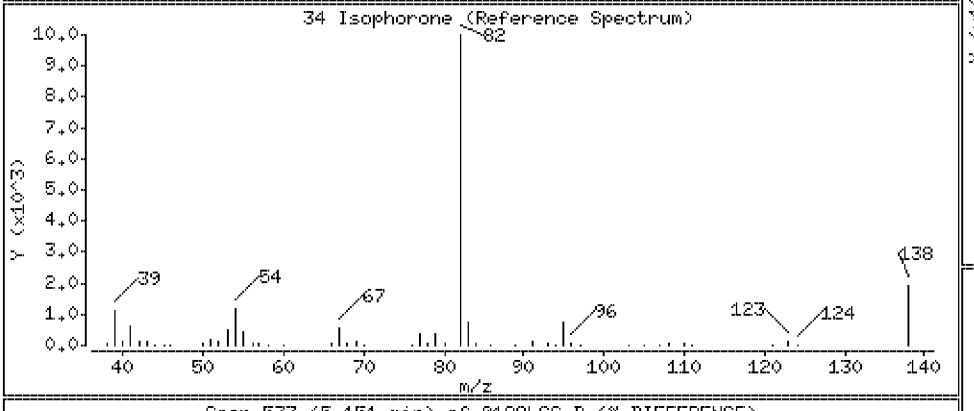
Column diameter: 0.25

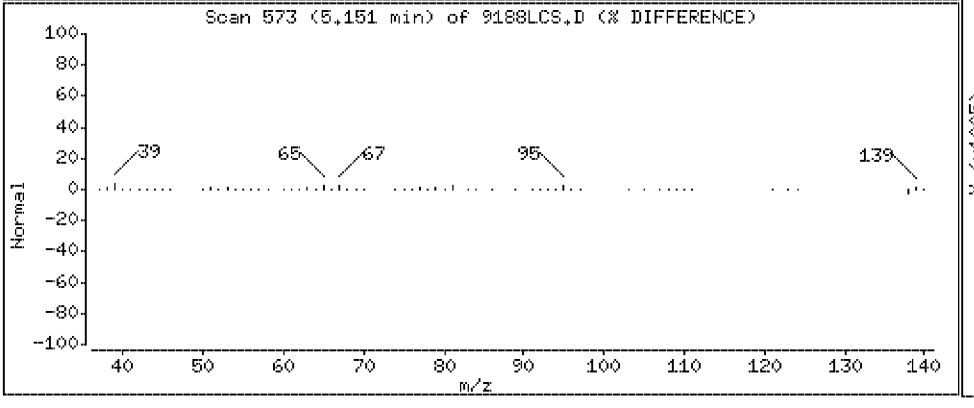
34 Isophorone

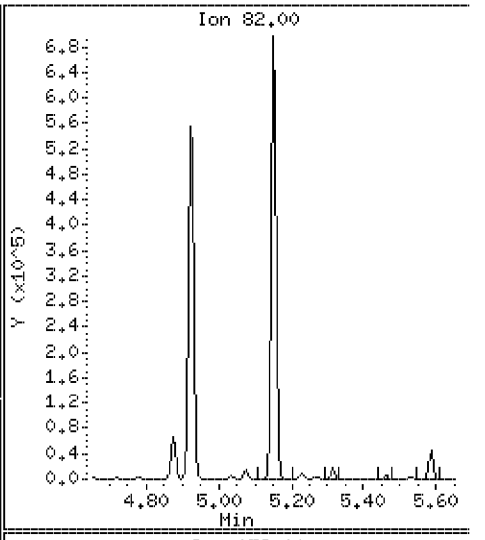
Concentration: 2240 ug/kg

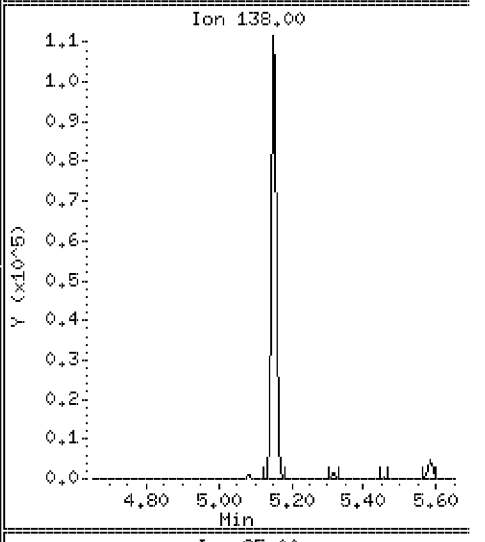


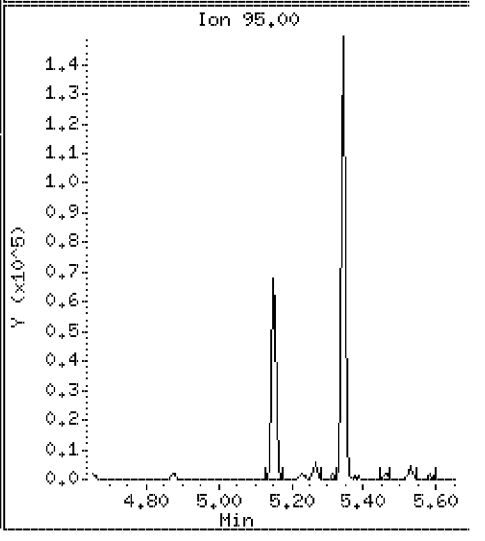












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

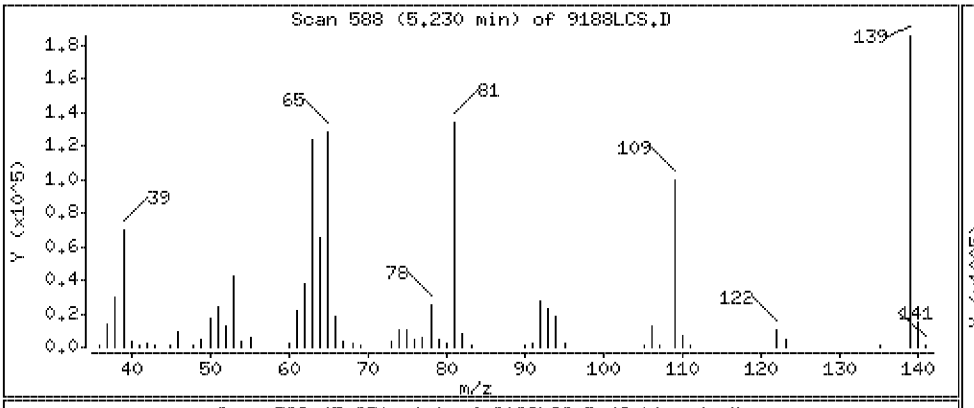
Operator: PEL

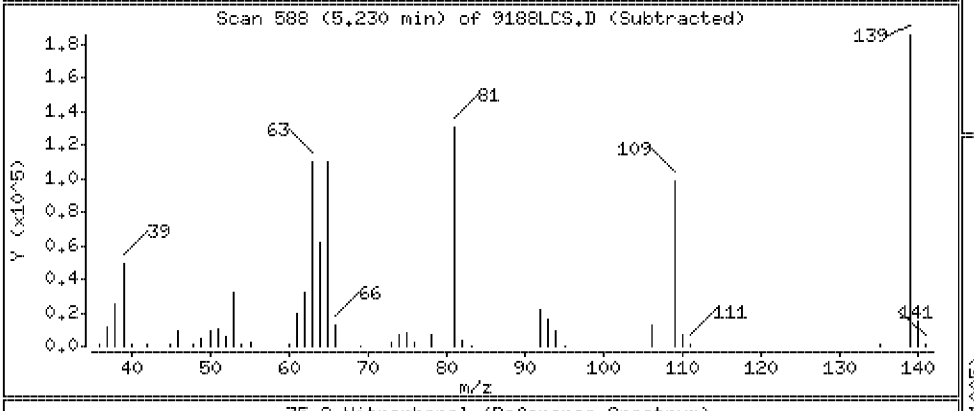
Column phase: HPMS-5

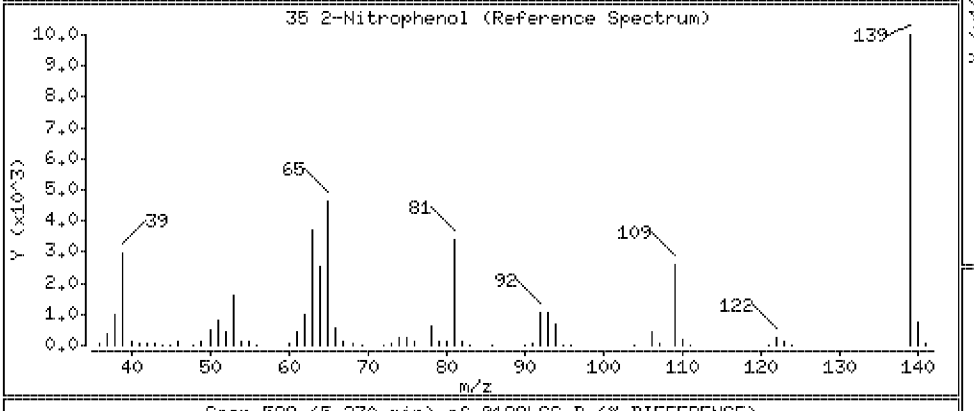
Column diameter: 0.25

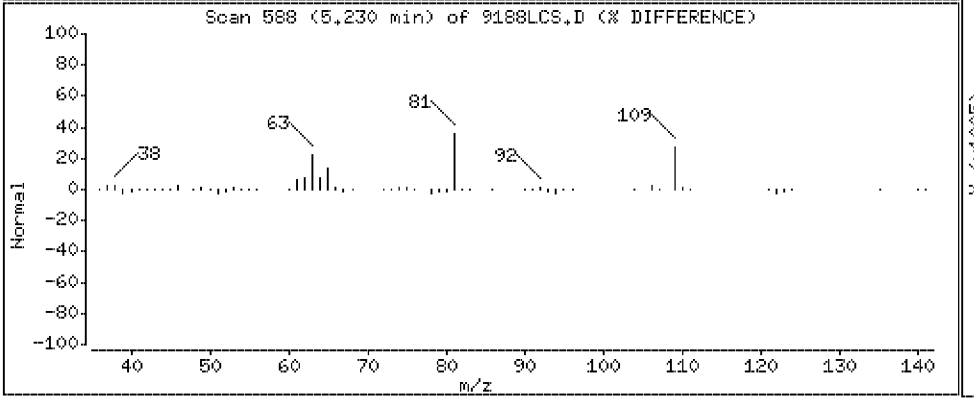
35 2-Nitrophenol

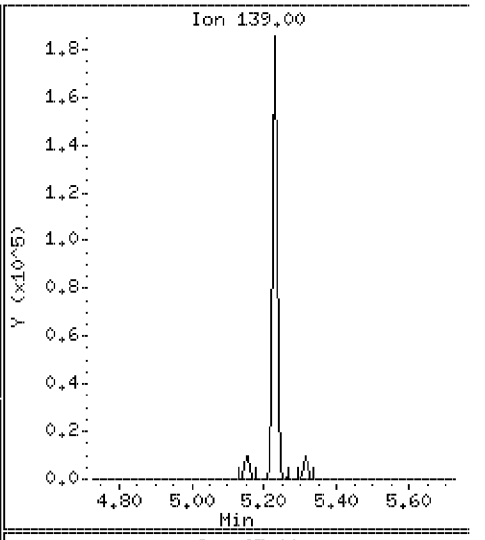
Concentration: 1830 ug/kg

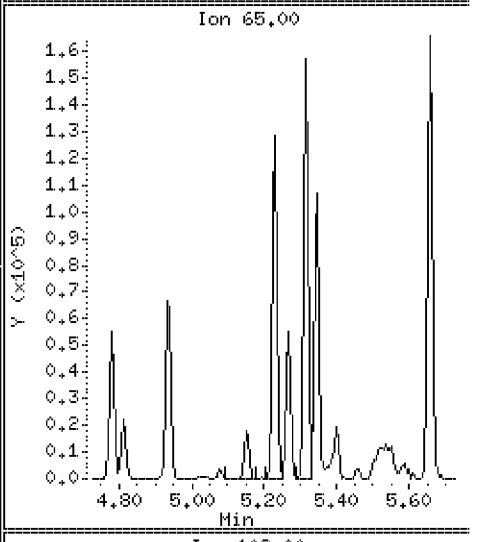


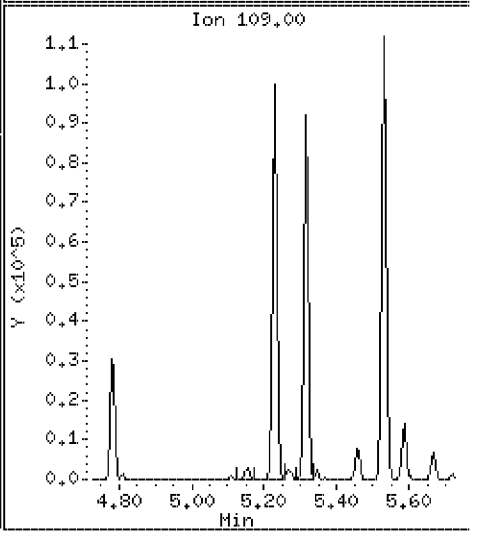












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

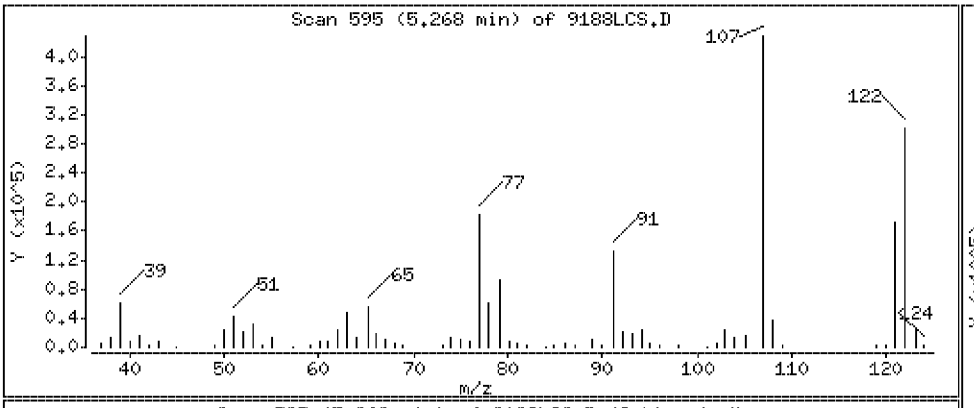
Operator: PEL

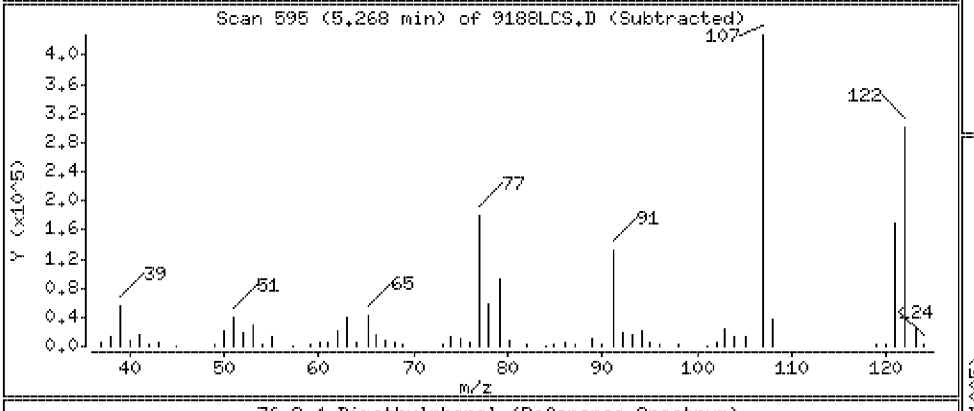
Column phase: HPMS-5

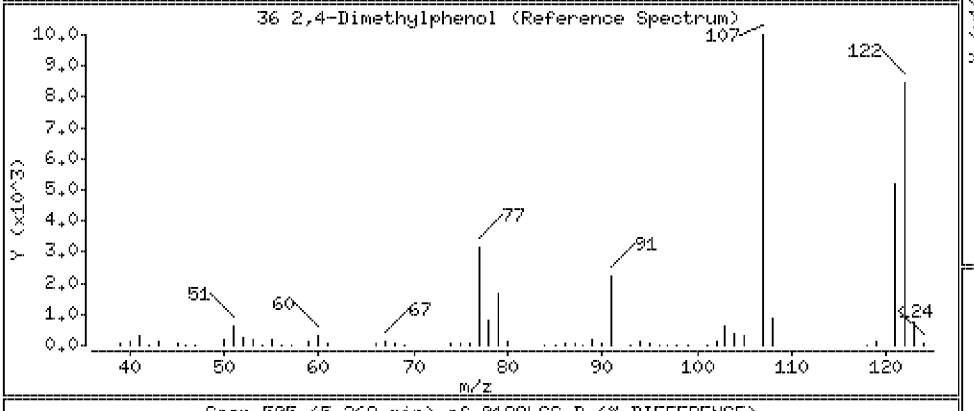
Column diameter: 0.25

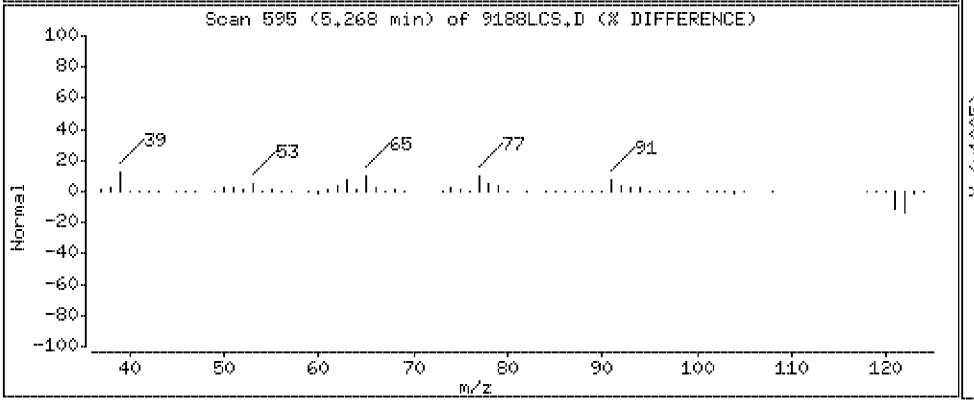
36 2,4-Dimethylphenol

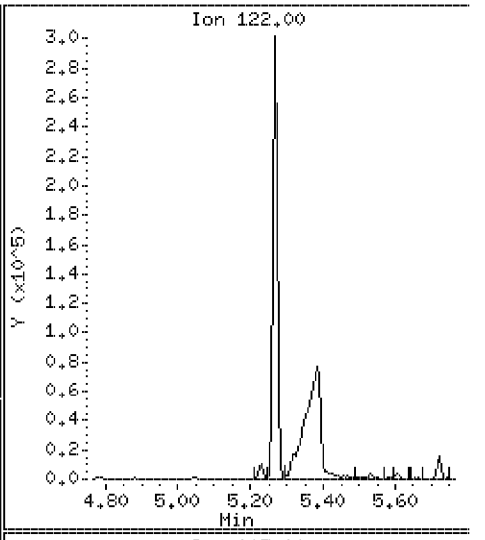
Concentration: 1870 ug/kg

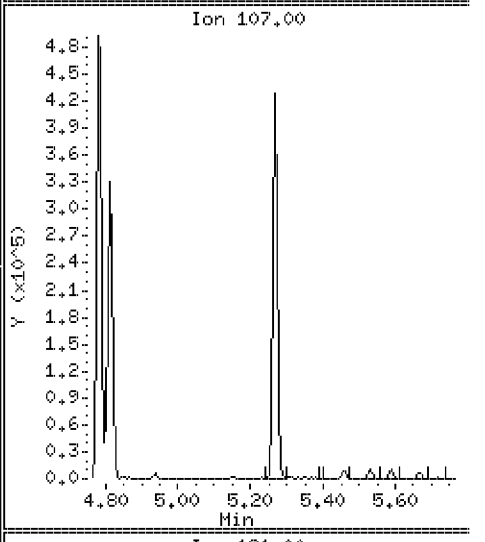


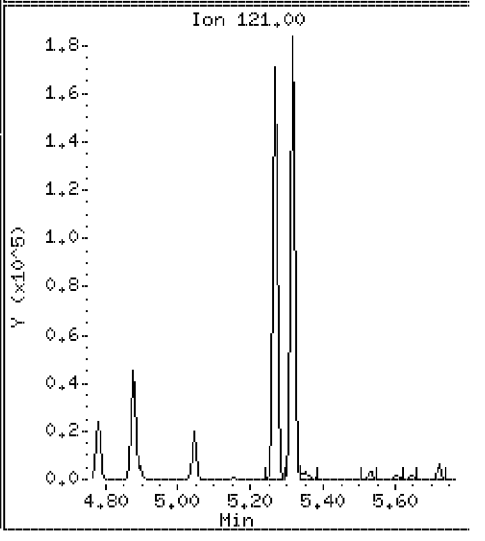












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

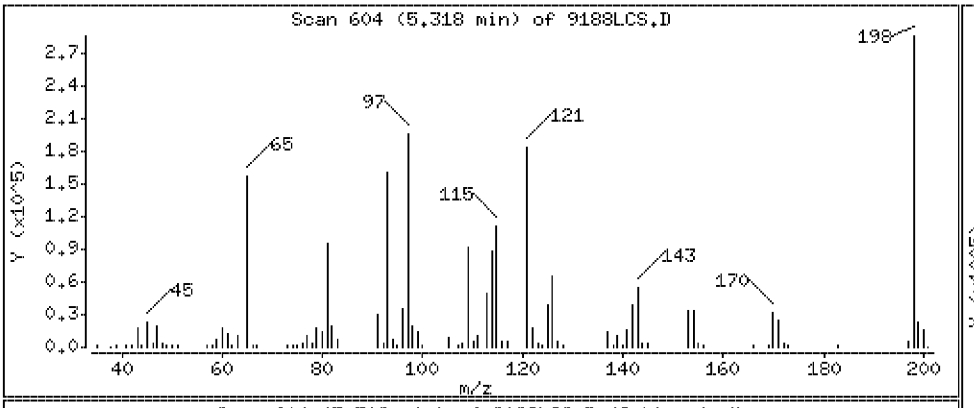
Operator: PEL

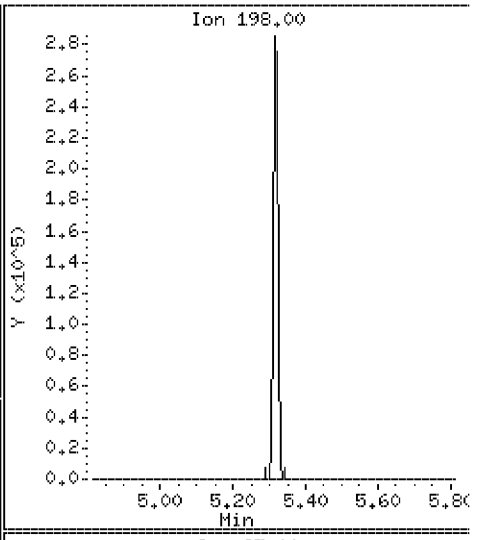
Column phase: HPMS-5

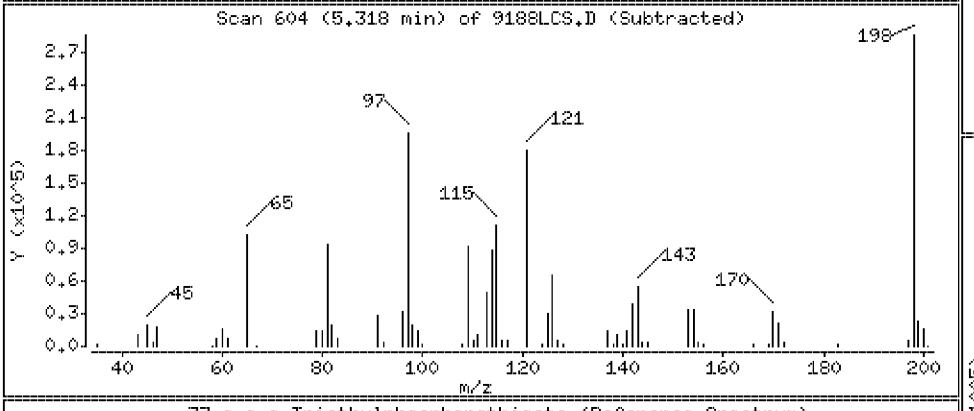
Column diameter: 0.25

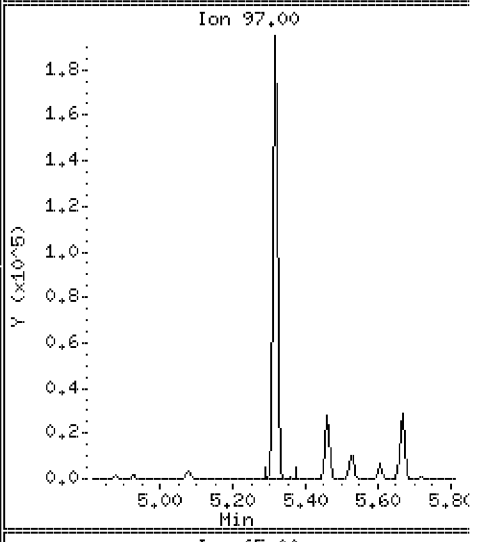
37 o,o,o-Triethylphosphorothioate

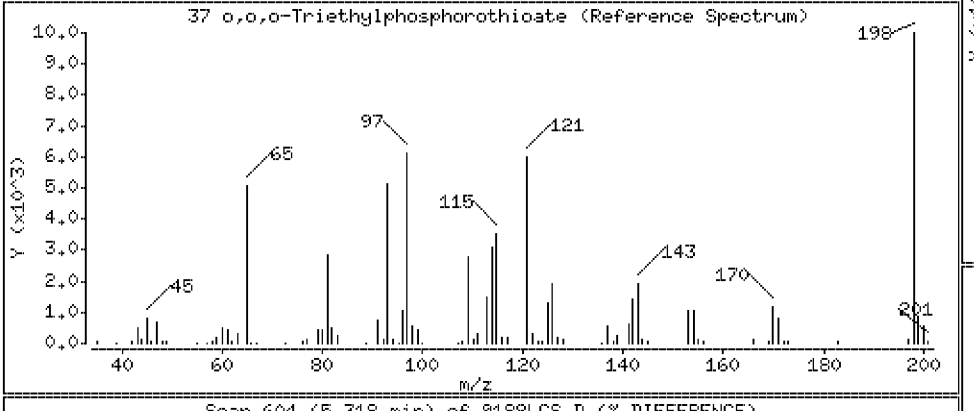
Concentration: 1970 ug/kg

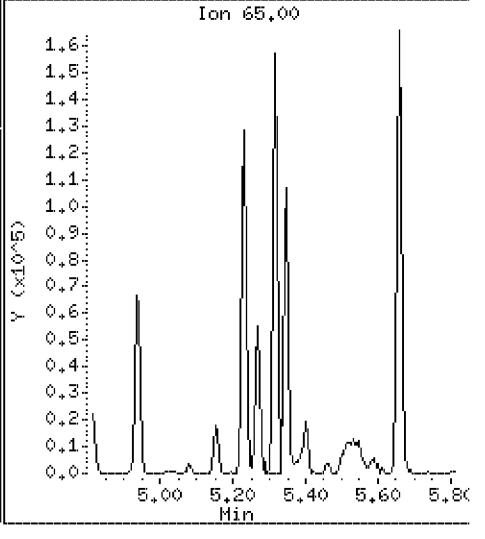


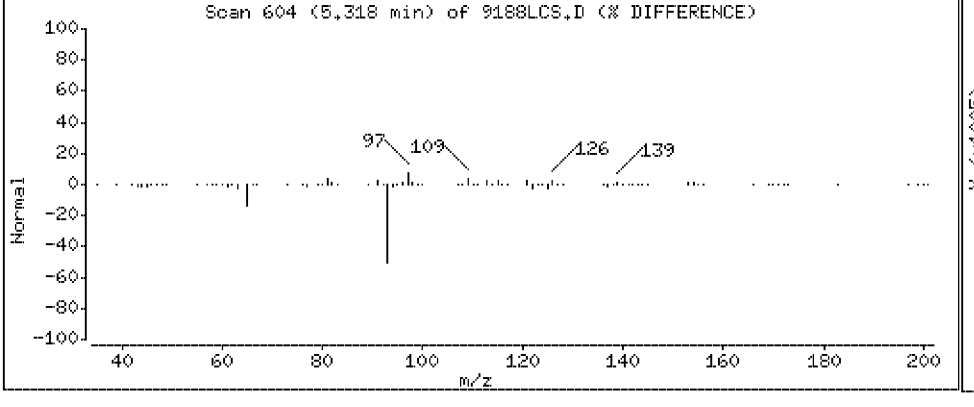












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

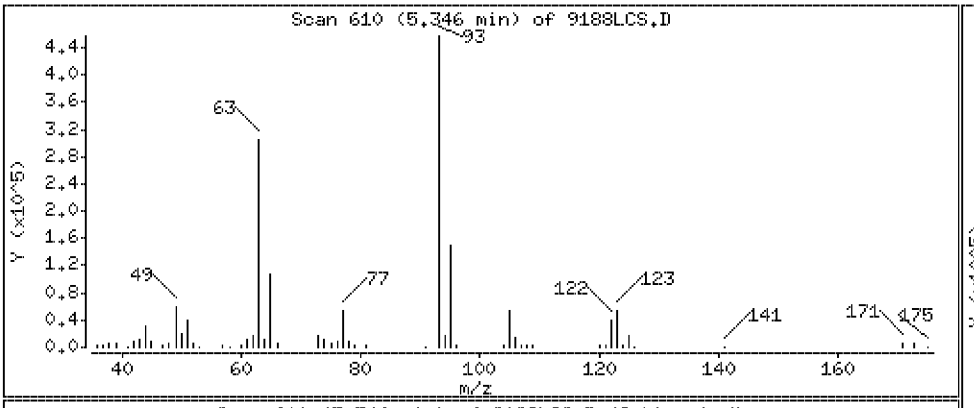
Operator: PEL

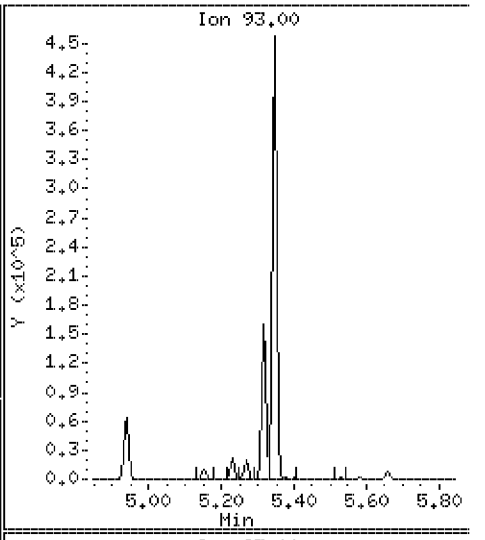
Column phase: HPMS-5

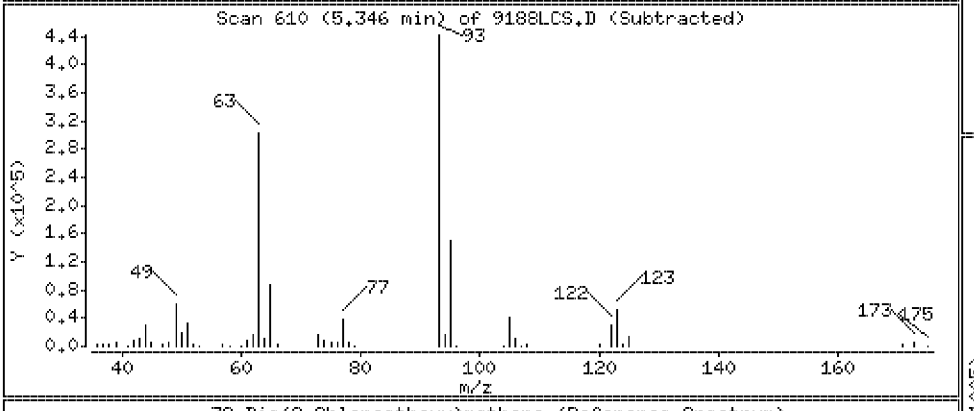
Column diameter: 0.25

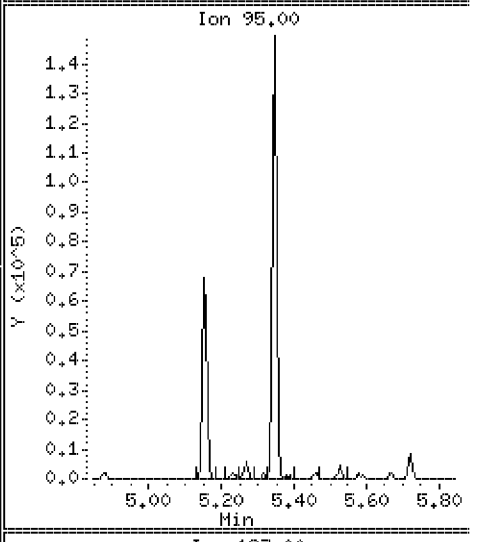
38 Bis(2-Chloroethoxy)methane

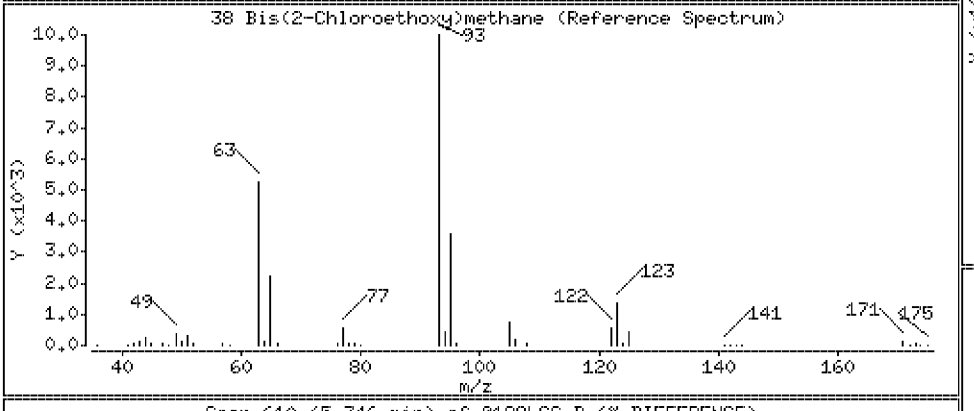
Concentration: 1920 ug/kg

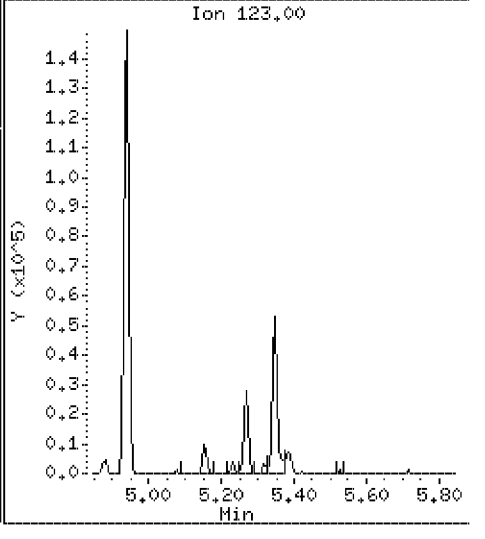


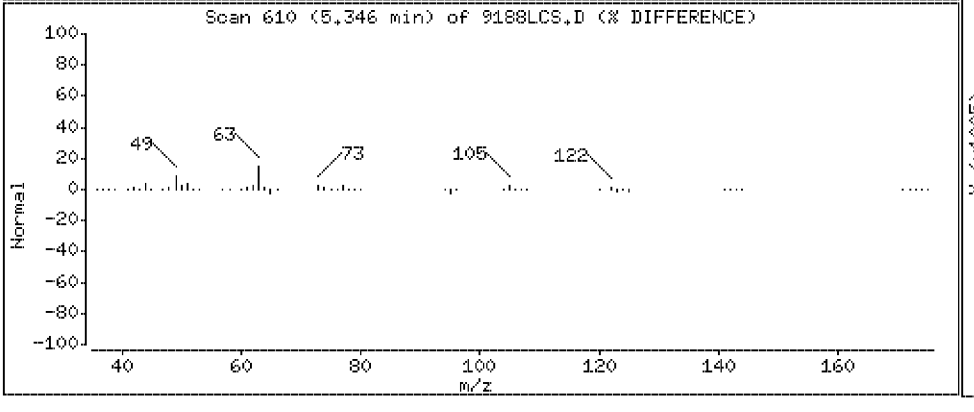












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

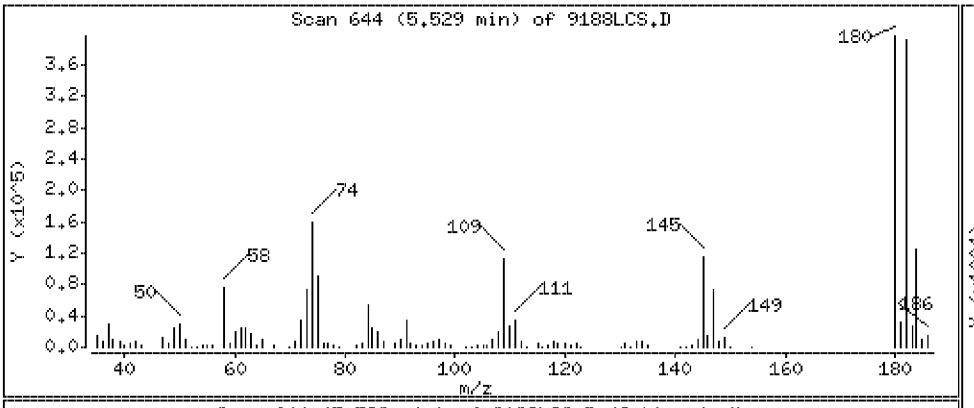
Operator: PEL

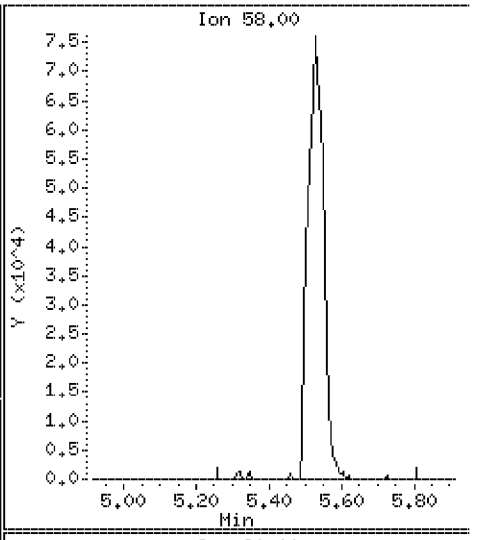
Column phase: HPMS-5

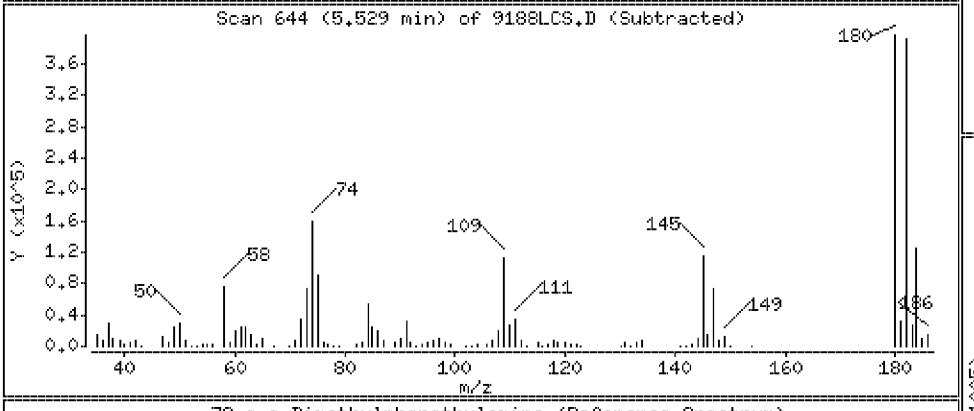
Column diameter: 0.25

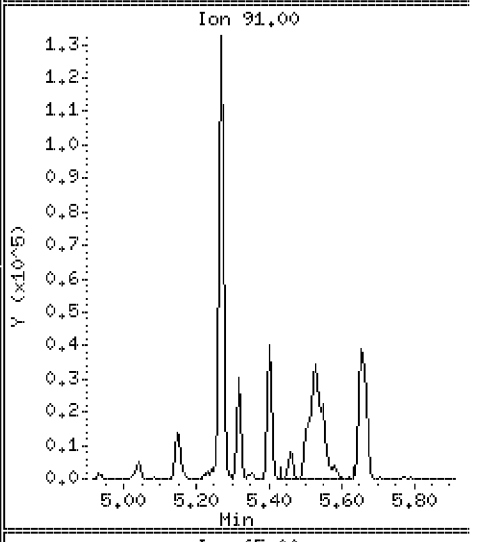
39 a,a-Dimethylphenethylamine

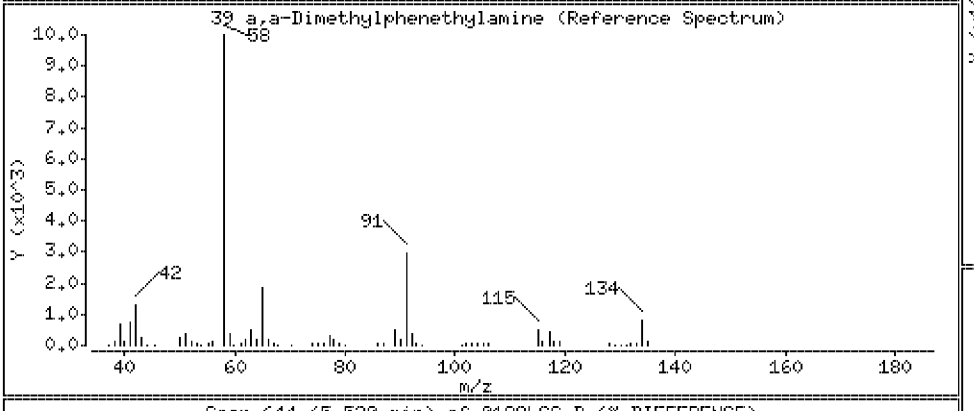
Concentration: 853 ug/kg

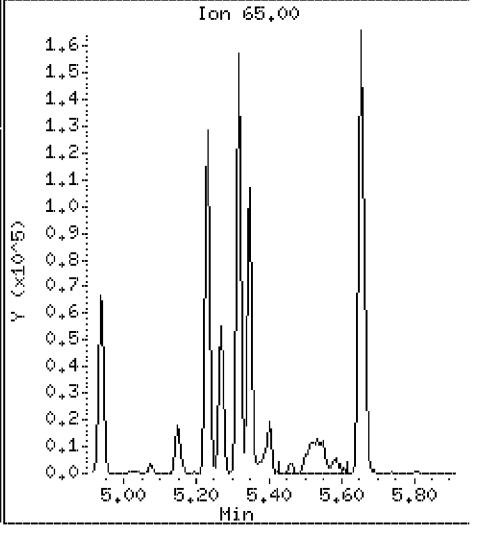


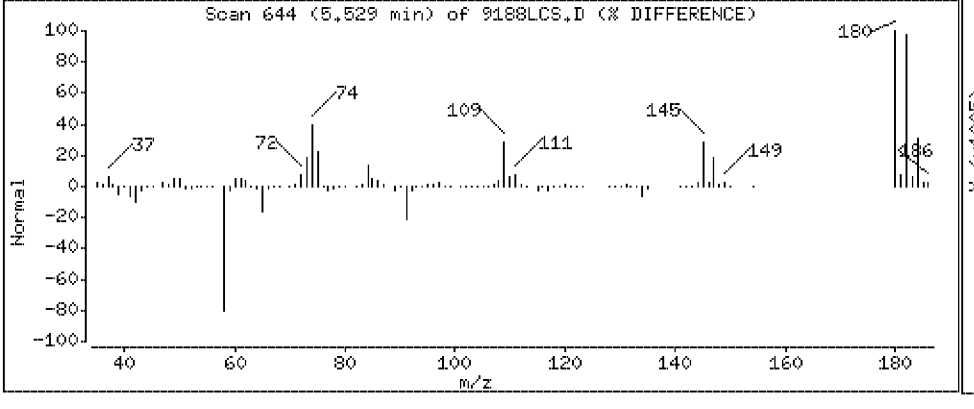












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

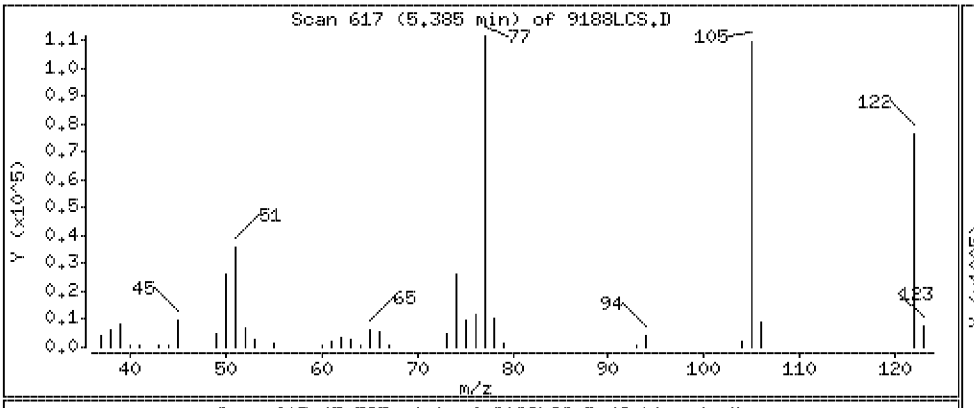
Operator: PEL

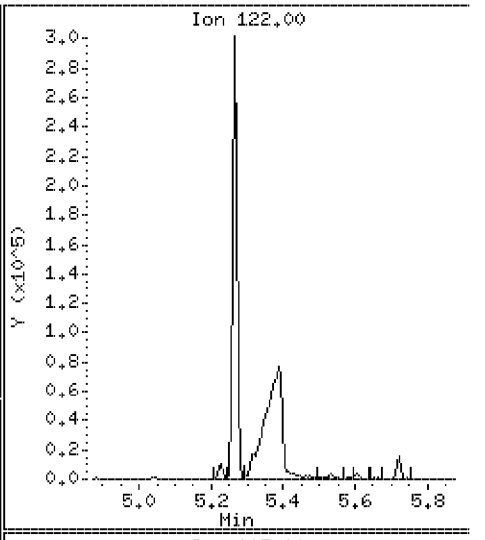
Column phase: HPMS-5

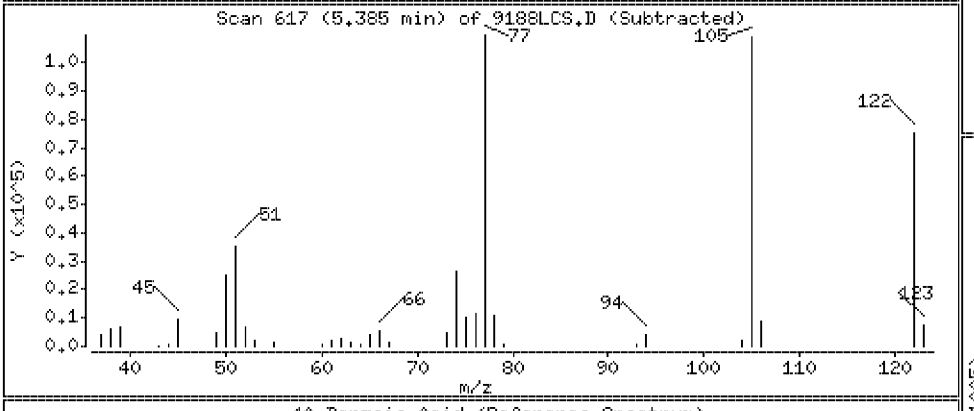
Column diameter: 0.25

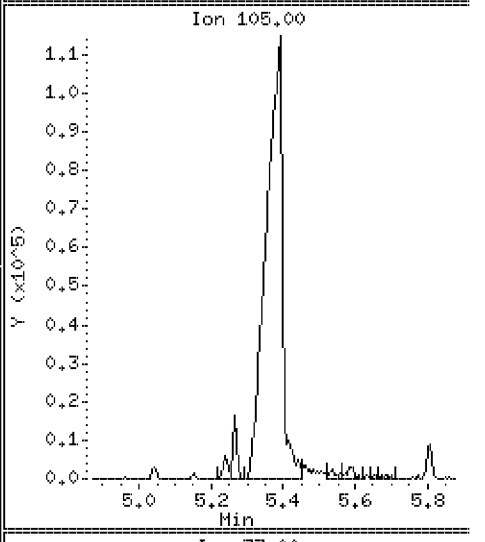
40 Benzoic Acid

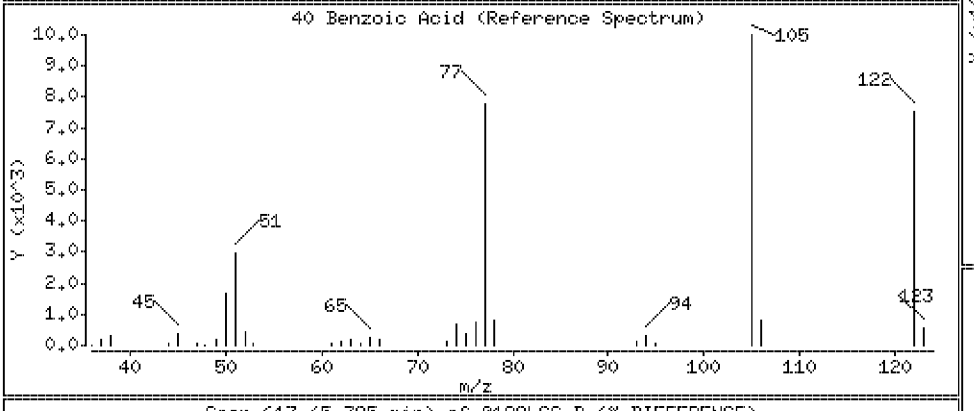
Concentration: 2500 ug/kg

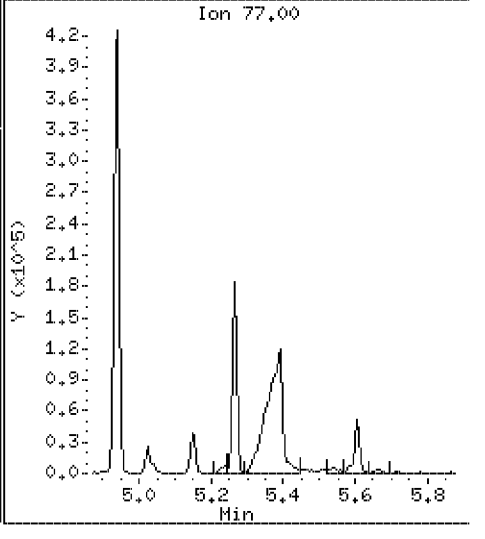


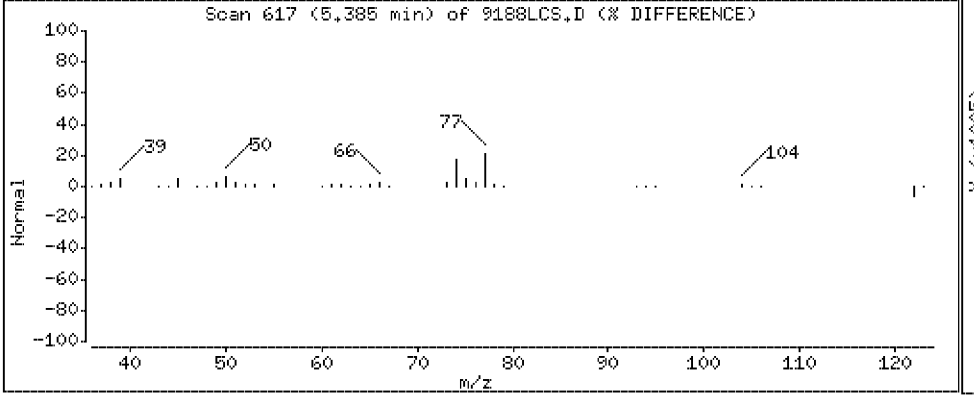












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

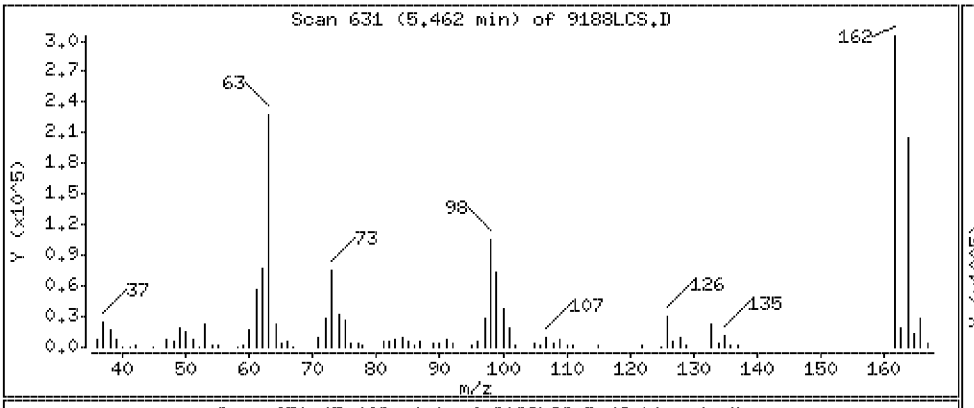
Operator: PEL

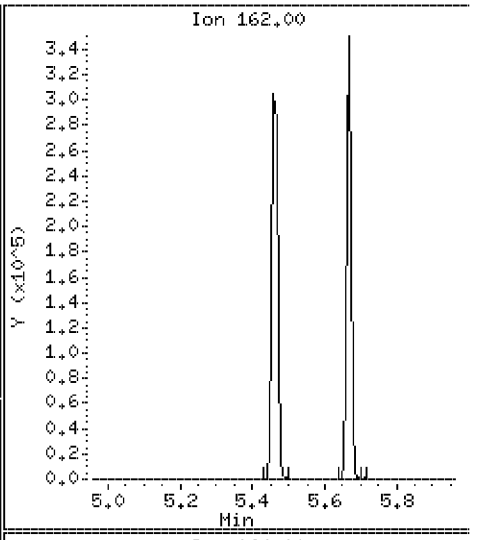
Column phase: HPMS-5

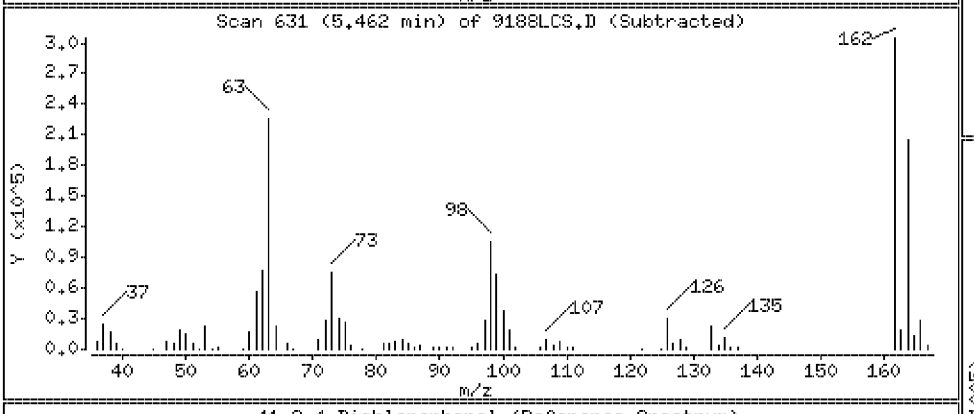
Column diameter: 0.25

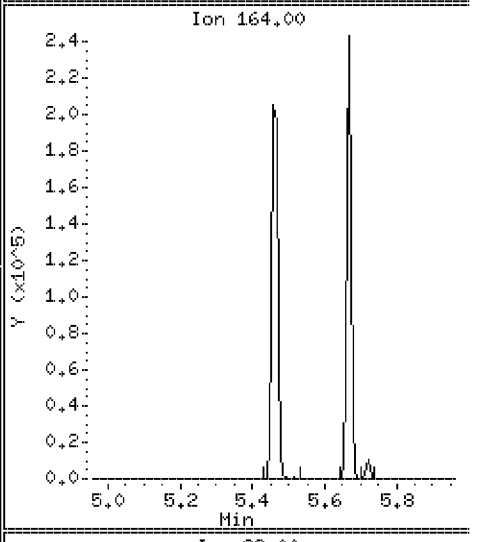
41 2,4-Dichlorophenol

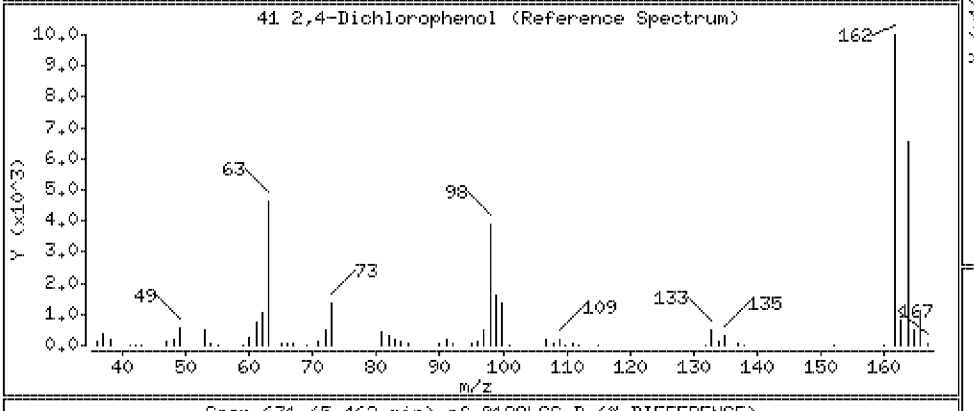
Concentration: 1730 ug/kg

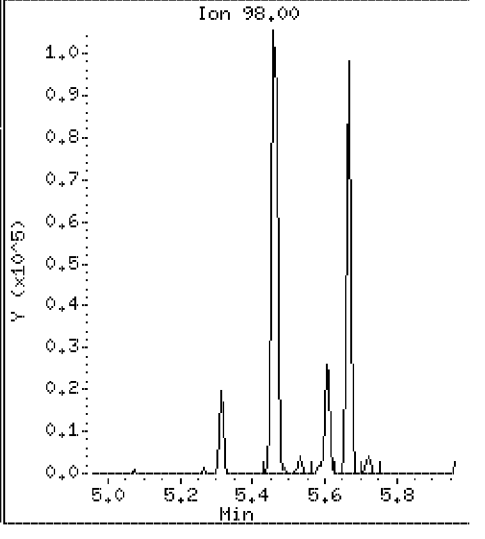


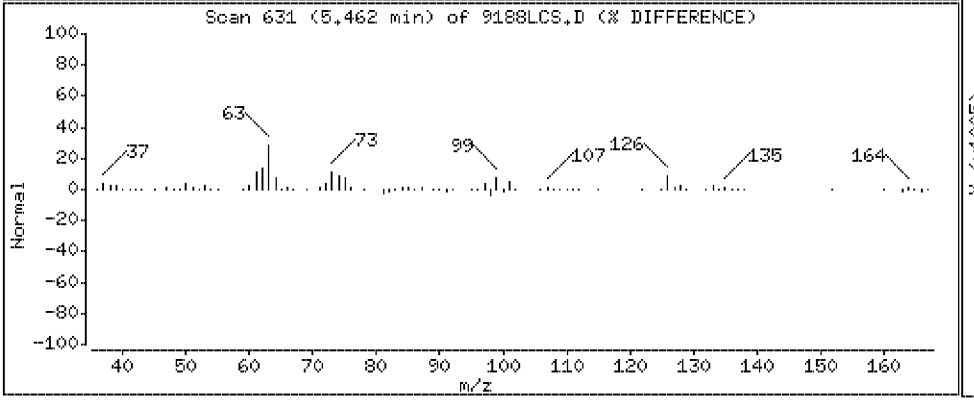












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

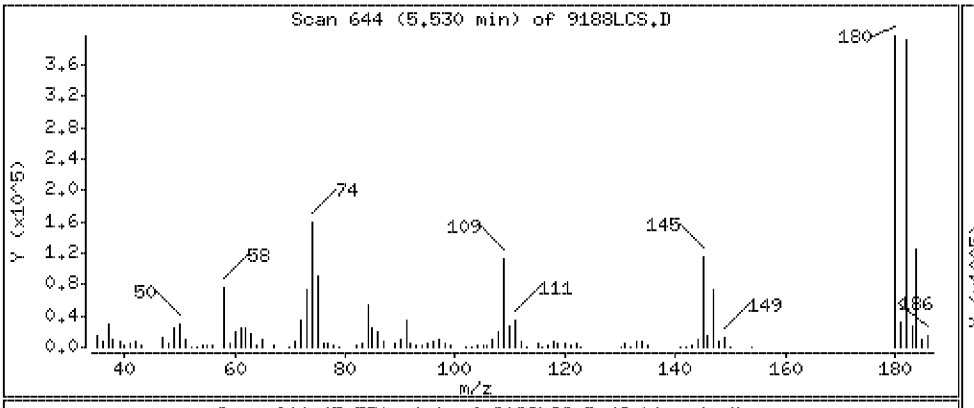
Operator: PEL

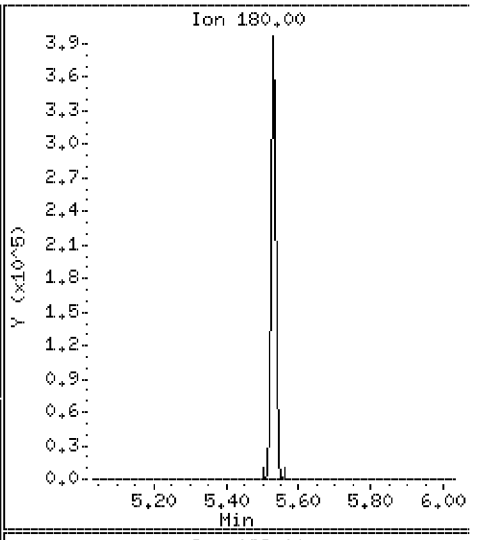
Column phase: HPMS-5

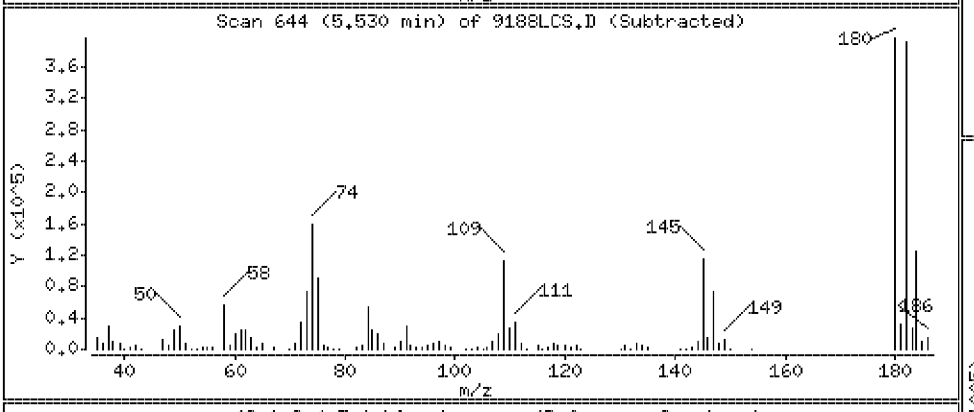
Column diameter: 0.25

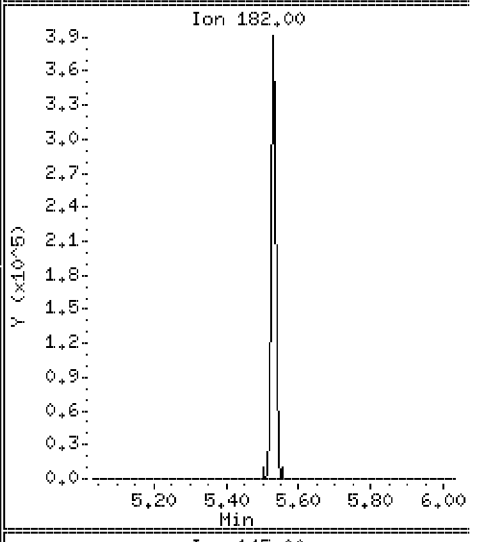
42 1,2,4-Trichlorobenzene

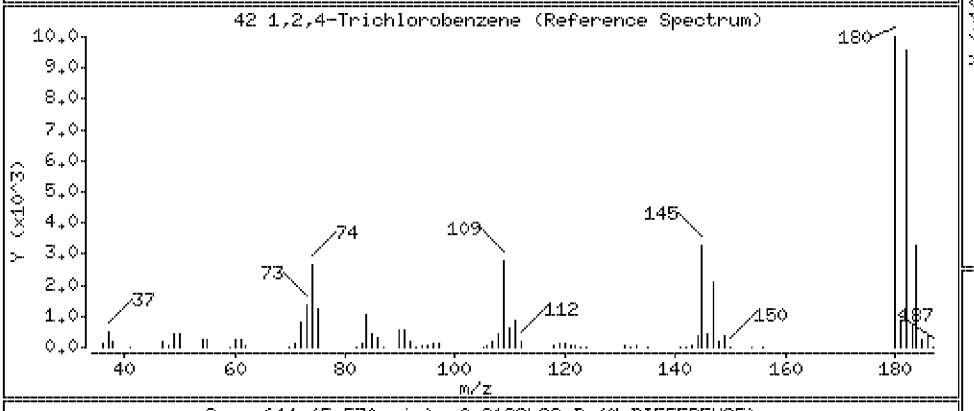
Concentration: 1770 ug/kg

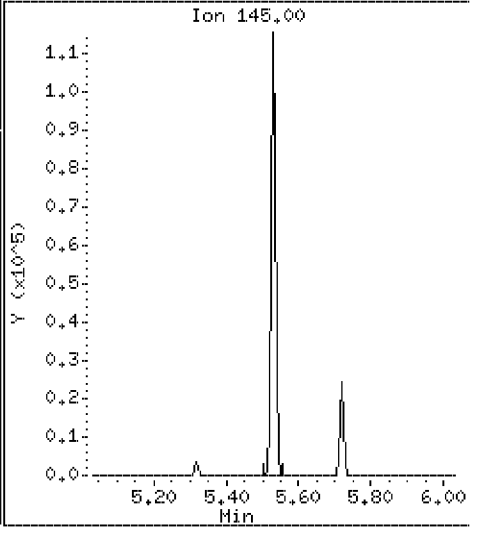


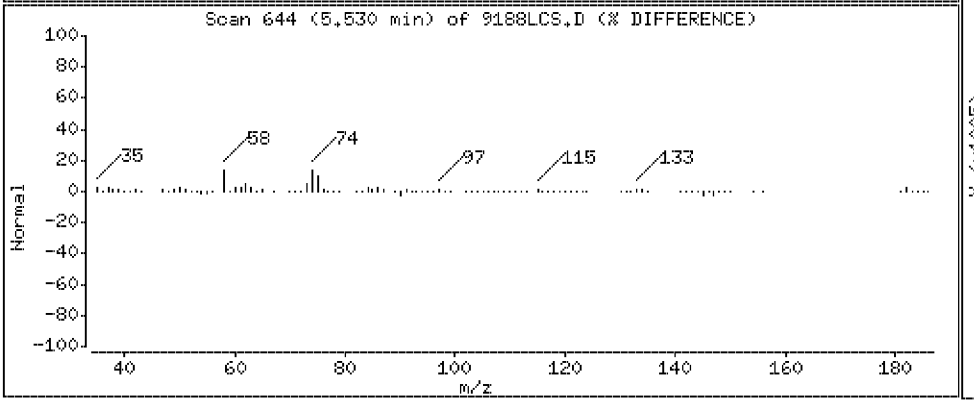












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

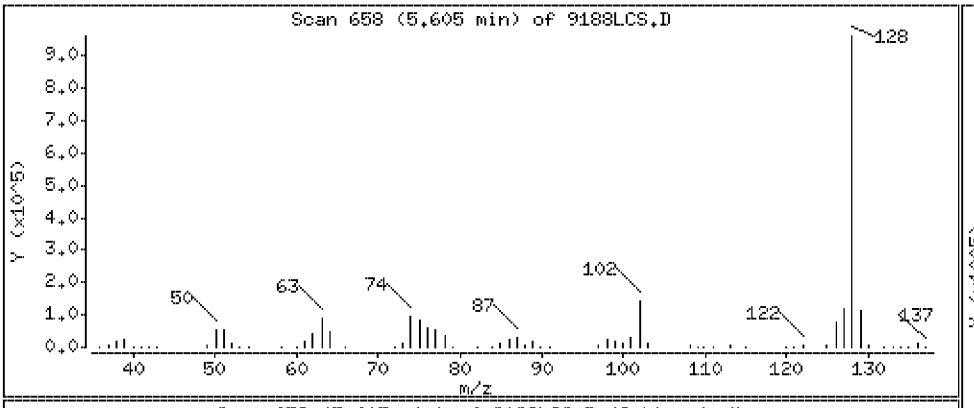
Operator: PEL

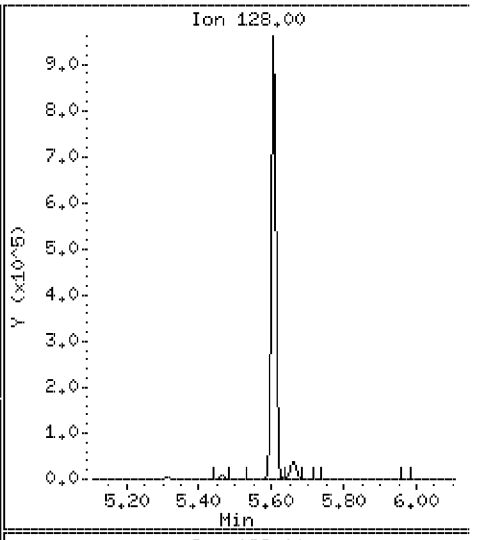
Column phase: HPMS-5

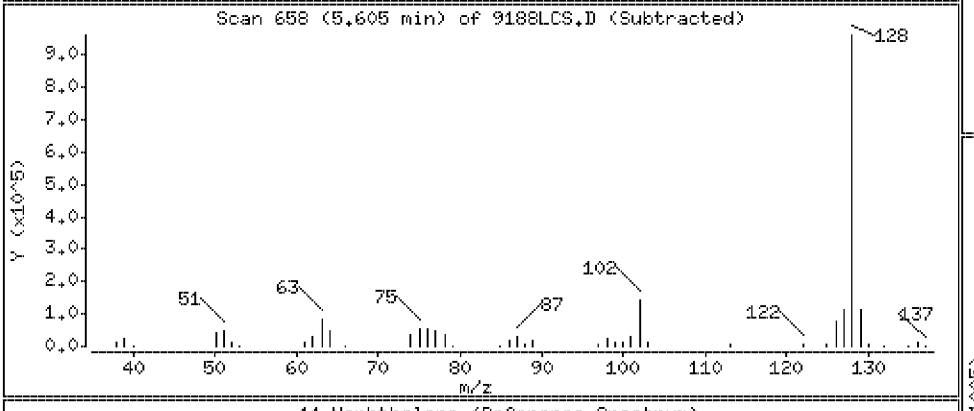
Column diameter: 0.25

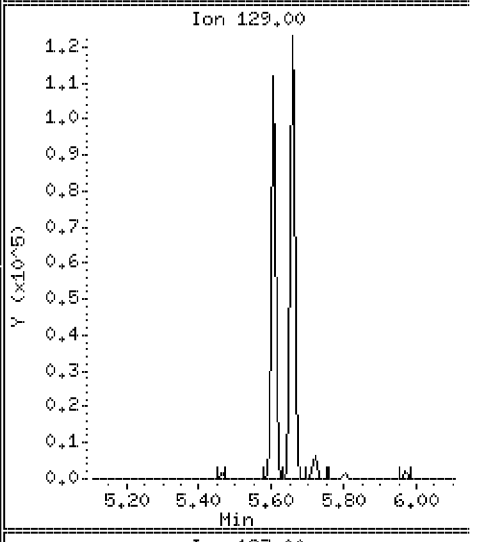
44 Naphthalene

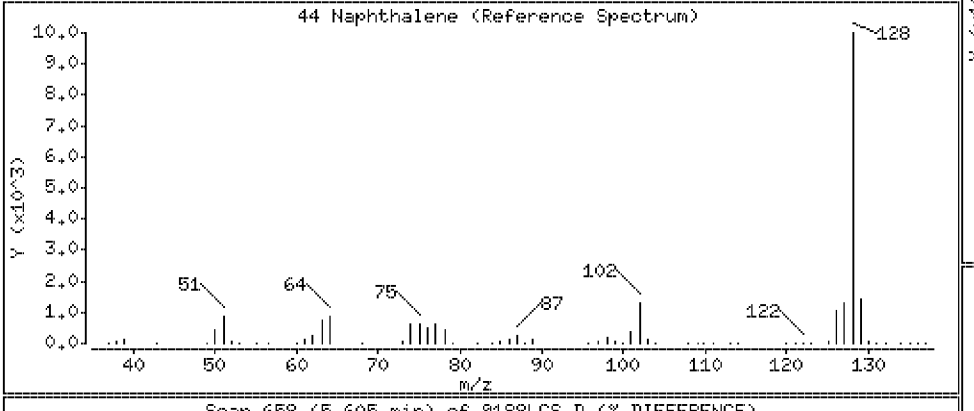
Concentration: 1830 ug/kg

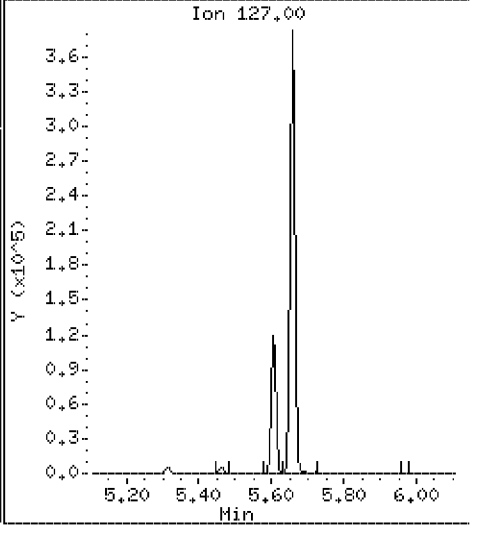


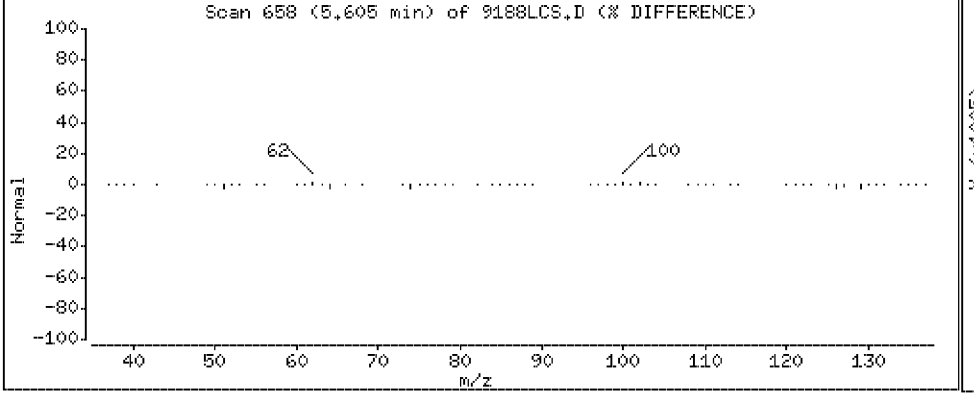












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

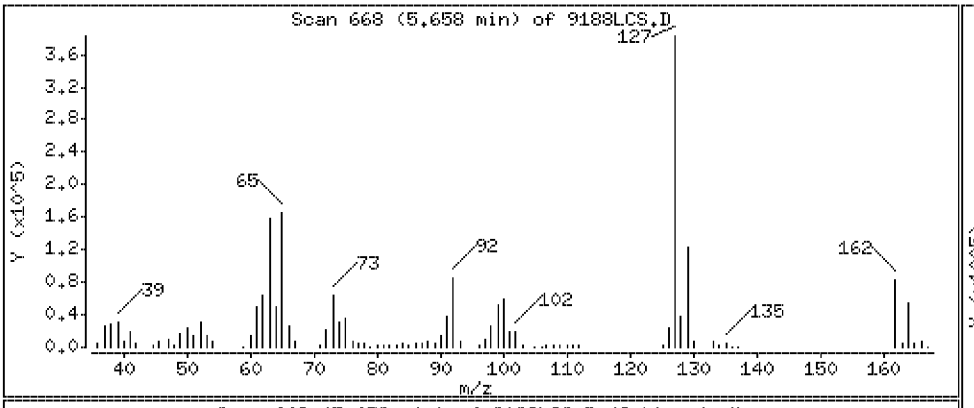
Operator: PEL

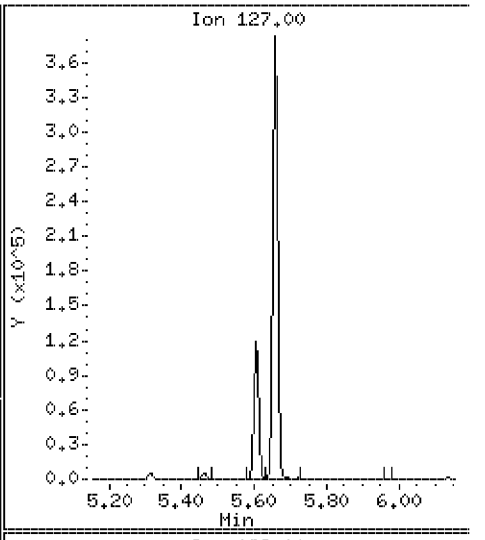
Column phase: HPMS-5

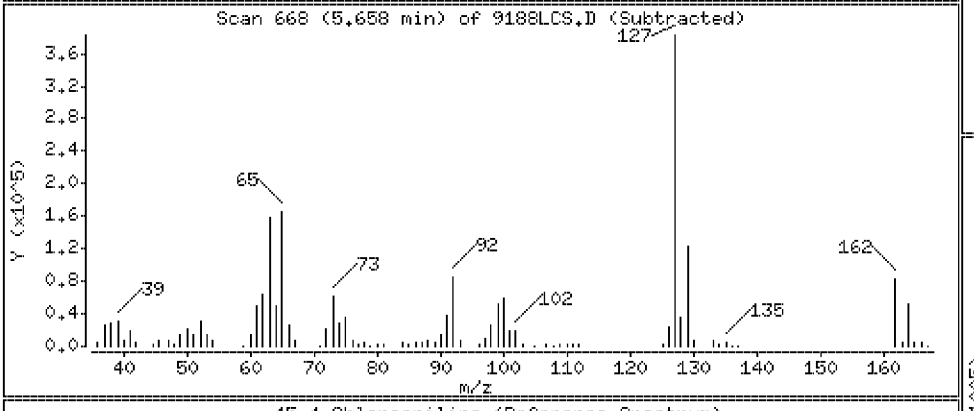
Column diameter: 0.25

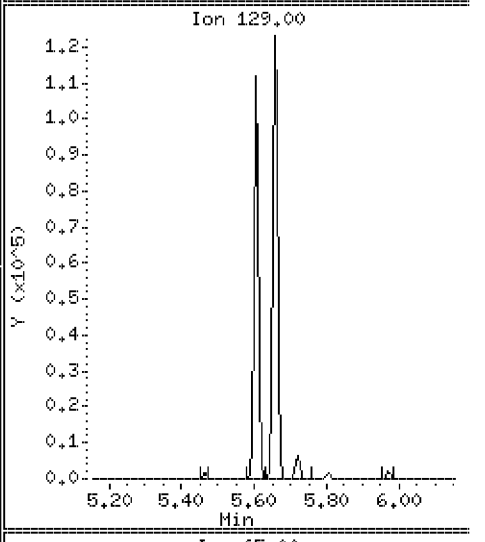
45 4-Chloroaniline

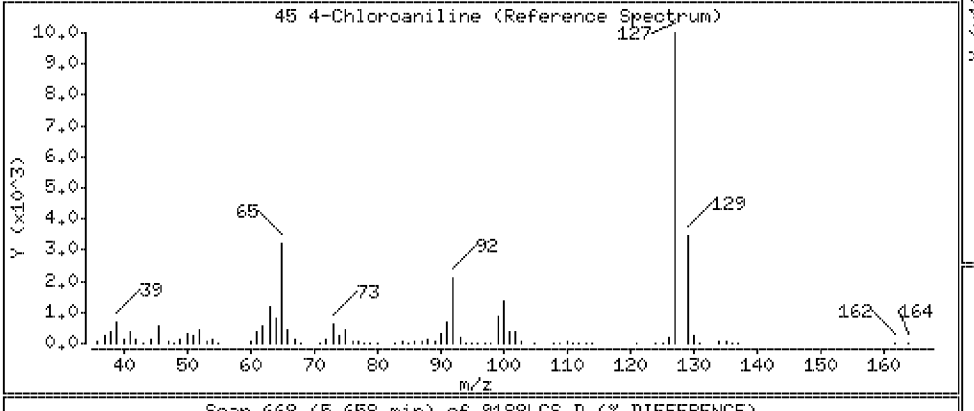
Concentration: 1840 ug/kg

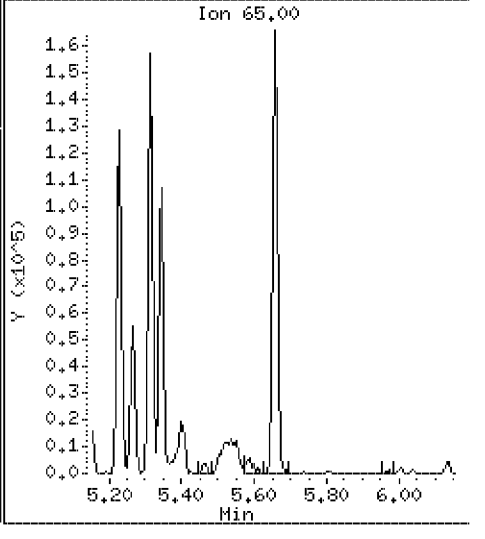


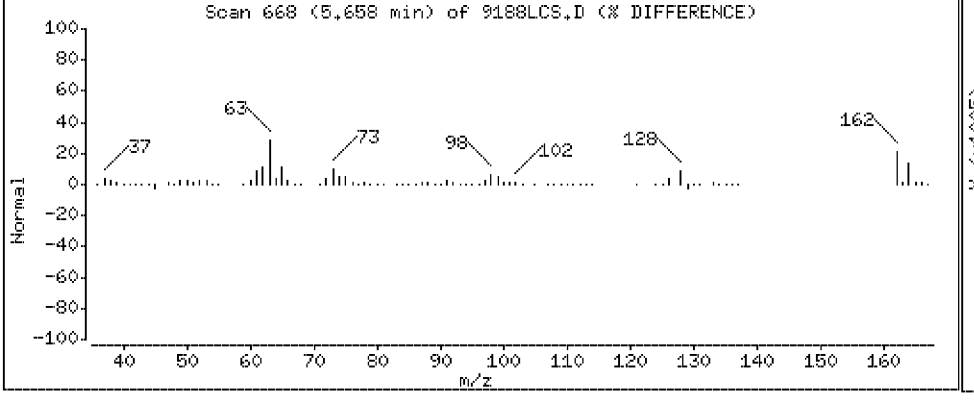












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

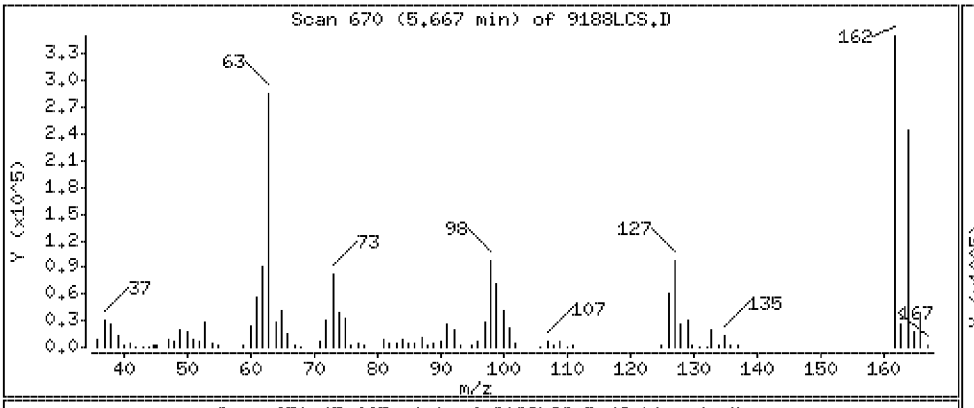
Operator: PEL

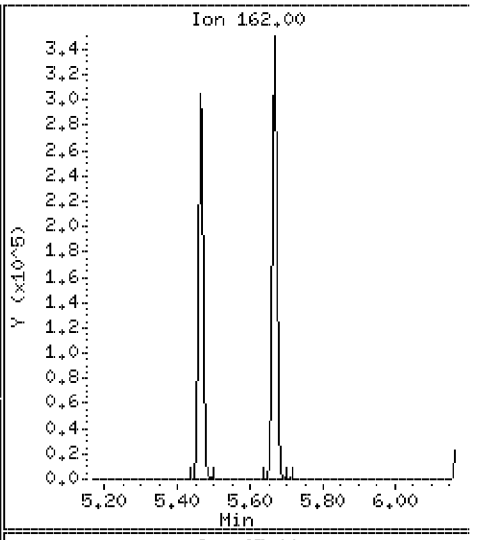
Column phase: HPMS-5

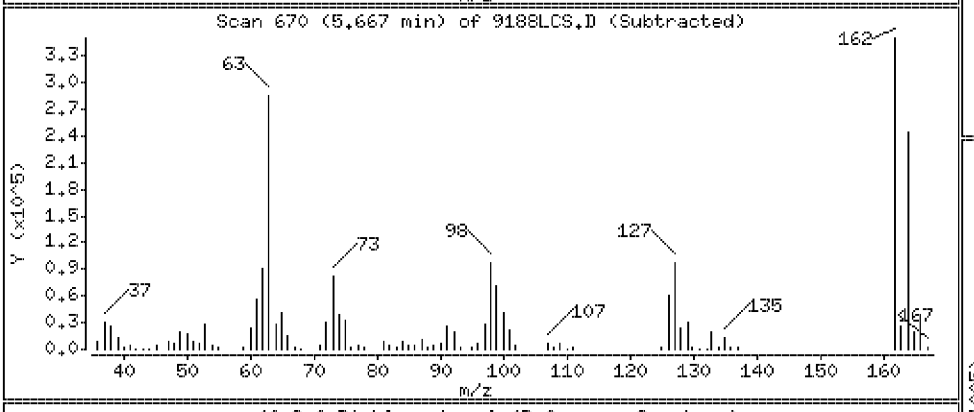
Column diameter: 0.25

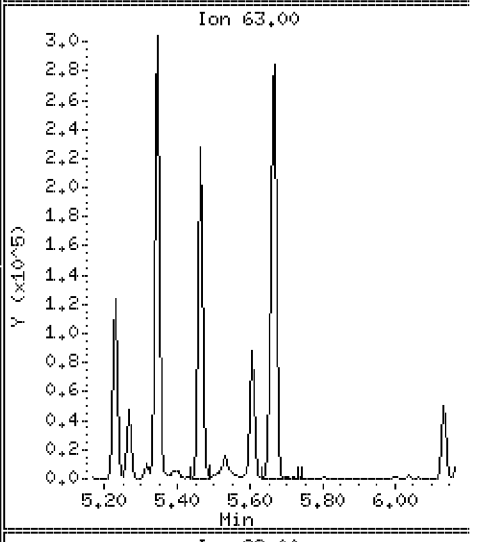
46 2,6-Dichlorophenol

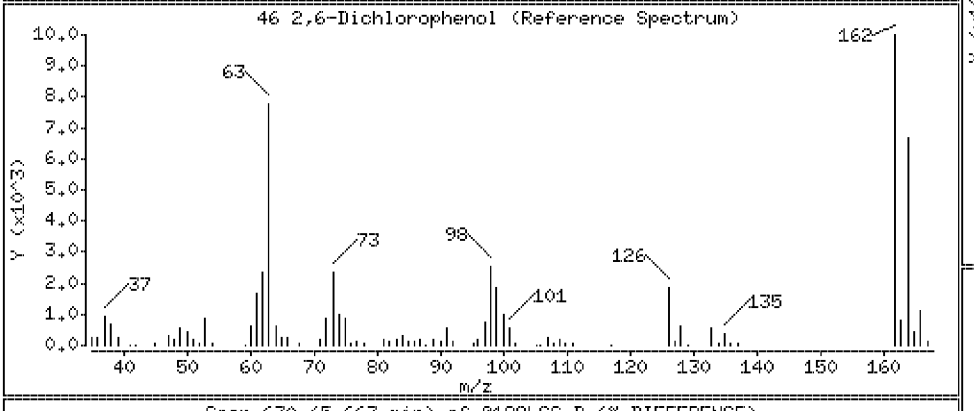
Concentration: 2040 ug/kg

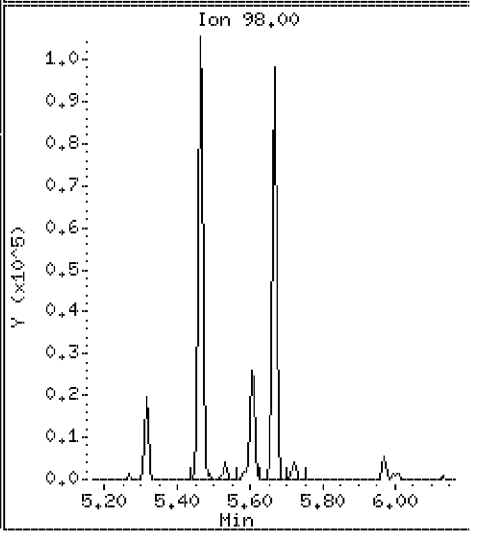


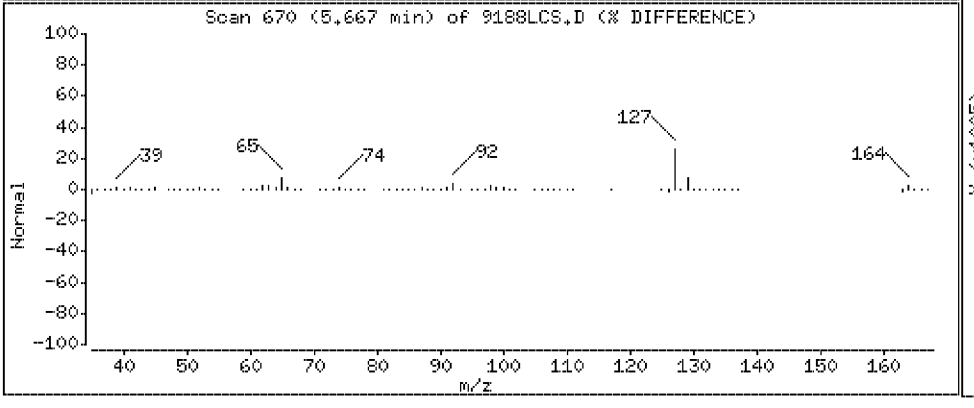












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

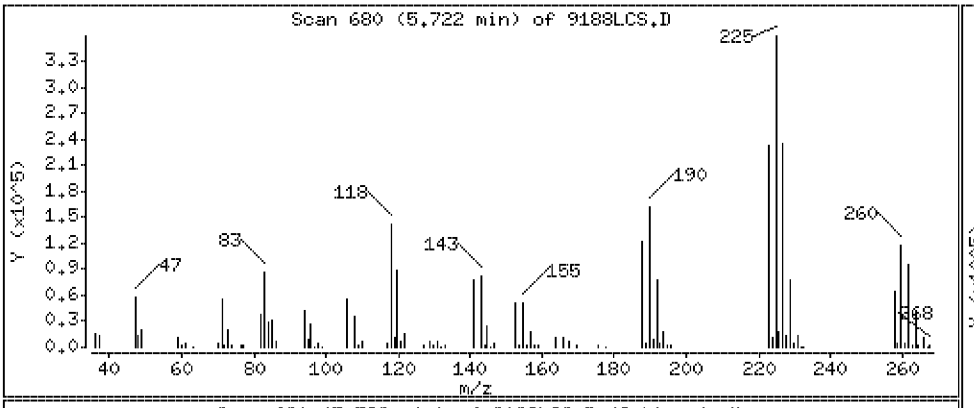
Operator: PEL

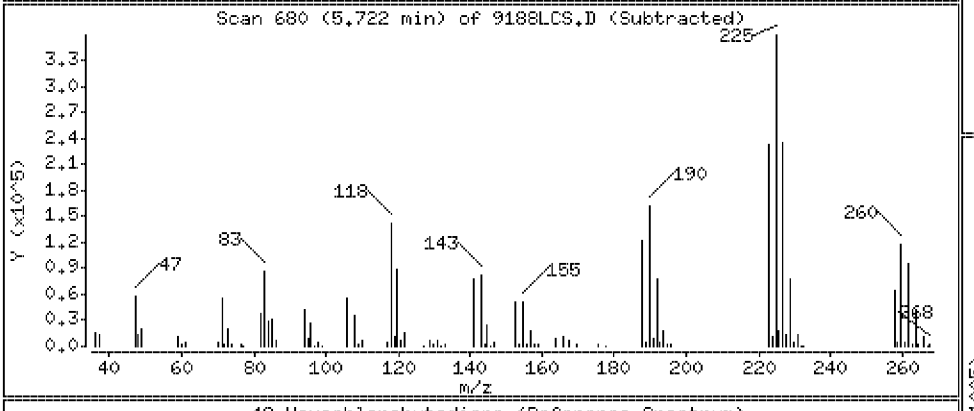
Column phase: HPMS-5

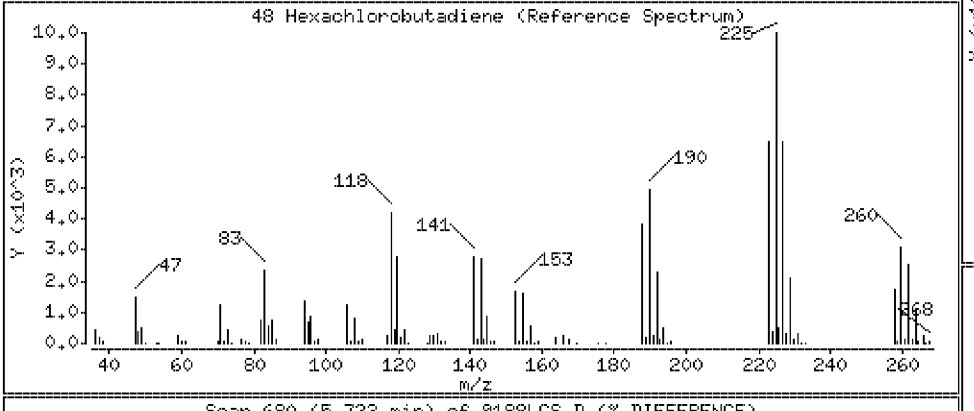
Column diameter: 0.25

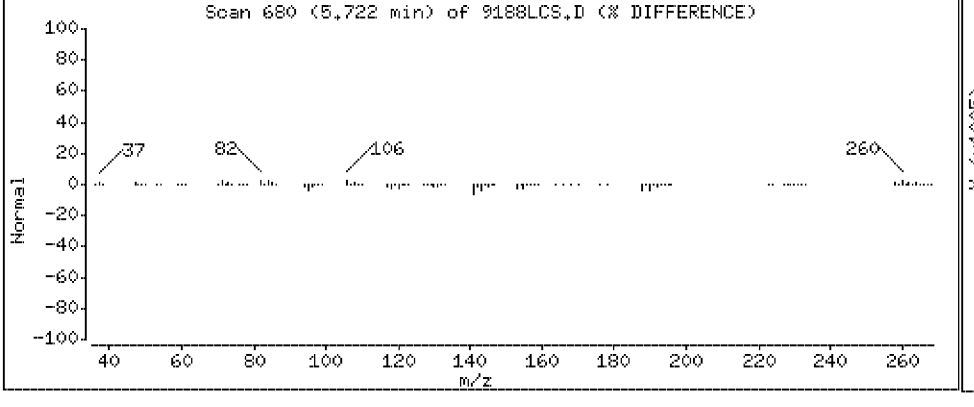
48 Hexachlorobutadiene

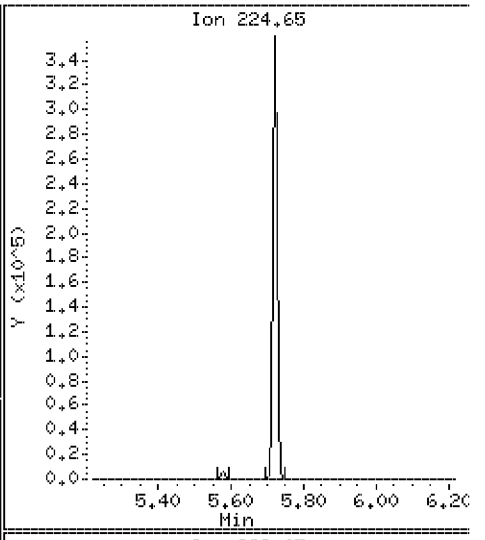
Concentration: 1910 ug/kg

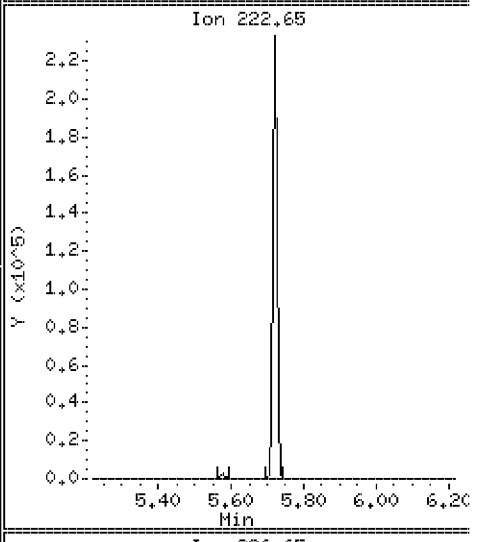


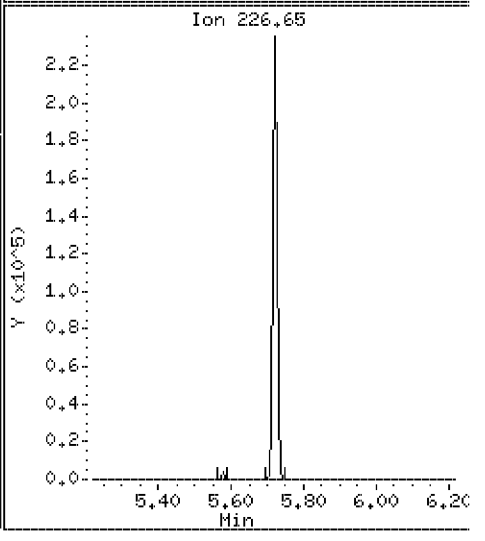












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

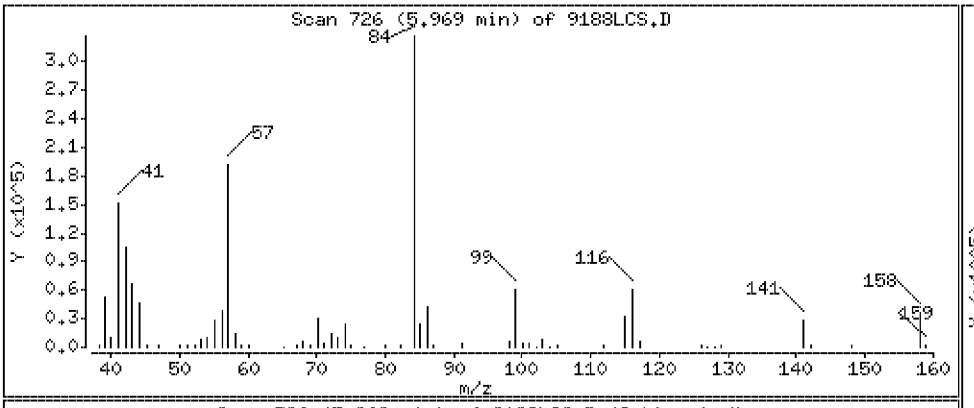
Operator: PEL

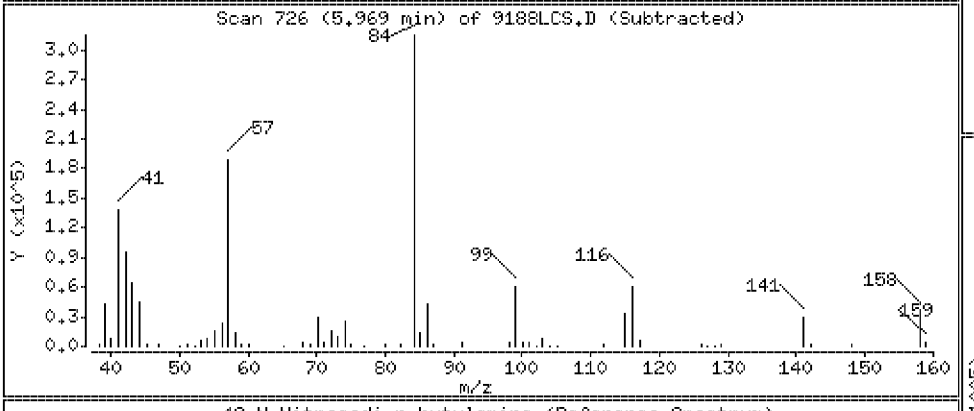
Column phase: HPMS-5

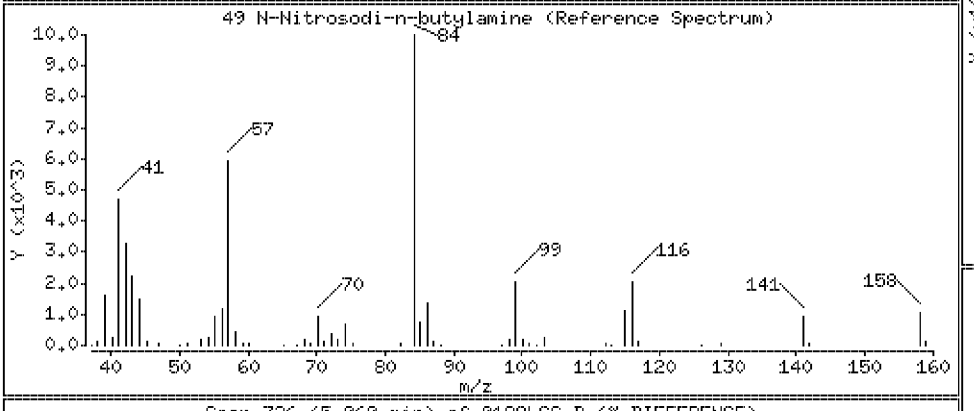
Column diameter: 0.25

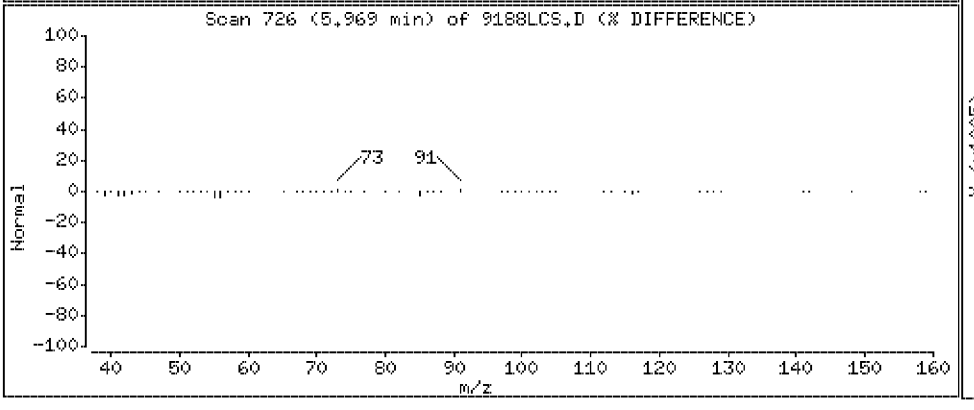
49 N-Nitrosodi-n-butylamine

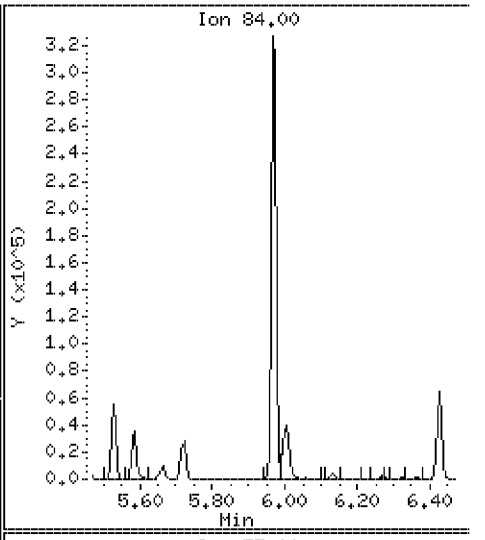
Concentration: 2000 ug/kg

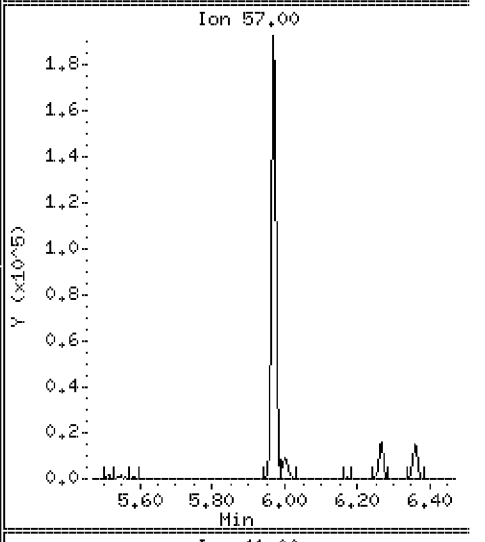


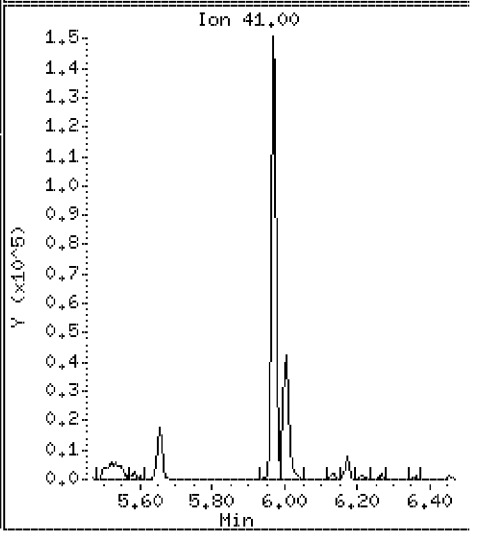












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

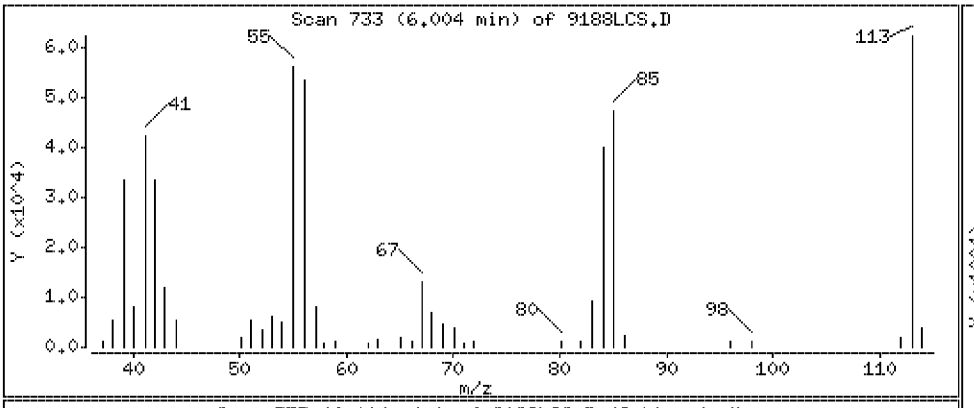
Operator: PEL

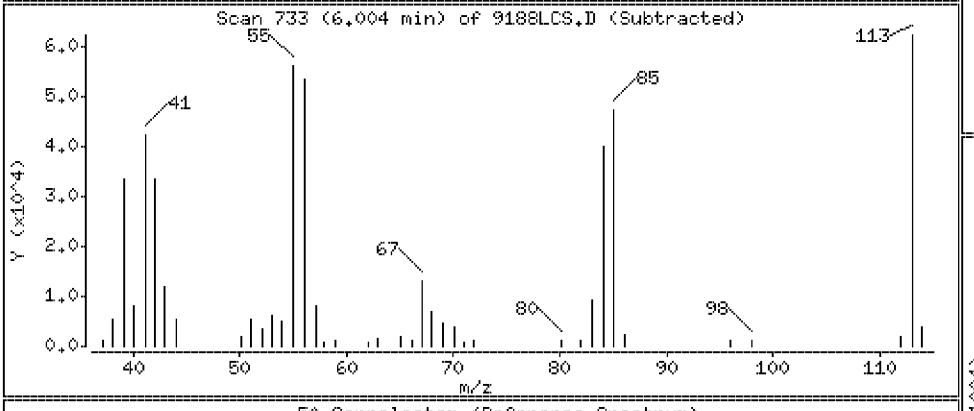
Column phase: HPMS-5

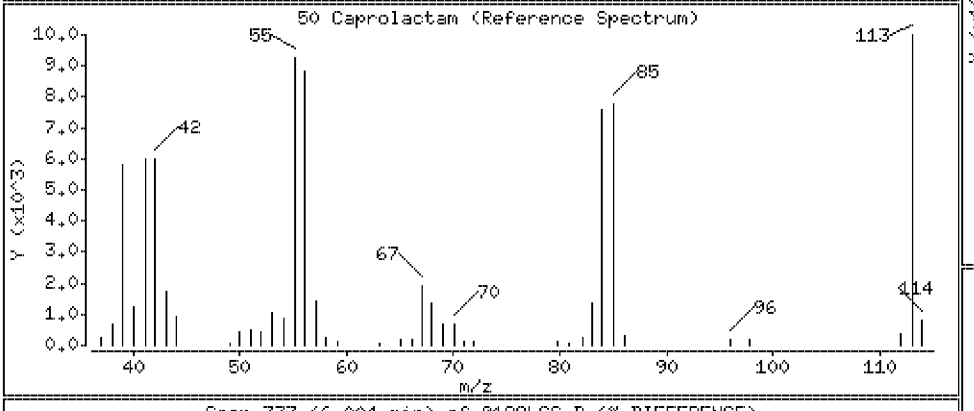
Column diameter: 0.25

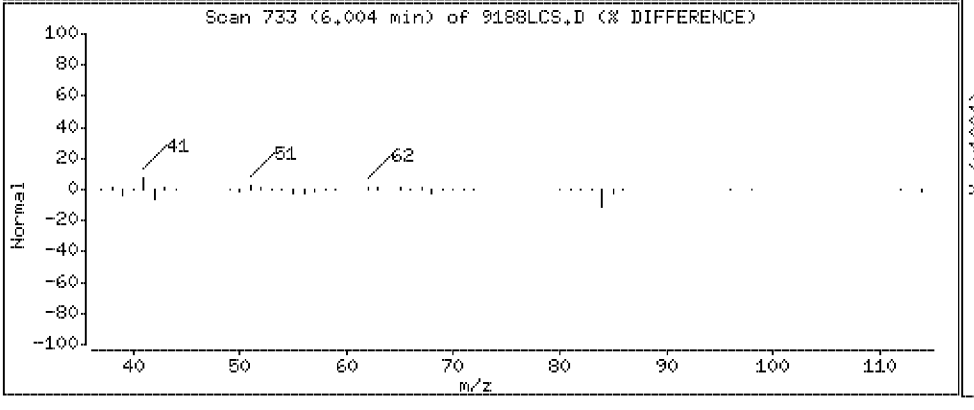
50 Caprolactam

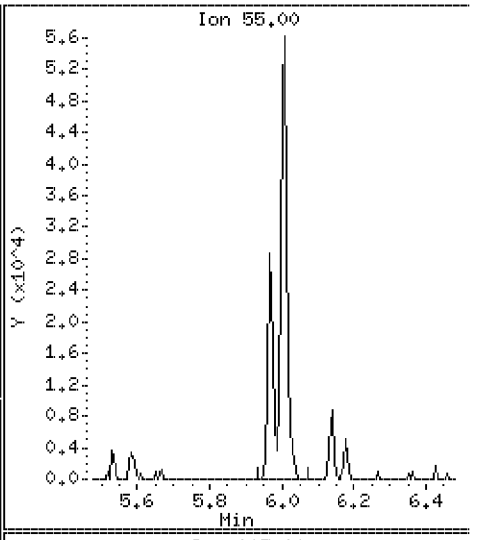
Concentration: 1780 ug/kg

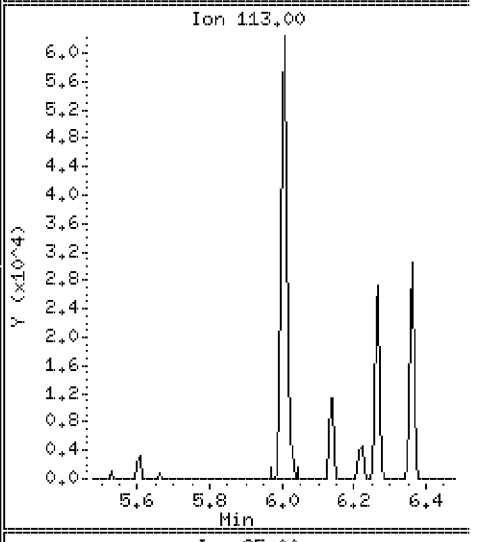


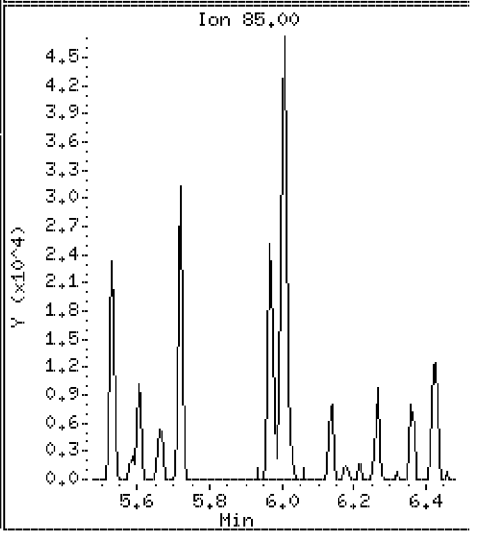












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

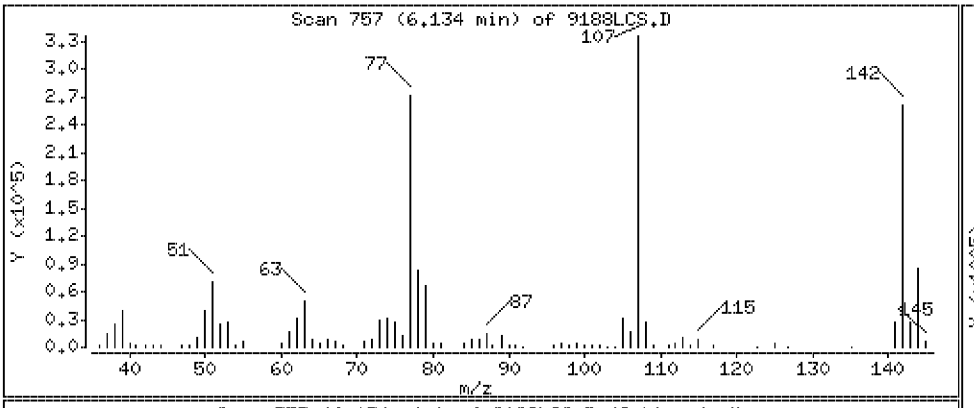
Operator: PEL

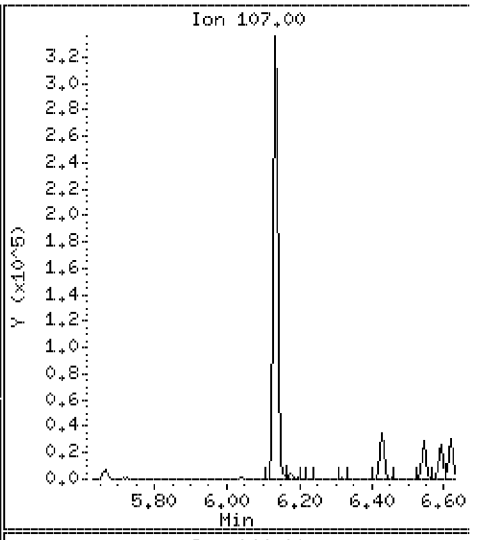
Column phase: HPMS-5

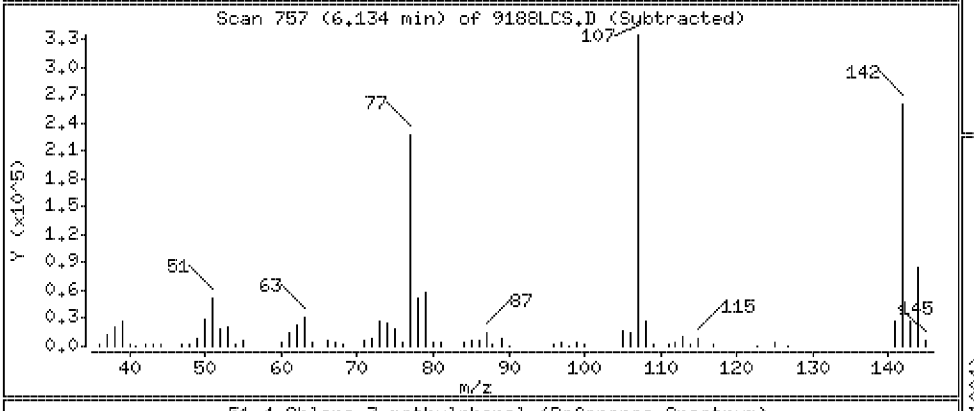
Column diameter: 0.25

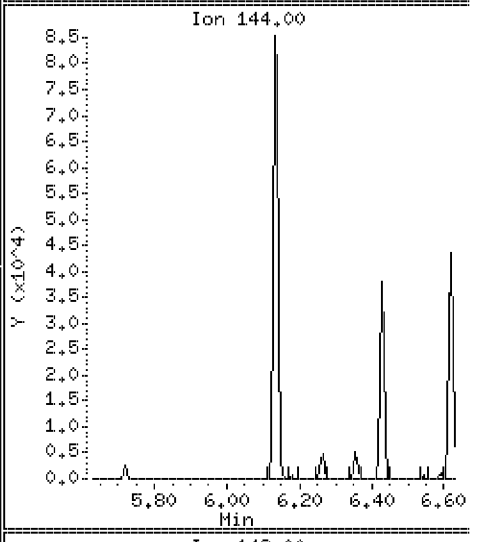
51 4-Chloro-3-methylphenol

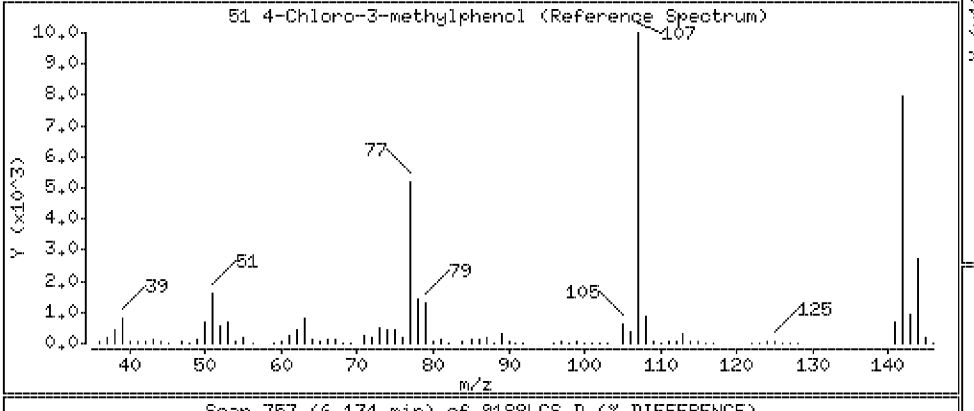
Concentration: 1880 ug/kg

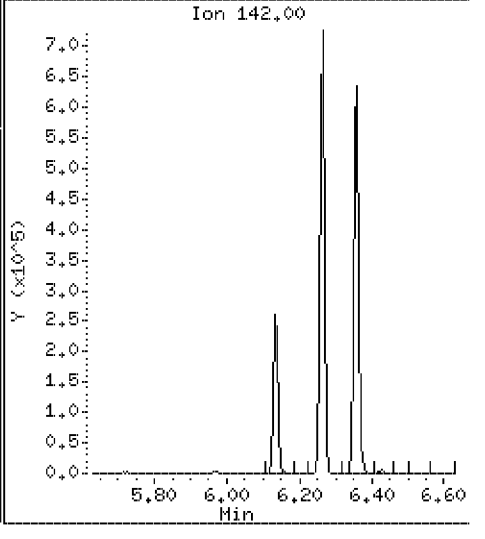


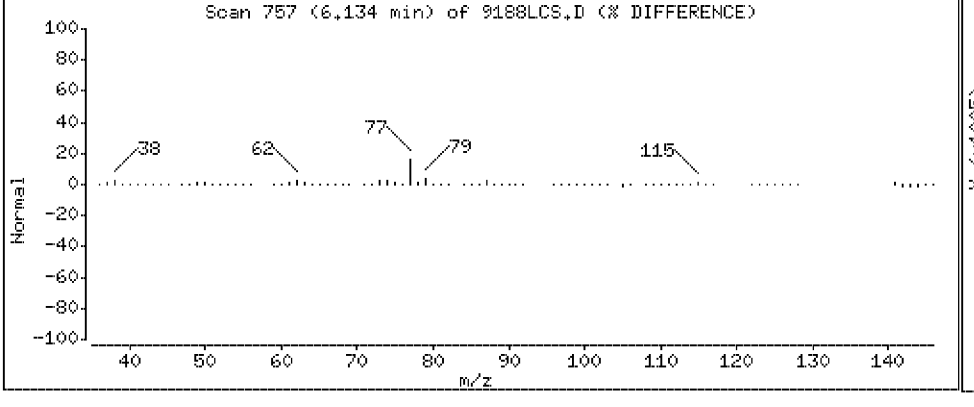












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

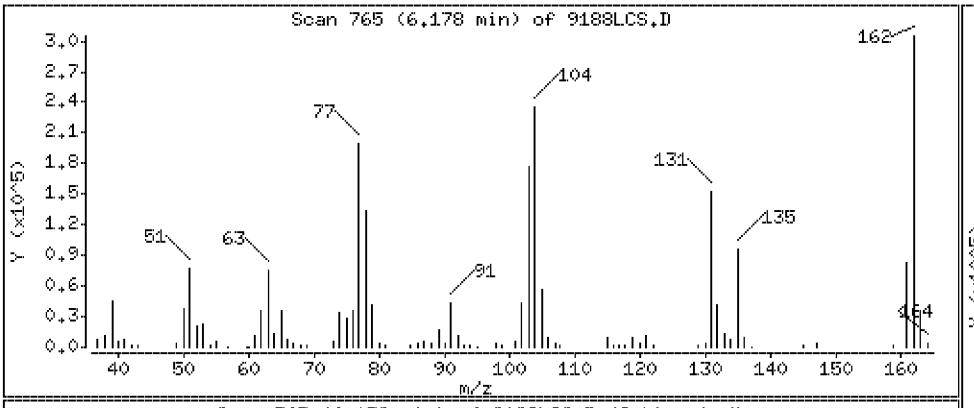
Operator: PEL

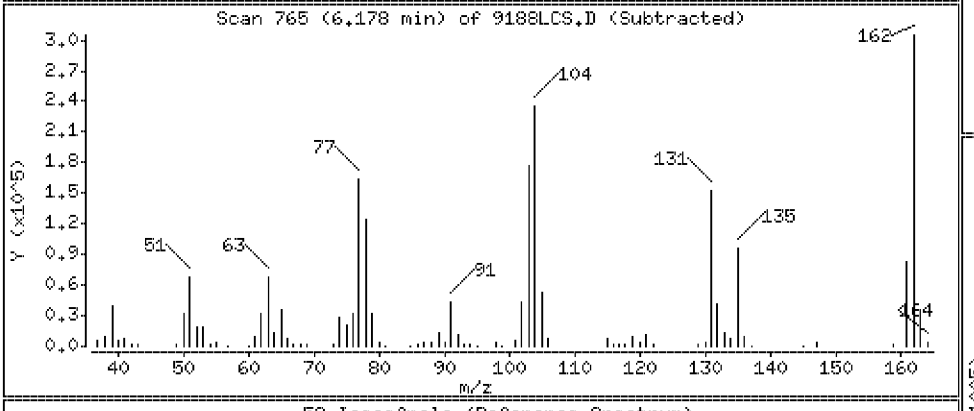
Column phase: HPMS-5

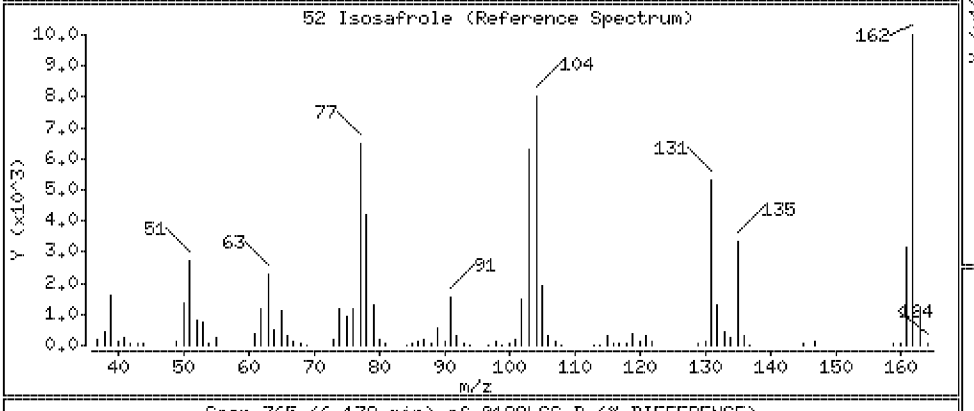
Column diameter: 0.25

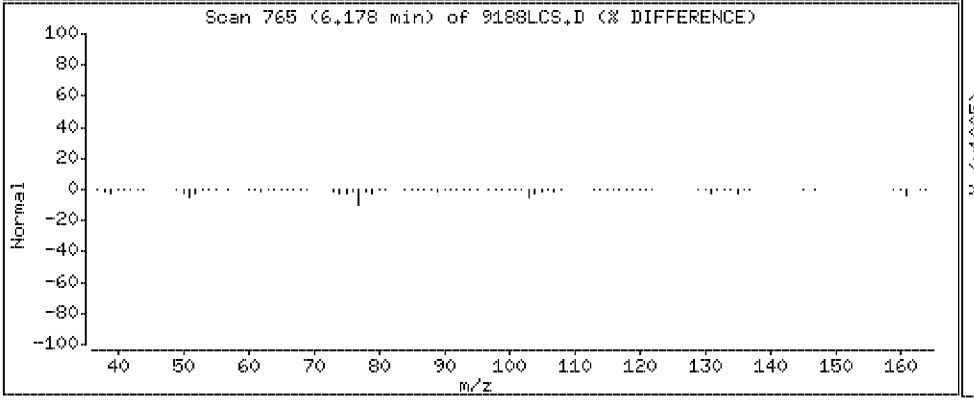
52 Isosafrole

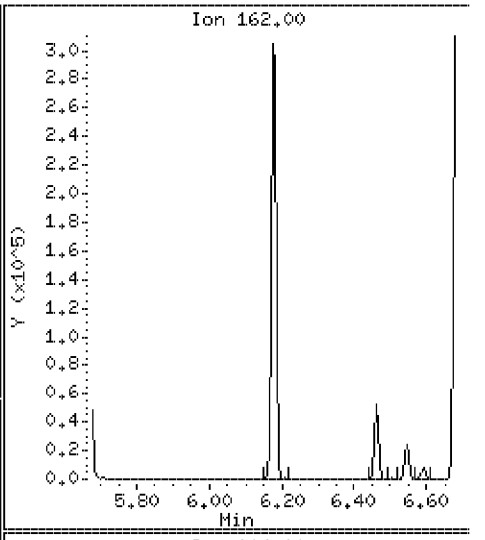
Concentration: 1860 ug/kg

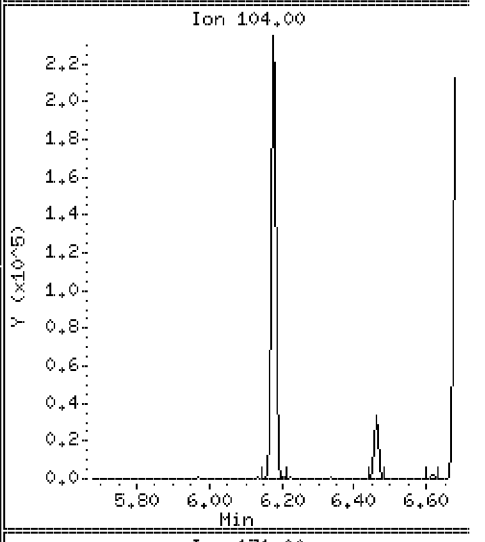


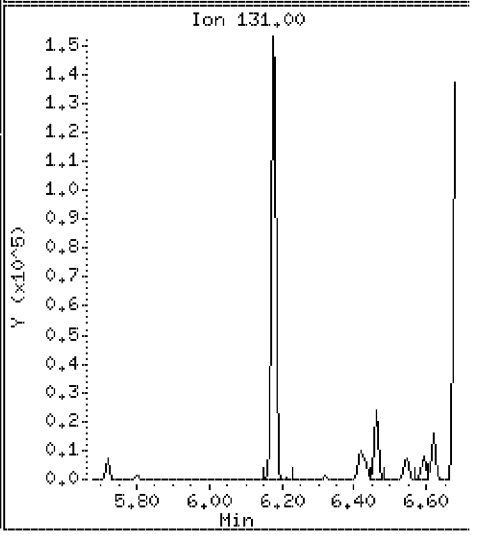












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

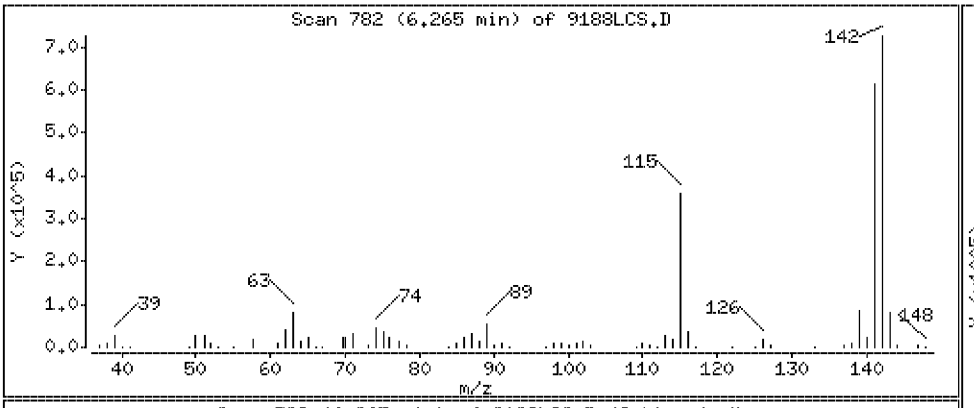
Operator: PEL

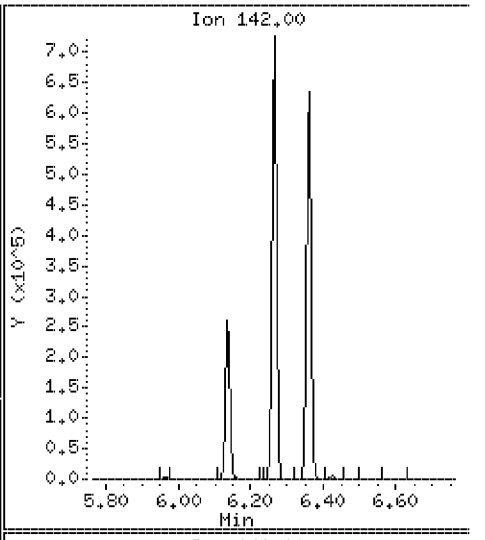
Column phase: HPMS-5

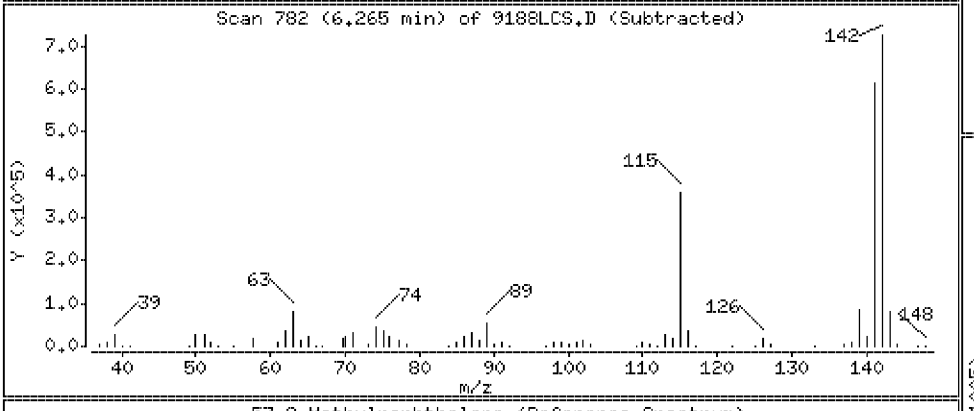
Column diameter: 0.25

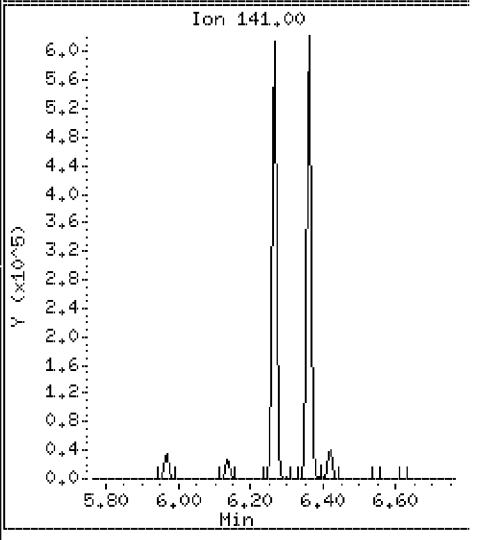
53 2-Methylnaphthalene

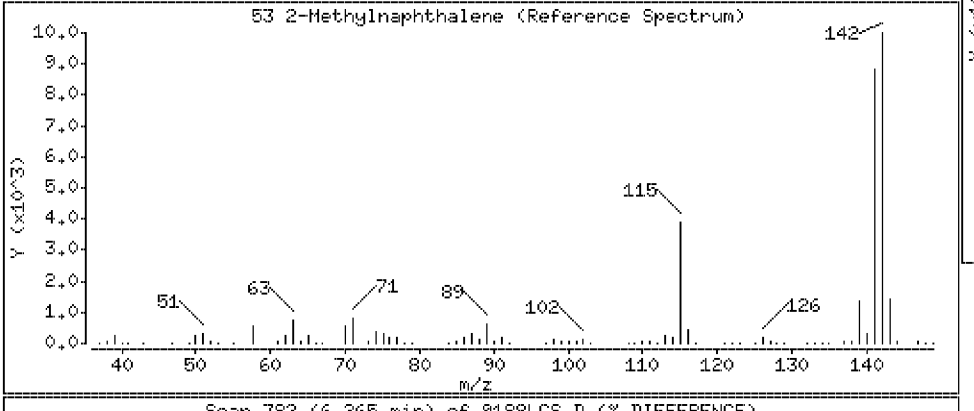
Concentration: 1820 ug/kg

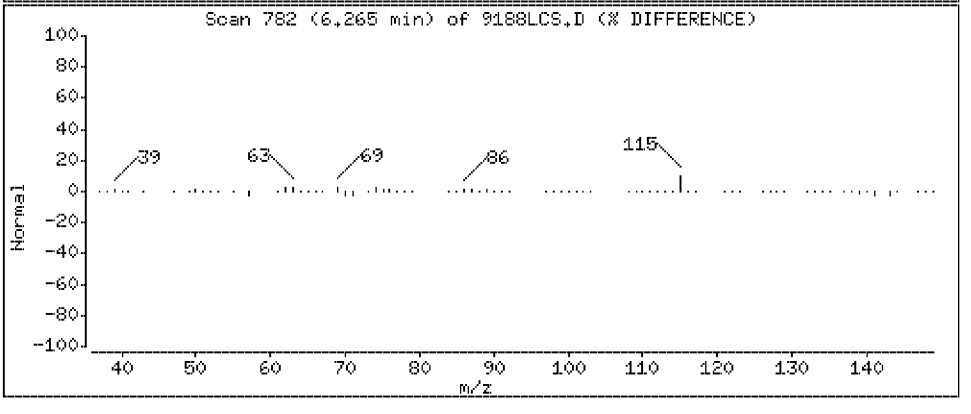












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

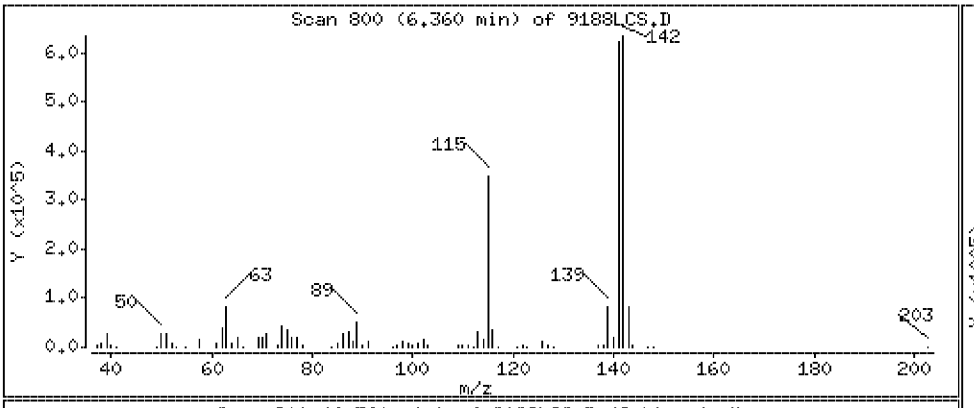
Operator: PEL

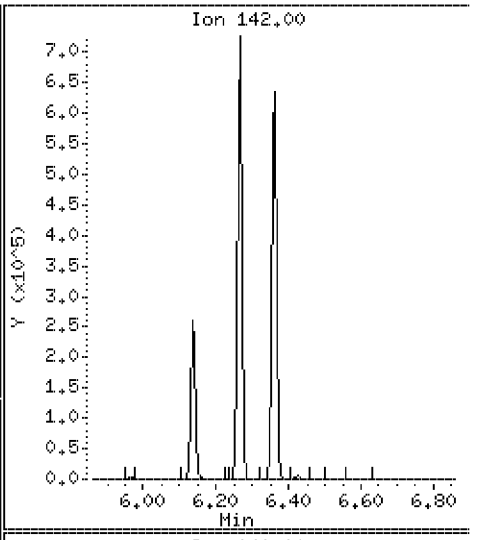
Column phase: HPMS-5

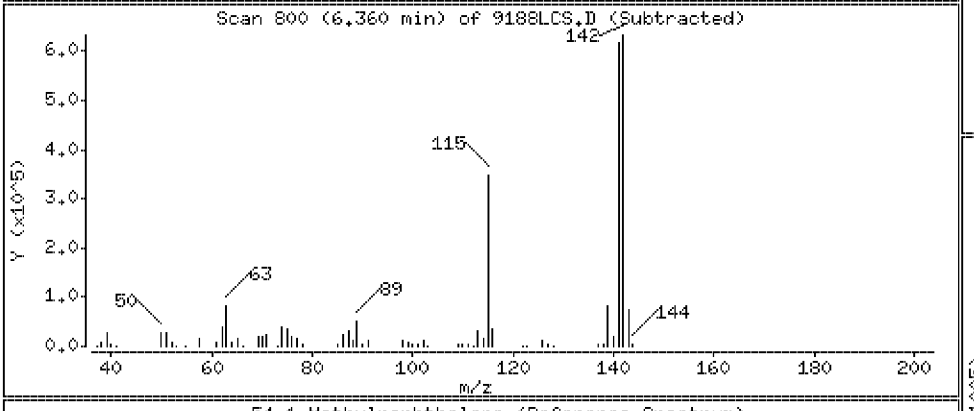
Column diameter: 0.25

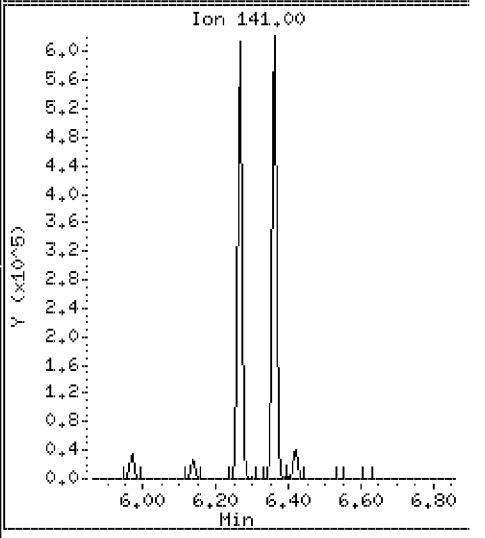
54 1-Methylnaphthalene

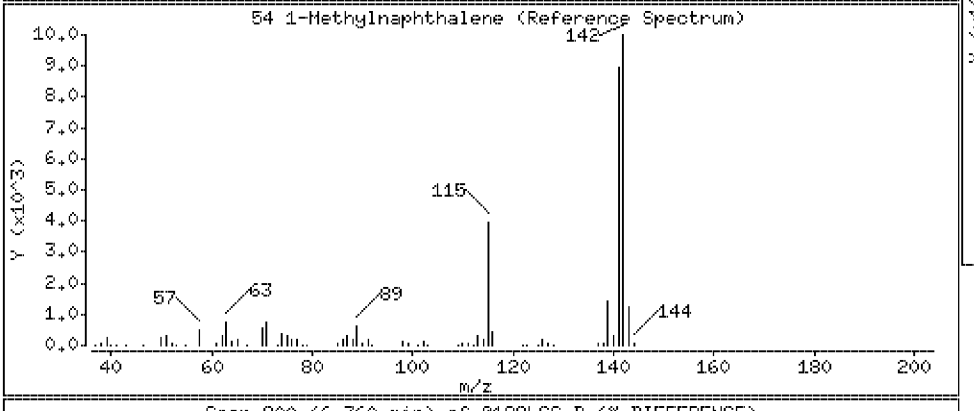
Concentration: 1870 ug/kg

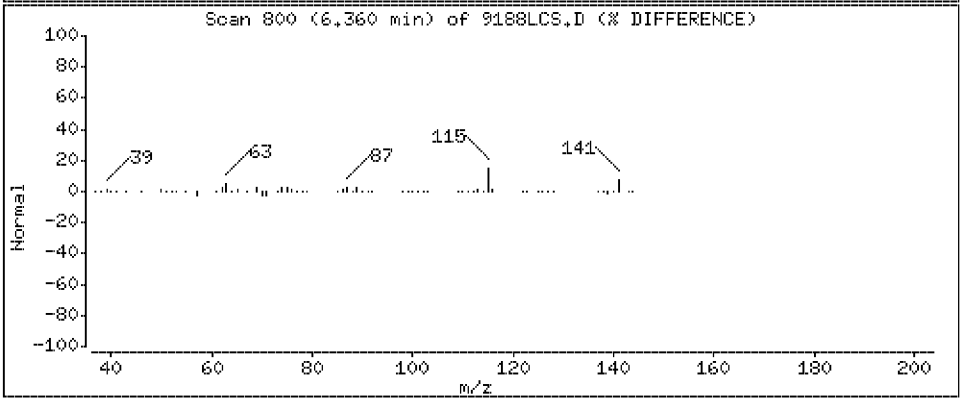












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

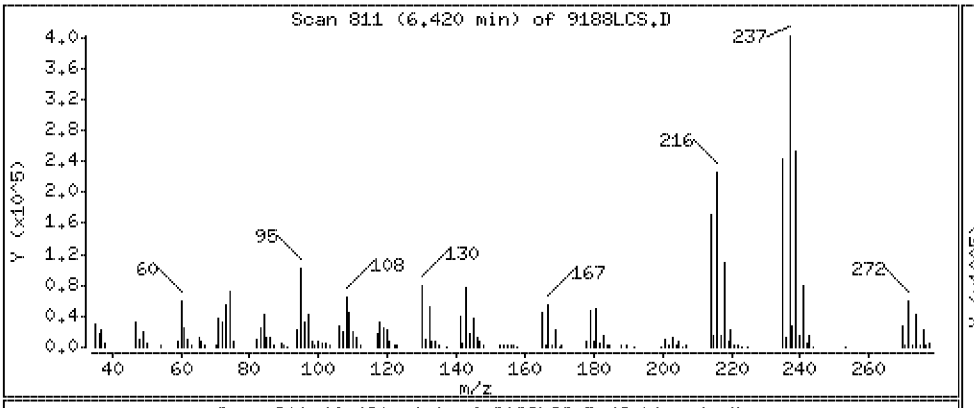
Operator: PEL

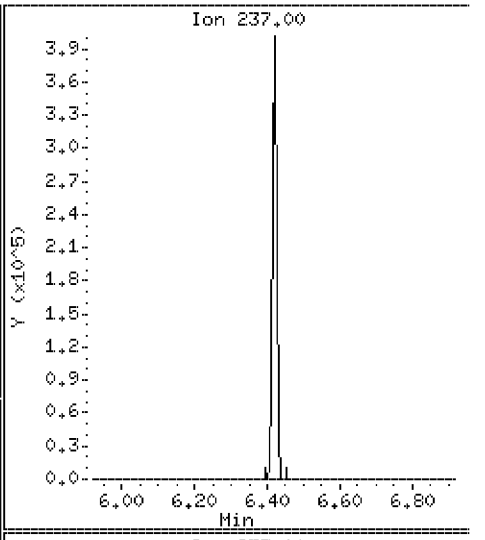
Column phase: HPMS-5

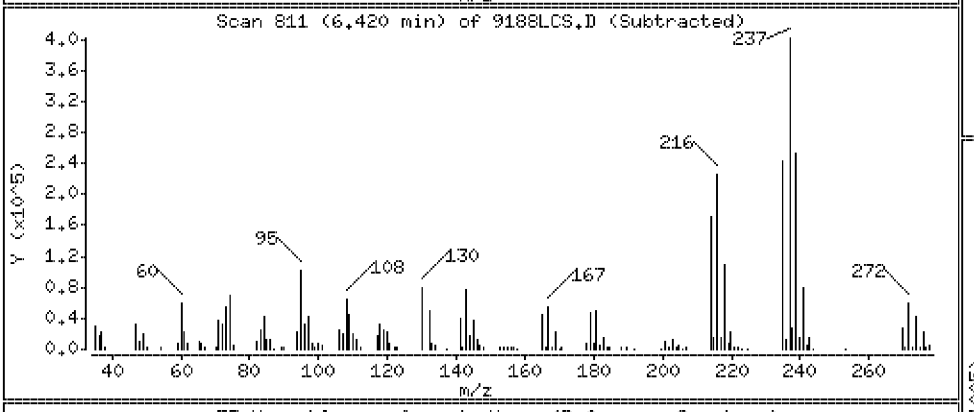
Column diameter: 0.25

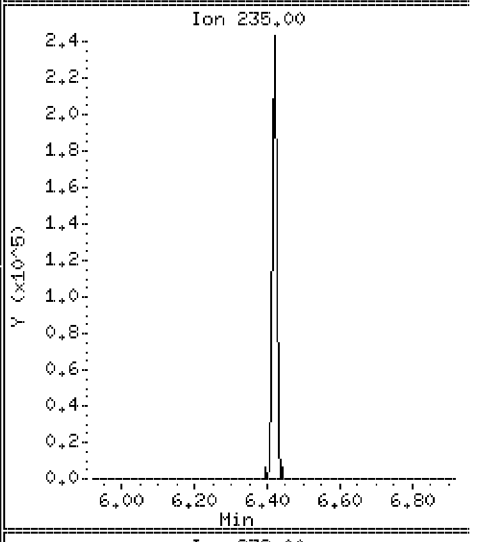
55 Hexachlorocyclopentadiene

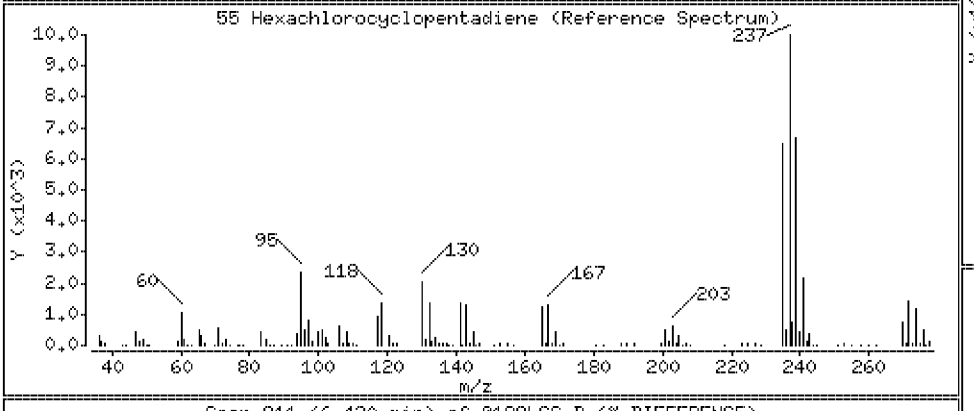
Concentration: 1580 ug/kg

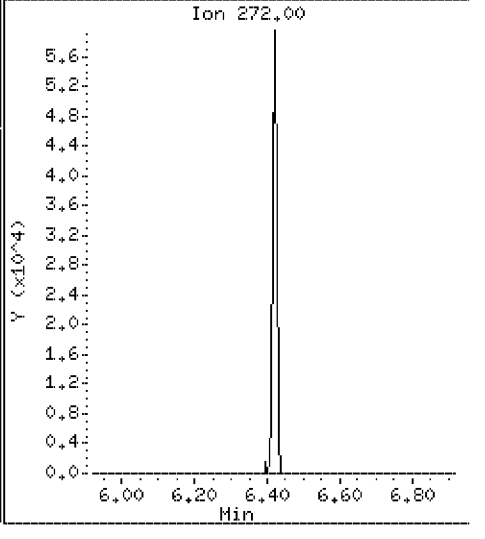


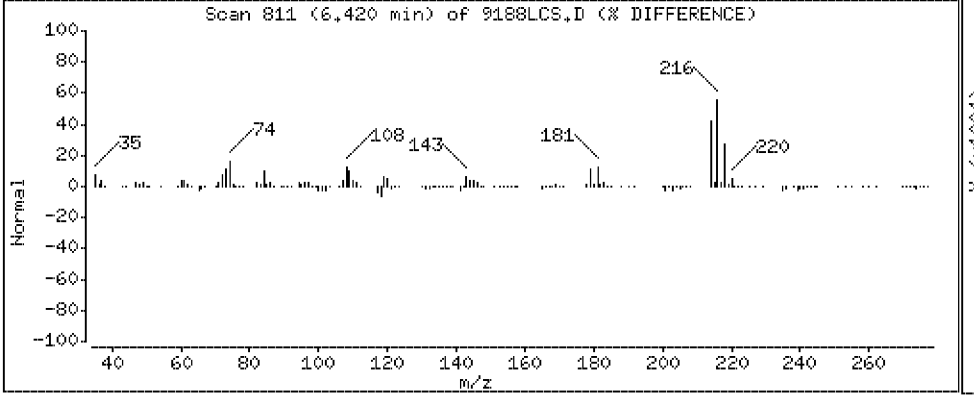












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

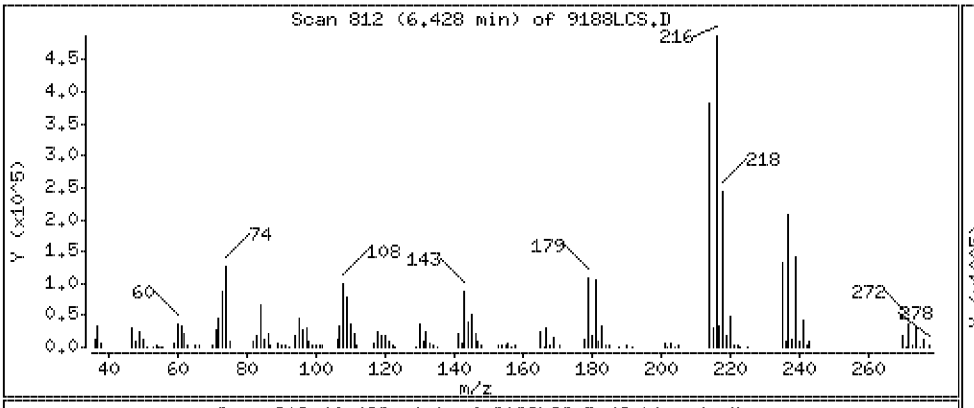
Operator: PEL

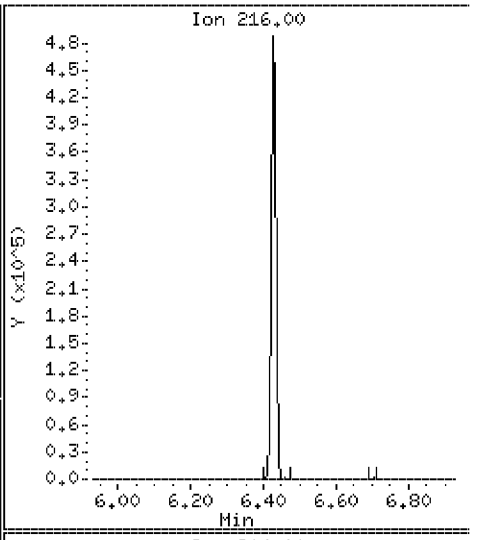
Column phase: HPMS-5

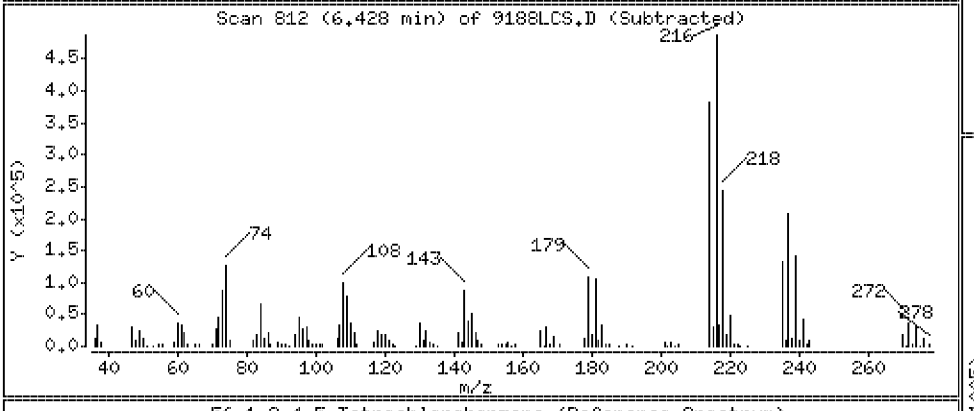
Column diameter: 0.25

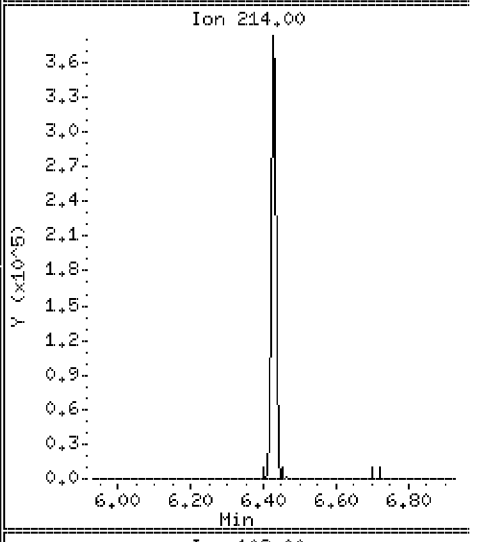
56 1,2,4,5-Tetrachlorobenzene

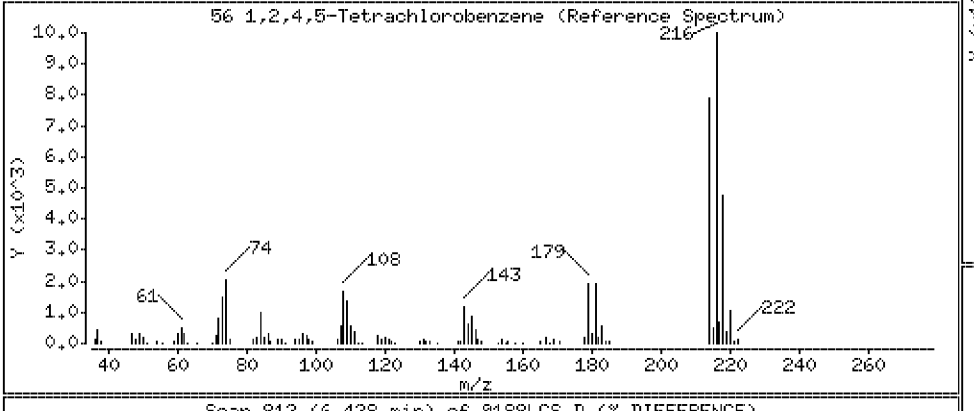
Concentration: 1750 ug/kg

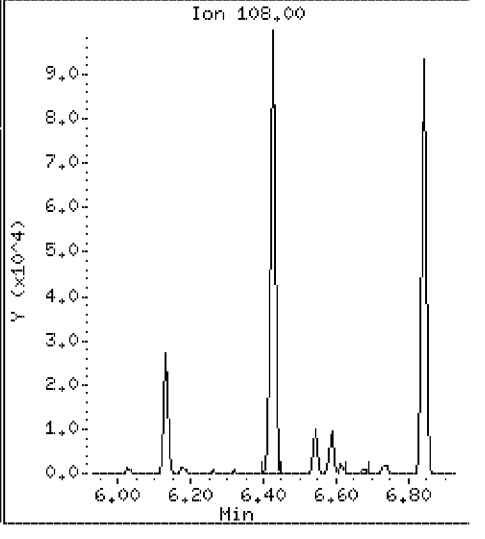


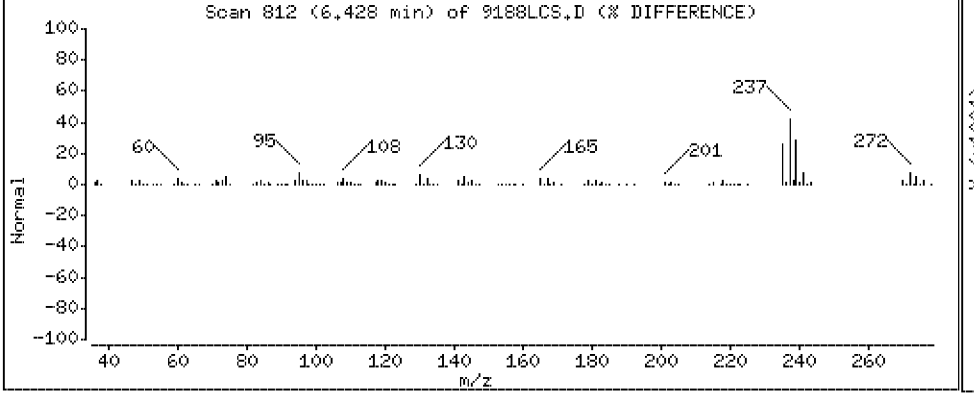












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

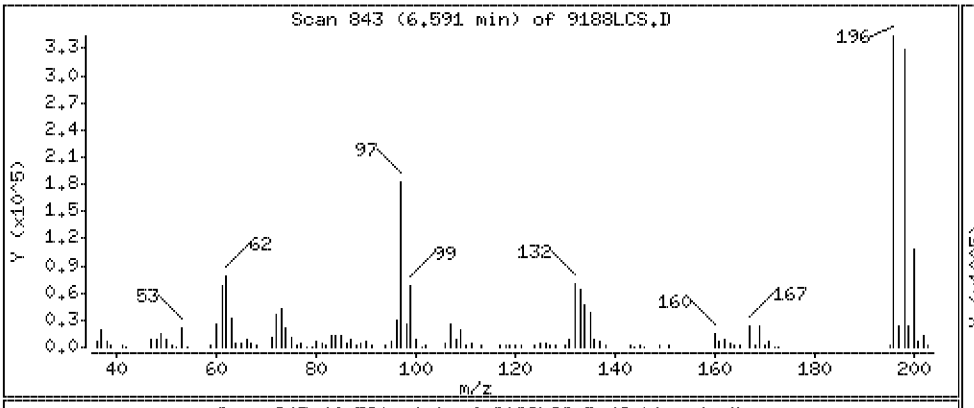
Operator: PEL

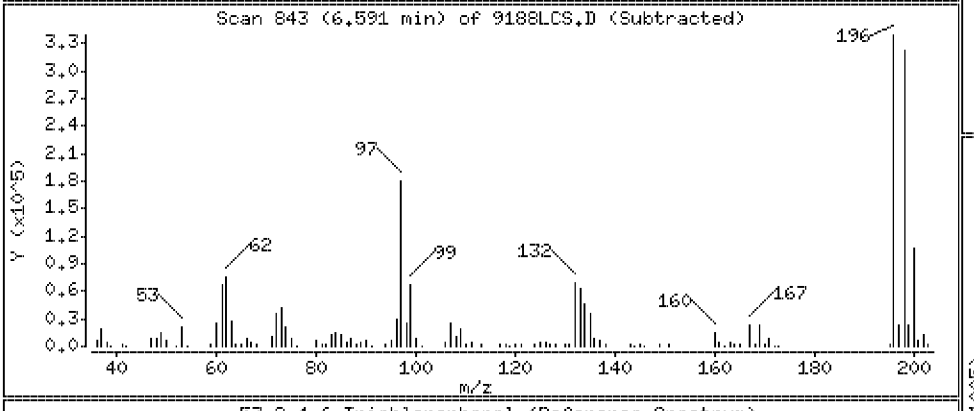
Column phase: HPMS-5

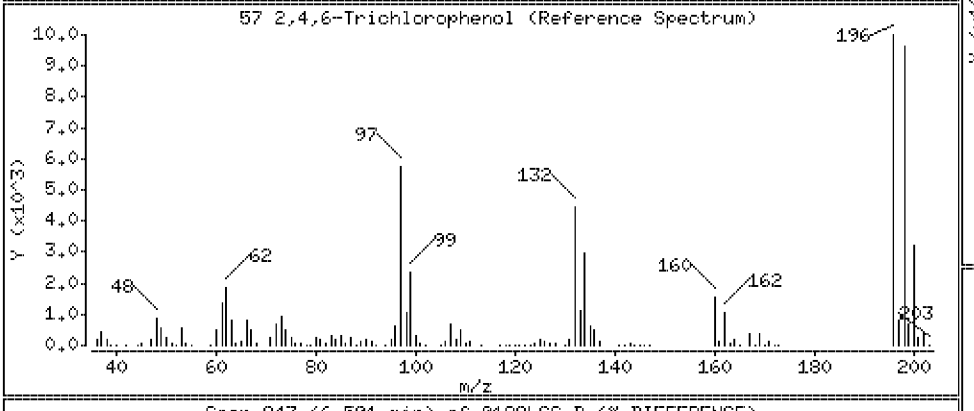
Column diameter: 0.25

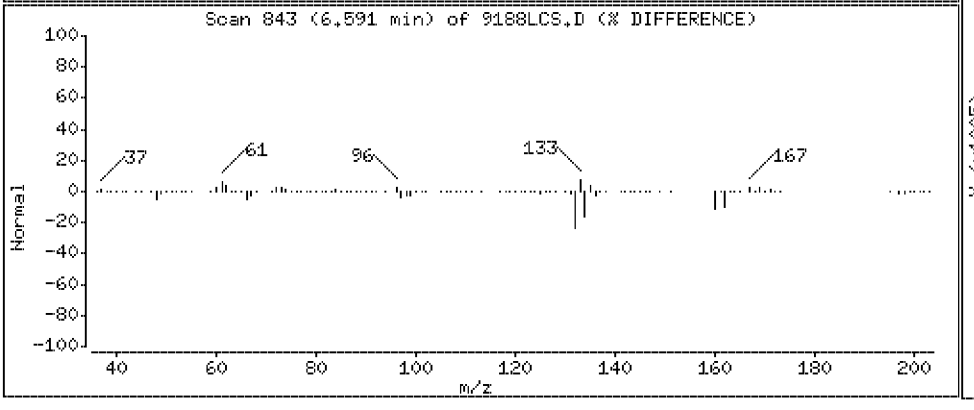
57 2,4,6-Trichlorophenol

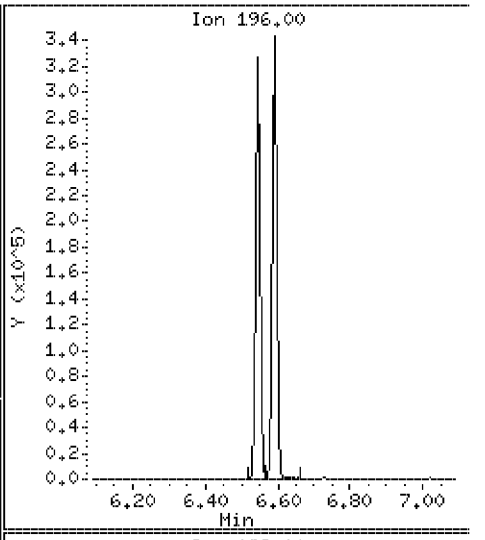
Concentration: 1800 ug/kg

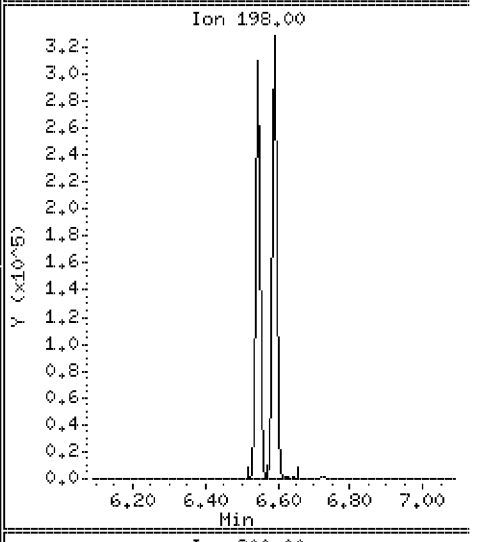


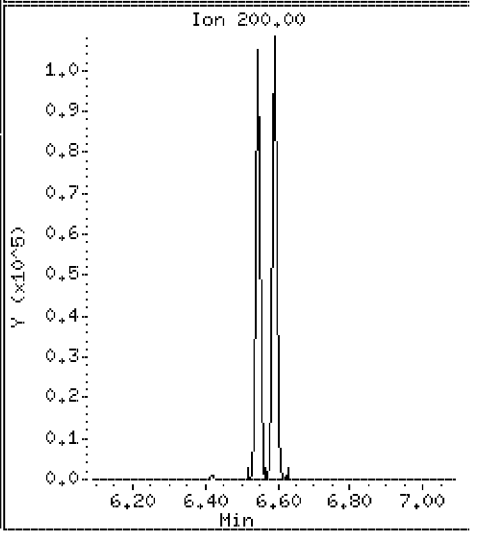












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

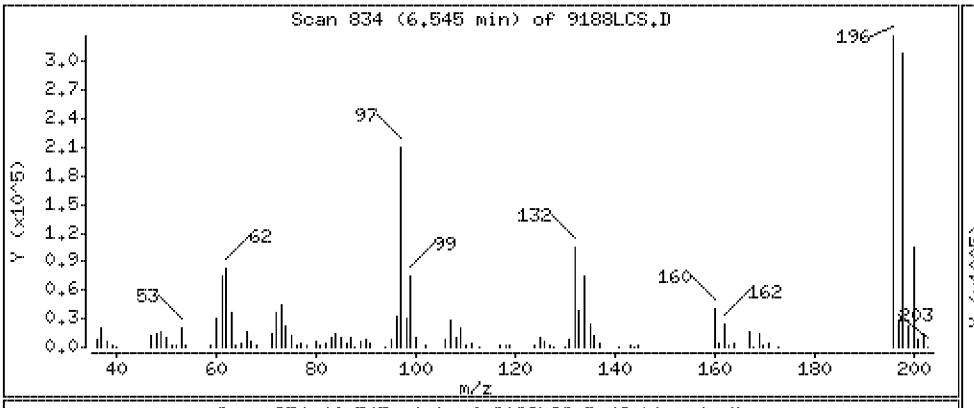
Operator: PEL

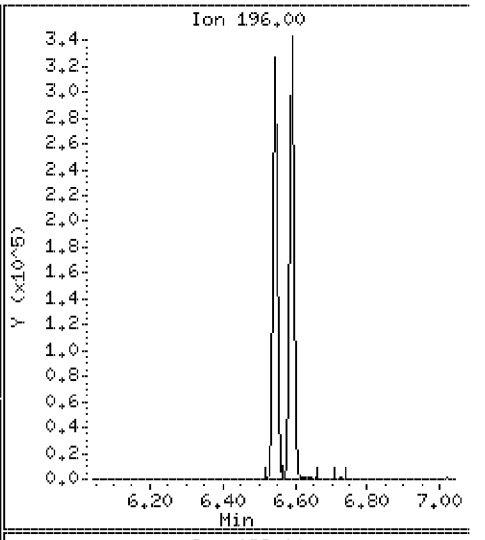
Column phase: HPMS-5

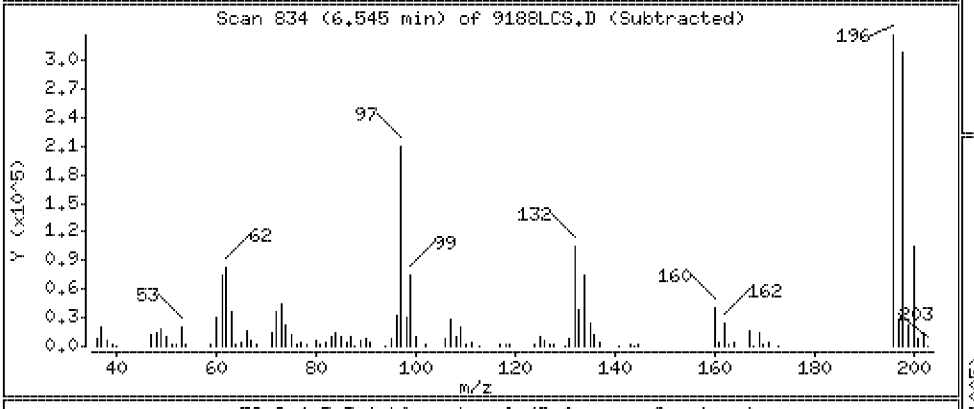
Column diameter: 0.25

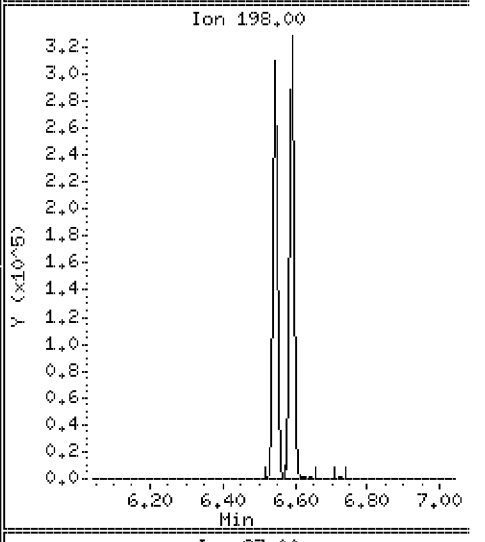
58 2,4,5-Trichlorophenol

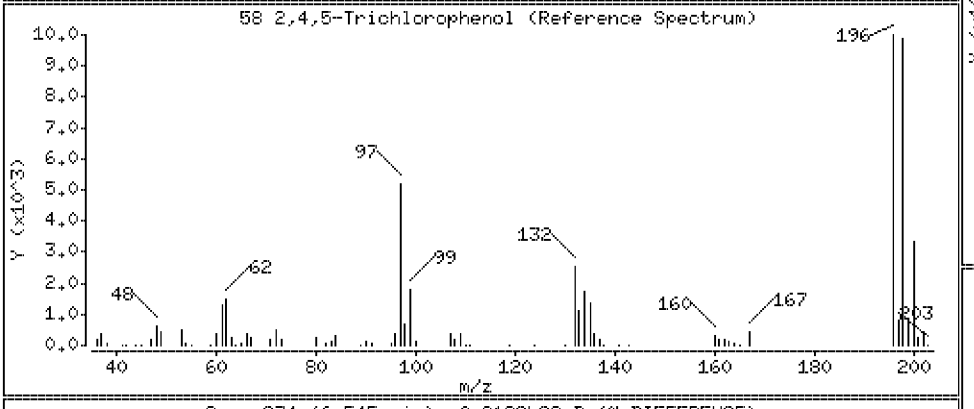
Concentration: 1800 ug/kg

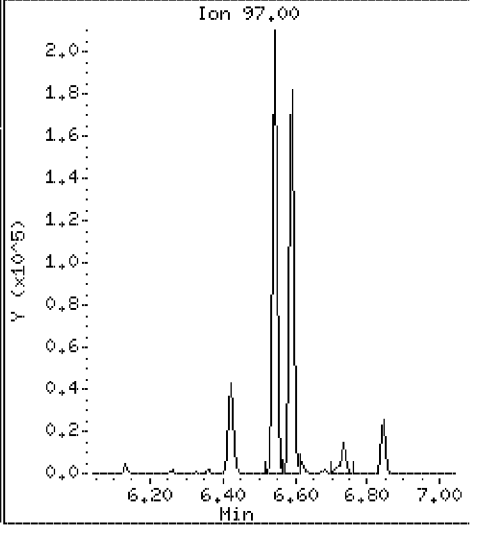


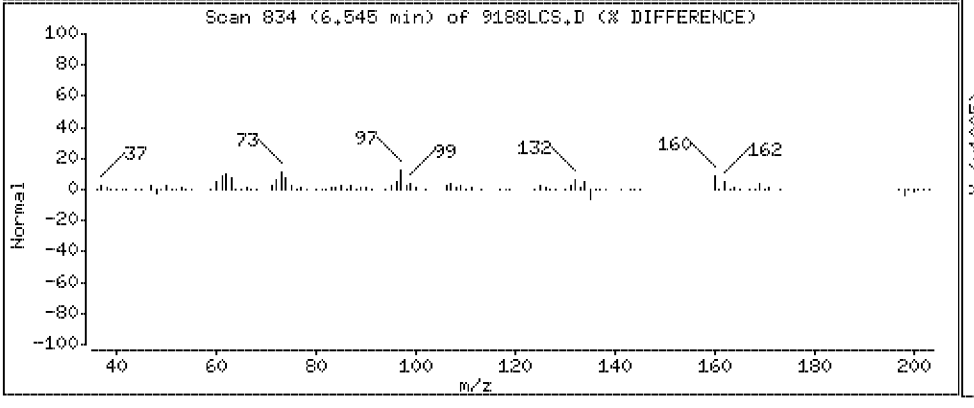












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

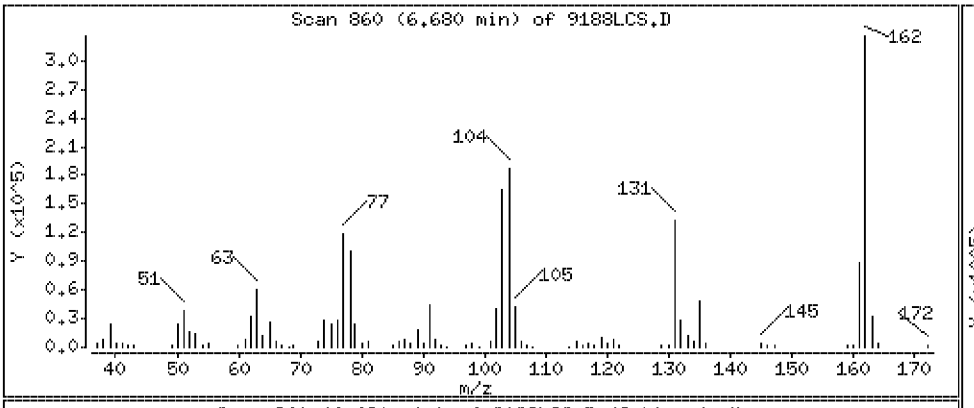
Operator: PEL

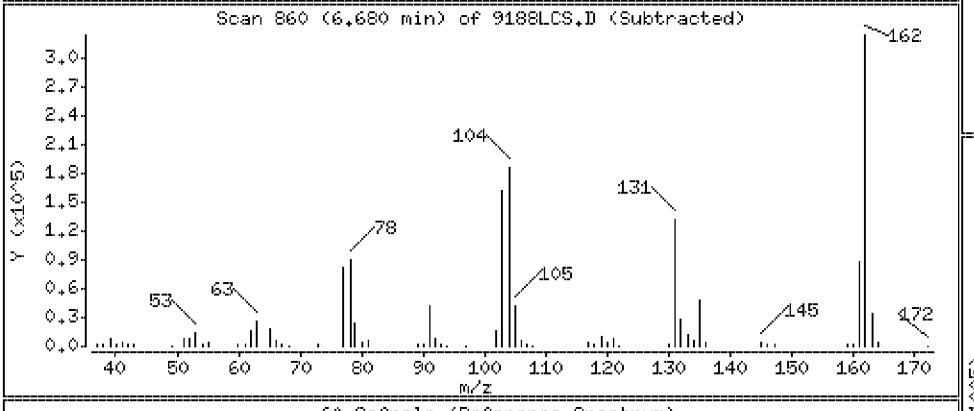
Column phase: HPMS-5

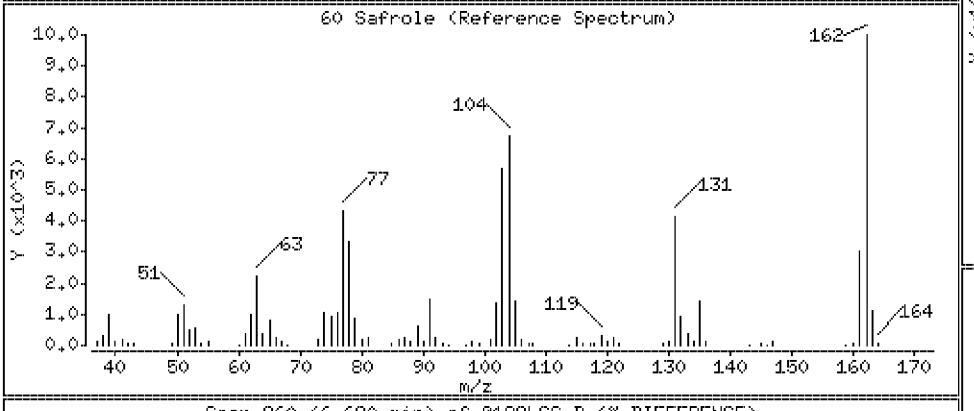
Column diameter: 0.25

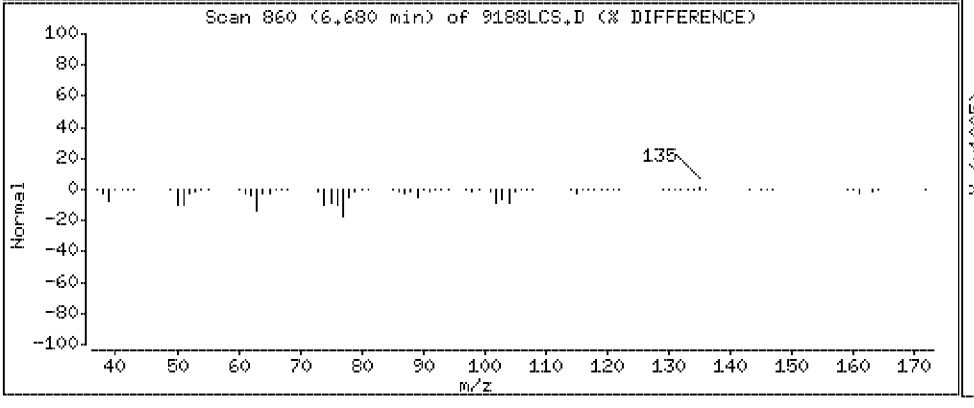
60 Safrole

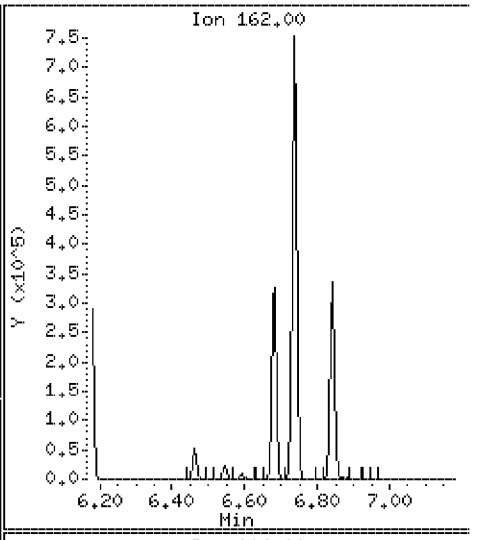
Concentration: 2080 ug/kg

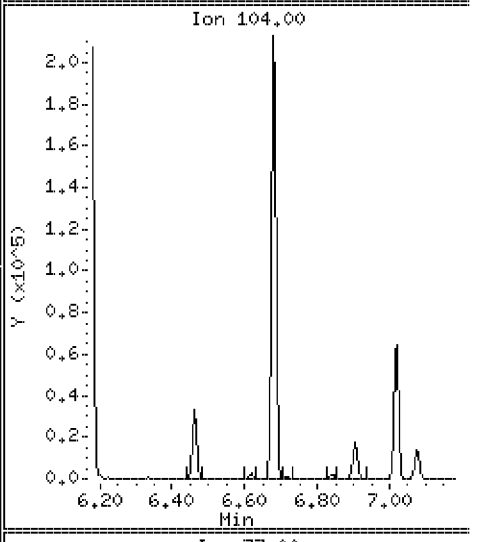


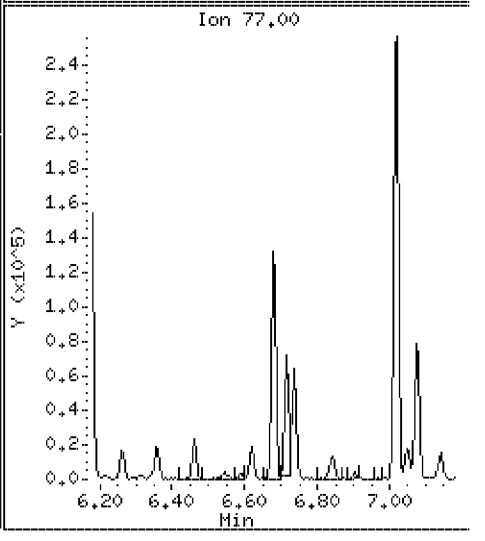












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

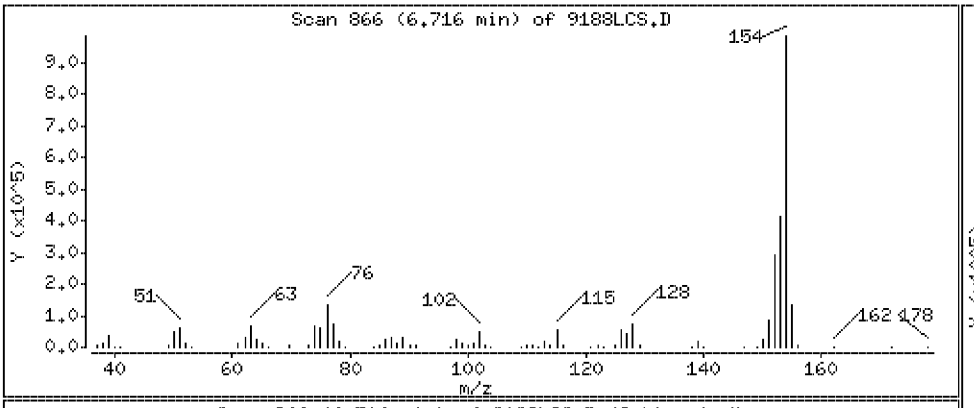
Operator: PEL

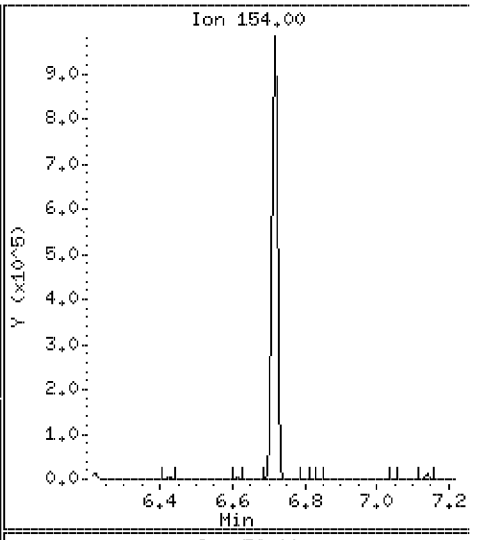
Column phase: HPMS-5

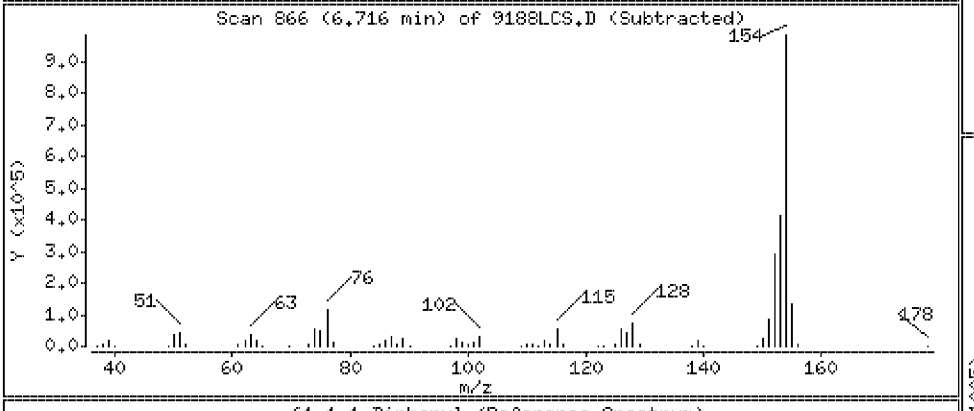
Column diameter: 0.25

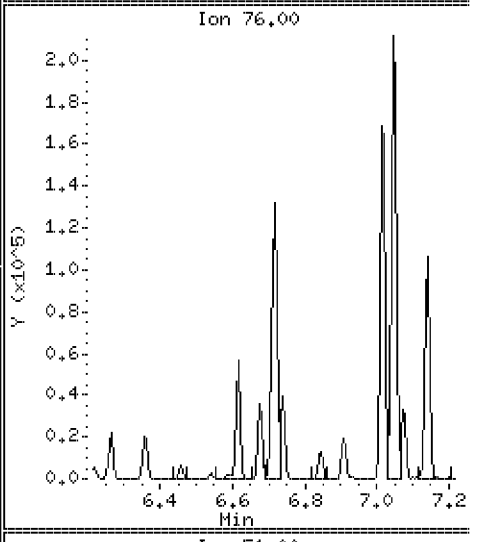
61 1,1-Biphenyl

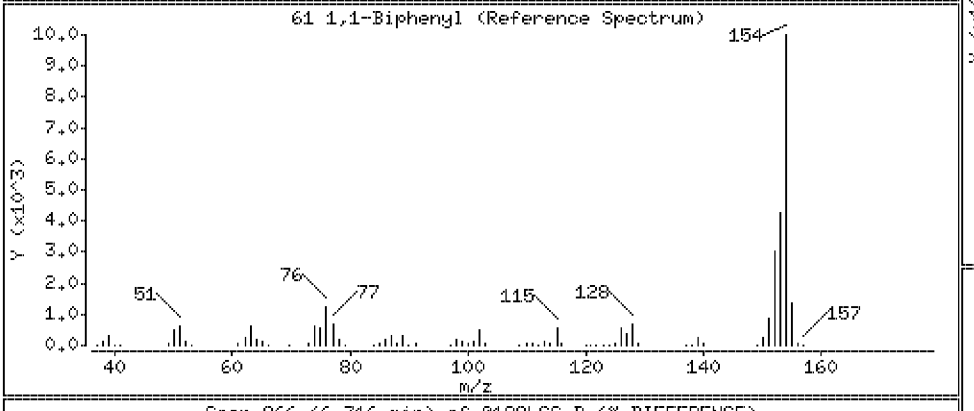
Concentration: 1590 ug/kg

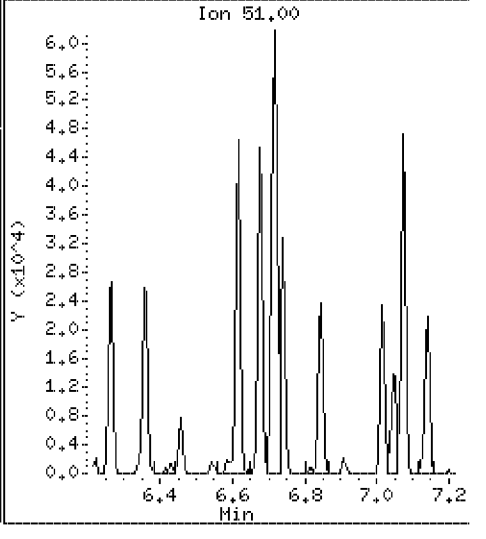


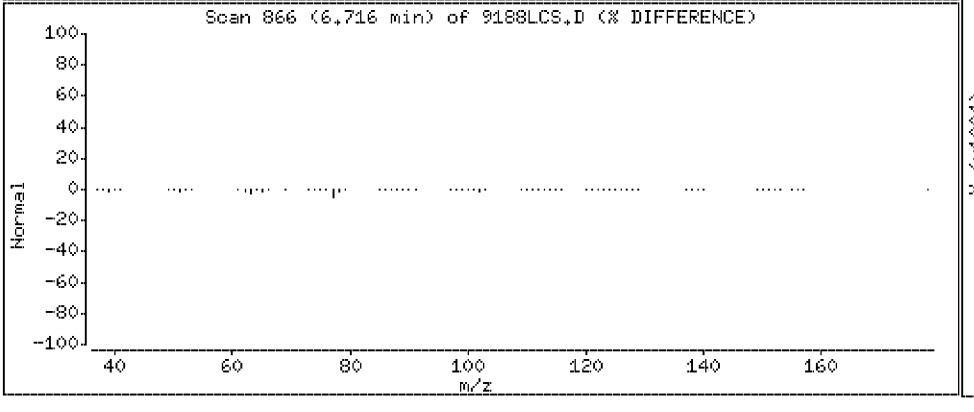












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

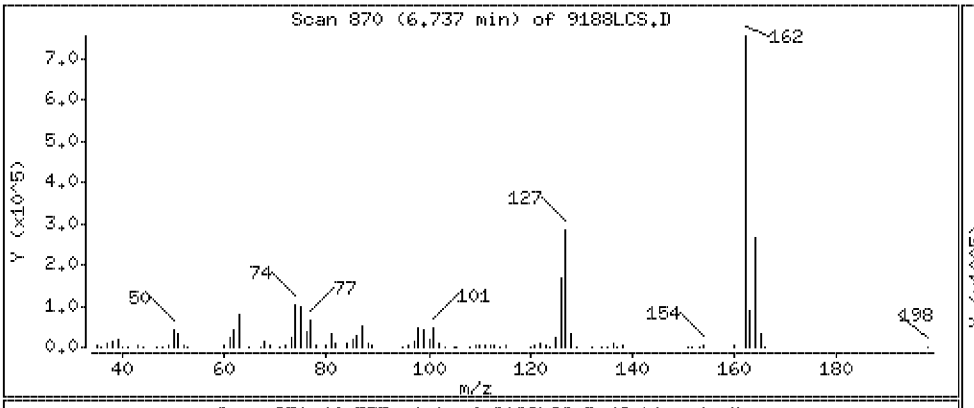
Operator: PEL

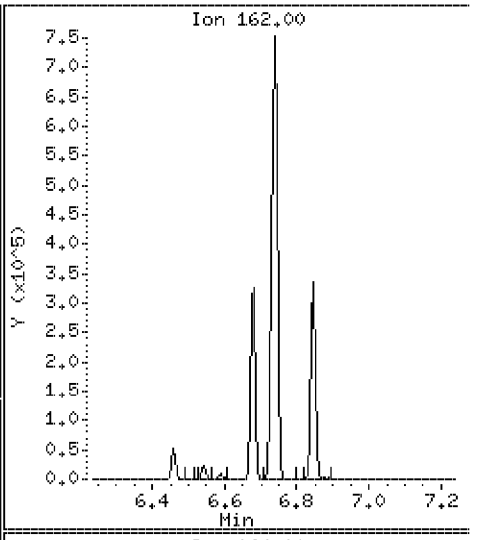
Column phase: HPMS-5

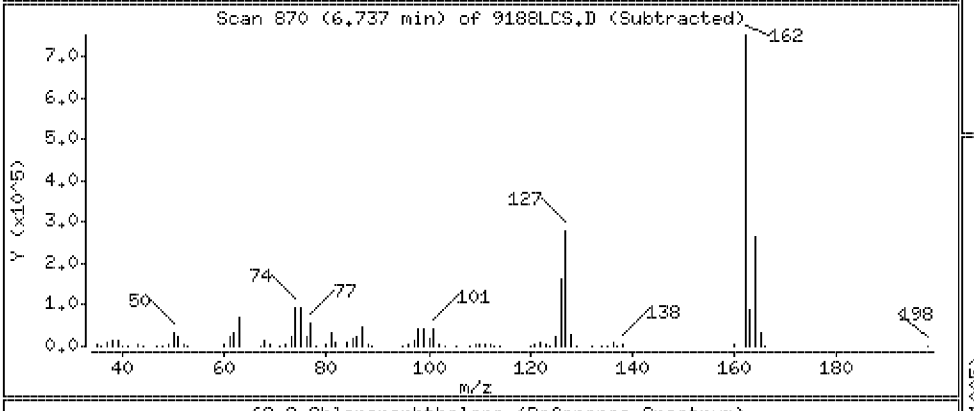
Column diameter: 0.25

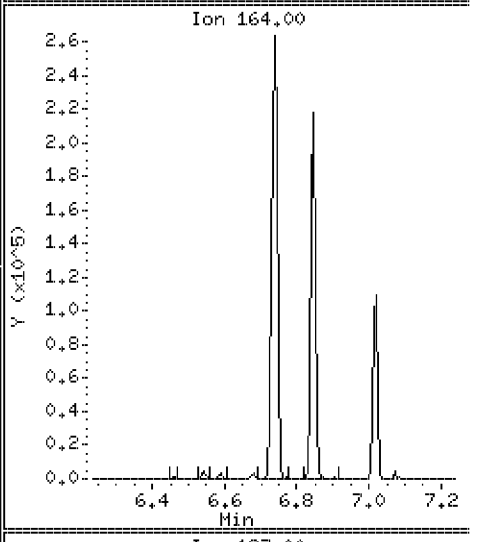
62 2-Chloronaphthalene

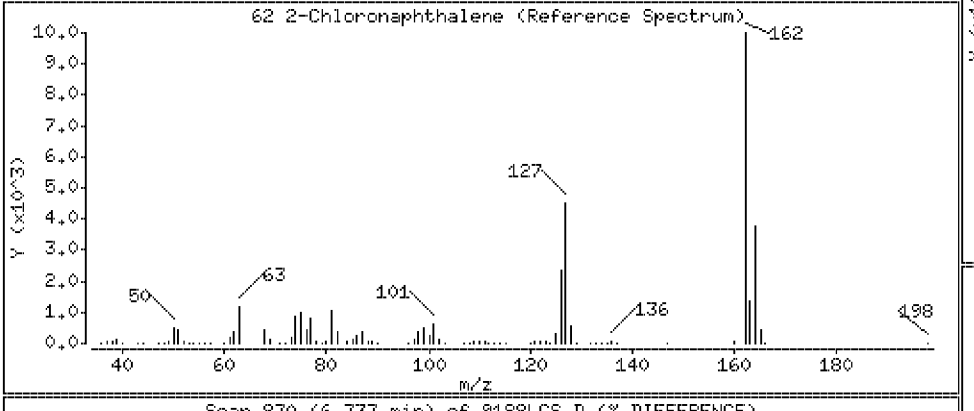
Concentration: 1740 ug/kg

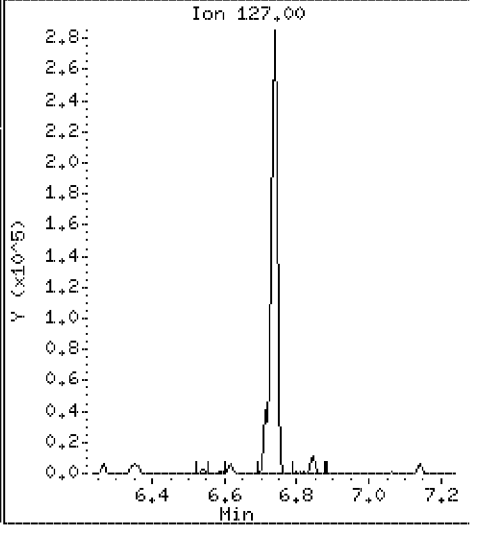


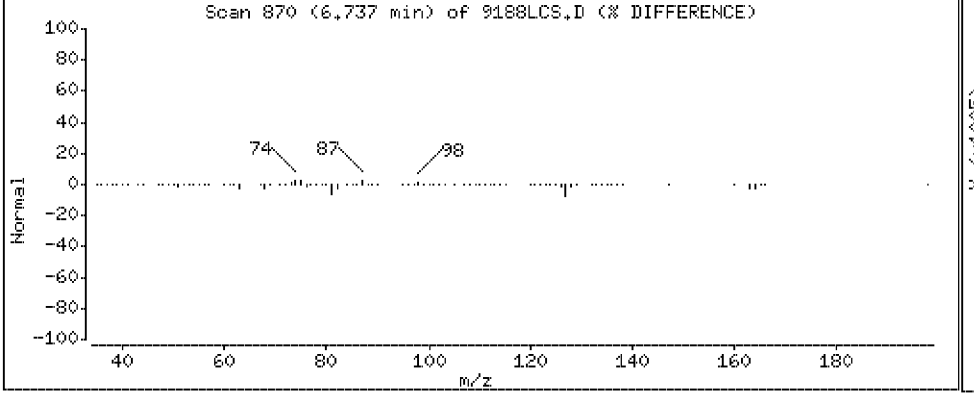












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

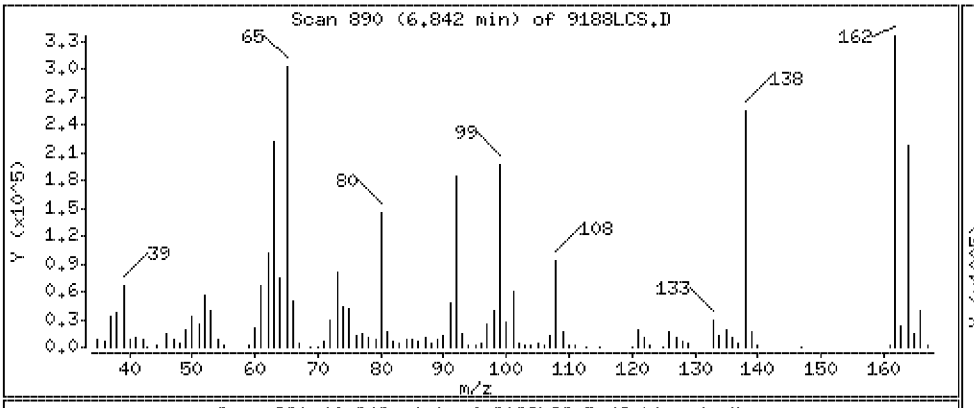
Operator: PEL

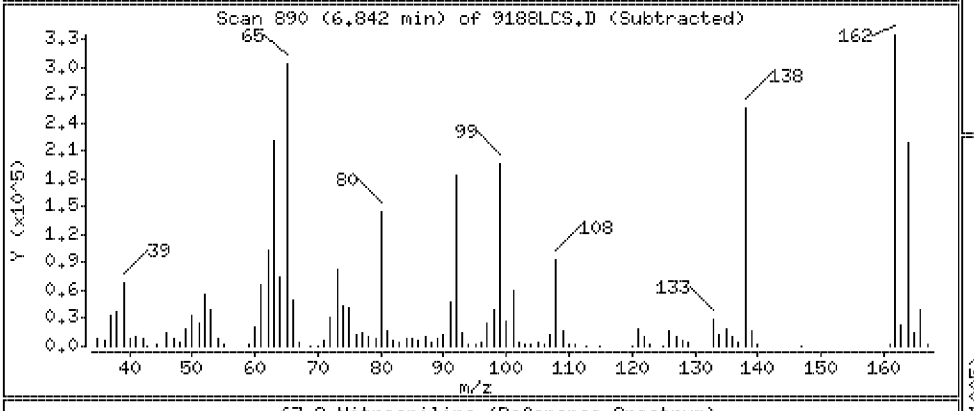
Column phase: HPMS-5

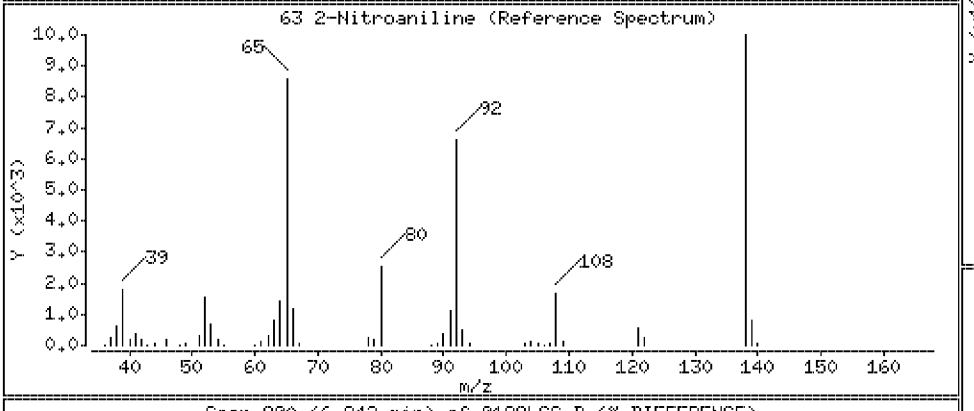
Column diameter: 0.25

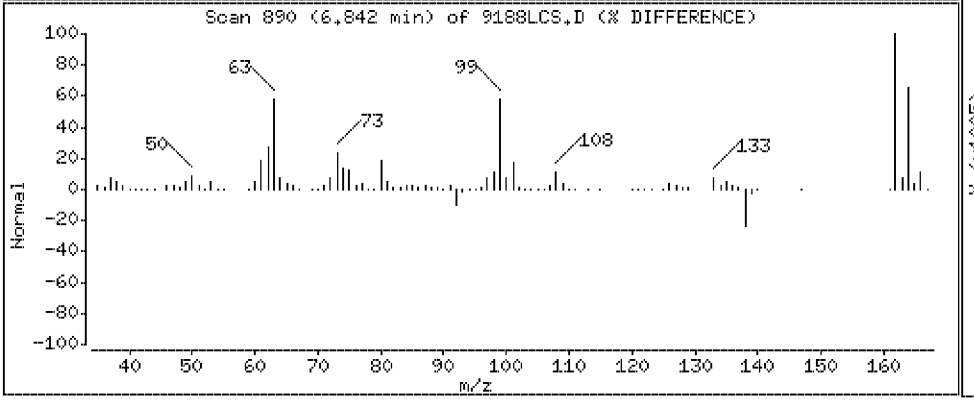
63 2-Nitroaniline

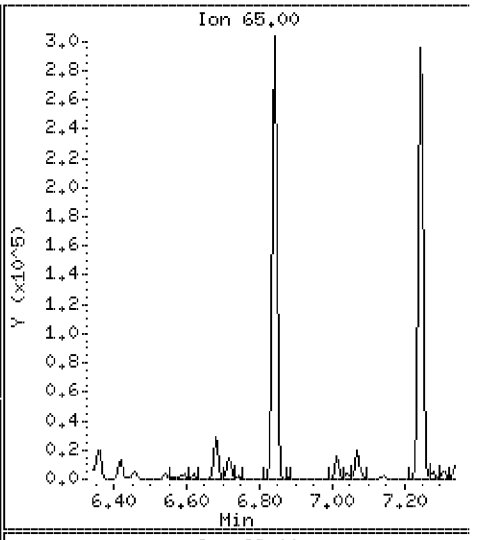
Concentration: 2060 ug/kg

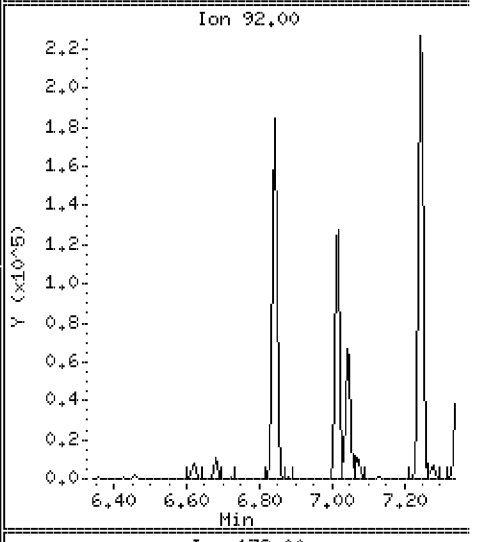


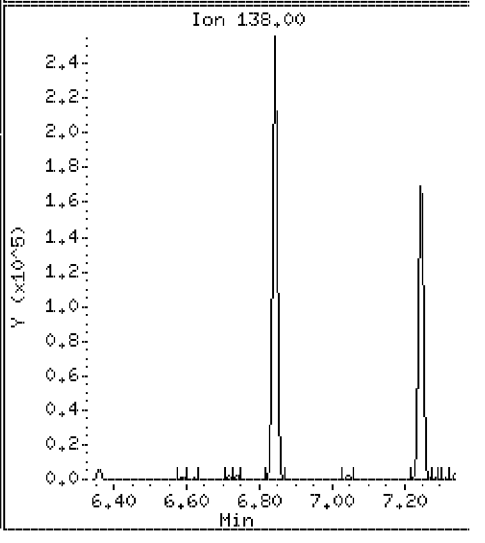












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

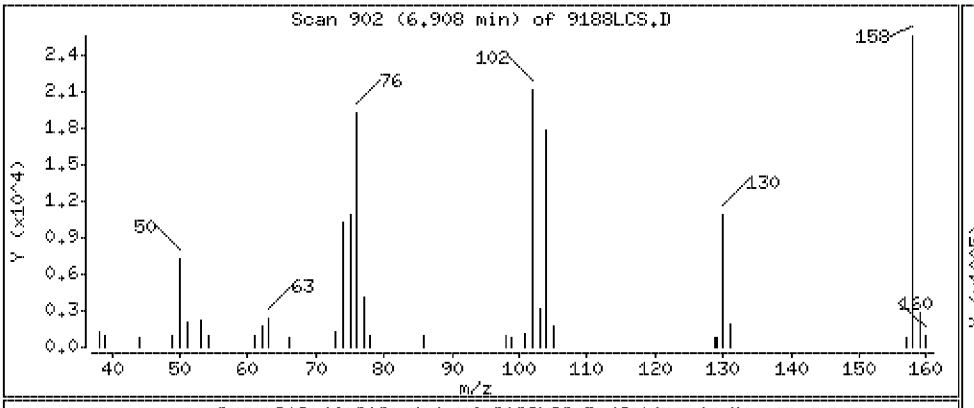
Operator: PEL

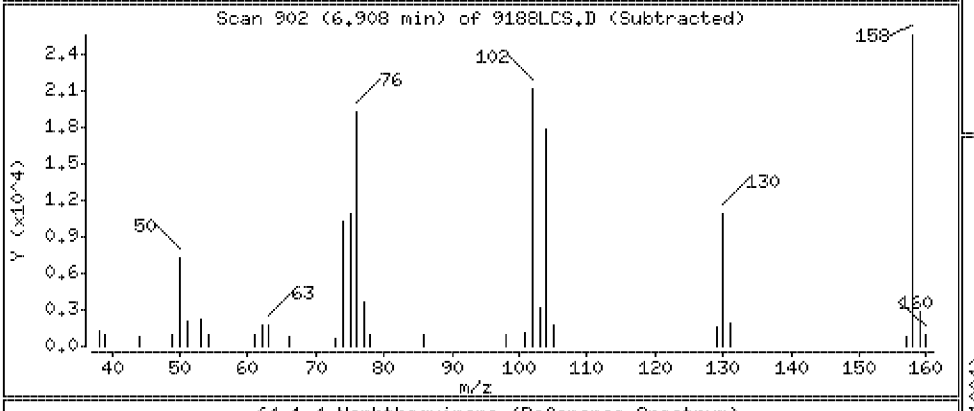
Column phase: HPMS-5

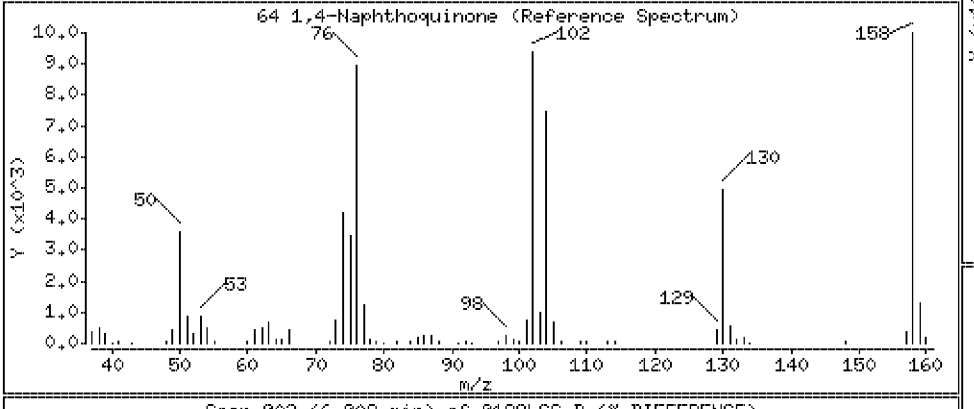
Column diameter: 0.25

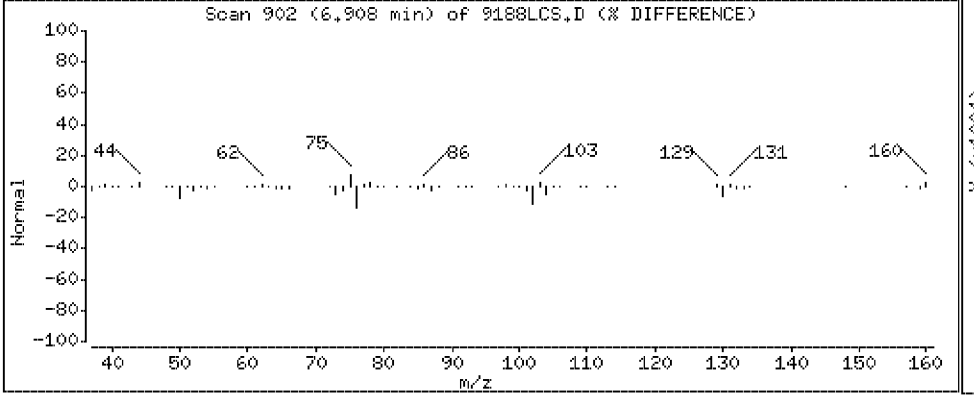
64 1,4-Naphthoquinone

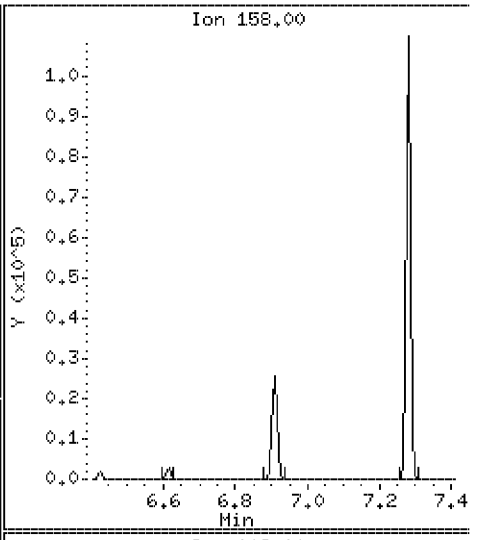
Concentration: 151 ug/kg

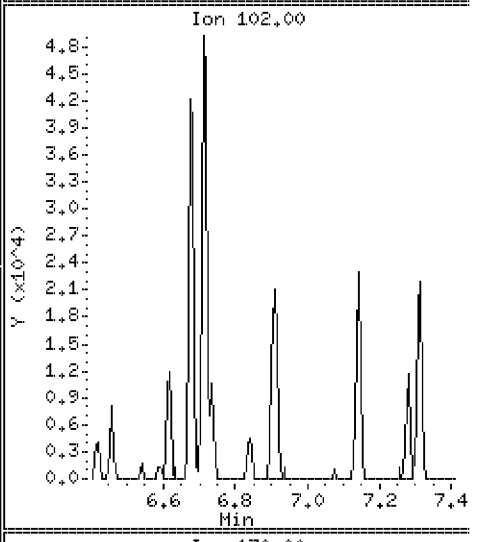


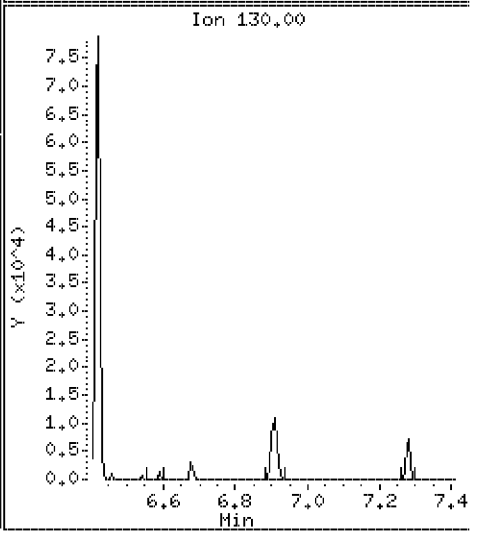












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

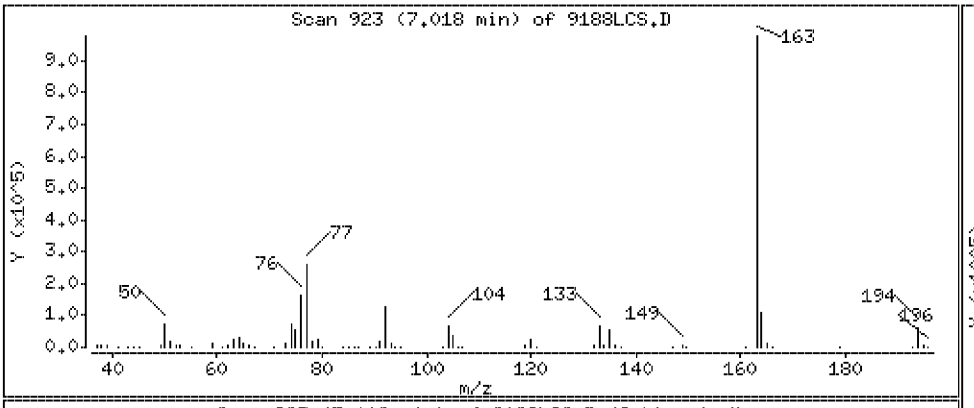
Operator: PEL

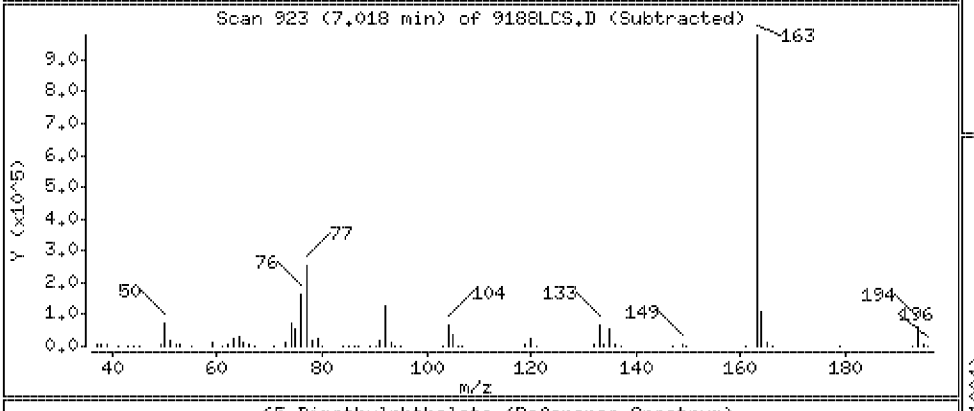
Column phase: HPMS-5

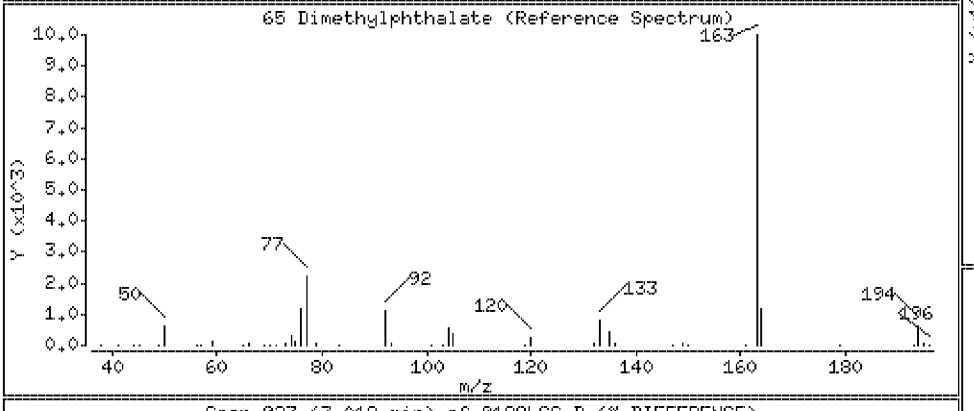
Column diameter: 0.25

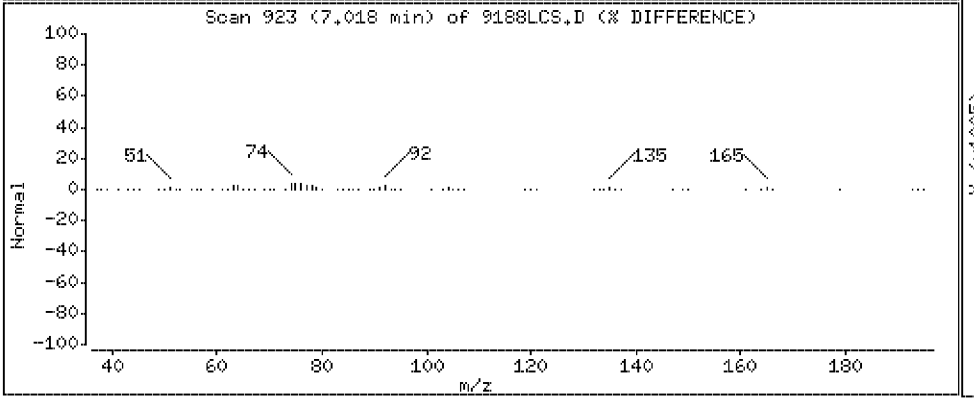
65 Dimethylphthalate

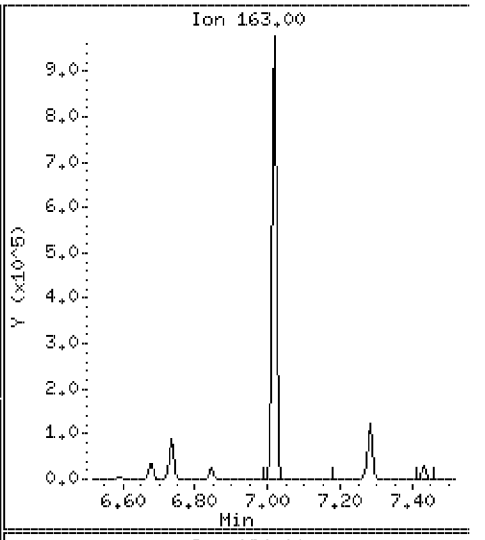
Concentration: 1880 ug/kg

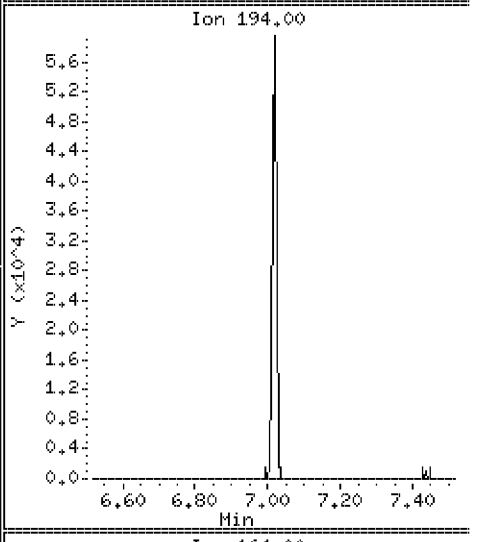


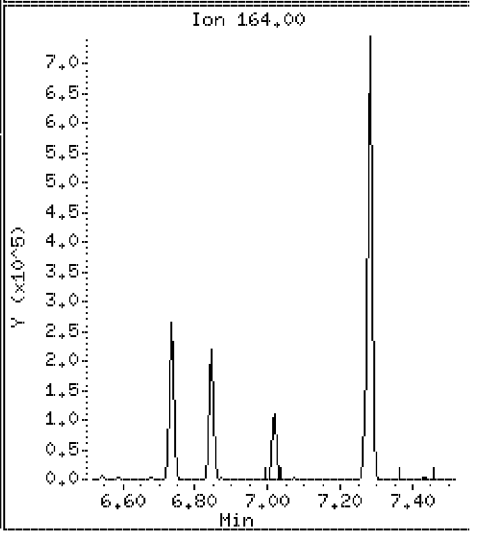












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

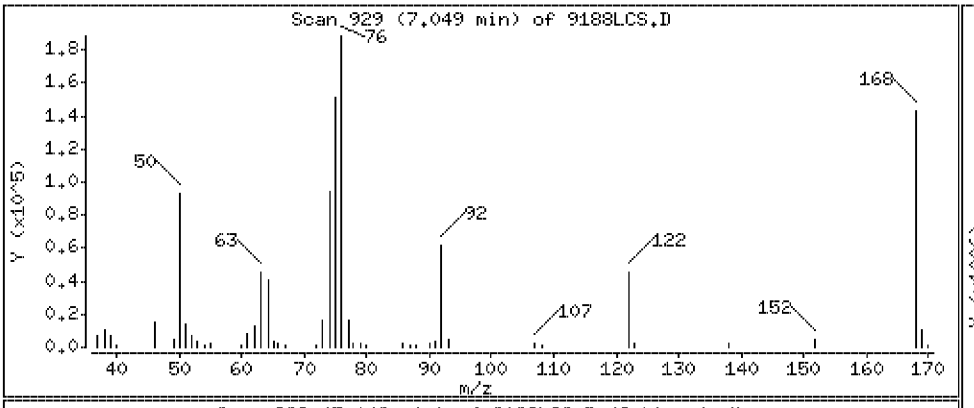
Operator: PEL

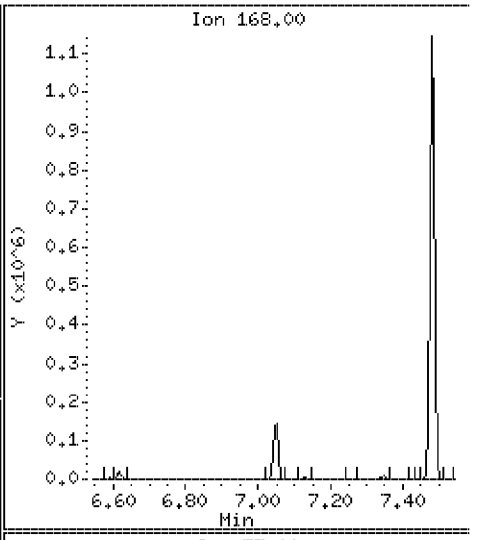
Column phase: HPMS-5

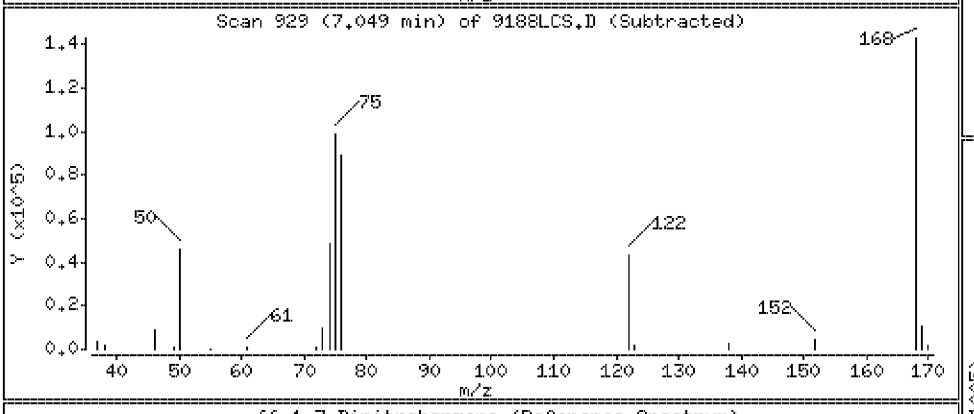
Column diameter: 0.25

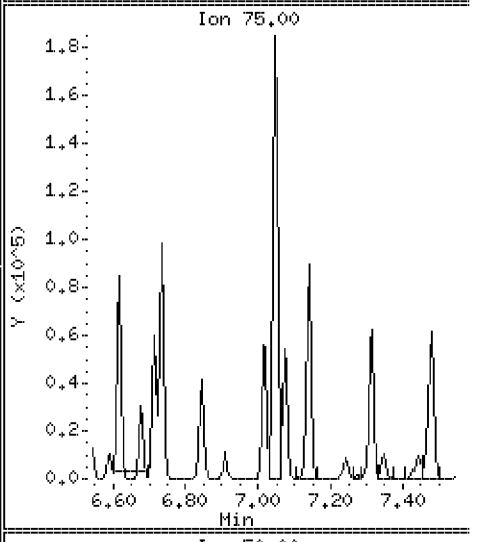
66 1,3-Dinitrobenzene

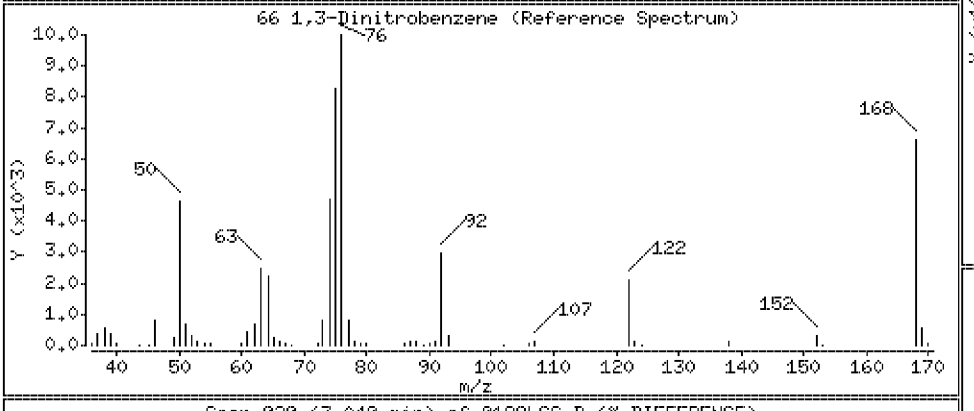
Concentration: 2040 ug/kg

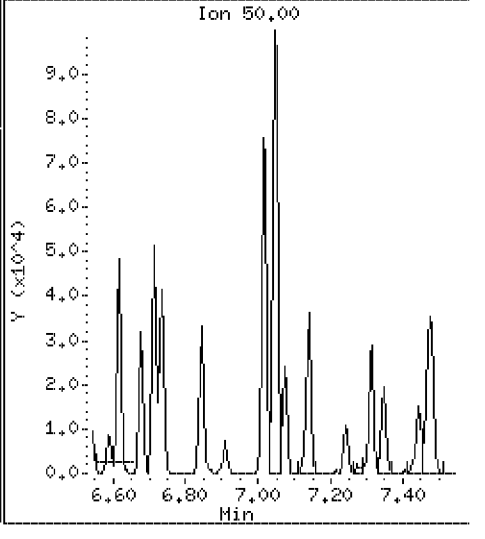


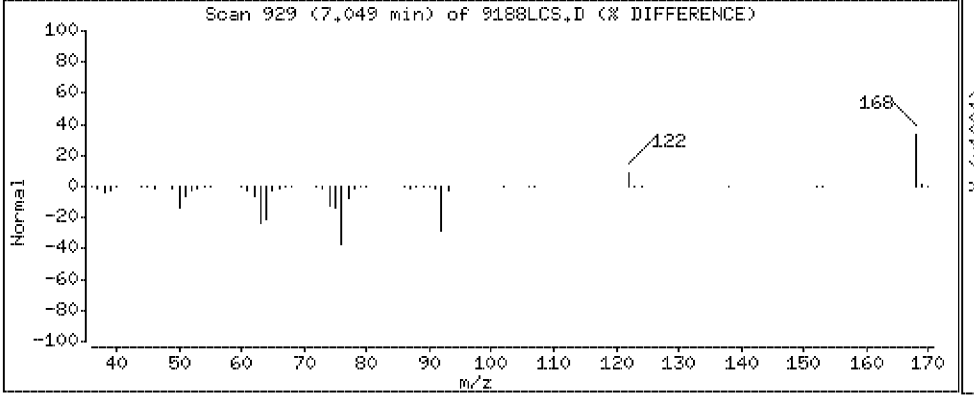












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

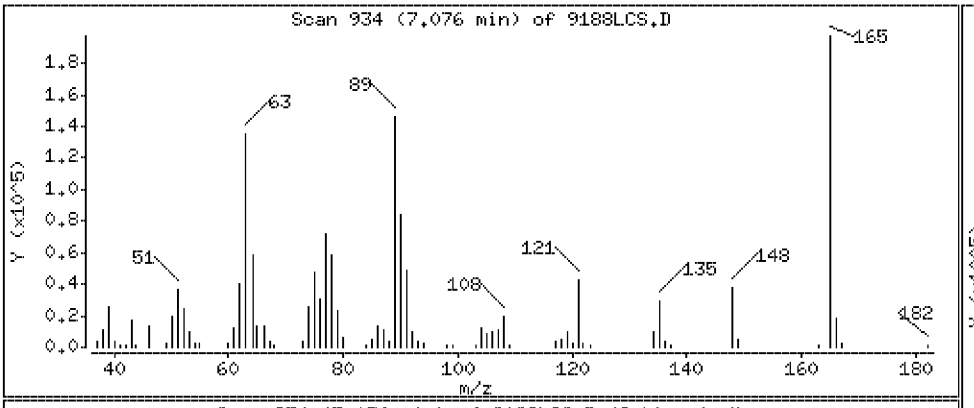
Operator: PEL

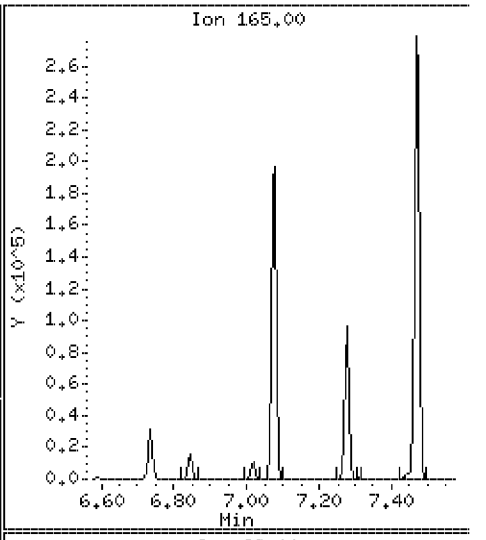
Column phase: HPMS-5

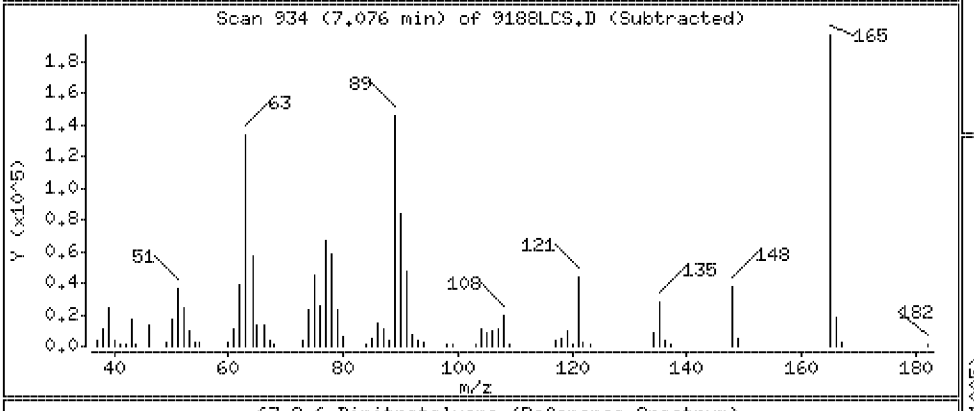
Column diameter: 0.25

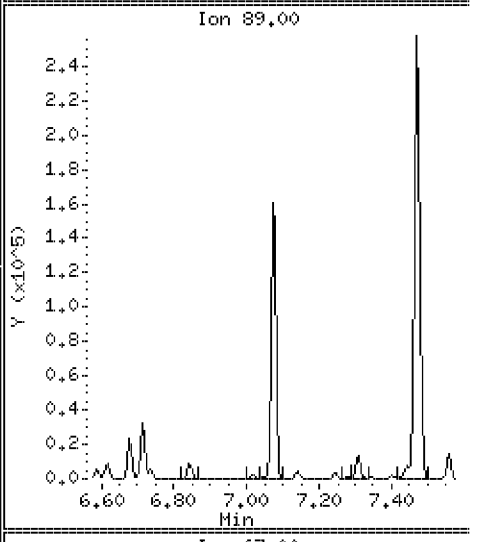
67 2,6-Dinitrotoluene

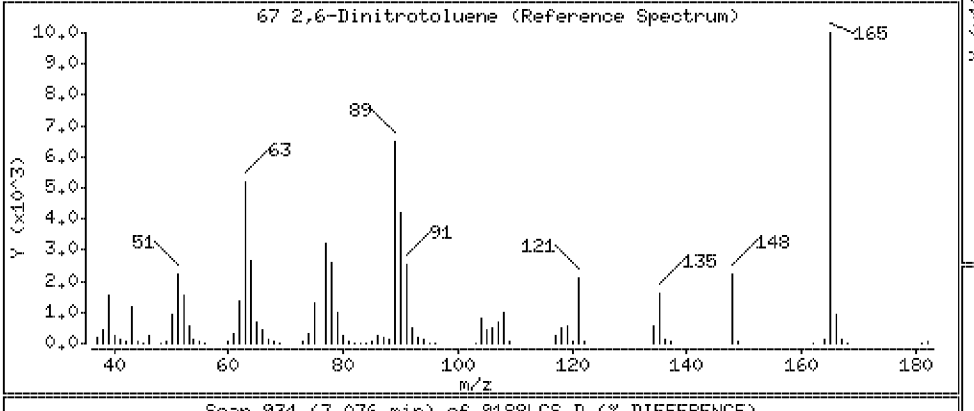
Concentration: 1800 ug/kg

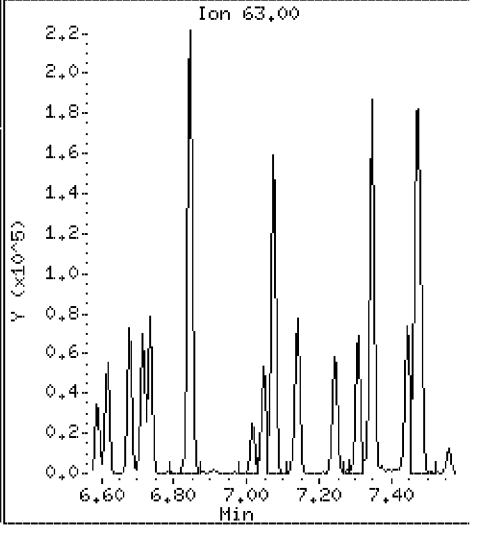


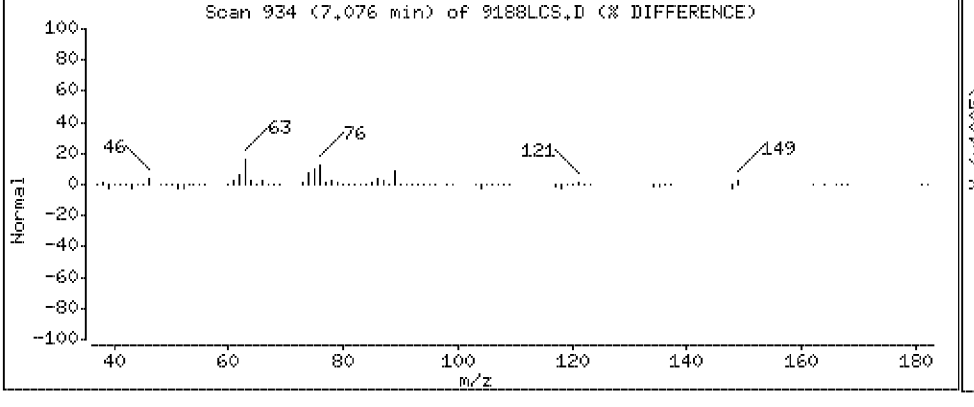












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

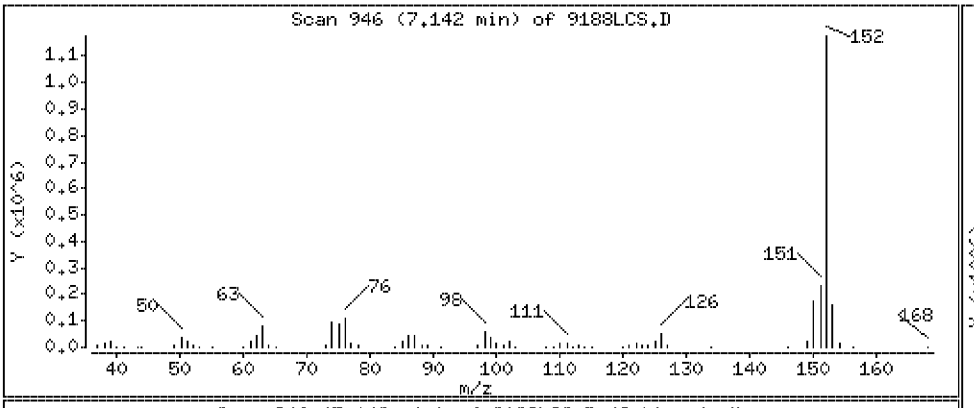
Operator: PEL

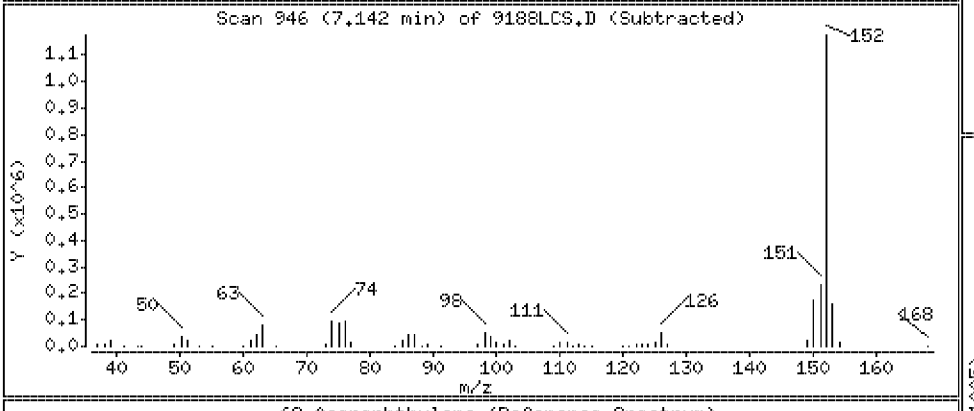
Column phase: HPMS-5

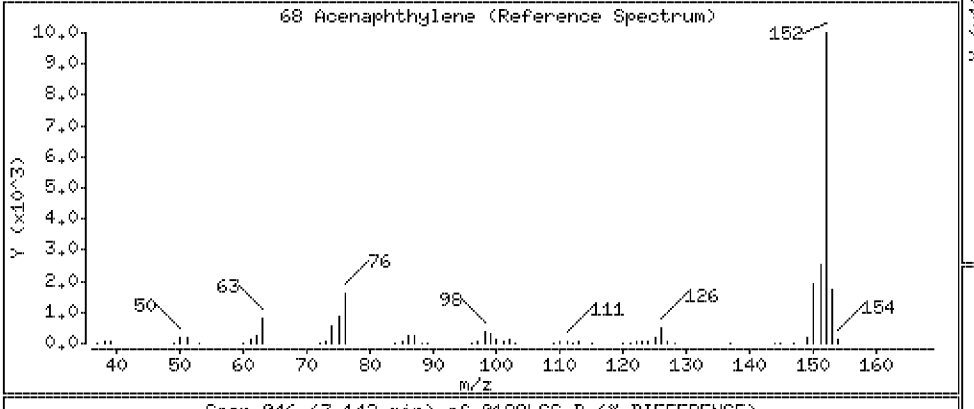
Column diameter: 0.25

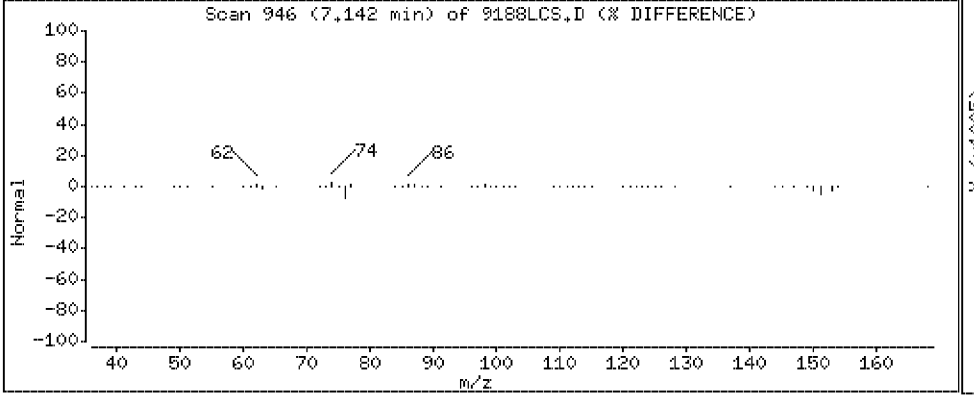
68 Acenaphthylene

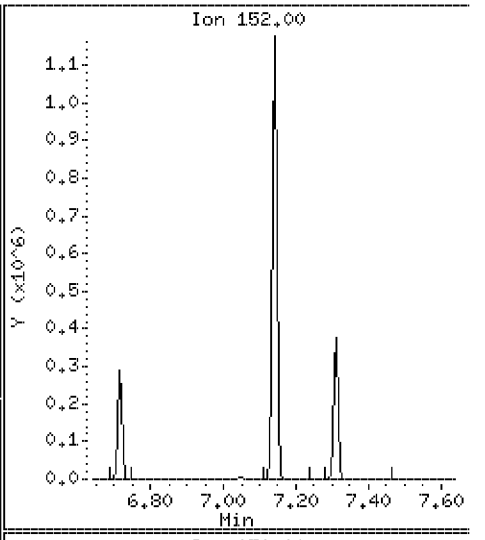
Concentration: 1800 ug/kg

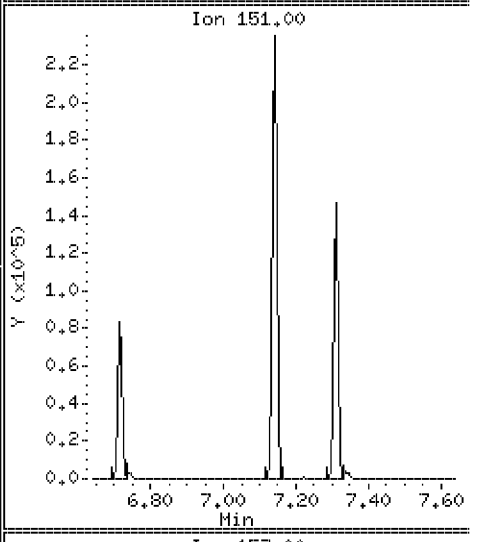


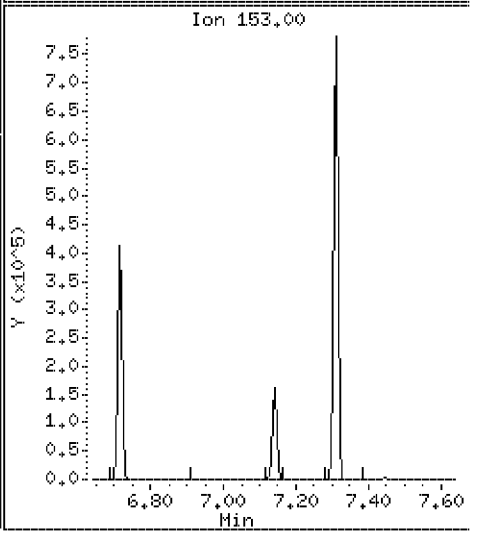












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

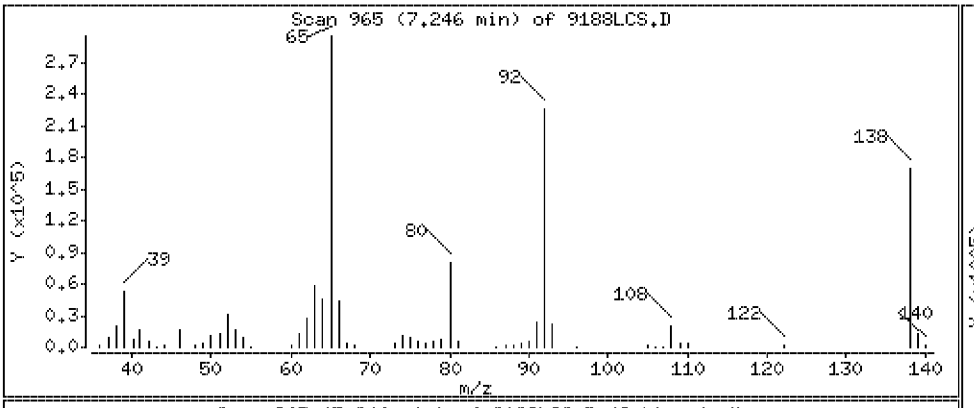
Operator: PEL

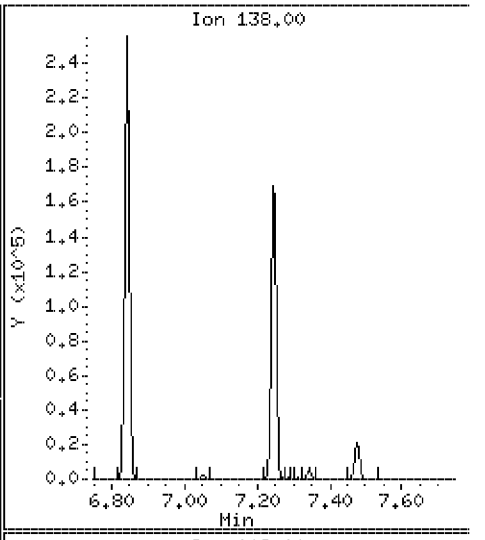
Column phase: HPMS-5

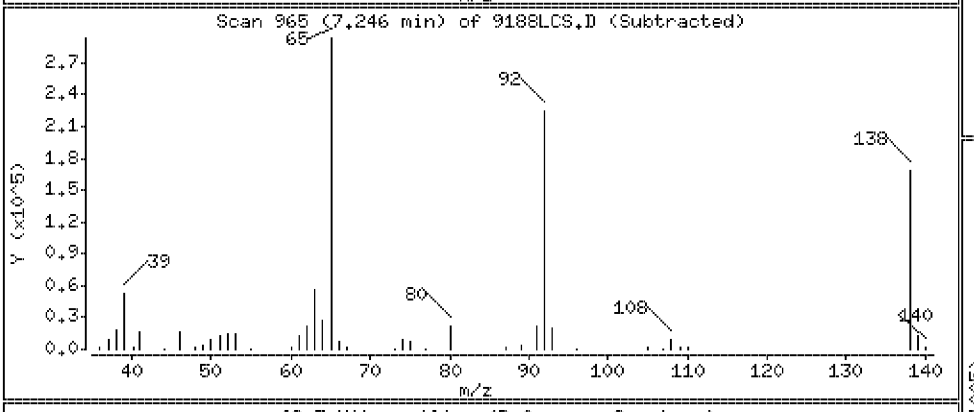
Column diameter: 0.25

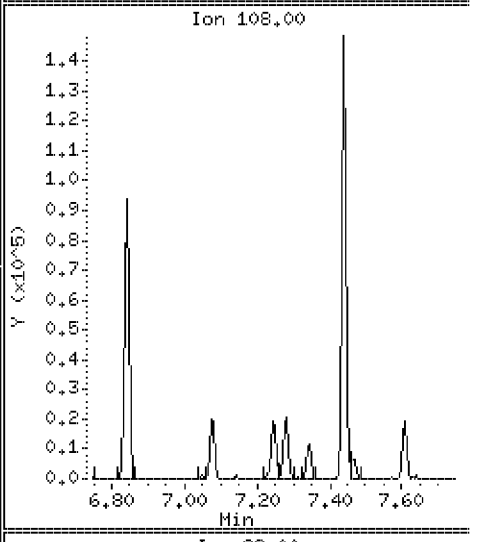
69 3-Nitroaniline

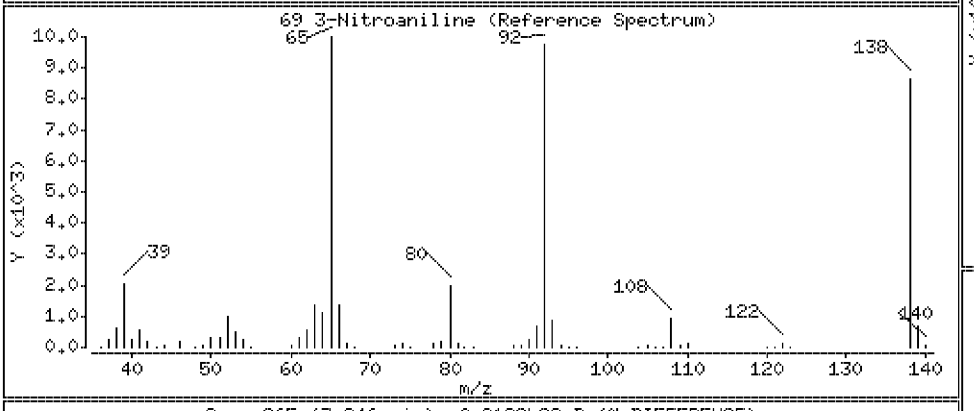
Concentration: 1840 ug/kg

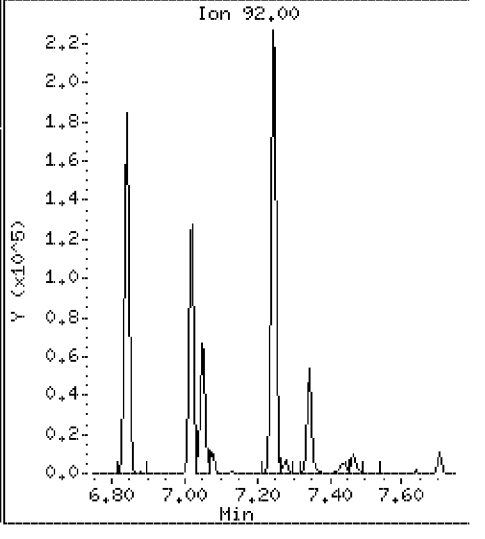


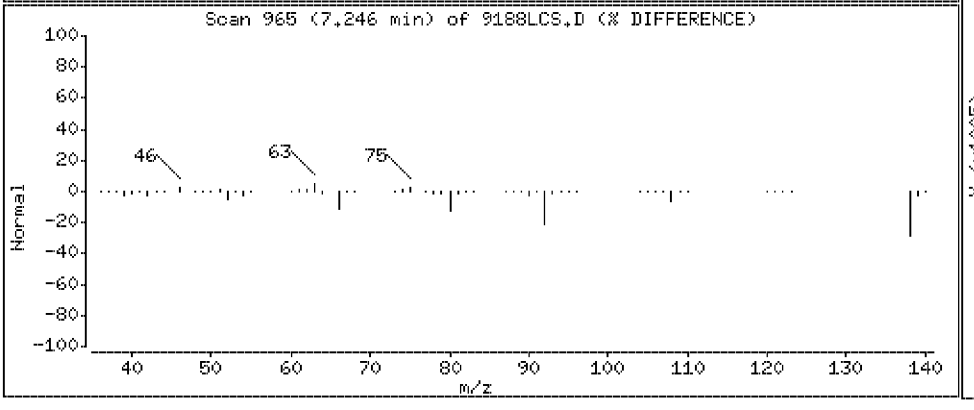












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

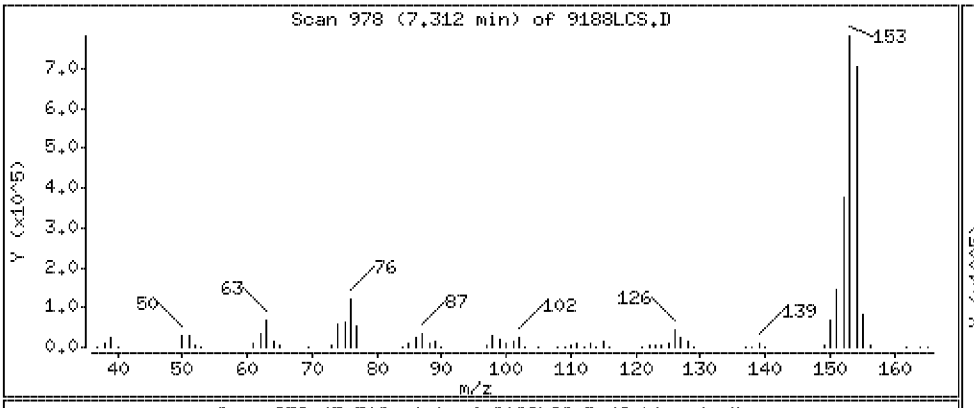
Operator: PEL

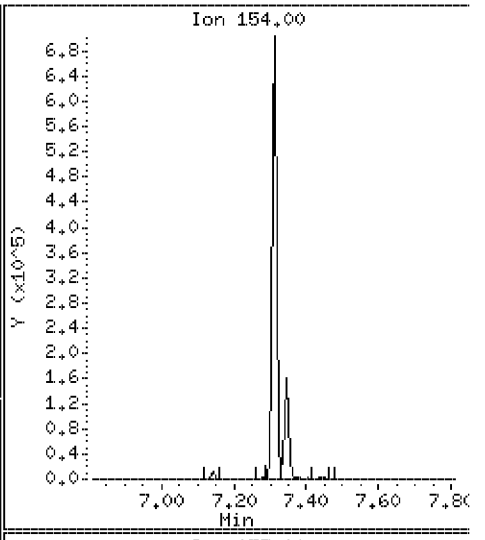
Column phase: HPMS-5

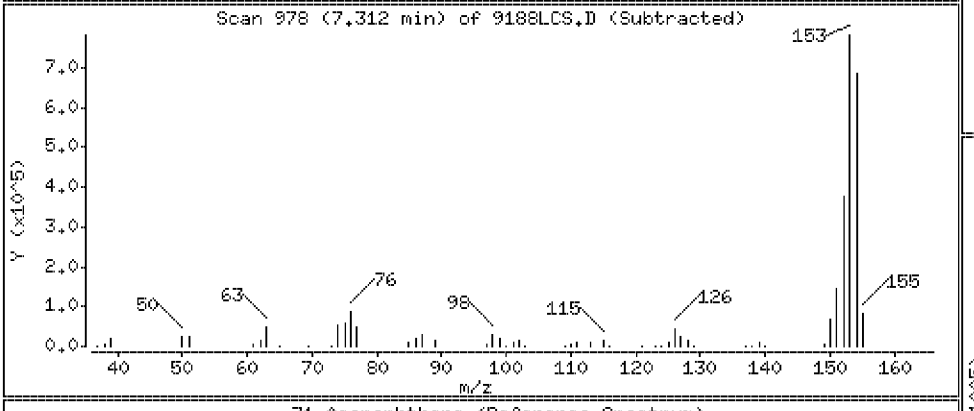
Column diameter: 0.25

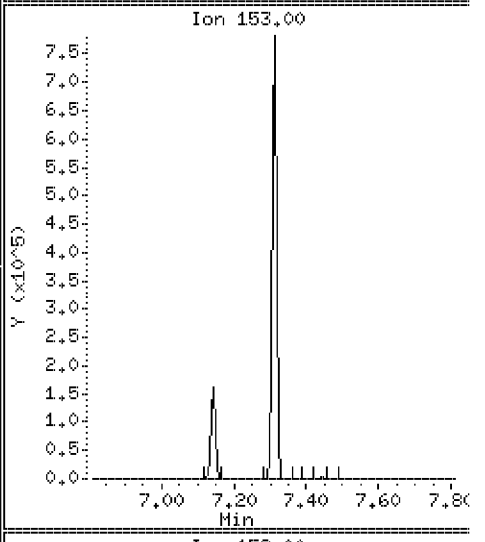
71 Acenaphthene

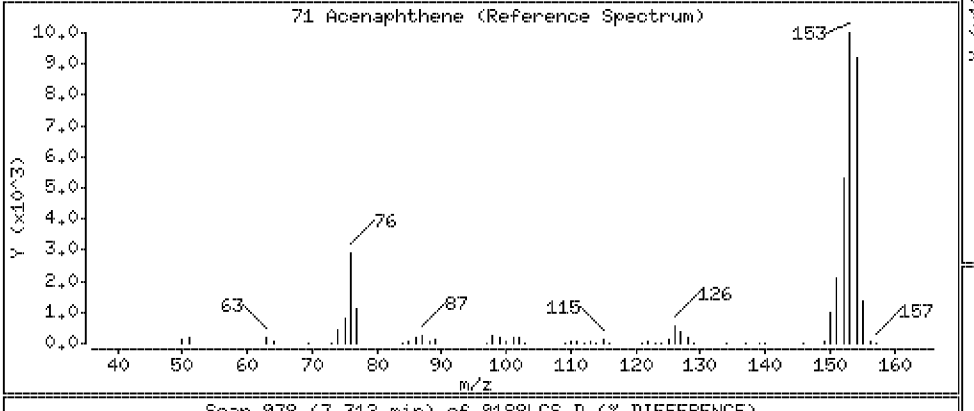
Concentration: 1720 ug/kg

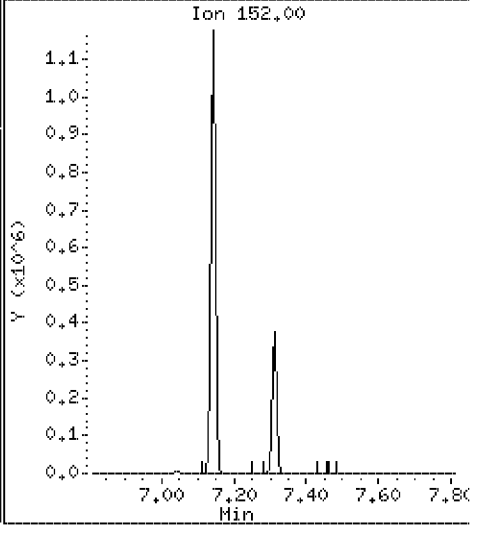


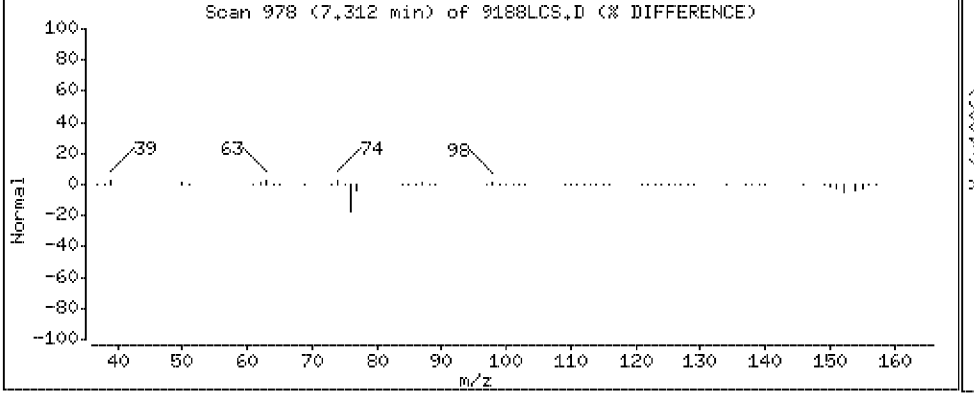












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

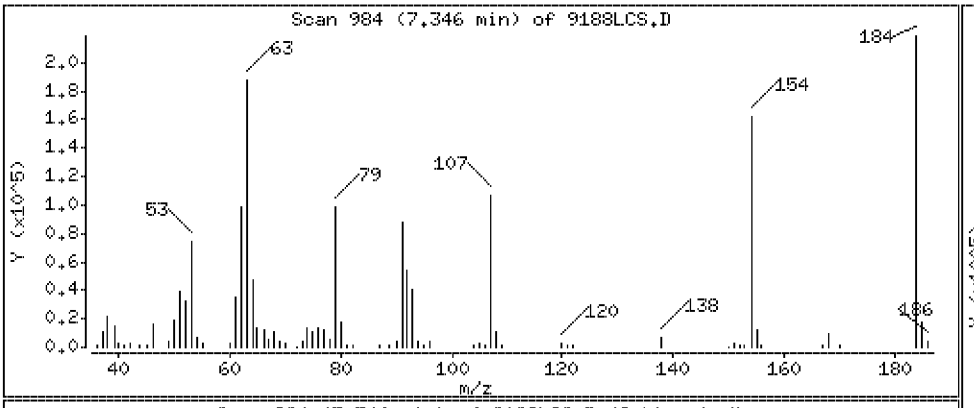
Operator: PEL

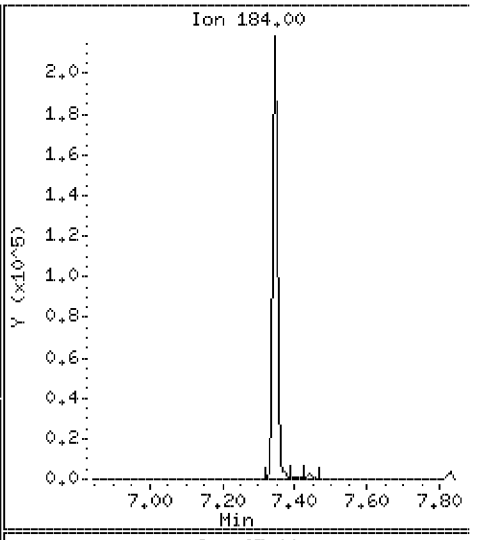
Column phase: HPMS-5

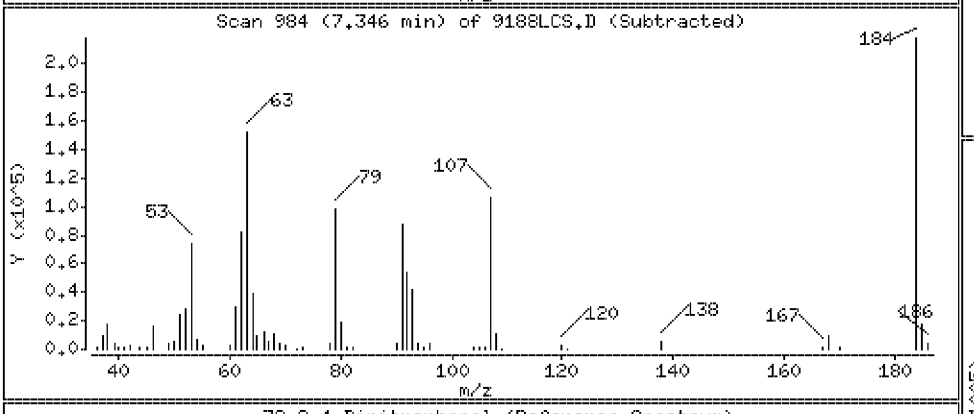
Column diameter: 0.25

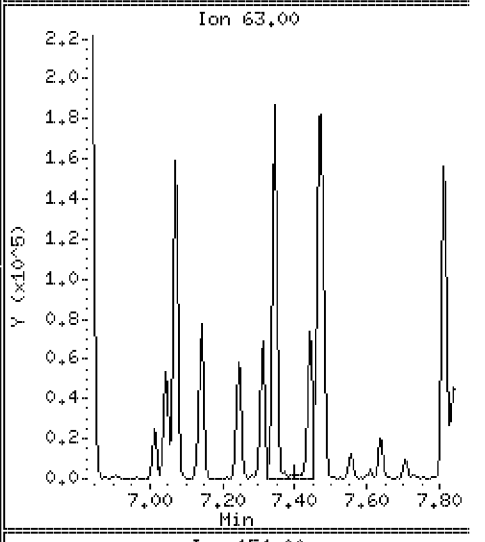
72 2,4-Dinitrophenol

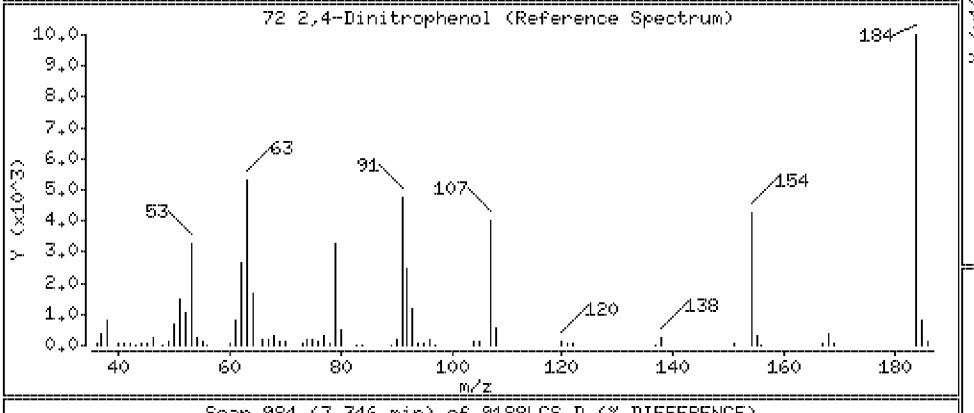
Concentration: 2890 ug/kg

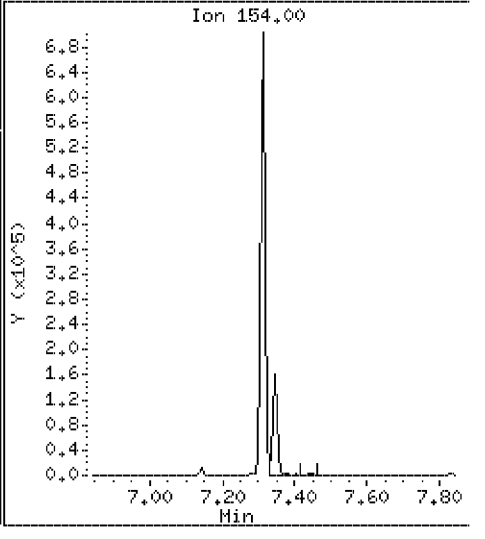


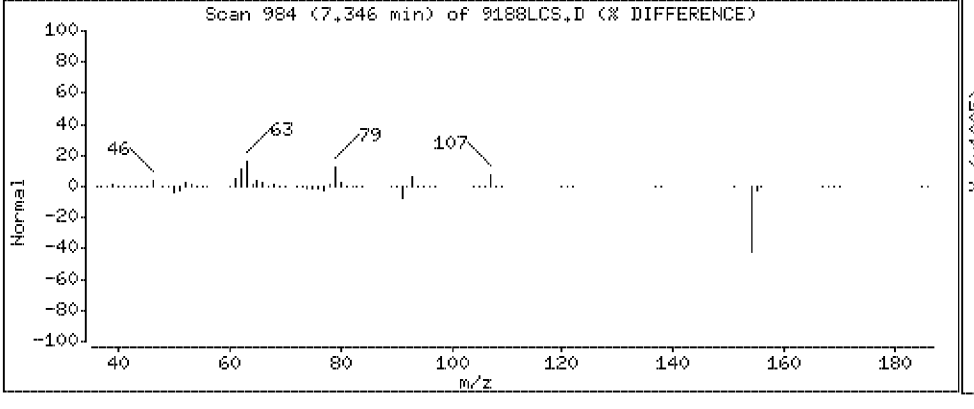












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

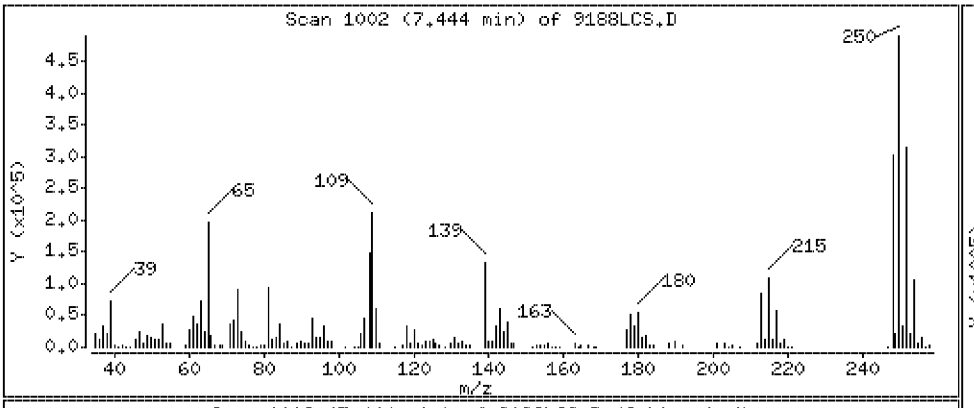
Operator: PEL

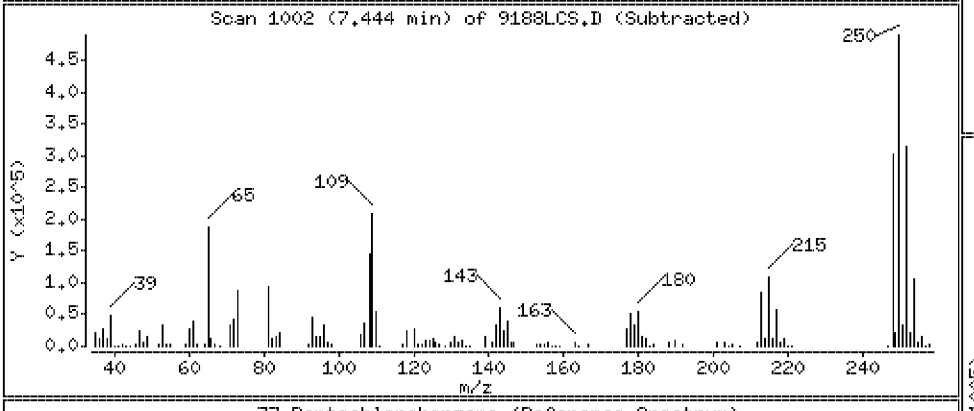
Column phase: HPMS-5

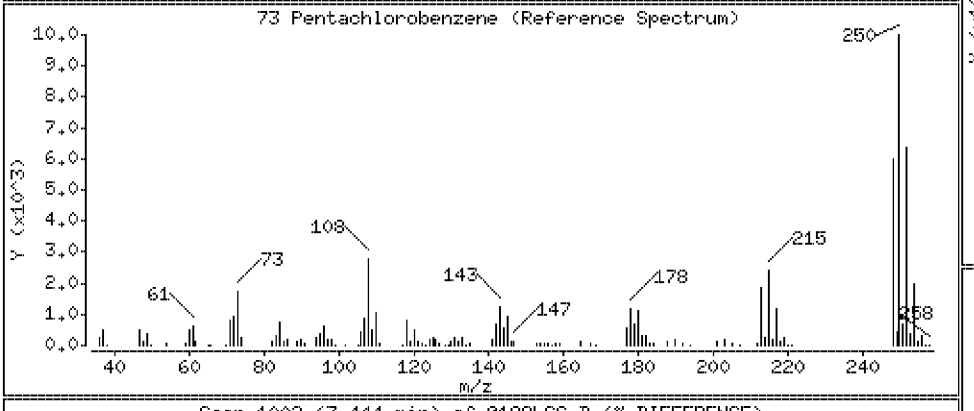
Column diameter: 0.25

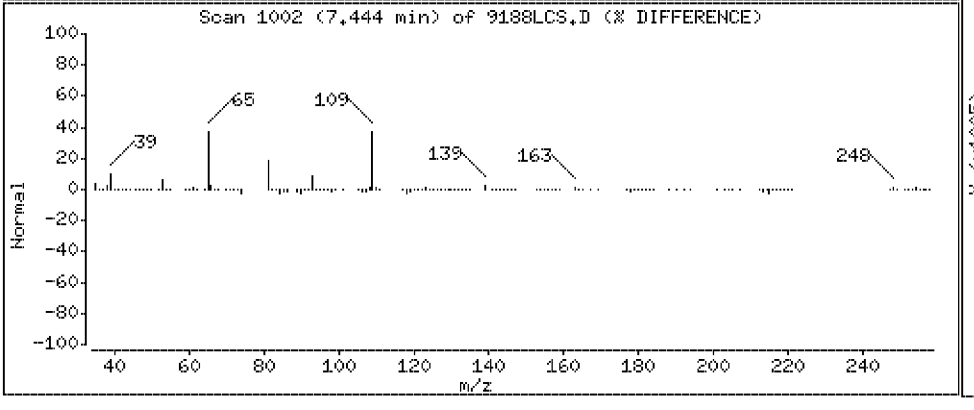
73 Pentachlorobenzene

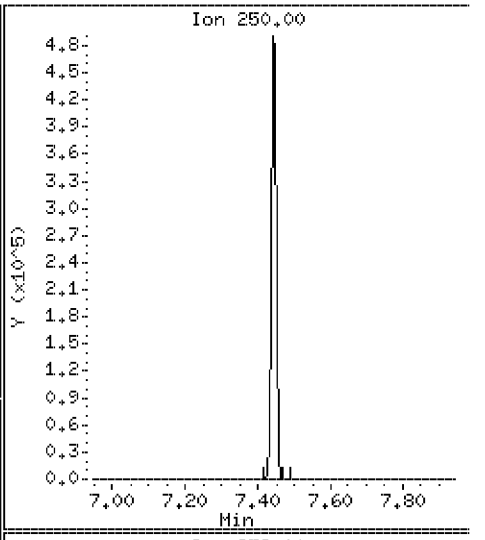
Concentration: 1860 ug/kg

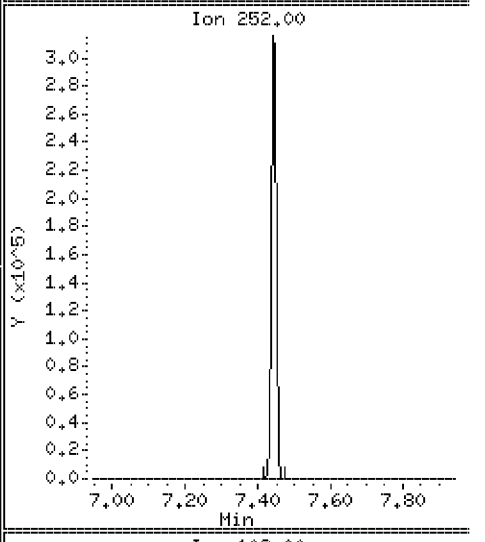


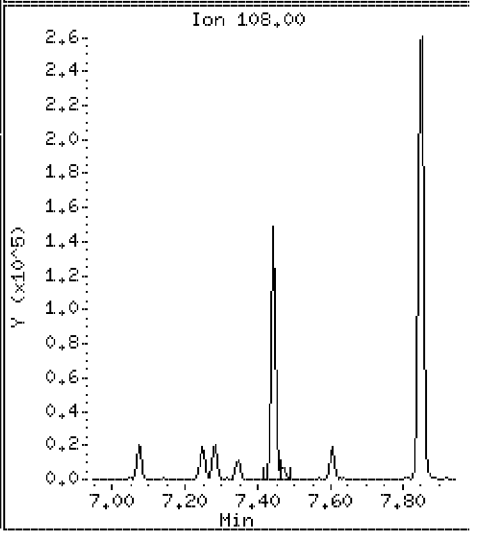












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

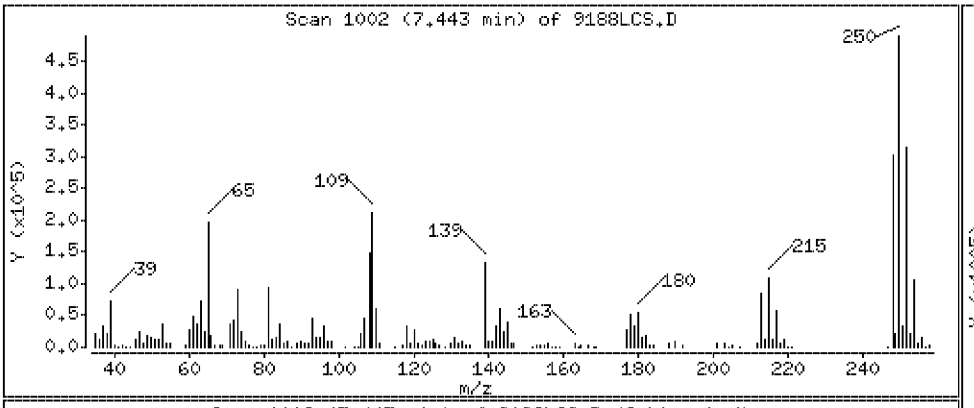
Operator: PEL

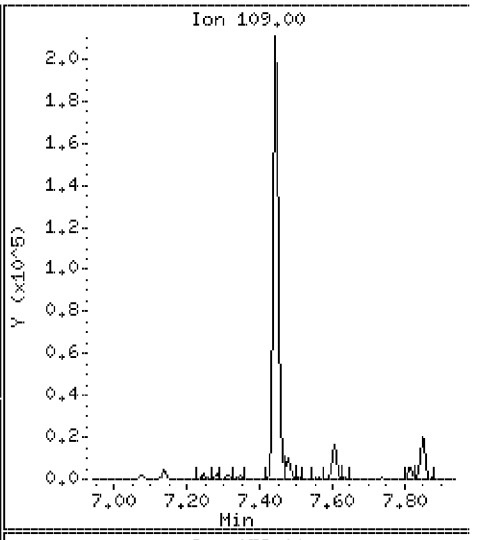
Column phase: HPMS-5

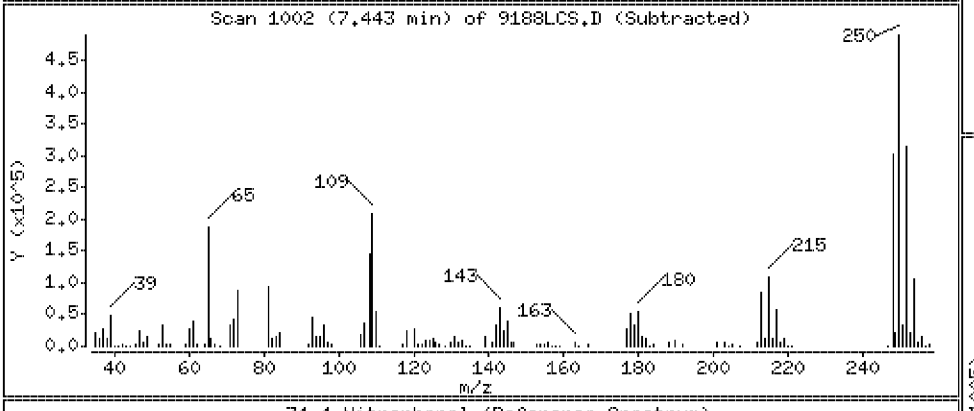
Column diameter: 0.25

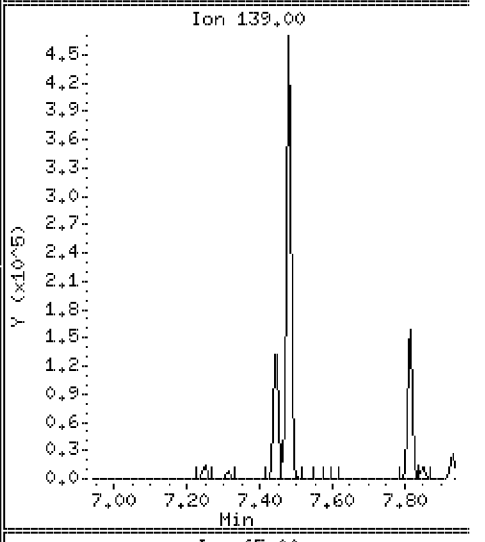
74 4-Nitrophenol

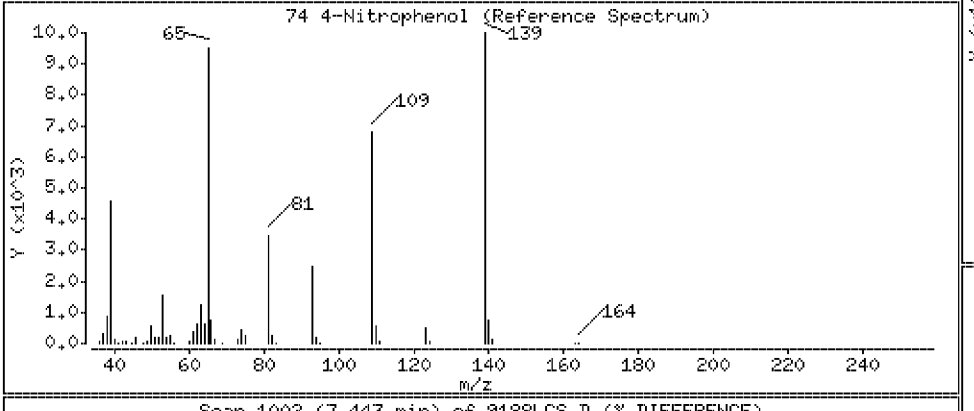
Concentration: 2140 ug/kg

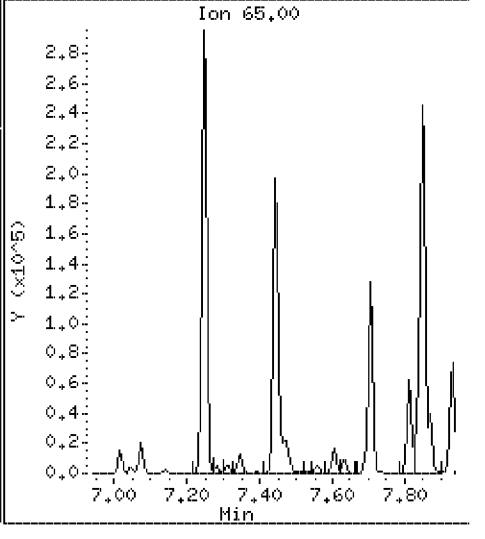


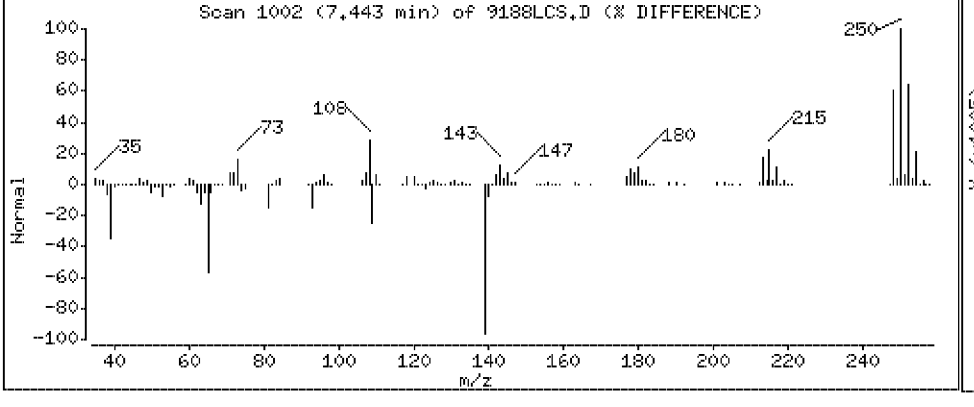












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

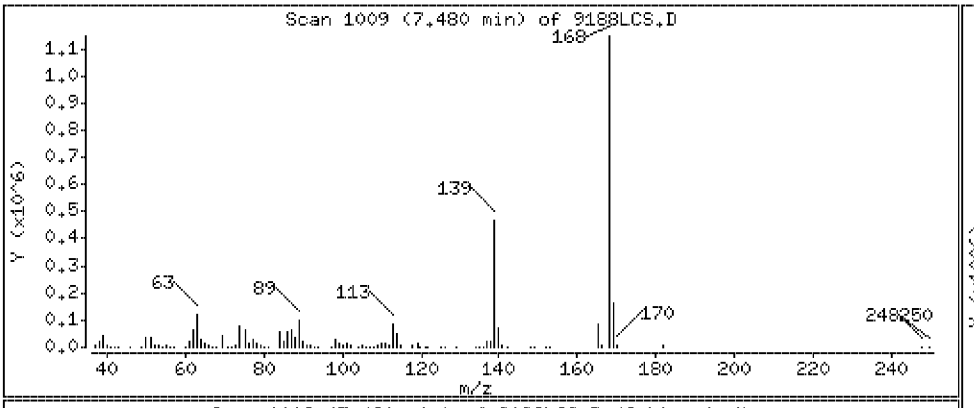
Operator: PEL

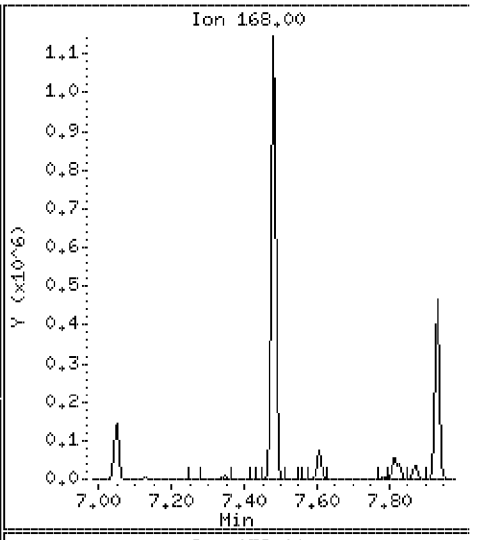
Column phase: HPMS-5

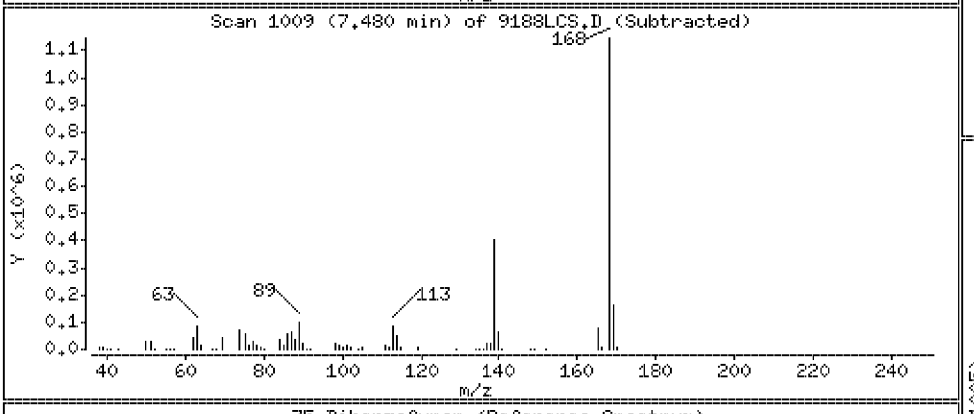
Column diameter: 0.25

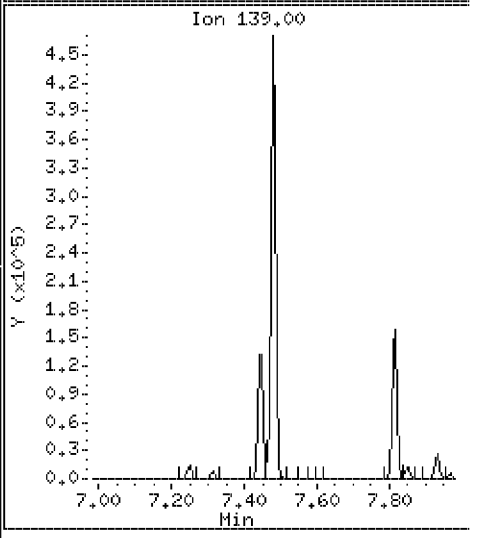
75 Dibenzofuran

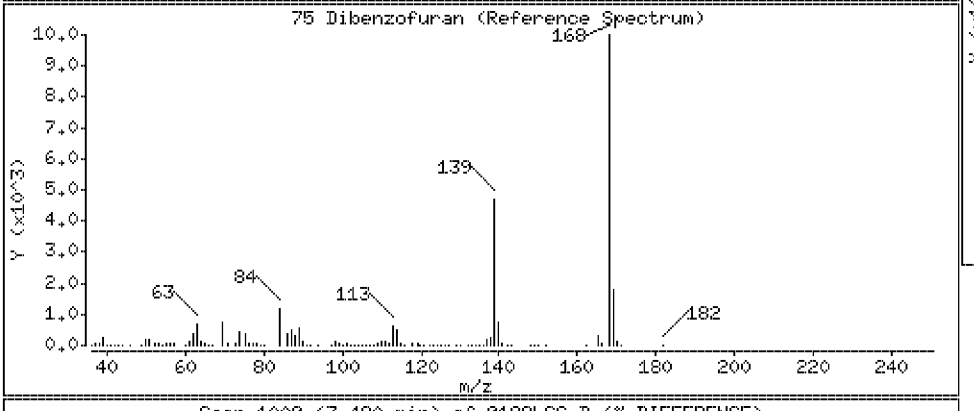
Concentration: 1800 ug/kg

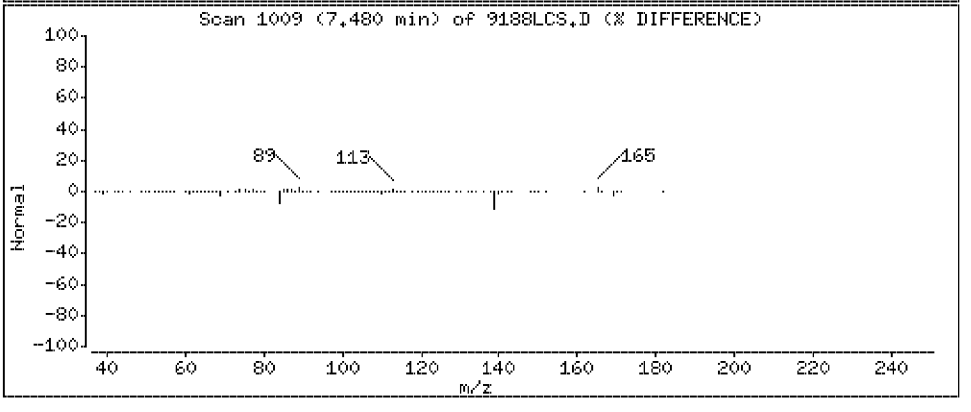












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

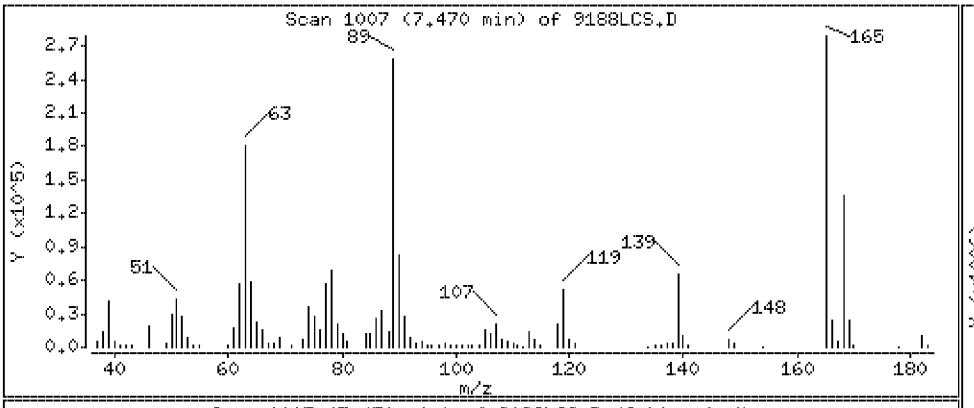
Operator: PEL

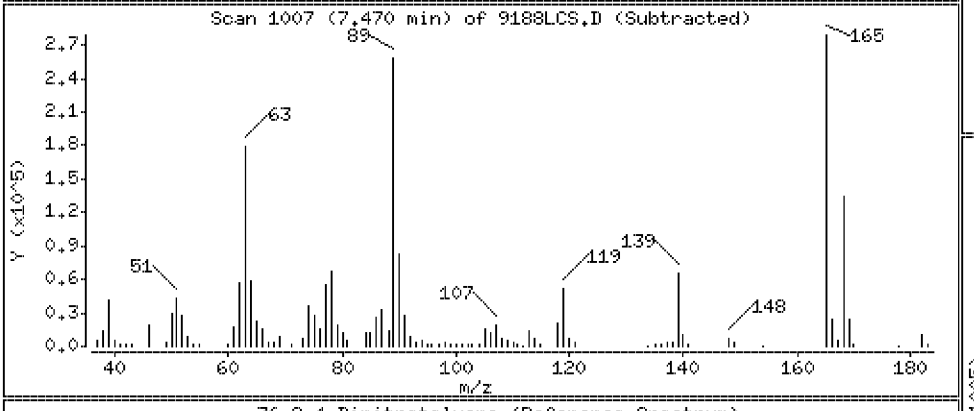
Column phase: HPMS-5

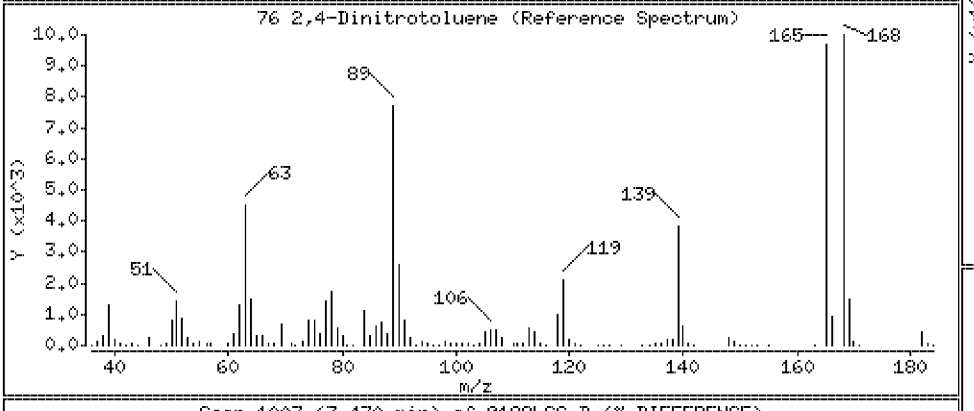
Column diameter: 0.25

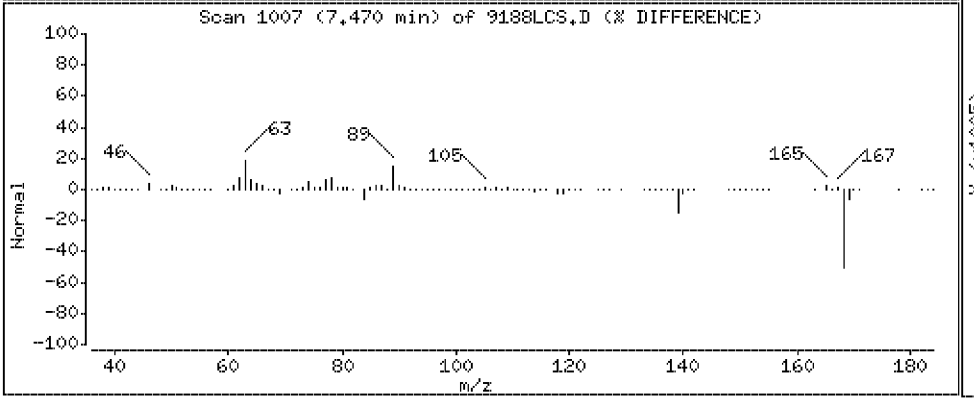
76 2,4-Dinitrotoluene

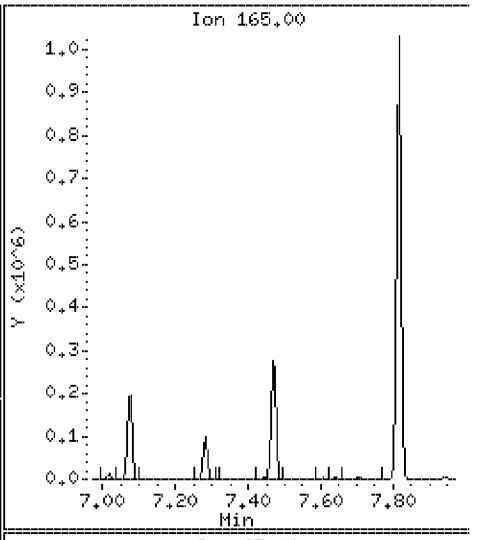
Concentration: 1860 ug/kg

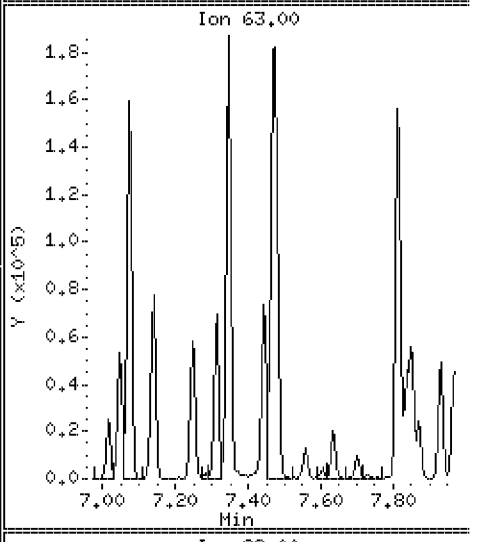


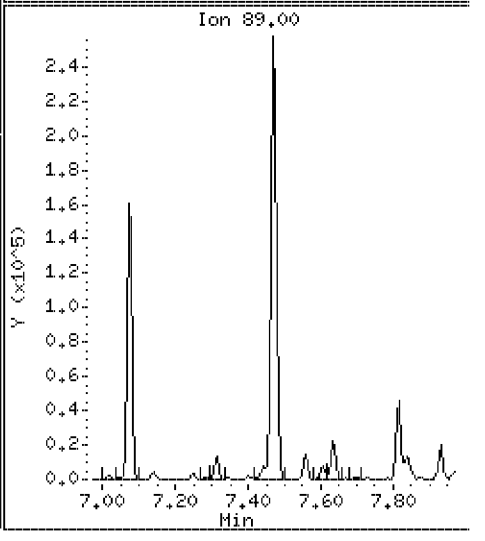












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

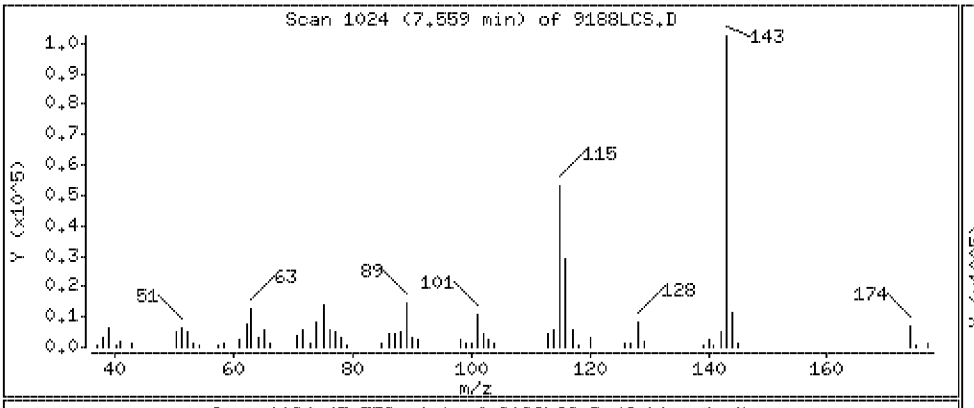
Operator: PEL

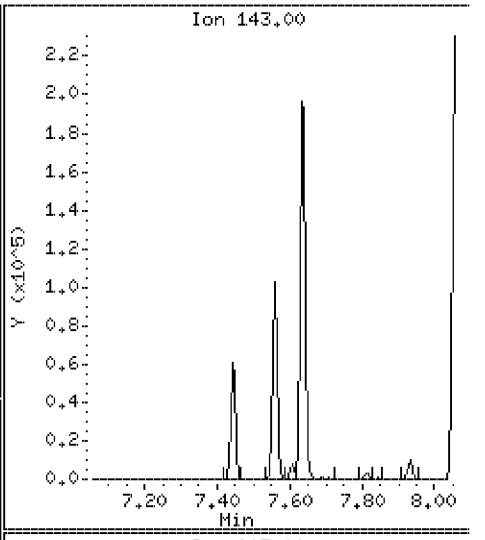
Column phase: HPMS-5

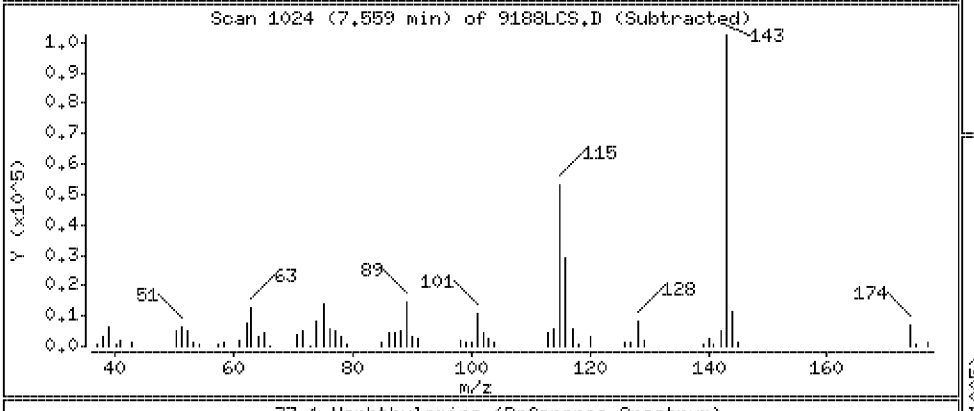
Column diameter: 0.25

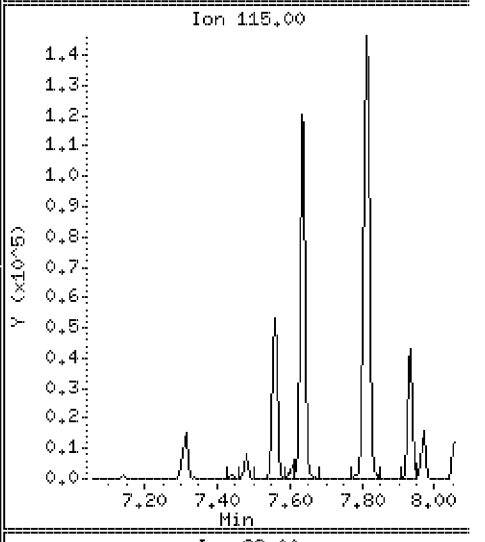
77 1-Naphthylamine

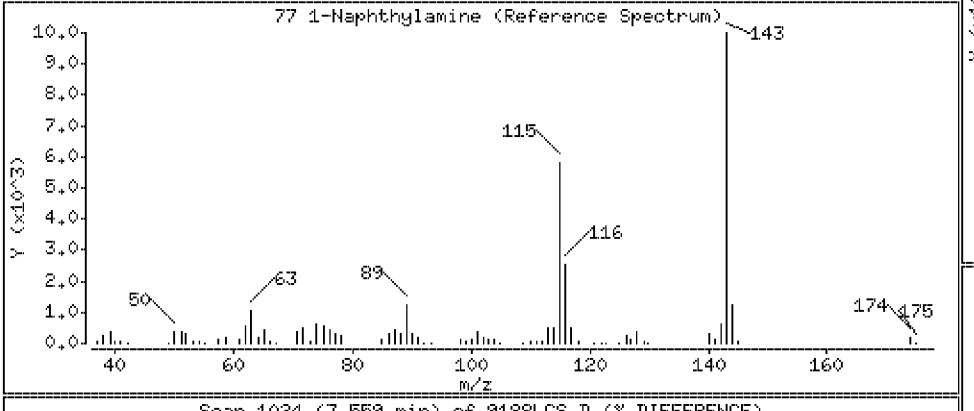
Concentration: 390 ug/kg

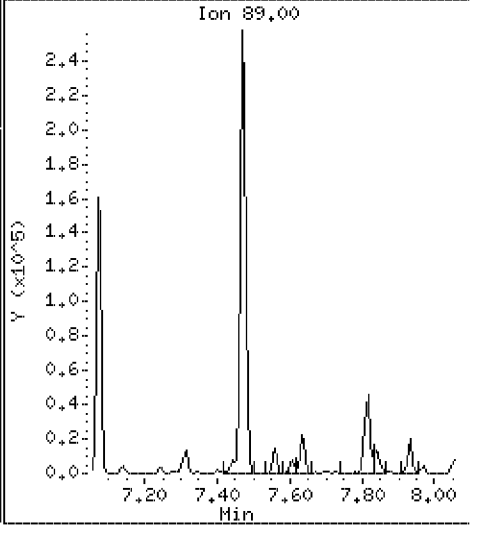


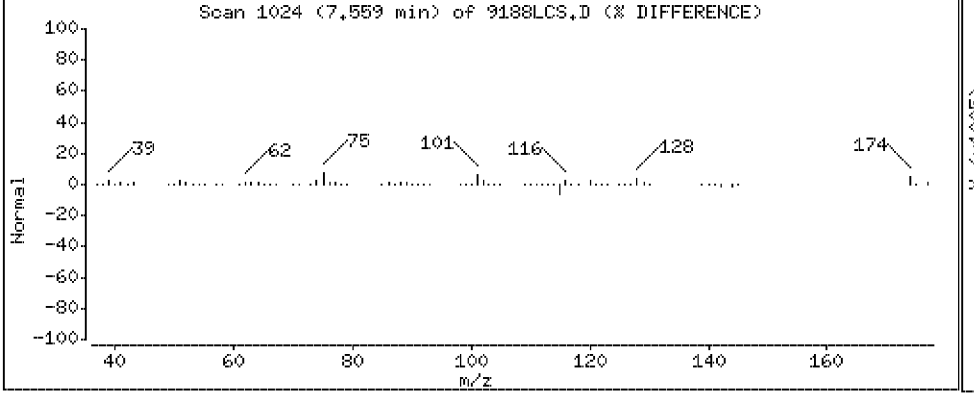












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

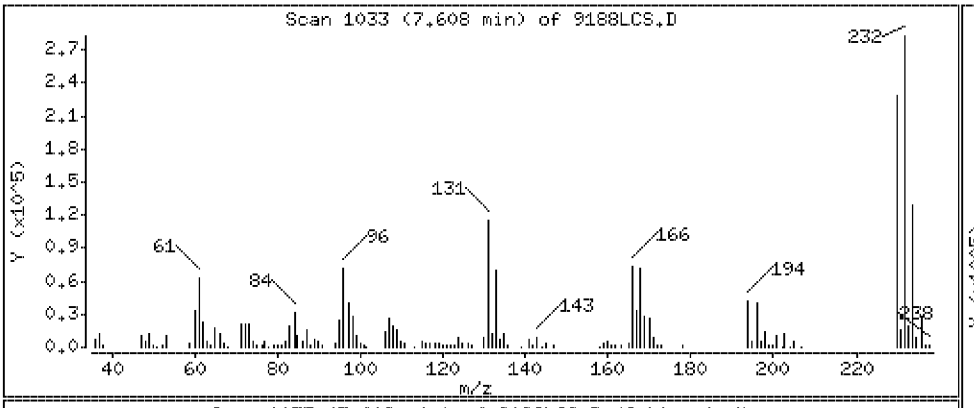
Operator: PEL

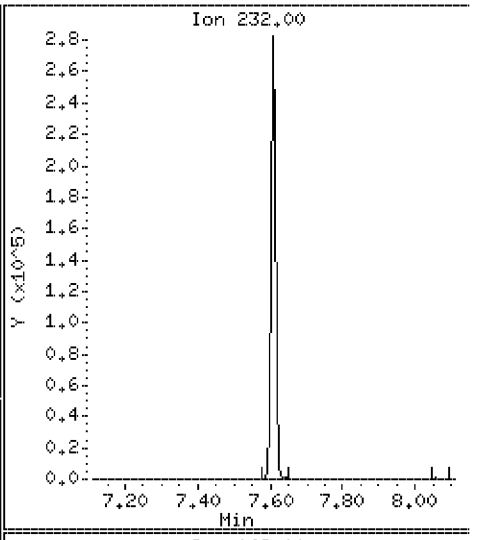
Column phase: HPMS-5

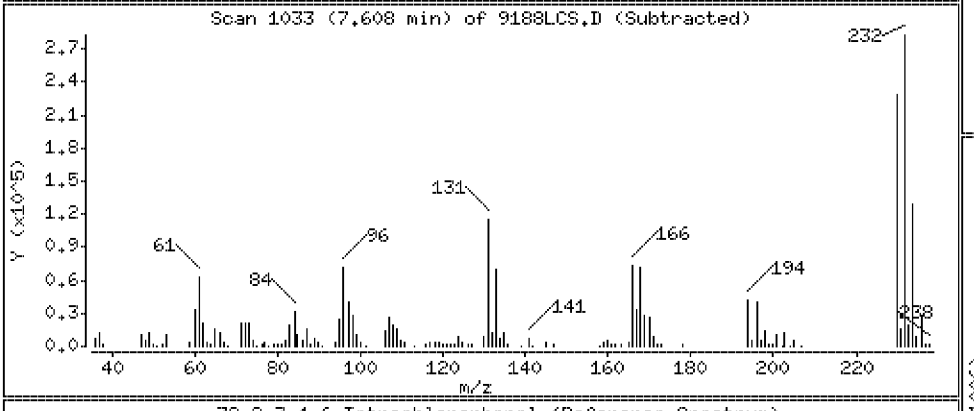
Column diameter: 0.25

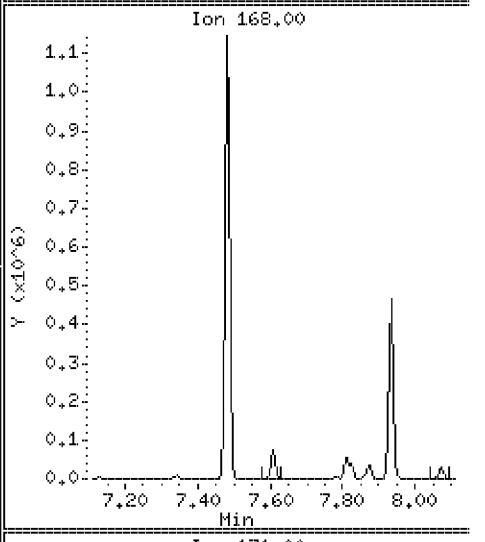
78 2,3,4,6-Tetrachlorophenol

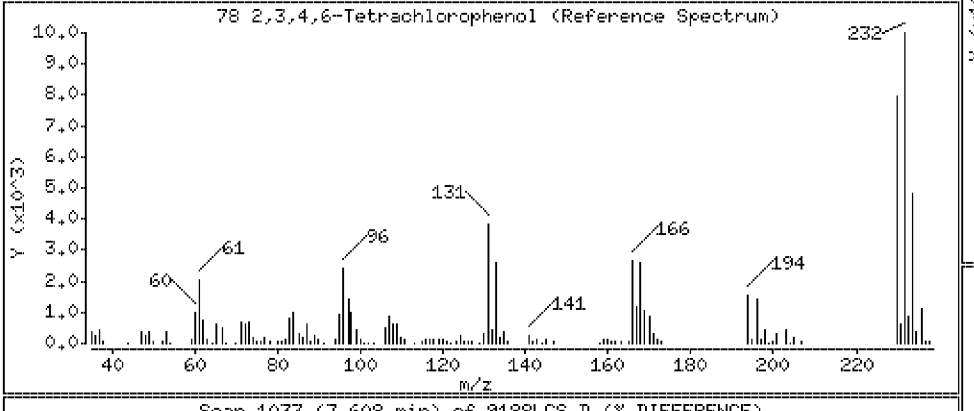
Concentration: 1830 ug/kg

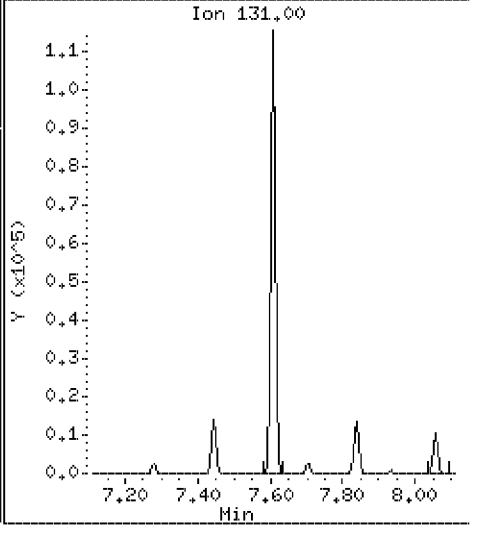


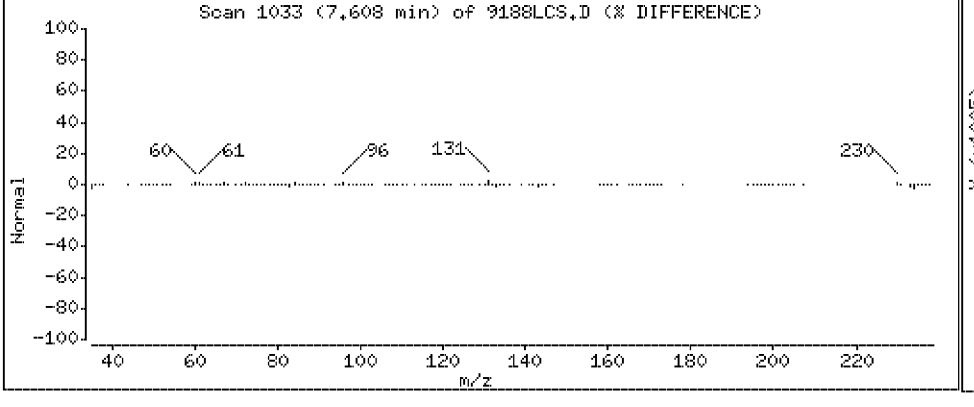












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

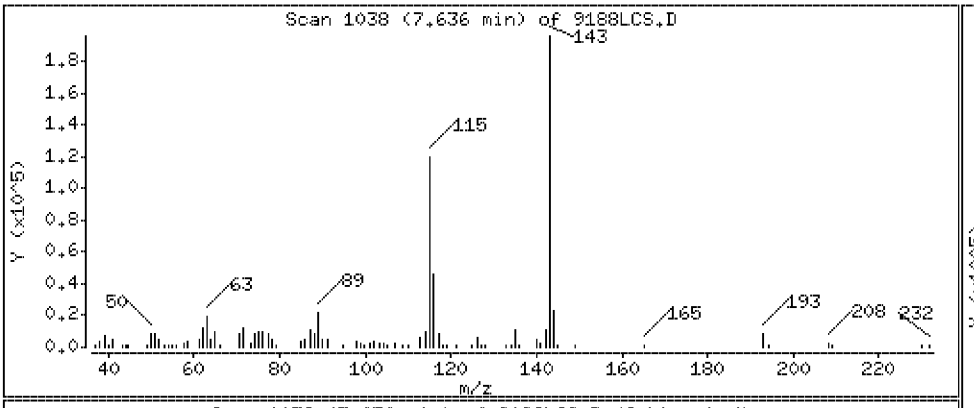
Operator: PEL

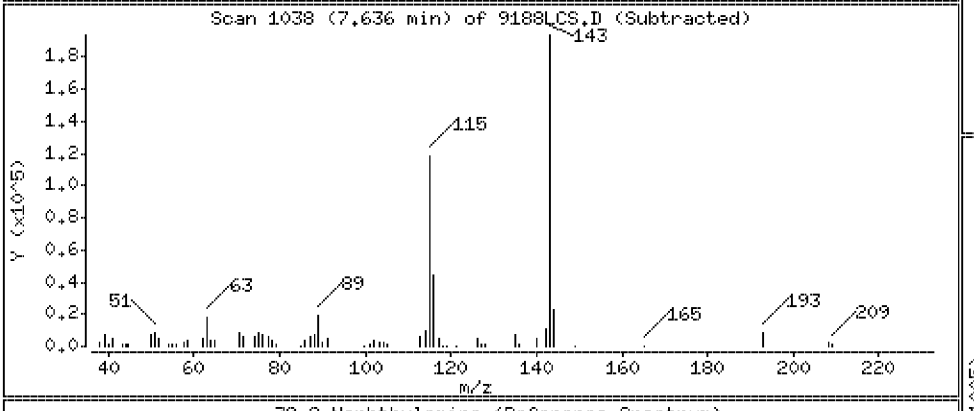
Column phase: HPMS-5

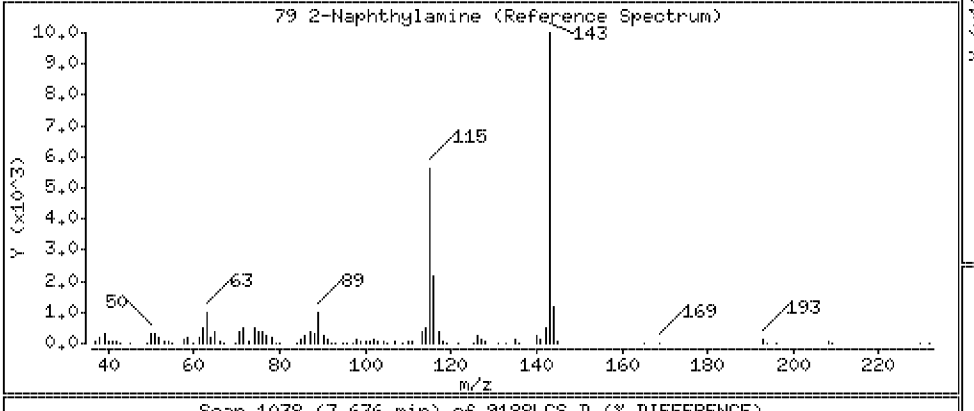
Column diameter: 0.25

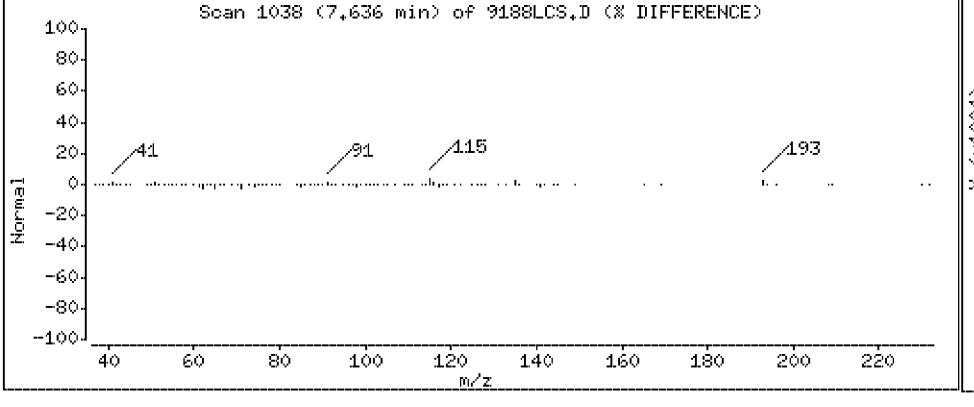
79 2-Naphthylamine

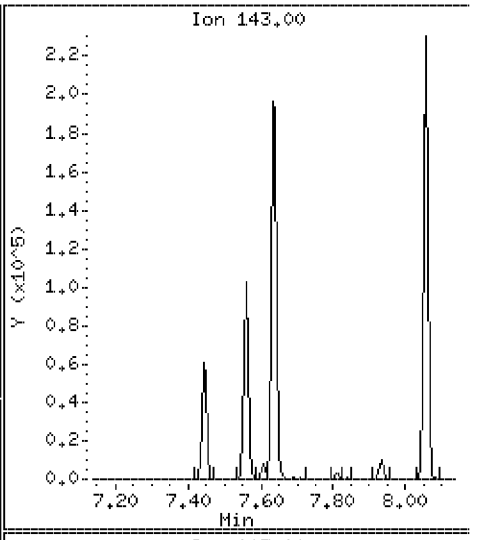
Concentration: 633 ug/kg

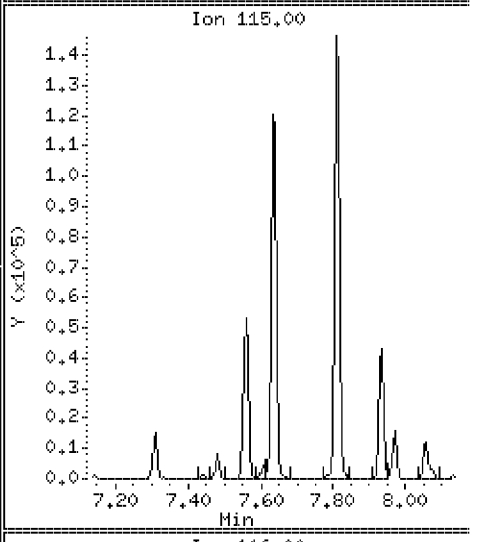


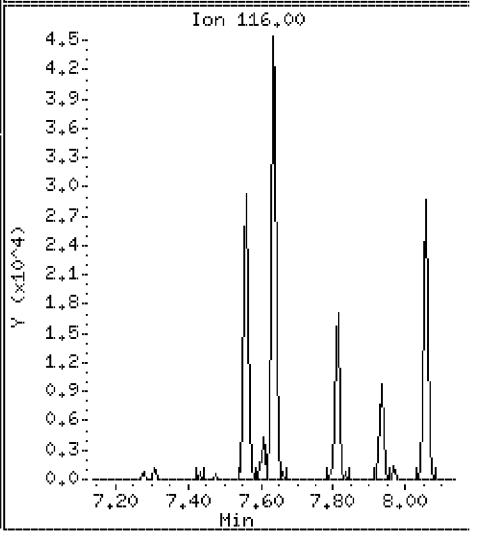












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

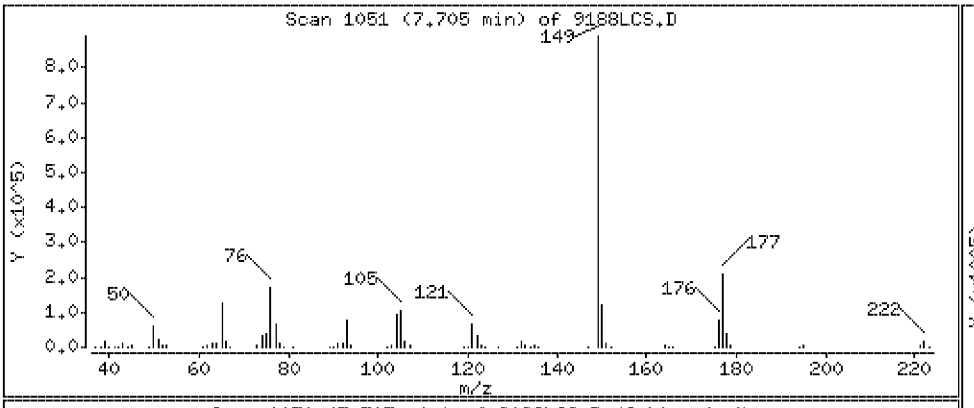
Operator: PEL

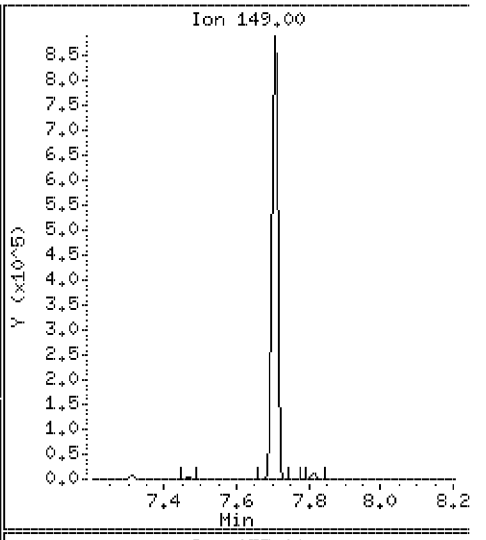
Column phase: HPMS-5

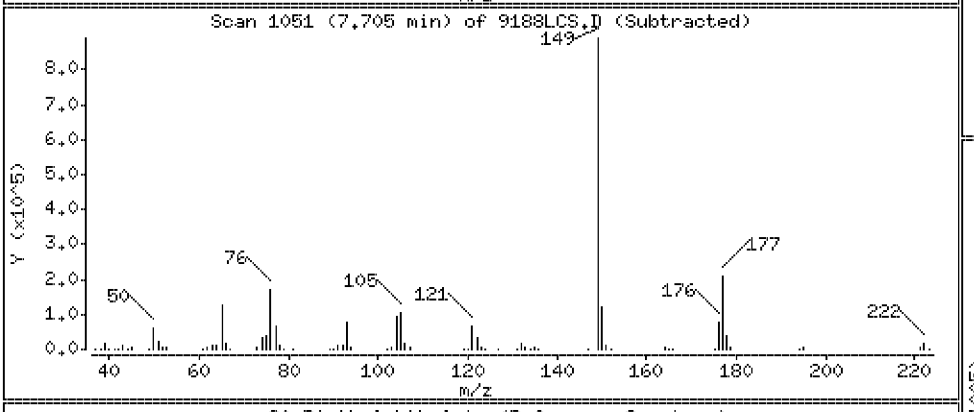
Column diameter: 0.25

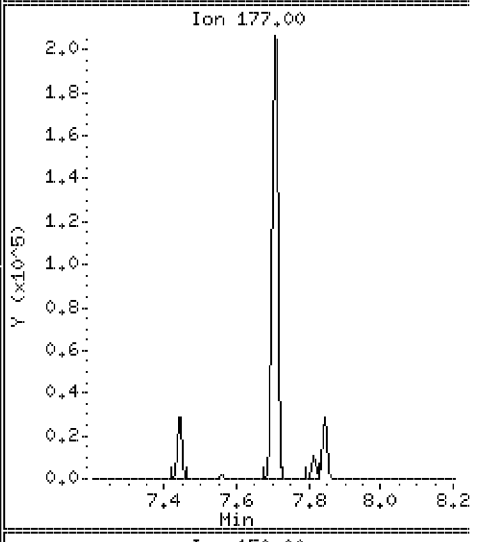
80 Diethylphthalate

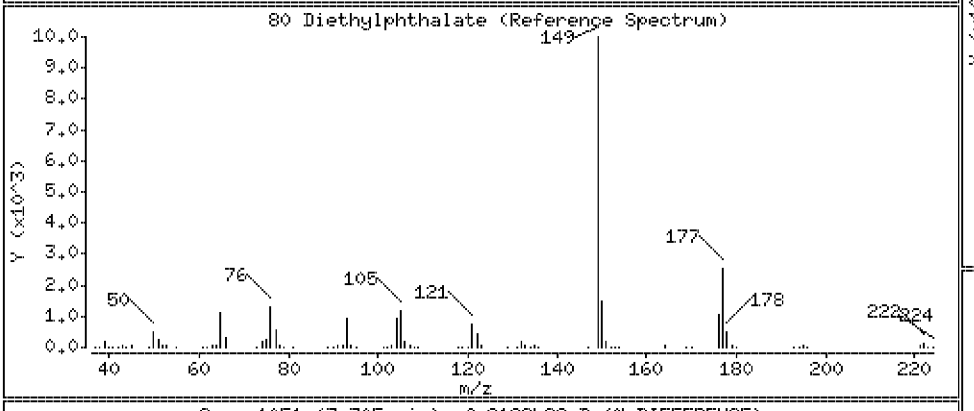
Concentration: 1970 ug/kg

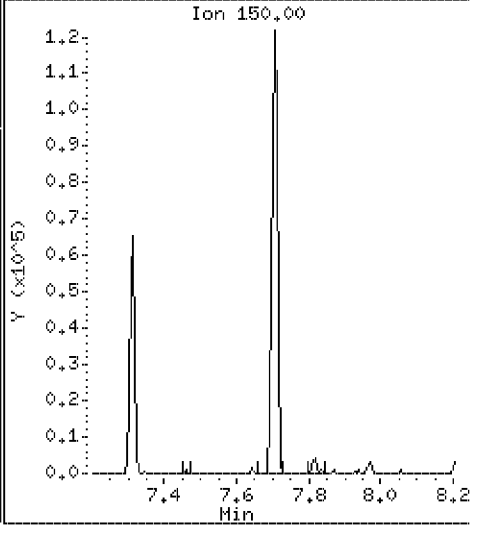


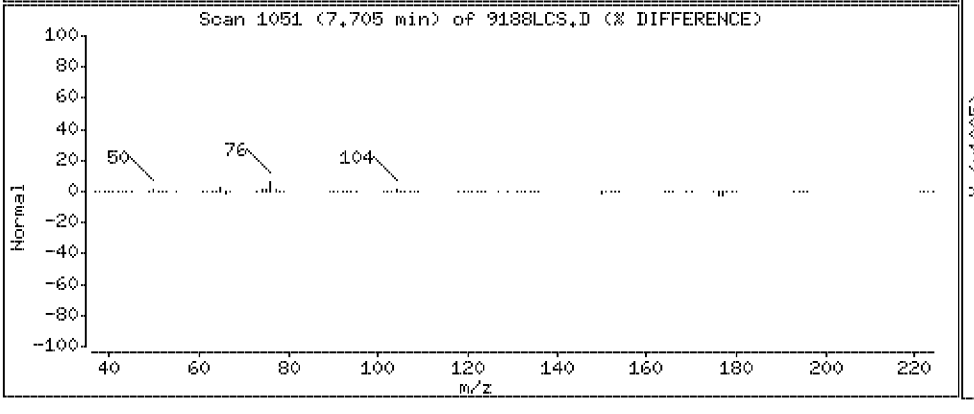












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

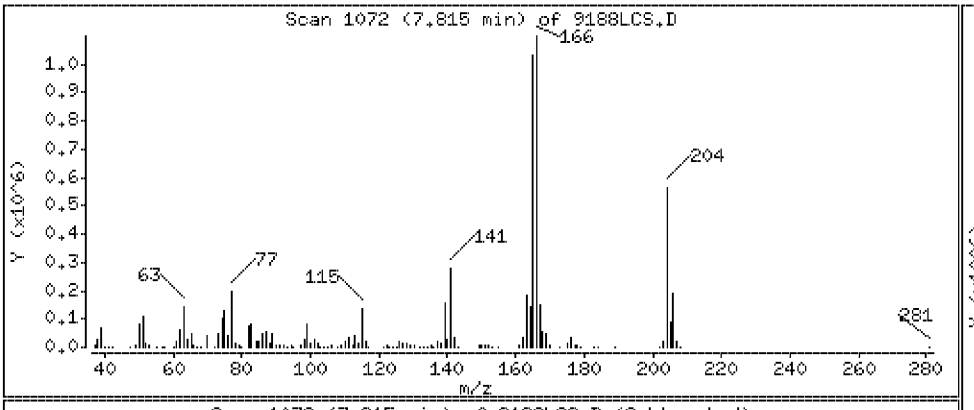
Operator: PEL

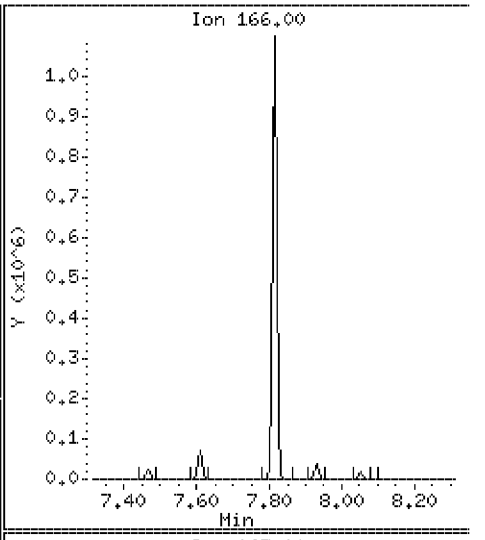
Column phase: HPMS-5

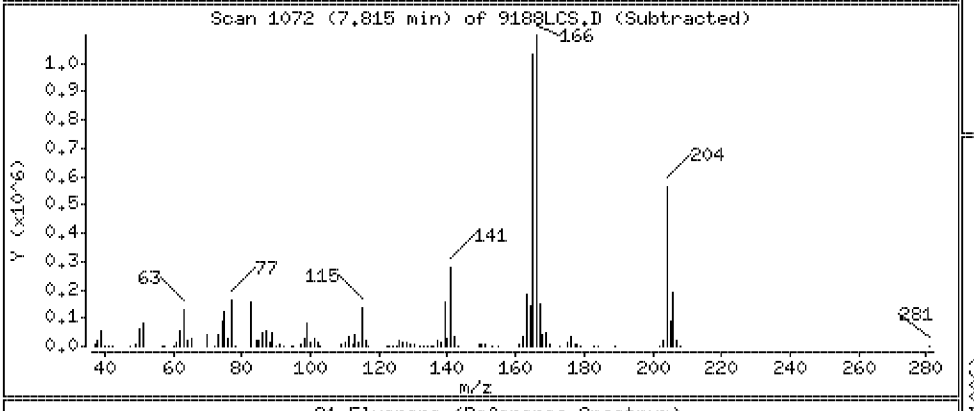
Column diameter: 0.25

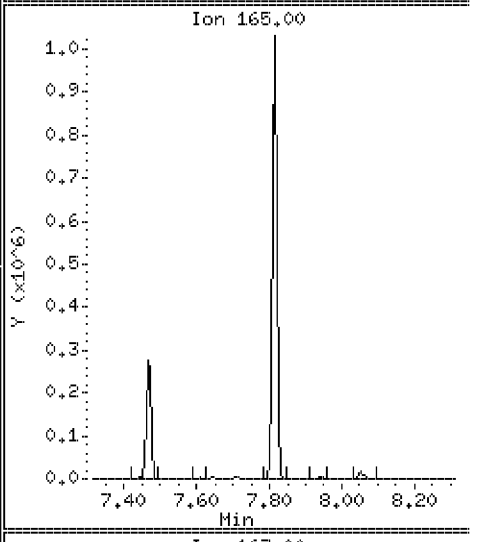
81 Fluorene

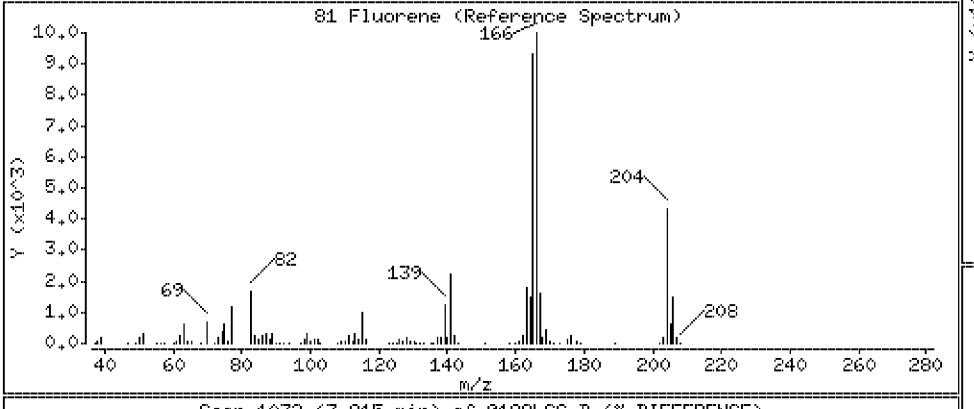
Concentration: 1870 ug/kg

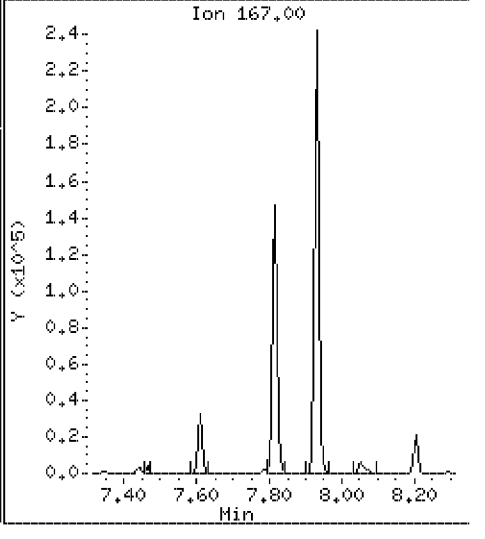


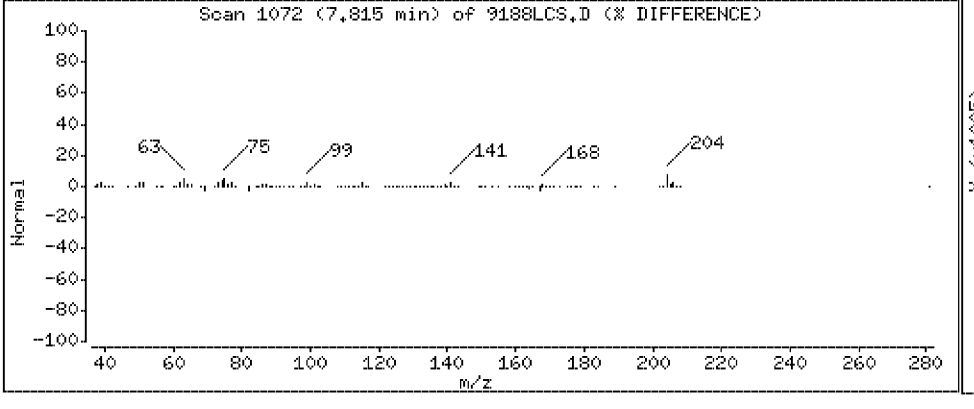












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

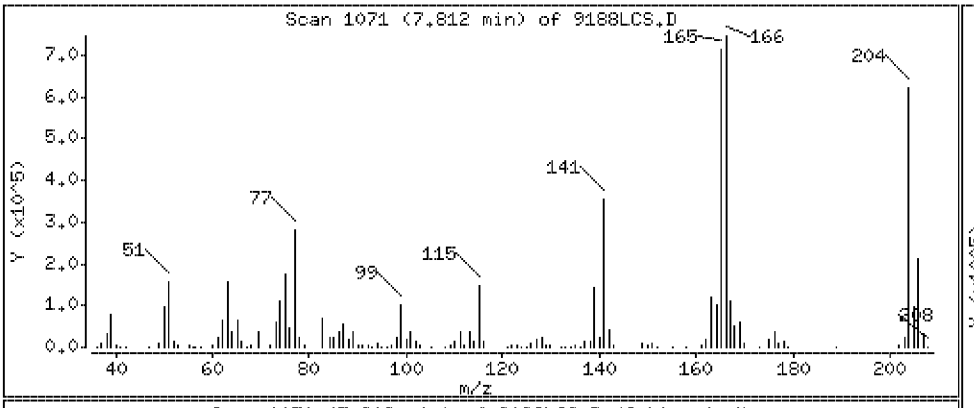
Operator: PEL

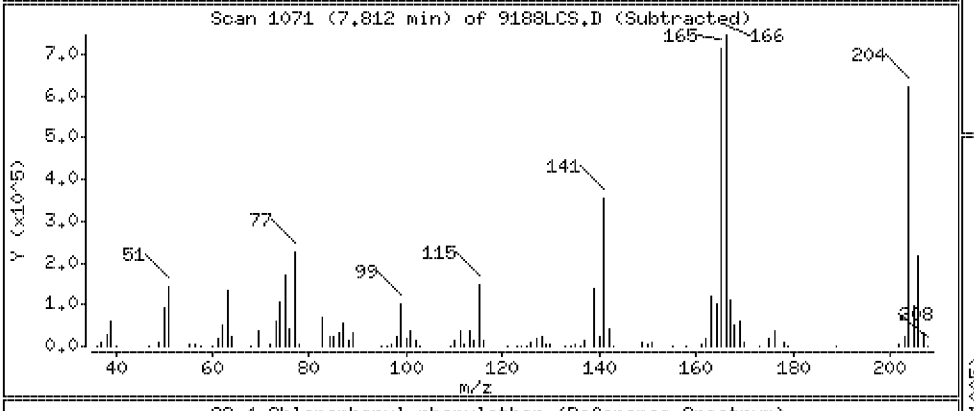
Column phase: HPMS-5

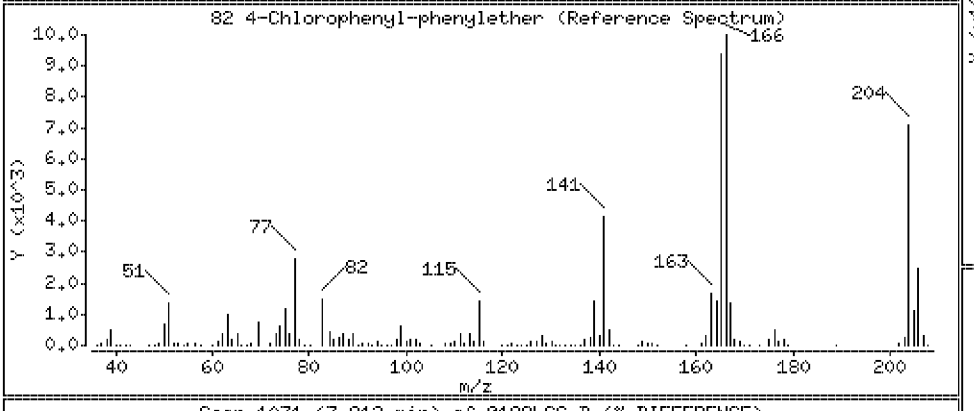
Column diameter: 0.25

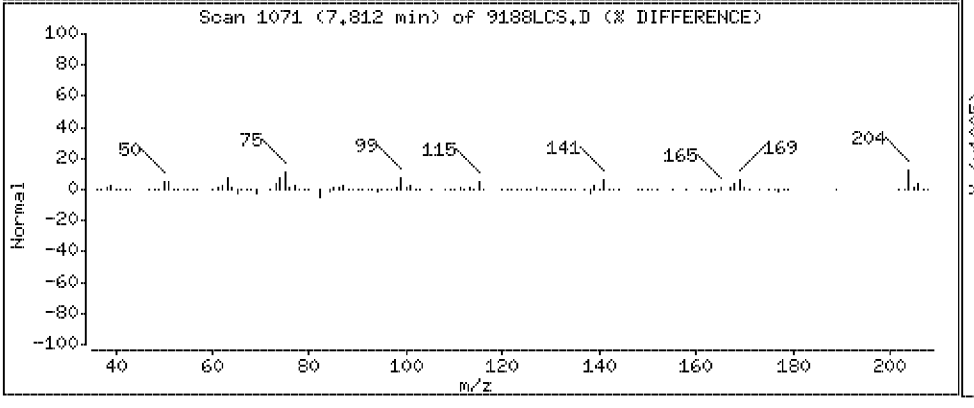
82 4-Chlorophenyl-phenylether

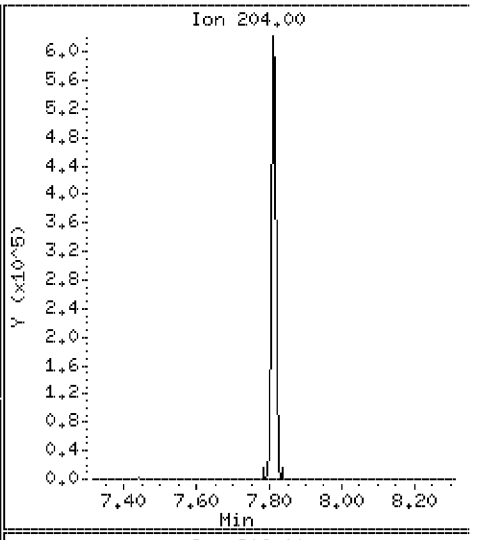
Concentration: 1840 ug/kg

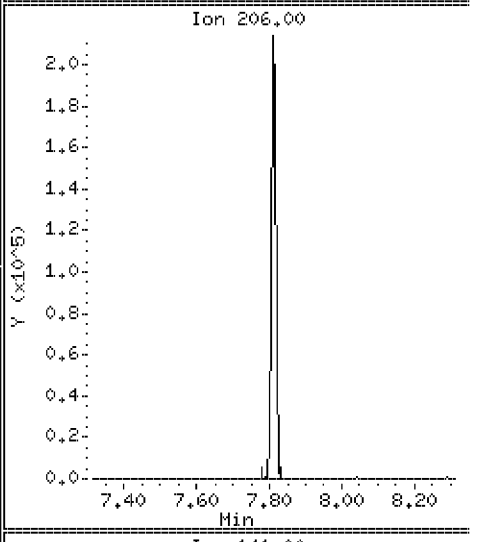


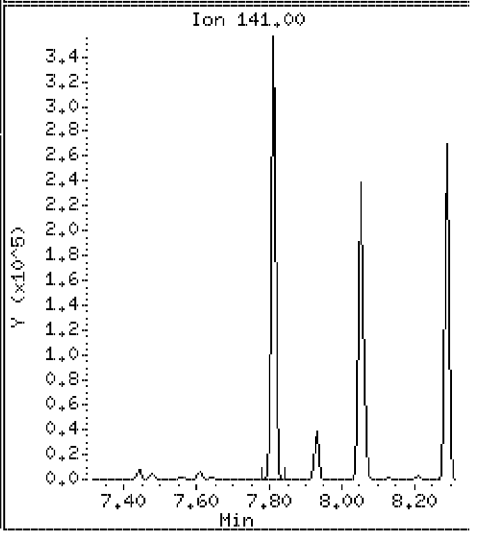












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

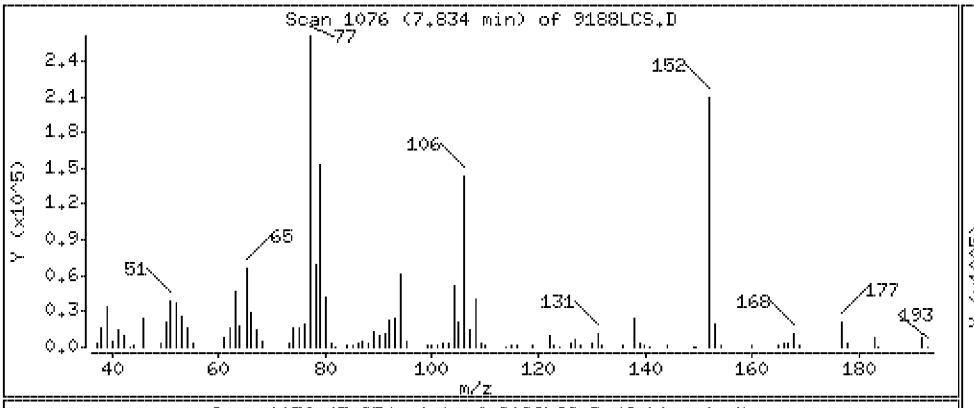
Operator: PEL

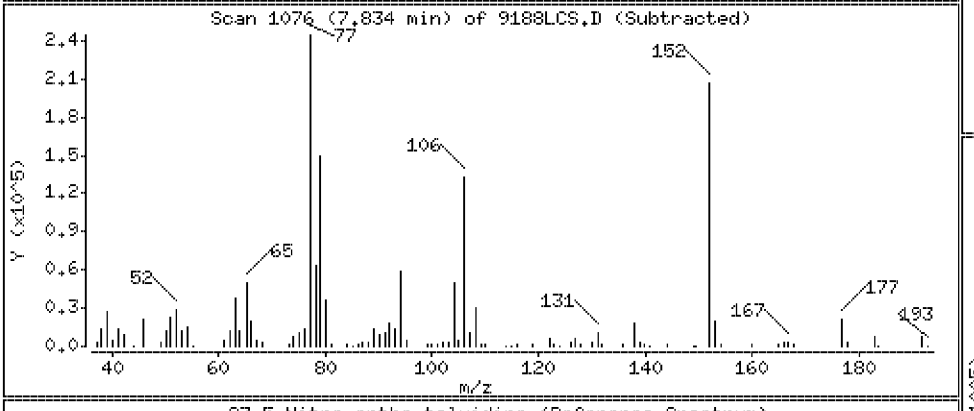
Column phase: HPMS-5

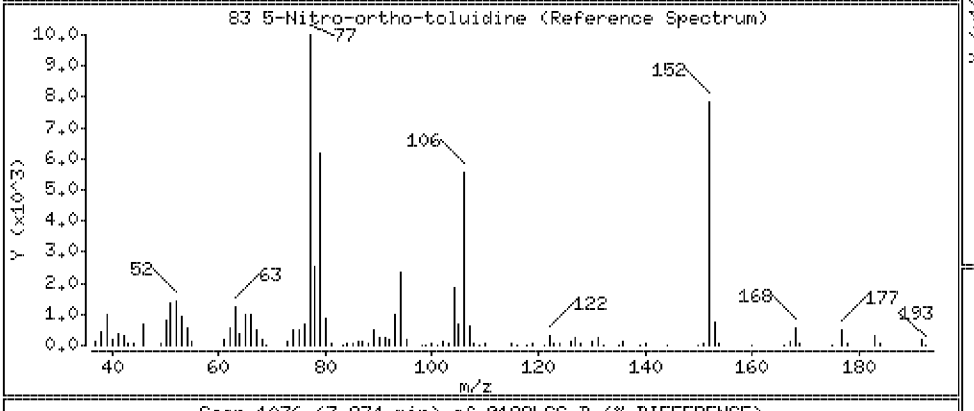
Column diameter: 0.25

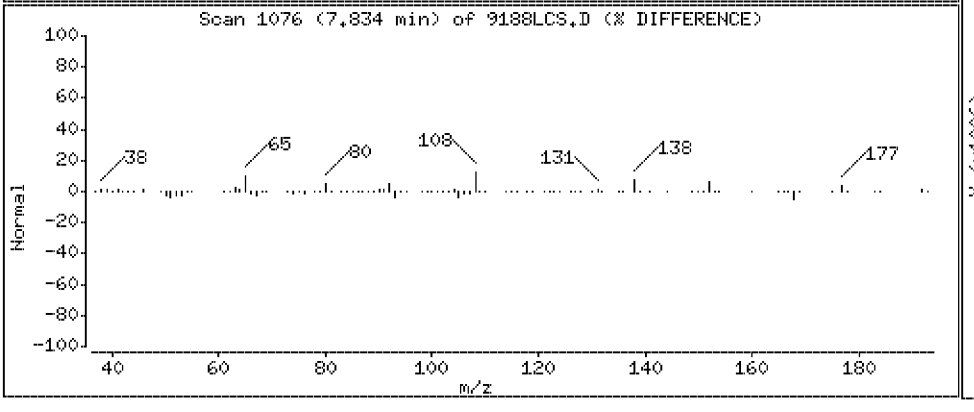
83 5-Nitro-ortho-toluidine

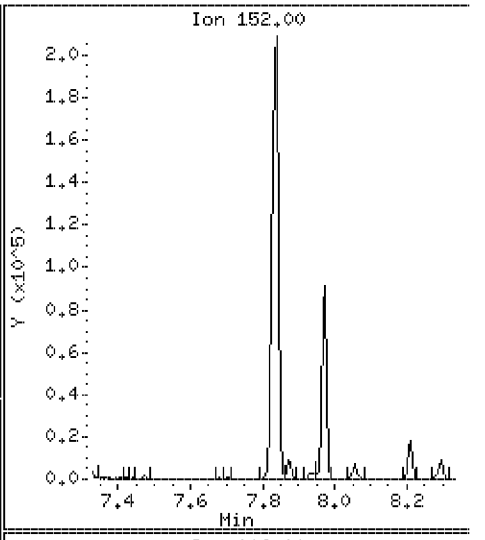
Concentration: 1820 ug/kg

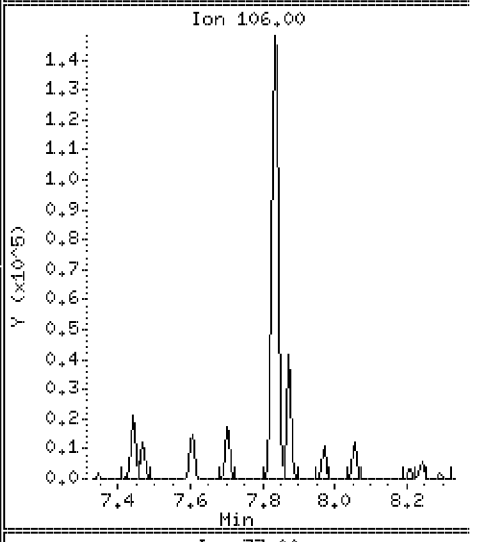


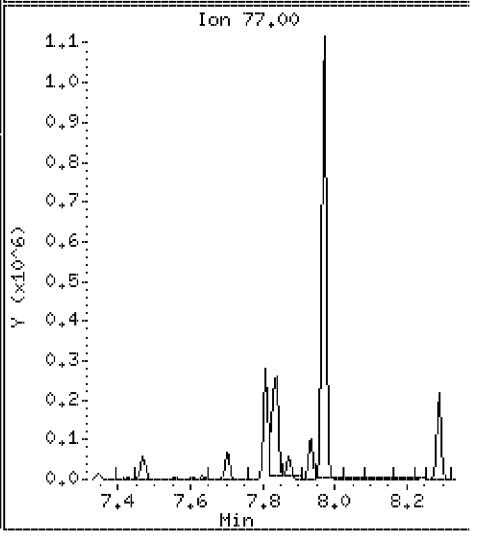












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

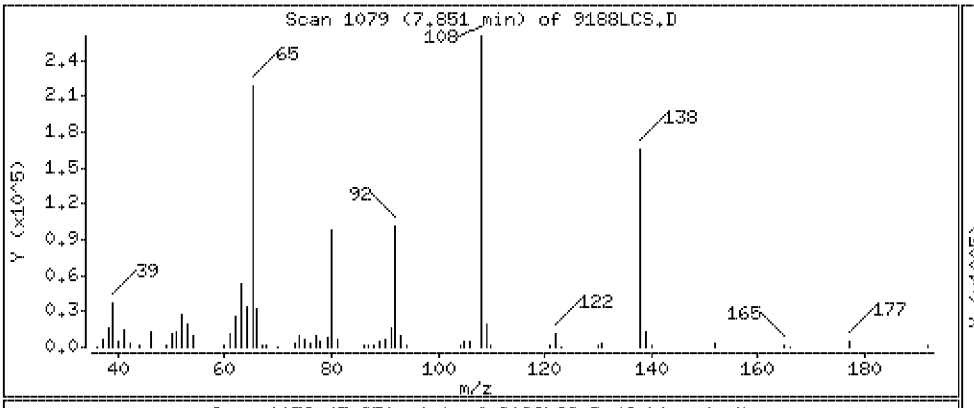
Operator: PEL

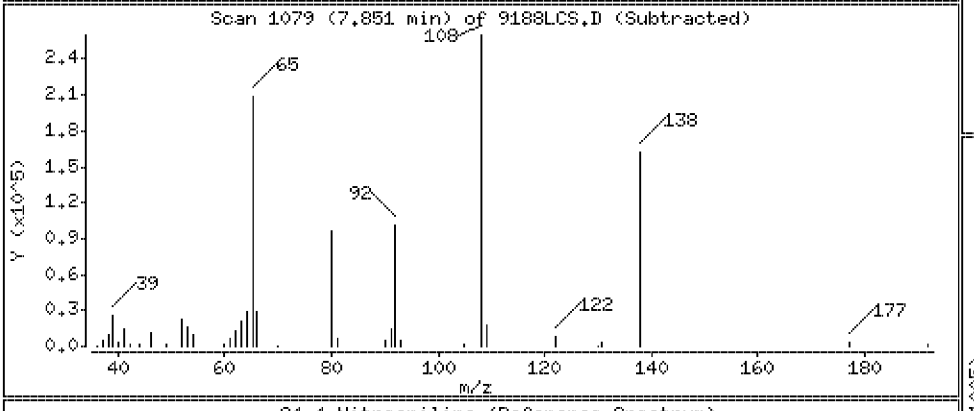
Column phase: HPMS-5

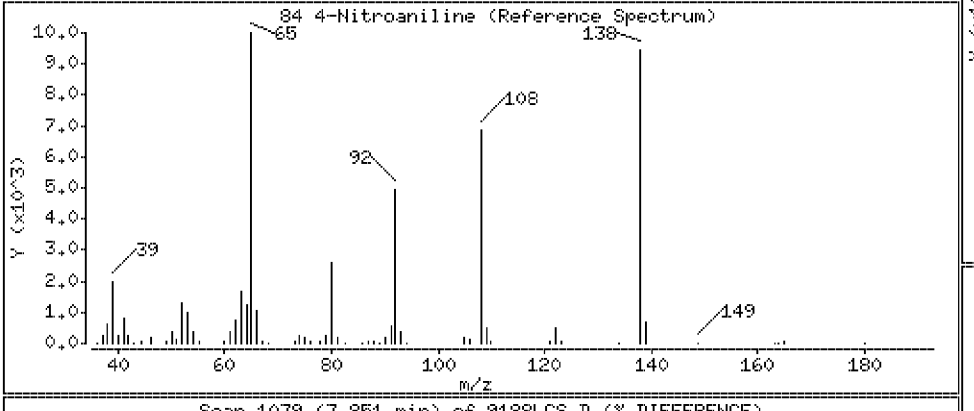
Column diameter: 0.25

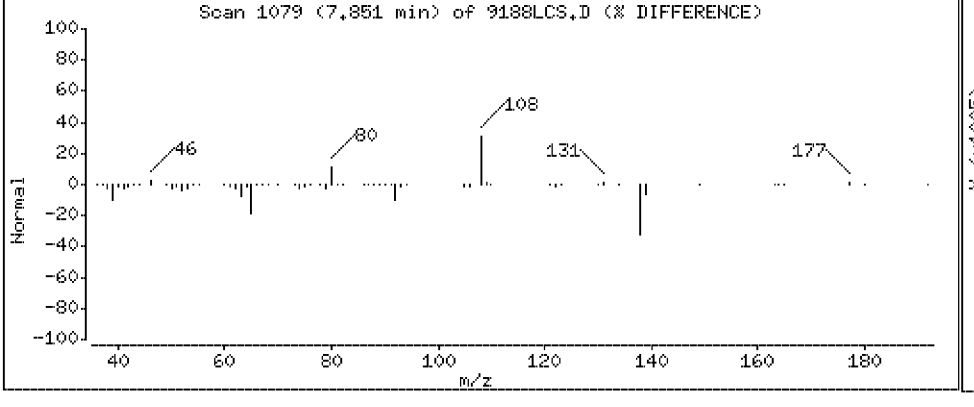
84 4-Nitroaniline

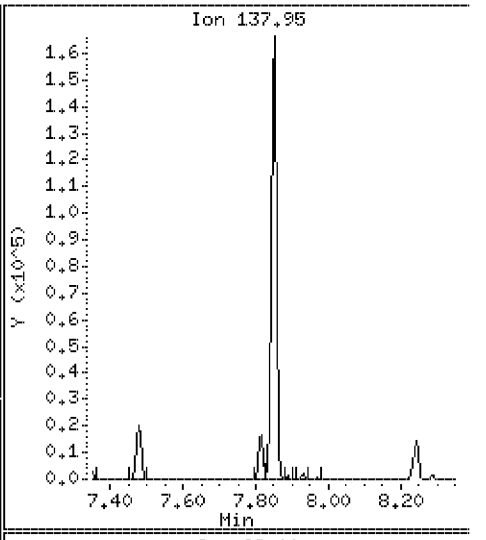
Concentration: 2110 ug/kg

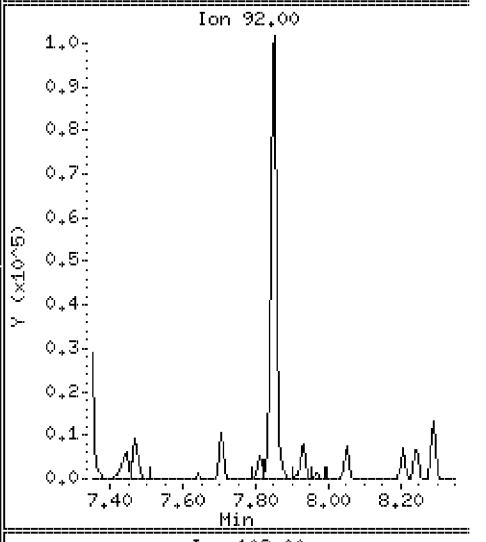


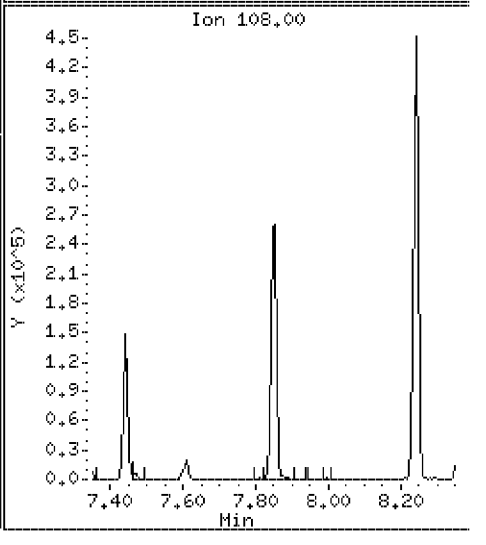












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

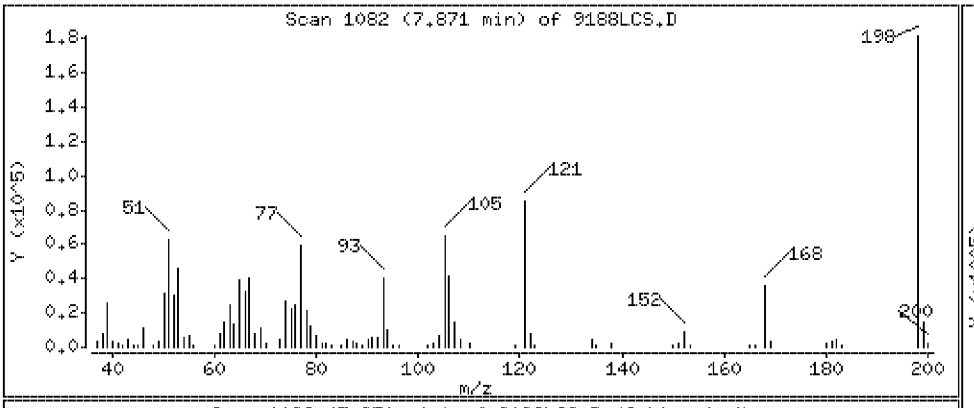
Operator: PEL

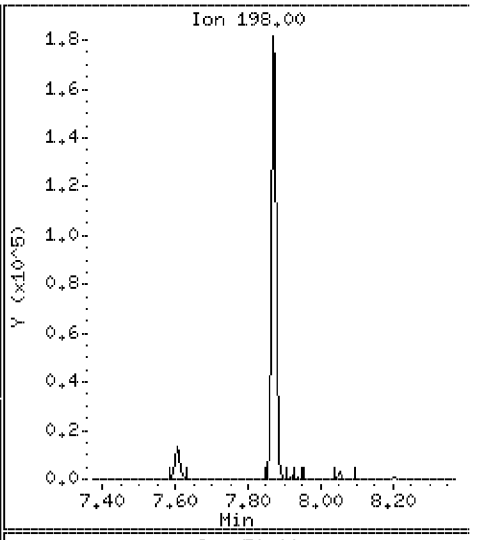
Column phase: HPMS-5

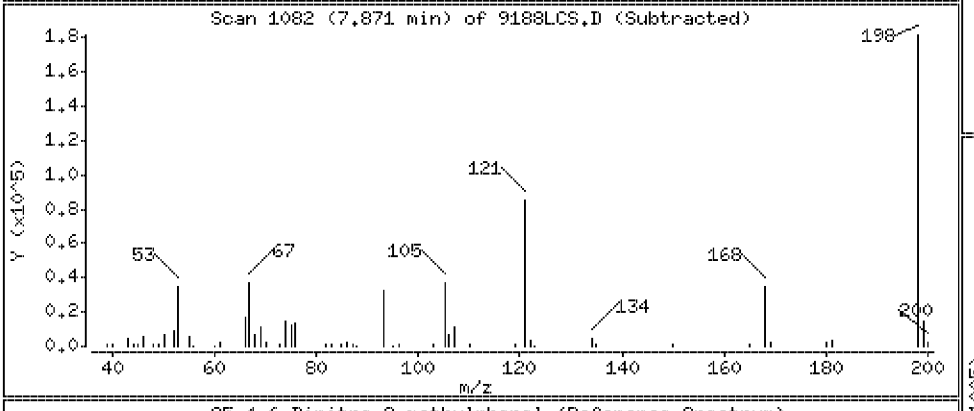
Column diameter: 0.25

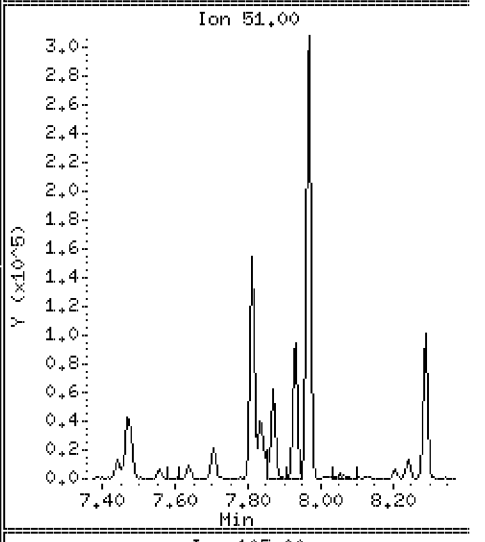
85 4,6-Dinitro-2-methylphenol

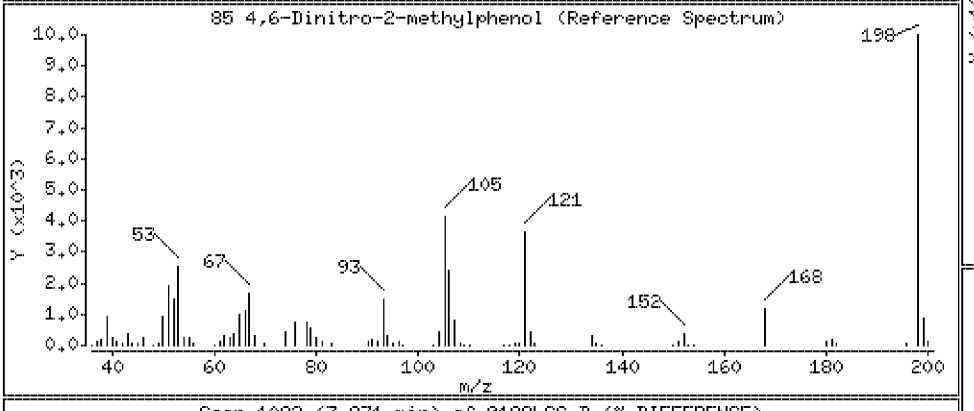
Concentration: 1500 ug/kg

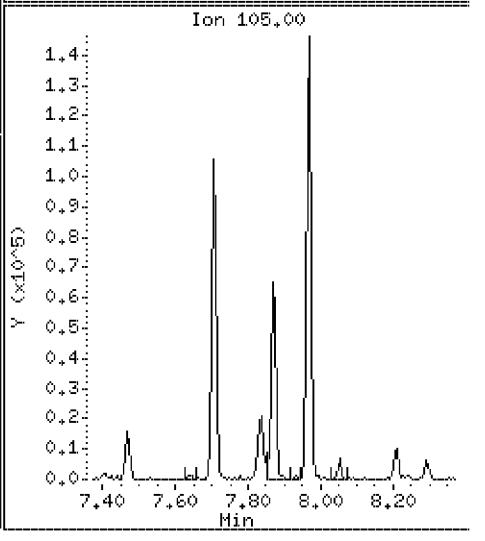


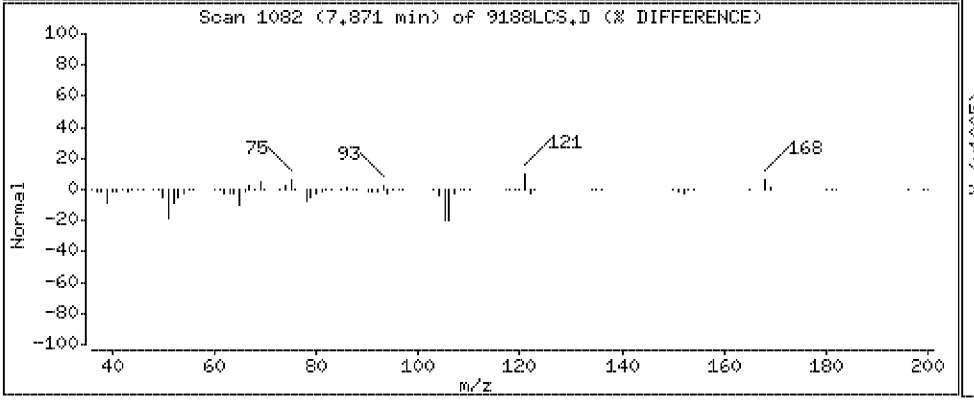












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

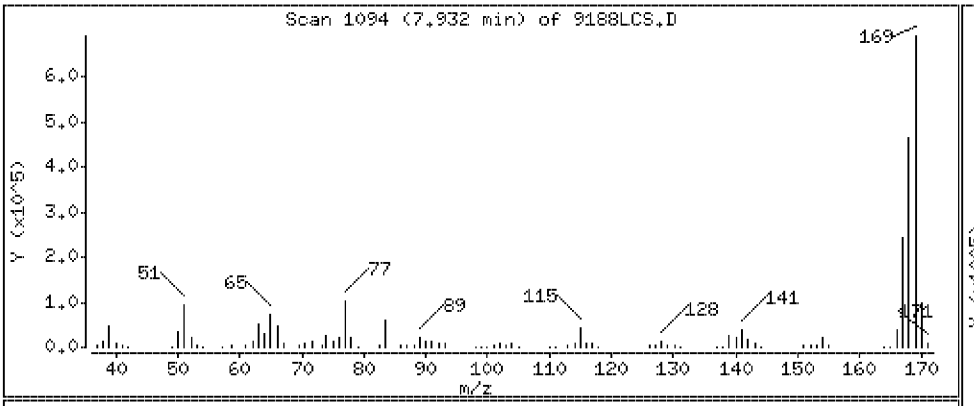
Operator: PEL

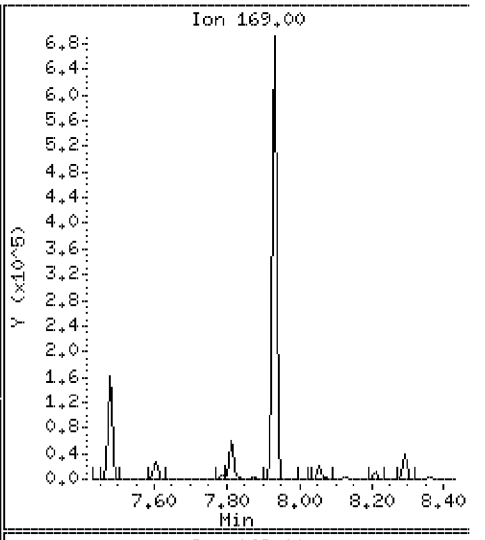
Column phase: HPMS-5

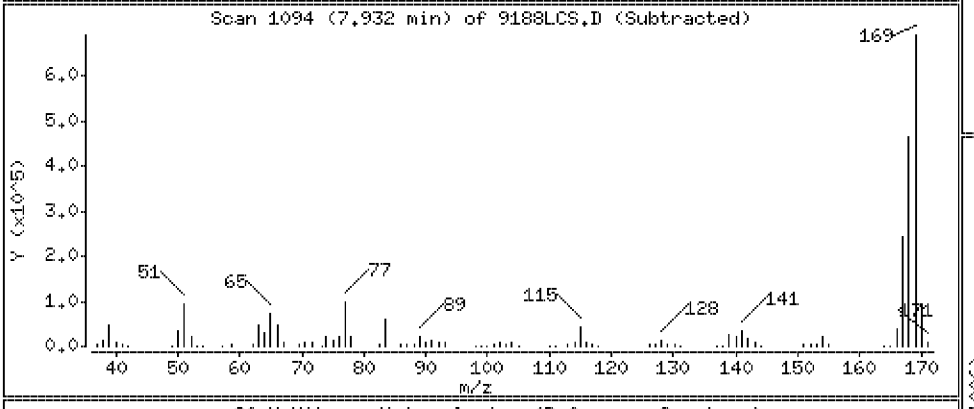
Column diameter: 0.25

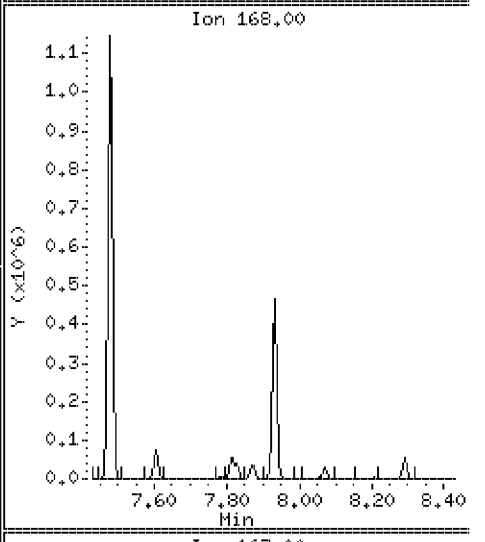
86 N-Nitrosodiphenylamine

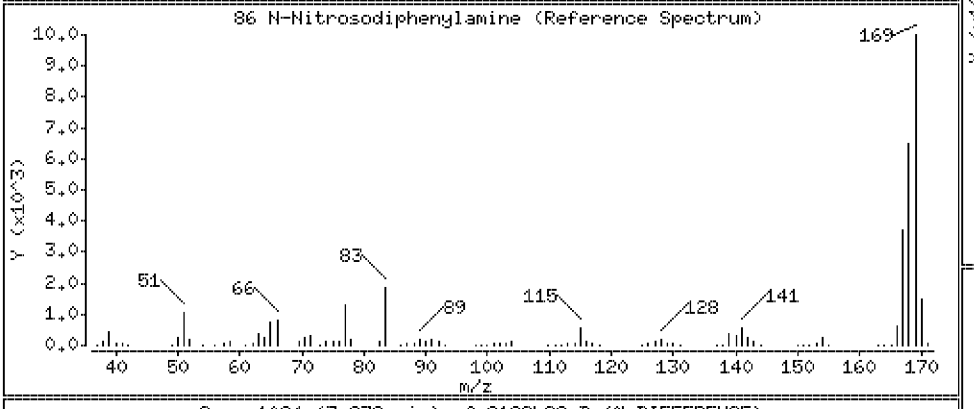
Concentration: 1770 ug/kg

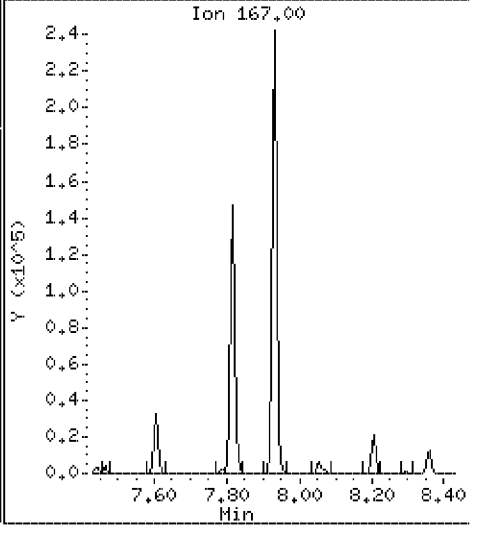


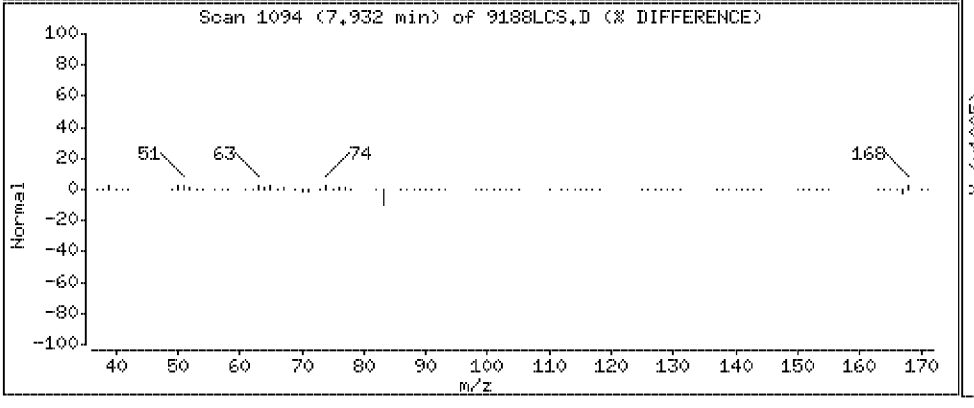












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

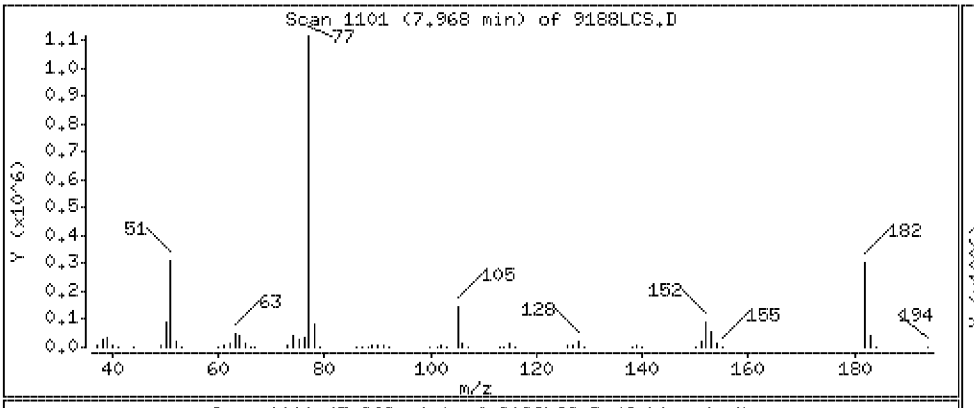
Operator: PEL

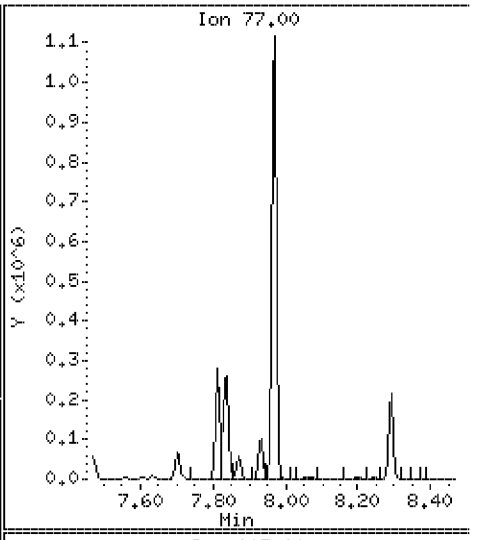
Column phase: HPMS-5

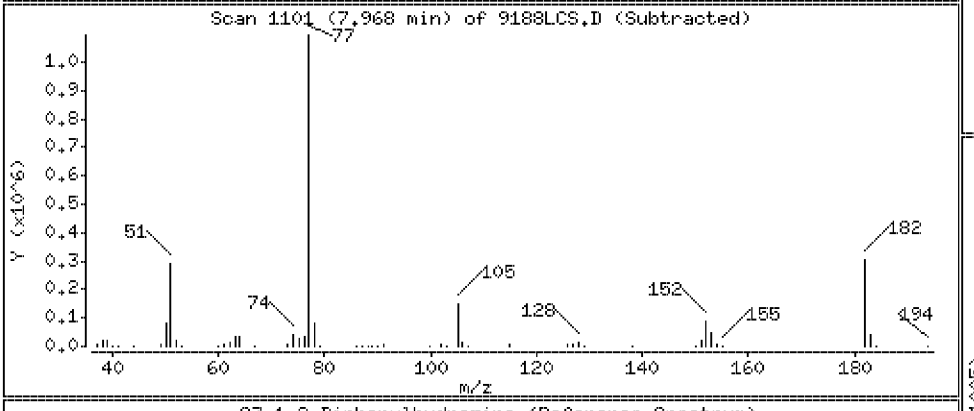
Column diameter: 0.25

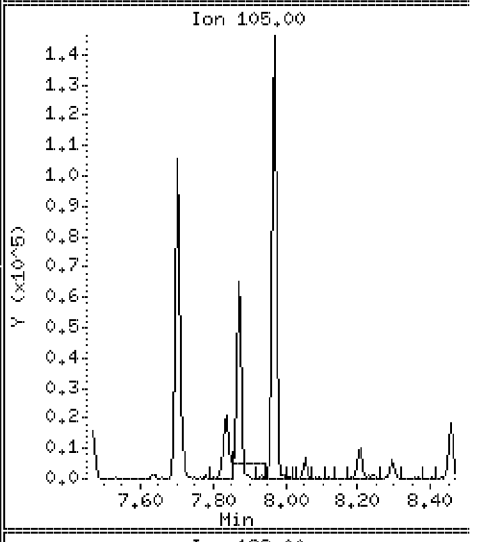
87 1,2-Diphenylhydrazine

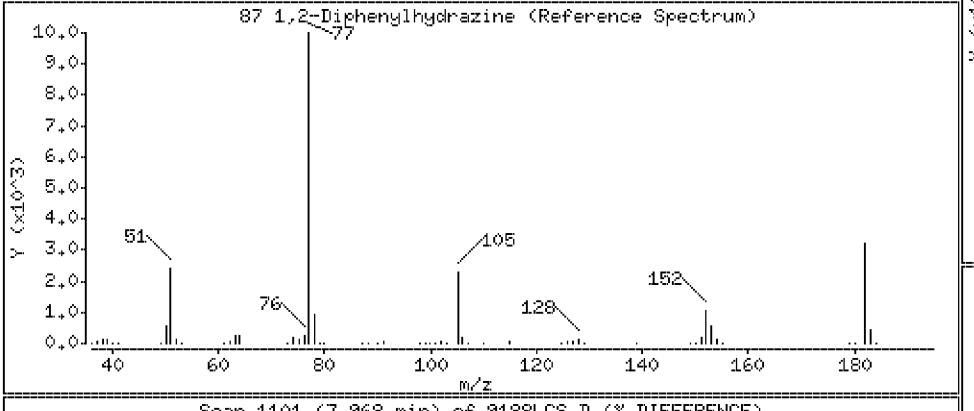
Concentration: 2070 ug/kg

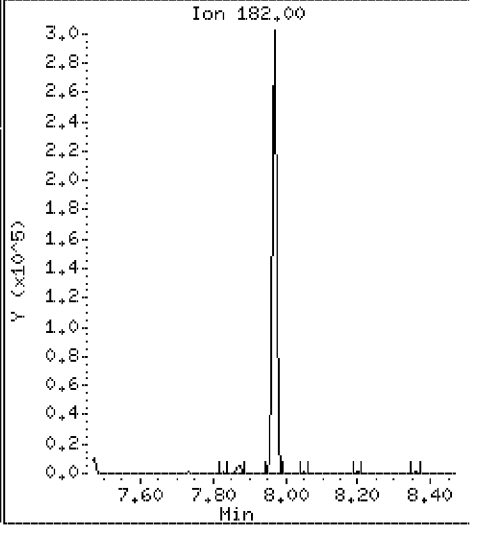


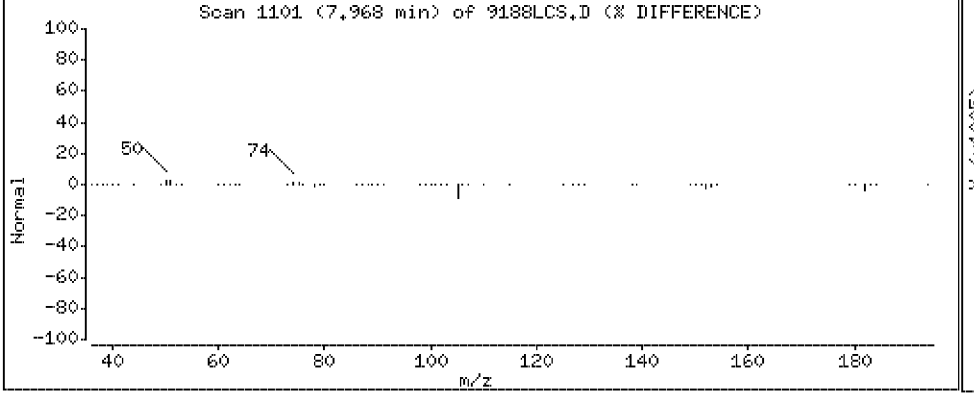












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

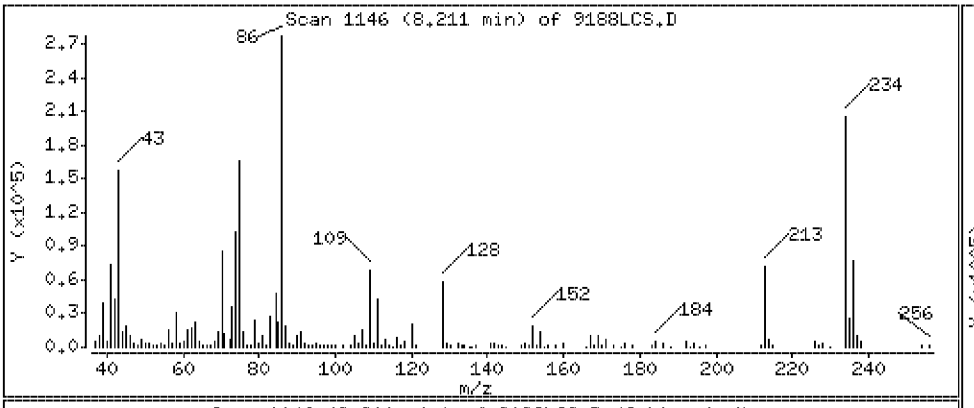
Operator: PEL

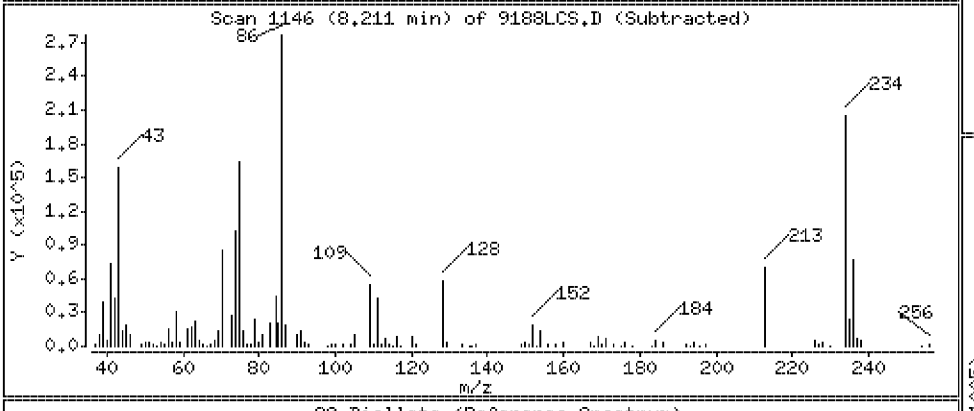
Column phase: HPMS-5

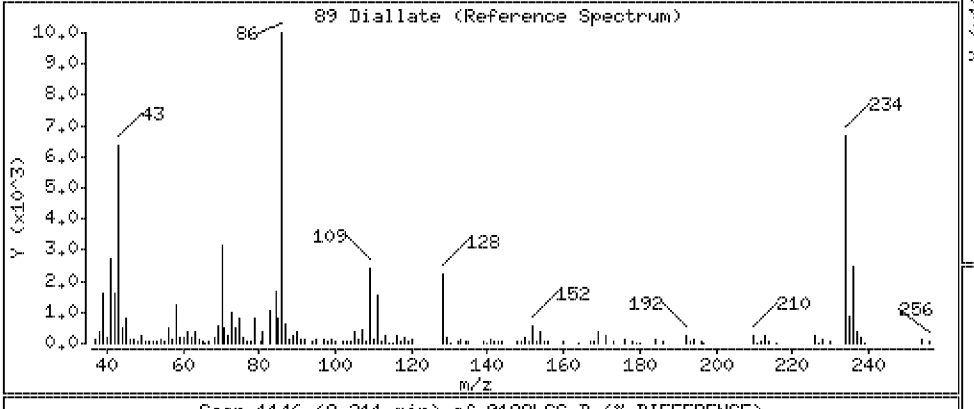
Column diameter: 0.25

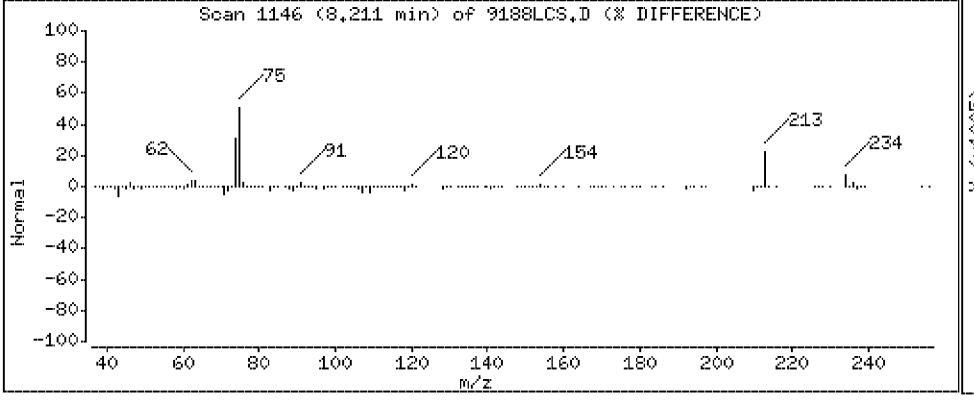
89 Diallate

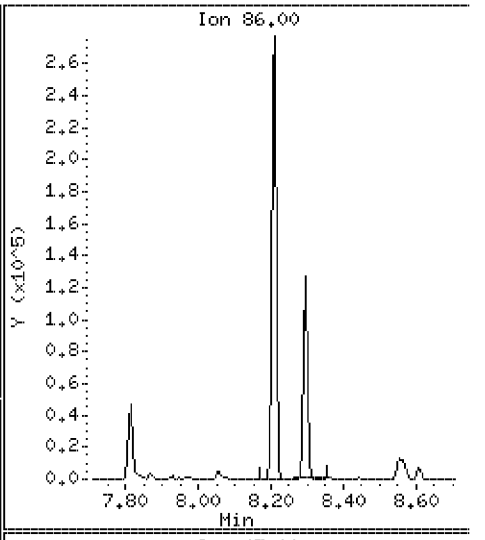
Concentration: 1980 ug/kg

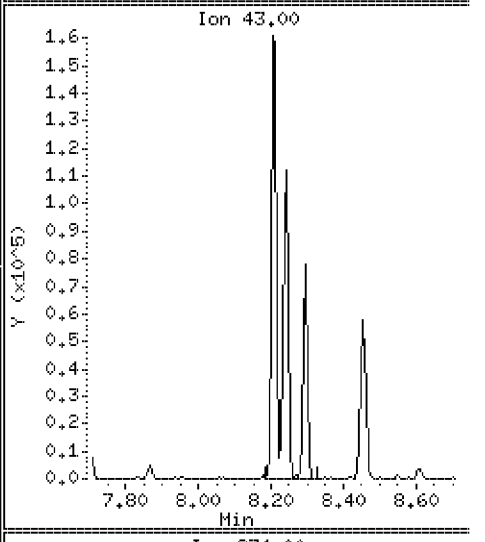


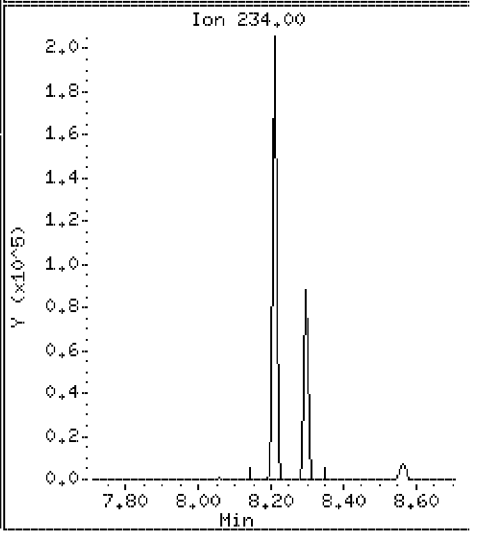












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

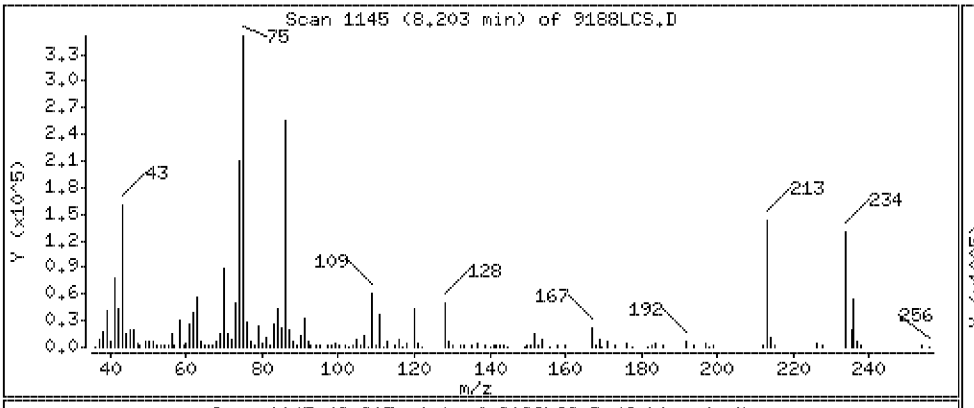
Operator: PEL

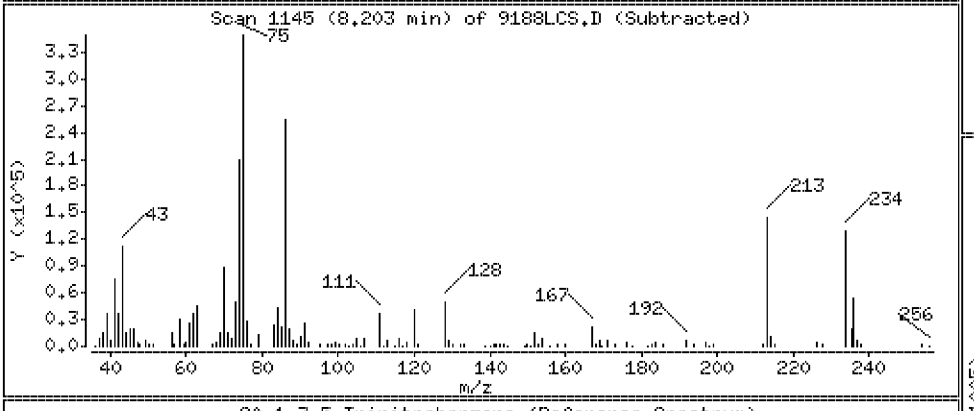
Column phase: HPMS-5

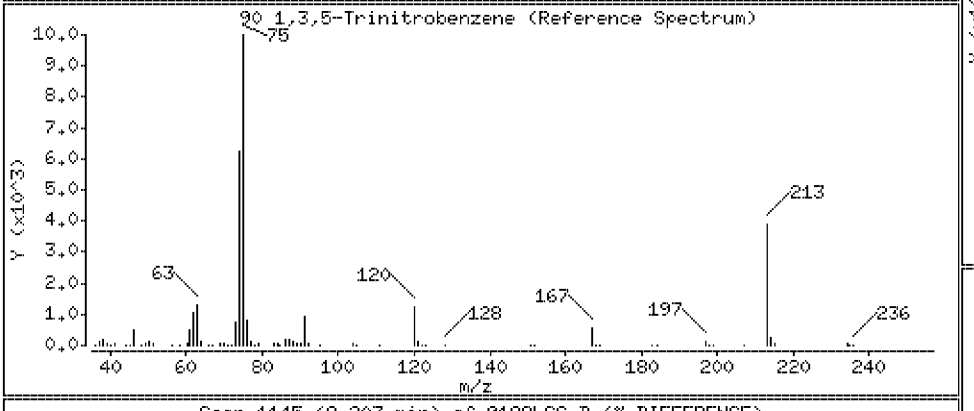
Column diameter: 0.25

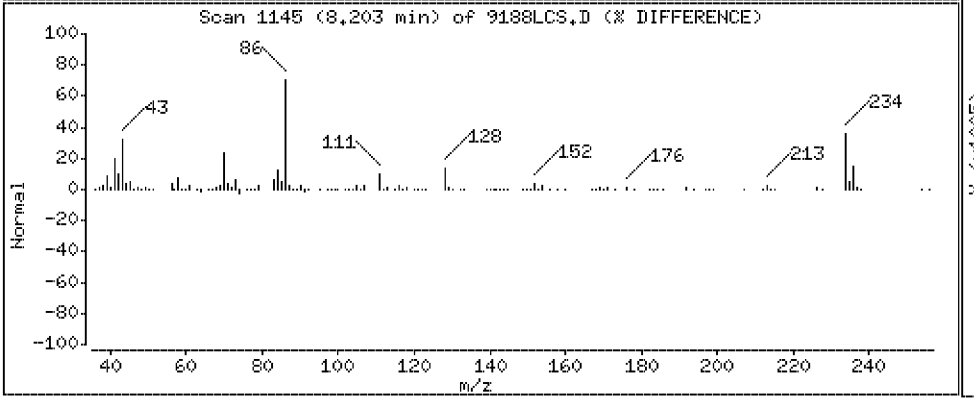
90 1,3,5-Trinitrobenzene

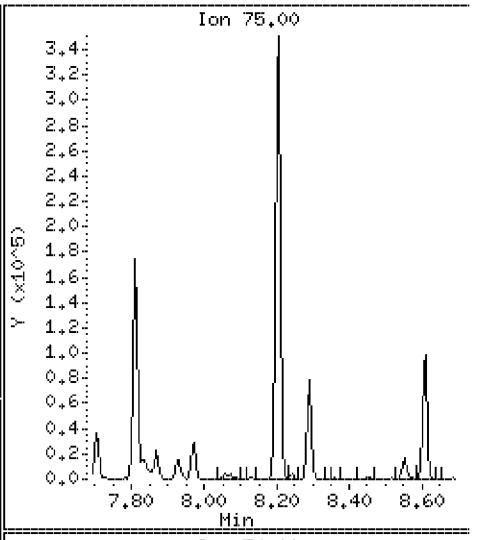
Concentration: 1110 ug/kg

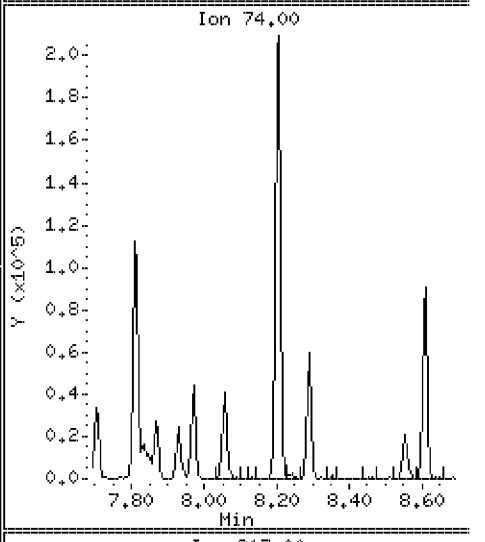


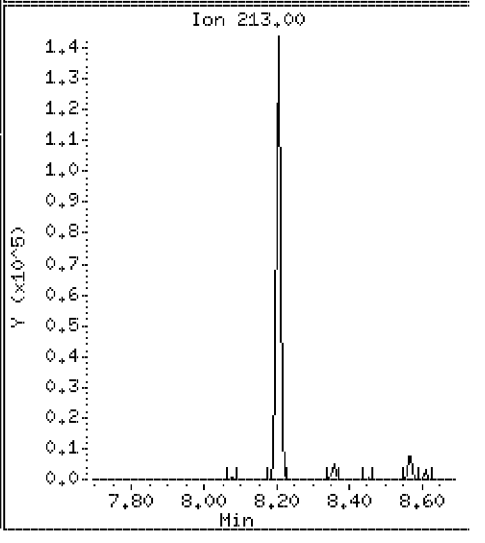












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

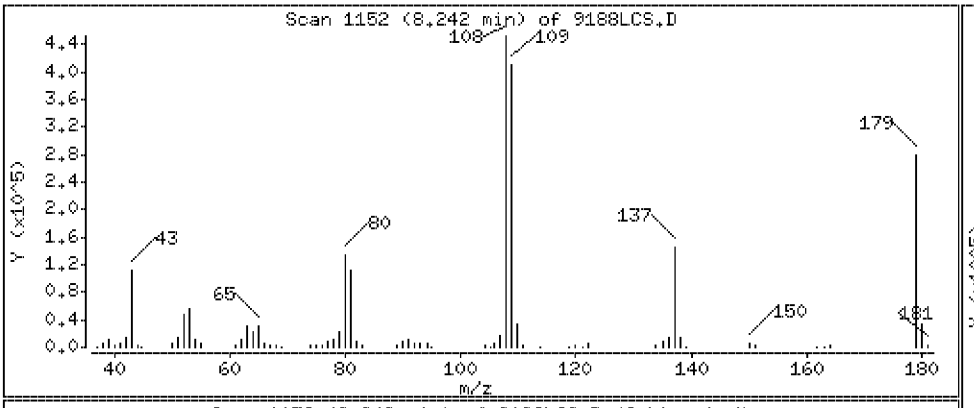
Operator: PEL

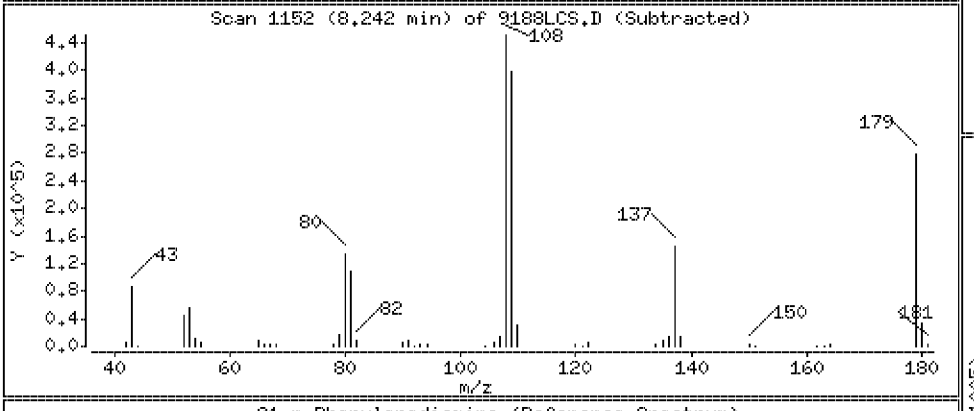
Column phase: HPMS-5

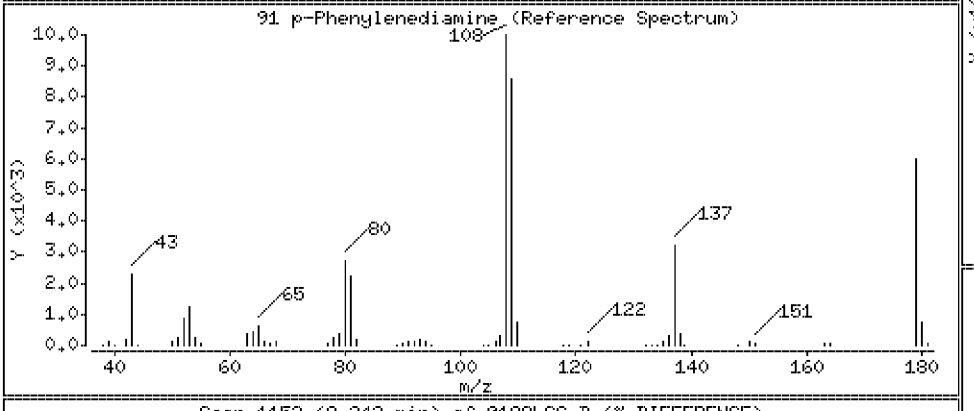
Column diameter: 0.25

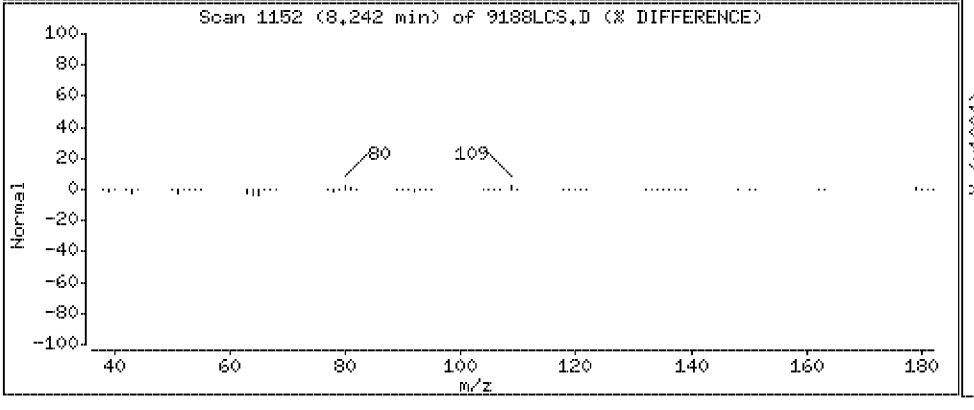
91 p-Phenylenediamine

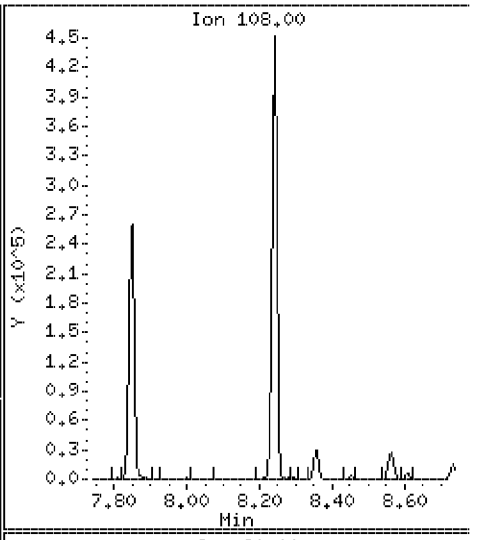
Concentration: 2110 ug/kg

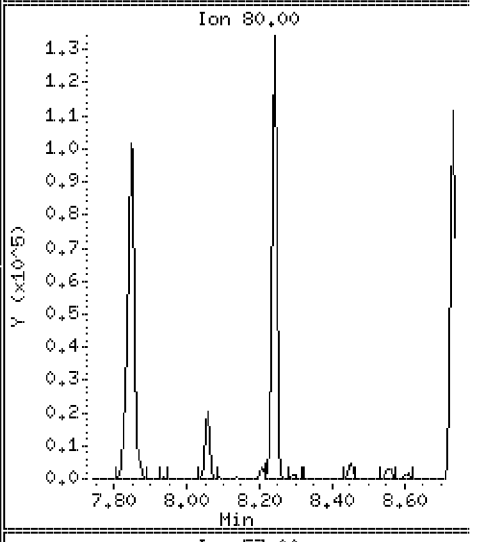


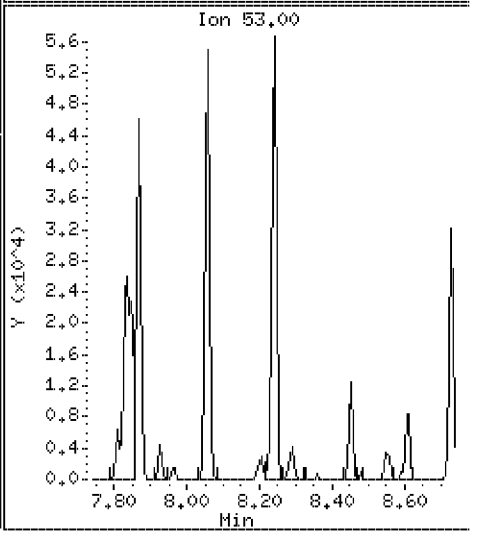












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

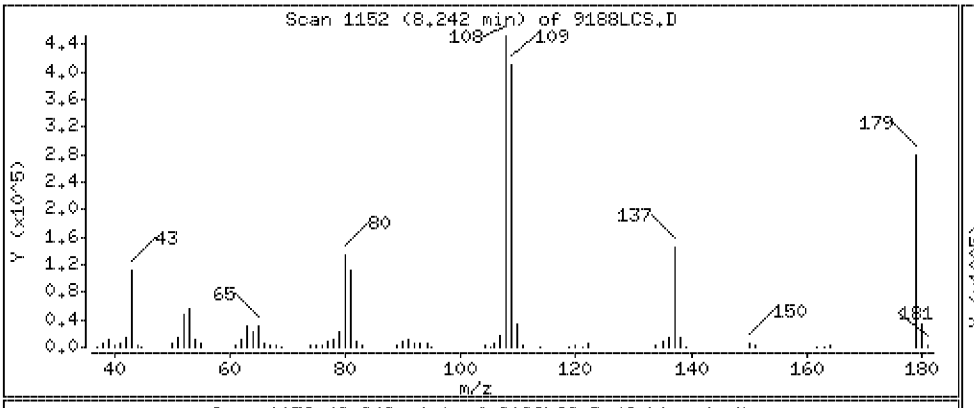
Operator: PEL

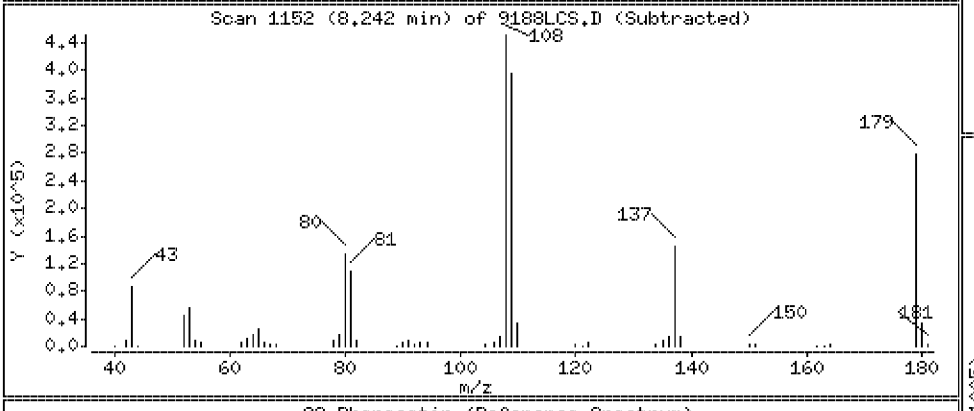
Column phase: HPMS-5

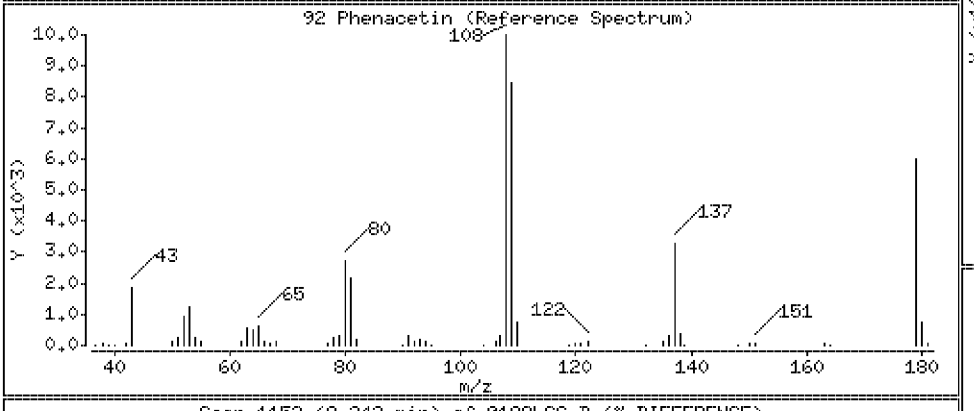
Column diameter: 0.25

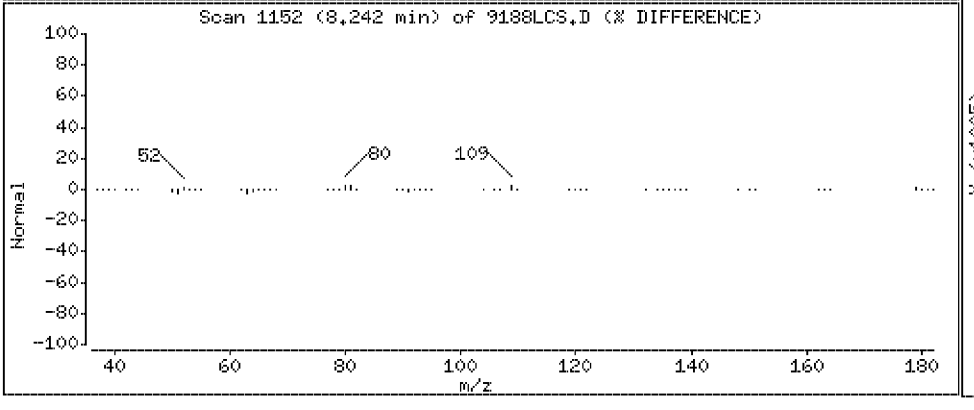
92 Phenacetin

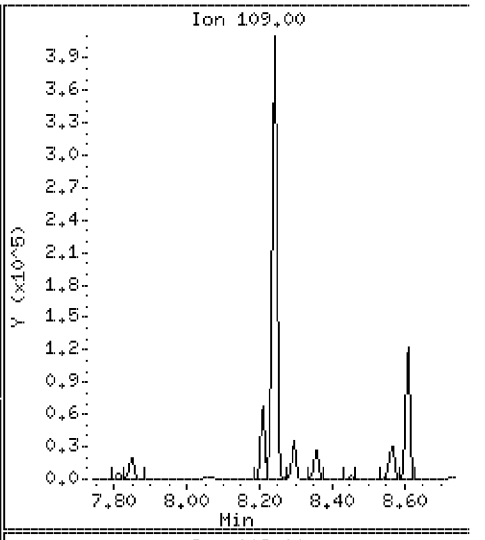
Concentration: 2050 ug/kg

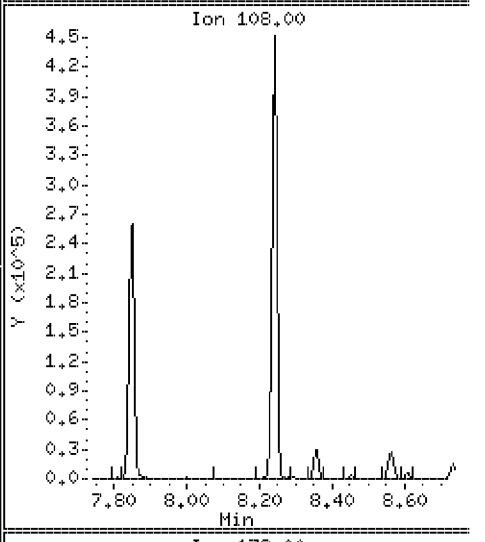


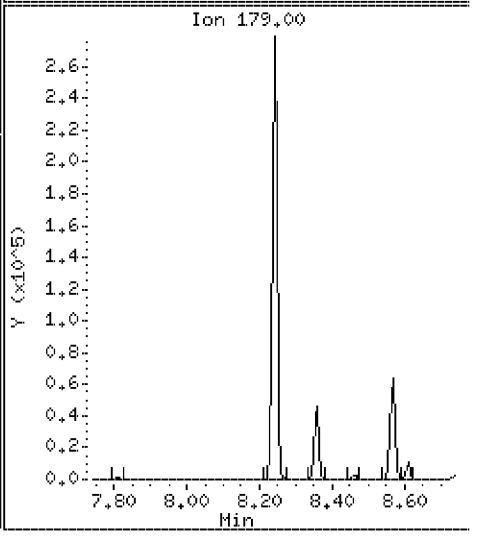












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

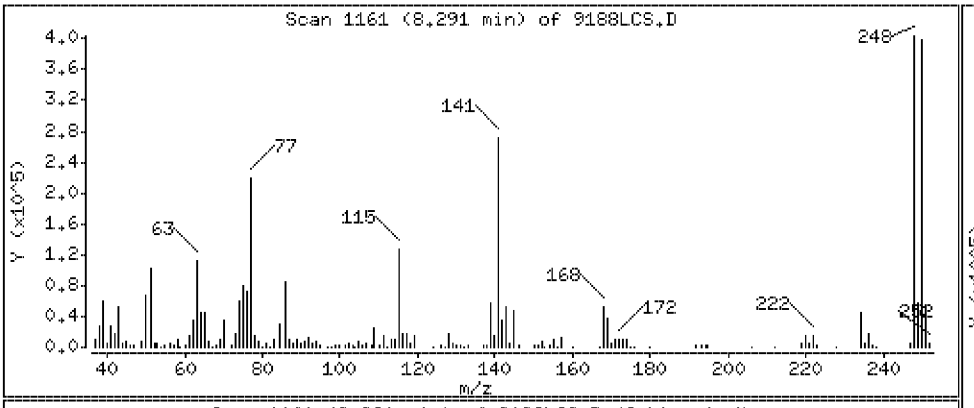
Operator: PEL

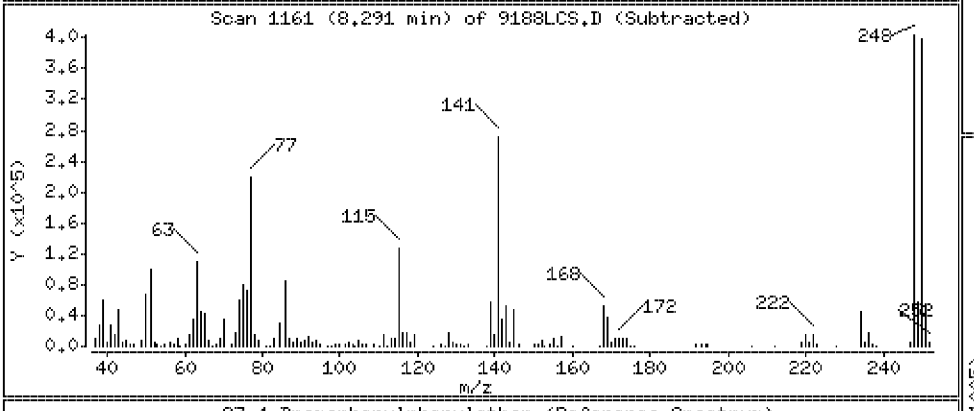
Column phase: HPMS-5

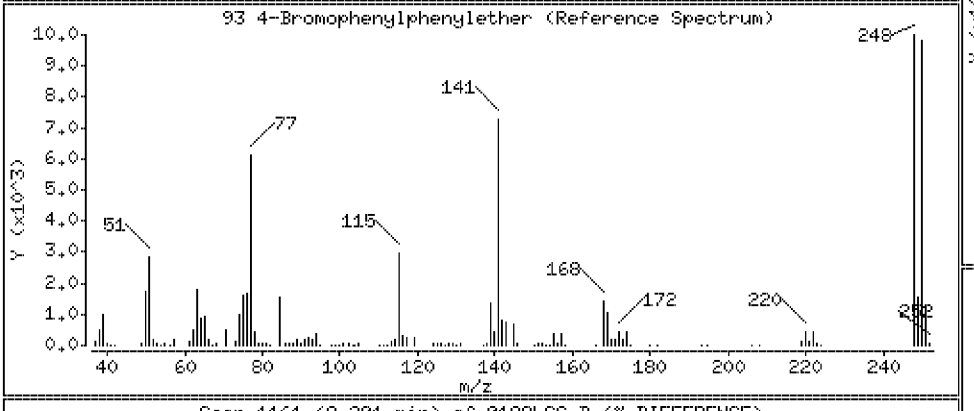
Column diameter: 0.25

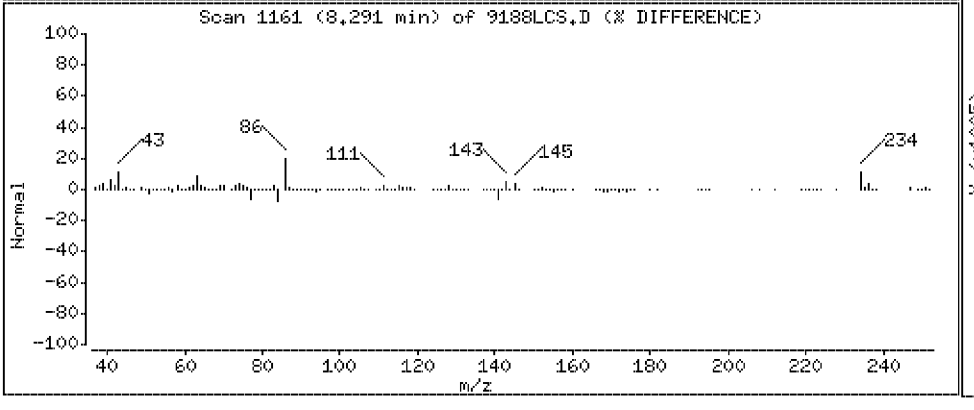
93 4-Bromophenylphenylether

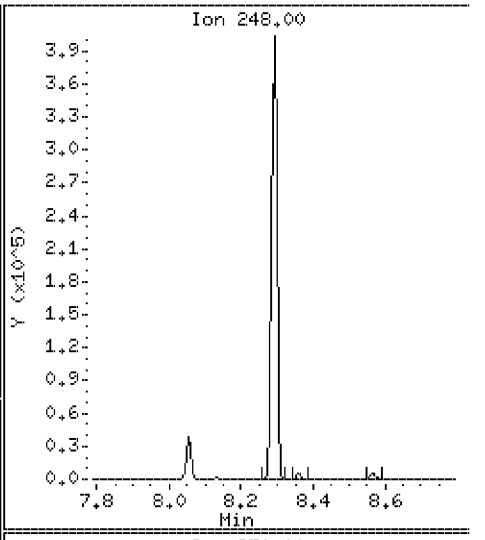
Concentration: 1770 ug/kg

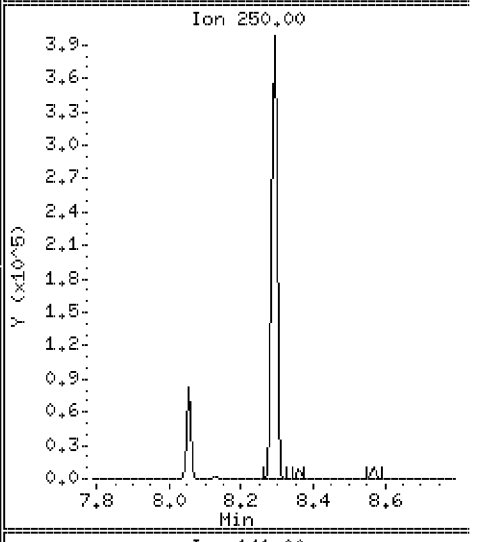


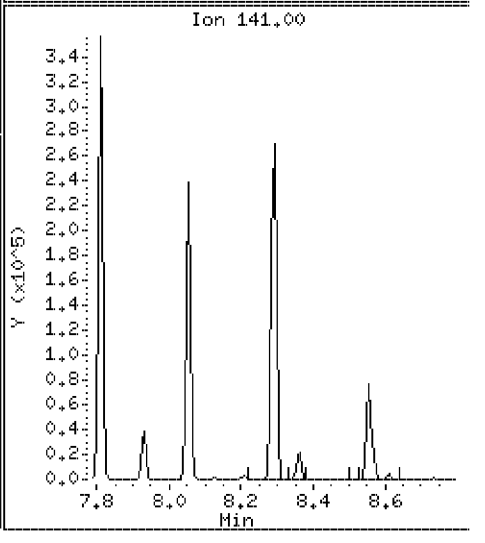












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

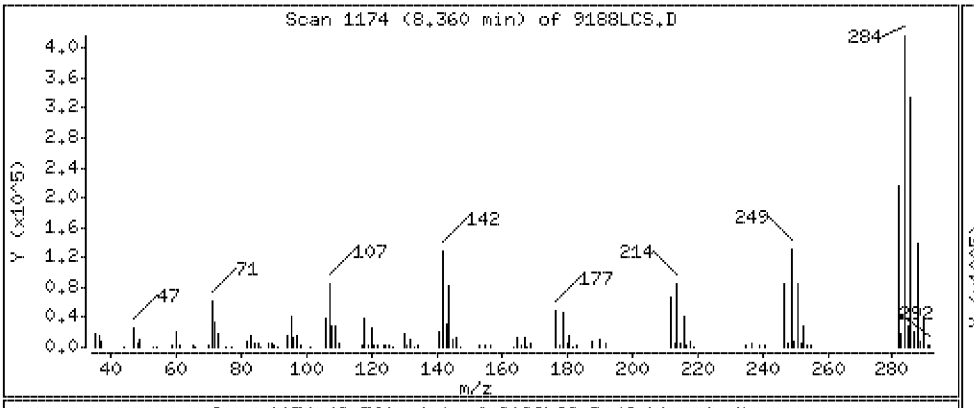
Operator: PEL

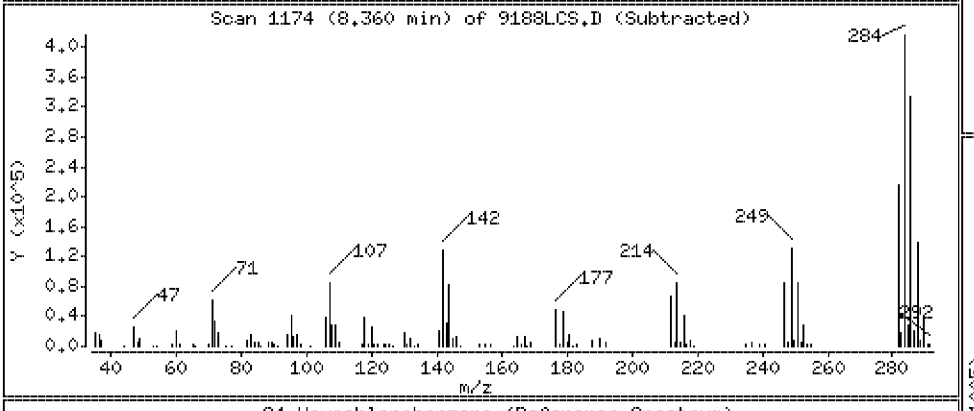
Column phase: HPMS-5

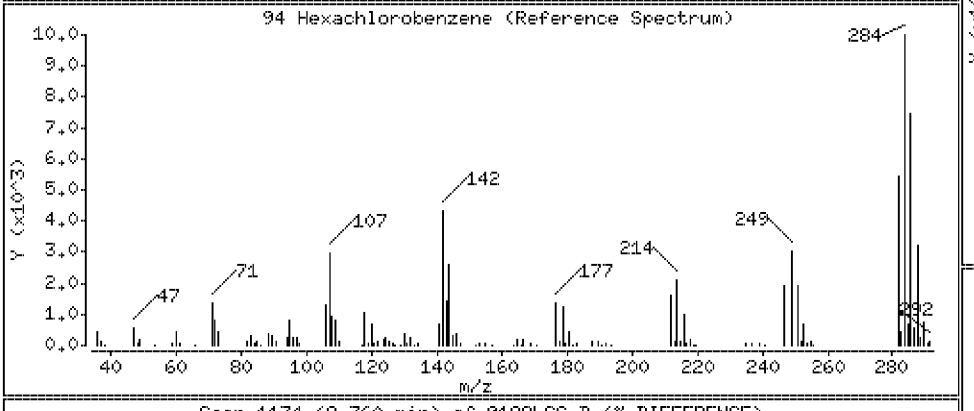
Column diameter: 0.25

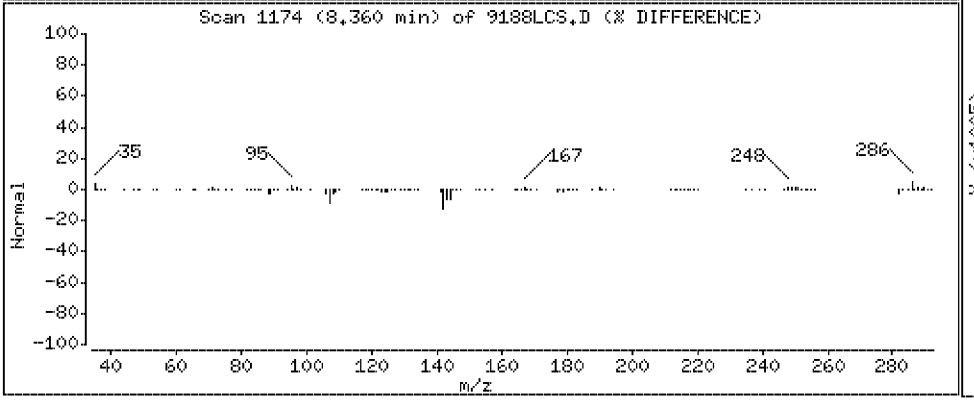
94 Hexachlorobenzene

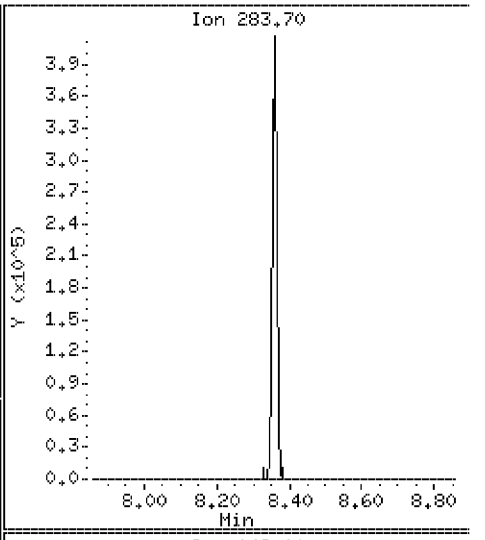
Concentration: 1640 ug/kg

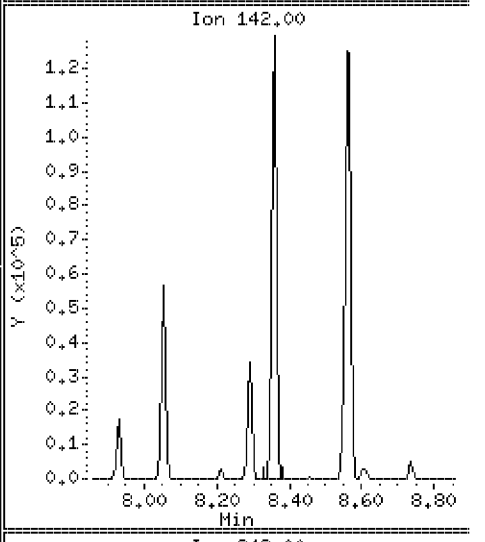


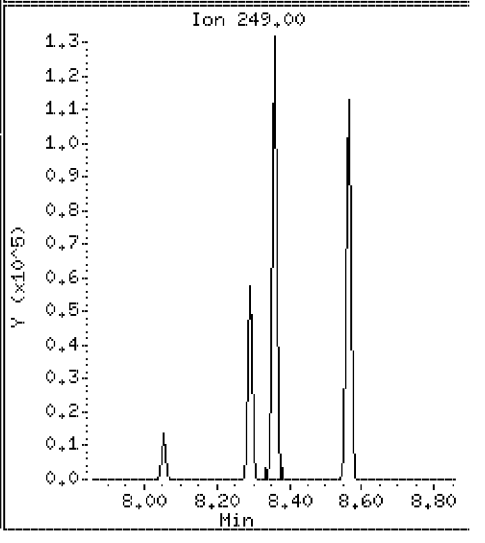












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

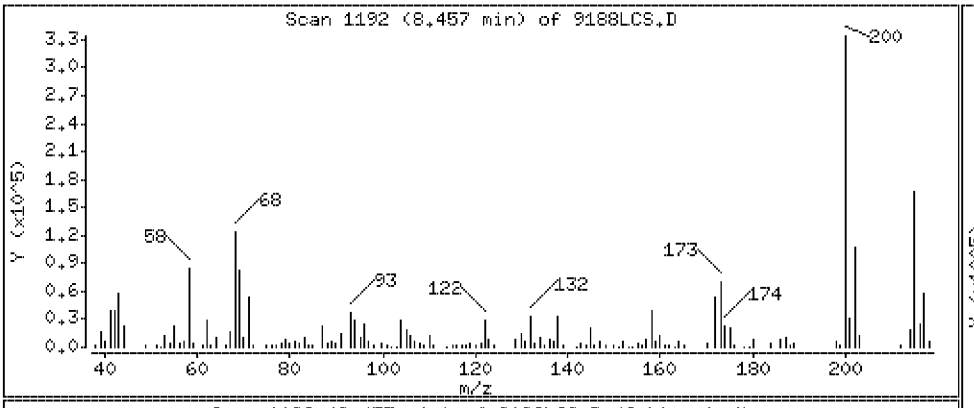
Operator: PEL

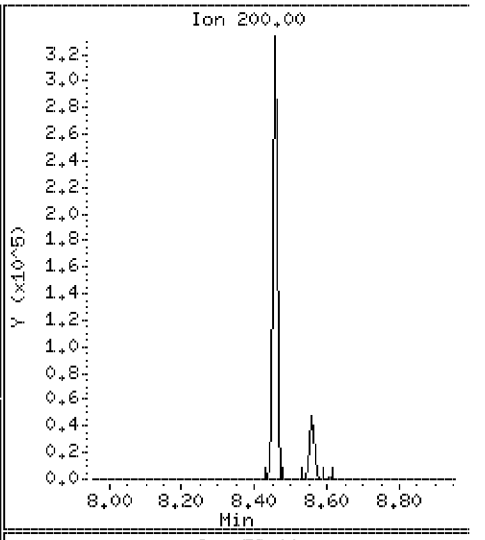
Column phase: HPMS-5

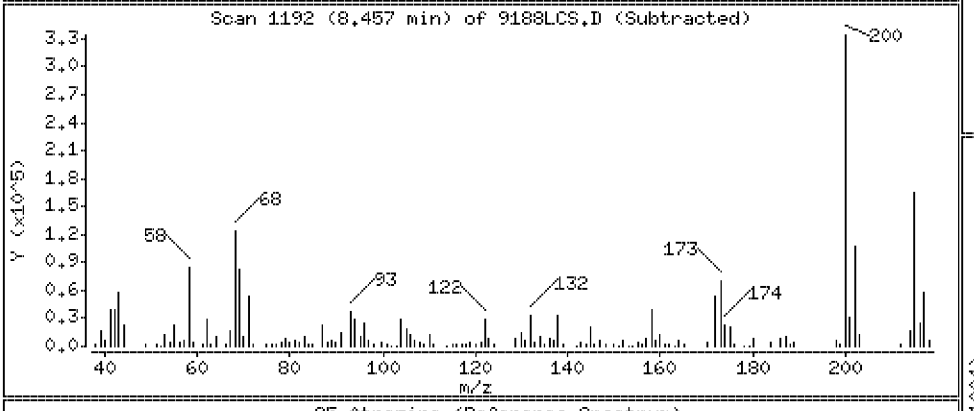
Column diameter: 0.25

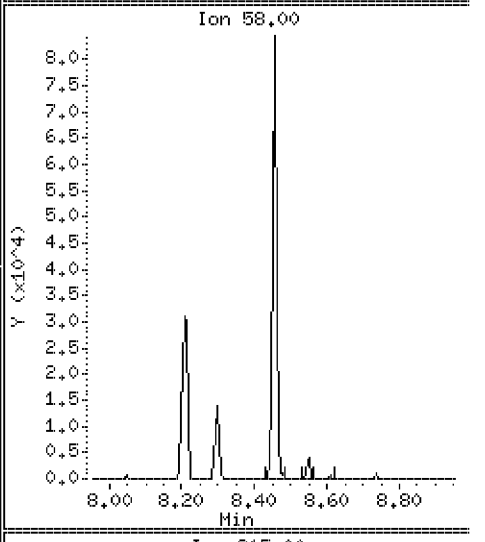
95 Atrazine

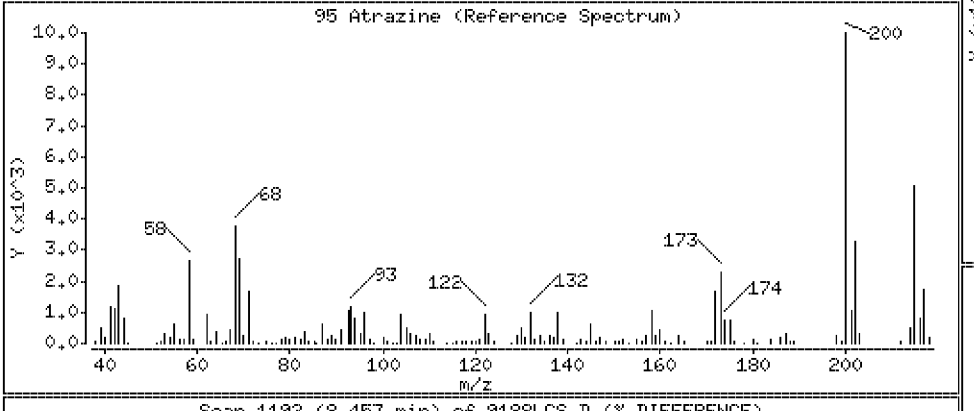
Concentration: 1570 ug/kg

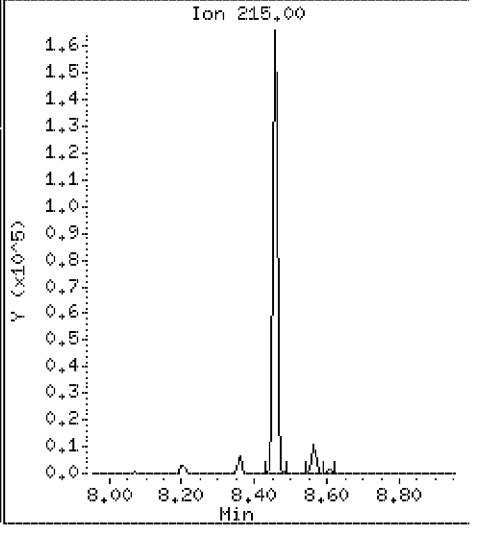


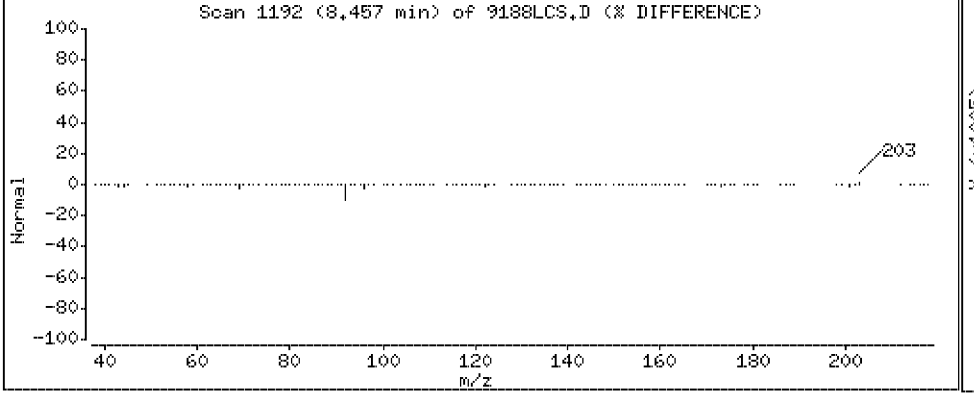












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

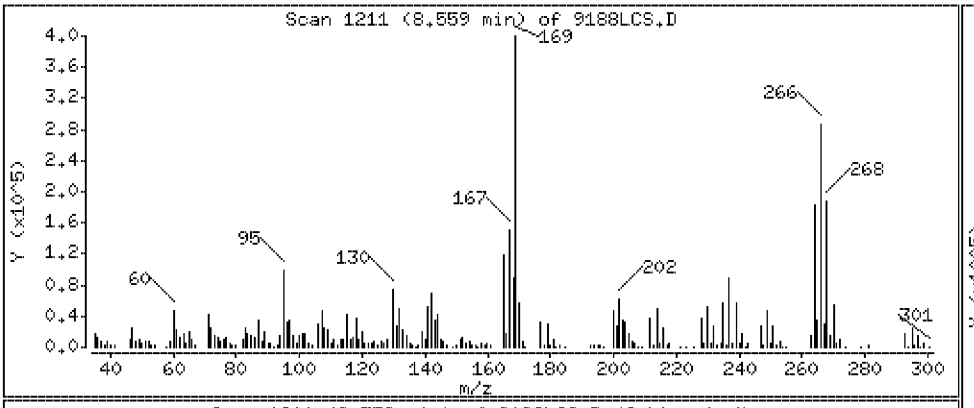
Operator: PEL

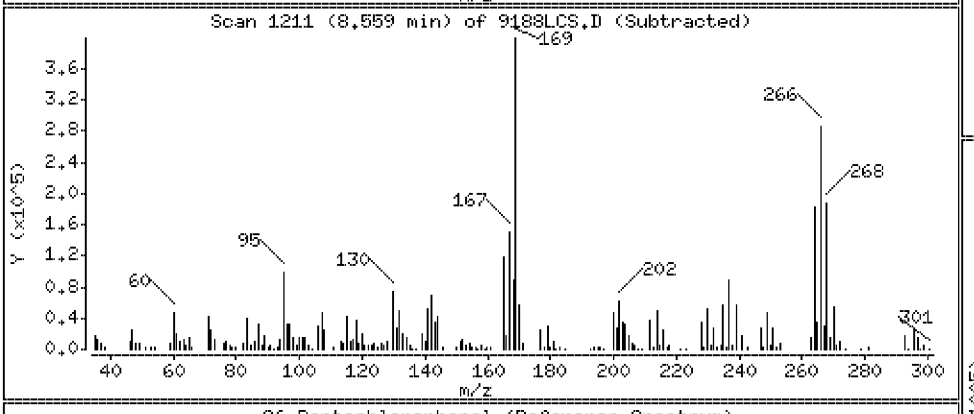
Column phase: HPMS-5

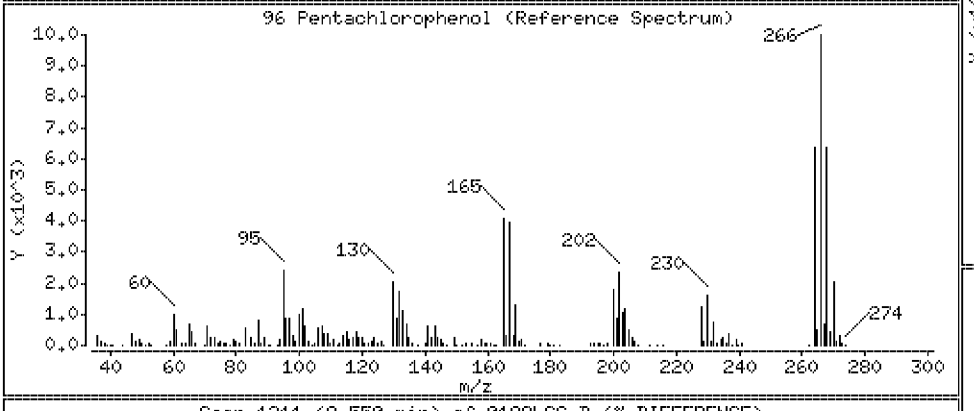
Column diameter: 0.25

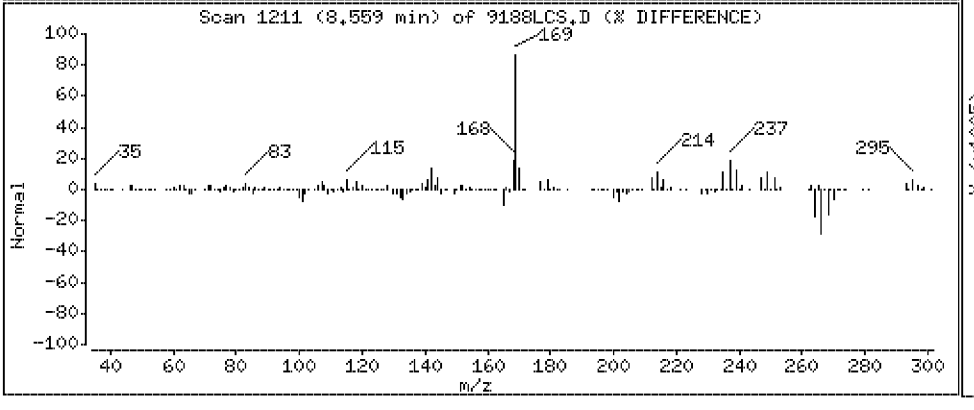
96 Pentachlorophenol

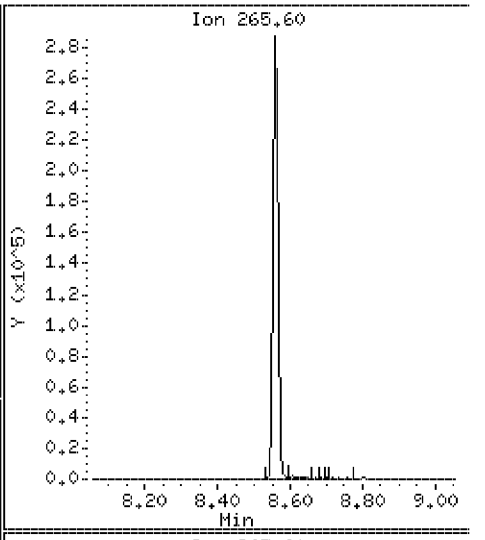
Concentration: 2160 ug/kg

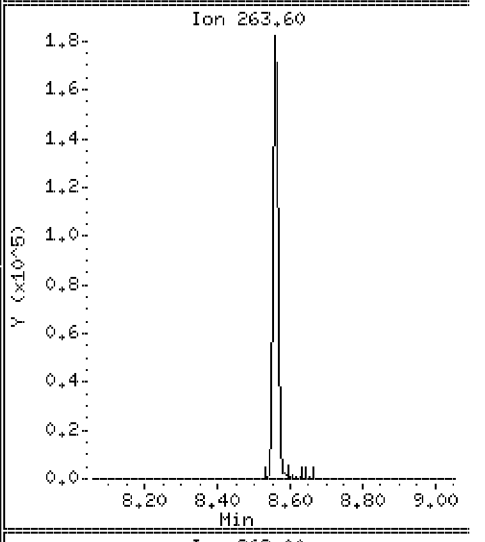


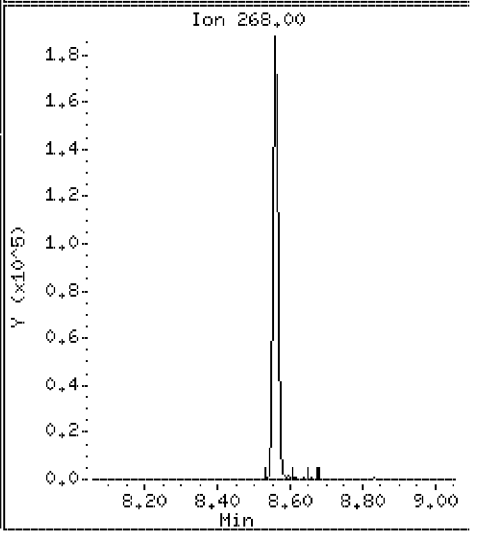












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

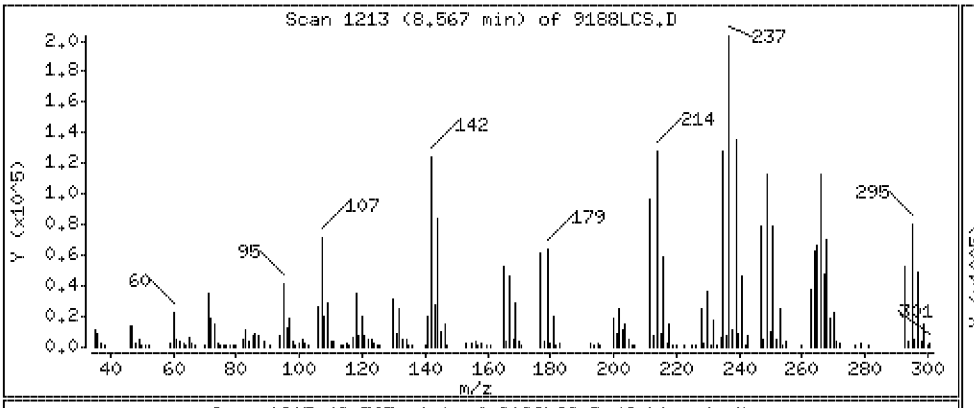
Operator: PEL

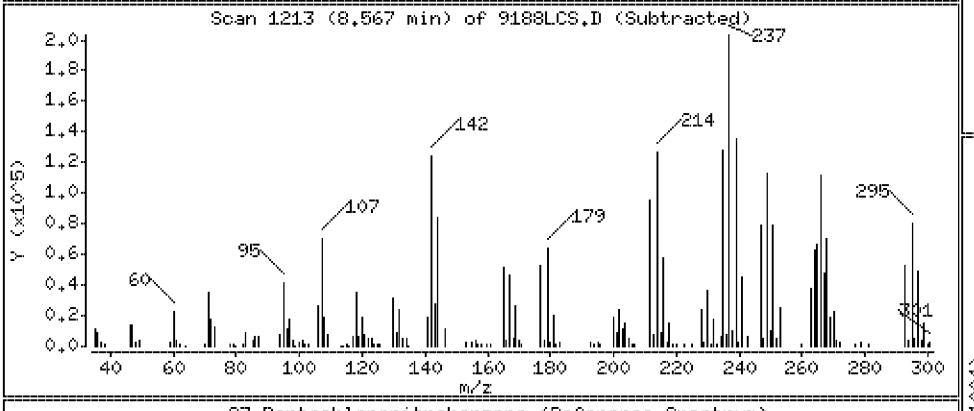
Column phase: HPMS-5

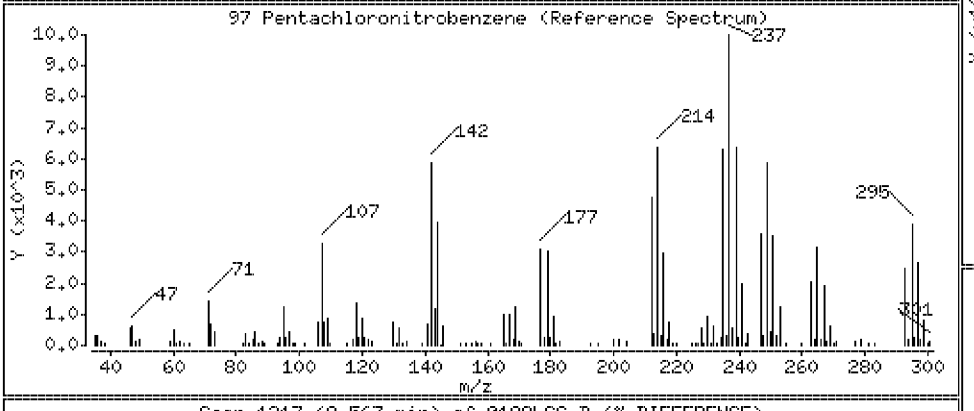
Column diameter: 0.25

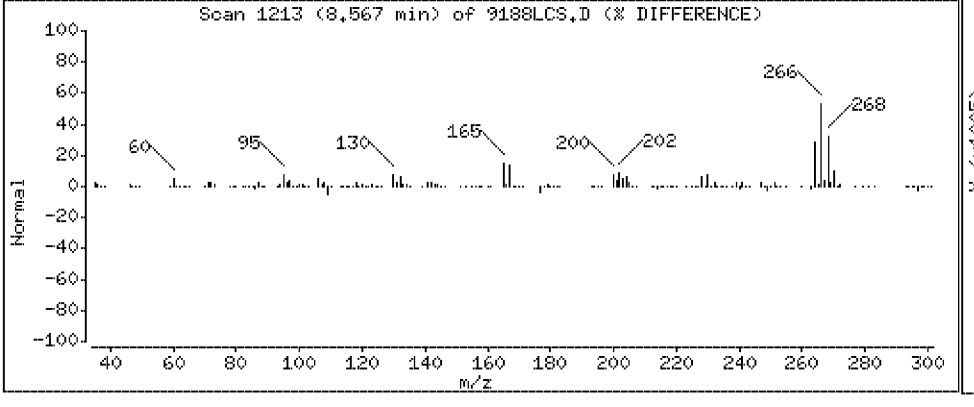
97 Pentachloronitrobenzene

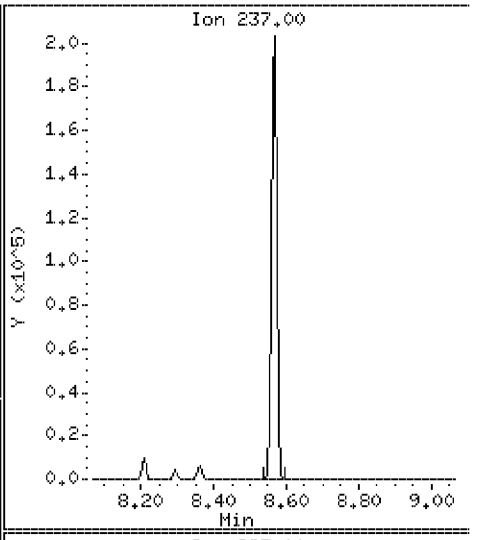
Concentration: 2210 ug/kg

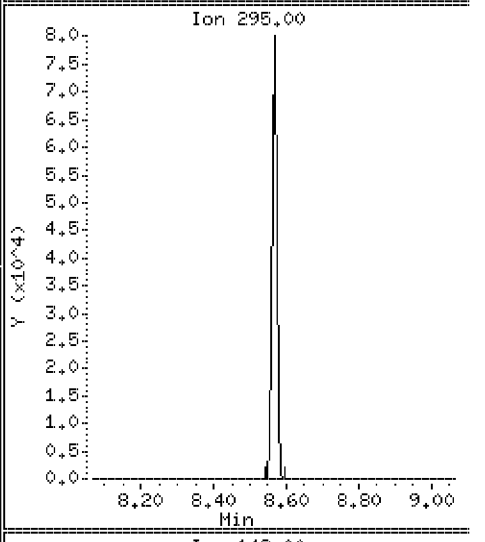


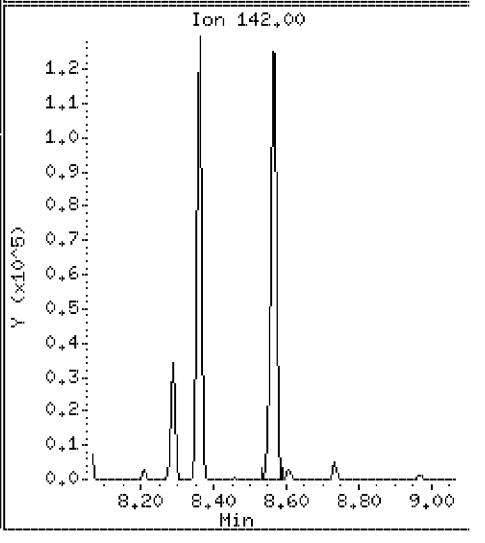












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

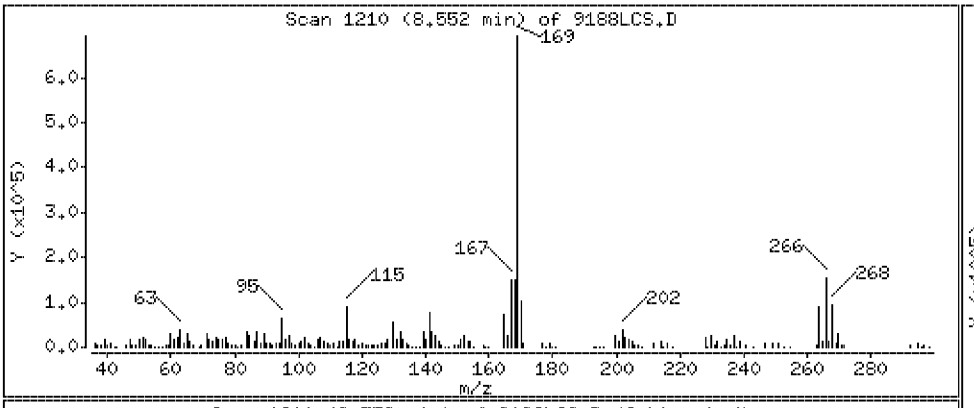
Operator: PEL

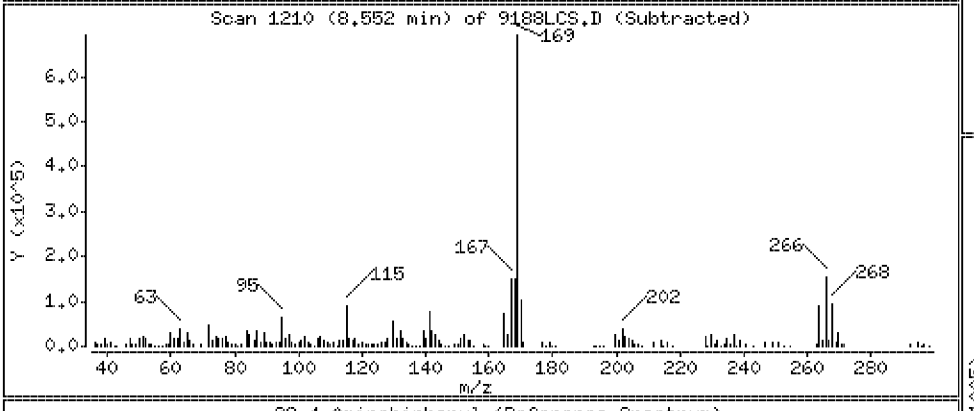
Column phase: HPMS-5

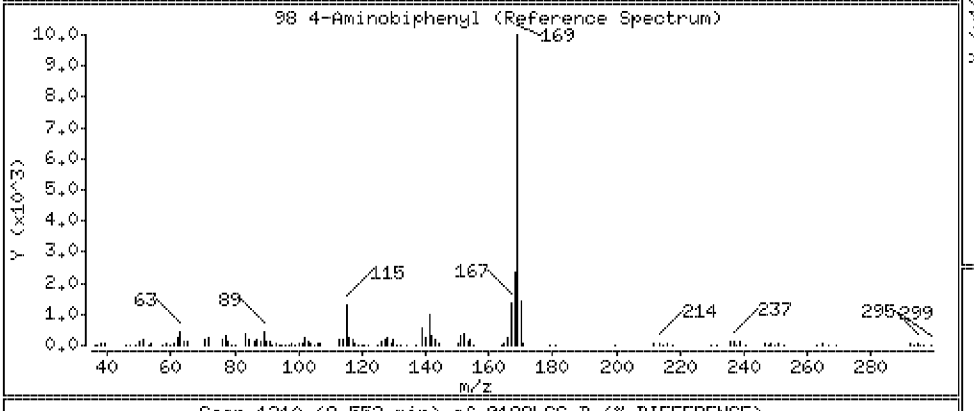
Column diameter: 0.25

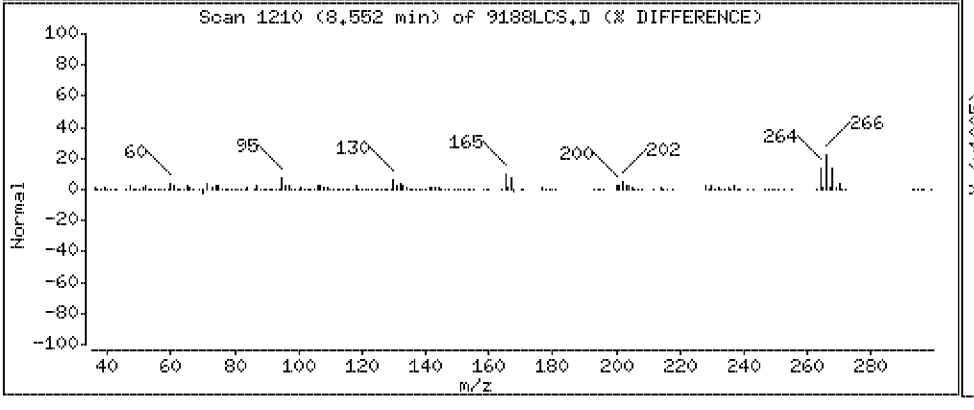
98 4-Aminobiphenyl

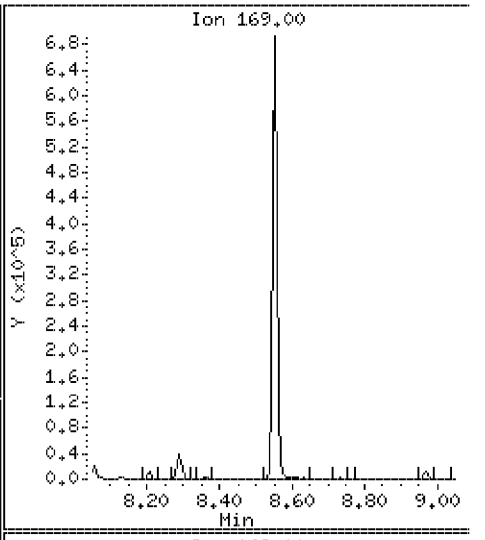
Concentration: 1330 ug/kg

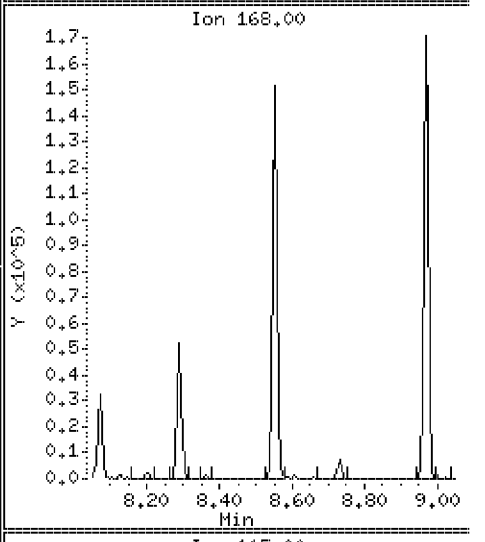


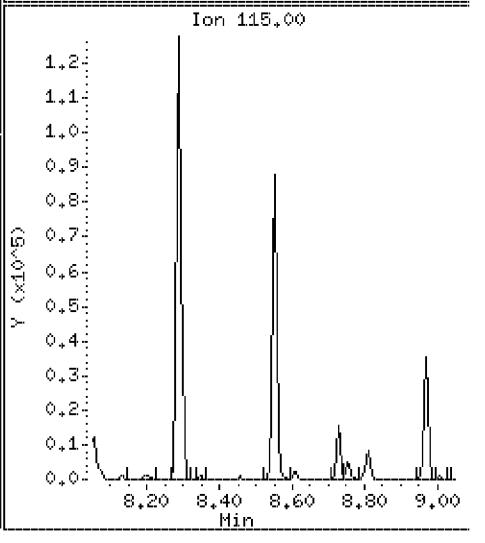












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

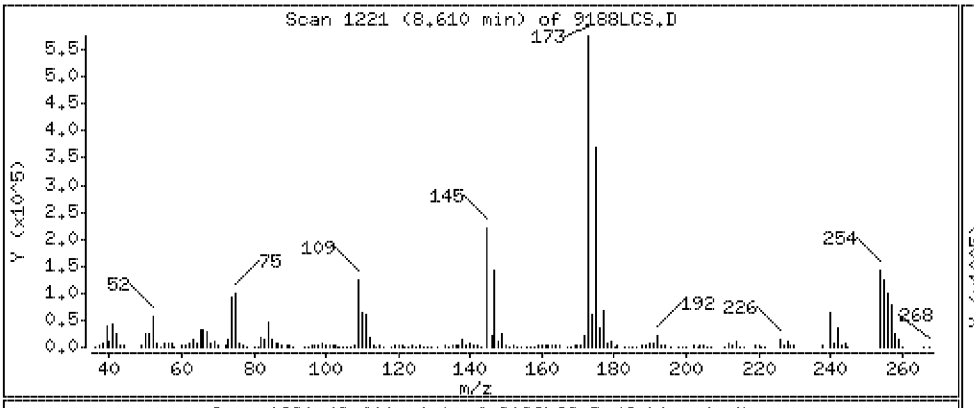
Operator: PEL

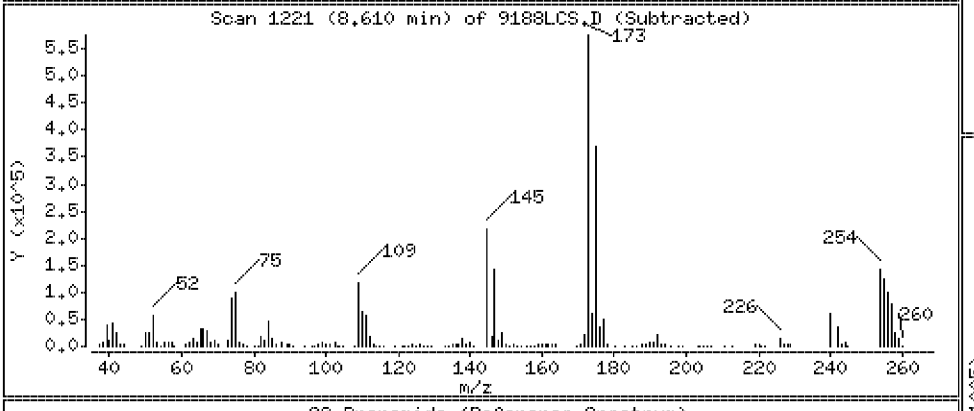
Column phase: HPMS-5

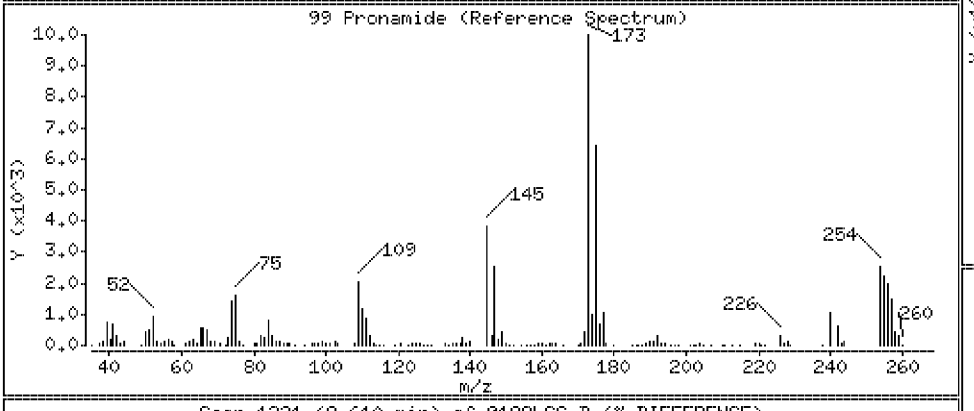
Column diameter: 0.25

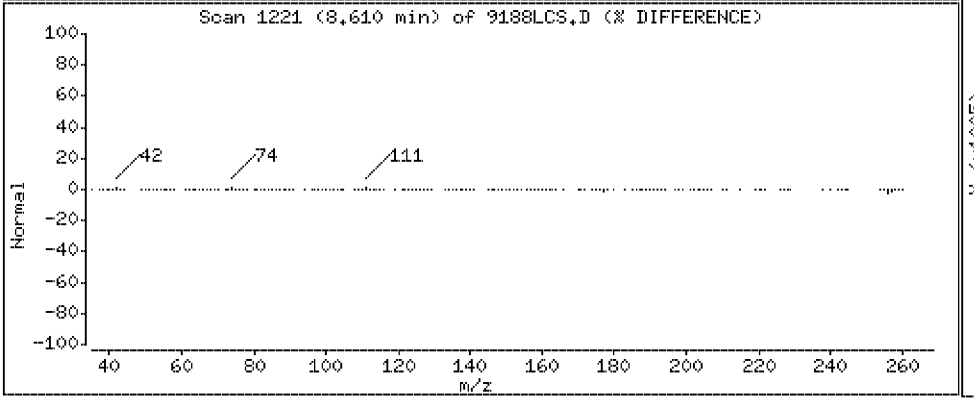
99 Pronamide

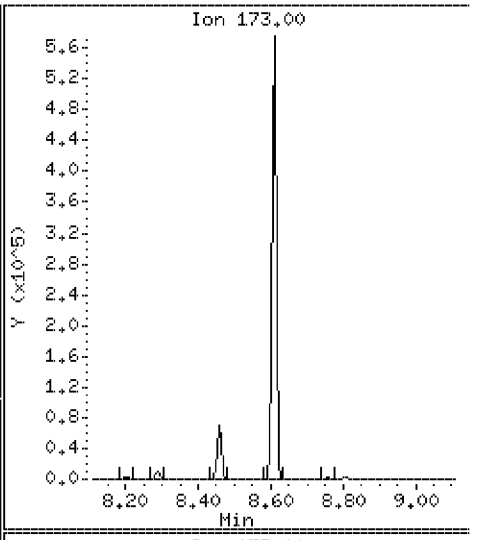
Concentration: 2080 ug/kg

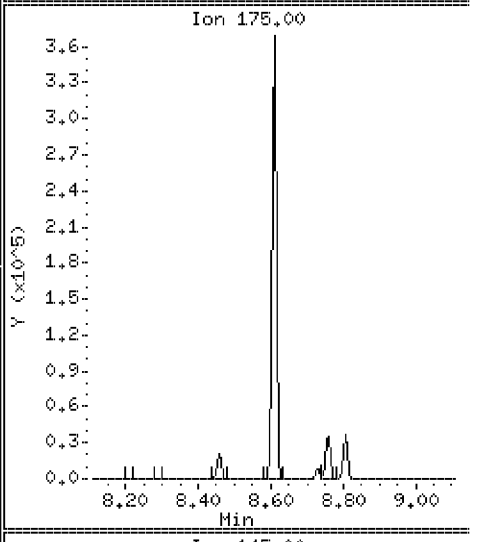


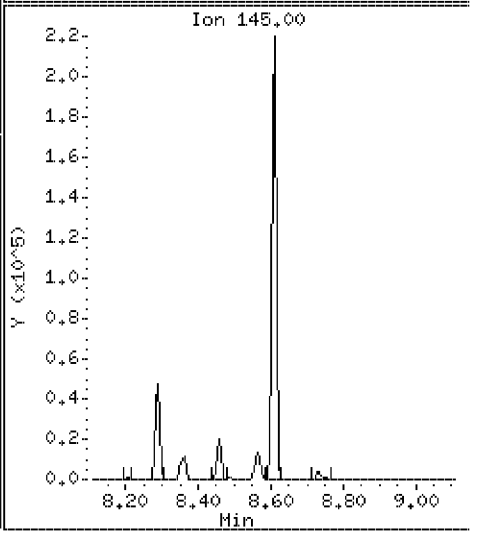












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

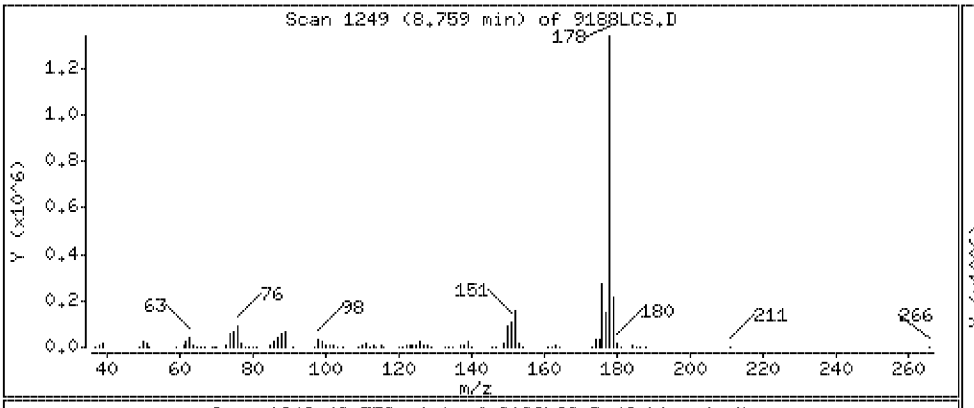
Operator: PEL

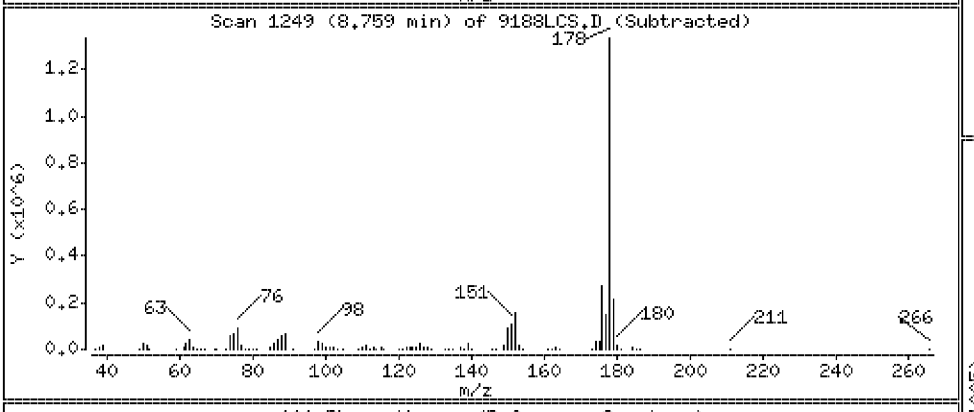
Column phase: HPMS-5

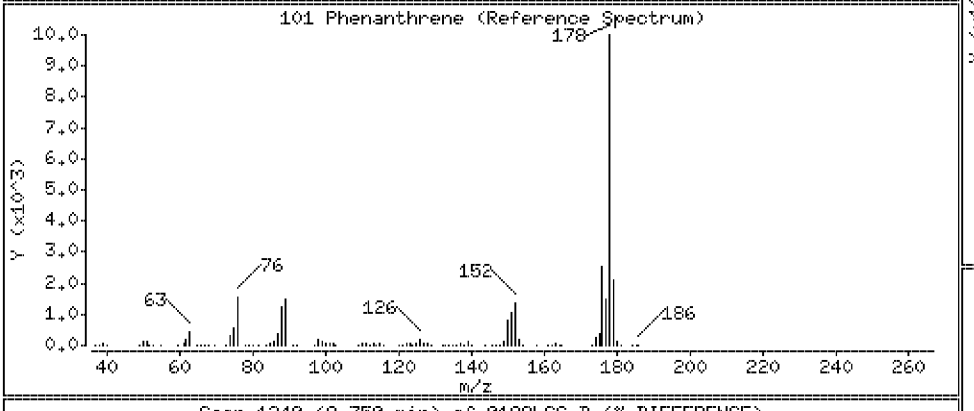
Column diameter: 0.25

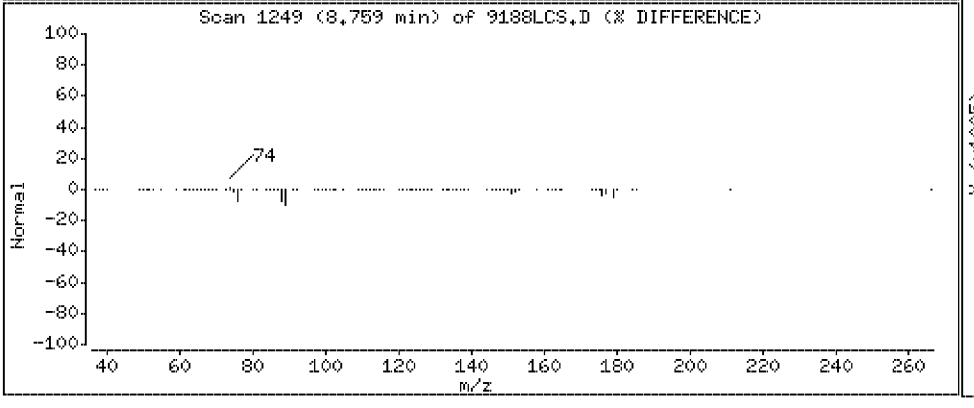
101 Phenanthrene

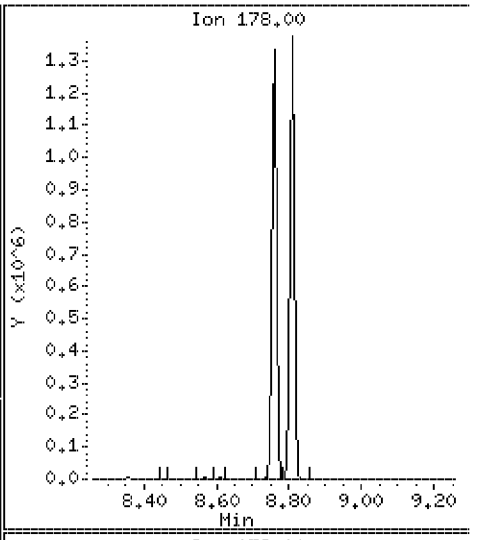
Concentration: 1760 ug/kg

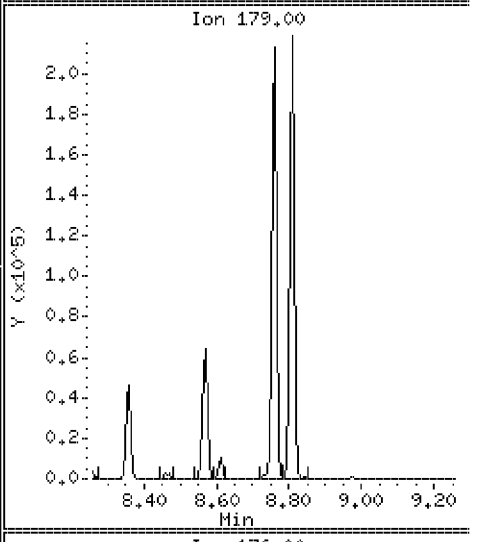


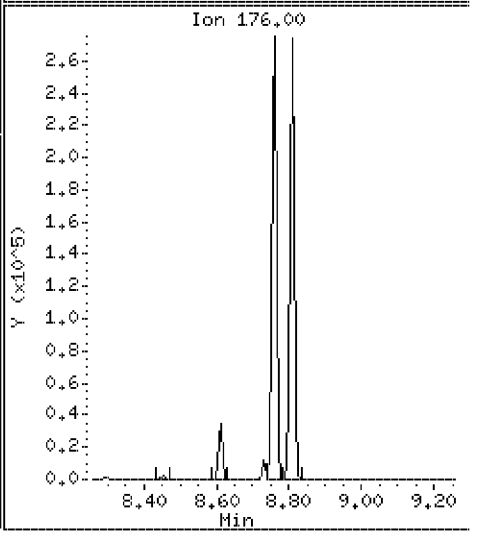












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

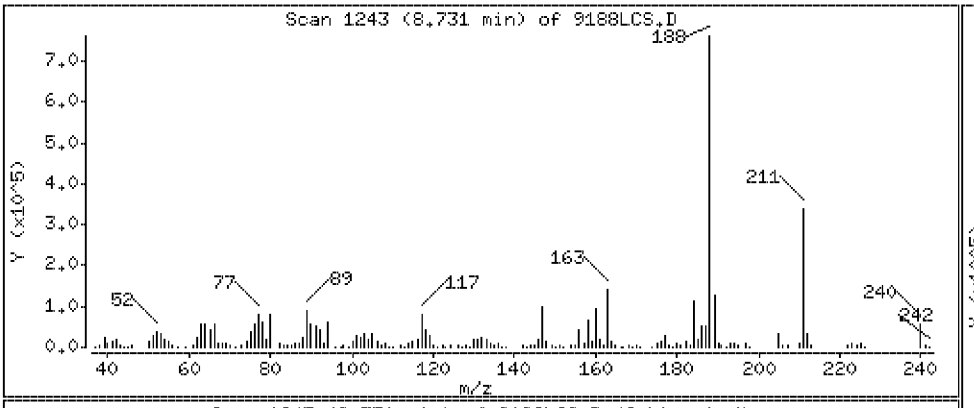
Operator: PEL

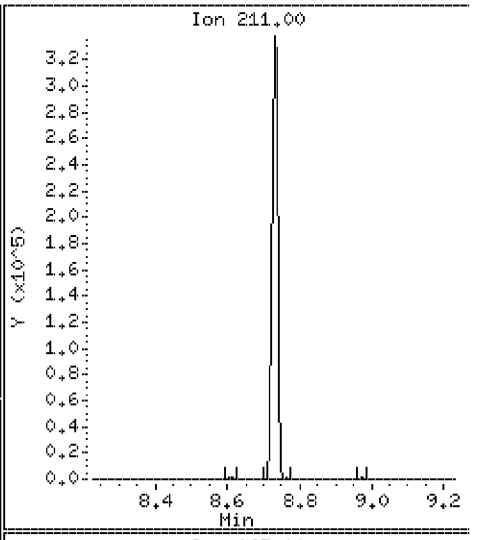
Column phase: HPMS-5

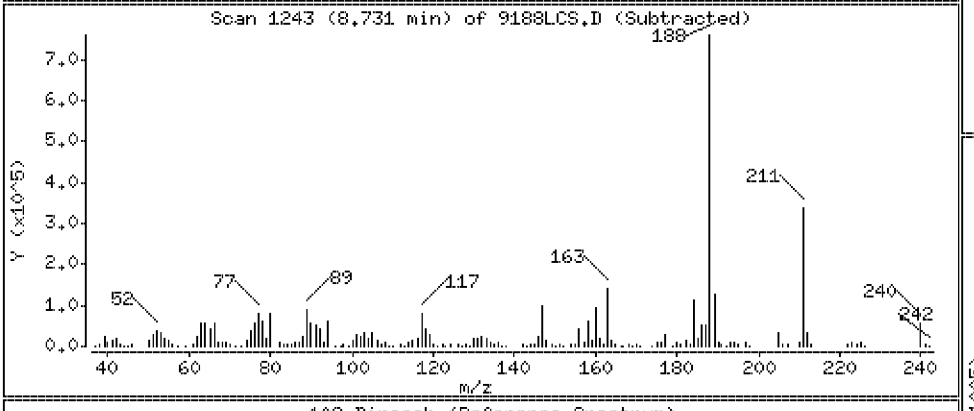
Column diameter: 0.25

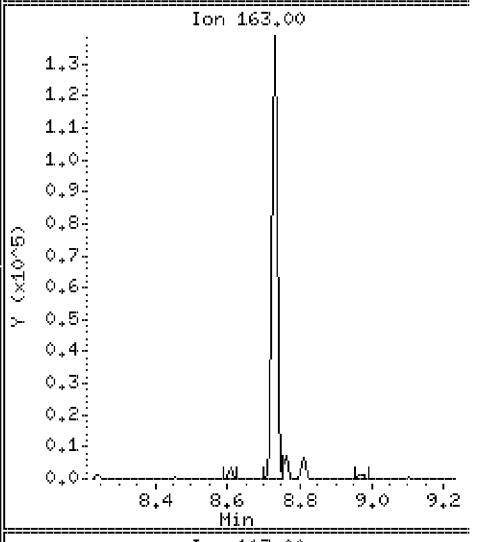
102 Dinoseb

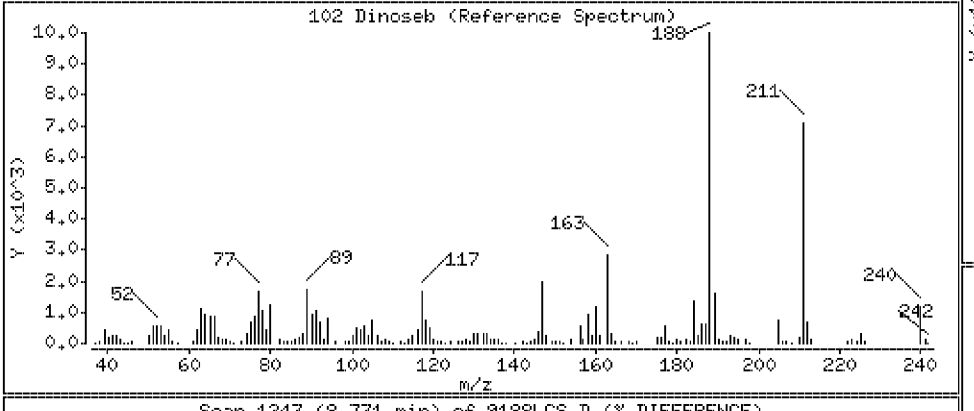
Concentration: 2010 ug/kg

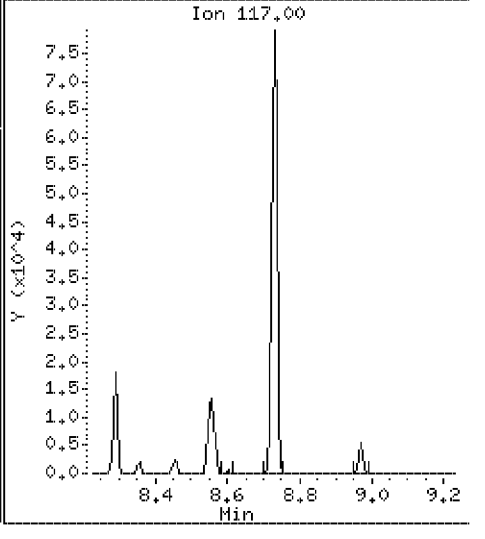


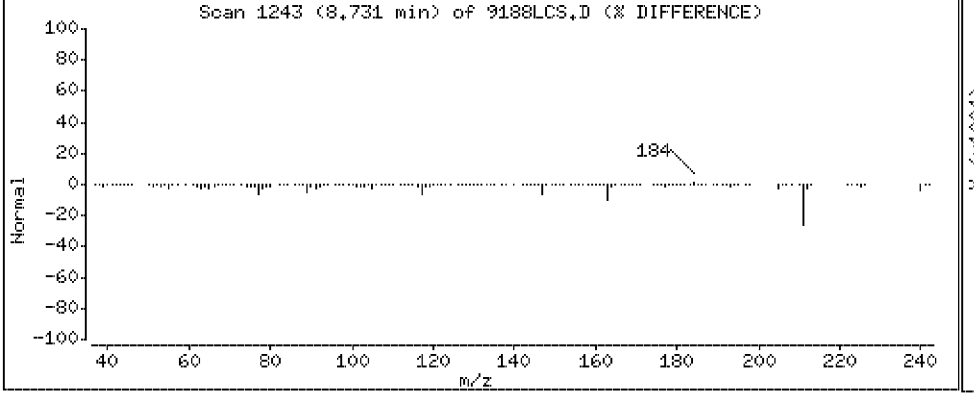












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

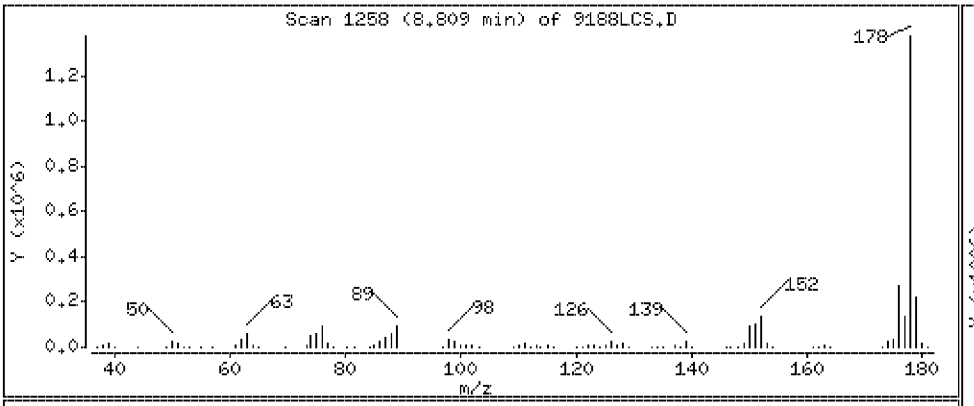
Operator: PEL

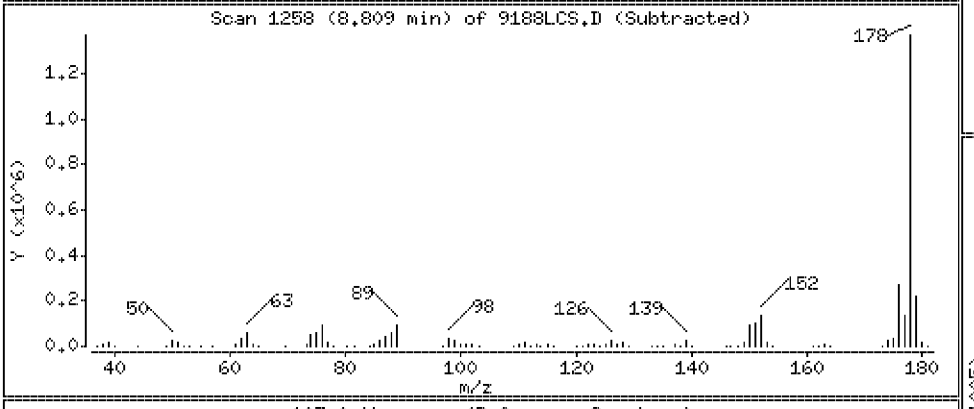
Column phase: HPMS-5

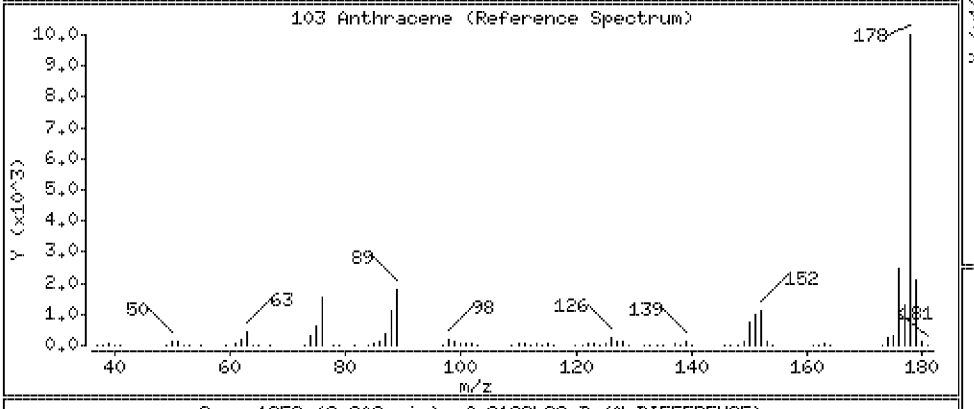
Column diameter: 0.25

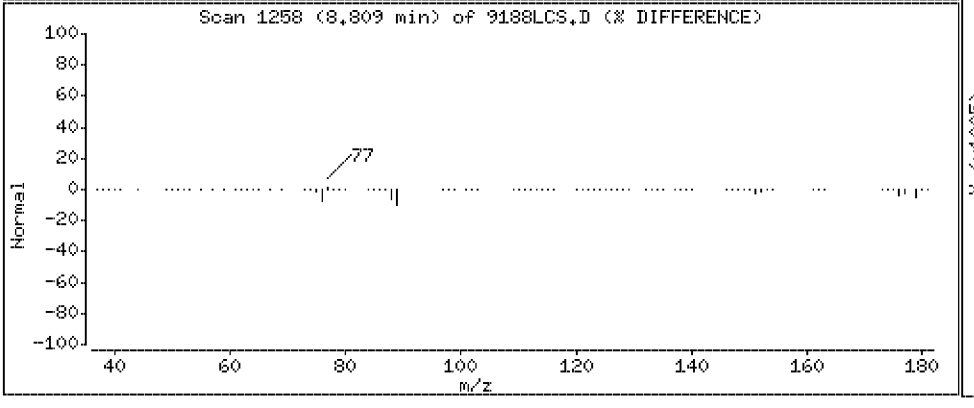
103 Anthracene

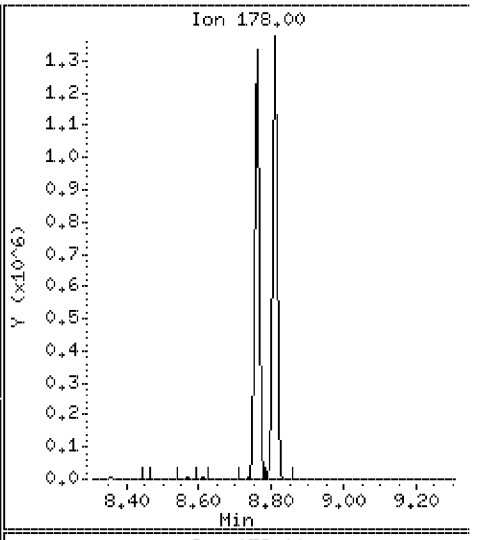
Concentration: 1770 ug/kg

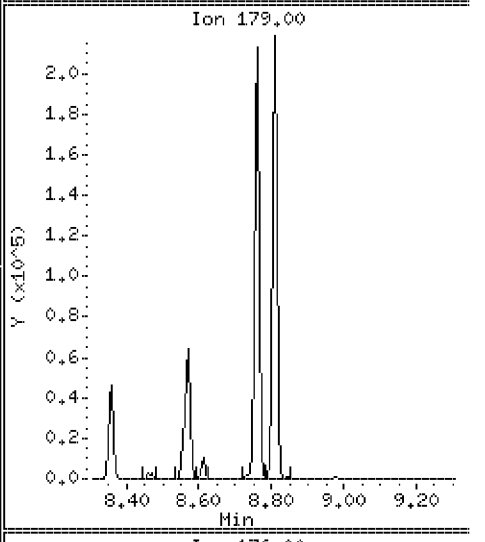


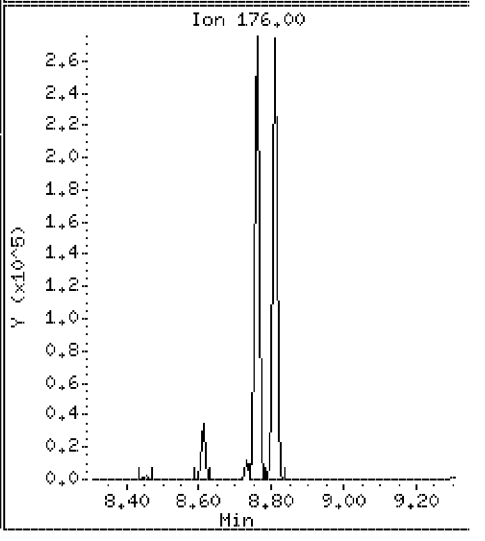












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

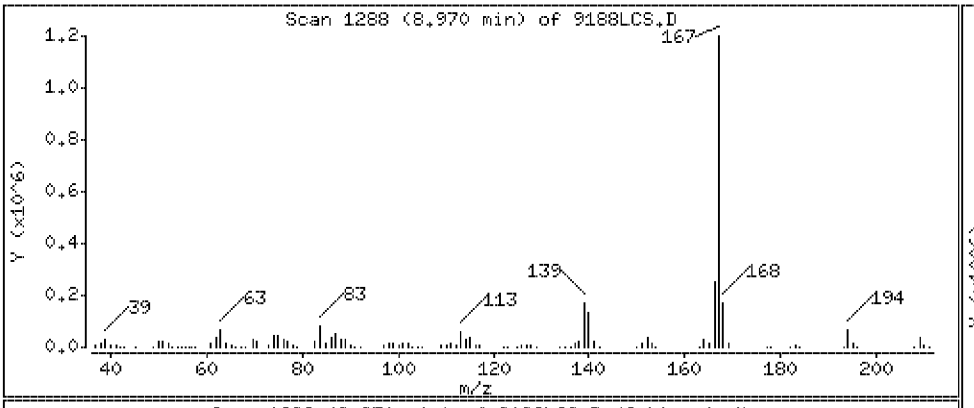
Operator: PEL

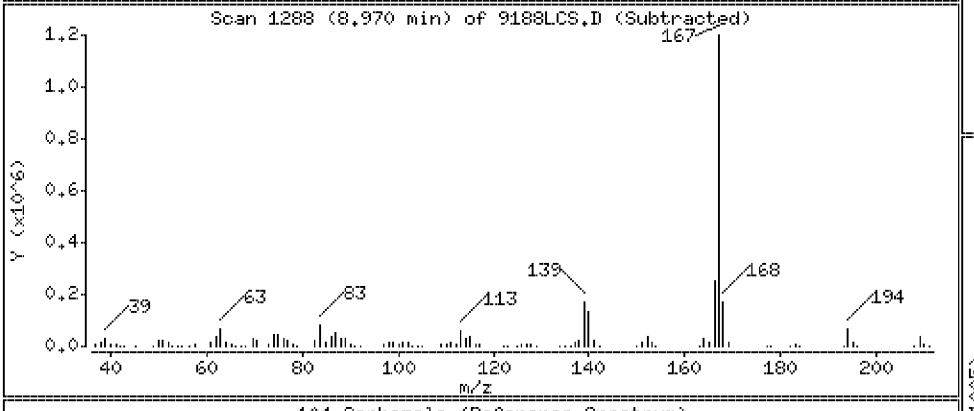
Column phase: HPMS-5

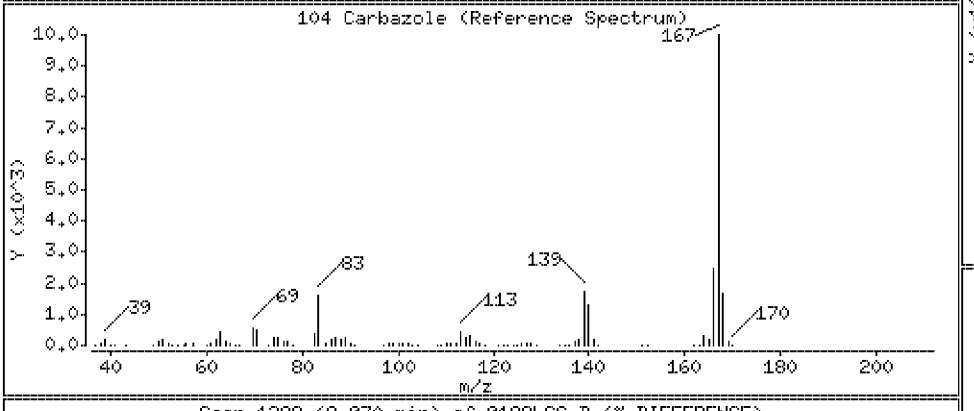
Column diameter: 0.25

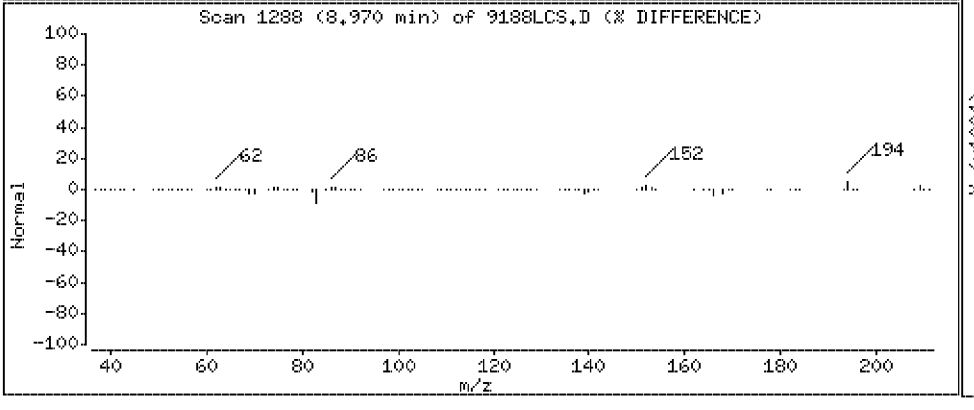
104 Carbazole

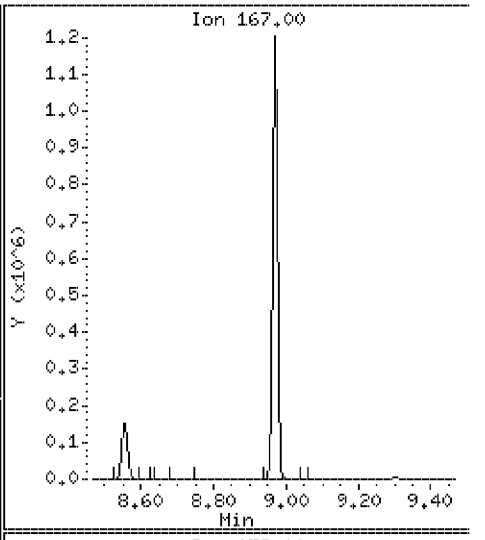
Concentration: 1950 ug/kg

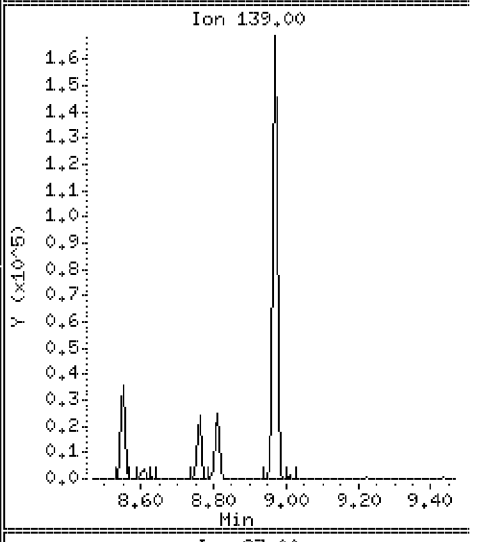


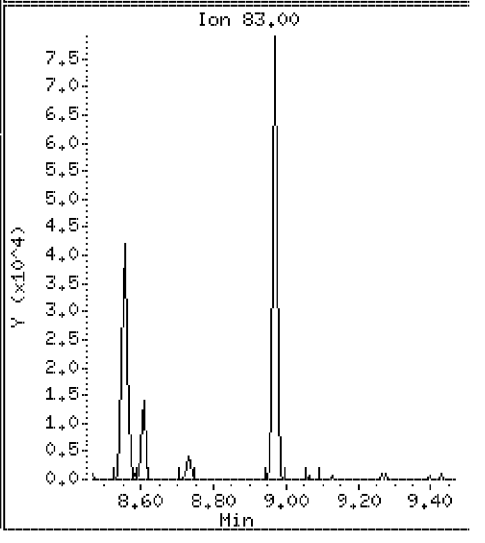












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

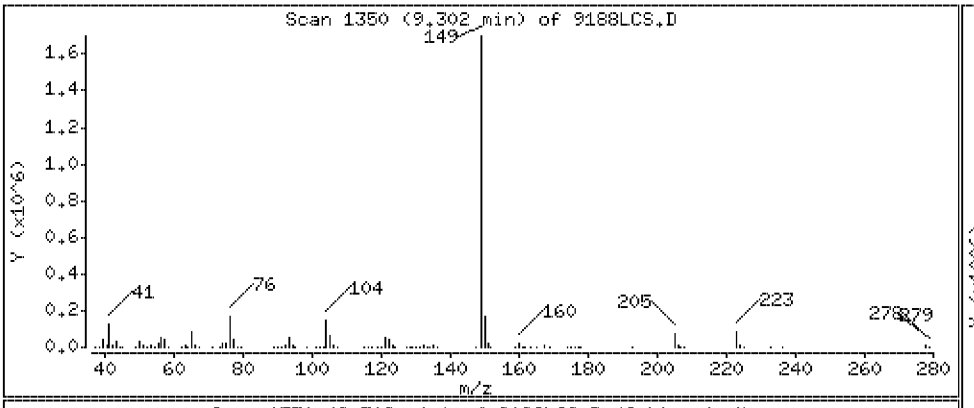
Operator: PEL

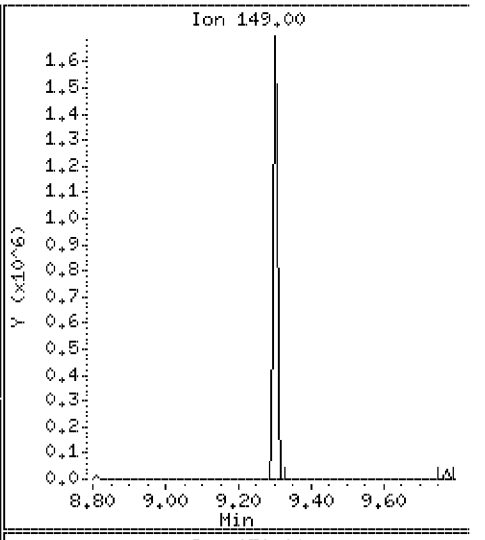
Column phase: HPMS-5

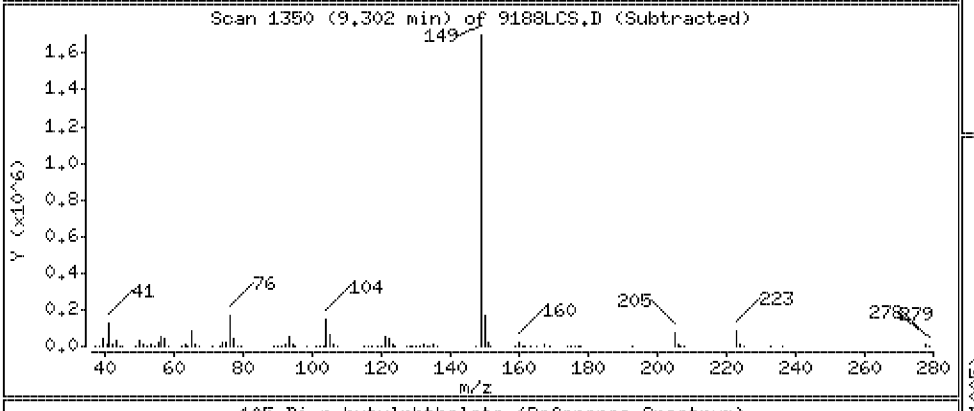
Column diameter: 0.25

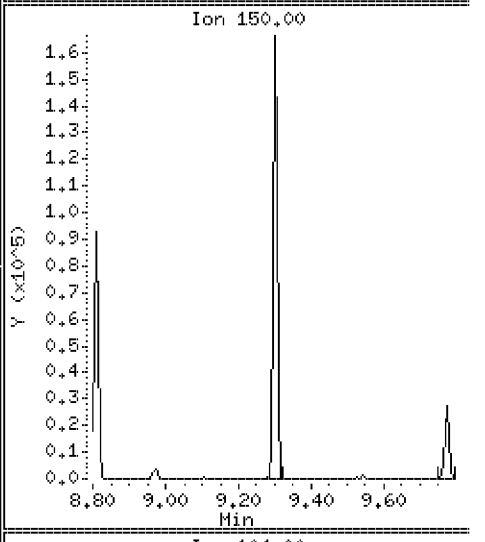
105 Di-n-butylphthalate

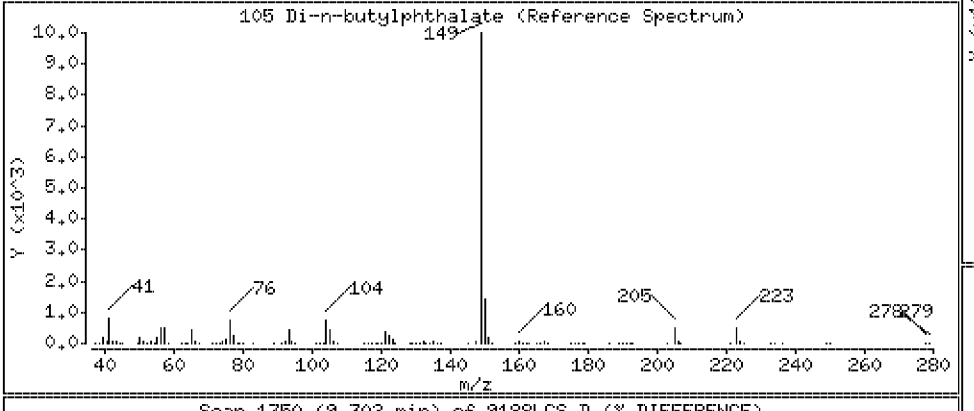
Concentration: 1900 ug/kg

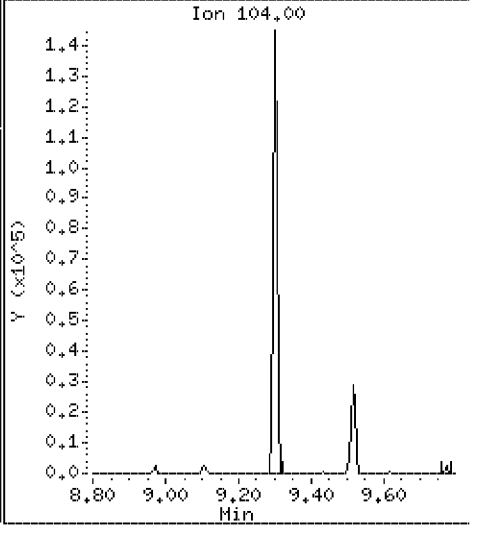


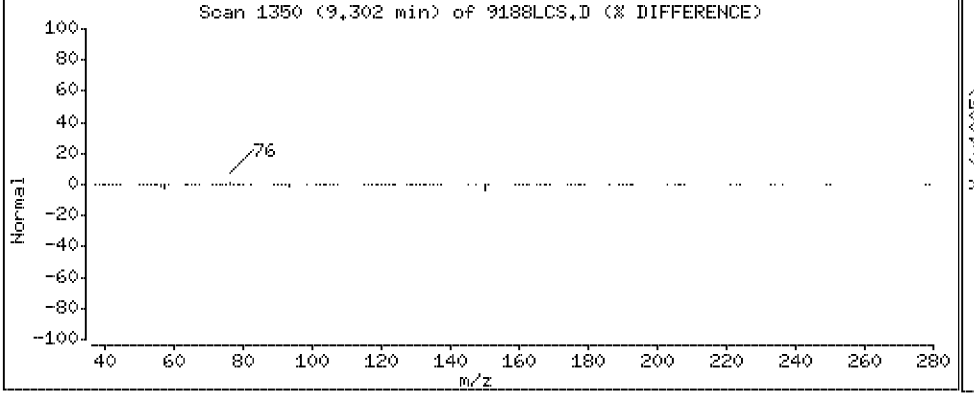












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

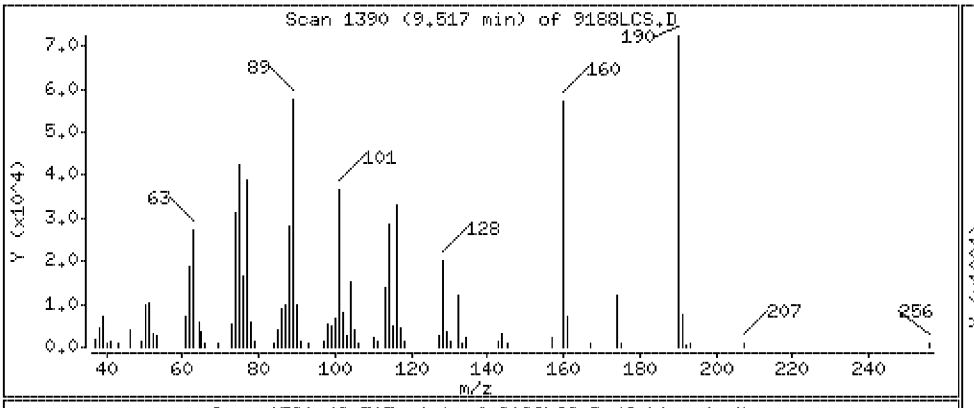
Operator: PEL

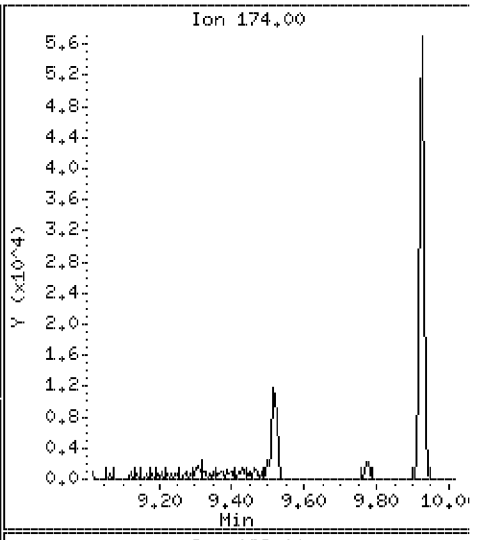
Column phase: HPMS-5

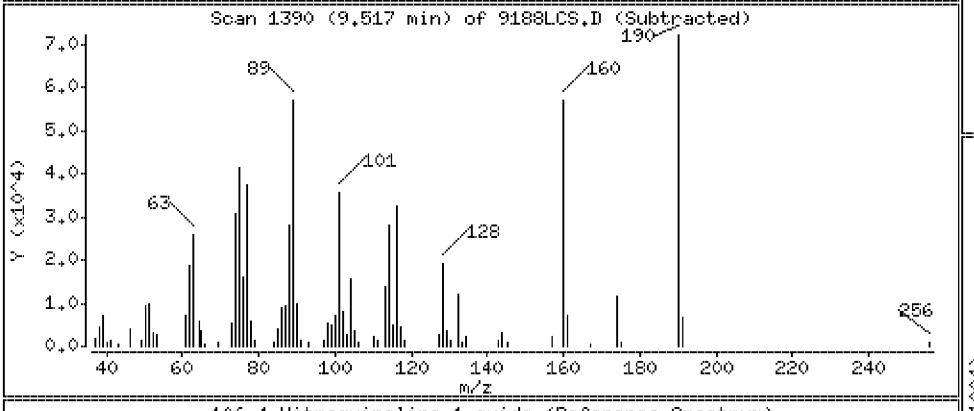
Column diameter: 0.25

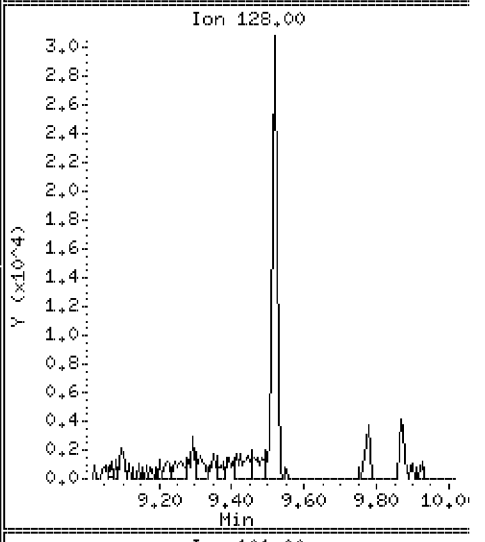
106 4-Nitroquinoline-1-oxide

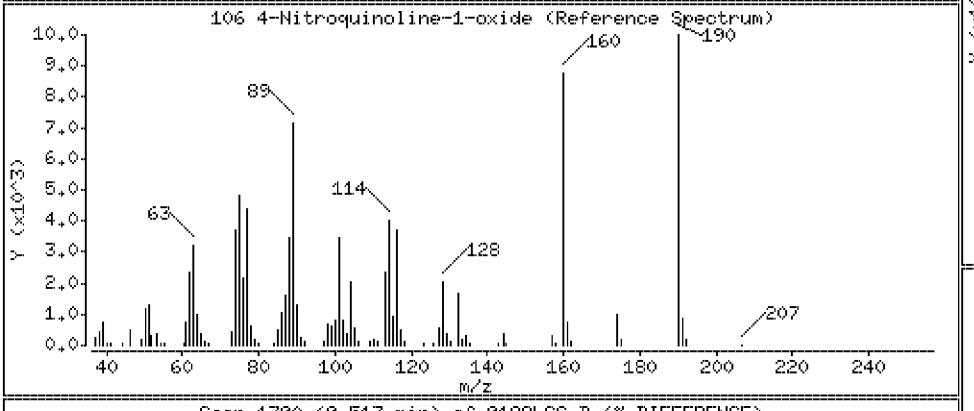
Concentration: 2130 ug/kg

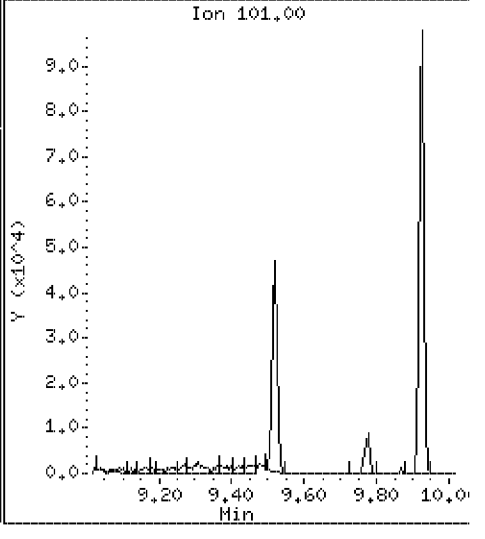


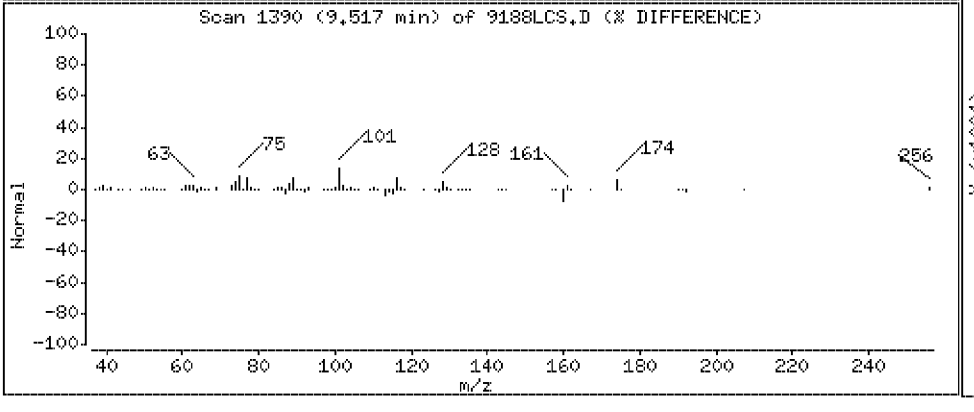












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

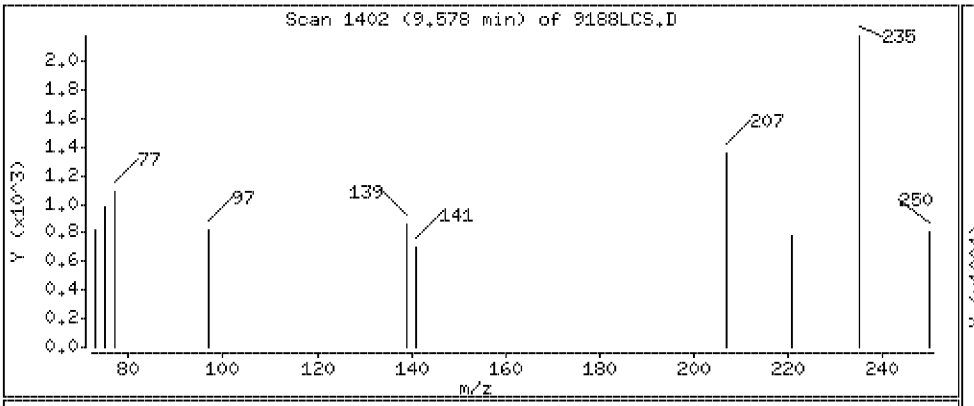
Operator: PEL

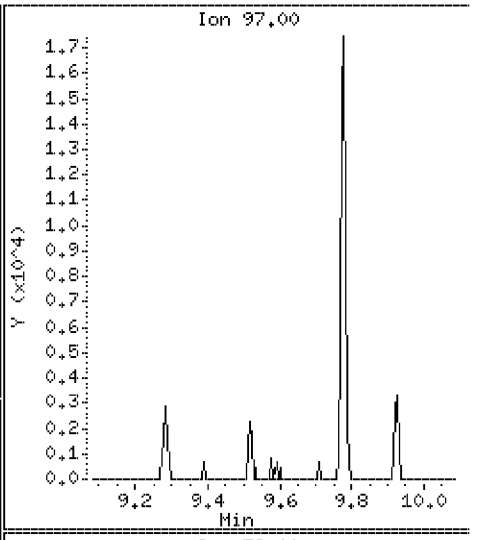
Column phase: HPMS-5

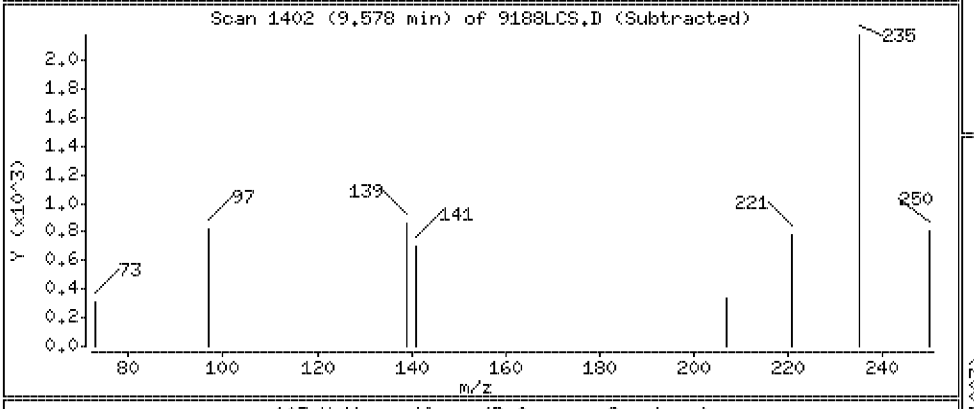
Column diameter: 0.25

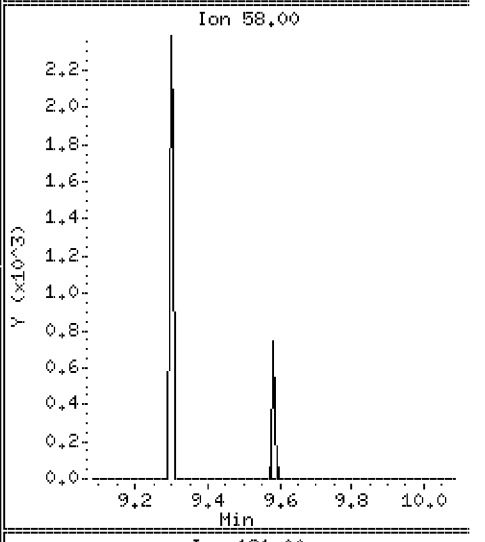
107 Methapyrilene

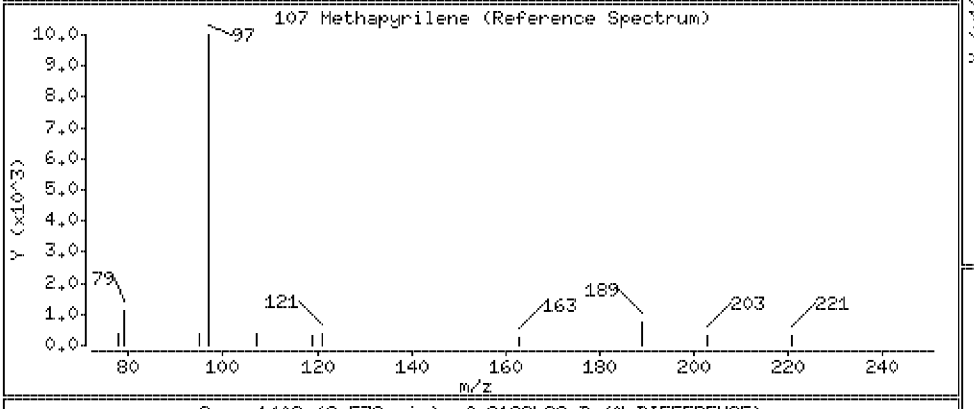
Concentration: 55.4 ug/kg

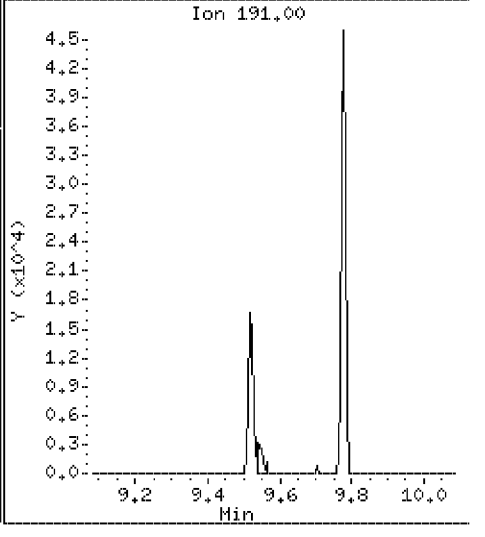


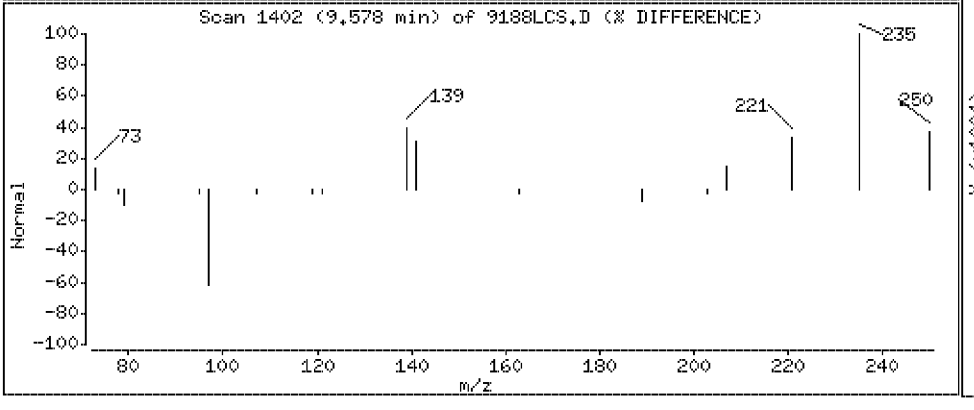












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

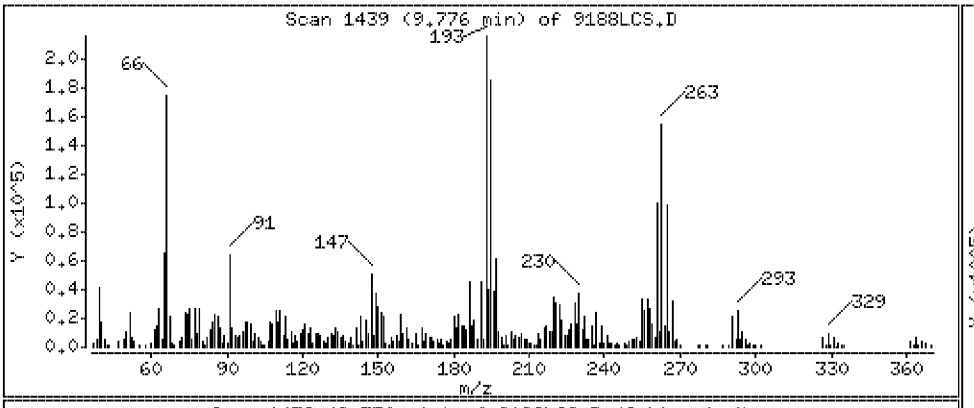
Operator: PEL

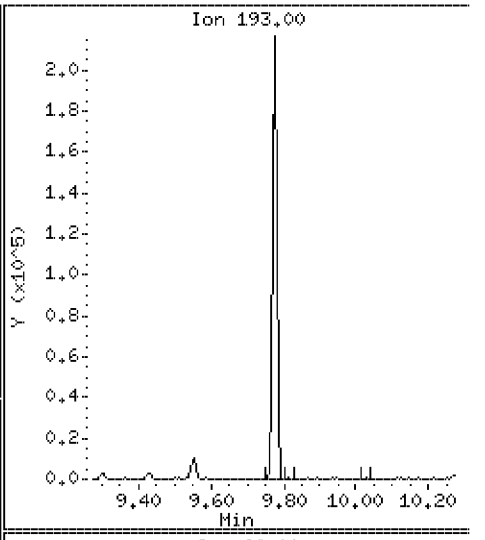
Column phase: HPMS-5

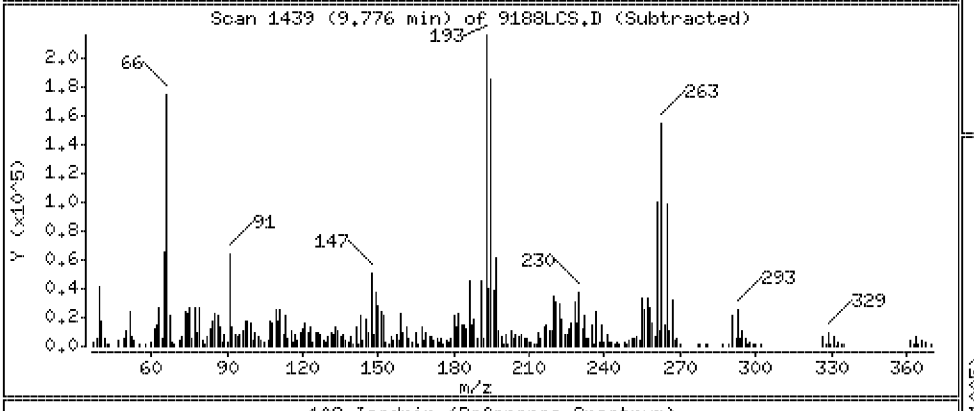
Column diameter: 0.25

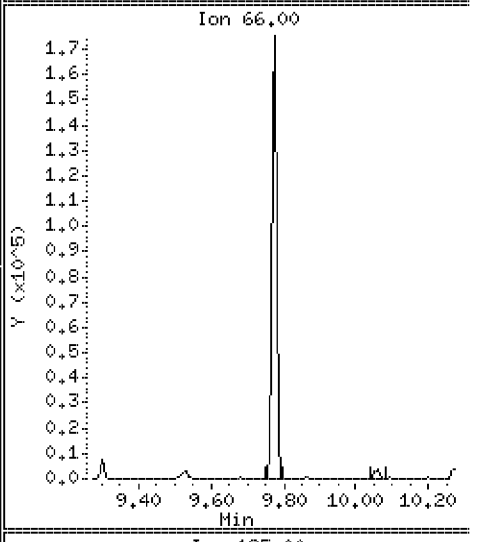
108 Isodrin

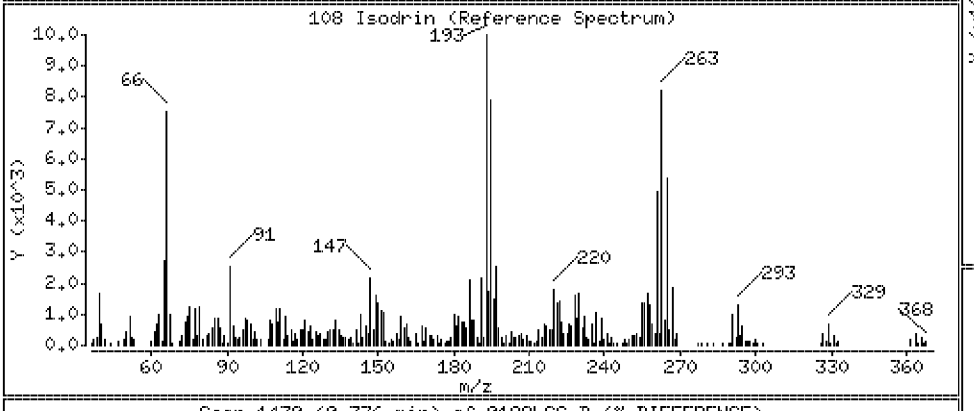
Concentration: 2250 ug/kg

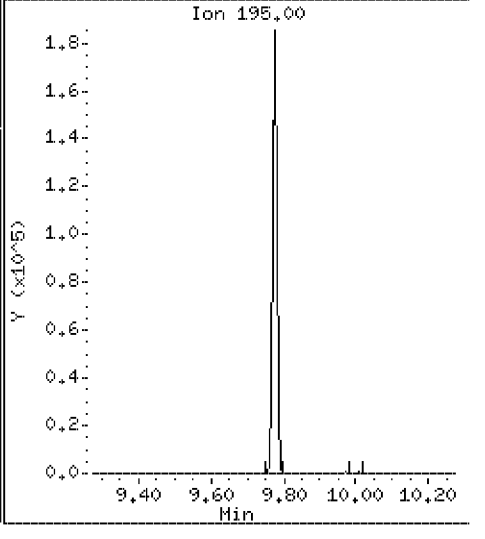


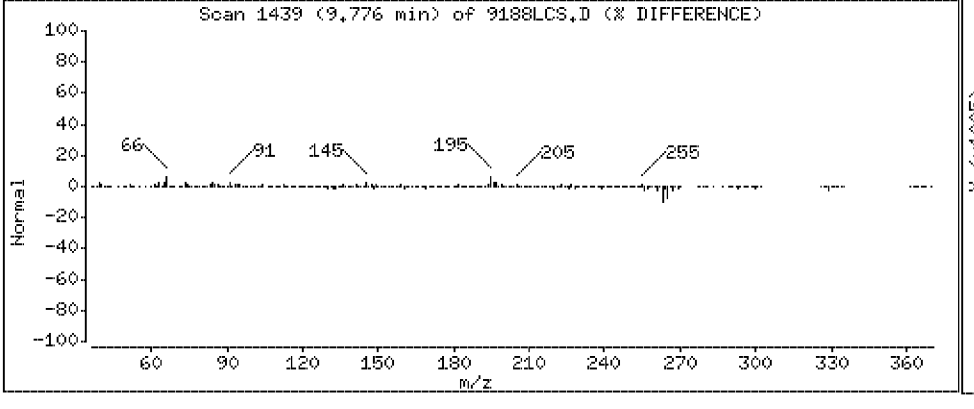












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

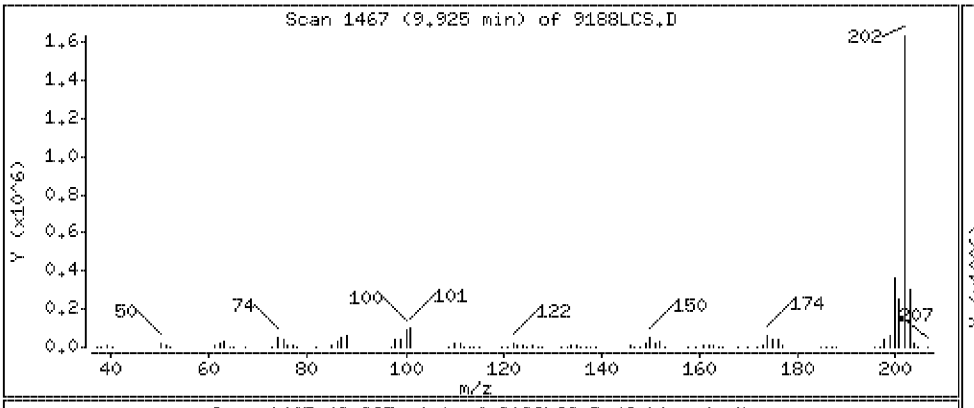
Operator: PEL

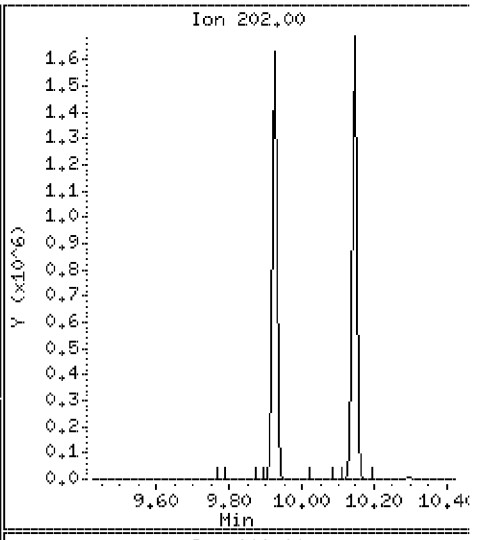
Column phase: HPMS-5

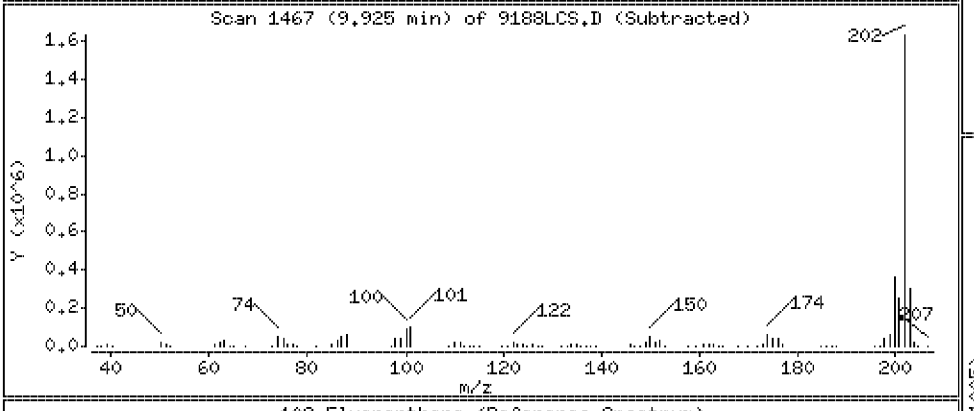
Column diameter: 0.25

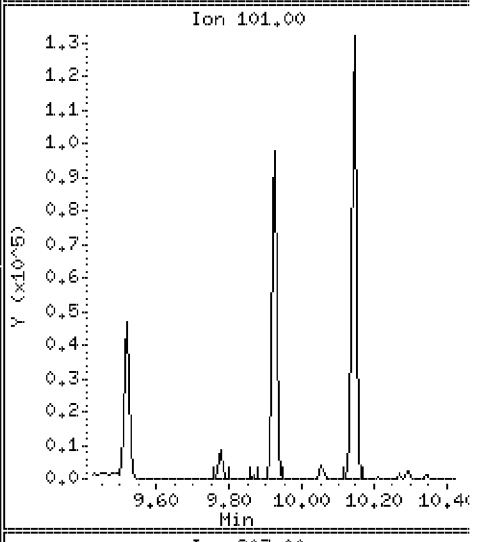
109 Fluoranthene

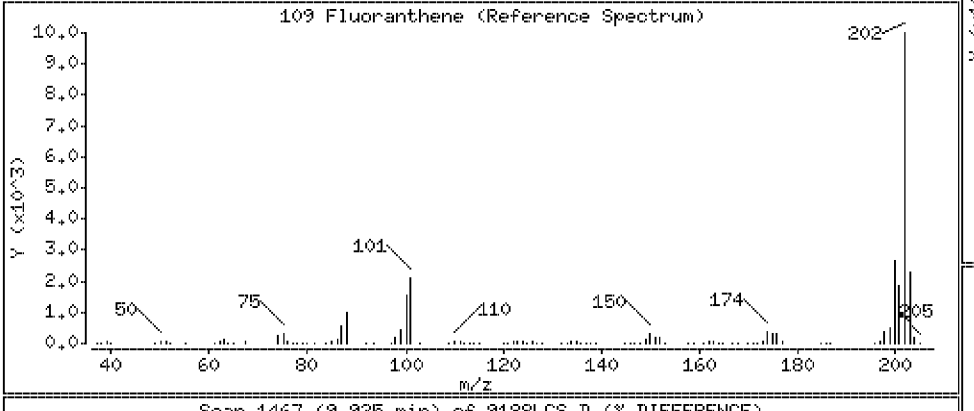
Concentration: 1890 ug/kg

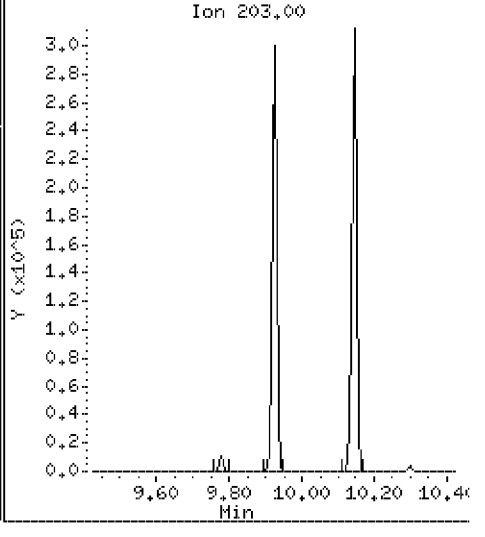


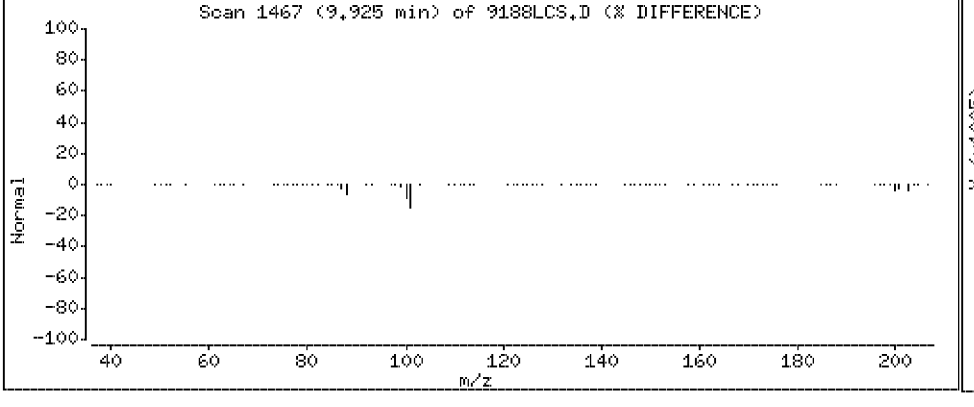












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

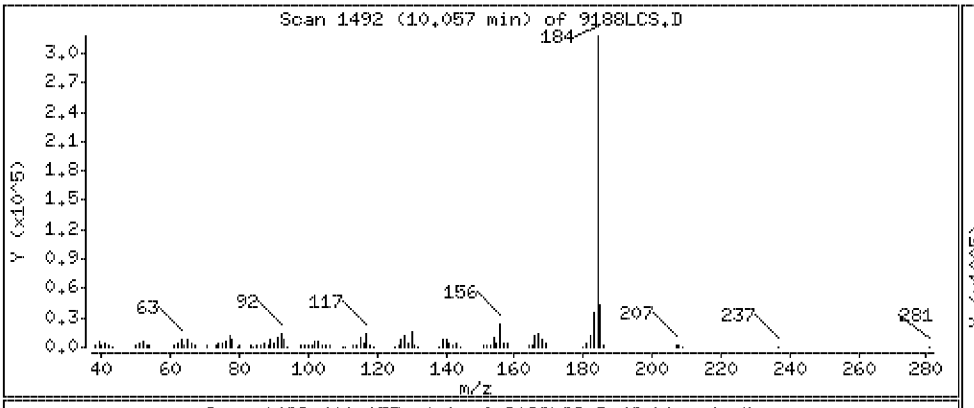
Operator: PEL

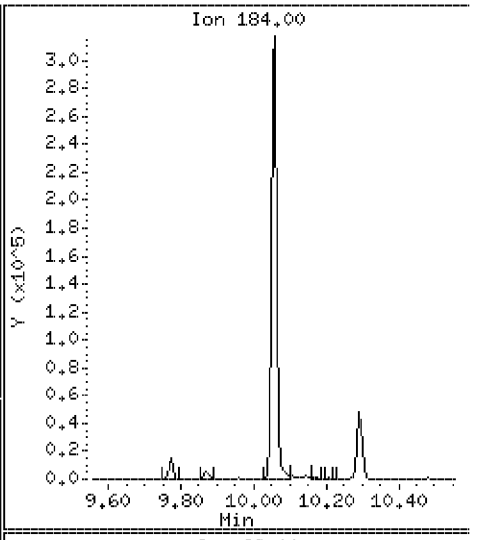
Column phase: HPMS-5

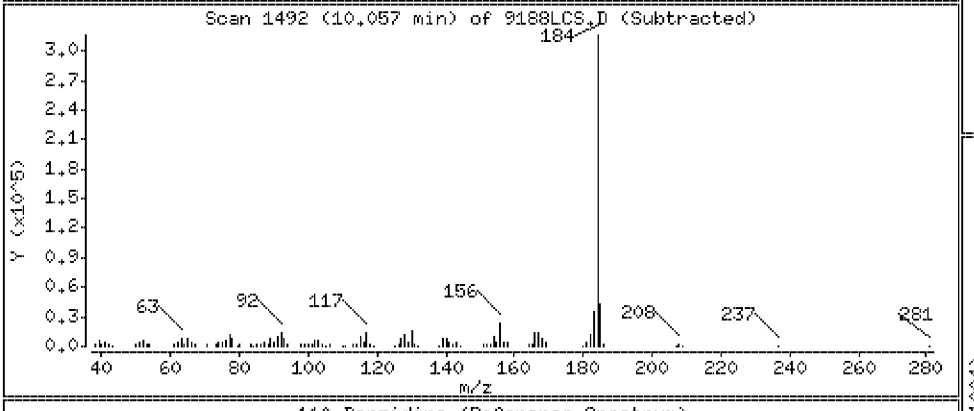
Column diameter: 0.25

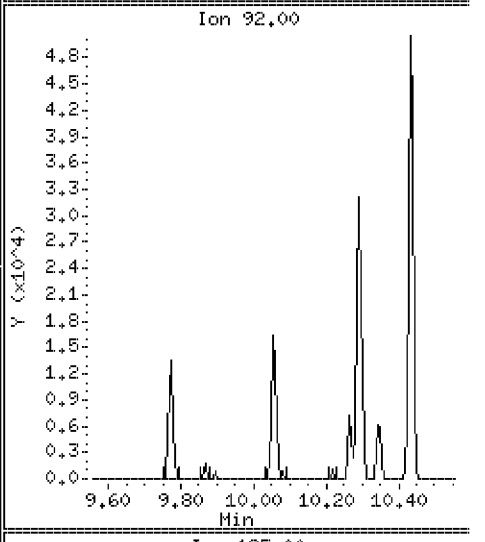
110 Benzidine

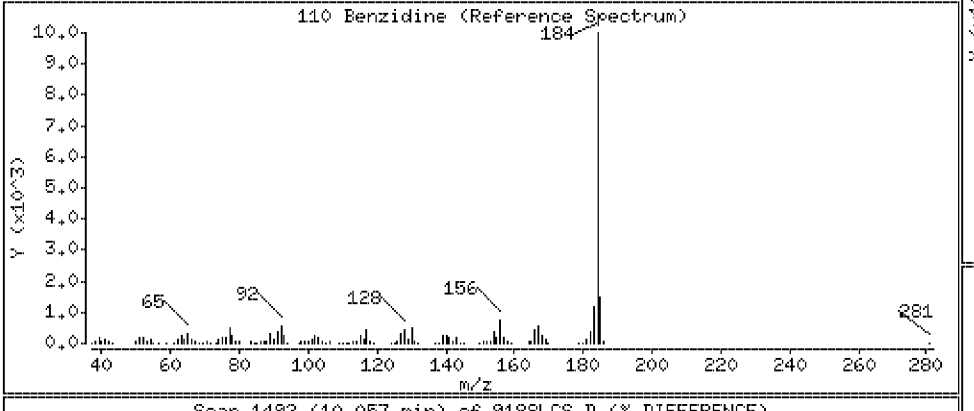
Concentration: 489 ug/kg

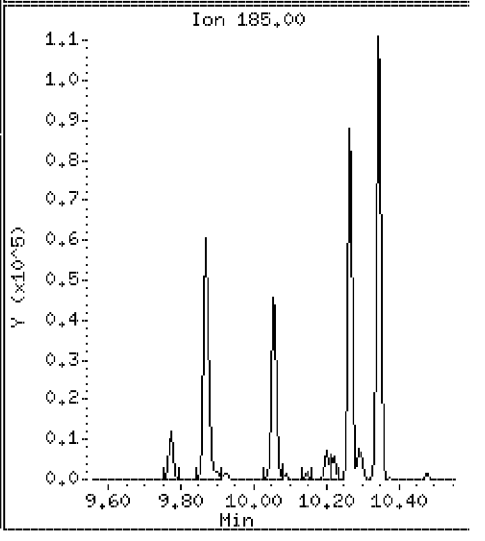


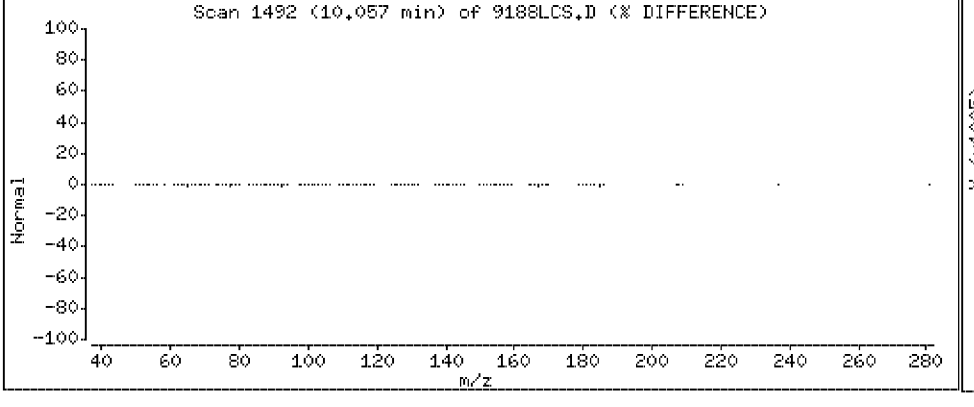












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

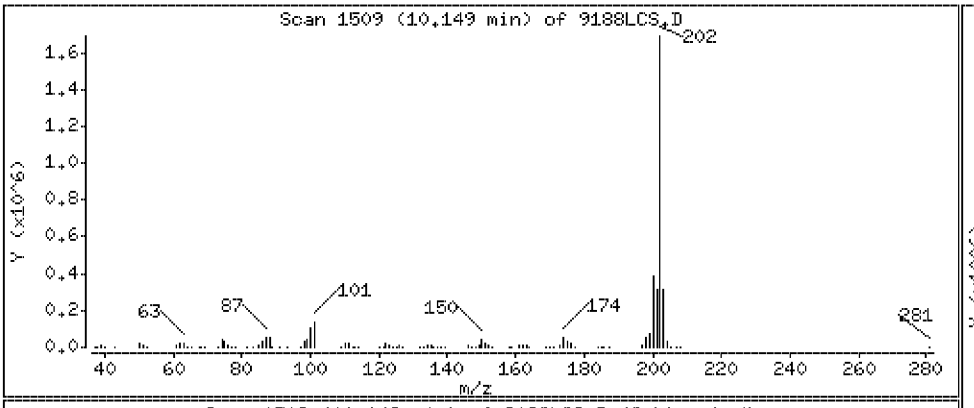
Operator: PEL

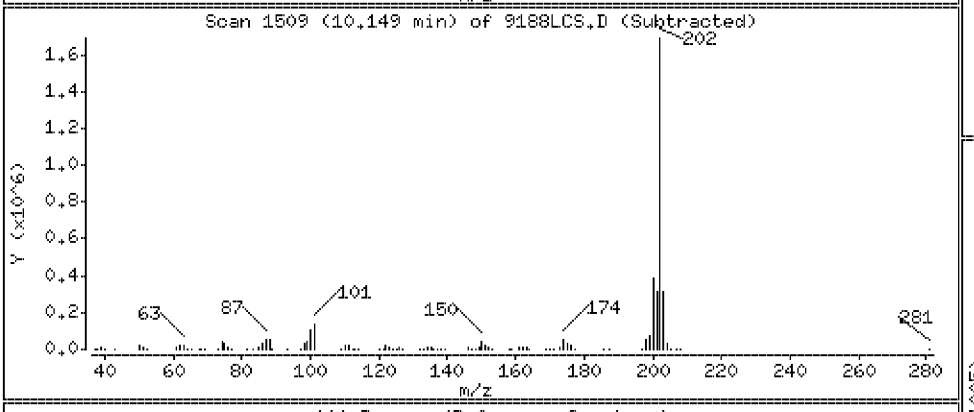
Column phase: HPMS-5

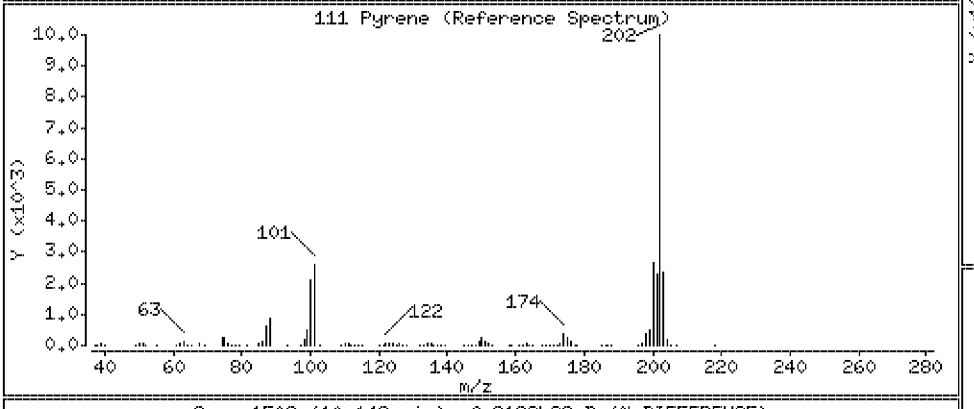
Column diameter: 0.25

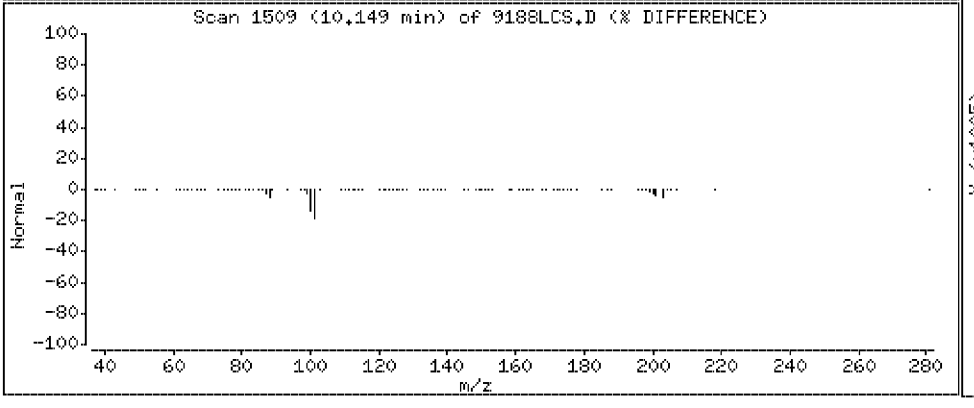
111 Pyrene

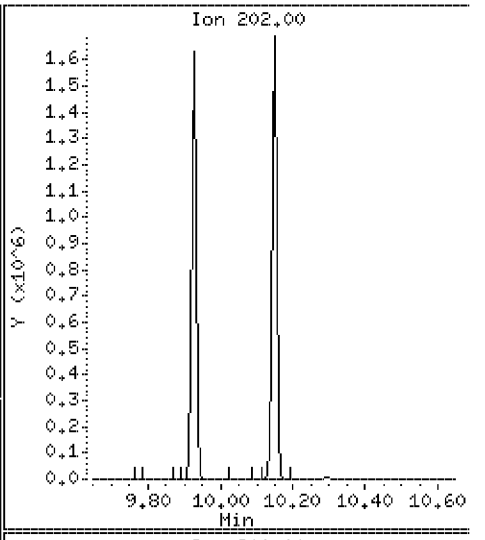
Concentration: 1820 ug/kg

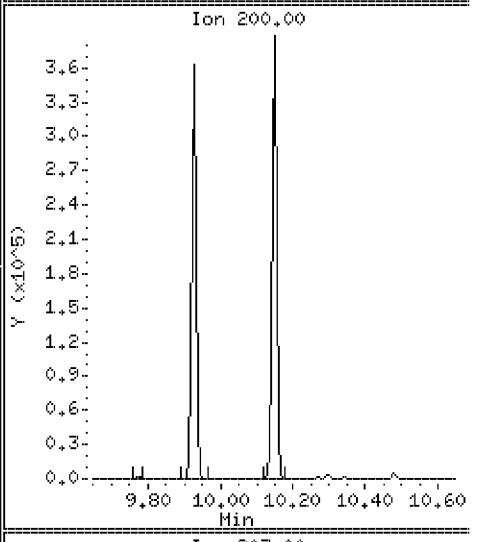


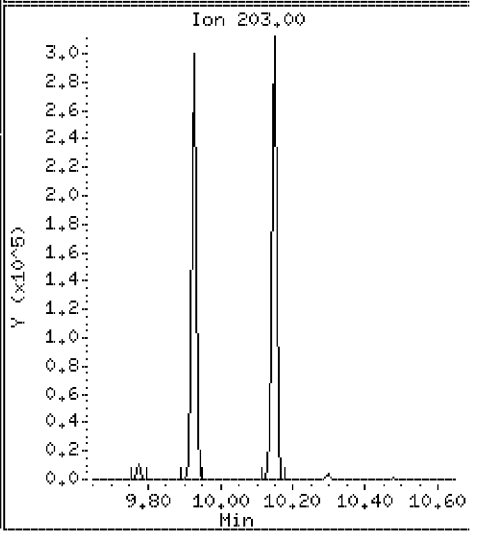












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

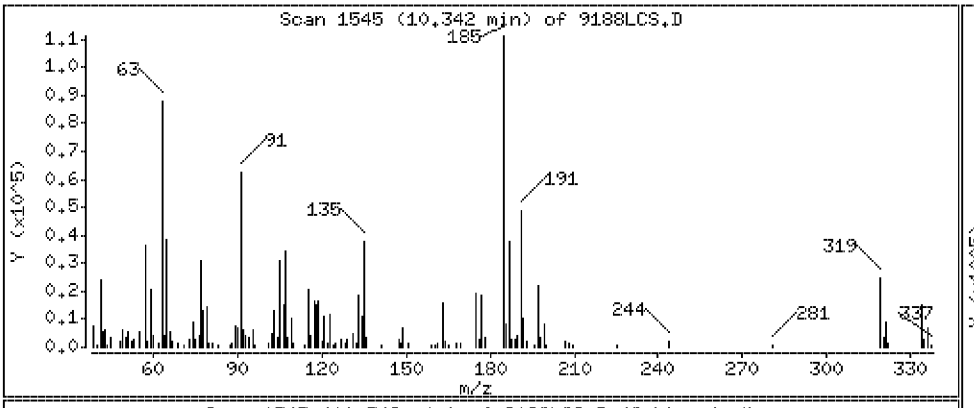
Operator: PEL

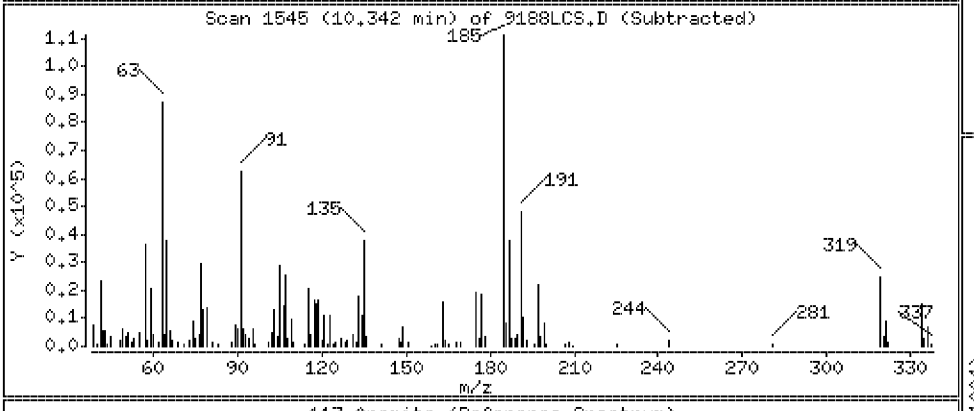
Column phase: HPMS-5

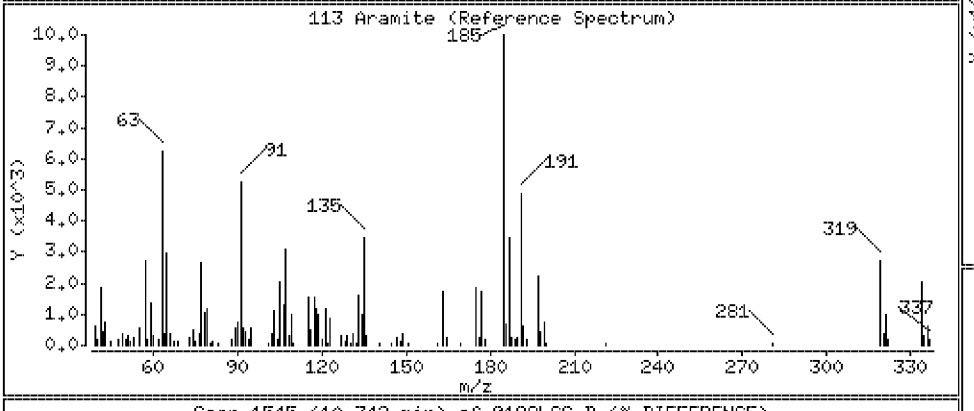
Column diameter: 0.25

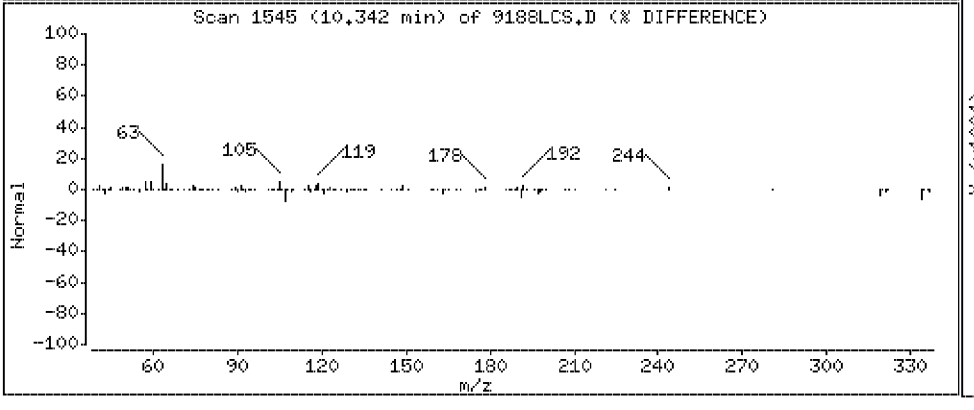
113 Aramite

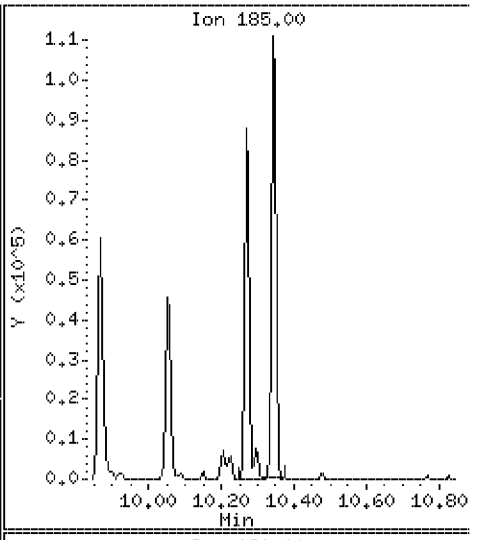
Concentration: 1720 ug/kg

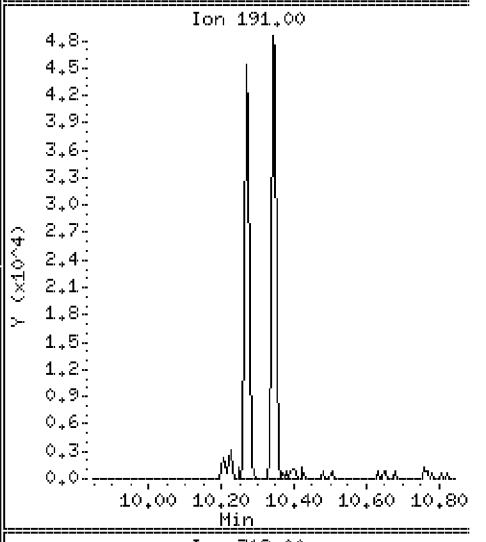


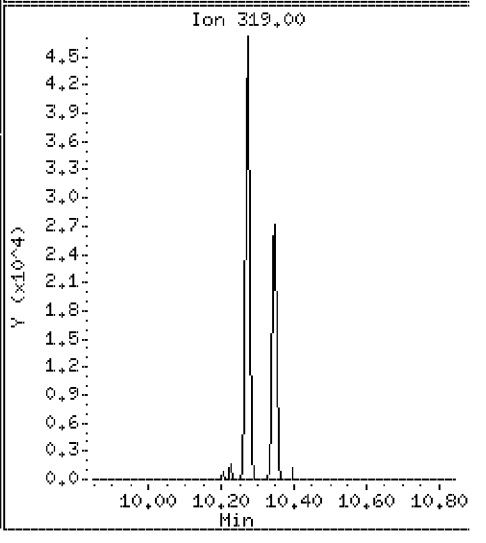












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

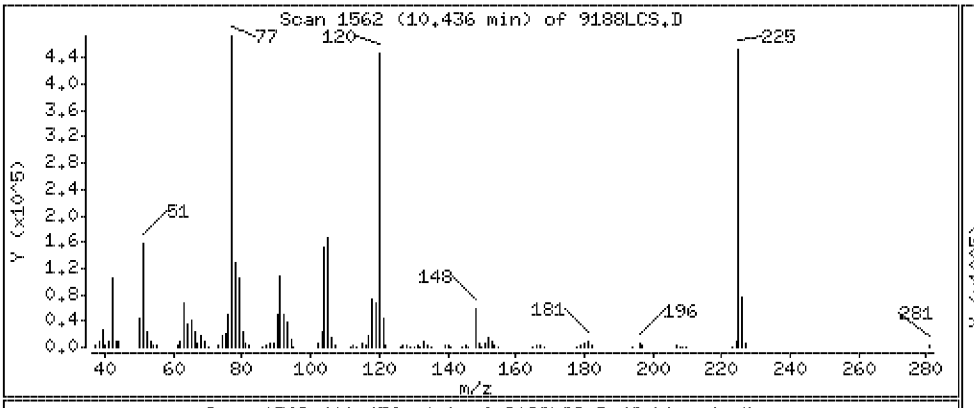
Operator: PEL

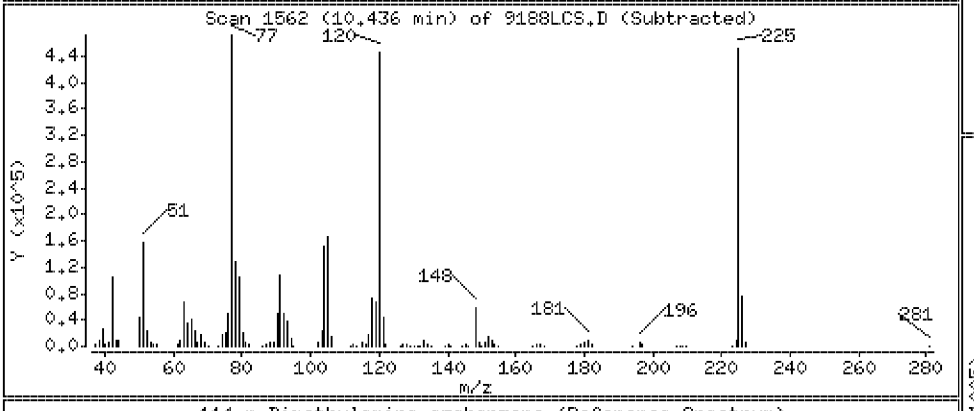
Column phase: HPMS-5

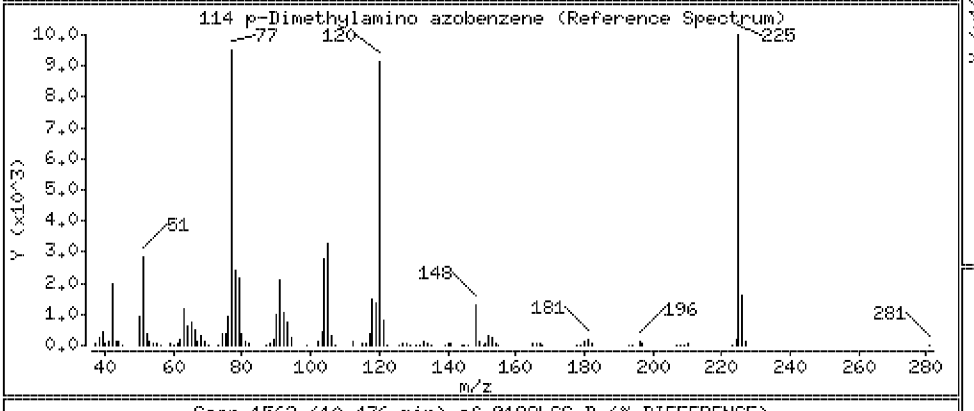
Column diameter: 0.25

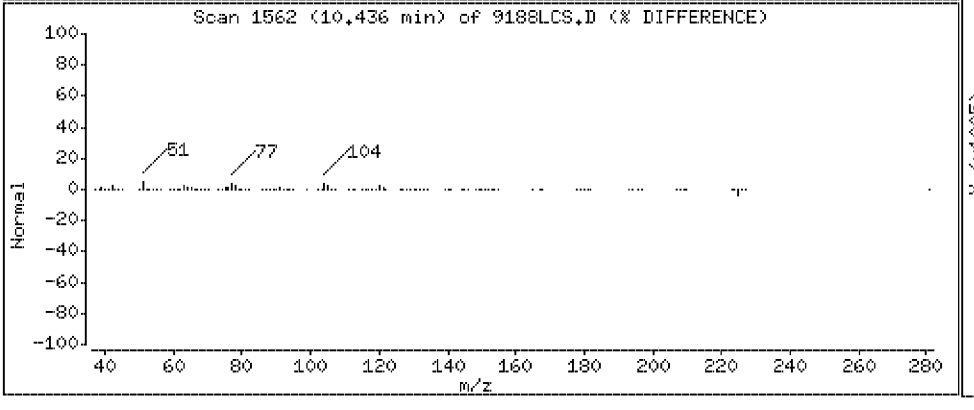
114 p-Dimethylamino azobenzene

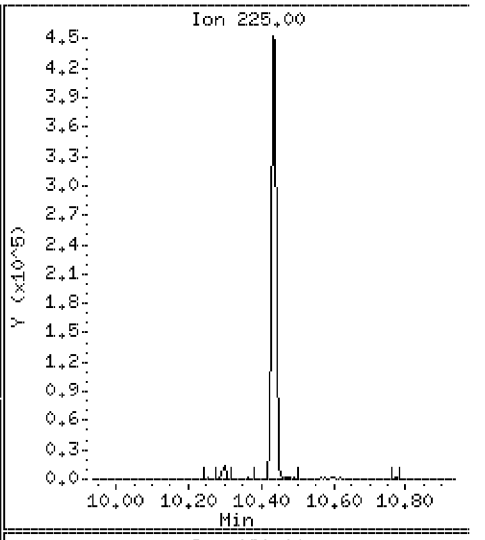
Concentration: 1710 ug/kg

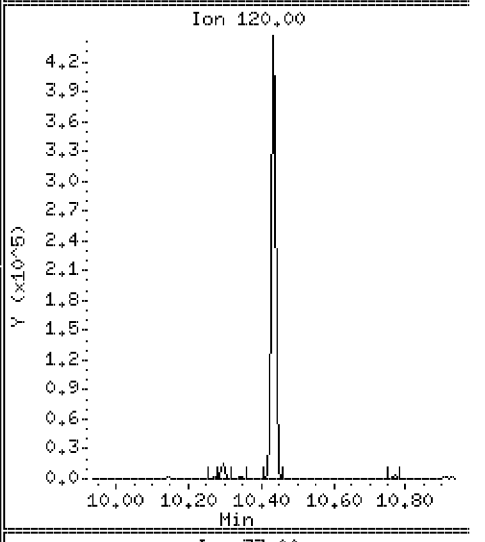


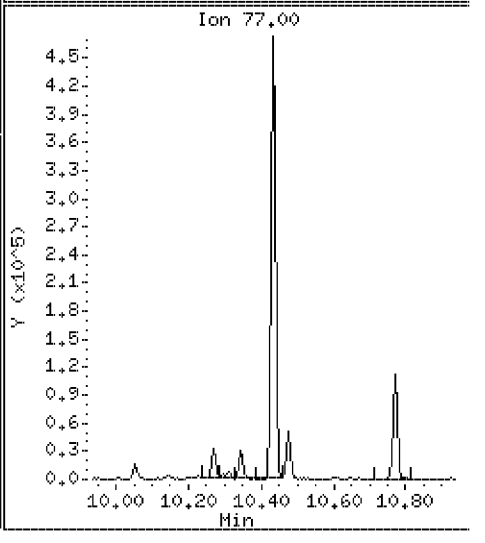












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

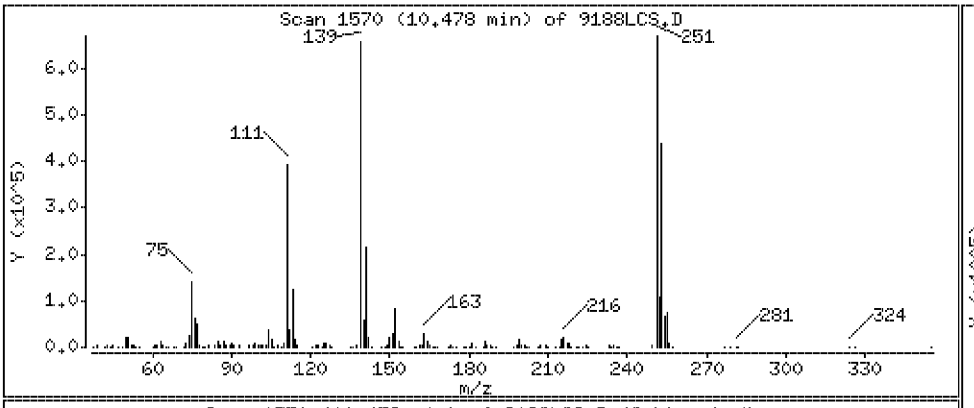
Operator: PEL

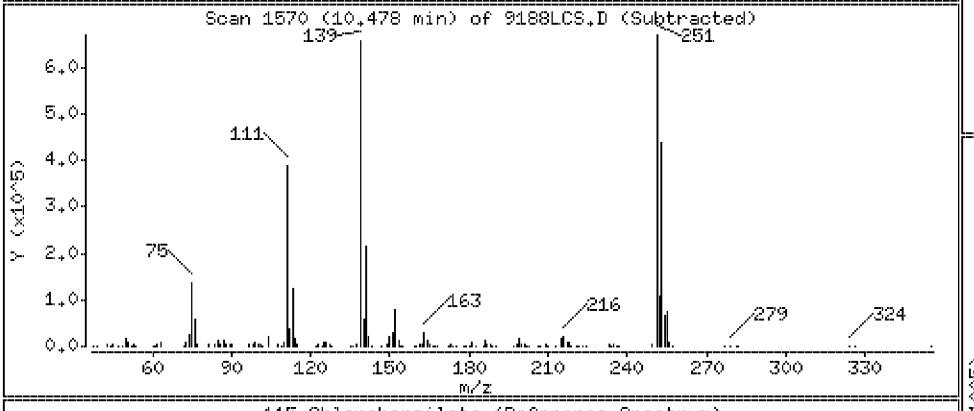
Column phase: HPMS-5

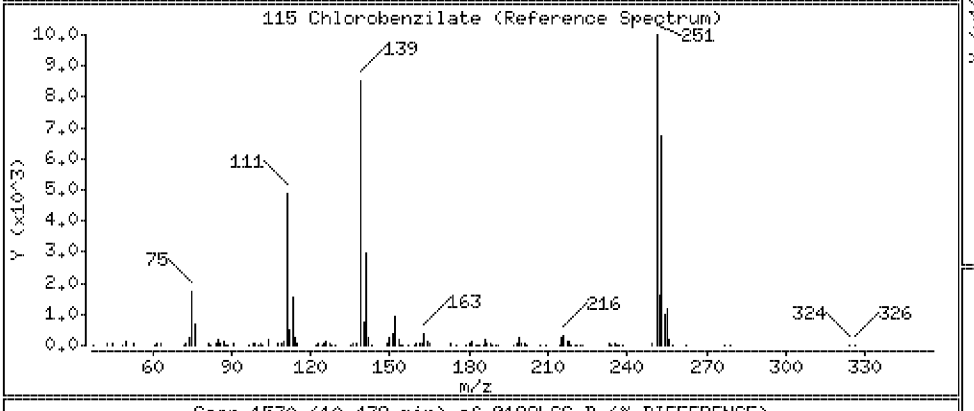
Column diameter: 0.25

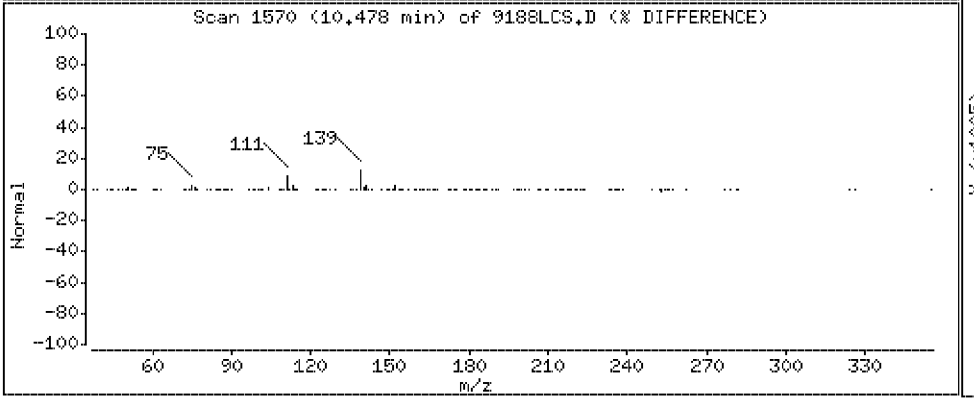
115 Chlorobenzilate

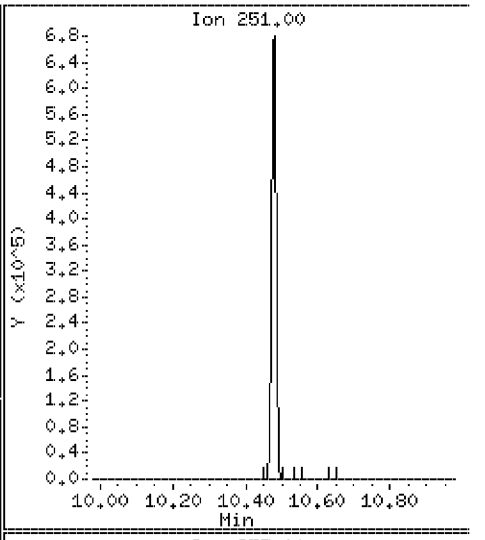
Concentration: 1580 ug/kg

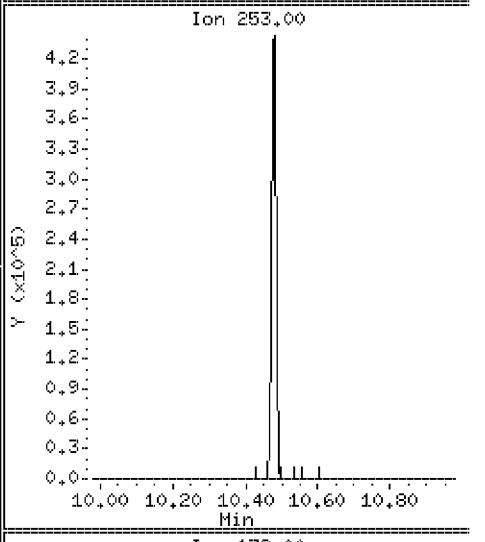


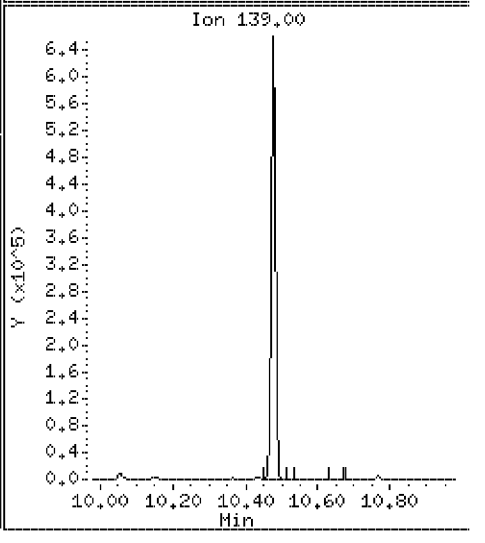












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

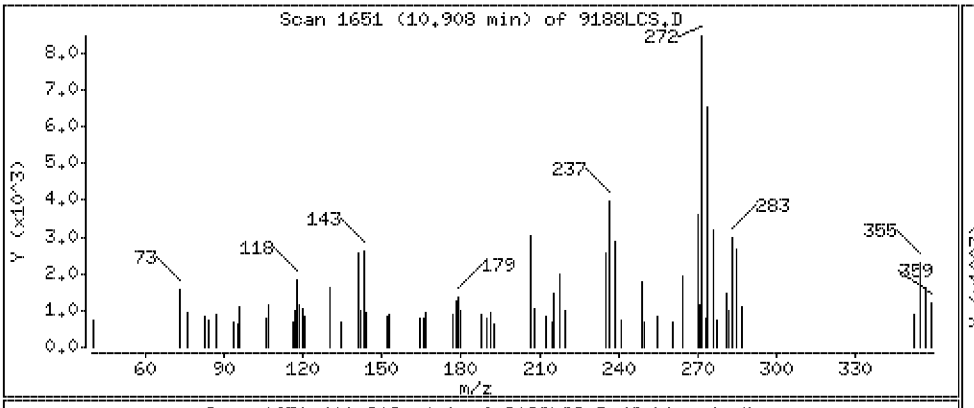
Operator: PEL

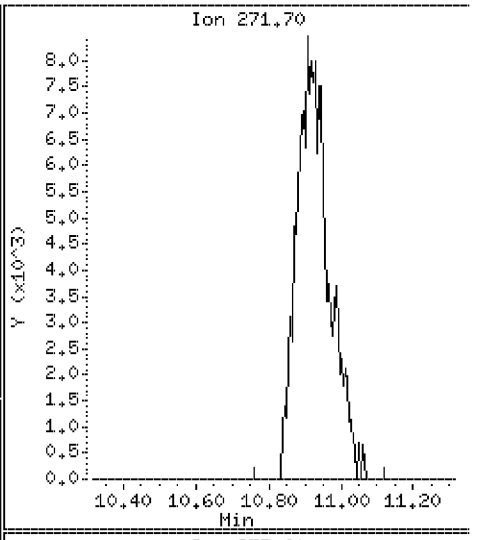
Column phase: HPMS-5

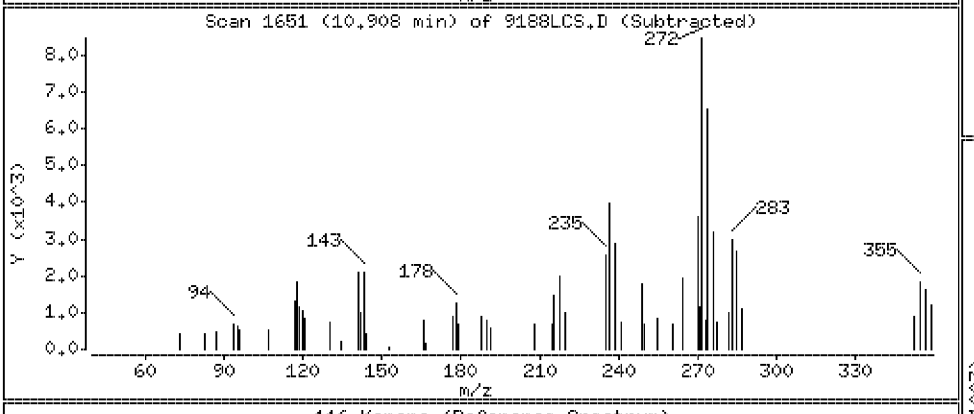
Column diameter: 0.25

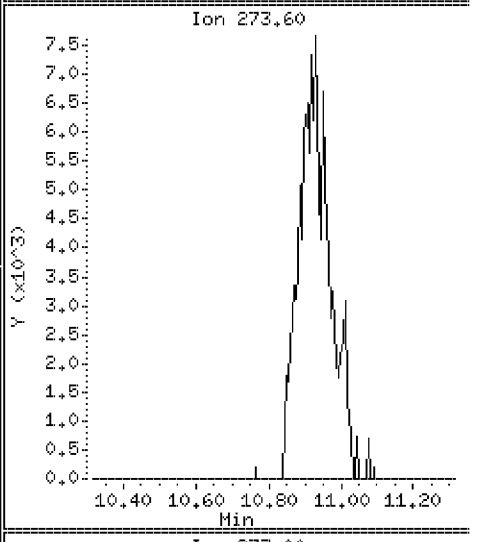
116 Kepone

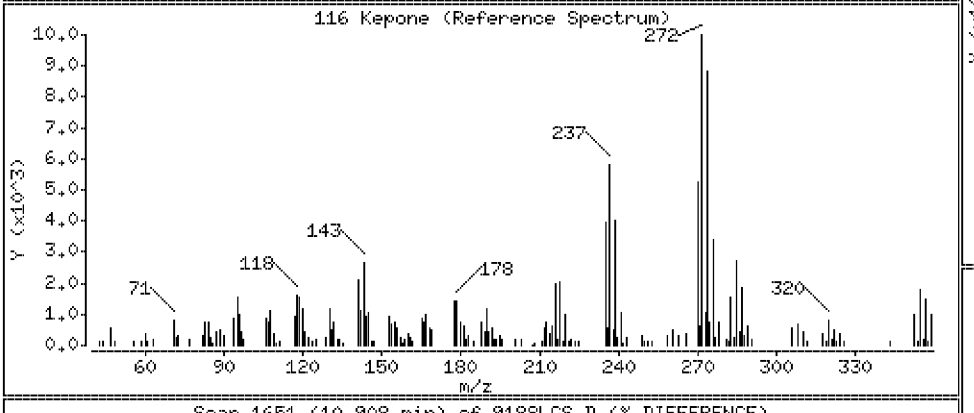
Concentration: 802 ug/kg

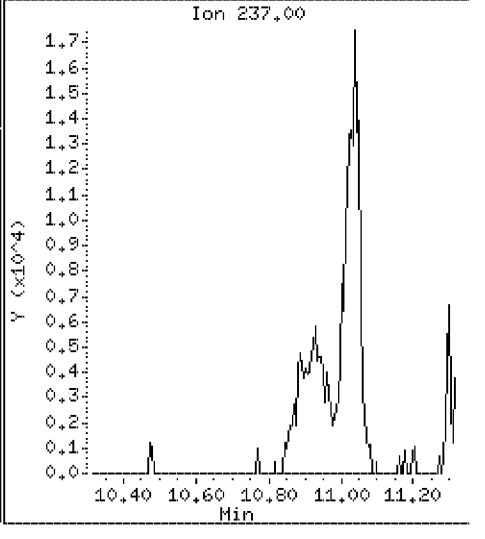


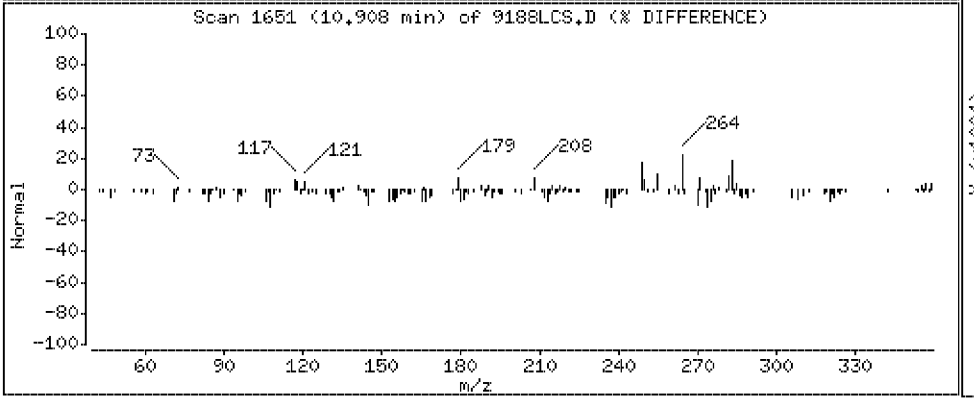












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

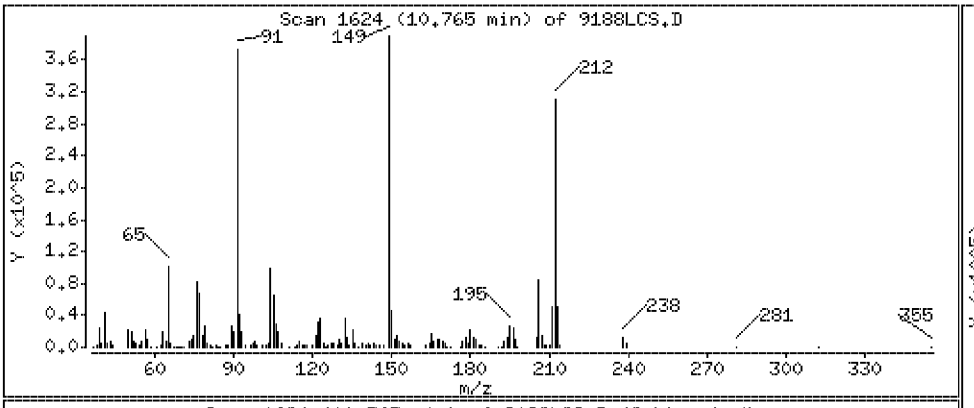
Operator: PEL

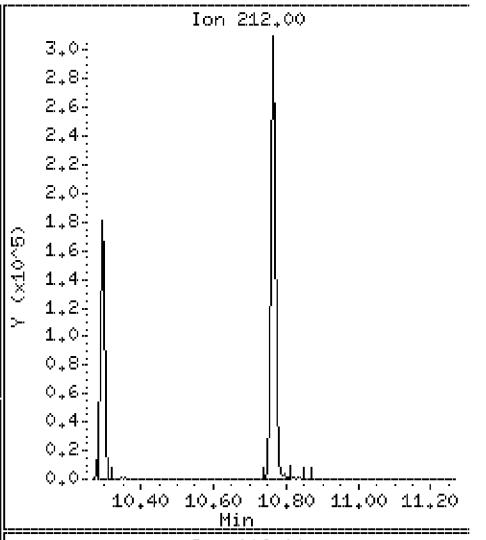
Column phase: HPMS-5

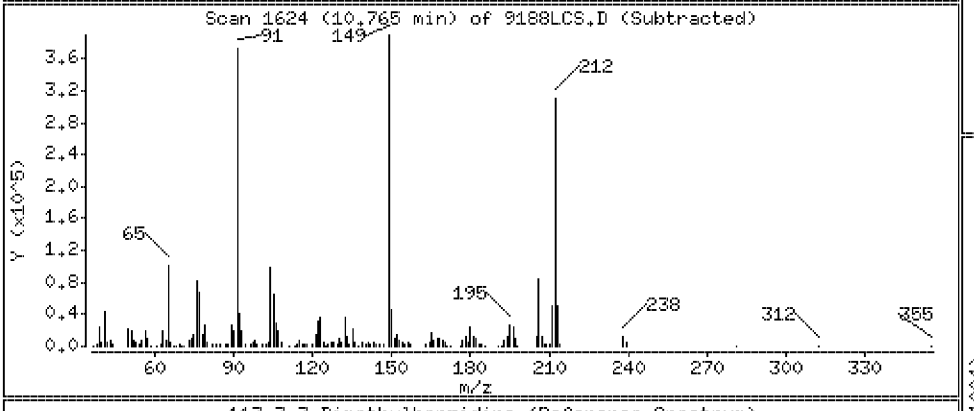
Column diameter: 0.25

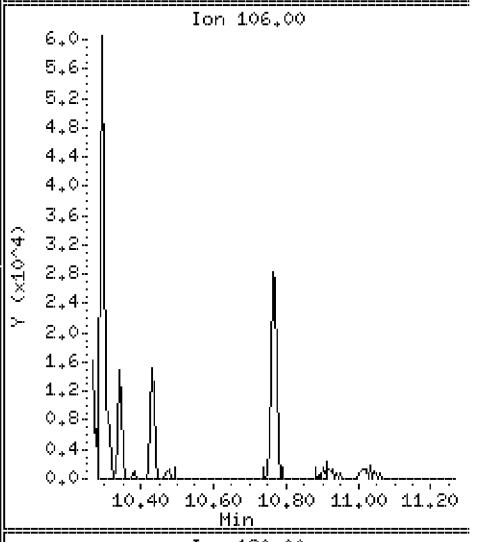
117 3,3-Dimethylbenzidine

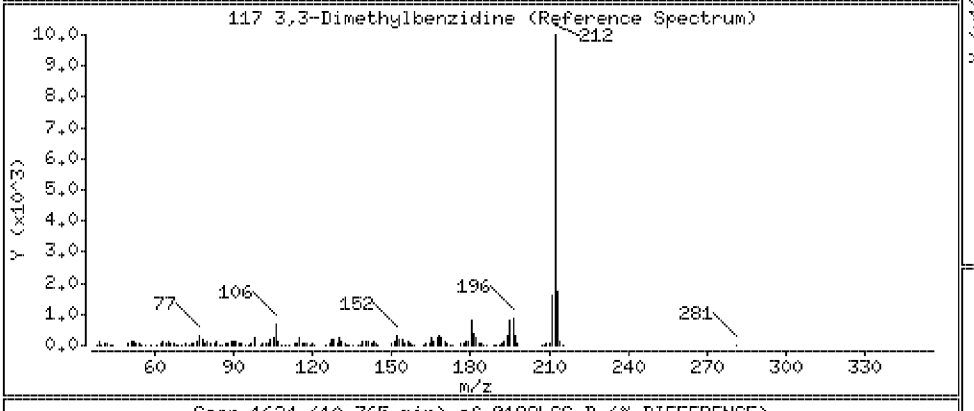
Concentration: 373 ug/kg

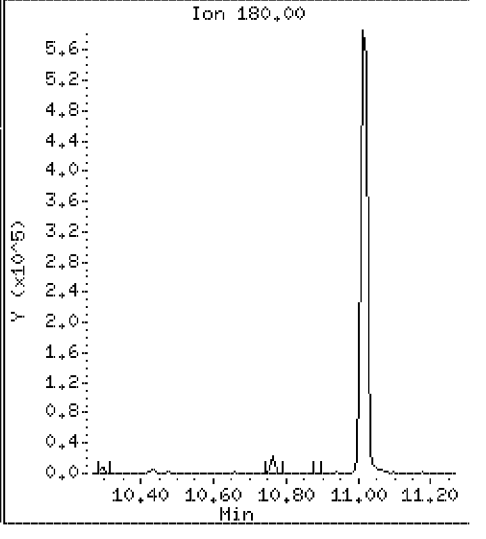


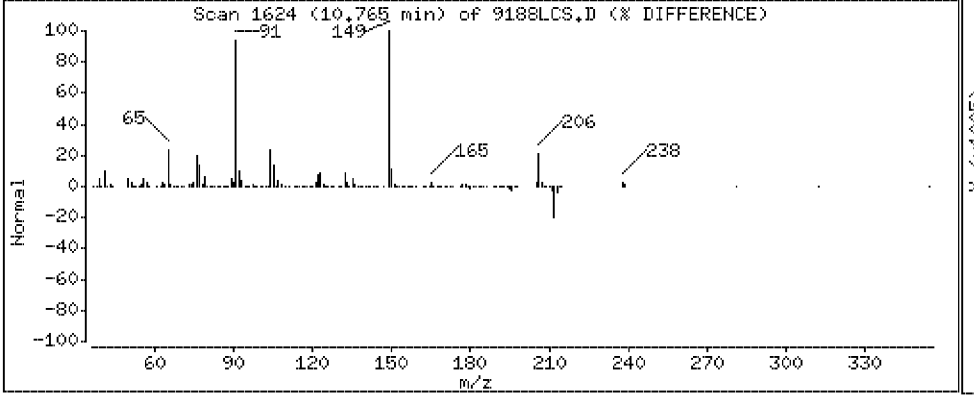












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

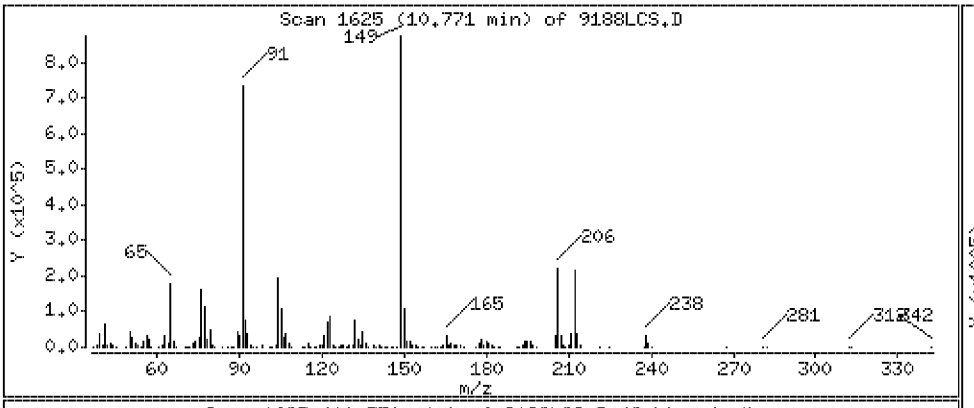
Operator: PEL

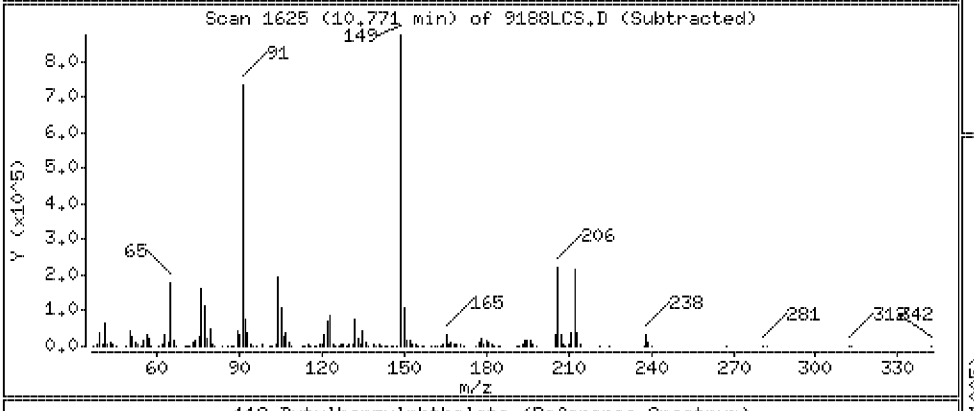
Column phase: HPMS-5

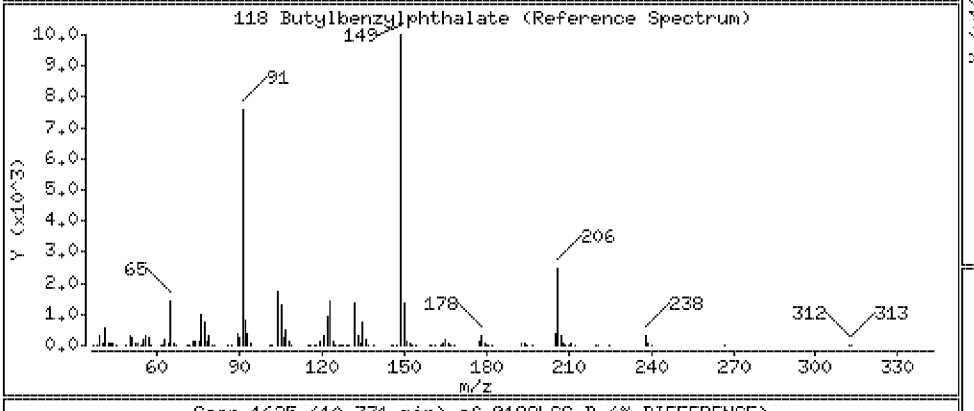
Column diameter: 0.25

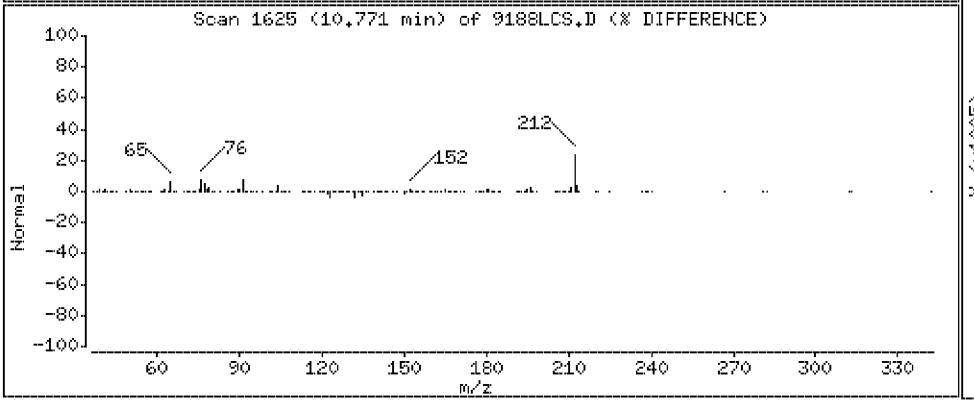
118 Butylbenzylphthalate

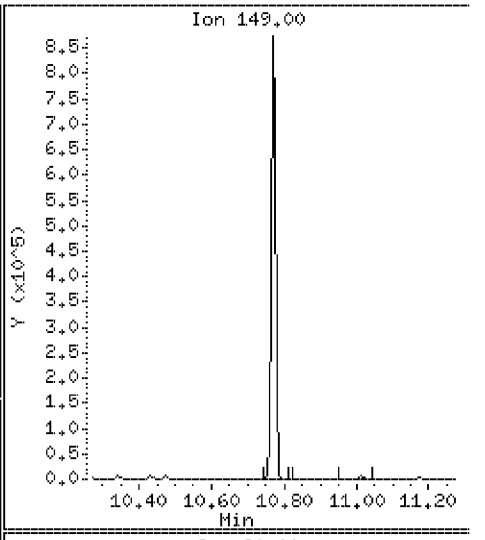
Concentration: 2020 ug/kg

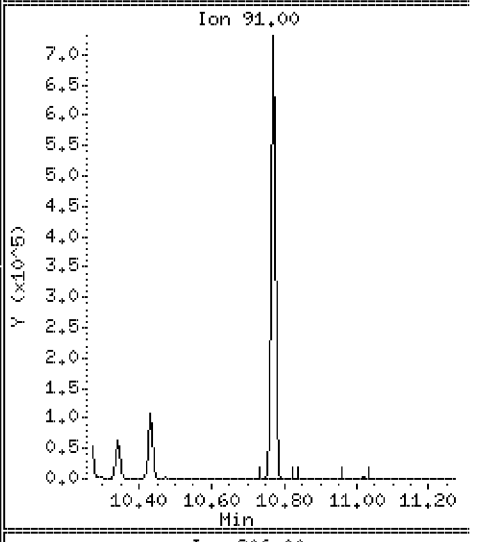


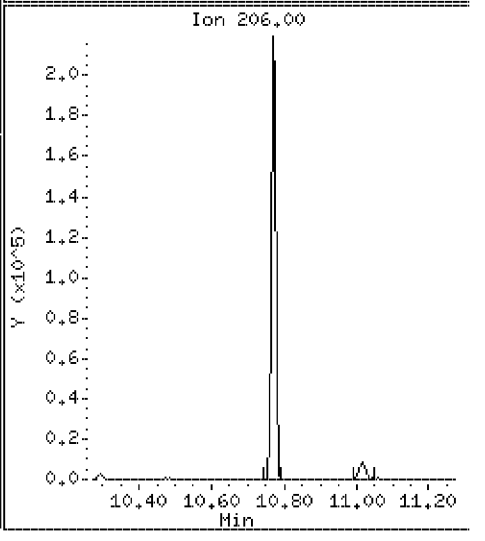












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

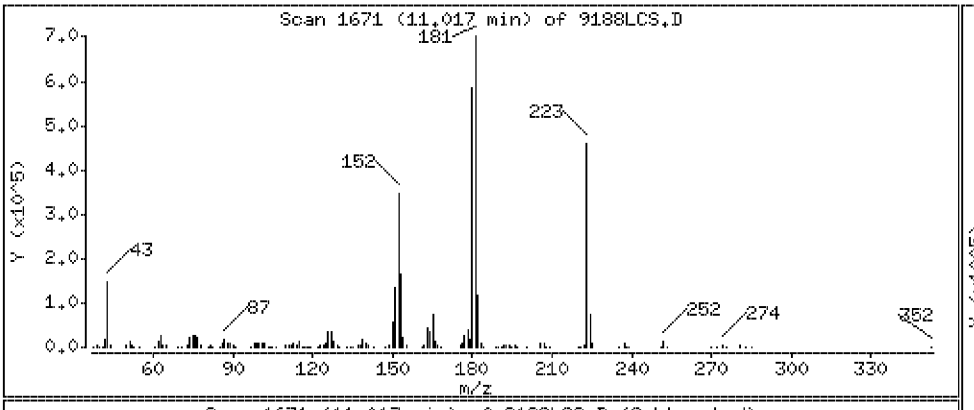
Operator: PEL

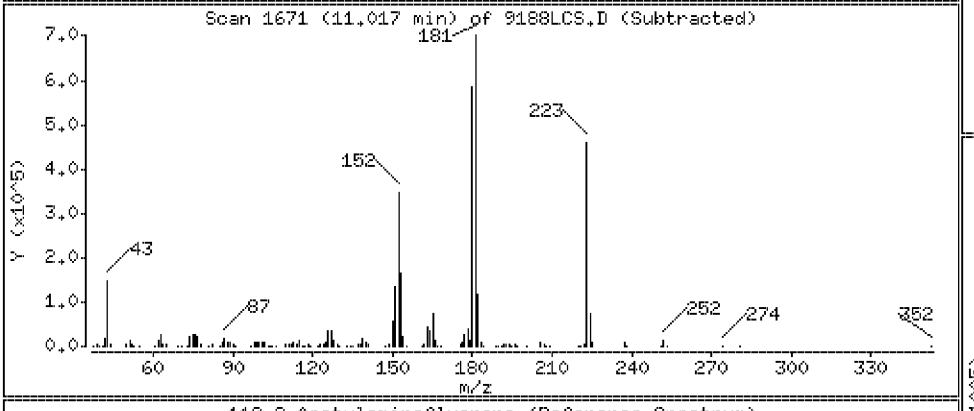
Column phase: HPMS-5

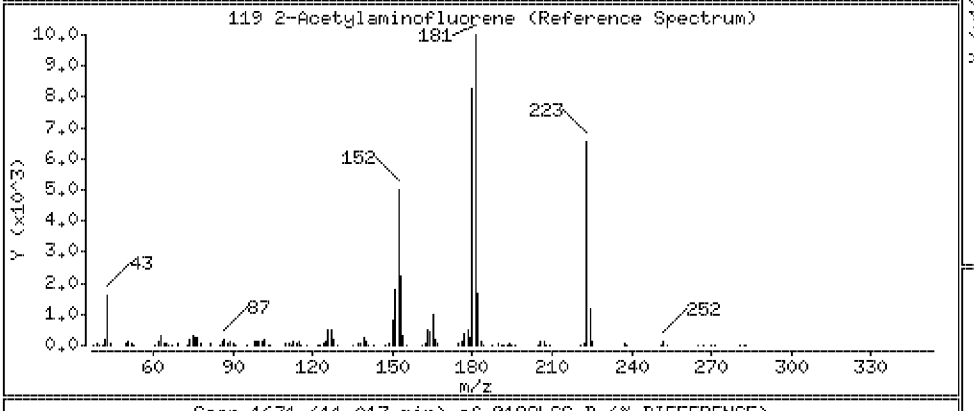
Column diameter: 0.25

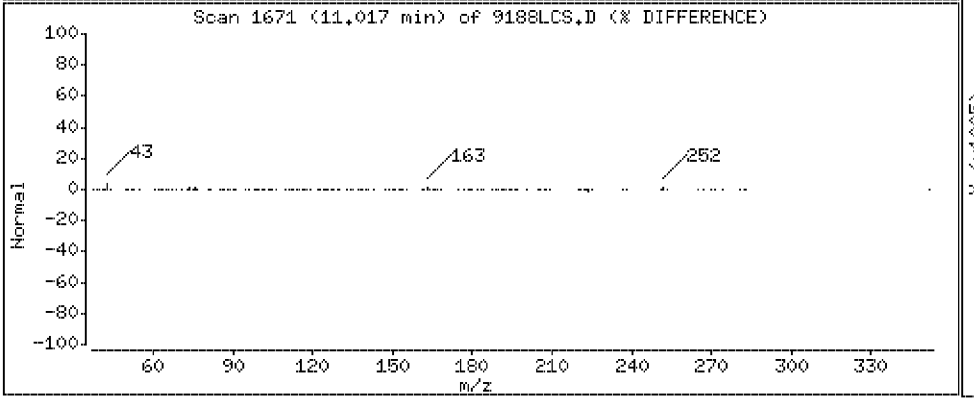
119 2-Acetylaminofluorene

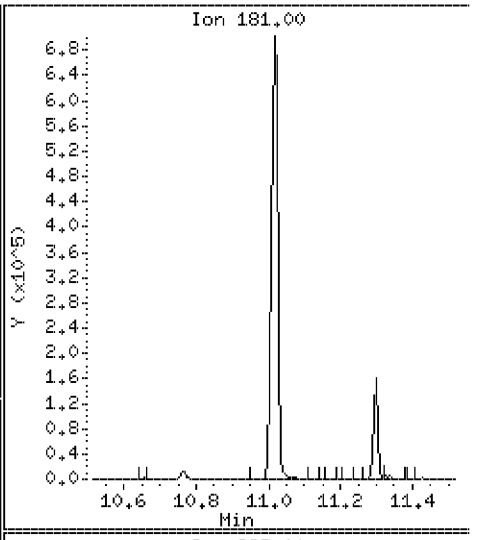
Concentration: 1640 ug/kg

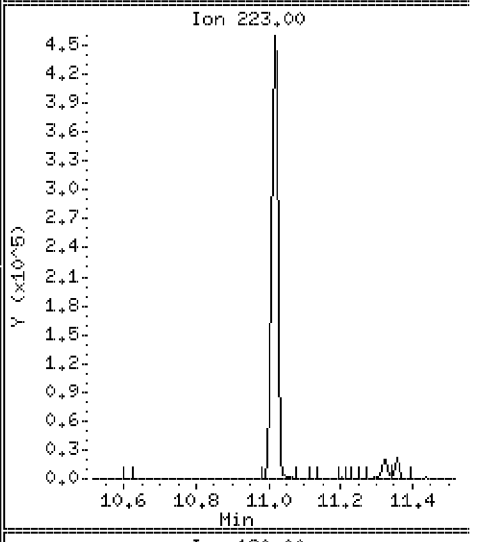


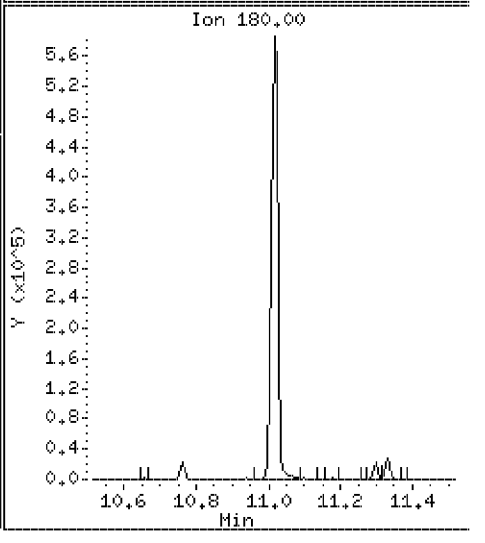












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

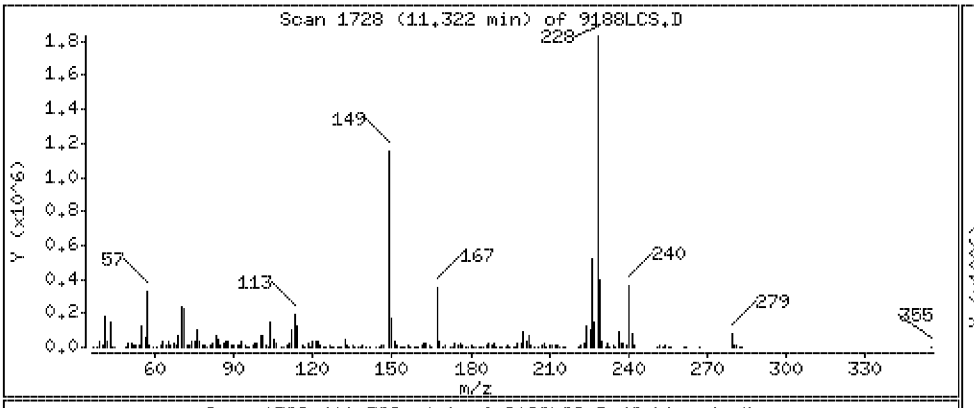
Operator: PEL

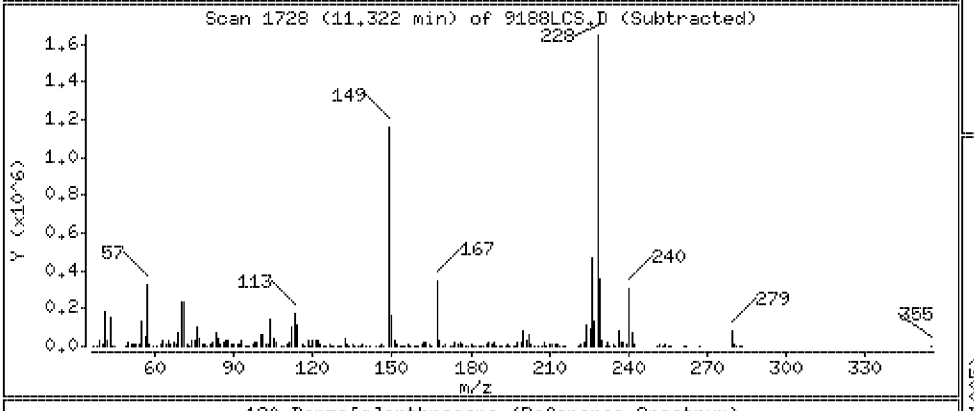
Column phase: HPMS-5

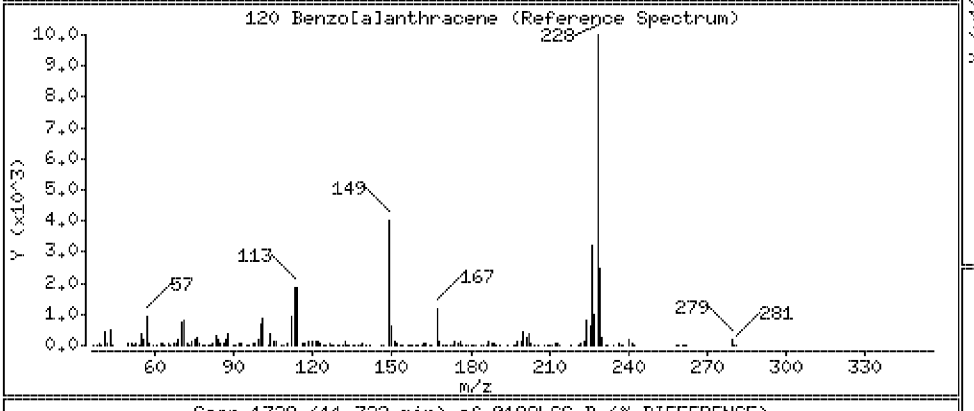
Column diameter: 0.25

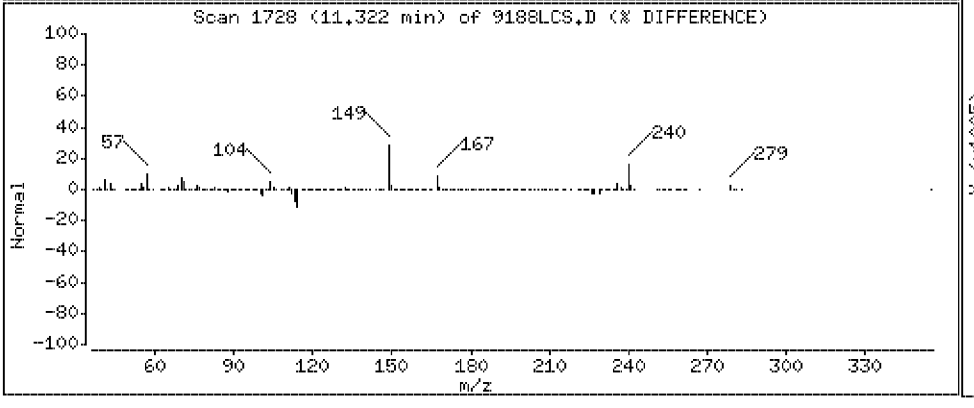
120 Benzo[a]anthracene

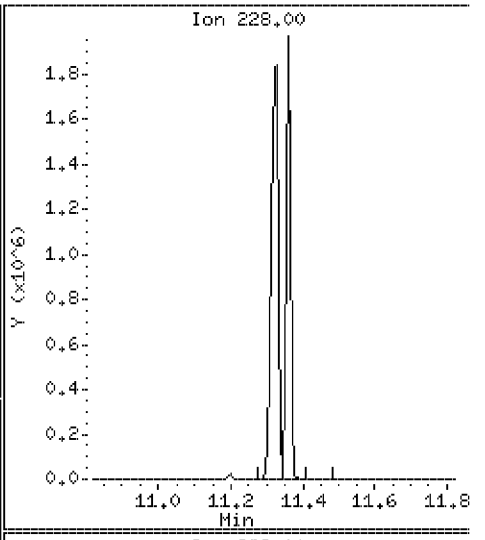
Concentration: 1990 ug/kg

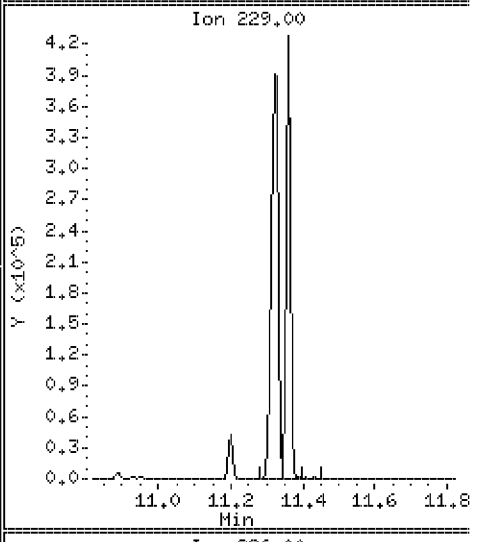


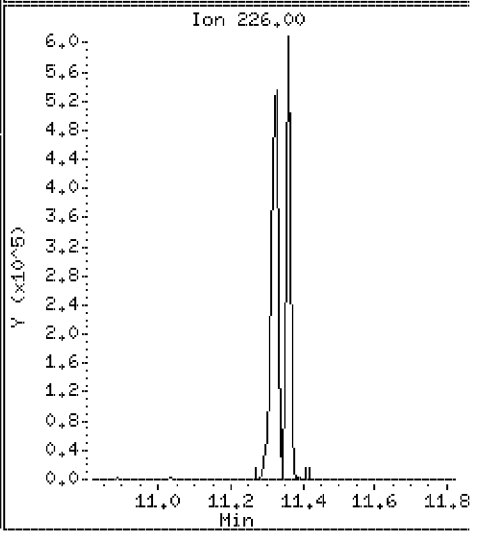












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

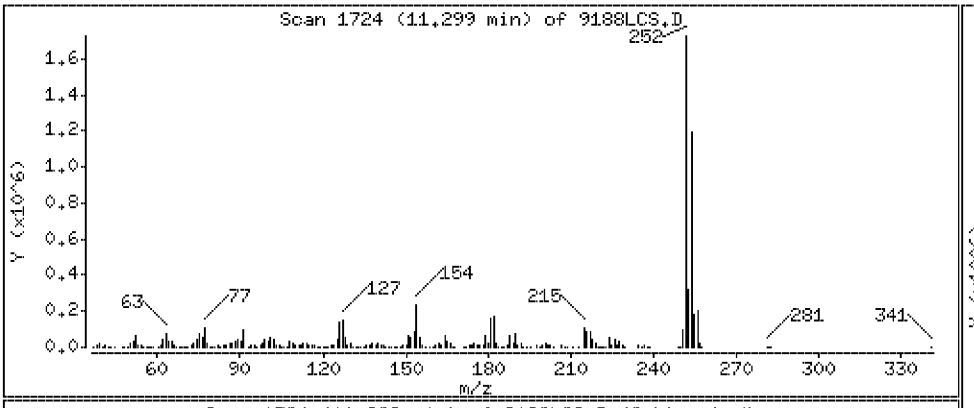
Operator: PEL

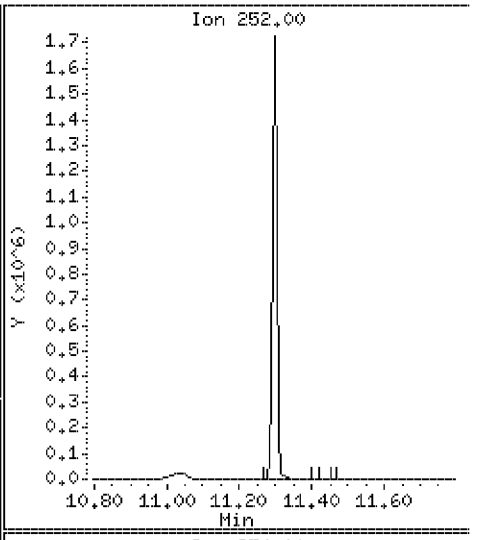
Column phase: HPMS-5

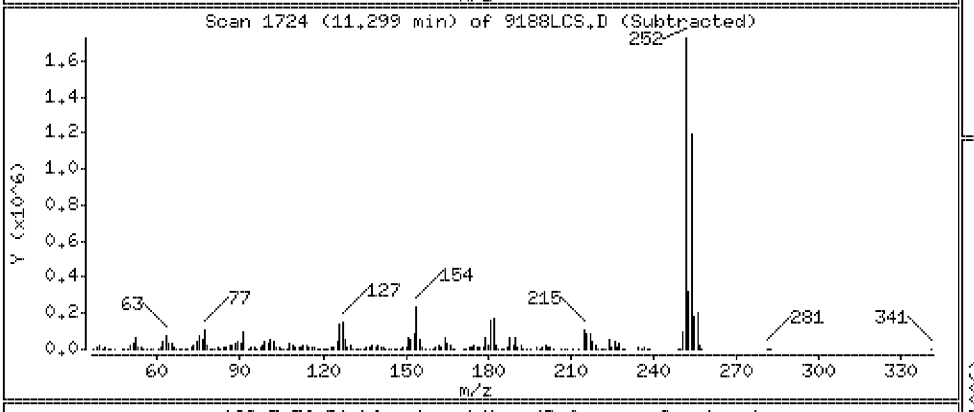
Column diameter: 0.25

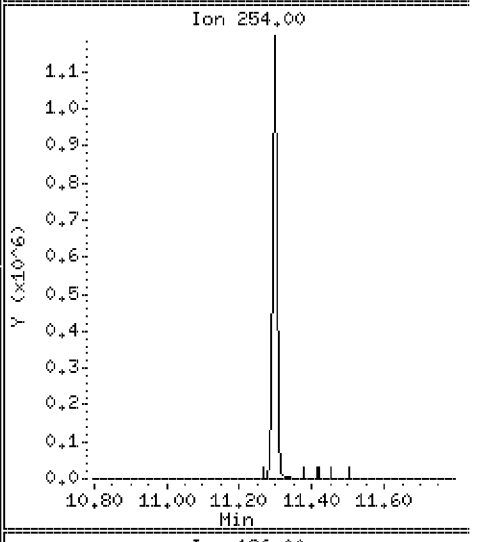
122 3,3'-Dichlorobenzidine

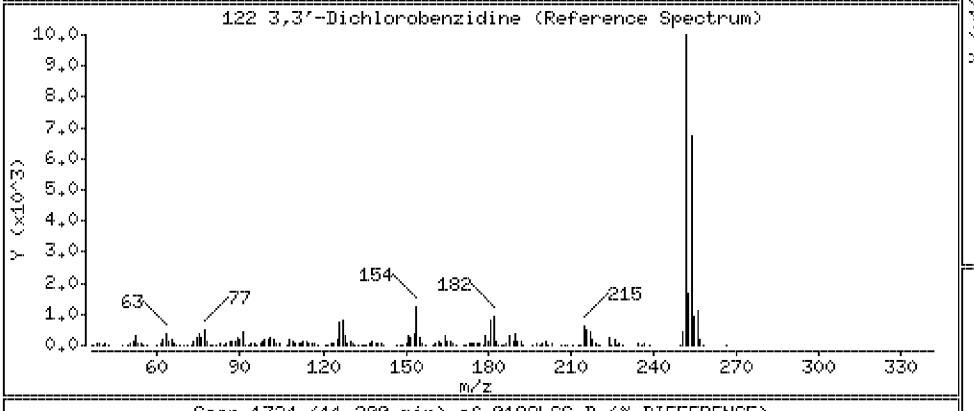
Concentration: 2980 ug/kg

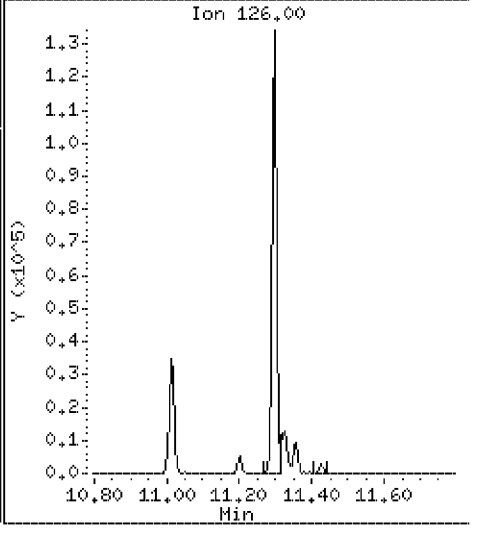


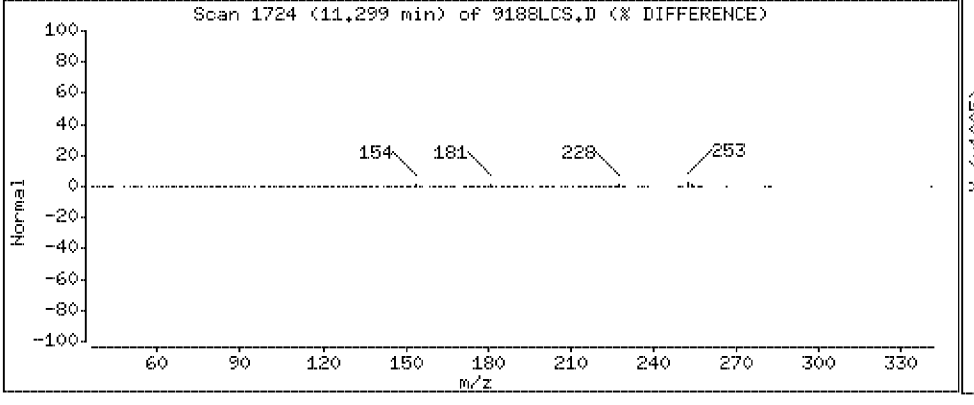












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

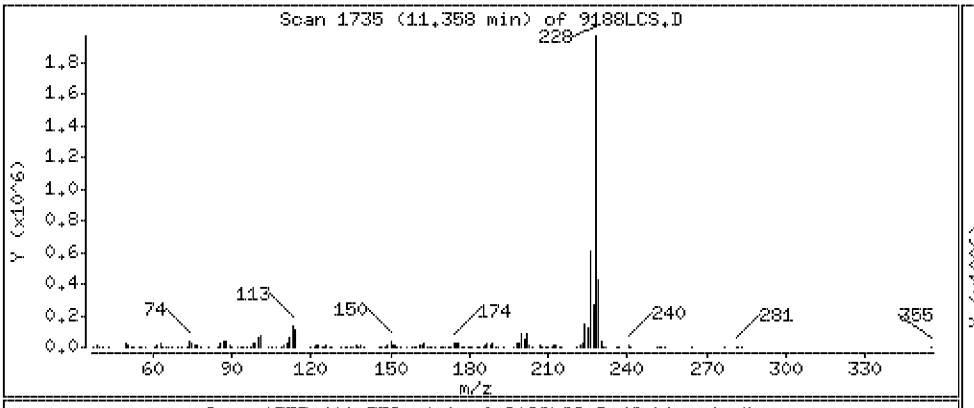
Operator: PEL

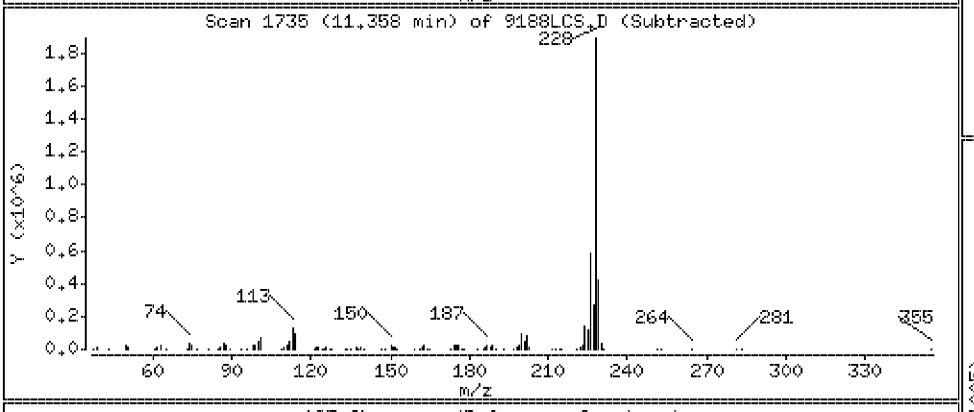
Column phase: HPMS-5

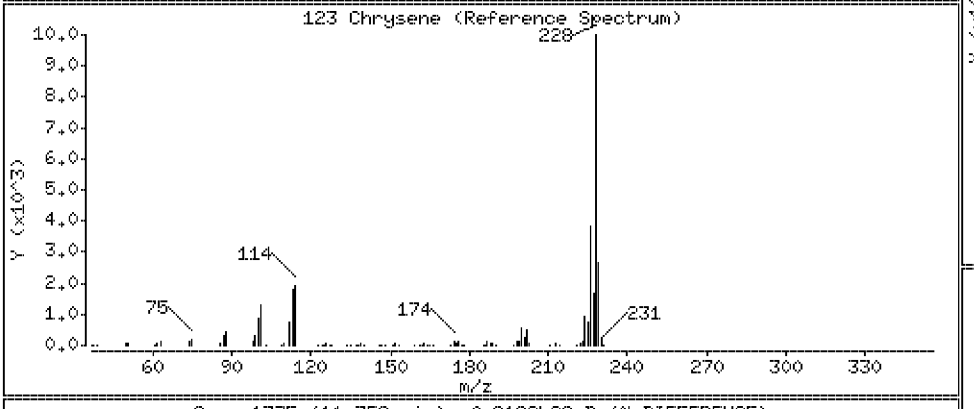
Column diameter: 0.25

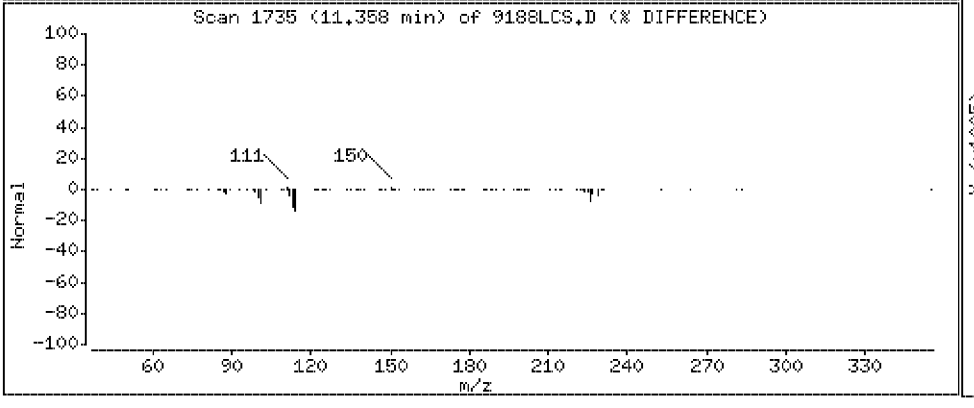
123 Chrysene

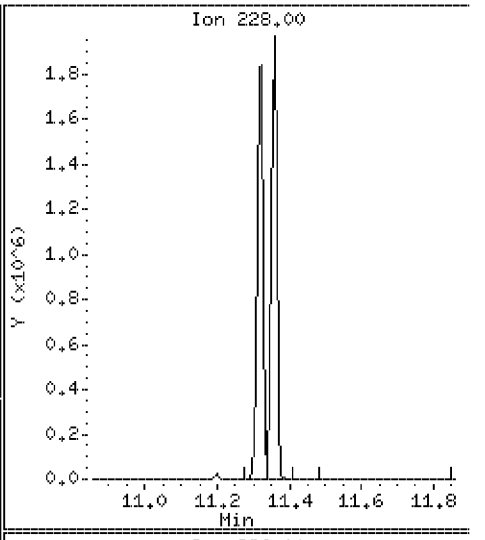
Concentration: 1840 ug/kg

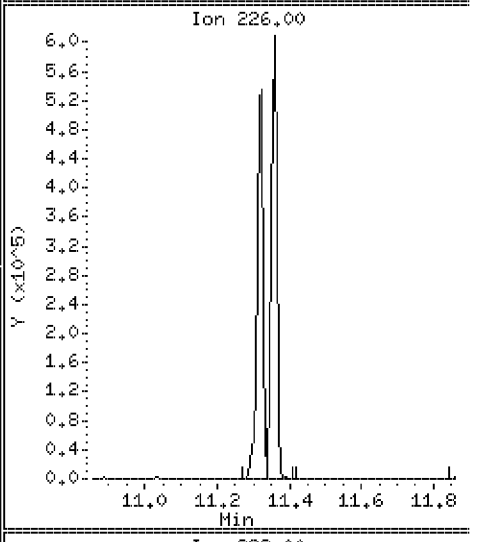


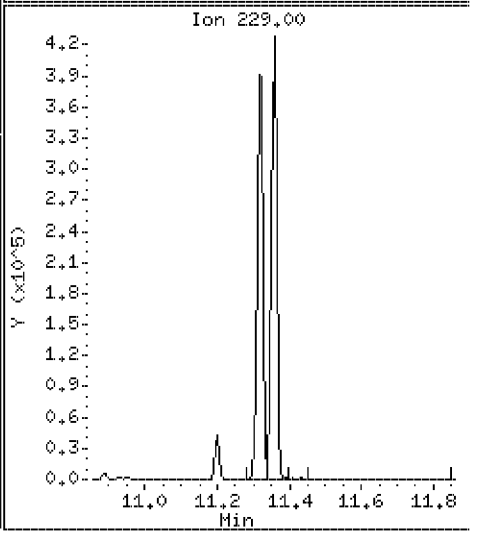












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

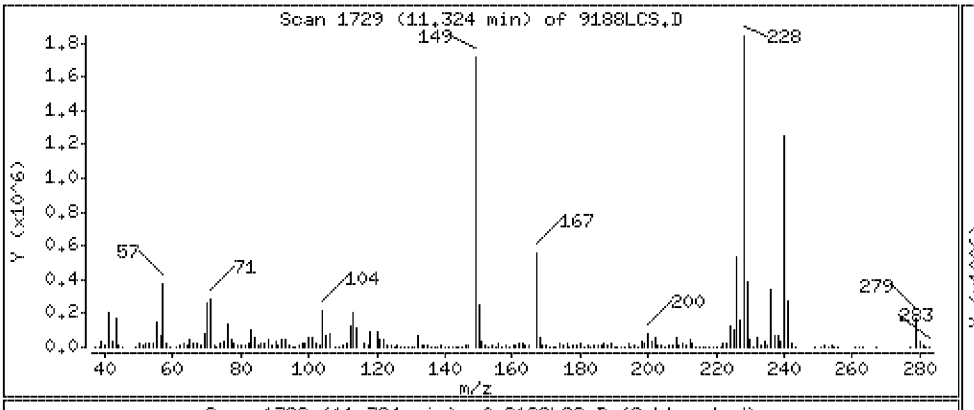
Operator: PEL

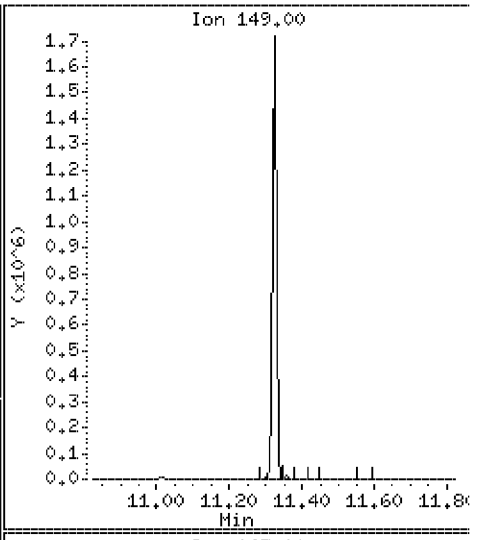
Column phase: HPMS-5

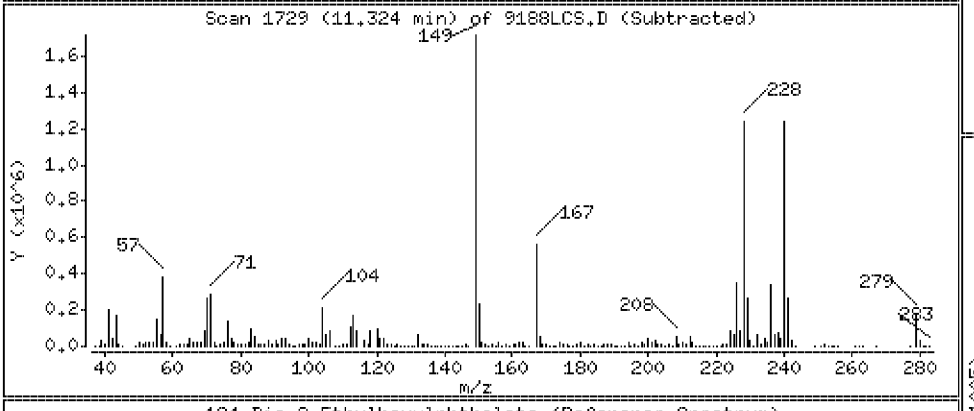
Column diameter: 0.25

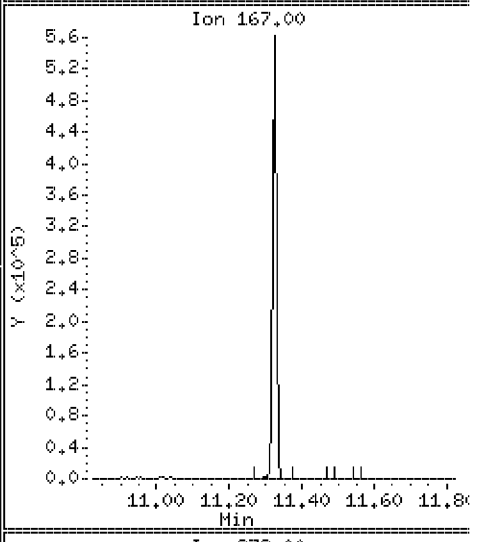
124 Bis-2-Ethylhexylphthalate

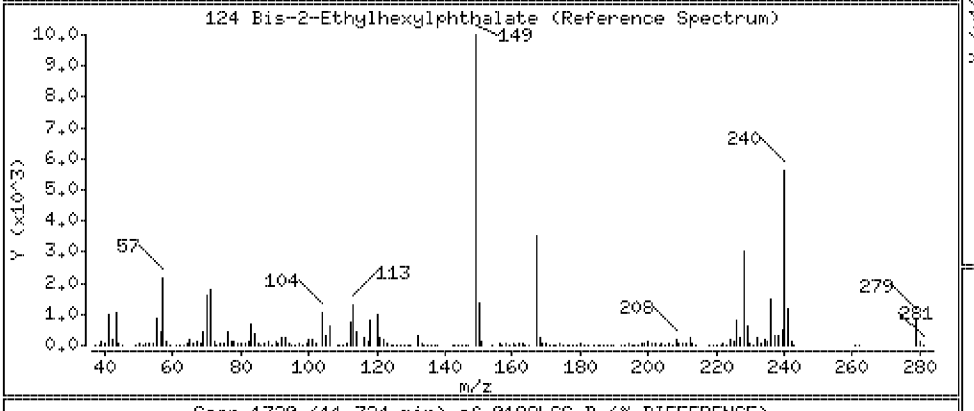
Concentration: 2080 ug/kg

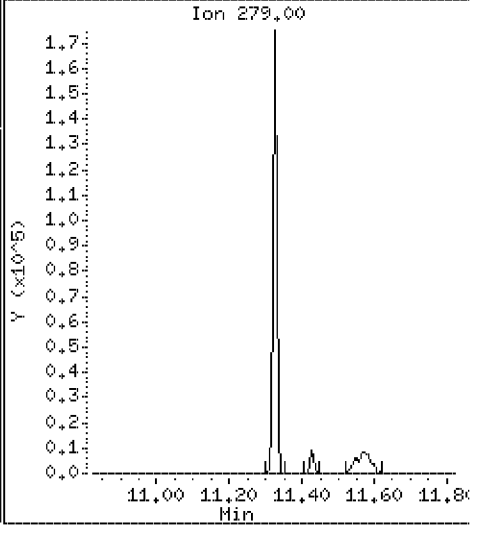


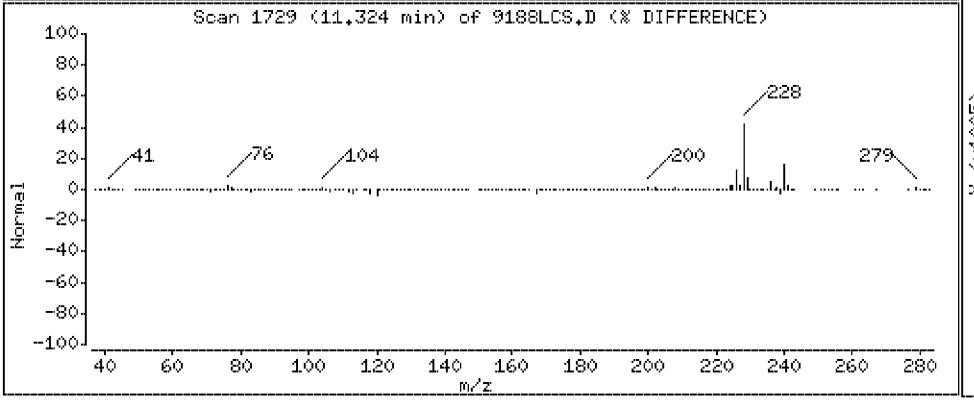












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

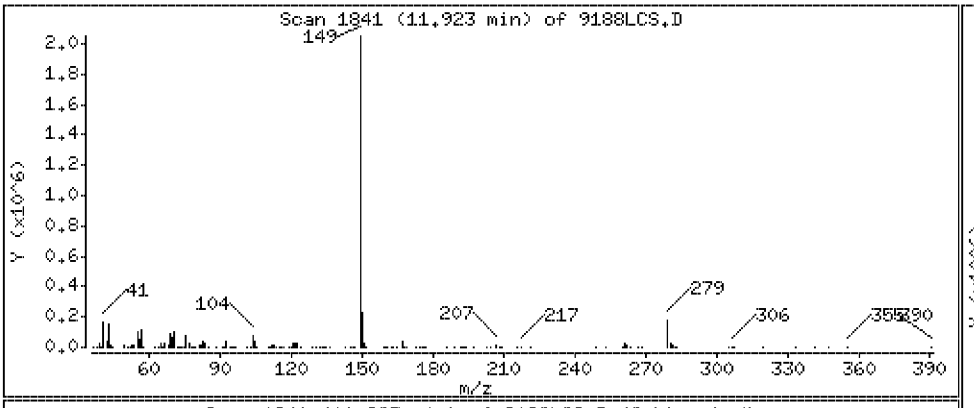
Operator: PEL

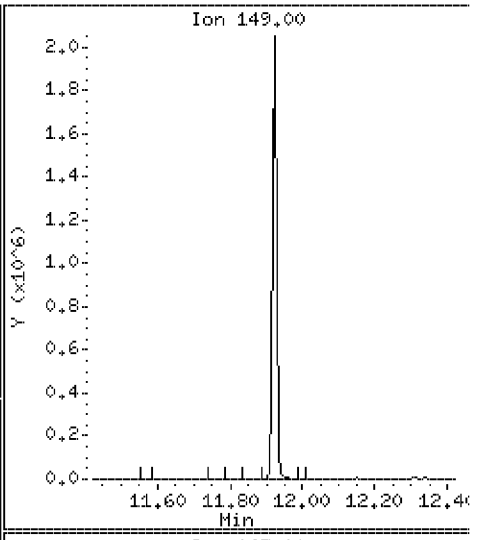
Column phase: HPMS-5

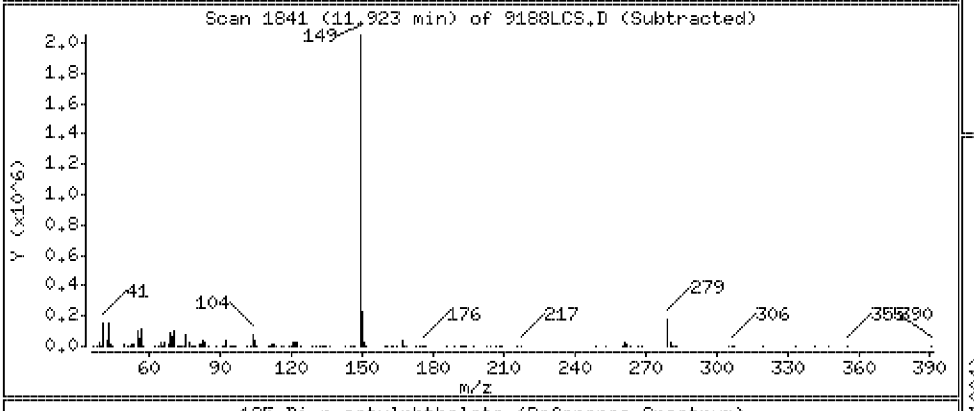
Column diameter: 0.25

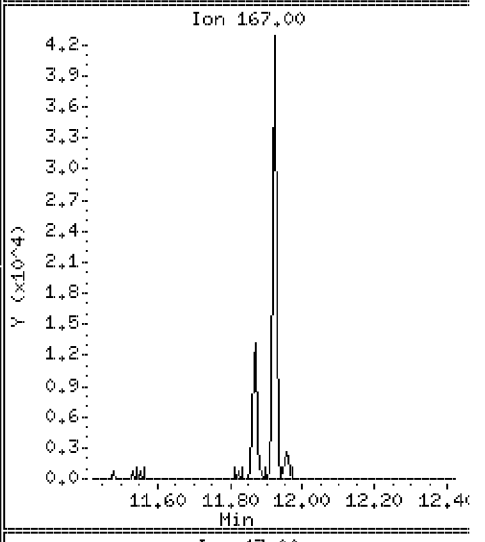
125 Di-n-octylphthalate

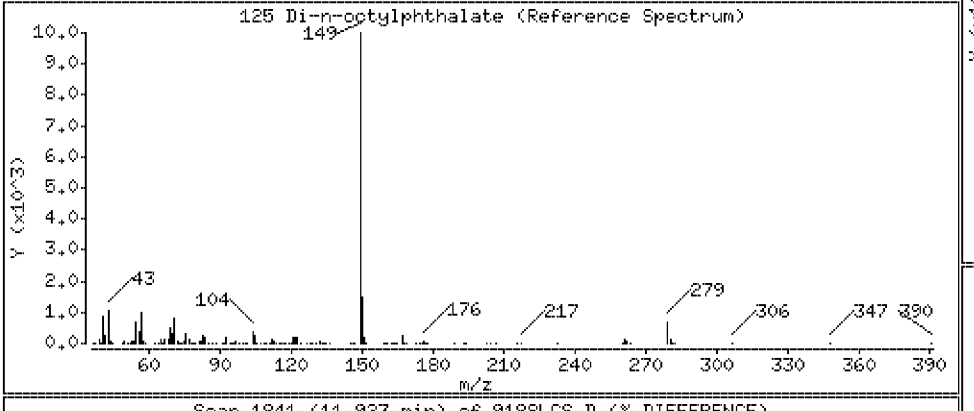
Concentration: 2150 ug/kg

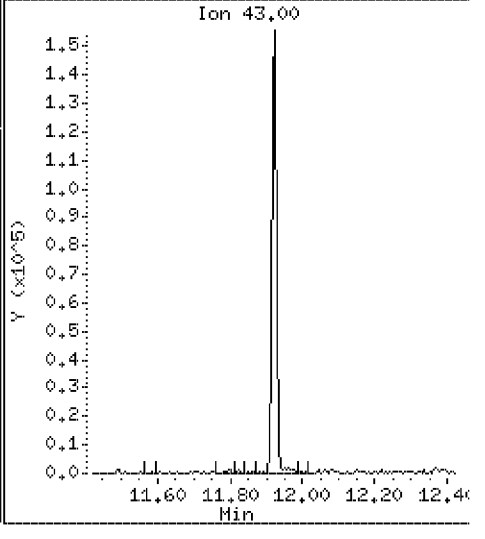


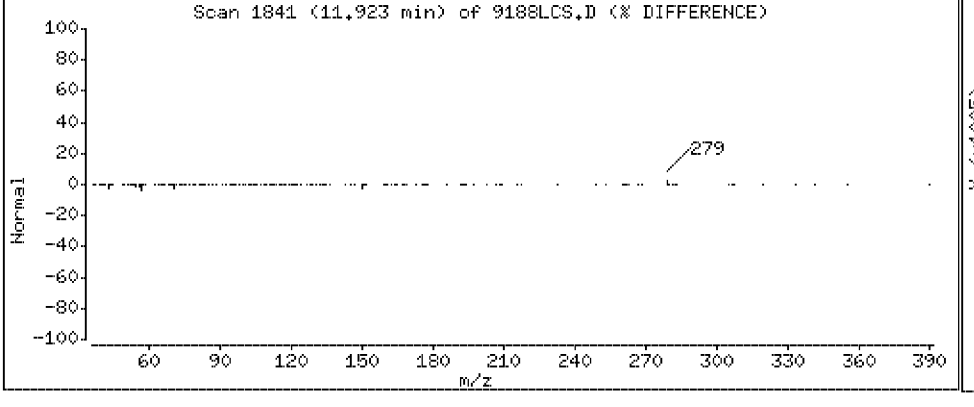












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

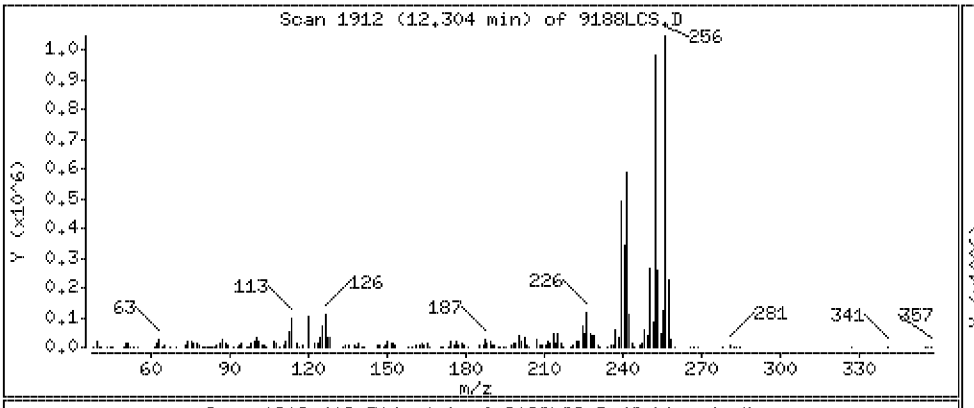
Operator: PEL

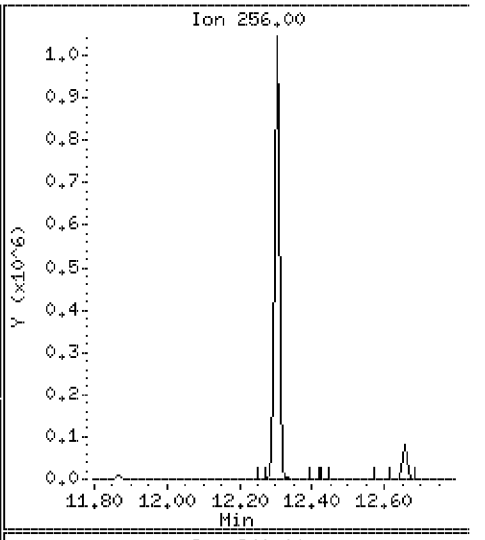
Column phase: HPMS-5

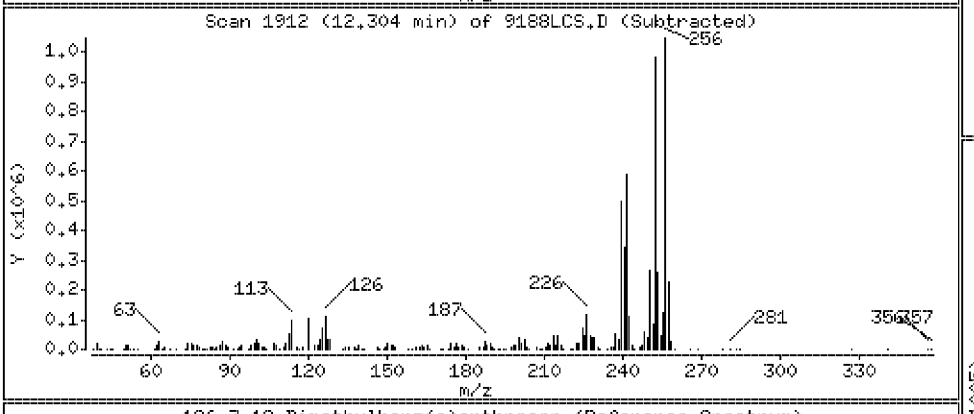
Column diameter: 0.25

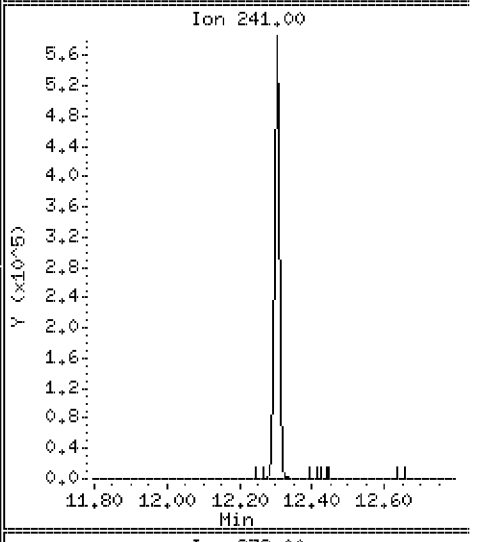
126 7,12-Dimethylbenz(a)anthracen

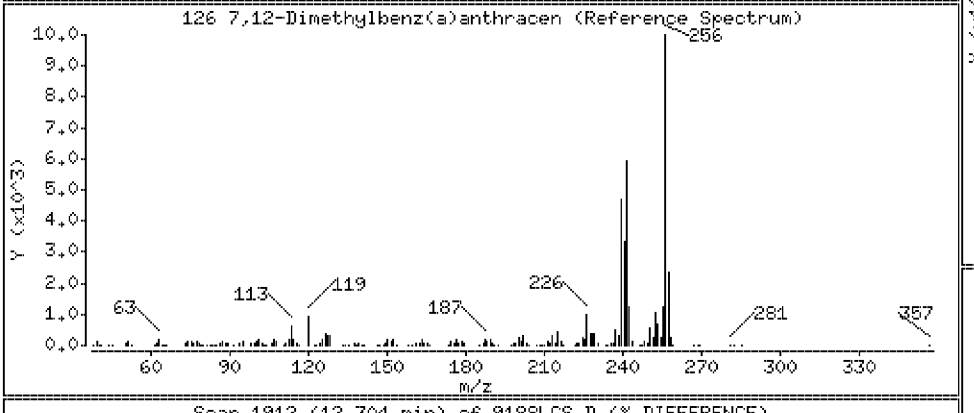
Concentration: 2000 ug/kg

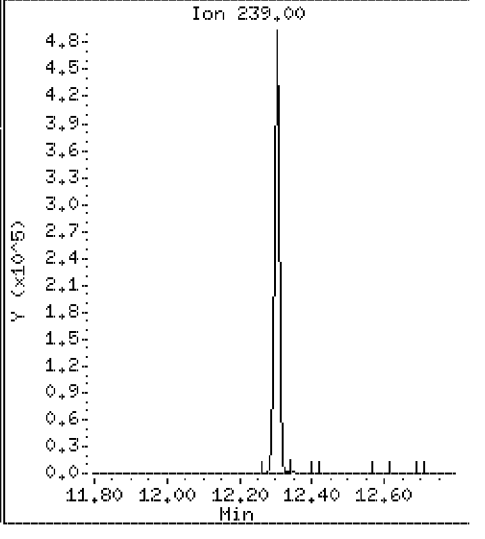


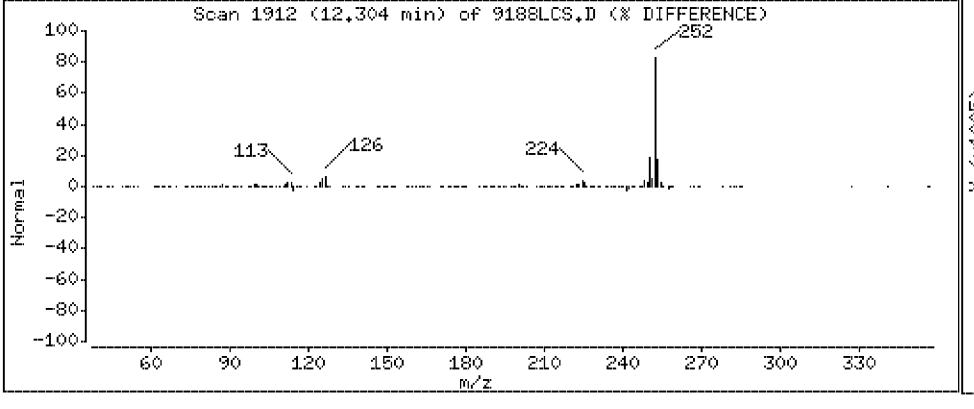












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

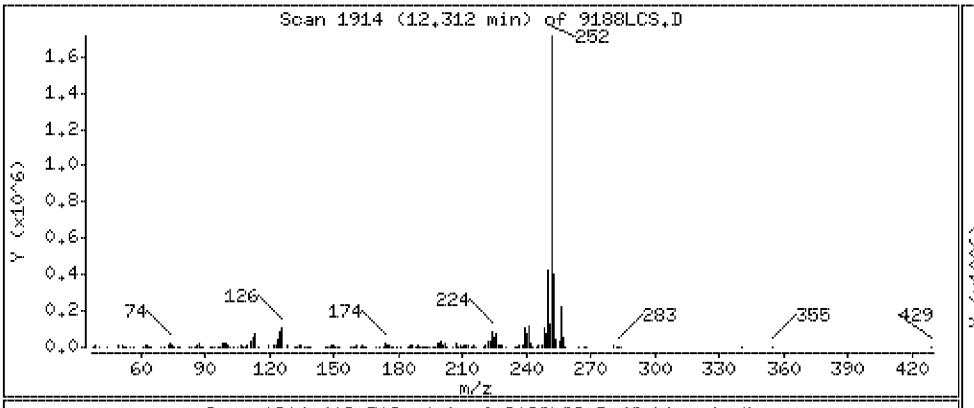
Operator: PEL

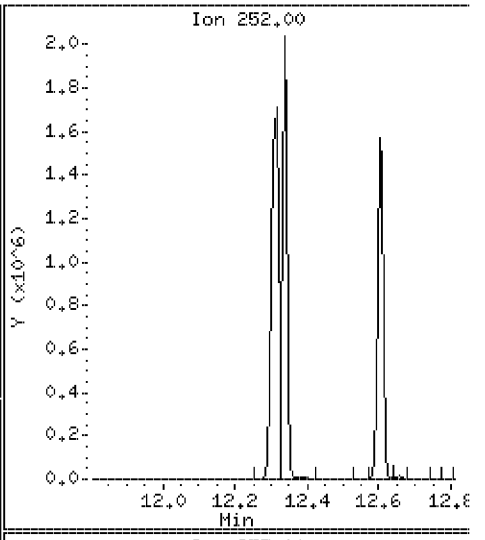
Column phase: HPMS-5

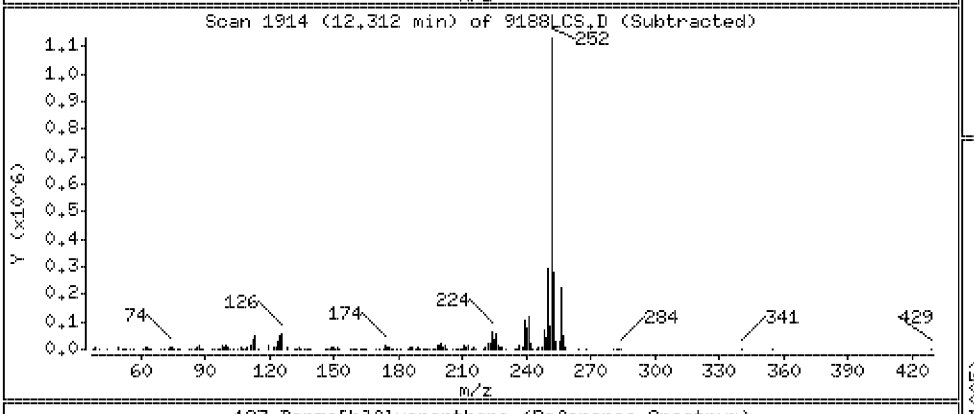
Column diameter: 0.25

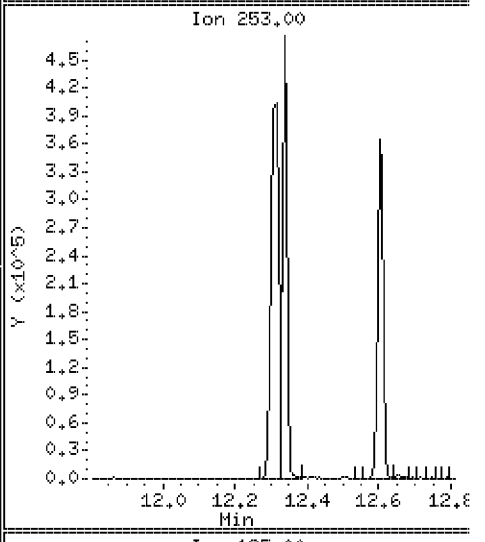
127 Benzo[b]fluoranthene

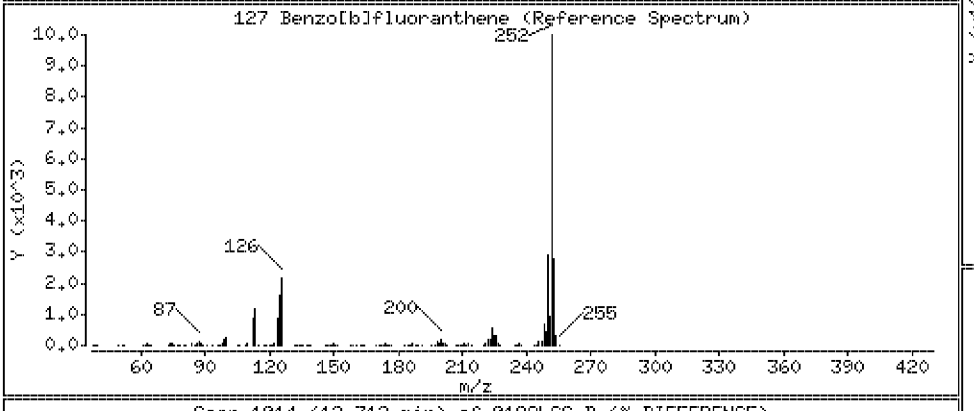
Concentration: 2210 ug/kg

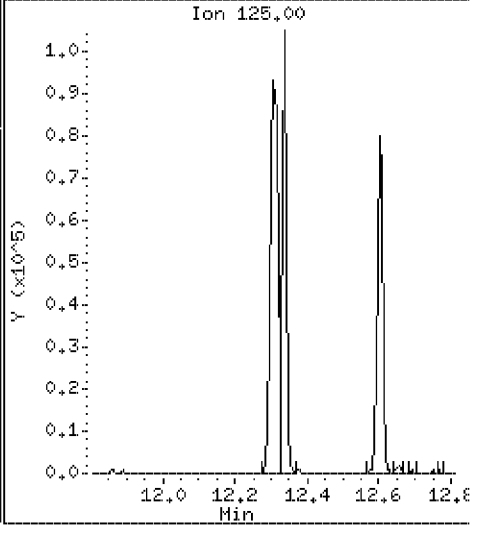


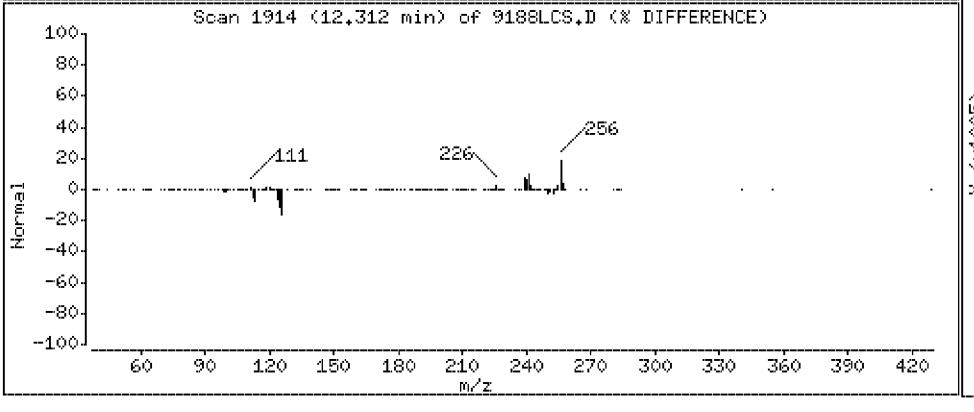












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

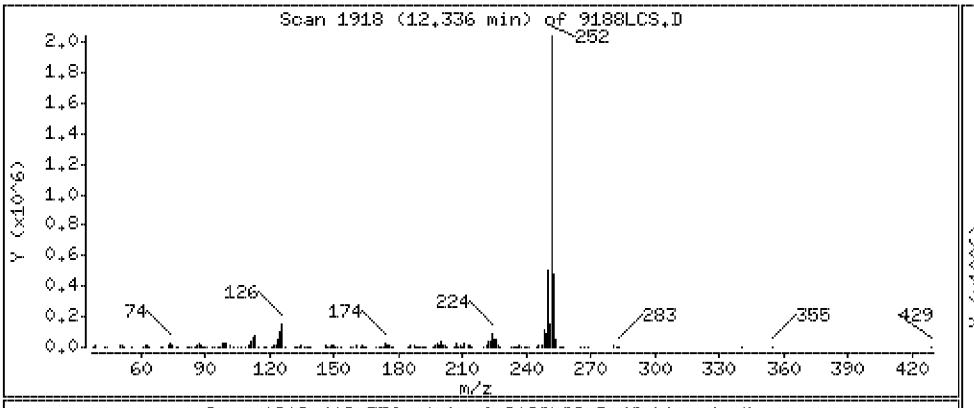
Operator: PEL

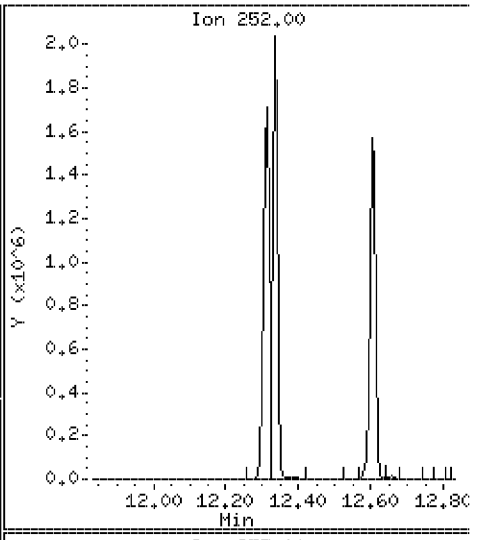
Column phase: HPMS-5

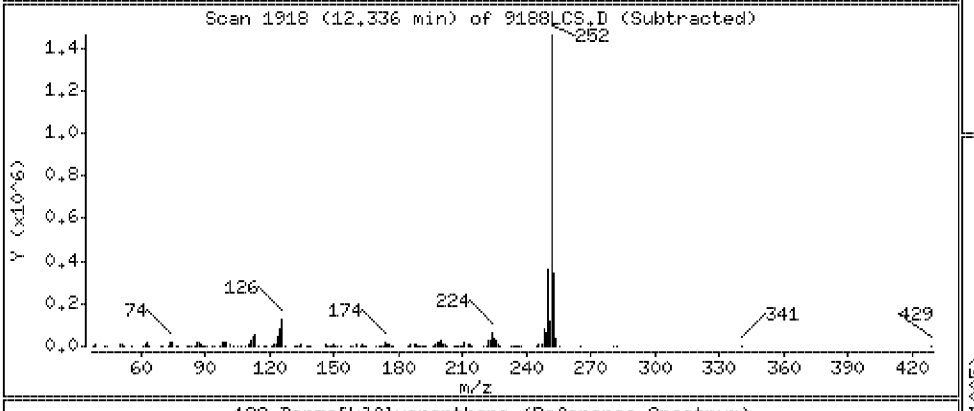
Column diameter: 0.25

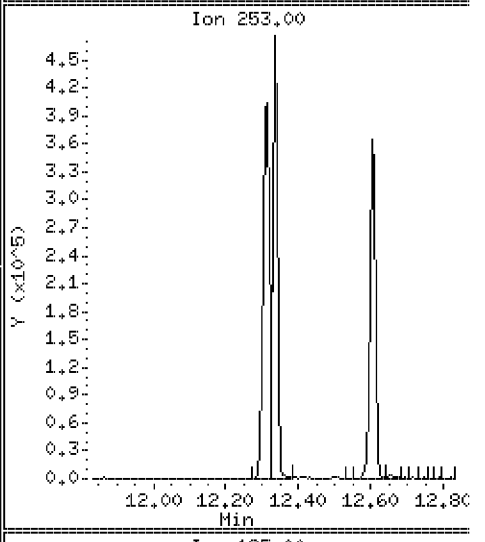
128 Benzo[k]fluoranthene

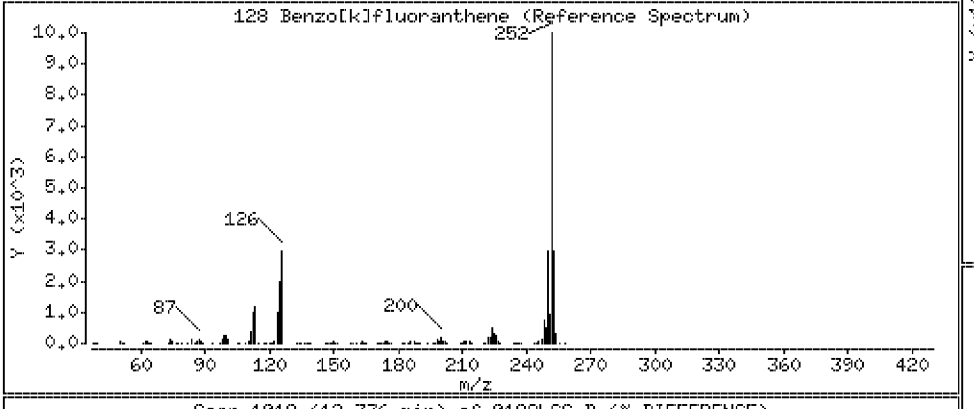
Concentration: 1980 ug/kg

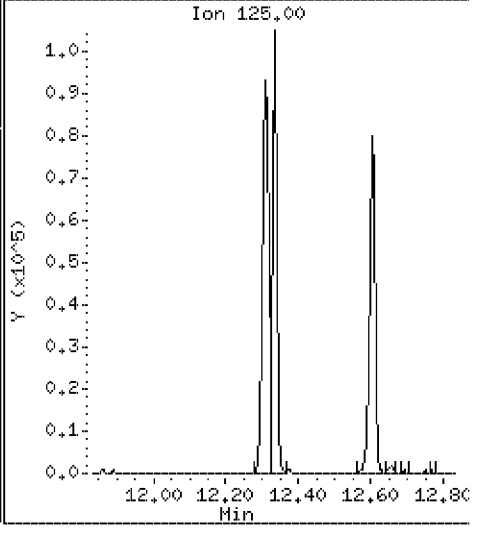


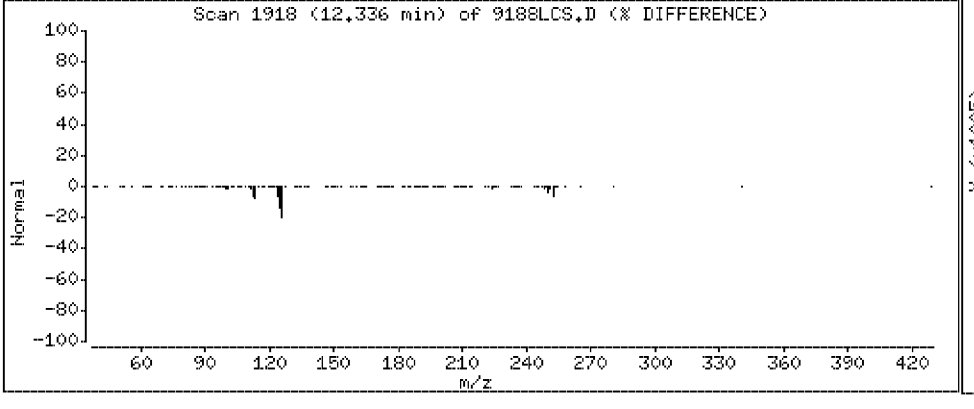












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

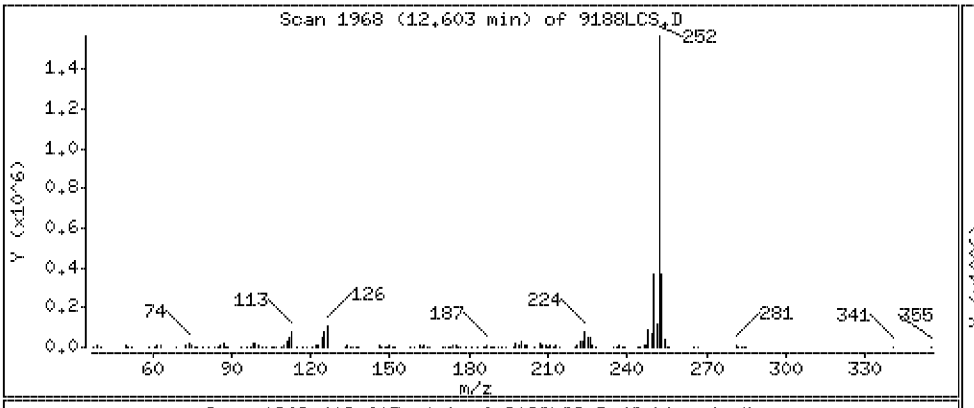
Operator: PEL

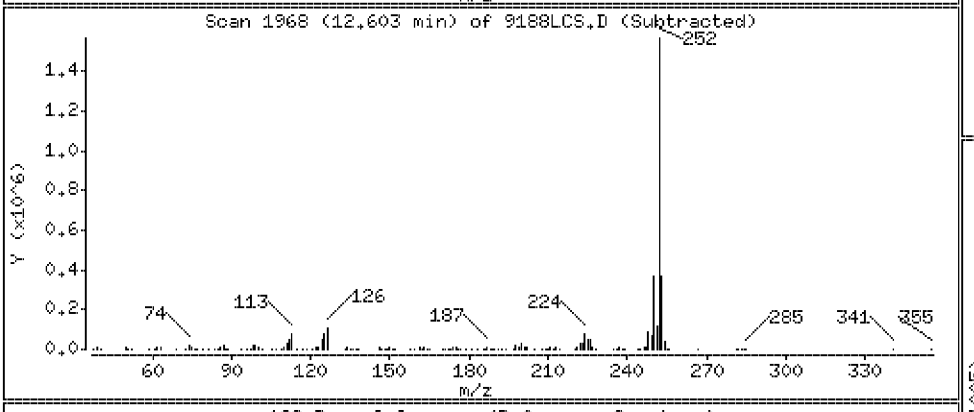
Column phase: HPMS-5

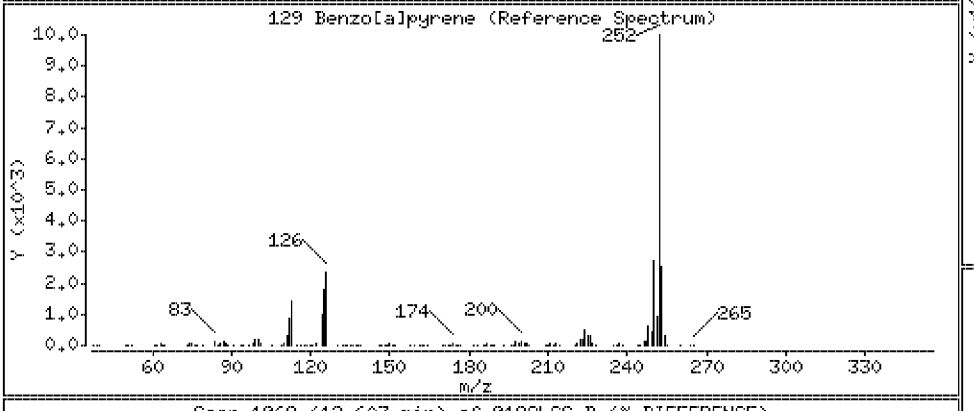
Column diameter: 0.25

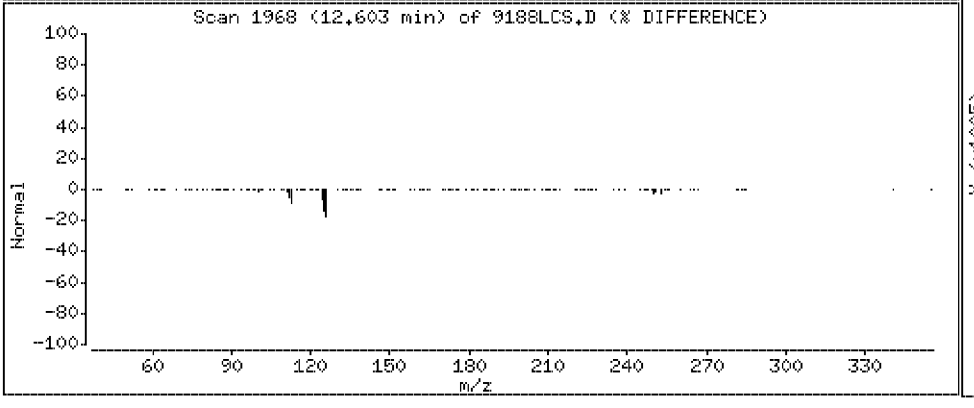
129 Benzo[a]pyrene

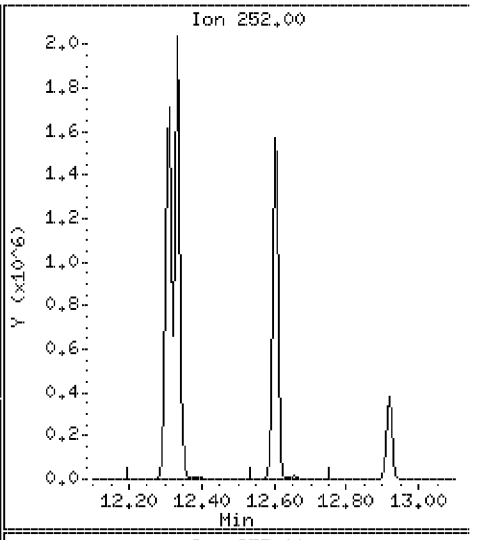
Concentration: 1900 ug/kg

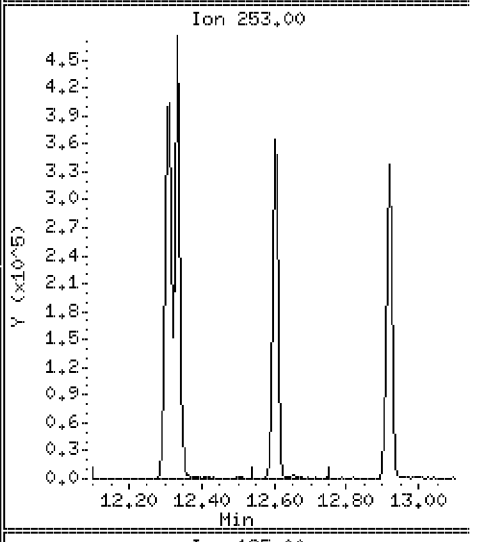


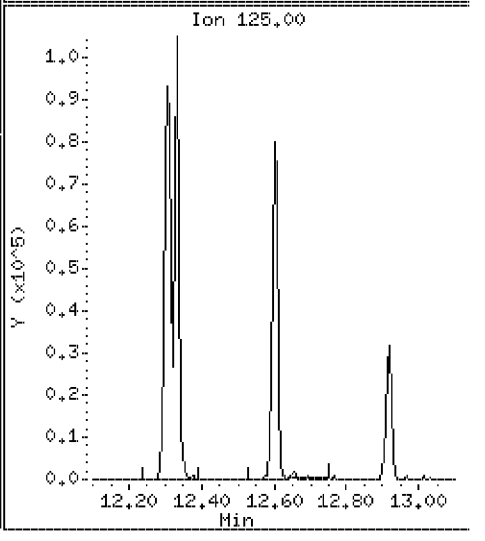












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

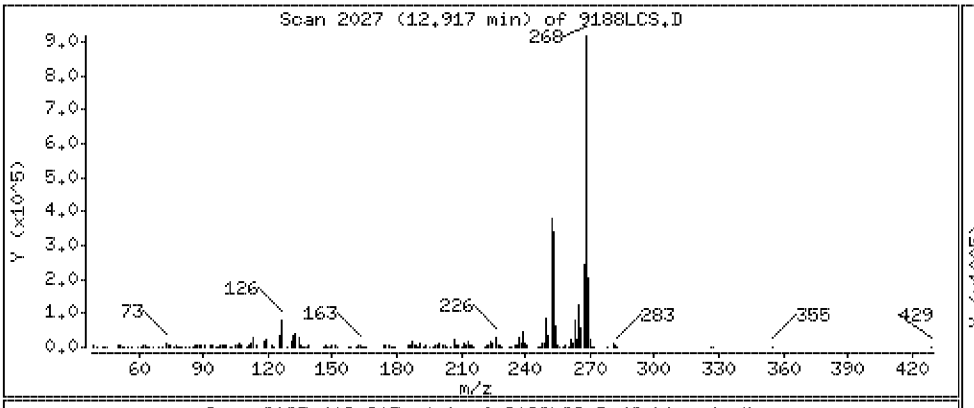
Operator: PEL

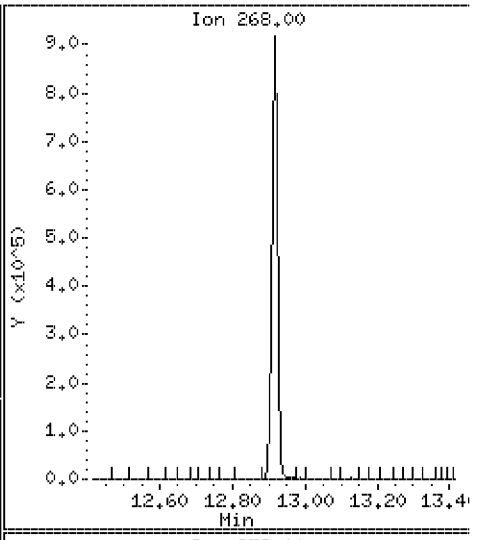
Column phase: HPMS-5

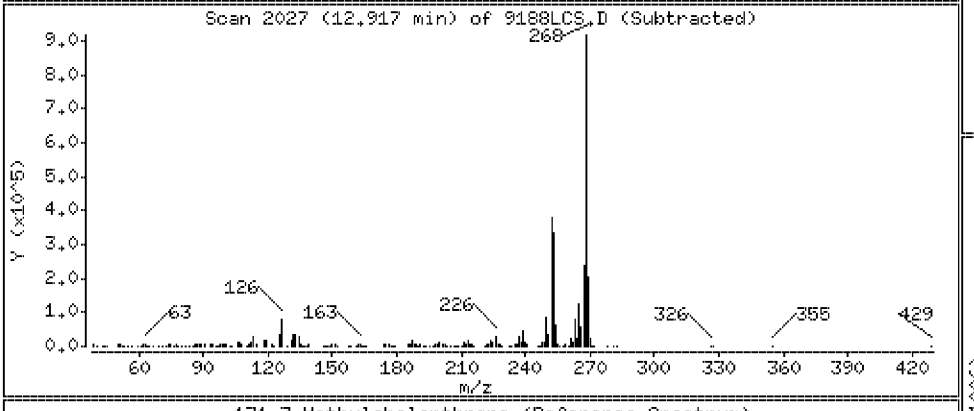
Column diameter: 0.25

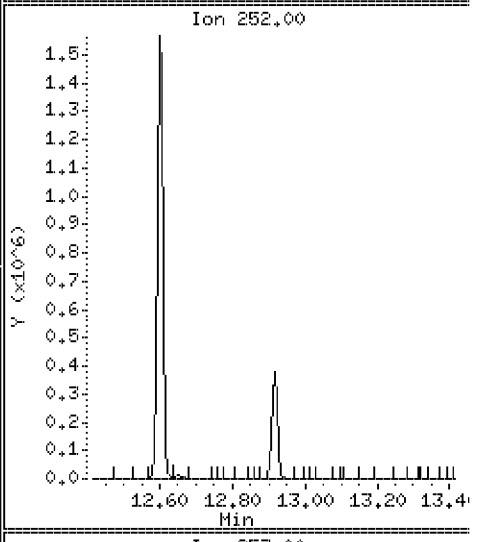
131 3-Methylcholanthrene

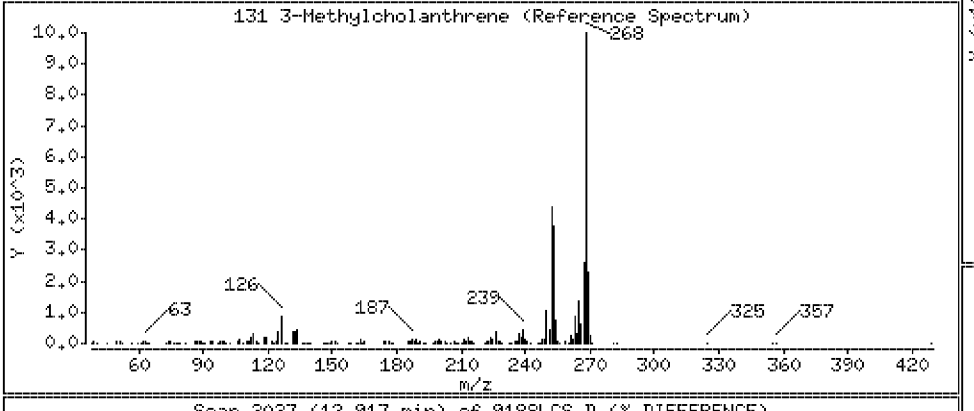
Concentration: 1770 ug/kg

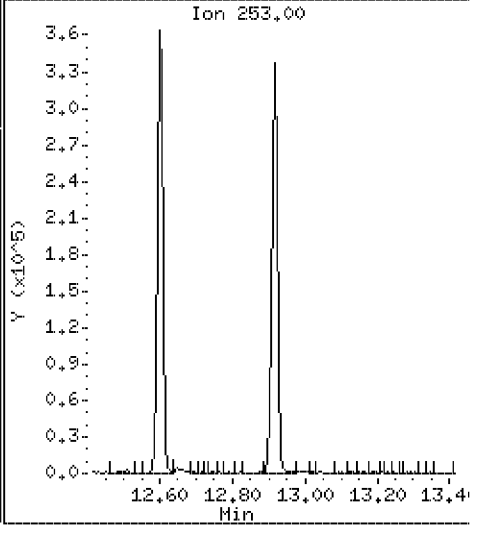


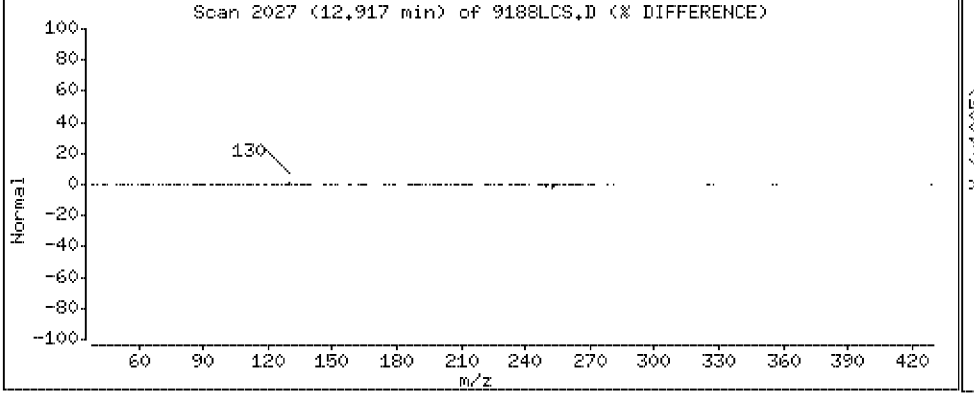












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

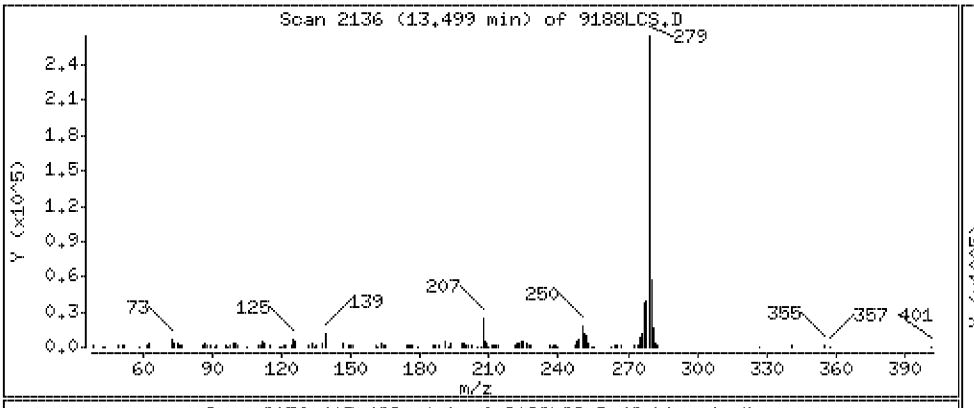
Operator: PEL

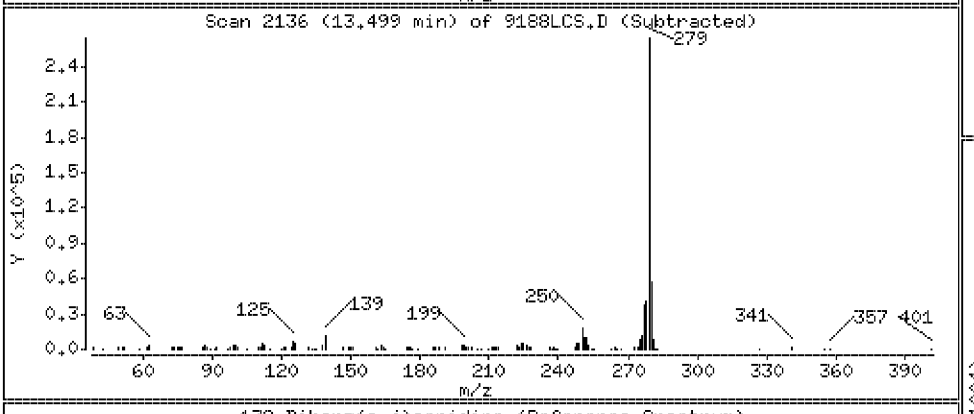
Column phase: HPMS-5

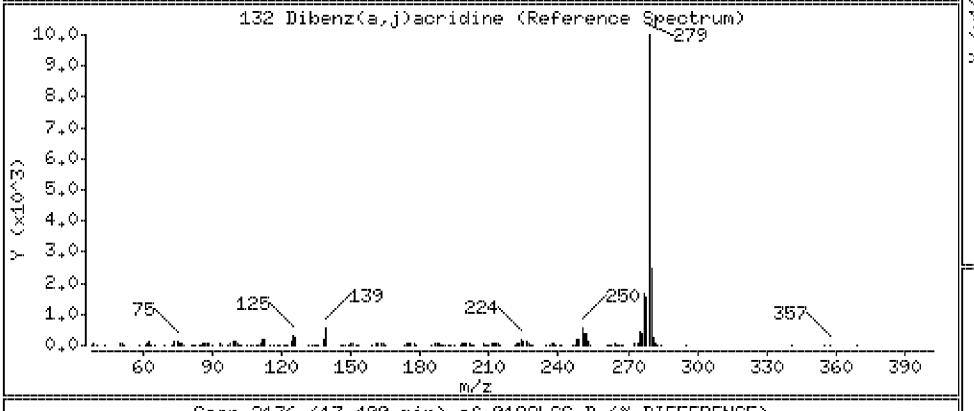
Column diameter: 0.25

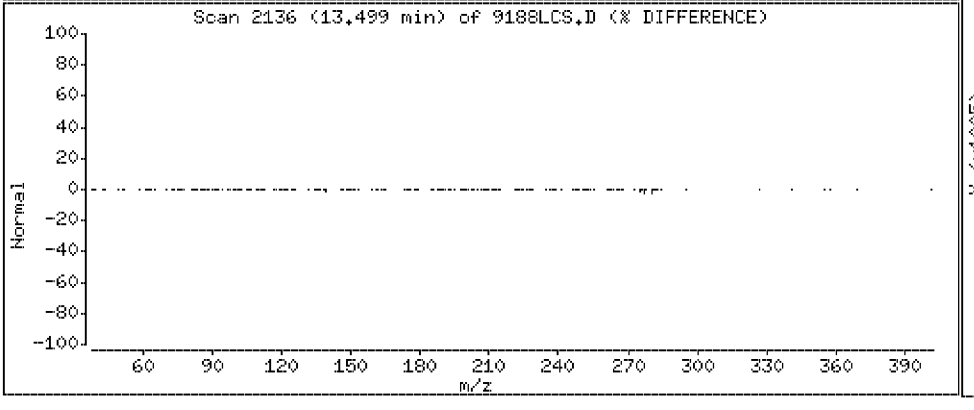
132 Dibenz(a,j)acridine

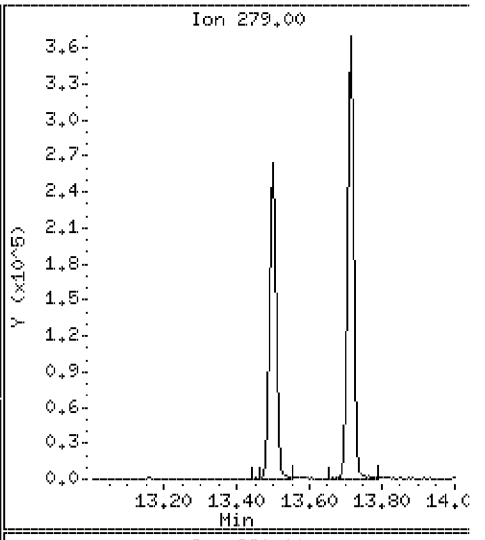
Concentration: 431 ug/kg

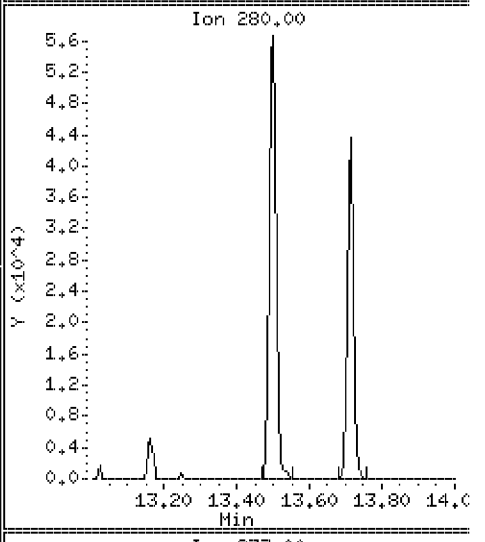


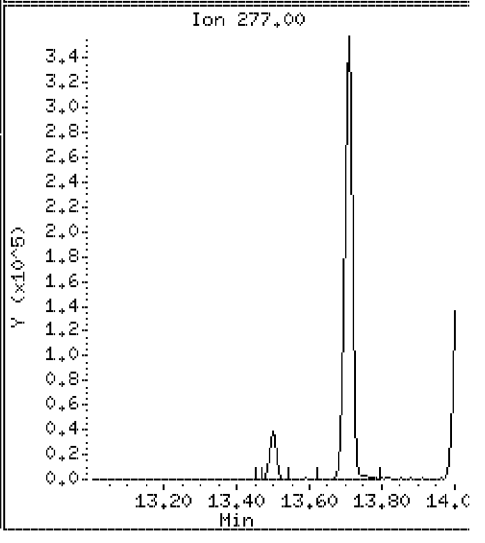












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

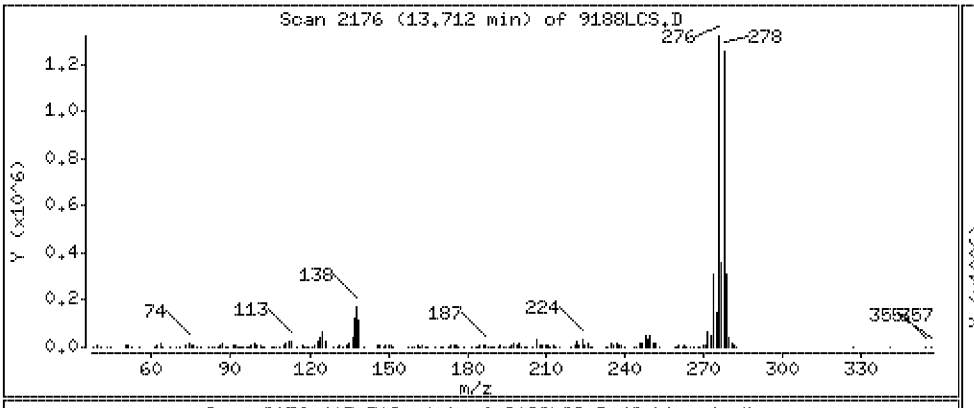
Operator: PEL

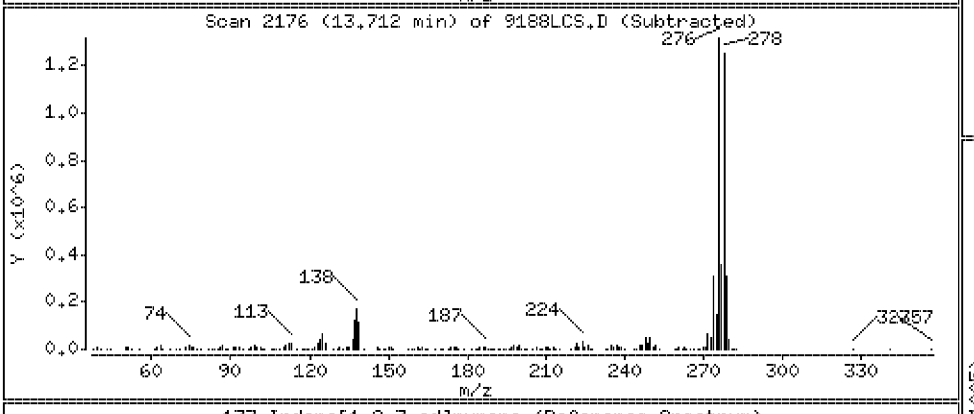
Column phase: HPMS-5

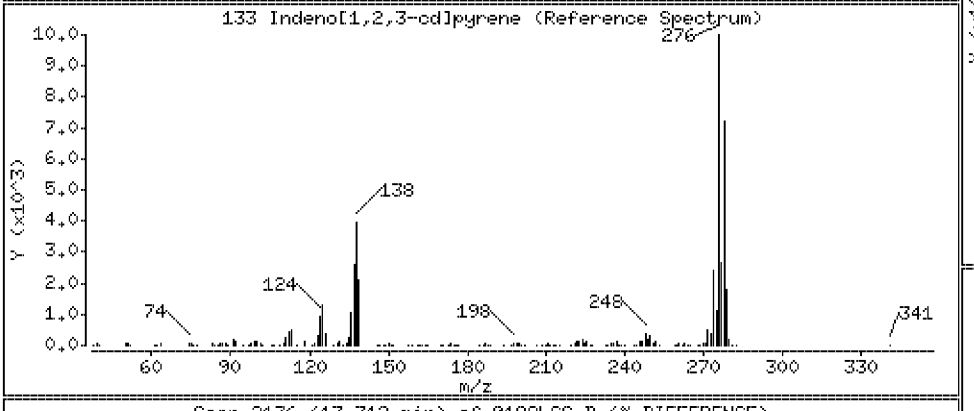
Column diameter: 0.25

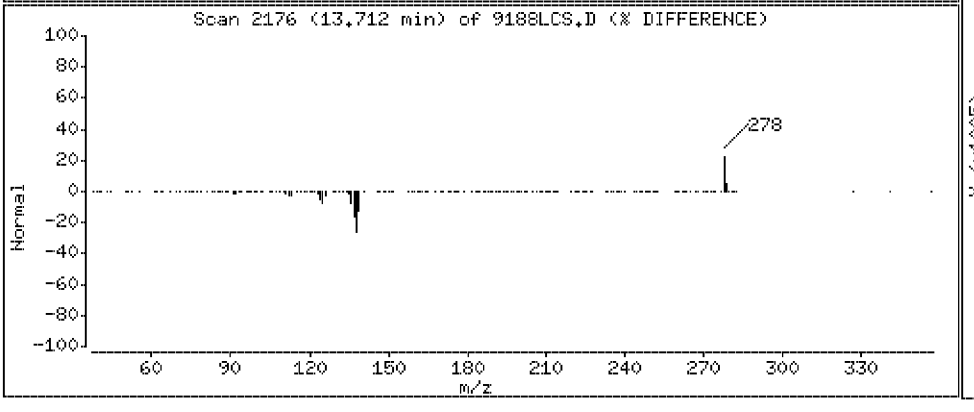
133 Indeno[1,2,3-cd]pyrene

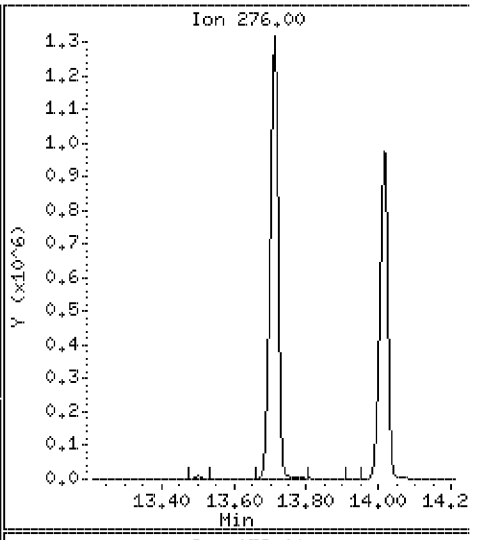
Concentration: 1850 ug/kg

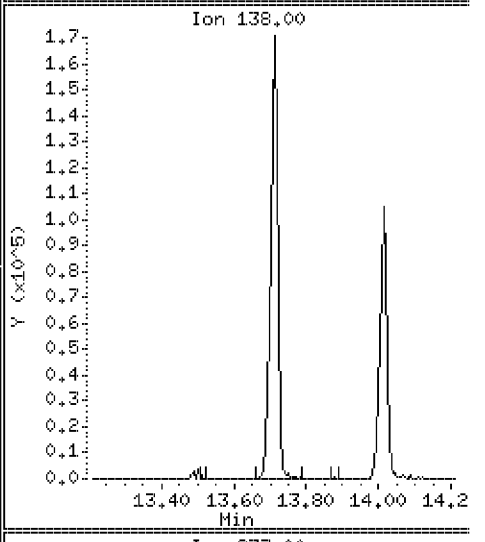


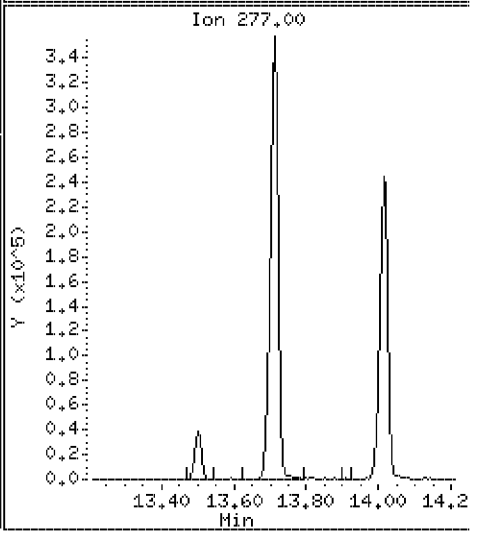












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

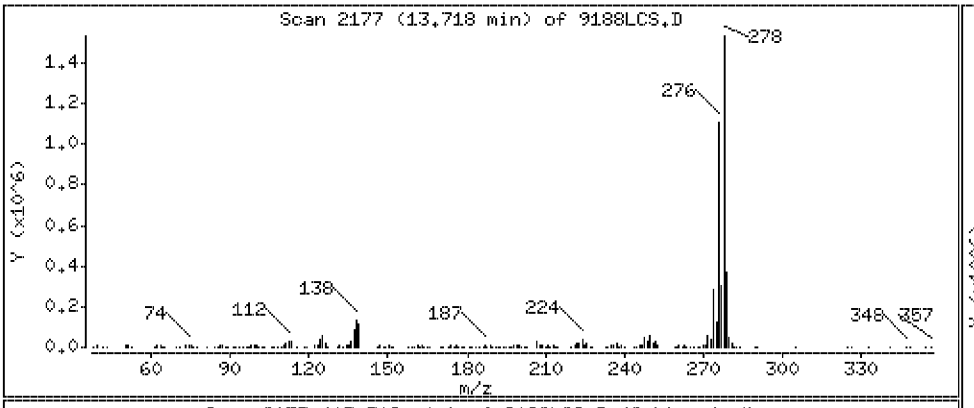
Operator: PEL

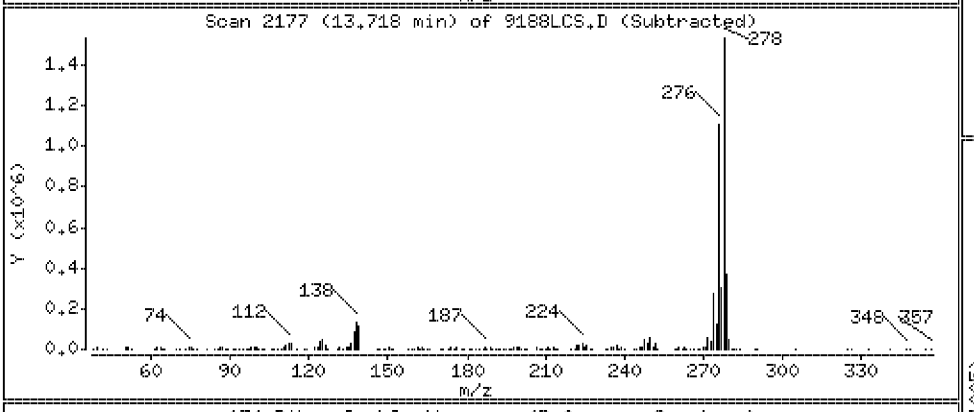
Column phase: HPMS-5

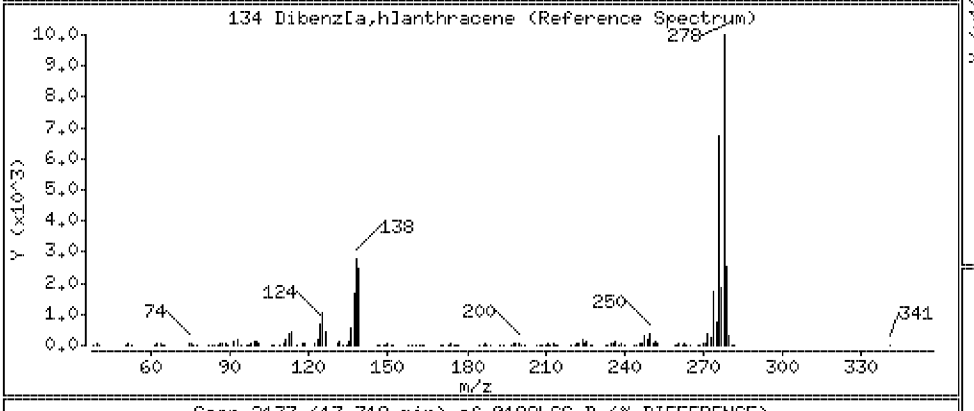
Column diameter: 0.25

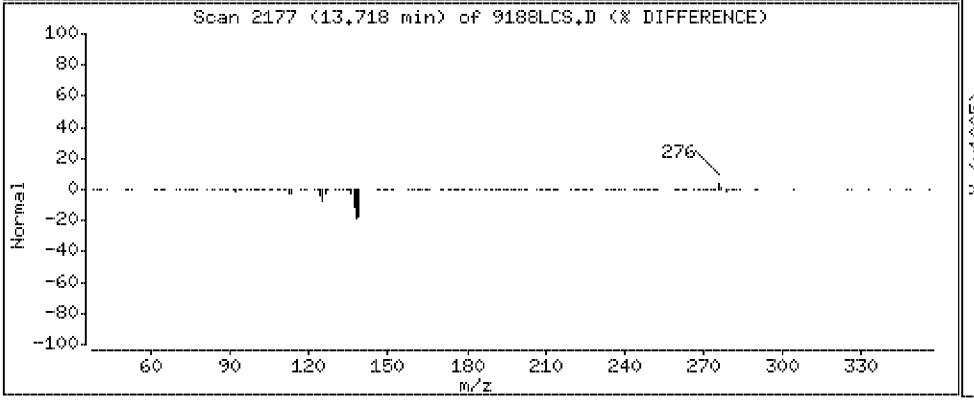
134 Dibenz[a,h]anthracene

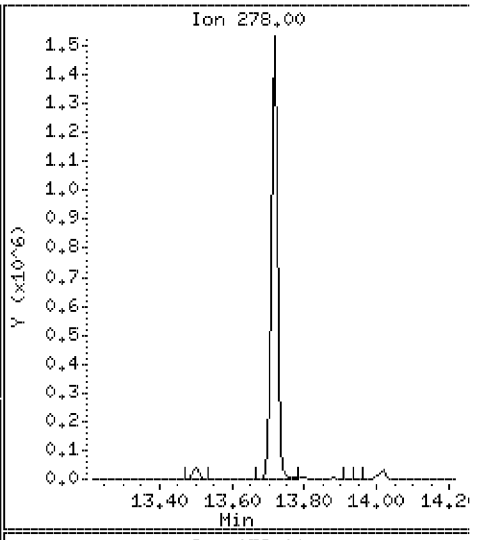
Concentration: 1860 ug/kg

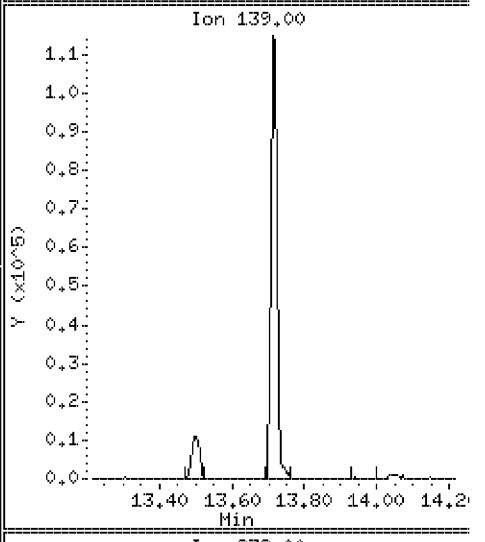


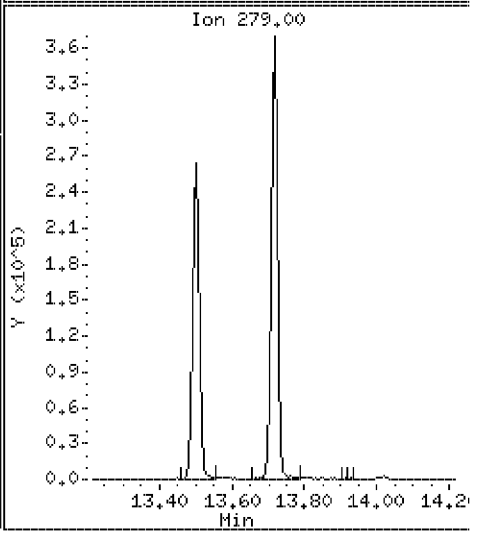












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\9188LCS.D

Date : 26-APR-2012 12:43

Client ID: 127240LCS

Instrument: smsd03.i

Sample Info: sw127240lcs

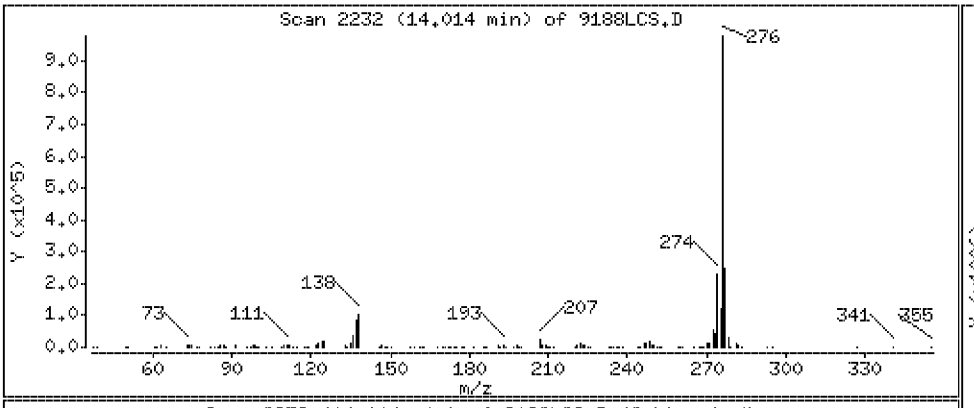
Operator: PEL

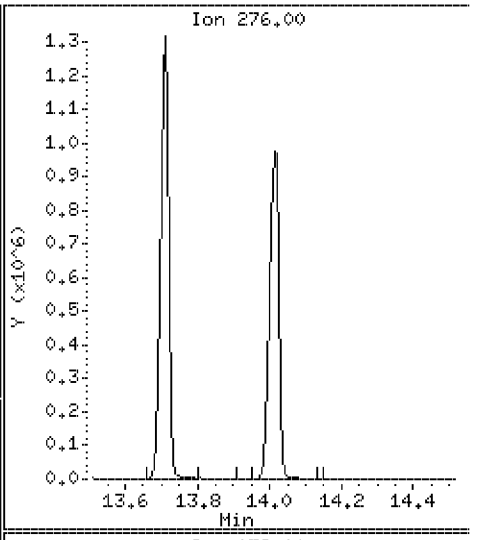
Column phase: HPMS-5

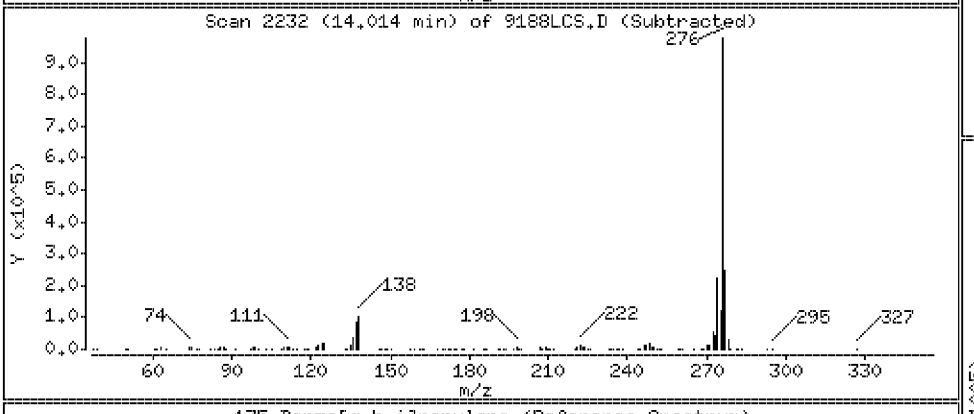
Column diameter: 0.25

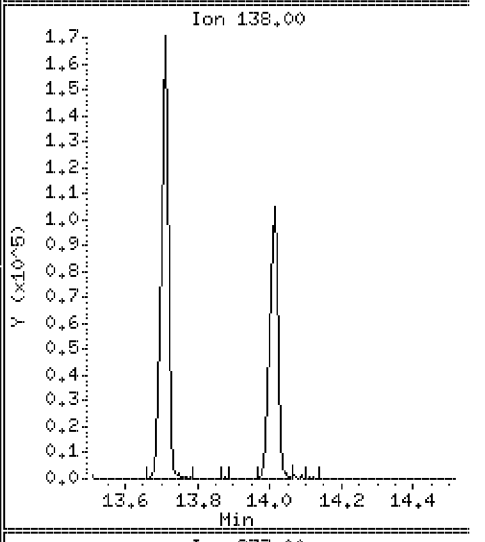
135 Benzo[g,h,i]perylene

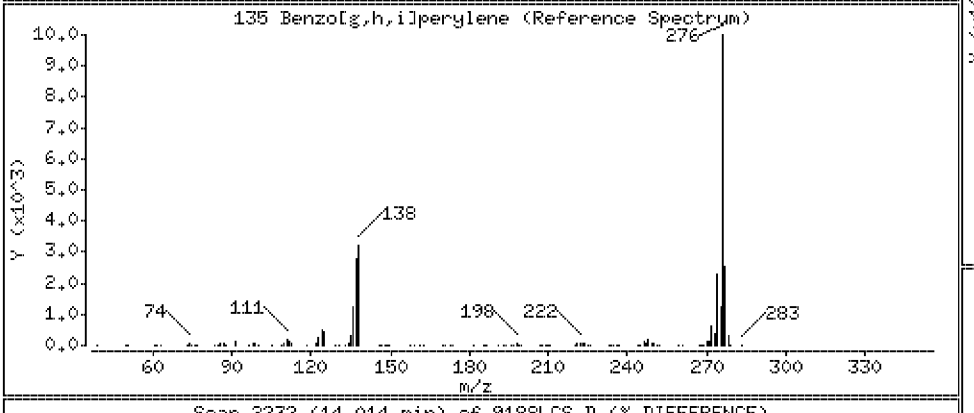
Concentration: 1800 ug/kg

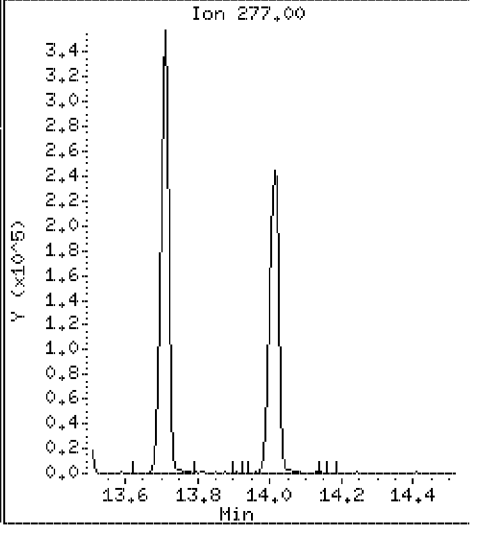


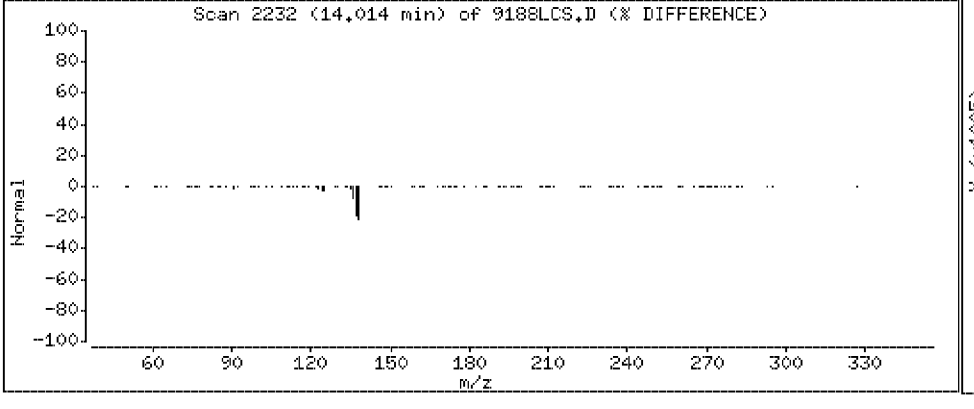












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D
Lab Smp Id: 350583501 Client Smp ID: EPAFMC-SD-01
Inj Date : 26-APR-2012 15:30 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583501
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.990	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	11.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	308382	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	196286			33.39- 93.39	63.65
4.423	4.423	(1.000)	150	464350			121.52- 181.52	150.58
25 Acetophenone						CAS #: 98-86-2		
4.778	4.778	(0.856)	105	2661	0.17099	107	80.00- 120.00	100.00
4.776	4.778	(0.855)	77	3205			69.57- 129.57	120.44
4.775	4.778	(0.855)	51	919			0.00- 54.45	34.54
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	1034441	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	57100			0.00- 35.32	5.52
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	719312	40.0000		80.00- 120.00	100.00
7.278	7.278	(1.000)	162	692601			66.43- 126.43	96.29
7.278	7.278	(1.000)	160	317271			14.76- 74.76	44.11
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.733	8.734	(1.000)	188	1420933	40.0000		80.00- 120.00	100.00

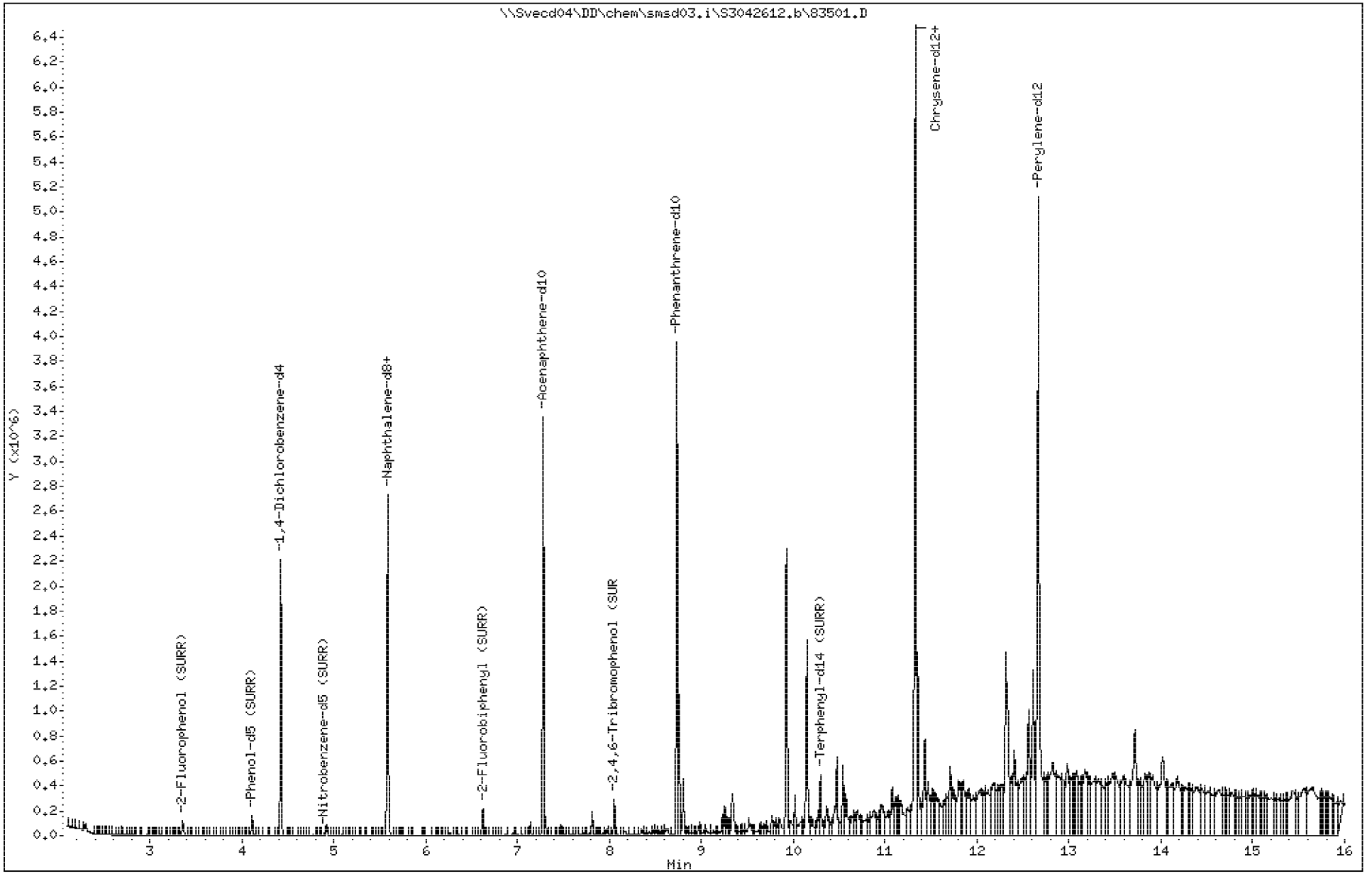
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10 (continued)								
8.733	8.734	(1.000)	94	92275			0.00- 36.17	6.49
8.732	8.734	(1.000)	80	108652			0.00- 38.16	7.65
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.330	11.327	(1.000)	240	1912161	40.0000		80.00- 120.00	100.00
11.329	11.327	(1.000)	120	111238			0.00- 35.19	5.82
11.330	11.327	(1.000)	236	528791			0.00- 56.66	27.65
* 130 Perylene-d12						CAS #: 1520-96-3		
12.664	12.650	(1.000)	264	1973348	40.0000		80.00- 120.00	100.00
12.664	12.650	(1.000)	260	455198			0.00- 54.55	23.07
12.664	12.650	(1.000)	265	480332			0.00- 53.02	24.34

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D
Date : 26-APR-2012 15:30
Client ID: EPAFMC-SD-01
Sample Info: sw350583501

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2318

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

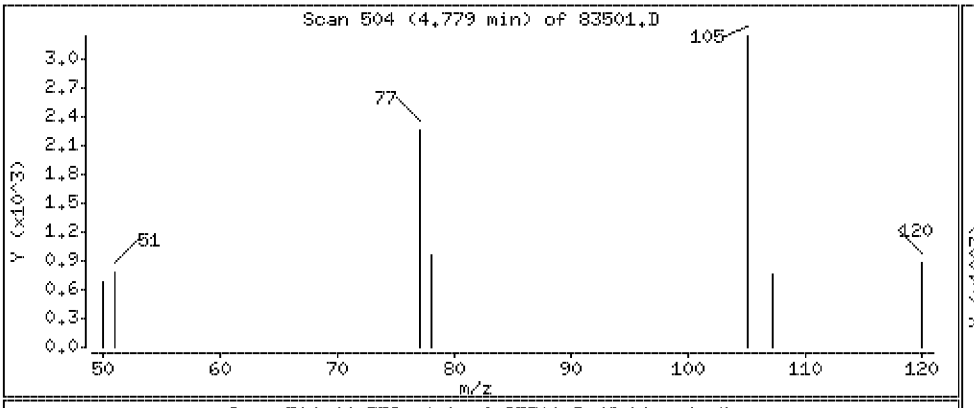
Operator: PEL

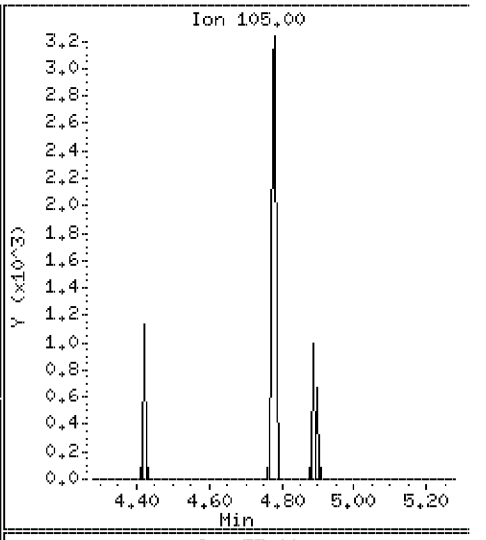
Column phase: HPMS-5

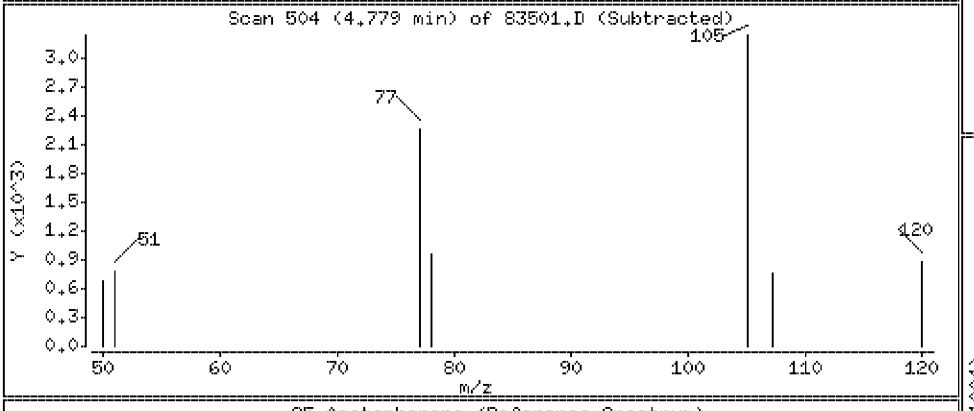
Column diameter: 0.25

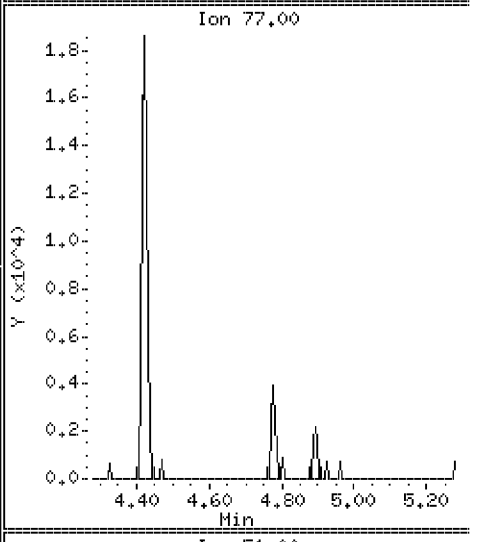
25 Acetophenone

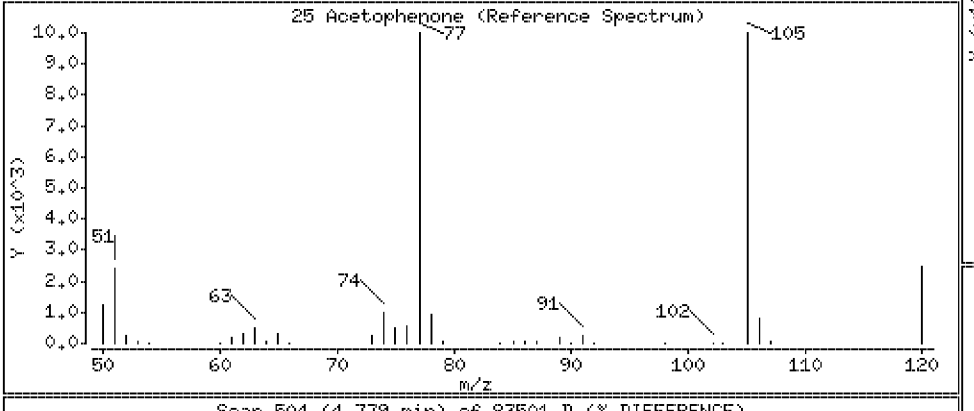
Concentration: 107 ug/kg

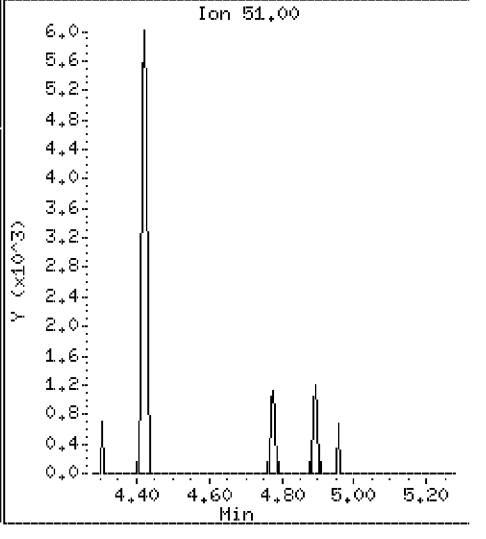


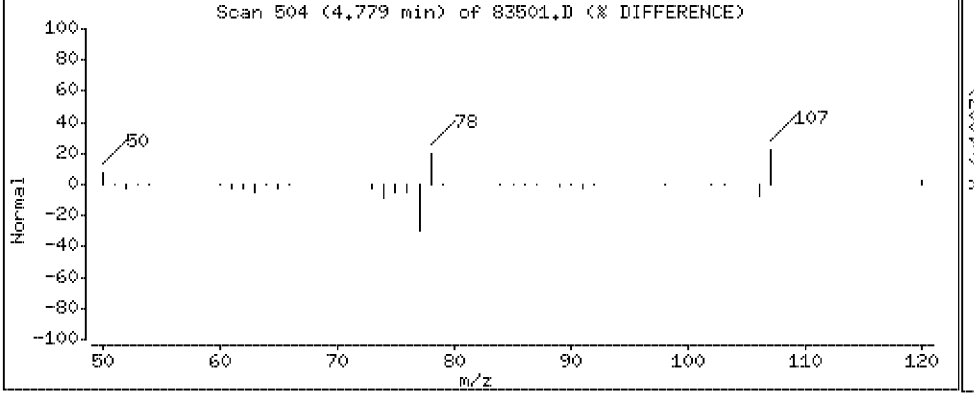












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

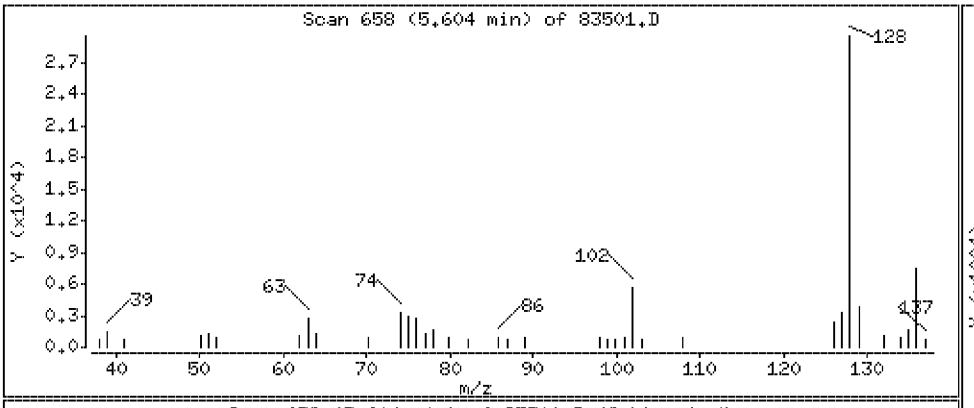
Operator: PEL

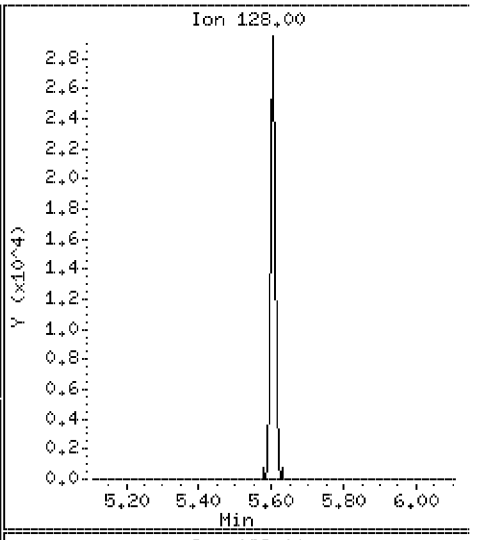
Column phase: HPMS-5

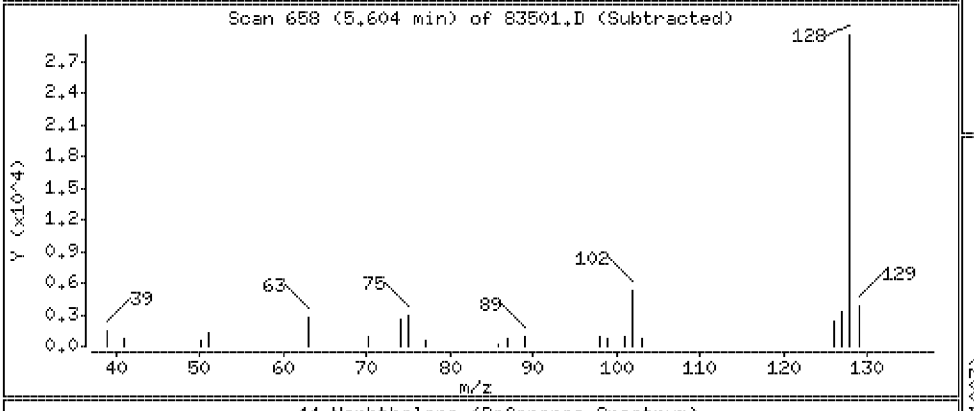
Column diameter: 0.25

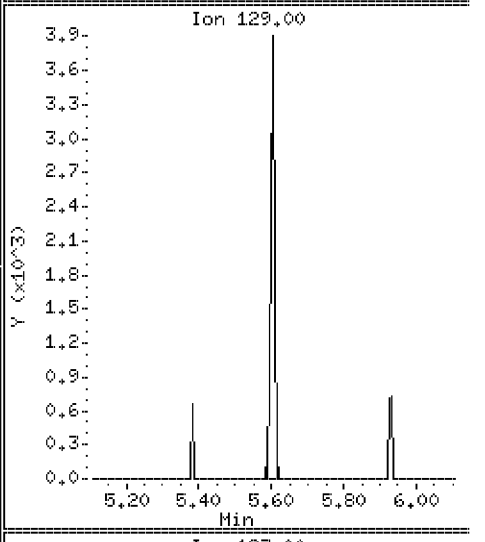
44 Naphthalene

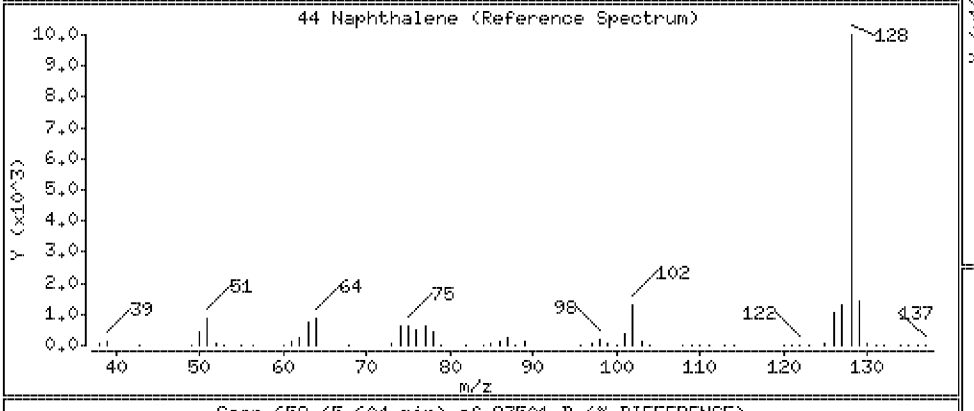
Concentration: 626 ug/kg

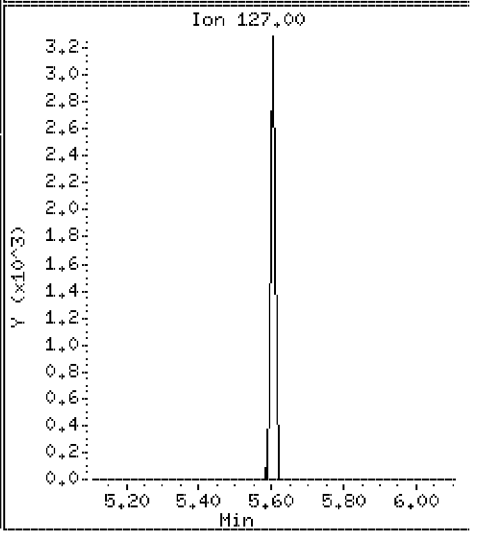


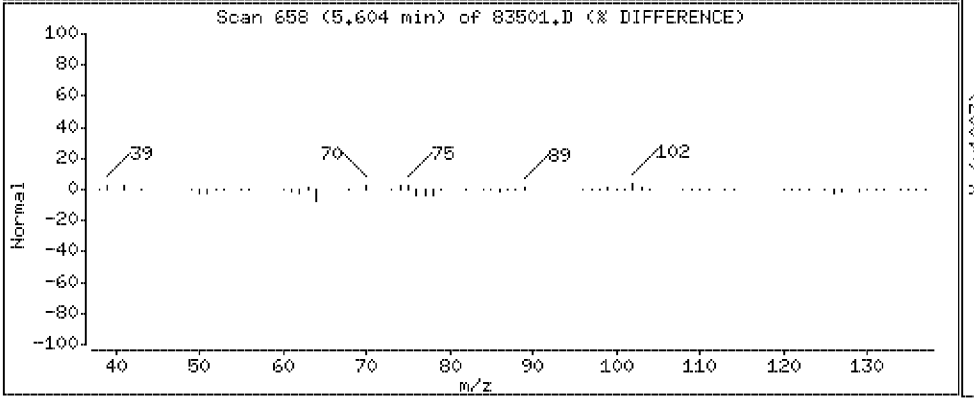












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

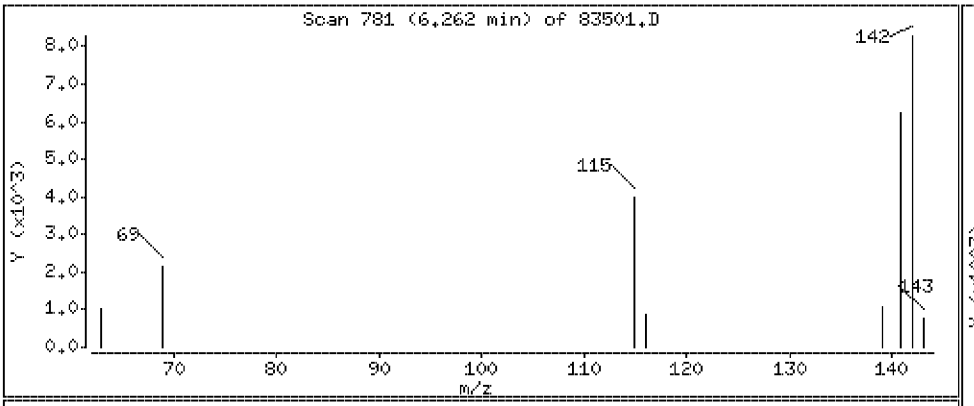
Operator: PEL

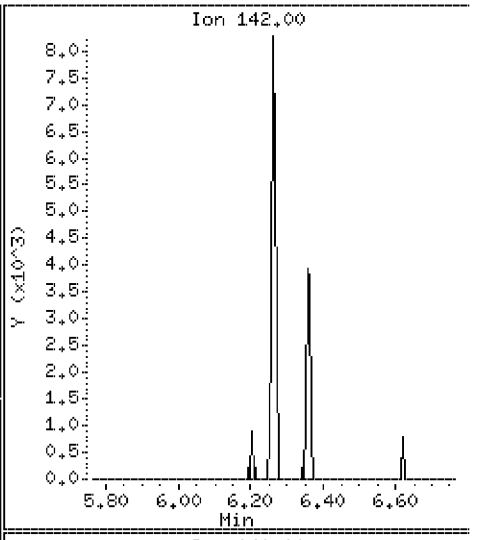
Column phase: HPMS-5

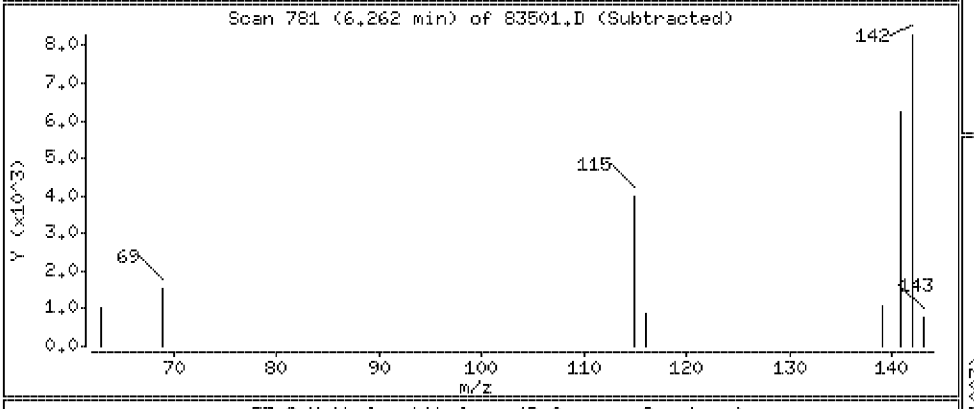
Column diameter: 0.25

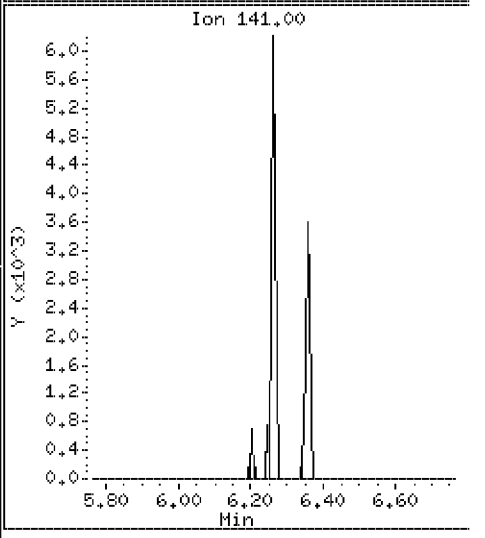
53 2-Methylnaphthalene

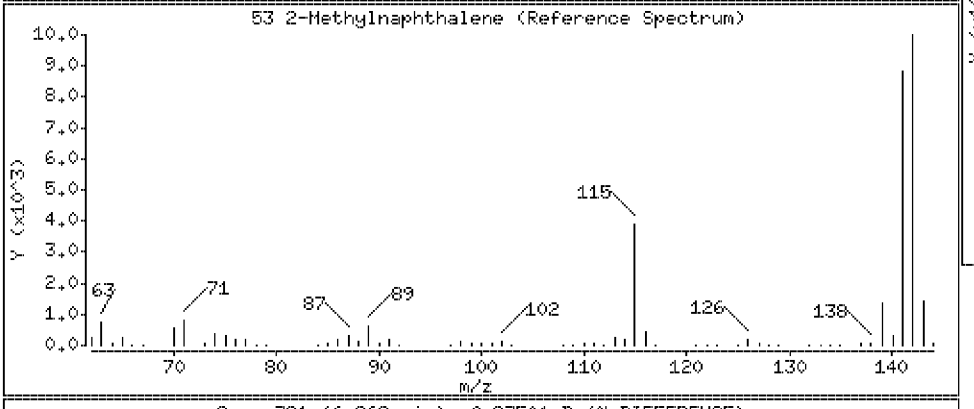
Concentration: 214 ug/kg

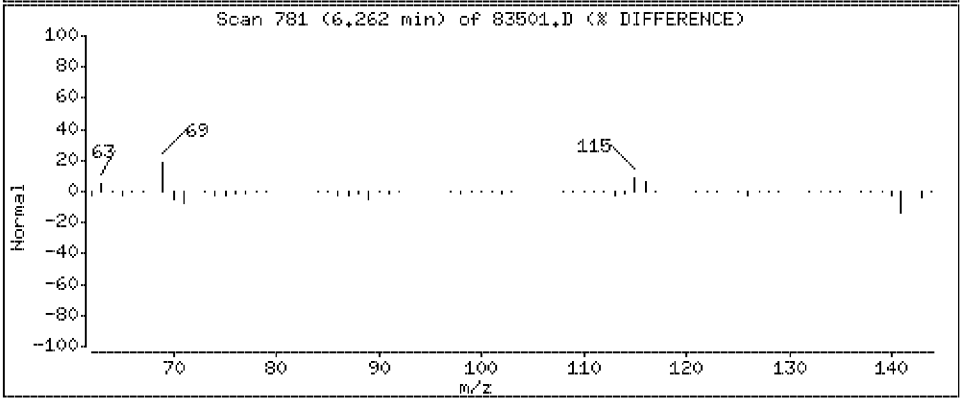












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

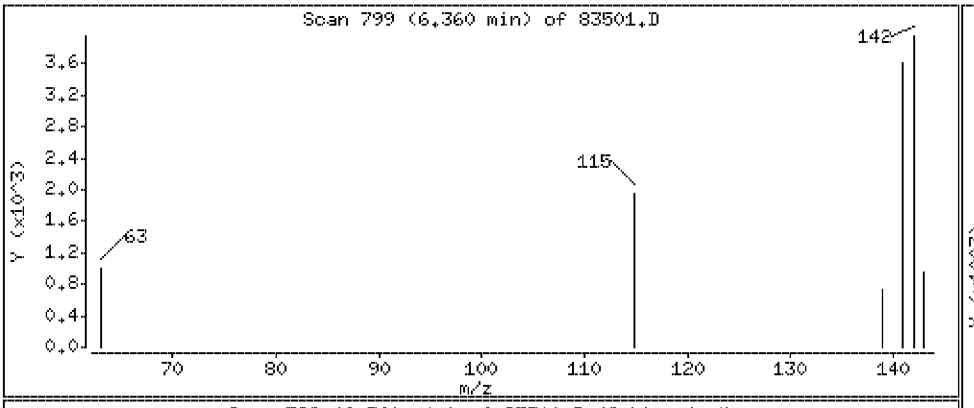
Operator: PEL

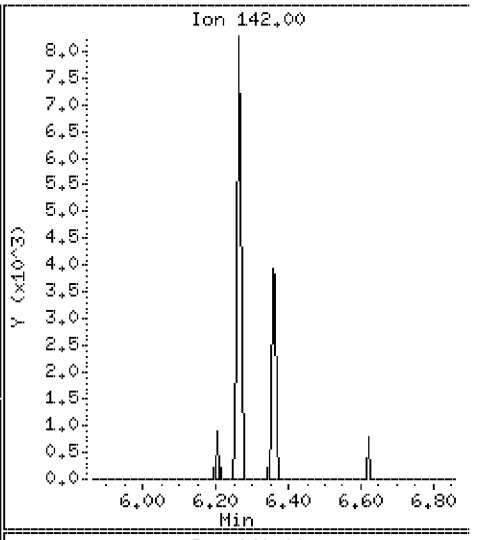
Column phase: HPMS-5

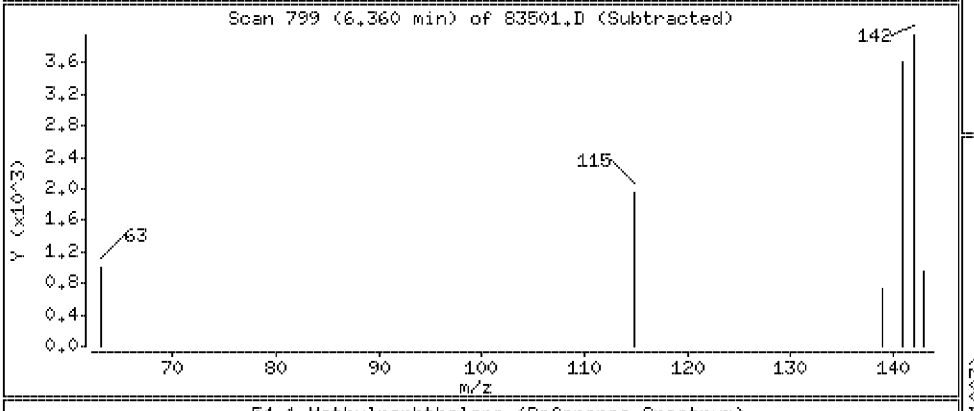
Column diameter: 0.25

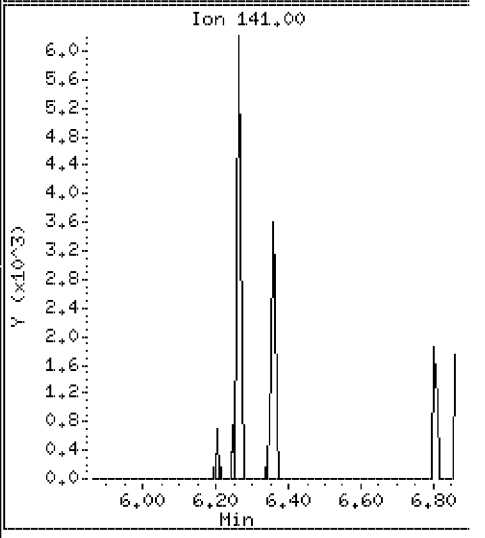
54 1-Methylnaphthalene

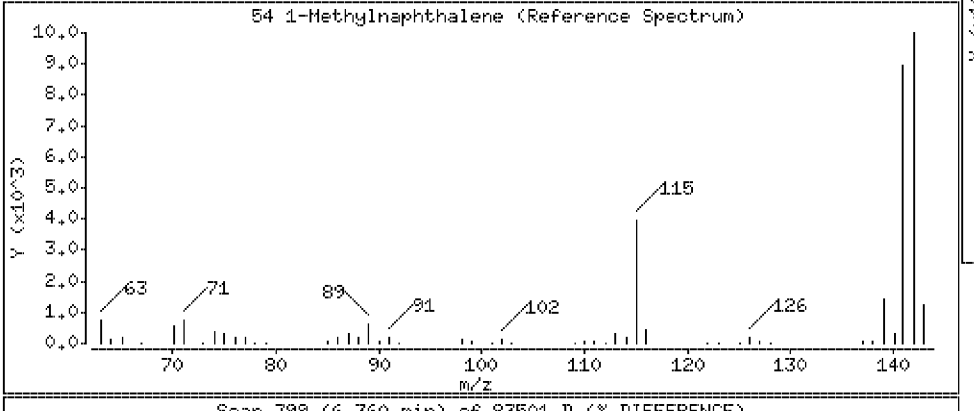
Concentration: 110 ug/kg

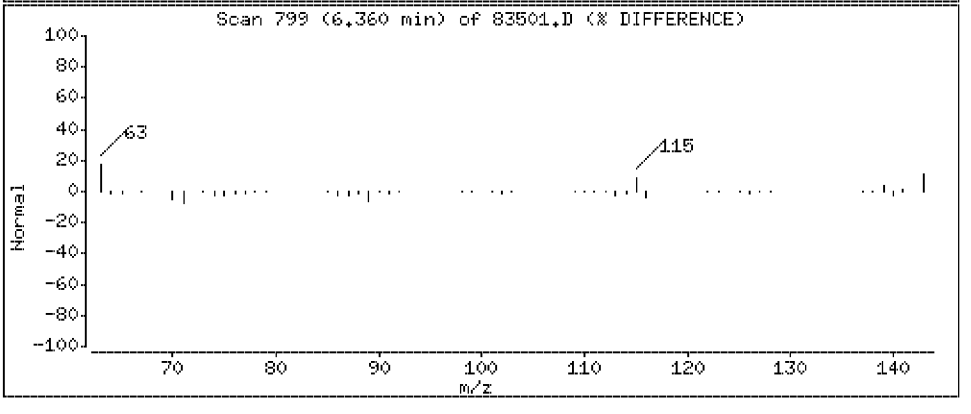












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

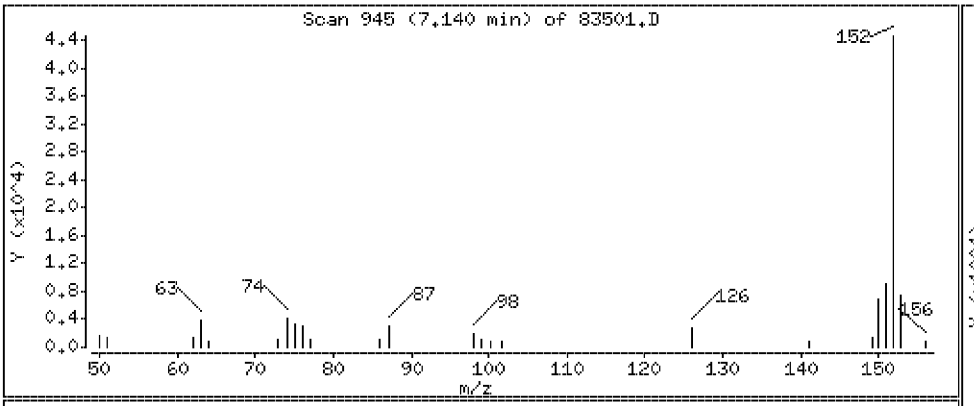
Operator: PEL

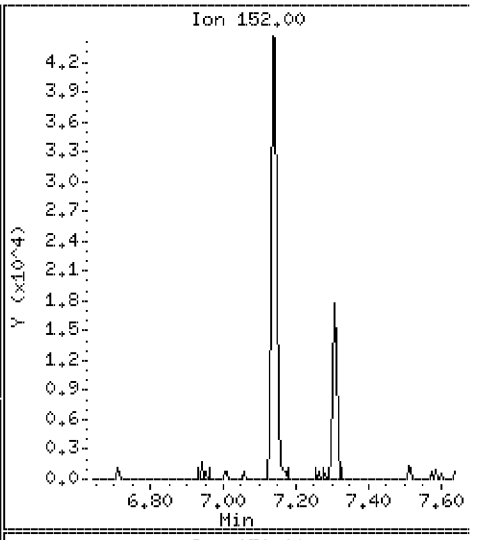
Column phase: HPMS-5

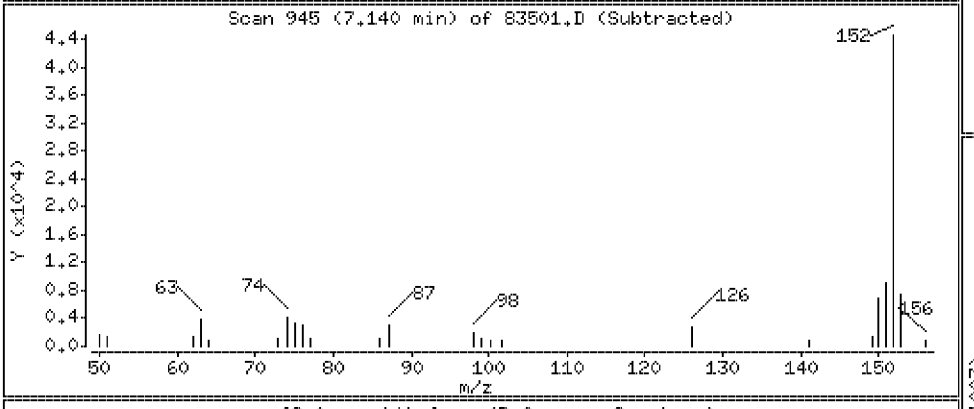
Column diameter: 0.25

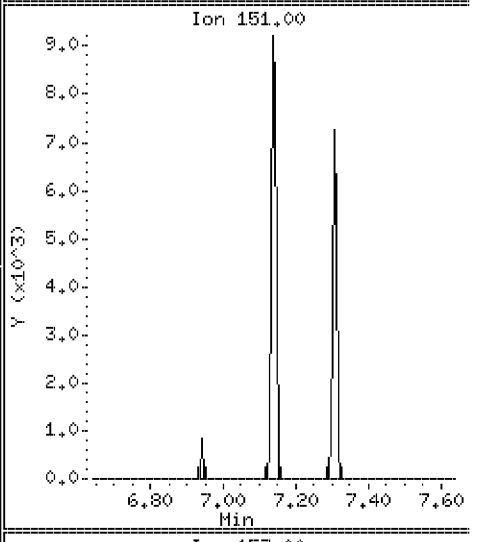
68 Acenaphthylene

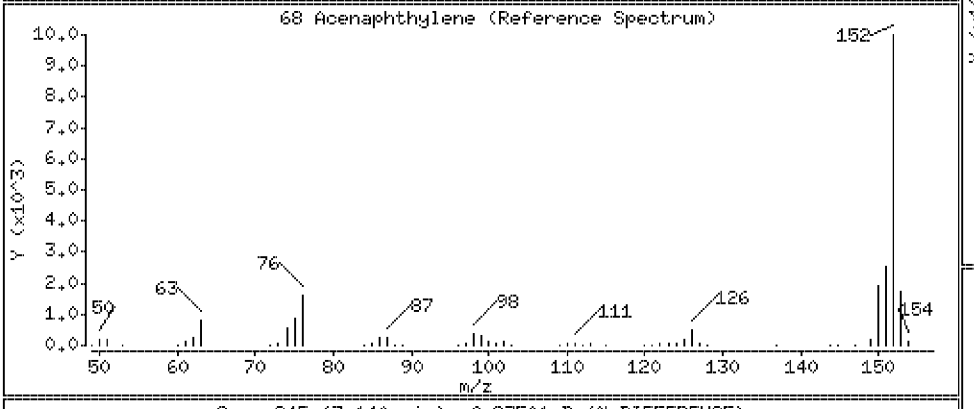
Concentration: 944 ug/kg

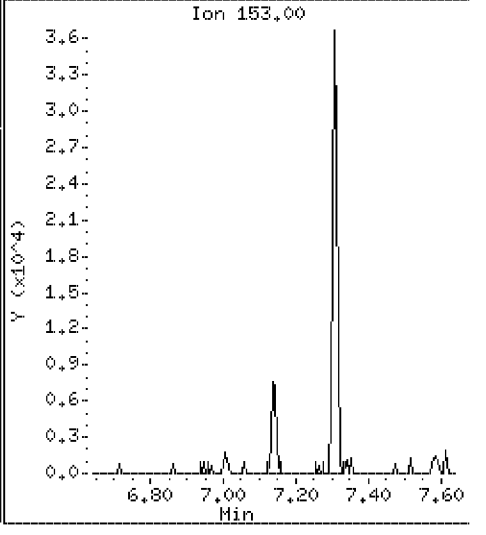


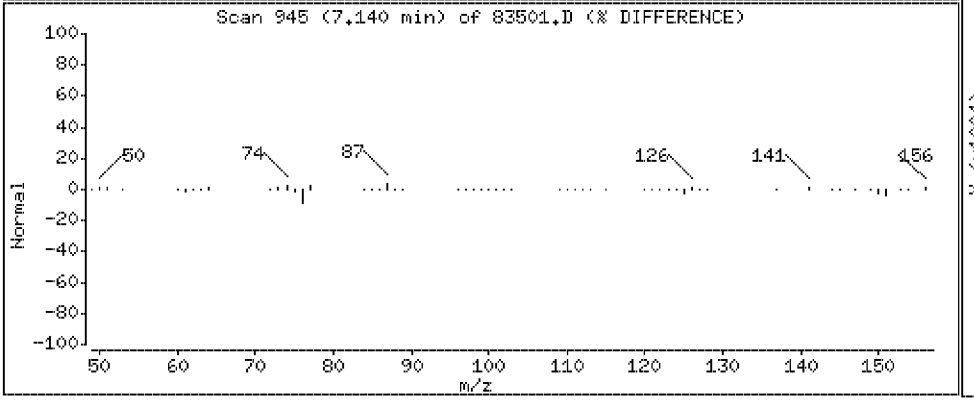












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

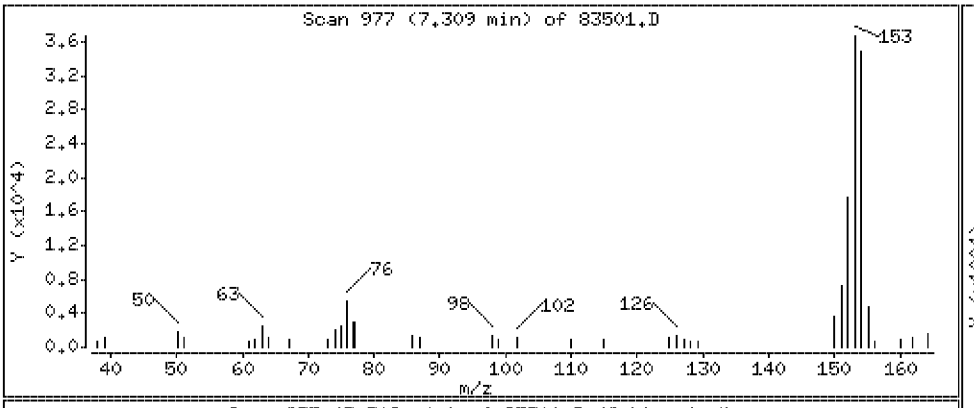
Operator: PEL

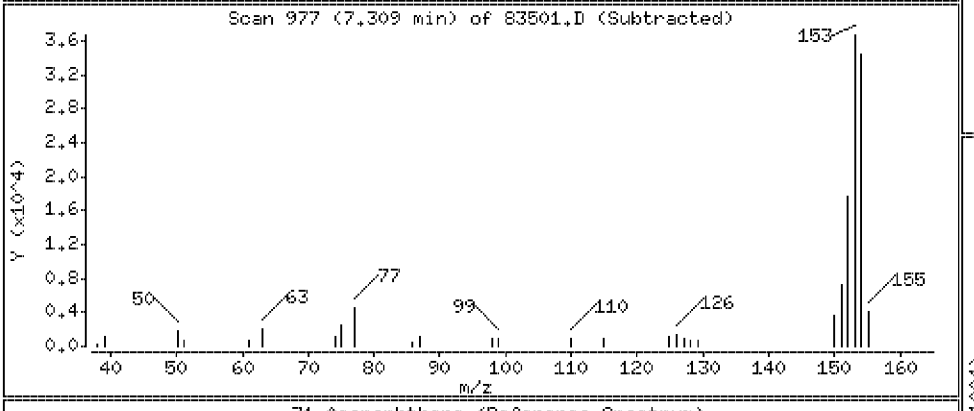
Column phase: HPMS-5

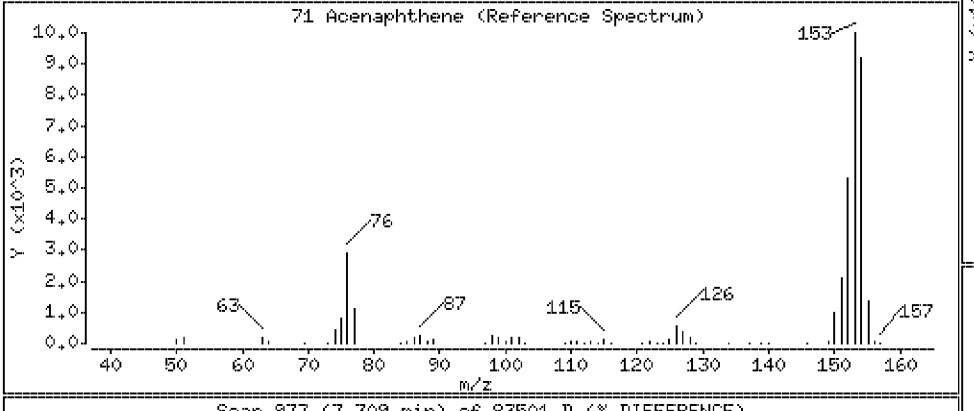
Column diameter: 0.25

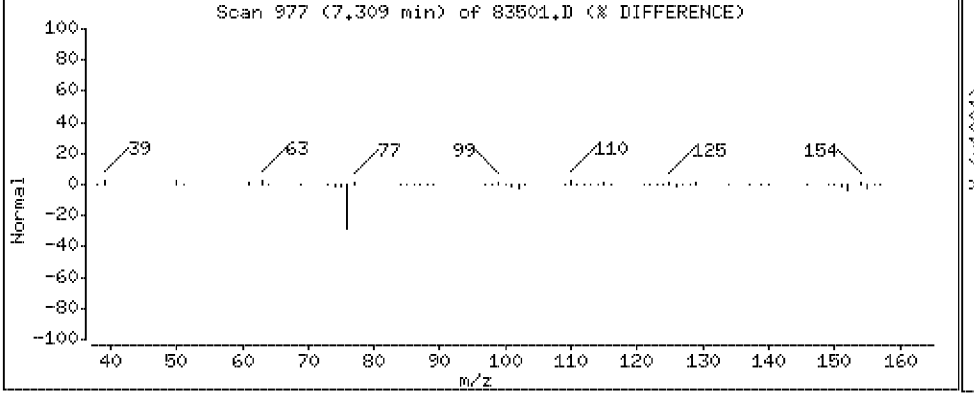
71 Acenaphthene

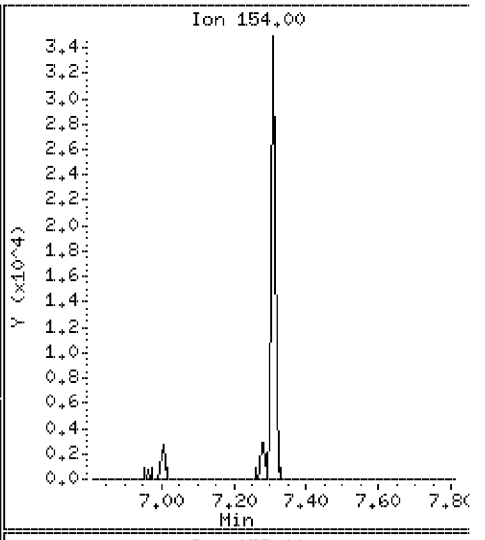
Concentration: 928 ug/kg

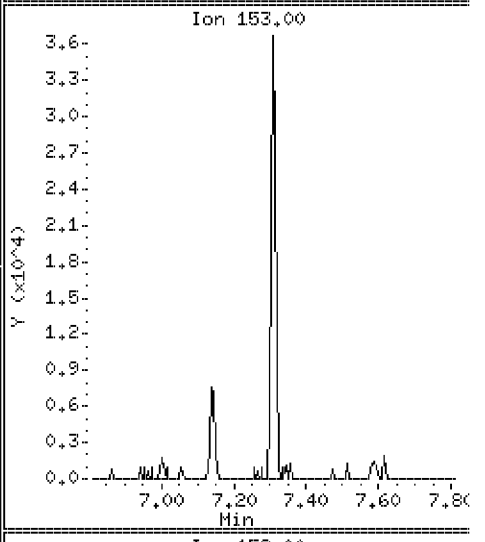


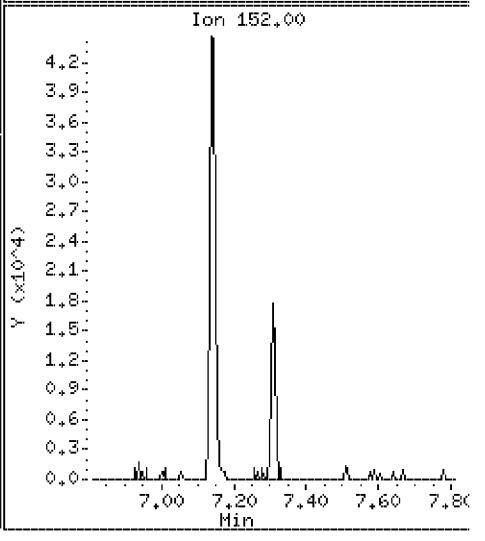












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

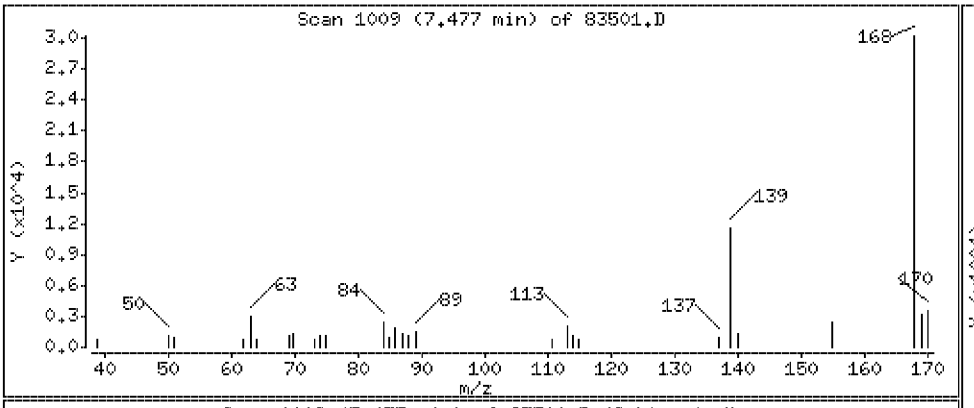
Operator: PEL

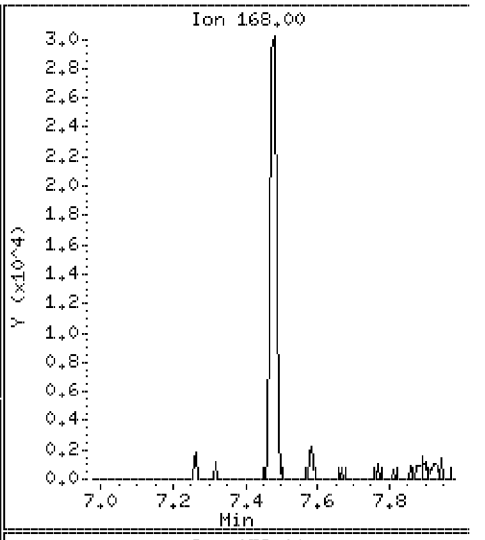
Column phase: HPMS-5

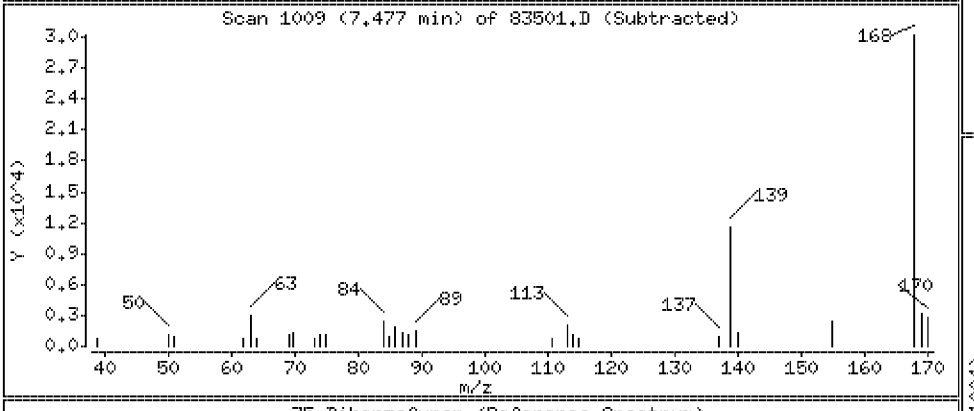
Column diameter: 0.25

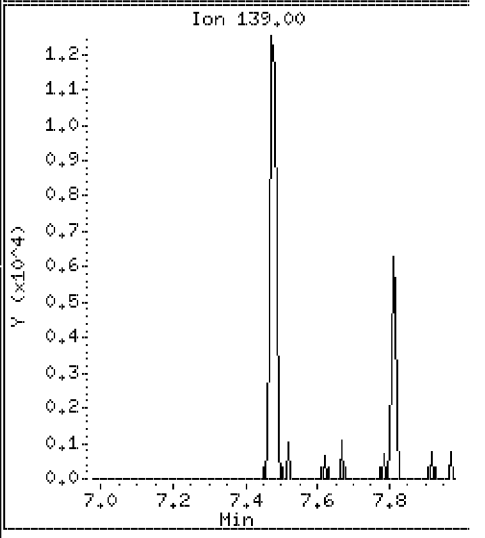
75 Dibenzofuran

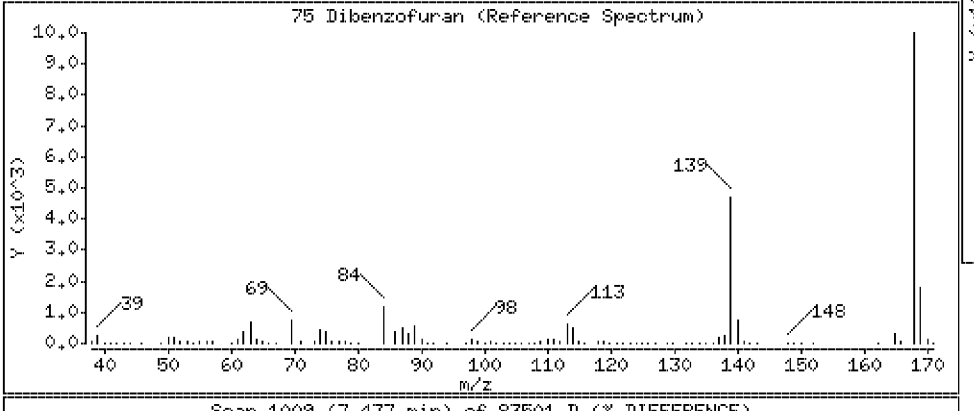
Concentration: 593 ug/kg

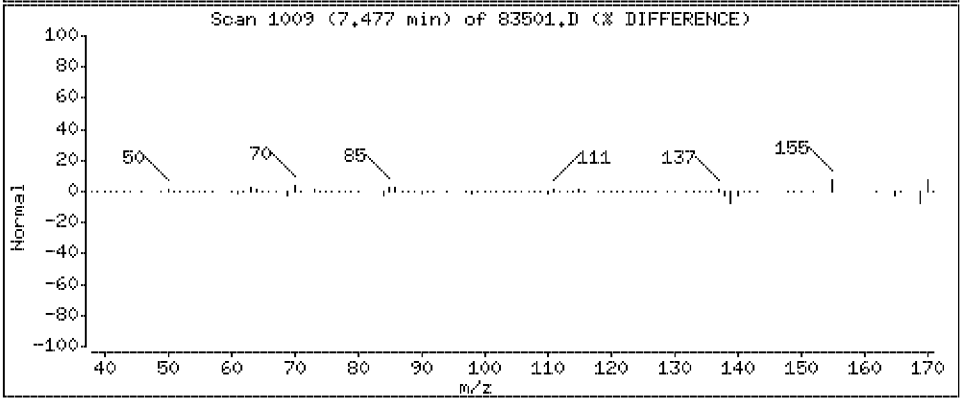












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

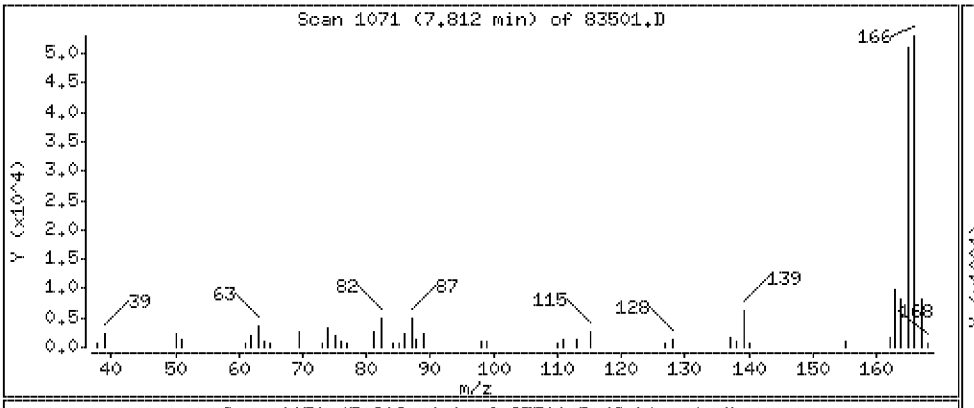
Operator: PEL

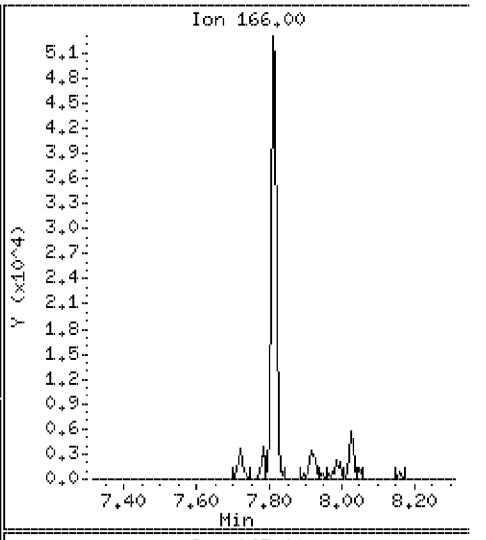
Column phase: HPMS-5

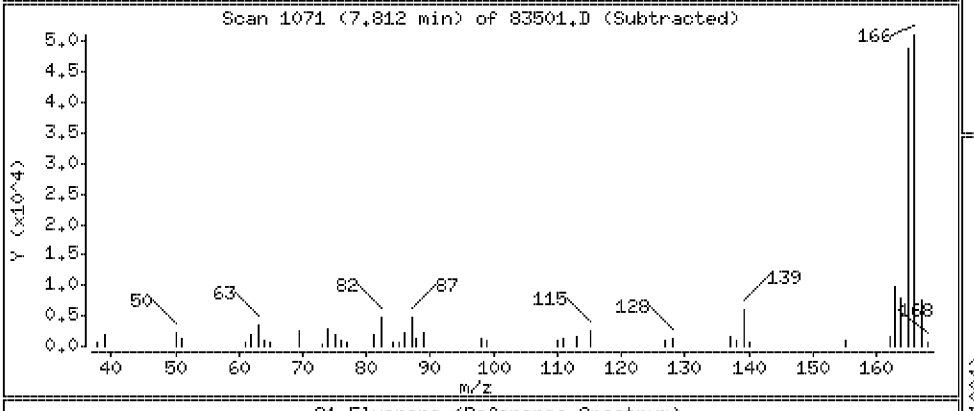
Column diameter: 0.25

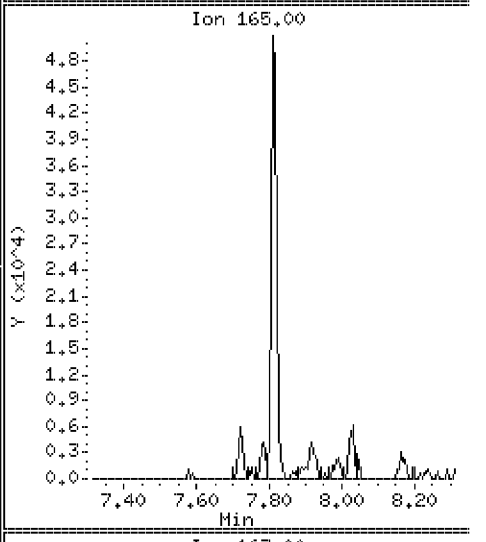
81 Fluorene

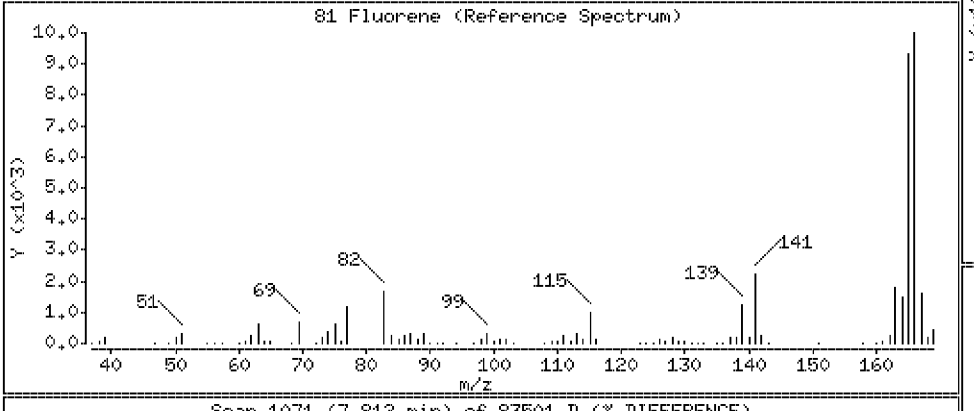
Concentration: 1230 ug/kg

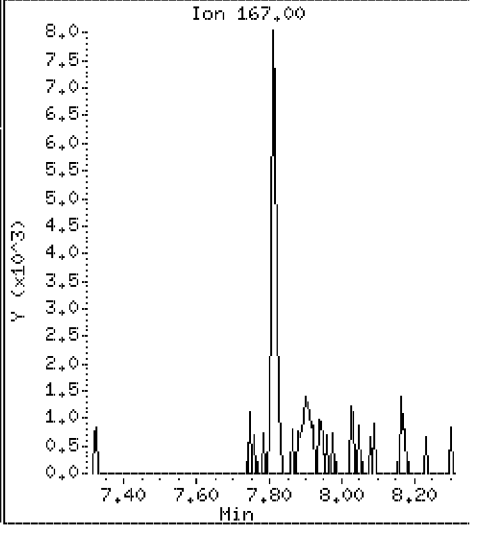


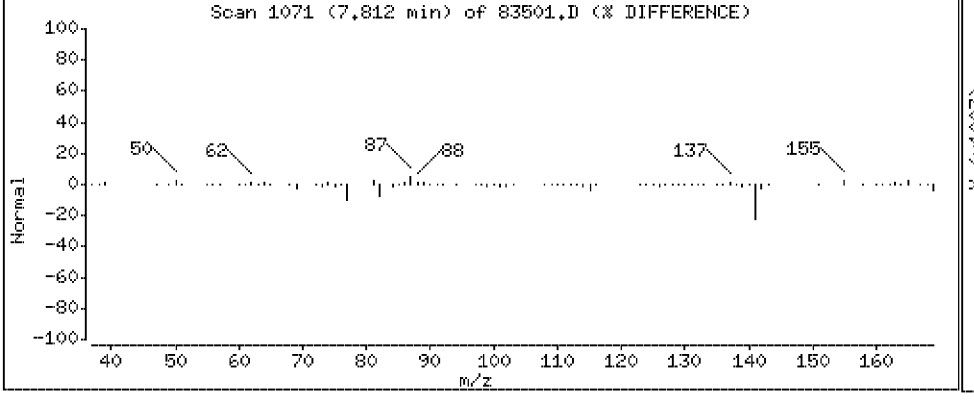












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

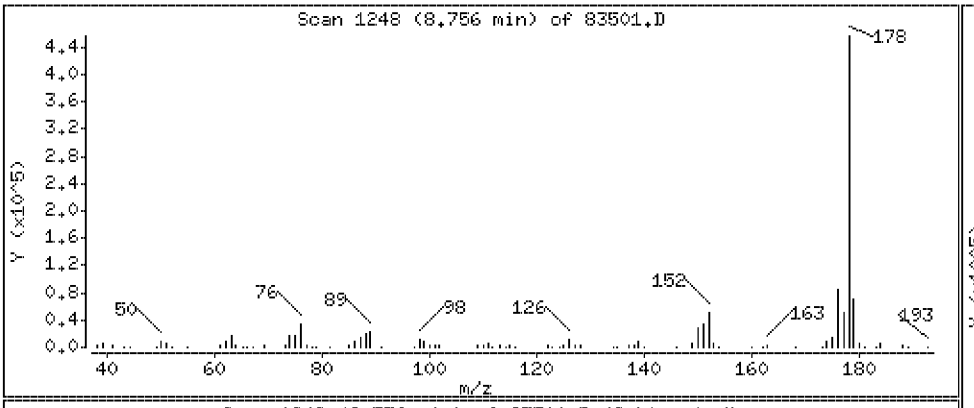
Operator: PEL

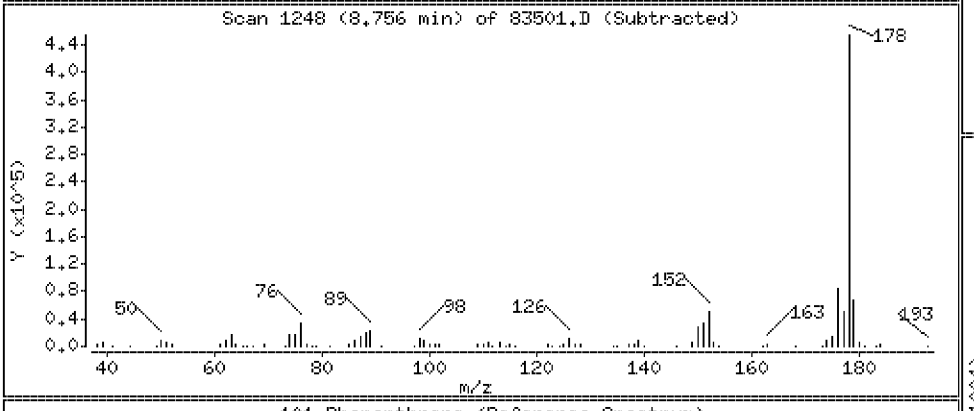
Column phase: HPMS-5

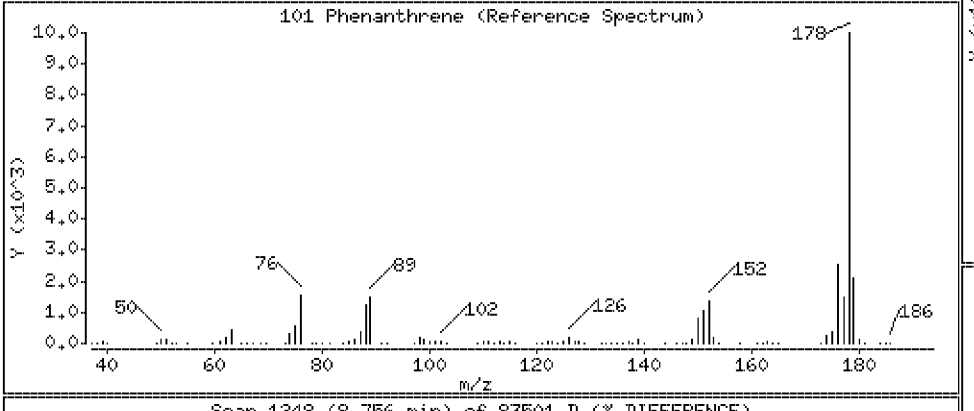
Column diameter: 0.25

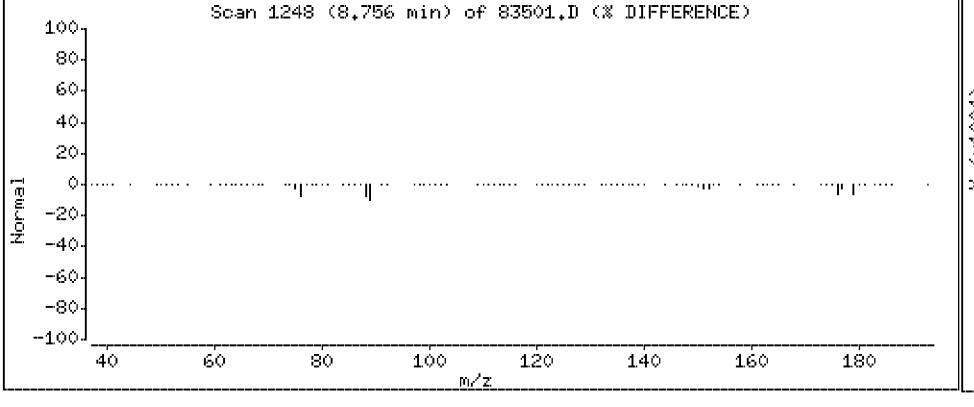
101 Phenanthrene

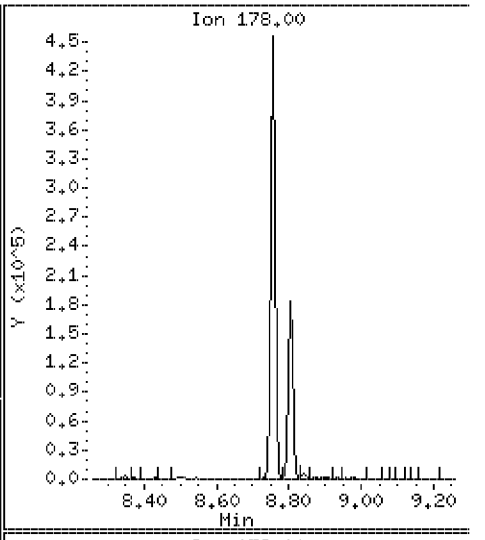
Concentration: 6590 ug/kg

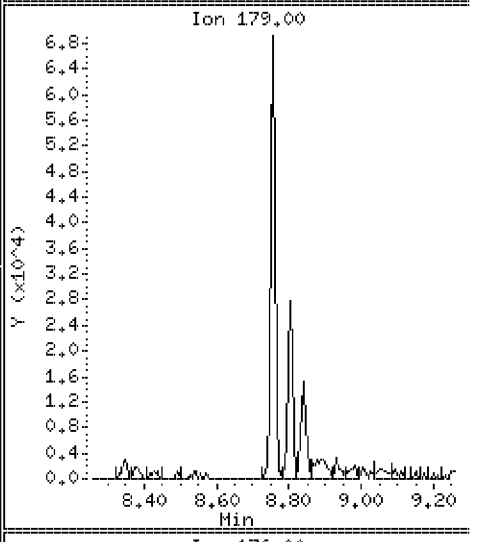


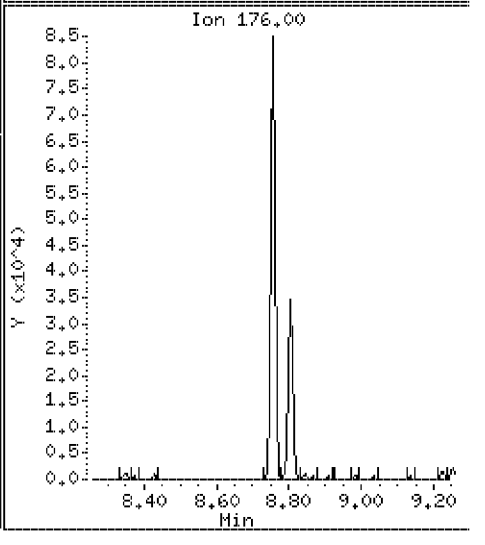












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

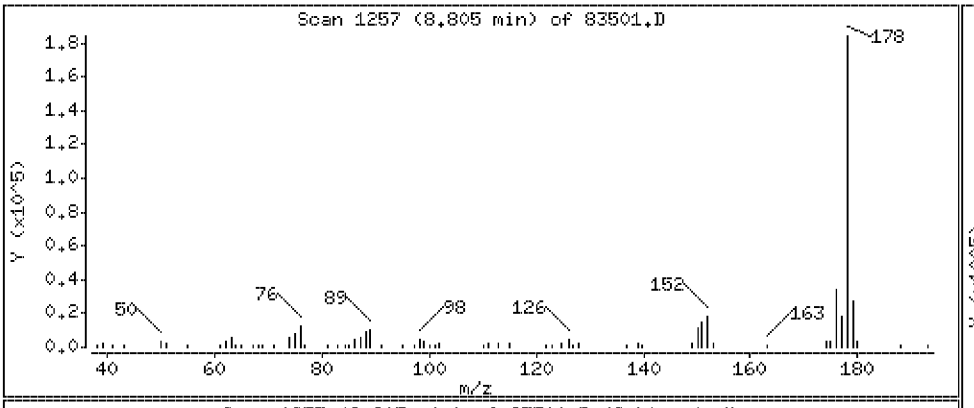
Operator: PEL

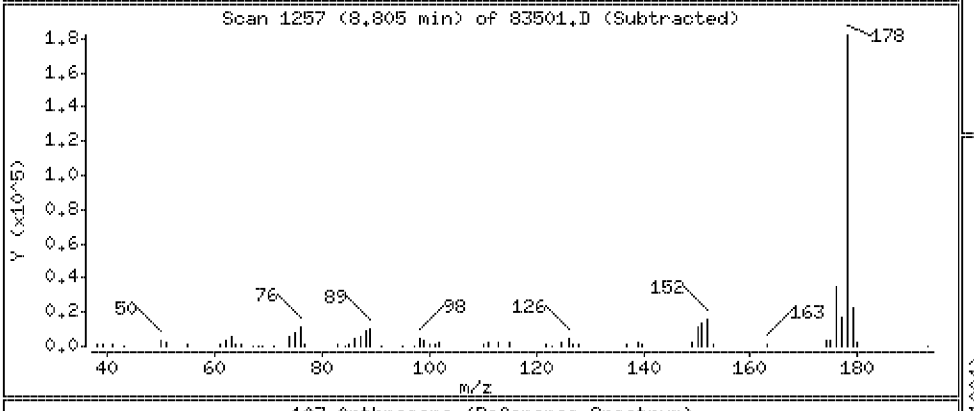
Column phase: HPMS-5

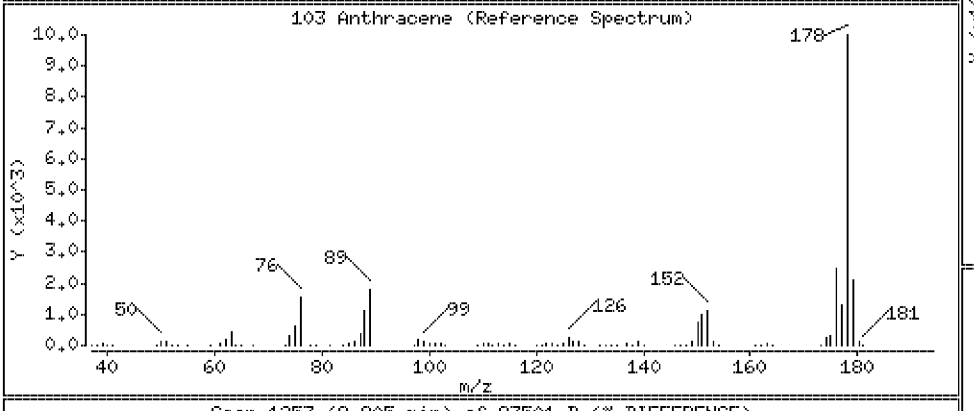
Column diameter: 0.25

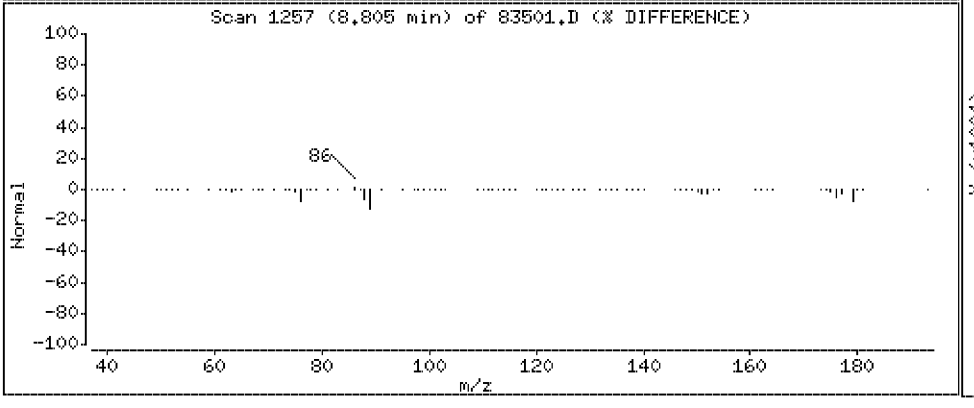
103 Anthracene

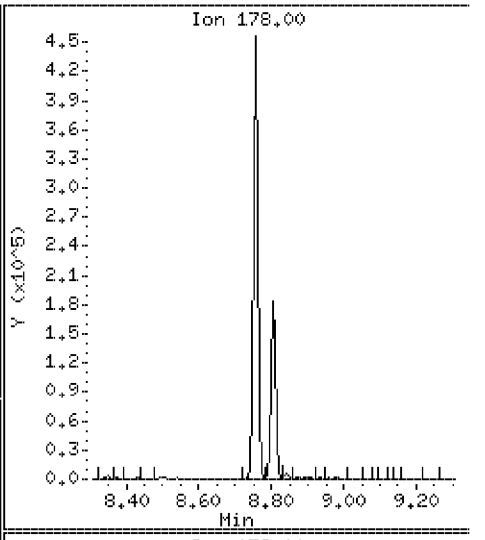
Concentration: 2860 ug/kg

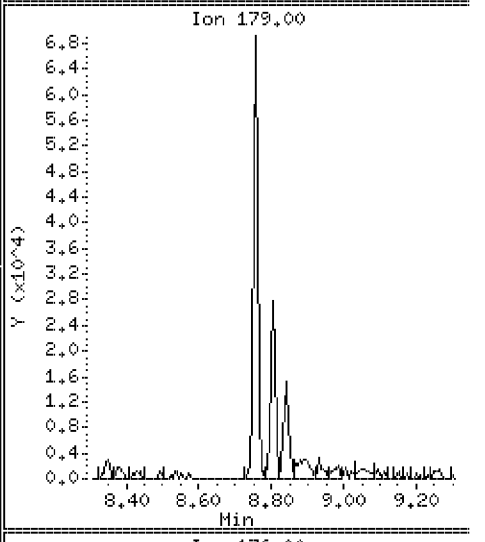


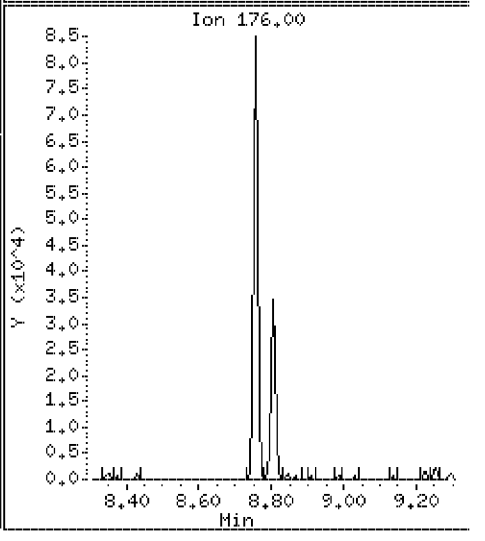












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

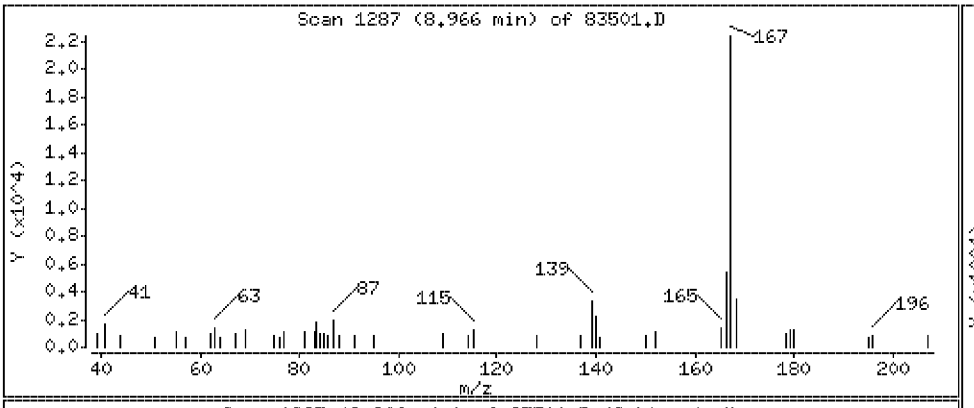
Operator: PEL

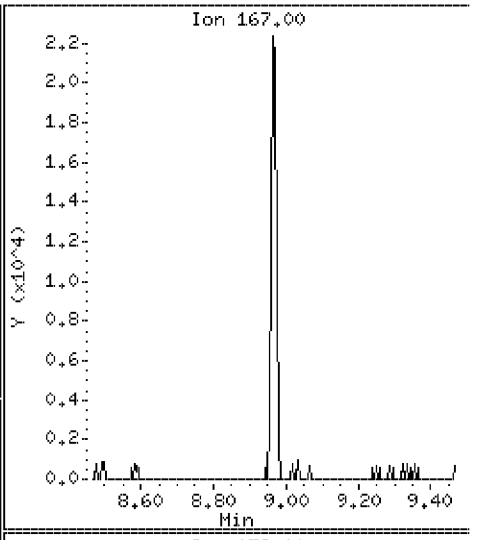
Column phase: HPMS-5

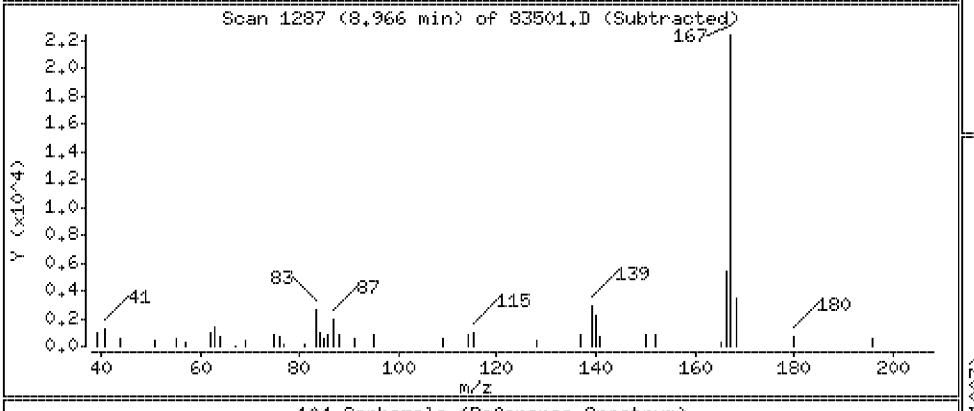
Column diameter: 0.25

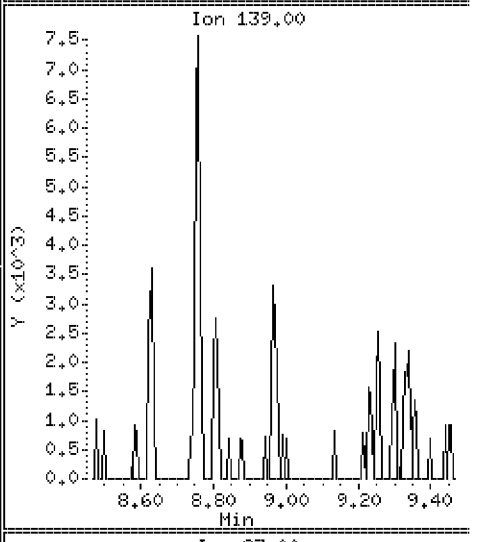
104 Carbazole

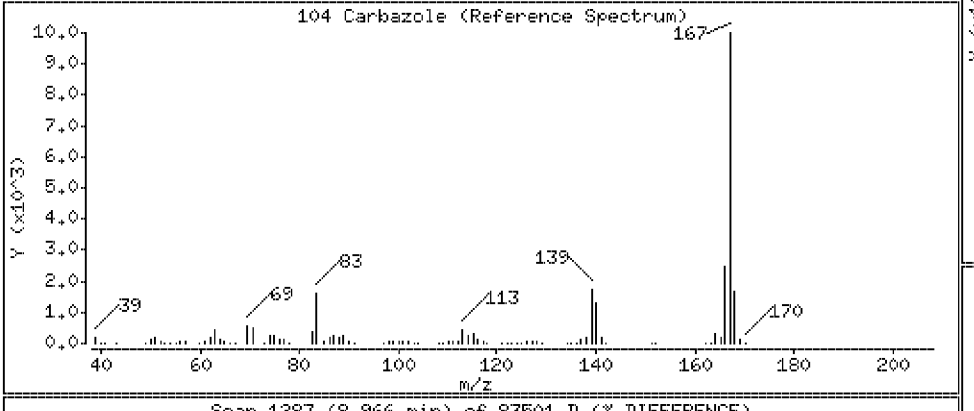
Concentration: 466 ug/kg

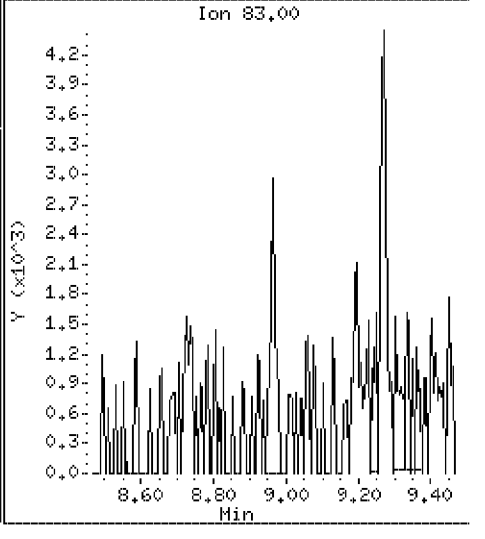


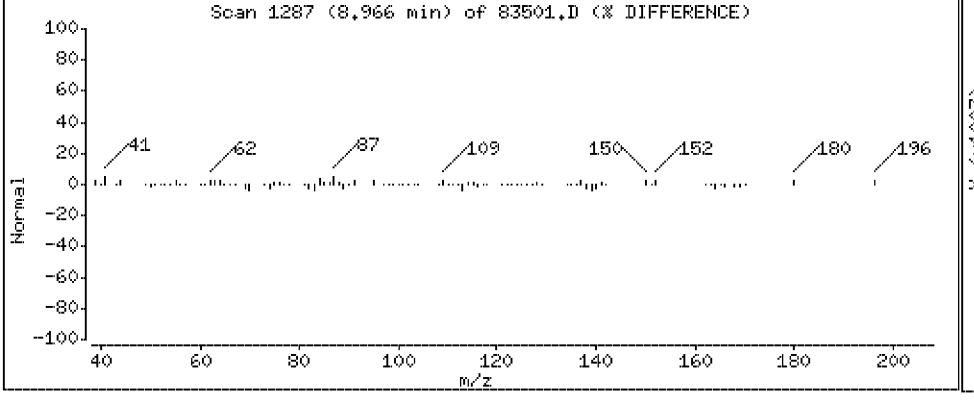












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

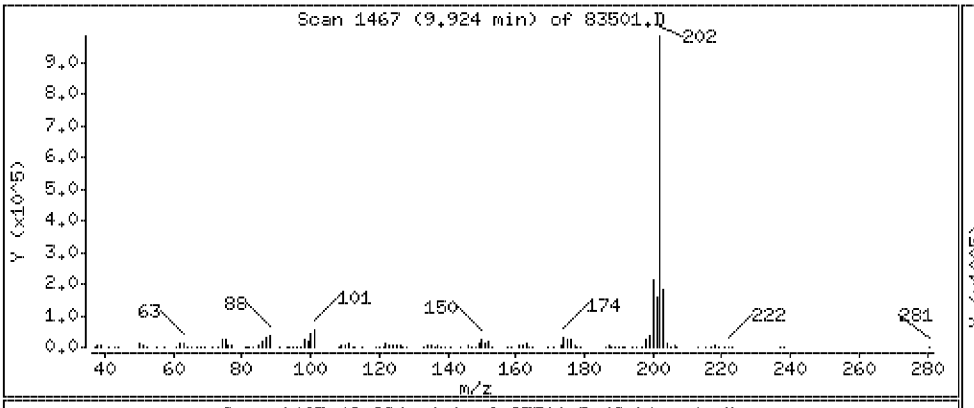
Operator: PEL

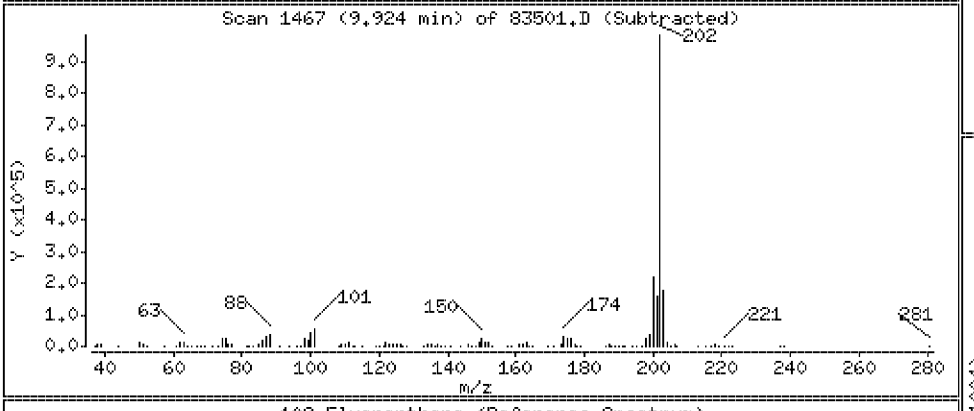
Column phase: HPMS-5

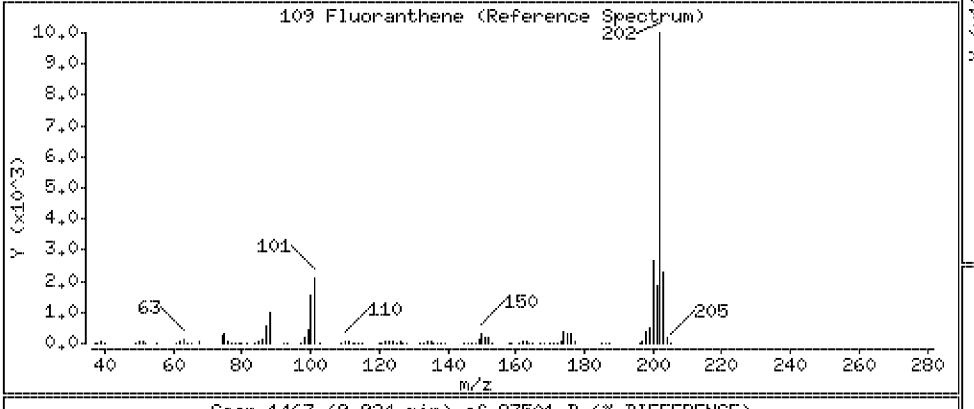
Column diameter: 0.25

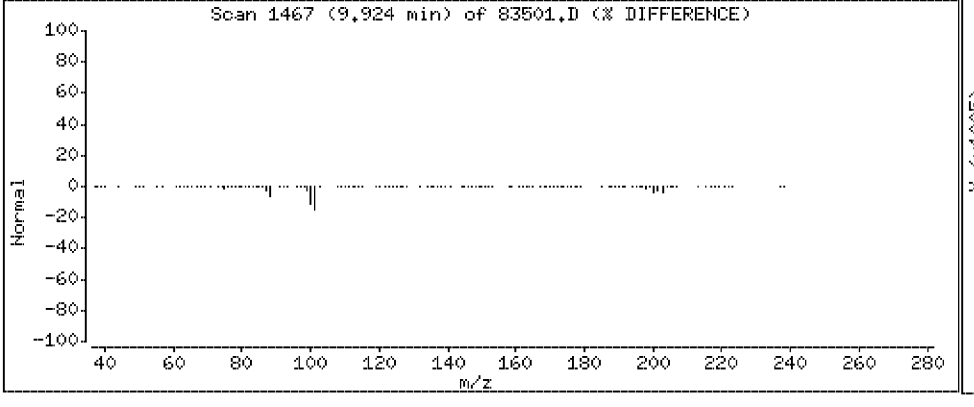
109 Fluoranthene

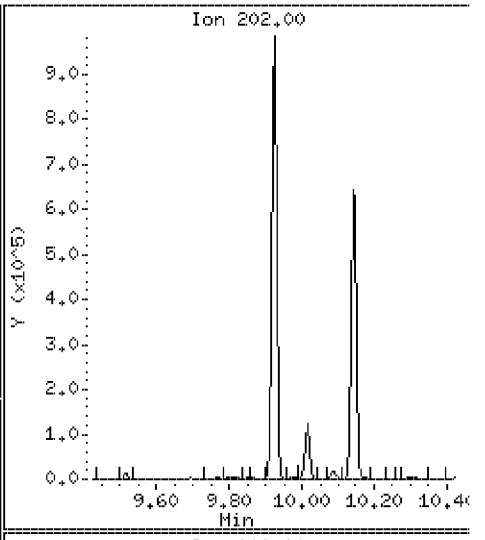
Concentration: 13700 ug/kg

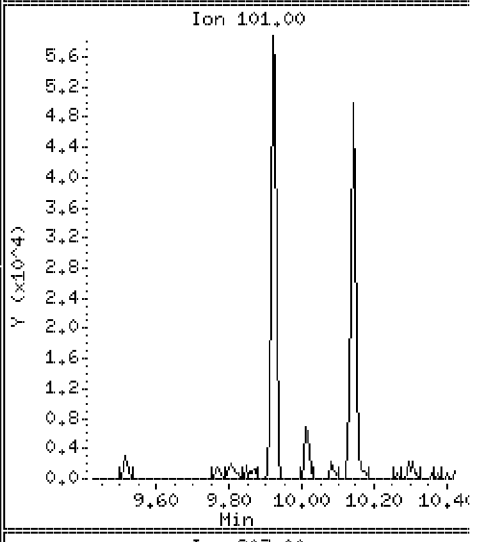


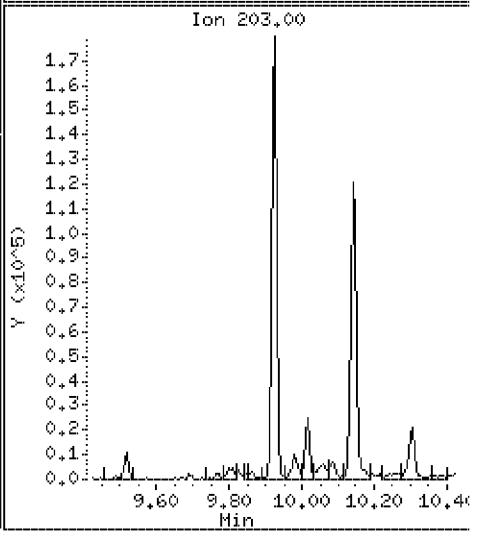












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

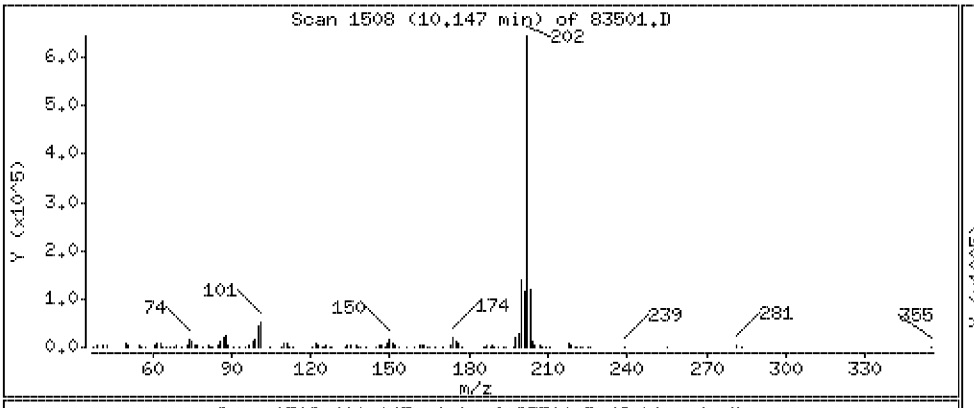
Operator: PEL

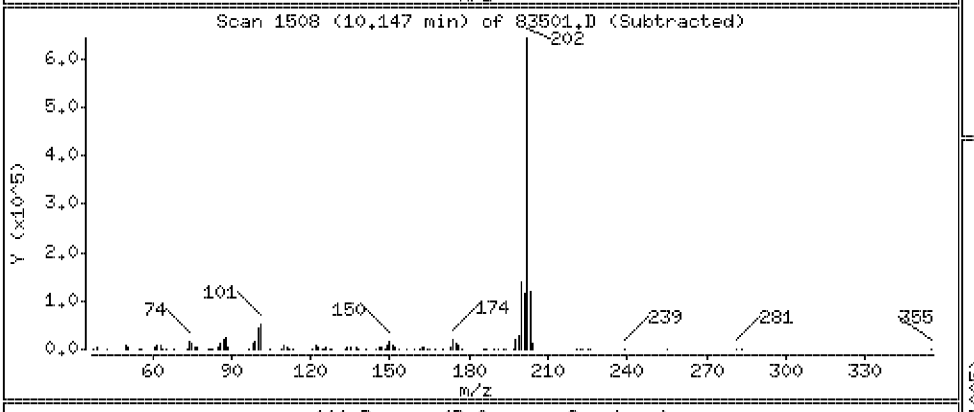
Column phase: HPMS-5

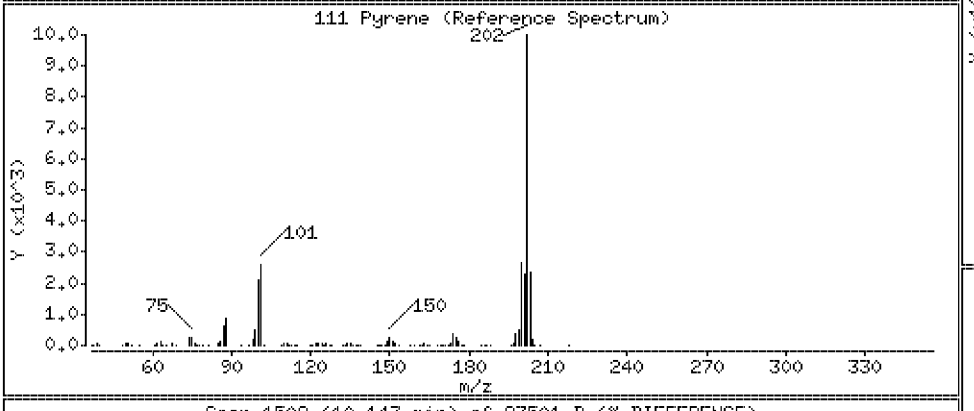
Column diameter: 0.25

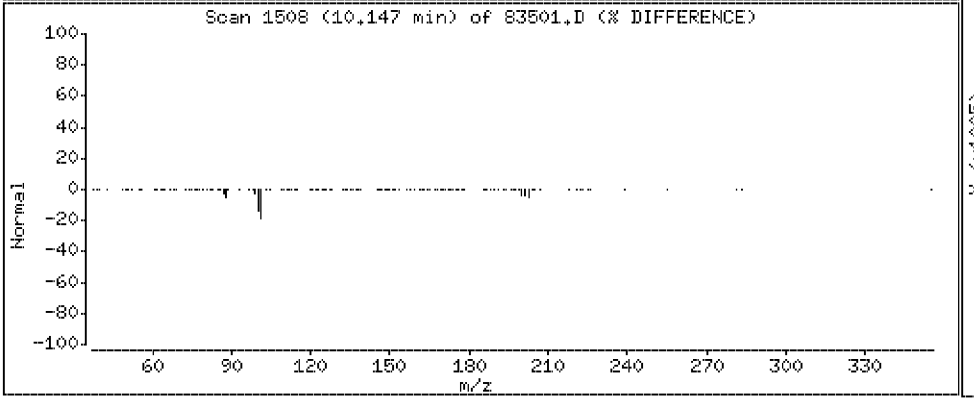
111 Pyrene

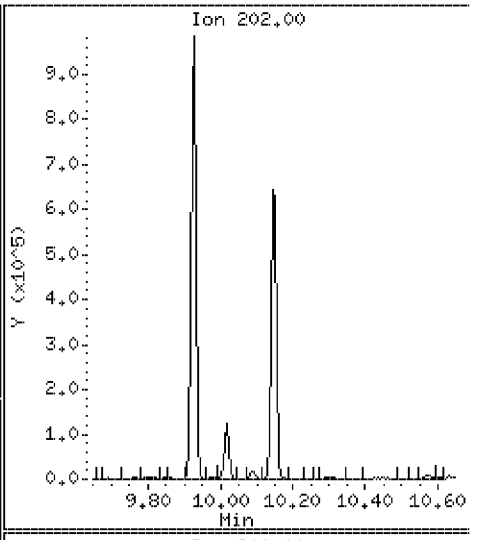
Concentration: 10600 ug/kg

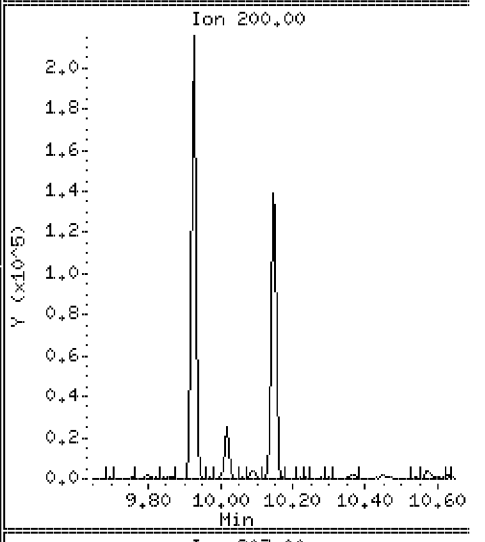


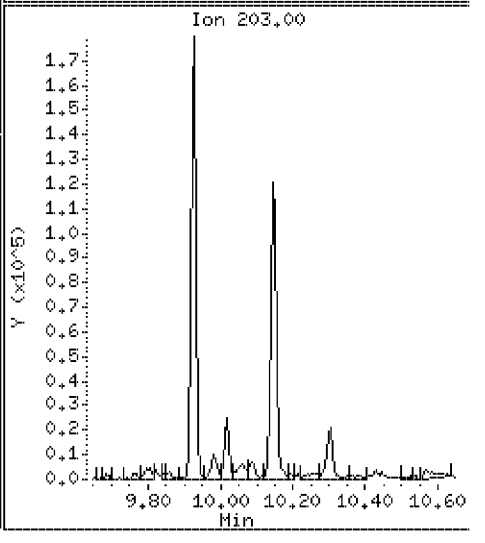












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

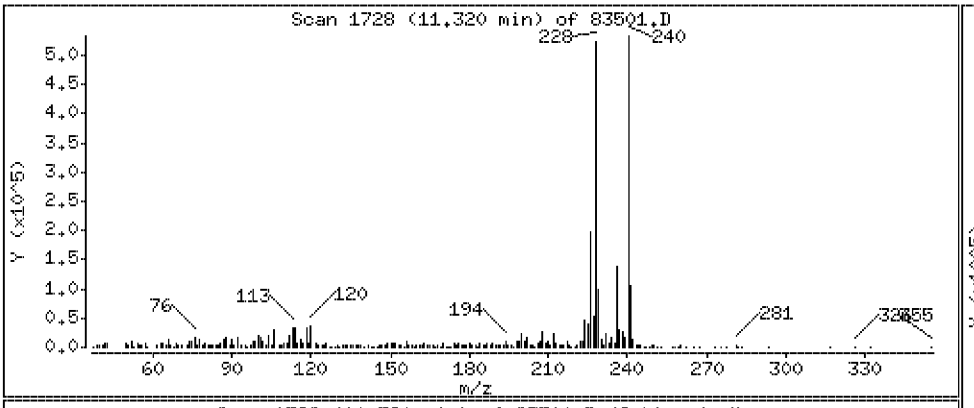
Operator: PEL

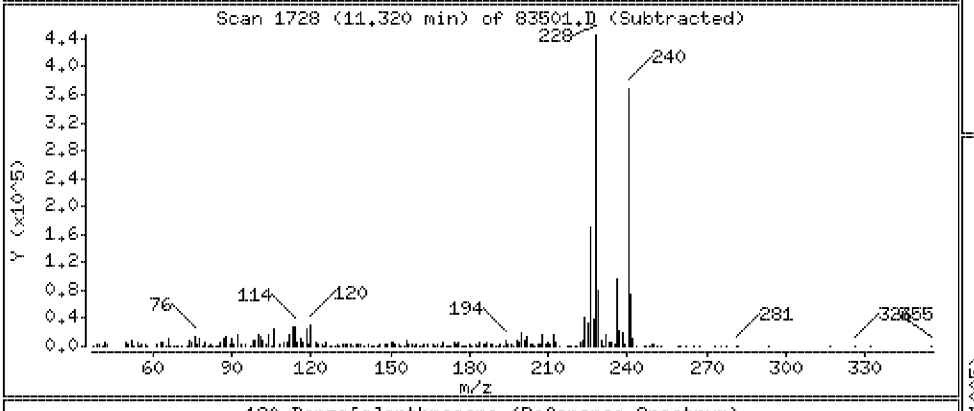
Column phase: HPMS-5

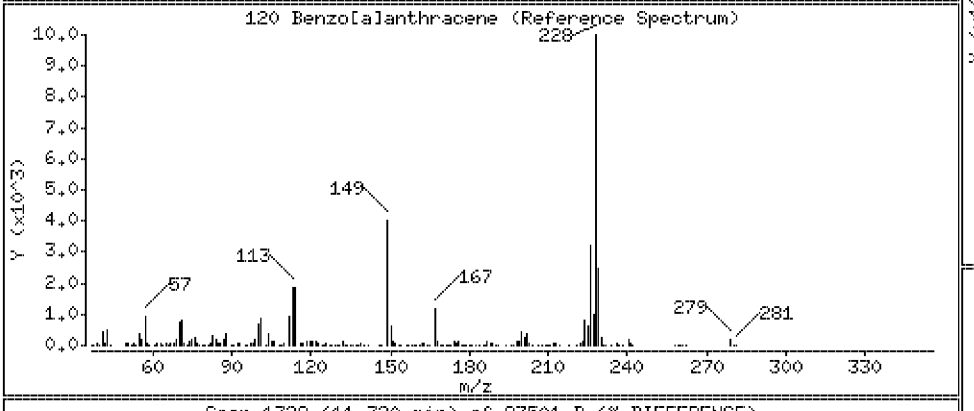
Column diameter: 0.25

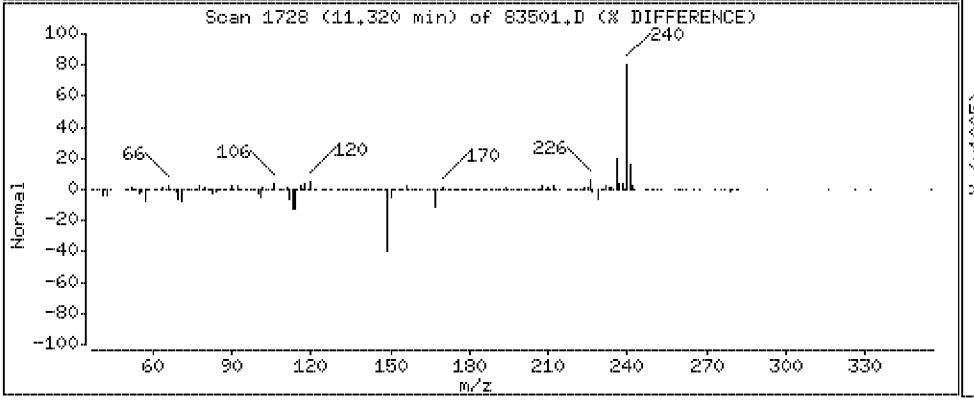
120 Benzo[a]anthracene

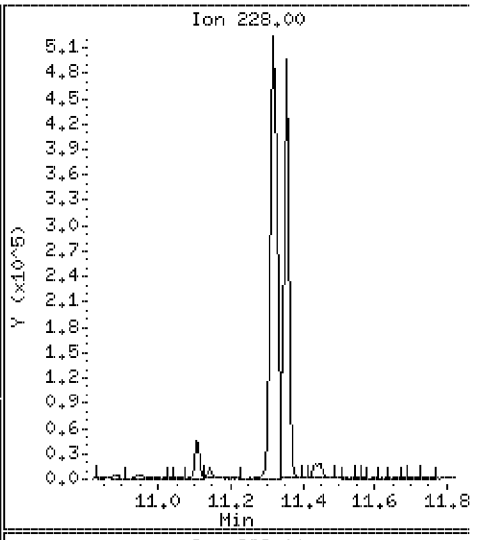
Concentration: 7390 ug/kg

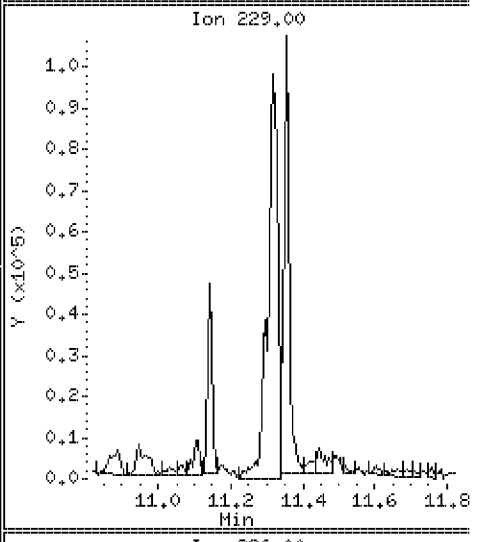


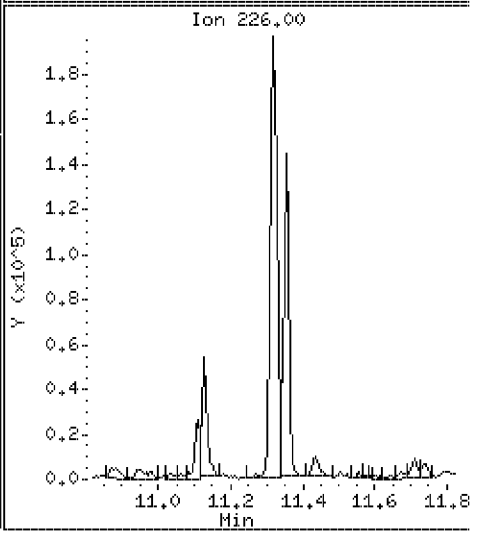












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

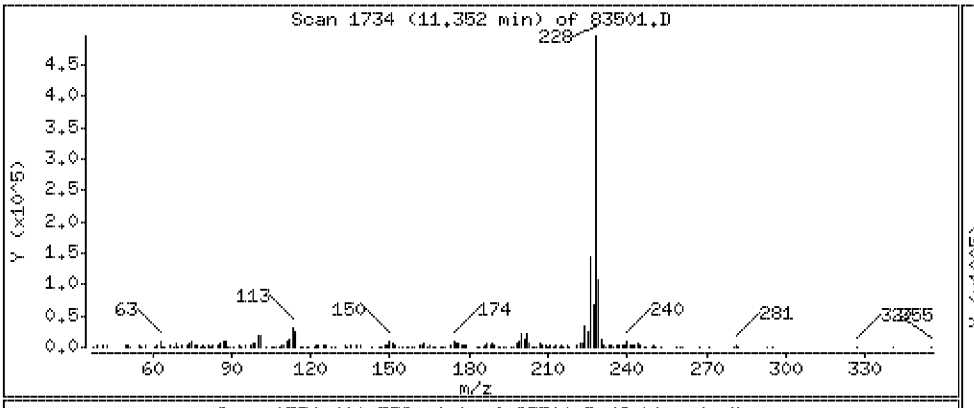
Operator: PEL

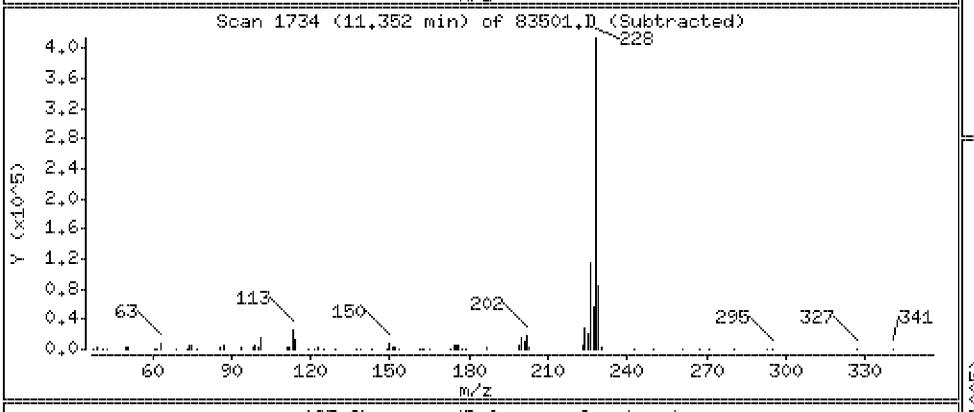
Column phase: HPMS-5

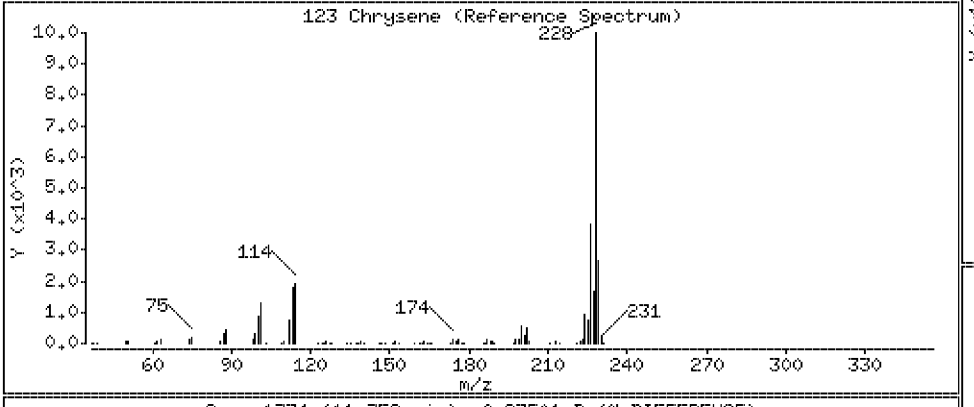
Column diameter: 0.25

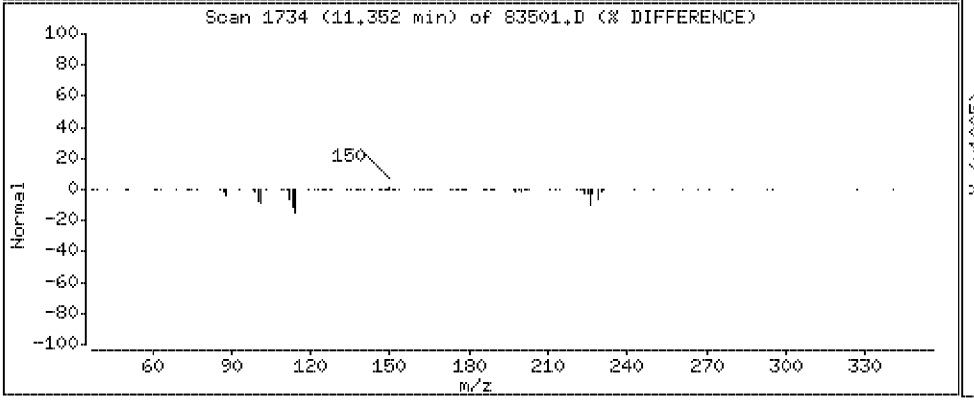
123 Chrysene

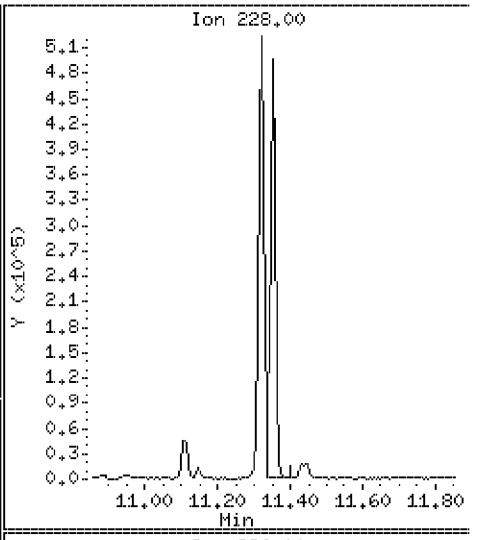
Concentration: 7300 ug/kg

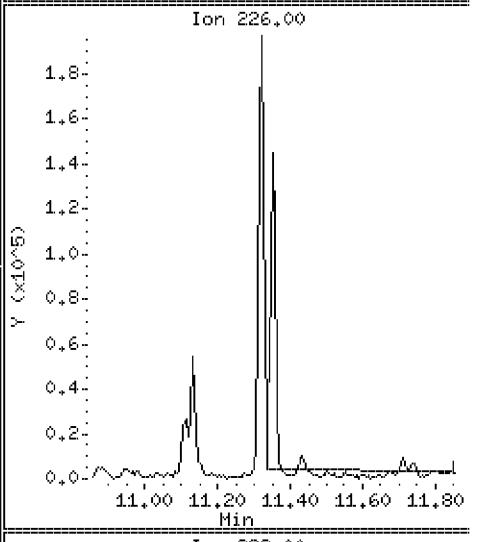


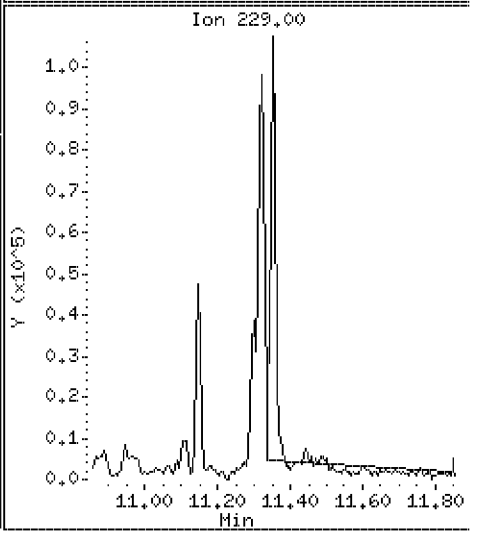












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

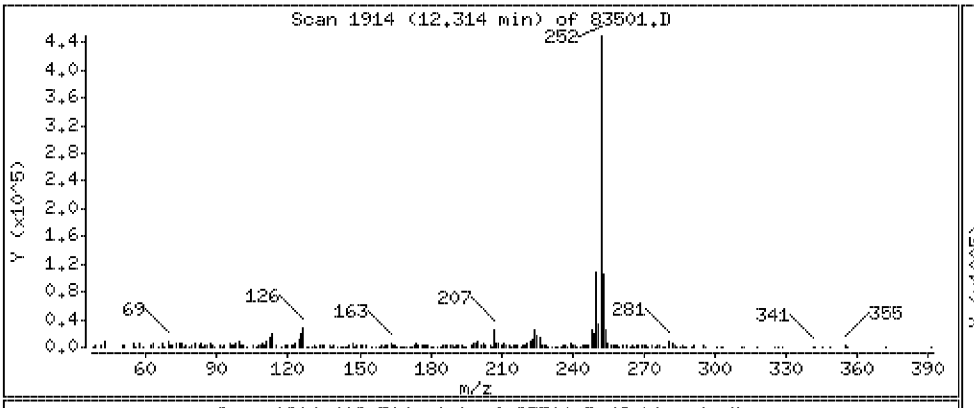
Operator: PEL

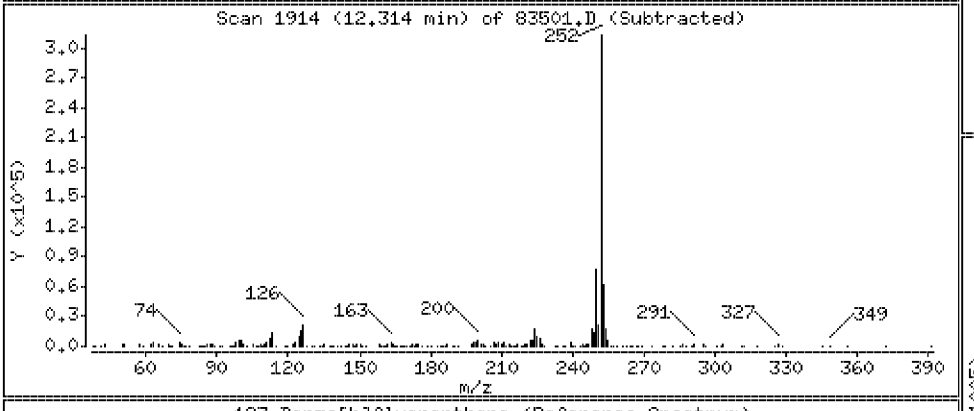
Column phase: HPMS-5

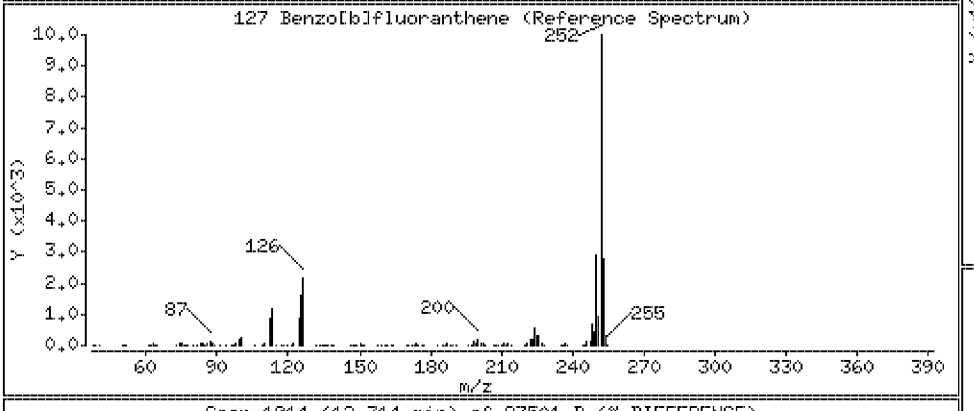
Column diameter: 0.25

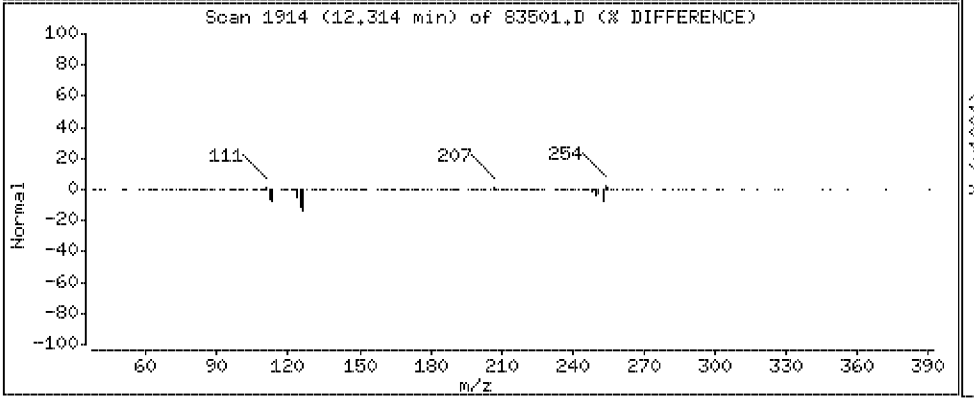
127 Benzo[b]fluoranthene

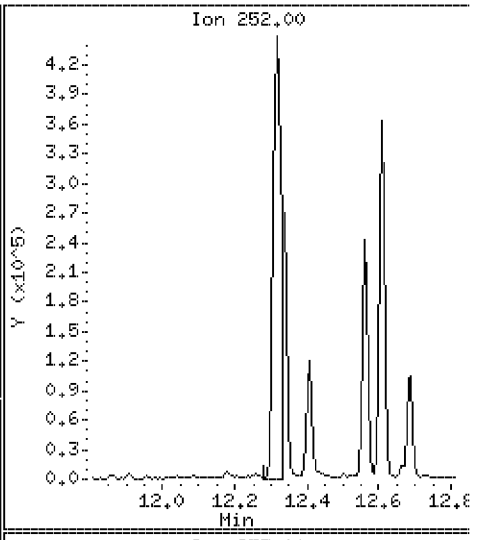
Concentration: 7130 ug/kg

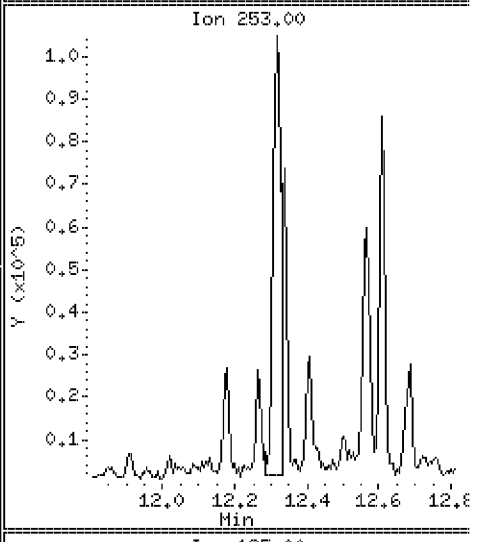


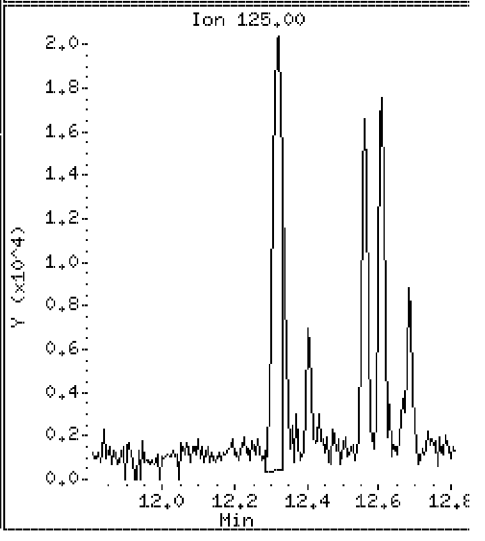












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

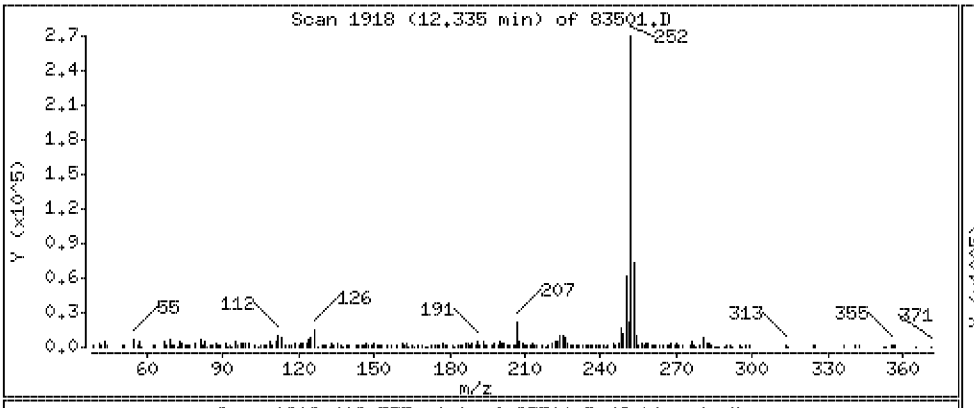
Operator: PEL

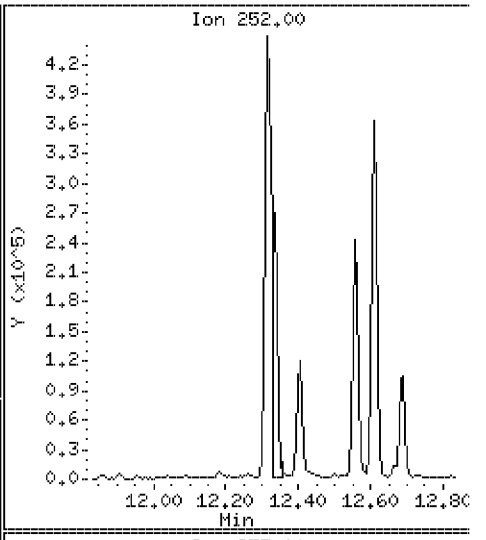
Column phase: HPMS-5

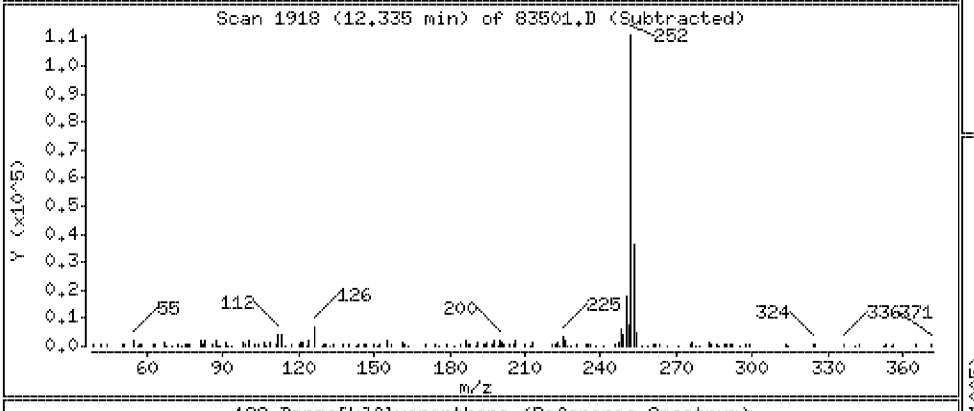
Column diameter: 0.25

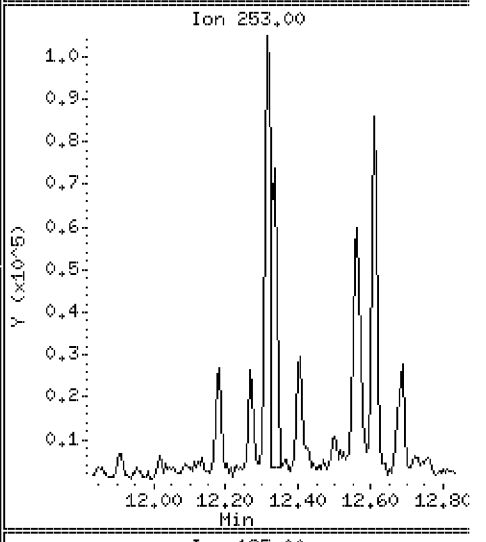
128 Benzo[k]fluoranthene

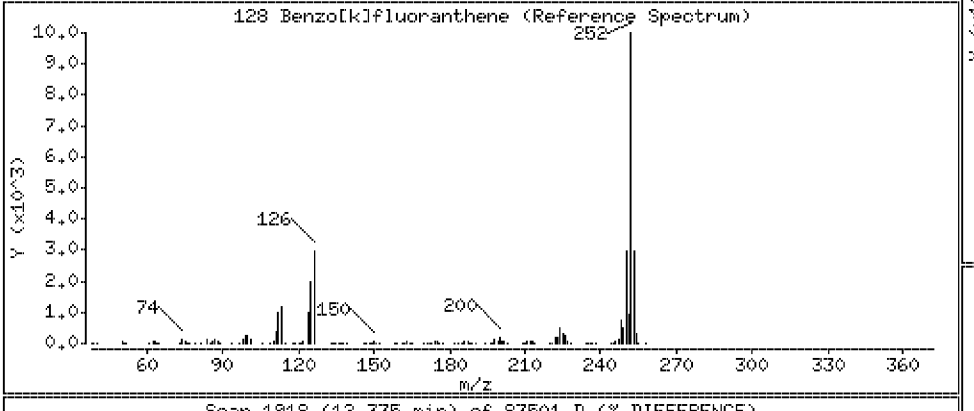
Concentration: 3050 ug/kg

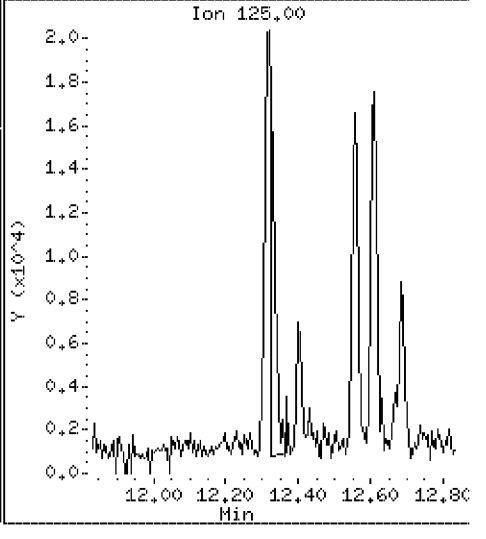


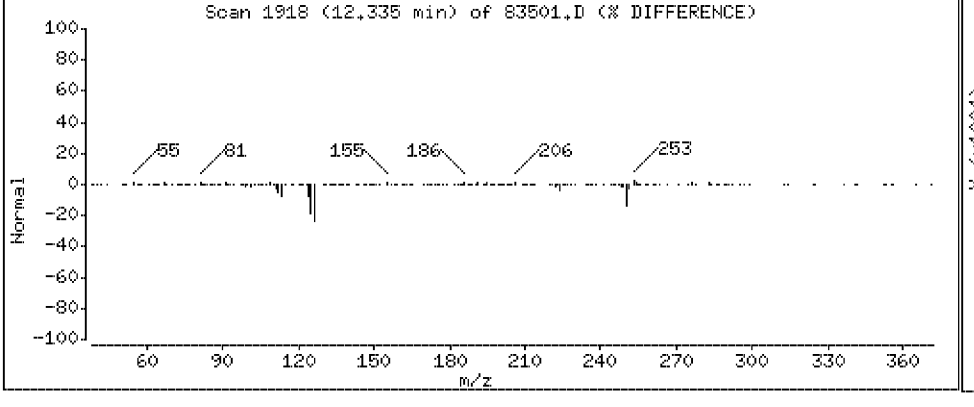












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

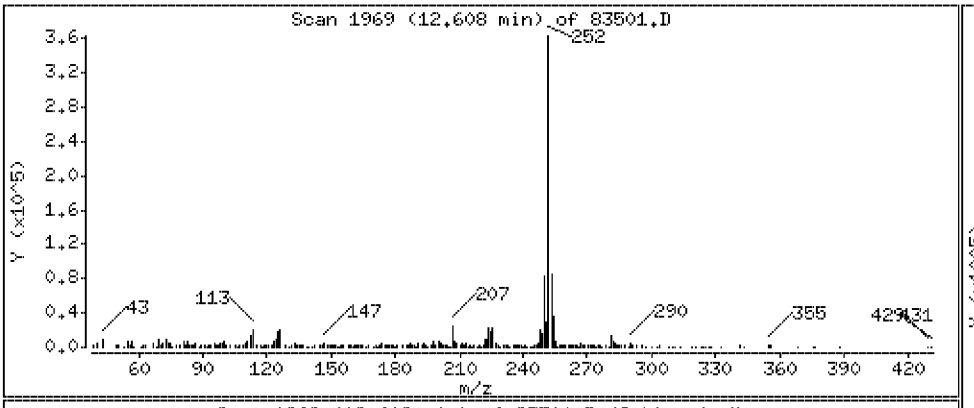
Operator: PEL

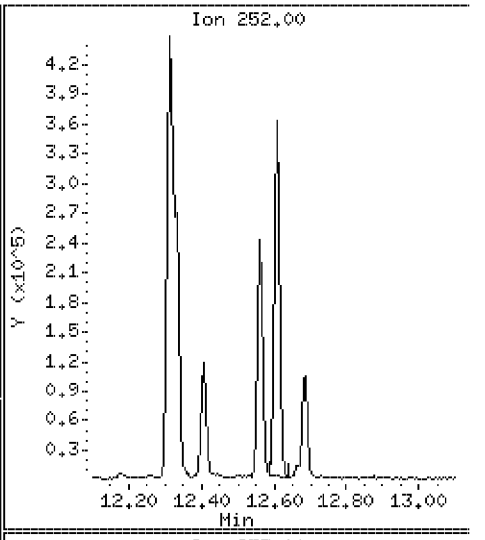
Column phase: HPMS-5

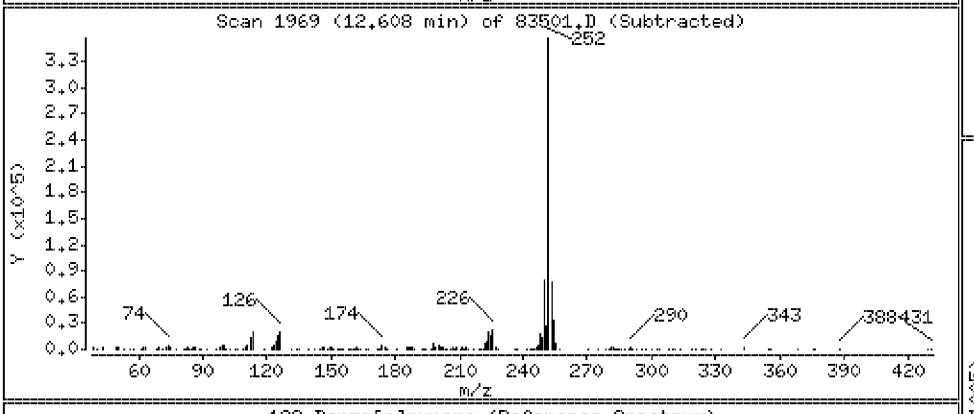
Column diameter: 0.25

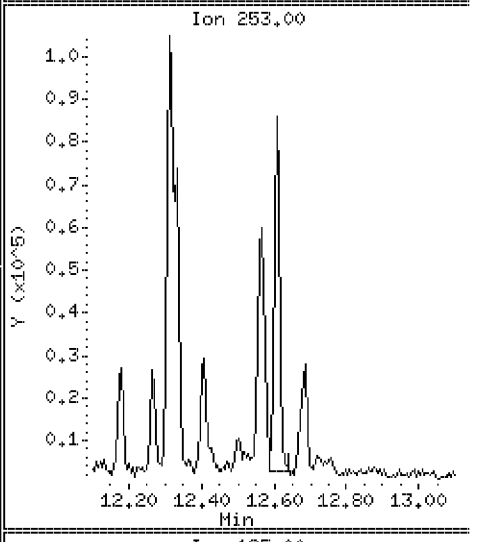
129 Benzo[a]pyrene

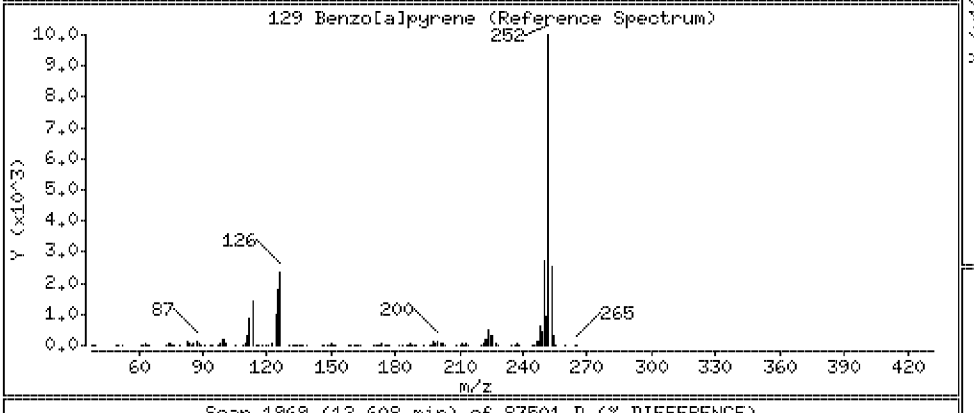
Concentration: 4520 ug/kg

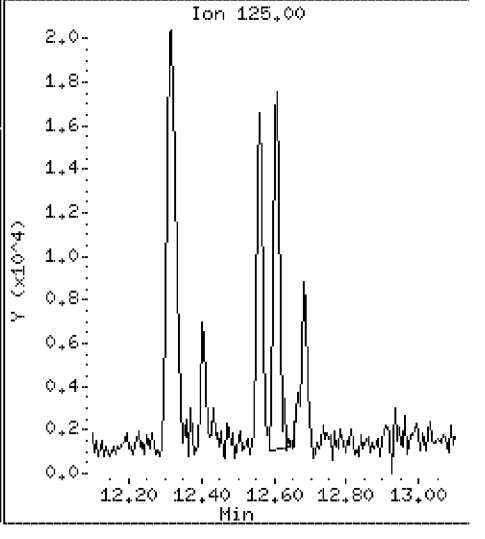


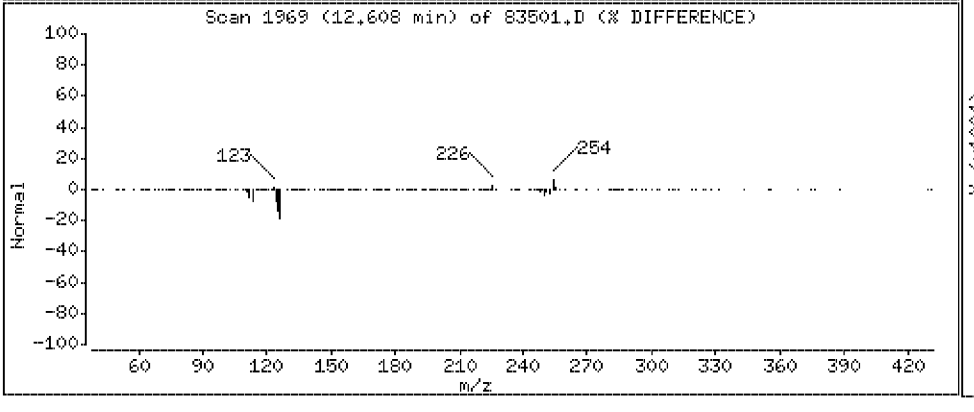












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

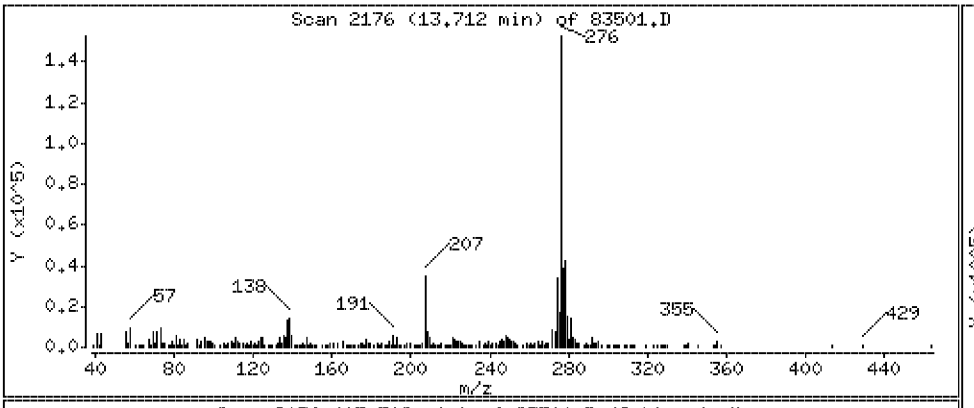
Operator: PEL

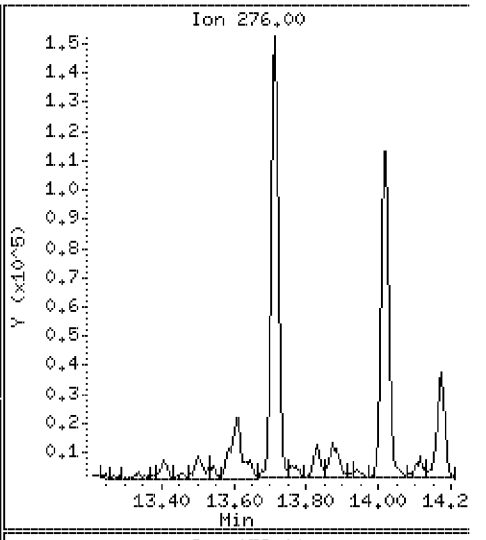
Column phase: HPMS-5

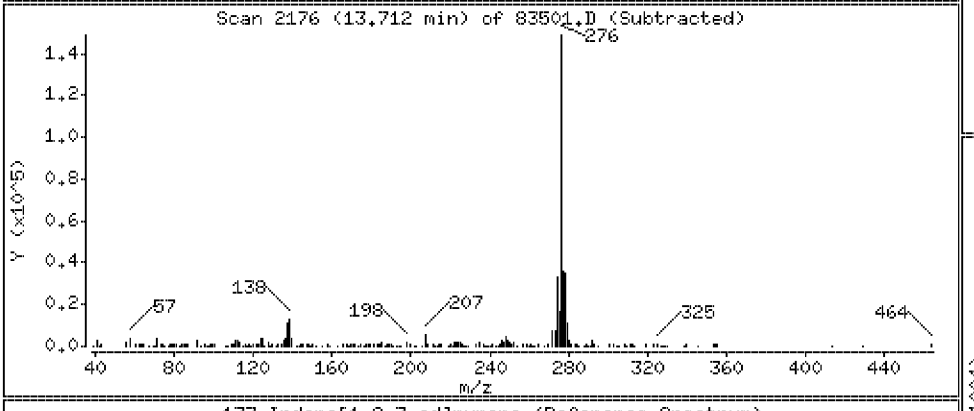
Column diameter: 0.25

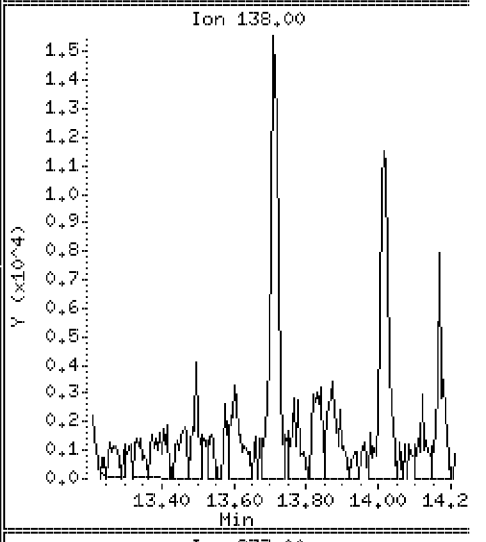
133 Indeno[1,2,3-cd]pyrene

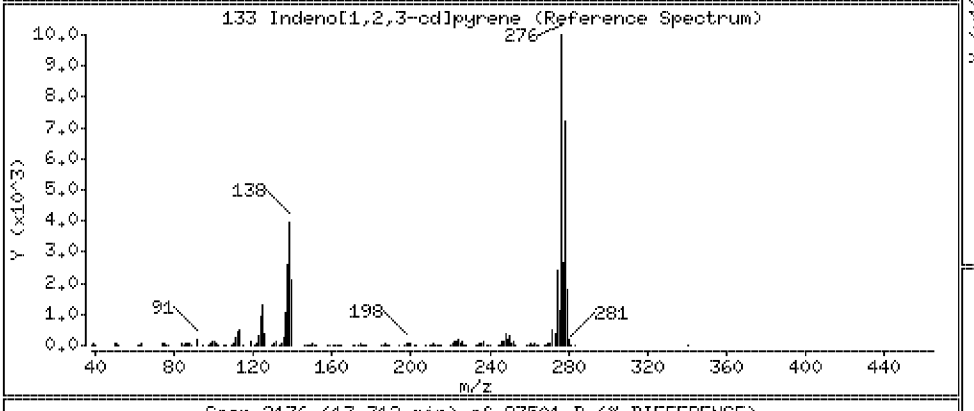
Concentration: 2070 ug/kg

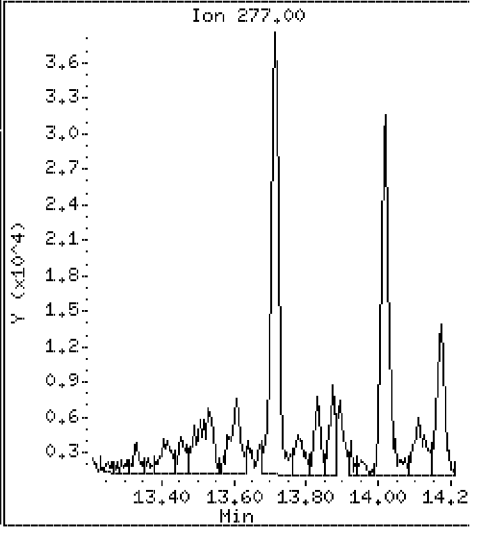


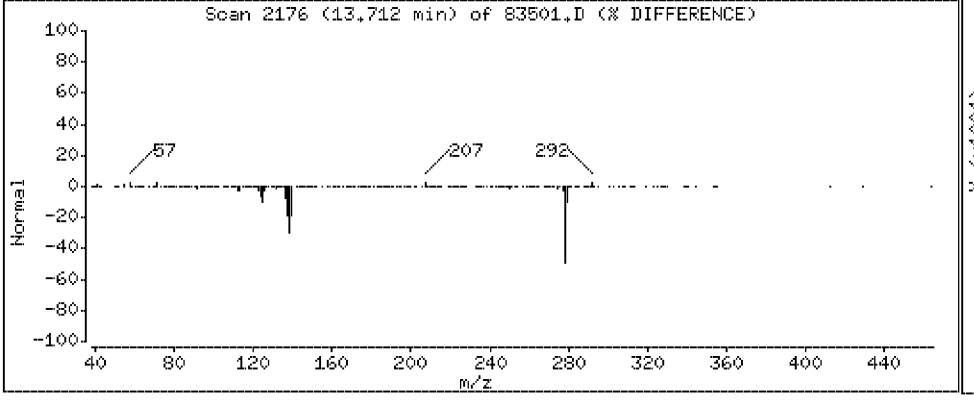












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83501.D

Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

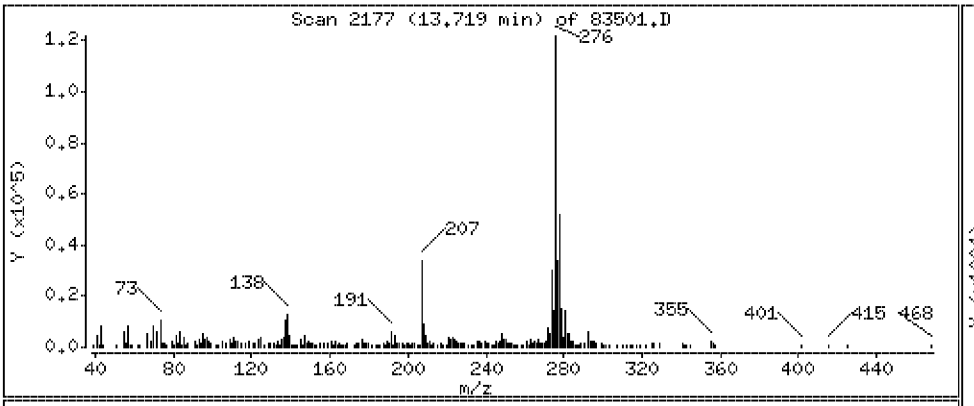
Operator: PEL

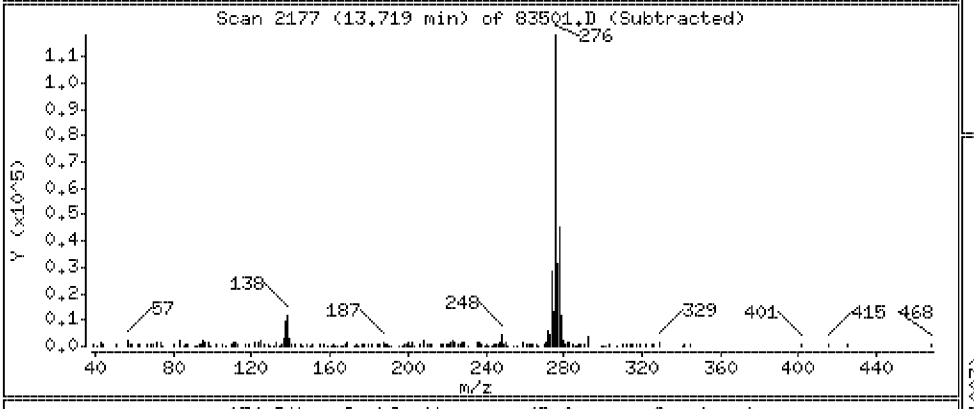
Column phase: HPMS-5

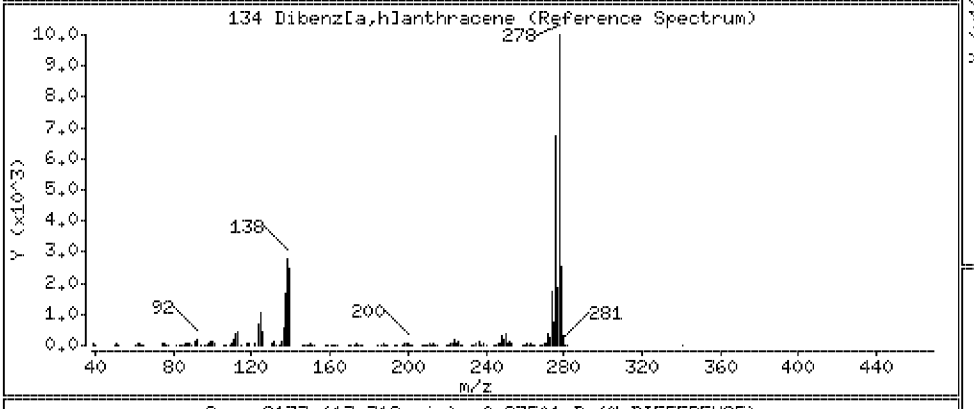
Column diameter: 0.25

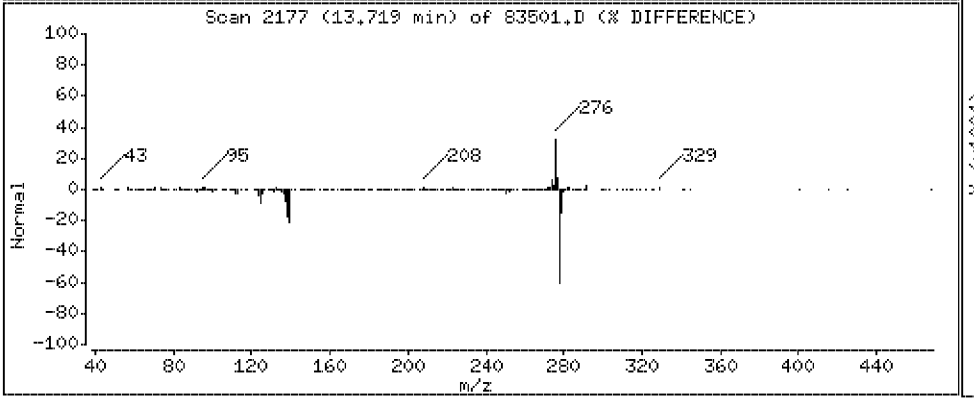
134 Dibenz[a,h]anthracene

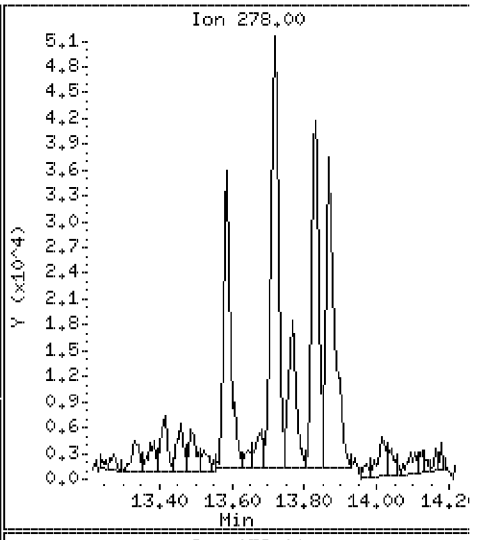
Concentration: 818 ug/kg

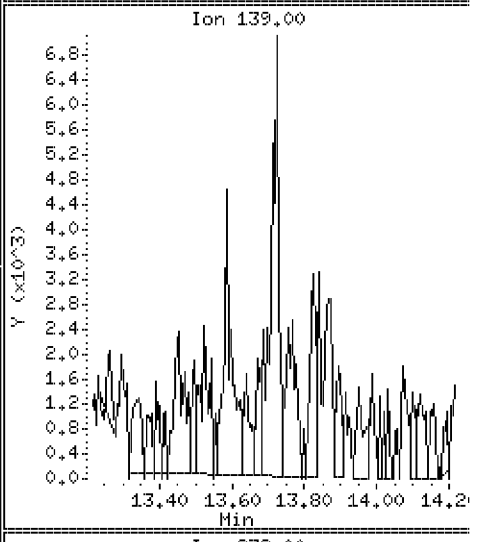


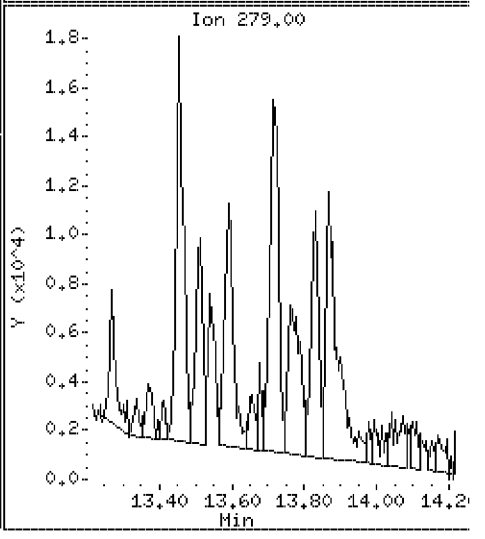












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Date : 26-APR-2012 15:30

Client ID: EPAFMC-SD-01

Instrument: smsd03.i

Sample Info: sw350583501

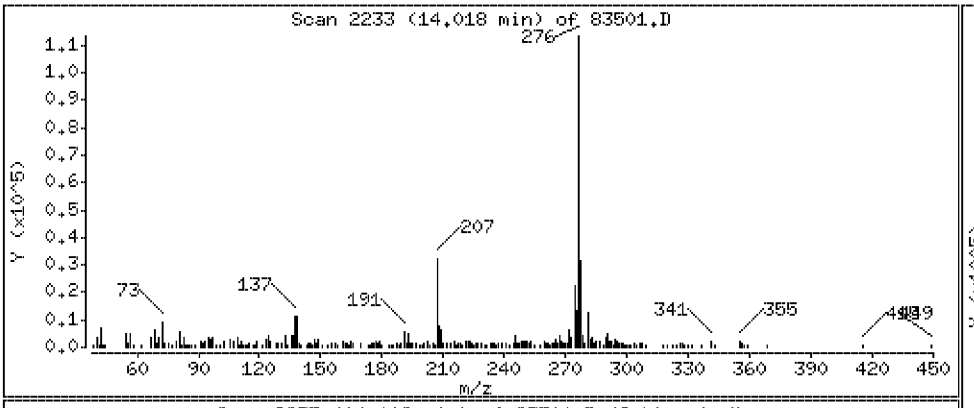
Operator: PEL

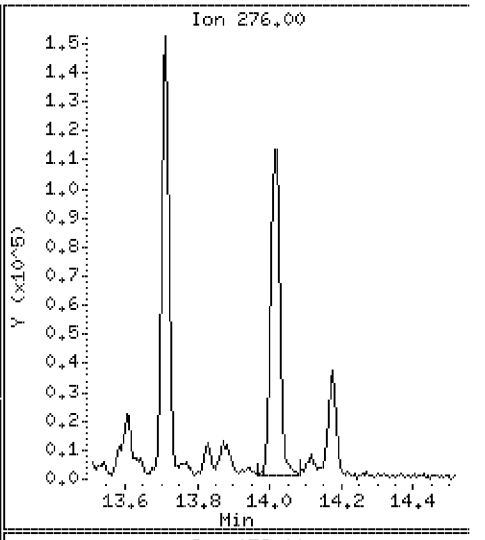
Column phase: HPMS-5

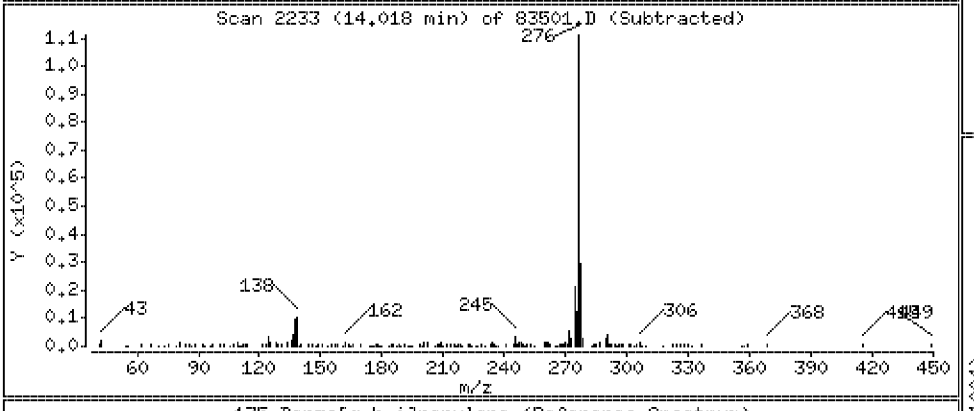
Column diameter: 0.25

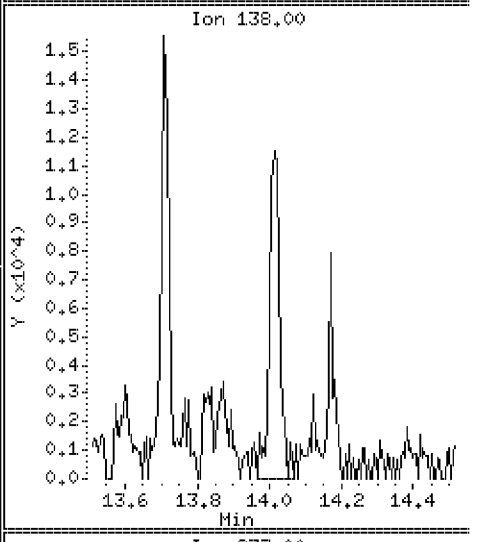
135 Benzo[g,h,i]perylene

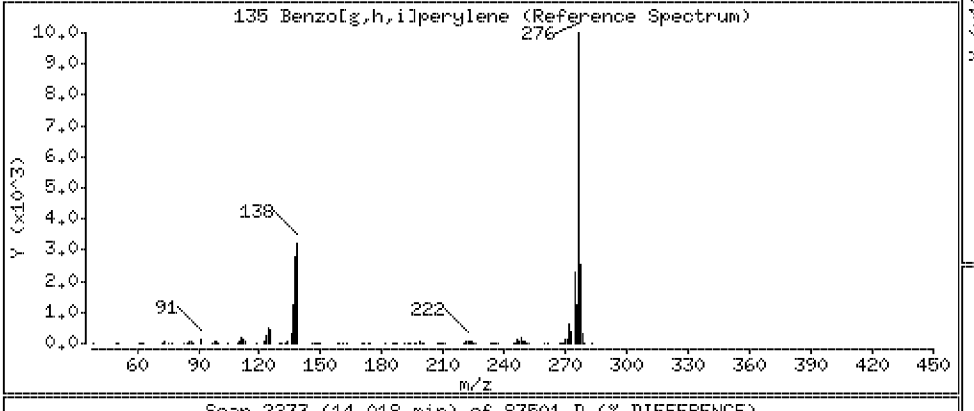
Concentration: 2220 ug/kg

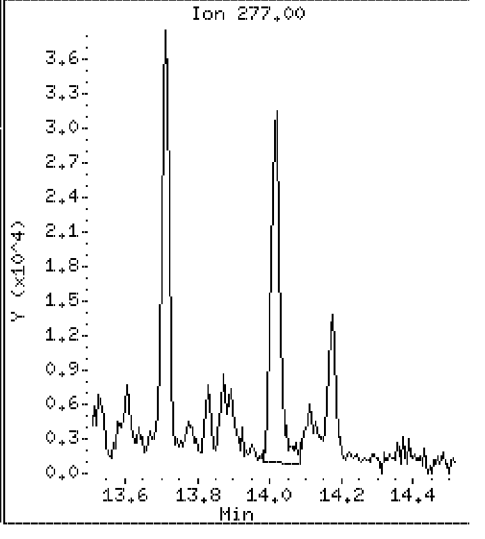


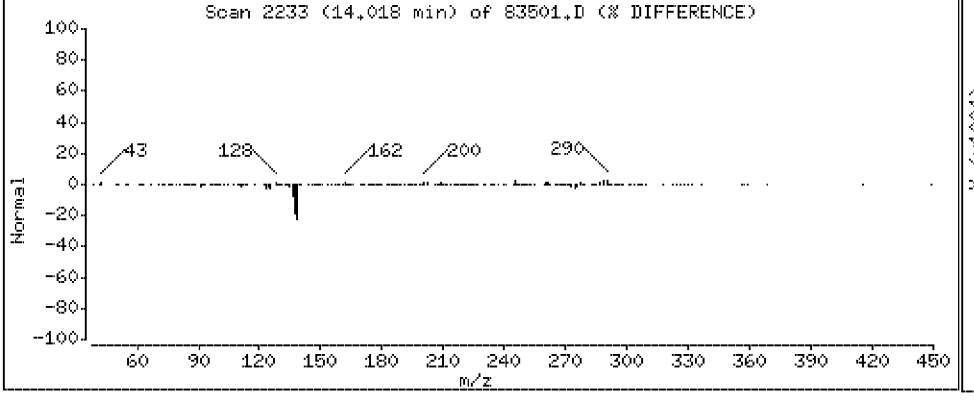












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D
Lab Smp Id: 350583504 Client Smp ID: EPAFMC-SD-04
Inj Date : 26-APR-2012 16:42 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583504
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.230	Weight of sample extracted (g)
M	38.000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

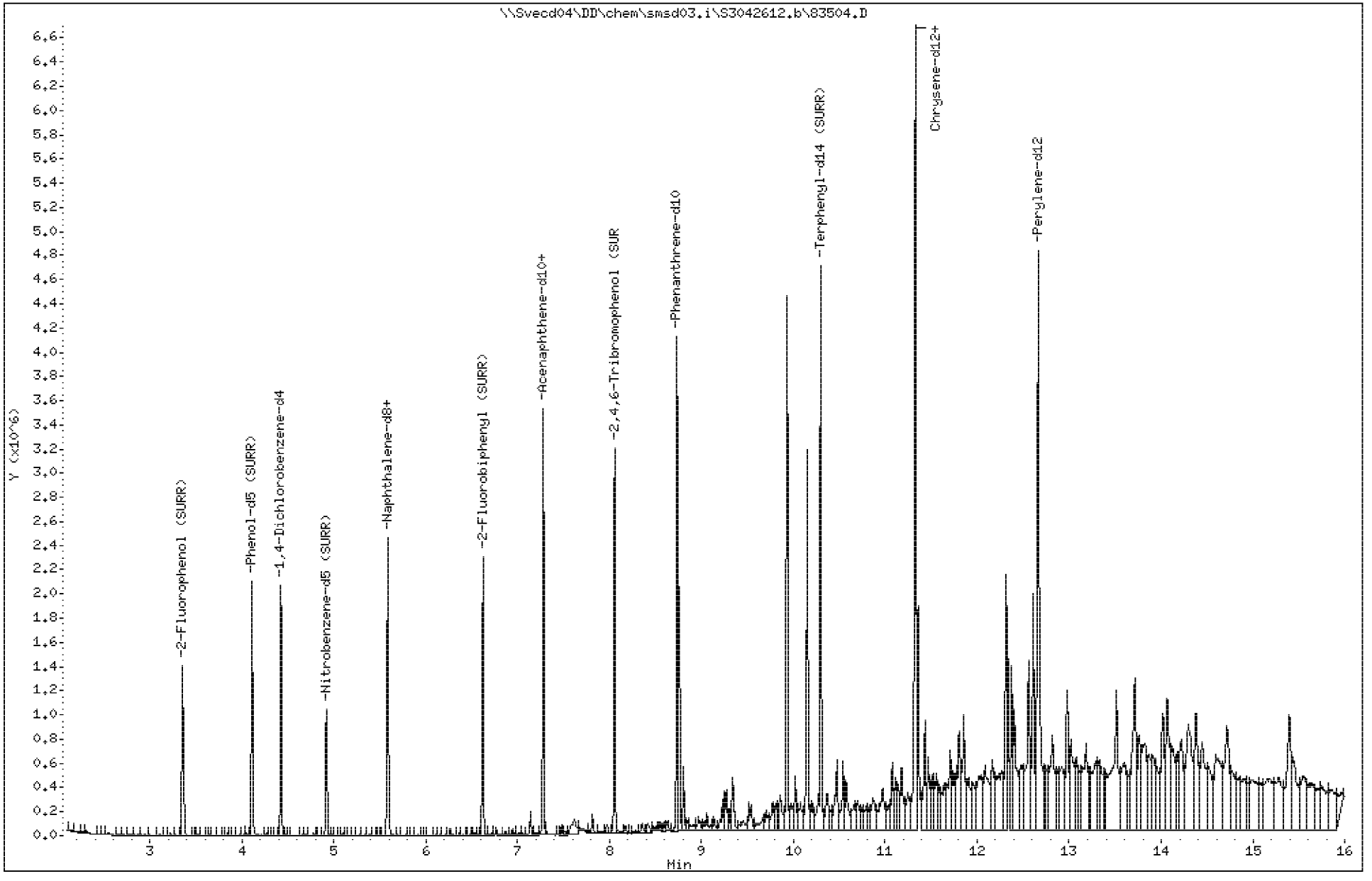
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.424	4.423	(1.000)	152	307617	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	188108			33.39- 93.39	61.15
4.424	4.423	(1.000)	150	464317			121.52- 181.52	150.94
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	998722	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	53935			0.00- 35.32	5.40
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	725044	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	690007			66.43- 126.43	95.17
7.279	7.278	(1.000)	160	322664			14.76- 74.76	44.50
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.734	8.734	(1.000)	188	1441758	40.0000		80.00- 120.00	100.00
8.734	8.734	(1.000)	94	90869			0.00- 36.17	6.30
8.733	8.734	(1.000)	80	110693			0.00- 38.16	7.68
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.331	11.327	(1.000)	240	2020820	40.0000		80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.329	11.327	(1.000)	120	120682			0.00- 35.19	5.97
11.331	11.327	(1.000)	236	536316			0.00- 56.66	26.54
* 130 Perylene-d12						CAS #: 1520-96-3		
12.663	12.650	(1.000)	264	1942639	40.0000		80.00- 120.00	100.00
12.663	12.650	(1.000)	260	474074			0.00- 54.55	24.40
12.663	12.650	(1.000)	265	460172			0.00- 53.02	23.69

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D
Date : 26-APR-2012 16:42
Client ID: EPAFMC-SD-04
Sample Info: sw350583504

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2342



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

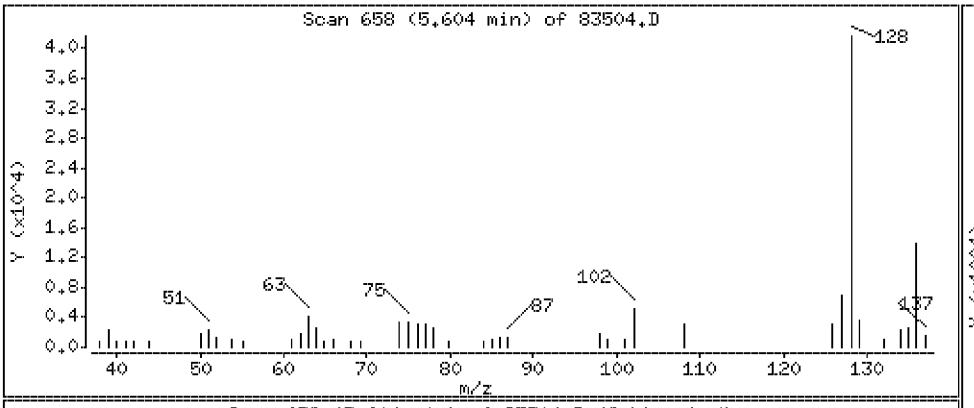
Operator: PEL

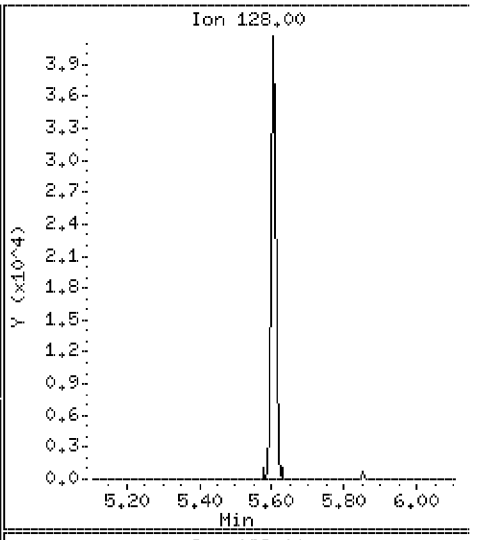
Column phase: HPMS-5

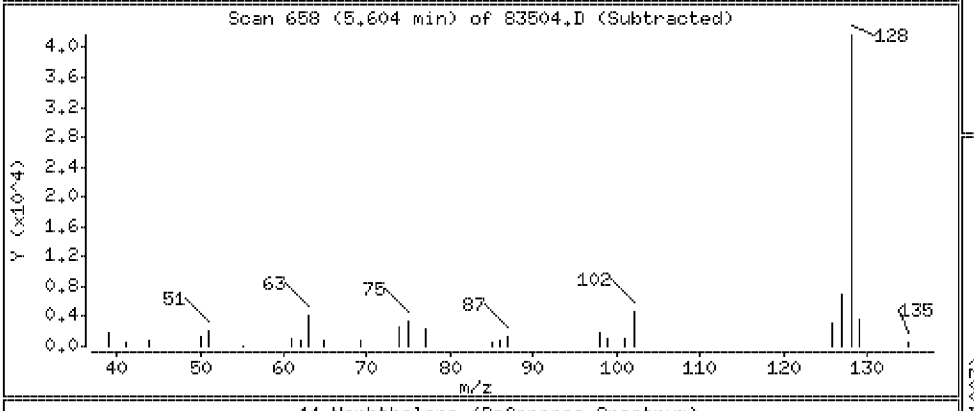
Column diameter: 0.25

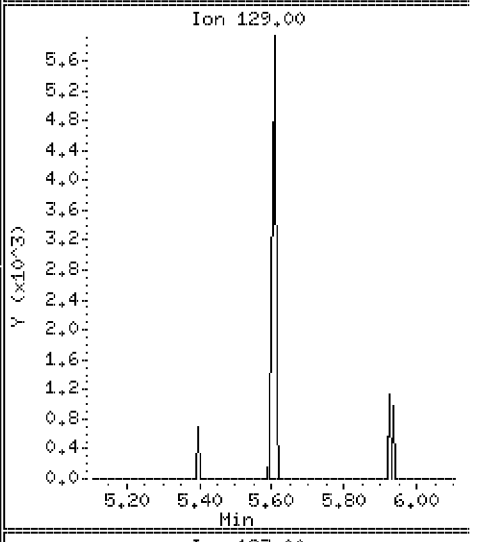
44 Naphthalene

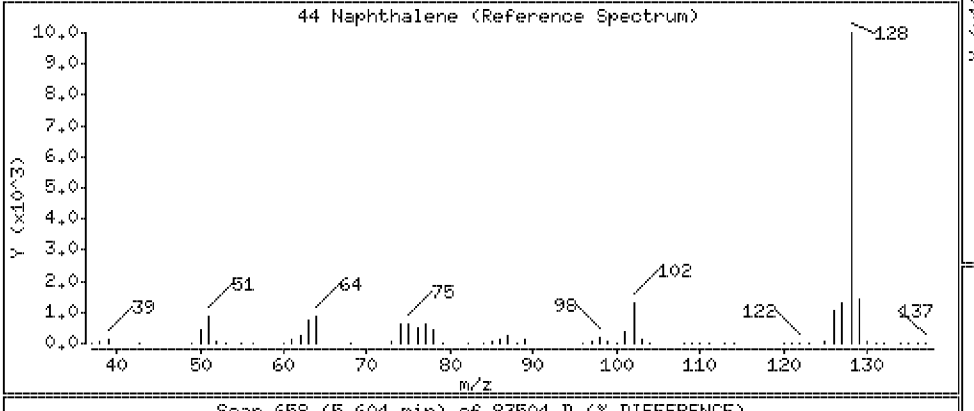
Concentration: 95.3 ug/kg

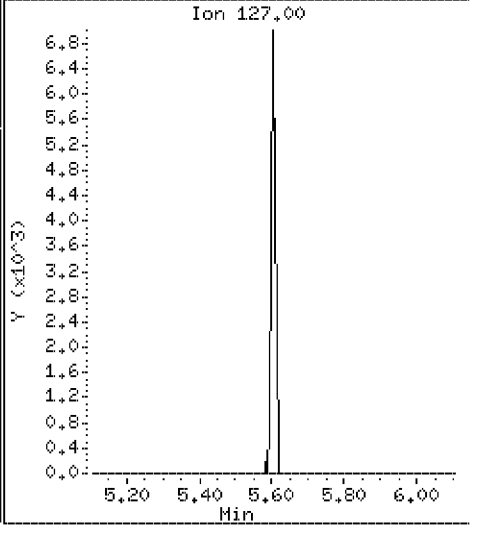


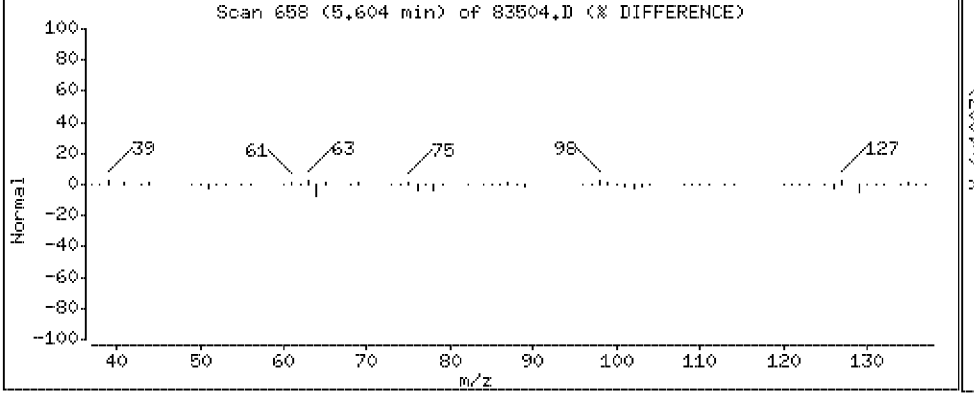












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

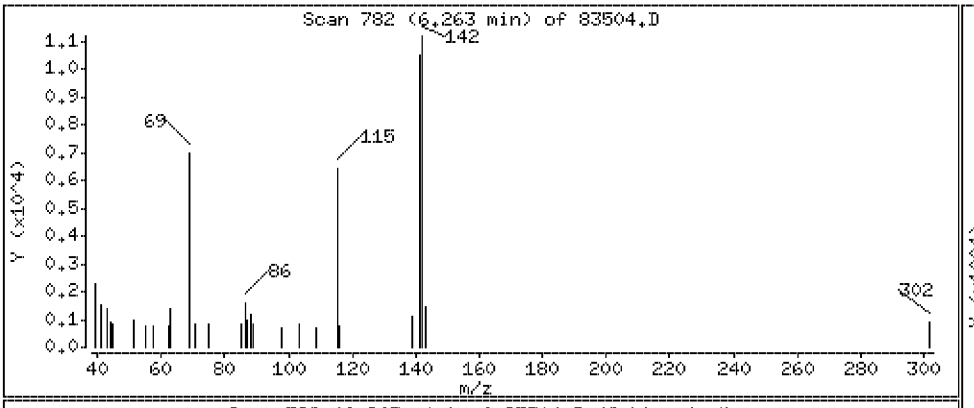
Operator: PEL

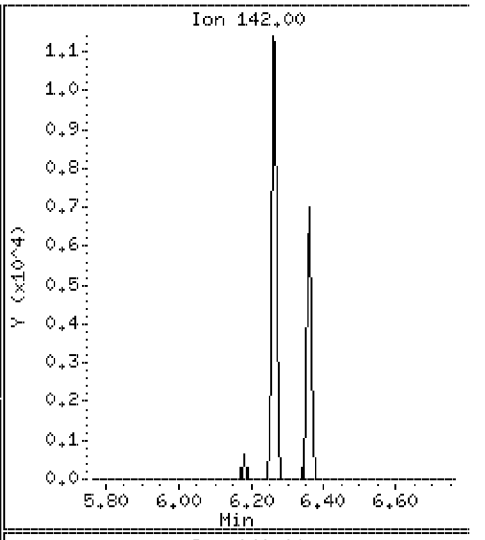
Column phase: HPMS-5

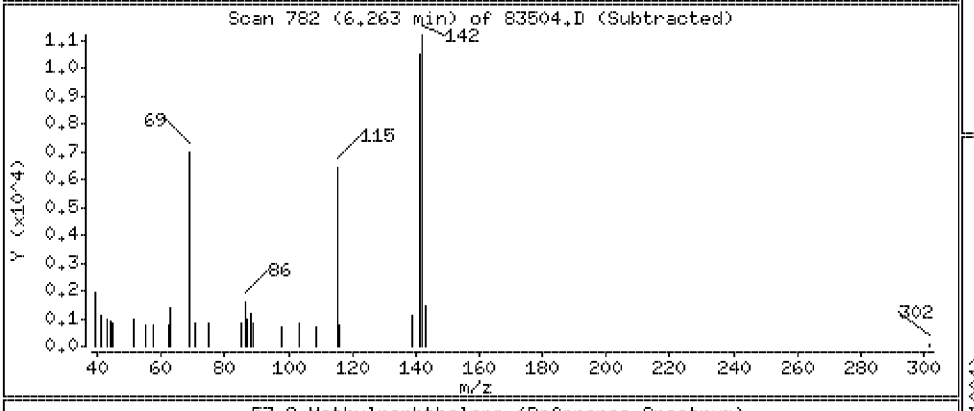
Column diameter: 0.25

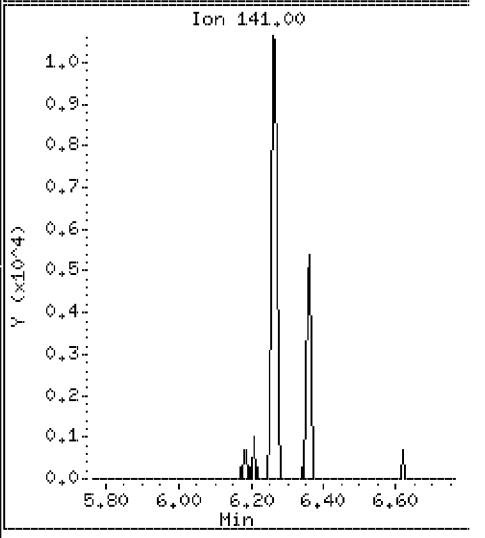
53 2-Methylnaphthalene

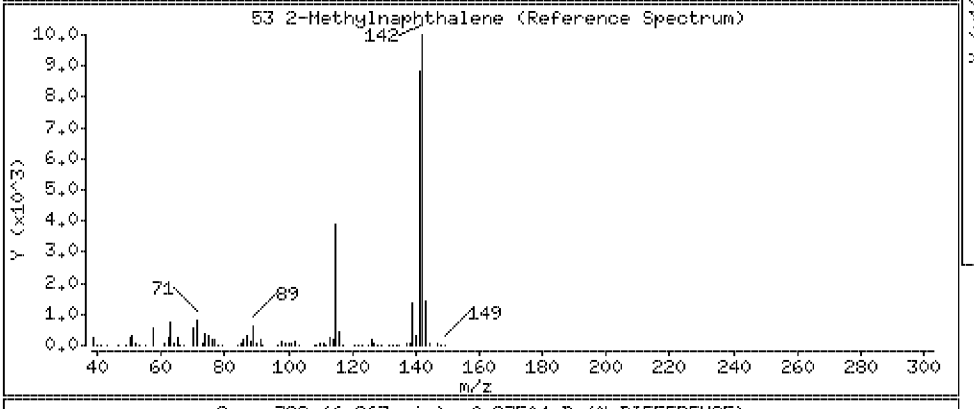
Concentration: 36.3 ug/kg

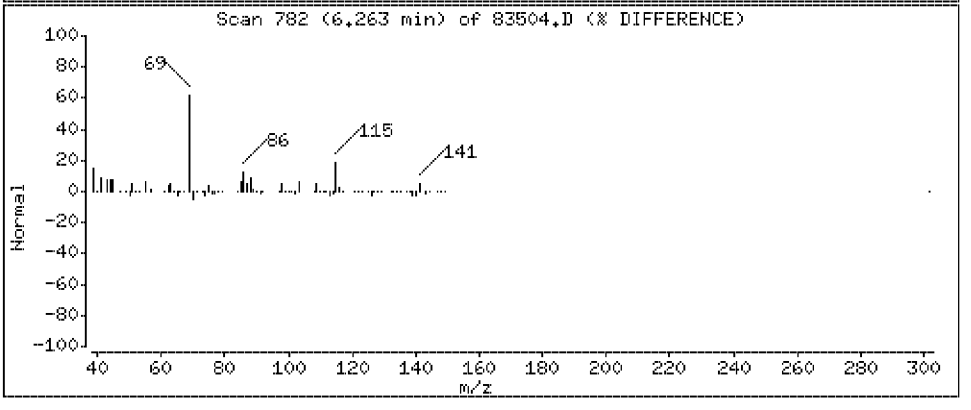












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

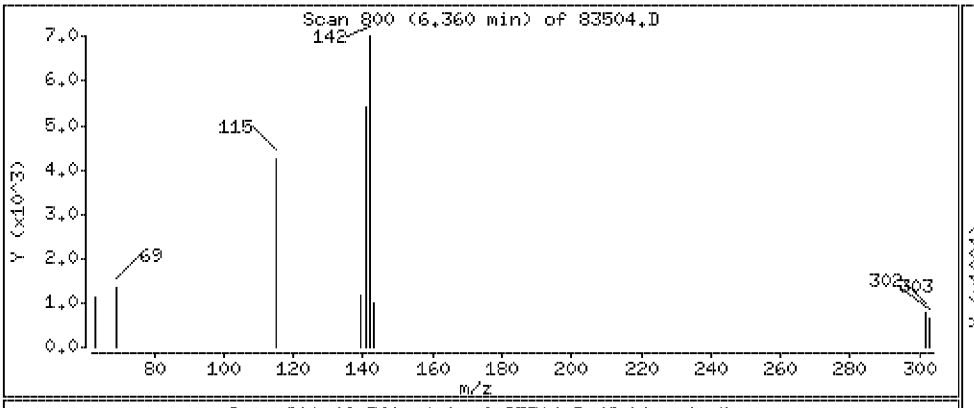
Operator: PEL

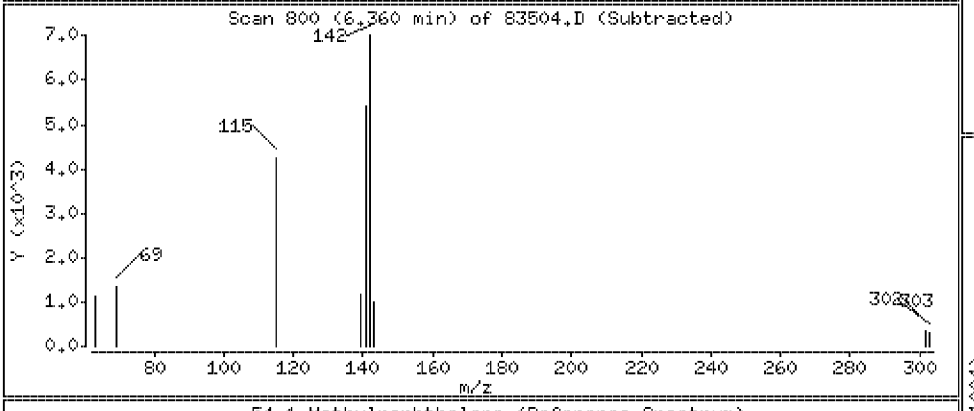
Column phase: HPMS-5

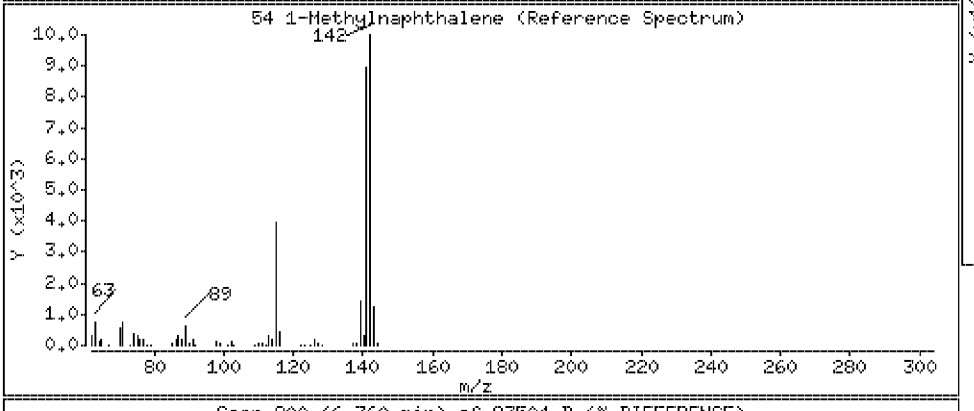
Column diameter: 0.25

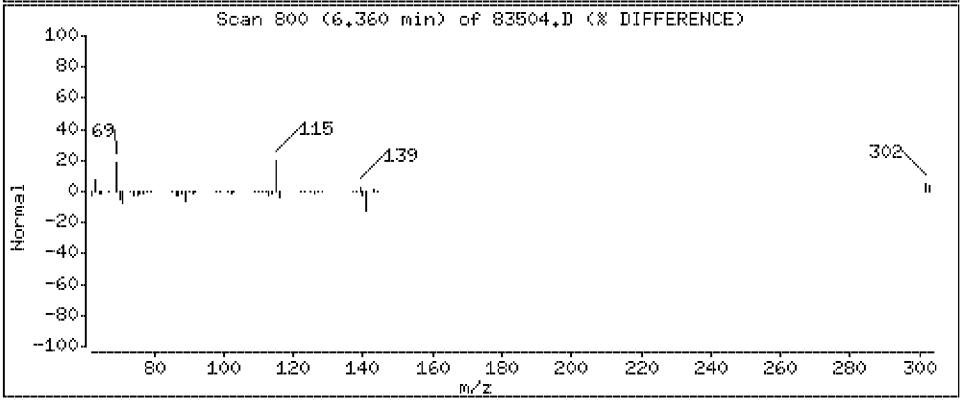
54 1-Methylnaphthalene

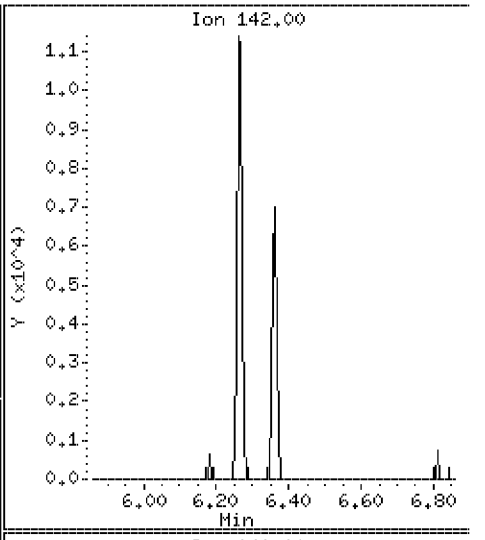
Concentration: 23.4 ug/kg

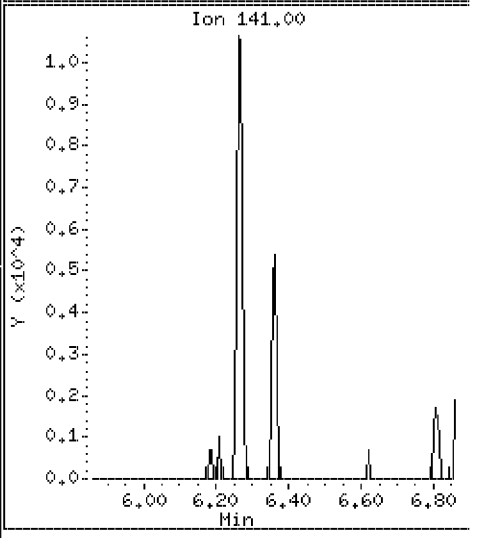












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

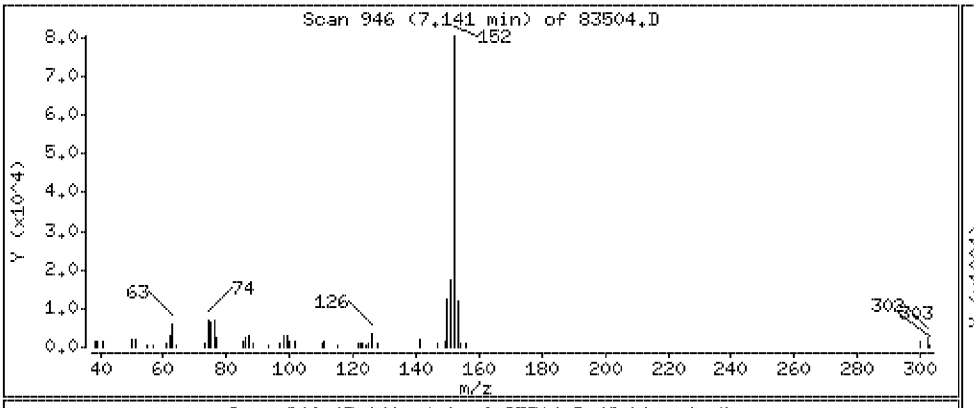
Operator: PEL

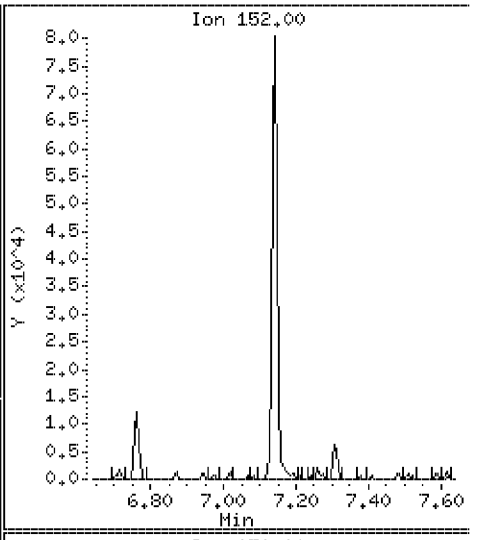
Column phase: HPMS-5

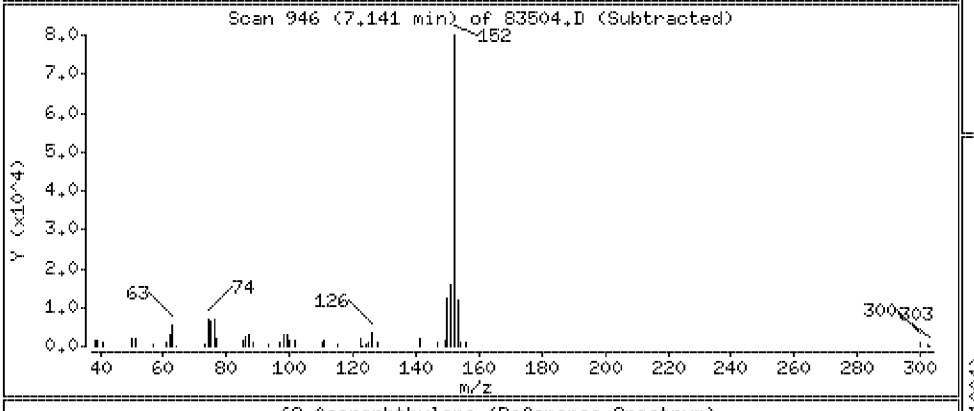
Column diameter: 0.25

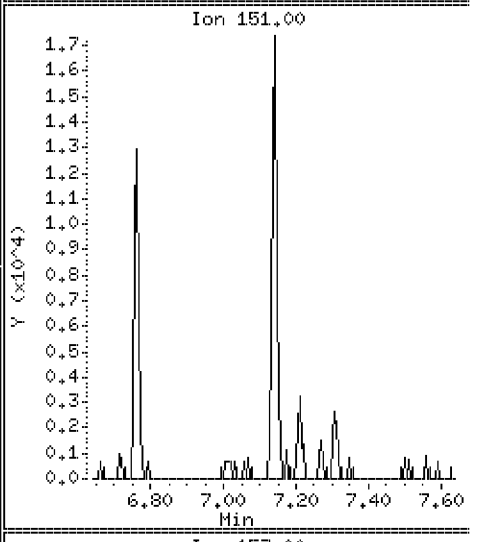
68 Acenaphthylene

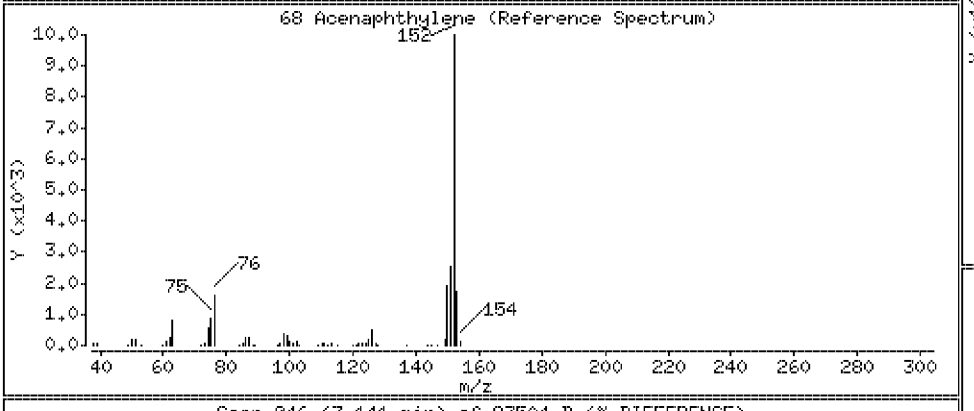
Concentration: 161 ug/kg

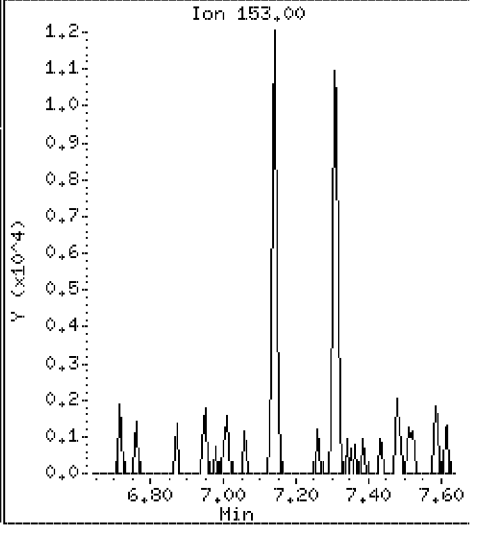


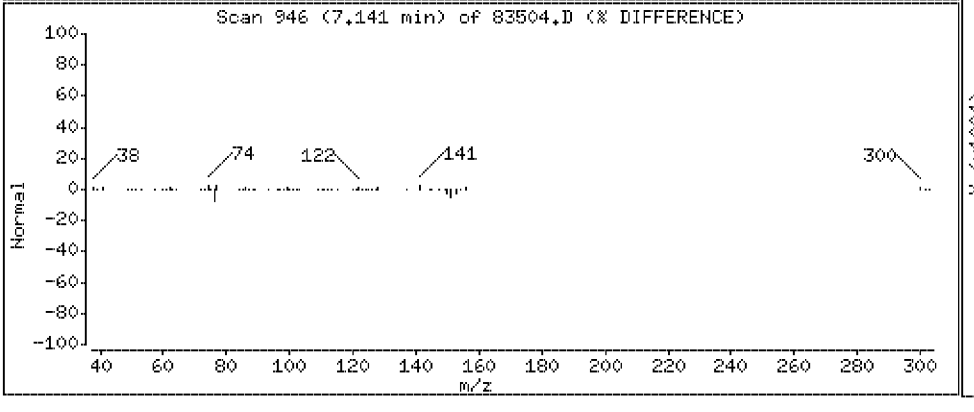












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

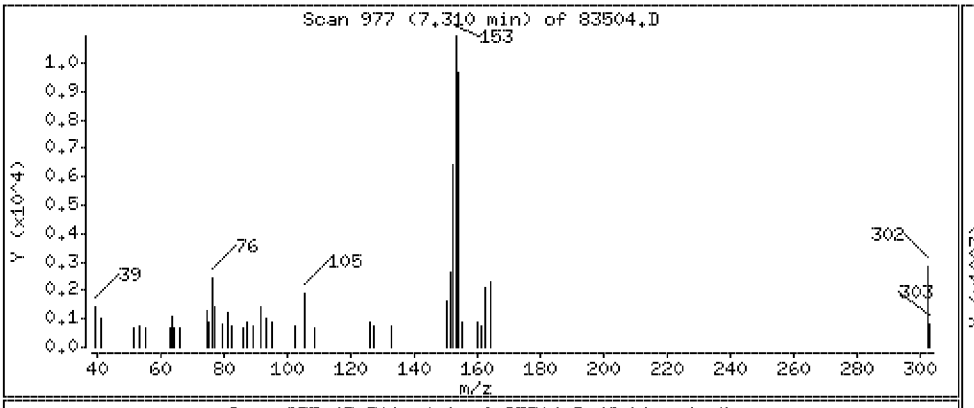
Operator: PEL

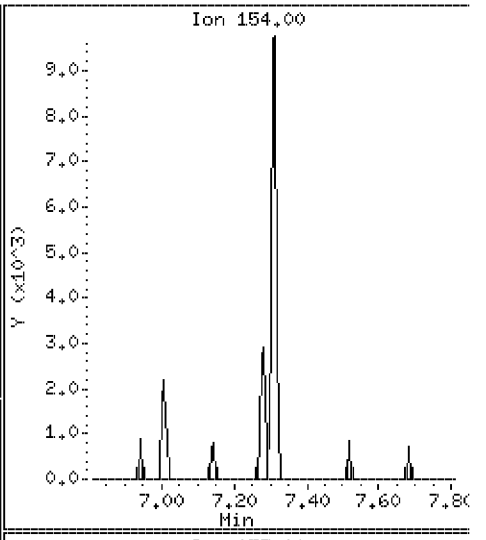
Column phase: HPMS-5

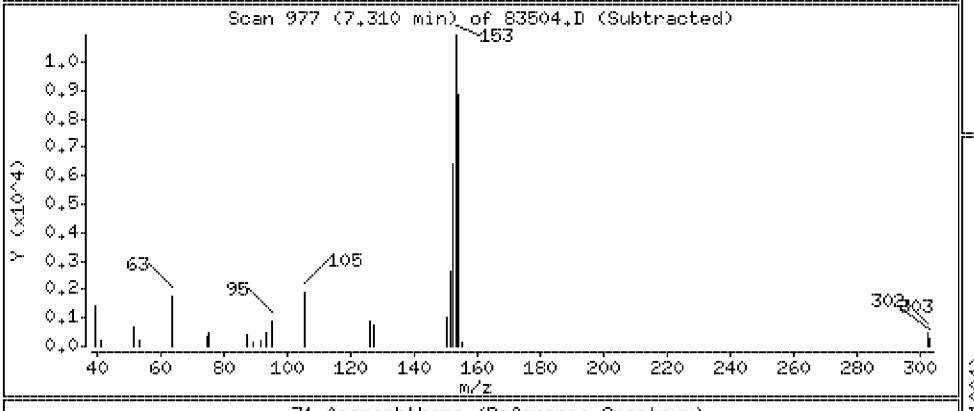
Column diameter: 0.25

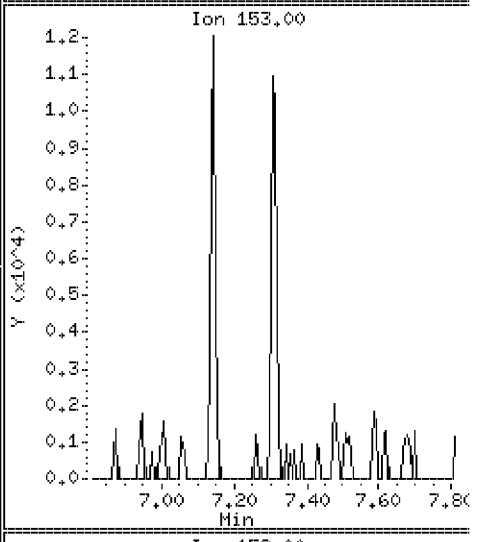
71 Acenaphthene

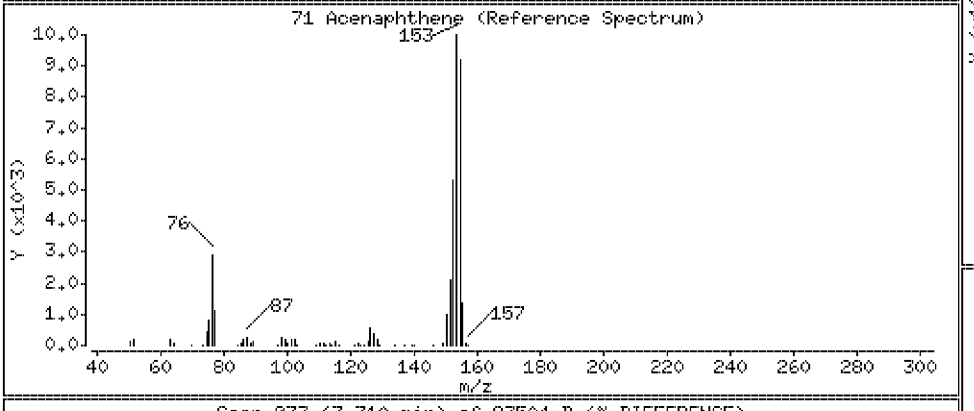
Concentration: 30.5 ug/kg

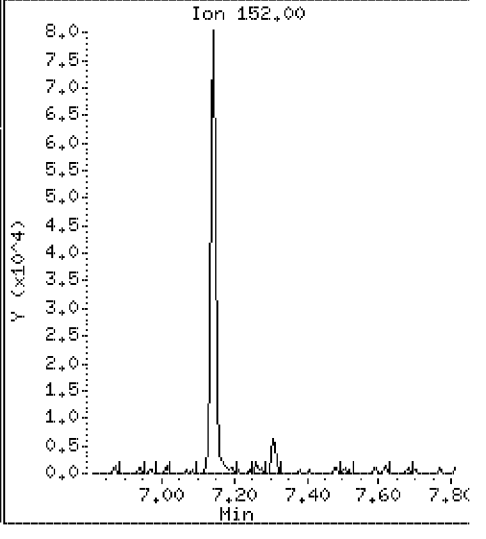


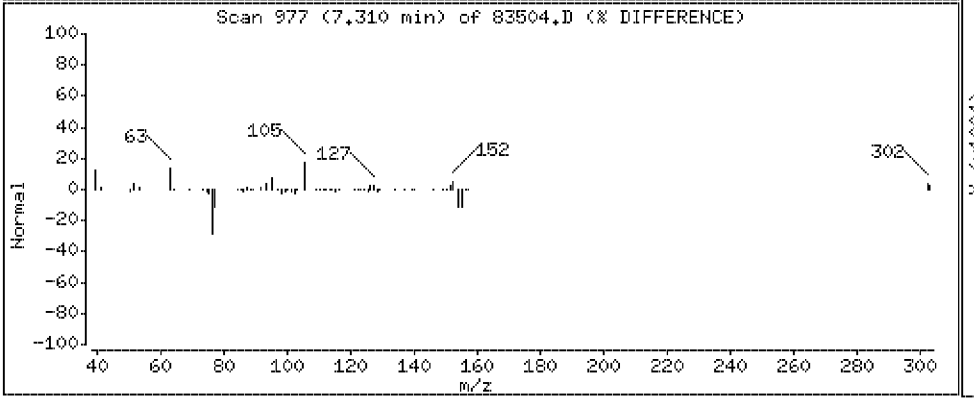












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

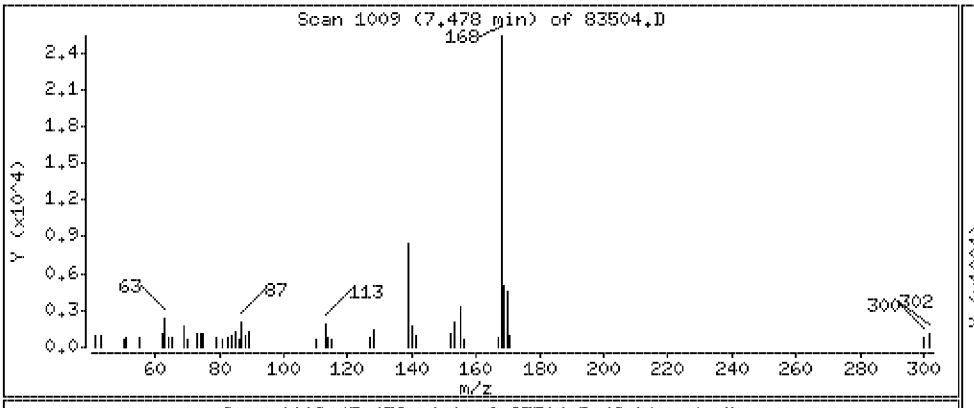
Operator: PEL

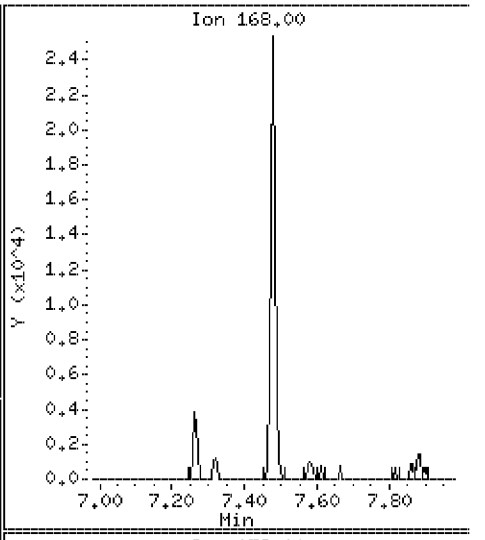
Column phase: HPMS-5

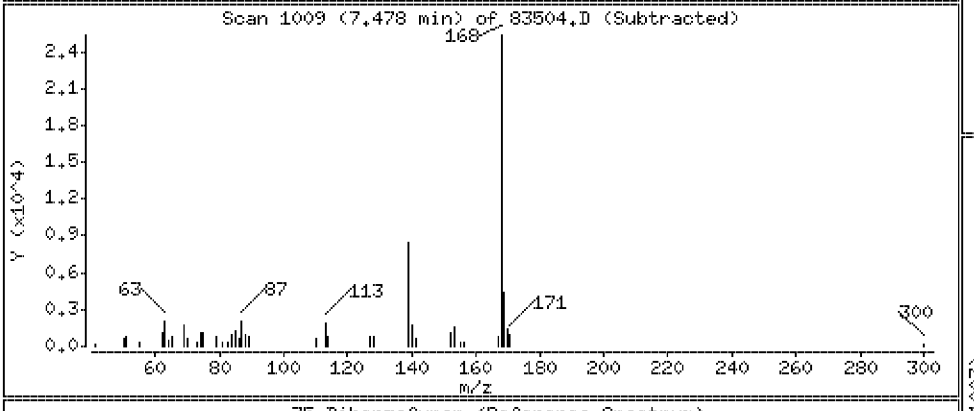
Column diameter: 0.25

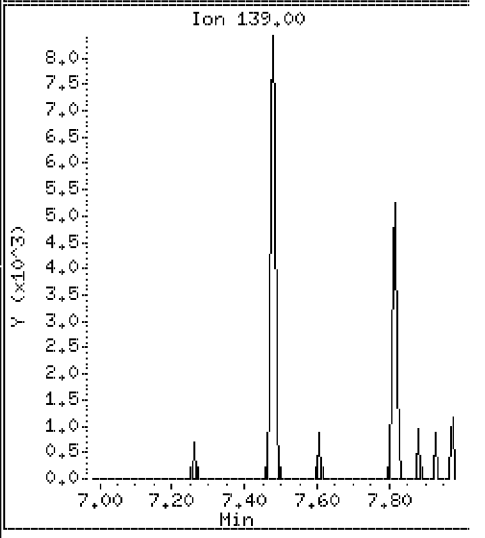
75 Dibenzofuran

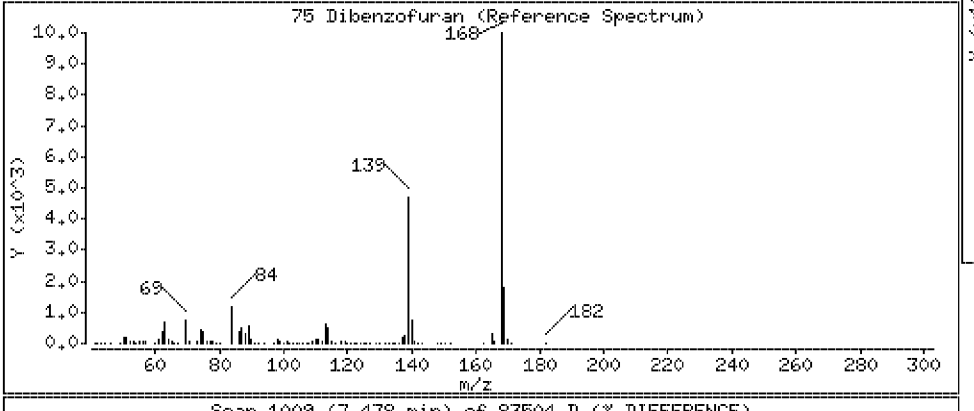
Concentration: 45.2 ug/kg

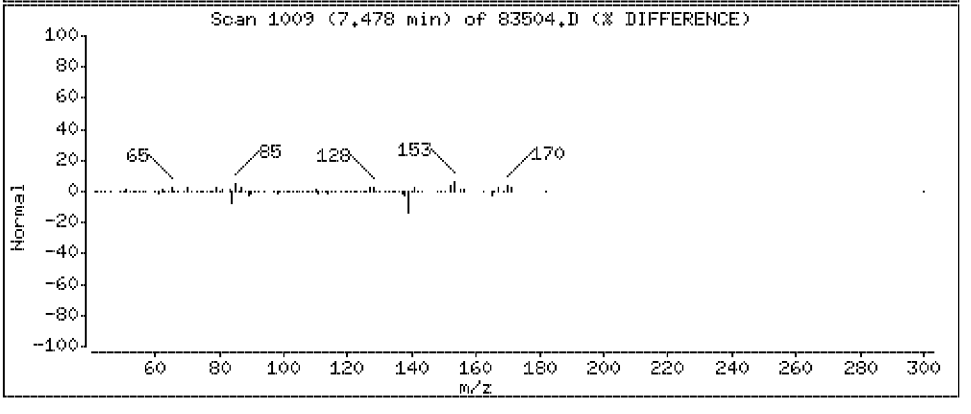












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

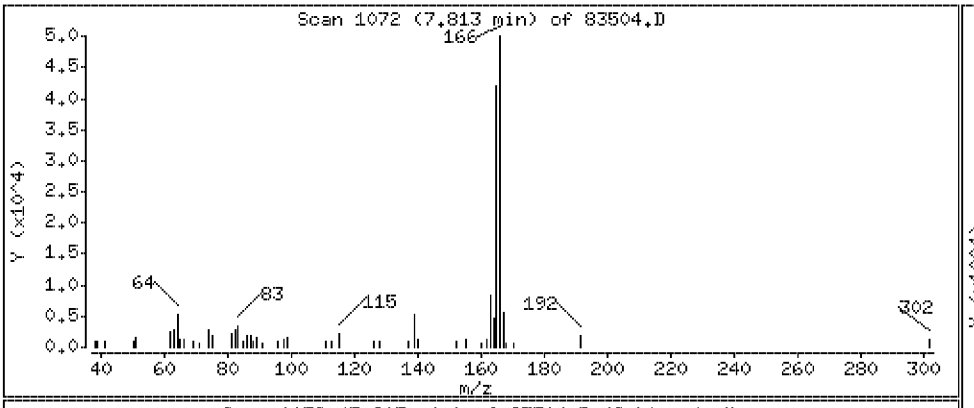
Operator: PEL

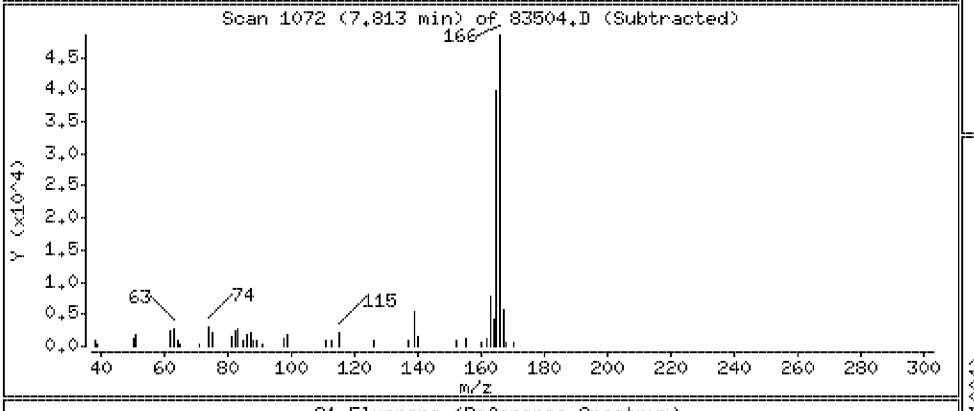
Column phase: HPMS-5

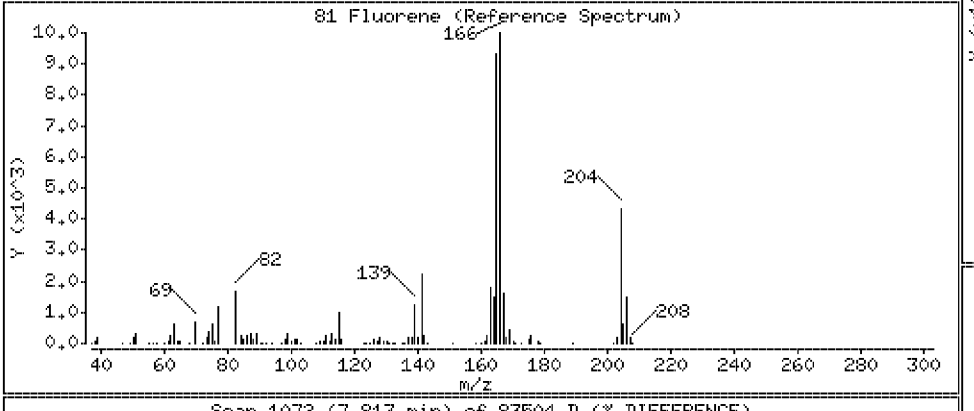
Column diameter: 0.25

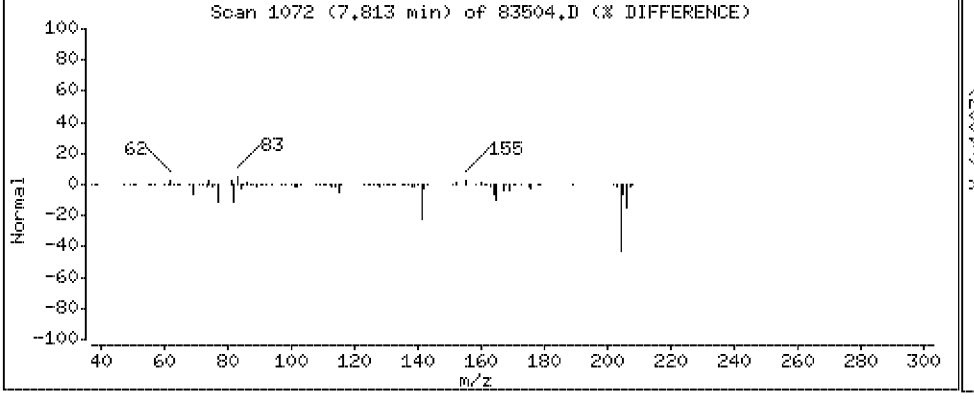
81 Fluorene

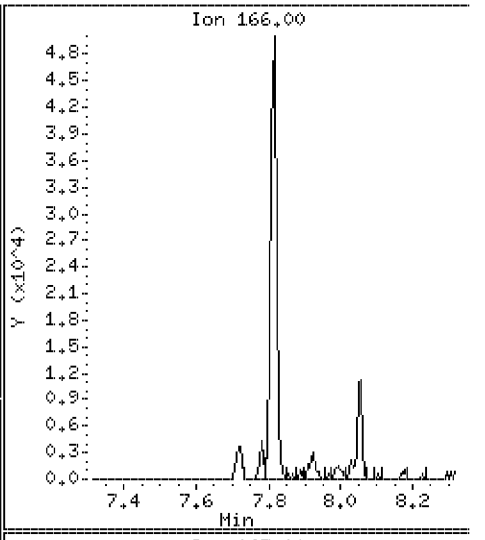
Concentration: 107 ug/kg

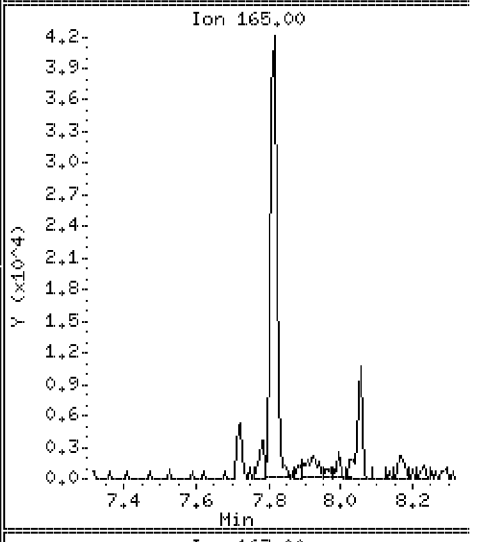


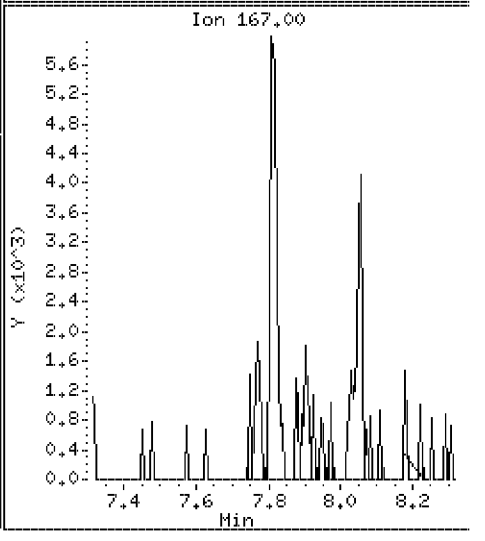












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

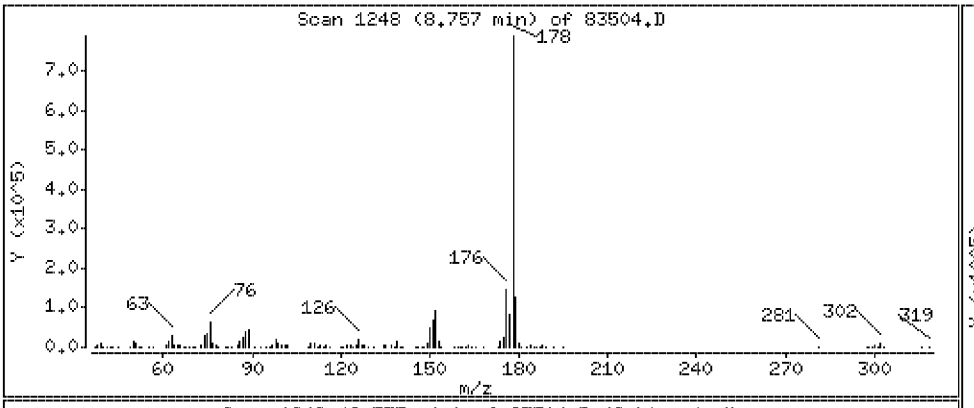
Operator: PEL

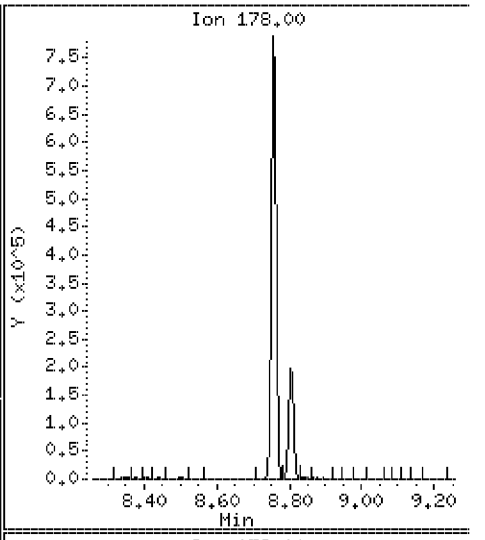
Column phase: HPMS-5

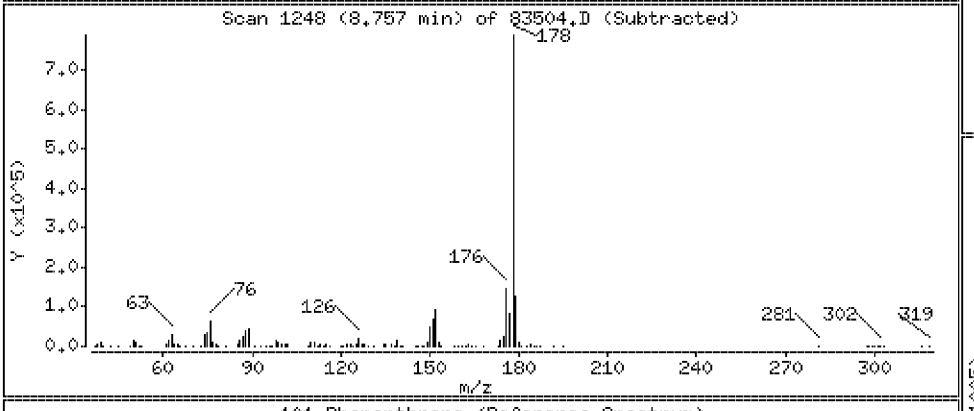
Column diameter: 0.25

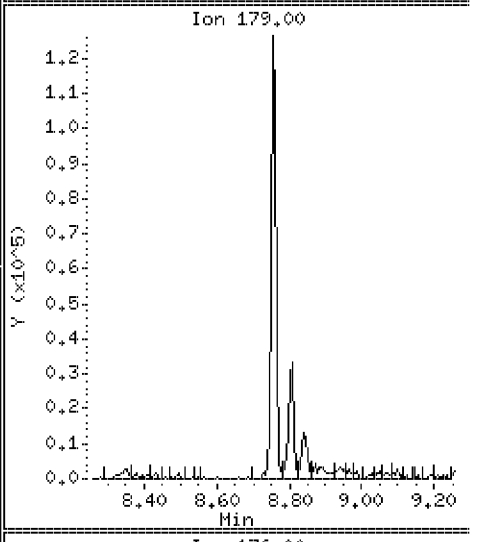
101 Phenanthrene

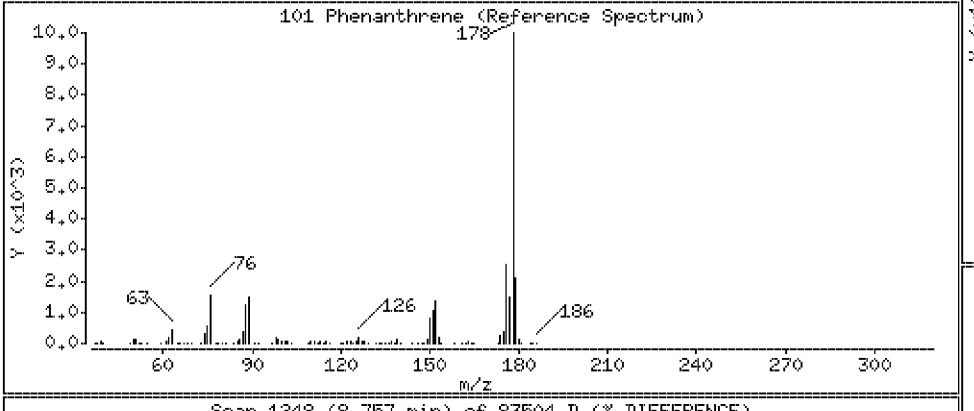
Concentration: 1240 ug/kg

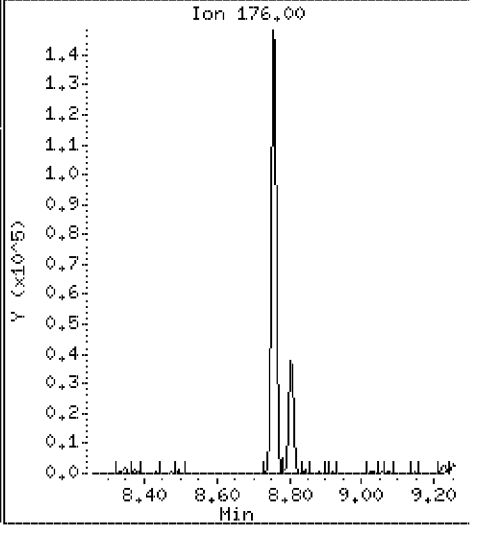


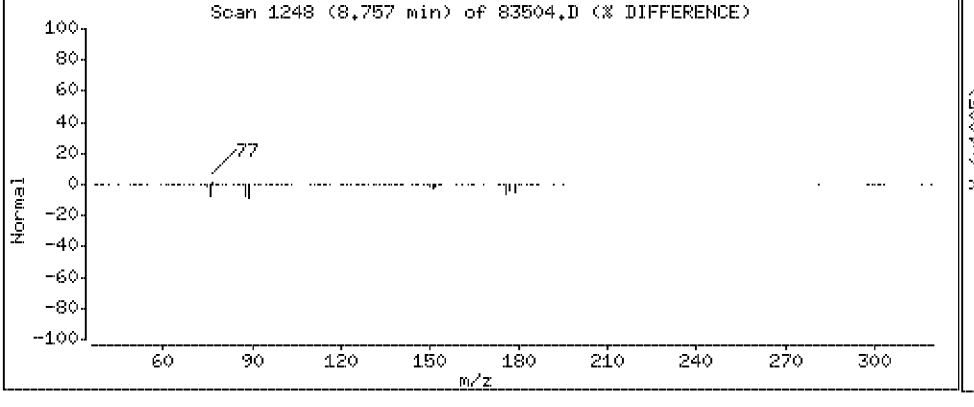












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

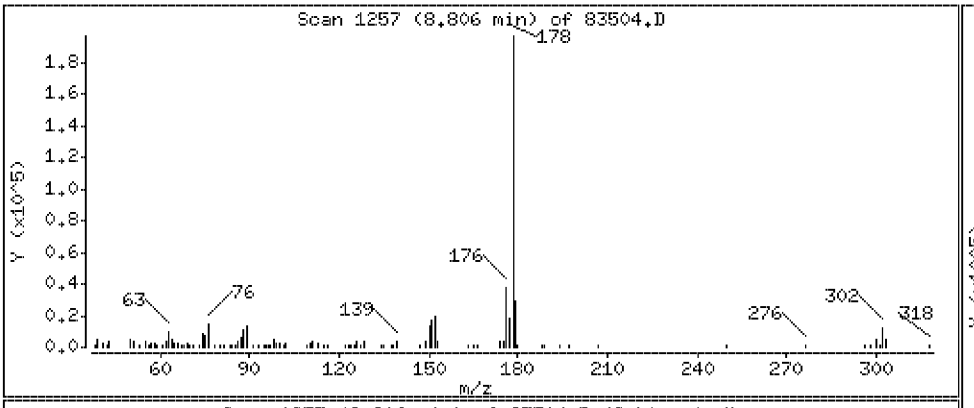
Operator: PEL

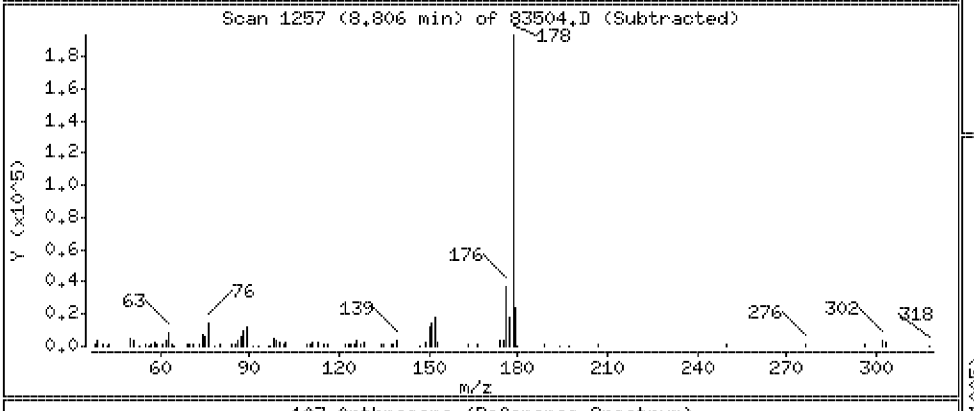
Column phase: HPMS-5

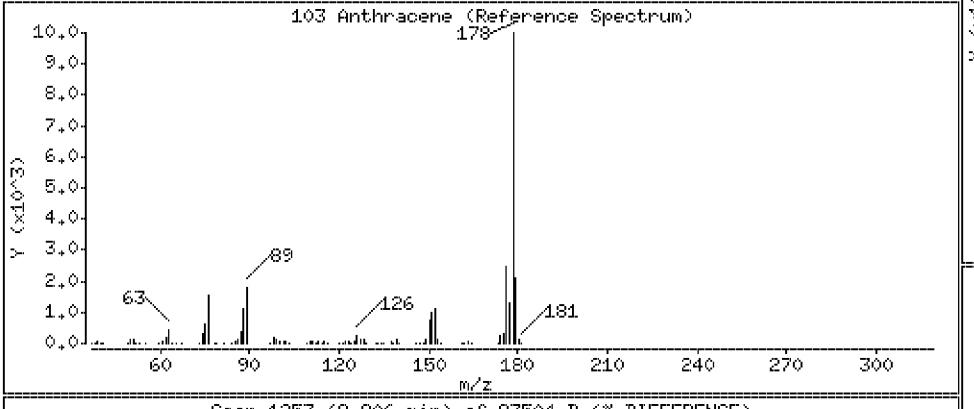
Column diameter: 0.25

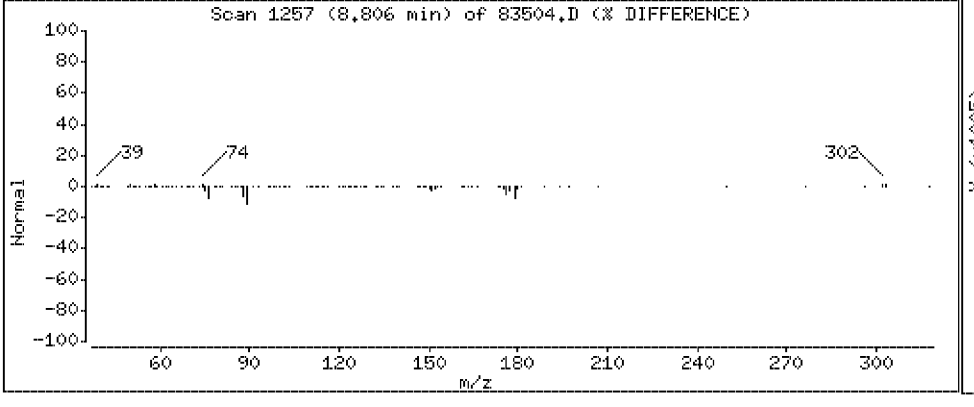
103 Anthracene

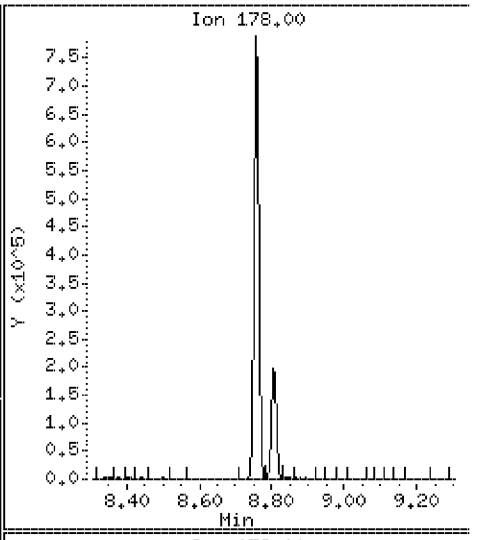
Concentration: 328 ug/kg

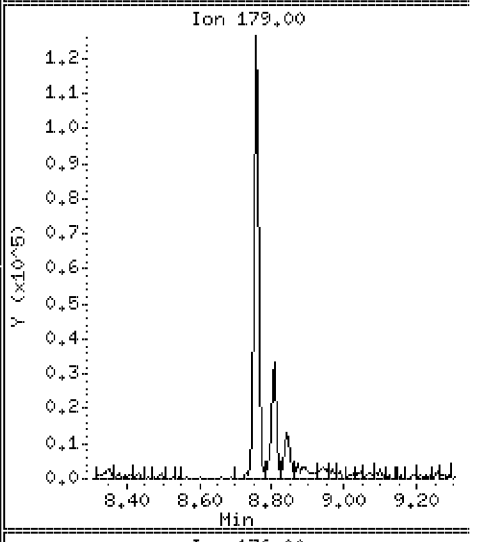


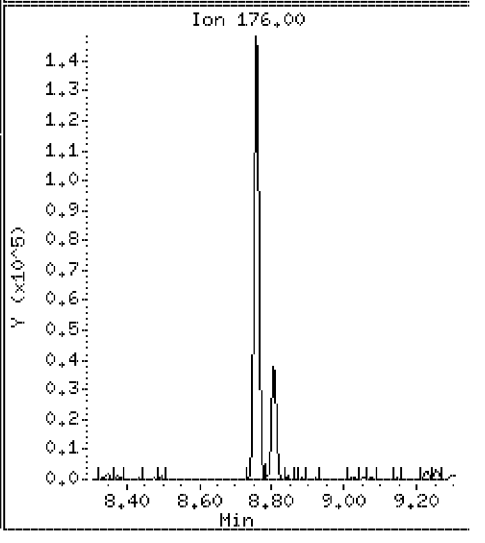












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

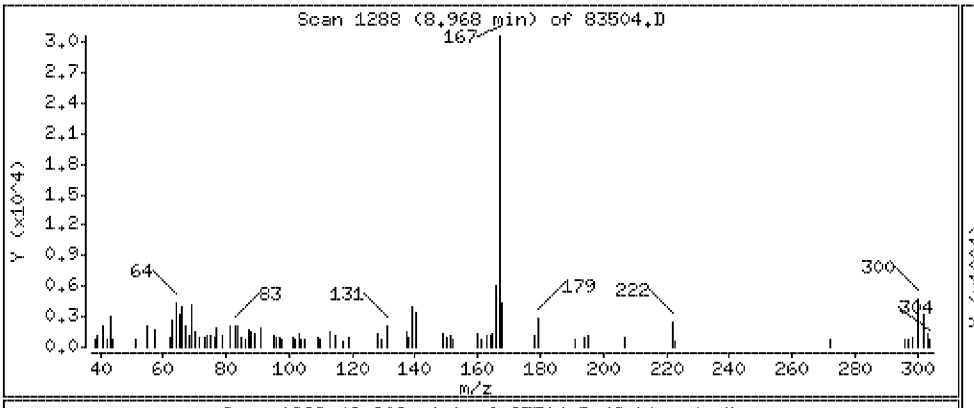
Operator: PEL

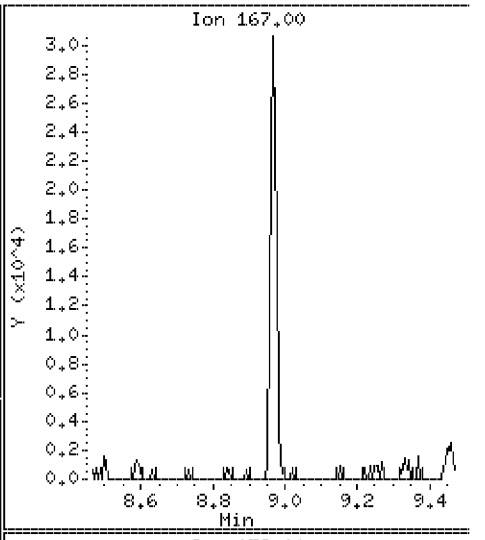
Column phase: HPMS-5

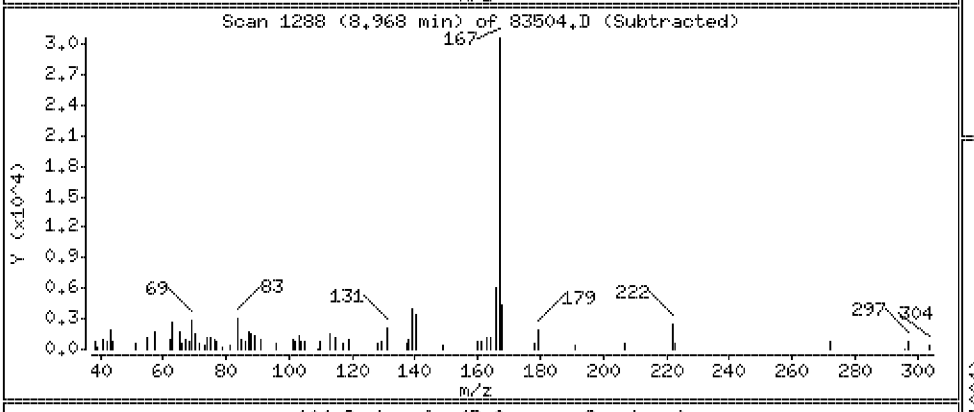
Column diameter: 0.25

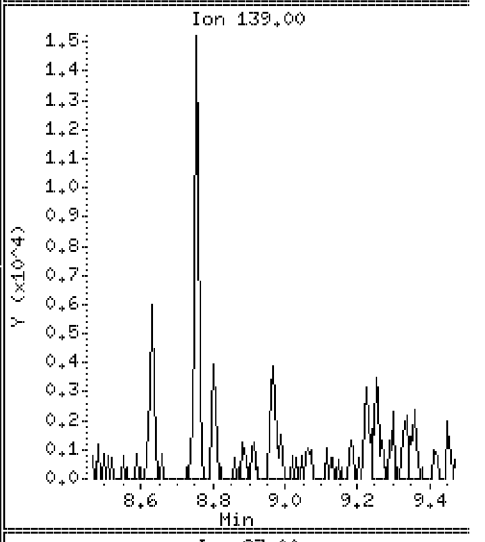
104 Carbazole

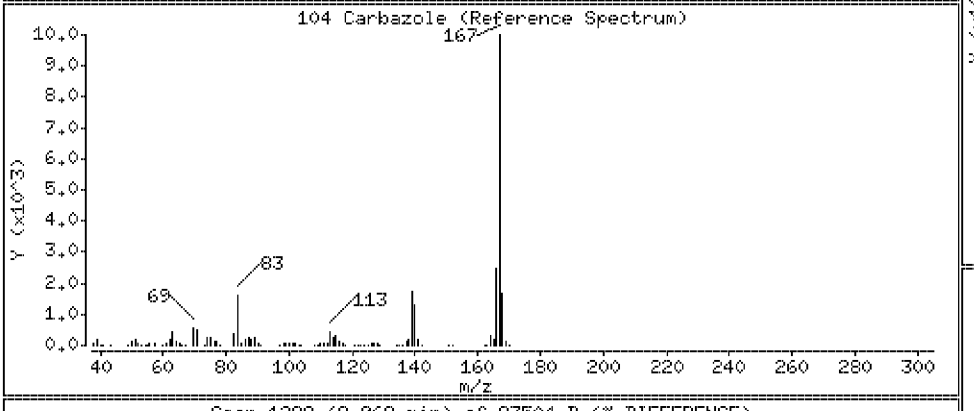
Concentration: 58.2 ug/kg

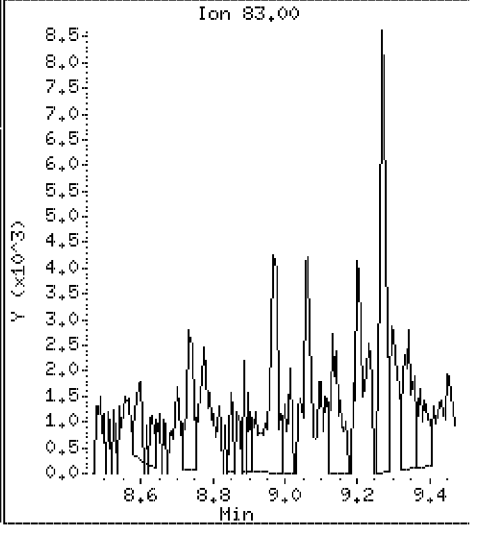


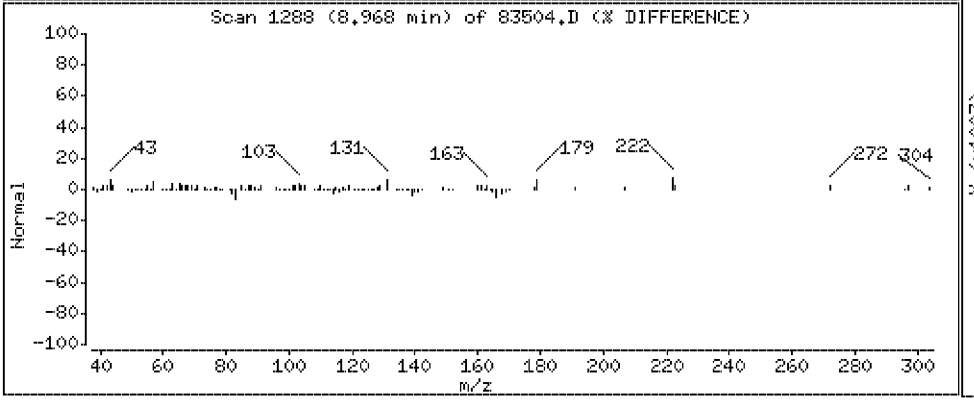












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

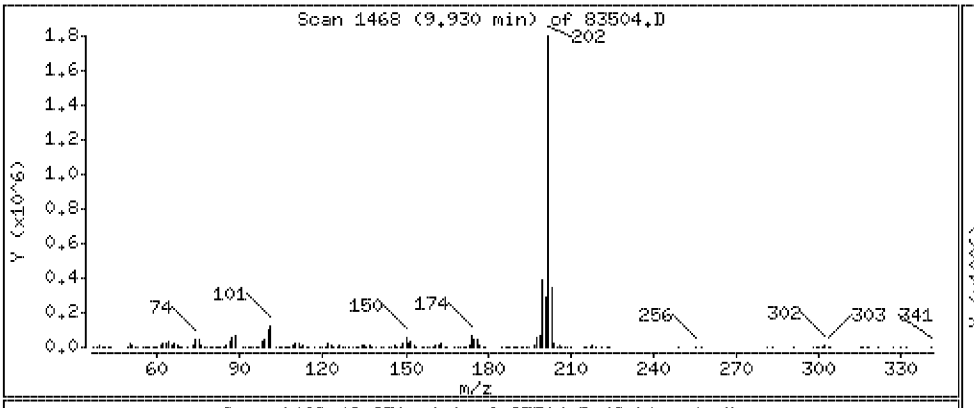
Operator: PEL

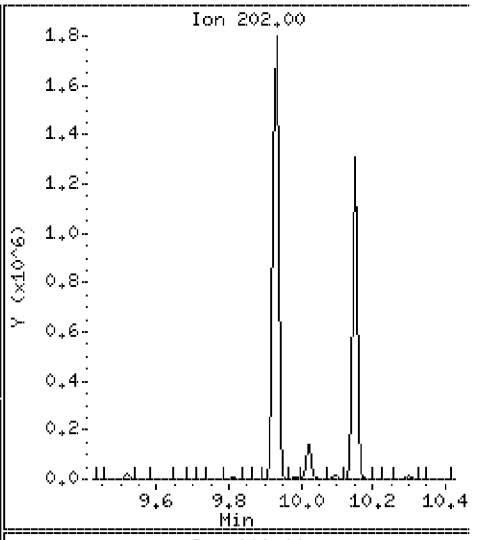
Column phase: HPMS-5

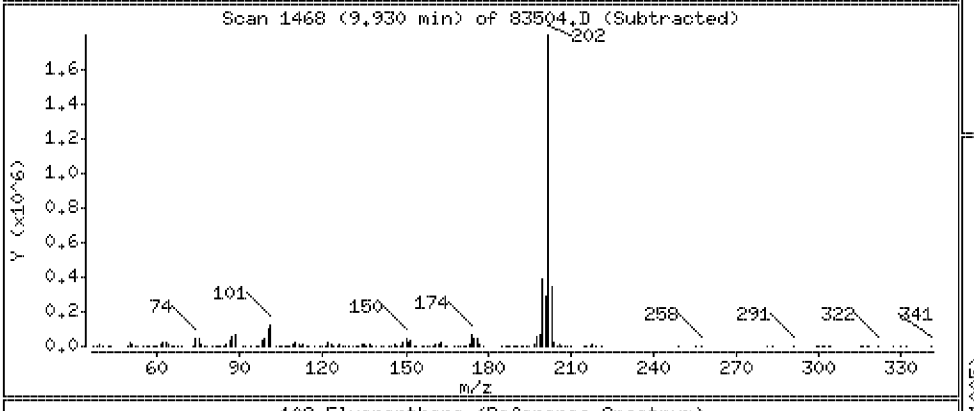
Column diameter: 0.25

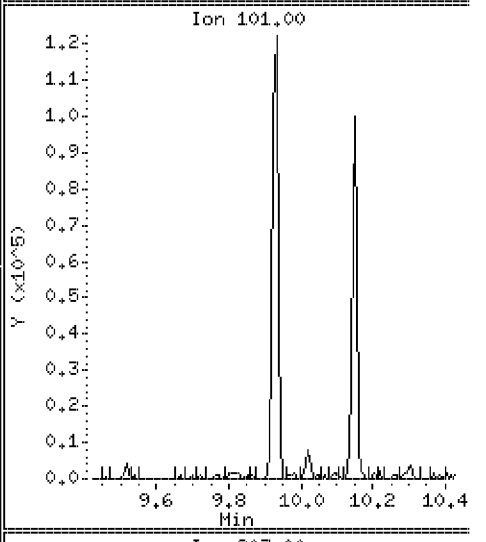
109 Fluoranthene

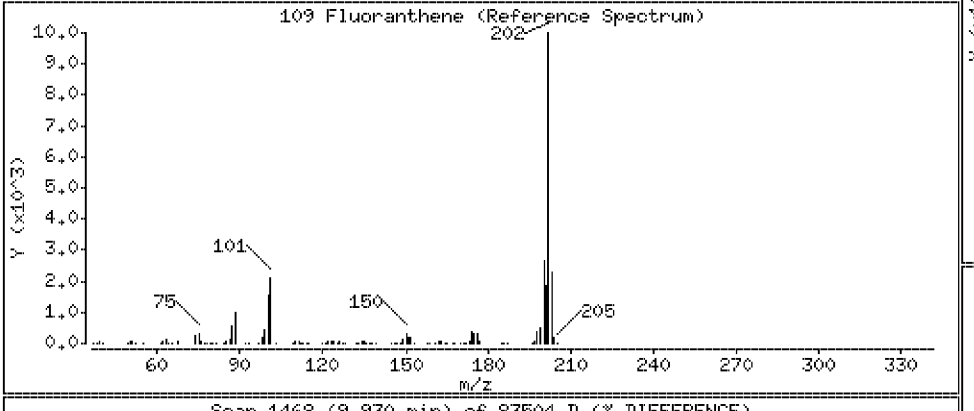
Concentration: 2370 ug/kg

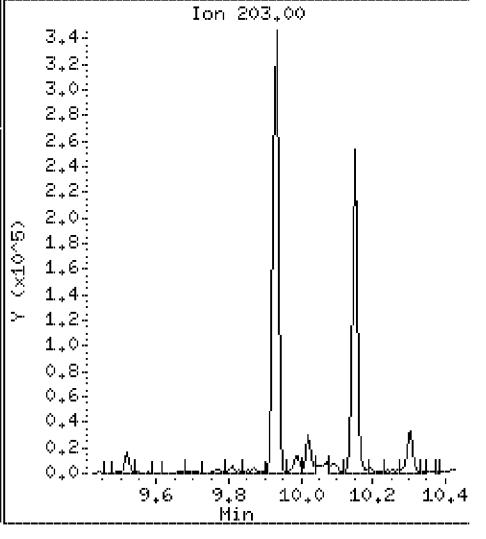


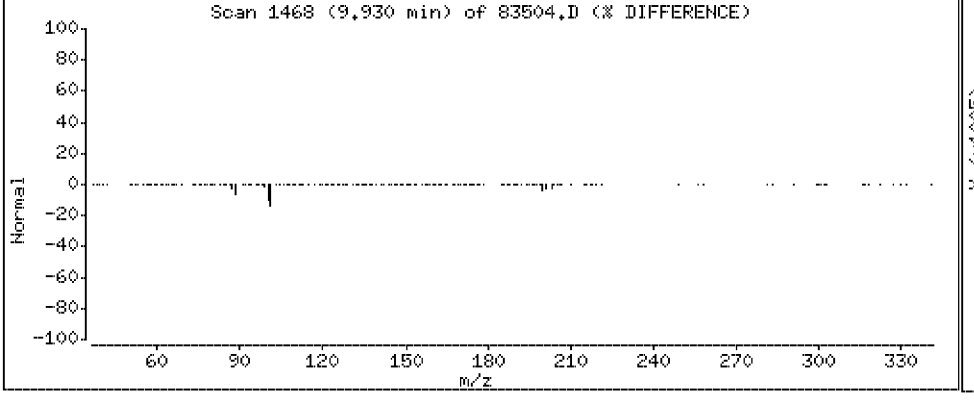












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

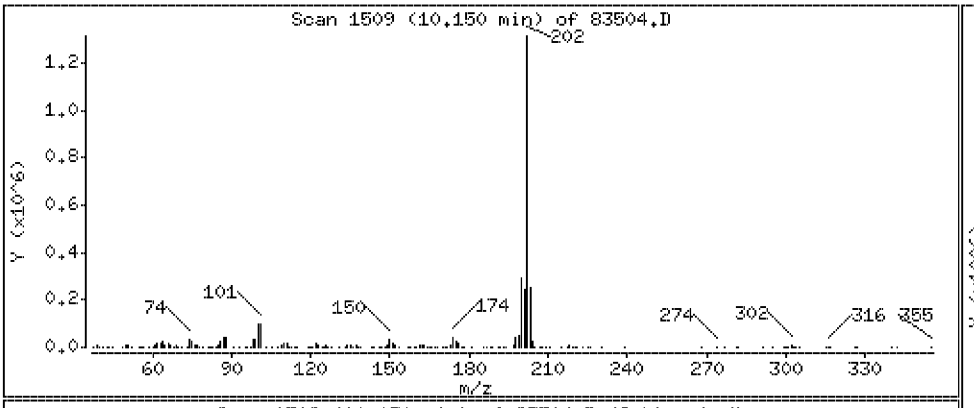
Operator: PEL

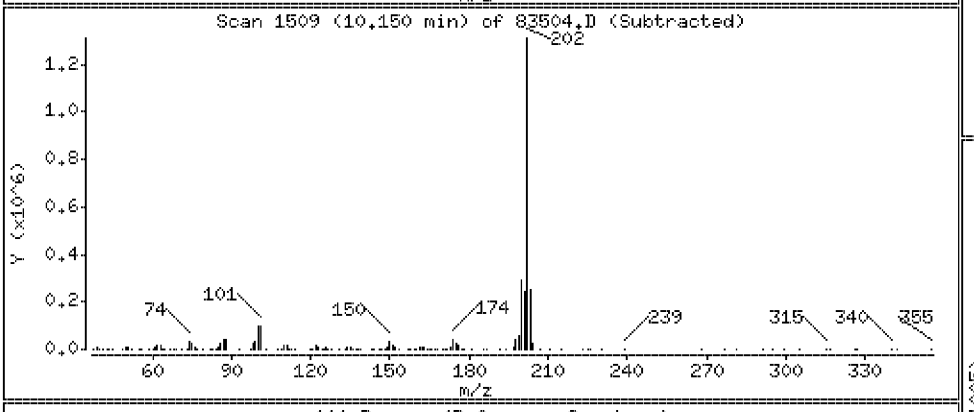
Column phase: HPMS-5

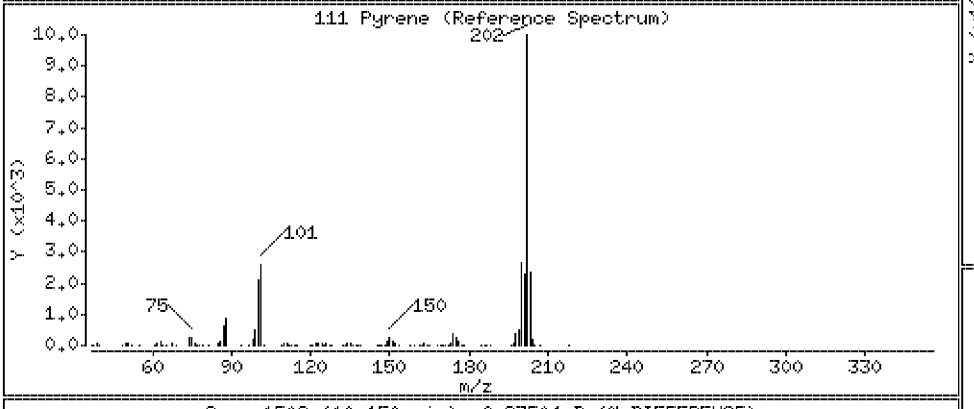
Column diameter: 0.25

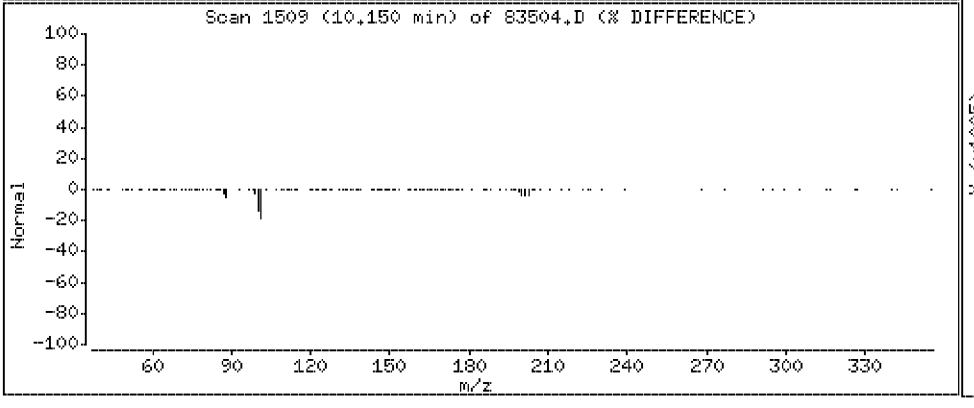
111 Pyrene

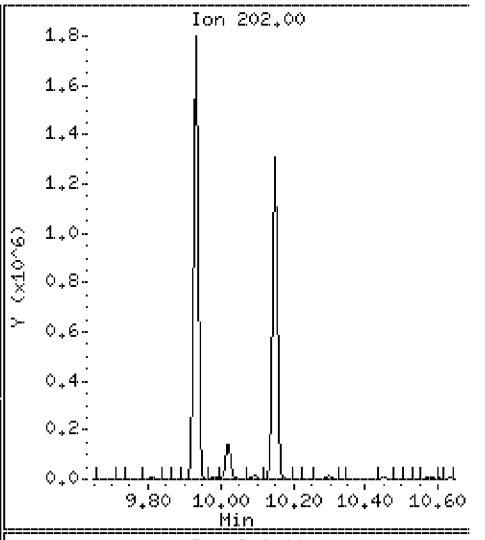
Concentration: 1920 ug/kg

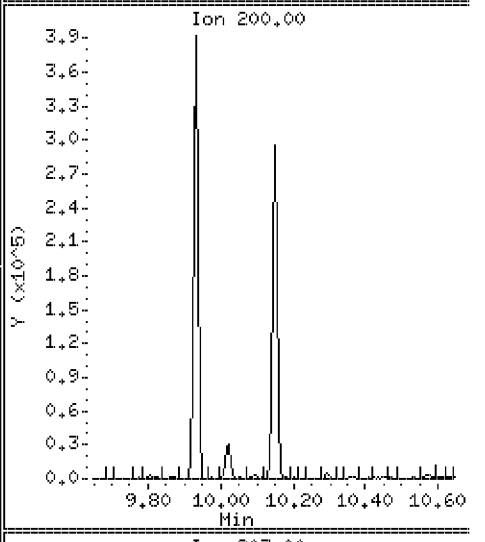


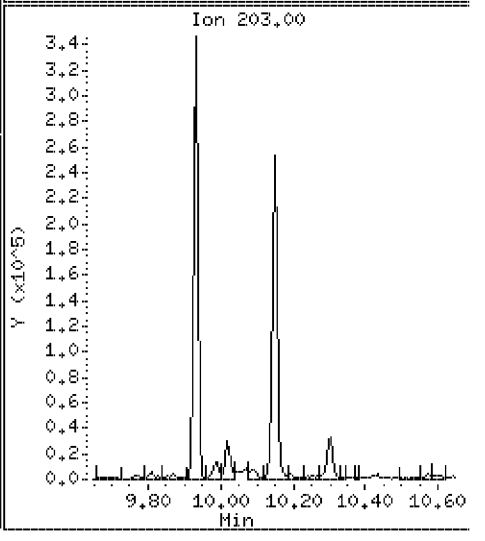












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

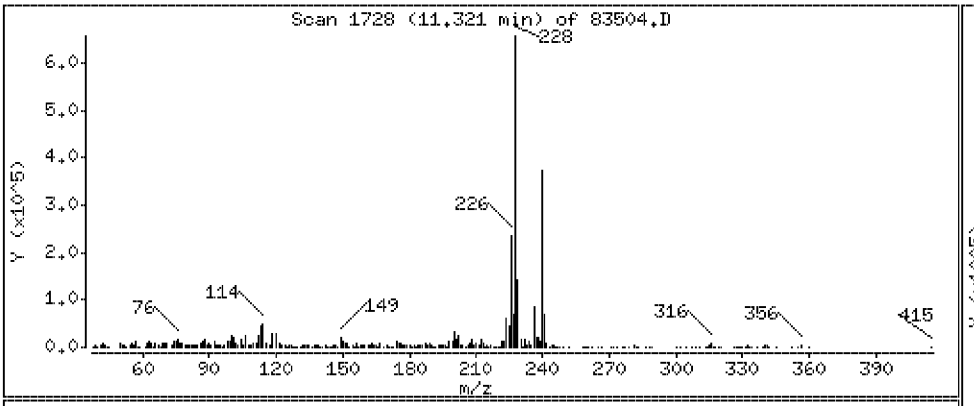
Operator: PEL

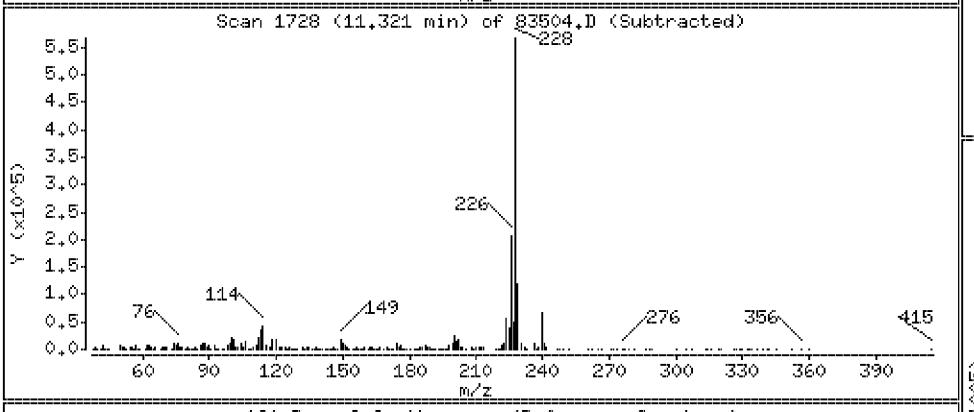
Column phase: HPMS-5

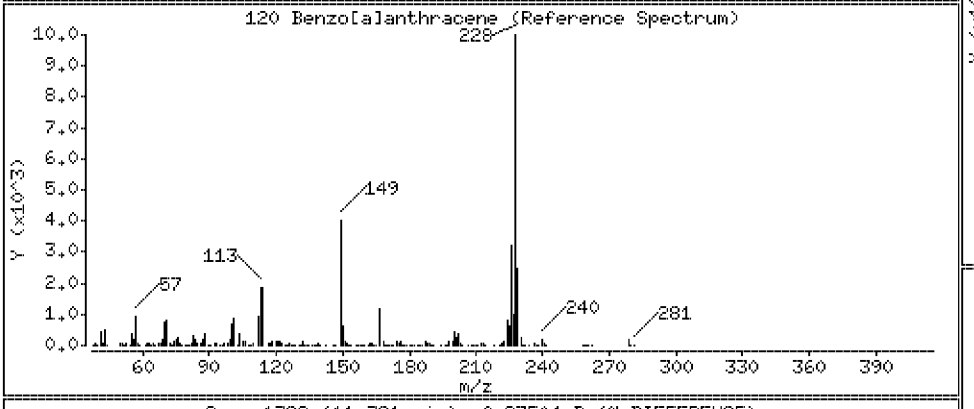
Column diameter: 0.25

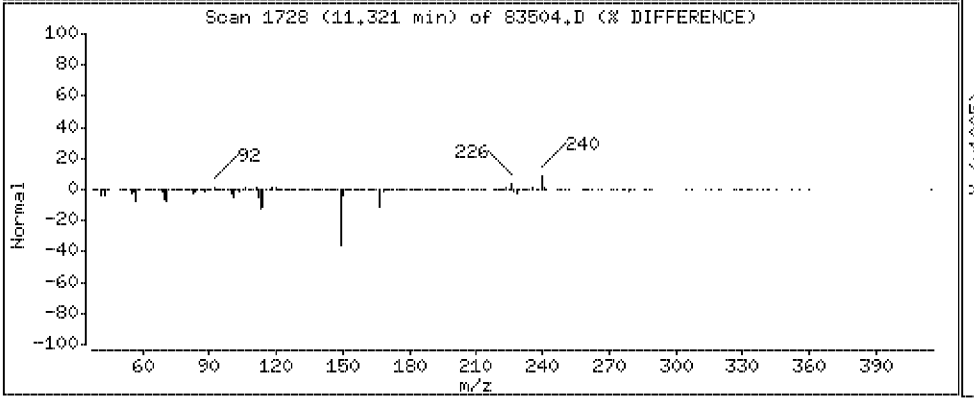
120 Benzo[a]anthracene

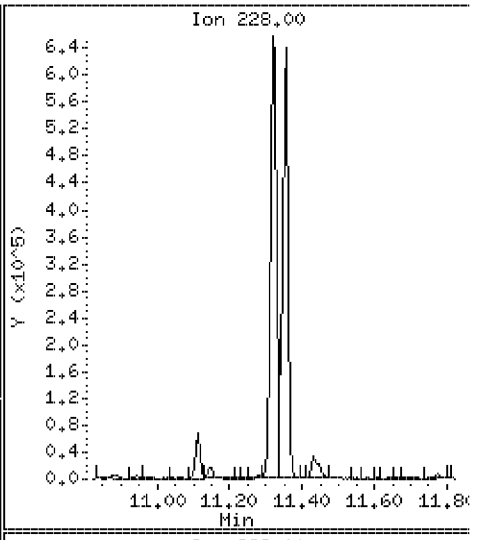
Concentration: 986 ug/kg

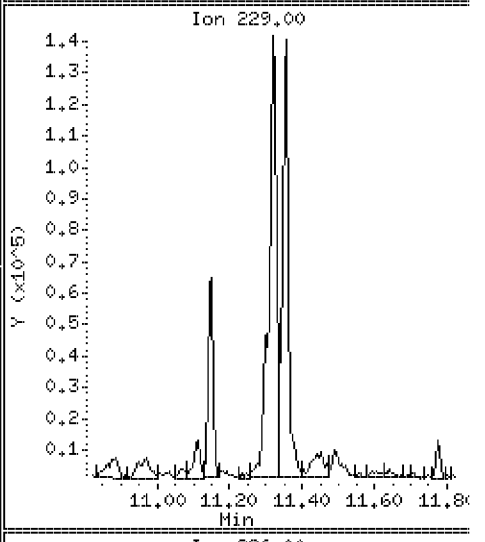


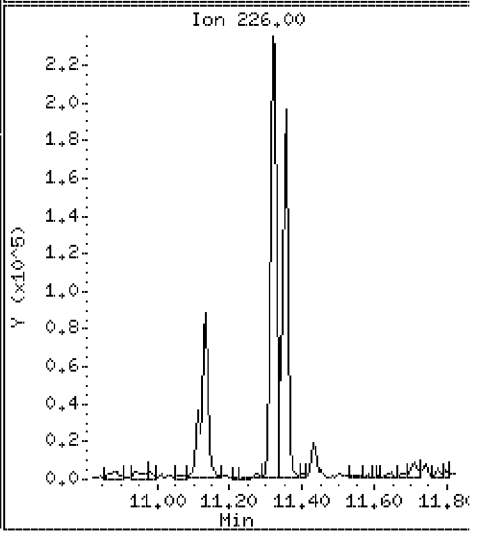












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

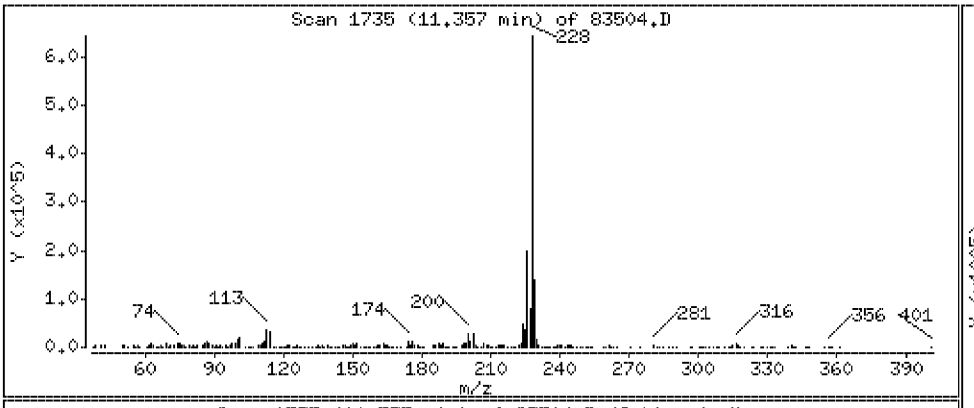
Operator: PEL

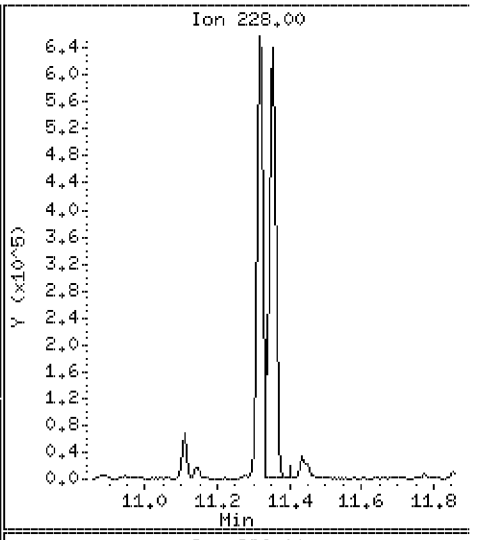
Column phase: HPMS-5

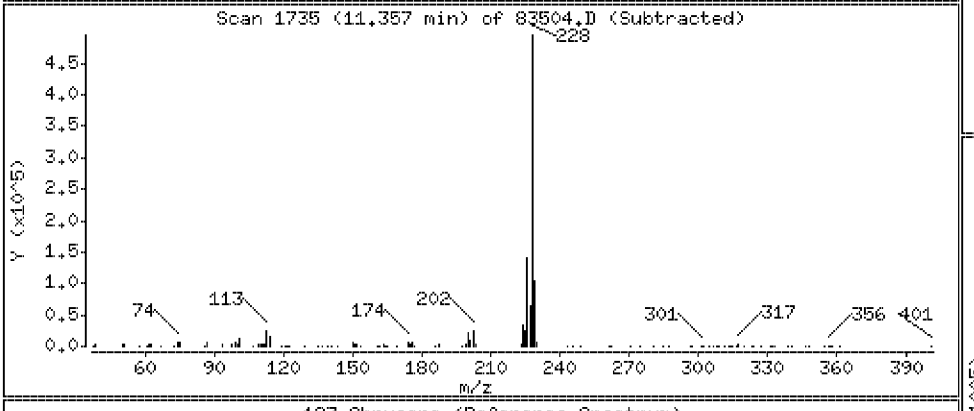
Column diameter: 0.25

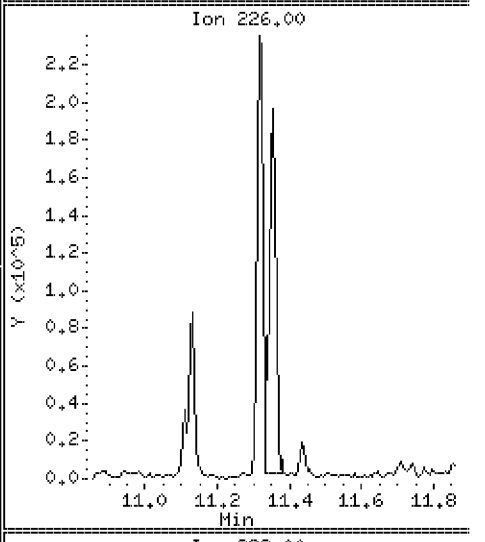
123 Chrysene

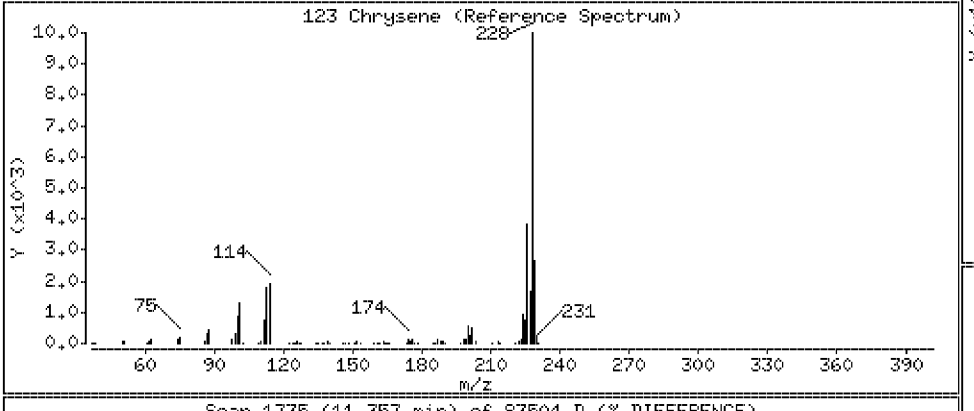
Concentration: 1000 ug/kg

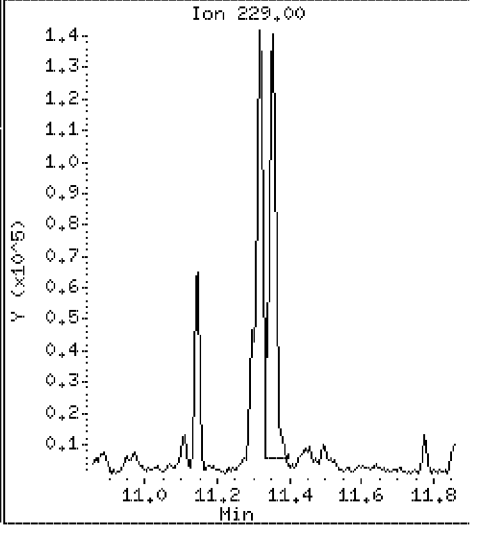


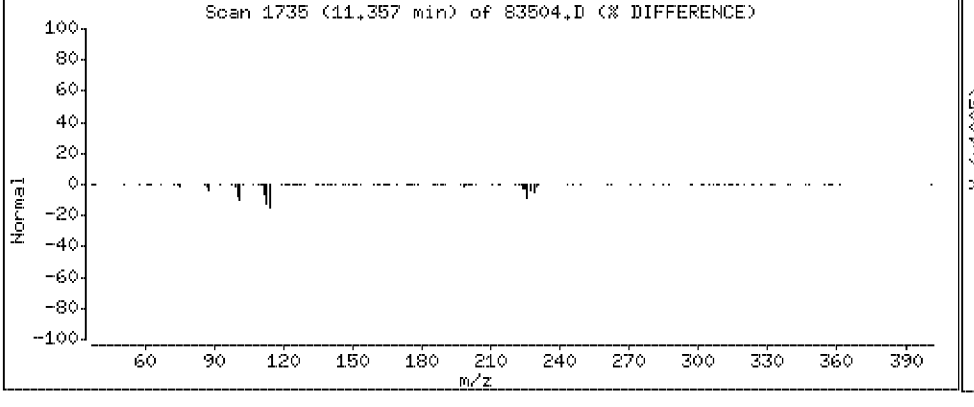












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

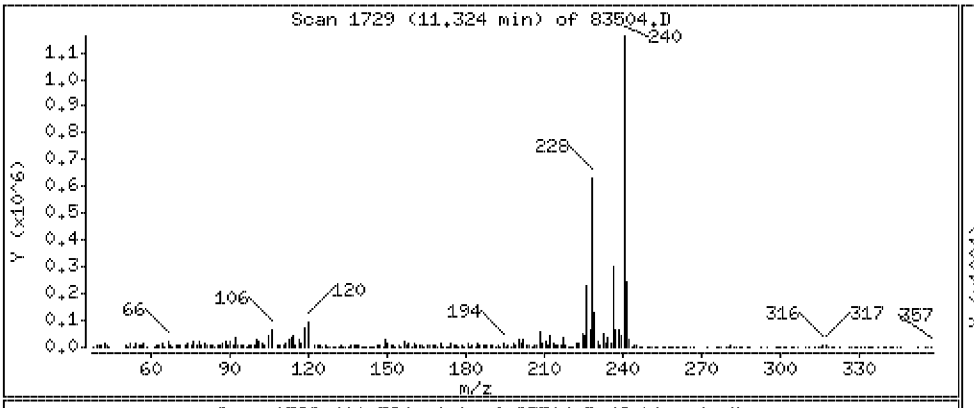
Operator: PEL

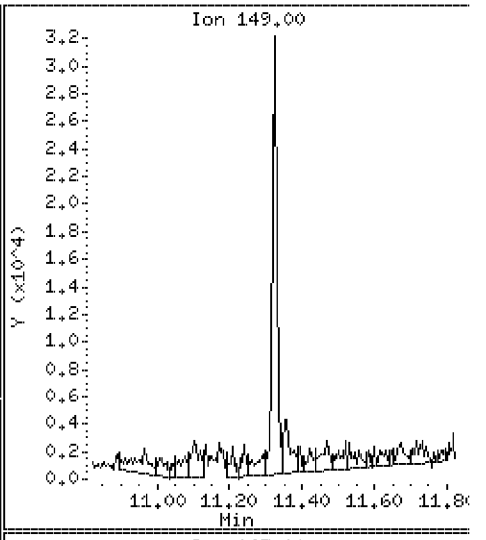
Column phase: HPMS-5

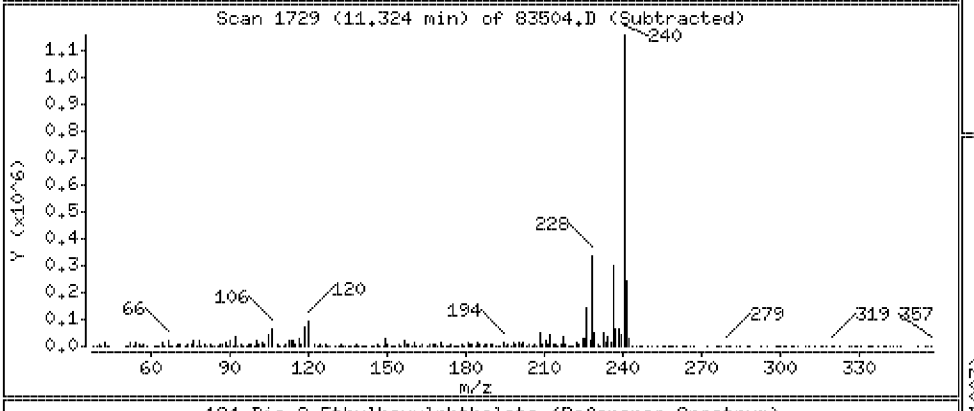
Column diameter: 0.25

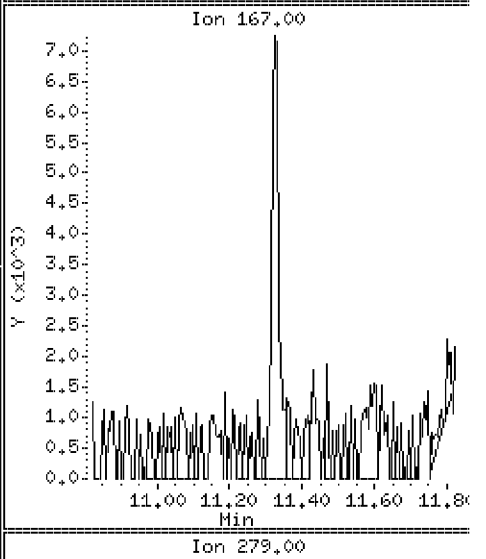
124 Bis-2-Ethylhexylphthalate

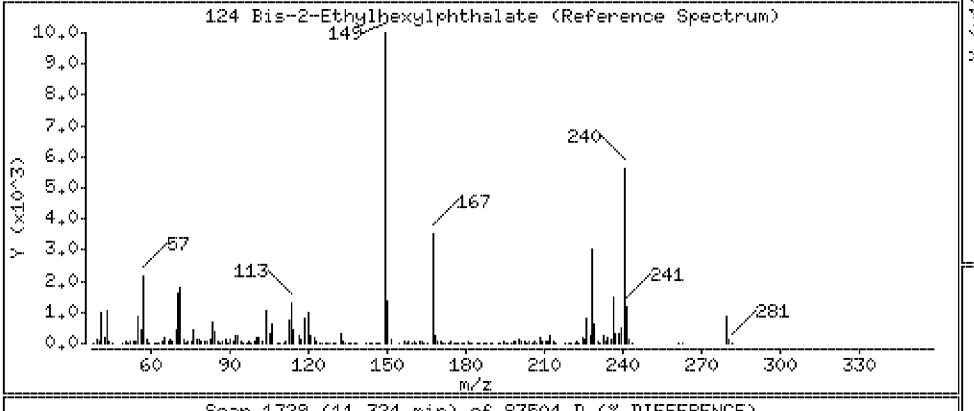
Concentration: 59.2 ug/kg

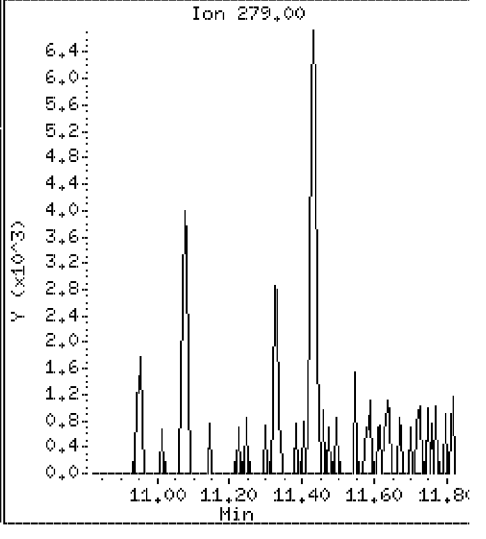


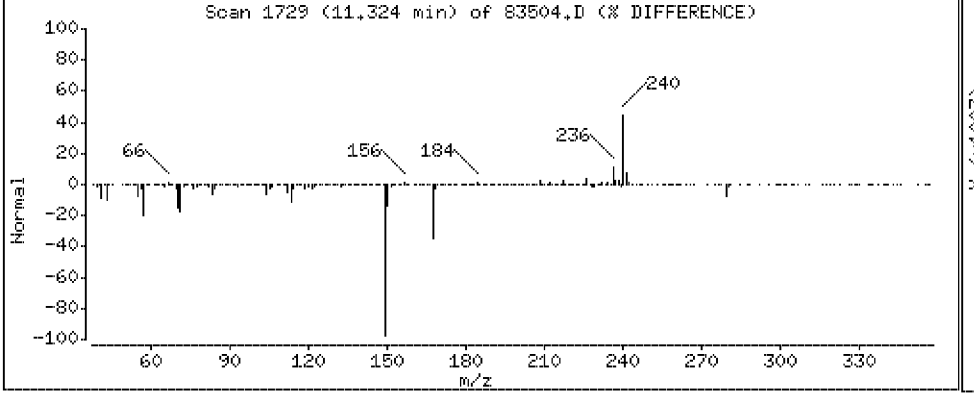












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

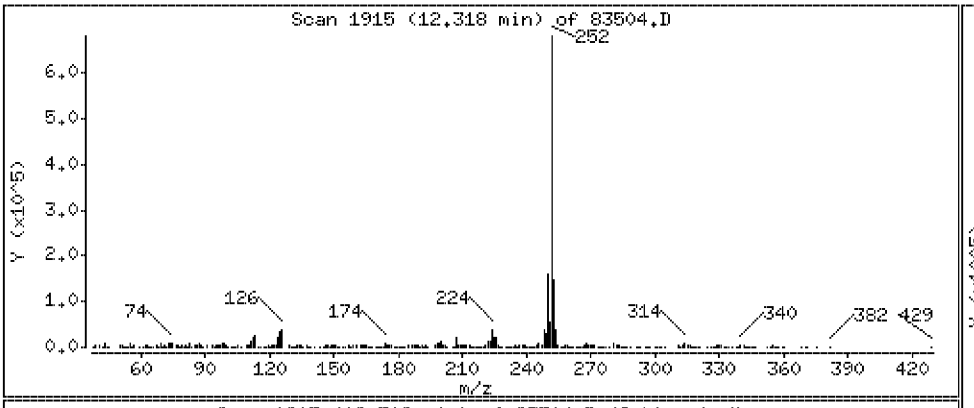
Operator: PEL

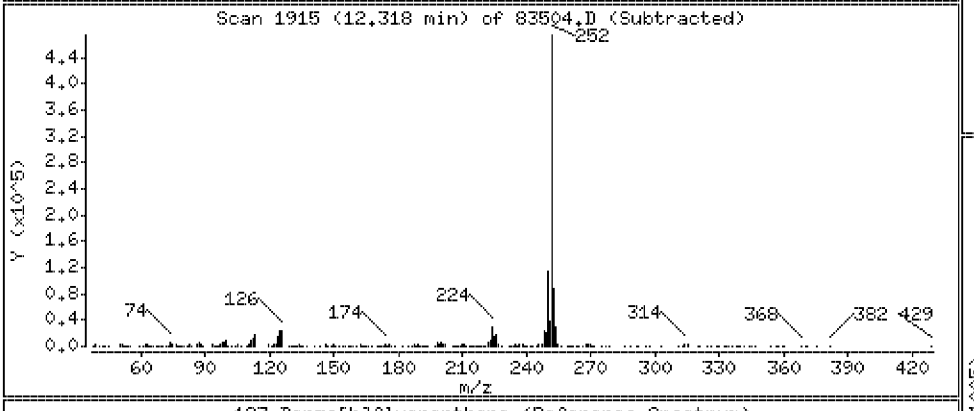
Column phase: HPMS-5

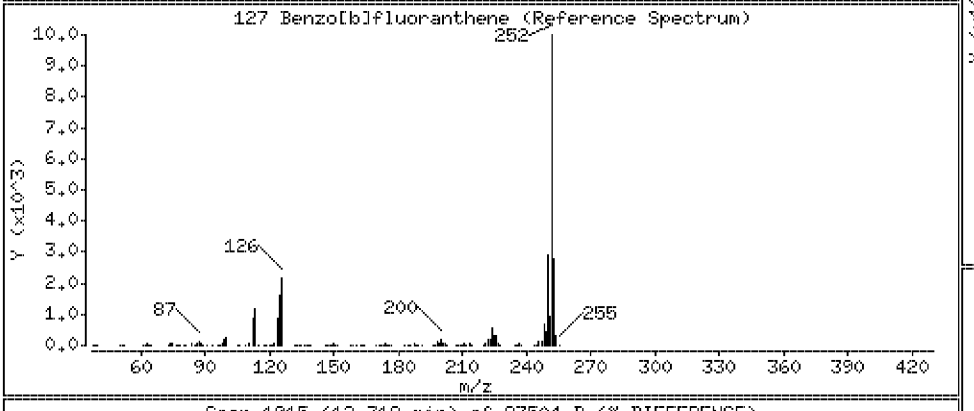
Column diameter: 0.25

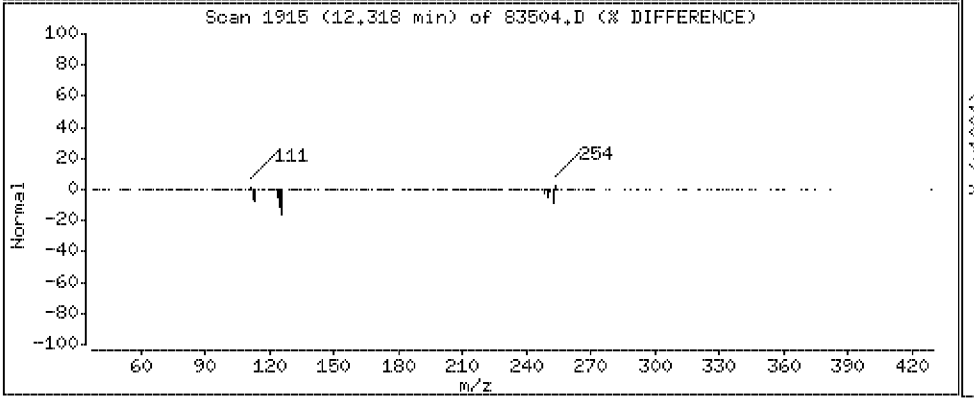
127 Benzo[b]fluoranthene

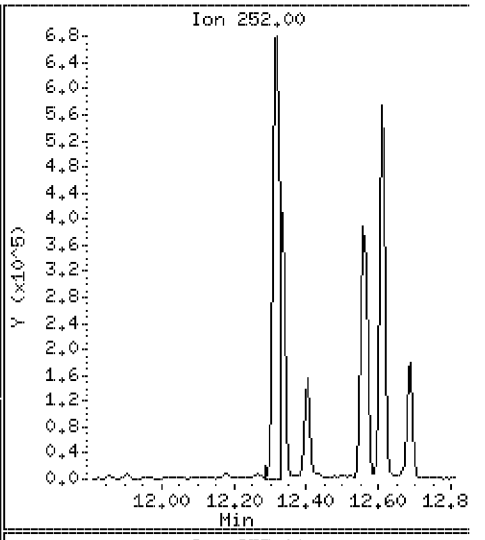
Concentration: 1130 ug/kg

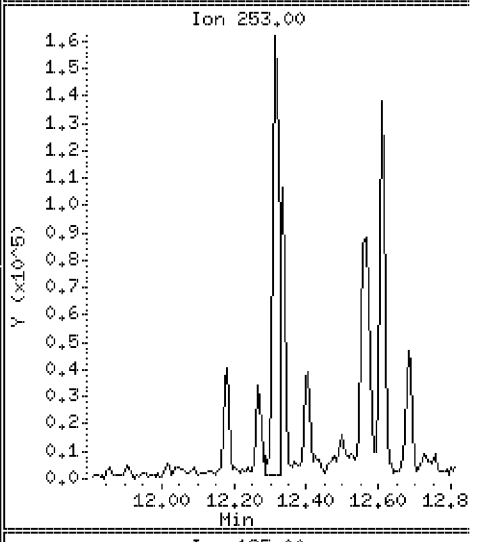


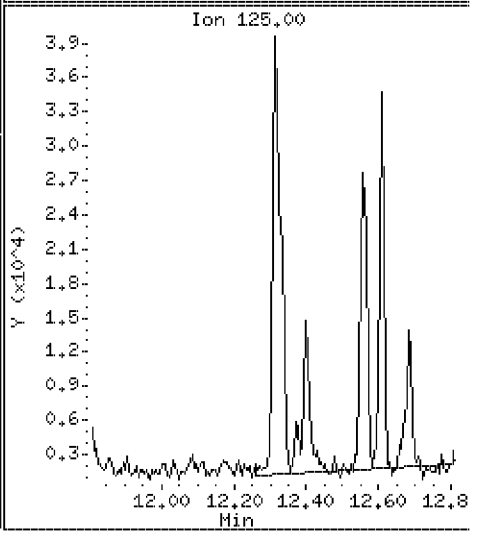












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

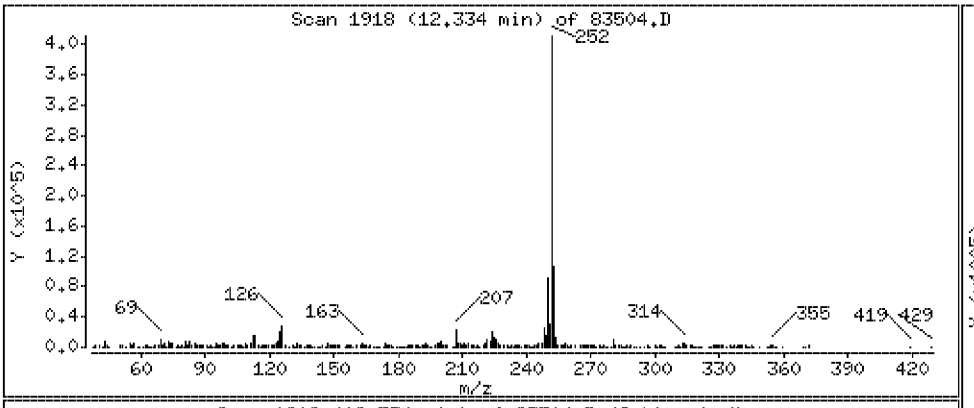
Operator: PEL

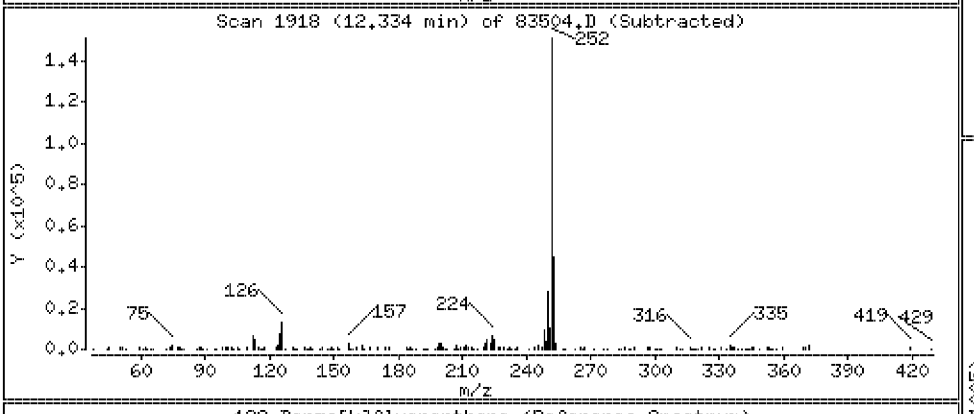
Column phase: HPMS-5

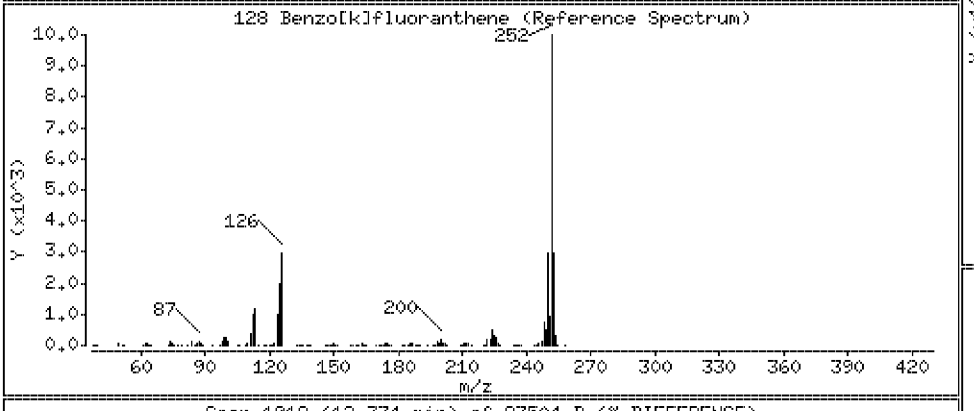
Column diameter: 0.25

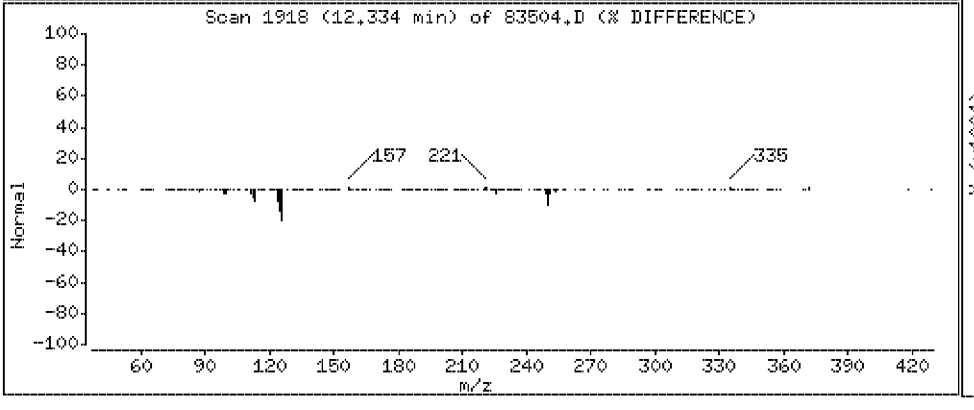
128 Benzo[k]fluoranthene

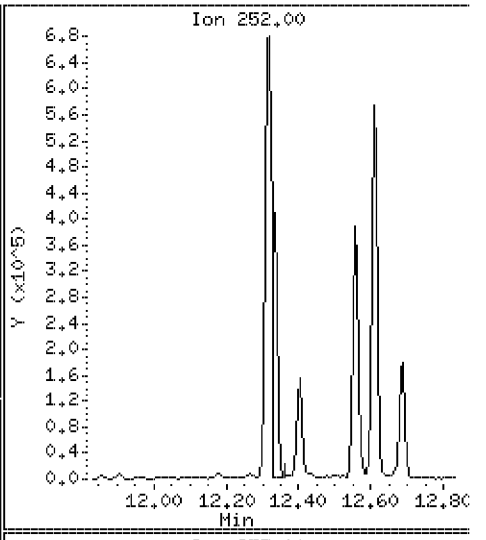
Concentration: 478 ug/kg

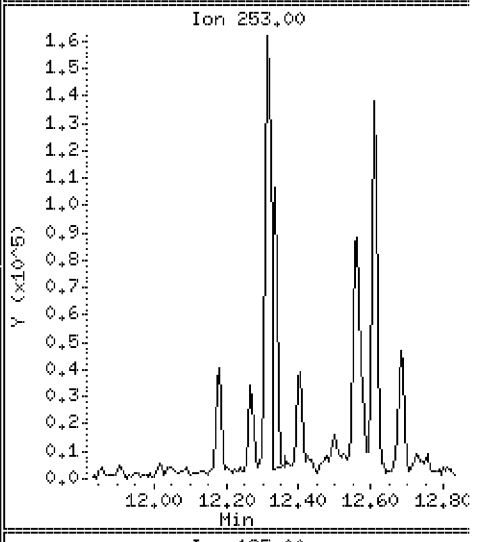


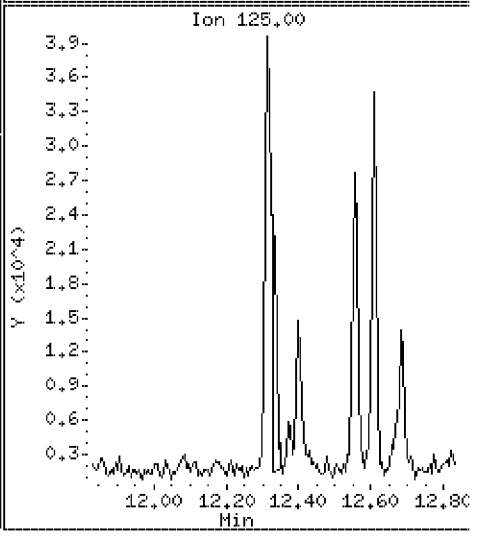












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

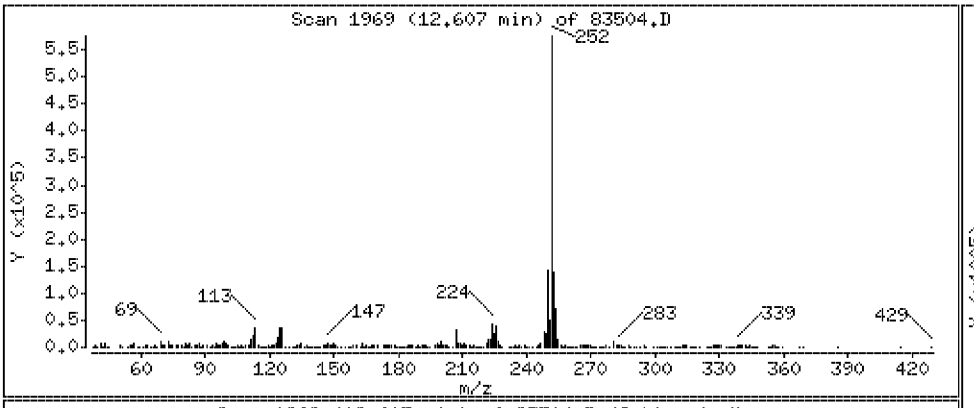
Operator: PEL

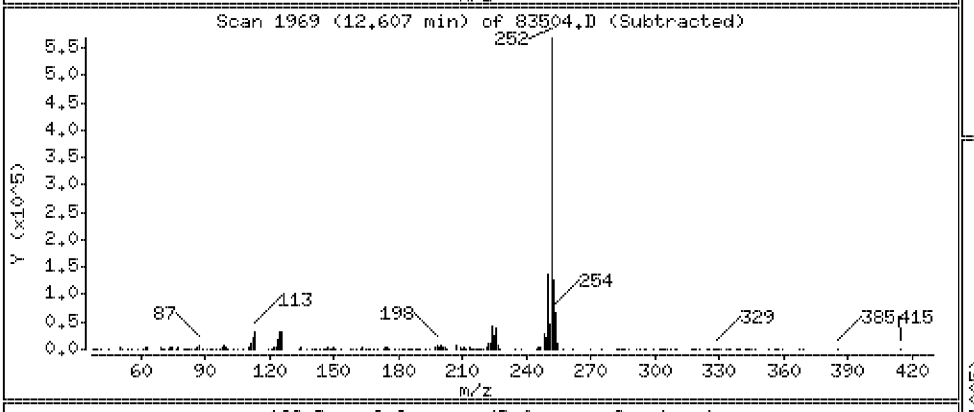
Column phase: HPMS-5

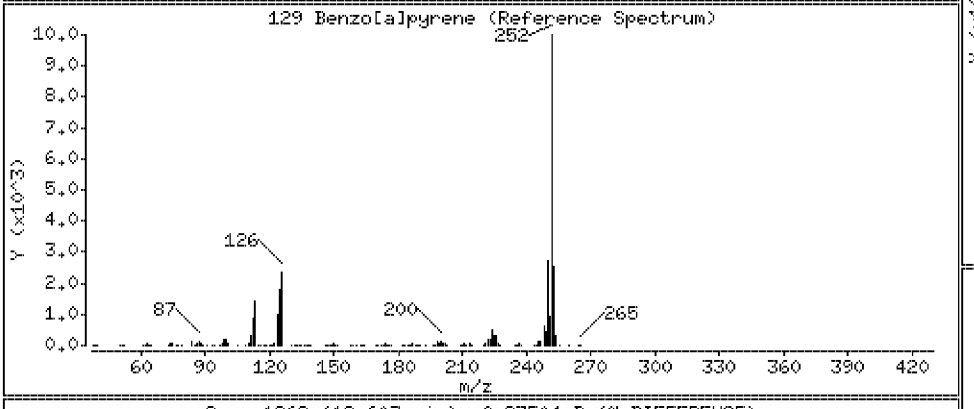
Column diameter: 0.25

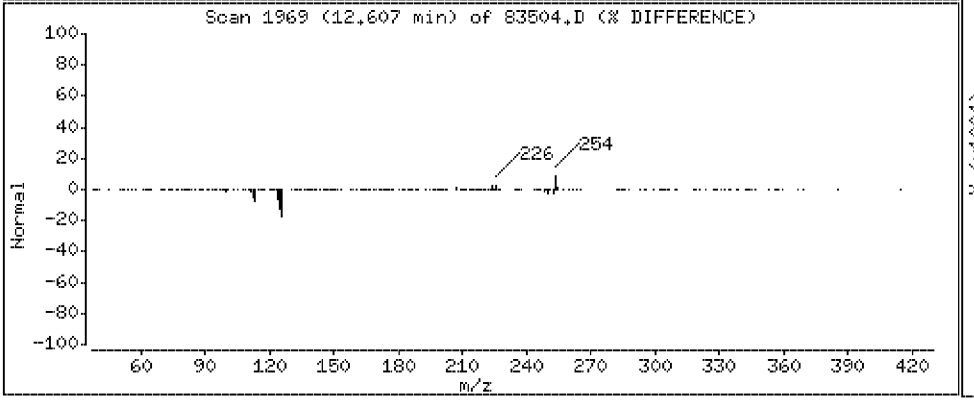
129 Benzo[a]pyrene

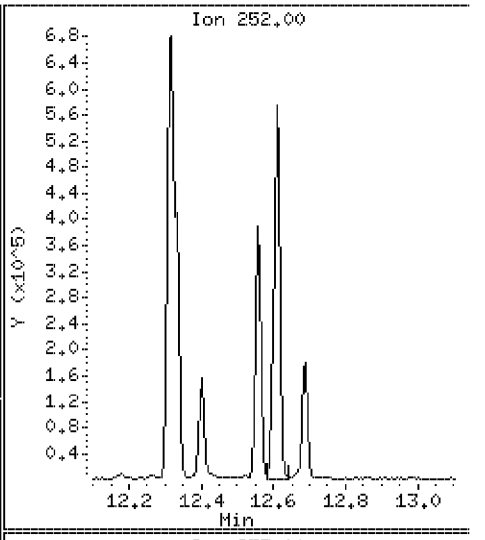
Concentration: 759 ug/kg

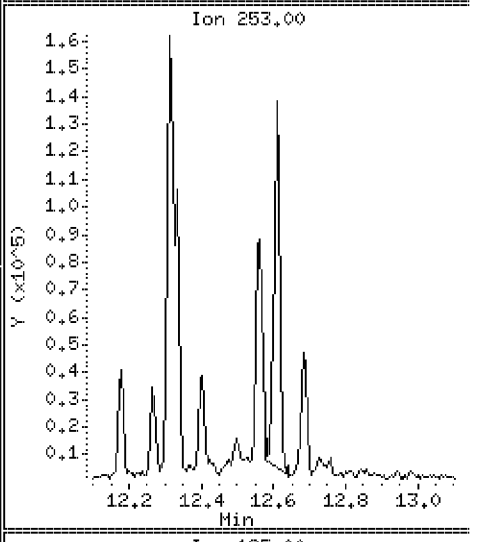


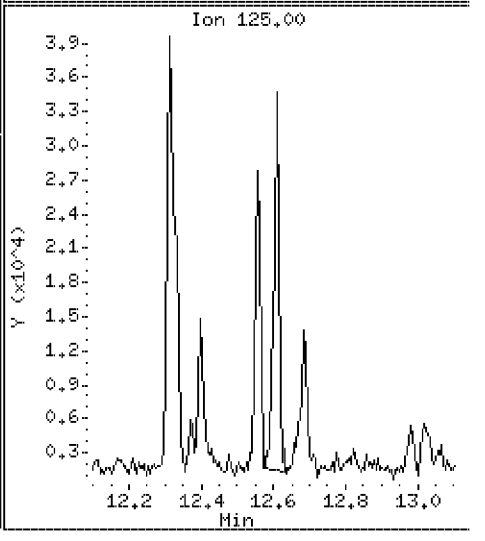












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

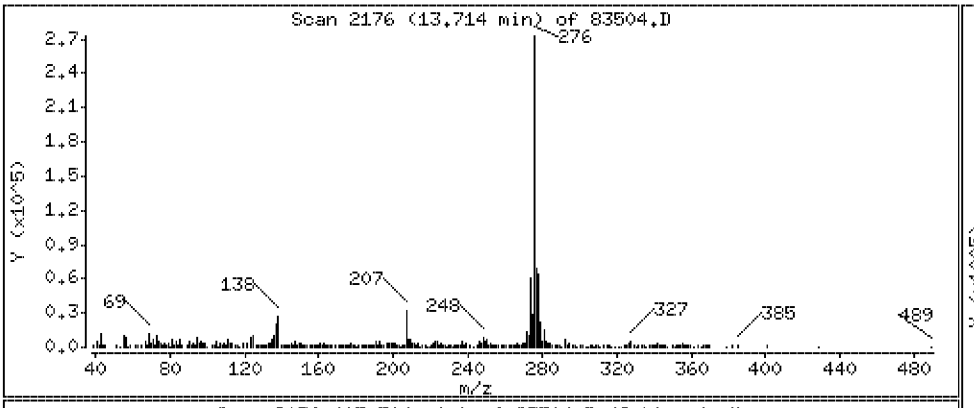
Operator: PEL

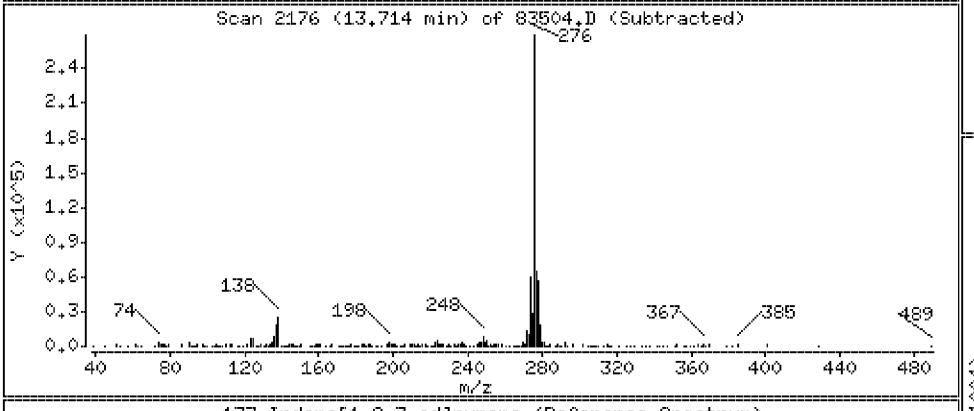
Column phase: HPMS-5

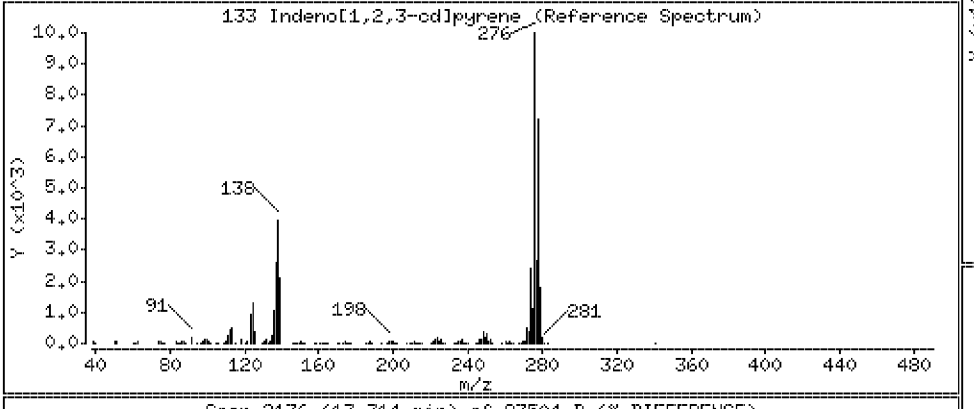
Column diameter: 0.25

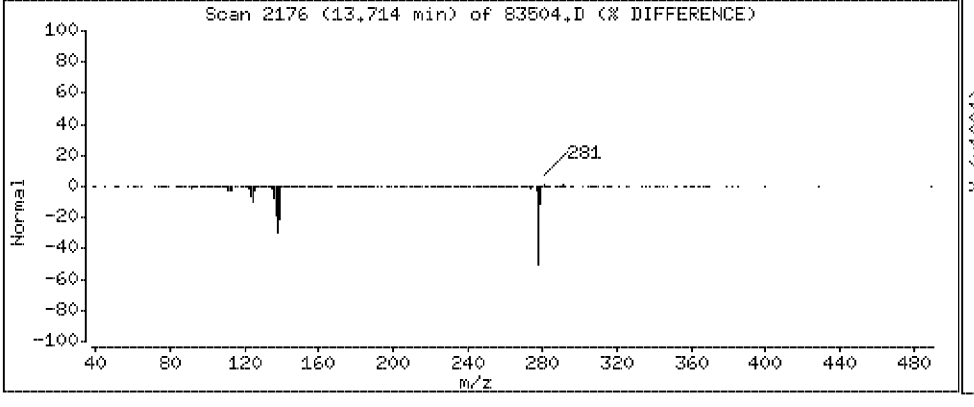
133 Indeno[1,2,3-cd]pyrene

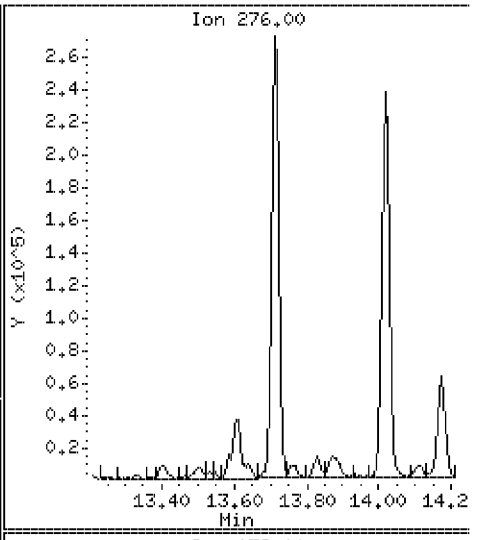
Concentration: 386 ug/kg

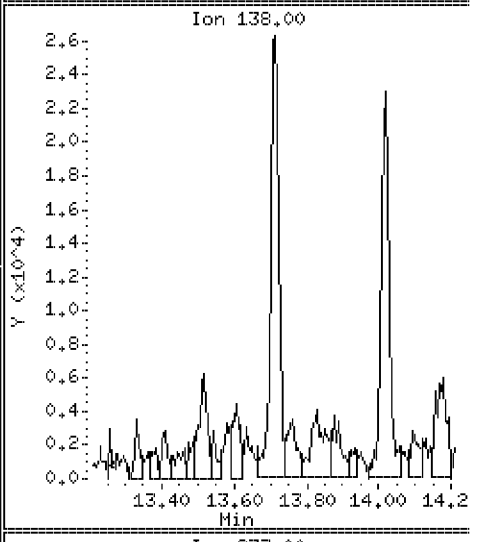


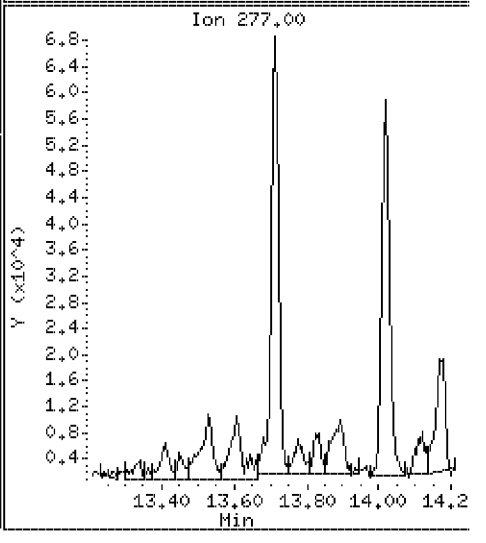












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83504.D

Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

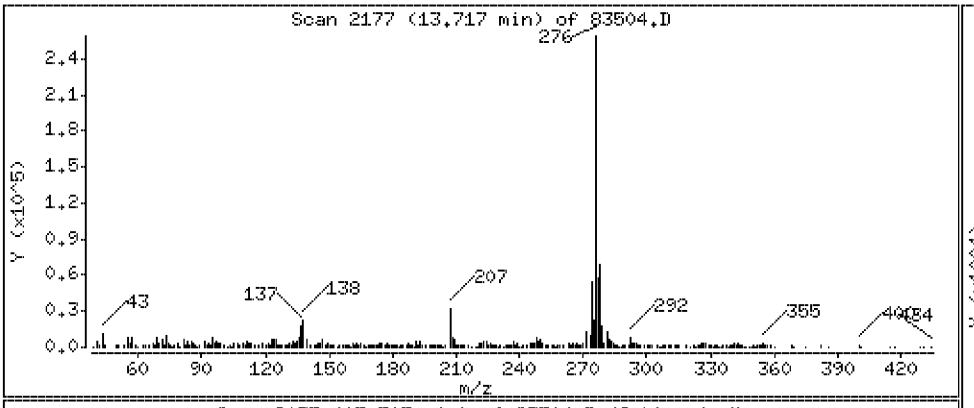
Operator: PEL

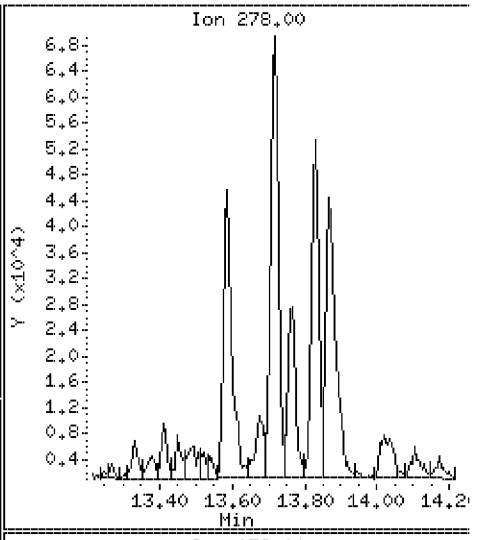
Column phase: HPMS-5

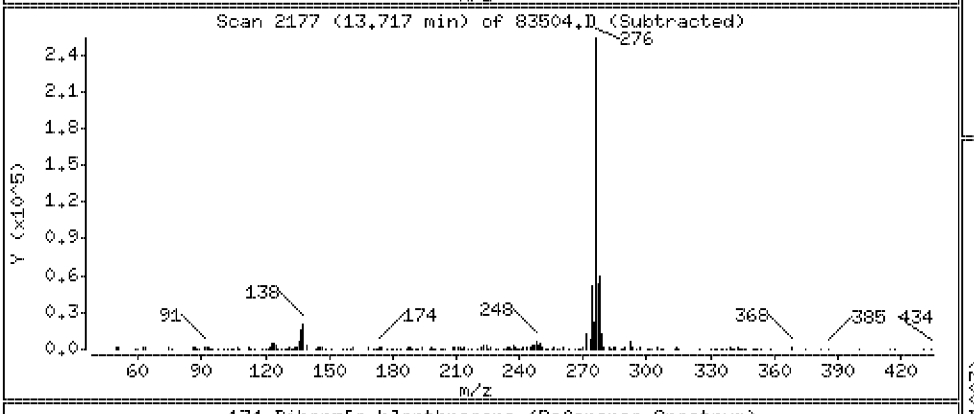
Column diameter: 0.25

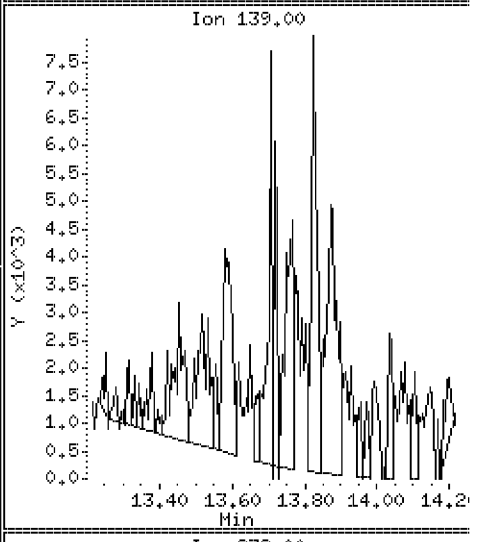
134 Dibenz[a,h]anthracene

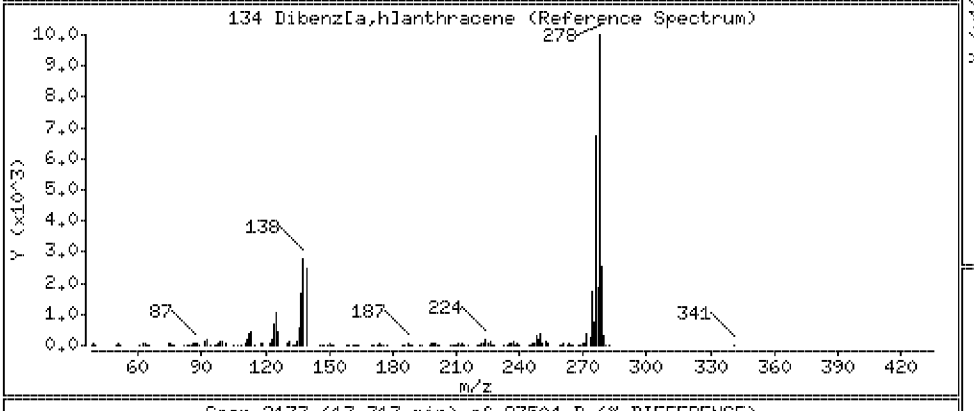
Concentration: 120 ug/kg

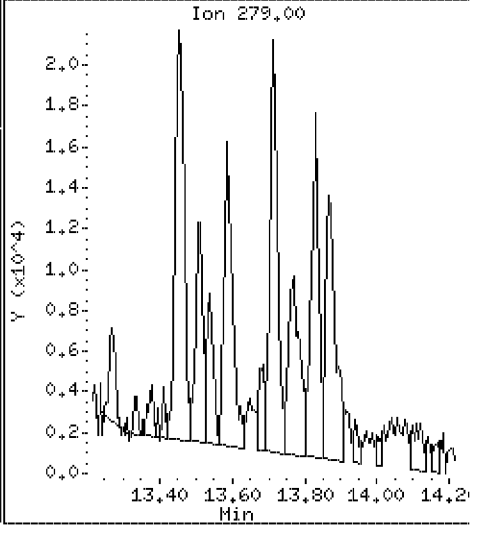


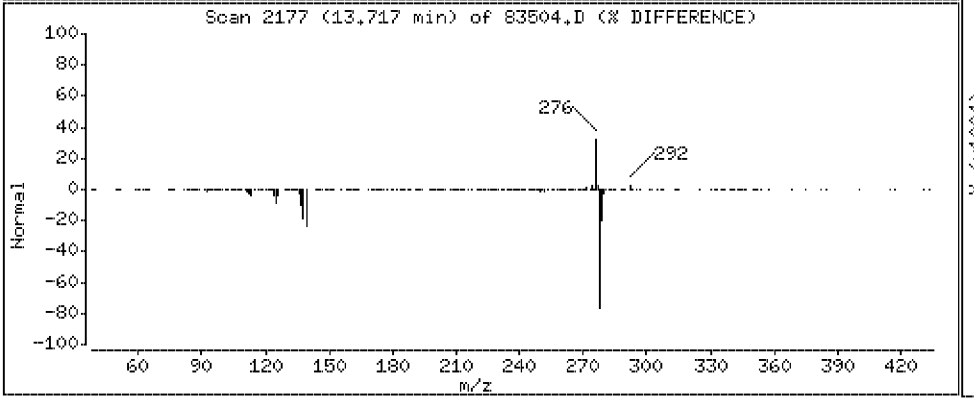












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Date : 26-APR-2012 16:42

Client ID: EPAFMC-SD-04

Instrument: smsd03.i

Sample Info: sw350583504

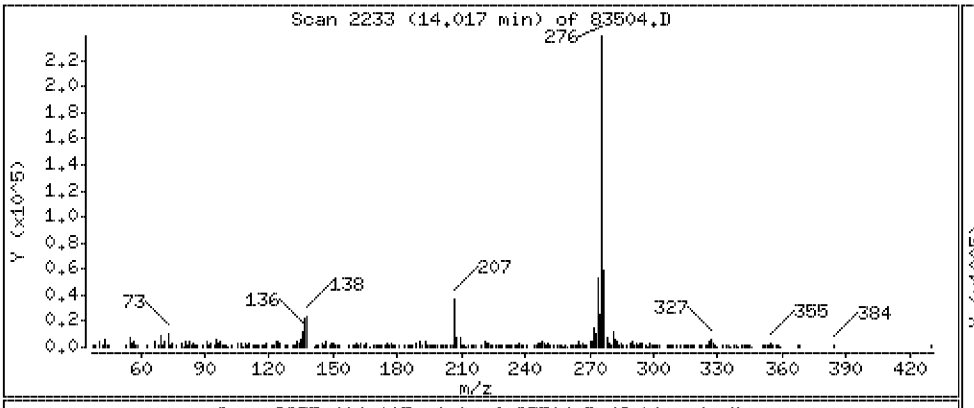
Operator: PEL

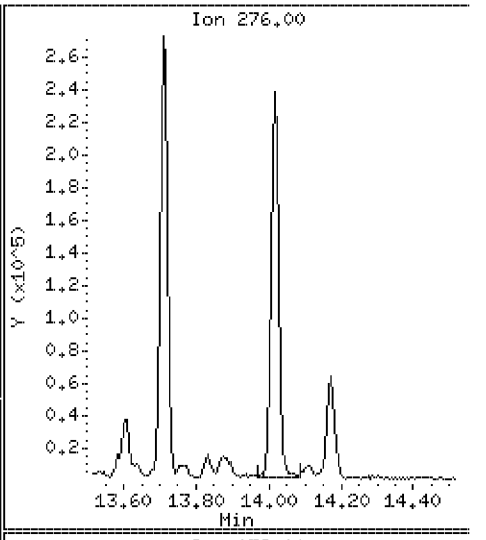
Column phase: HPMS-5

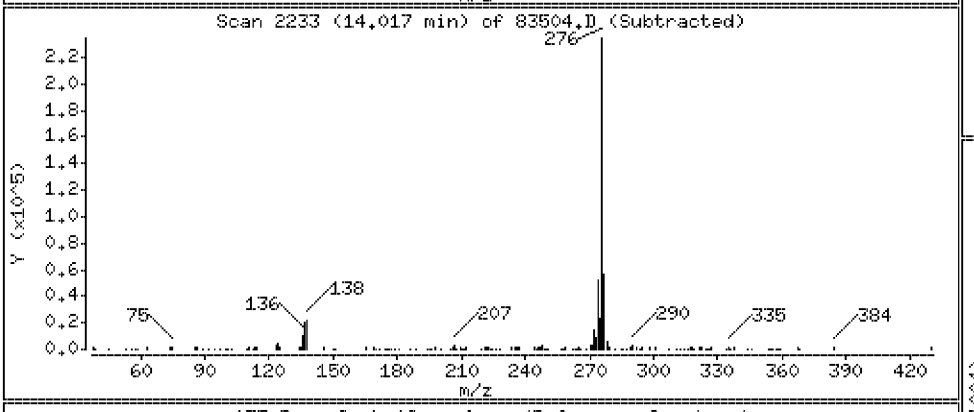
Column diameter: 0.25

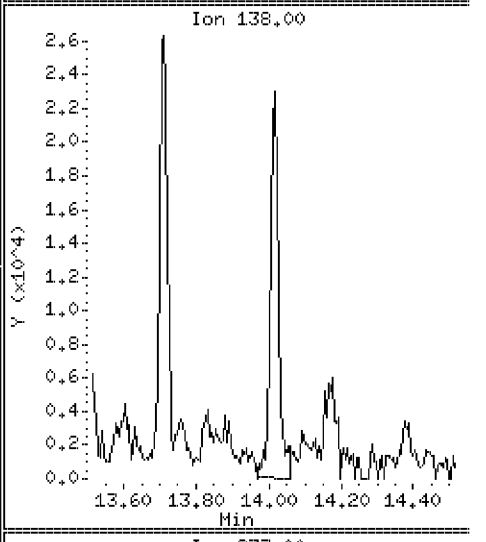
135 Benzo[g,h,i]perylene

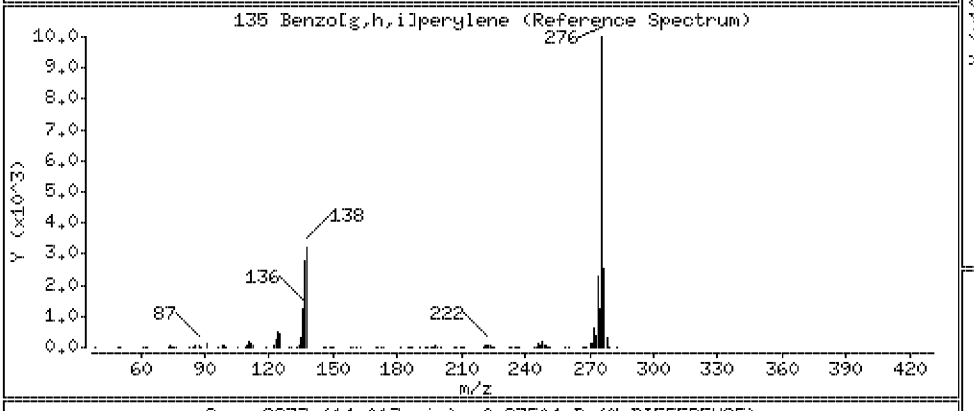
Concentration: 467 ug/kg

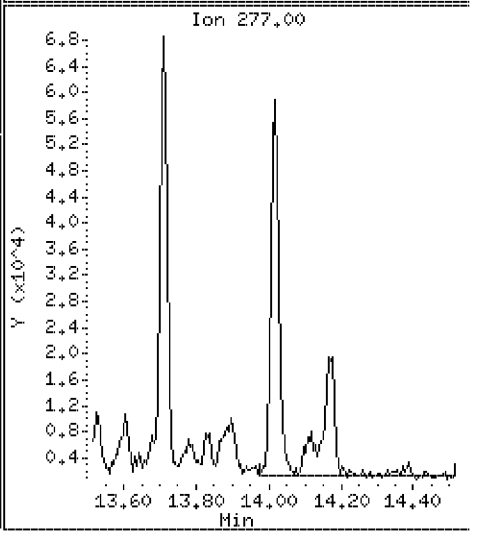


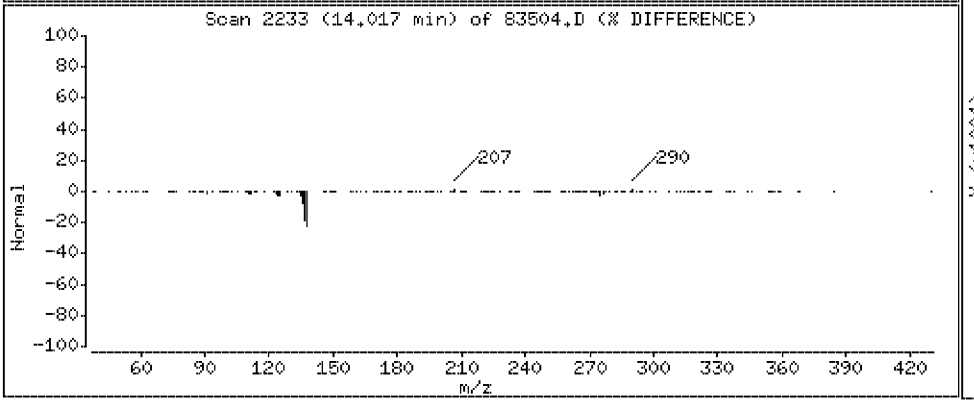












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 26-APR-2012 17:36 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583502
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 17
Dil Factor: 25.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	25.000	Dilution Factor
Ws	25.300	Weight of sample extracted (g)
M	19.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	298912	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	182499			33.39- 93.39	61.05
4.424	4.423	(1.000)	150	451524			121.52- 181.52	151.06
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	993514	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	50994			0.00- 35.32	5.13
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	690220	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	661148			66.43- 126.43	95.79
7.279	7.278	(1.000)	160	297414			14.76- 74.76	43.09
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.734	8.734	(1.000)	188	1350574	40.0000		80.00- 120.00	100.00
8.733	8.734	(1.000)	94	82282			0.00- 36.17	6.09
8.733	8.734	(1.000)	80	101935			0.00- 38.16	7.55
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.331	11.327	(1.000)	240	1803319	40.0000		80.00- 120.00	100.00

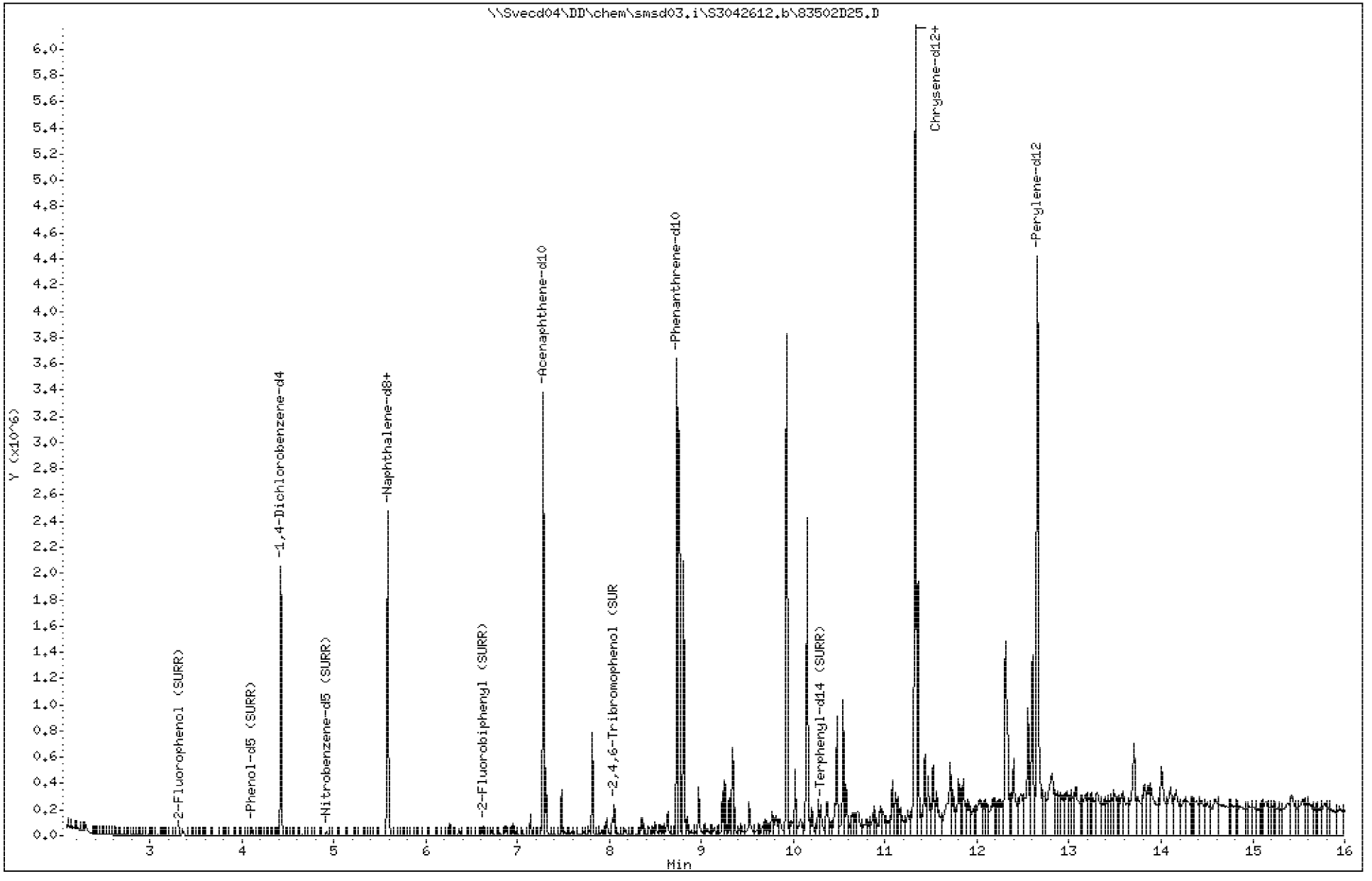
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.330	11.327	(1.000)	120	103455			0.00- 35.19	5.74
11.331	11.327	(1.000)	236	491467			0.00- 56.66	27.25
* 130 Perylene-d12						CAS #: 1520-96-3		
12.655	12.650	(1.000)	264	1711351	40.0000		80.00- 120.00	100.00
12.655	12.650	(1.000)	260	430101			0.00- 54.55	25.13
12.655	12.650	(1.000)	265	424525			0.00- 53.02	24.81

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D
Date : 26-APR-2012 17:36
Client ID: EPAFMC-SD-02
Sample Info: sw350583502

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2366

3505835



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Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

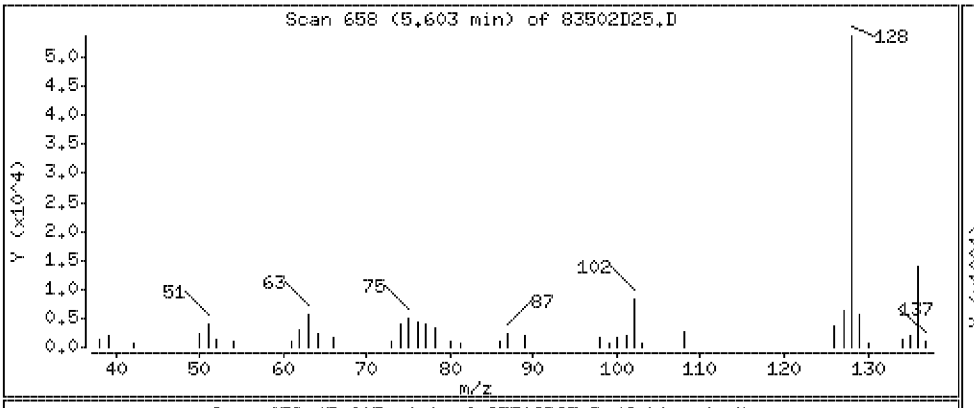
Operator: PEL

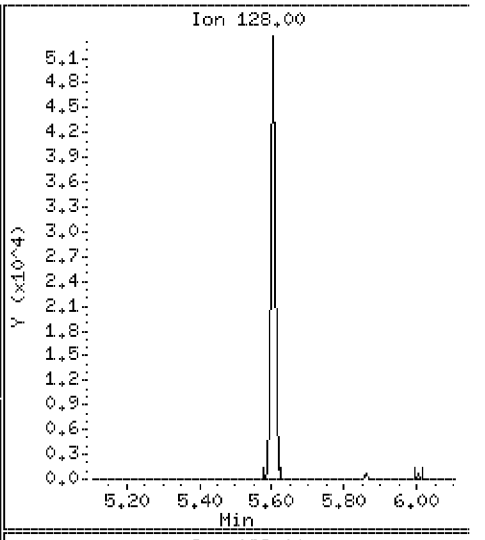
Column phase: HPMS-5

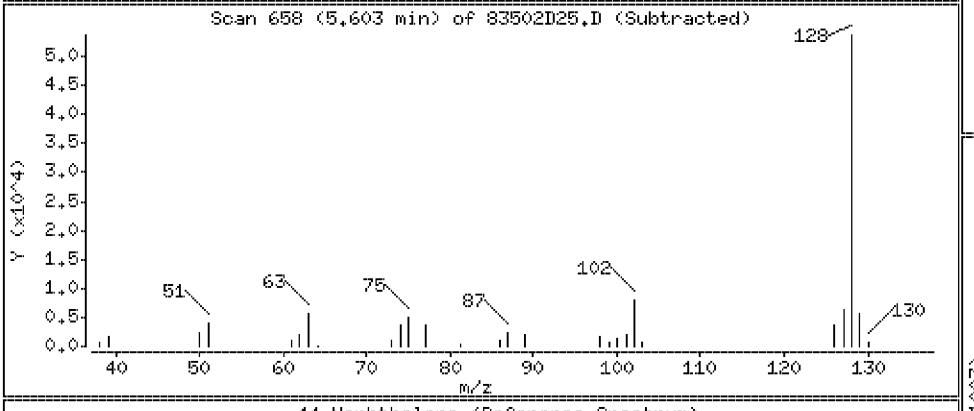
Column diameter: 0.25

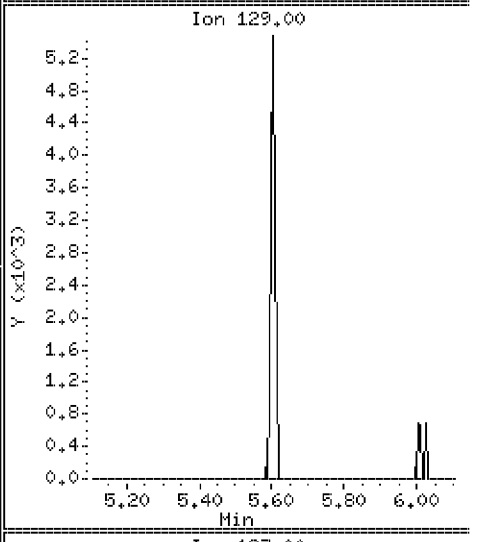
44 Naphthalene

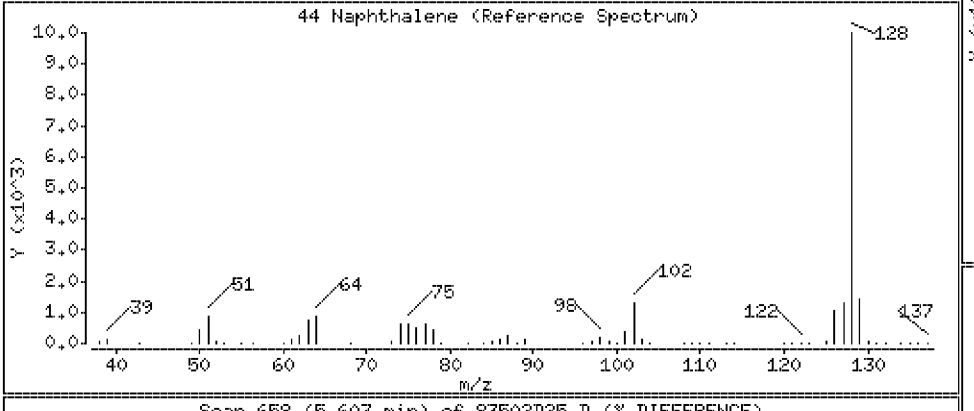
Concentration: 2150 ug/kg

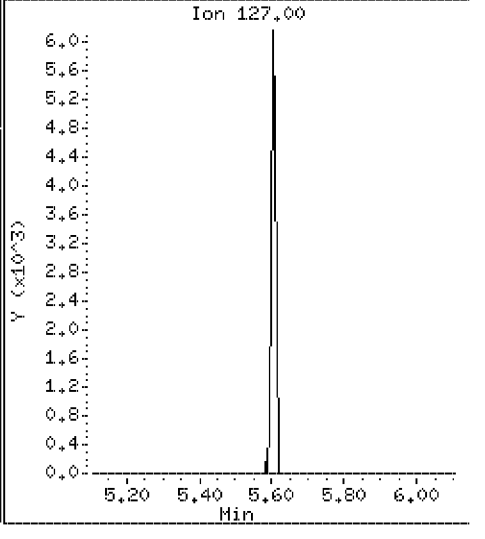


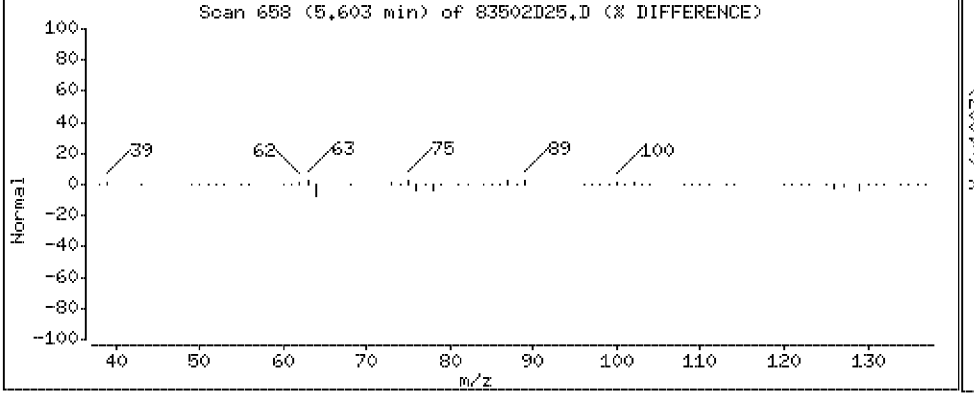












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

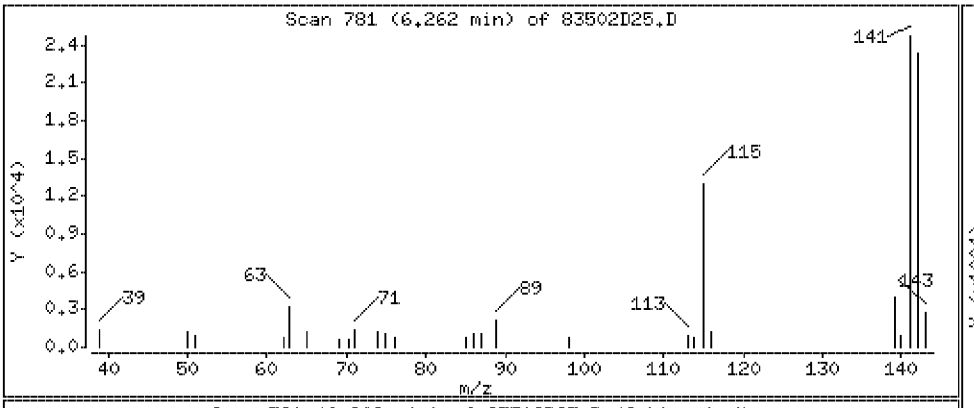
Operator: PEL

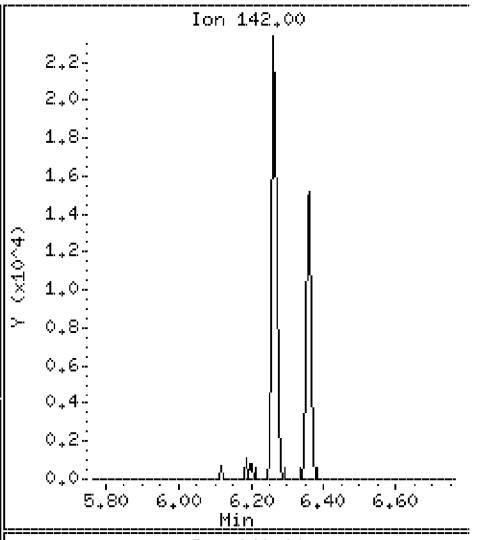
Column phase: HPMS-5

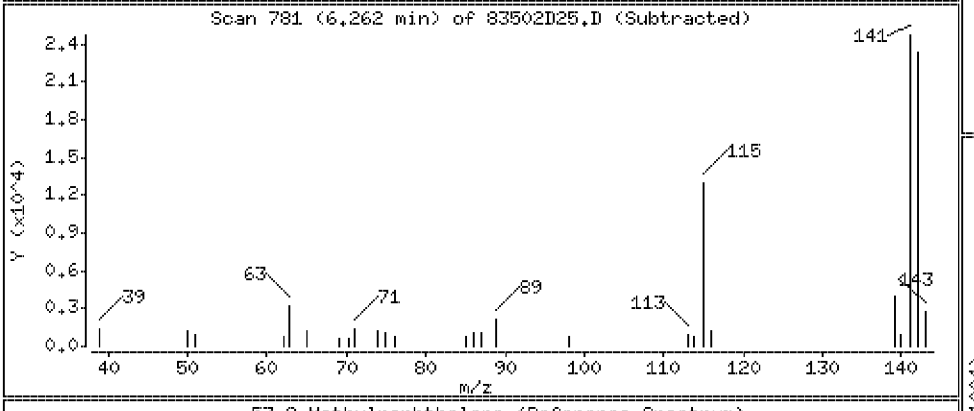
Column diameter: 0.25

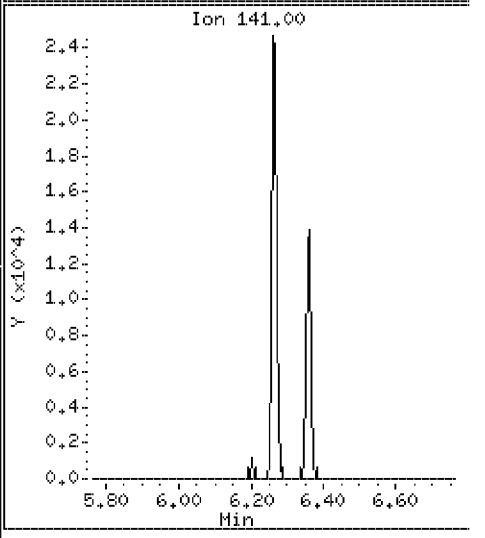
53 2-Methylnaphthalene

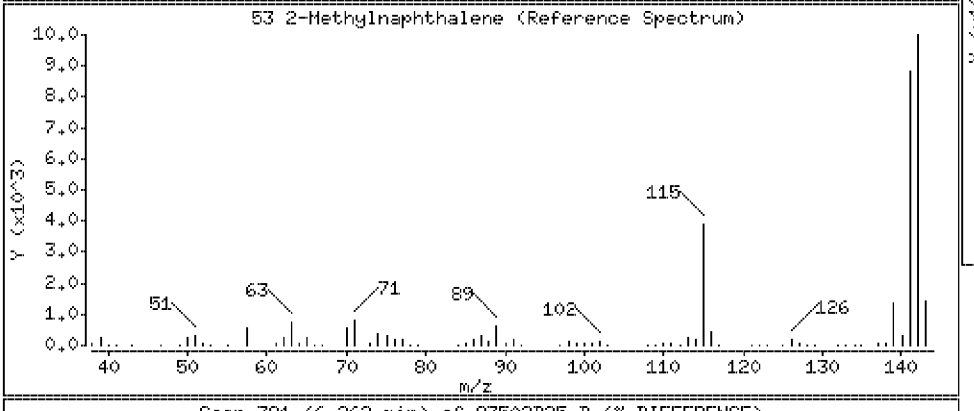
Concentration: 1460 ug/kg

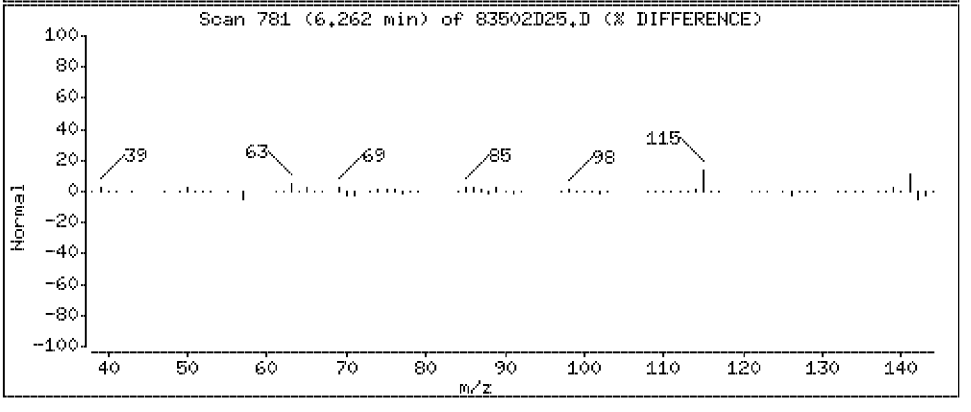












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

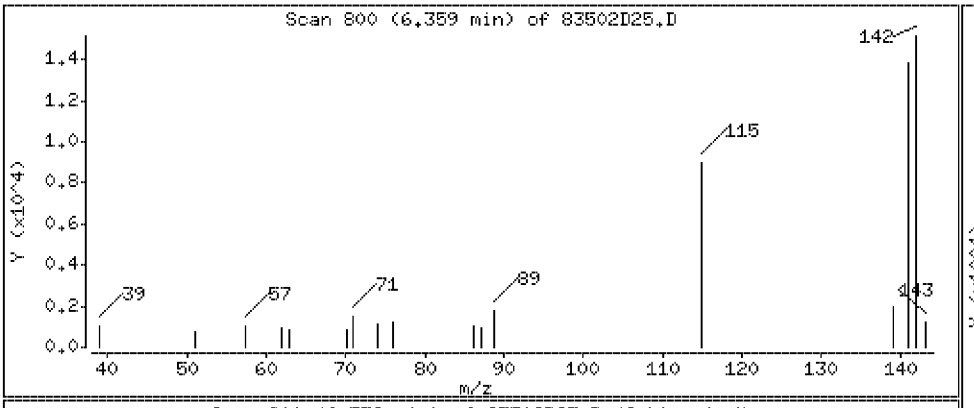
Operator: PEL

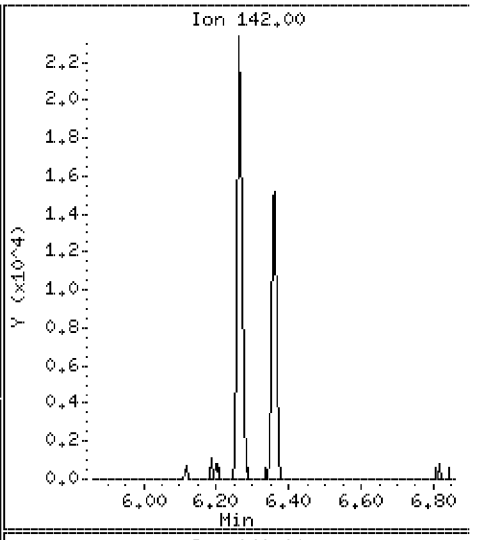
Column phase: HPMS-5

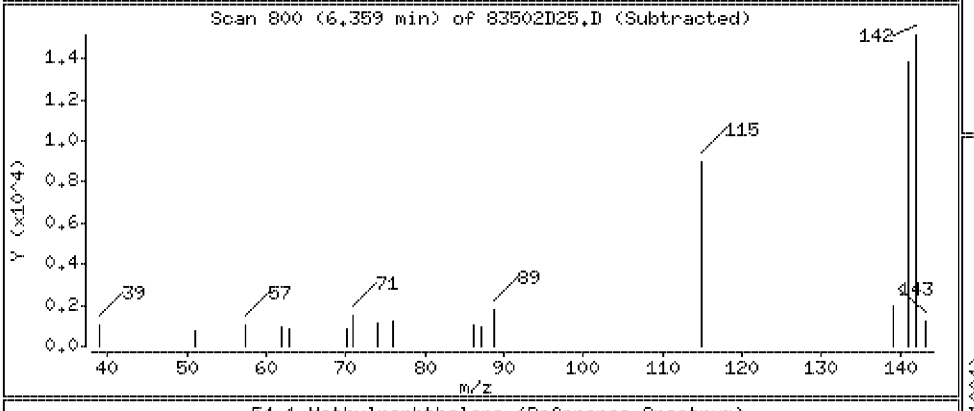
Column diameter: 0.25

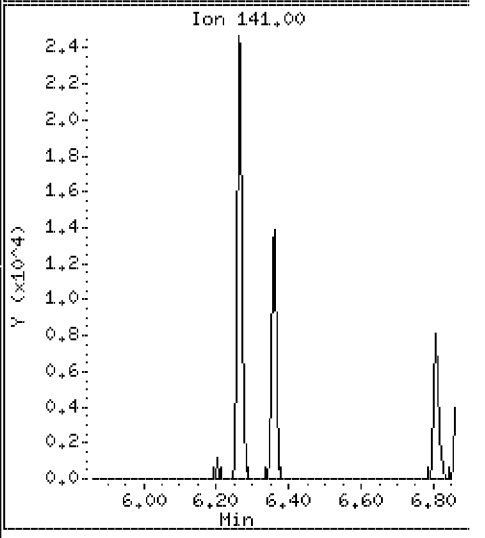
54 1-Methylnaphthalene

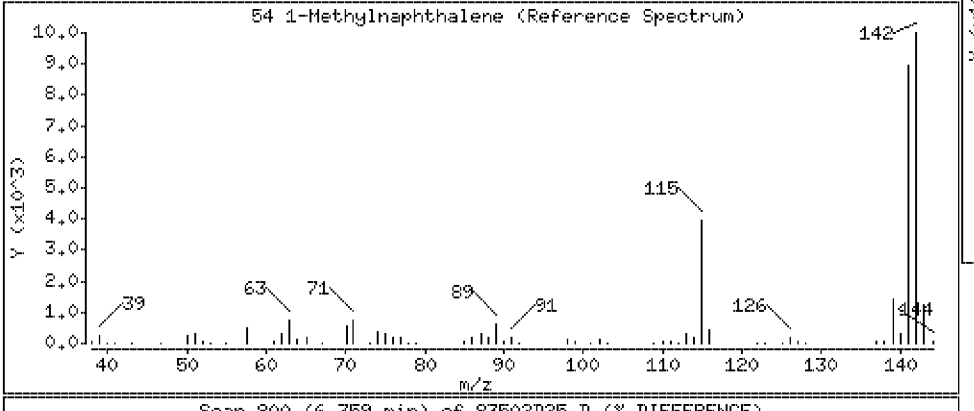
Concentration: 1040 ug/kg

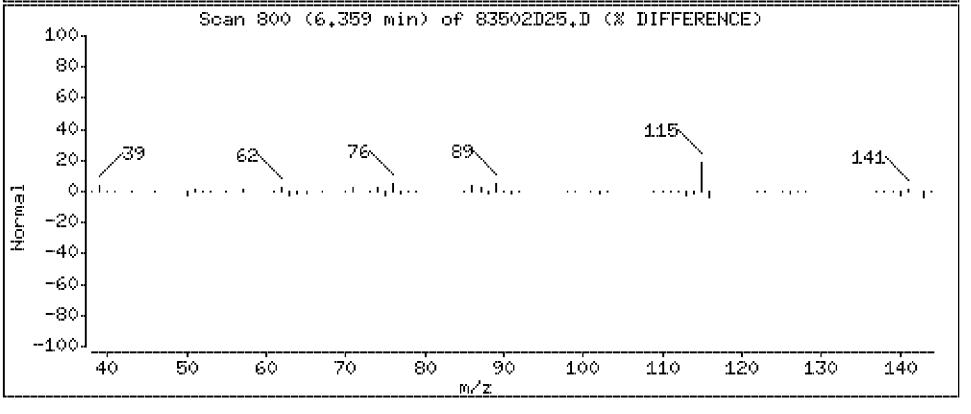












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

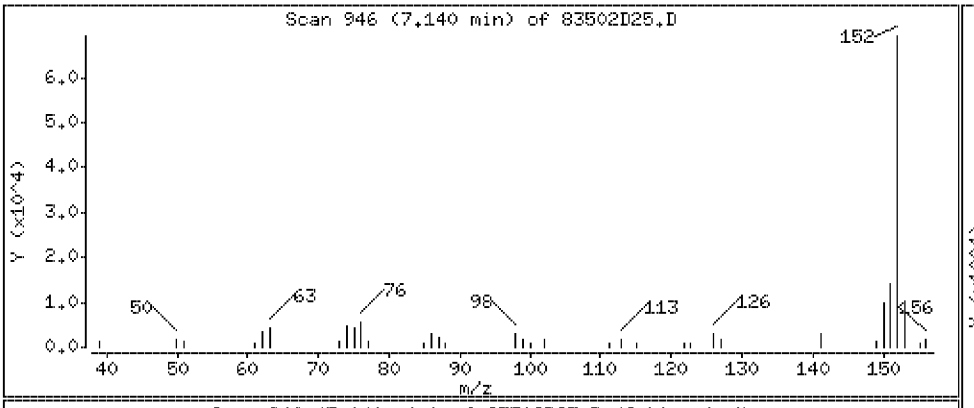
Operator: PEL

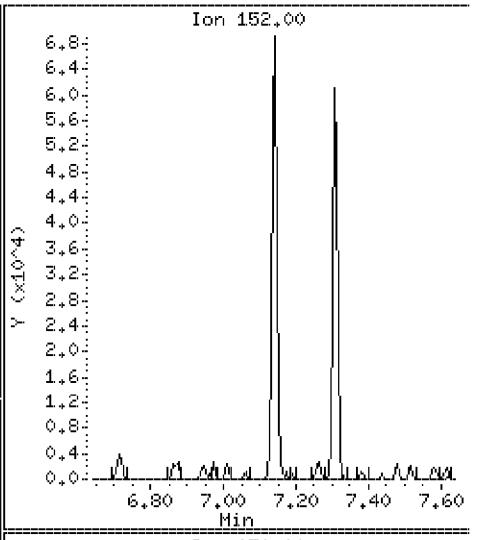
Column phase: HPMS-5

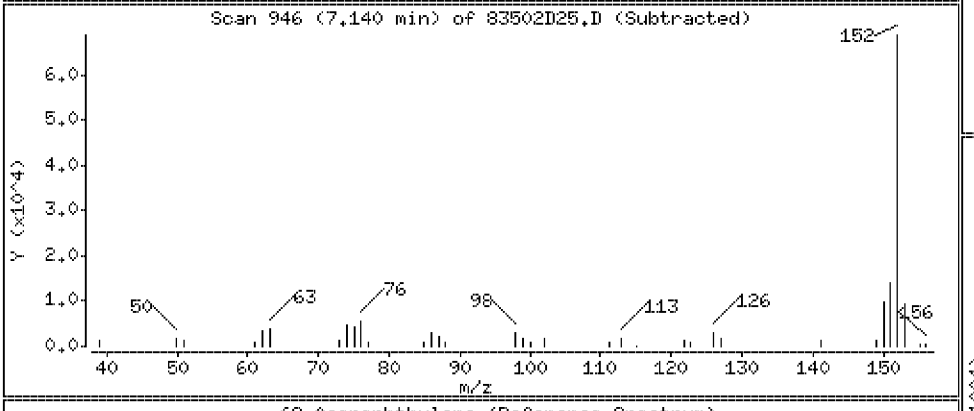
Column diameter: 0.25

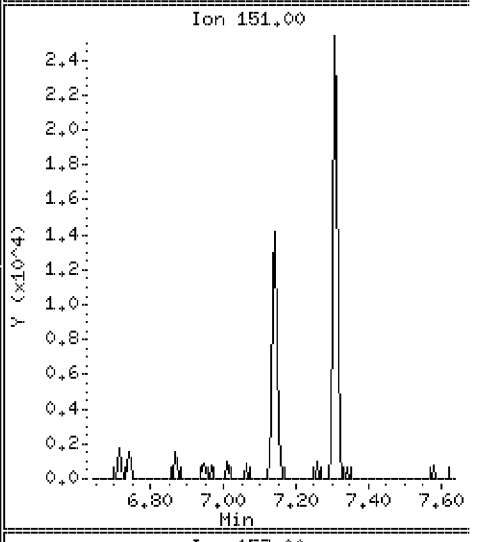
68 Acenaphthylene

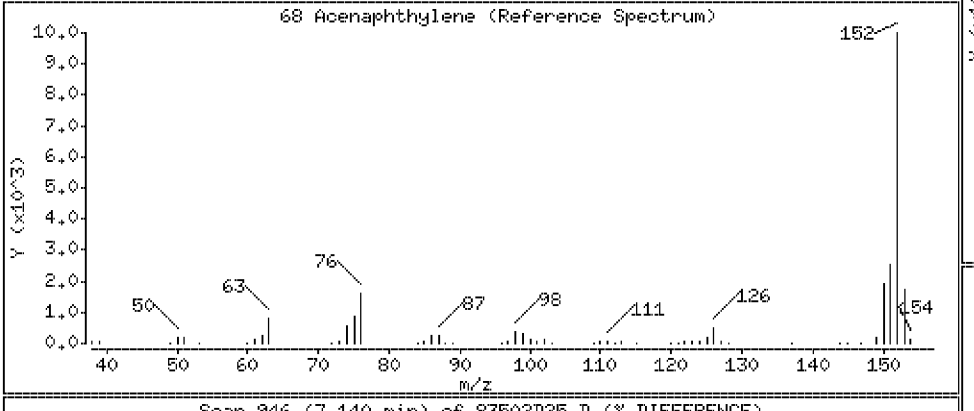
Concentration: 2660 ug/kg

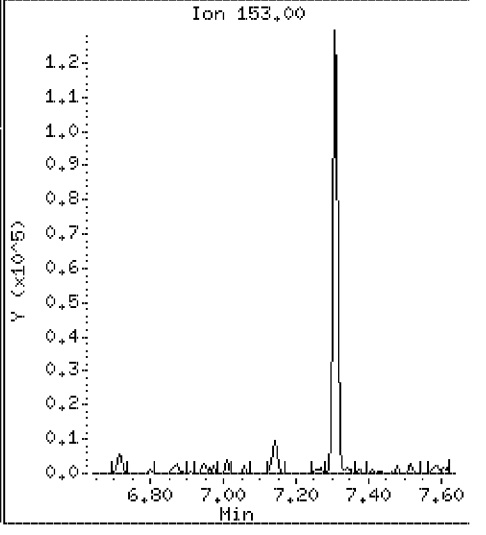


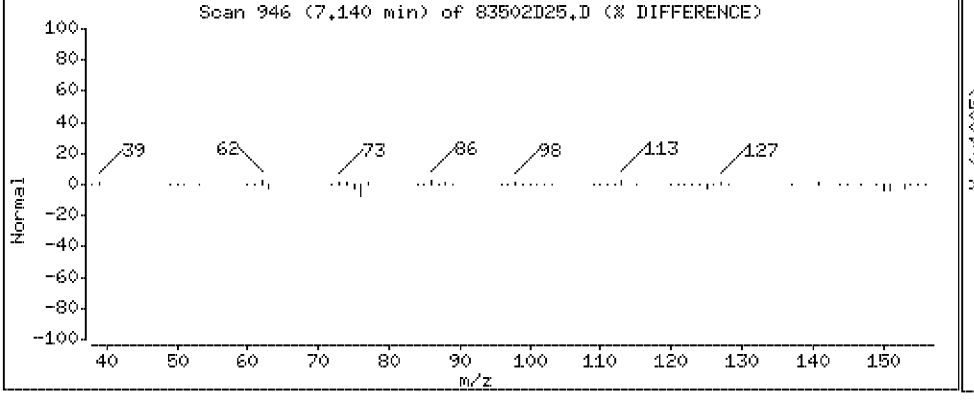












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

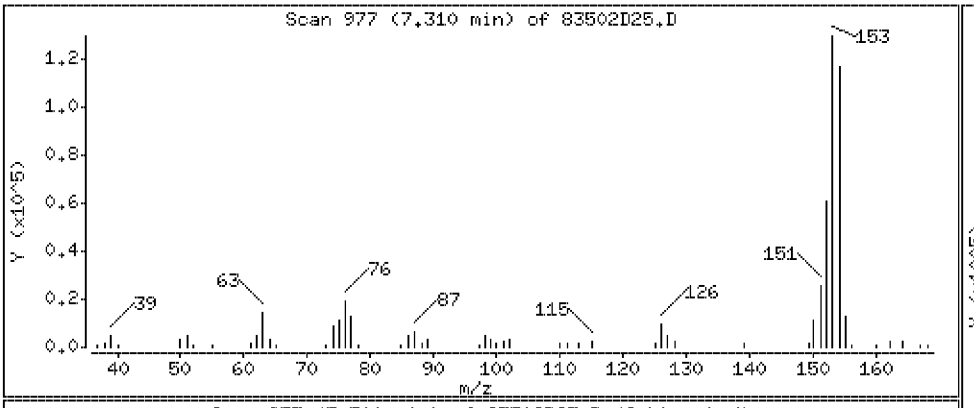
Operator: PEL

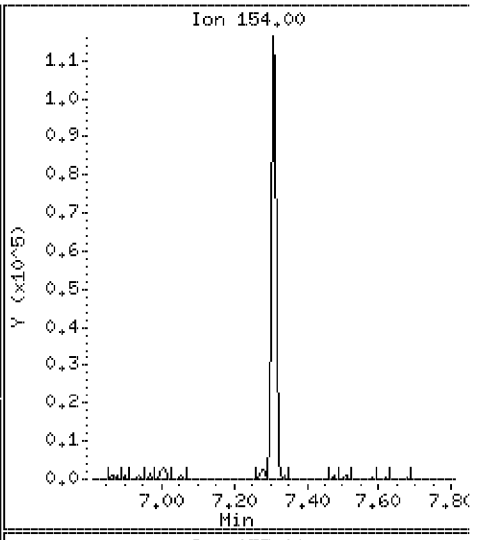
Column phase: HPMS-5

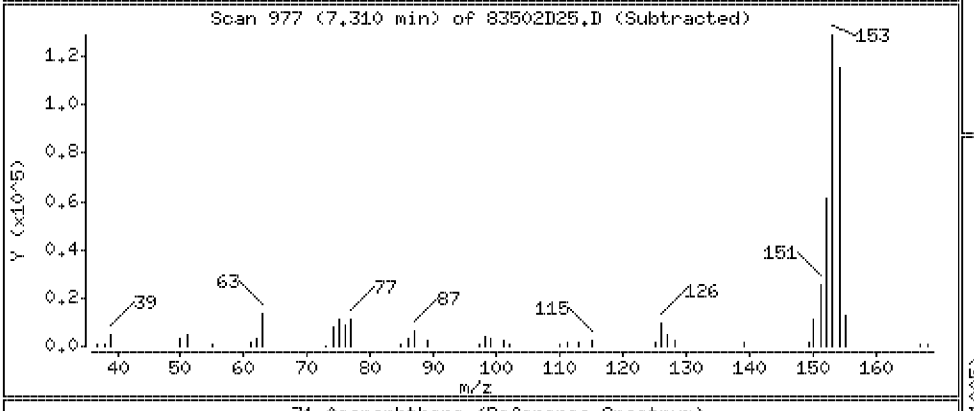
Column diameter: 0.25

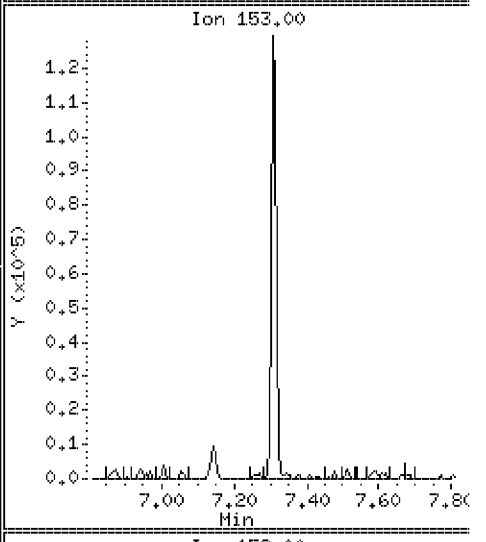
71 Acenaphthene

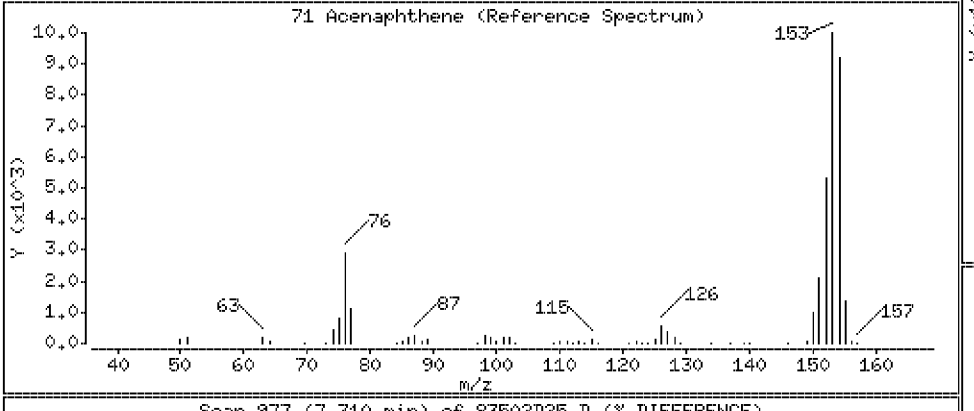
Concentration: 7220 ug/kg

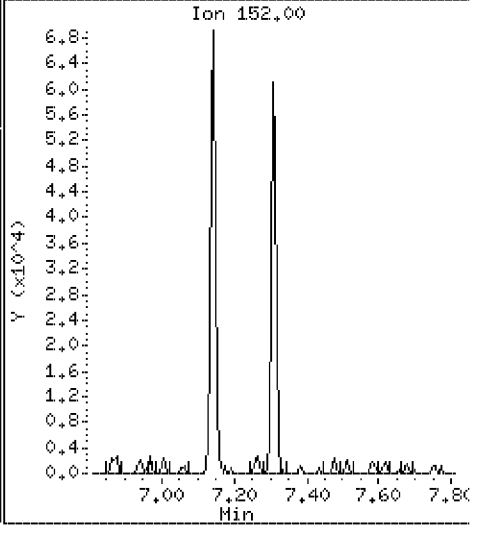


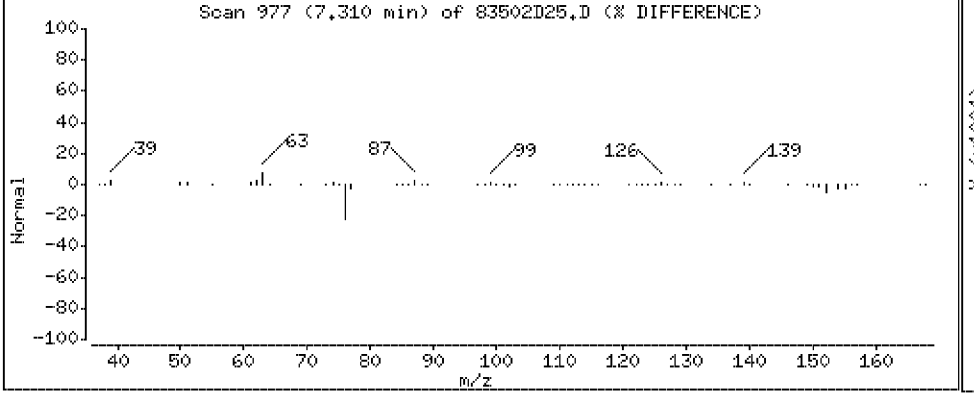












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

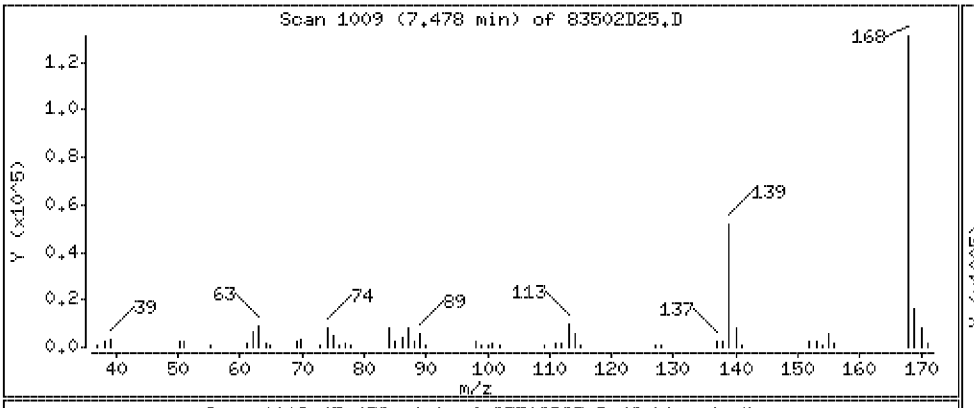
Operator: PEL

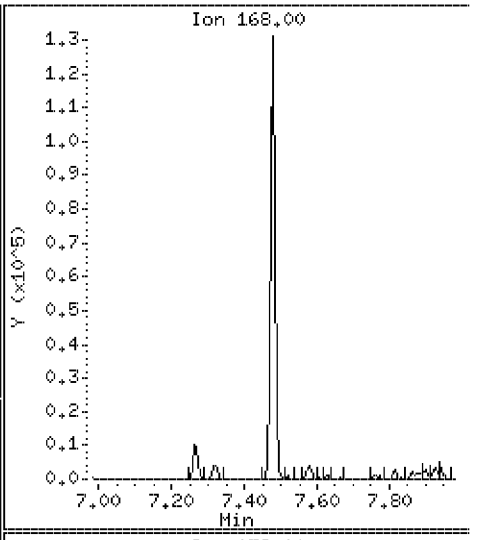
Column phase: HPMS-5

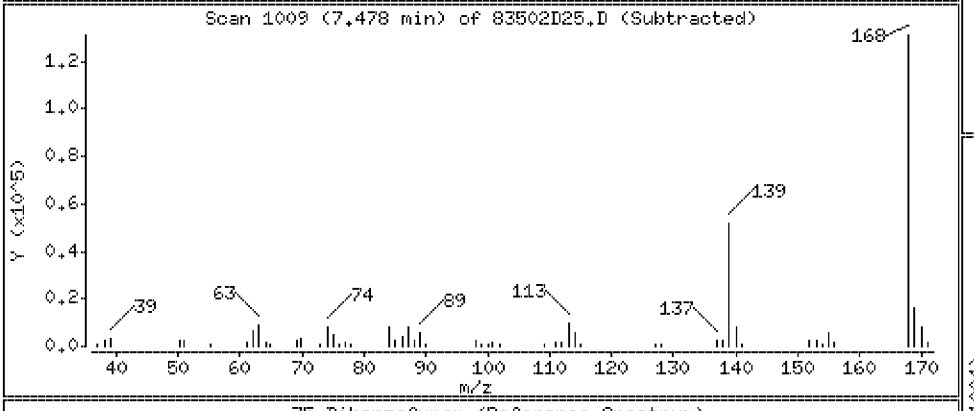
Column diameter: 0.25

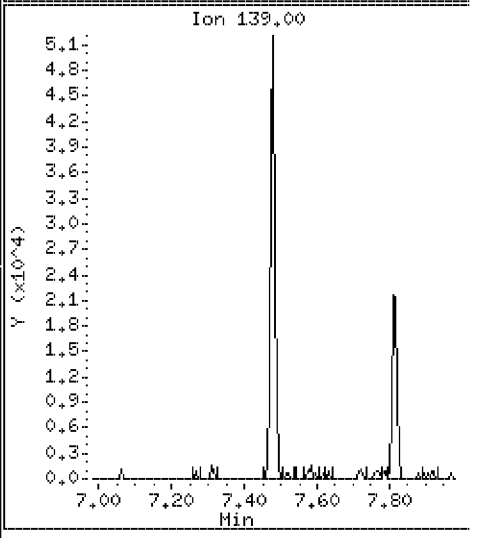
75 Dibenzofuran

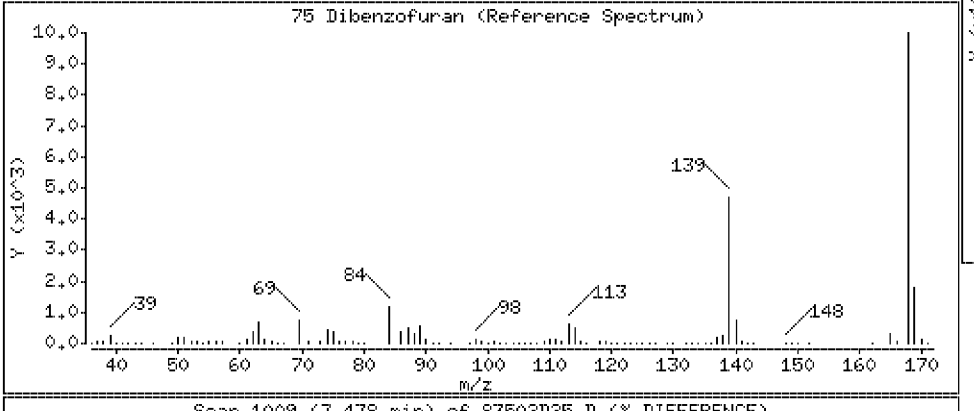
Concentration: 4670 ug/kg

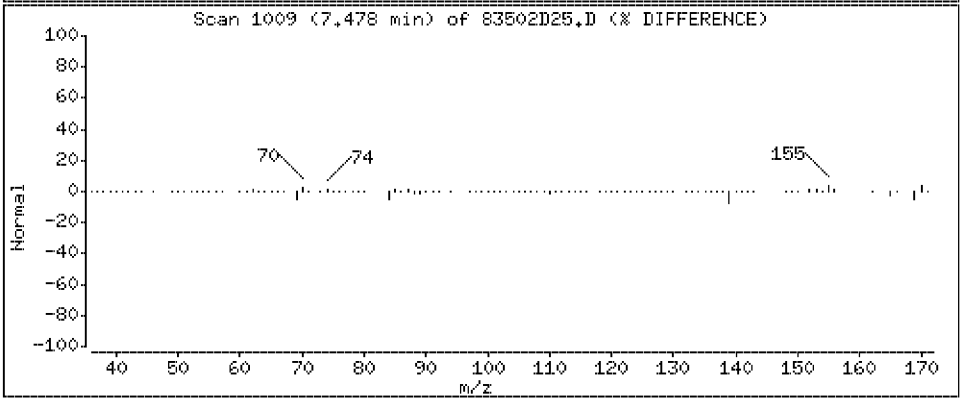












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

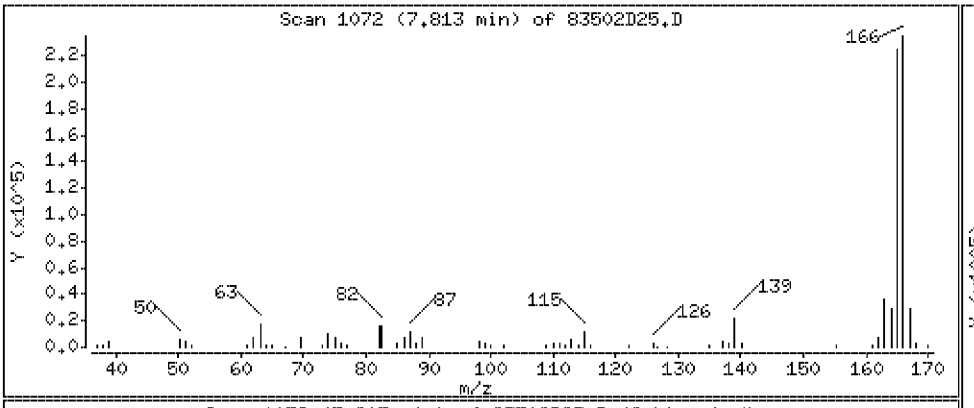
Operator: PEL

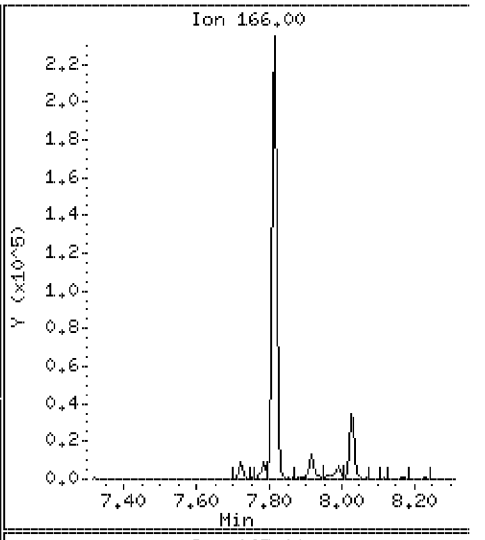
Column phase: HPMS-5

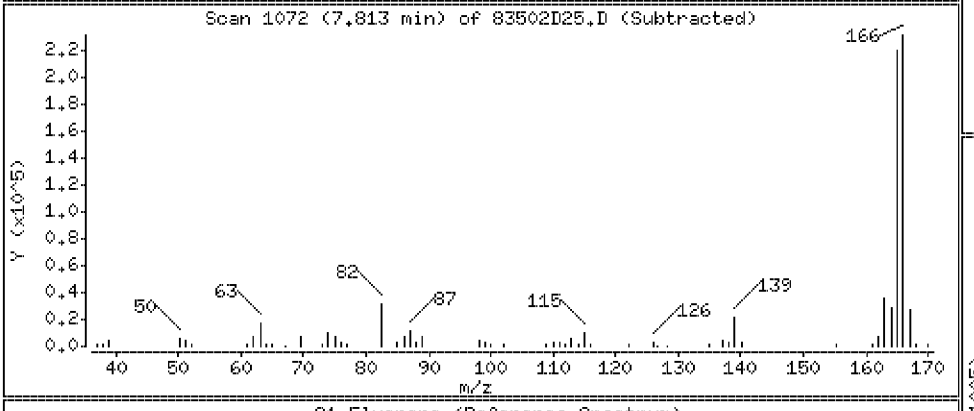
Column diameter: 0.25

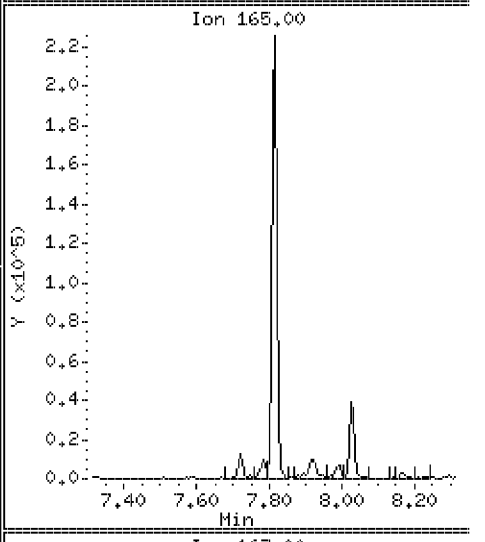
81 Fluorene

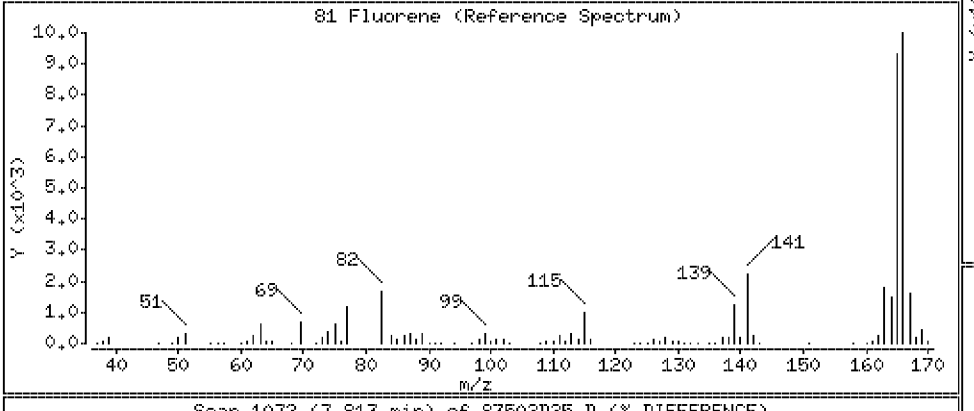
Concentration: 10300 ug/kg

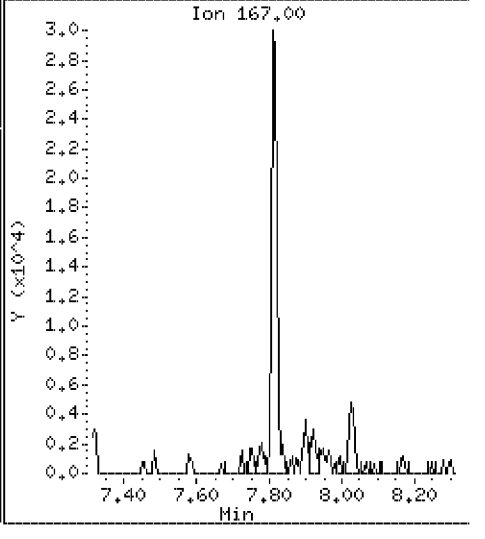


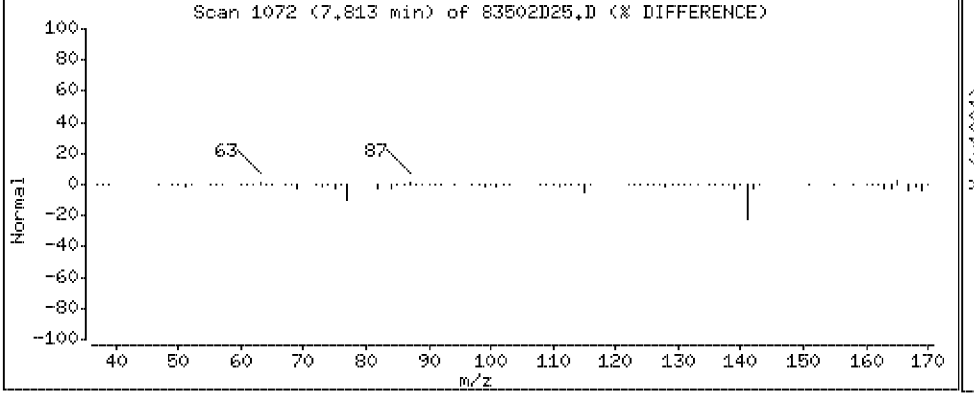












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

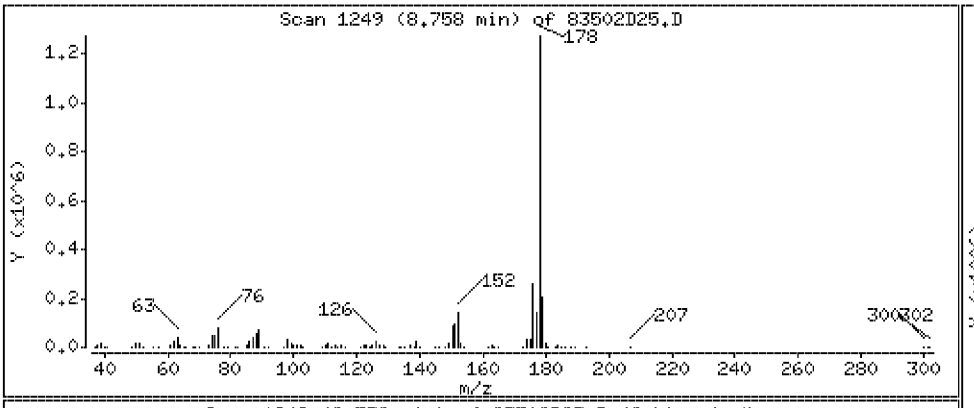
Operator: PEL

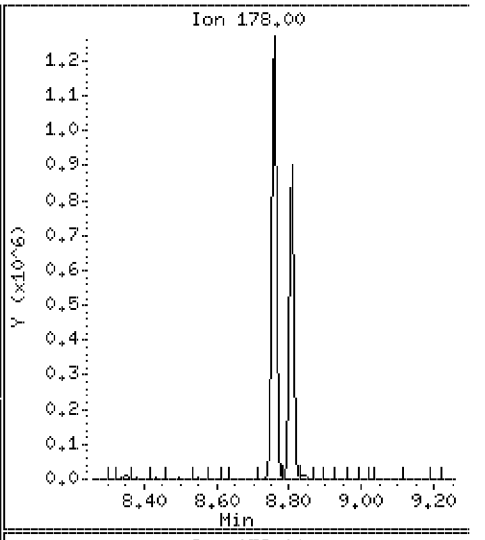
Column phase: HPMS-5

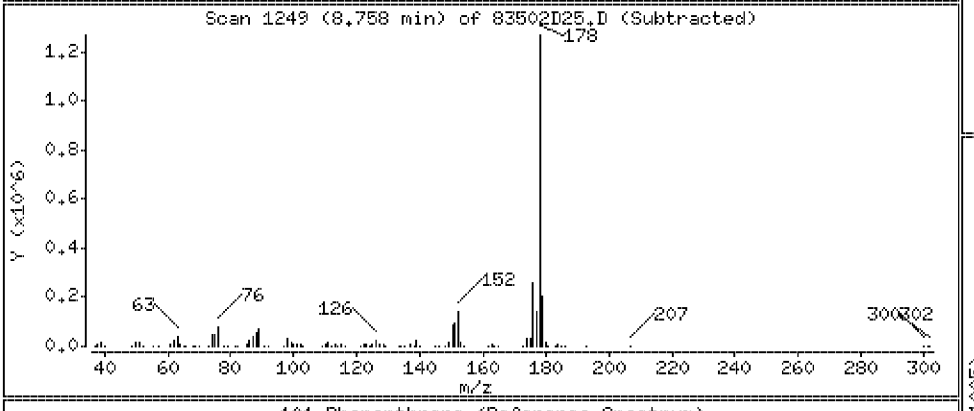
Column diameter: 0.25

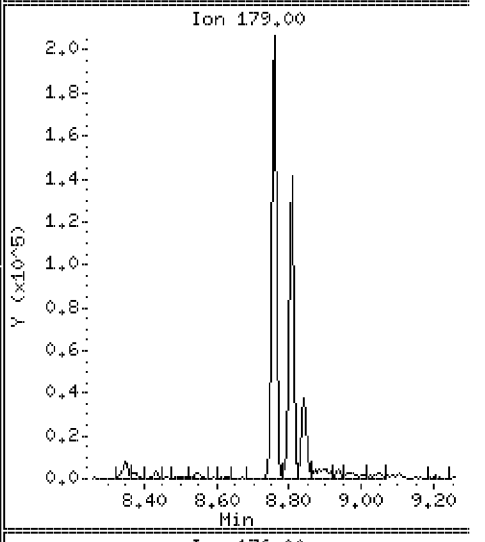
101 Phenanthrene

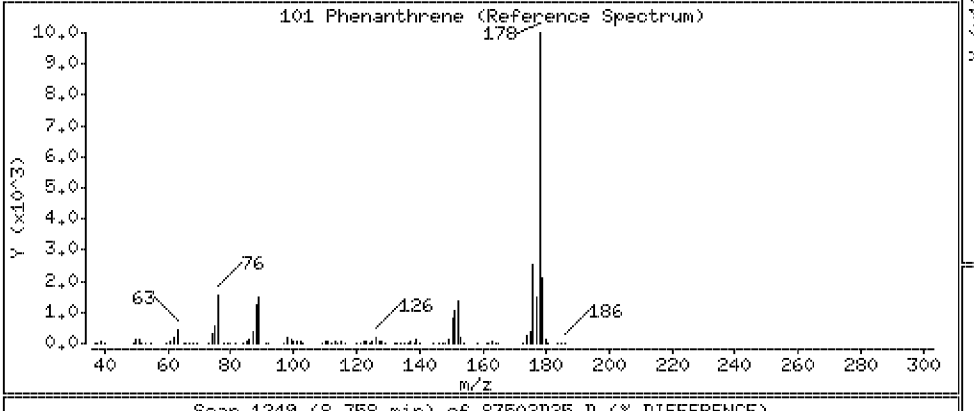
Concentration: 40900 ug/kg

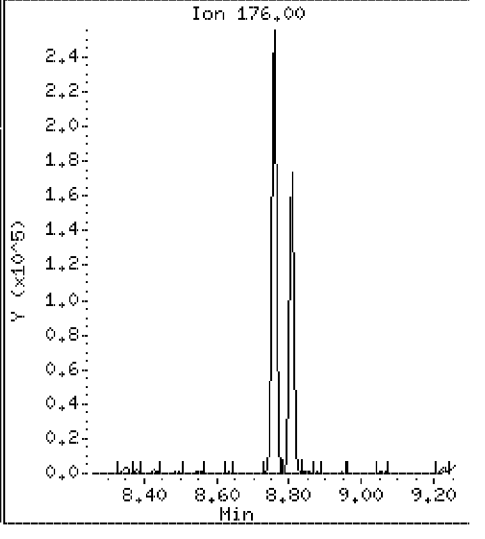


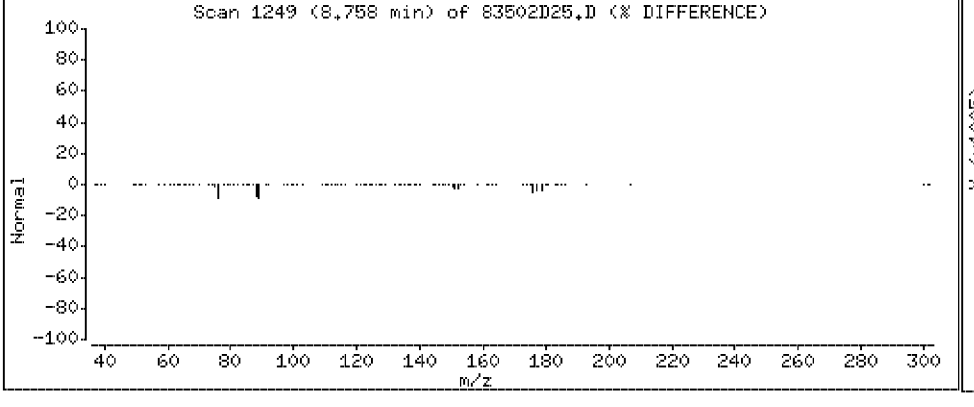












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

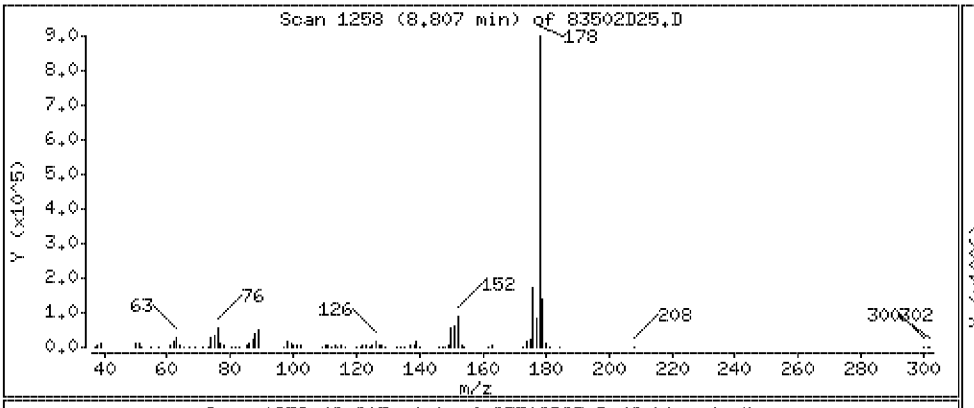
Operator: PEL

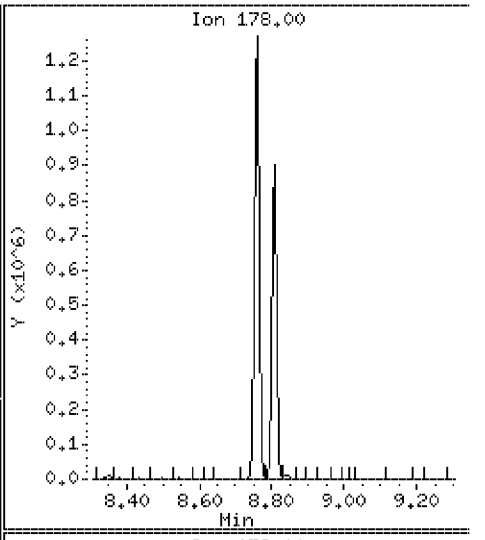
Column phase: HPMS-5

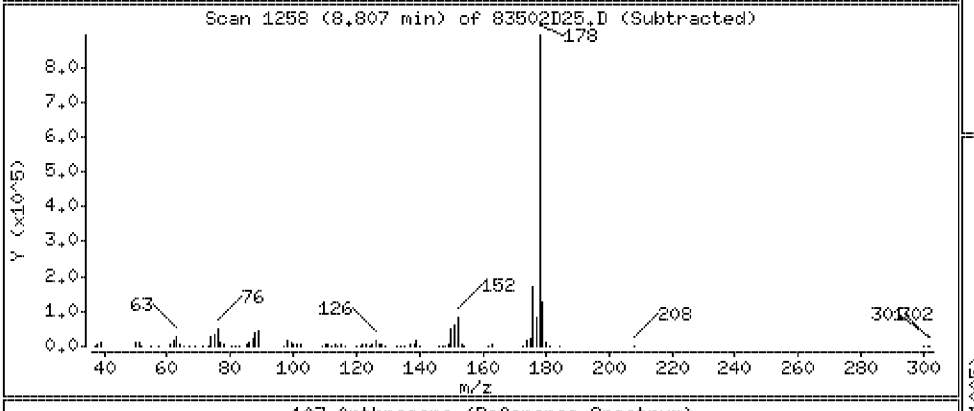
Column diameter: 0.25

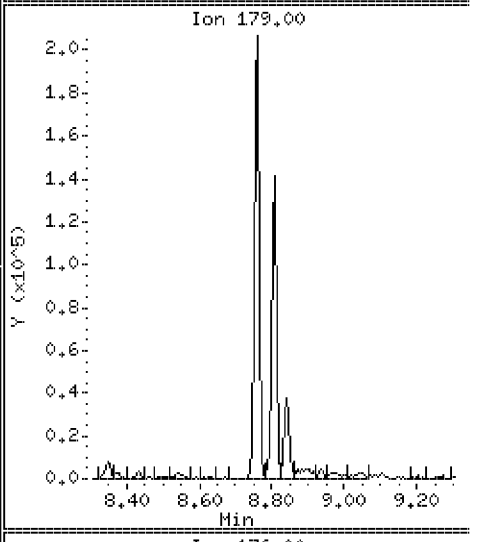
103 Anthracene

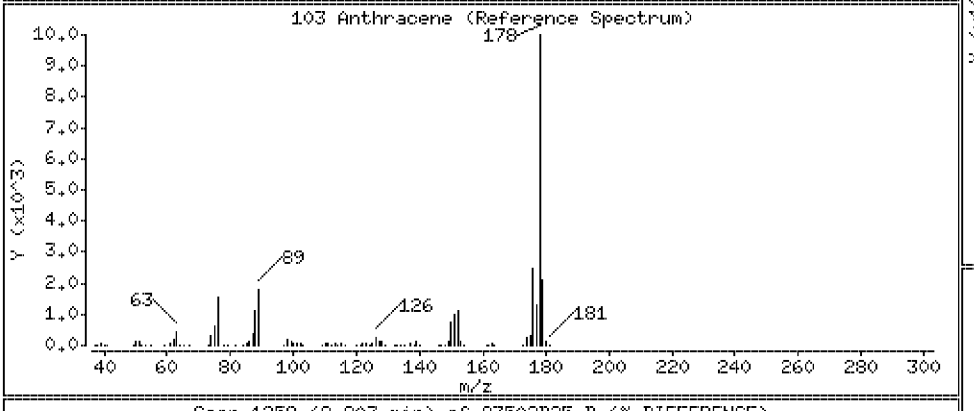
Concentration: 28200 ug/kg

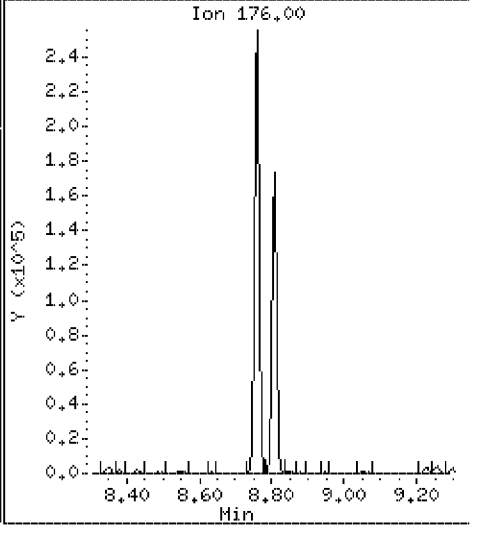


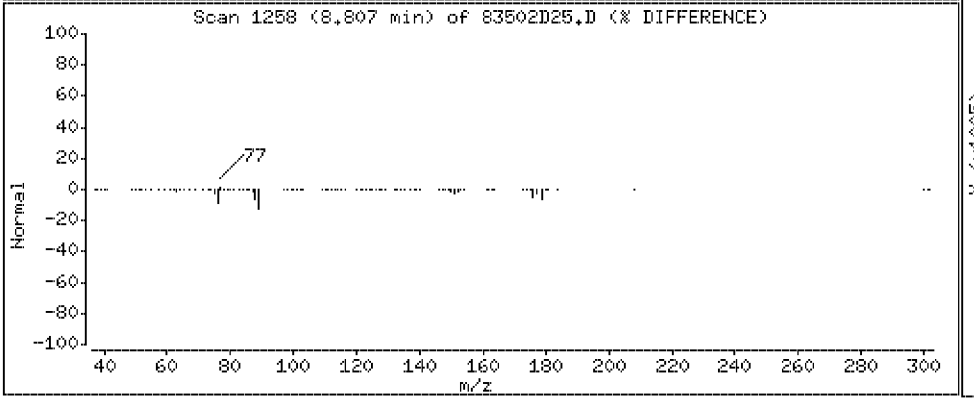












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

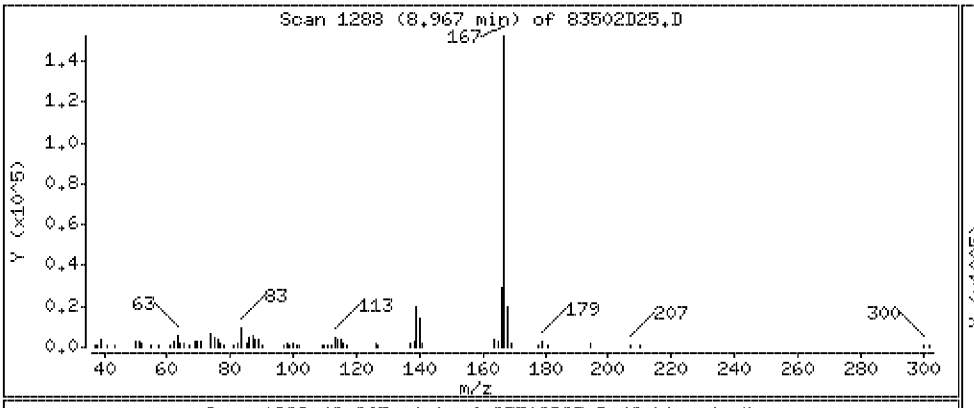
Operator: PEL

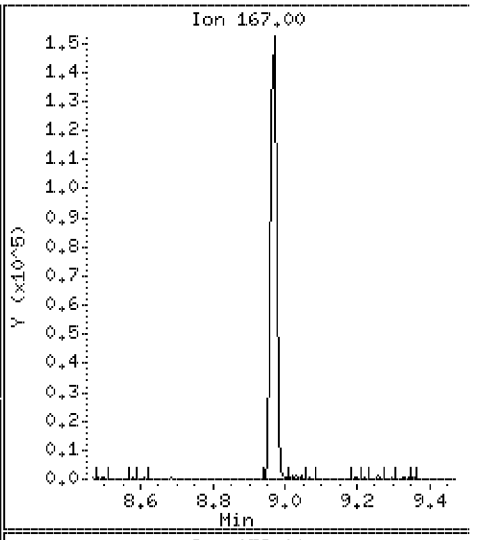
Column phase: HPMS-5

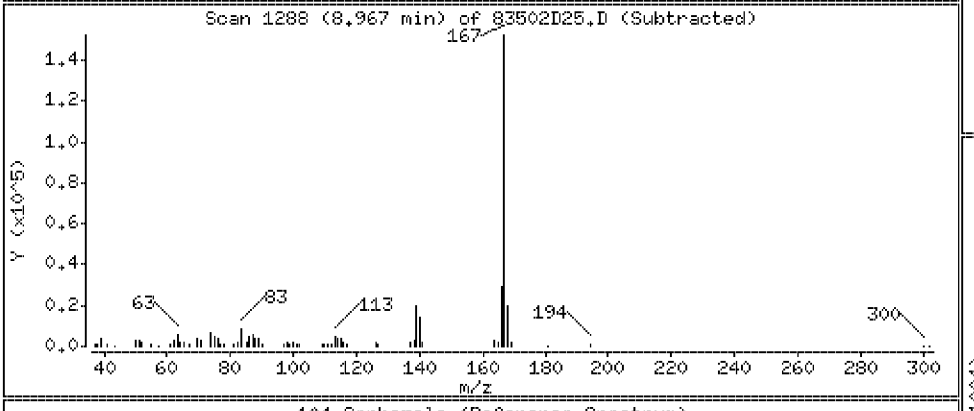
Column diameter: 0.25

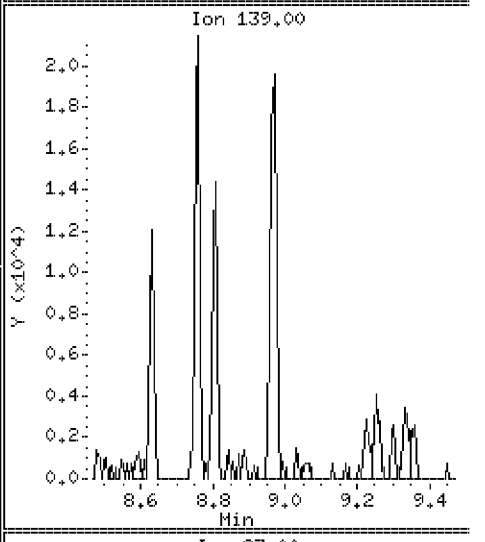
104 Carbazole

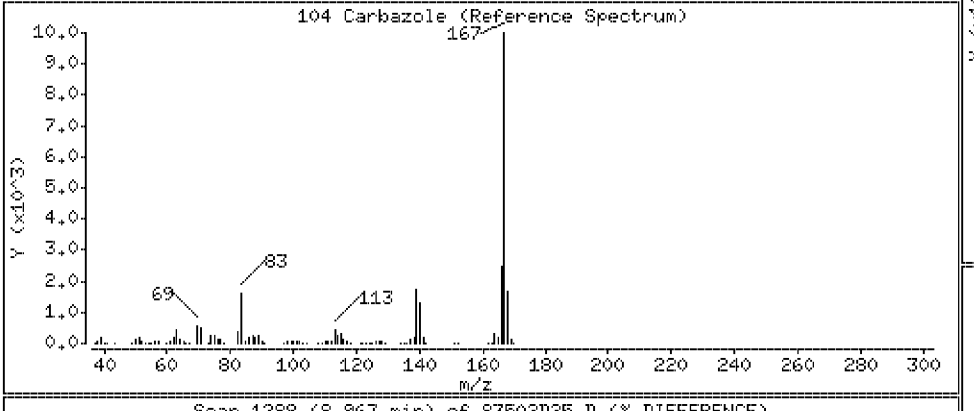
Concentration: 6000 ug/kg

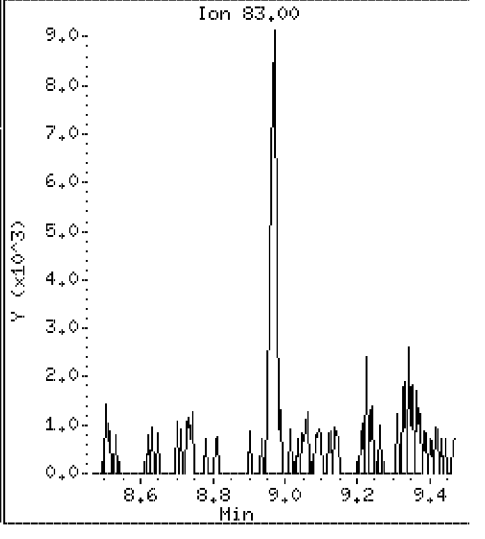


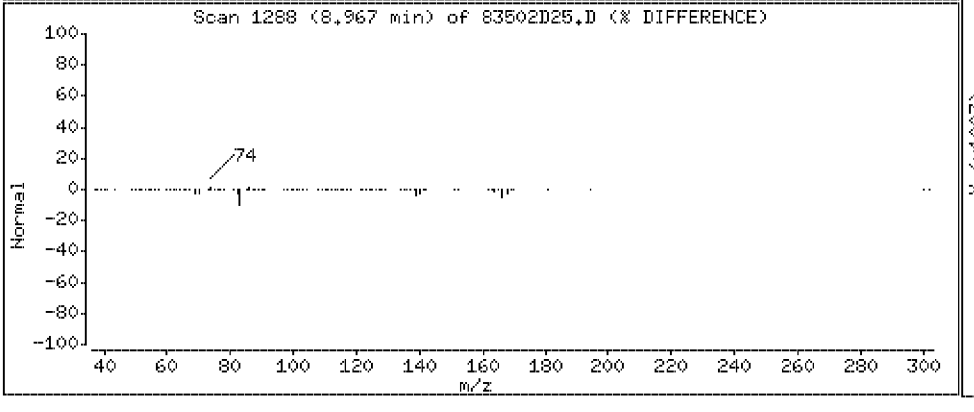












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

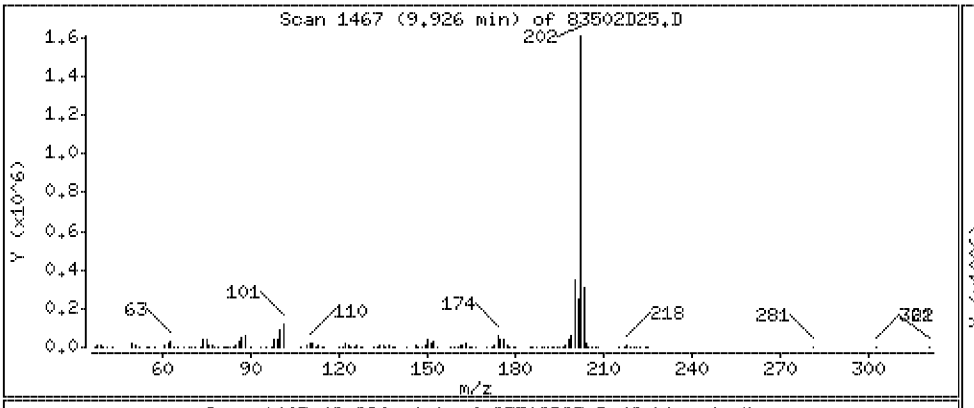
Operator: PEL

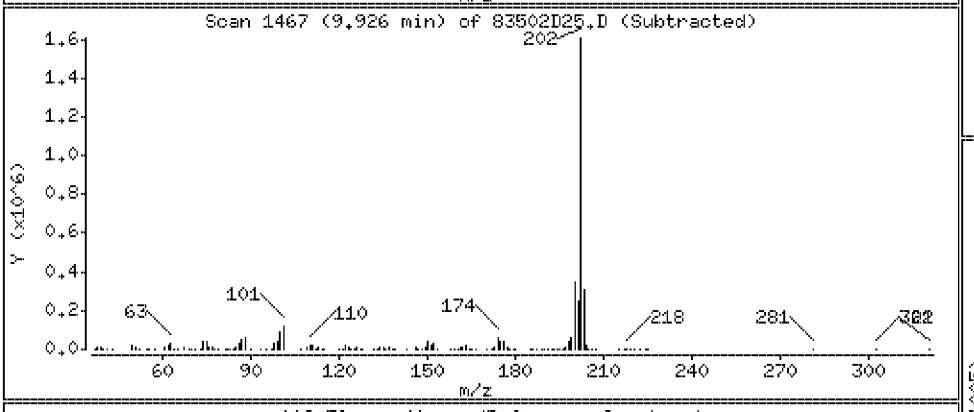
Column phase: HPMS-5

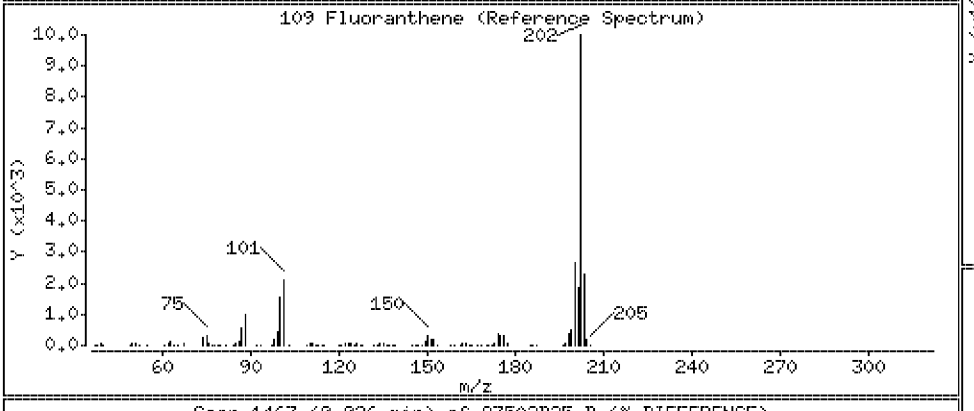
Column diameter: 0.25

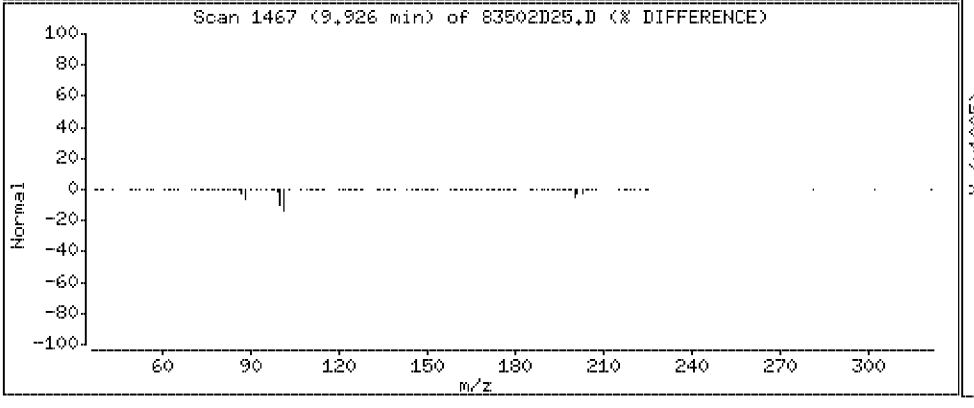
109 Fluoranthene

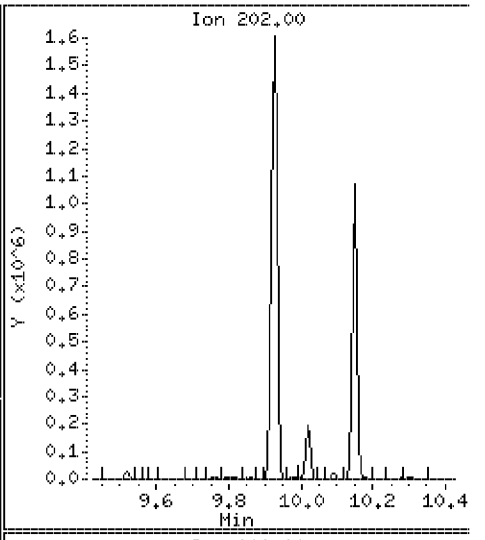
Concentration: 44700 ug/kg

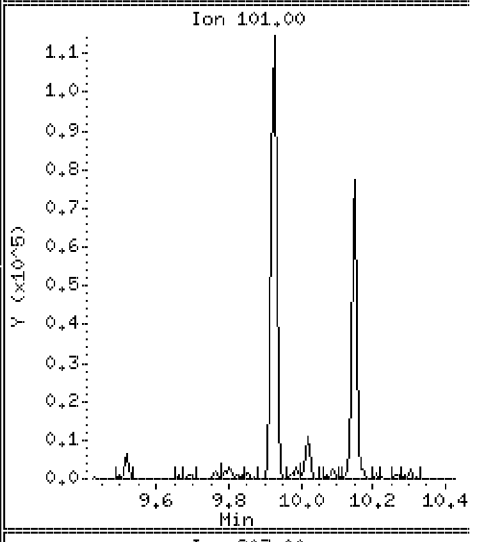


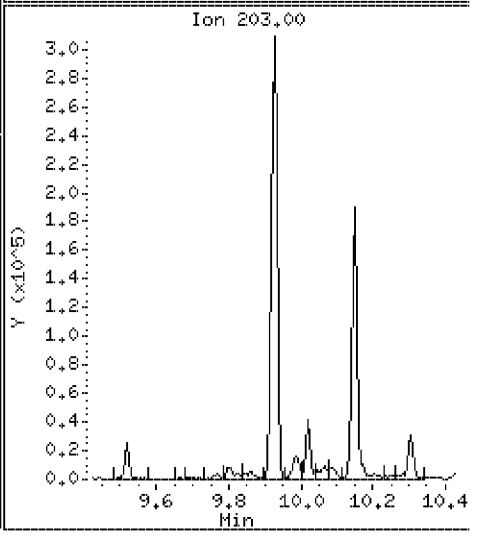












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

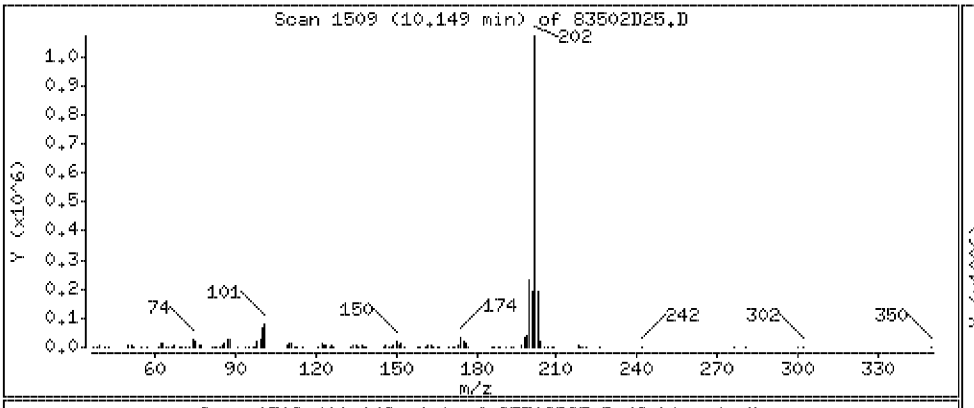
Operator: PEL

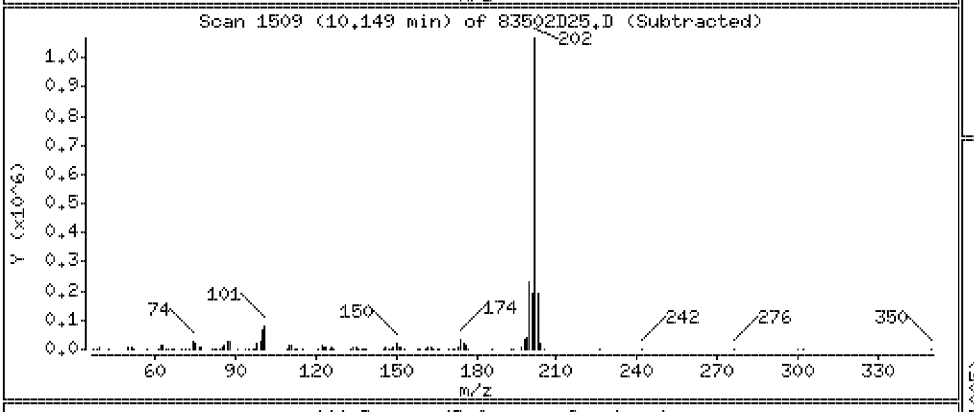
Column phase: HPMS-5

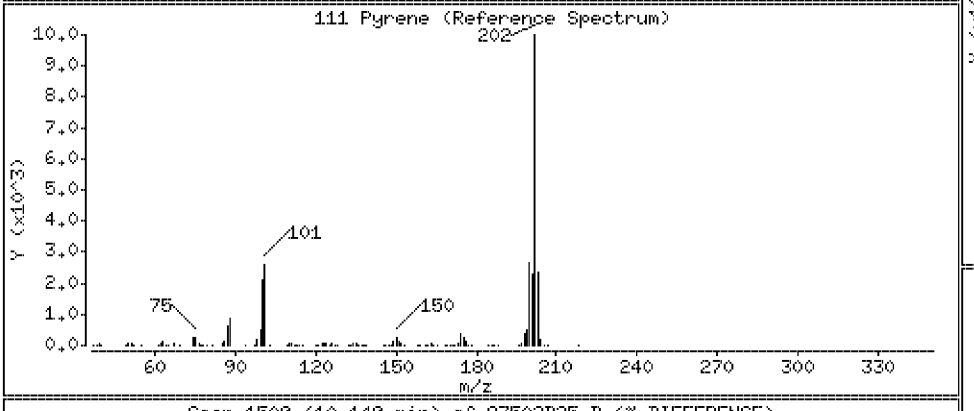
Column diameter: 0.25

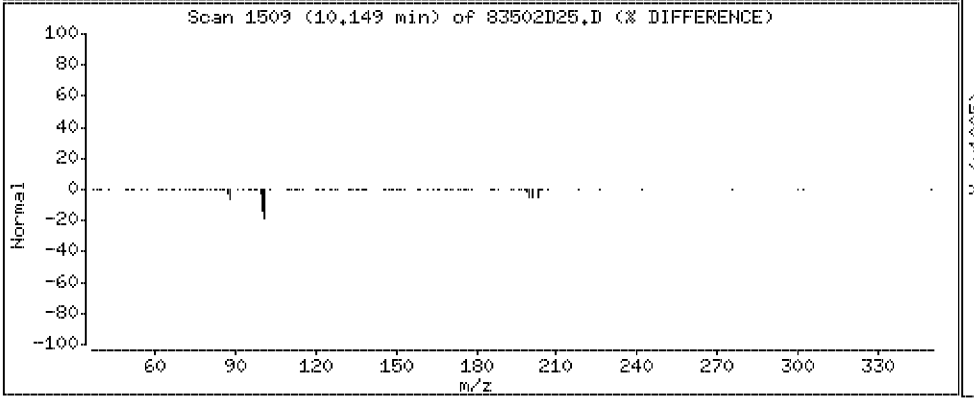
111 Pyrene

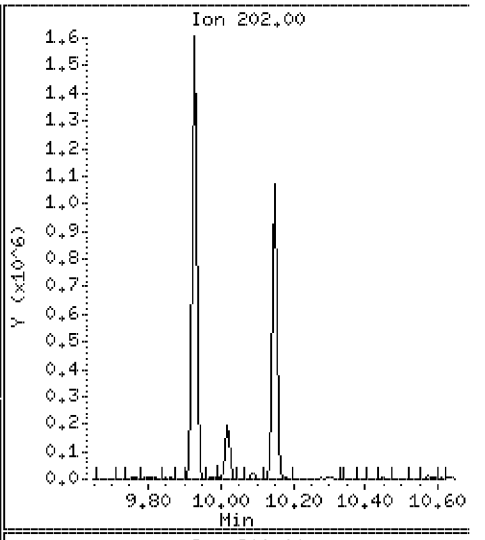
Concentration: 32800 ug/kg

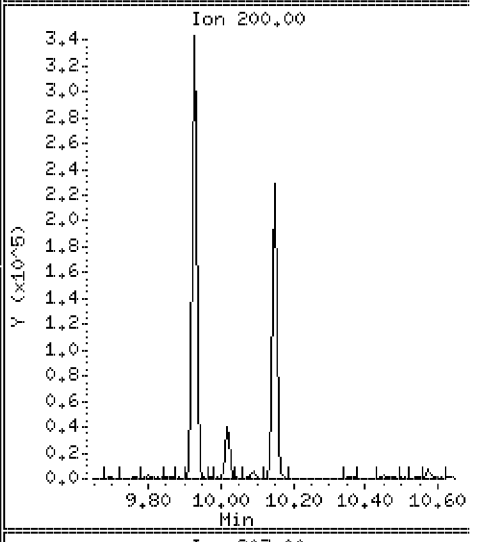


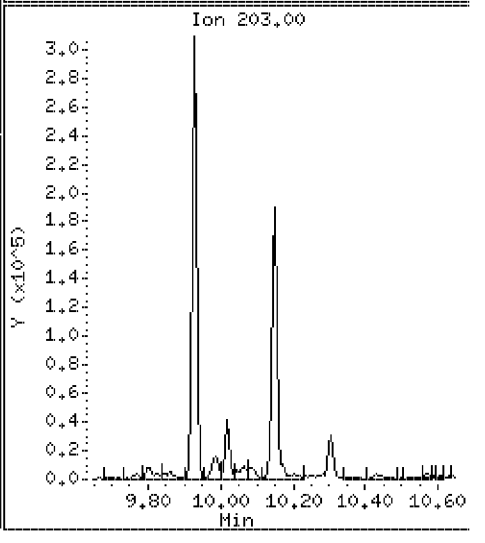












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

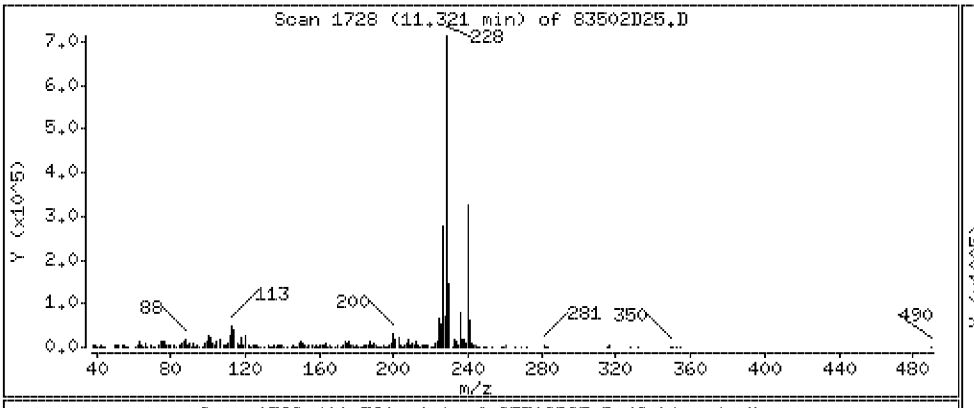
Operator: PEL

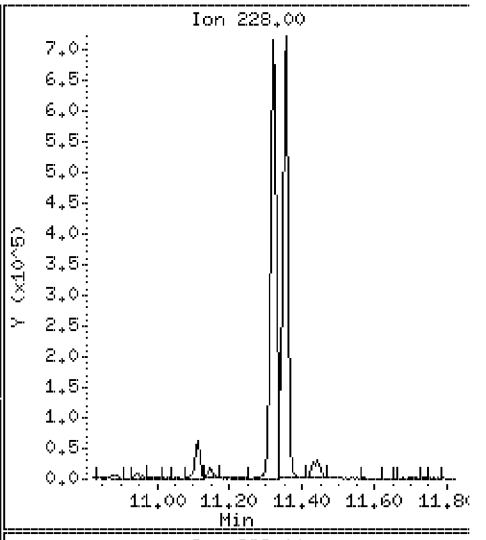
Column phase: HPMS-5

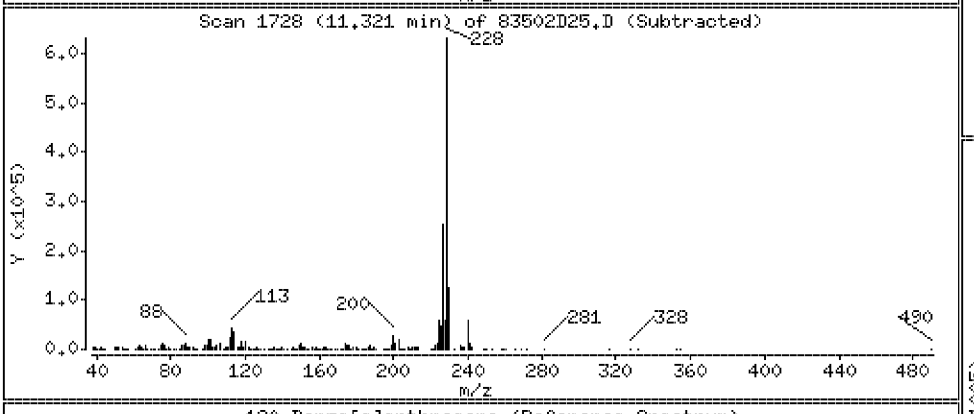
Column diameter: 0.25

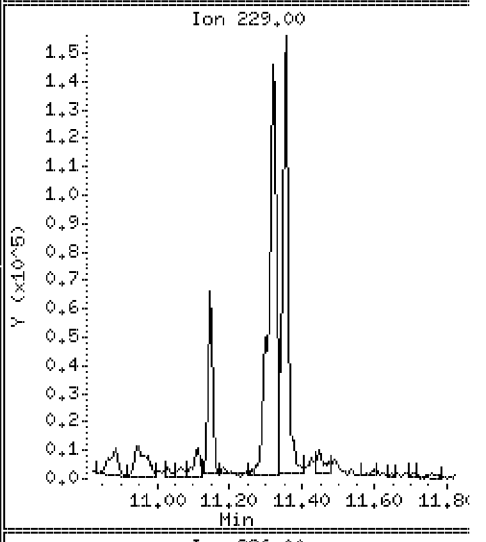
120 Benzo[a]anthracene

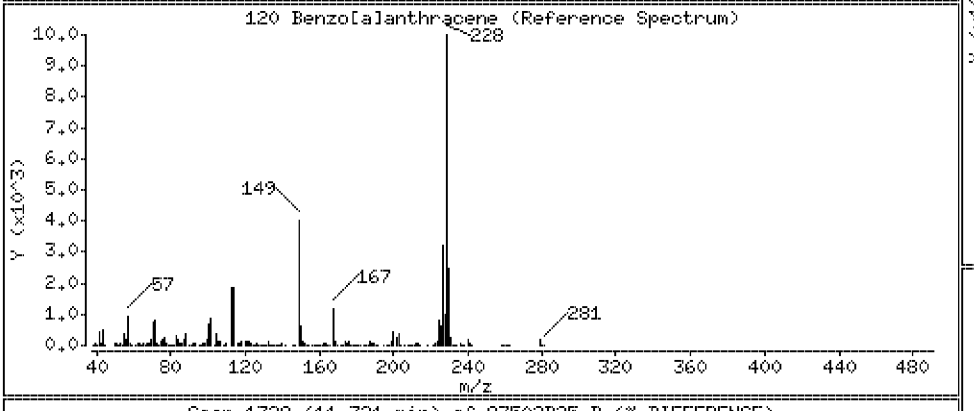
Concentration: 22100 ug/kg

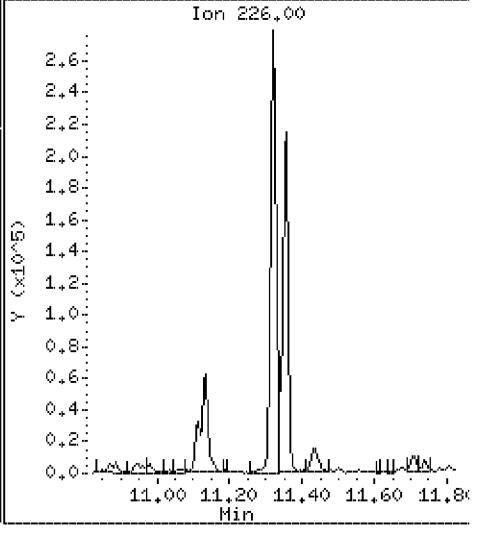


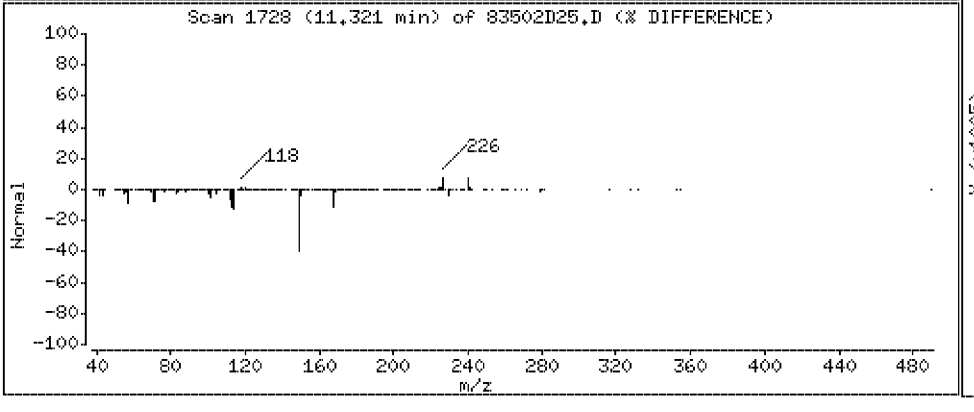












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

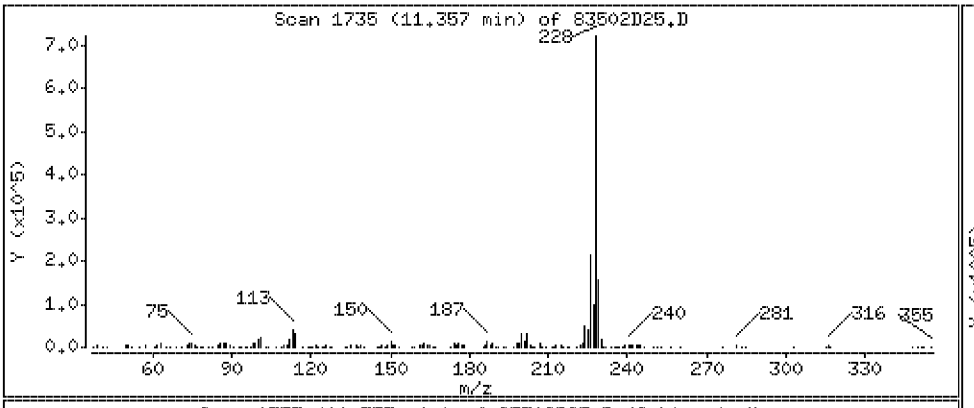
Operator: PEL

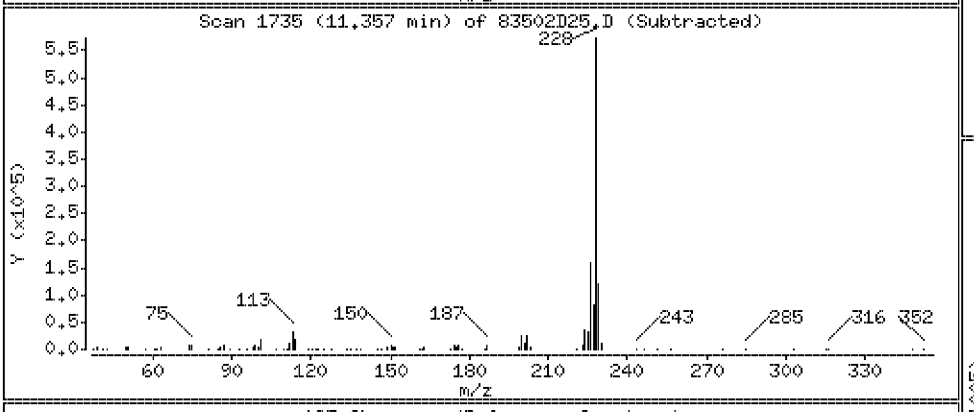
Column phase: HPMS-5

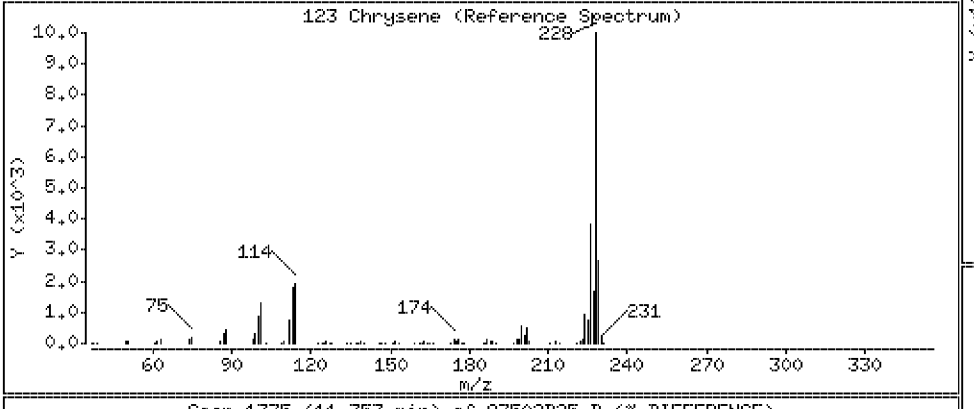
Column diameter: 0.25

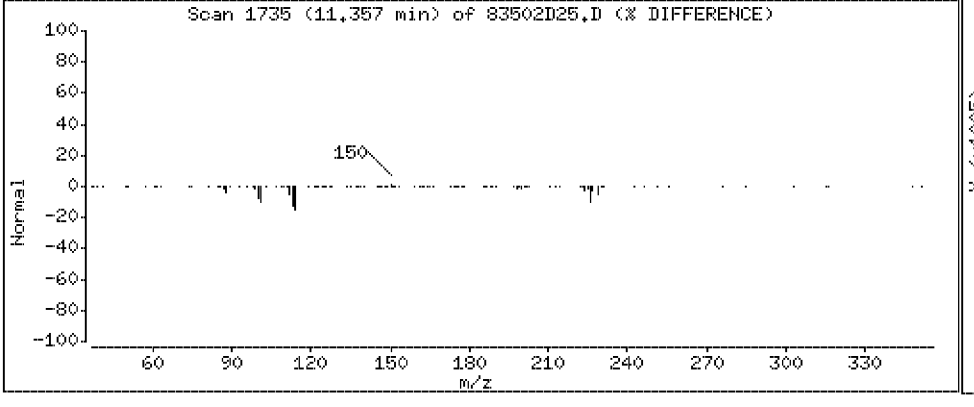
123 Chrysene

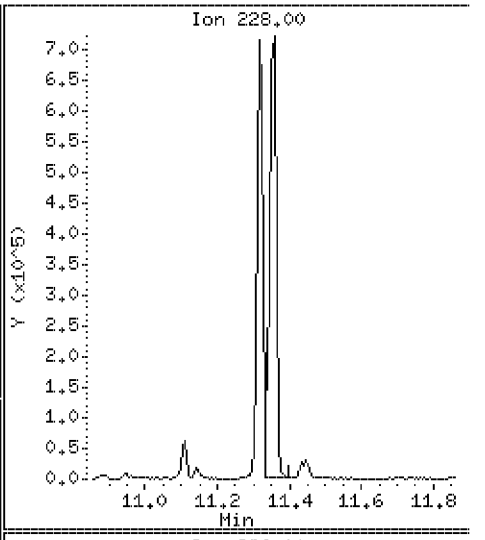
Concentration: 23700 ug/kg

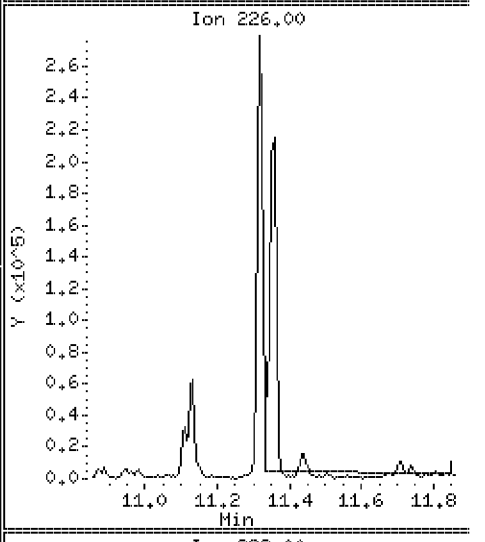


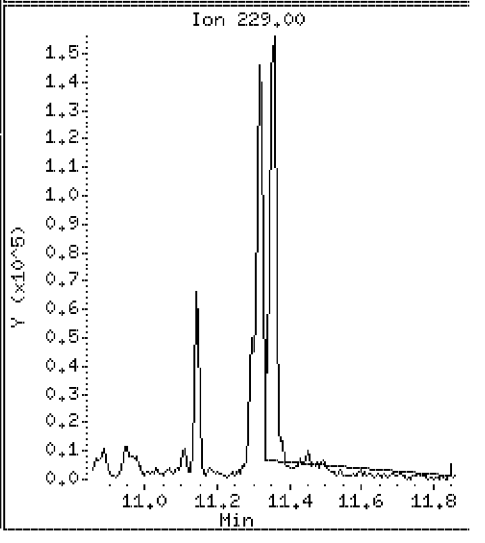












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

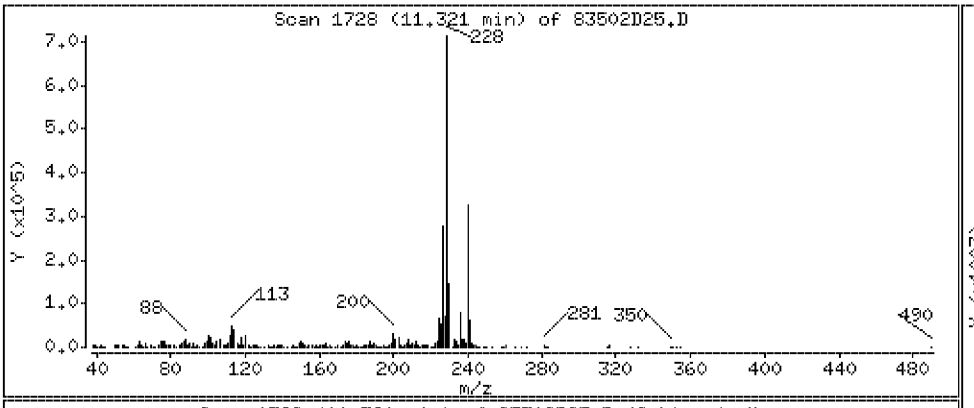
Operator: PEL

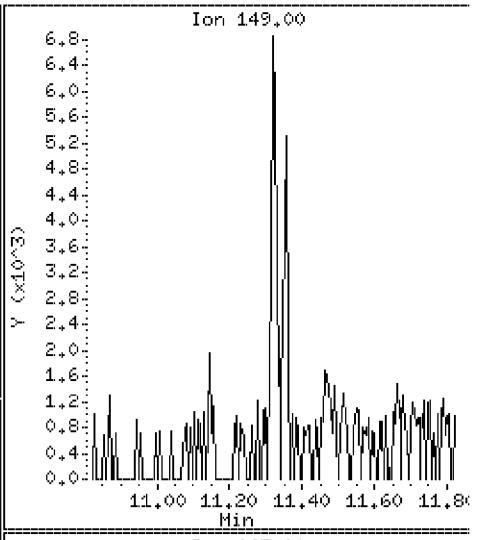
Column phase: HPMS-5

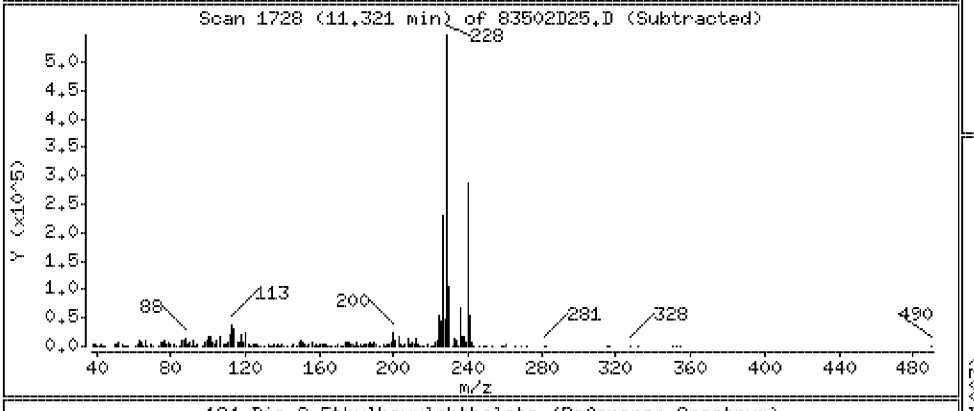
Column diameter: 0.25

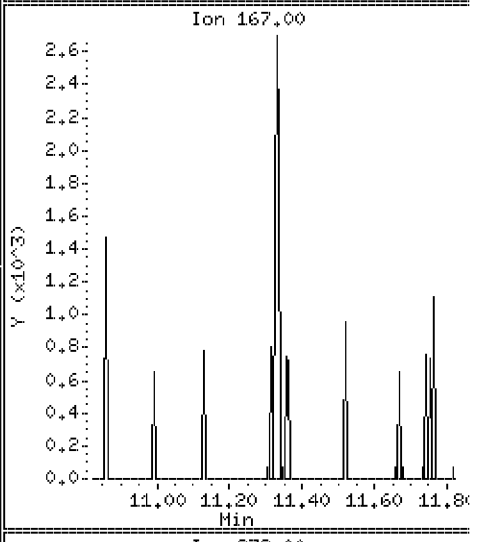
124 Bis-2-Ethylhexylphthalate

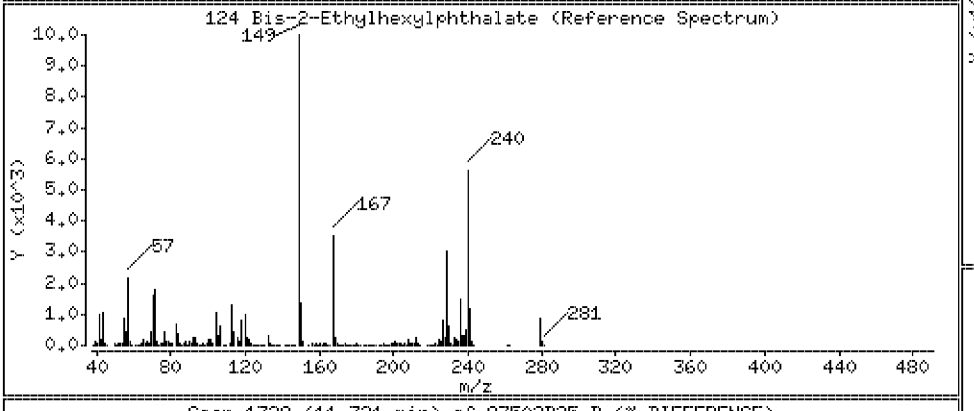
Concentration: 384 ug/kg

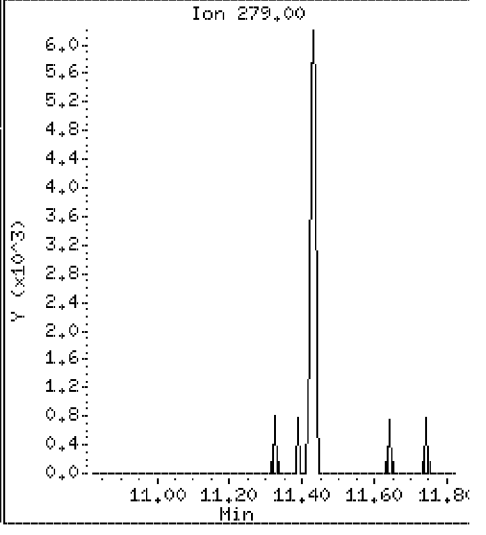


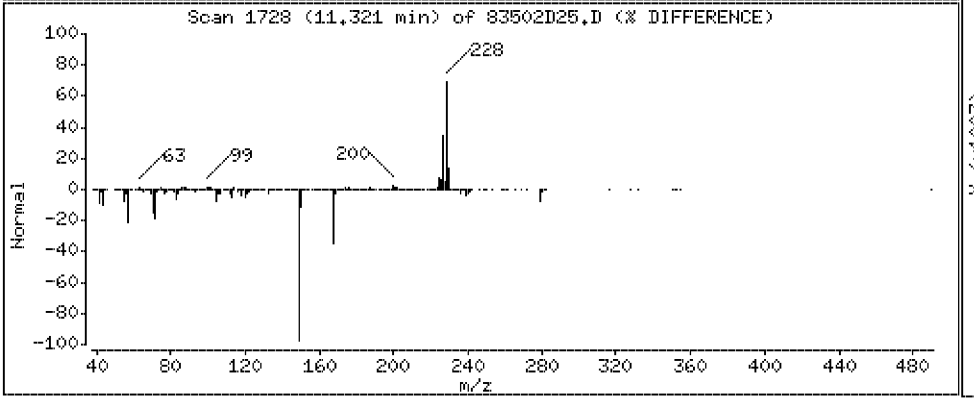












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

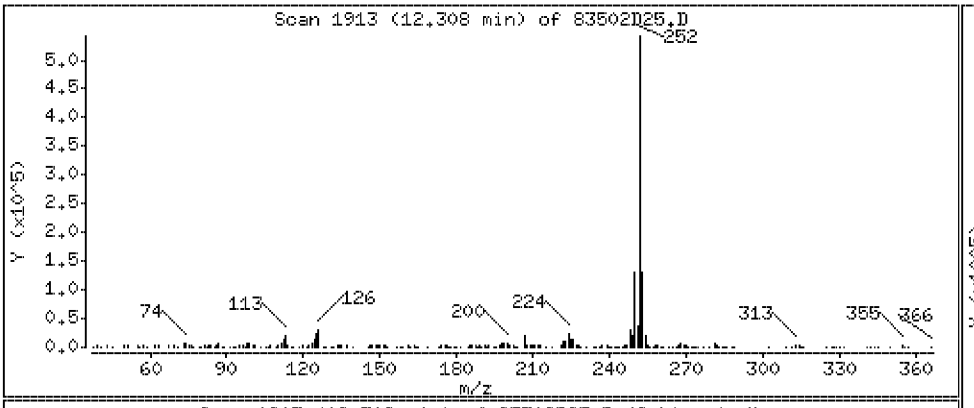
Operator: PEL

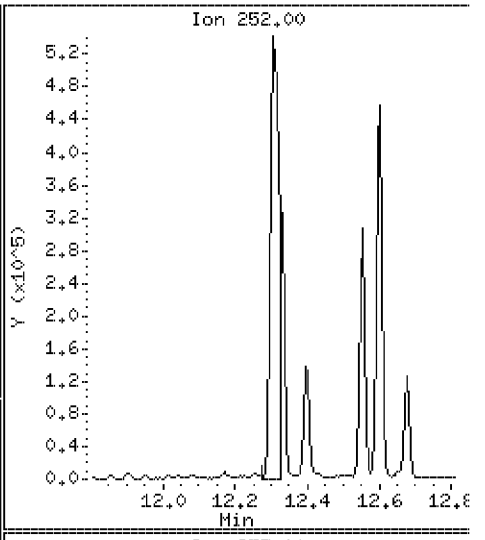
Column phase: HPMS-5

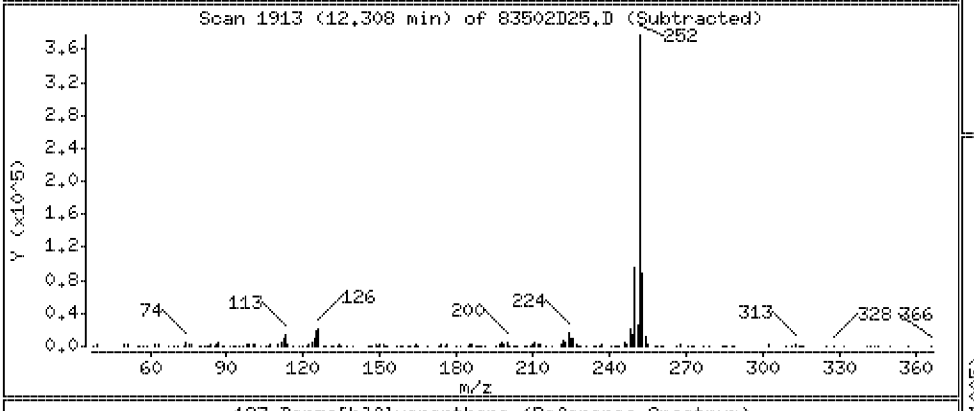
Column diameter: 0.25

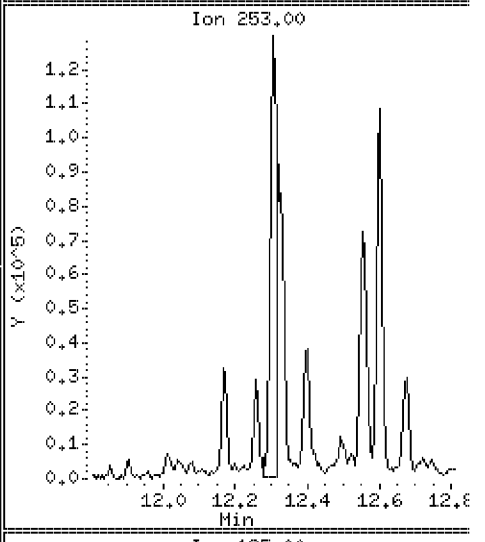
127 Benzo[b]fluoranthene

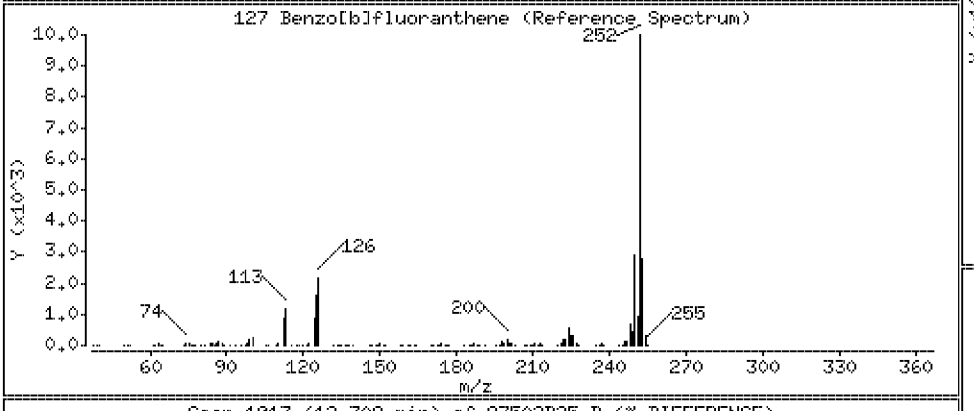
Concentration: 20500 ug/kg

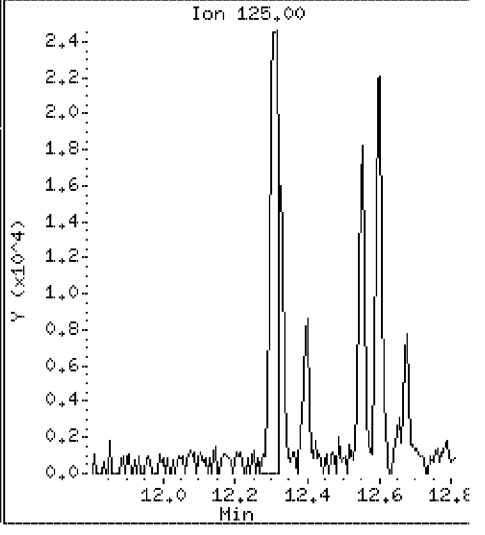


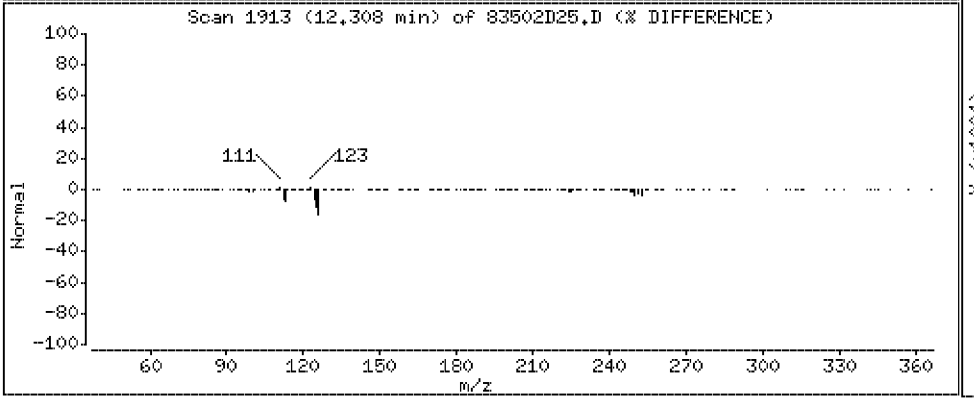












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

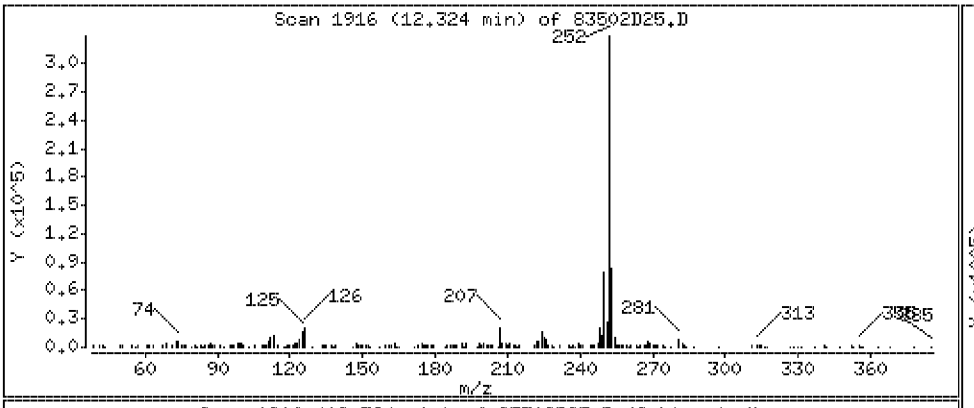
Operator: PEL

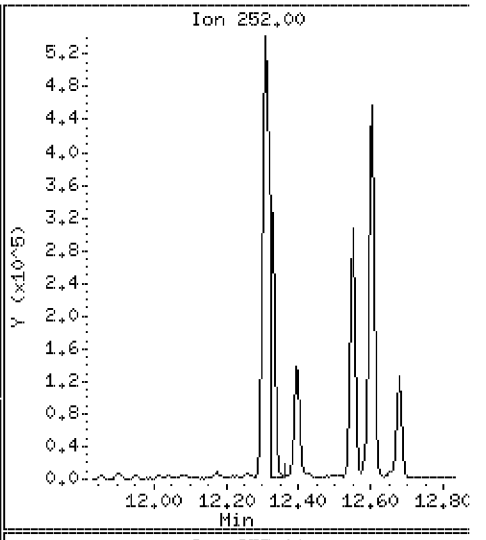
Column phase: HPMS-5

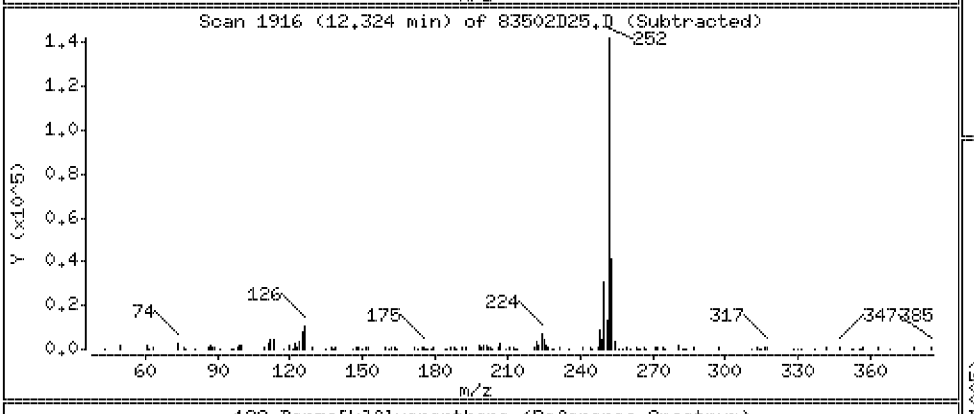
Column diameter: 0.25

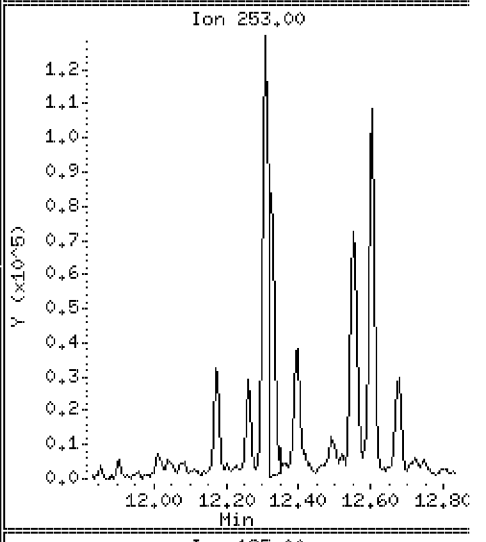
128 Benzo[k]fluoranthene

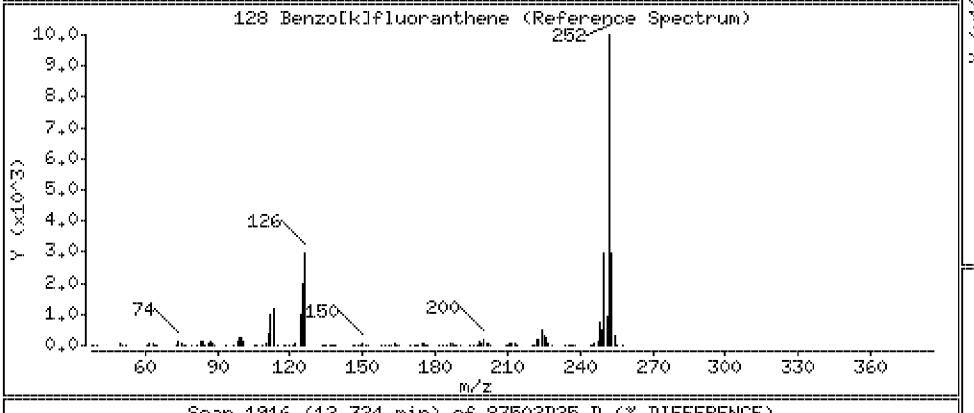
Concentration: 7620 ug/kg

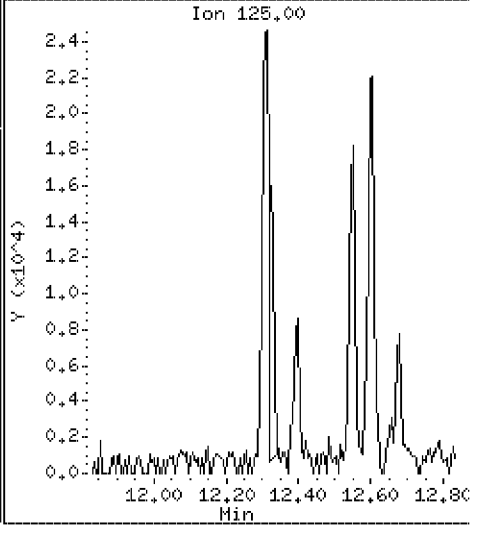


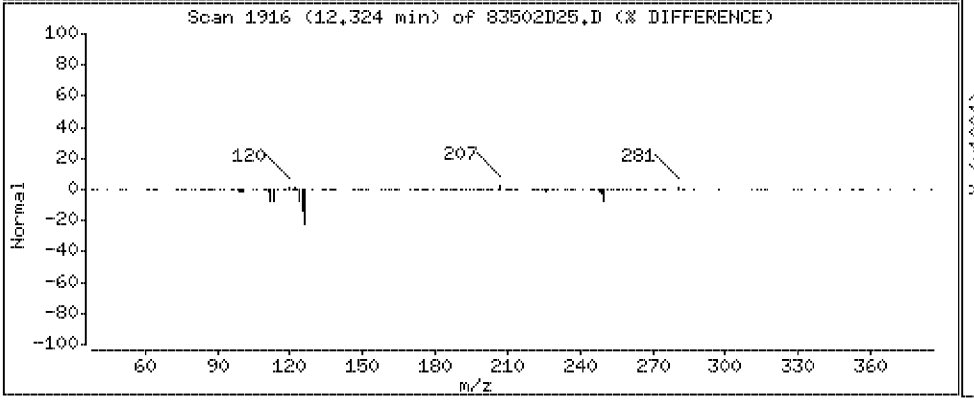












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

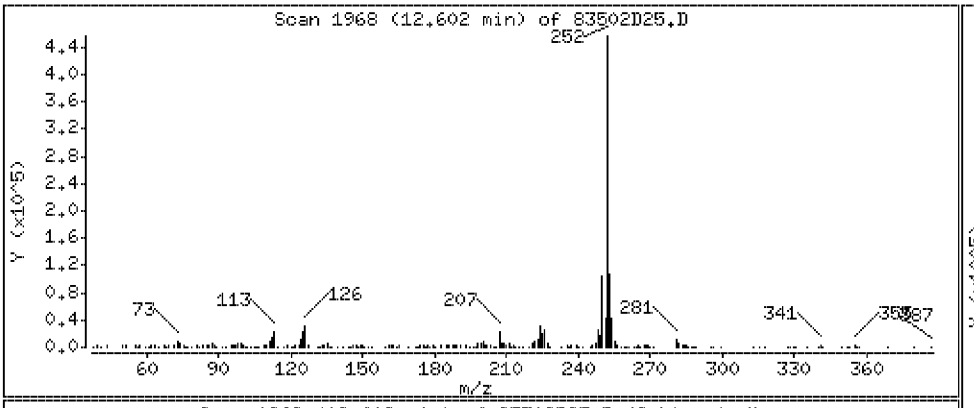
Operator: PEL

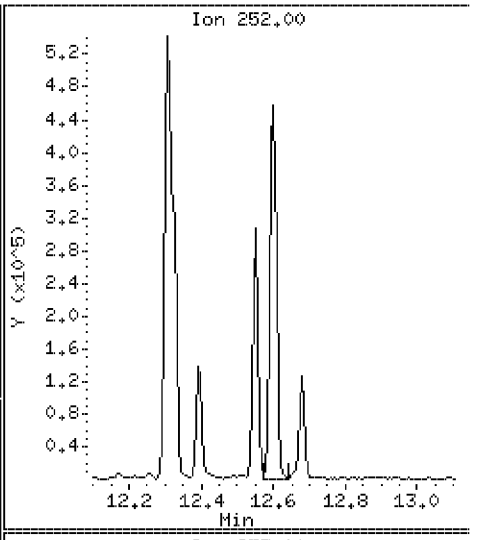
Column phase: HPMS-5

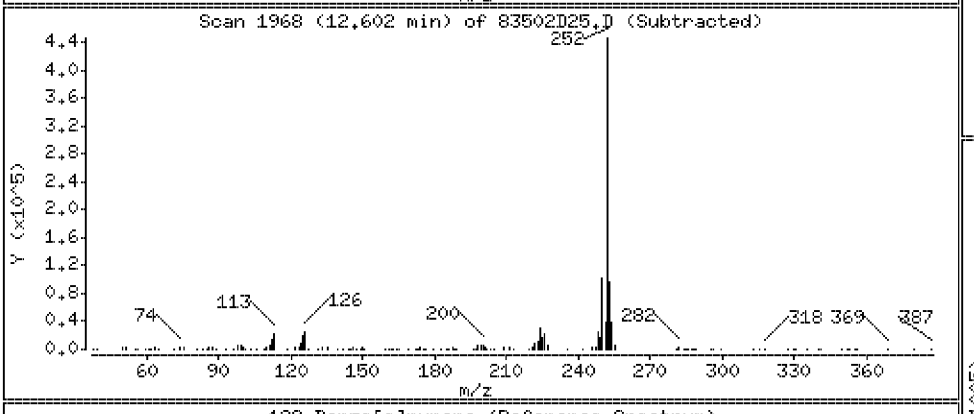
Column diameter: 0.25

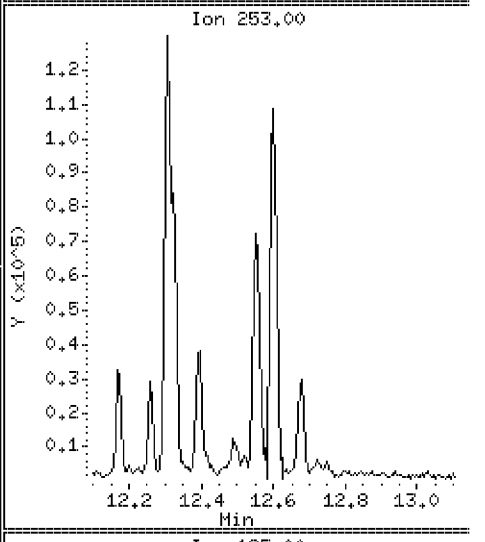
129 Benzo[a]pyrene

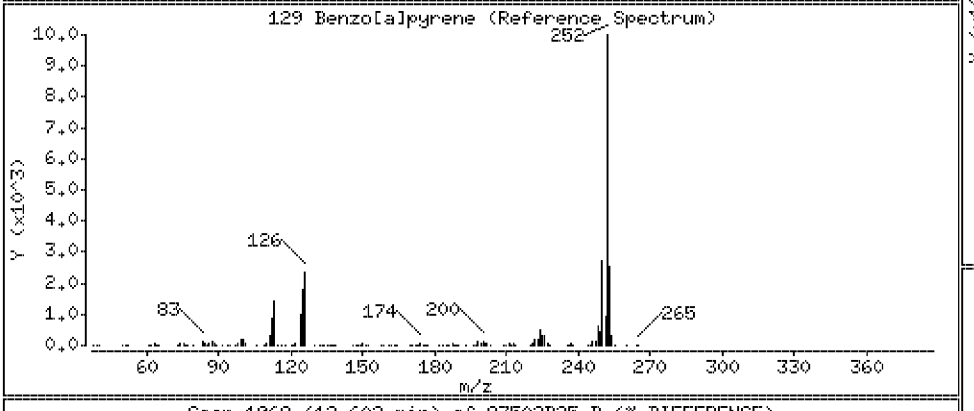
Concentration: 13400 ug/kg

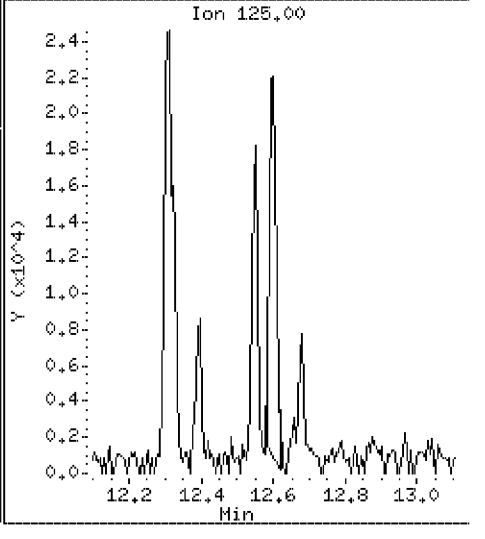


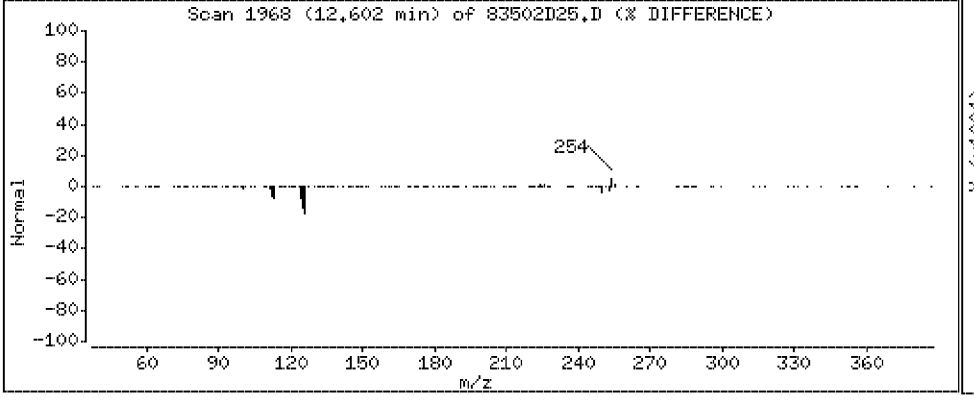












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

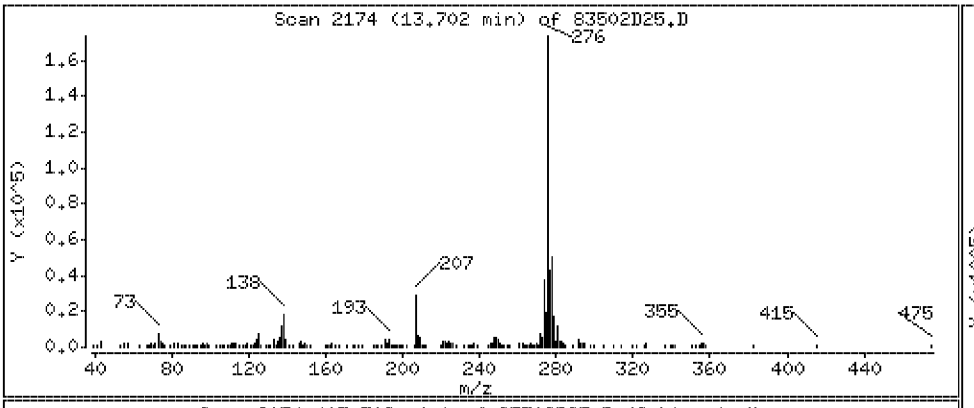
Operator: PEL

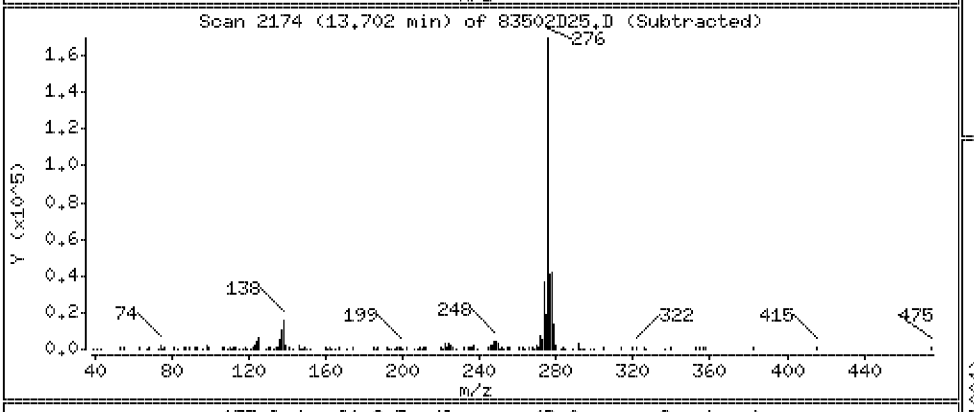
Column phase: HPMS-5

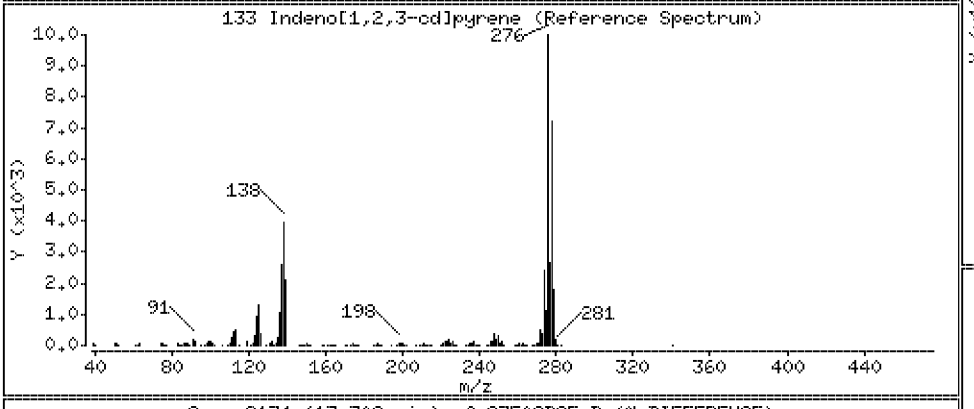
Column diameter: 0.25

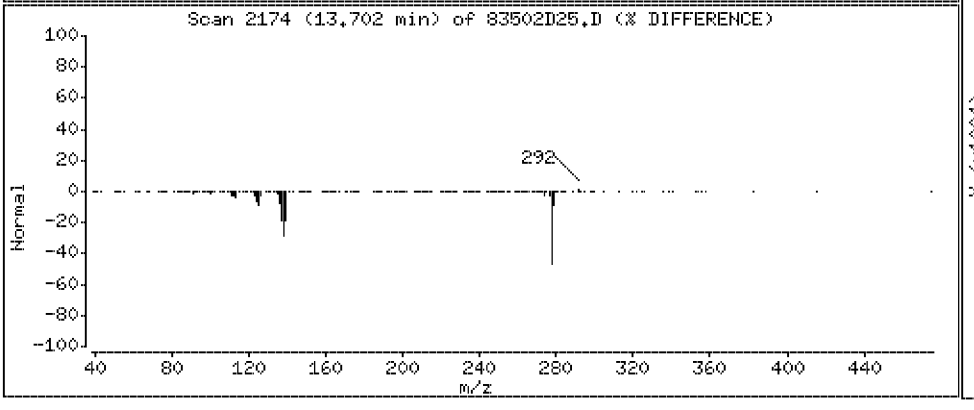
133 Indeno[1,2,3-cd]pyrene

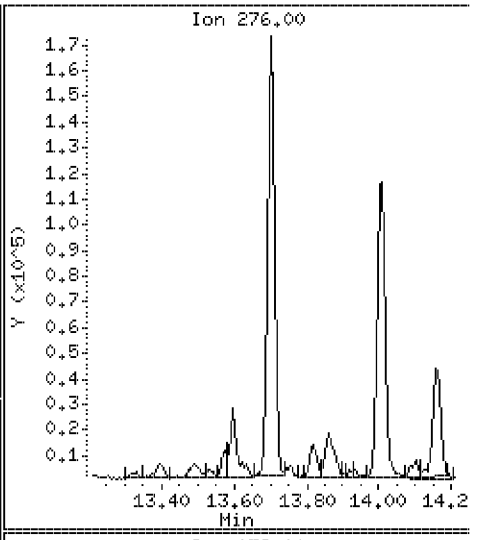
Concentration: 5080 ug/kg

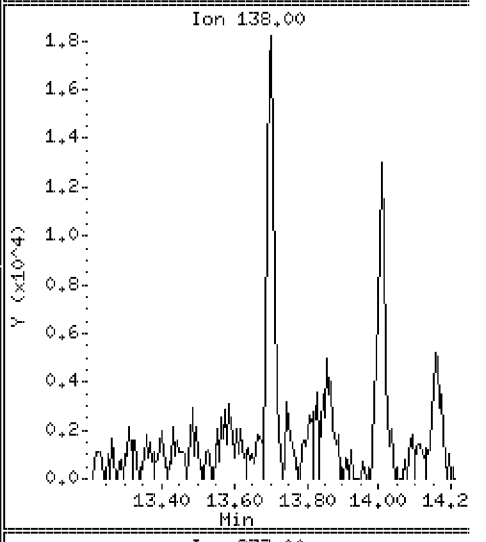


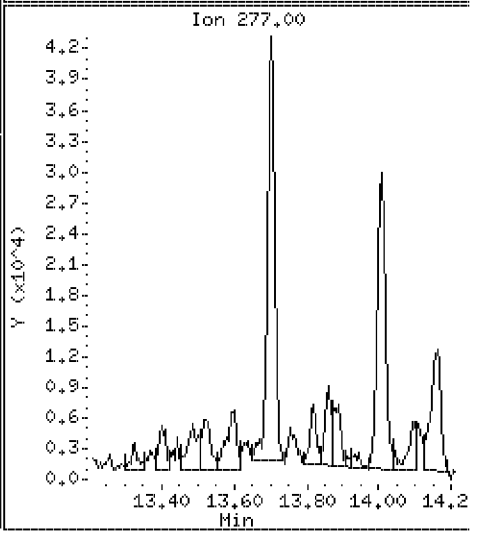












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

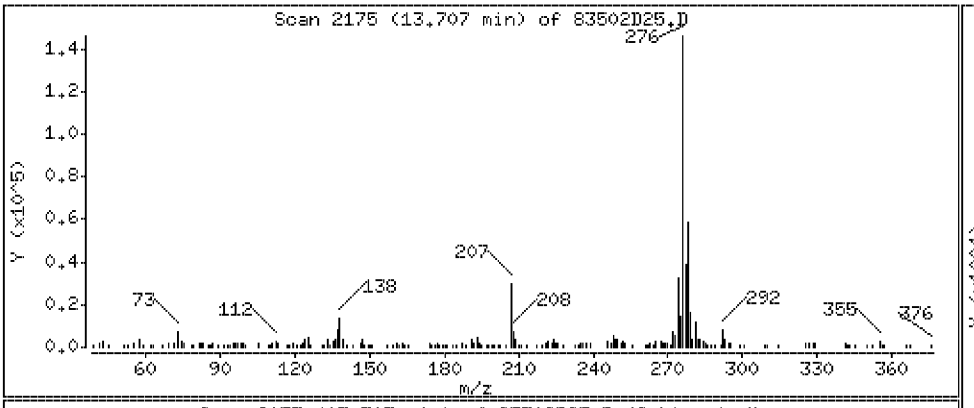
Operator: PEL

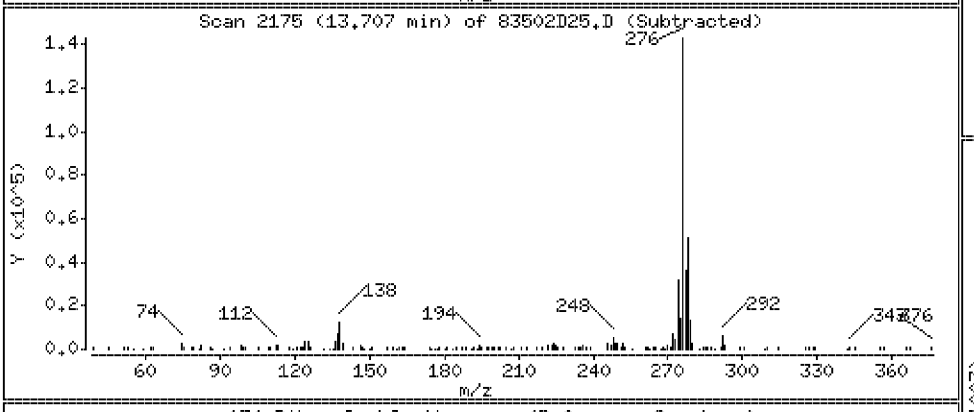
Column phase: HPMS-5

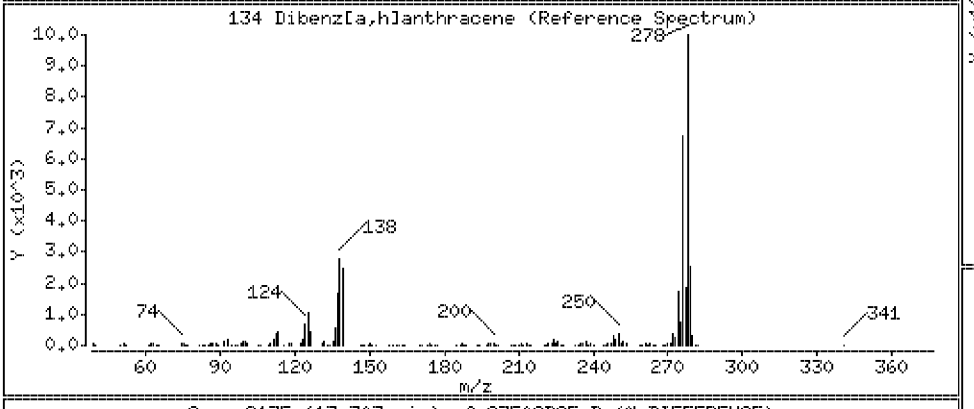
Column diameter: 0.25

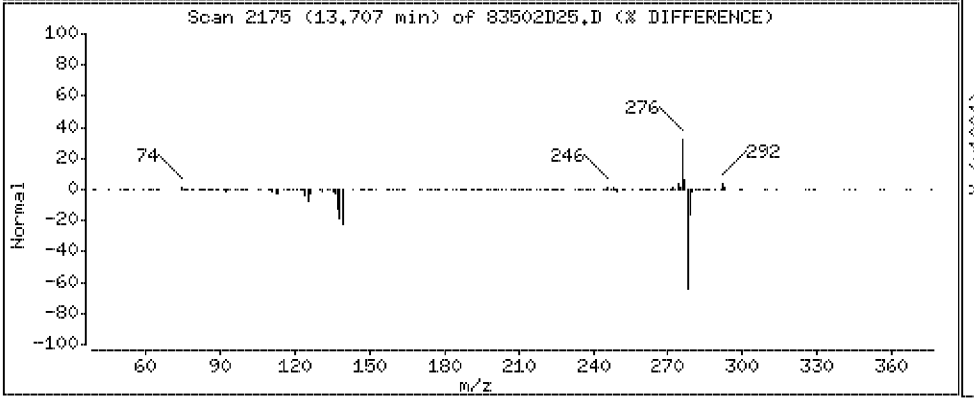
134 Dibenz[a,h]anthracene

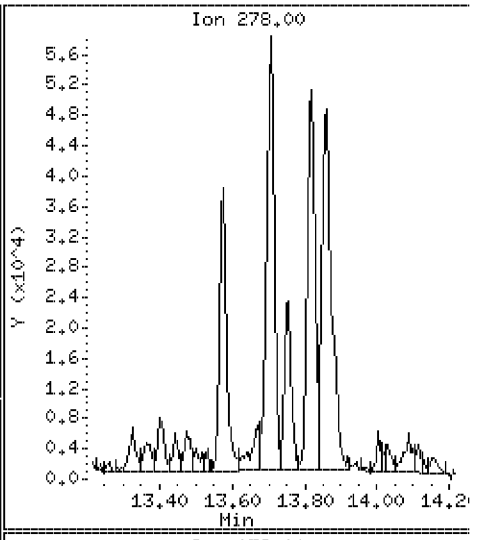
Concentration: 2160 ug/kg

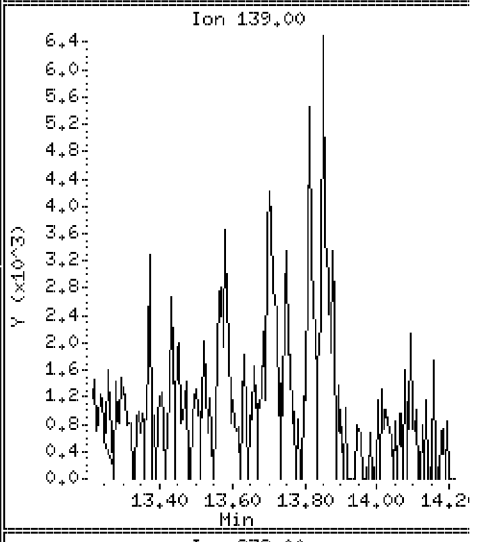


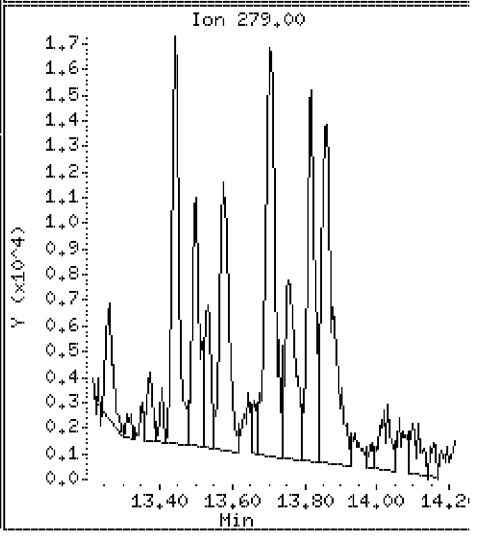












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502D25.D

Date : 26-APR-2012 17:36

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

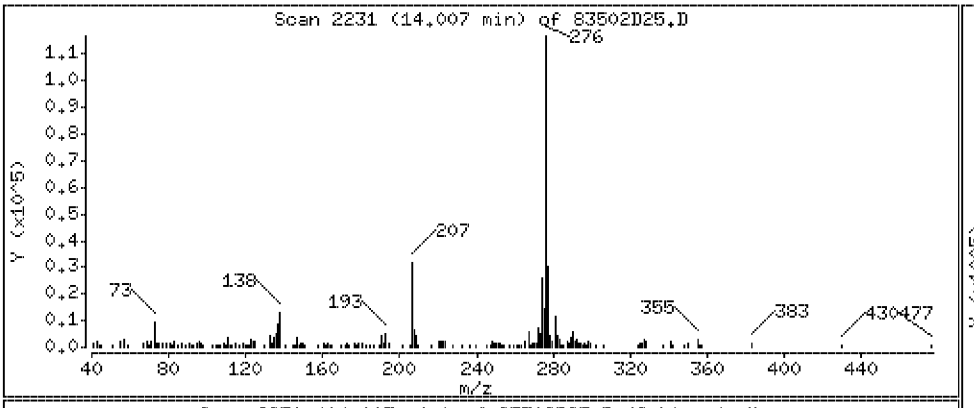
Operator: PEL

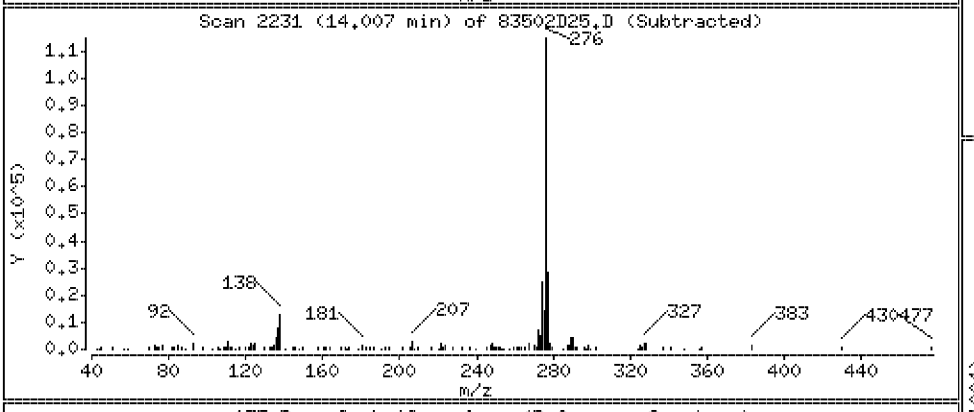
Column phase: HPMS-5

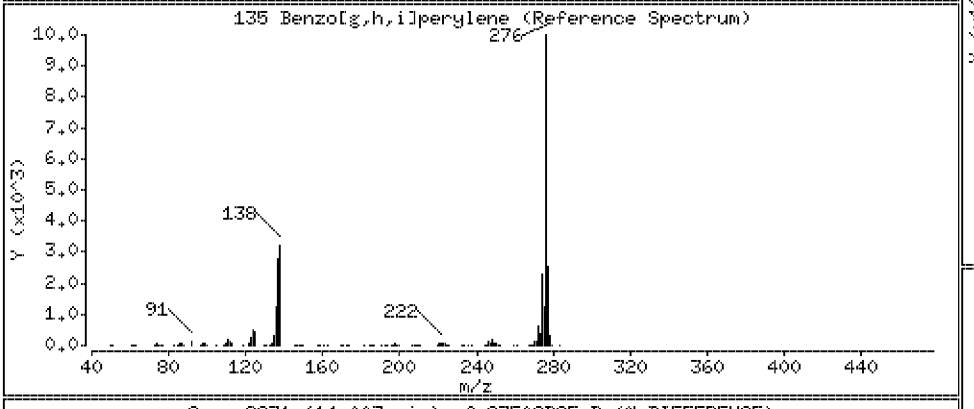
Column diameter: 0.25

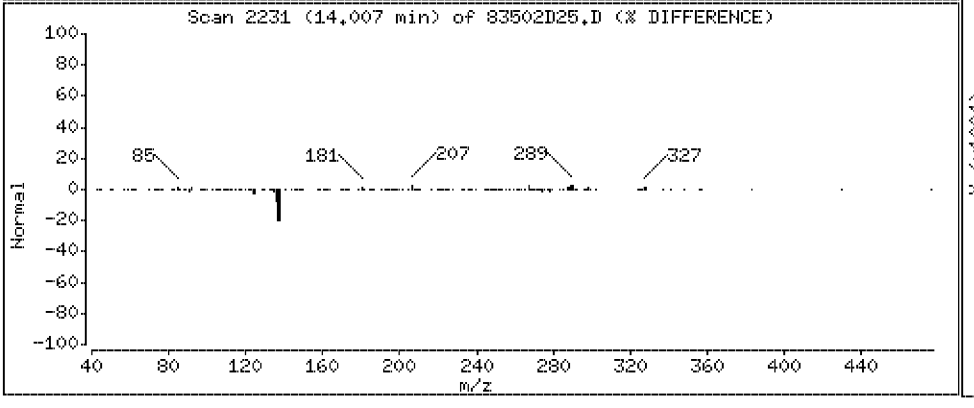
135 Benzo[g,h,i]perylene

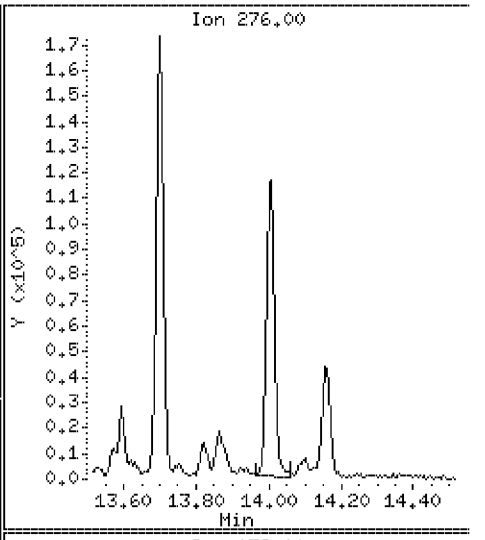
Concentration: 5270 ug/kg

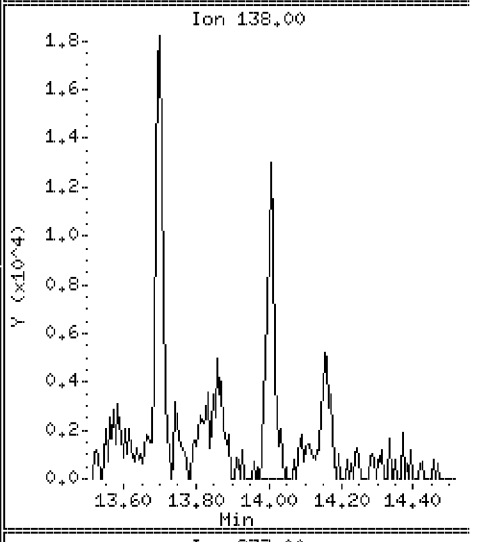


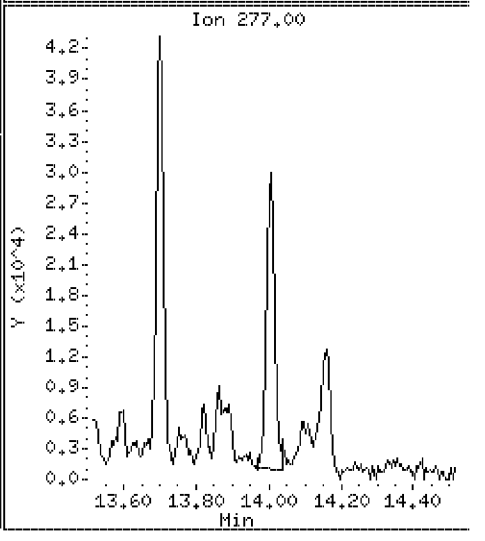












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D
Lab Smp Id: 350583506 Client Smp ID: EPAFMC-SD-06
Inj Date : 26-APR-2012 18:23 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583506
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 19
Dil Factor: 250.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	250.000	Dilution Factor
Ws	25.990	Weight of sample extracted (g)
M	33.300	% Moisture
Vf	14.000	Final Volume
Cpnd Variable		Local Compound Variable

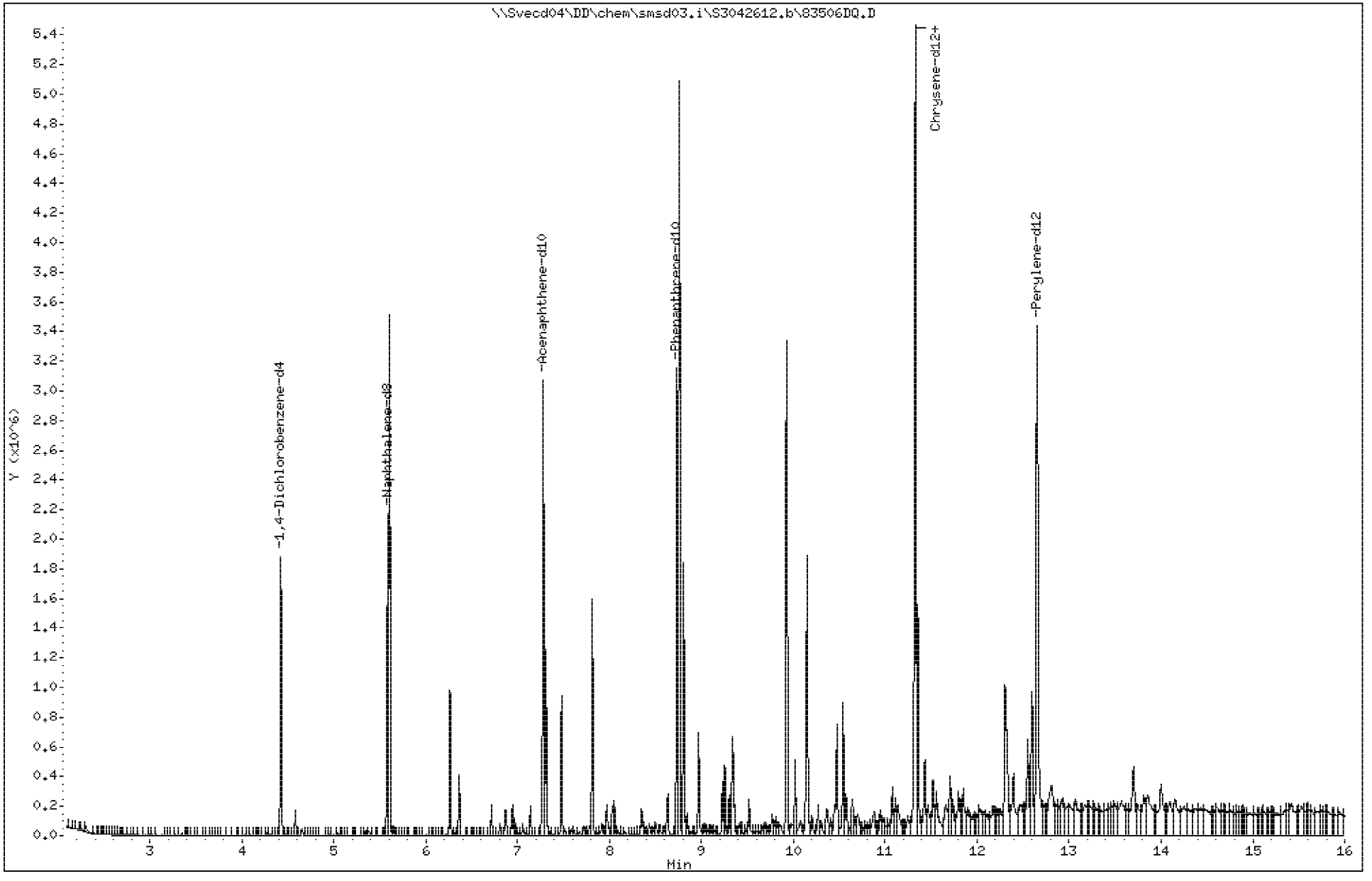
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.424	4.423	(1.000)	152	266282	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	167787			33.39- 93.39	63.01
4.424	4.423	(1.000)	150	410499			121.52- 181.52	154.16
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.585	5.583	(1.000)	136	905709	40.0000		80.00- 120.00	100.00
5.585	5.583	(1.000)	68	50527			0.00- 35.32	5.58
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	635718	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	601100			66.43- 126.43	94.55
7.279	7.278	(1.000)	160	275062			14.76- 74.76	43.27
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.735	8.734	(1.000)	188	1189785	40.0000		80.00- 120.00	100.00
8.734	8.734	(1.000)	94	74911			0.00- 36.17	6.30
8.734	8.734	(1.000)	80	89223			0.00- 38.16	7.50
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.330	11.327	(1.000)	240	1627398	40.0000		80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.329	11.327	(1.000)	120	90257			0.00- 35.19	5.55
11.330	11.327	(1.000)	236	435454			0.00- 56.66	26.76
* 130 Perylene-d12						CAS #: 1520-96-3		
12.652	12.650	(1.000)	264	1506273	40.0000		80.00- 120.00	100.00
12.652	12.650	(1.000)	260	368914			0.00- 54.55	24.49
12.652	12.650	(1.000)	265	367655			0.00- 53.02	24.41

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D
Date : 26-APR-2012 18:23
Client ID: EPAFMC-SD-06
Sample Info: sw350583506

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2390



3505835

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

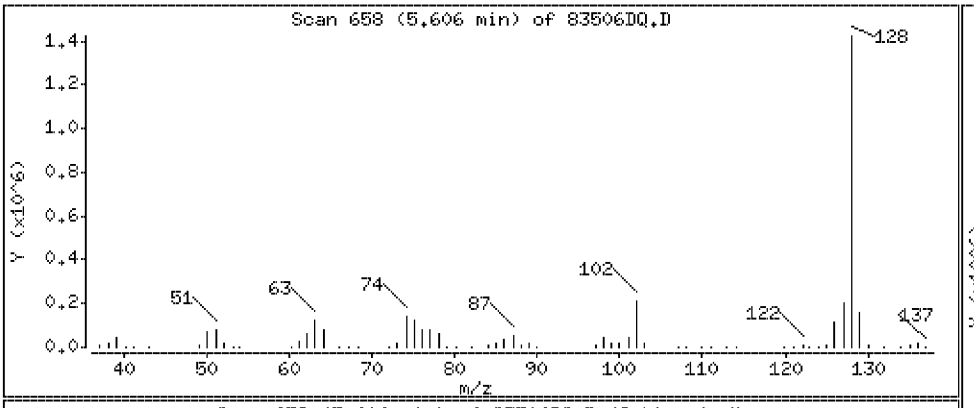
Operator: PEL

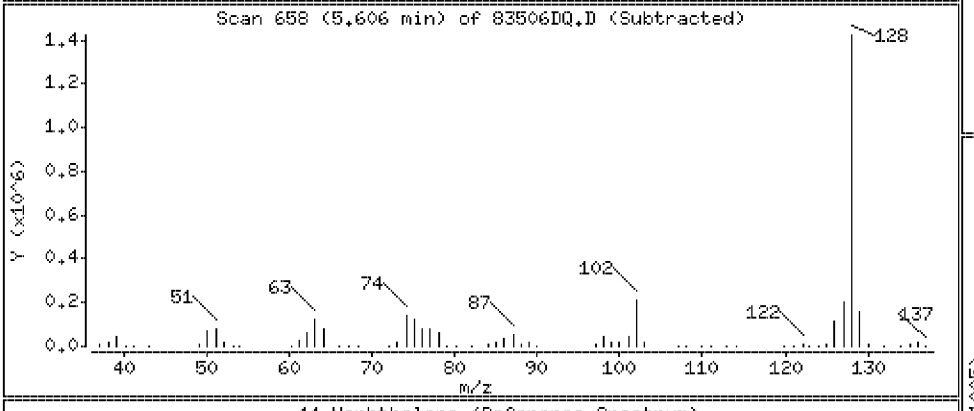
Column phase: HPMS-5

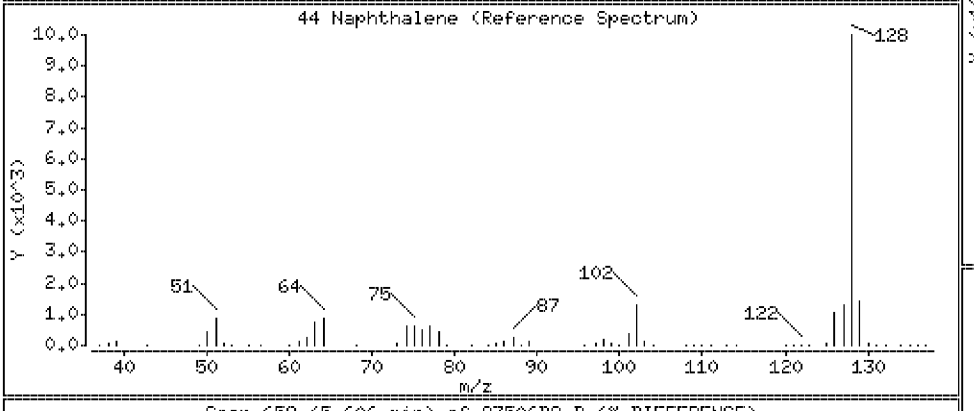
Column diameter: 0.25

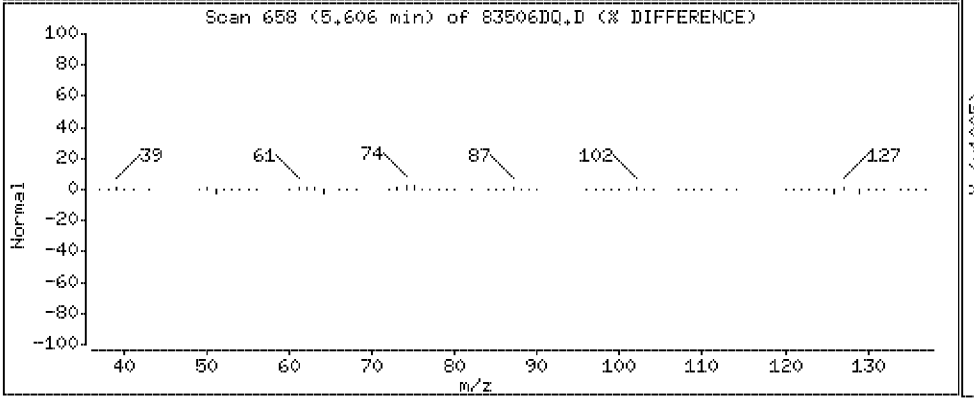
44 Naphthalene

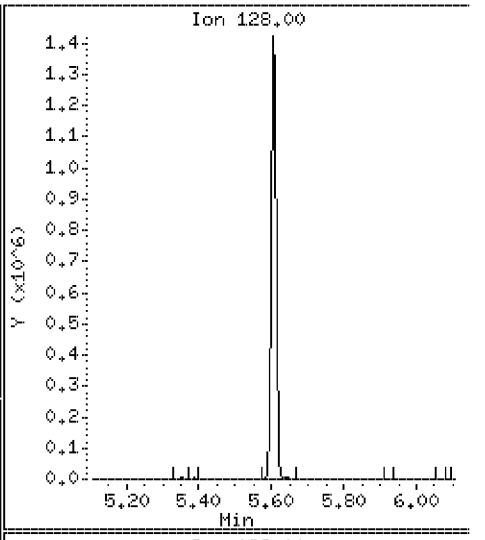
Concentration: 11700000 ug/kg

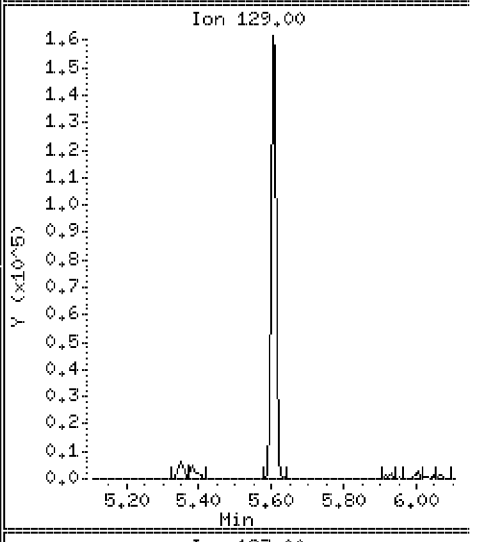


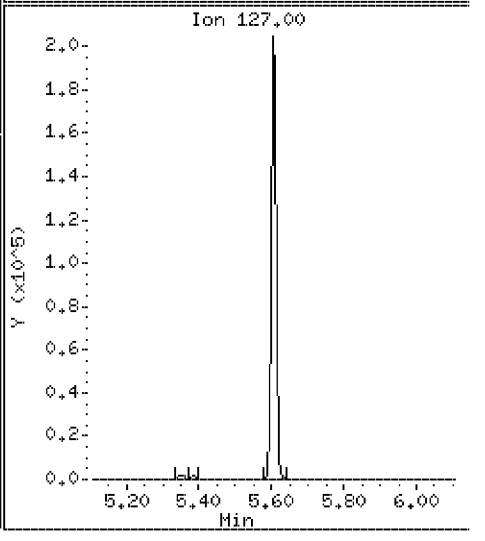












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

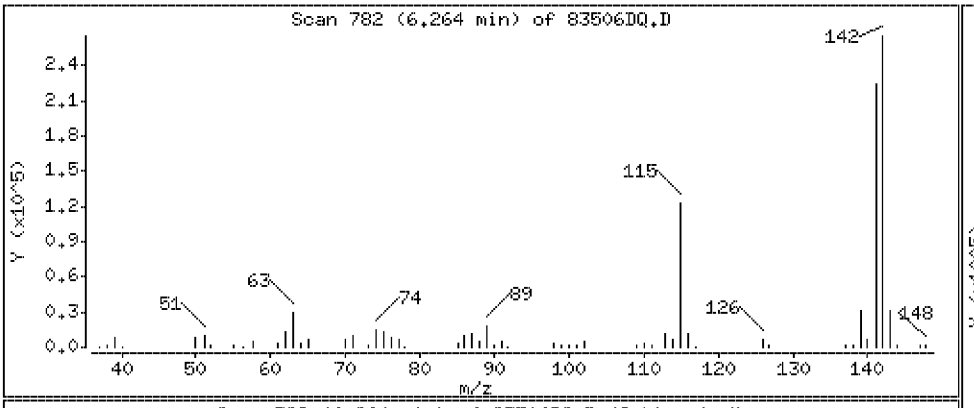
Operator: PEL

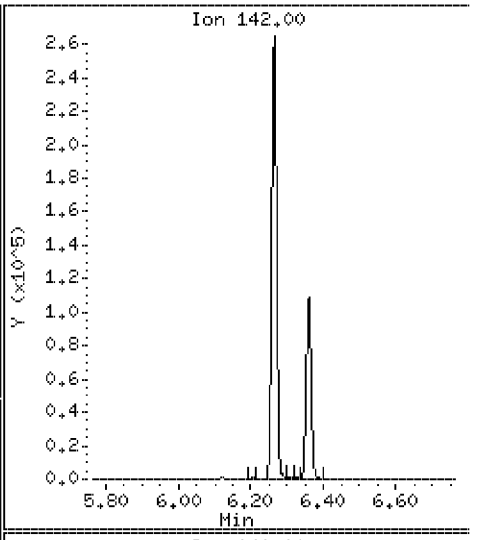
Column phase: HPMS-5

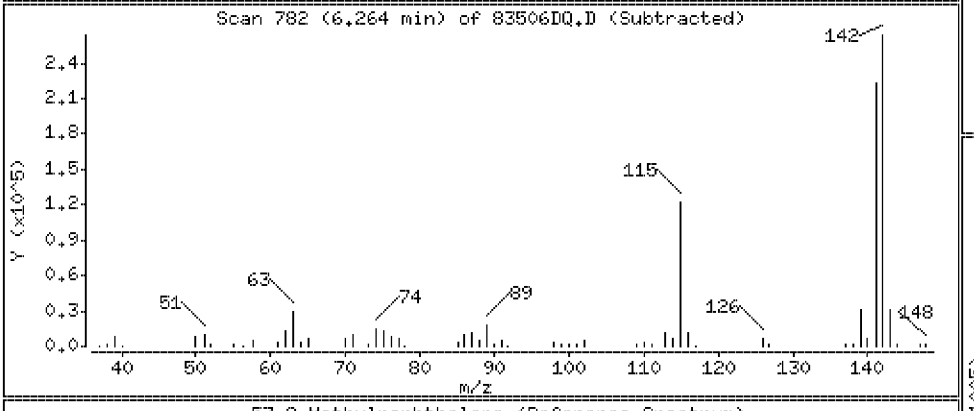
Column diameter: 0.25

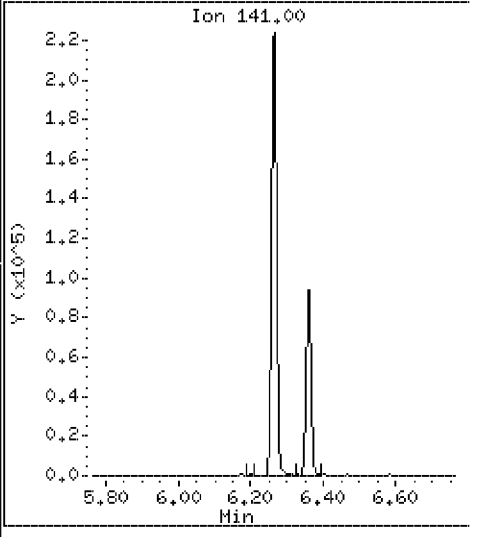
53 2-Methylnaphthalene

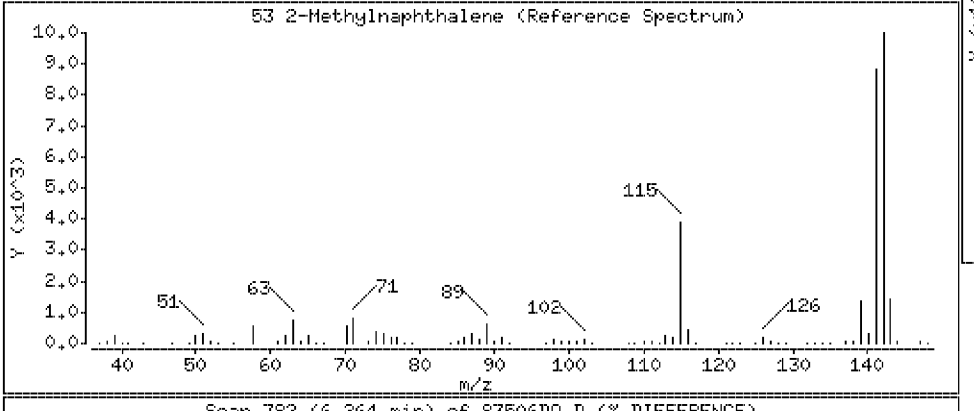
Concentration: 2950000 ug/kg

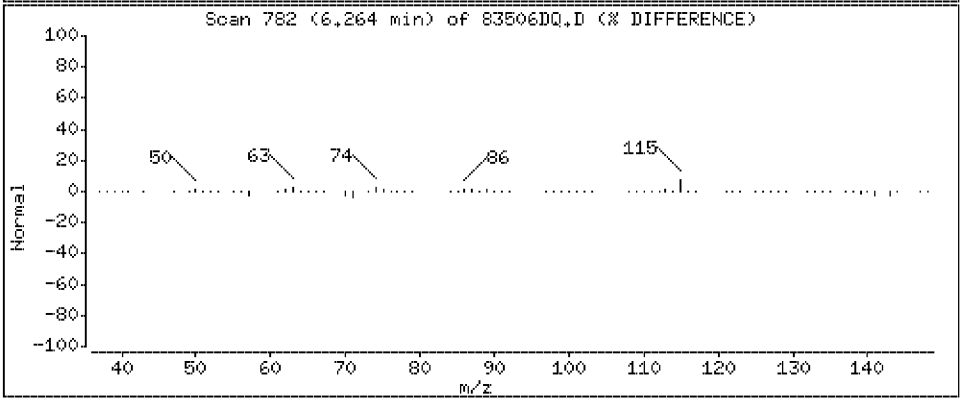












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

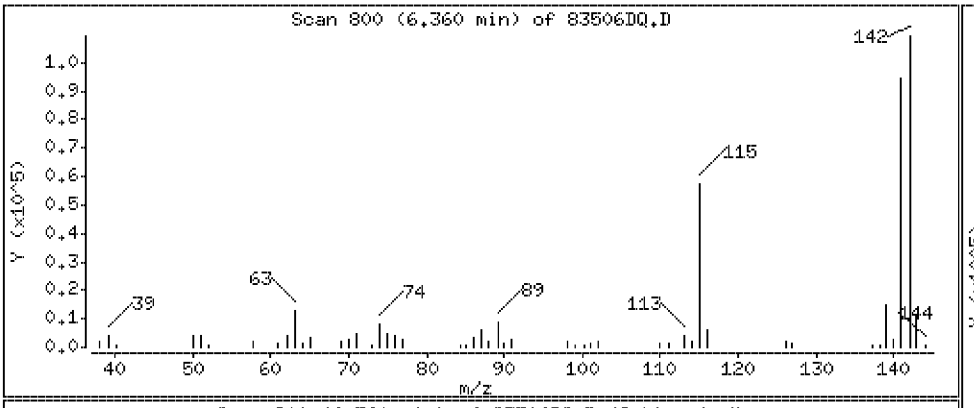
Operator: PEL

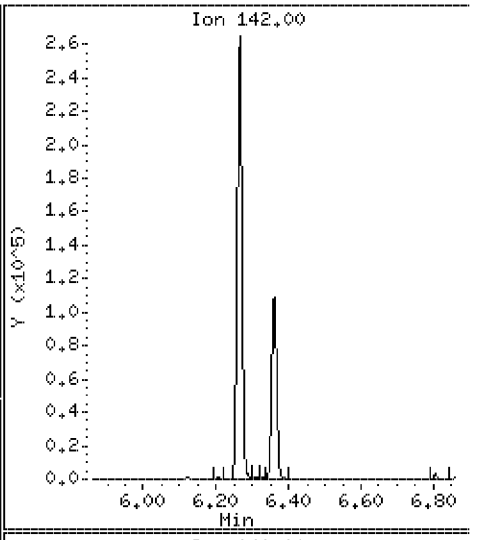
Column phase: HPMS-5

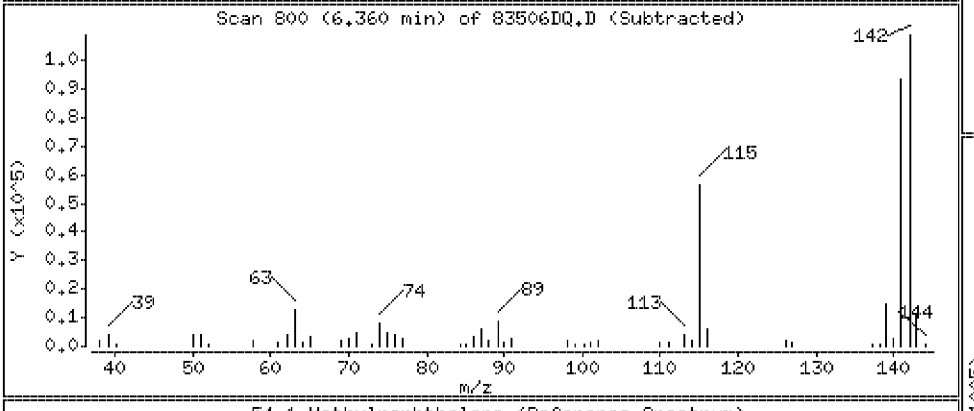
Column diameter: 0.25

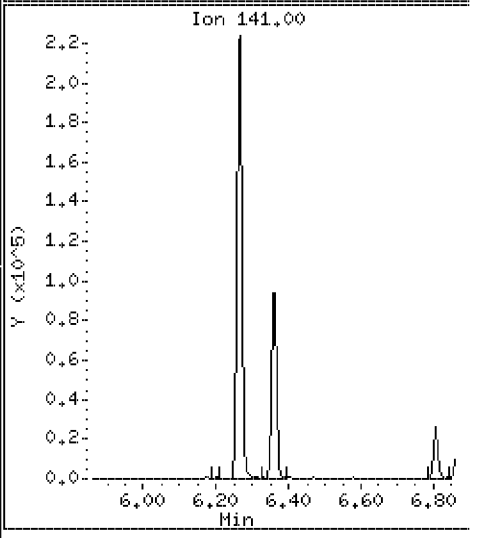
54 1-Methylnaphthalene

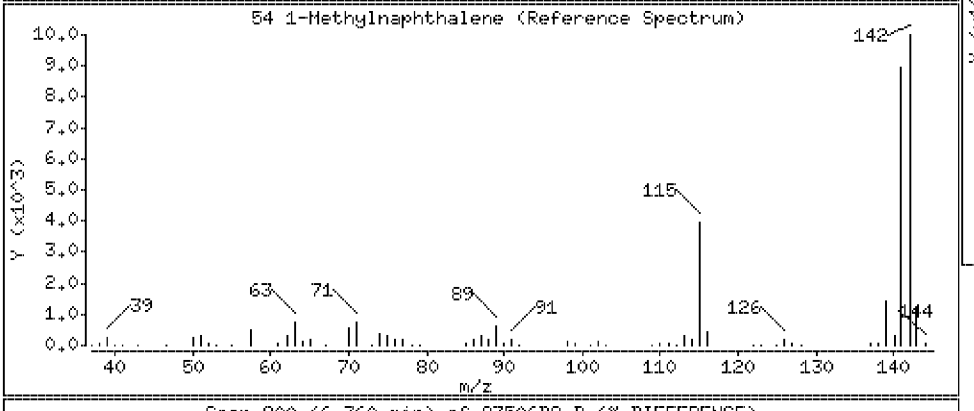
Concentration: 1390000 ug/kg

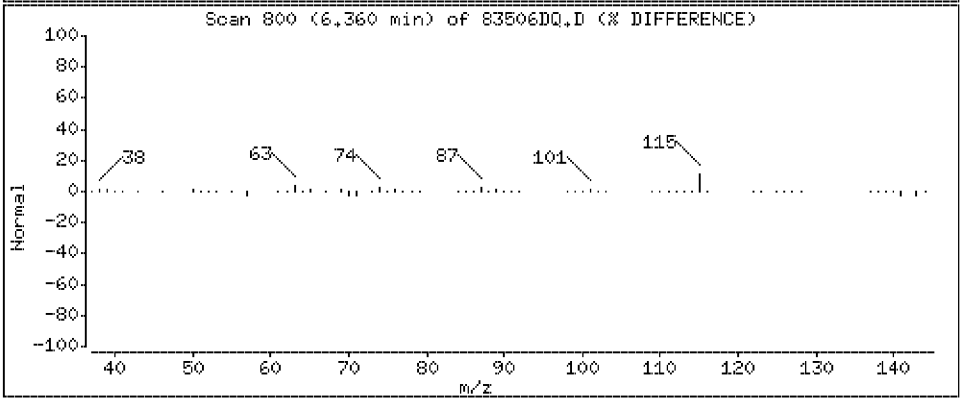












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

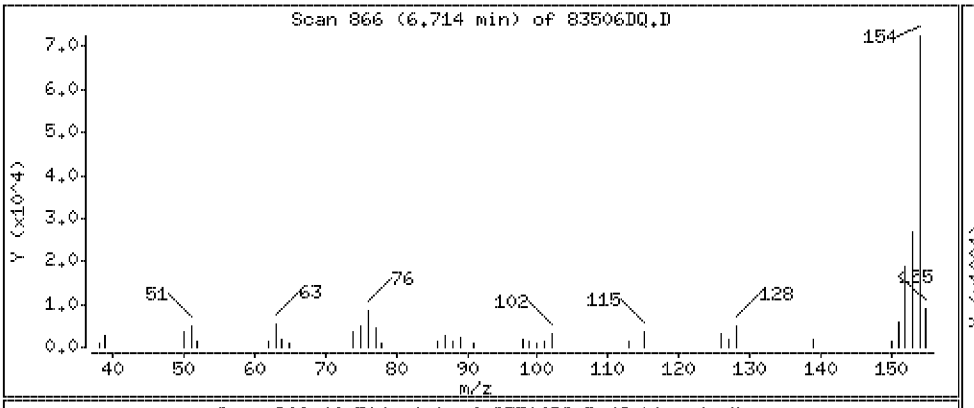
Operator: PEL

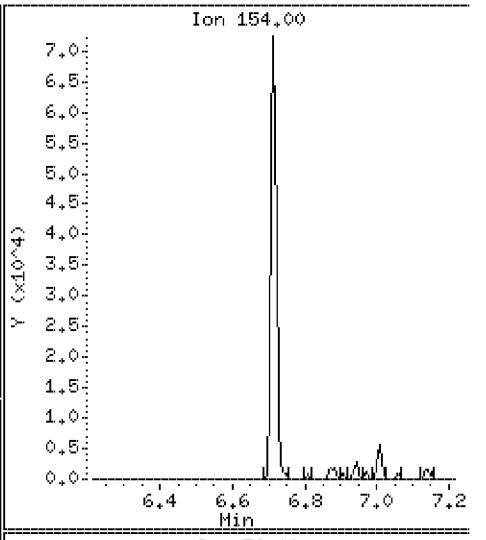
Column phase: HPMS-5

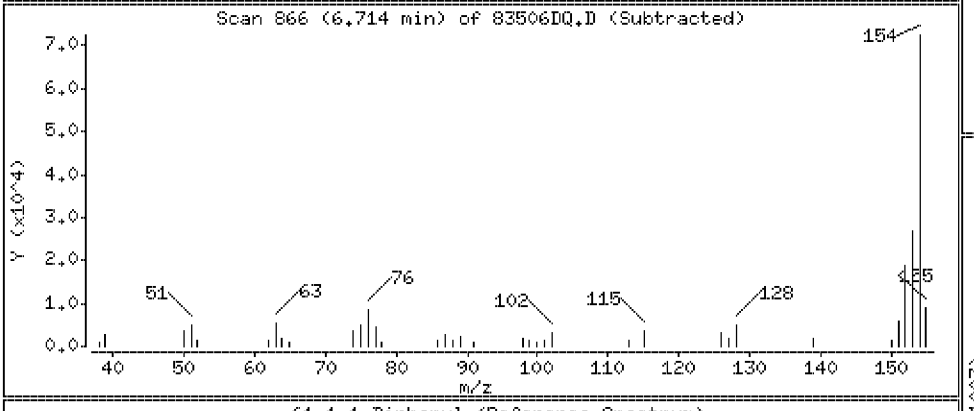
Column diameter: 0.25

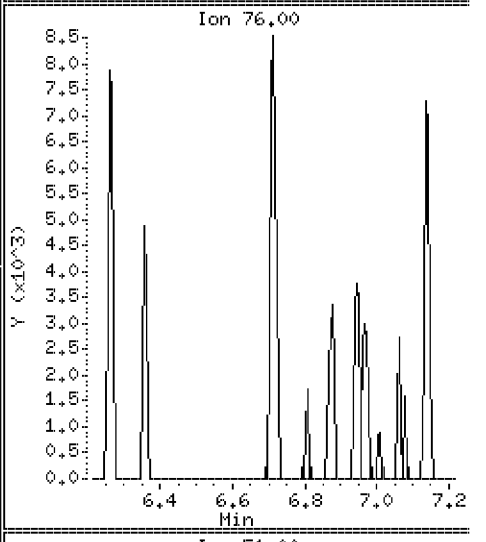
61 1,1-Biphenyl

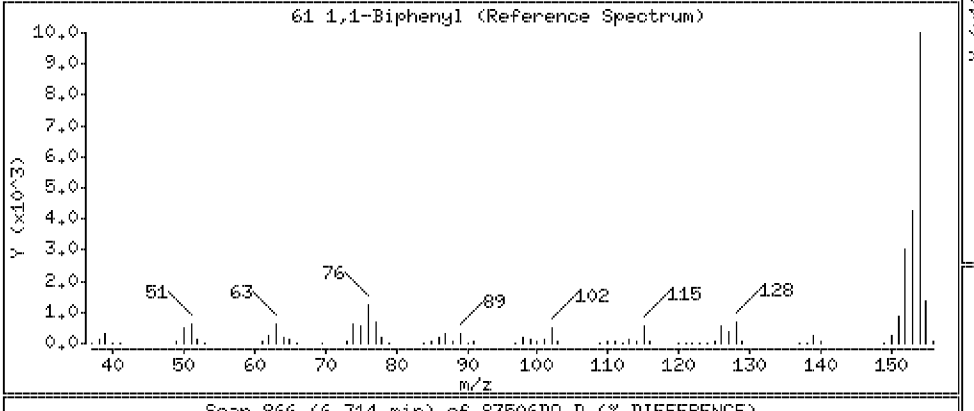
Concentration: 501000 ug/kg

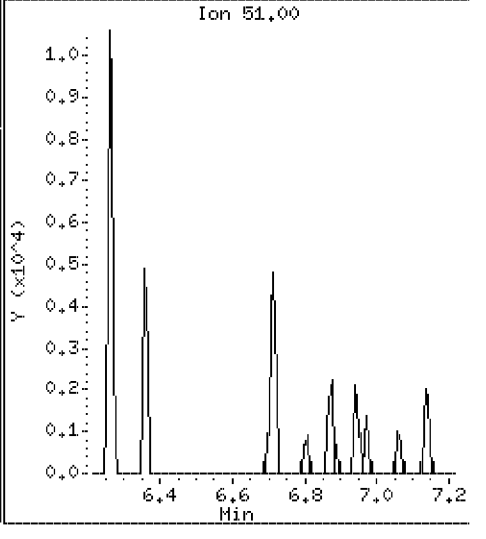


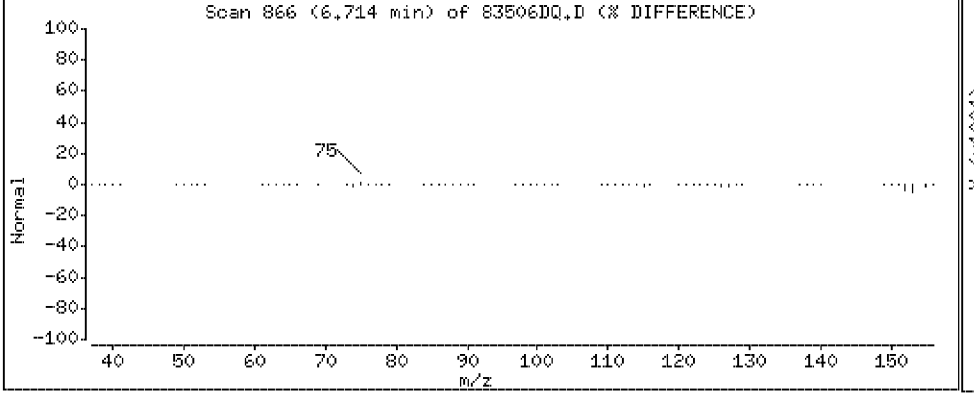












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

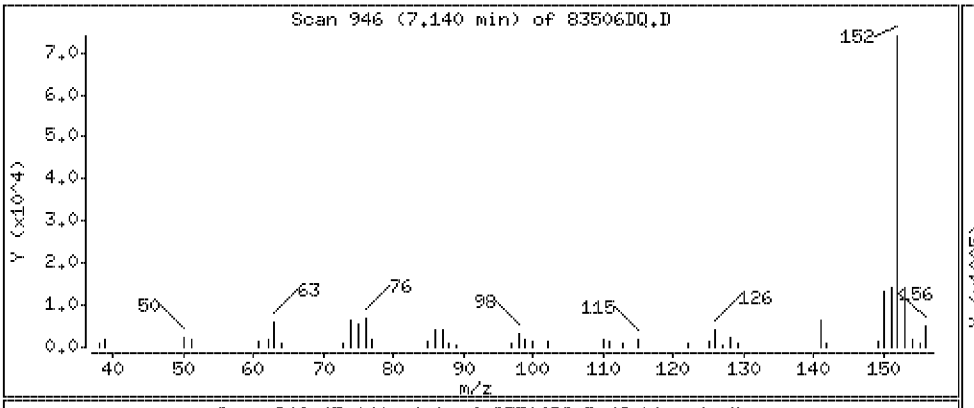
Operator: PEL

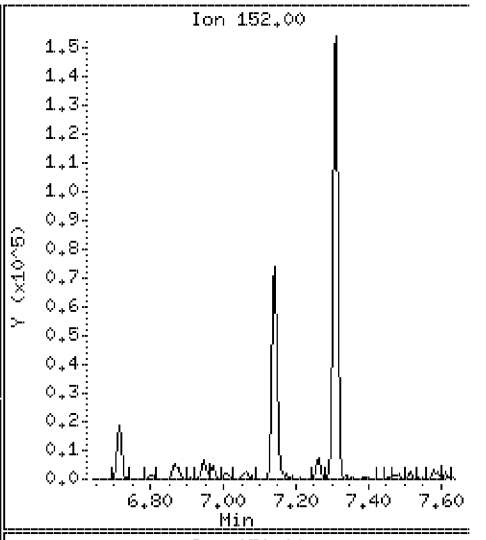
Column phase: HPMS-5

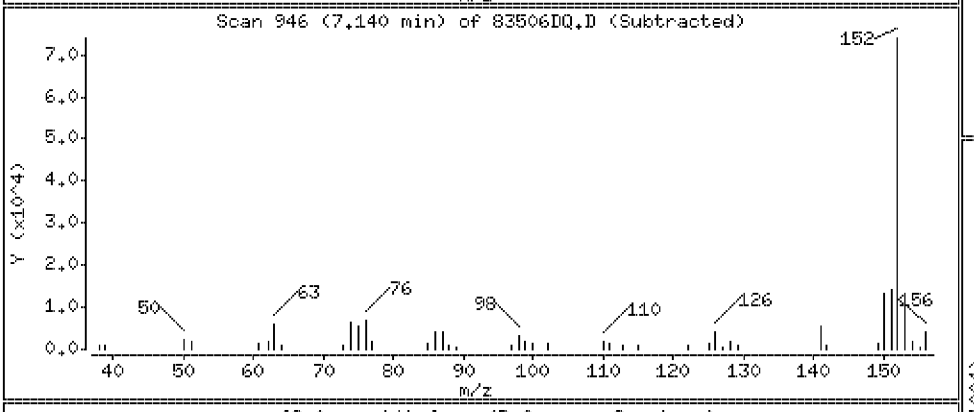
Column diameter: 0.25

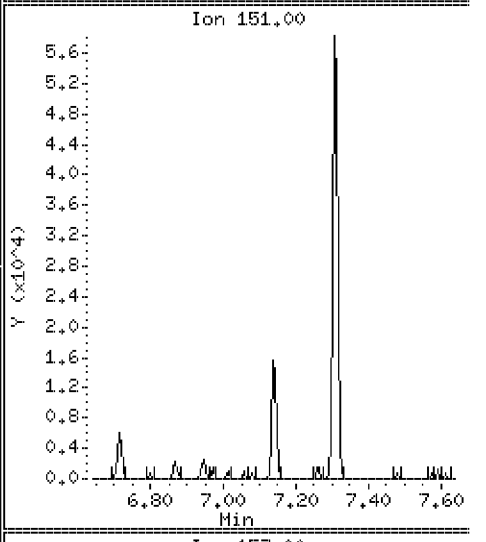
68 Acenaphthylene

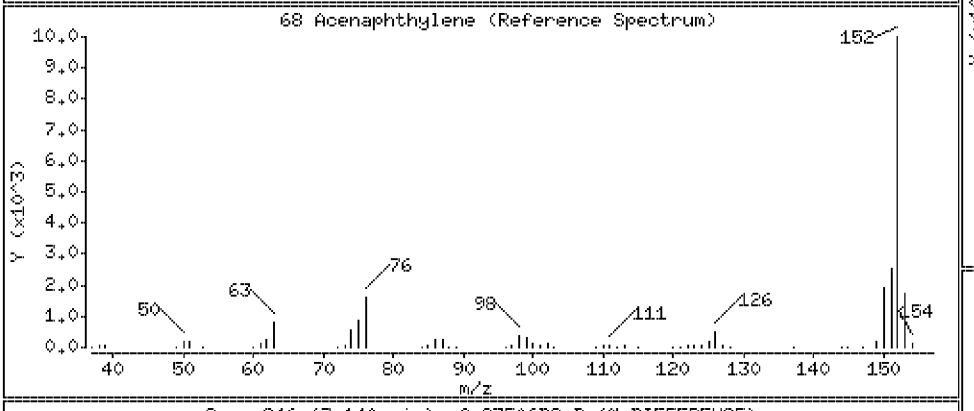
Concentration: 558000 ug/kg

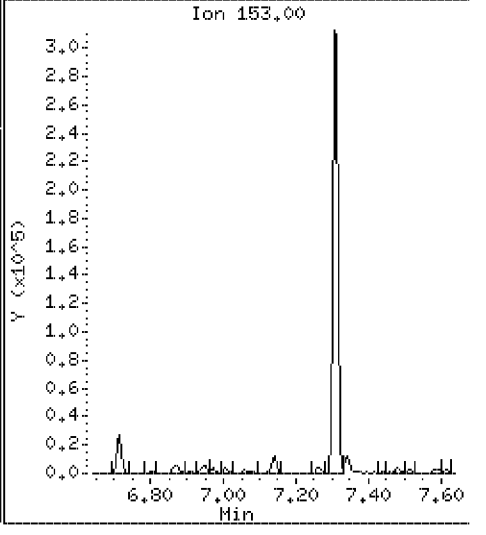


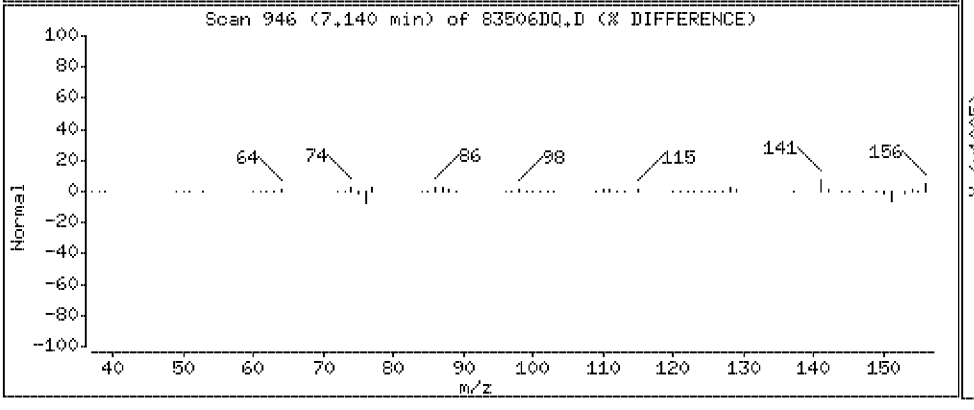












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

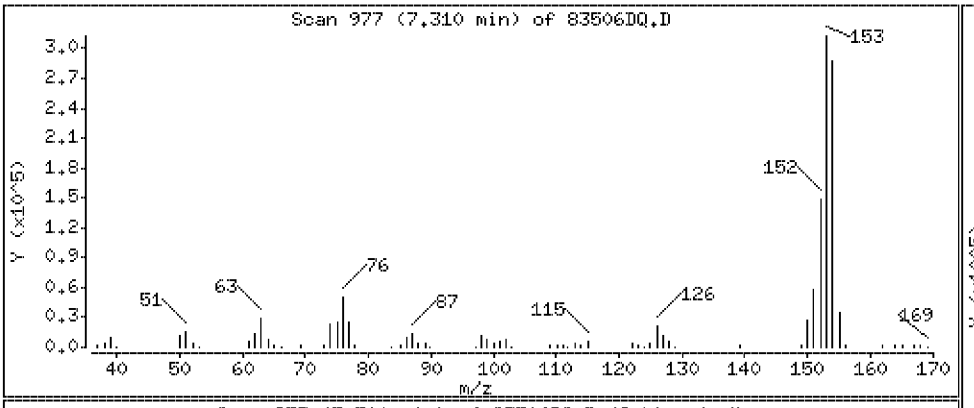
Operator: PEL

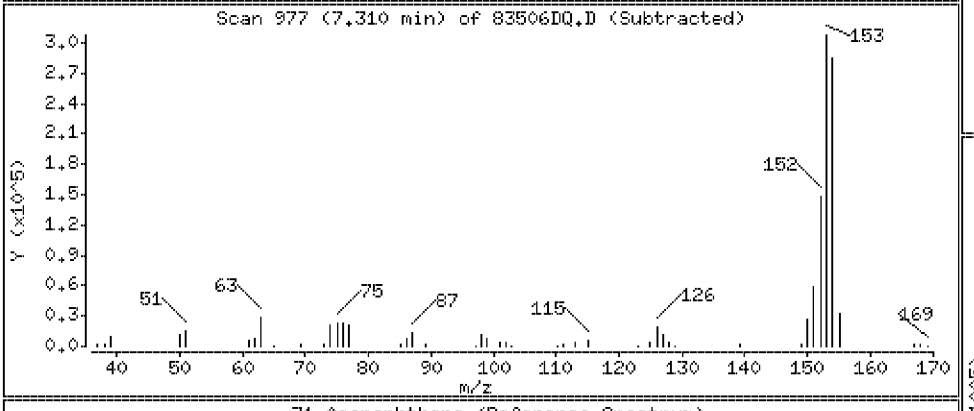
Column phase: HPMS-5

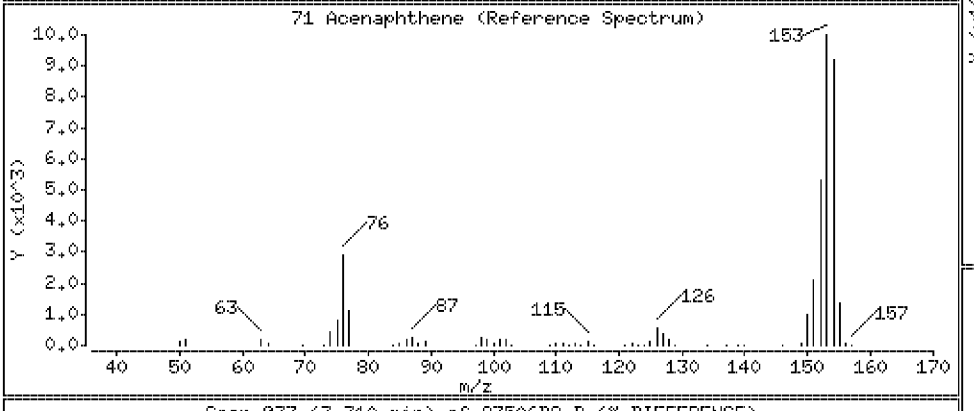
Column diameter: 0.25

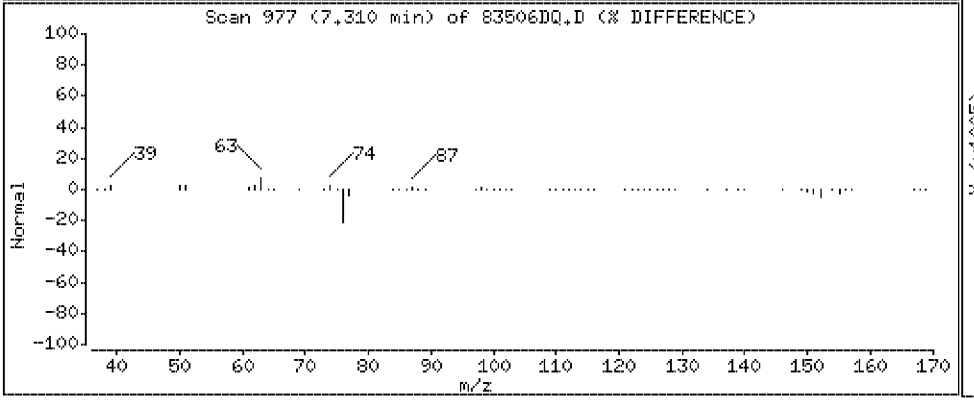
71 Acenaphthene

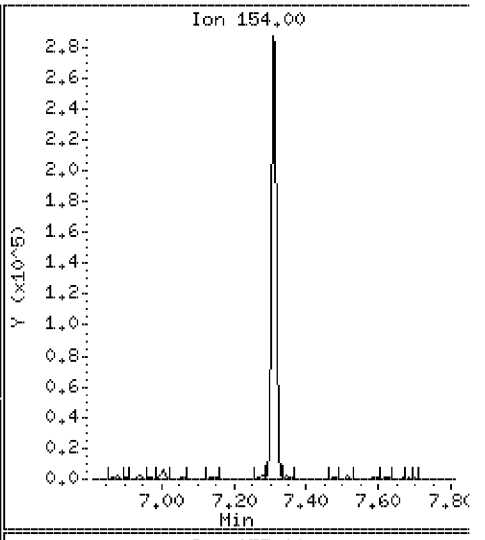
Concentration: 3240000 ug/kg

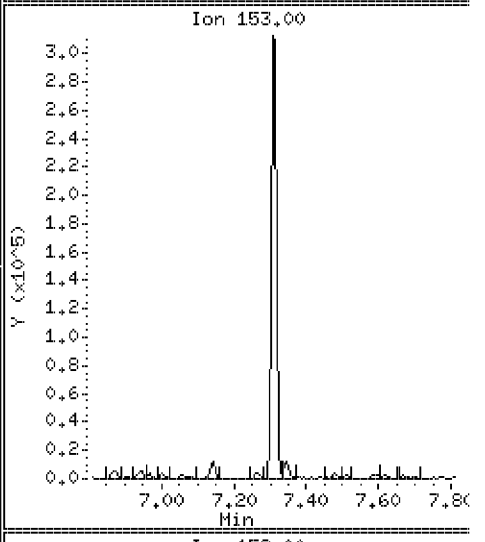


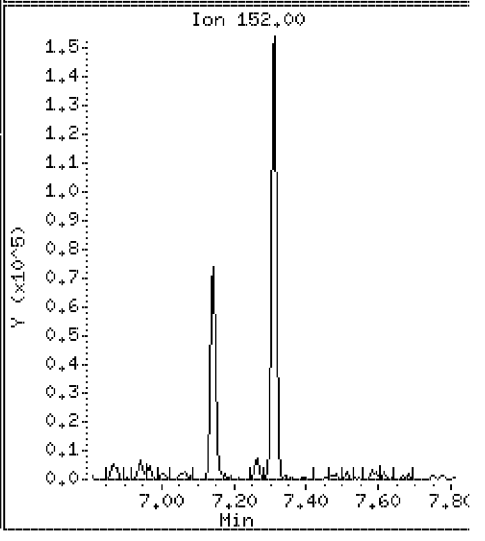












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

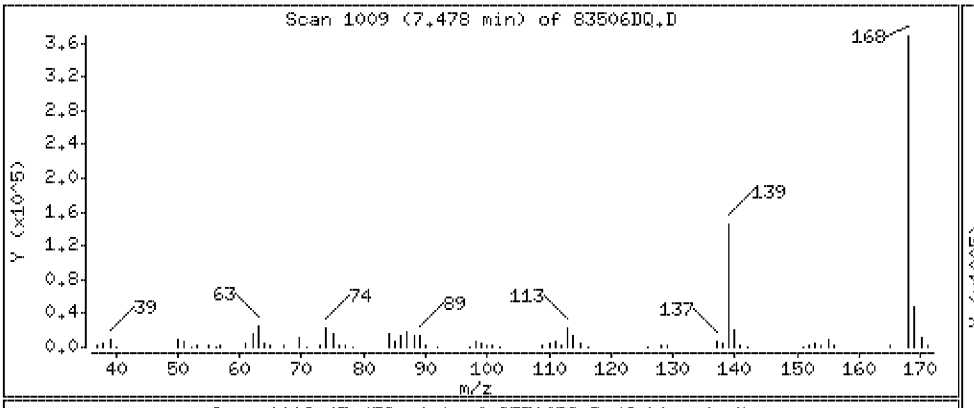
Operator: PEL

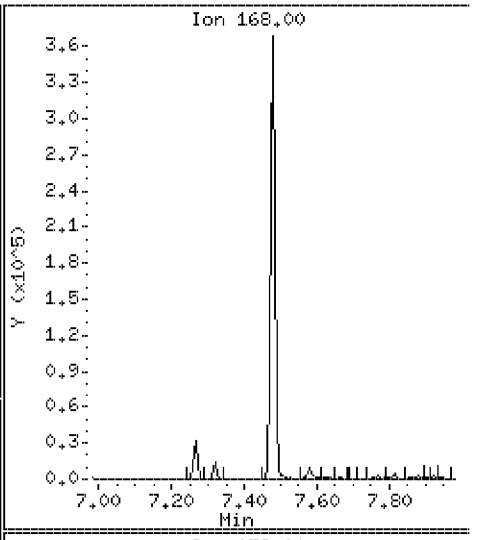
Column phase: HPMS-5

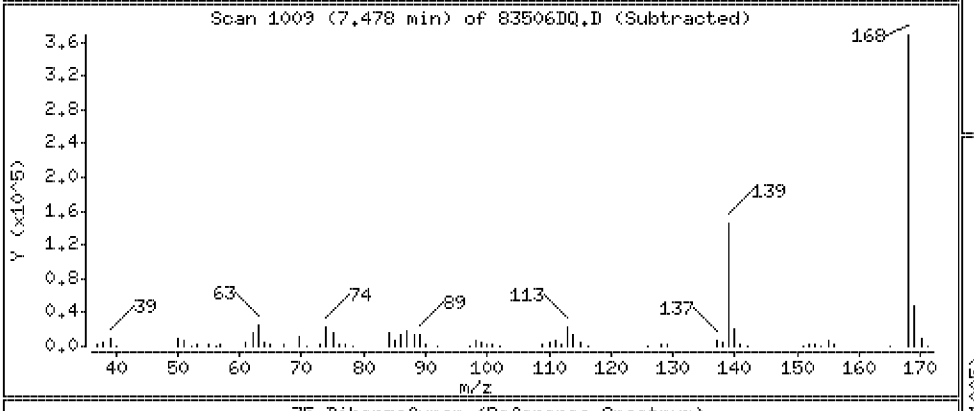
Column diameter: 0.25

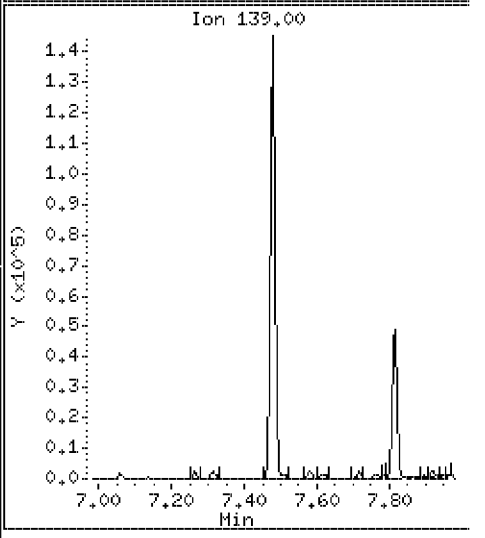
75 Dibenzofuran

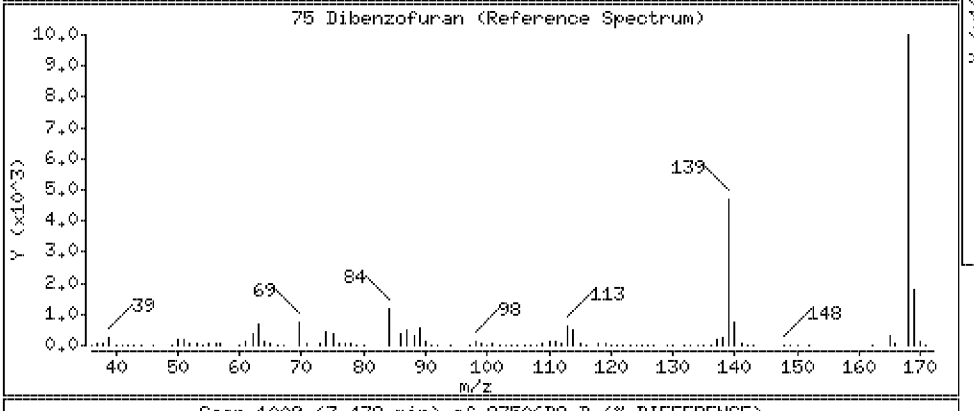
Concentration: 2380000 ug/kg

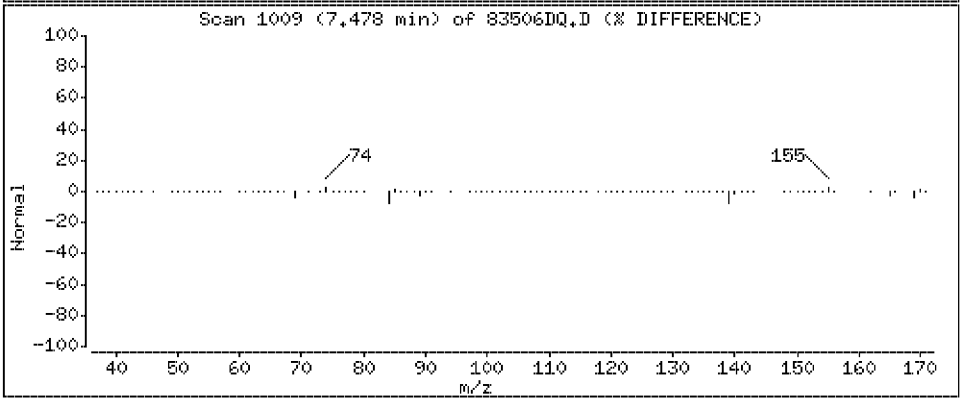












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

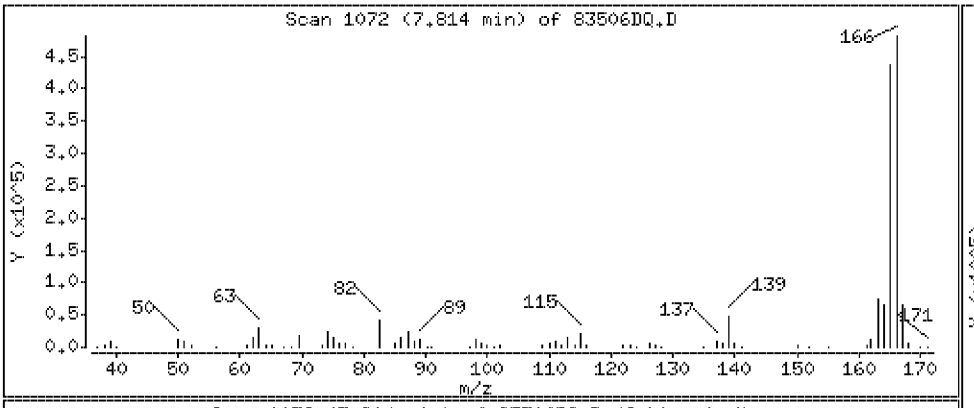
Operator: PEL

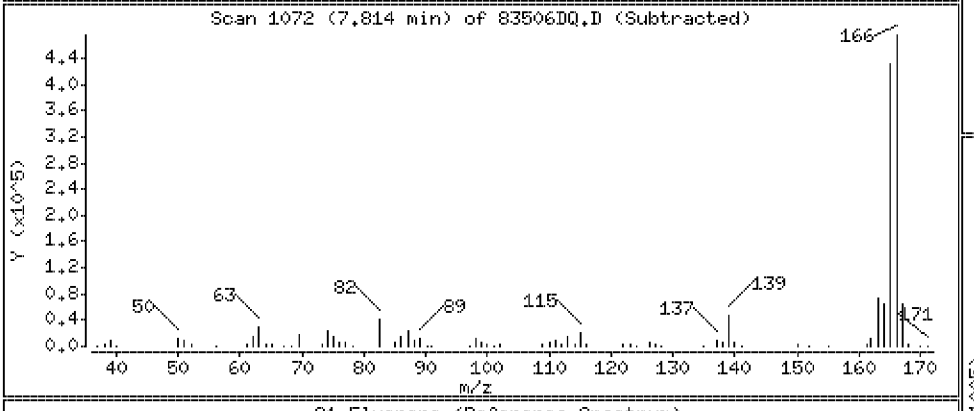
Column phase: HPMS-5

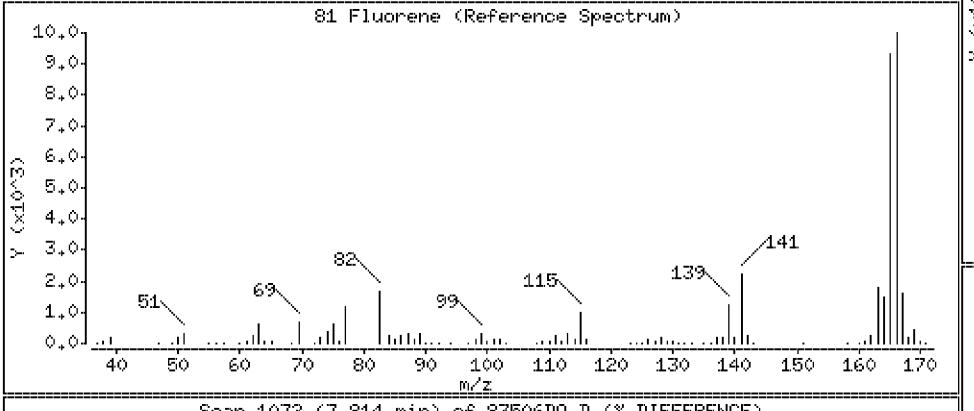
Column diameter: 0.25

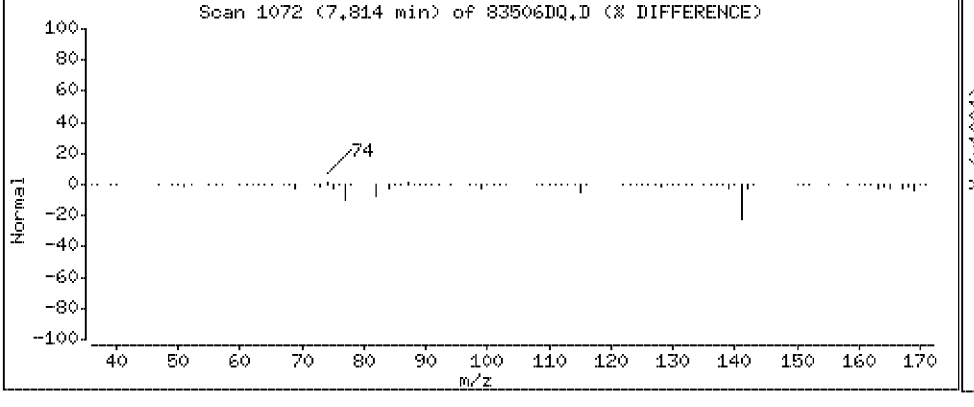
81 Fluorene

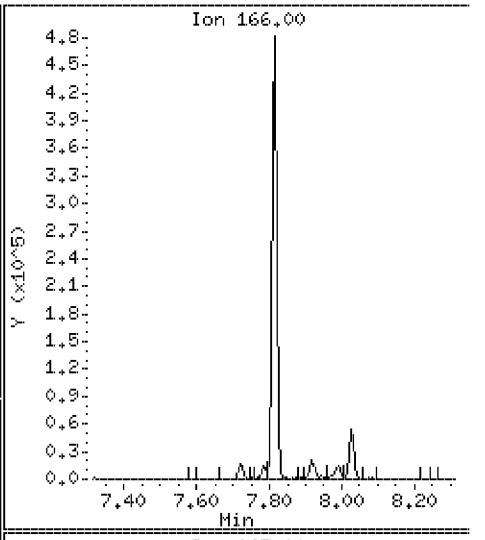
Concentration: 3680000 ug/kg

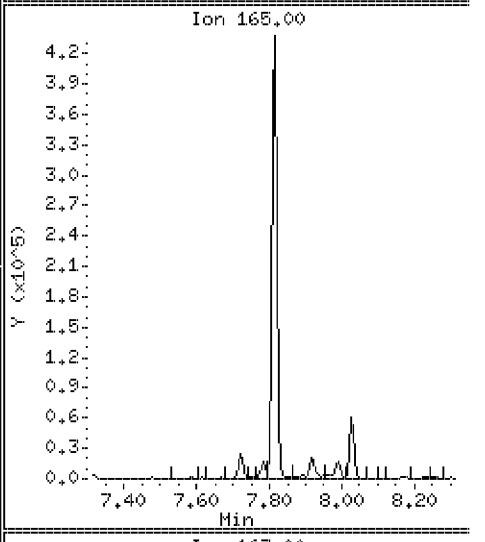


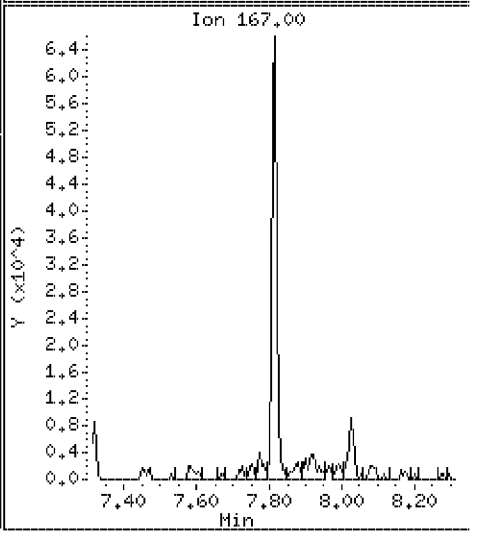












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

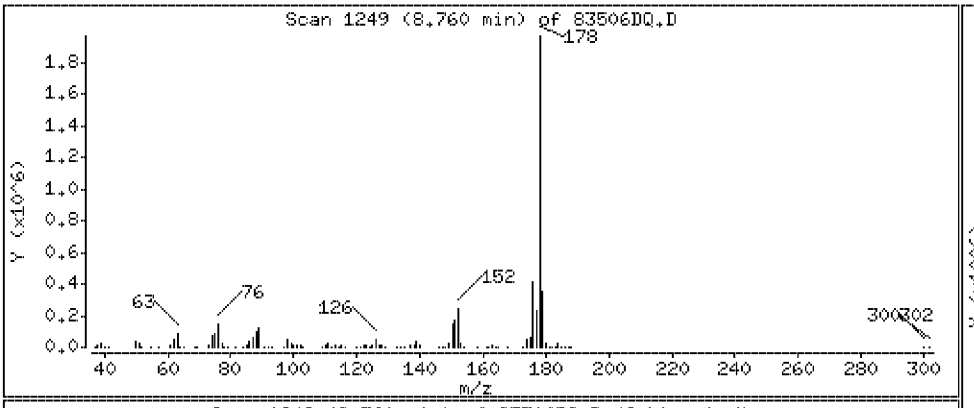
Operator: PEL

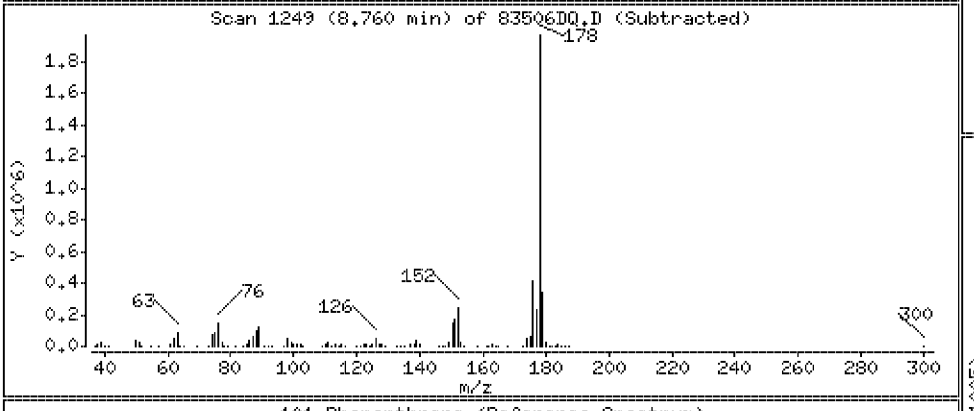
Column phase: HPMS-5

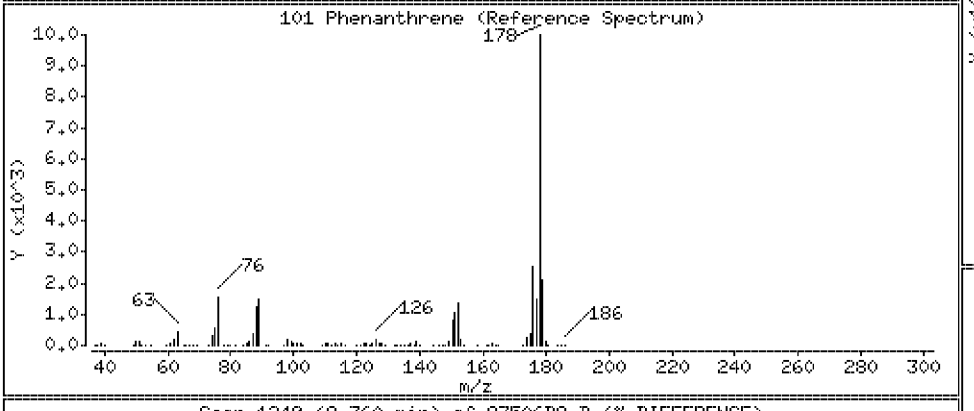
Column diameter: 0.25

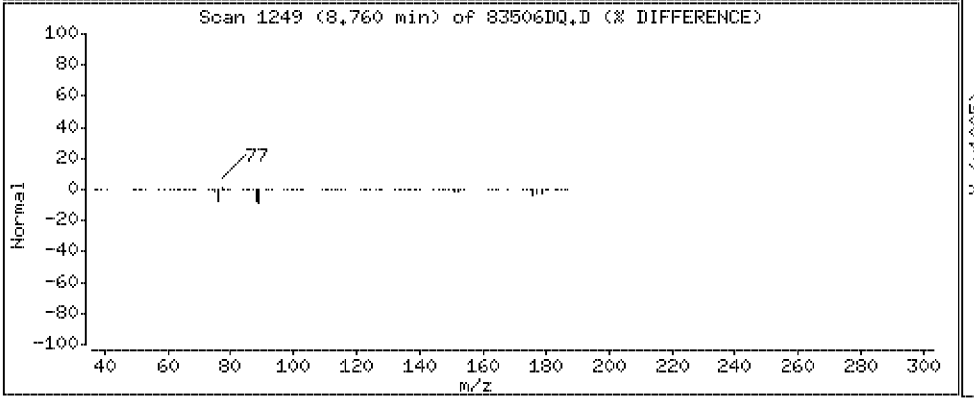
101 Phenanthrene

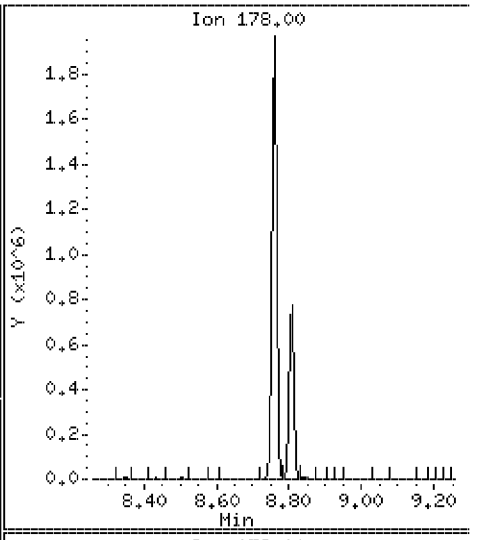
Concentration: 11600000 ug/kg

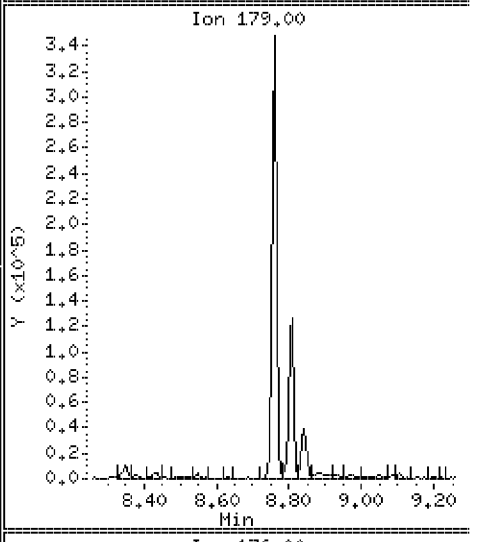


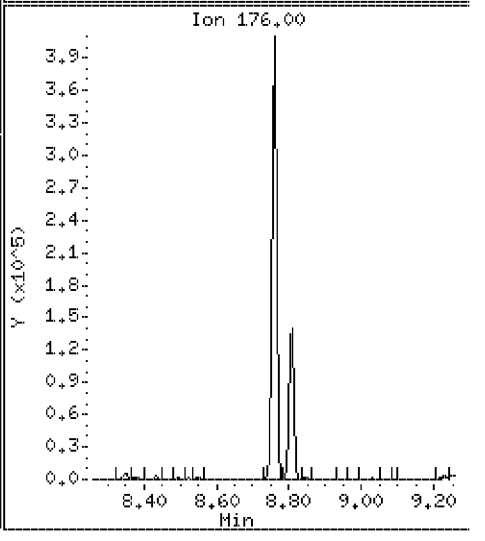












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

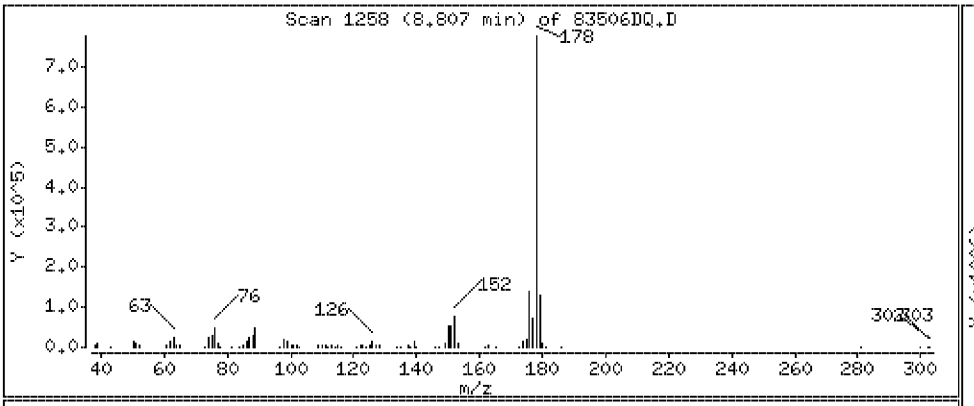
Operator: PEL

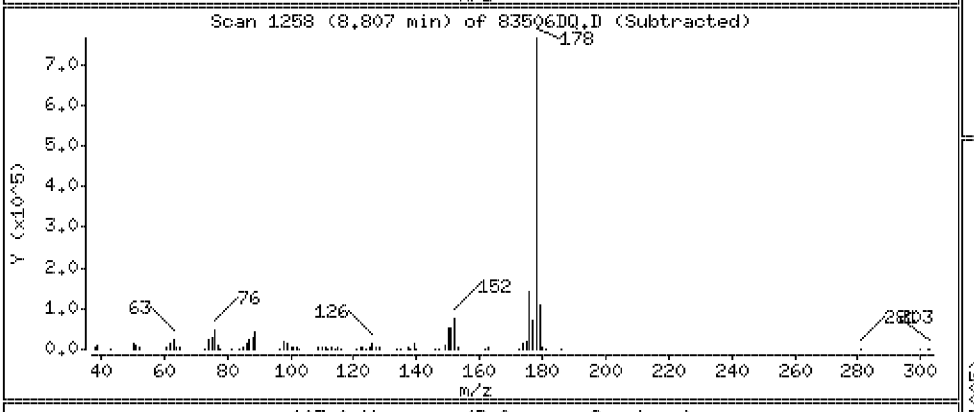
Column phase: HPMS-5

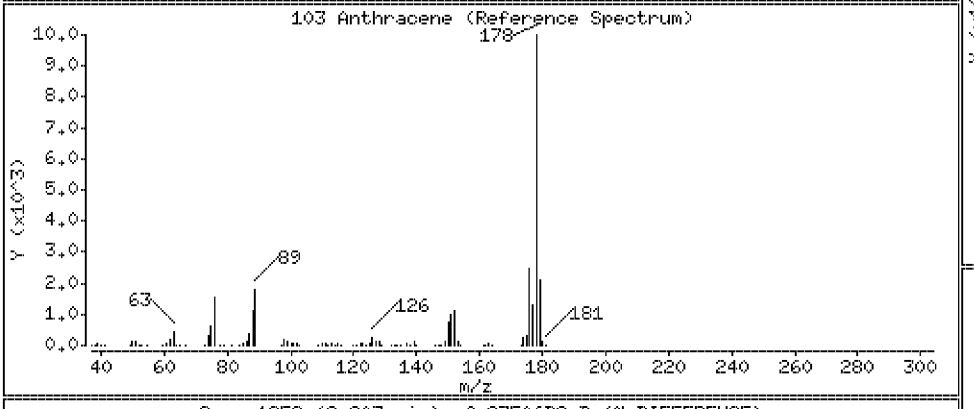
Column diameter: 0.25

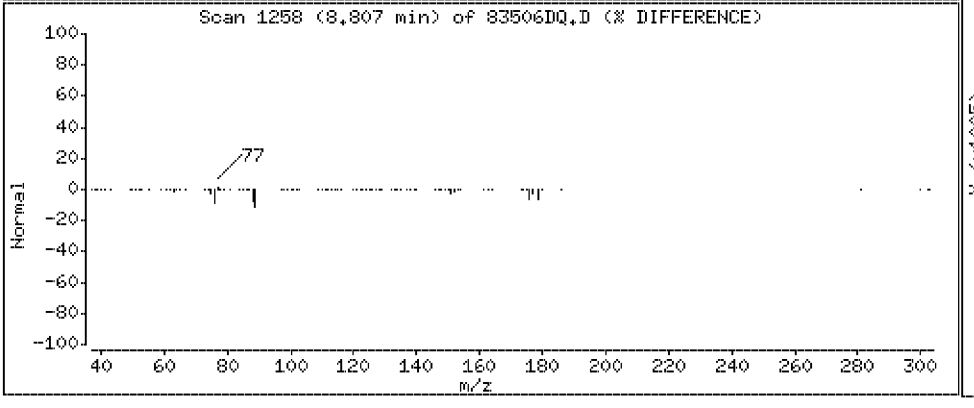
103 Anthracene

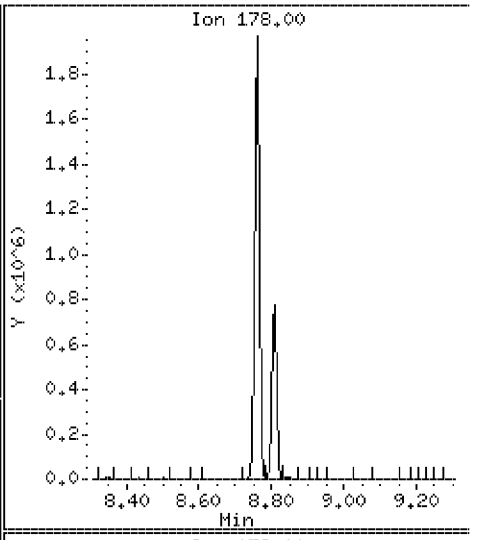
Concentration: 4750000 ug/kg

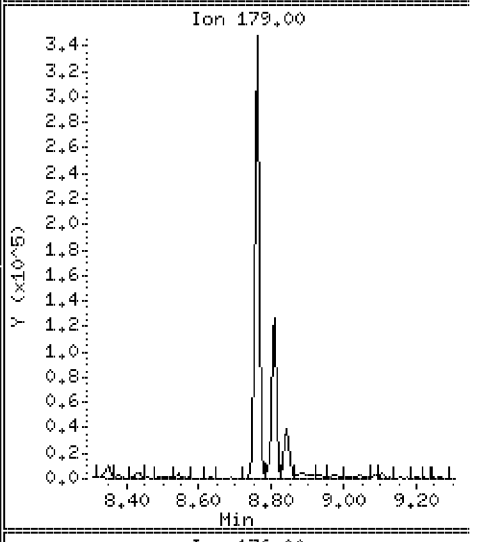


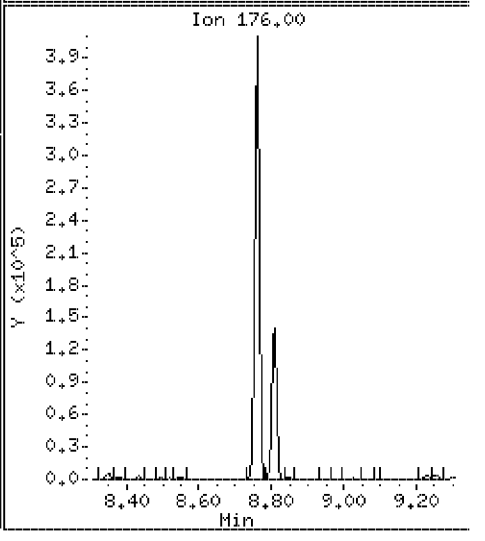












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

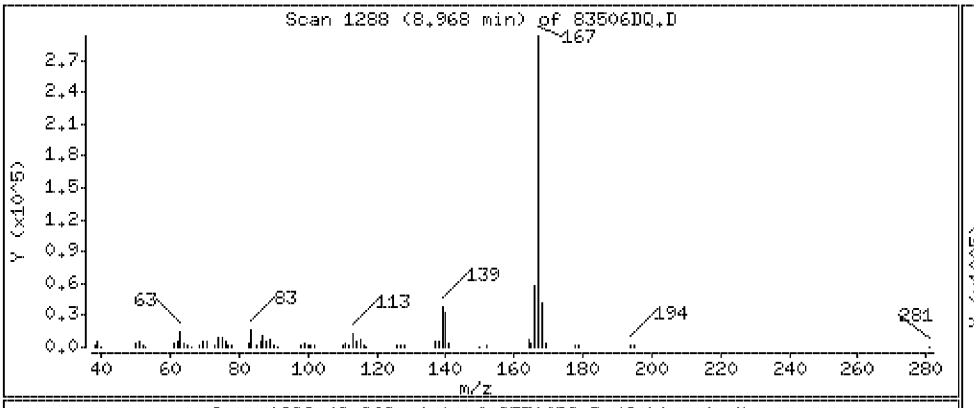
Operator: PEL

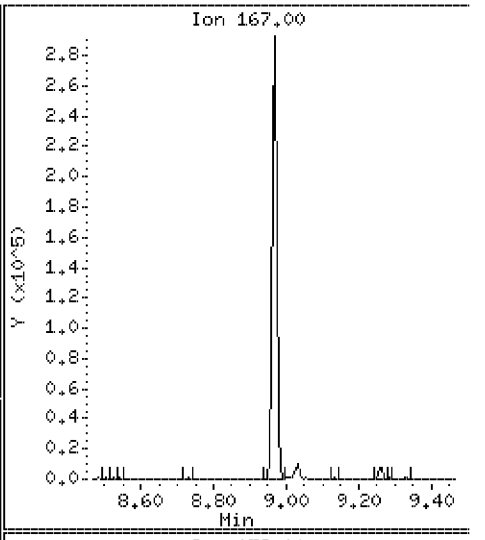
Column phase: HPMS-5

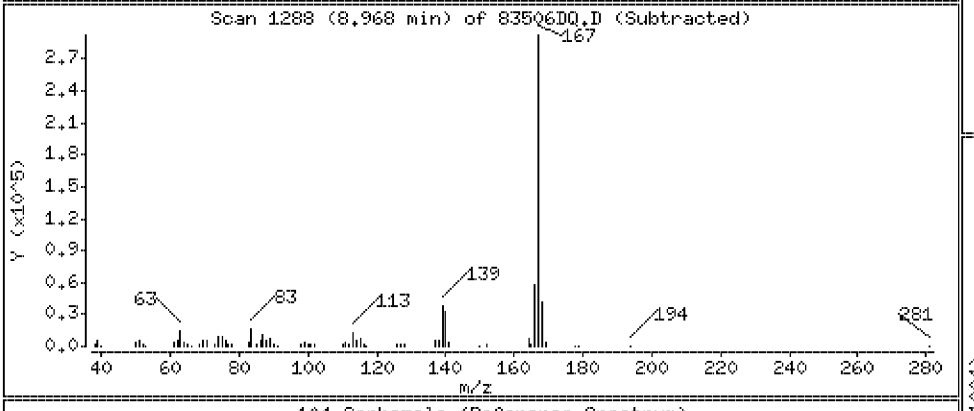
Column diameter: 0.25

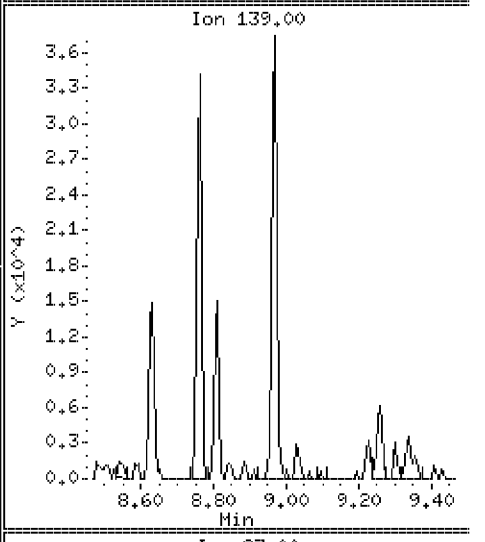
104 Carbazole

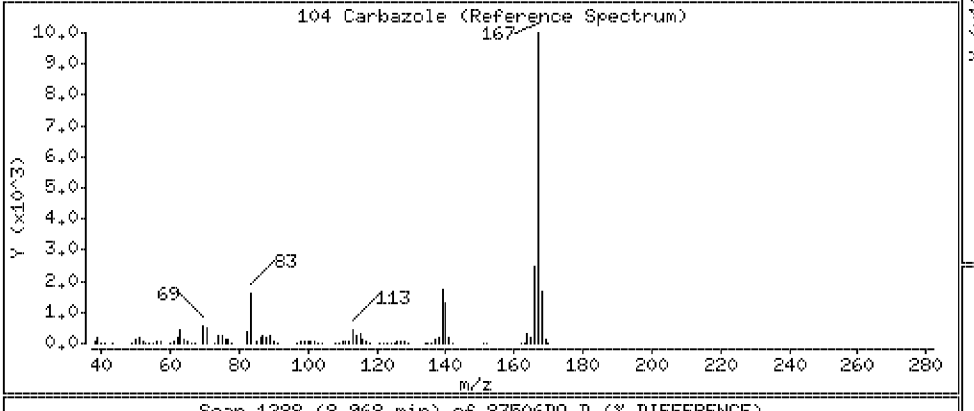
Concentration: 2070000 ug/kg

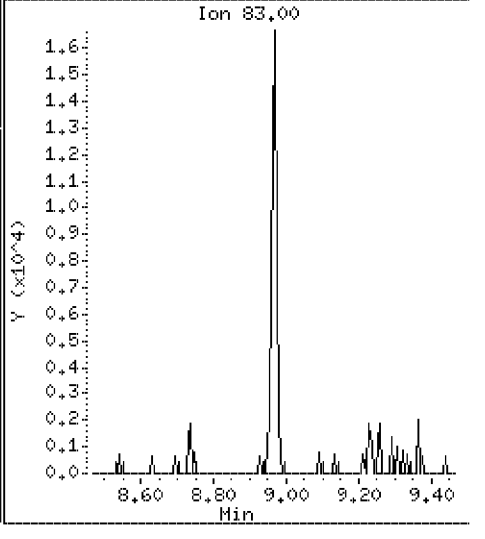


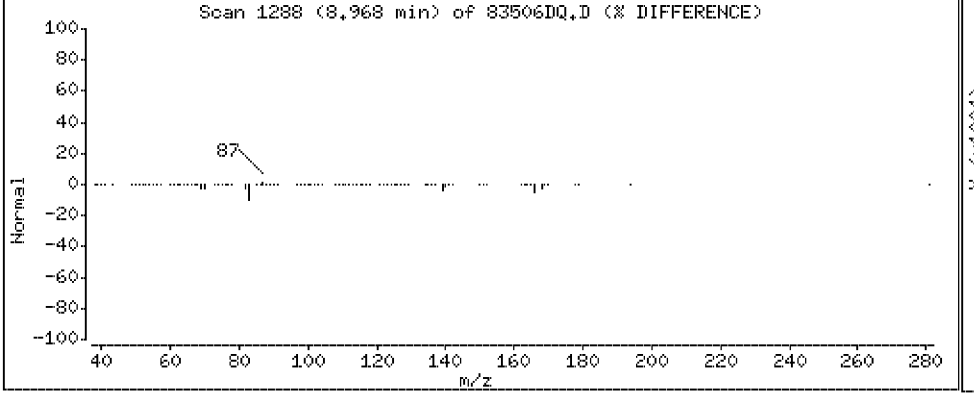












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

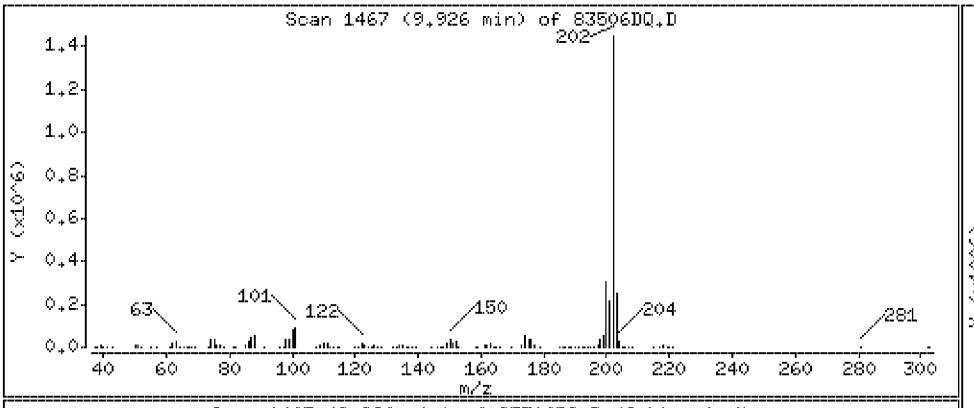
Operator: PEL

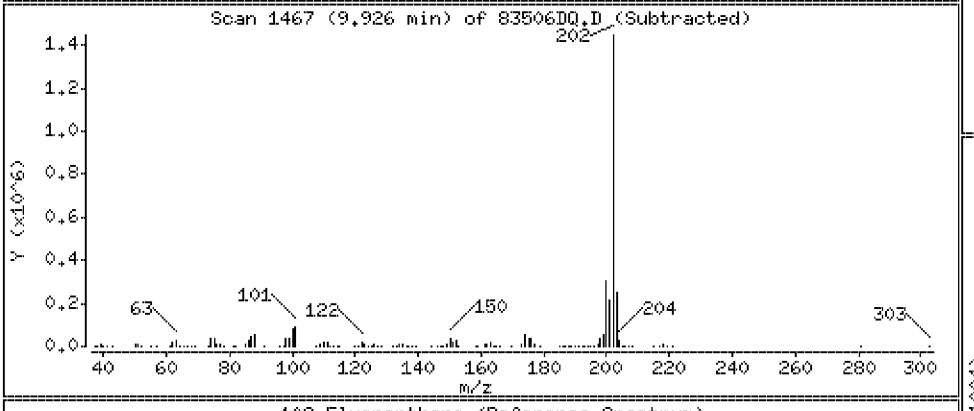
Column phase: HPMS-5

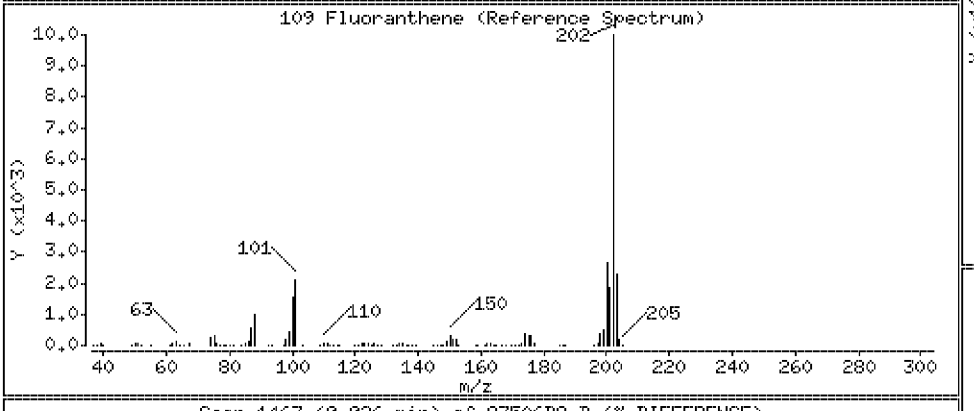
Column diameter: 0.25

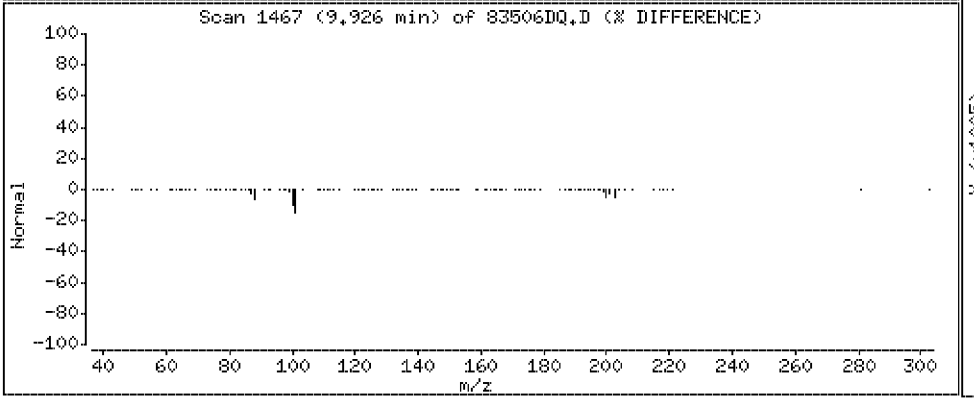
109 Fluoranthene

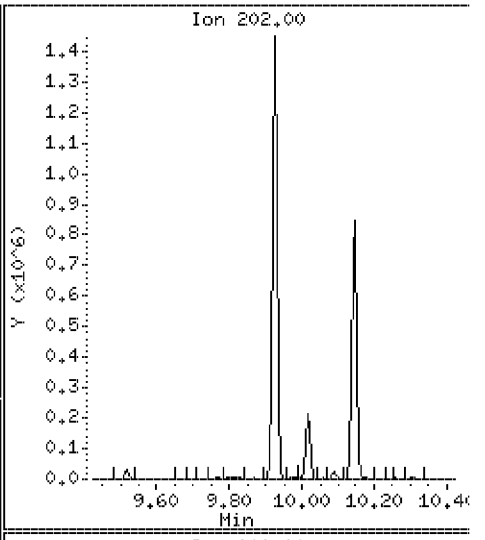
Concentration: 7300000 ug/kg

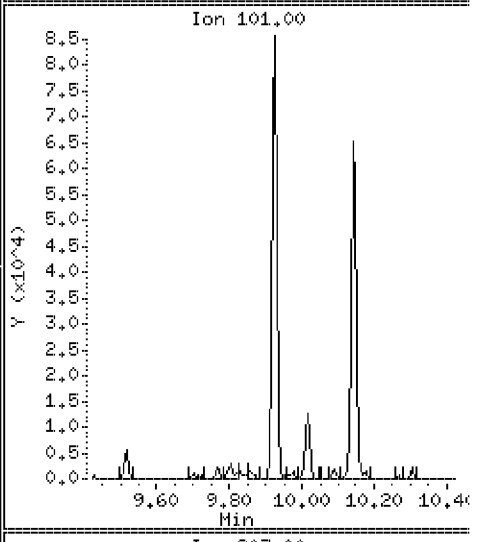


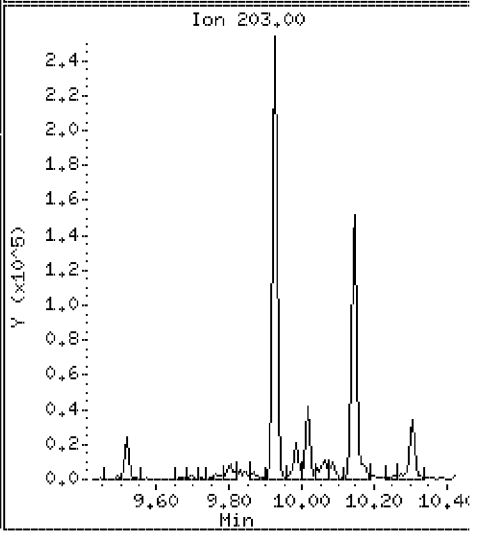












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

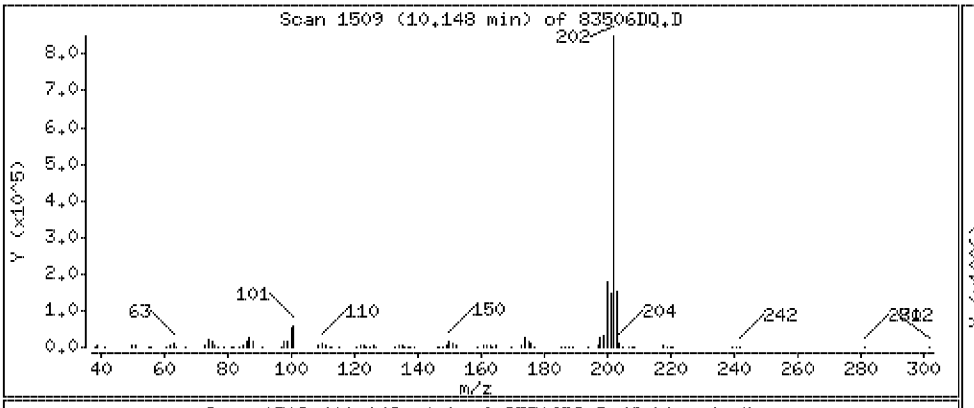
Operator: PEL

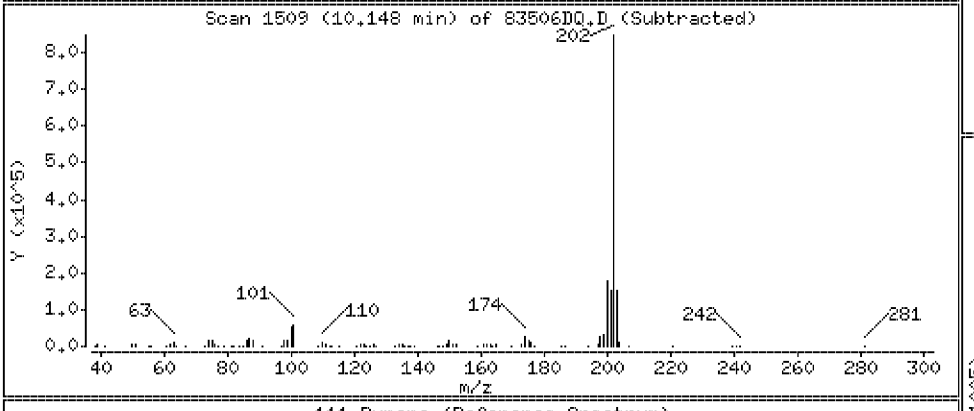
Column phase: HPMS-5

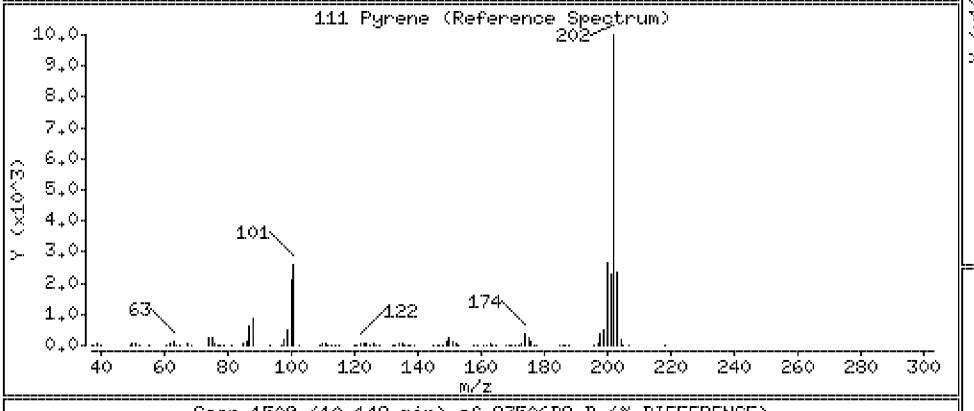
Column diameter: 0.25

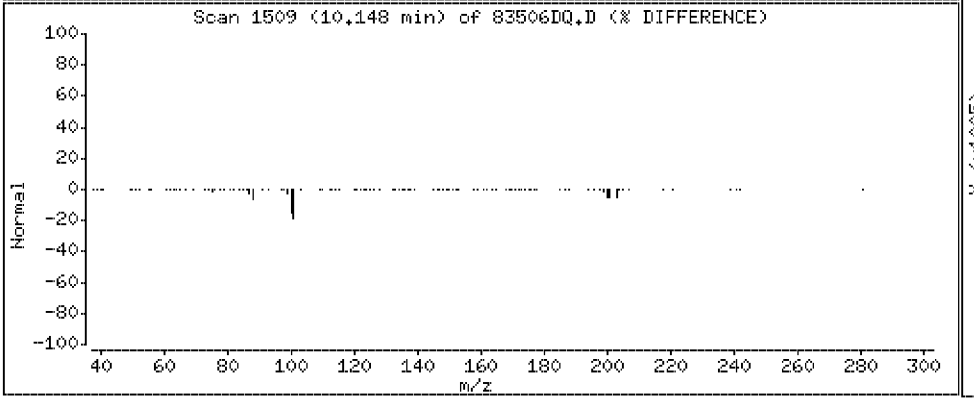
111 Pyrene

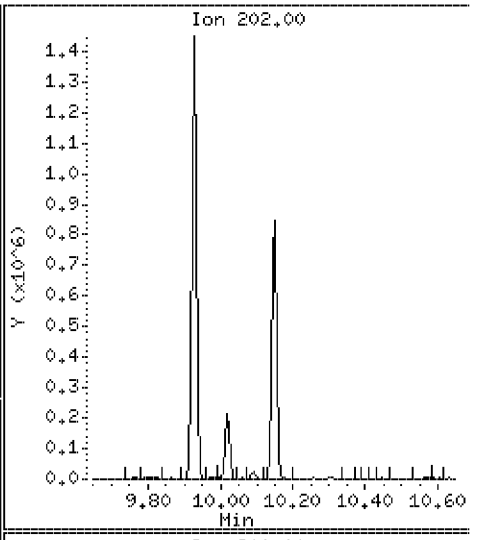
Concentration: 4950000 ug/kg

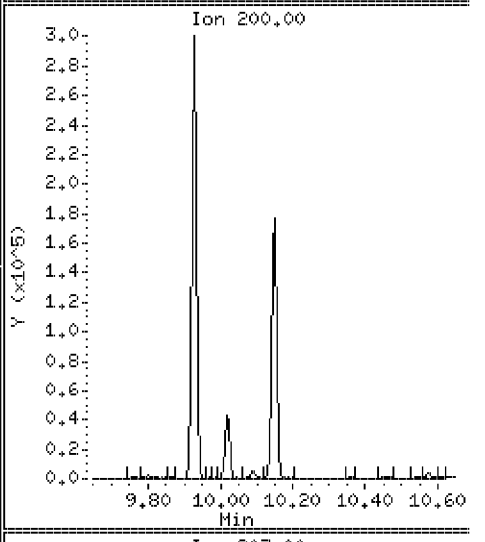


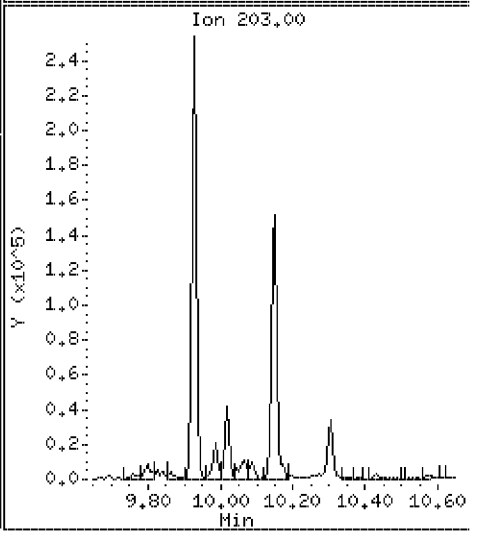












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

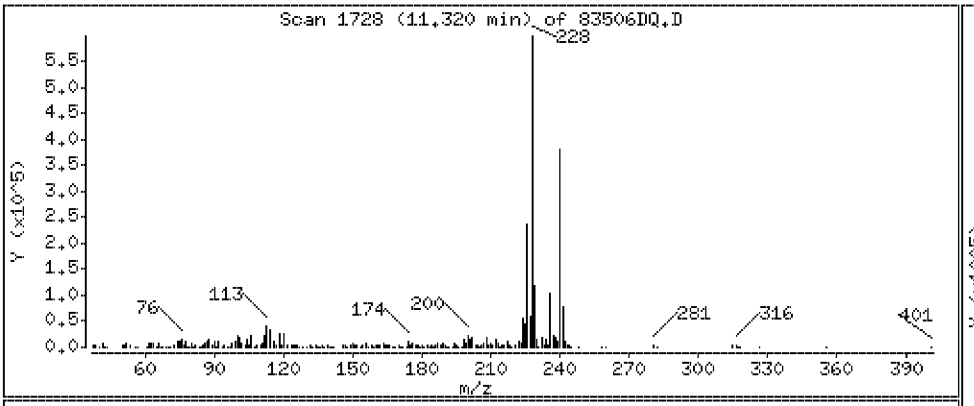
Operator: PEL

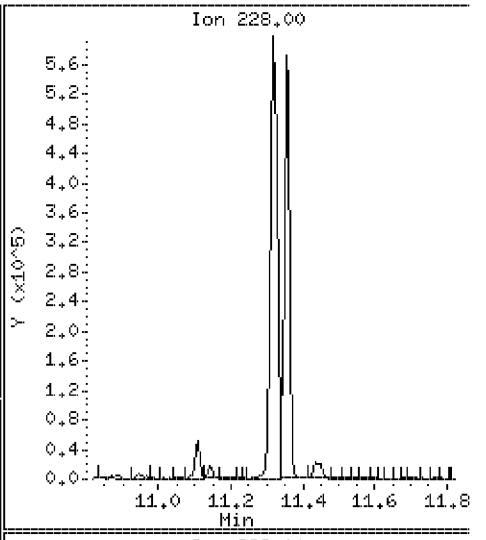
Column phase: HPMS-5

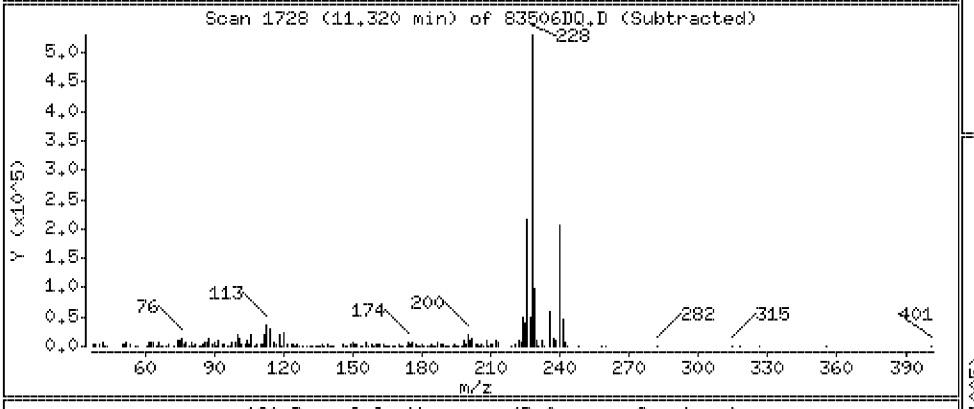
Column diameter: 0.25

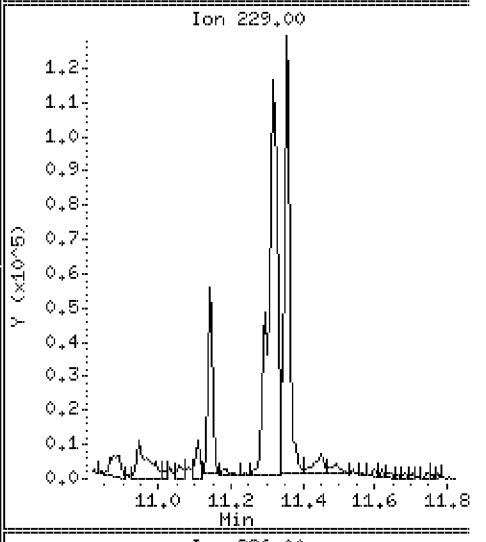
120 Benzo[a]anthracene

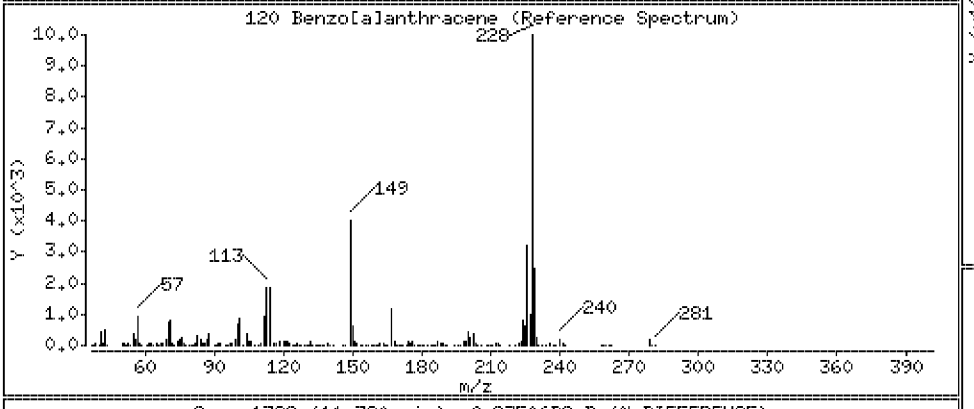
Concentration: 3210000 ug/kg

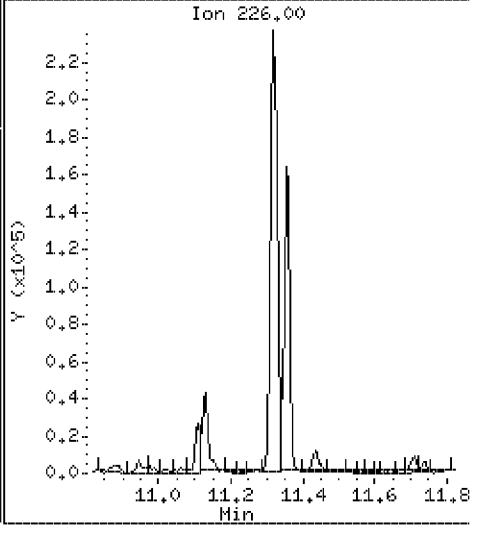


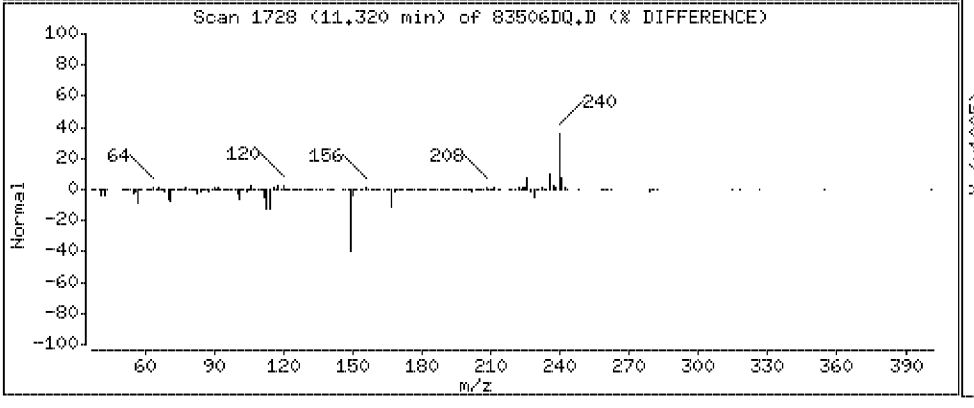












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

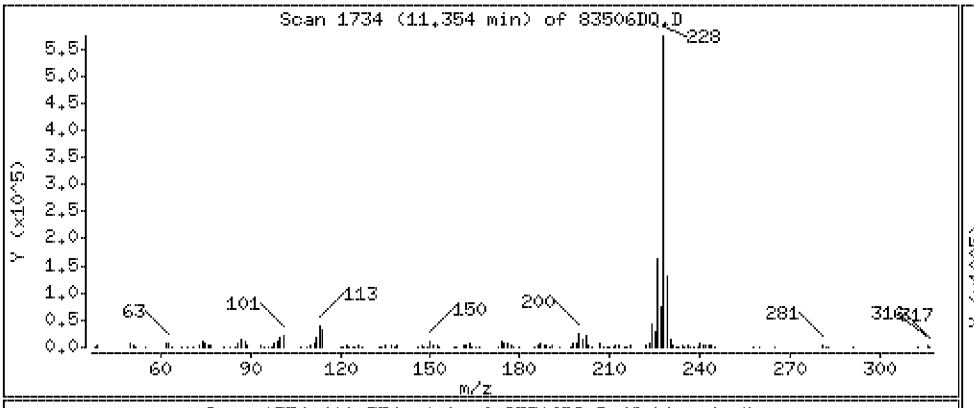
Operator: PEL

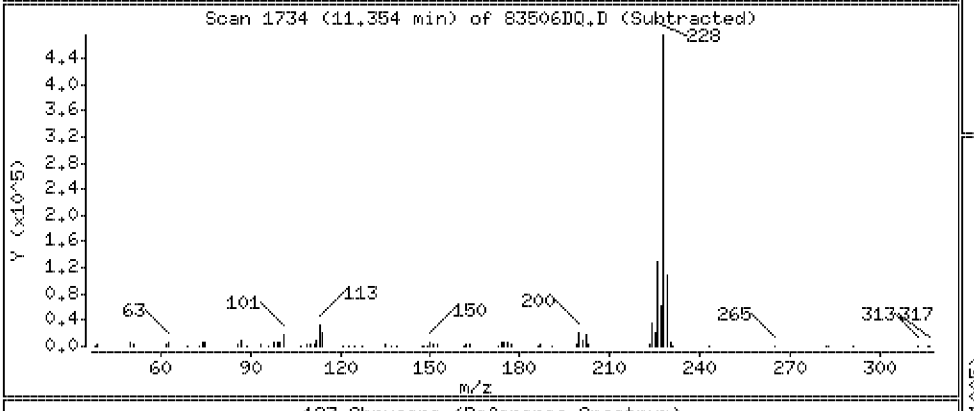
Column phase: HPMS-5

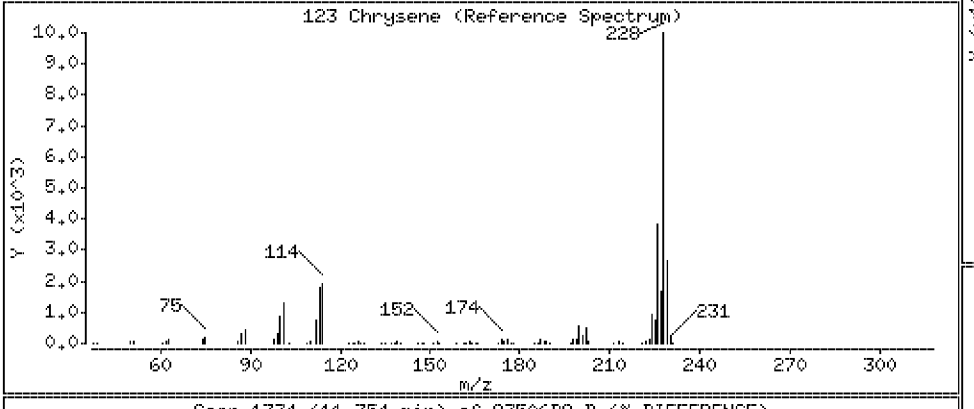
Column diameter: 0.25

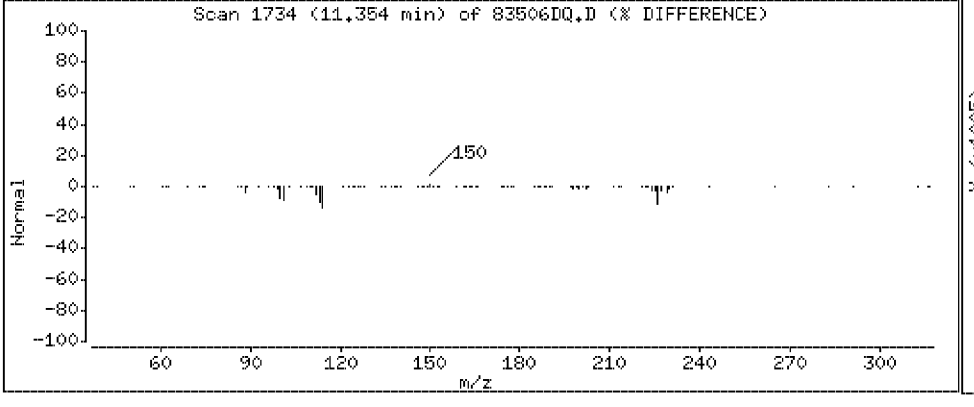
123 Chrysene

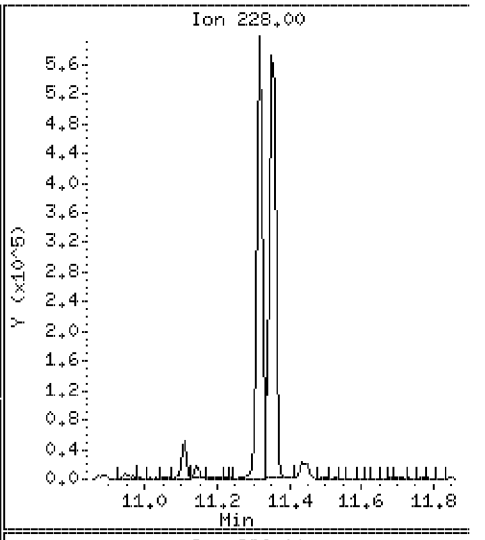
Concentration: 3190000 ug/kg

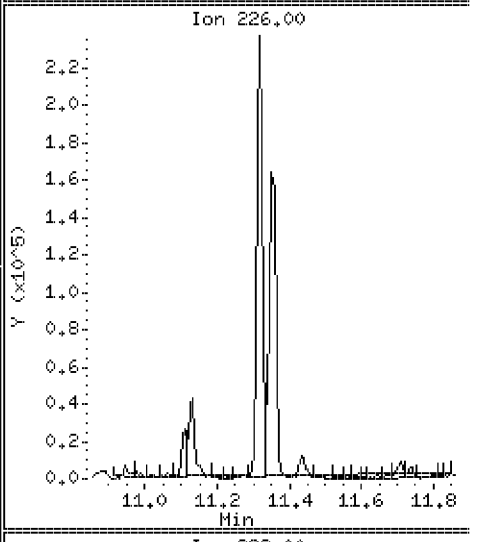


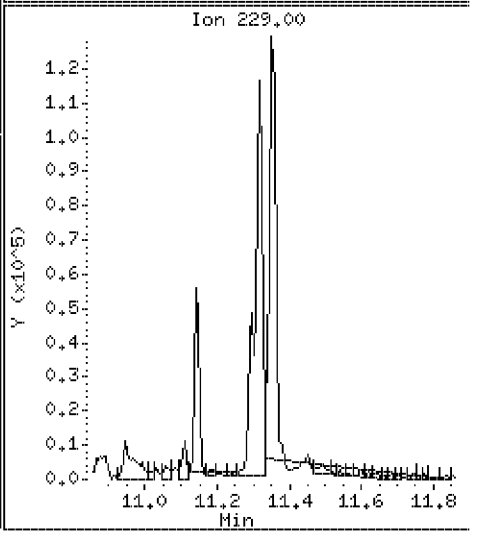












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

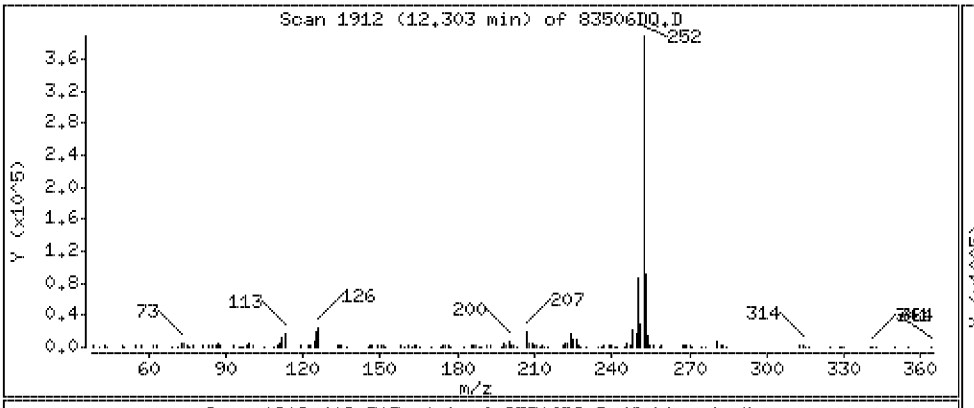
Operator: PEL

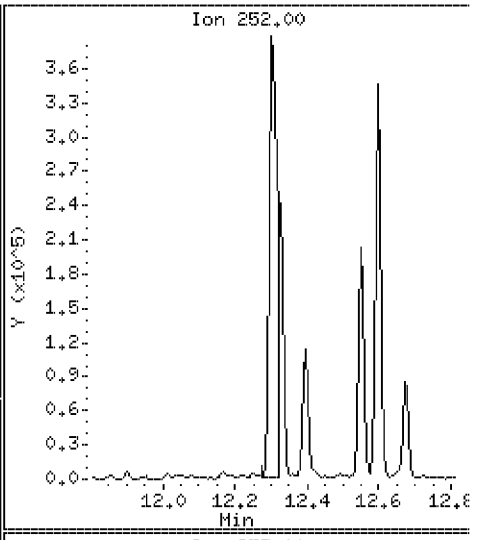
Column phase: HPMS-5

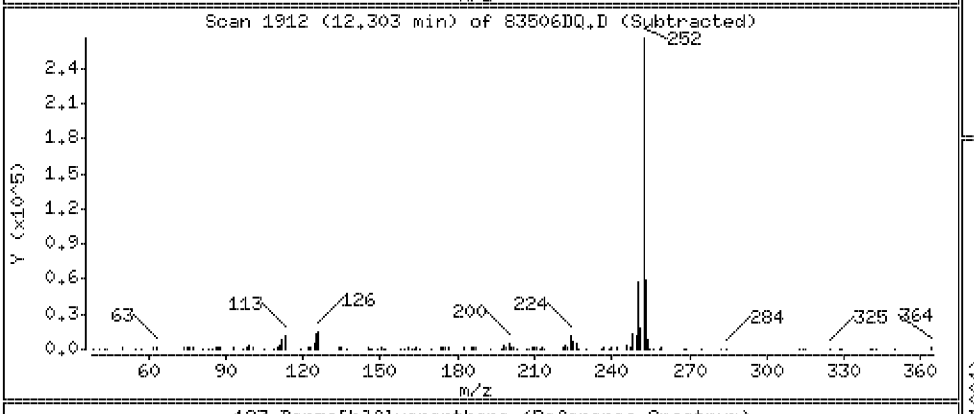
Column diameter: 0.25

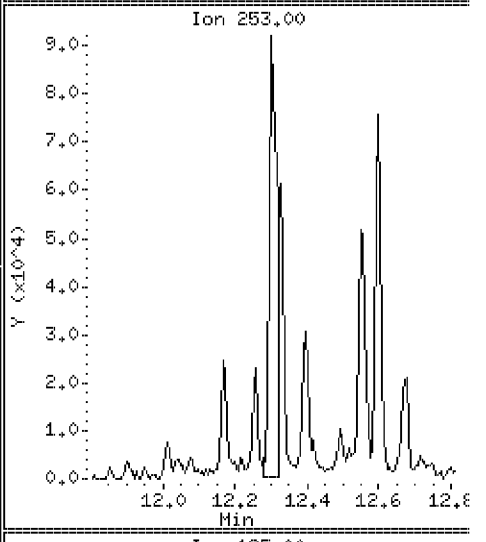
127 Benzo[b]fluoranthene

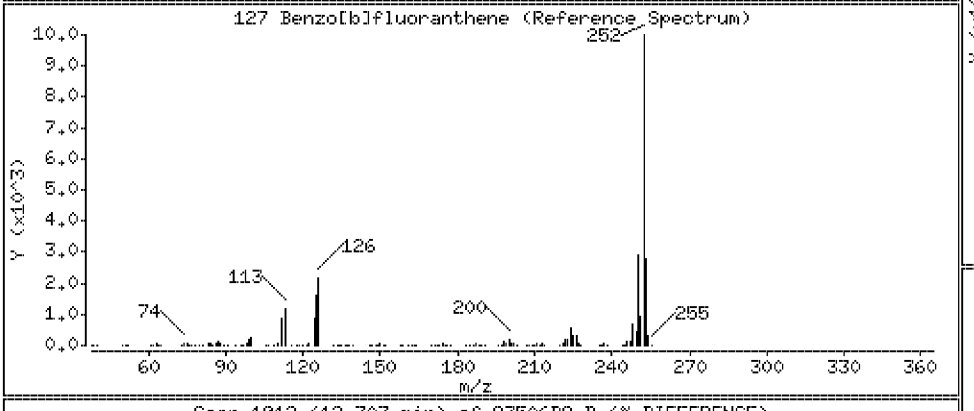
Concentration: 2520000 ug/kg

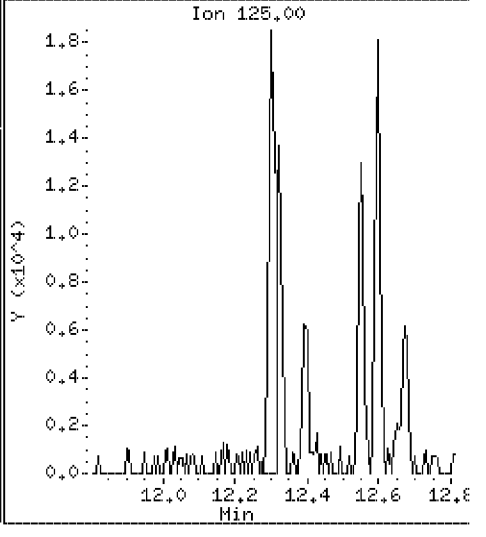


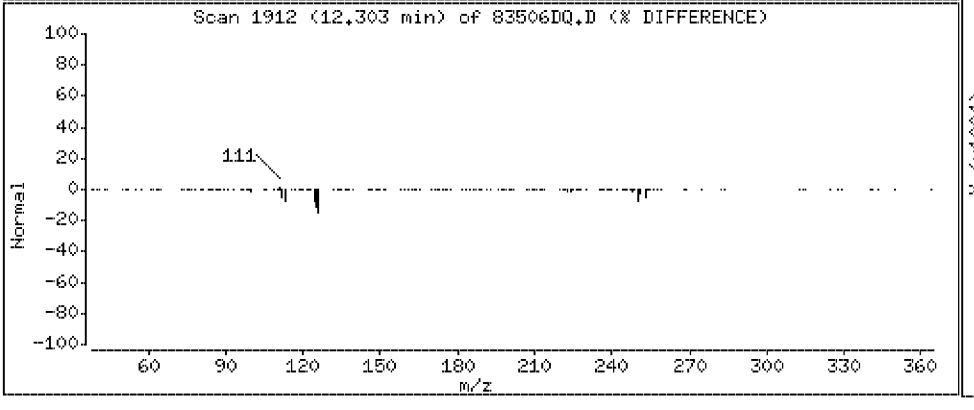












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Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

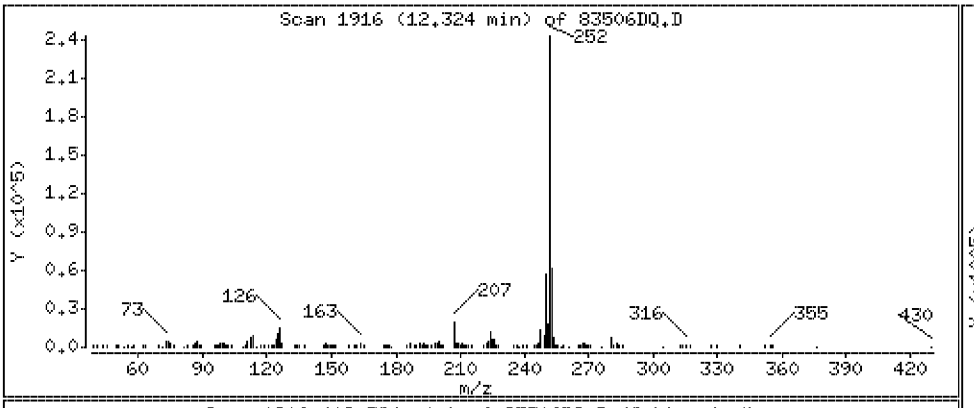
Operator: PEL

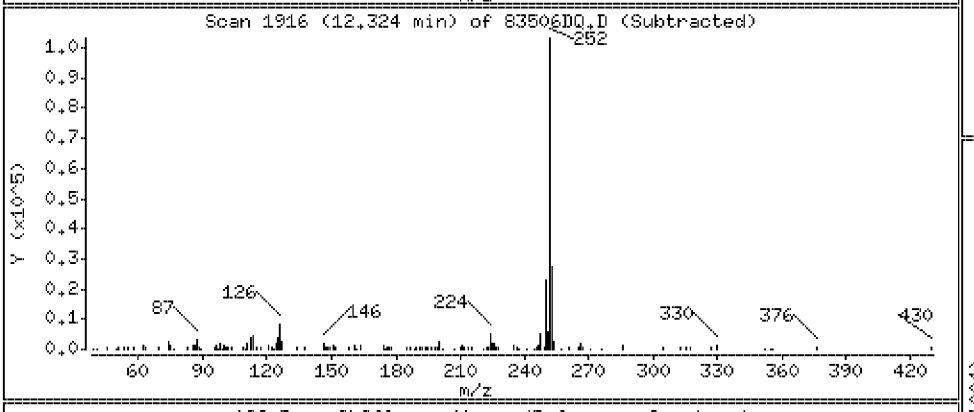
Column phase: HPMS-5

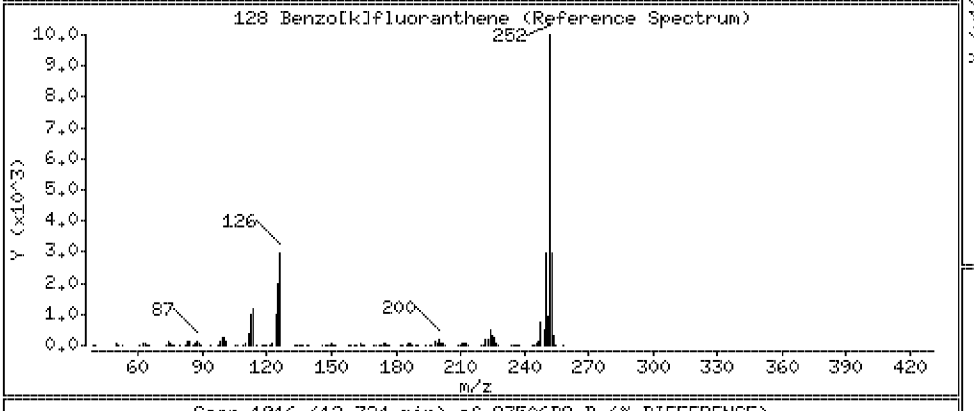
Column diameter: 0.25

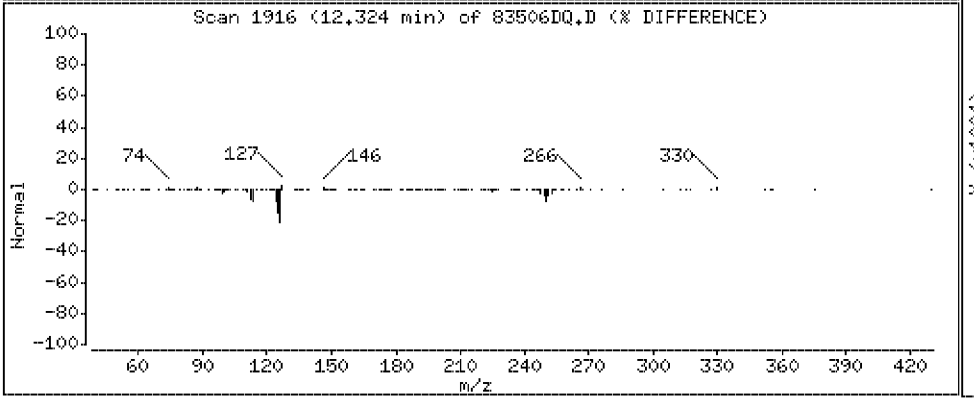
128 Benzo[k]fluoranthene

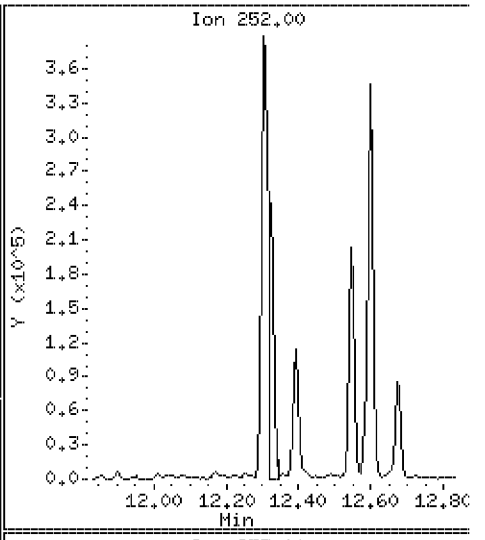
Concentration: 1200000 ug/kg

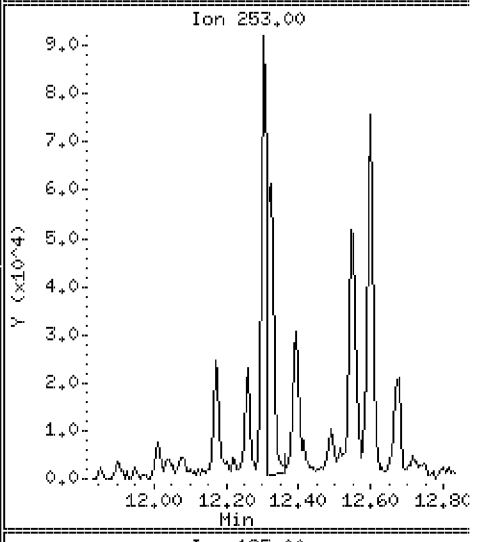


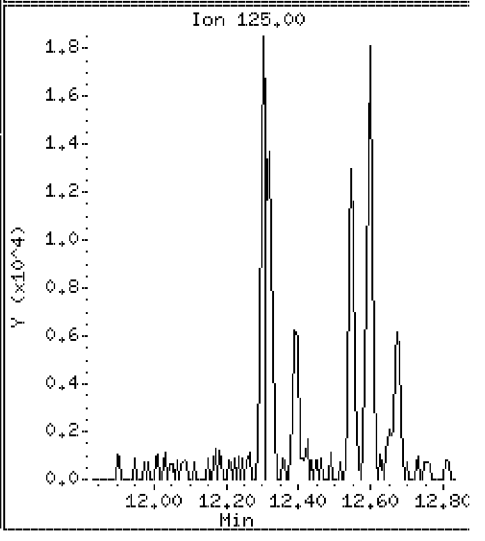












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

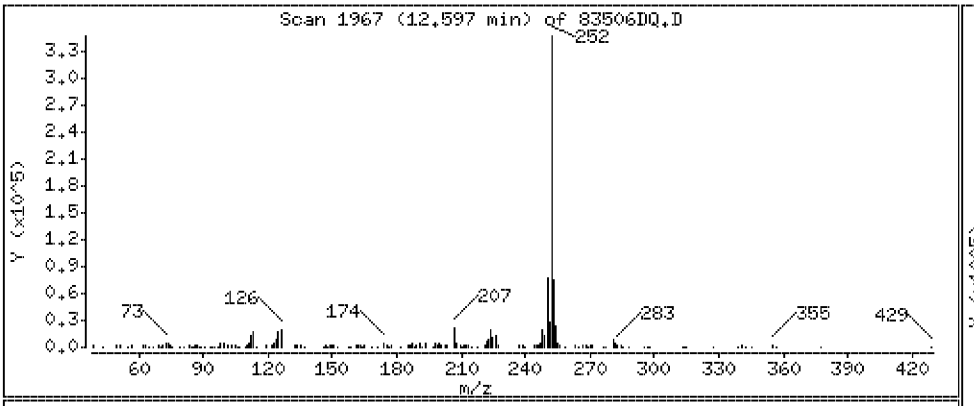
Operator: PEL

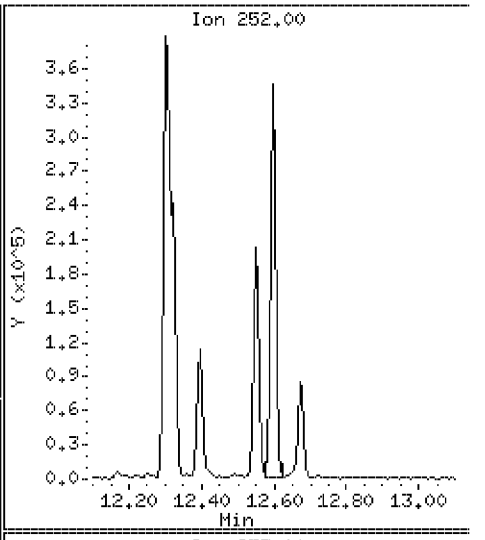
Column phase: HPMS-5

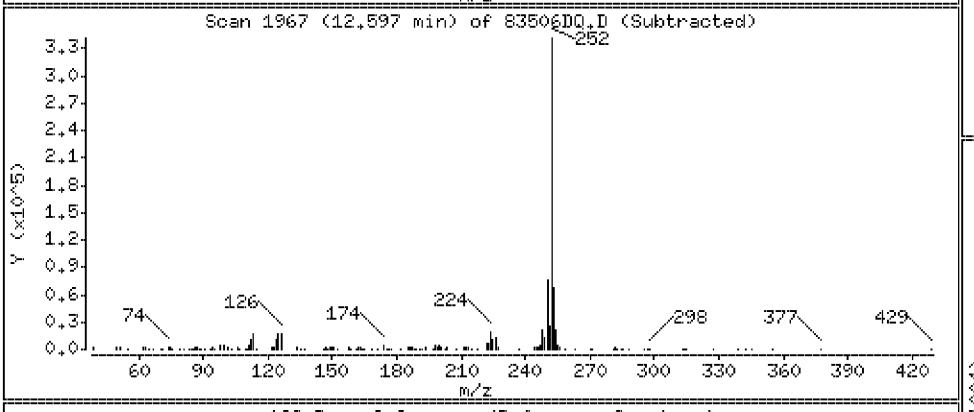
Column diameter: 0.25

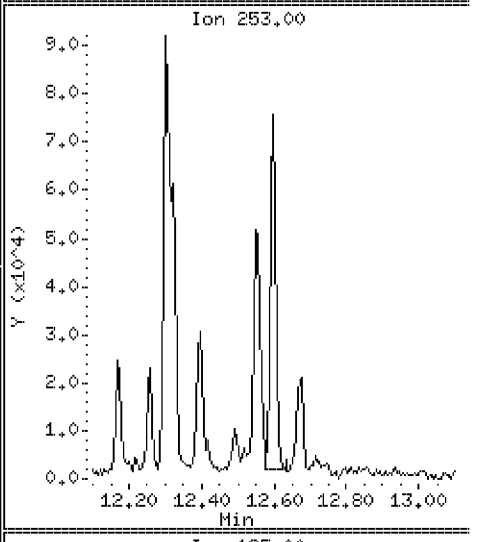
129 Benzo[a]pyrene

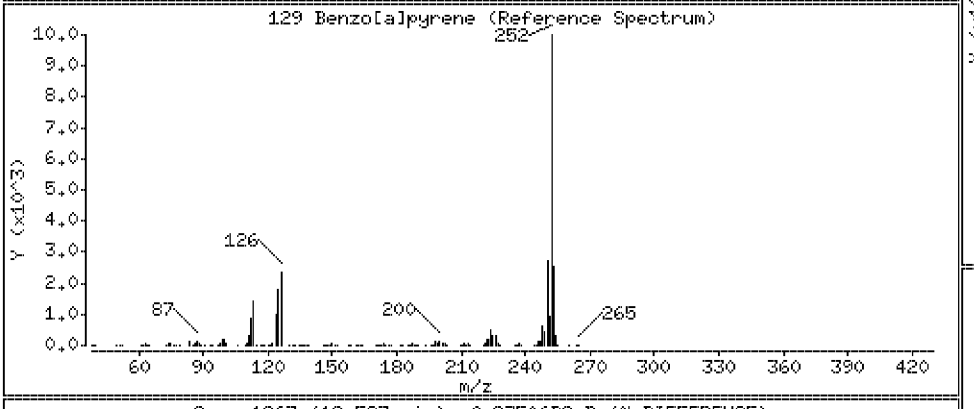
Concentration: 1770000 ug/kg

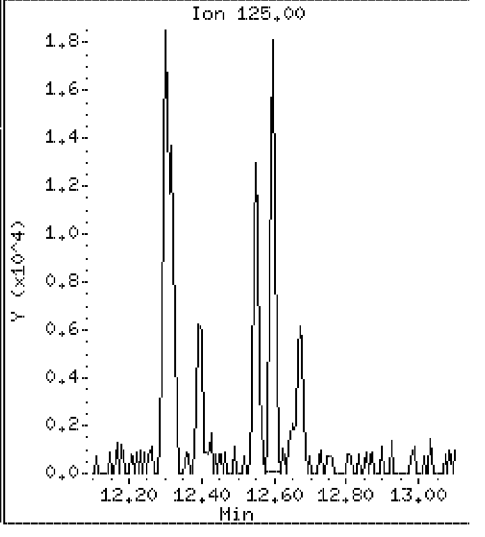


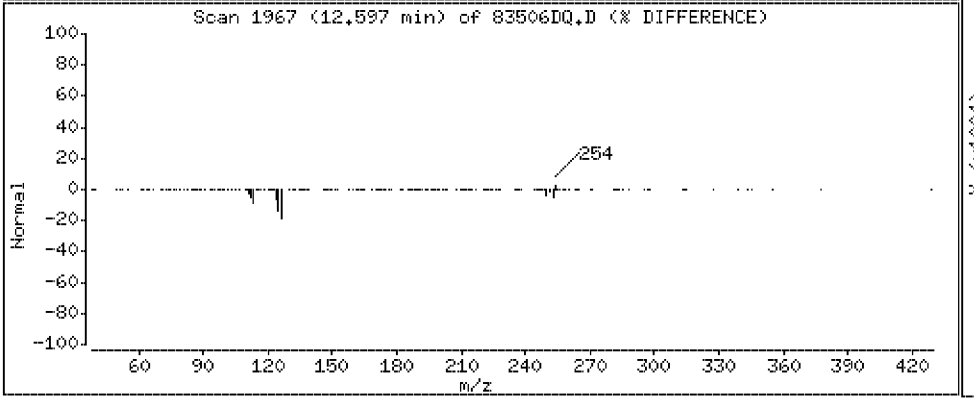












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

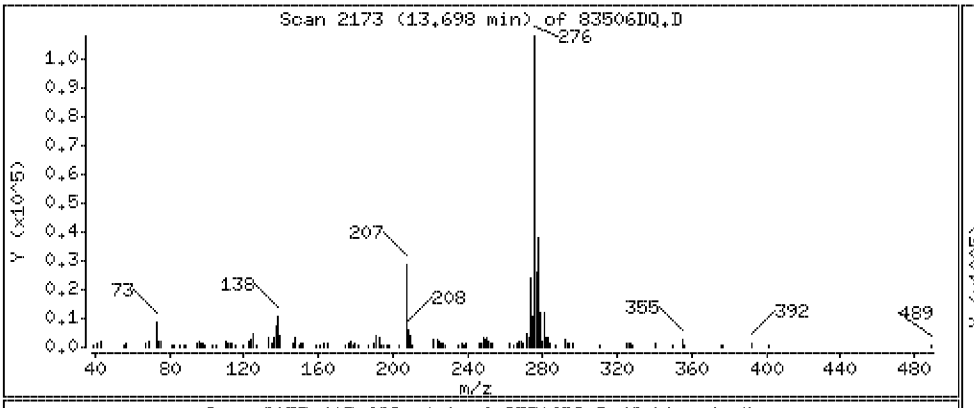
Operator: PEL

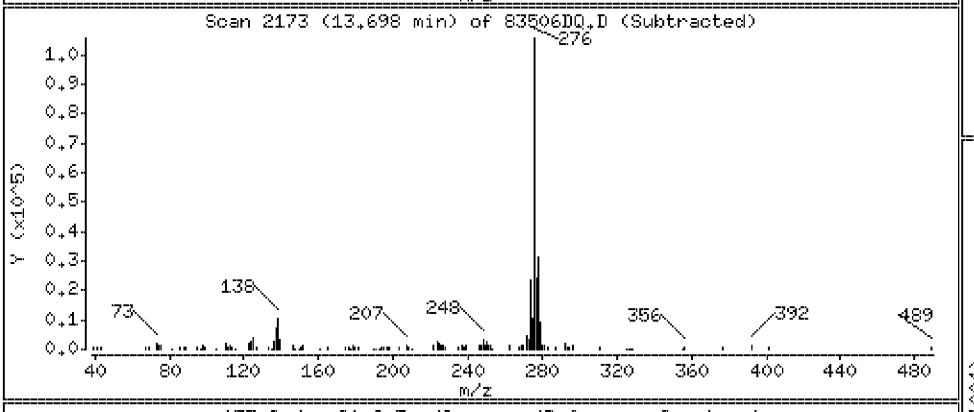
Column phase: HPMS-5

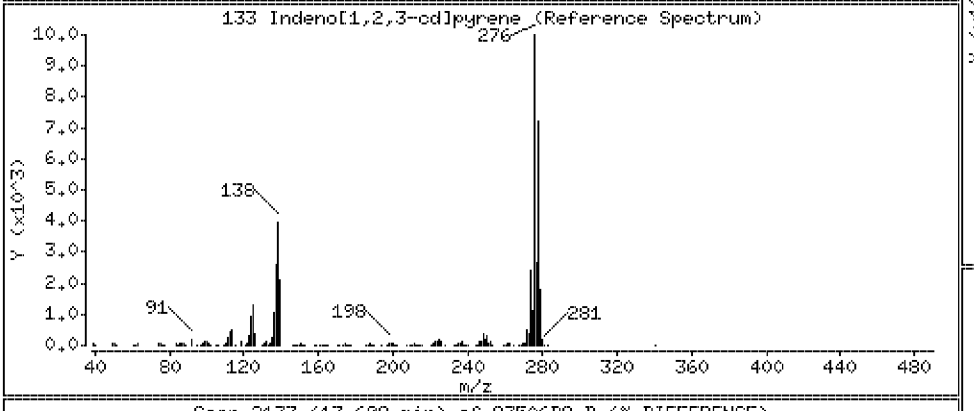
Column diameter: 0.25

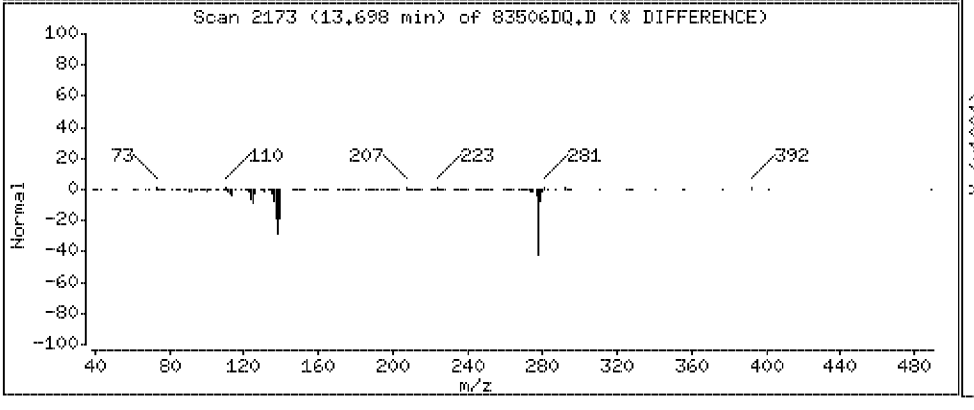
133 Indeno[1,2,3-cd]pyrene

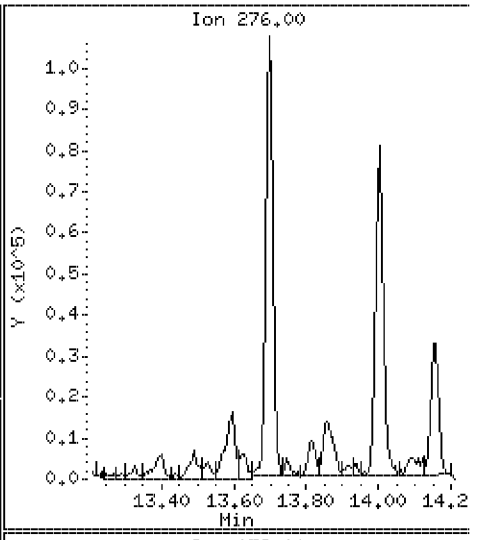
Concentration: 609000 ug/kg

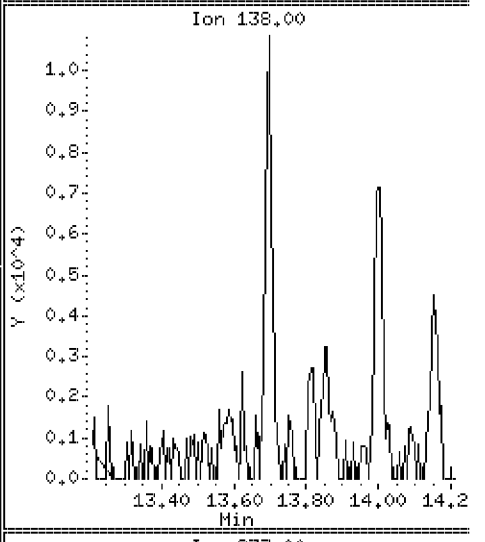


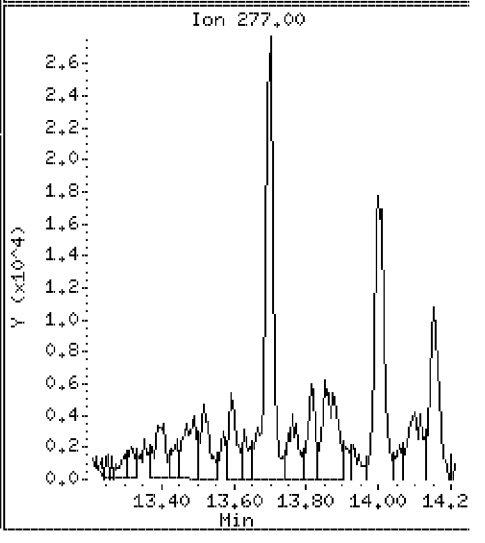












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

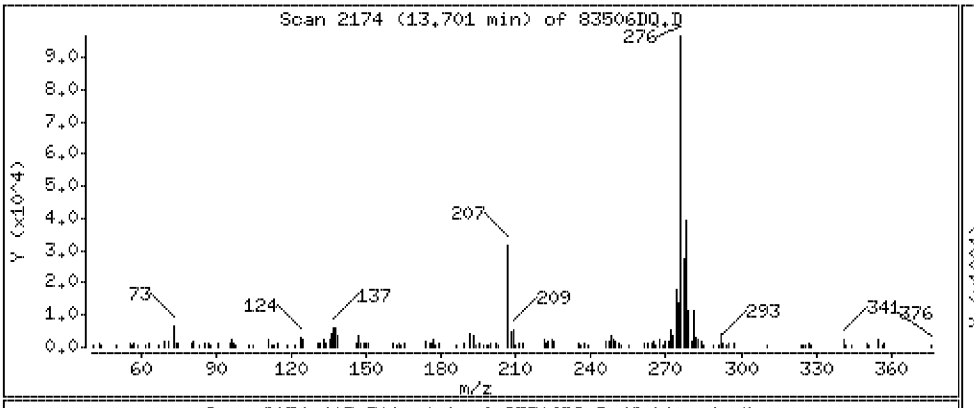
Operator: PEL

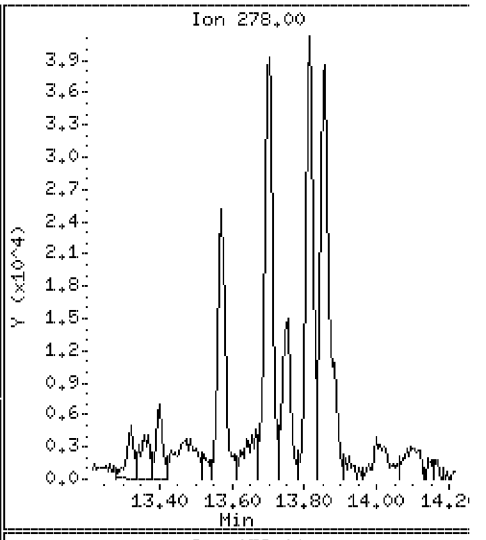
Column phase: HPMS-5

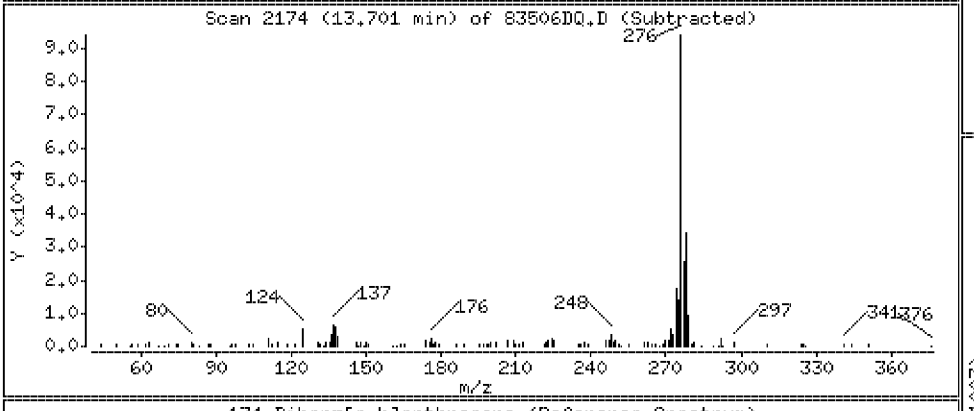
Column diameter: 0.25

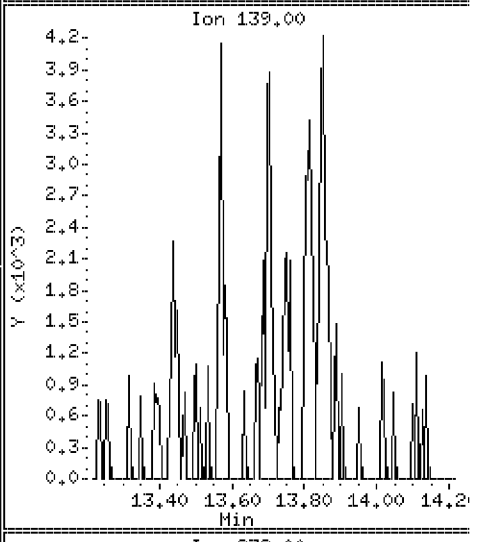
134 Dibenz[a,h]anthracene

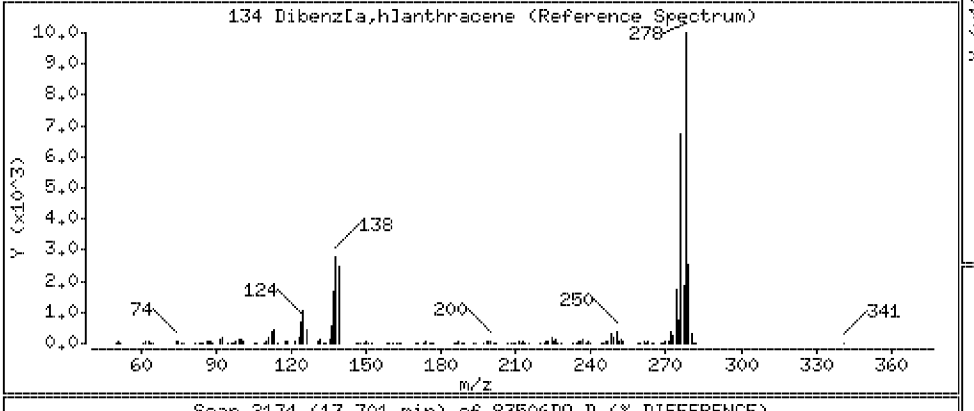
Concentration: 297000 ug/kg

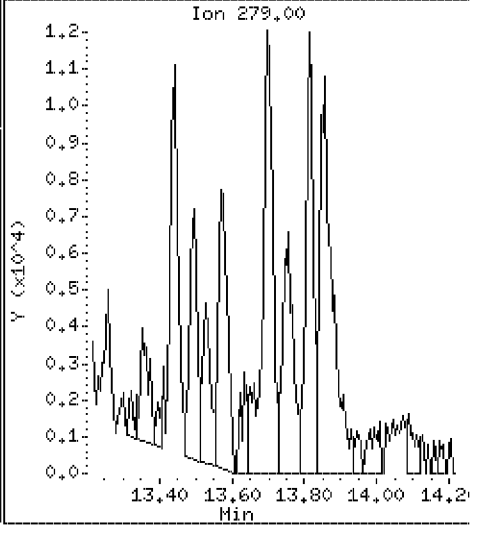


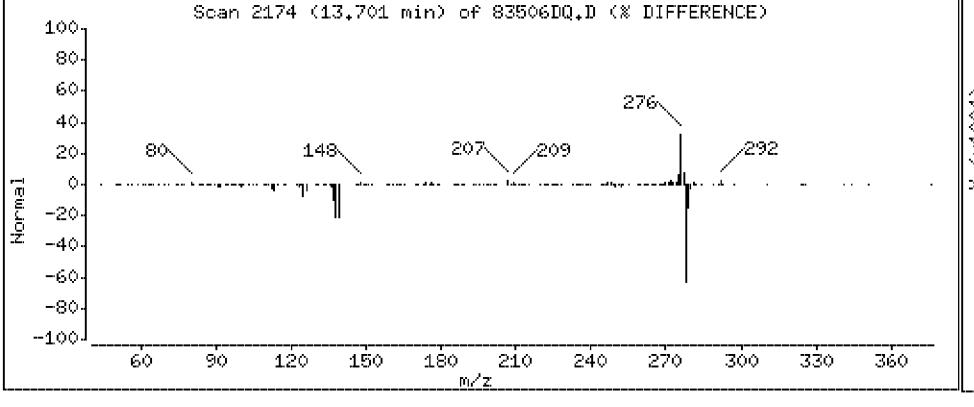












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506DQ.D

Date : 26-APR-2012 18:23

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

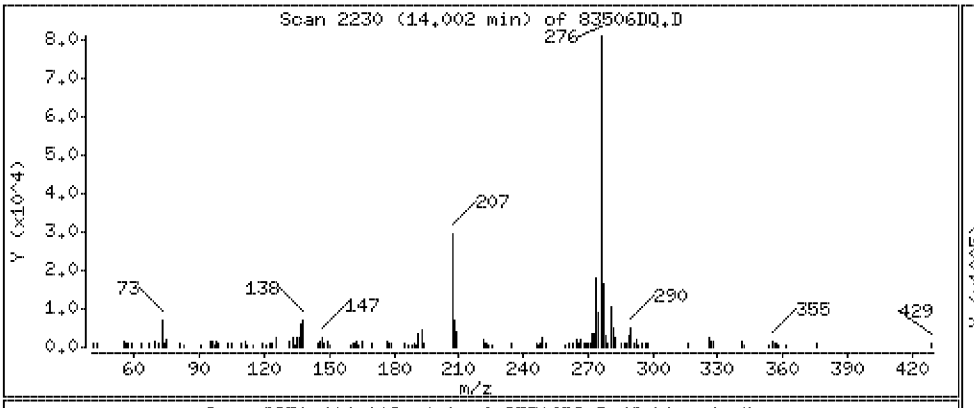
Operator: PEL

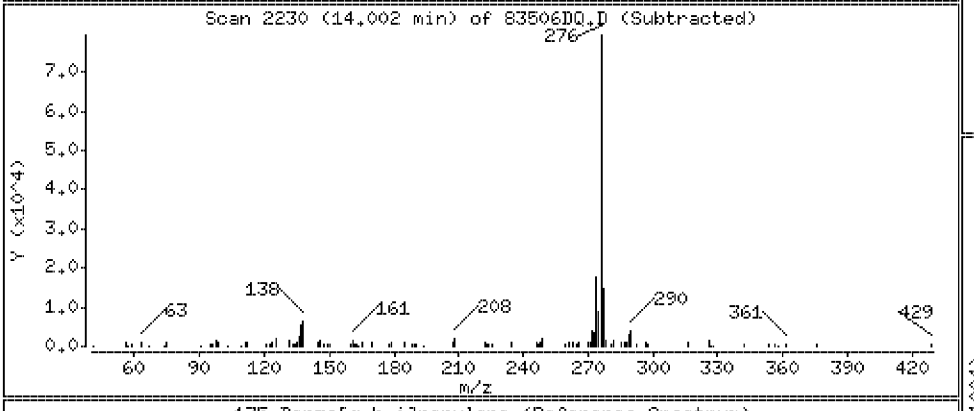
Column phase: HPMS-5

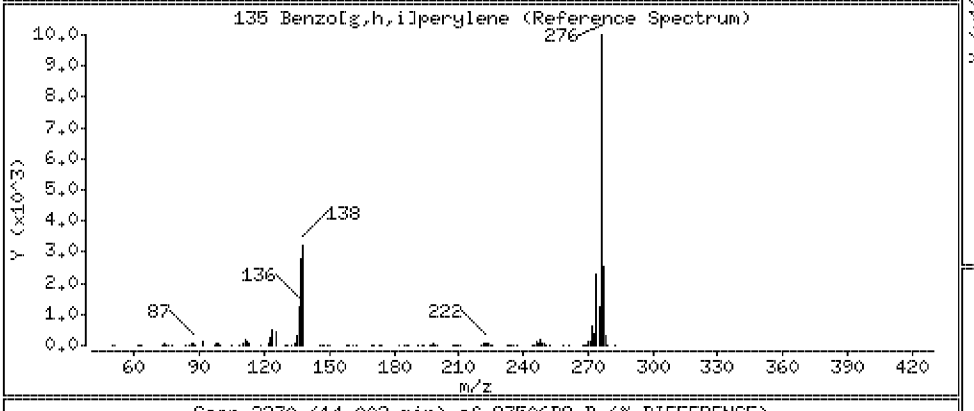
Column diameter: 0.25

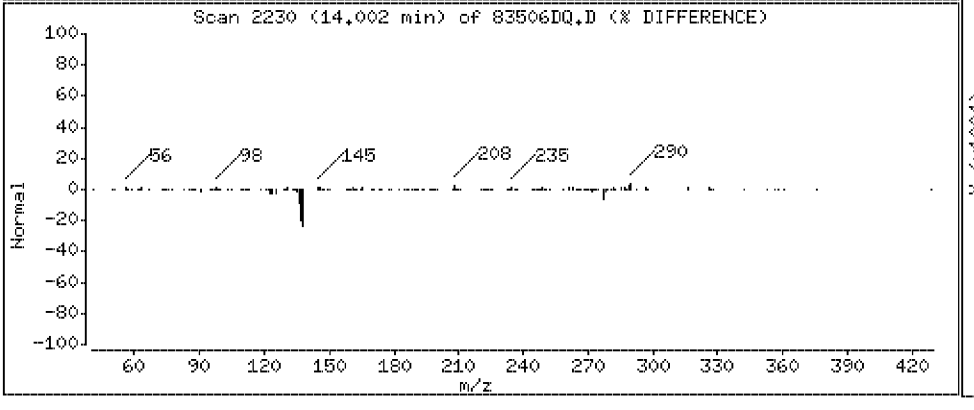
135 Benzo[g,h,i]perylene

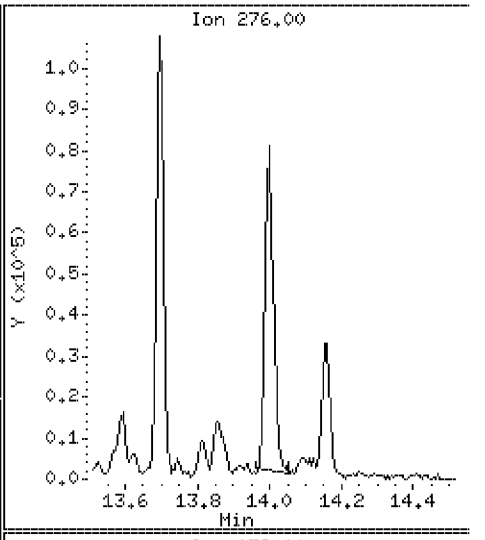
Concentration: 618000 ug/kg

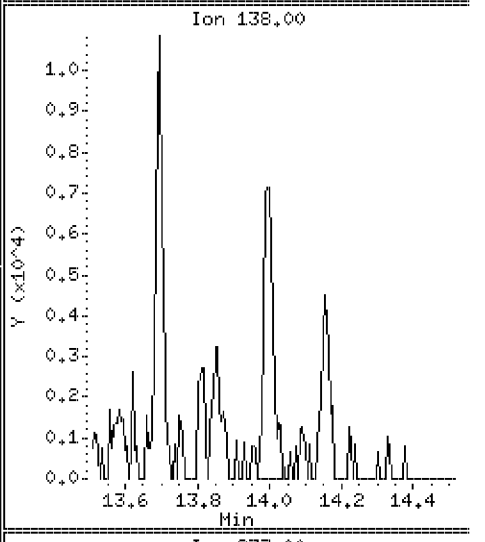


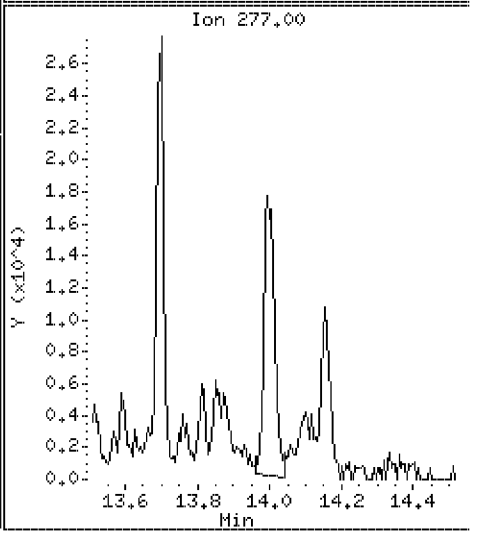












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D
Lab Smp Id: 350583505 Client Smp ID: EPAFMC-SD-05
Inj Date : 26-APR-2012 18:47 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583505
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 20
Dil Factor: 250.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	250.000	Dilution Factor
Ws	25.470	Weight of sample extracted (g)
M	21.800	% Moisture
Vf	14.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	269318	40.0000		80.00- 120.00	100.00
4.422	4.423	(1.000)	115	167671			33.39- 93.39	62.26
4.423	4.423	(1.000)	150	403979			121.52- 181.52	150.00
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	934239	40.0000		80.00- 120.00	100.00
5.584	5.583	(1.000)	68	52046			0.00- 35.32	5.57
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.278	7.278	(1.000)	164	663215	40.0000		80.00- 120.00	100.00
7.278	7.278	(1.000)	162	632285			66.43- 126.43	95.34
7.278	7.278	(1.000)	160	292789			14.76- 74.76	44.15
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.734	8.734	(1.000)	188	1306737	40.0000		80.00- 120.00	100.00
8.733	8.734	(1.000)	94	82476			0.00- 36.17	6.31
8.733	8.734	(1.000)	80	100323			0.00- 38.16	7.68
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.330	11.327	(1.000)	240	1802437	40.0000		80.00- 120.00	100.00

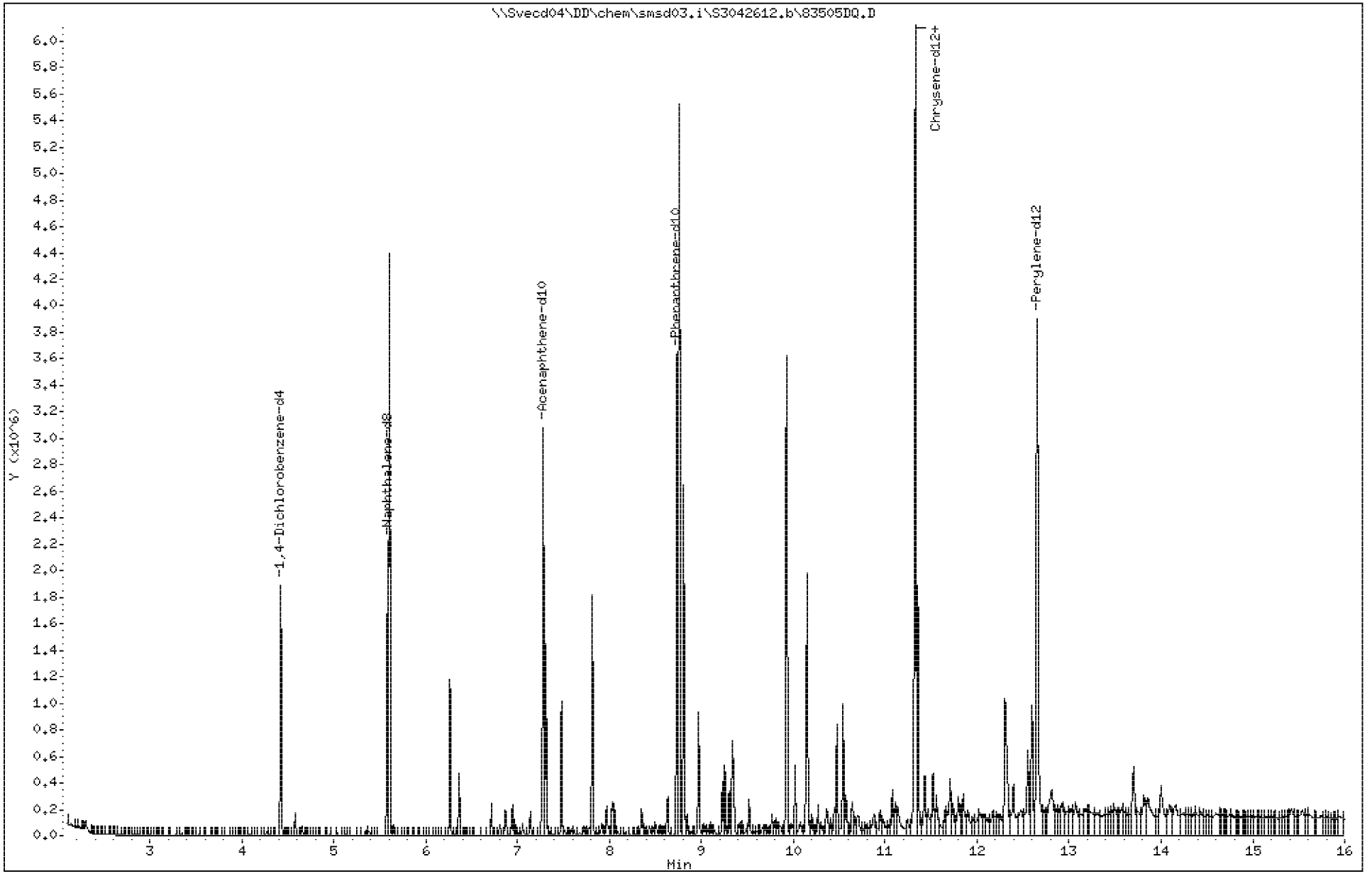
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.329	11.327	(1.000)	120	99405			0.00- 35.19	5.52
11.330	11.327	(1.000)	236	481203			0.00- 56.66	26.70
* 130 Perylene-d12						CAS #: 1520-96-3		
12.653	12.650	(1.000)	264	1678493	40.0000		80.00- 120.00	100.00
12.653	12.650	(1.000)	260	416862			0.00- 54.55	24.84
12.652	12.650	(1.000)	265	381470			0.00- 53.02	22.73

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D
Date : 26-APR-2012 18:47
Client ID: EPAFMC-SD-05
Sample Info: sw350583505

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2414

3505835



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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

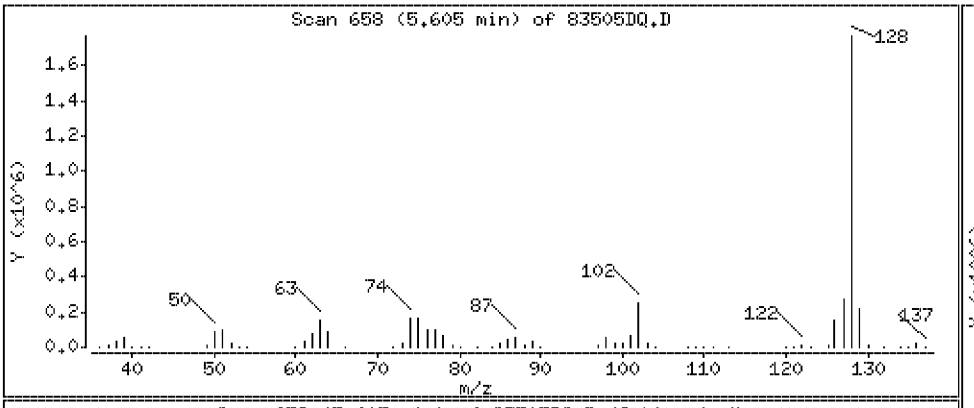
Operator: PEL

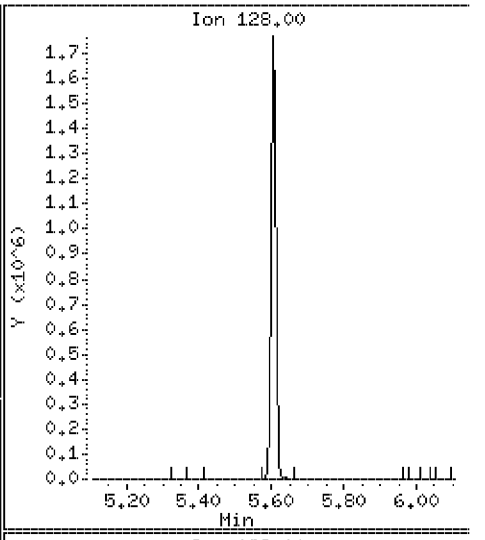
Column phase: HPMS-5

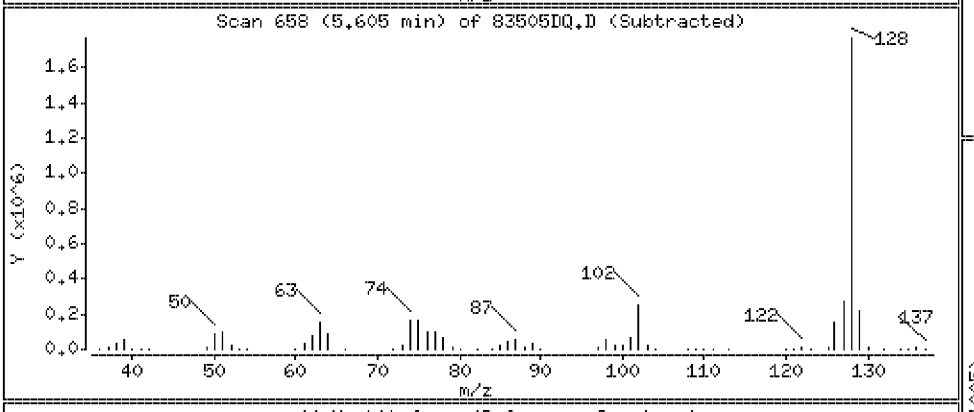
Column diameter: 0.25

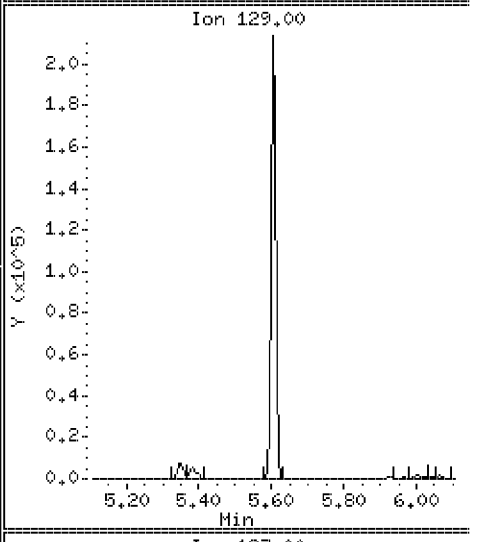
44 Naphthalene

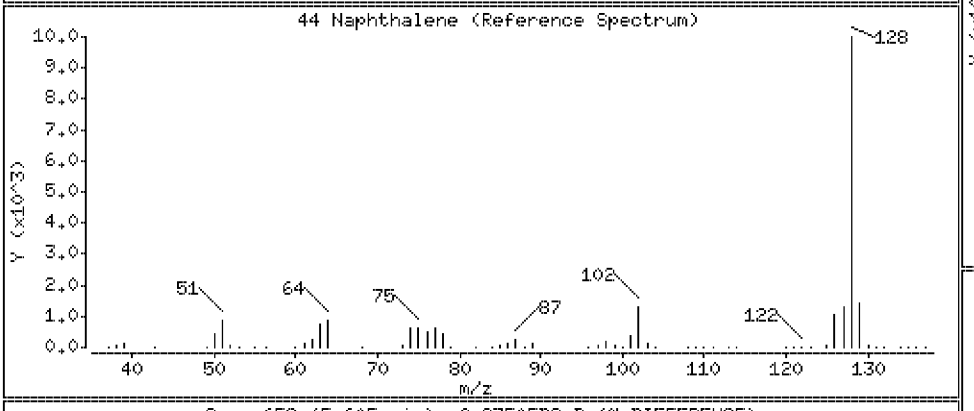
Concentration: 11900000 ug/kg

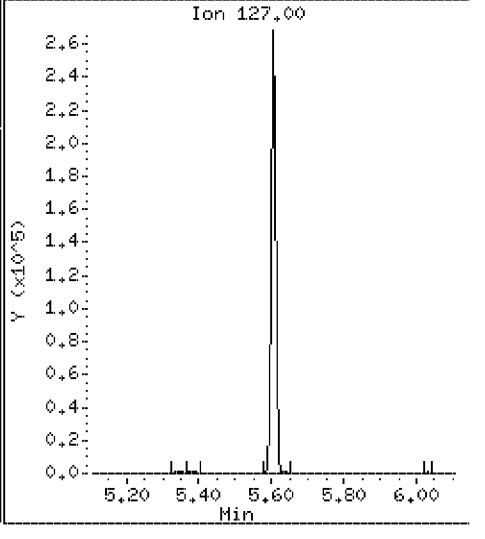


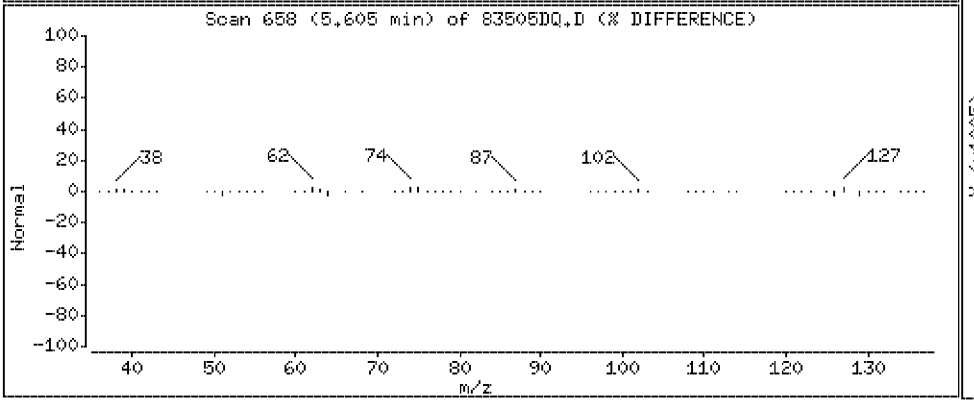












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

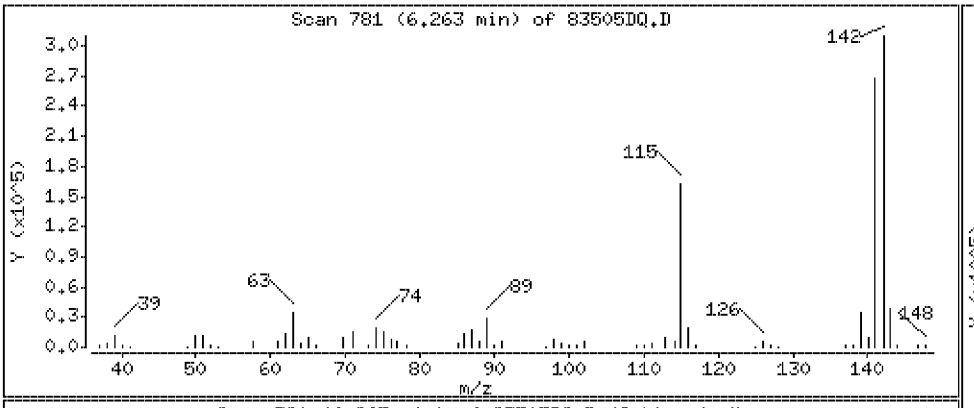
Operator: PEL

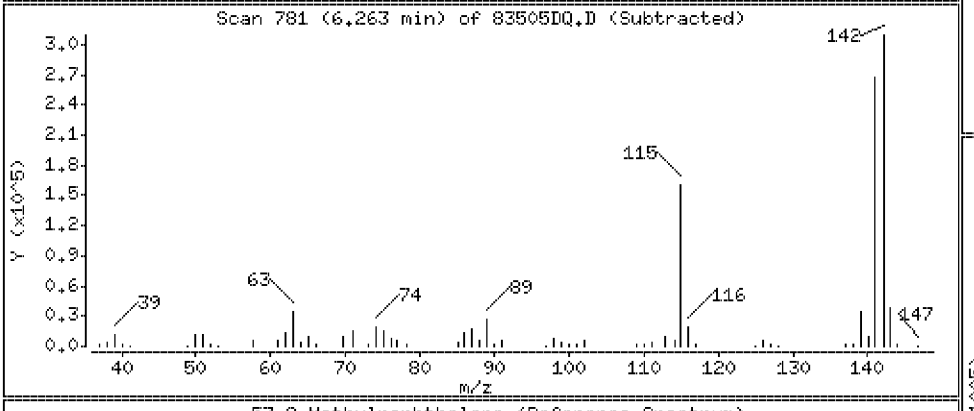
Column phase: HPMS-5

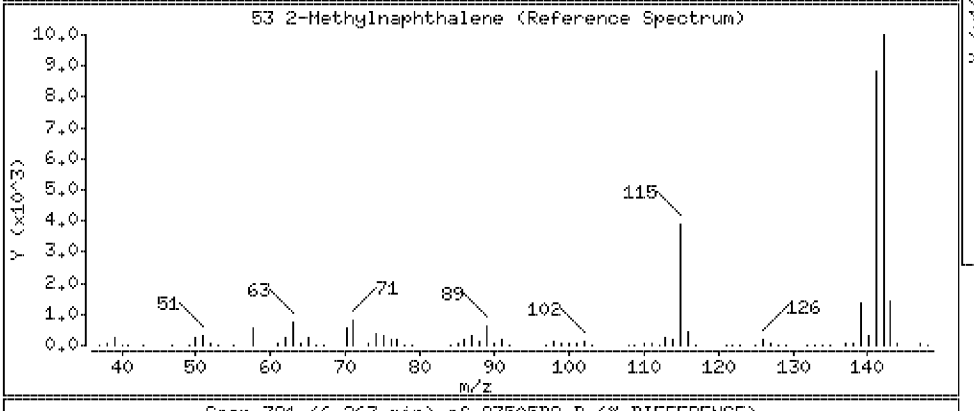
Column diameter: 0.25

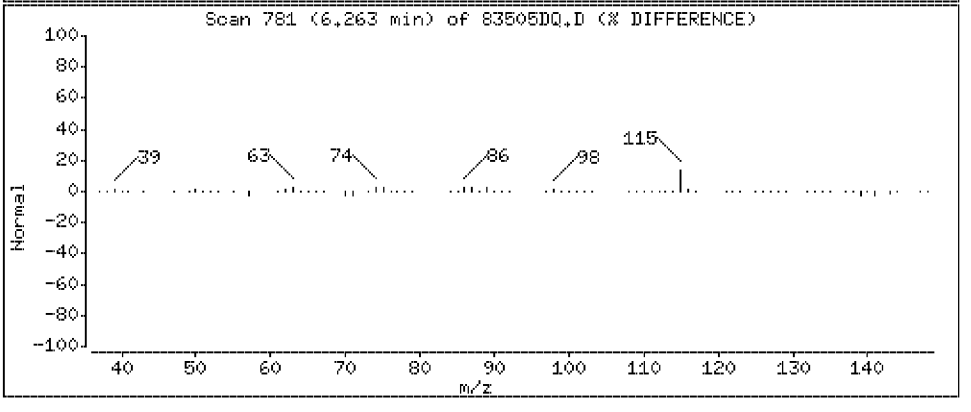
53 2-Methylnaphthalene

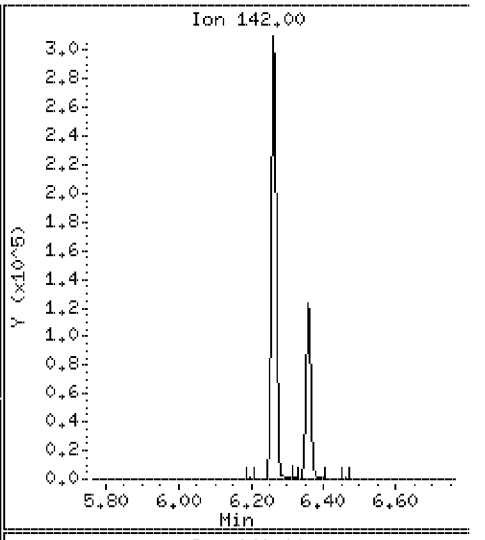
Concentration: 2950000 ug/kg

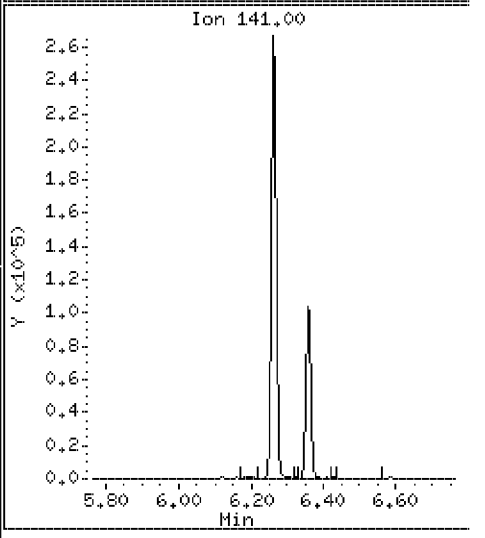












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

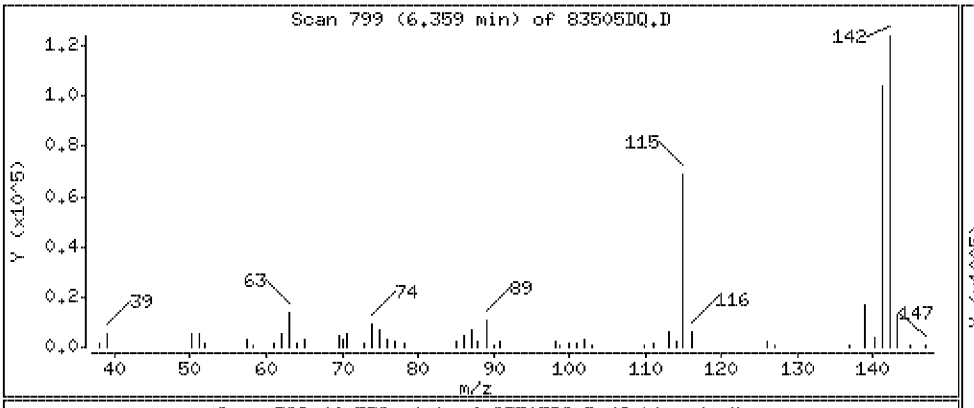
Operator: PEL

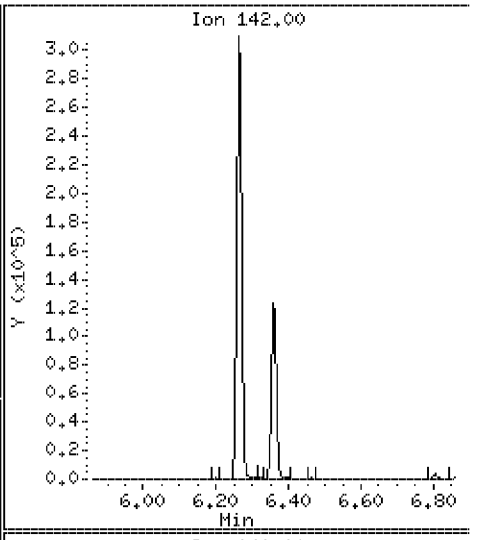
Column phase: HPMS-5

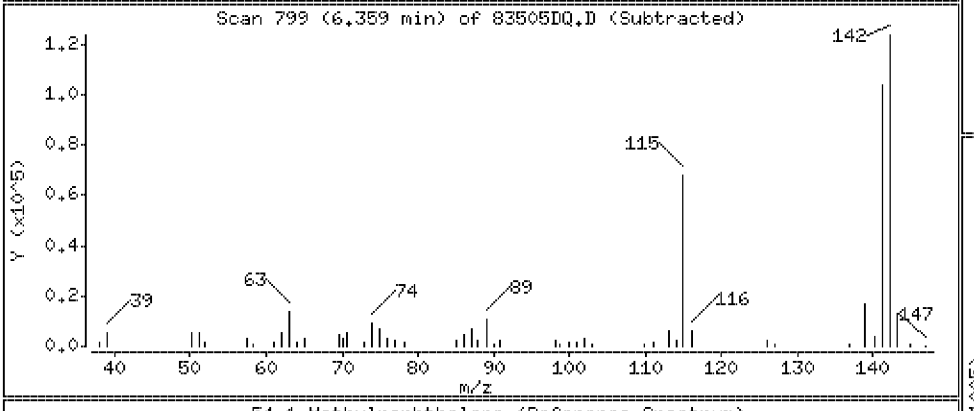
Column diameter: 0.25

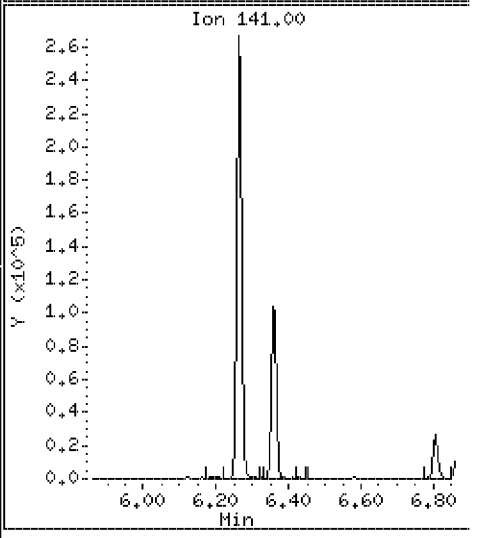
54 1-Methylnaphthalene

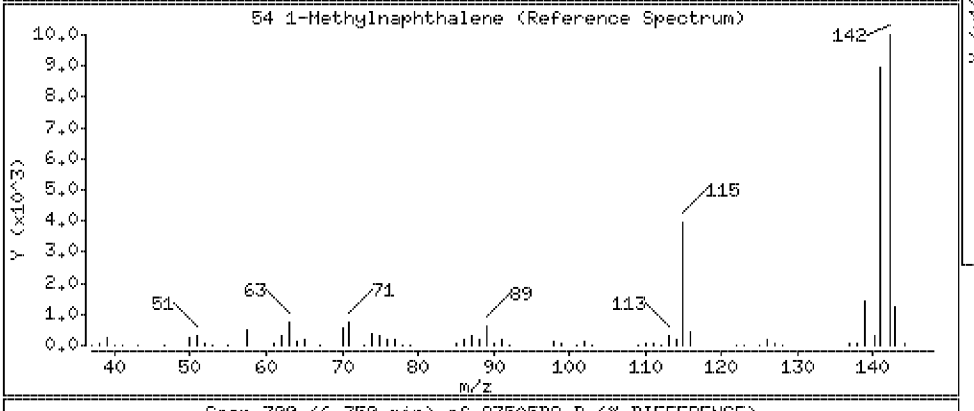
Concentration: 1300000 ug/kg

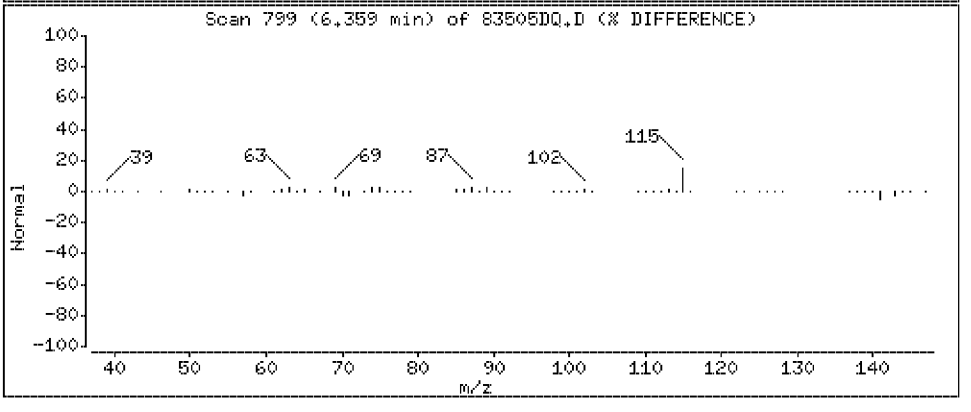












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

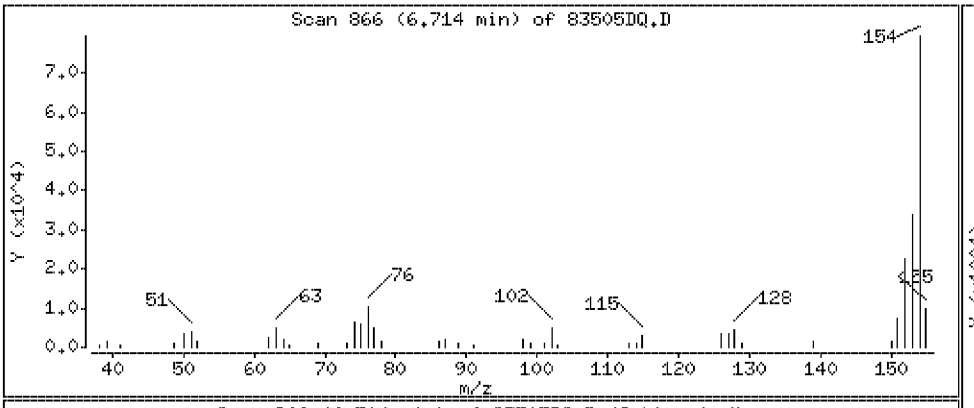
Operator: PEL

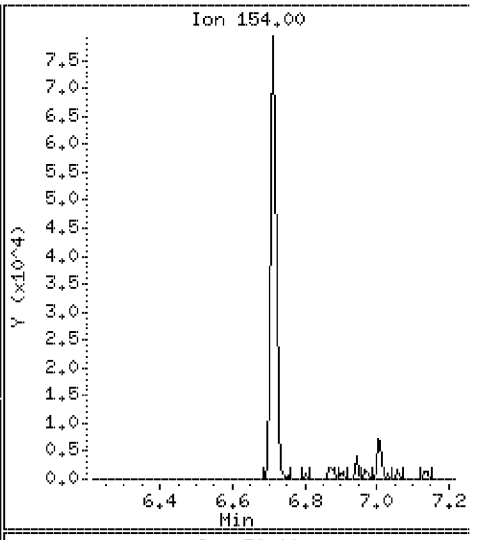
Column phase: HPMS-5

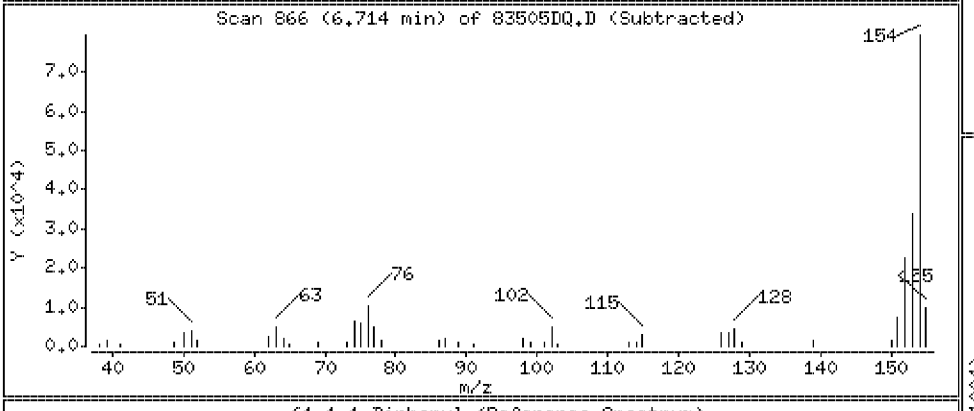
Column diameter: 0.25

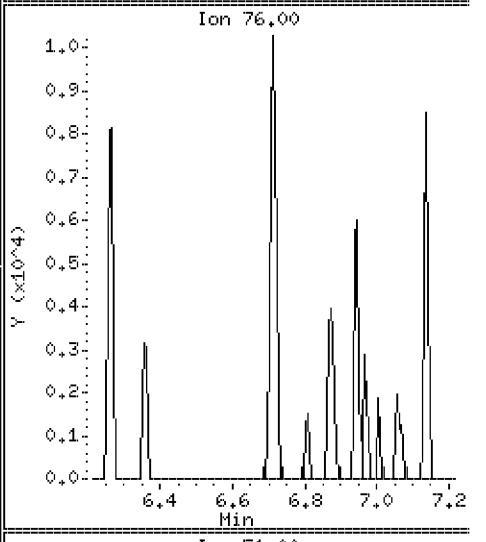
61 1,1-Biphenyl

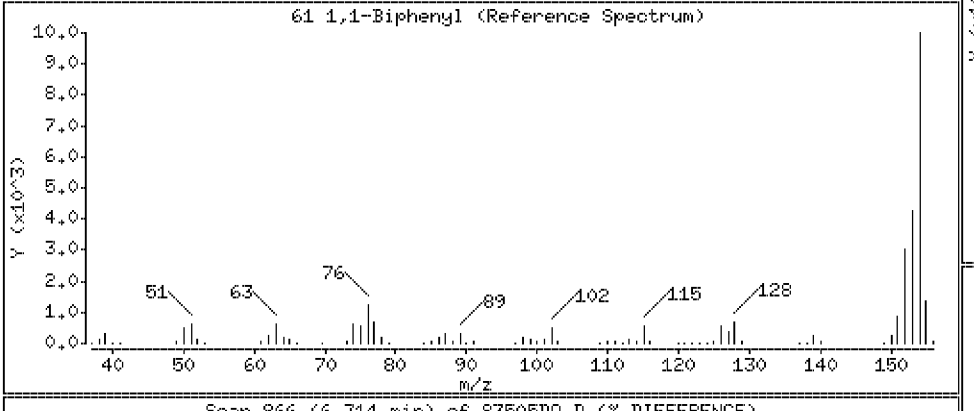
Concentration: 450000 ug/kg

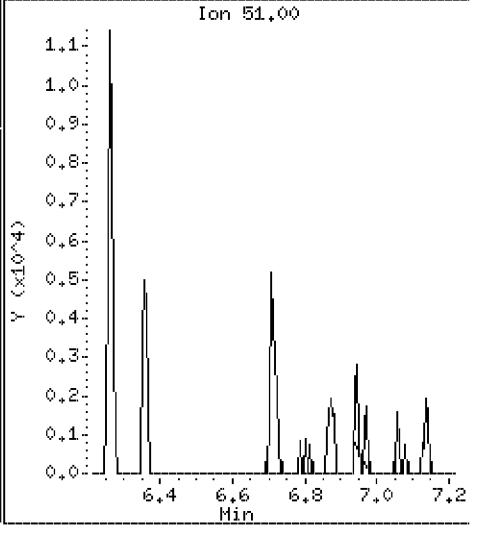


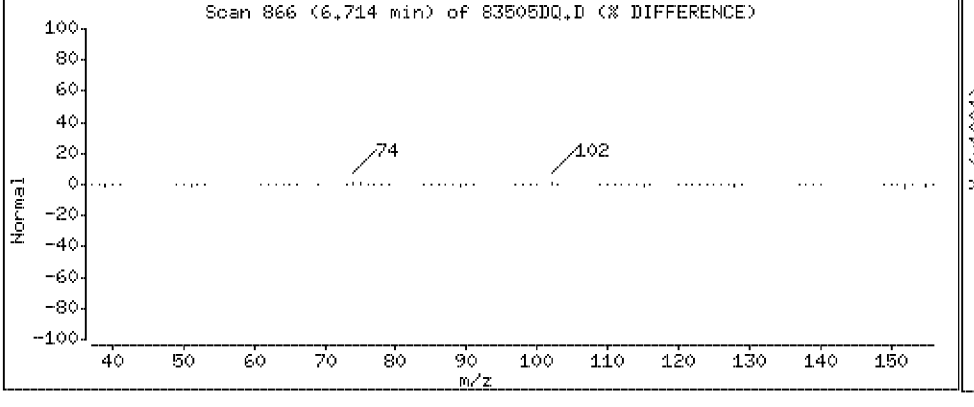












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

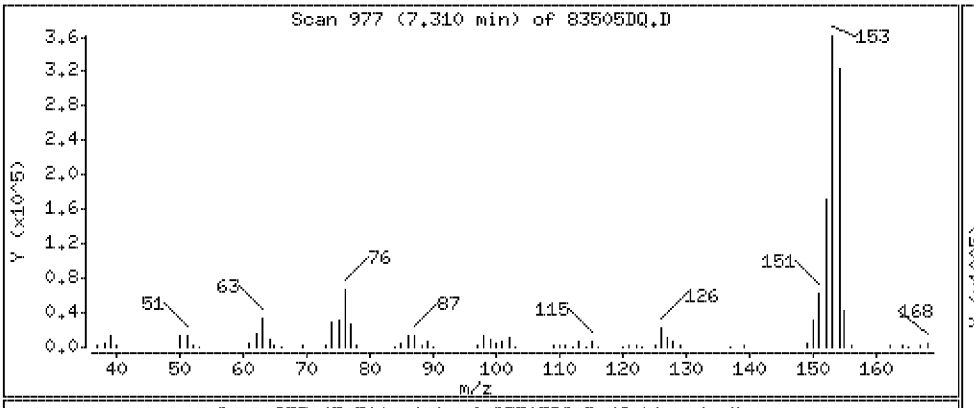
Operator: PEL

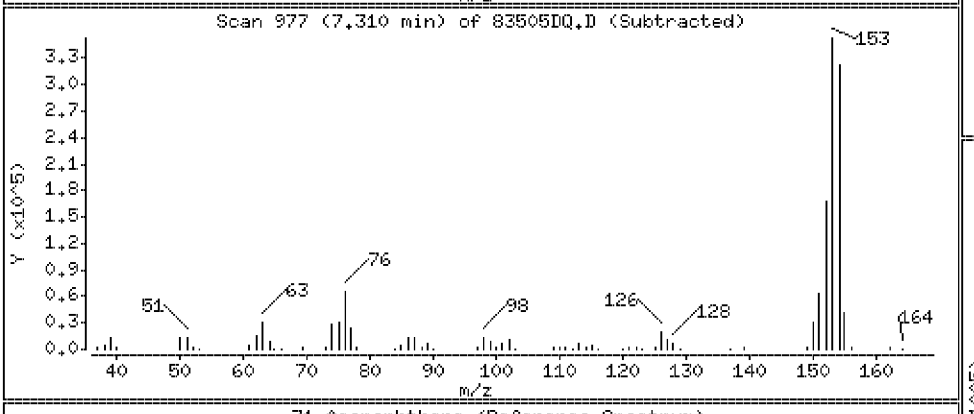
Column phase: HPMS-5

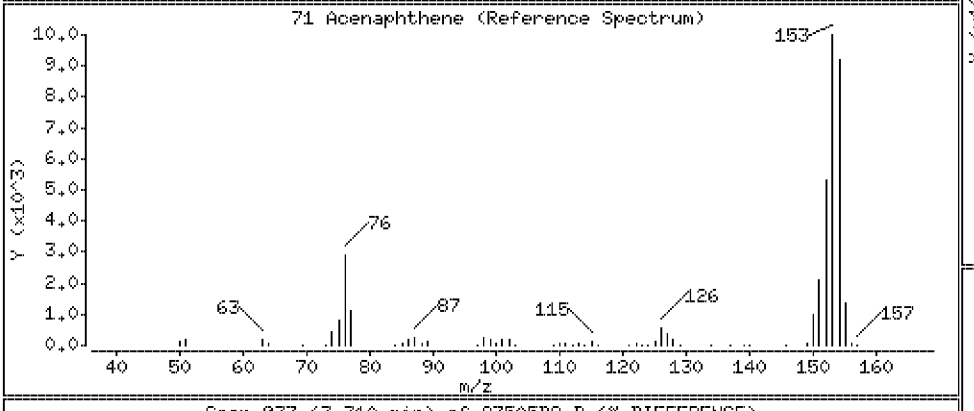
Column diameter: 0.25

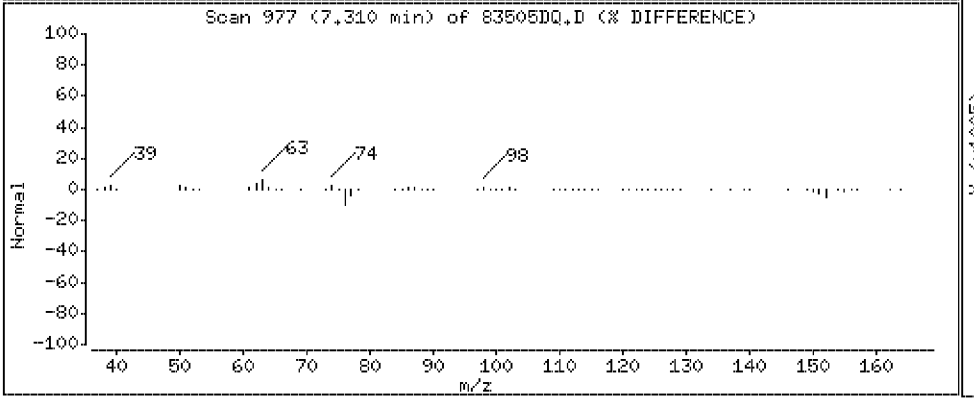
71 Acenaphthene

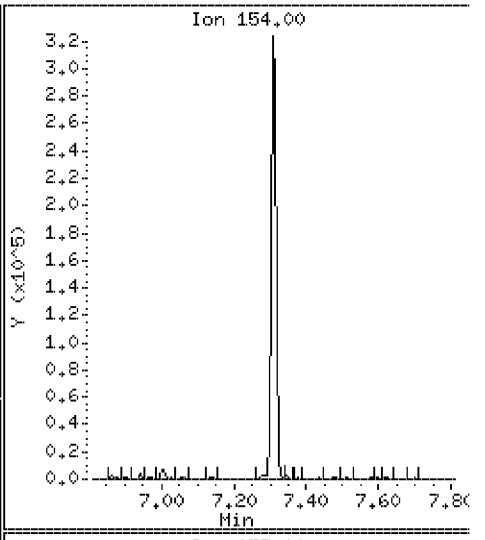
Concentration: 3020000 ug/kg

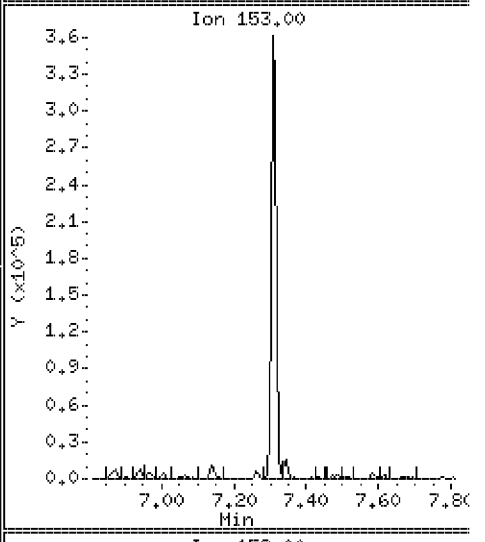


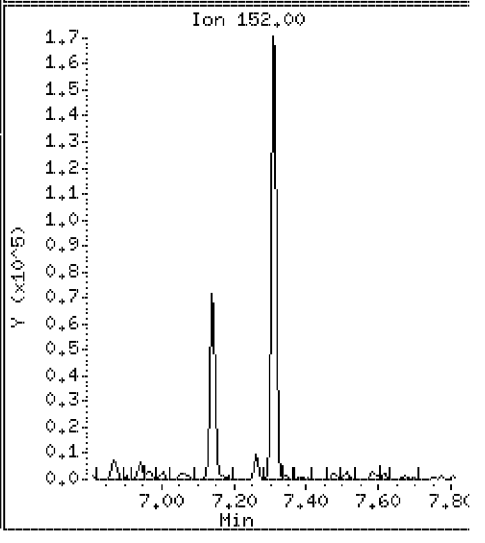












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

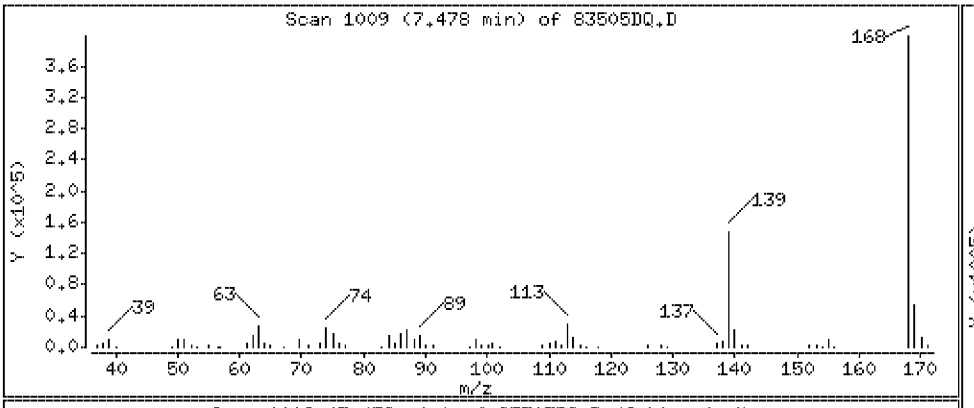
Operator: PEL

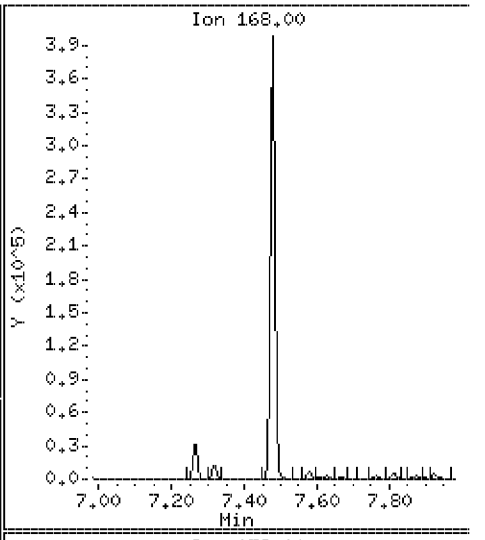
Column phase: HPMS-5

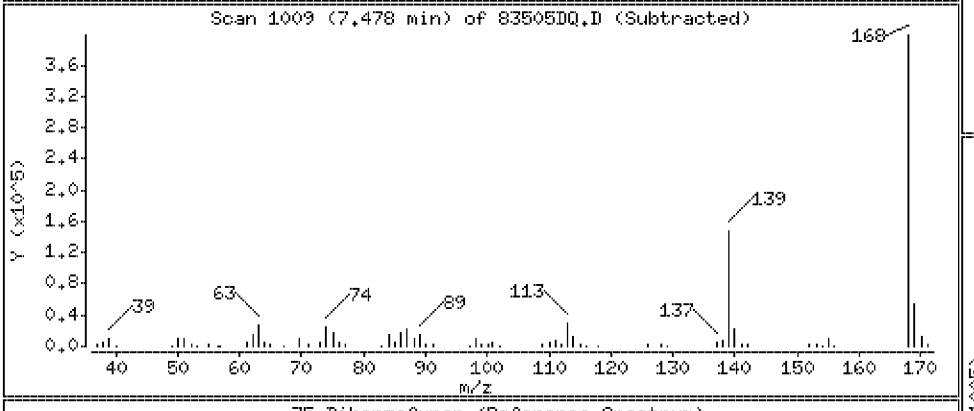
Column diameter: 0.25

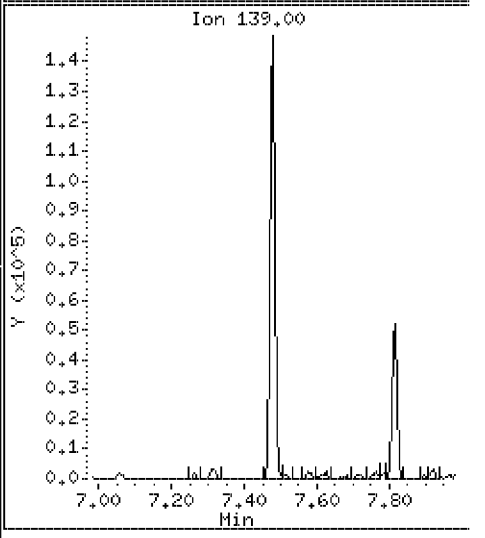
75 Dibenzofuran

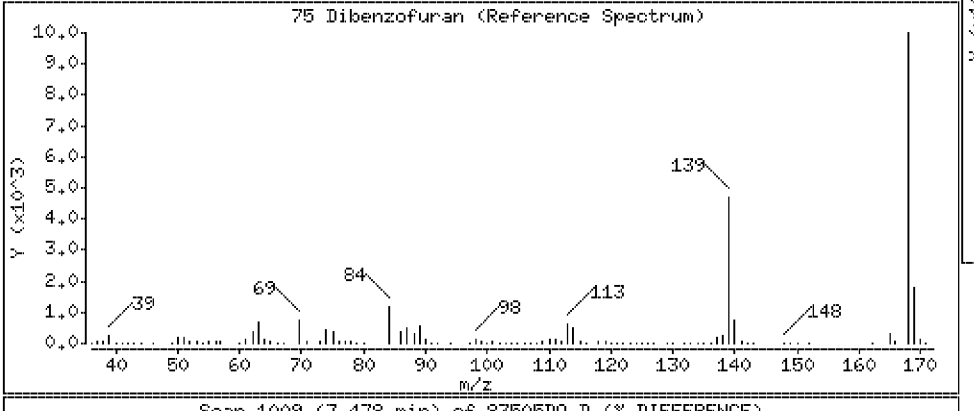
Concentration: 2180000 ug/kg

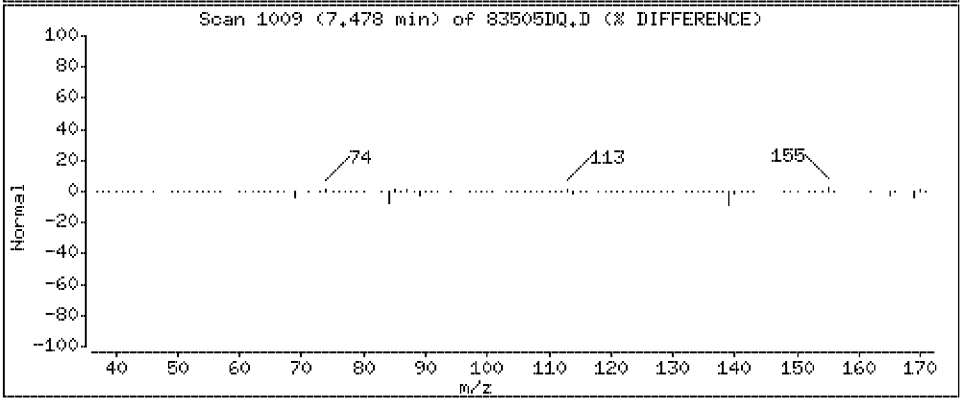












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

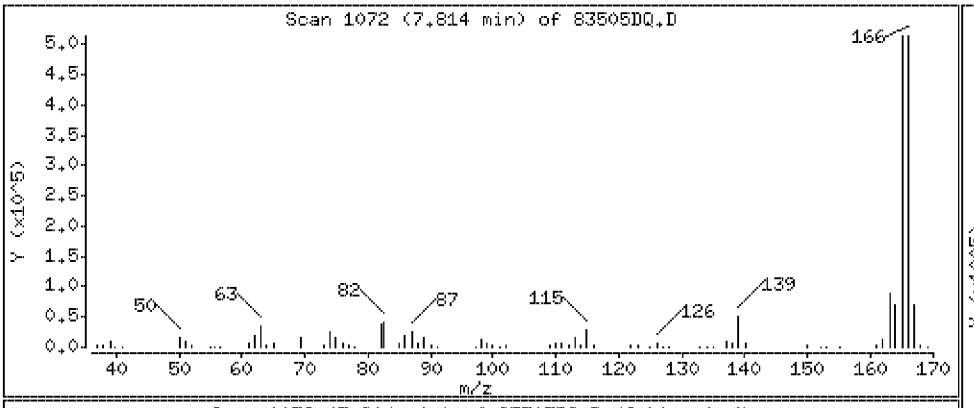
Operator: PEL

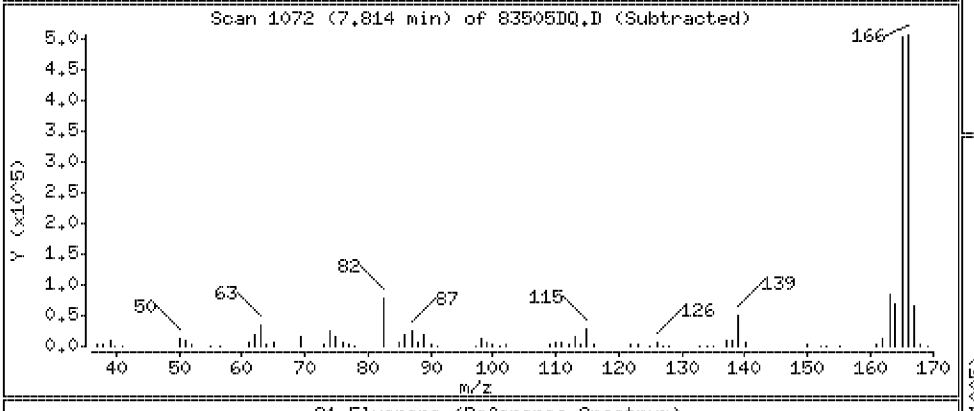
Column phase: HPMS-5

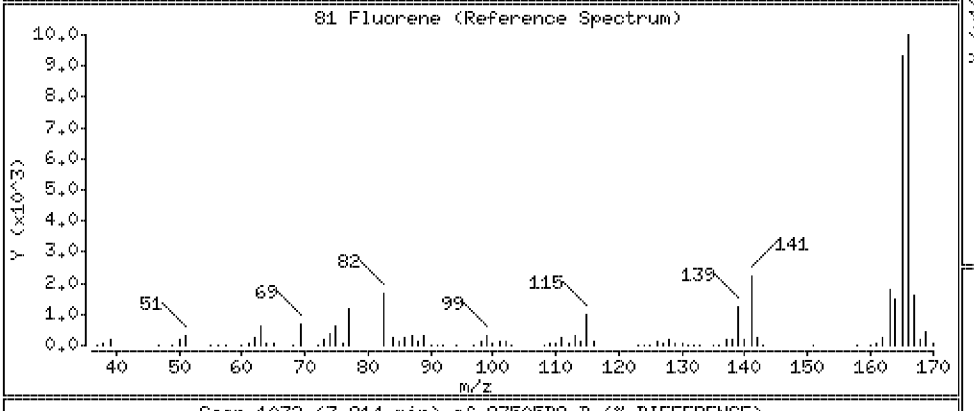
Column diameter: 0.25

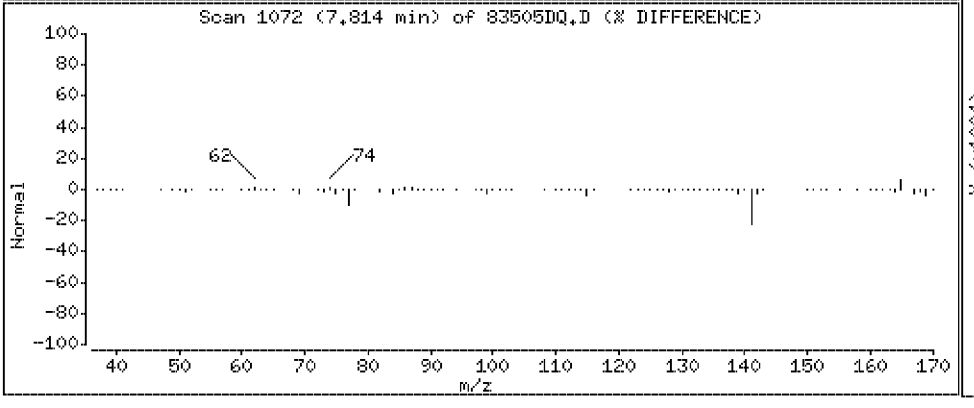
81 Fluorene

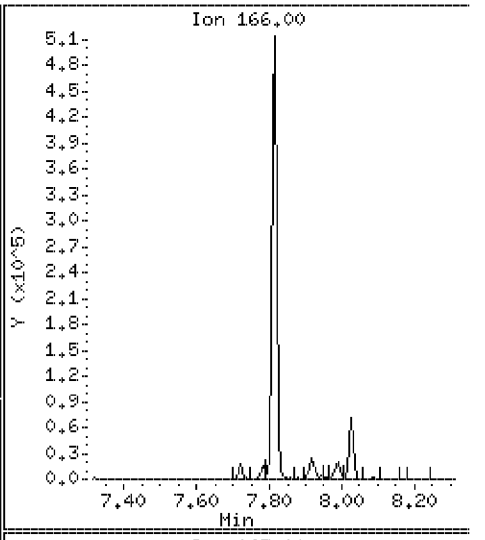
Concentration: 3380000 ug/kg

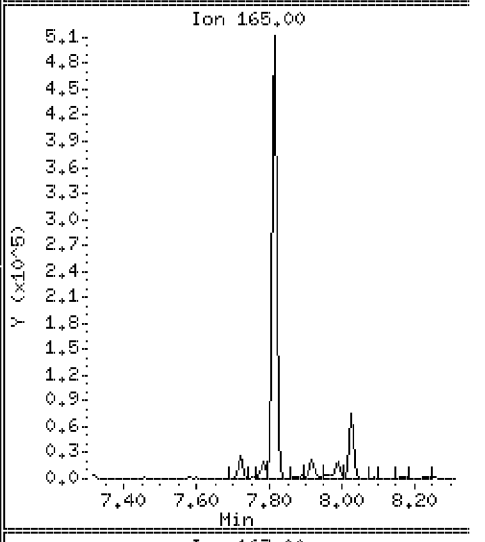


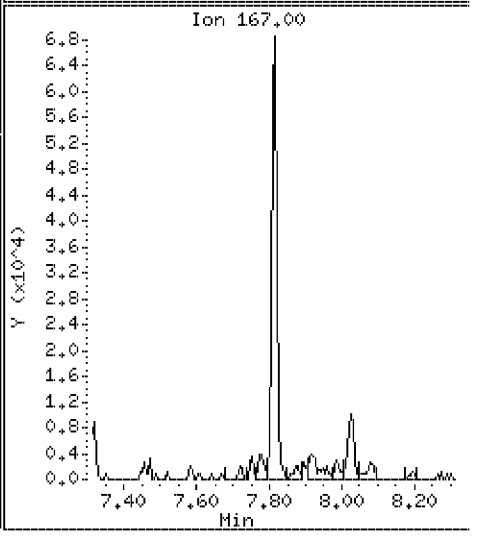












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

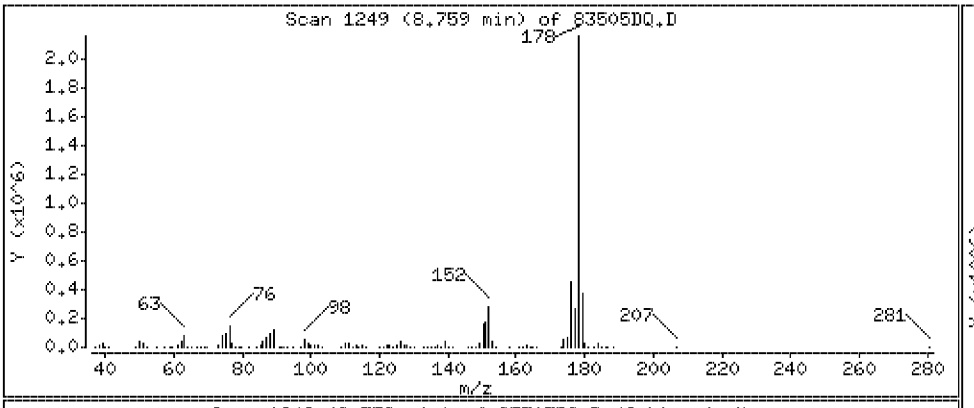
Operator: PEL

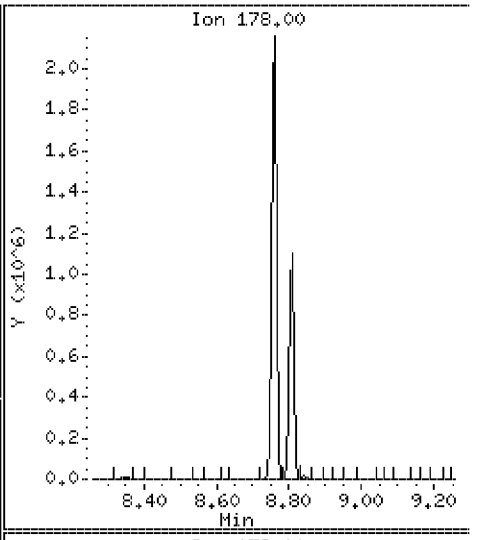
Column phase: HPMS-5

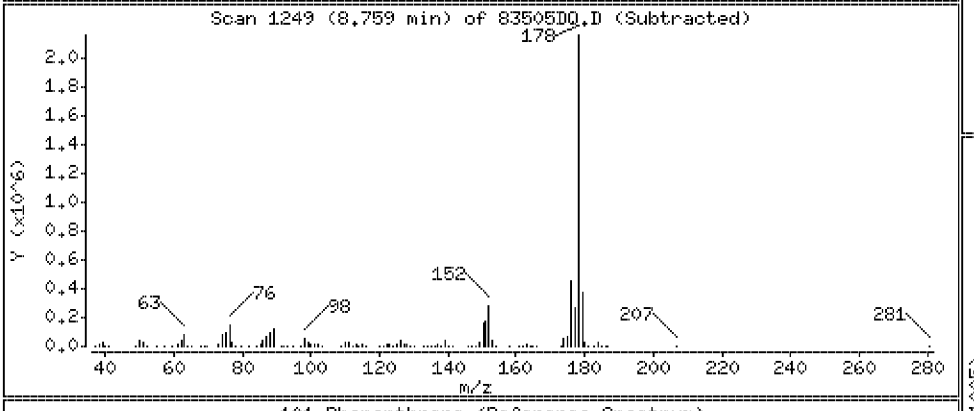
Column diameter: 0.25

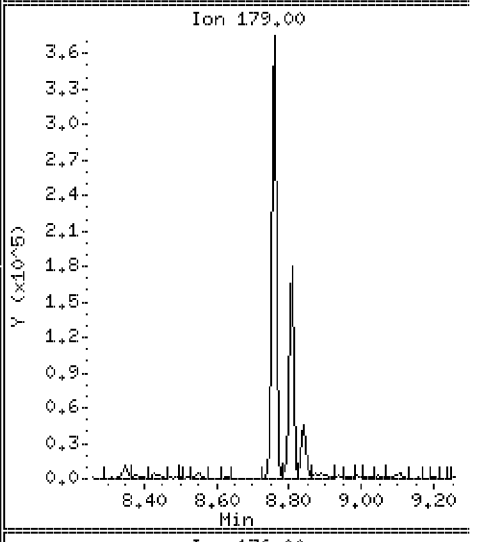
101 Phenanthrene

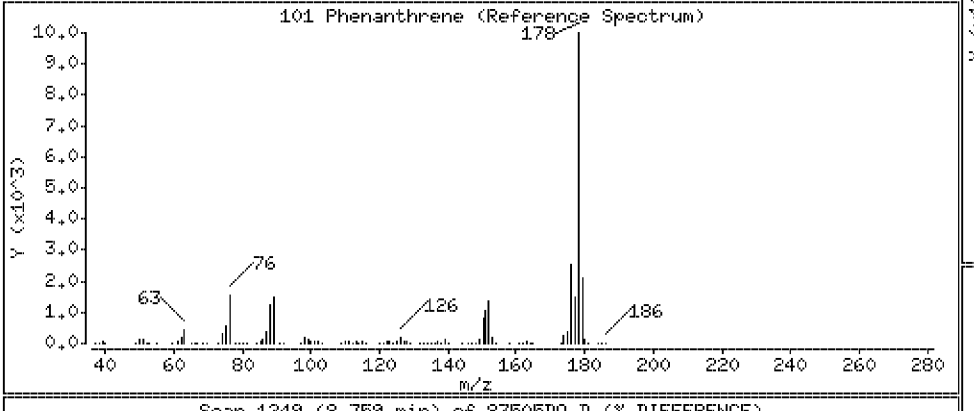
Concentration: 10200000 ug/kg

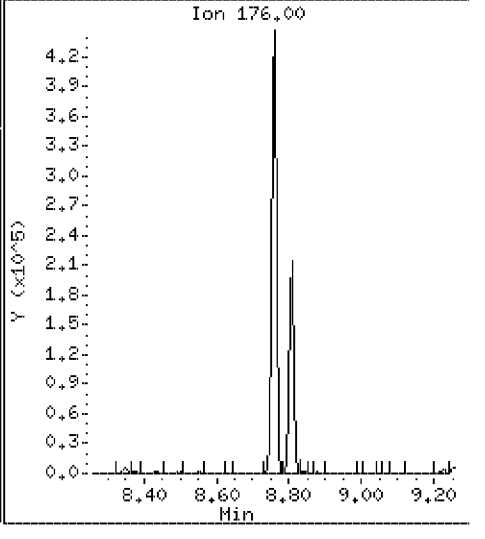


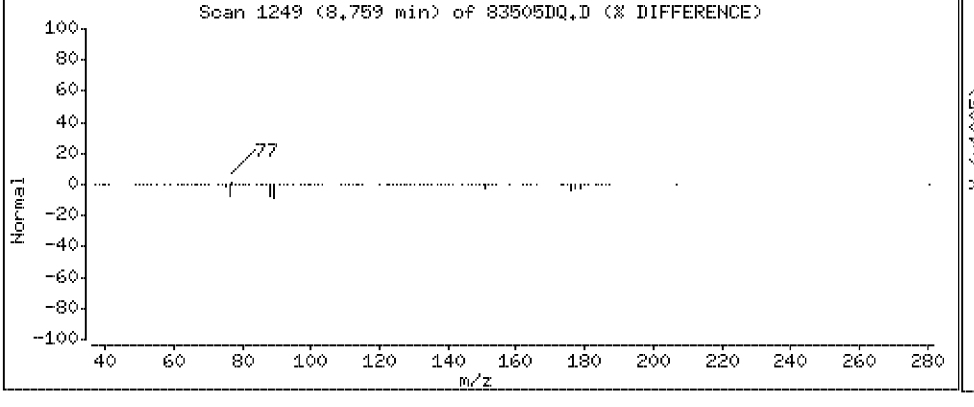












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

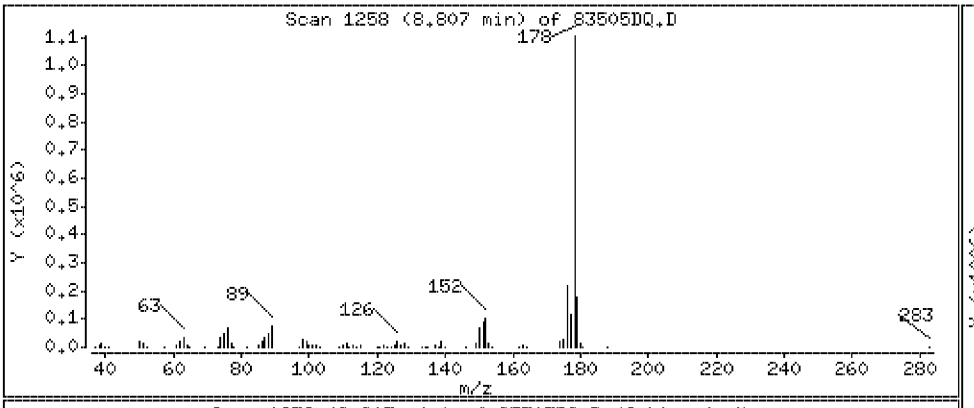
Operator: PEL

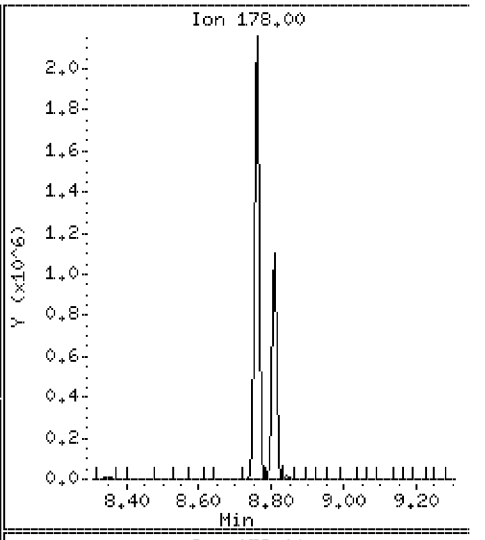
Column phase: HPMS-5

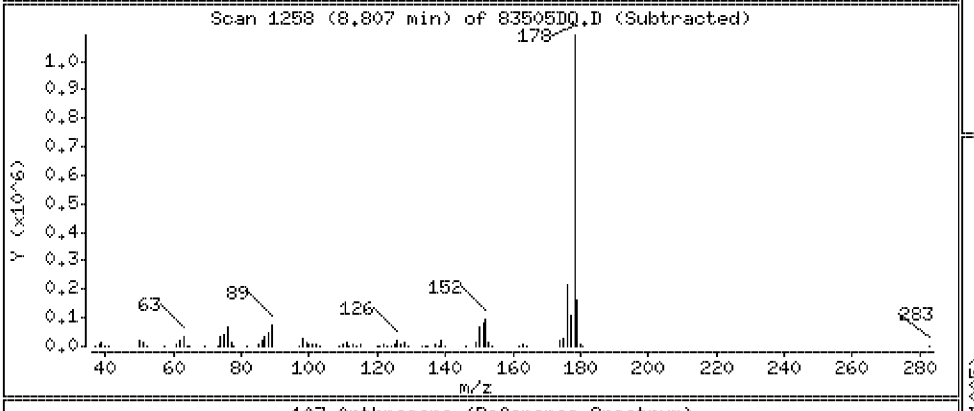
Column diameter: 0.25

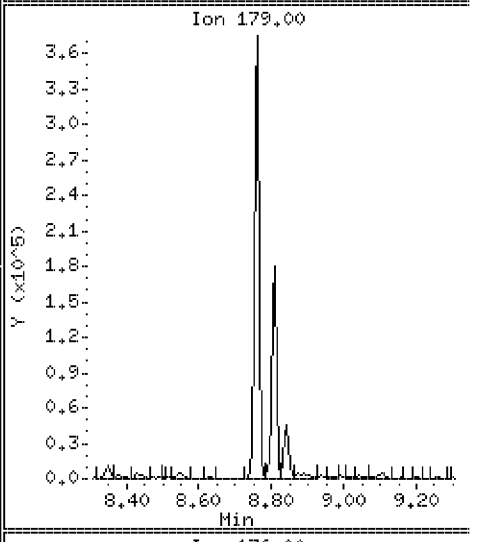
103 Anthracene

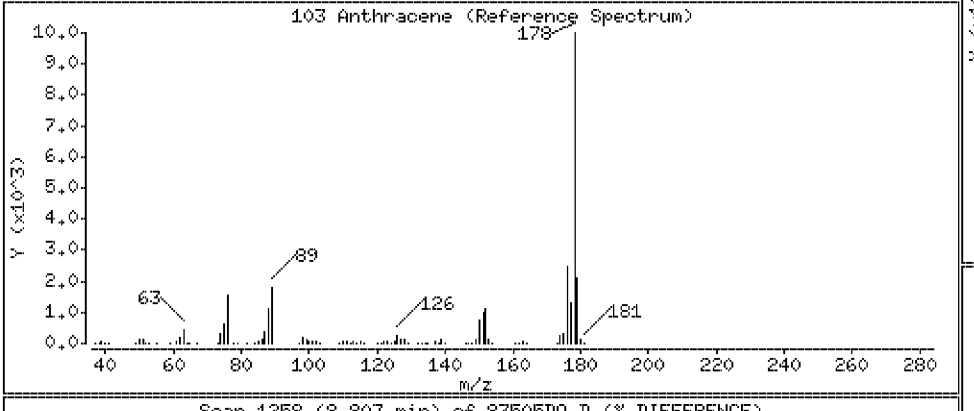
Concentration: 5220000 ug/kg

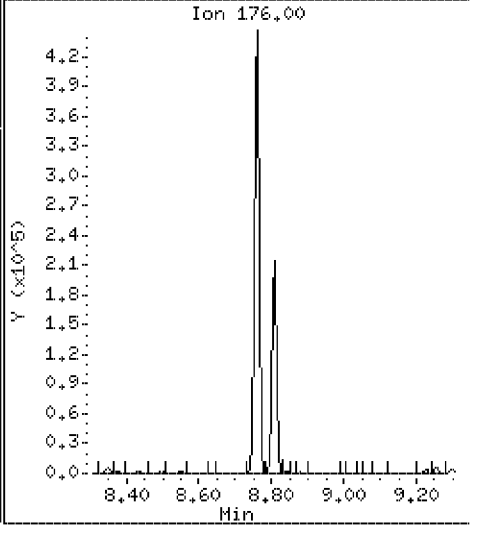


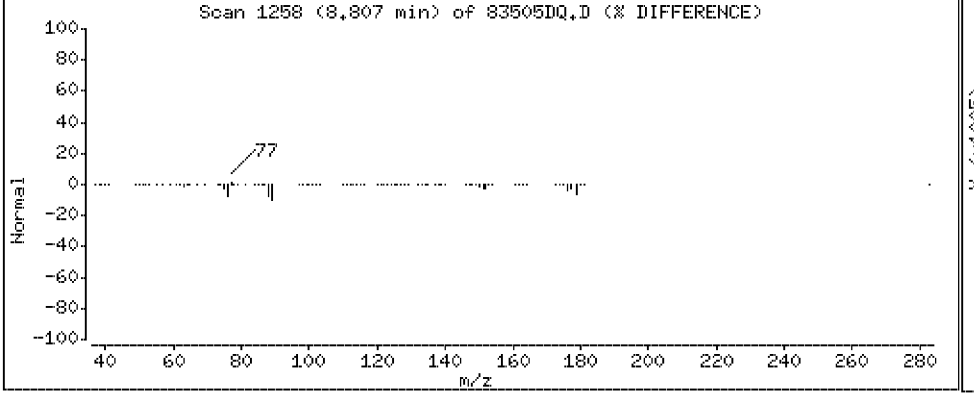












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

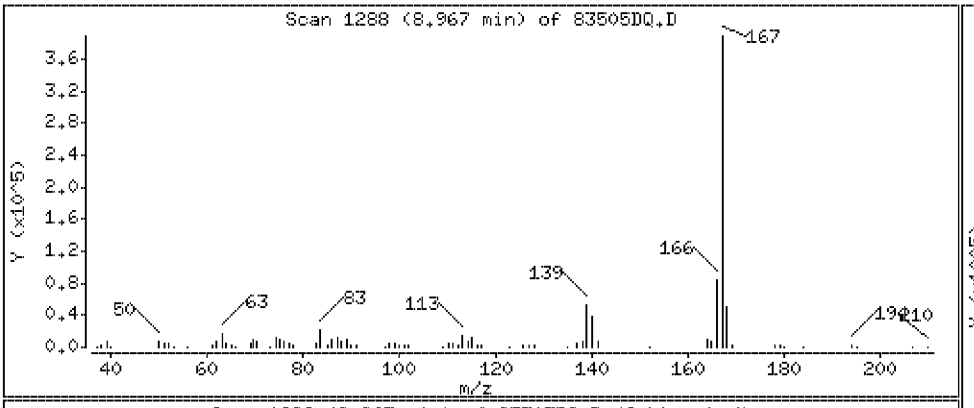
Operator: PEL

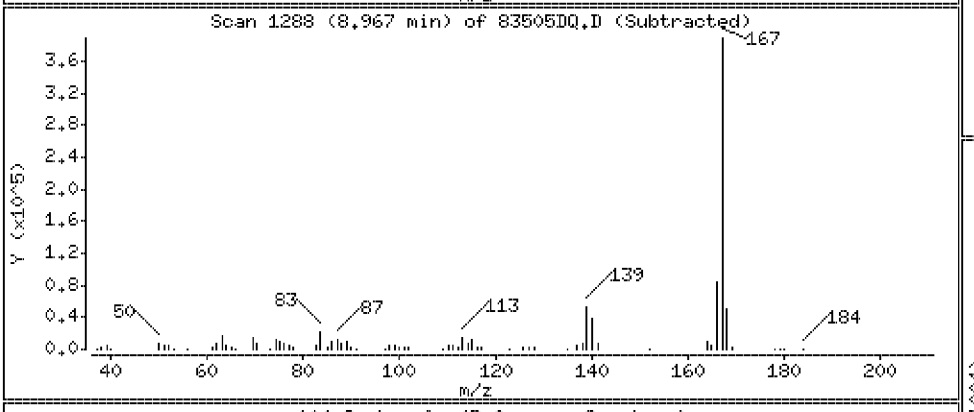
Column phase: HPMS-5

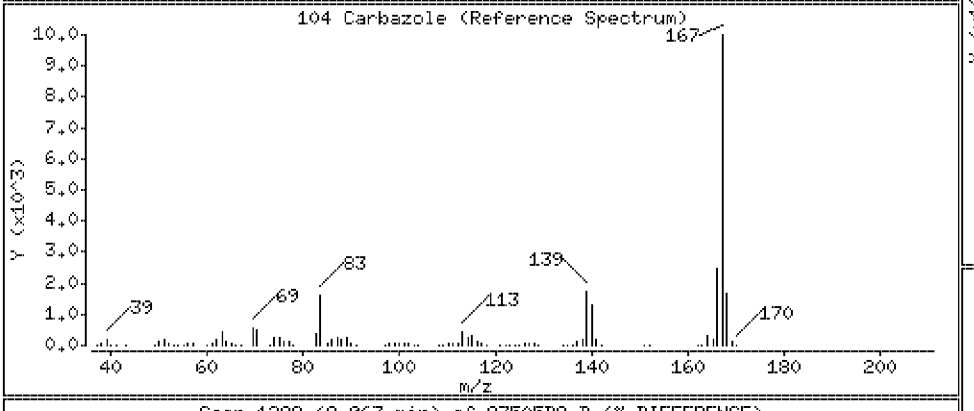
Column diameter: 0.25

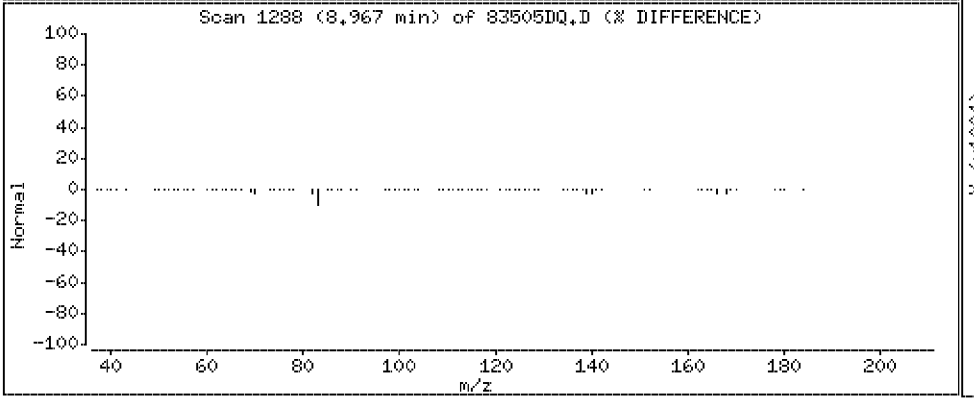
104 Carbazole

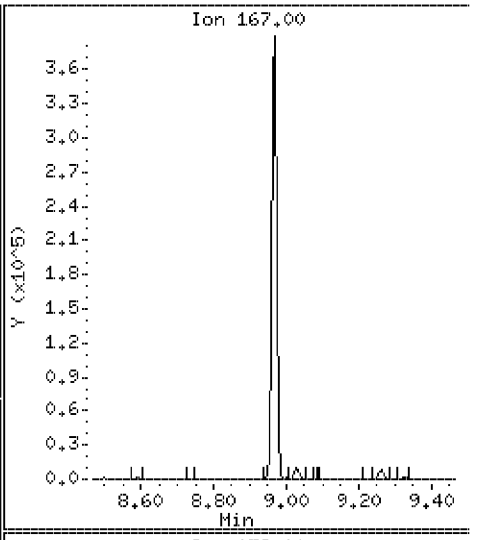
Concentration: 2280000 ug/kg

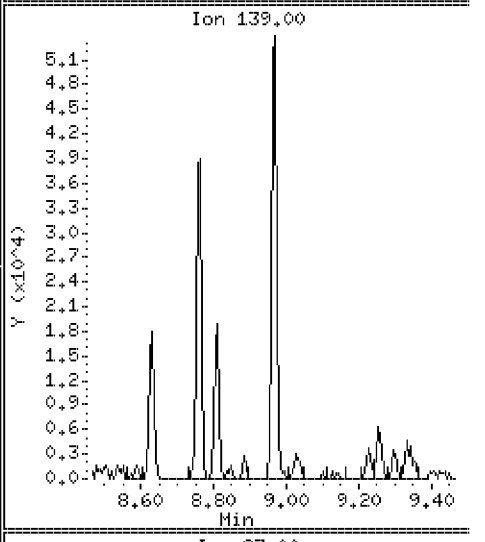


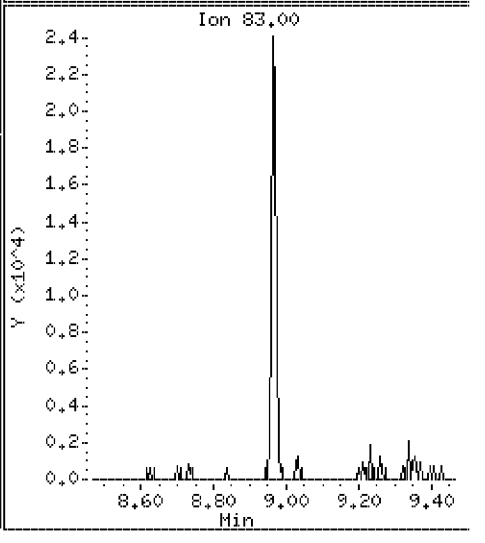












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

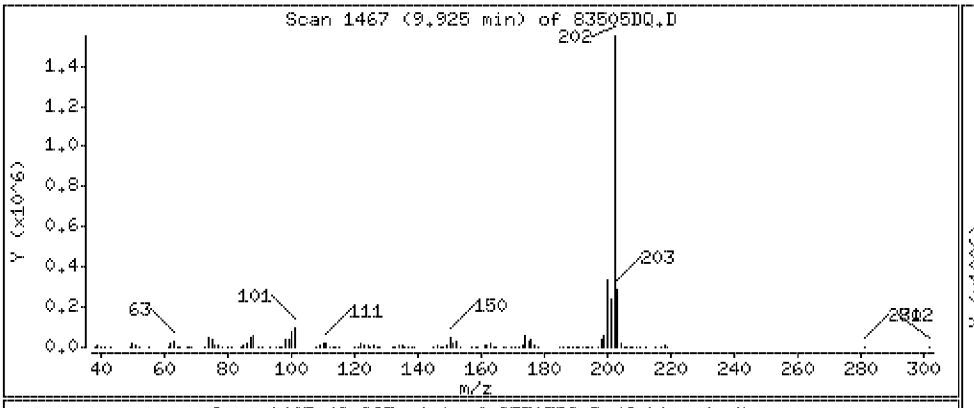
Operator: PEL

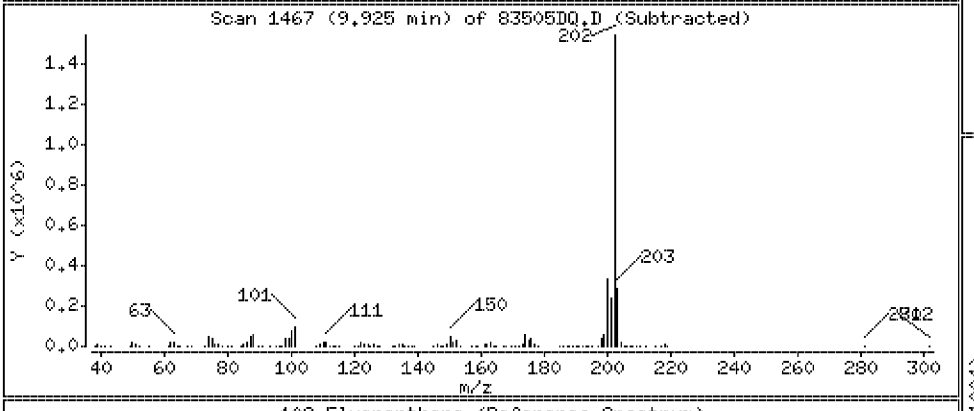
Column phase: HPMS-5

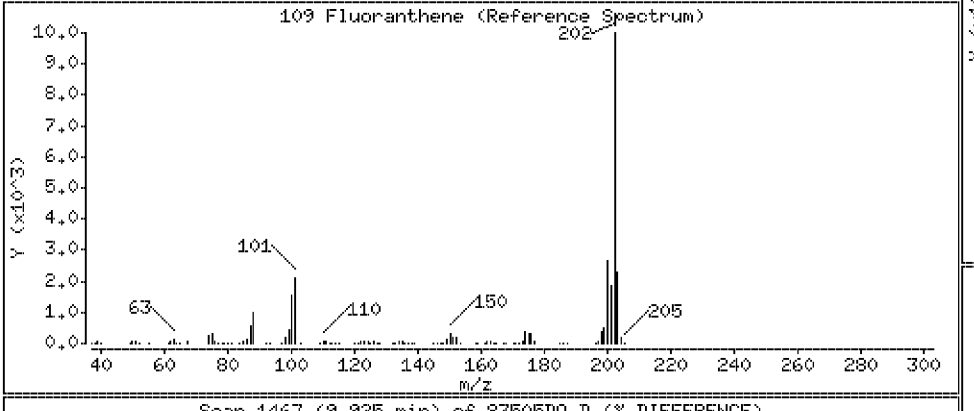
Column diameter: 0.25

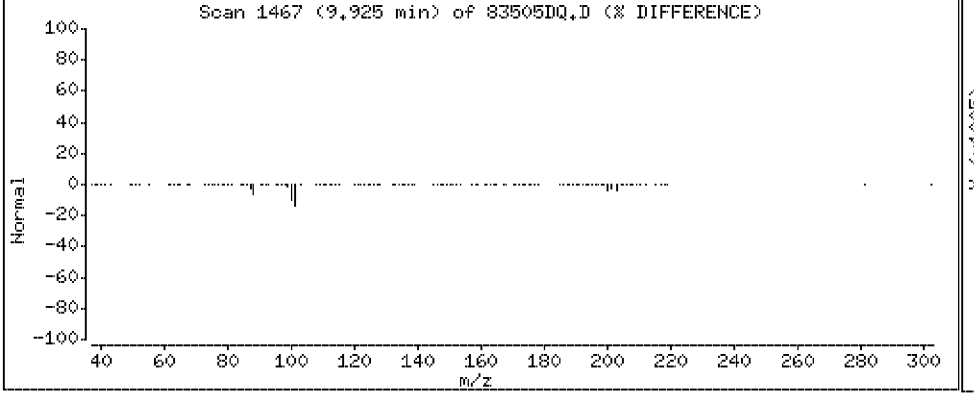
109 Fluoranthene

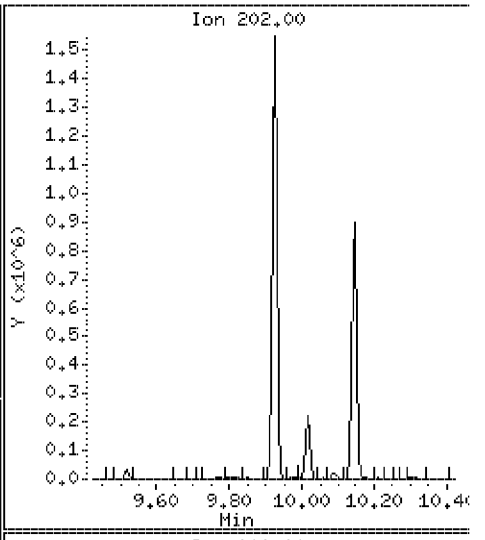
Concentration: 6260000 ug/kg

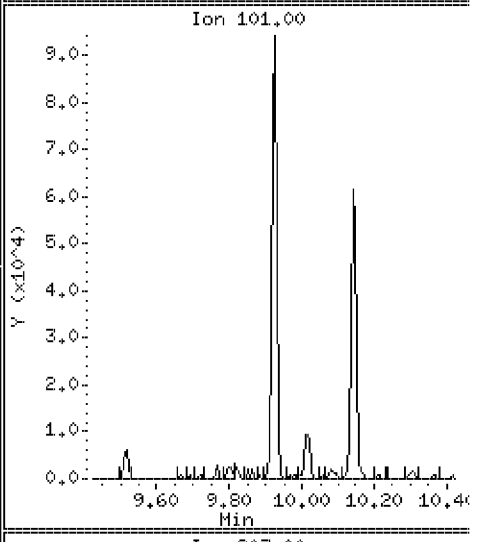


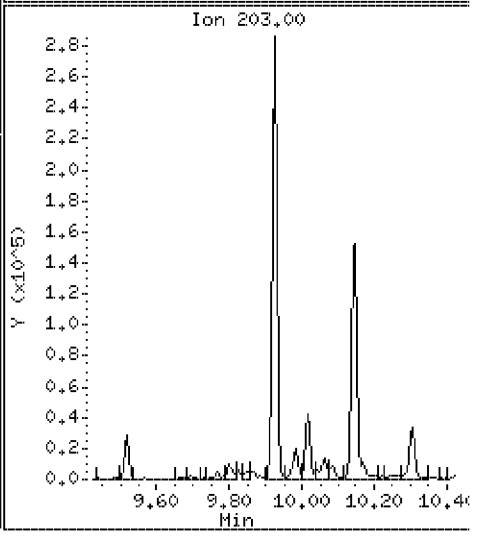












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

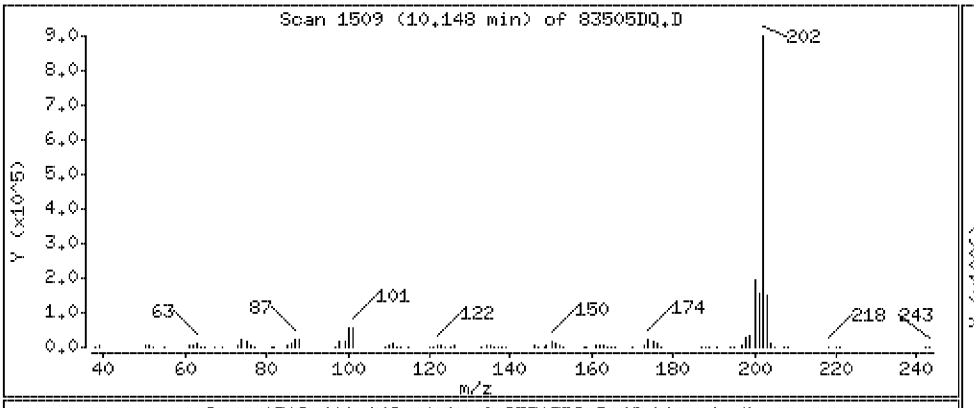
Operator: PEL

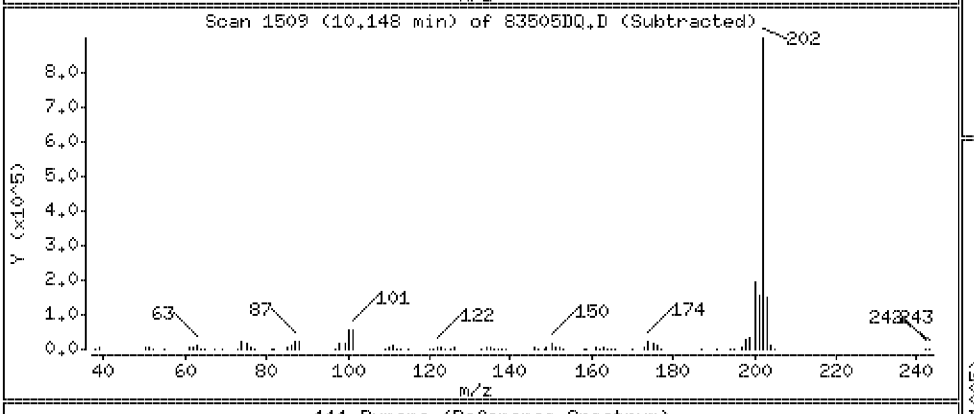
Column phase: HPMS-5

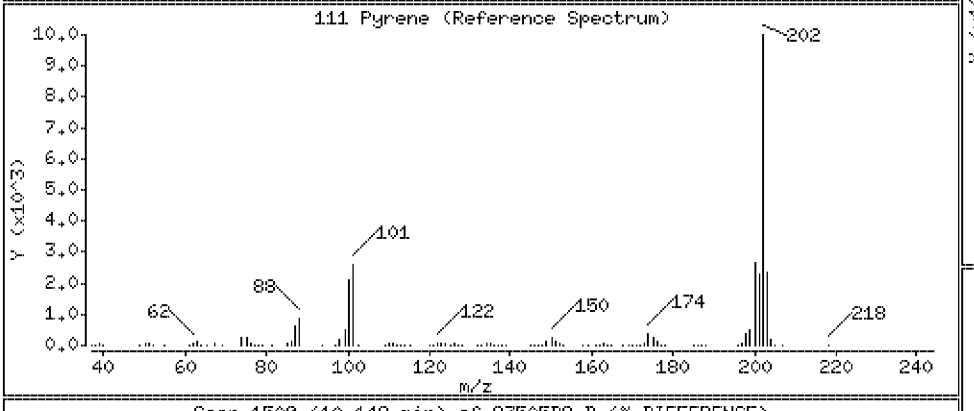
Column diameter: 0.25

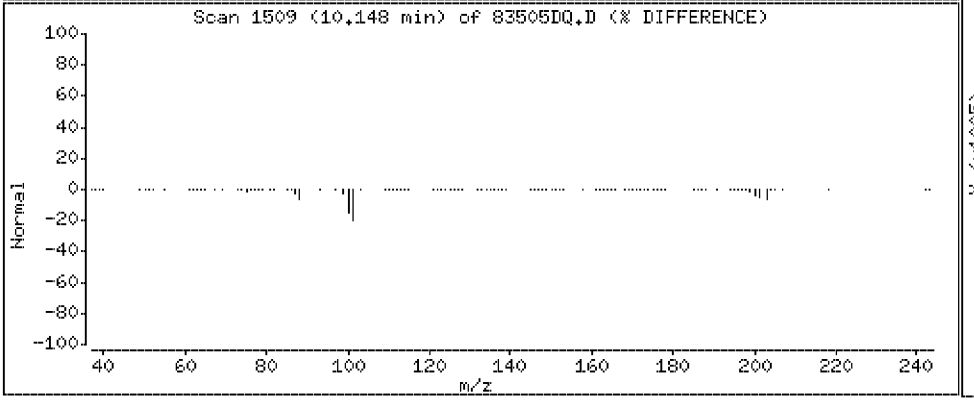
111 Pyrene

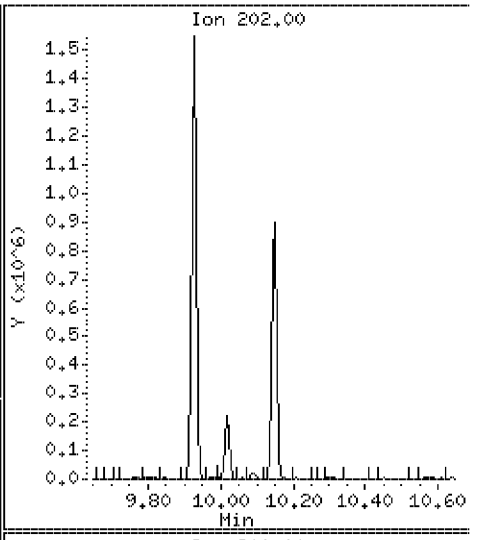
Concentration: 4180000 ug/kg

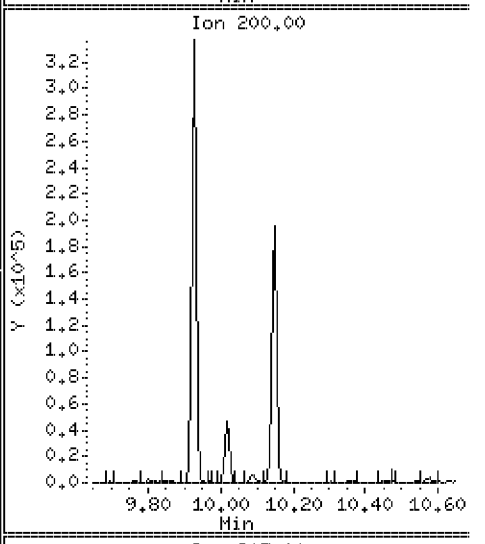


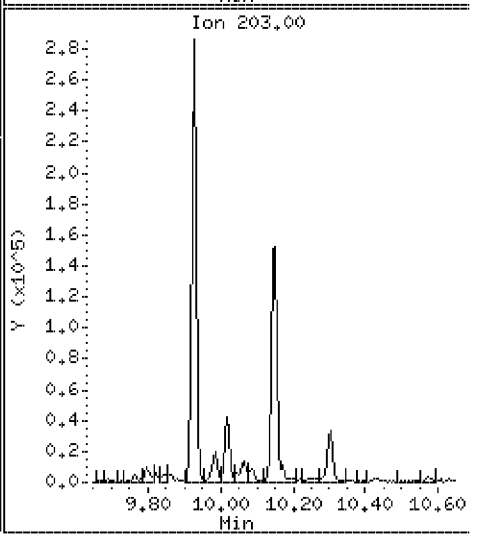












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

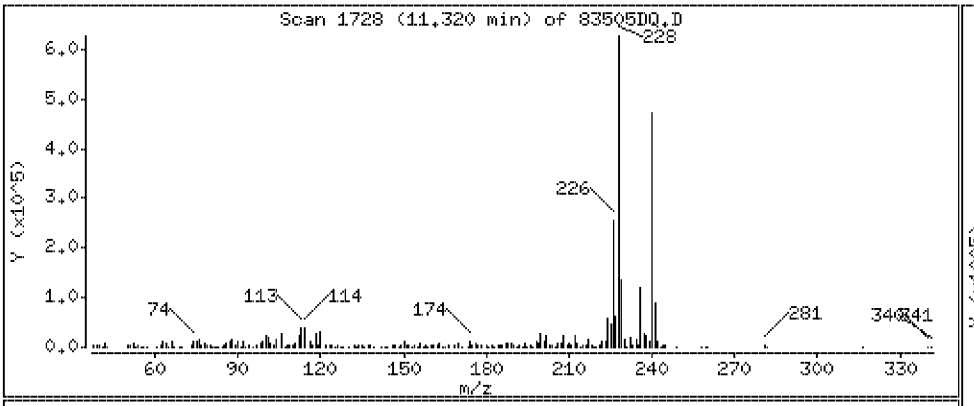
Operator: PEL

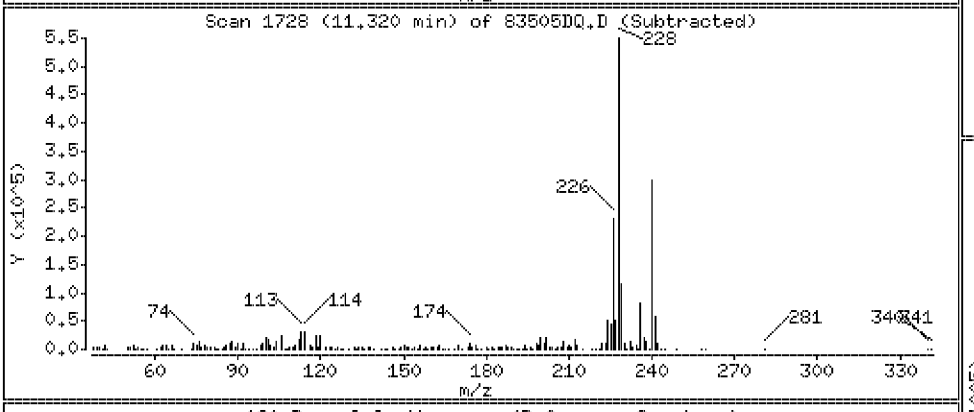
Column phase: HPMS-5

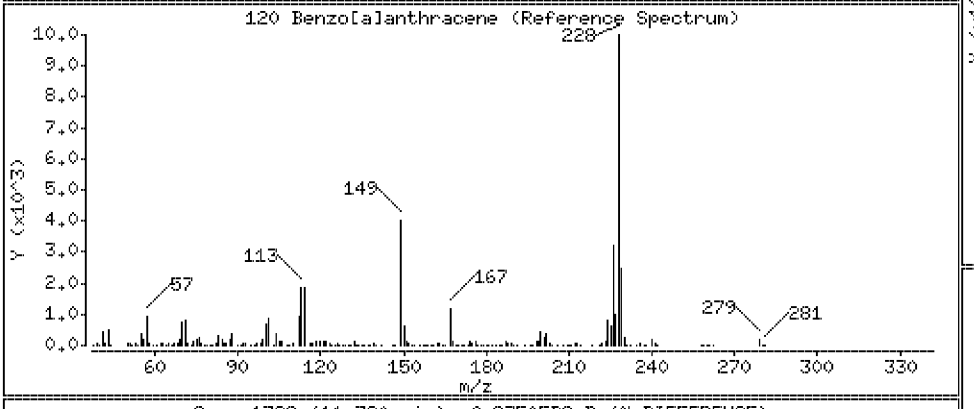
Column diameter: 0.25

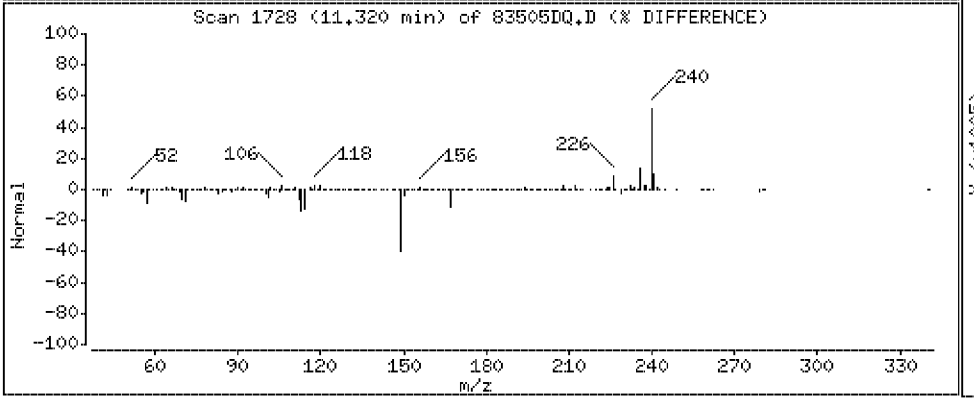
120 Benzo[a]anthracene

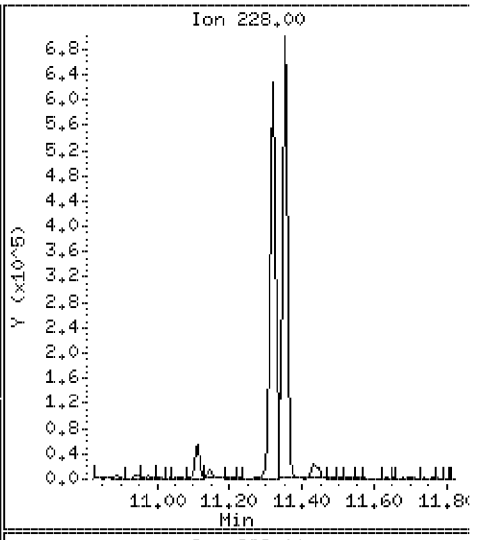
Concentration: 2670000 ug/kg

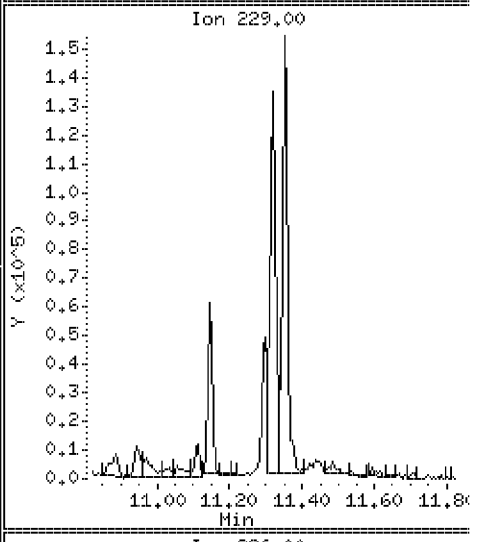


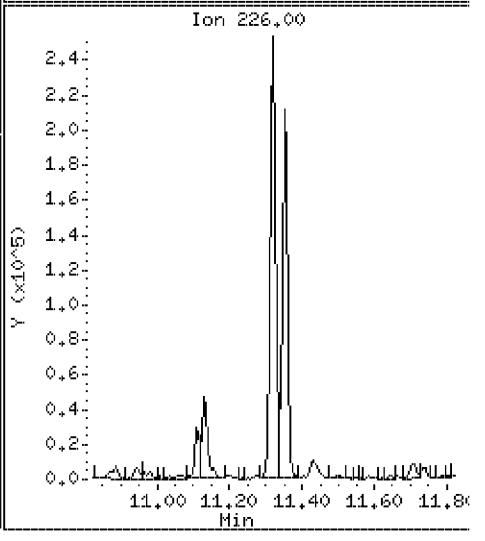












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

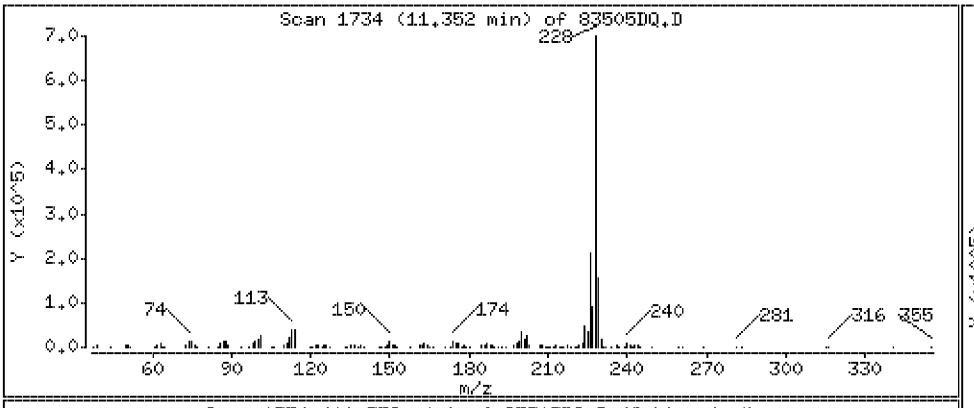
Operator: PEL

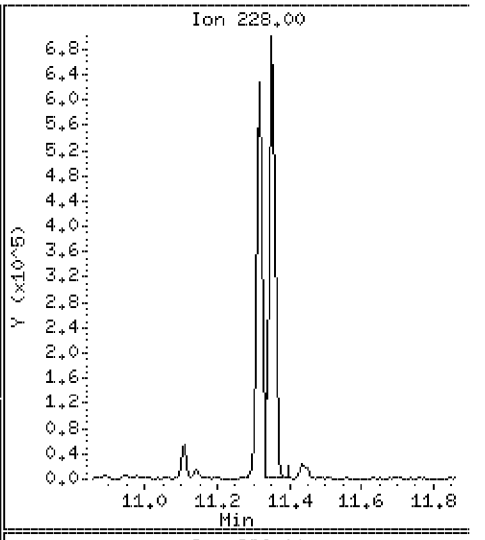
Column phase: HPMS-5

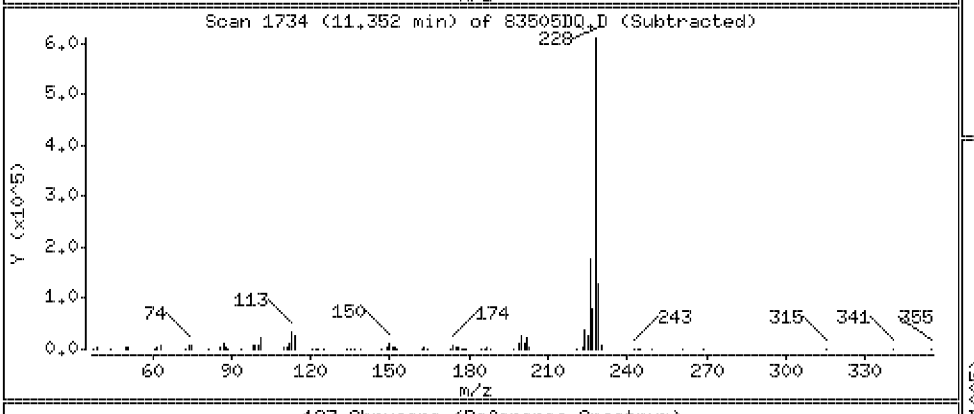
Column diameter: 0.25

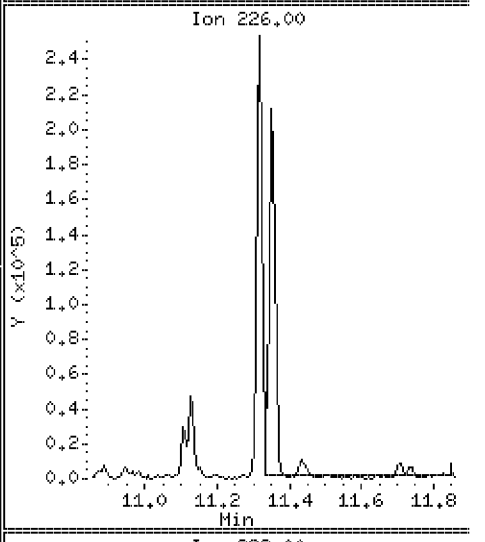
123 Chrysene

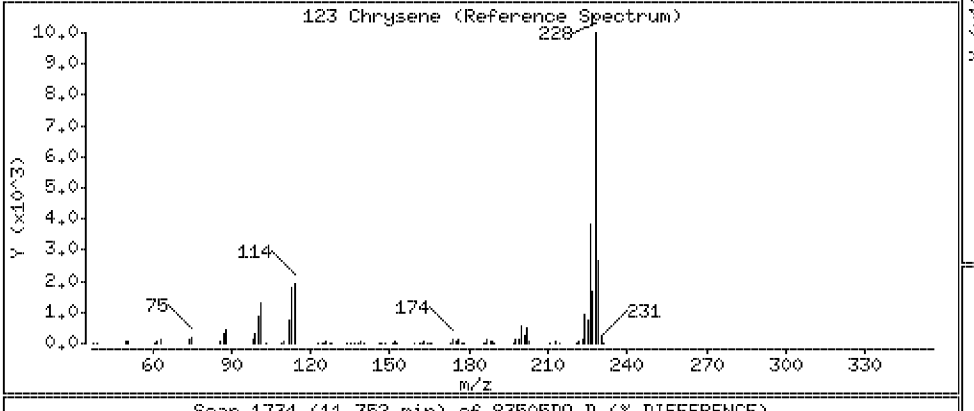
Concentration: 3100000 ug/kg

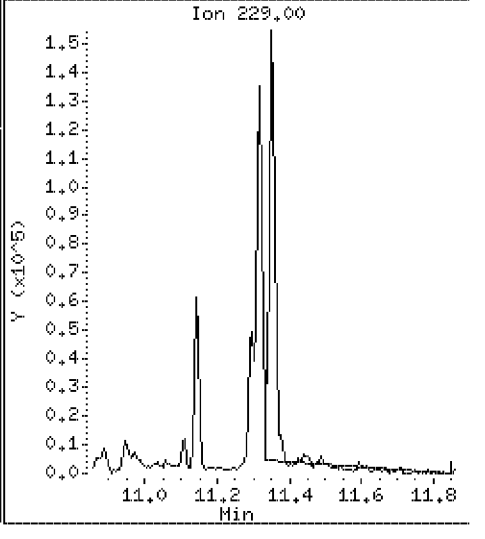


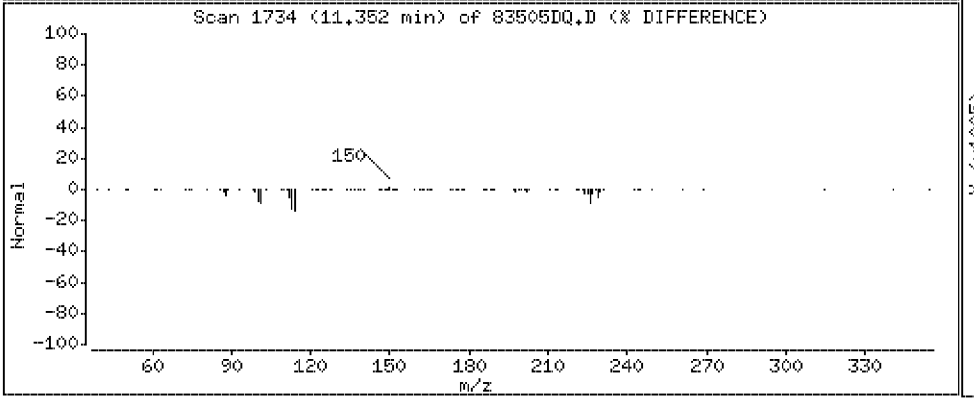












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

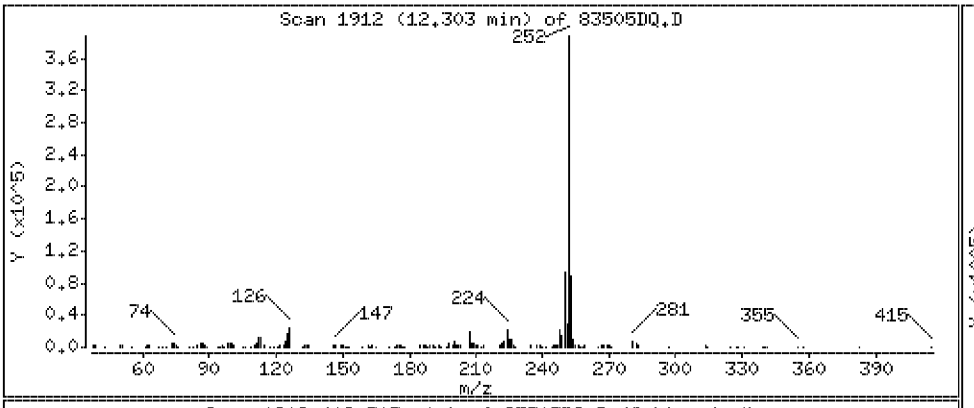
Operator: PEL

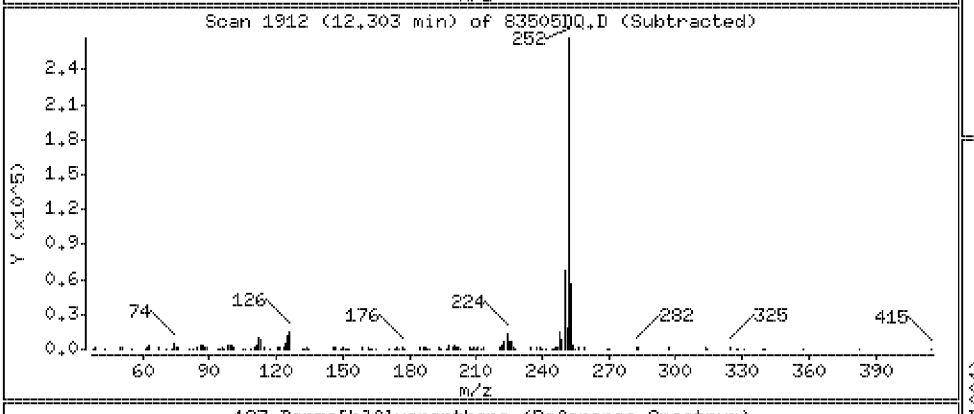
Column phase: HPMS-5

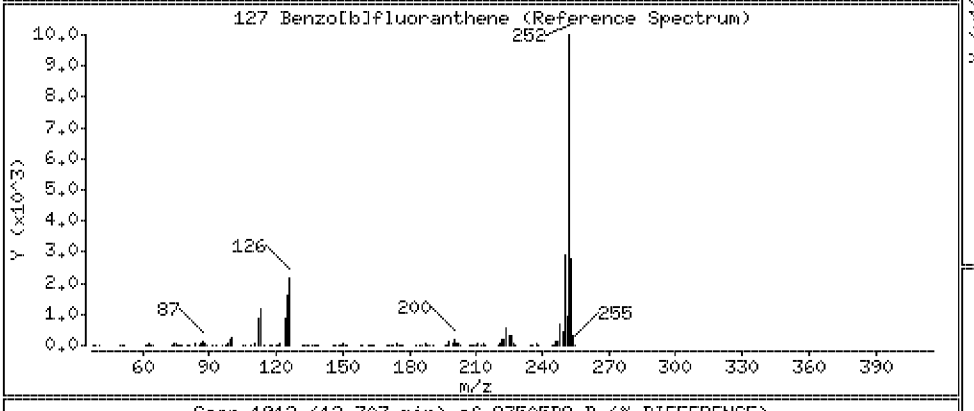
Column diameter: 0.25

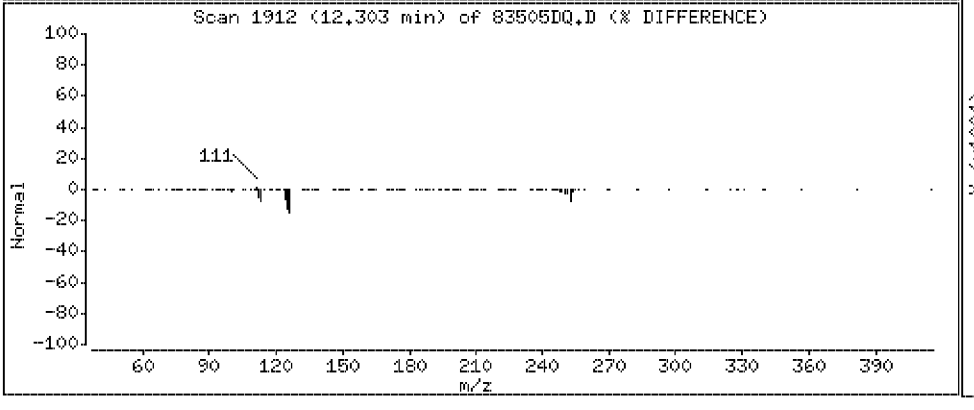
127 Benzo[b]fluoranthene

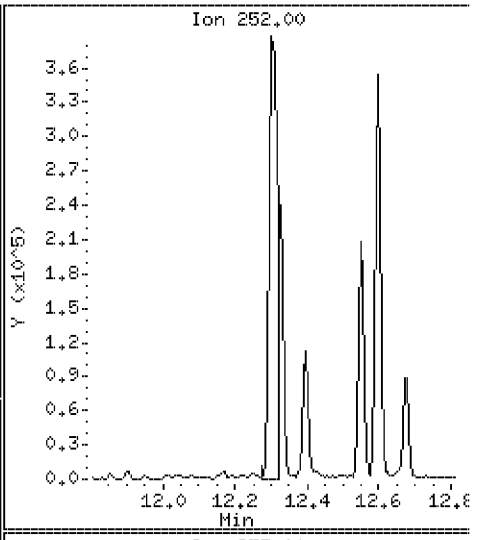
Concentration: 2050000 ug/kg

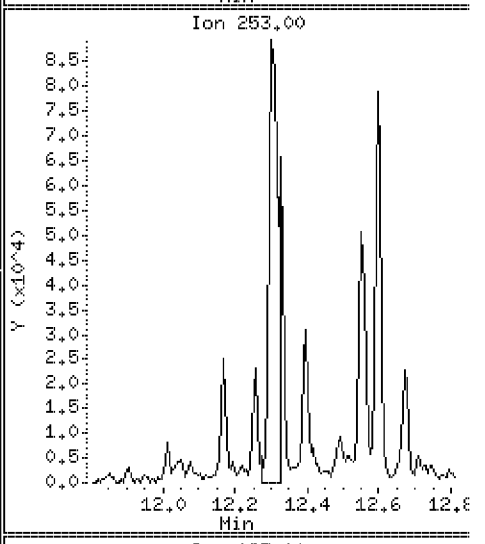


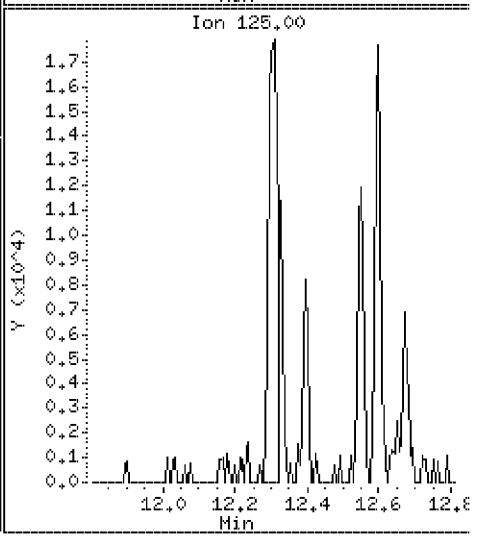












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

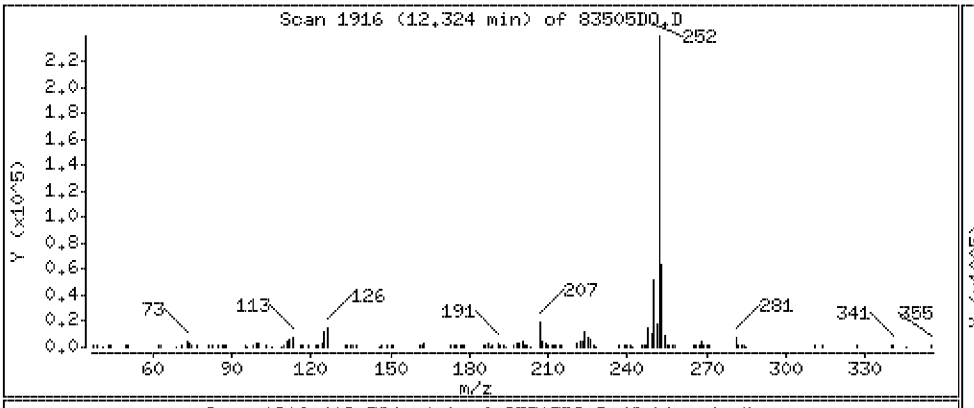
Operator: PEL

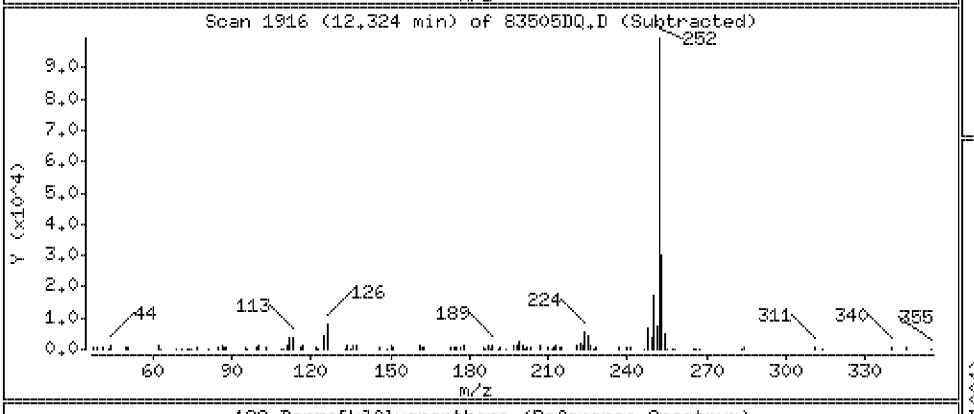
Column phase: HPMS-5

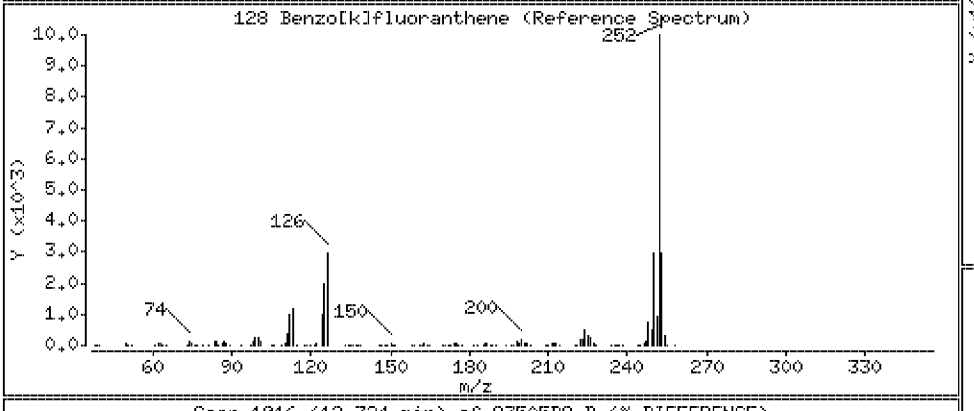
Column diameter: 0.25

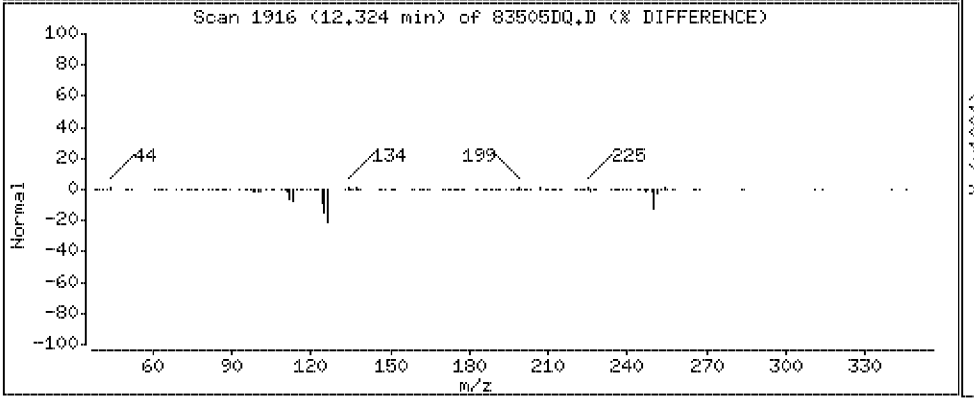
128 Benzo[k]fluoranthene

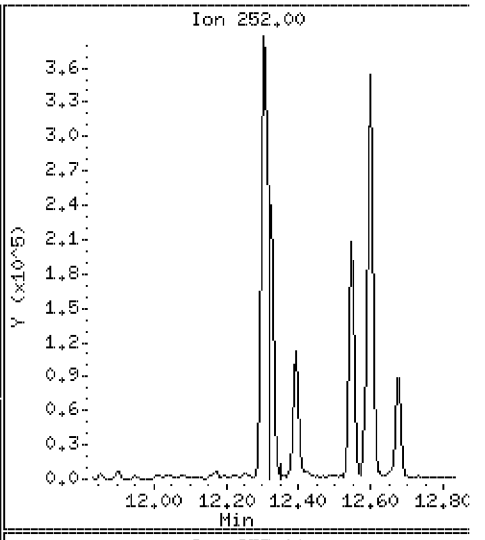
Concentration: 948000 ug/kg

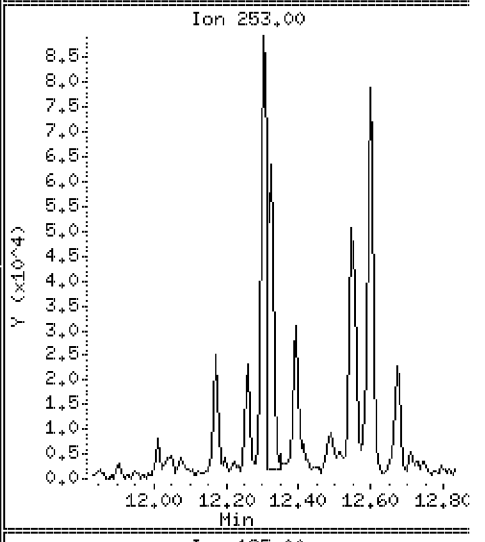


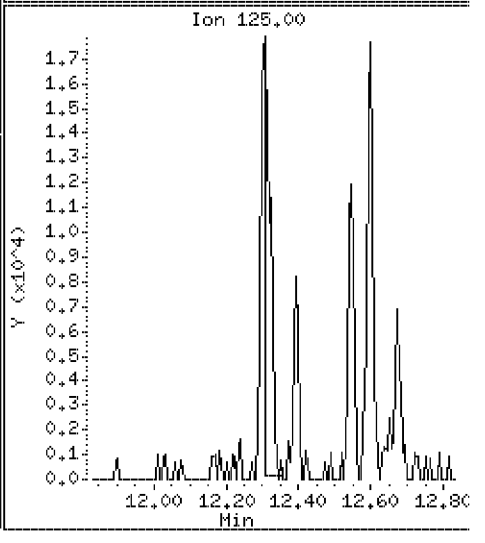












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

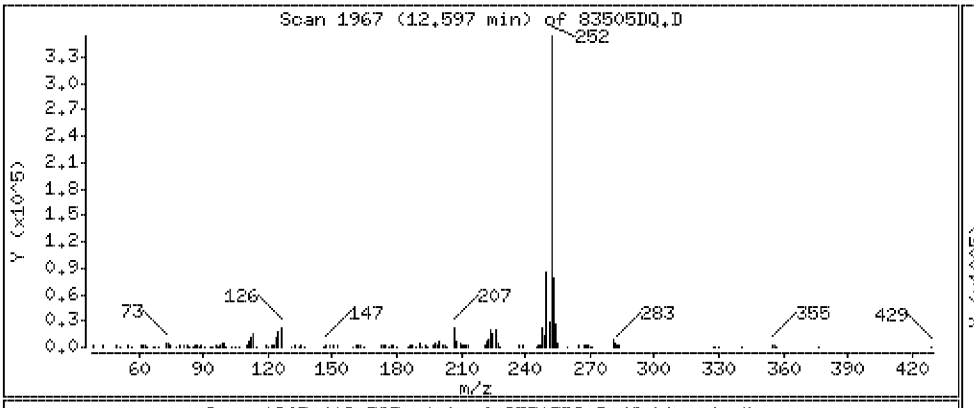
Operator: PEL

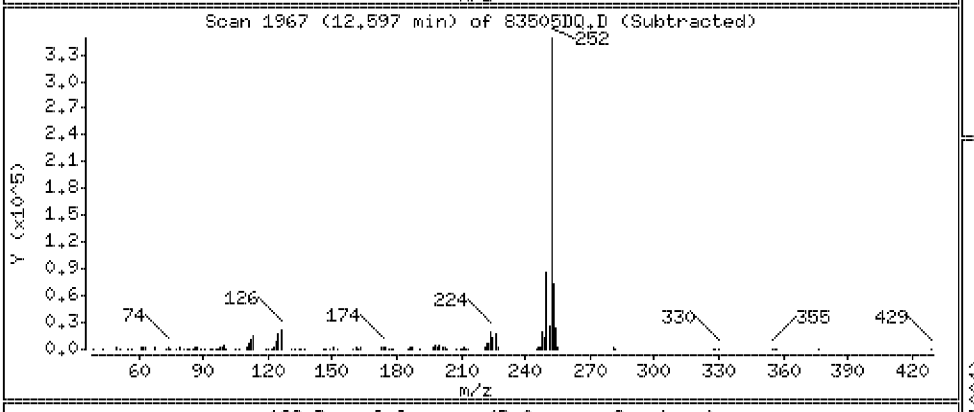
Column phase: HPMS-5

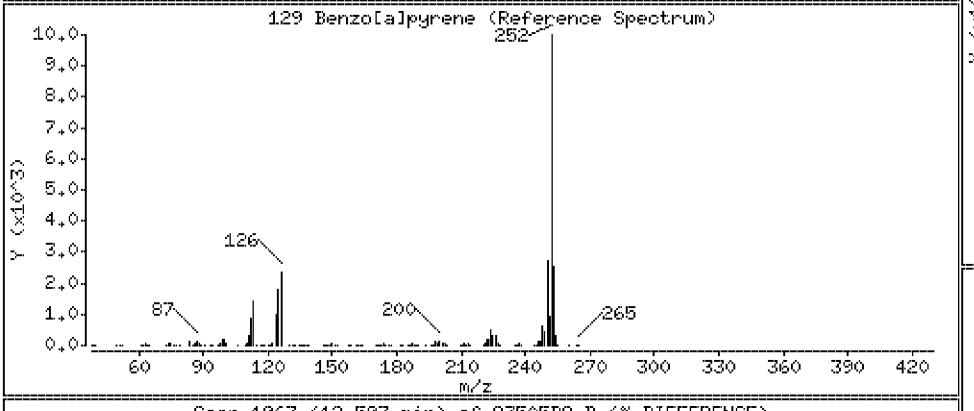
Column diameter: 0.25

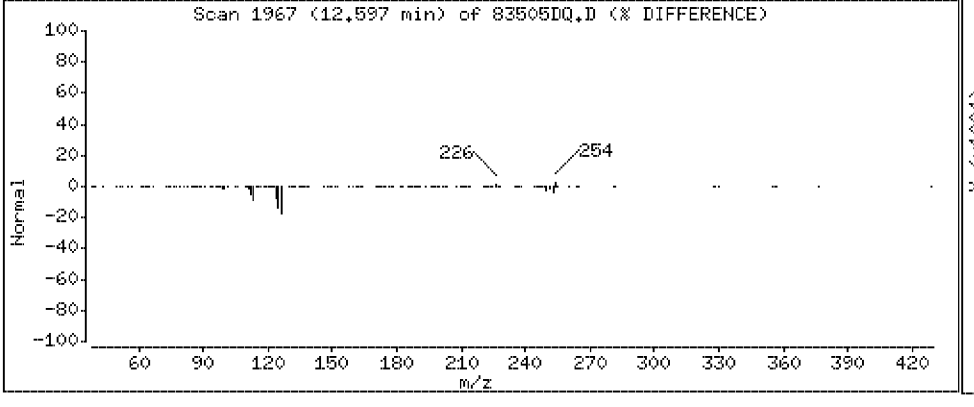
129 Benzo[a]pyrene

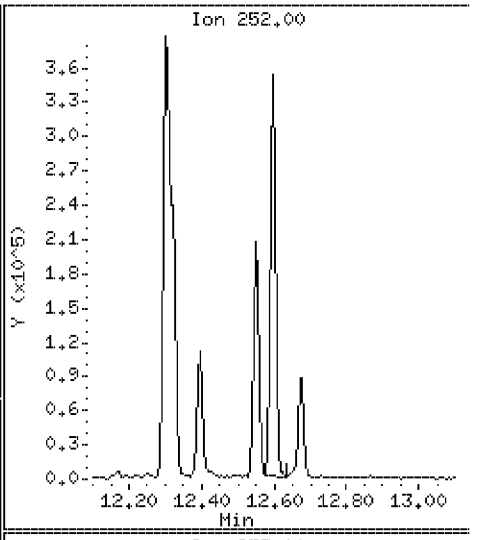
Concentration: 1460000 ug/kg

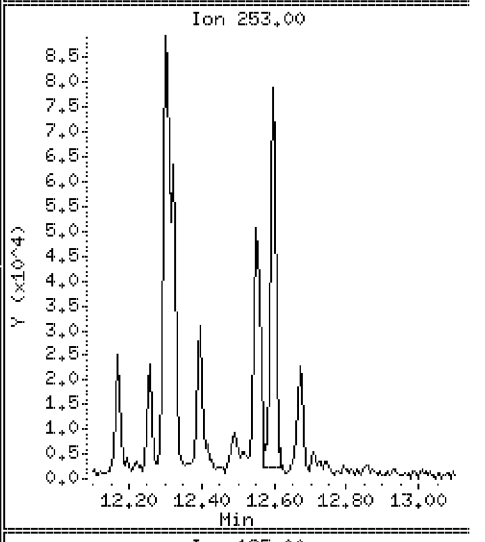


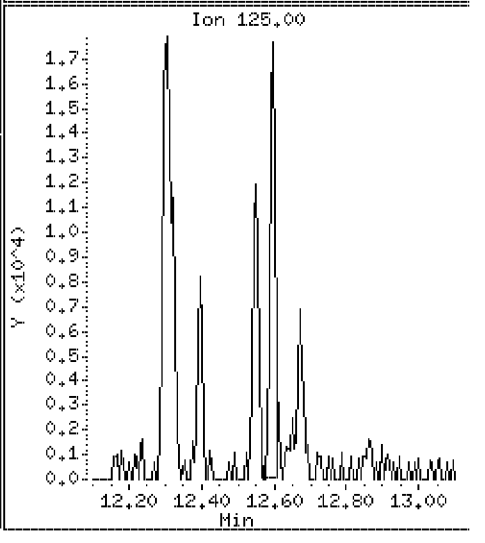












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

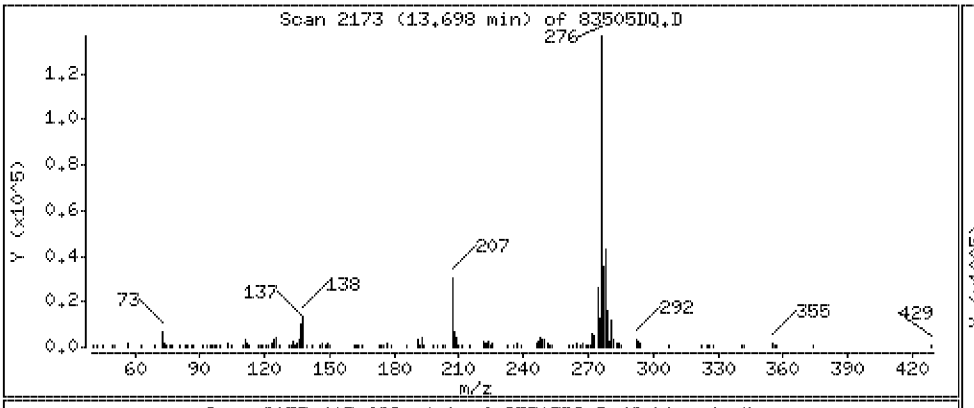
Operator: PEL

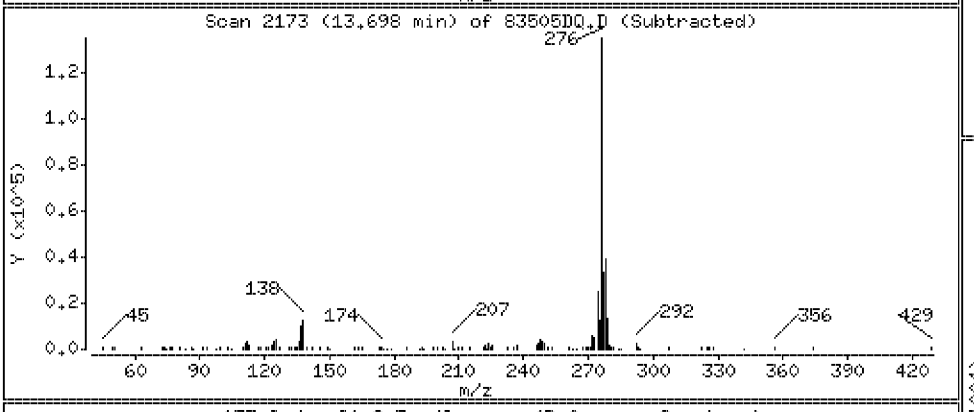
Column phase: HPMS-5

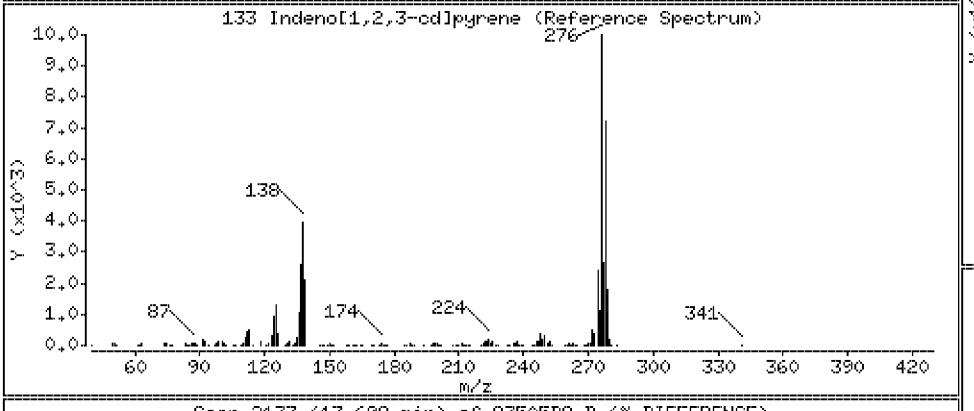
Column diameter: 0.25

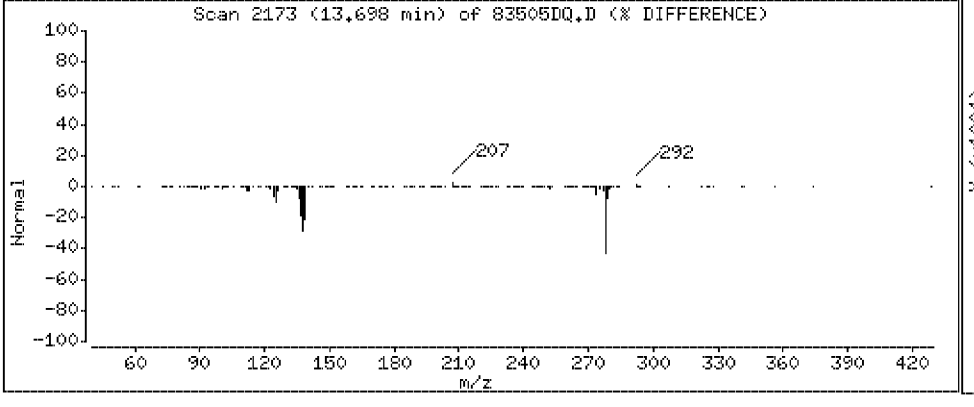
133 Indeno[1,2,3-cd]pyrene

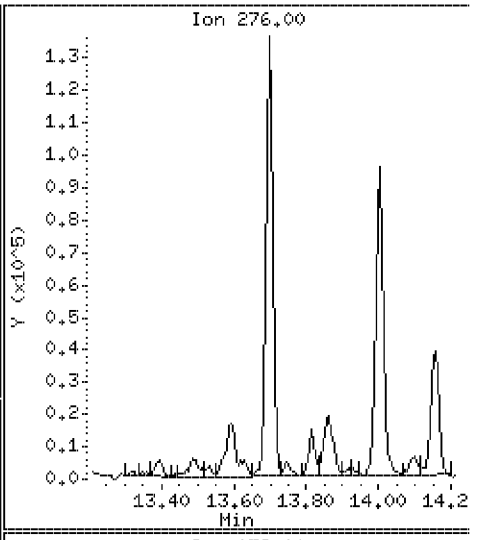
Concentration: 578000 ug/kg

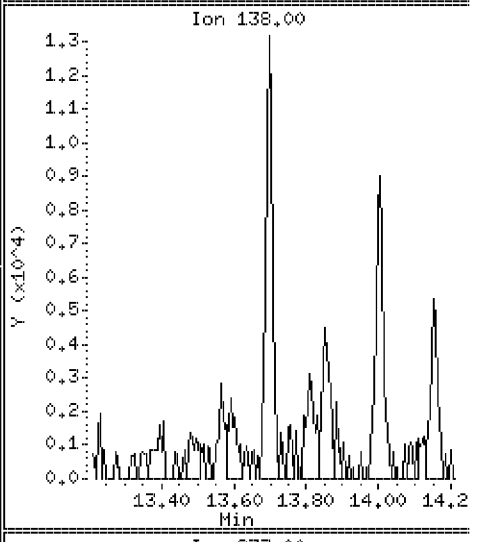


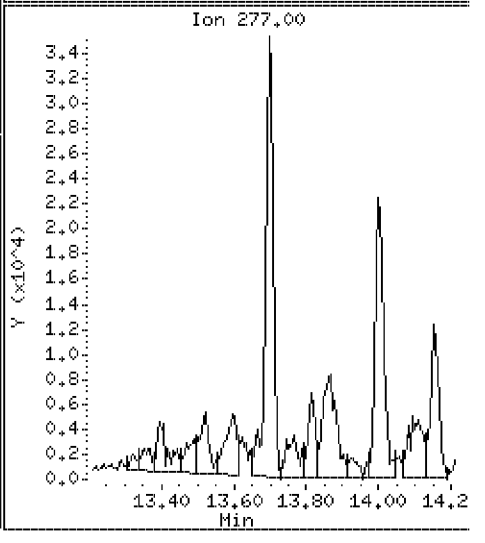












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505DQ.D

Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

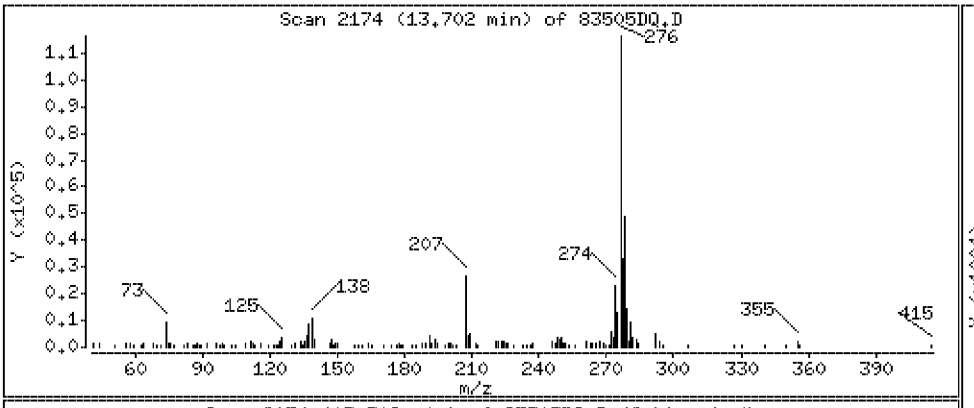
Operator: PEL

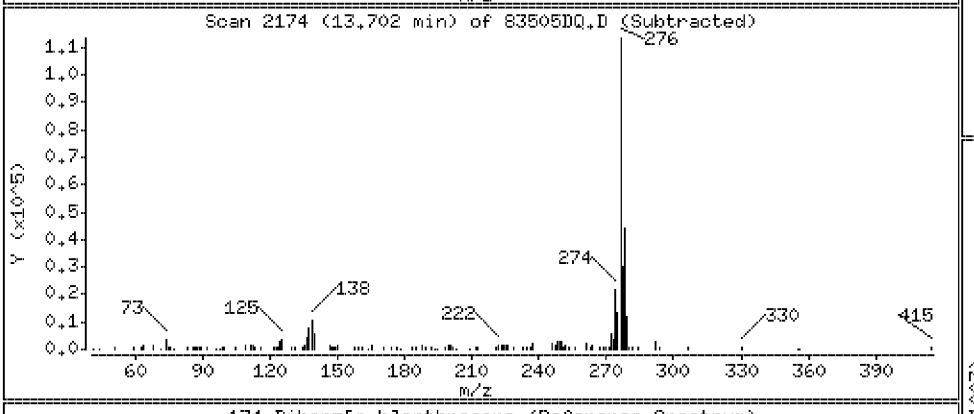
Column phase: HPMS-5

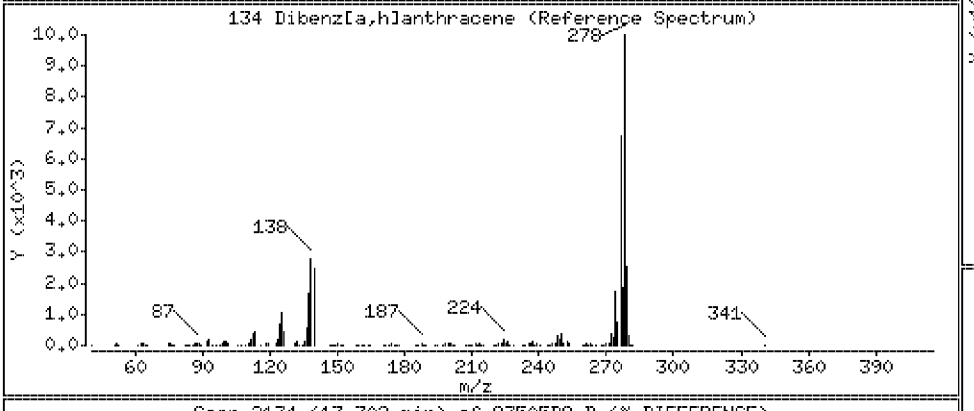
Column diameter: 0.25

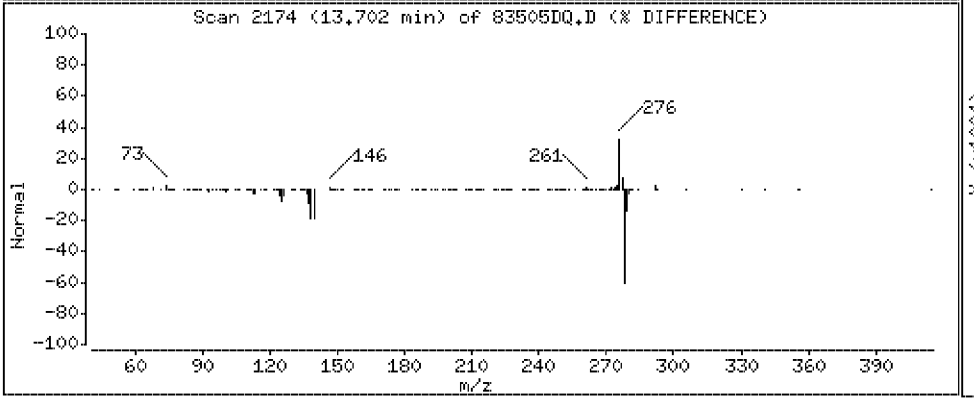
134 Dibenz[a,h]anthracene

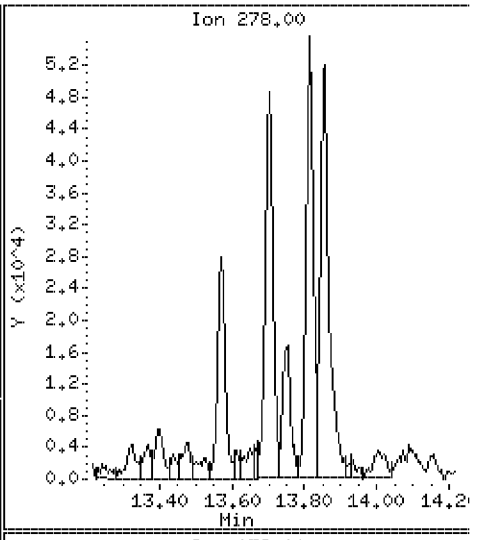
Concentration: 269000 ug/kg

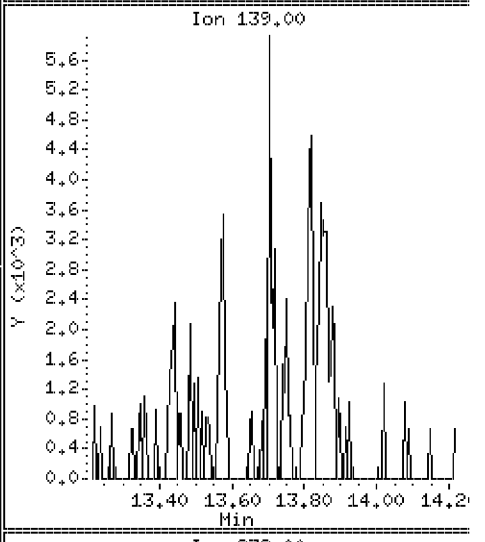


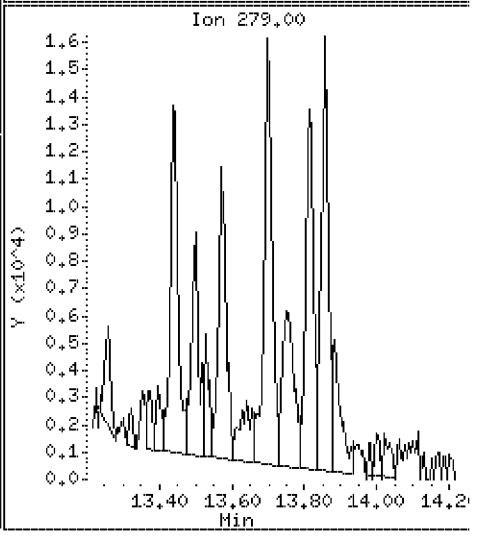












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Date : 26-APR-2012 18:47

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

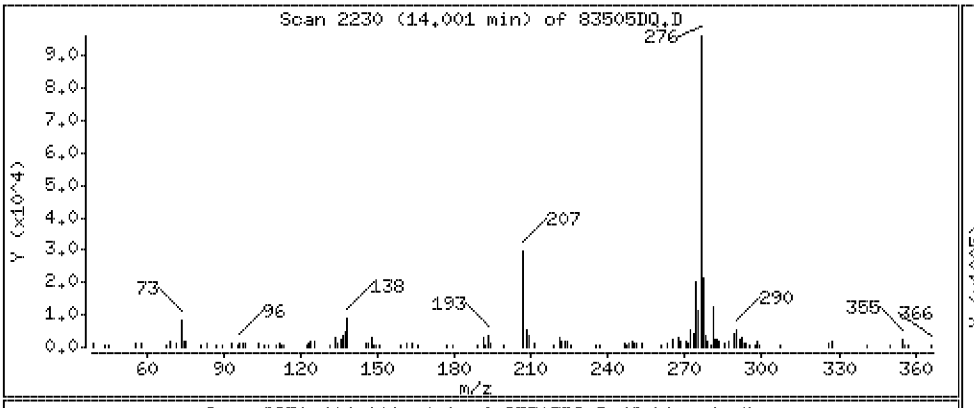
Operator: PEL

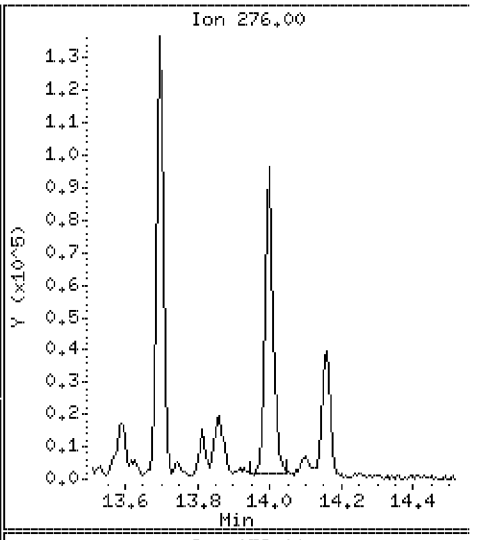
Column phase: HPMS-5

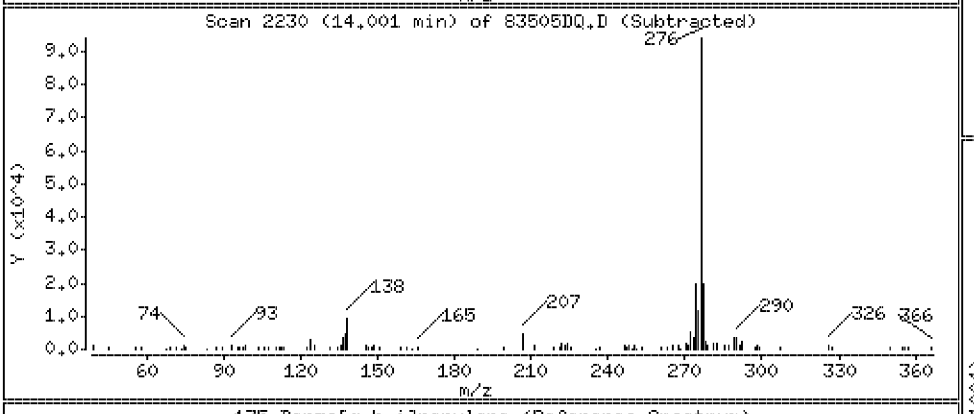
Column diameter: 0.25

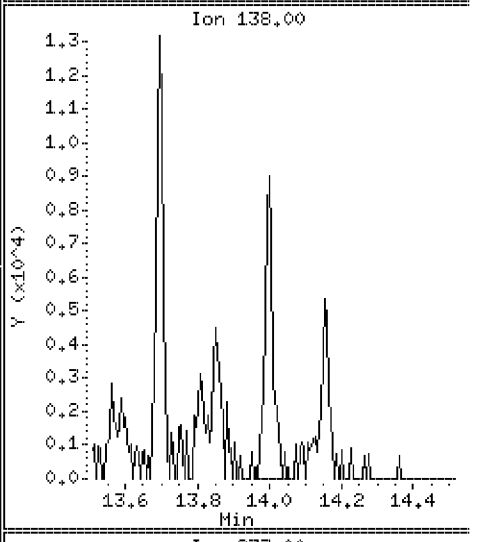
135 Benzo[g,h,i]perylene

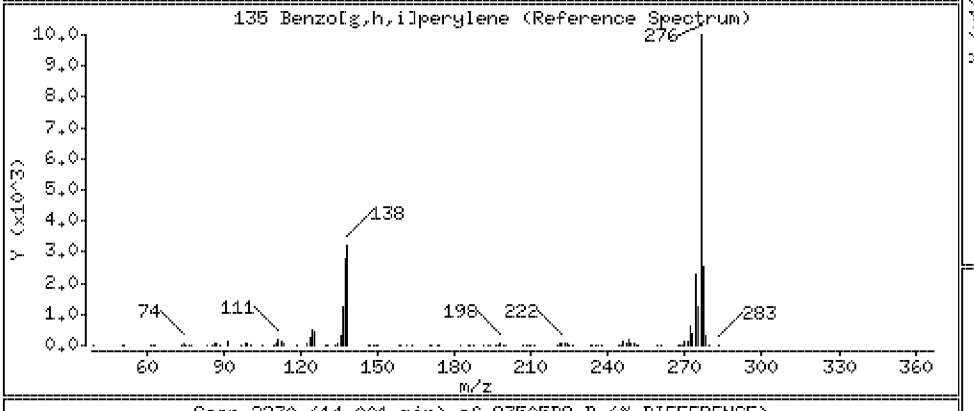
Concentration: 575000 ug/kg

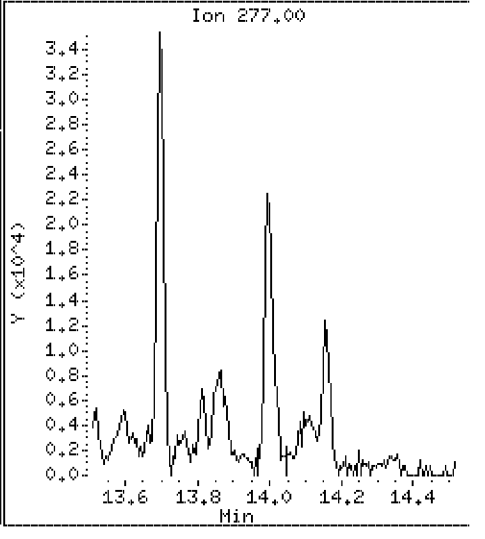


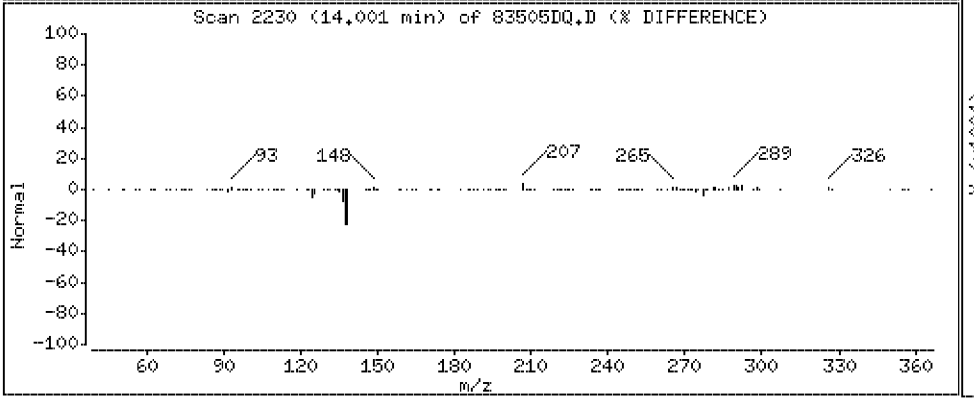












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D
Lab Smp Id: 350583507 Client Smp ID: EPAFMC-SD-01MS
Inj Date : 26-APR-2012 19:10 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583507
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 21 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	5.000	Dilution Factor
Ws	25.870	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.924	2.910 (0.661)		93	56001	5.86958	1680	80.00- 120.00	100.00
2.922	2.910 (0.661)		66	26056			20.86- 80.86	46.53
2.923	2.910 (0.661)		92	13538			0.00- 56.34	24.17
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
2.987	2.987 (0.675)		88	24014	5.90289	1690	80.00- 120.00	100.00
2.991	2.987 (0.676)		43	12232			17.39- 77.39	50.94
2.988	2.987 (0.675)		42	23125			68.13- 128.13	96.30
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.222	3.220 (0.728)		80	30875	4.59027	1310	80.00- 120.00	100.00
3.222	3.220 (0.728)		79	19663			28.45- 88.45	63.69
3.221	3.220 (0.728)		65	7530			0.00- 57.09	24.39
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.533	3.531 (0.799)		102	23845	5.91392	1690	80.00- 120.00	100.00
3.532	3.531 (0.798)		42	16362			38.33- 98.33	68.62
3.533	3.531 (0.799)		57	10475			11.32- 71.32	43.93
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.768	3.768 (0.852)		79	45315	6.49087	1860	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.768	3.768	(0.852)	109	23878			22.59- 82.59	52.69
3.768	3.768	(0.852)	97	8294			0.00- 48.34	18.30
	12 Pentachloroethane					CAS #: 76-01-7		
4.183	4.184	(0.945)	167	14979	3.75924	1070	80.00- 120.00	100.00
4.184	4.184	(0.946)	117	11224			41.63- 101.63	74.93
4.182	4.184	(0.945)	130	6926			13.26- 73.26	46.24
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.424	4.423	(1.000)	152	260633	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	170252			33.39- 93.39	65.32
4.424	4.423	(1.000)	150	400665			121.52- 181.52	153.73
	24 N-Nitrosopyrrolidine					CAS #: 930-55-2		
4.760	4.763	(1.076)	100	27287	6.41989	1840	80.00- 120.00	100.00(Q)
4.767	4.763	(1.078)	41	45783			34.45- 94.45	167.78
4.769	4.763	(1.078)	42	46976			26.31- 86.31	172.16
	25 Acetophenone					CAS #: 98-86-2		
4.775	4.778	(0.855)	105	148049	10.9289	3120	80.00- 120.00	100.00
4.776	4.778	(0.855)	77	159419			69.57- 129.57	107.68
4.776	4.778	(0.855)	51	43096			0.00- 54.45	29.11
	27 N-Nitrosomorpholine					CAS #: 59-89-2		
4.789	4.794	(1.083)	56	32105	7.37736	2110	80.00- 120.00	100.00
4.790	4.794	(1.083)	116	10951			6.33- 66.33	34.11
4.789	4.794	(1.083)	86	21786			39.78- 99.78	67.86
	29 o-Toluidine					CAS #: 95-53-4		
4.808	4.812	(1.087)	106	54286	3.91607	1120	80.00- 120.00	100.00
4.807	4.812	(1.087)	77	16854			0.00- 54.63	31.05
4.809	4.812	(1.087)	107	41639			43.62- 103.62	76.70
	33 N-Nitrosopiperidine					CAS #: 100-75-4		
5.072	5.072	(0.908)	114	25406	6.48964	1860	80.00- 120.00	100.00
5.071	5.072	(0.908)	42	29095			83.44- 143.44	114.52
5.071	5.072	(0.908)	55	14395			31.18- 91.18	56.66
	37 o,o,o-Triethylphosphorothioate					CAS #: 126-68-1		
5.315	5.314	(1.201)	198	38632	6.16732	1760	80.00- 120.00	100.00
5.314	5.314	(1.201)	97	23903			35.12- 95.12	61.87
5.313	5.314	(1.201)	65	20021			22.68- 82.68	51.82
	39 a,a-Dimethylphenethylamine					CAS #: 122-09-8		
5.422	5.414	(0.971)	58	74905	5.45860	1560	80.00- 120.00	100.00
5.423	5.414	(0.971)	91	26252			4.25- 64.25	35.05
5.421	5.414	(0.971)	65	12063			0.00- 48.94	16.10
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	900448	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	47541			0.00- 35.32	5.28

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.665	5.667	(1.014)	162	40886	5.42580	1550	80.00- 120.00	100.00
5.663	5.667	(1.014)	63	42062			45.07- 105.07	102.88
5.665	5.667	(1.014)	98	10874			0.00- 57.32	26.60
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.966	5.968	(1.068)	84	55303	7.62387	2180	80.00- 120.00	100.00
5.966	5.968	(1.068)	57	28257			29.33- 89.33	51.09
5.966	5.968	(1.068)	41	31734			20.26- 80.26	57.38
52 Isosafrole						CAS #: 120-58-1		
6.175	6.176	(1.106)	162	42768	5.85954	1680	80.00- 120.00	100.00
6.175	6.176	(1.106)	104	32750			42.54- 102.54	76.58
6.175	6.176	(1.106)	131	21173			18.04- 78.04	49.51
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.427	6.427	(0.883)	216	66794	5.69305	1630	80.00- 120.00	100.00
6.428	6.427	(0.883)	214	49855			47.07- 107.07	74.64
6.425	6.427	(0.883)	108	11713			0.00- 47.53	17.54
60 Safrole						CAS #: 94-59-7		
6.678	6.678	(1.196)	162	44089	6.43497	1840	80.00- 120.00	100.00
6.678	6.678	(1.196)	104	27784			32.00- 92.00	63.02
6.678	6.678	(1.196)	77	17906			9.31- 69.31	40.61
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.905	6.907	(0.949)	158	980	0.14797	42.3	80.00- 120.00	100.00(R)
6.907	6.907	(0.949)	102	596			57.84- 117.84	60.82
6.942	6.907	(0.954)	130	208			16.16- 76.16	21.22
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.045	7.044	(0.968)	168	20598	6.57630	1880	80.00- 120.00	100.00
7.044	7.044	(0.968)	75	27907			96.24- 156.24	135.48
7.043	7.044	(0.968)	50	14521			38.85- 98.85	70.50
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	619194	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	584041			66.43- 126.43	94.32
7.279	7.278	(1.000)	160	269580			14.76- 74.76	43.54
73 Pentachlorobenzene						CAS #: 608-93-5		
7.442	7.441	(1.022)	250	65020	5.68343	1620	80.00- 120.00	100.00
7.442	7.441	(1.022)	252	43447			34.19- 94.19	66.82
7.441	7.441	(1.022)	108	19195			0.00- 56.91	29.52
77 1-Naphthylamine						CAS #: 134-32-7		
7.556	7.556	(1.038)	143	2678	0.24735	70.7	80.00- 120.00	100.00(QR)
7.557	7.556	(1.038)	115	2541			25.69- 85.69	94.88
7.559	7.556	(1.039)	89	5915			0.00- 42.05	220.87
78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2		
7.606	7.608	(1.045)	232	35207	5.60212	1600	80.00- 120.00	100.00
7.604	7.608	(1.045)	168	14208			0.00- 55.39	40.36

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
78 2,3,4,6-Tetrachlorophenol (continued)								
7.605	7.608	(1.045)	131	14197			10.24- 70.24	40.32
79 2-Naphthylamine						CAS #: 91-59-8		
7.632	7.635	(1.049)	143	23024	1.62234	464	80.00- 120.00	100.00
7.632	7.635	(1.049)	115	15073			28.12- 88.12	65.47
7.632	7.635	(1.049)	116	5367			0.00- 51.60	23.31
83 5-Nitro-ortho-toluidine						CAS #: 99-55-8		
7.828	7.831	(1.075)	152	39883	7.23595	2070	80.00- 120.00	100.00(R)
7.827	7.831	(1.075)	106	26437			43.78- 103.78	66.29
7.826	7.831	(1.075)	77	48600			97.61- 157.61	121.86
90 1,3,5-Trinitrobenzene						CAS #: 99-35-4		
8.206	8.193	(1.127)	75	17652	4.59925	1310	80.00- 120.00	100.00
8.206	8.193	(1.127)	74	9740			33.82- 93.82	55.18
8.204	8.193	(1.127)	213	5084			7.38- 67.38	28.80
89 Diallate						CAS #: 2303-16-4		
8.208	8.208	(1.128)	86	49298	6.41102	1830	80.00- 120.00	100.00(M)
8.208	8.208	(1.128)	43	56065			68.02- 128.02	113.73
8.208	8.208	(1.128)	234	33203			37.54- 97.54	67.35
92 Phenacetin						CAS #: 62-44-2		
8.230	8.241	(0.942)	109	66642	7.93623	2270	80.00- 120.00	100.00
8.230	8.241	(0.942)	108	67050			82.82- 142.82	100.61
8.231	8.241	(0.942)	179	41472			35.80- 95.80	62.23
91 p-Phenylenediamine						CAS #: 106-50-3		
8.230	8.240	(0.942)	108	67045	7.29096	2080	80.00- 120.00	100.00
8.229	8.240	(0.942)	80	17570			0.00- 58.29	26.21
8.230	8.240	(0.942)	53	8484			0.00- 42.90	12.65
97 Pentachloronitrobenzene						CAS #: 82-68-8		
8.566	8.564	(0.981)	237	27739	6.41030	1830	80.00- 120.00	100.00
8.566	8.564	(0.981)	295	10363			8.22- 68.22	37.36
8.565	8.564	(0.981)	142	18289			39.56- 99.56	65.93
98 4-Aminobiphenyl						CAS #: 92-67-1		
8.548	8.550	(0.979)	169	76628	3.67960	1050	80.00- 120.00	100.00
8.548	8.550	(0.979)	168	15683			0.00- 52.43	20.47
8.549	8.550	(0.979)	115	10592			0.00- 42.46	13.82
99 Pronamide						CAS #: 23950-58-5		
8.604	8.607	(0.985)	173	67859	6.55134	1870	80.00- 120.00	100.00
8.604	8.607	(0.985)	175	44082			34.07- 94.07	64.96
8.605	8.607	(0.985)	145	28165			8.89- 68.89	41.51
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.735	8.734	(1.000)	188	1205337	40.0000		80.00- 120.00	100.00
8.735	8.734	(1.000)	94	71286			0.00- 36.17	5.91
8.734	8.734	(1.000)	80	91897			0.00- 38.16	7.62

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
102 Dinoseb						CAS #: 88-85-7		
8.729	8.728	(0.999)	211	12701	5.05392	1440	80.00- 120.00	100.00
8.728	8.728	(0.999)	163	5133			9.36- 69.36	40.41
8.729	8.728	(0.999)	117	2655			0.00- 51.90	20.90
106 4-Nitroquinoline-1-oxide						CAS #: 56-57-5		
9.516	9.516	(1.089)	174	1685	5.26764	1510	80.00- 120.00	100.00(Q)
9.521	9.516	(1.090)	128	2008			218.15- 278.15	119.17
9.519	9.516	(1.090)	101	7829			337.85- 397.85	464.63
107 Methapyrilene						CAS #: 91-80-5		
9.586	9.583	(1.097)	97	43182	106.987	30600	80.00- 120.00	100.00(ARM)
9.586	9.583	(1.097)	58	42097			65.05- 125.05	97.49
9.591	9.583	(1.098)	191	10650			0.00- 47.68	24.66
108 Isodrin						CAS #: 465-73-6		
9.775	9.774	(1.119)	193	25895	7.04933	2020	80.00- 120.00	100.00
9.773	9.774	(1.119)	66	25927			57.56- 117.56	100.12
9.775	9.774	(1.119)	195	23275			51.95- 111.95	89.88
113 Aramite						CAS #: 140-57-8		
10.344	10.345	(0.913)	185	27233	6.47901	1850	80.00- 120.00	100.00(M)
10.344	10.345	(0.913)	191	12836			21.26- 81.26	47.13
10.270	10.345	(0.906)	319	8291			5.26- 65.26	30.45
114 p-Dimethylamino azobenzene						CAS #: 60-11-7		
10.434	10.435	(0.921)	225	54505	5.26058	1500	80.00- 120.00	100.00
10.433	10.435	(0.921)	120	47845			64.36- 124.36	87.78
10.432	10.435	(0.921)	77	58357			73.56- 133.56	107.07
115 Chlorobenzilate						CAS #: 510-15-6		
10.476	10.478	(0.924)	251	92793	5.79338	1660	80.00- 120.00	100.00
10.476	10.478	(0.924)	253	56377			33.47- 93.47	60.76
10.474	10.478	(0.924)	139	88031			59.42- 119.42	94.87
117 3,3-Dimethylbenzidine						CAS #: 119-93-7		
10.764	10.767	(0.950)	212	10400	0.33044	94.5	80.00- 120.00	100.00(R)
10.767	10.767	(0.950)	106	3084			0.00- 36.50	29.65
10.763	10.767	(0.950)	180	773			0.00- 37.81	7.43
119 2-Acetylaminofluorene						CAS #: 53-96-3		
11.012	11.015	(0.972)	181	96854	5.33750	1530	80.00- 120.00	100.00(M)
11.012	11.015	(0.972)	223	68971			34.36- 94.36	71.21
11.012	11.015	(0.972)	180	91853			55.41- 115.41	94.84
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.332	11.327	(1.000)	240	1760721	40.0000		80.00- 120.00	100.00
11.331	11.327	(1.000)	120	101700			0.00- 35.19	5.78
11.332	11.327	(1.000)	236	461360			0.00- 56.66	26.20
126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.294	12.295	(0.972)	256	137652	6.35333	1820	80.00- 120.00	100.00(QM)
12.296	12.295	(0.972)	241	30613			26.61- 86.61	22.24

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
126 7,12-Dimethylbenz(a)anthracen (continued)								
12.261	12.295	(0.969)	239	603			16.19- 76.19	0.44
* 130 Perylene-d12							CAS #: 1520-96-3	
12.653	12.650	(1.000)	264	1522065	40.0000		80.00- 120.00	100.00
12.653	12.650	(1.000)	260	353409			0.00- 54.55	23.22
12.653	12.650	(1.000)	265	350070			0.00- 53.02	23.00
131 3-Methylcholanthrene							CAS #: 56-49-5	
12.909	12.915	(1.020)	268	132350	5.42376	1550	80.00- 120.00	100.00(QM)
12.958	12.915	(1.024)	252	931			14.06- 74.06	0.70
12.871	12.915	(1.017)	253	660			8.21- 68.21	0.50
132 Dibenz(a,j)acridine							CAS #: 224-42-0	
13.497	13.501	(1.067)	279	180209	5.13395	1470	80.00- 120.00	100.00
13.495	13.501	(1.067)	280	46383			0.00- 54.38	25.74
13.496	13.501	(1.067)	277	54509			0.00- 45.49	30.25

QC Flag Legend

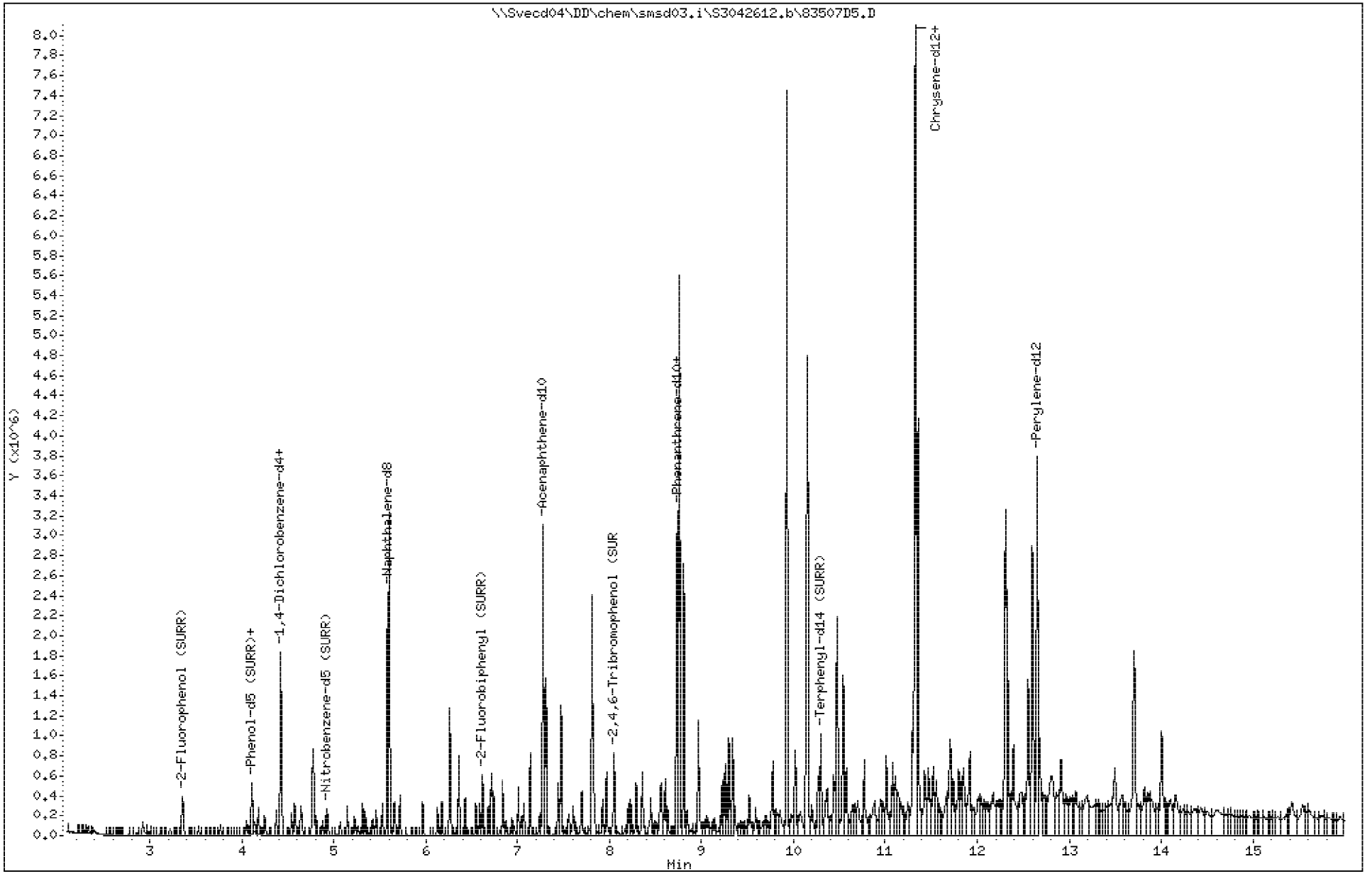
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D
Date : 26-APR-2012 19:10
Client ID: EPAFMC-SD-01MS
Sample Info: sw350583507

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2441

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

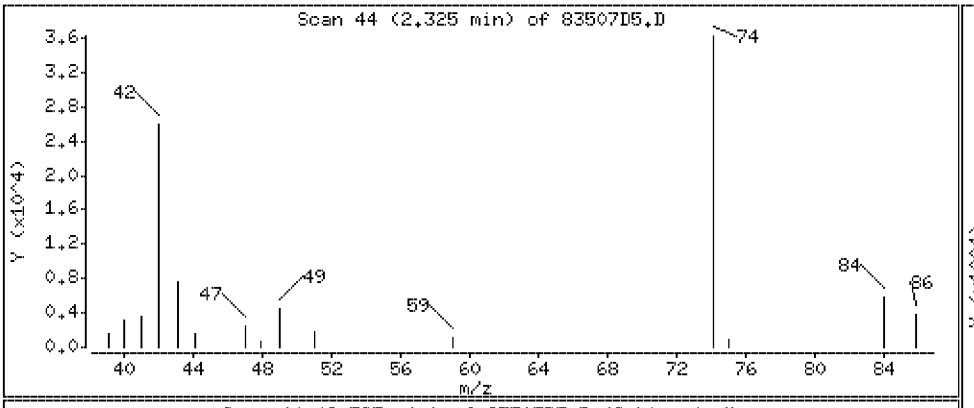
Operator: PEL

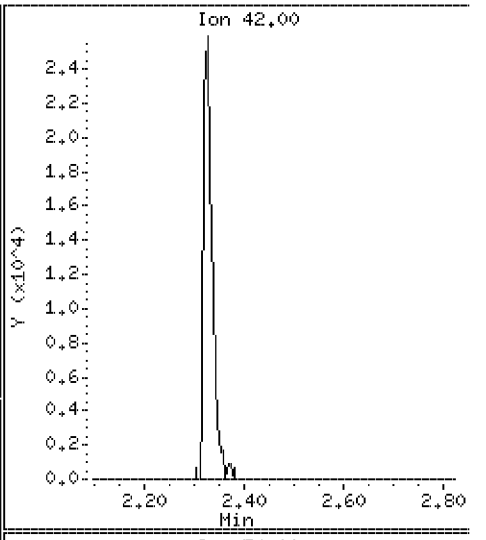
Column phase: HPMS-5

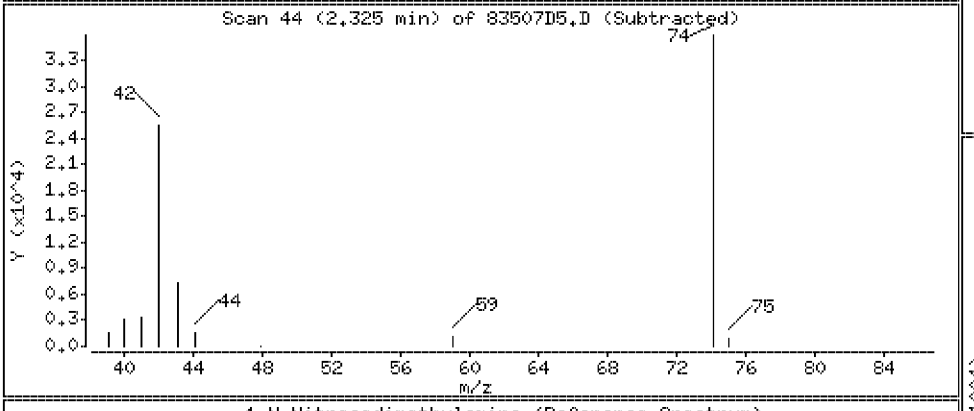
Column diameter: 0.25

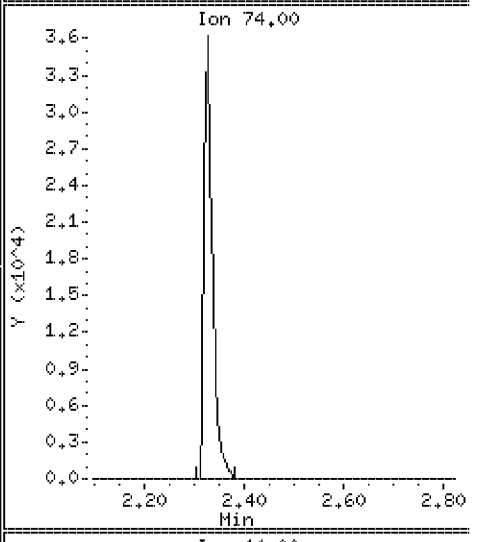
1 N-Nitrosodimethylamine

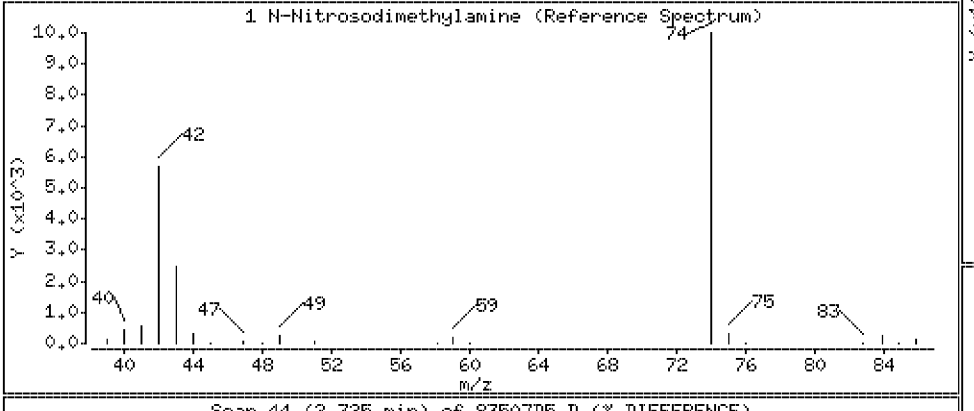
Concentration: 1950 ug/kg

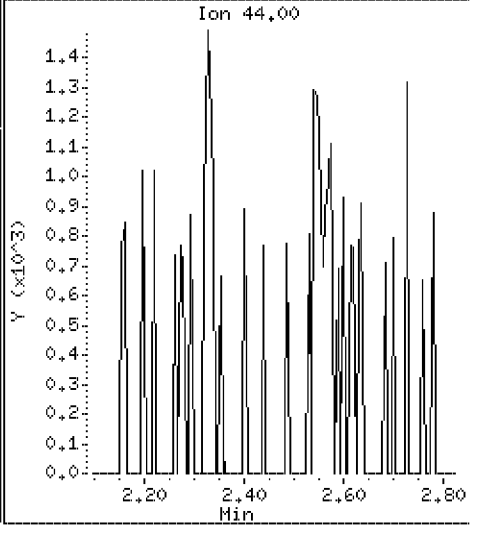


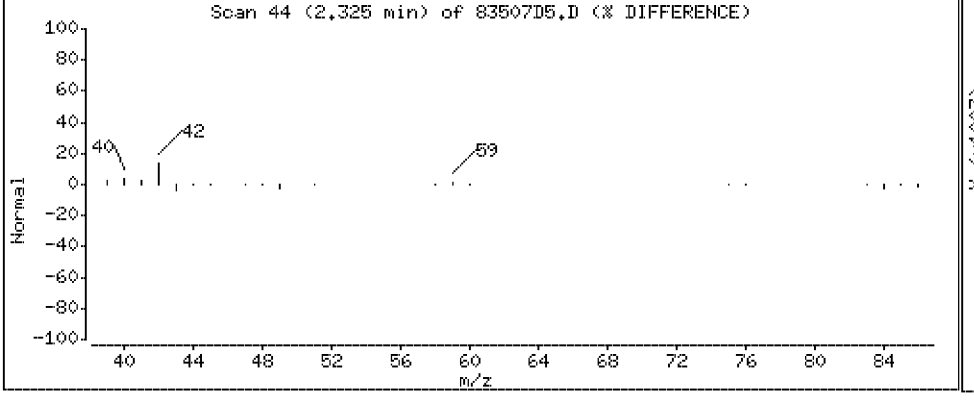












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

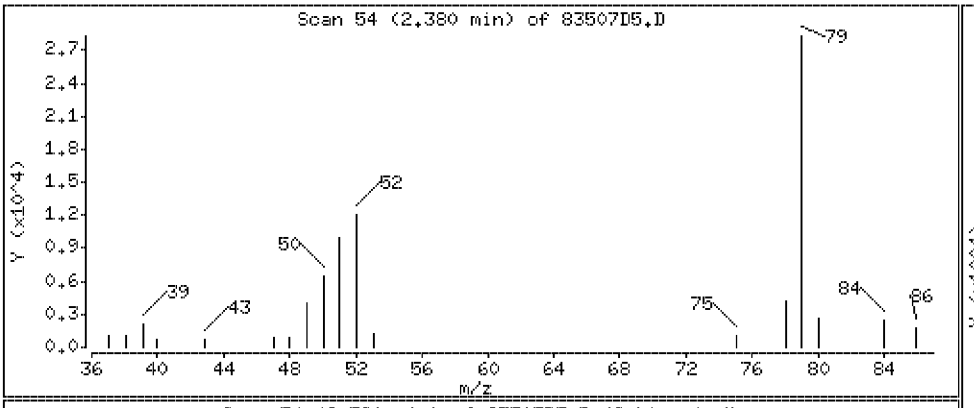
Operator: PEL

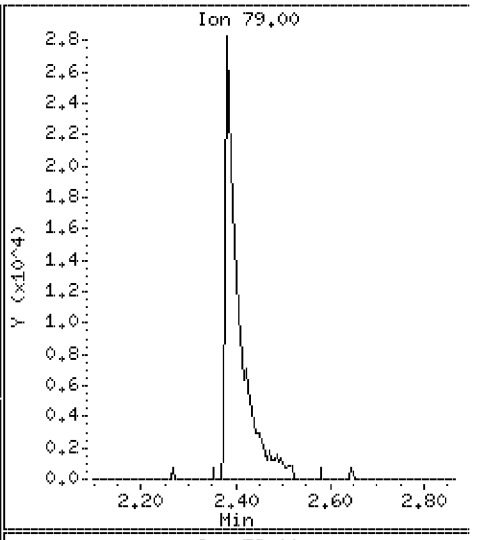
Column phase: HPMS-5

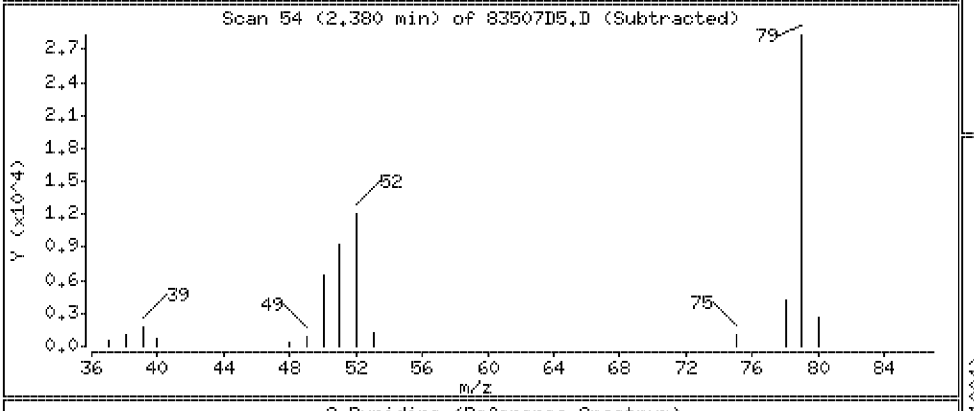
Column diameter: 0.25

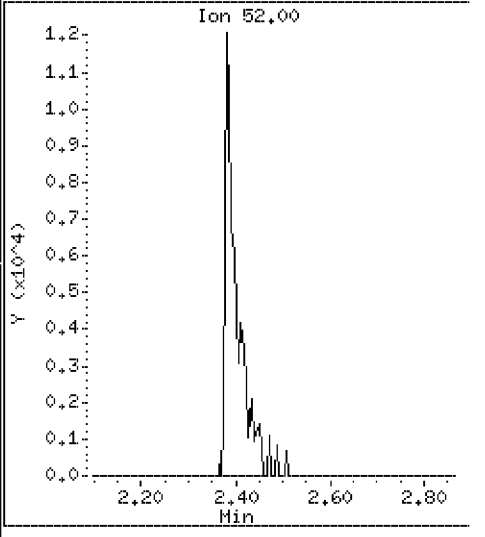
2 Pyridine

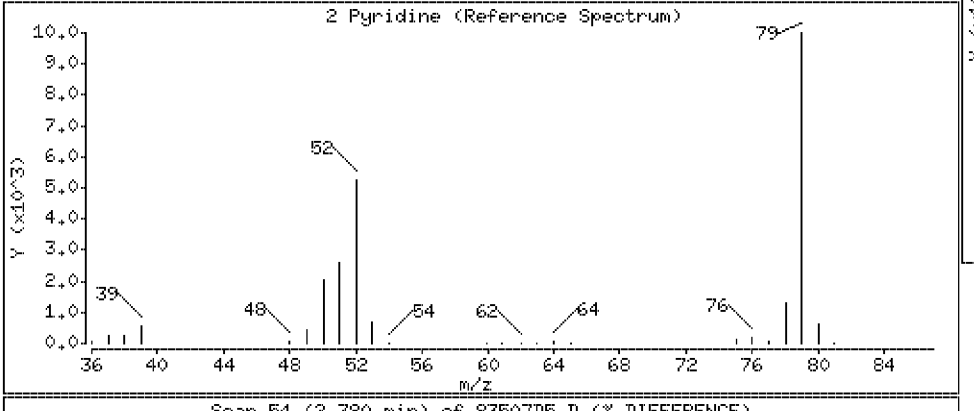
Concentration: 1620 ug/kg

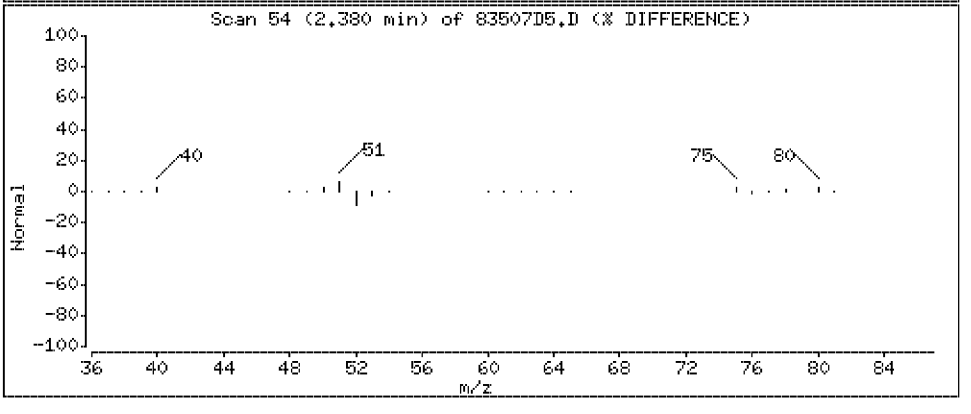












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

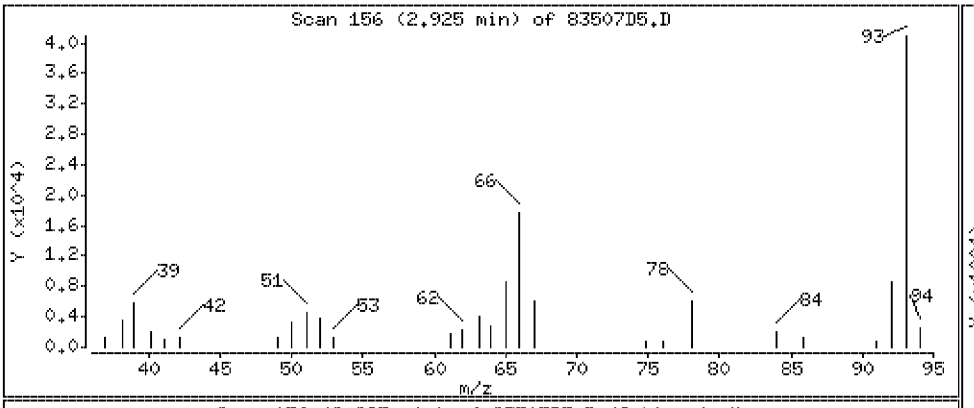
Operator: PEL

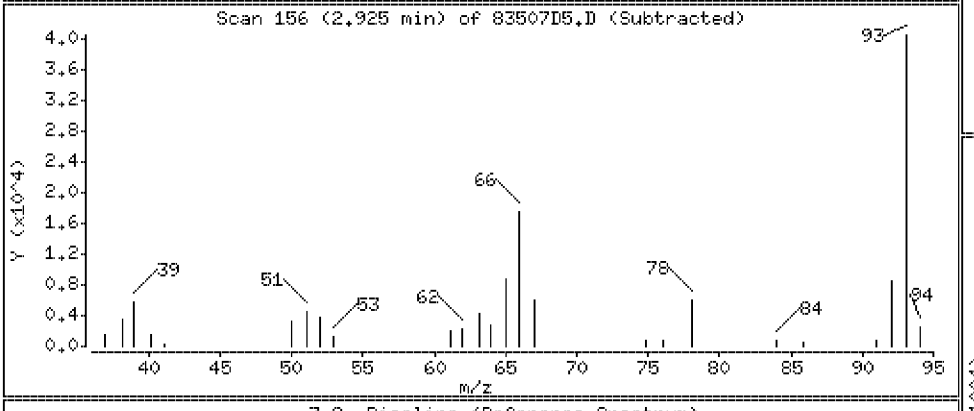
Column phase: HPMS-5

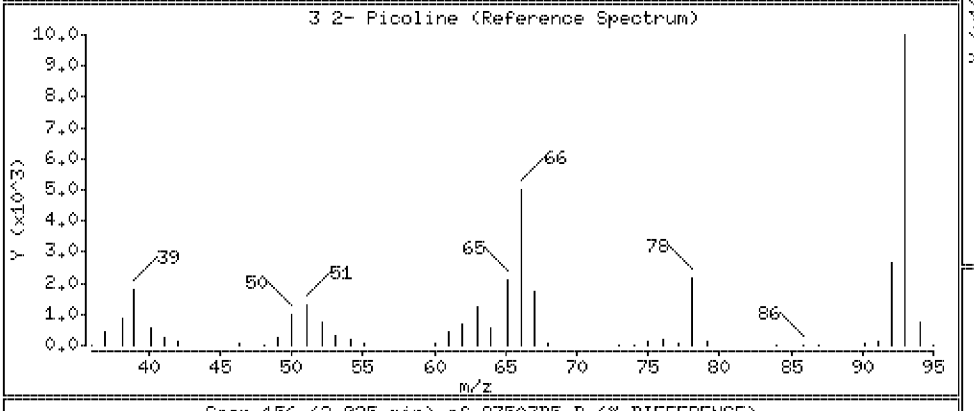
Column diameter: 0.25

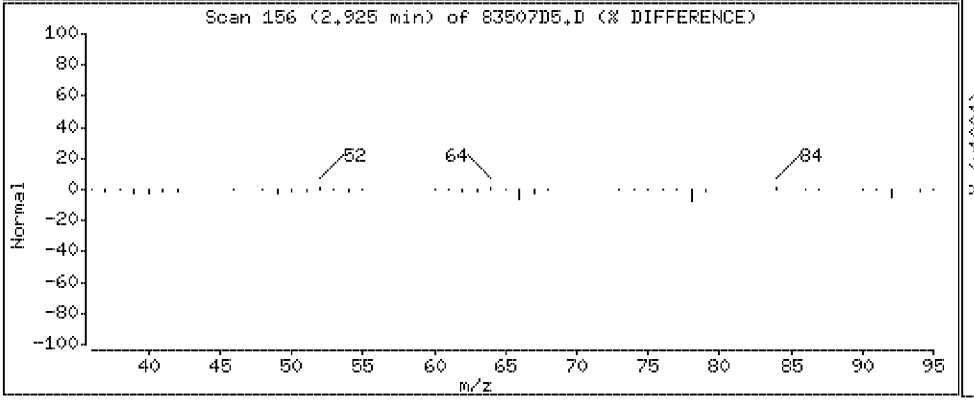
3 2- Picoline

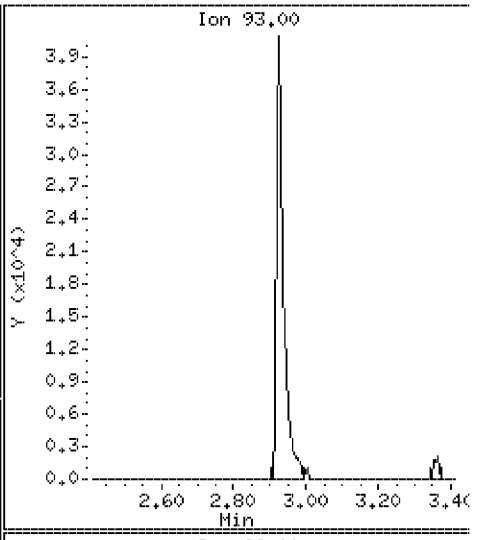
Concentration: 1680 ug/kg

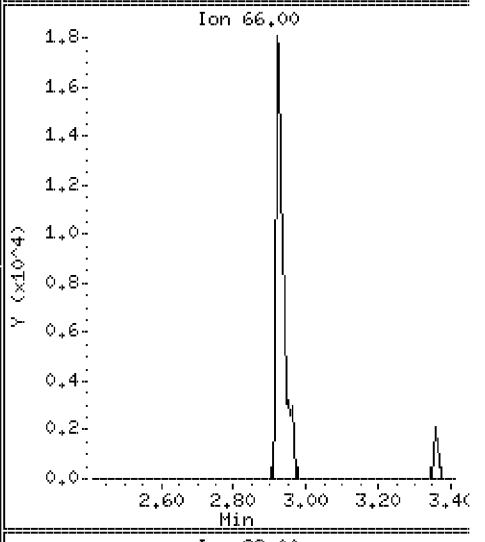


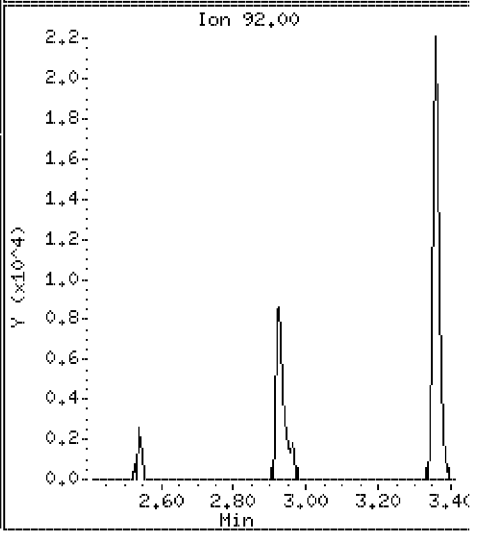












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

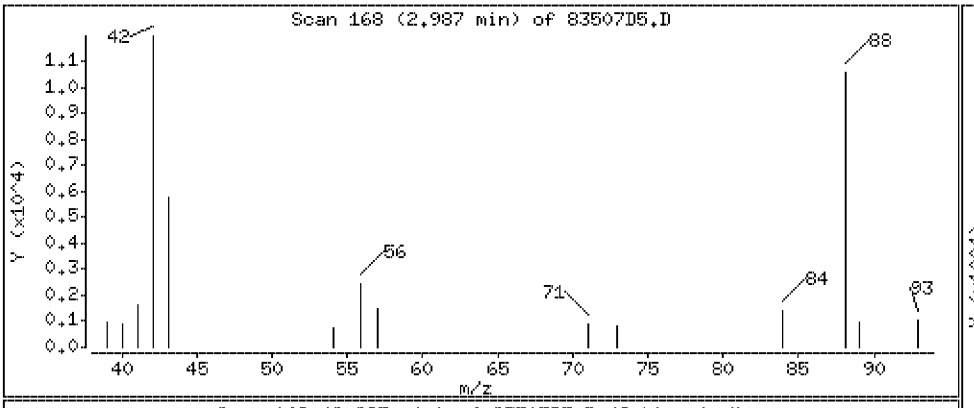
Operator: PEL

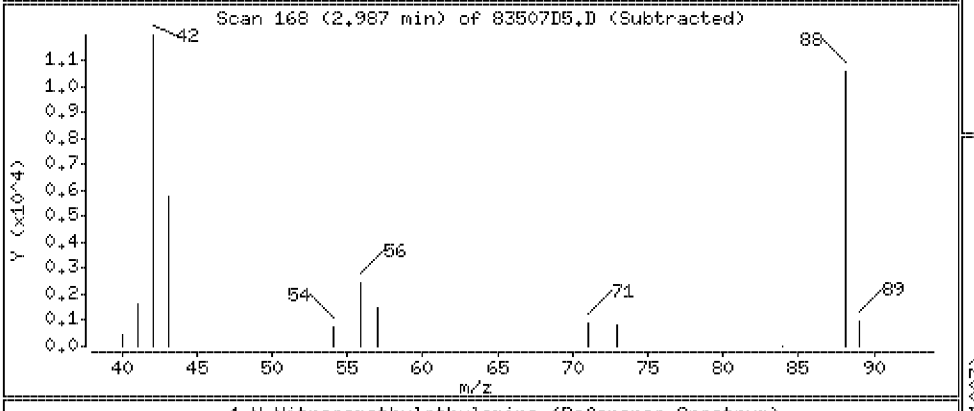
Column phase: HPMS-5

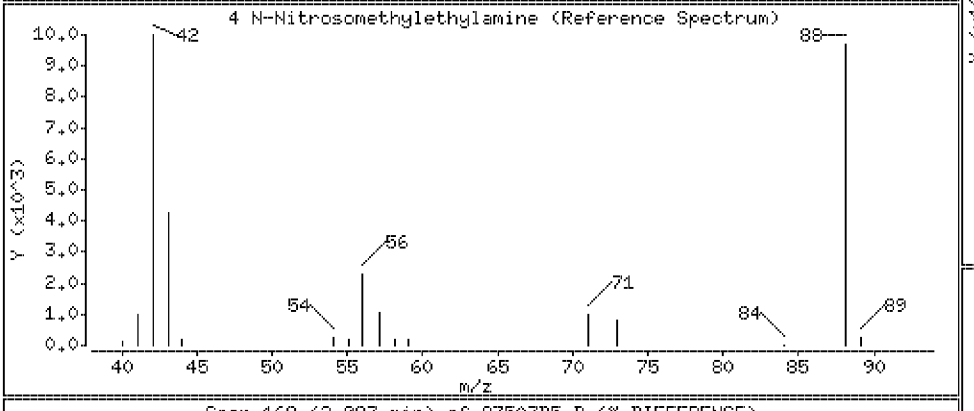
Column diameter: 0.25

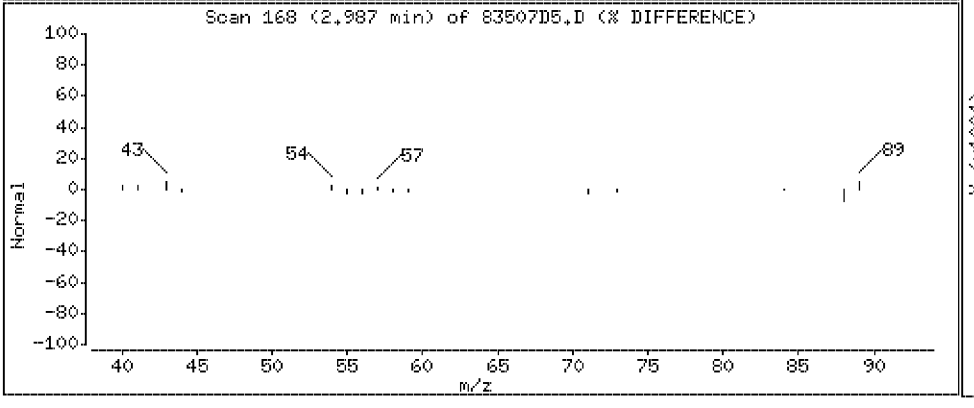
4 N-Nitrosomethylethylamine

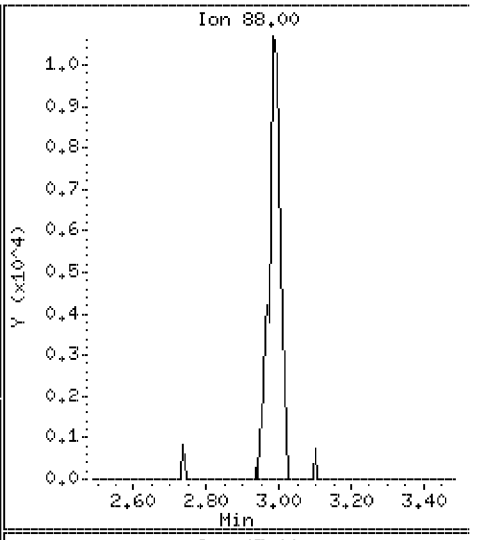
Concentration: 1690 ug/kg

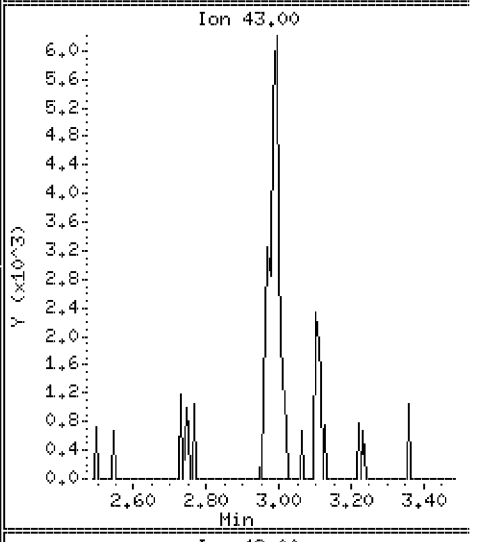


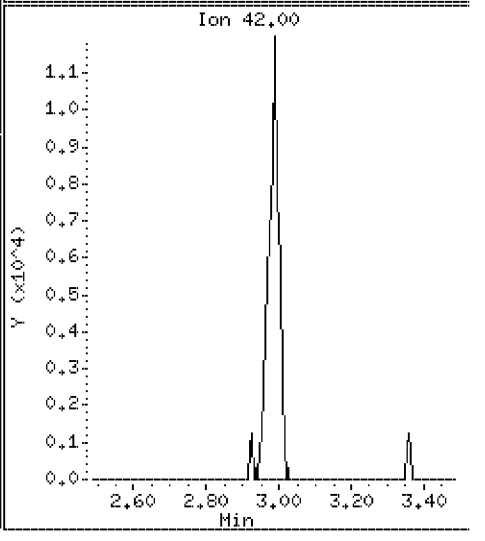












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

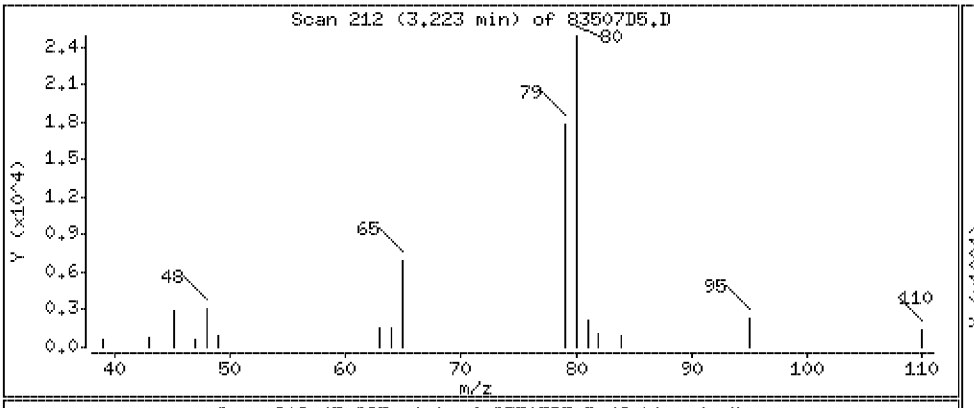
Operator: PEL

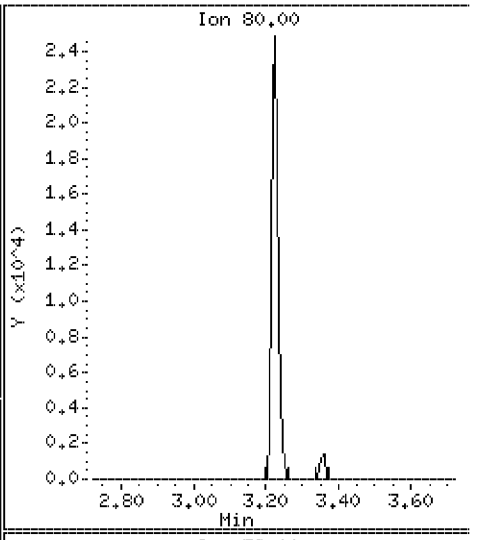
Column phase: HPMS-5

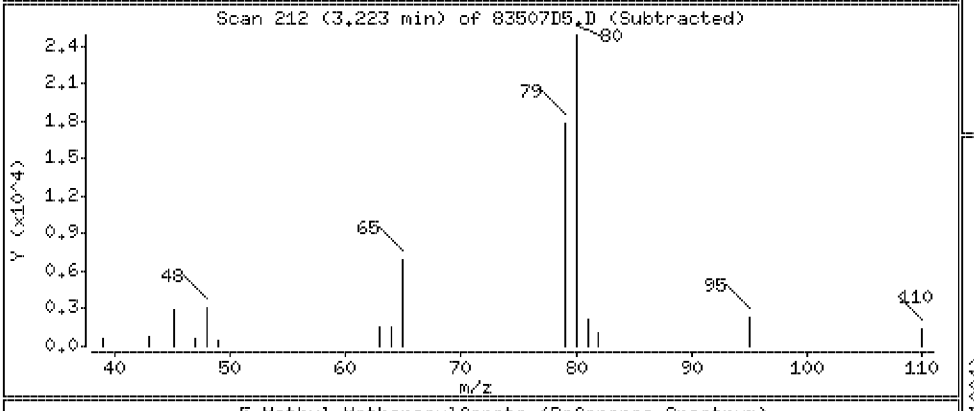
Column diameter: 0.25

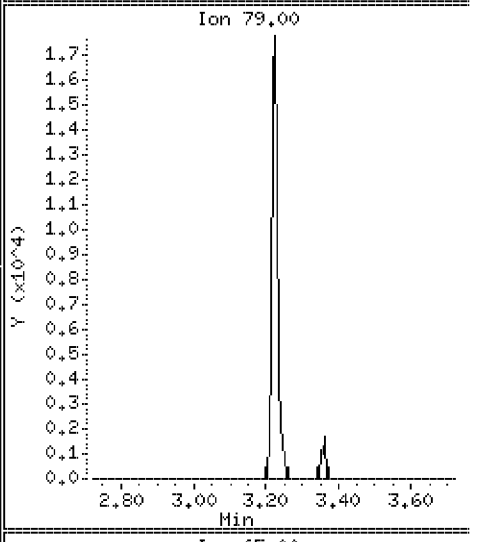
5 Methyl Methanesulfonate

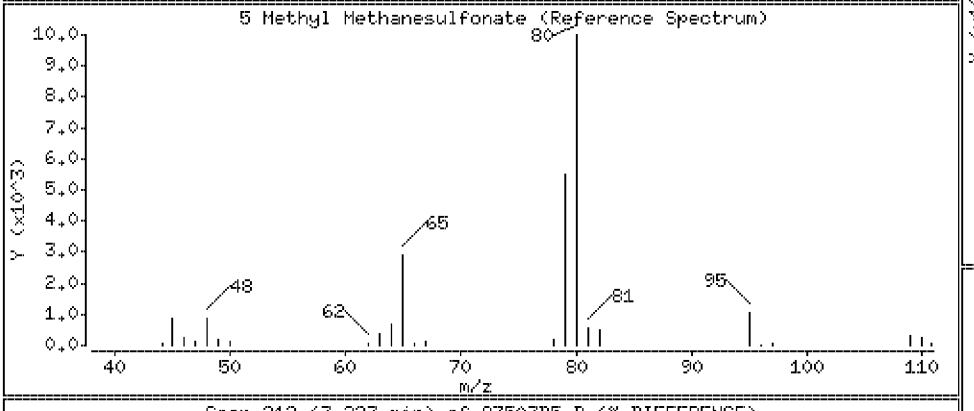
Concentration: 1310 ug/kg

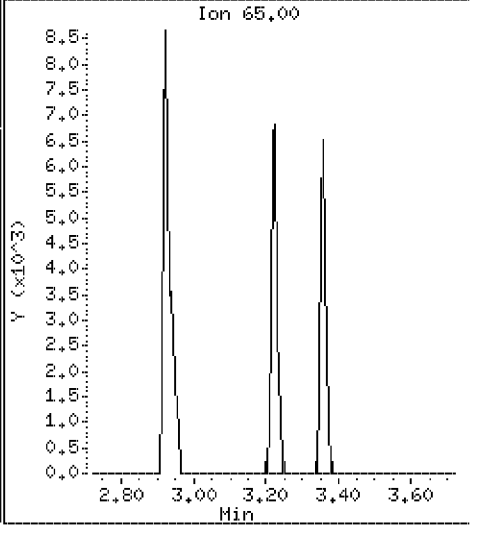


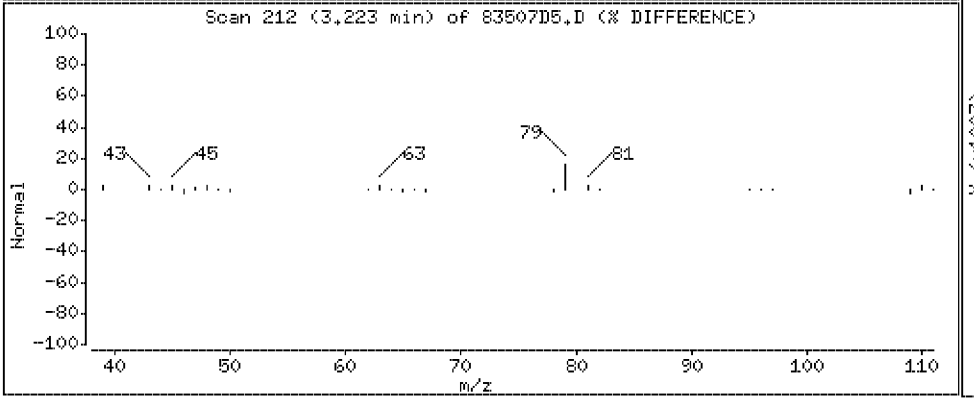












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

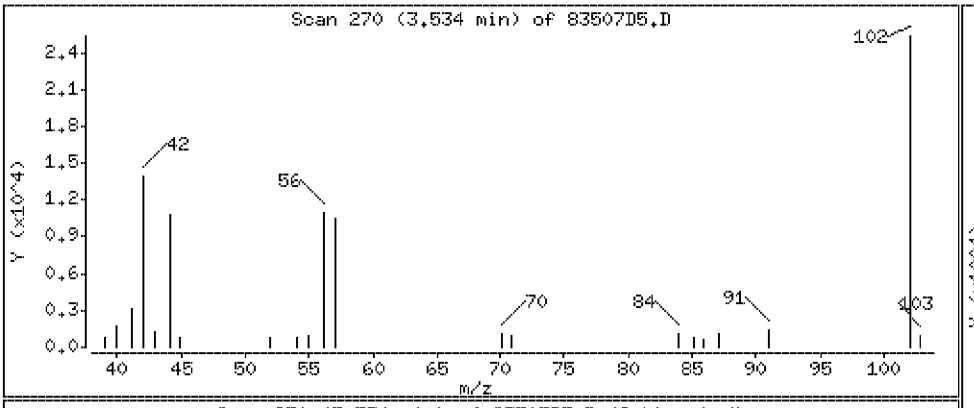
Operator: PEL

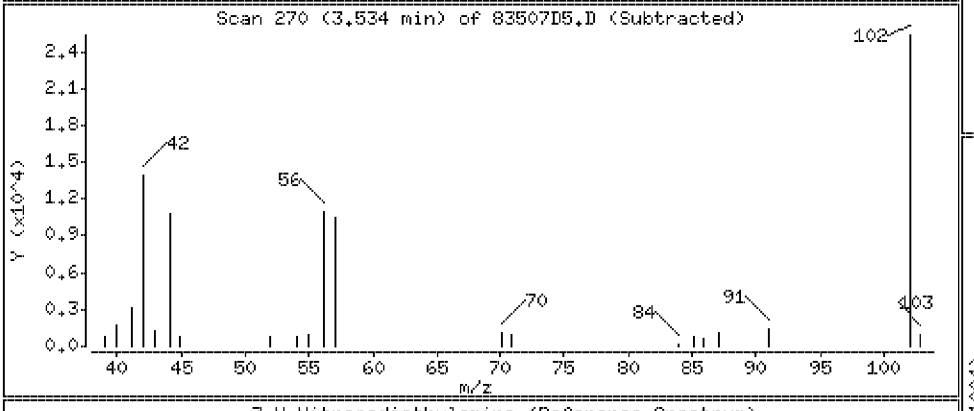
Column phase: HPMS-5

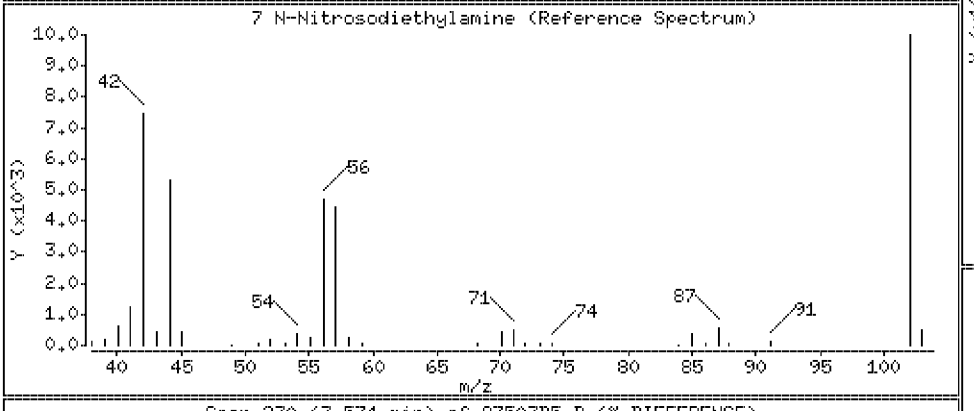
Column diameter: 0.25

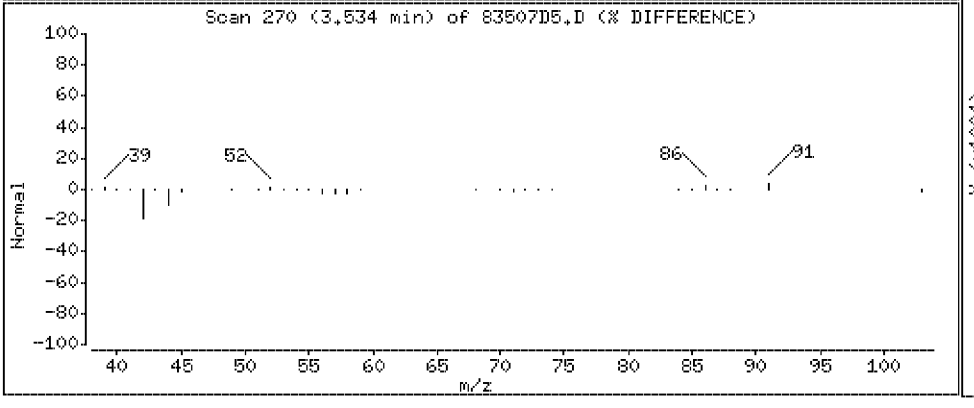
7 N-Nitrosodiethylamine

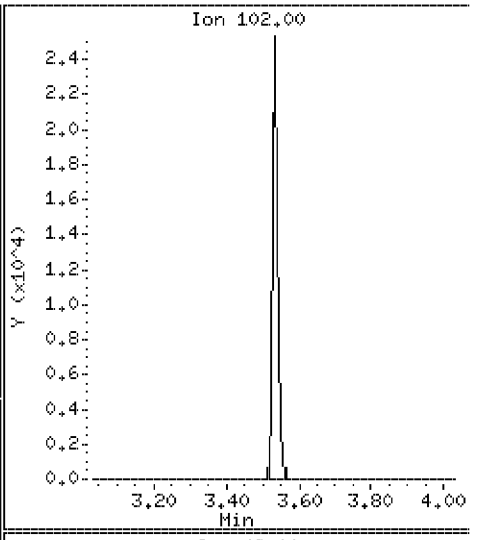
Concentration: 1690 ug/kg

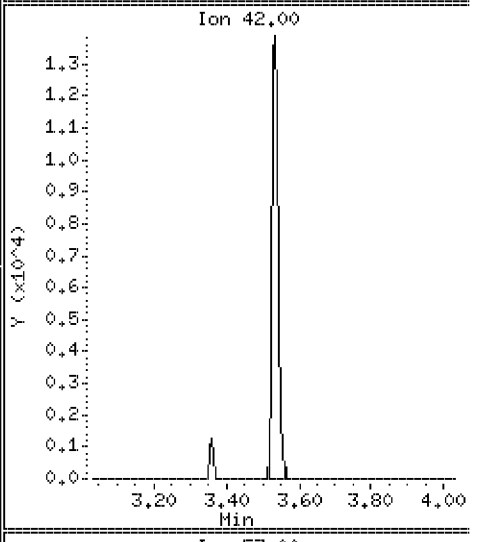


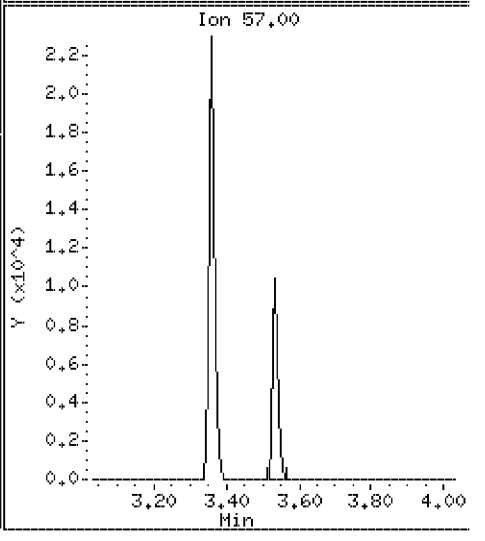












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

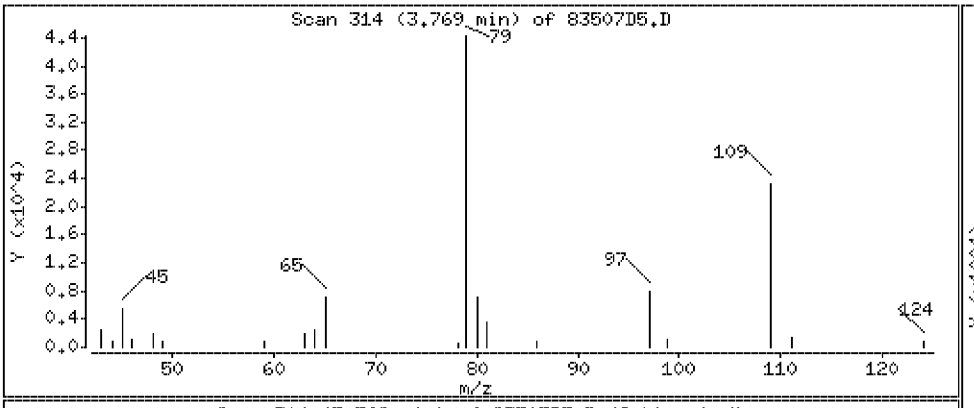
Operator: PEL

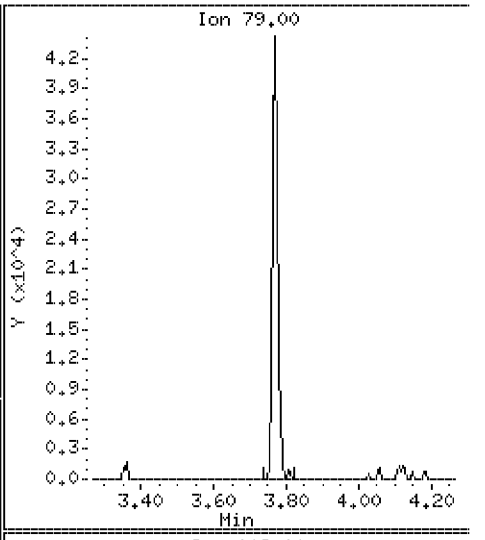
Column phase: HPMS-5

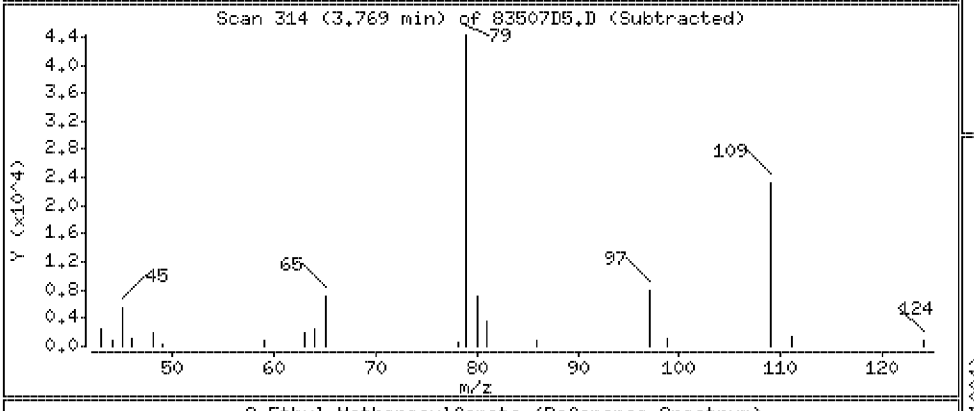
Column diameter: 0.25

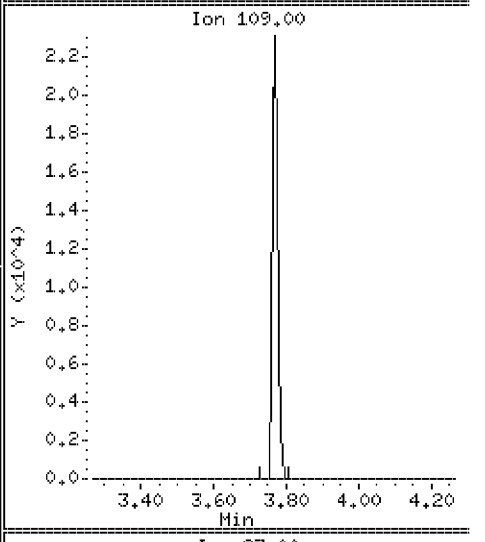
8 Ethyl Methanesulfonate

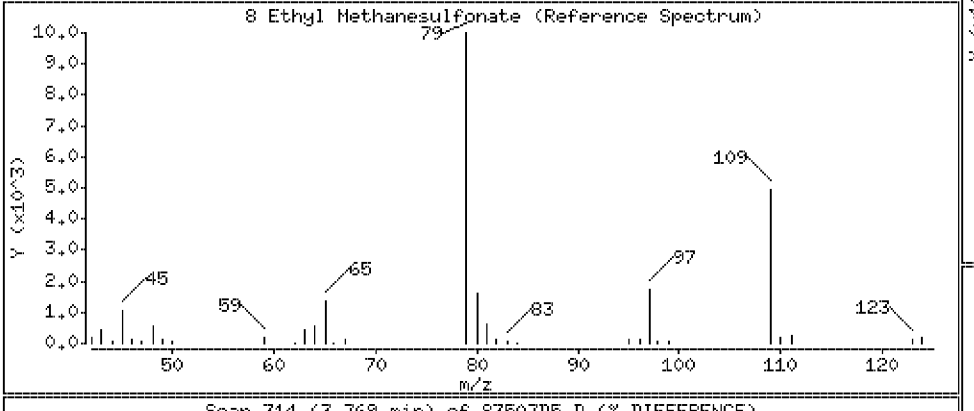
Concentration: 1860 ug/kg

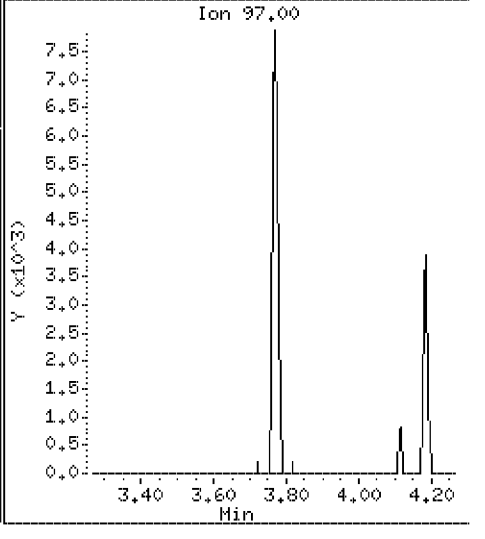


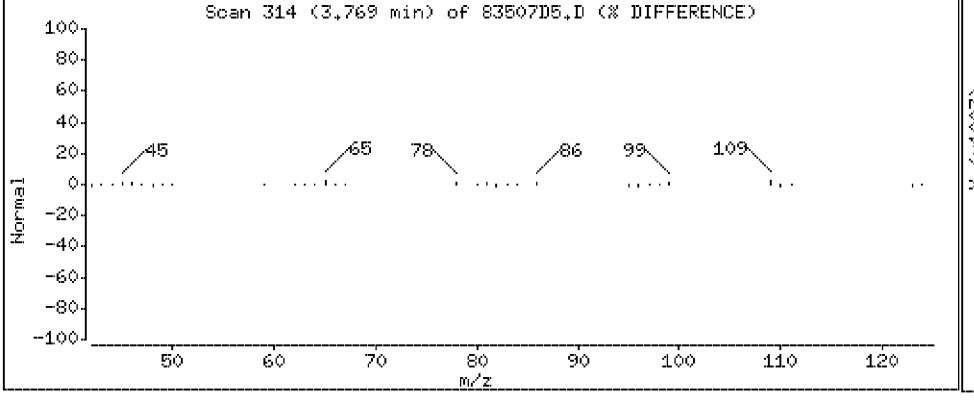












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

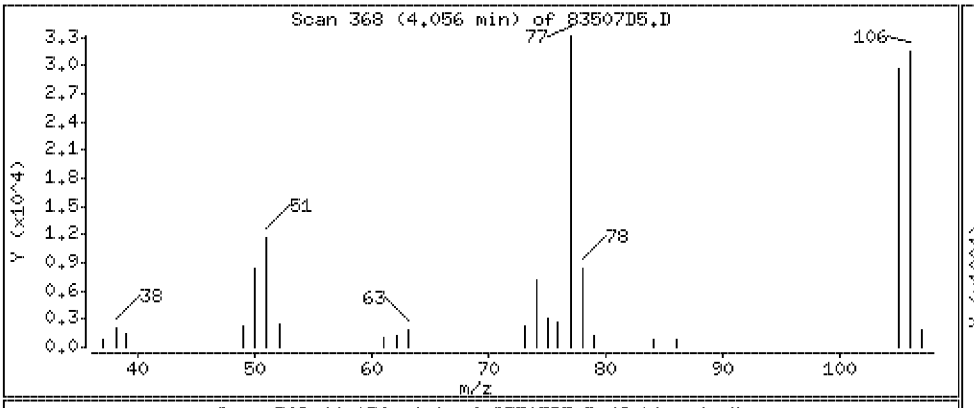
Operator: PEL

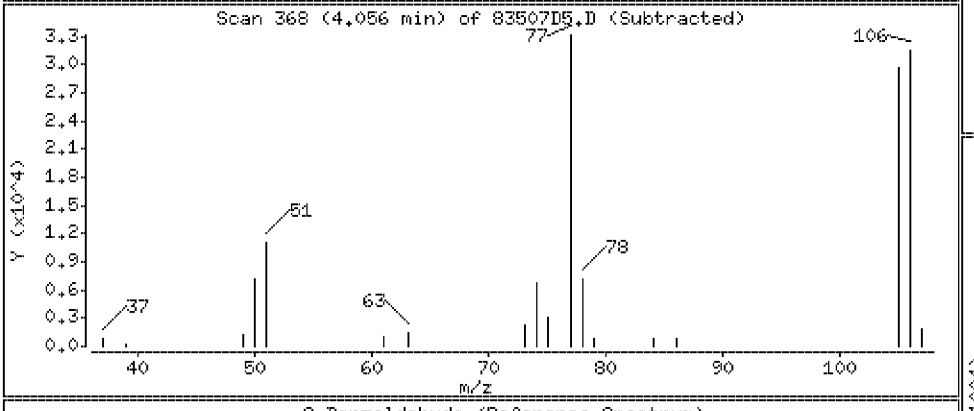
Column phase: HPMS-5

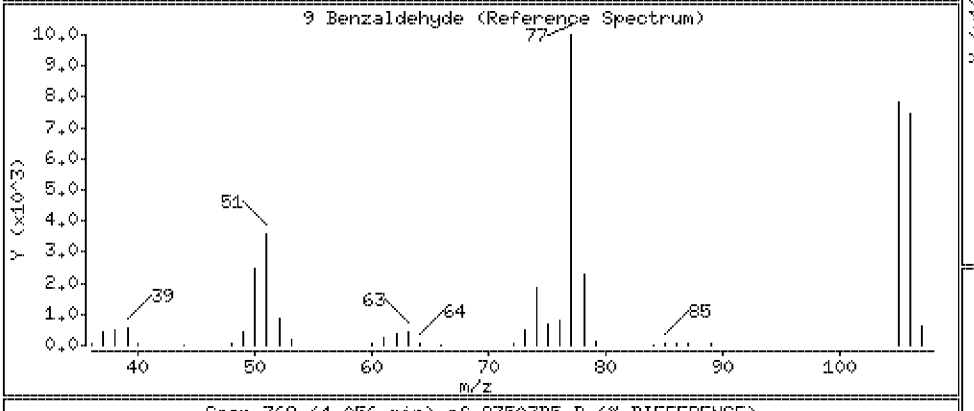
Column diameter: 0.25

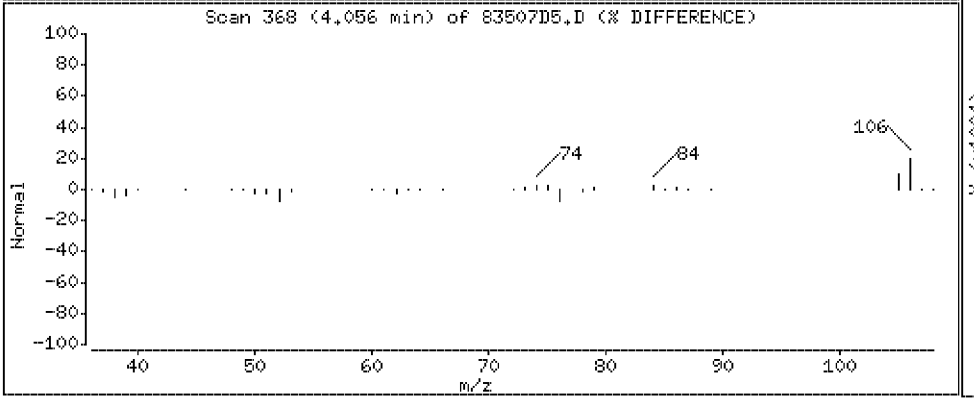
9 Benzaldehyde

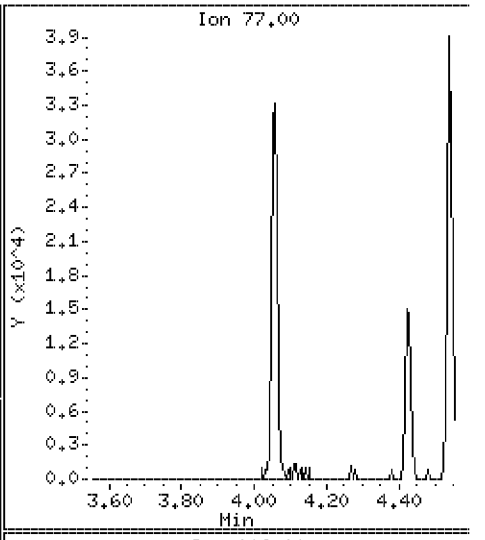
Concentration: 1370 ug/kg

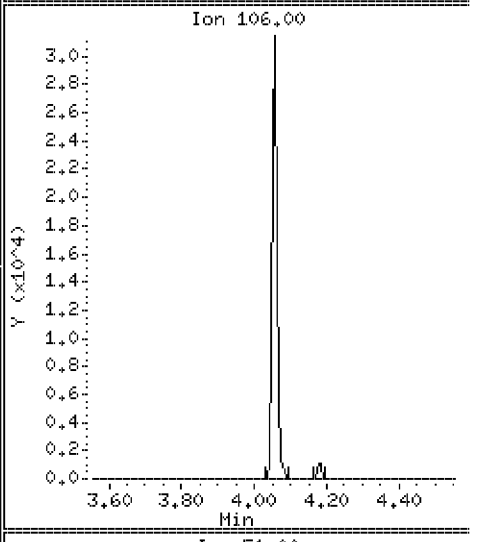


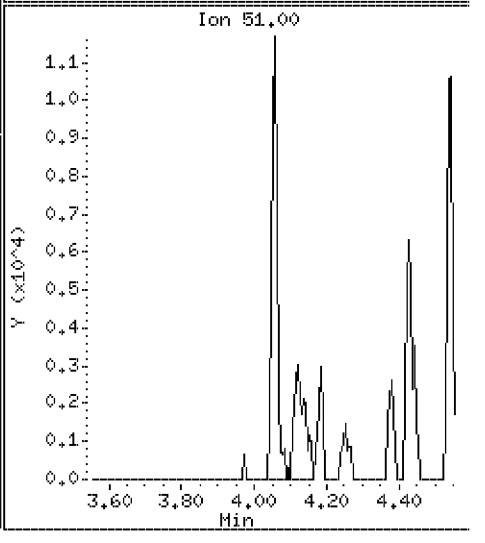












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

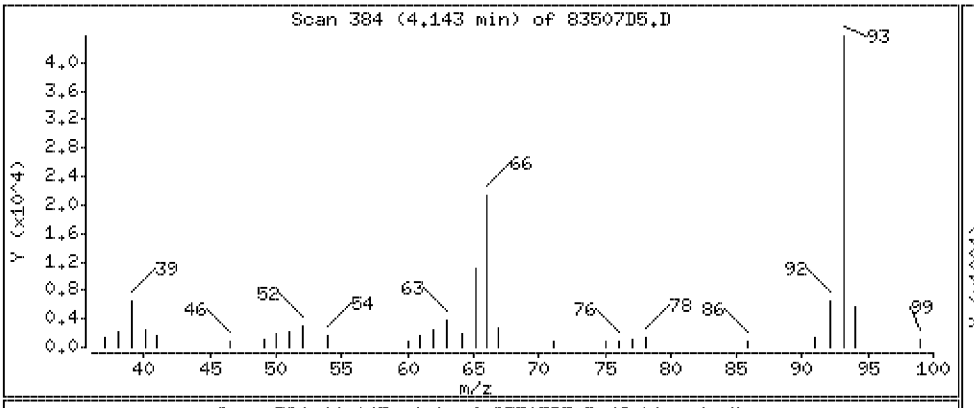
Operator: PEL

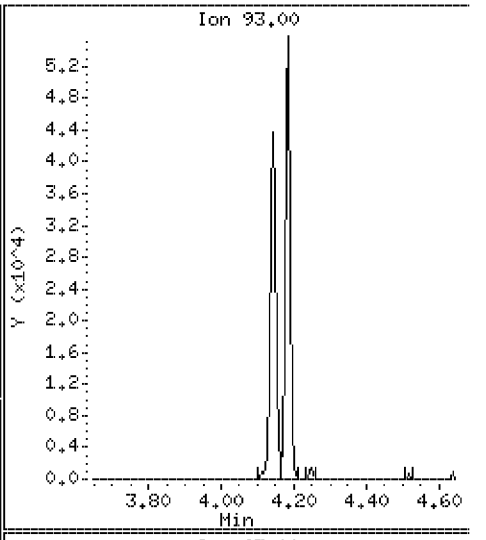
Column phase: HPMS-5

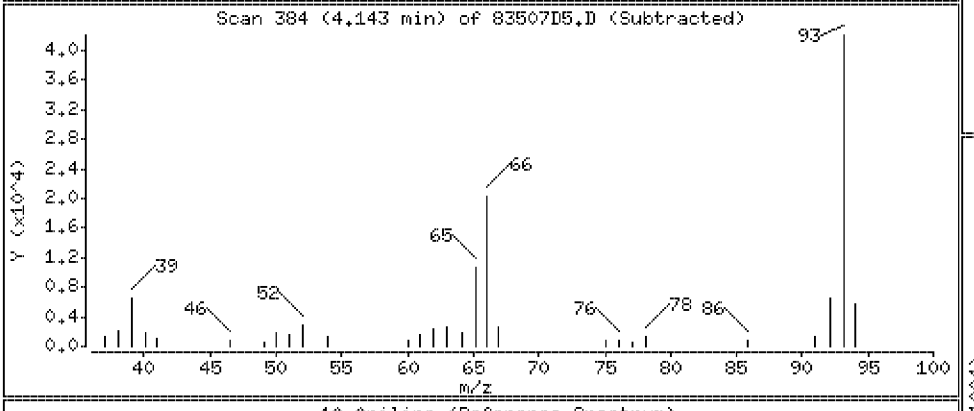
Column diameter: 0.25

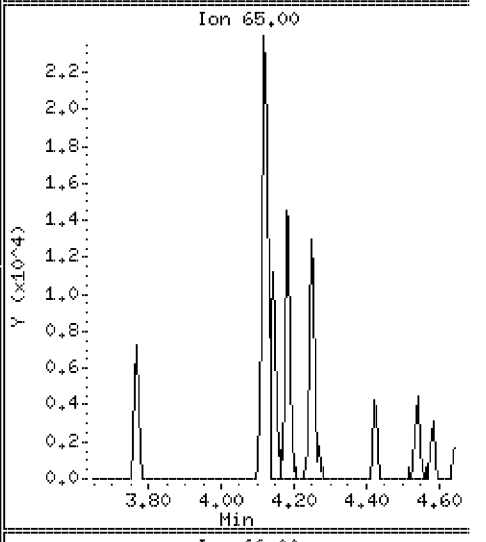
10 Aniline

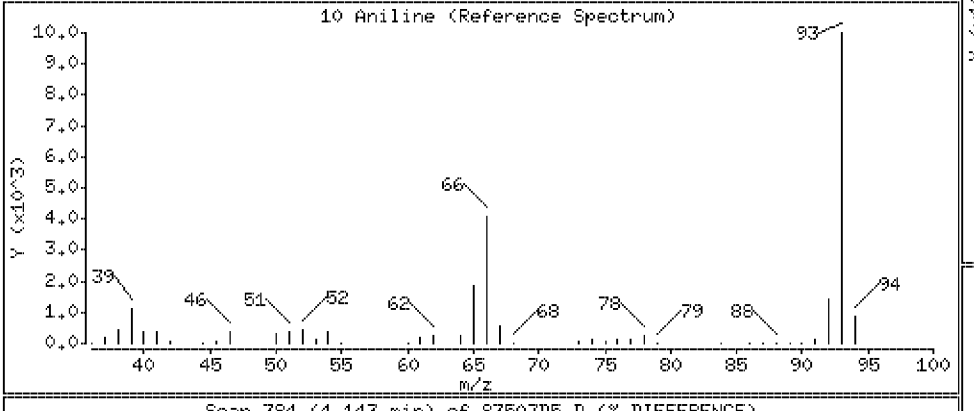
Concentration: 1130 ug/kg

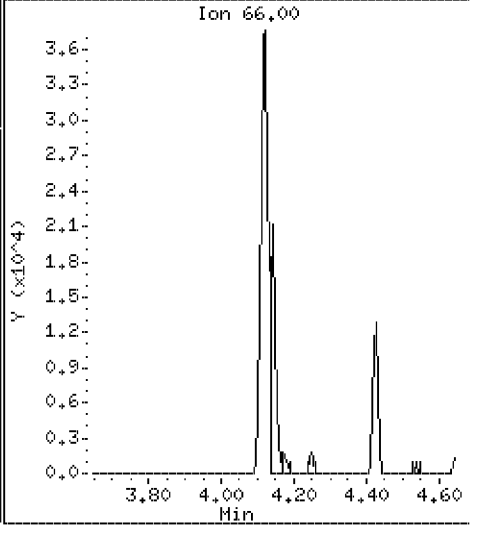


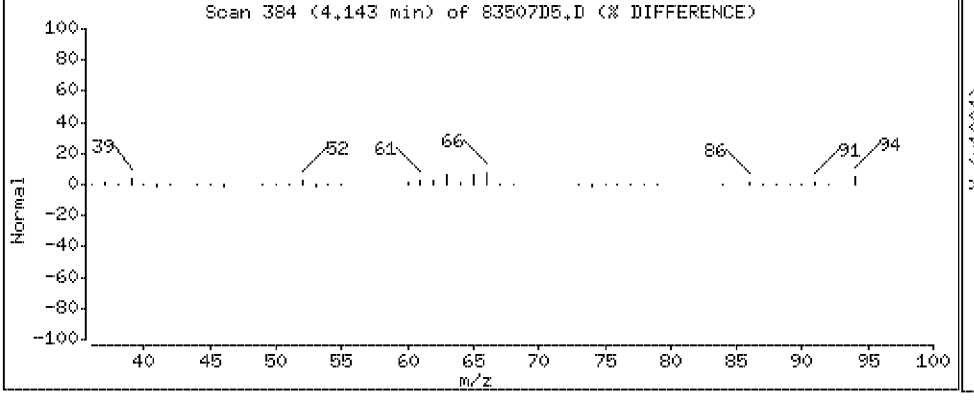












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

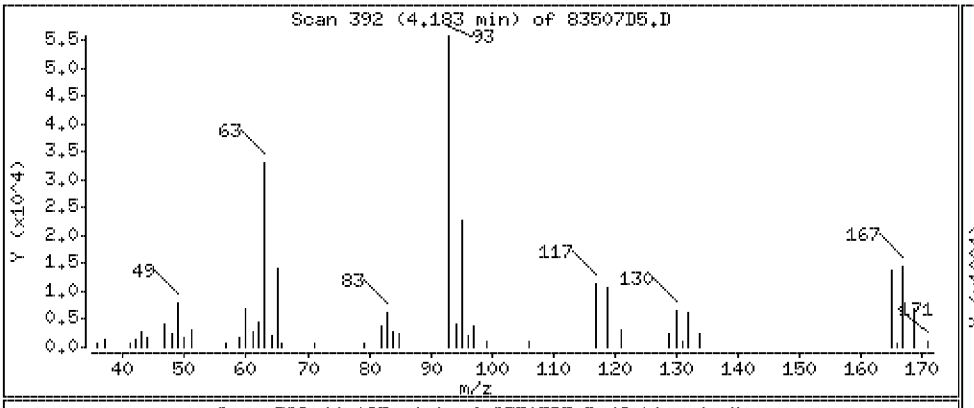
Operator: PEL

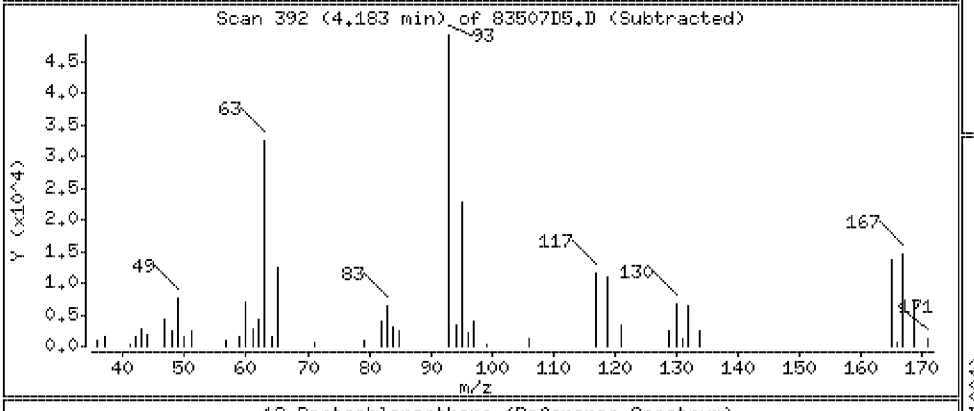
Column phase: HPMS-5

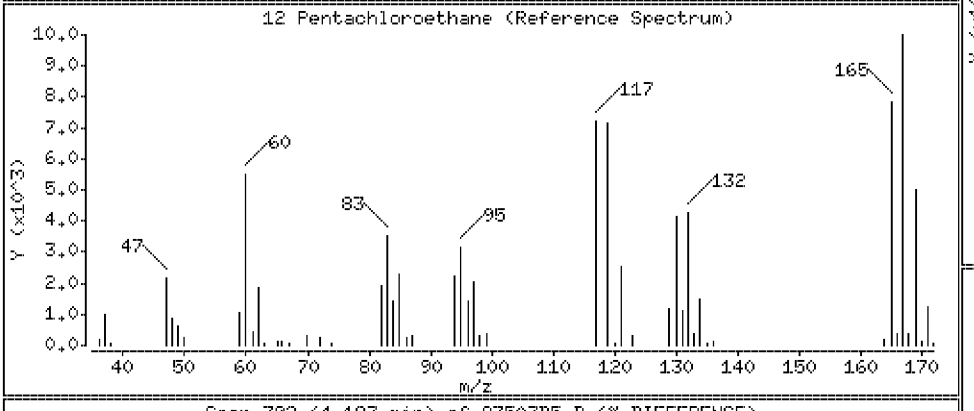
Column diameter: 0.25

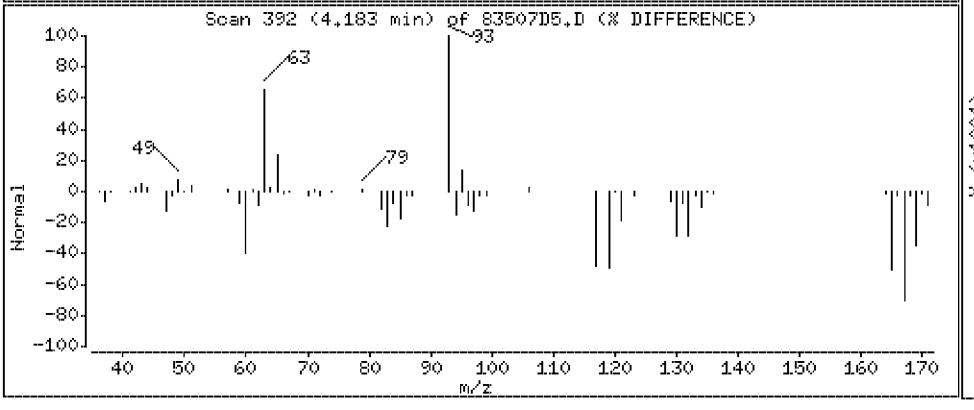
12 Pentachloroethane

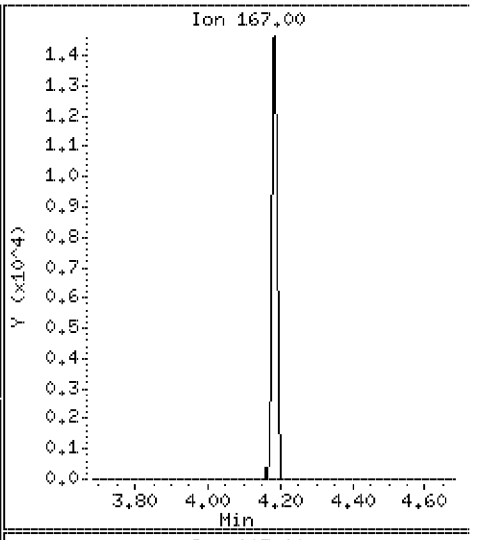
Concentration: 1070 ug/kg

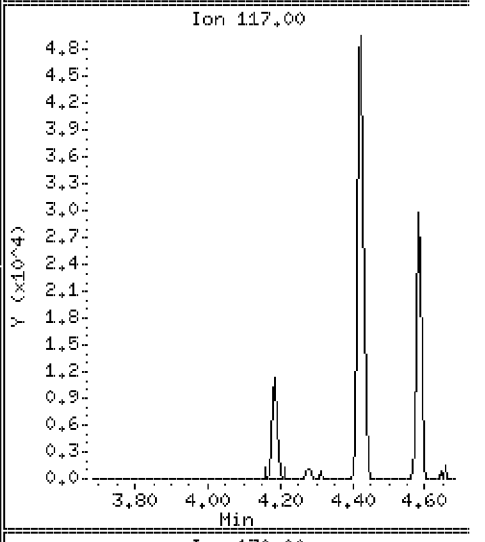


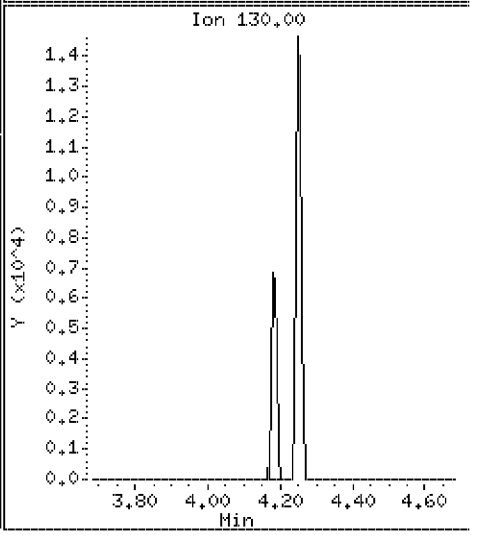












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

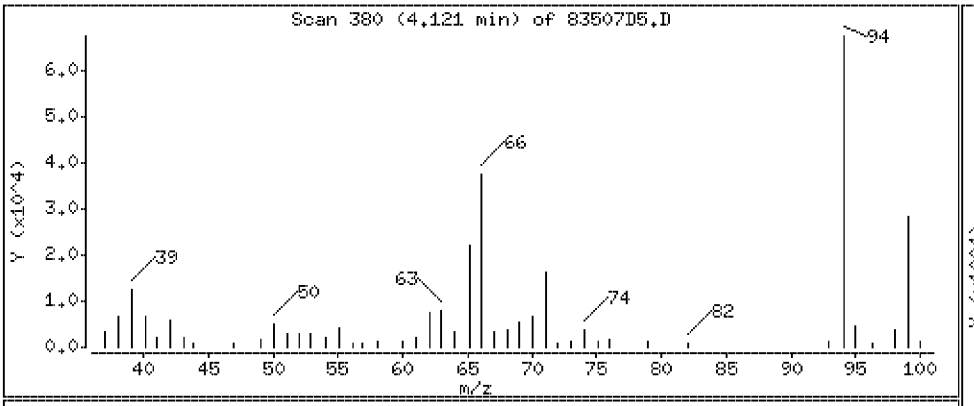
Operator: PEL

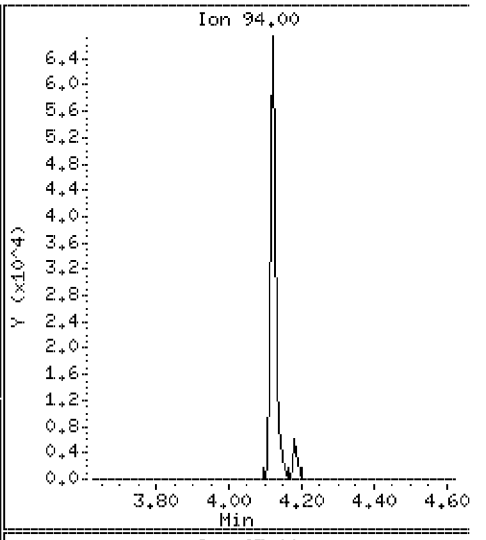
Column phase: HPMS-5

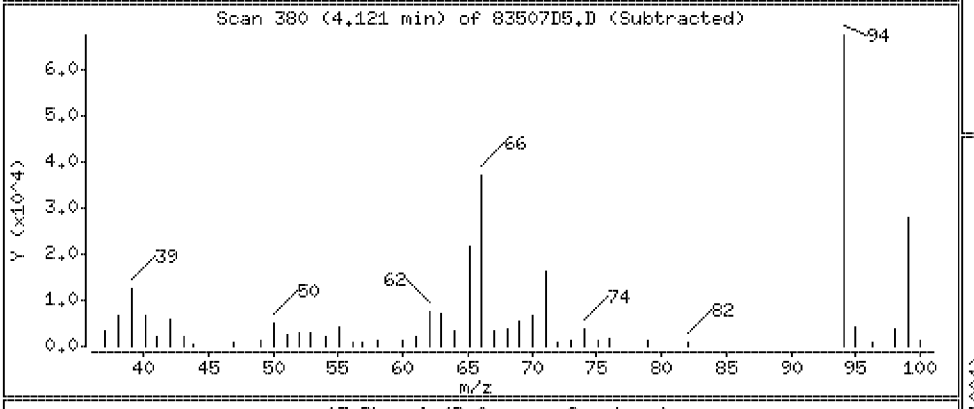
Column diameter: 0.25

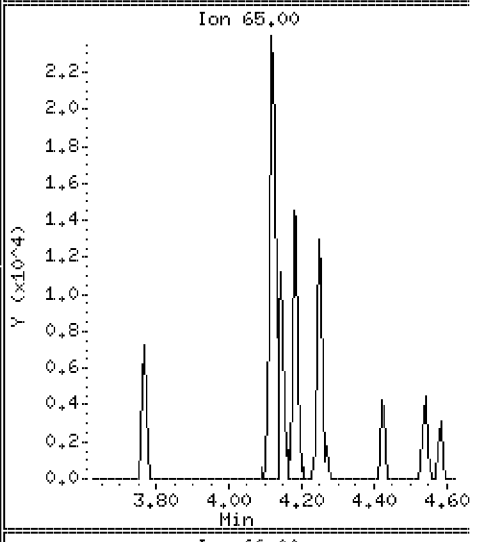
13 Phenol

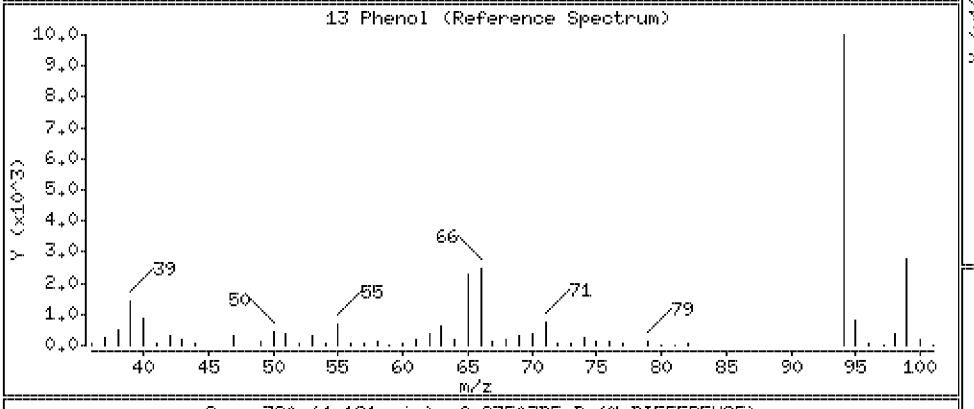
Concentration: 1740 ug/kg

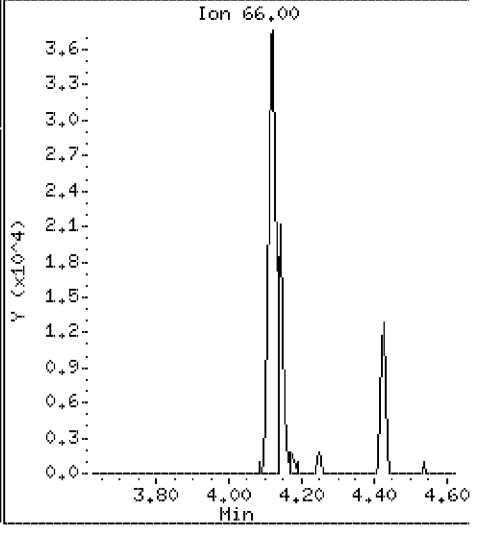


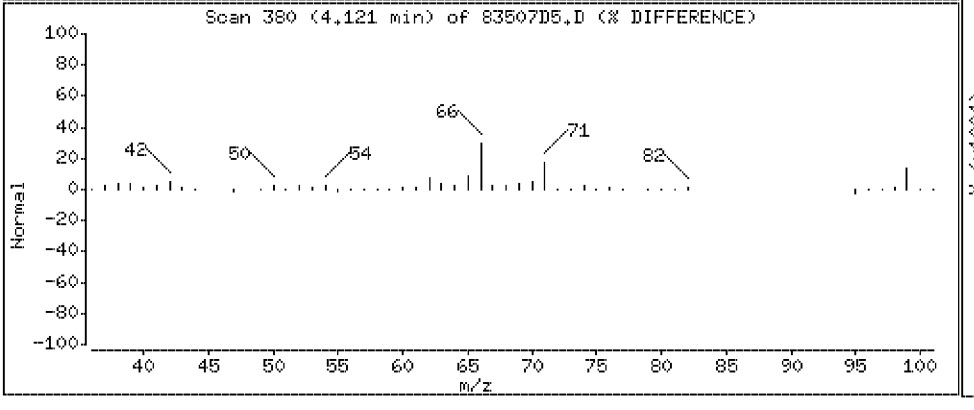












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

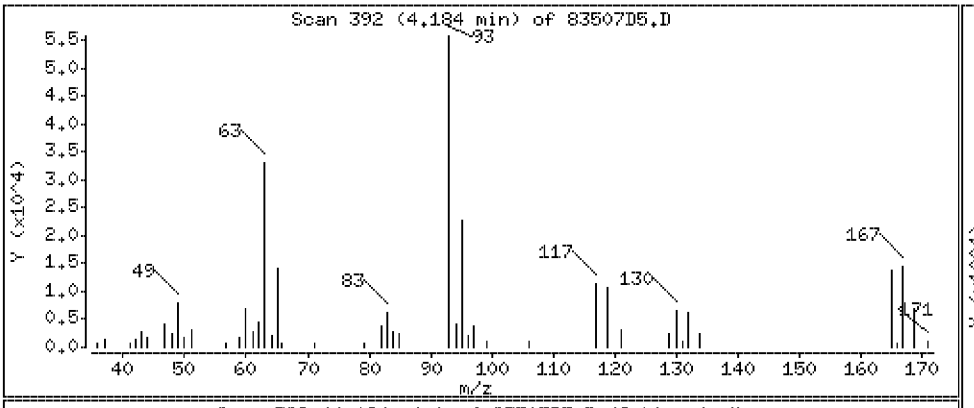
Operator: PEL

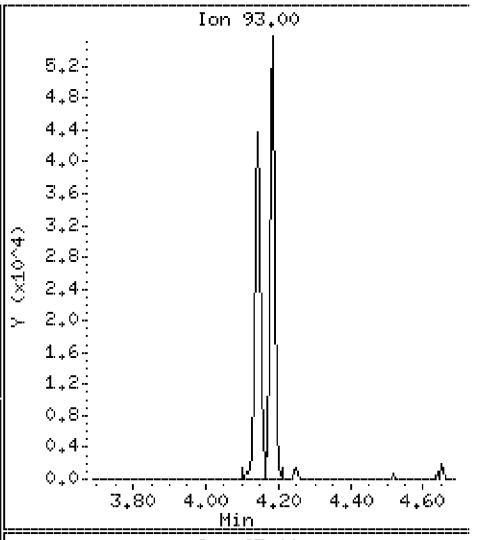
Column phase: HPMS-5

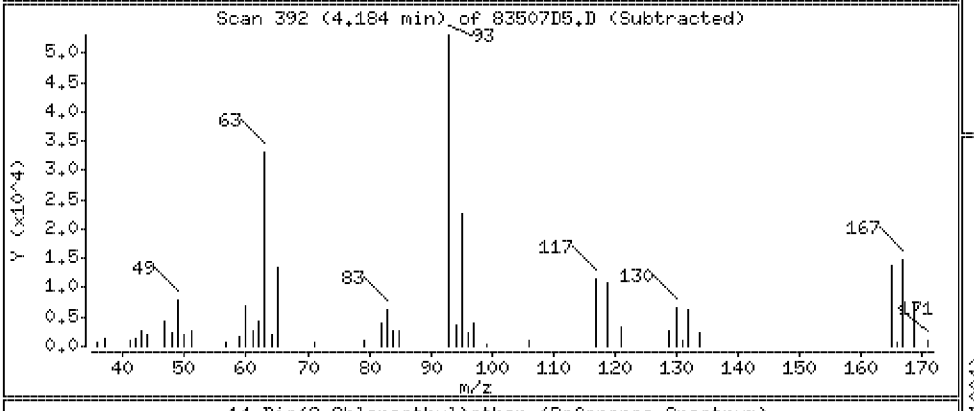
Column diameter: 0.25

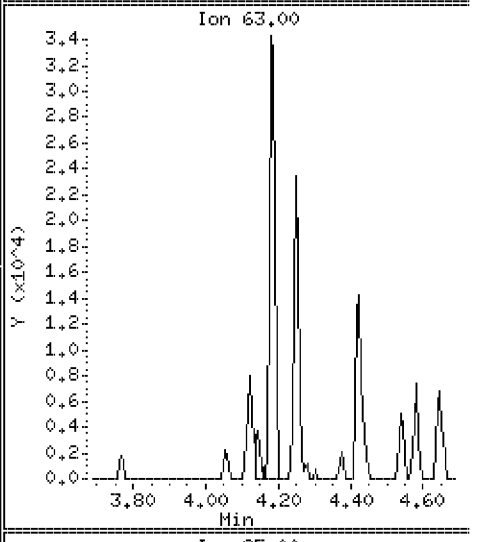
14 Bis(2-Chloroethyl)ether

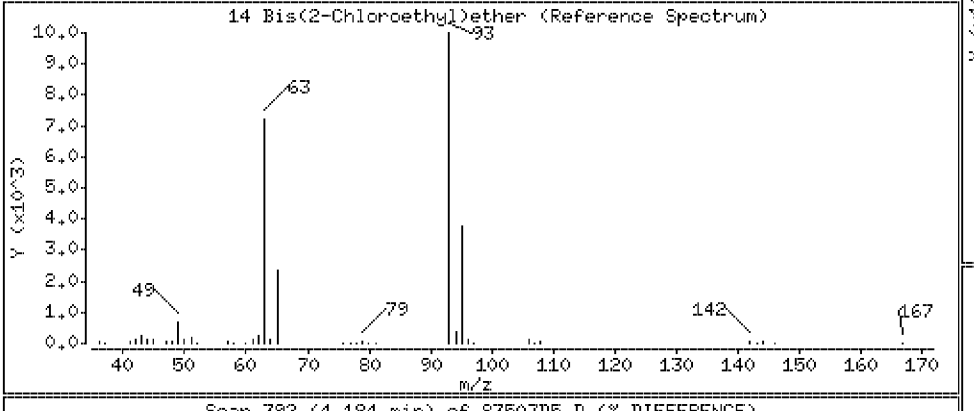
Concentration: 2080 ug/kg

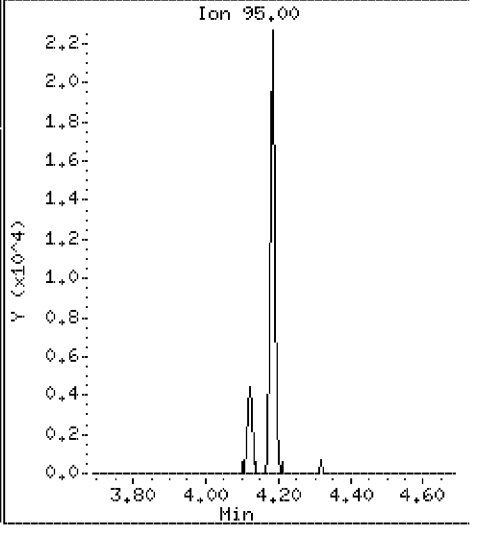


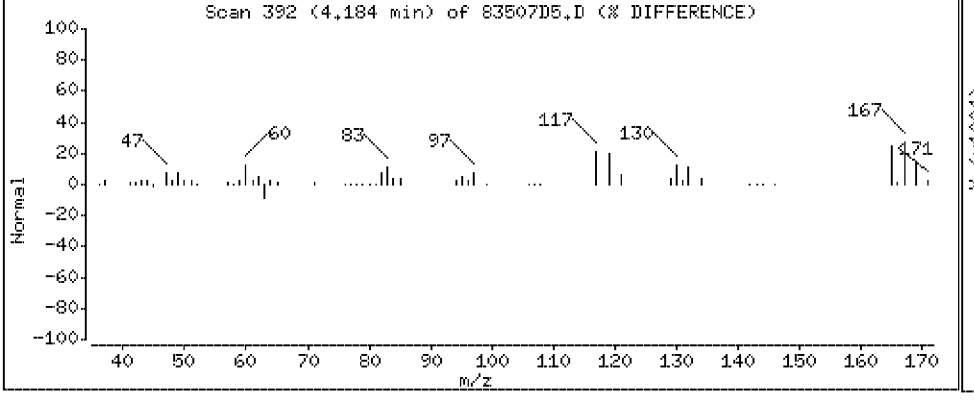












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

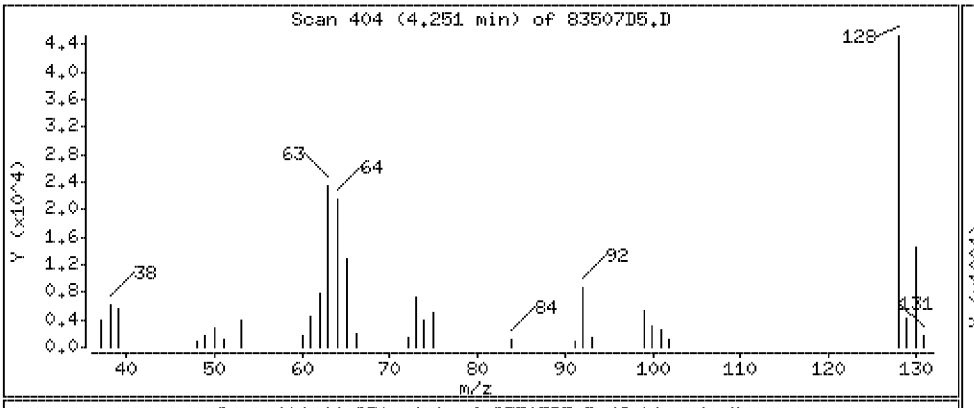
Operator: PEL

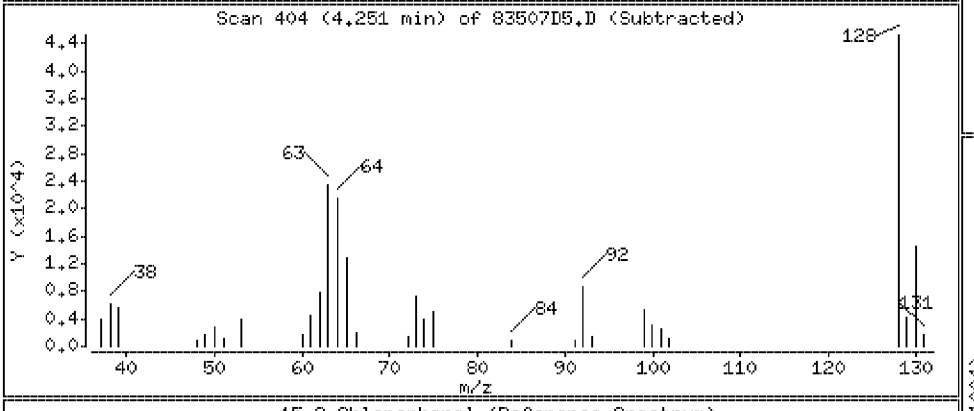
Column phase: HPMS-5

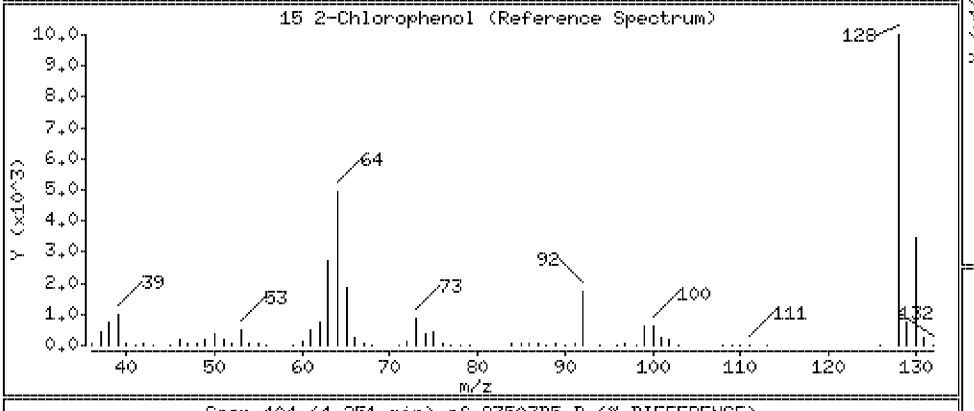
Column diameter: 0.25

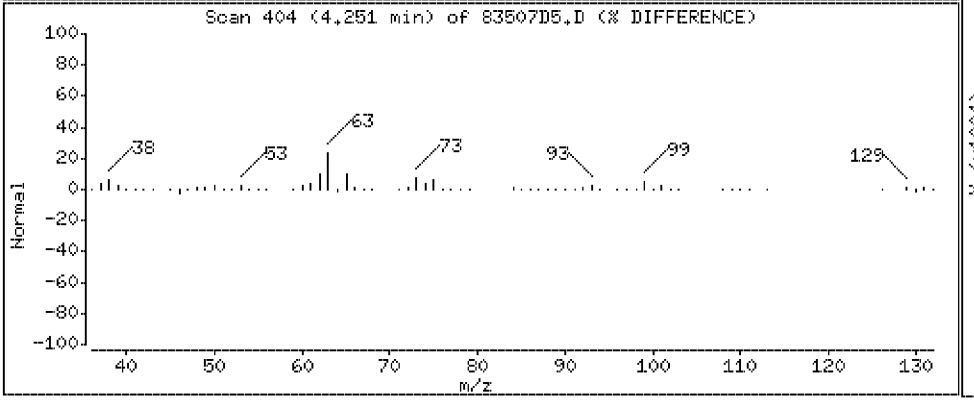
15 2-Chlorophenol

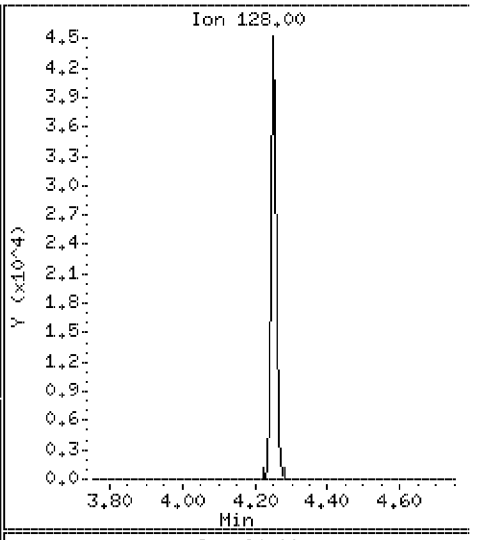
Concentration: 1700 ug/kg

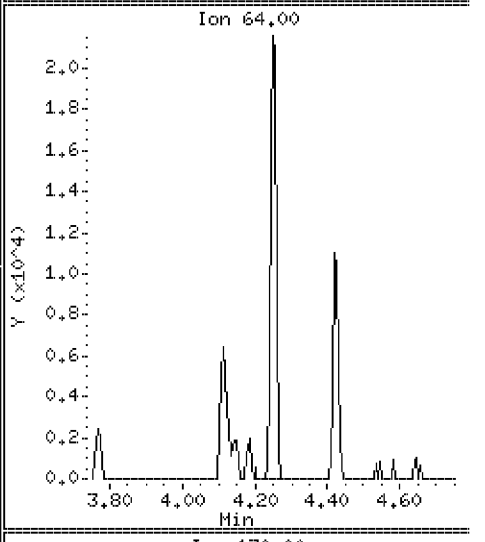


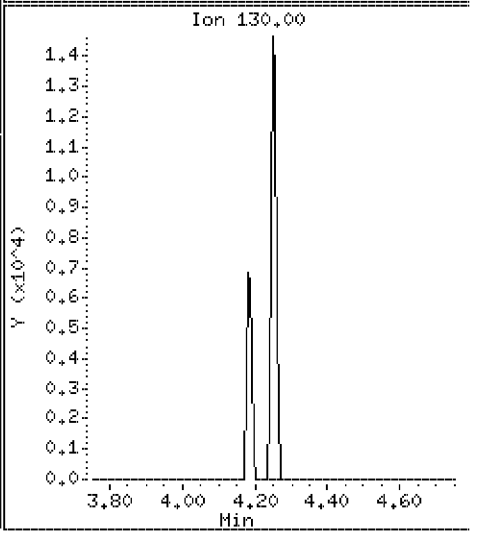












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

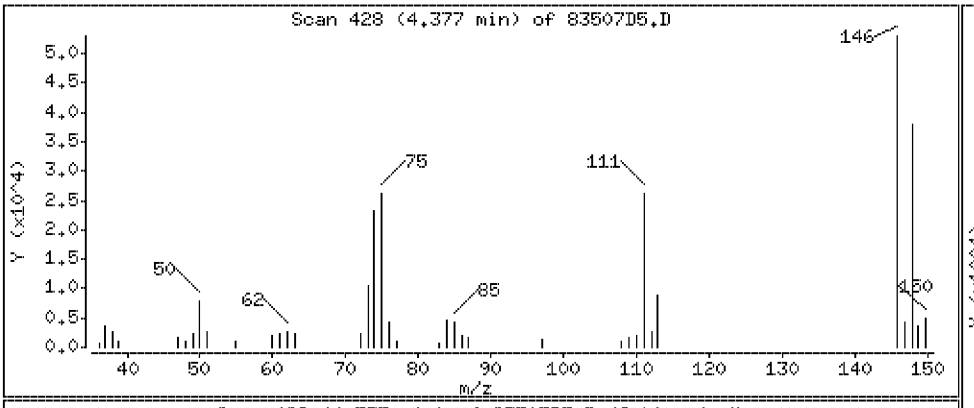
Operator: PEL

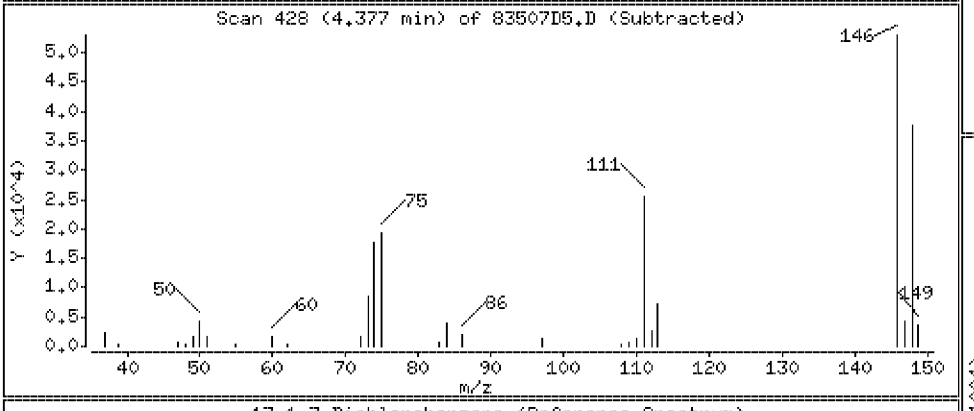
Column phase: HPMS-5

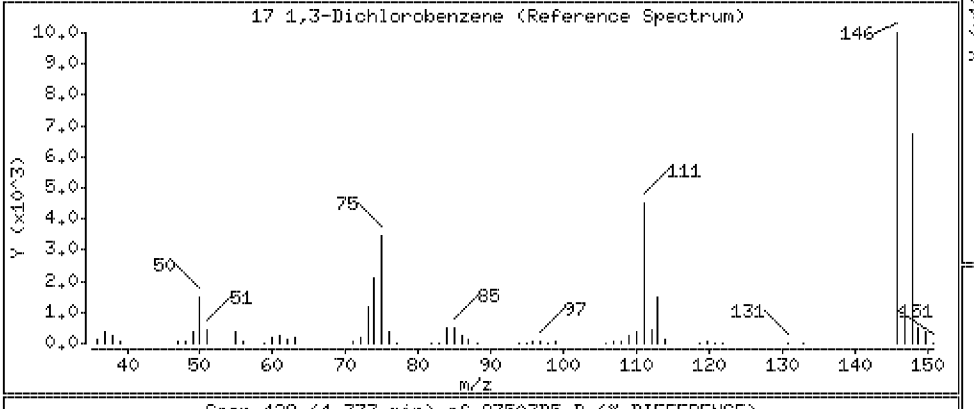
Column diameter: 0.25

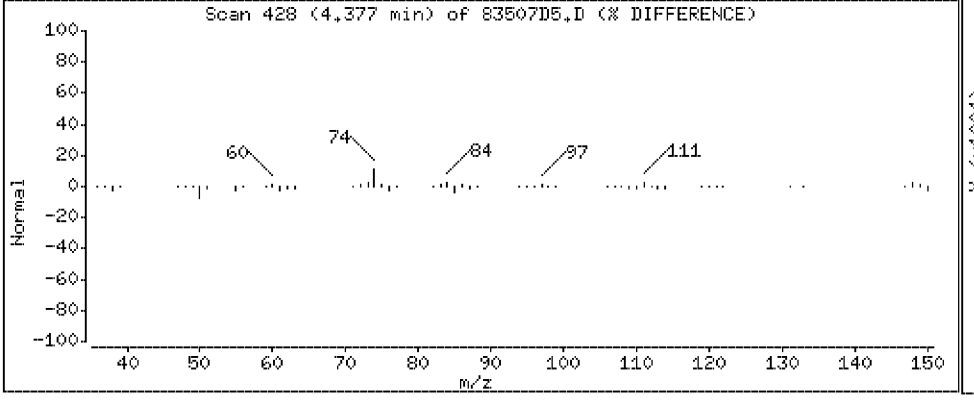
17 1,3-Dichlorobenzene

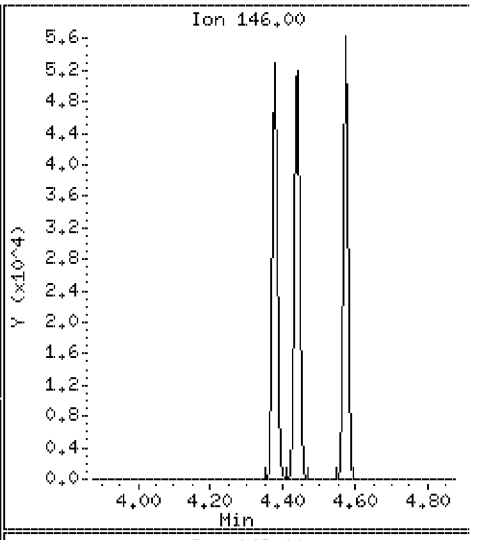
Concentration: 1590 ug/kg

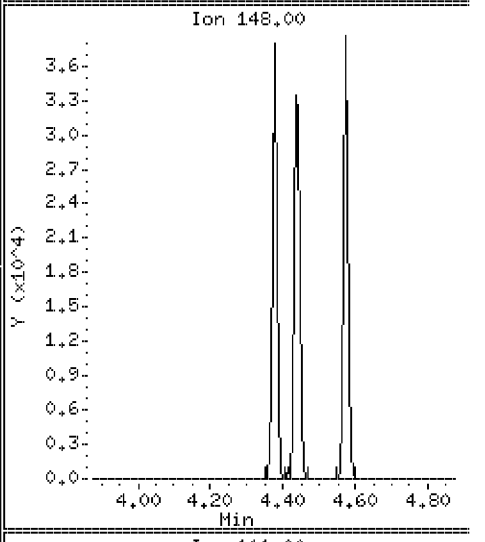


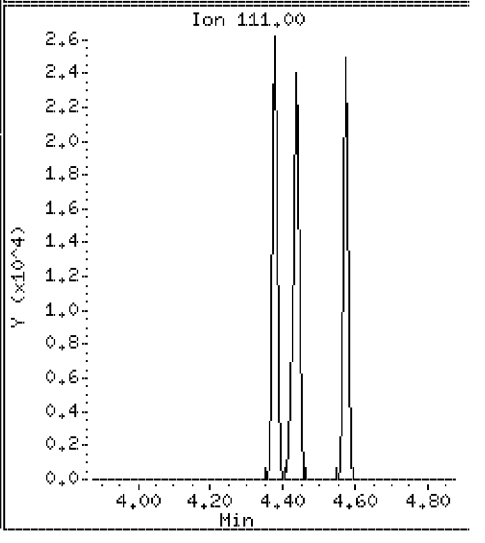












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

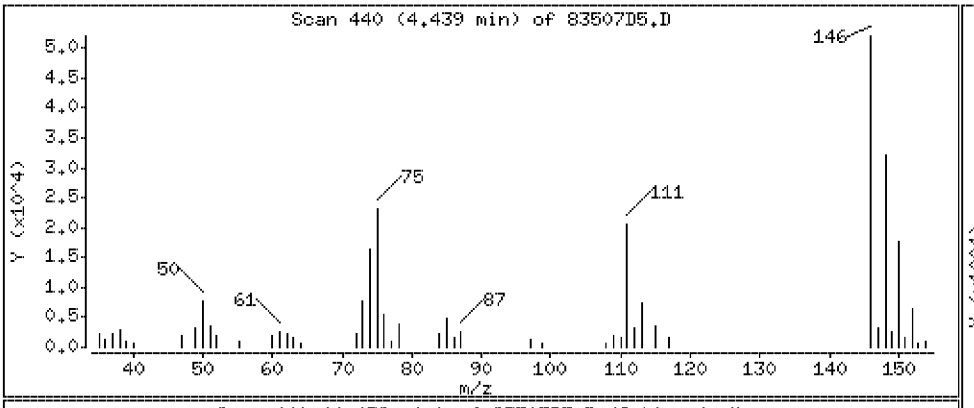
Operator: PEL

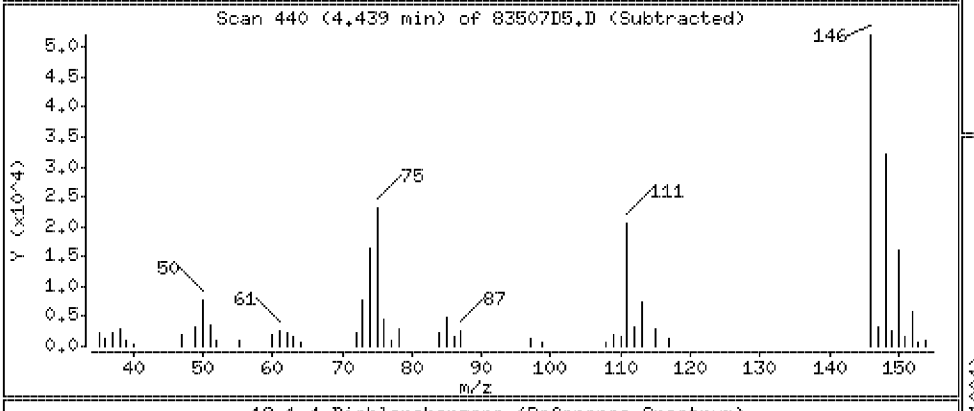
Column phase: HPMS-5

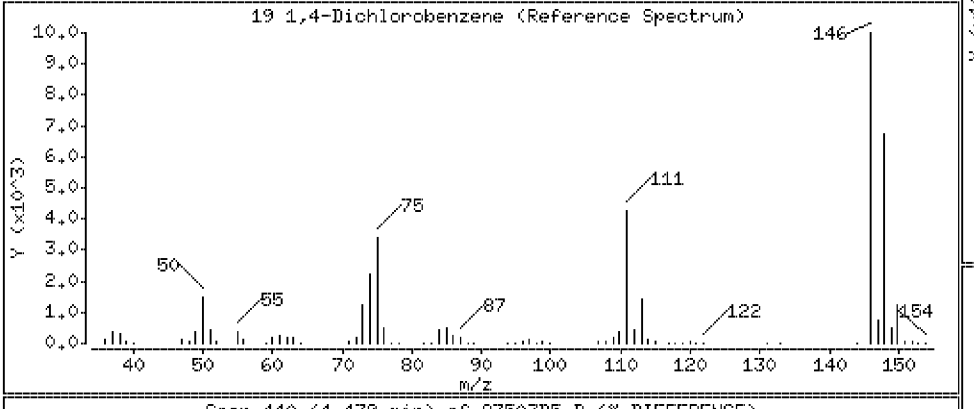
Column diameter: 0.25

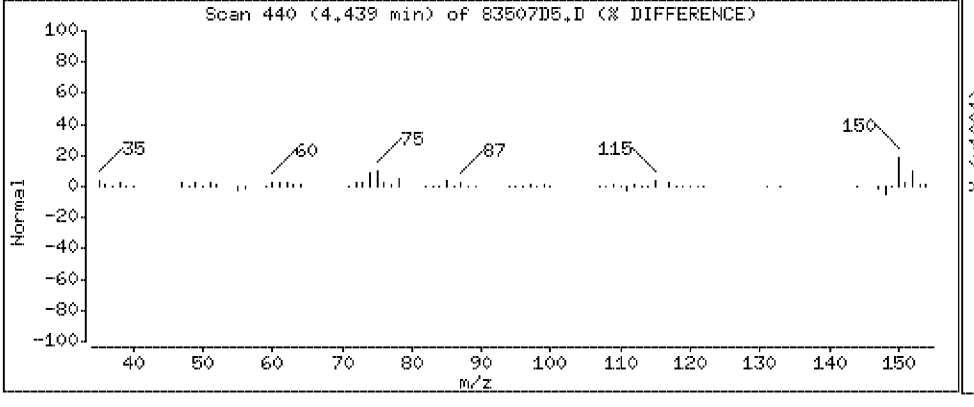
19 1,4-Dichlorobenzene

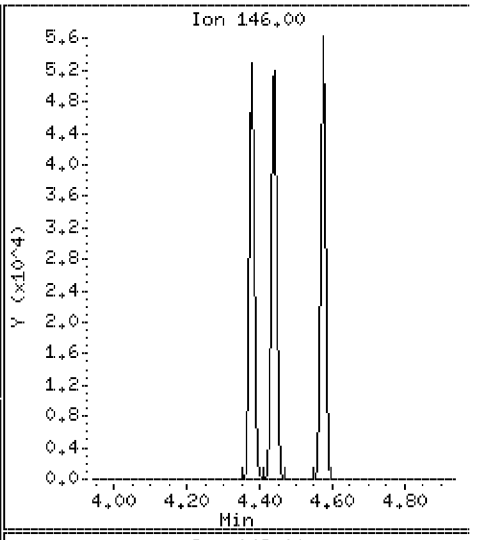
Concentration: 1600 ug/kg

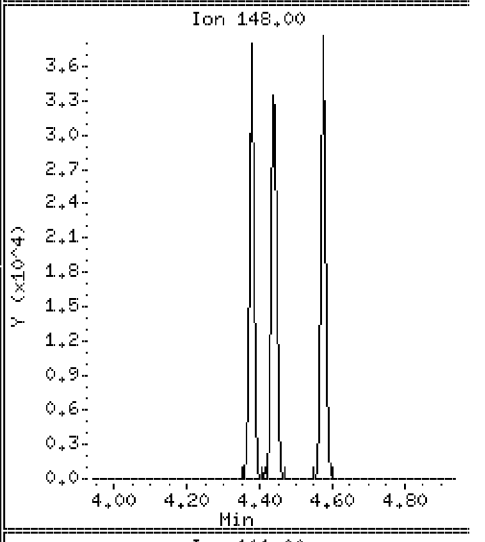


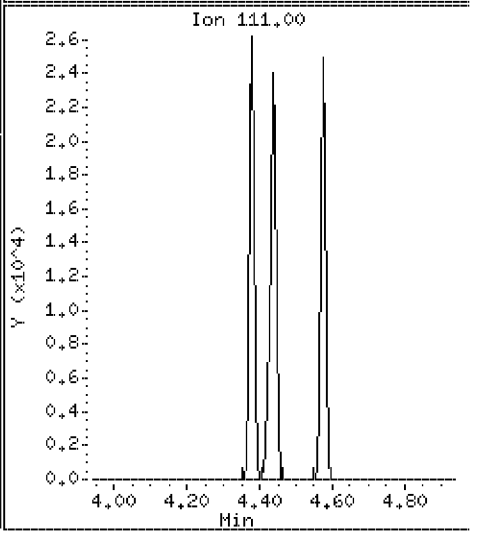












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

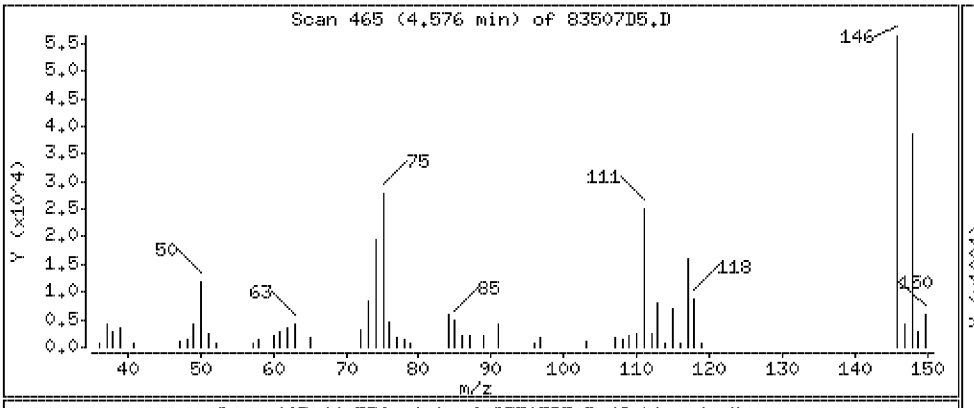
Operator: PEL

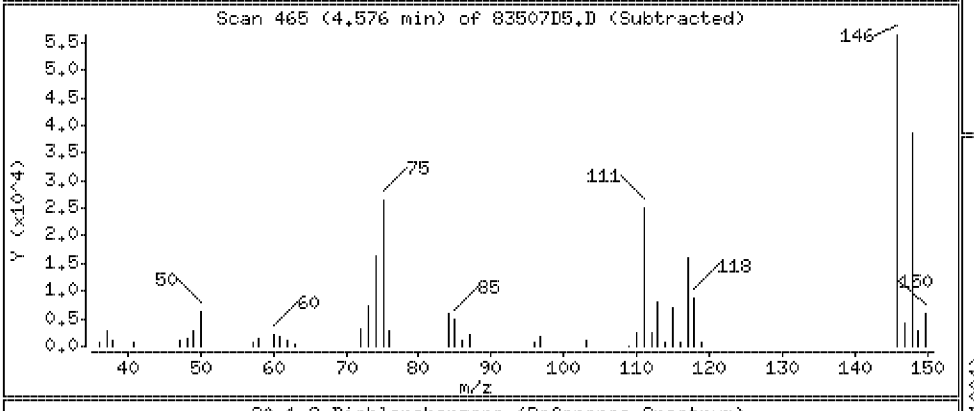
Column phase: HPMS-5

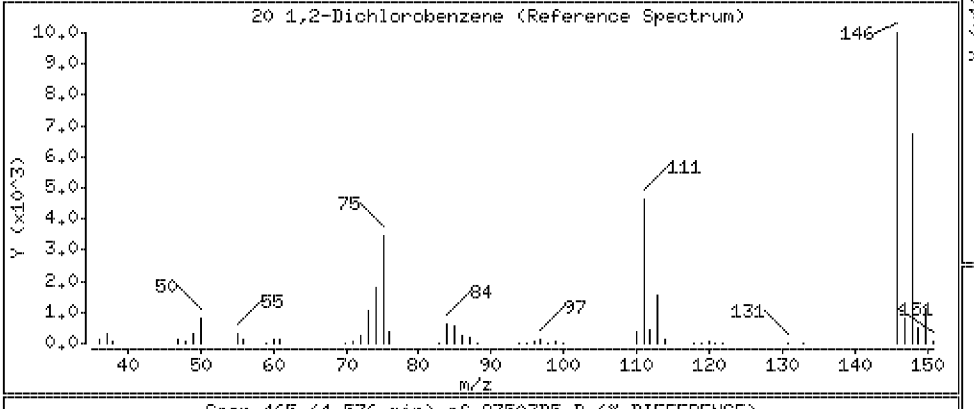
Column diameter: 0.25

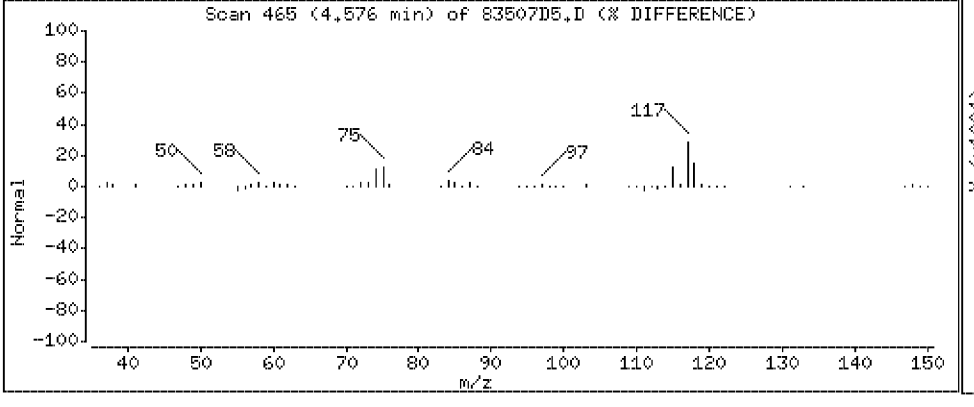
20 1,2-Dichlorobenzene

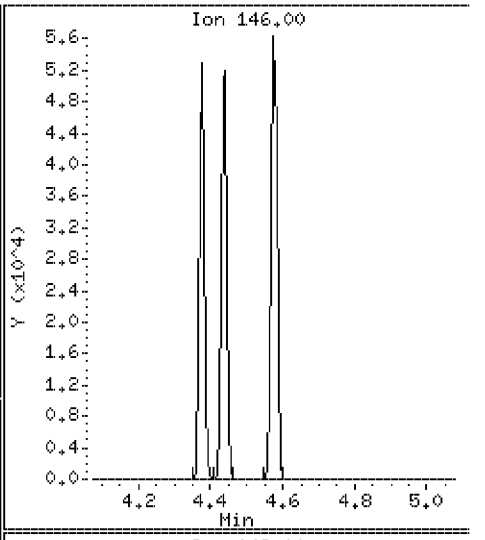
Concentration: 1690 ug/kg

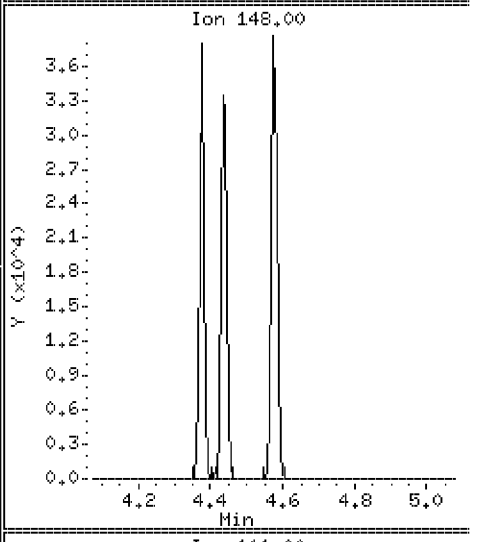


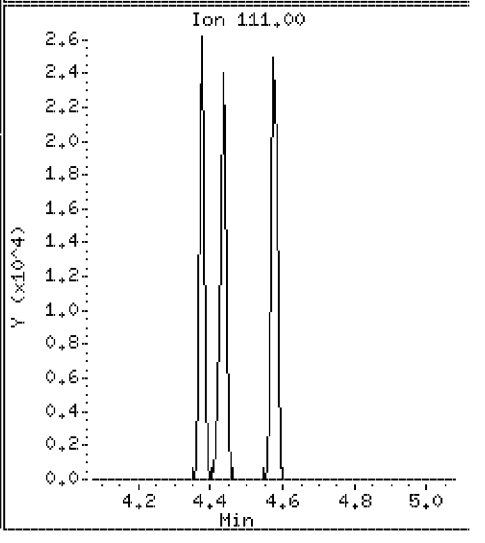












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

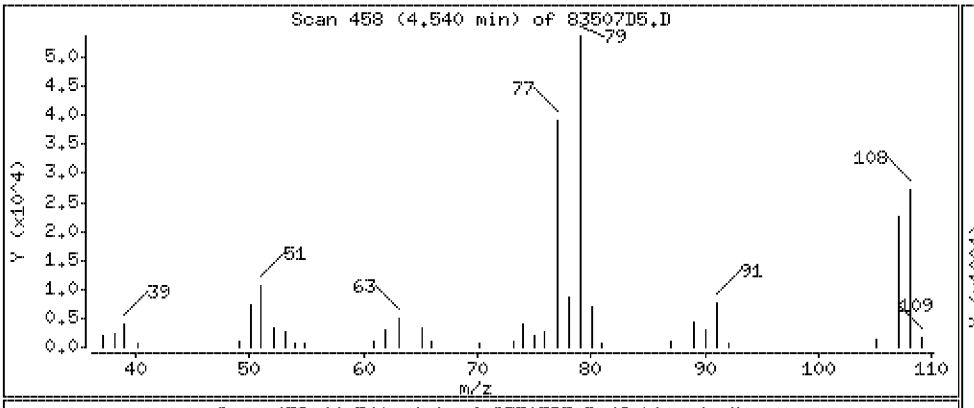
Operator: PEL

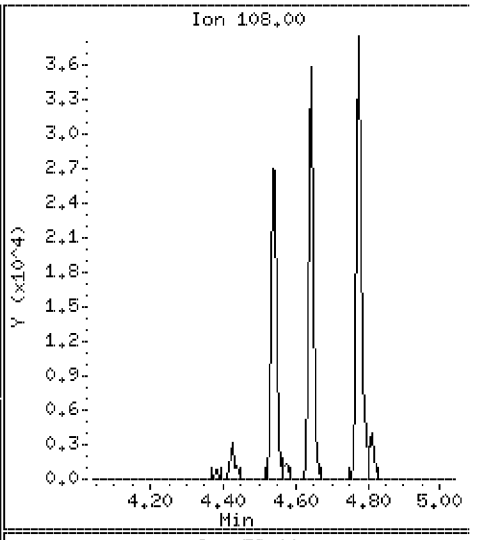
Column phase: HPMS-5

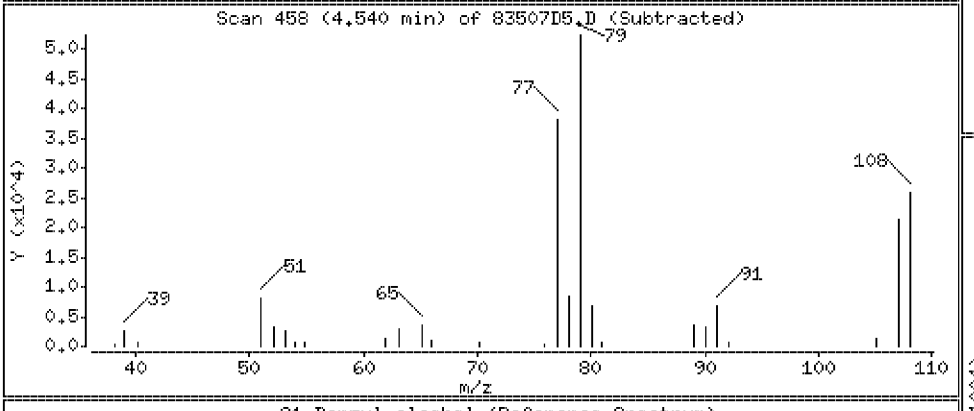
Column diameter: 0.25

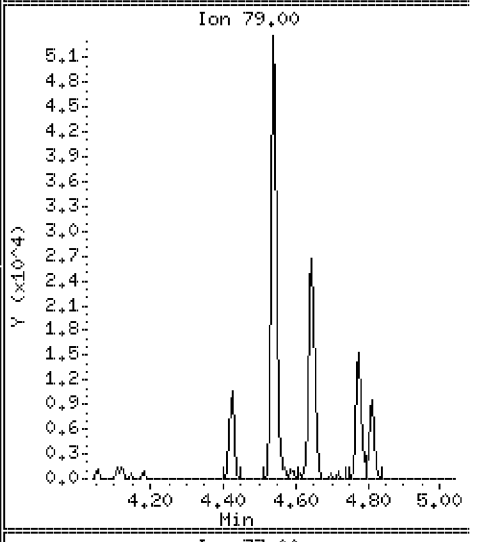
21 Benzyl alcohol

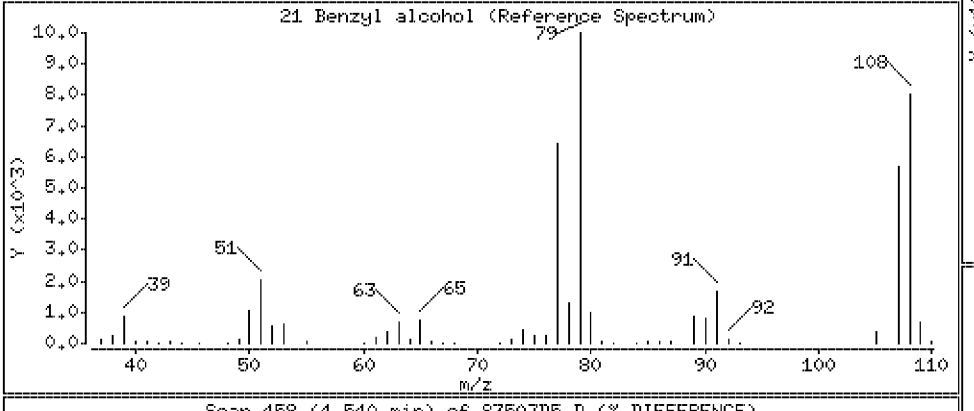
Concentration: 1610 ug/kg

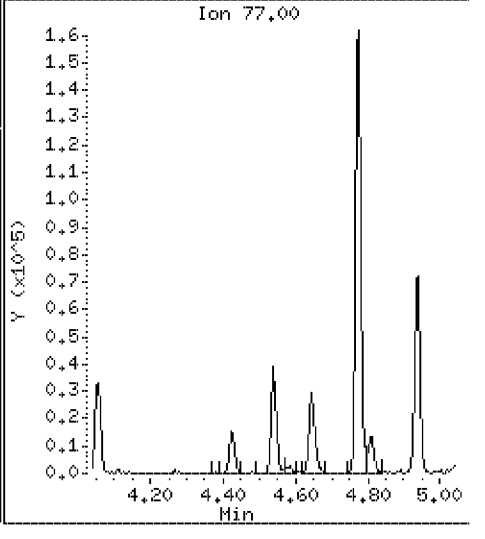


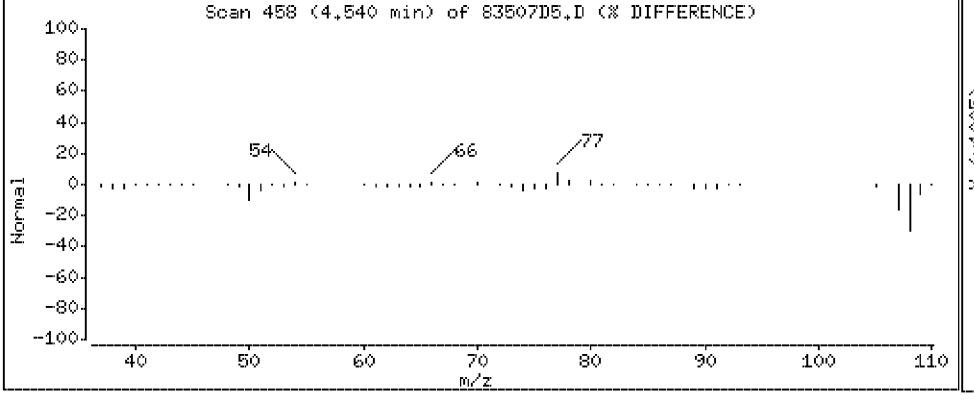












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

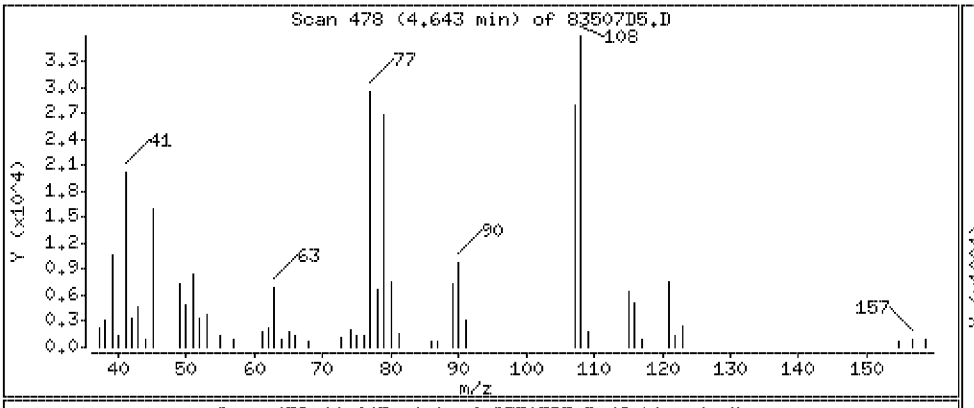
Operator: PEL

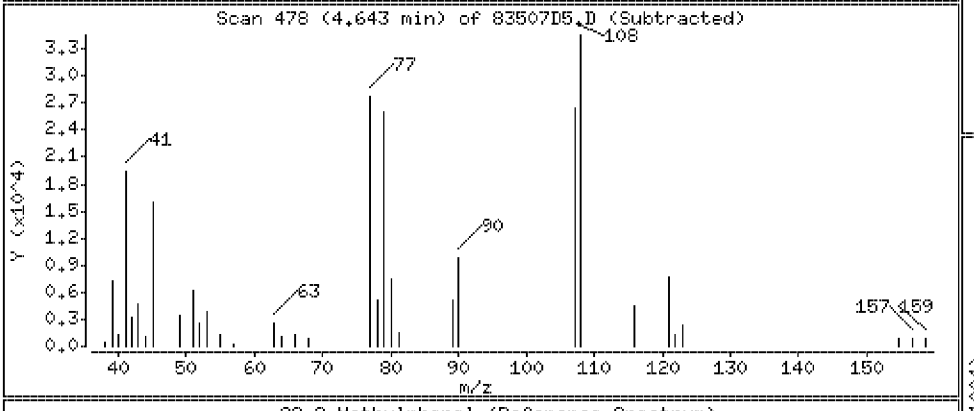
Column phase: HPMS-5

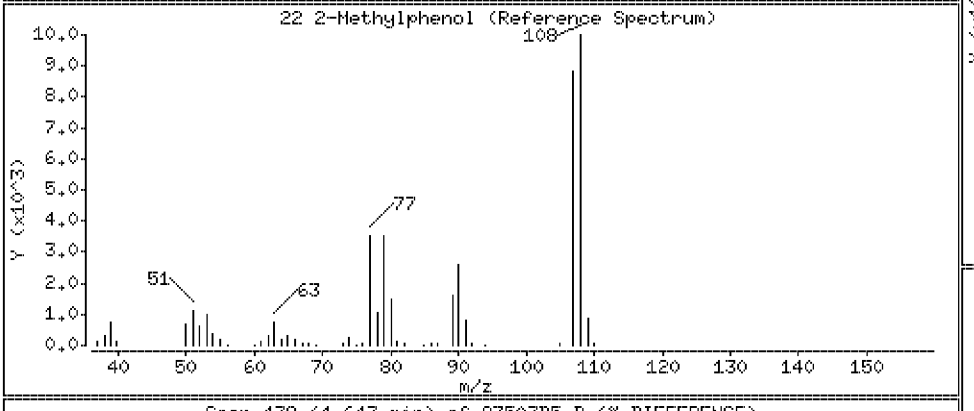
Column diameter: 0.25

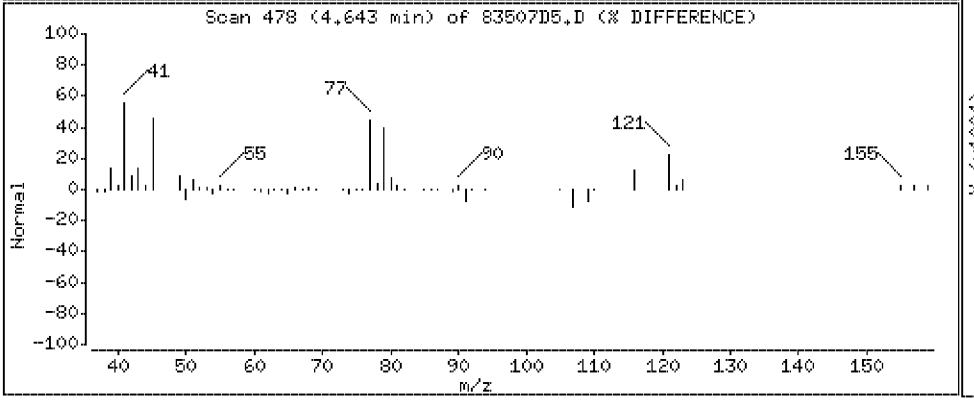
22 2-Methylphenol

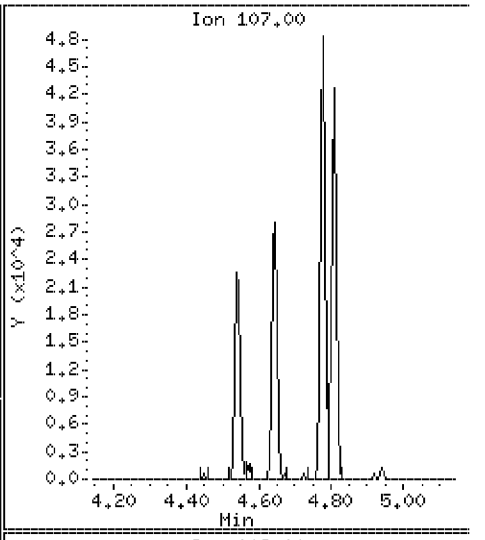
Concentration: 1190 ug/kg

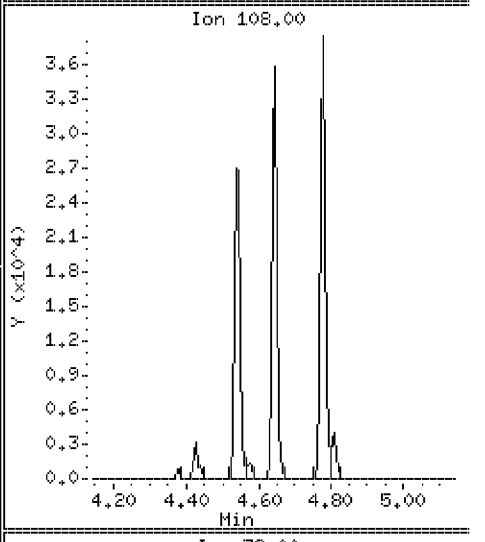


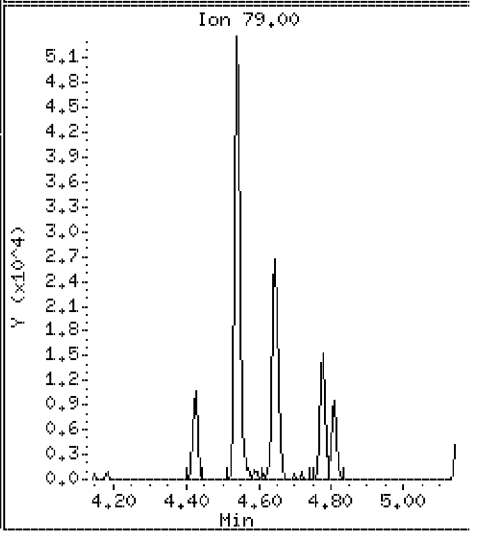












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

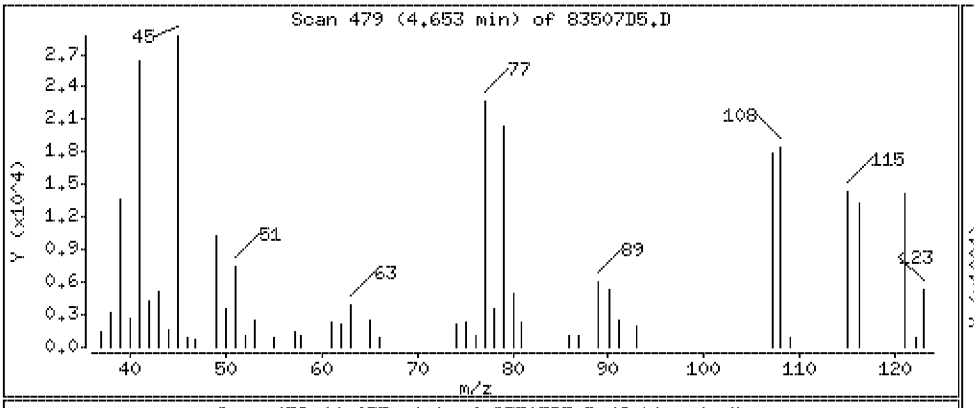
Operator: PEL

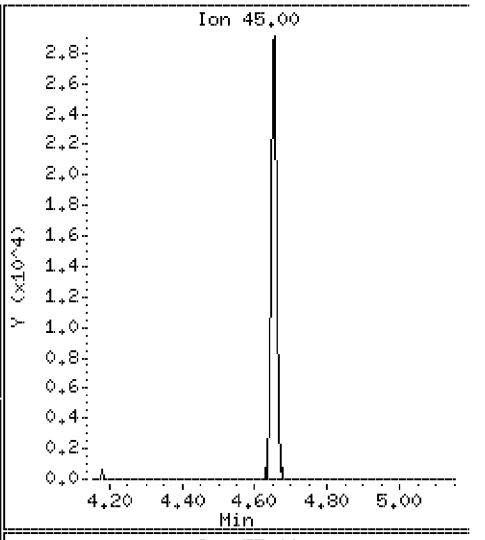
Column phase: HPMS-5

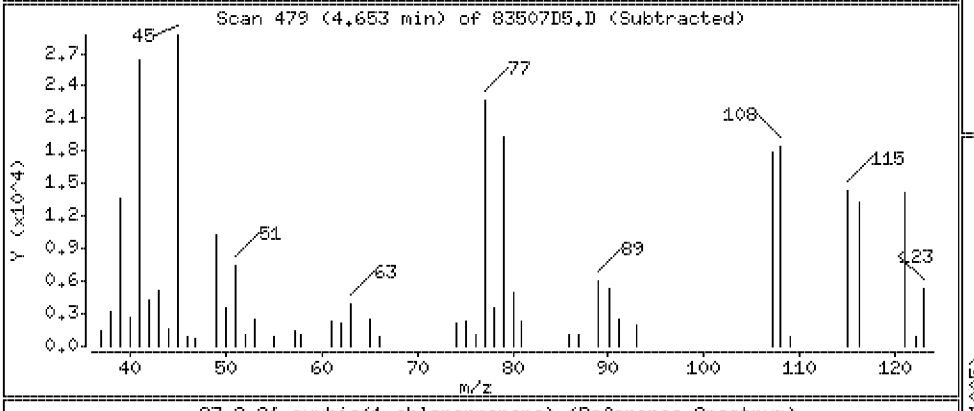
Column diameter: 0.25

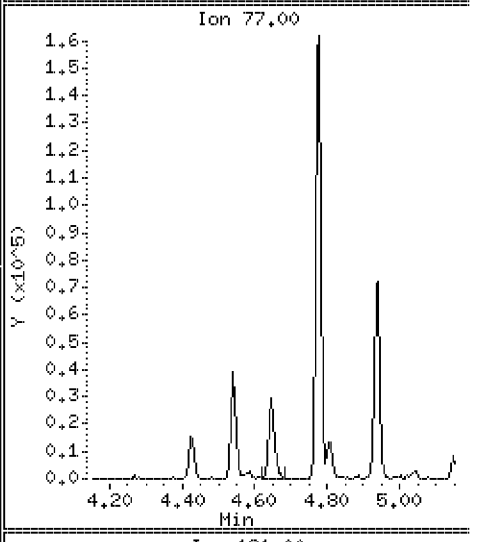
23 2,2'-oxybis(1-chloropropane)

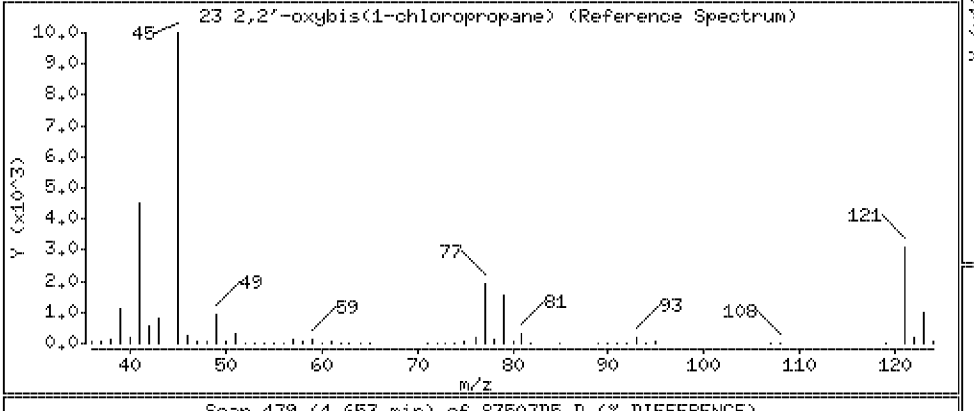
Concentration: 1760 ug/kg

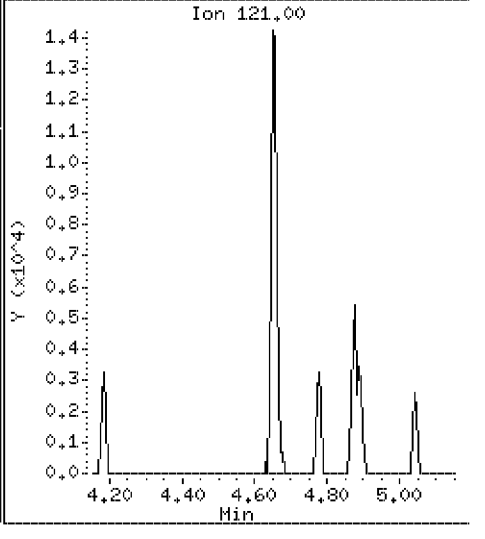


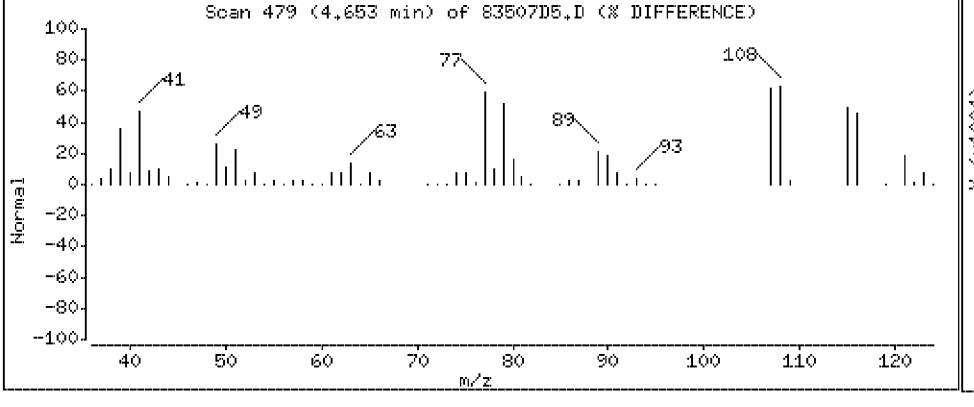












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

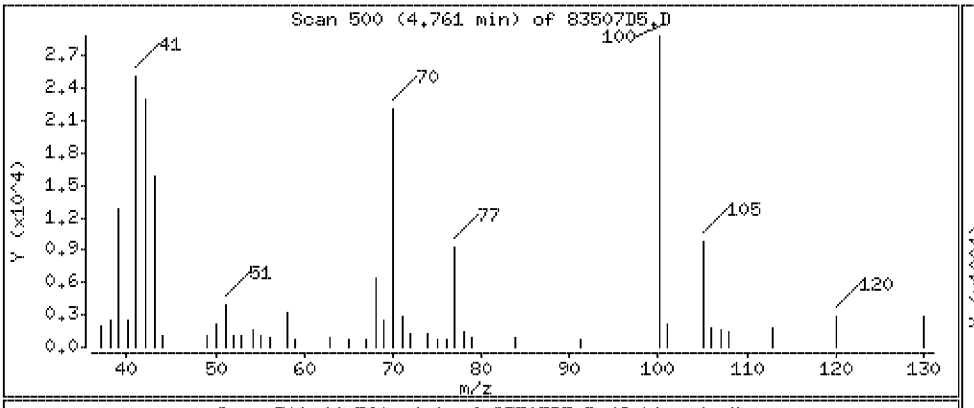
Operator: PEL

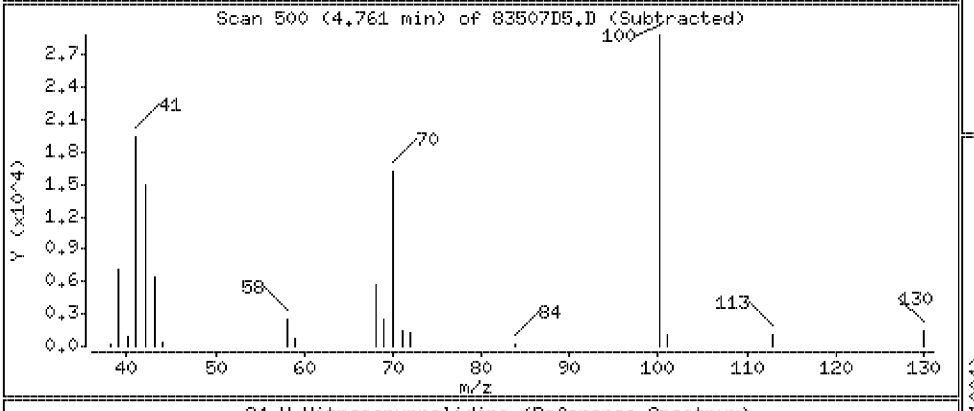
Column phase: HPMS-5

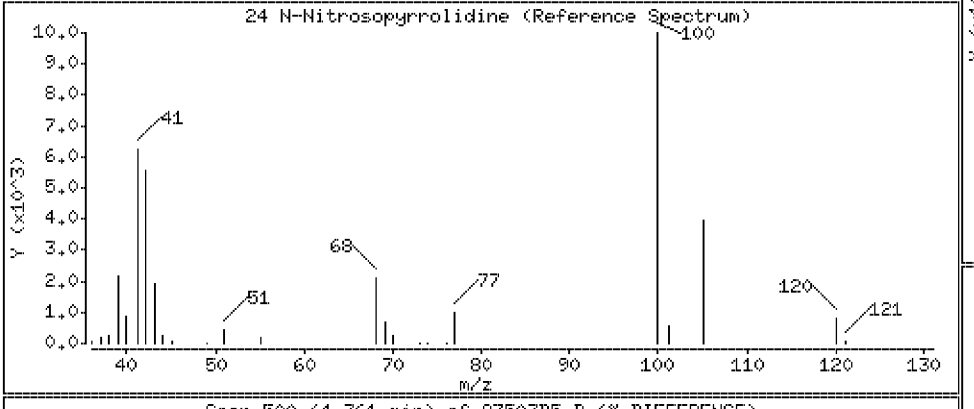
Column diameter: 0.25

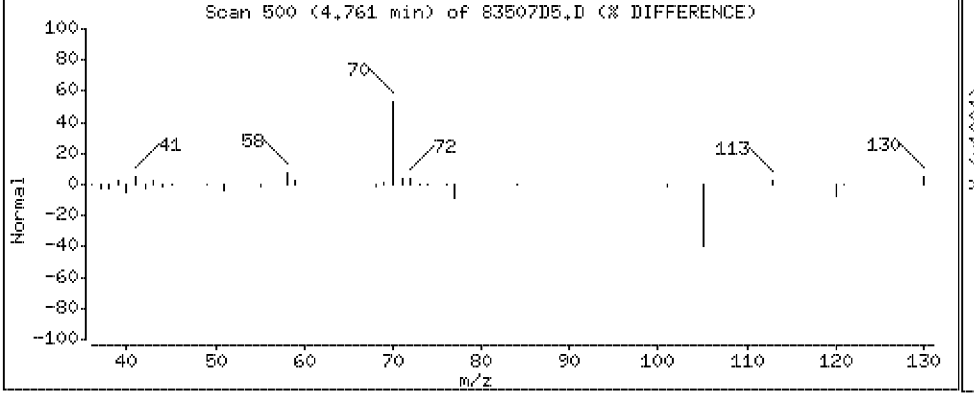
24 N-Nitrosopyrrolidine

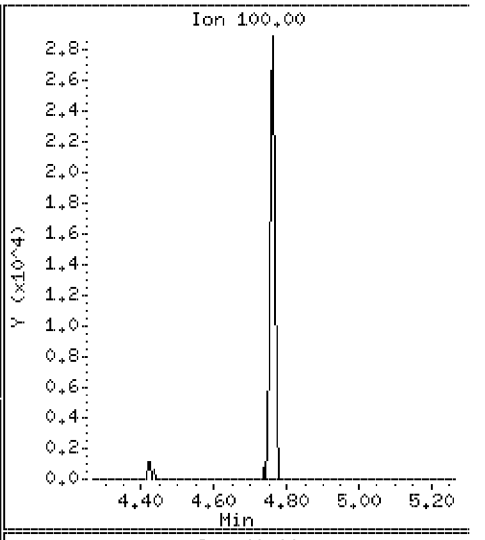
Concentration: 1840 ug/kg

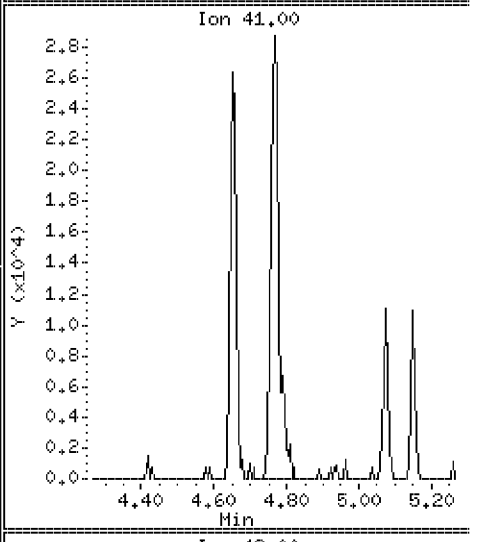


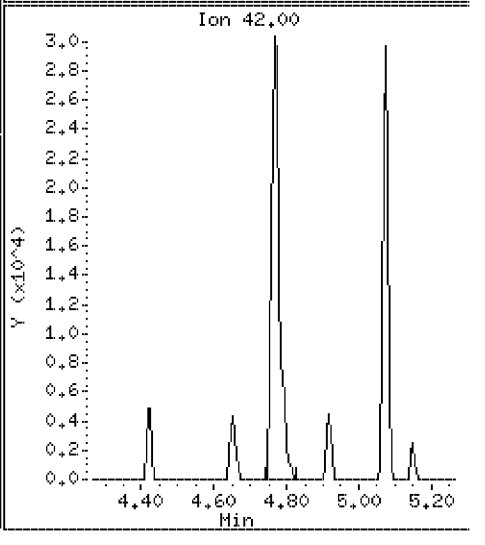












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

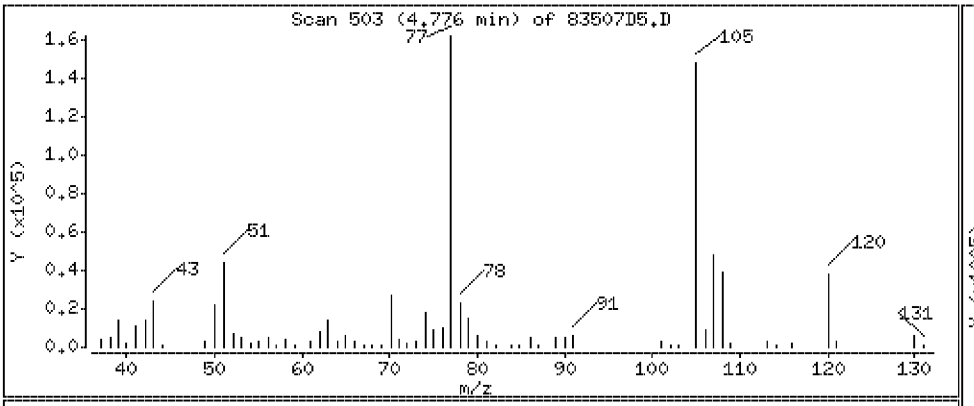
Operator: PEL

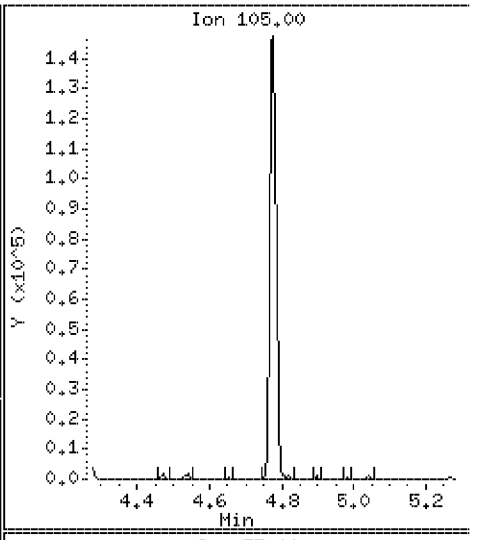
Column phase: HPMS-5

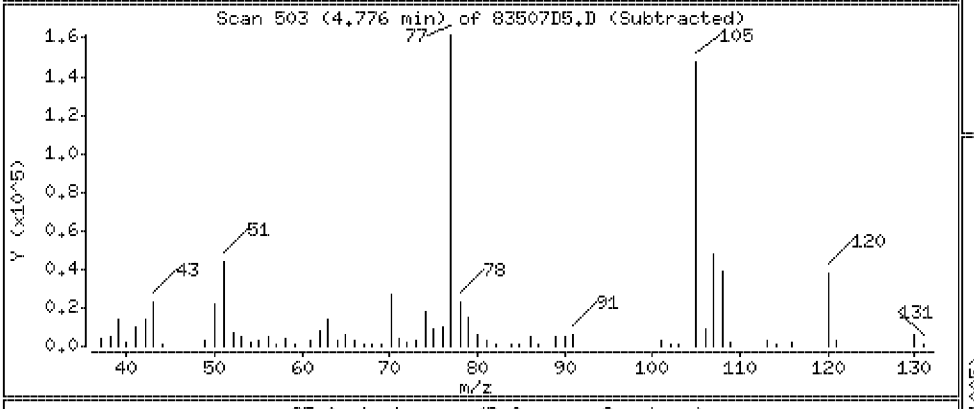
Column diameter: 0.25

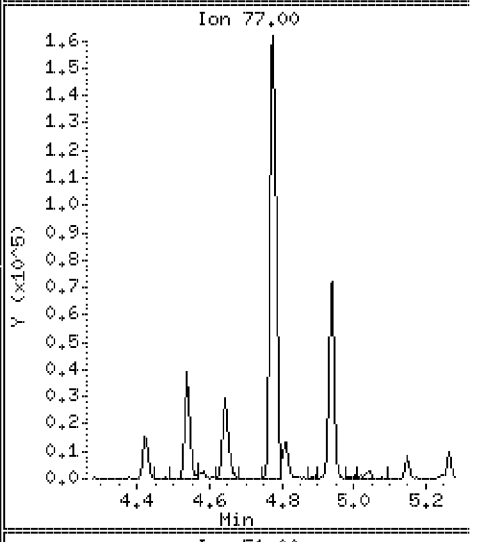
25 Acetophenone

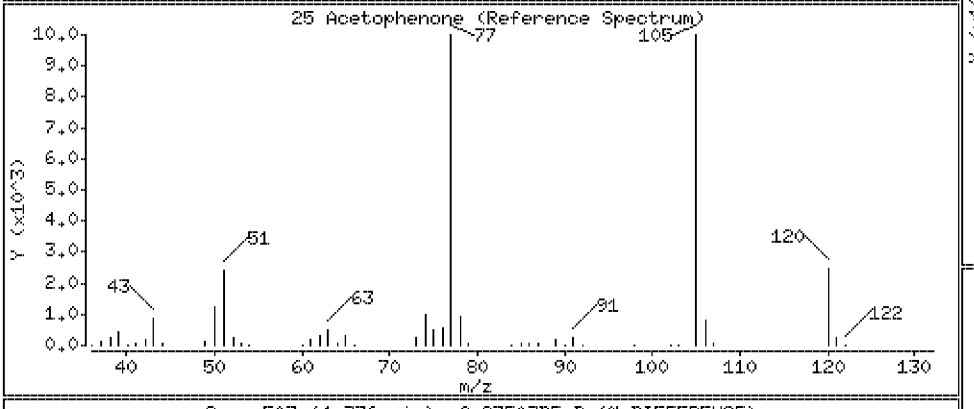
Concentration: 3120 ug/kg

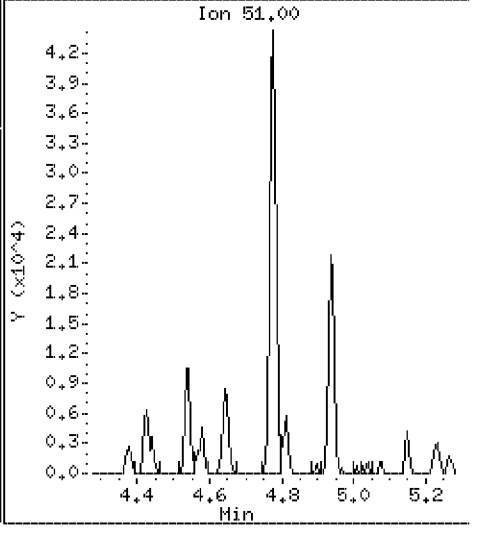


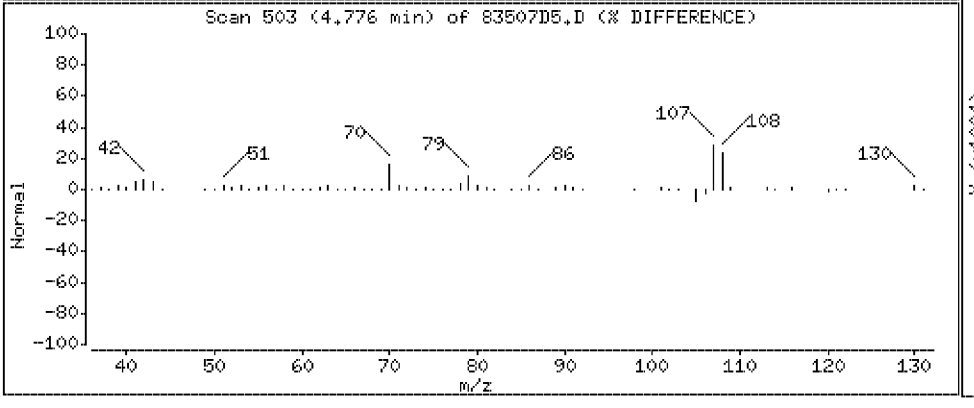












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

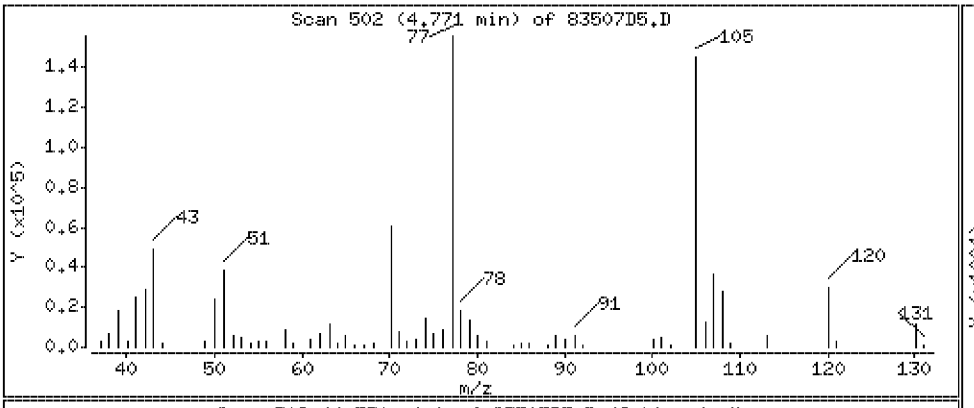
Operator: PEL

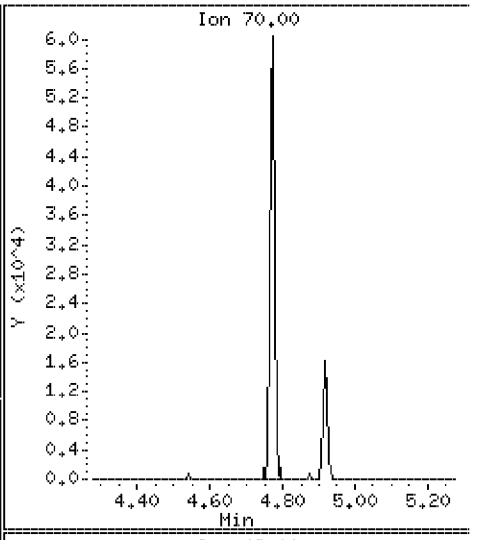
Column phase: HPMS-5

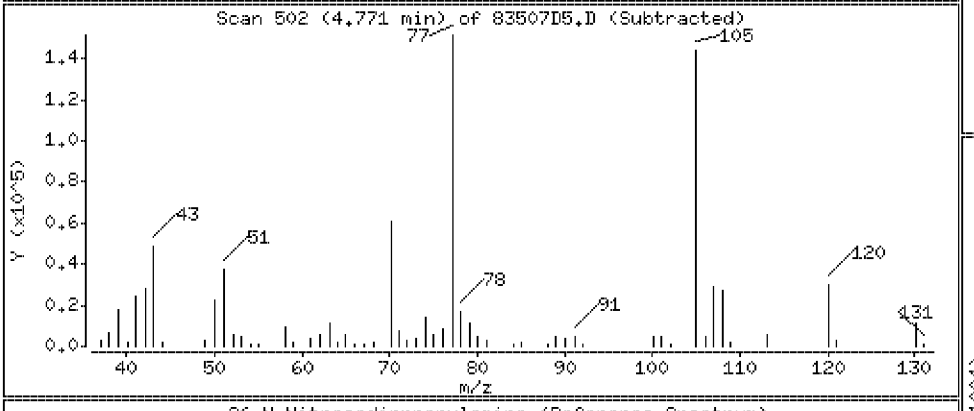
Column diameter: 0.25

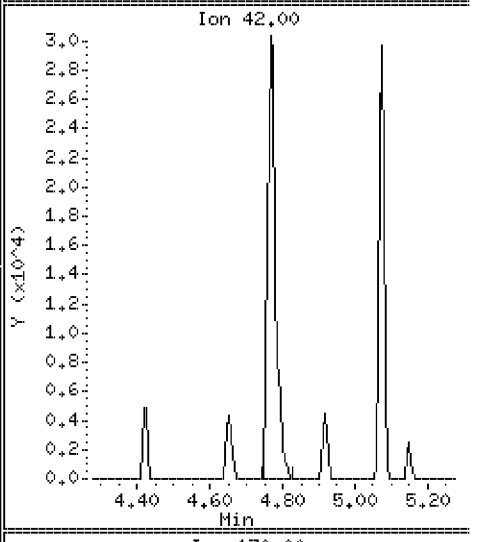
26 N-Nitrosodinpropylamine

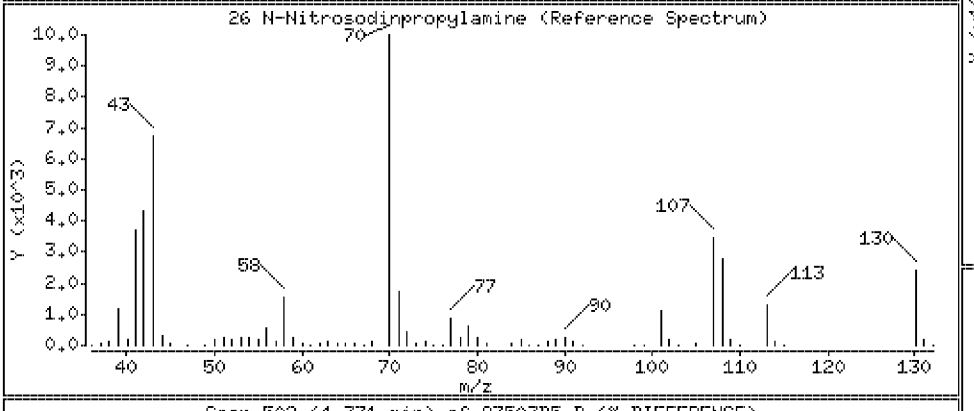
Concentration: 2050 ug/kg

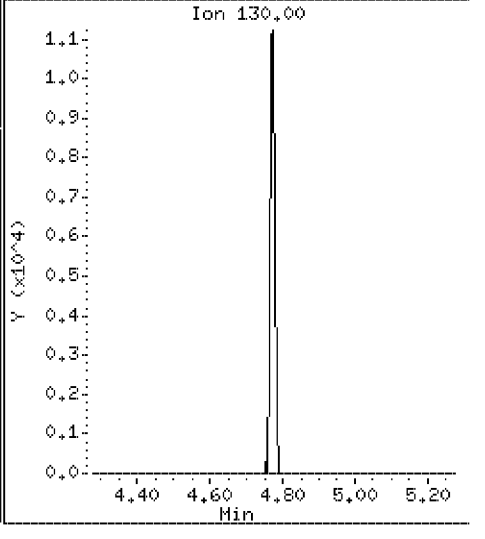


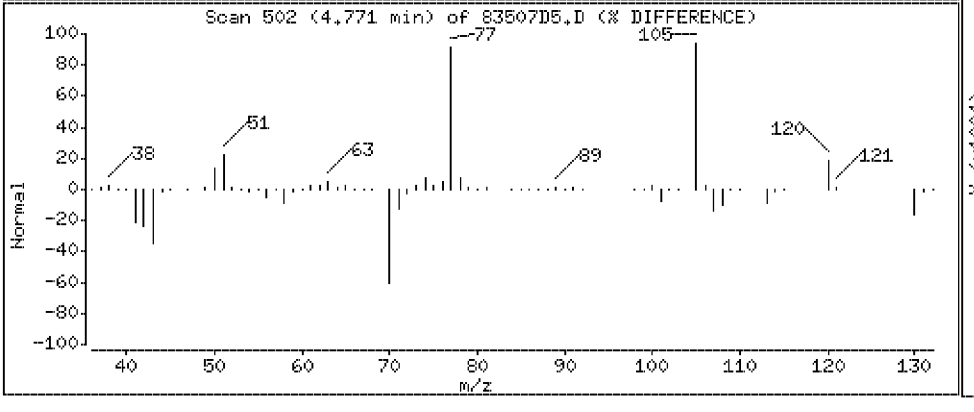












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

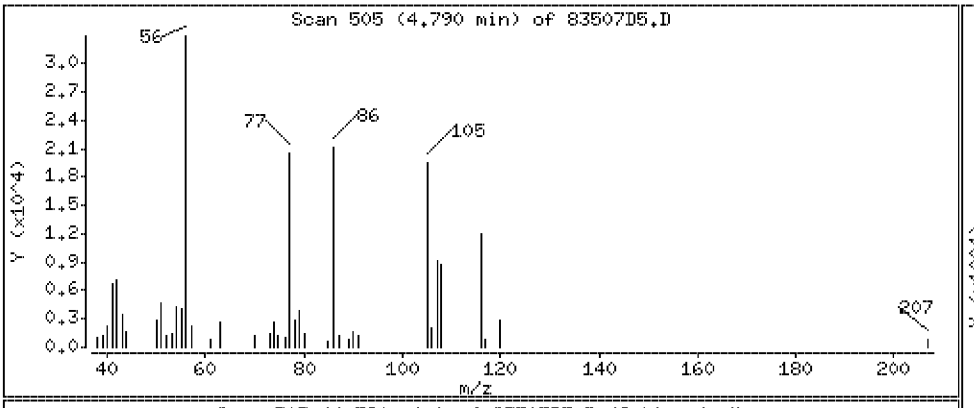
Operator: PEL

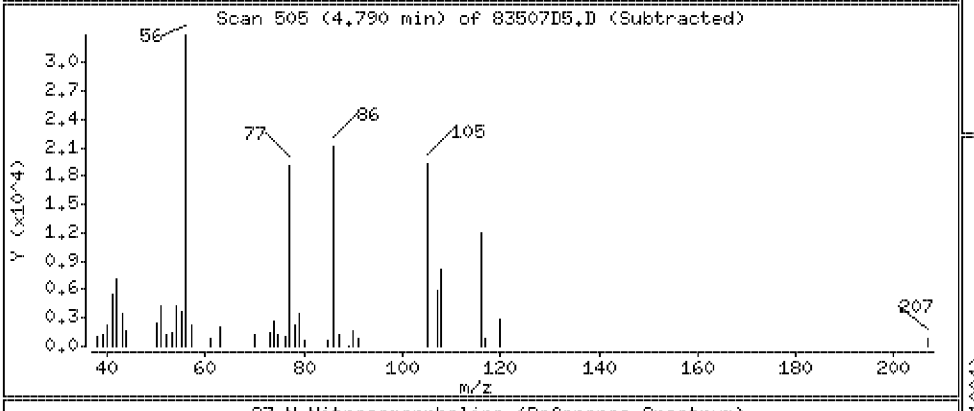
Column phase: HPMS-5

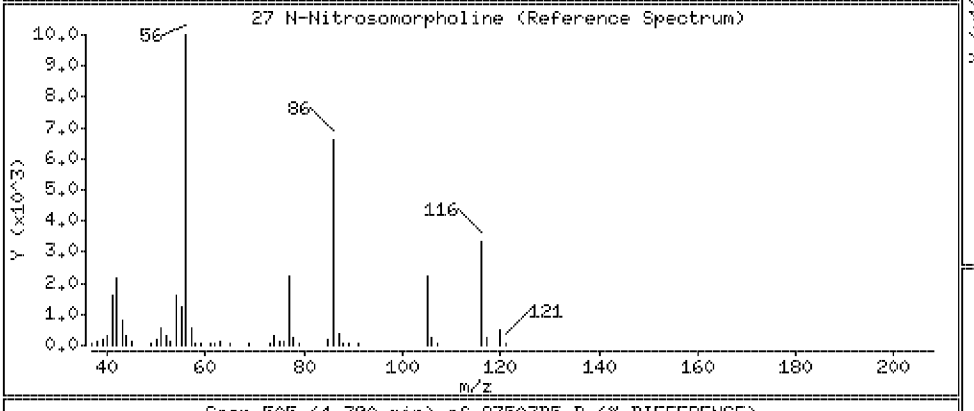
Column diameter: 0.25

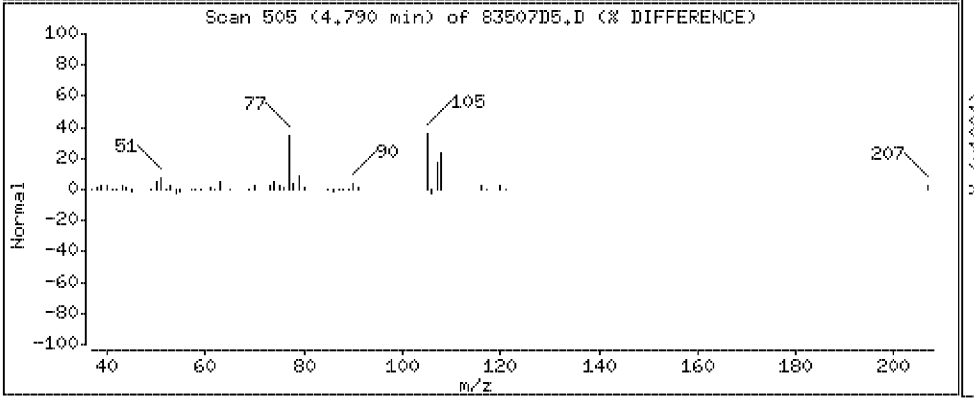
27 N-Nitrosomorpholine

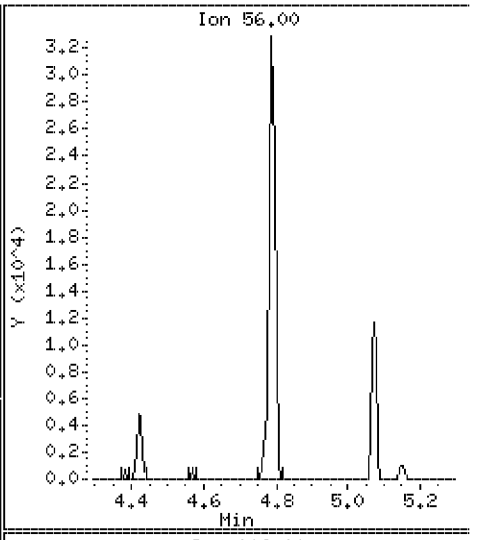
Concentration: 2110 ug/kg

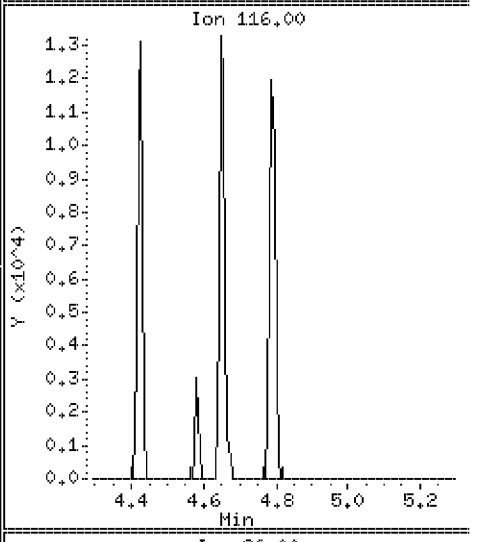


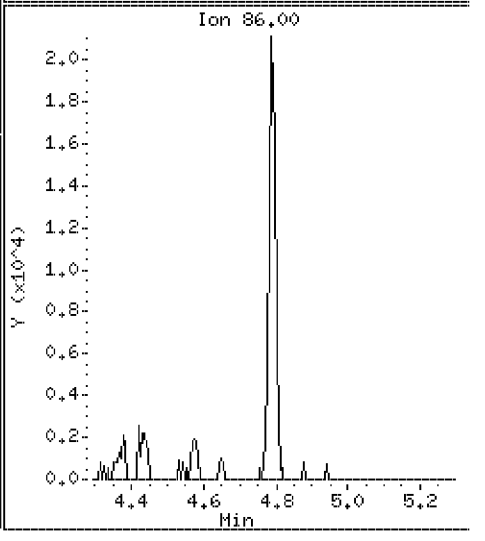












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

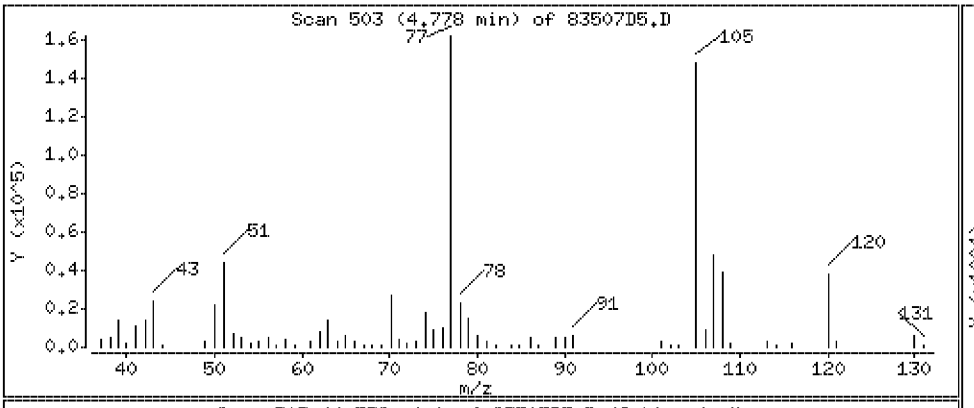
Operator: PEL

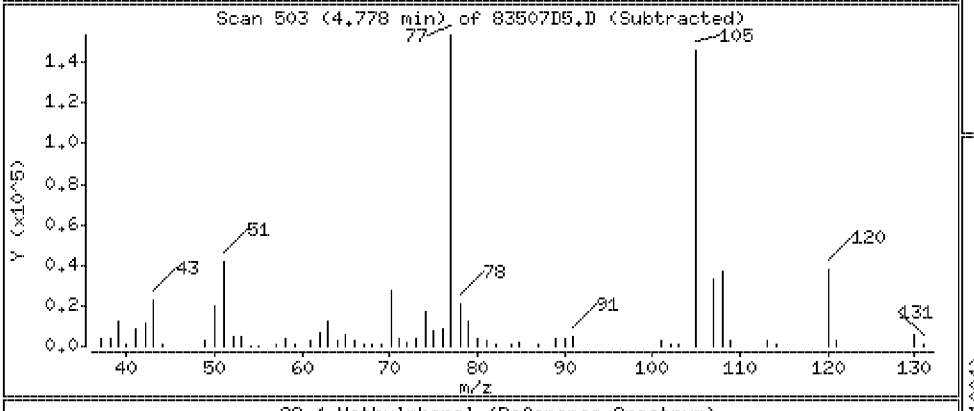
Column phase: HPMS-5

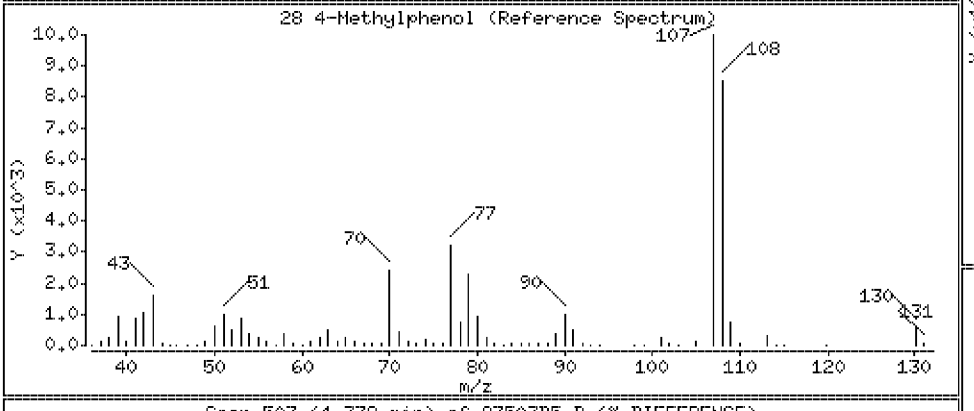
Column diameter: 0.25

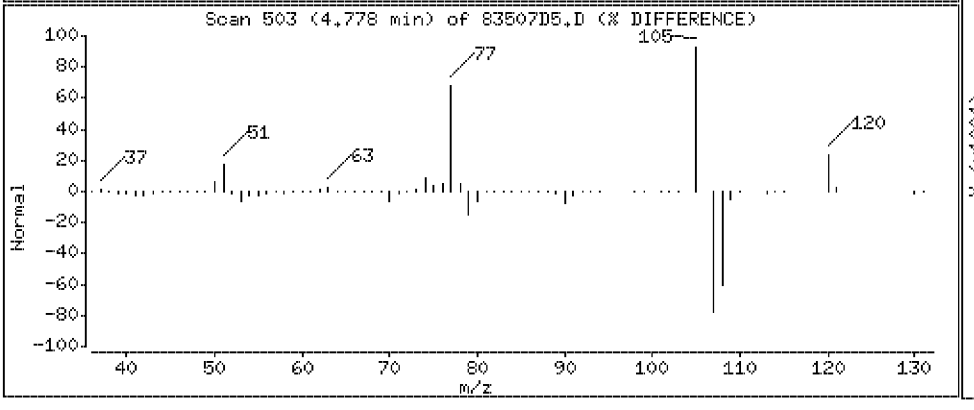
28 4-Methylphenol

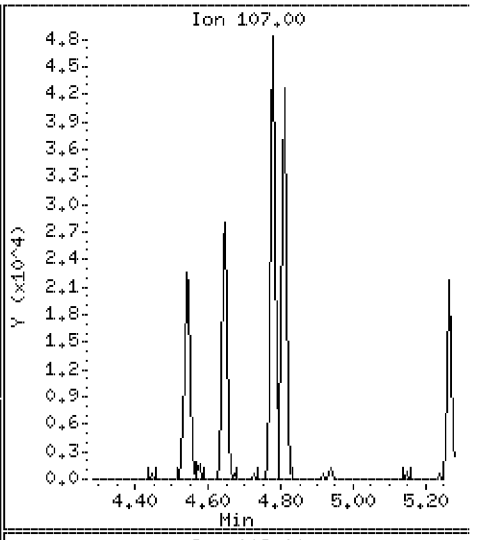
Concentration: 1240 ug/kg

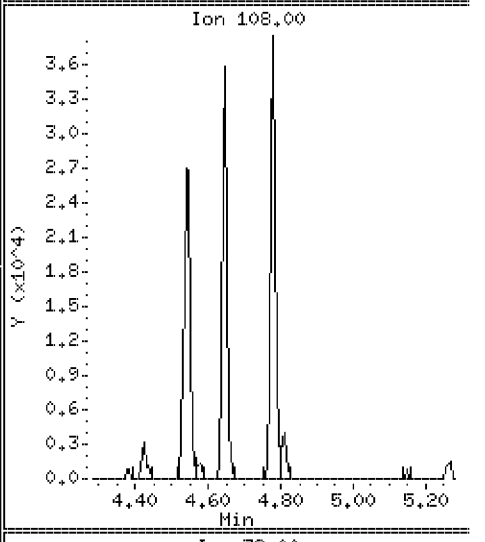


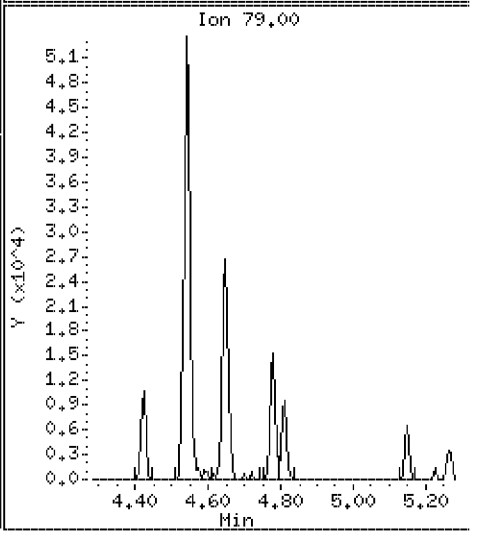












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

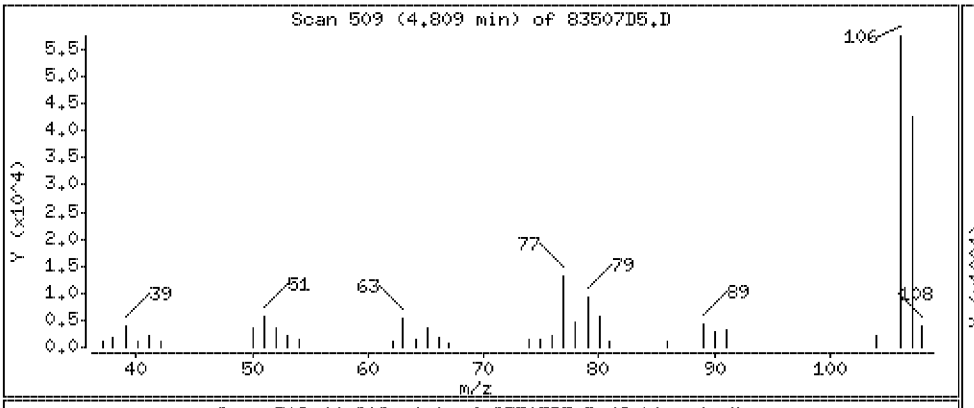
Operator: PEL

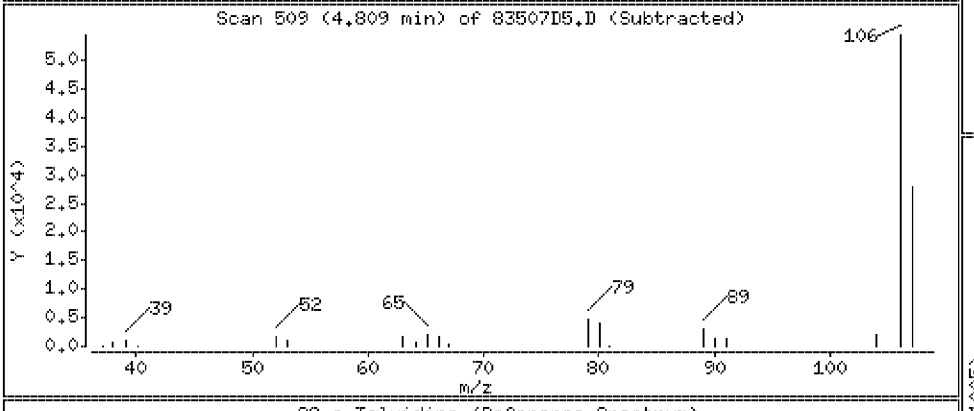
Column phase: HPMS-5

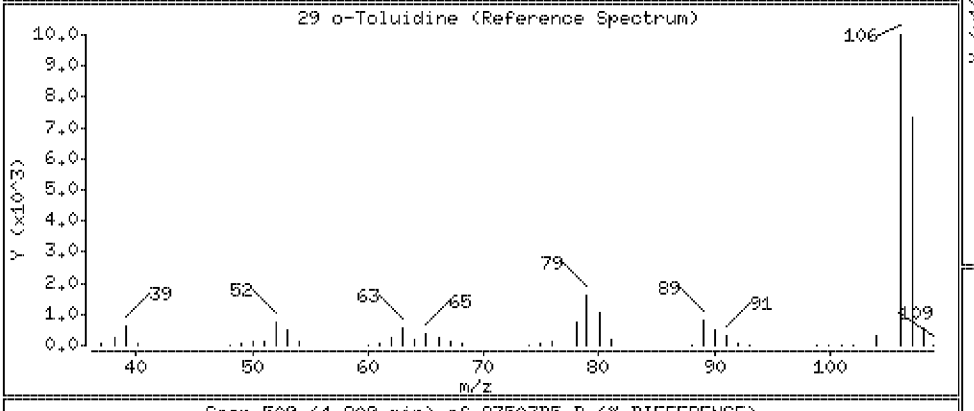
Column diameter: 0.25

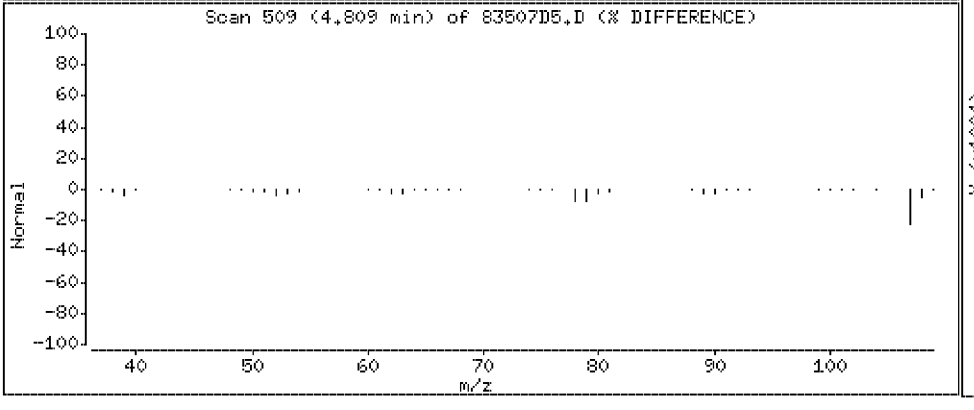
29 o-Toluidine

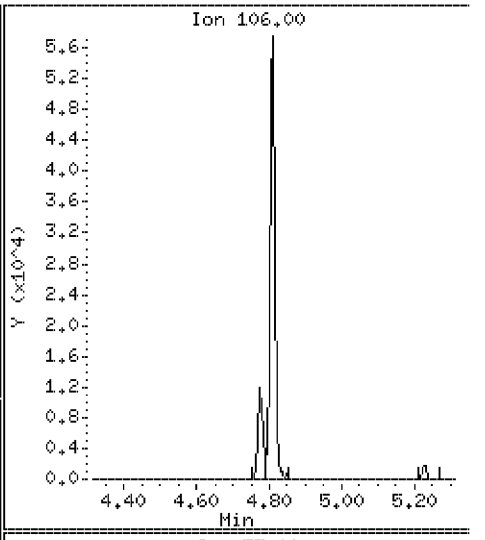
Concentration: 1120 ug/kg

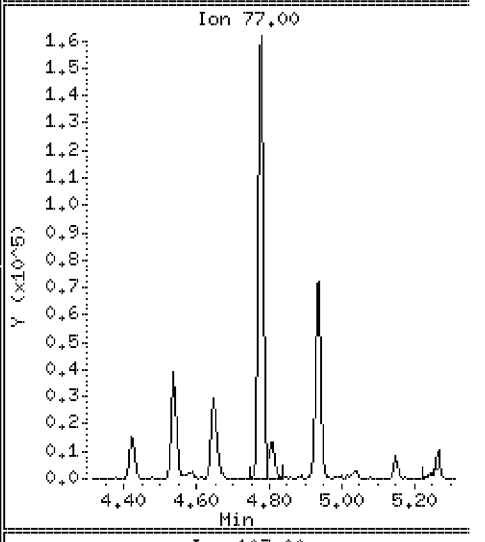


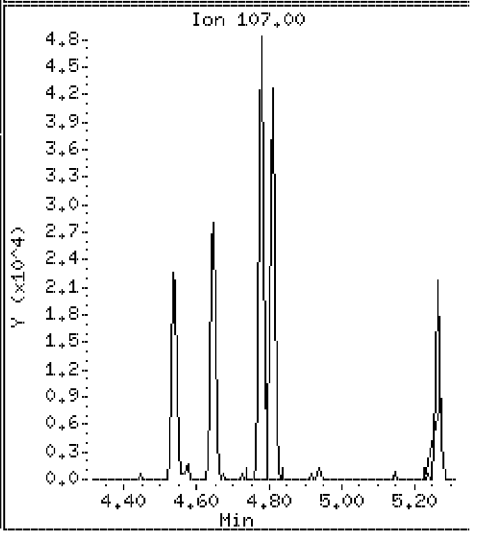












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

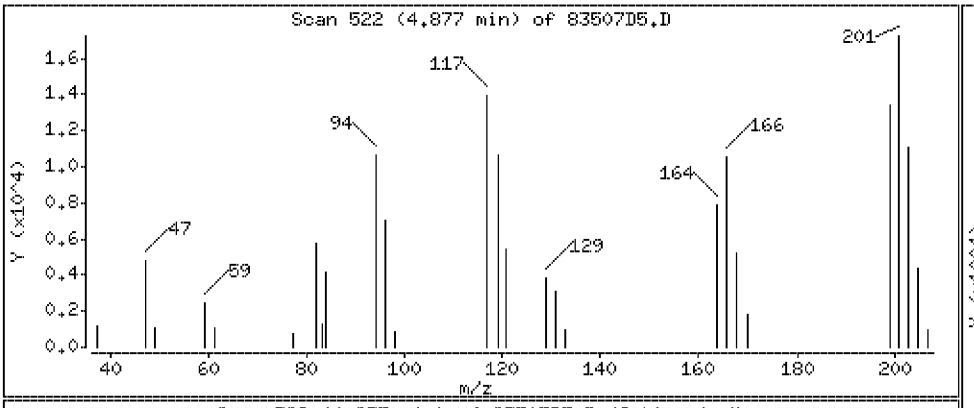
Operator: PEL

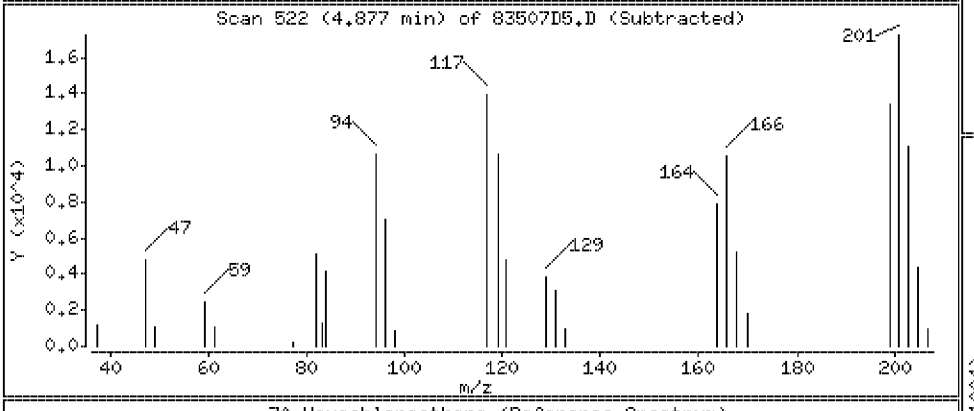
Column phase: HPMS-5

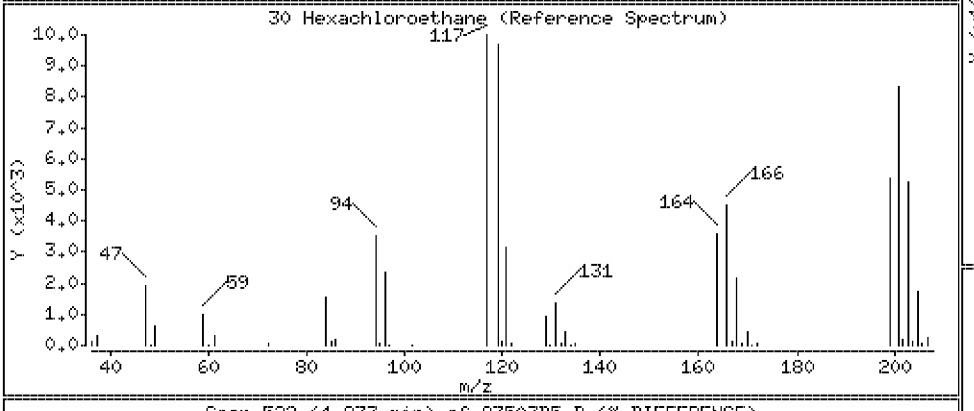
Column diameter: 0.25

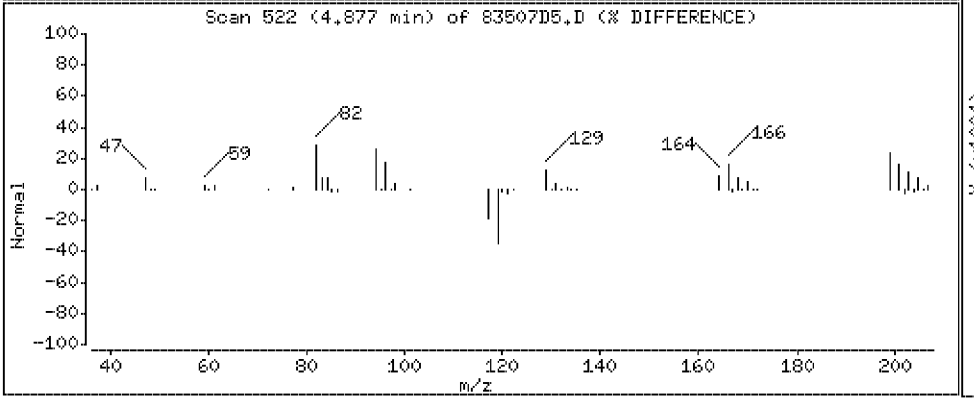
30 Hexachloroethane

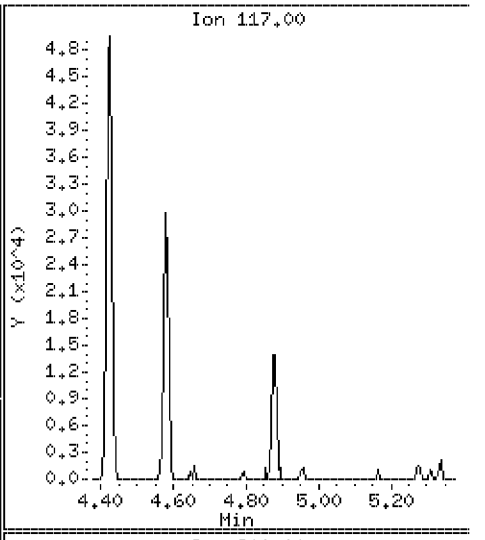
Concentration: 1030 ug/kg

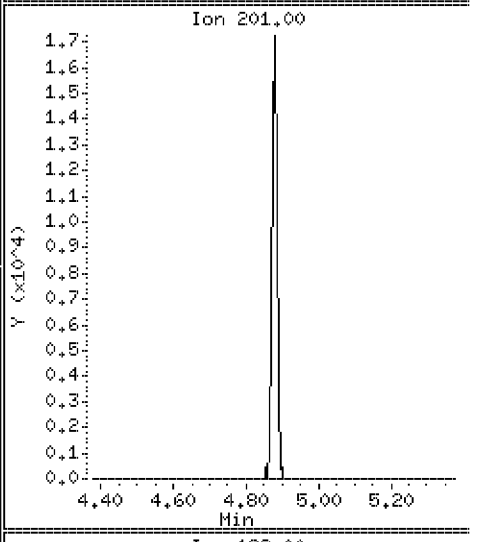


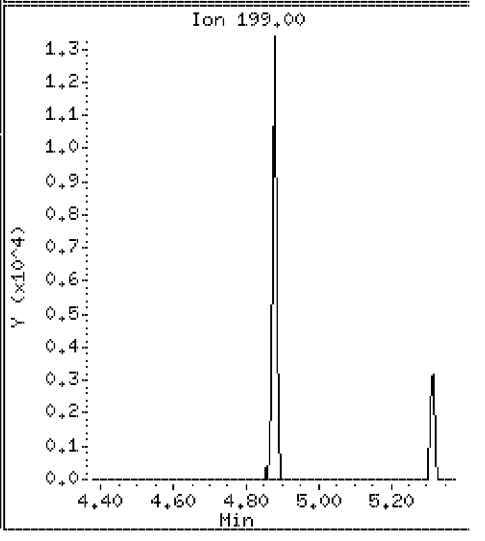












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

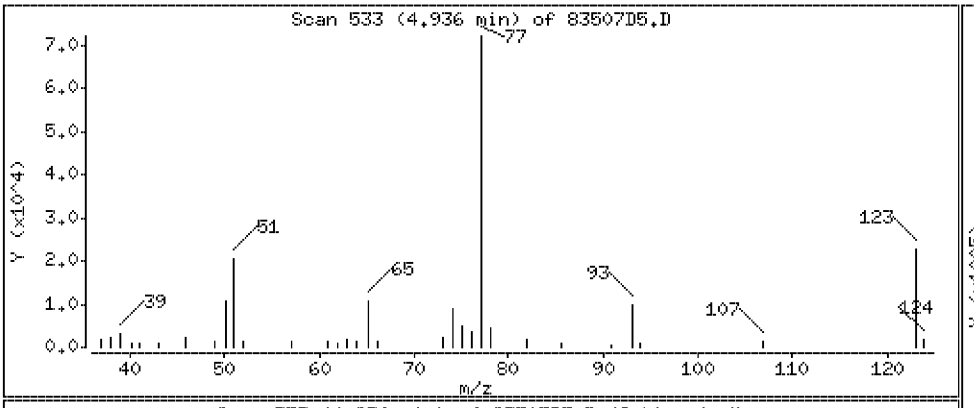
Operator: PEL

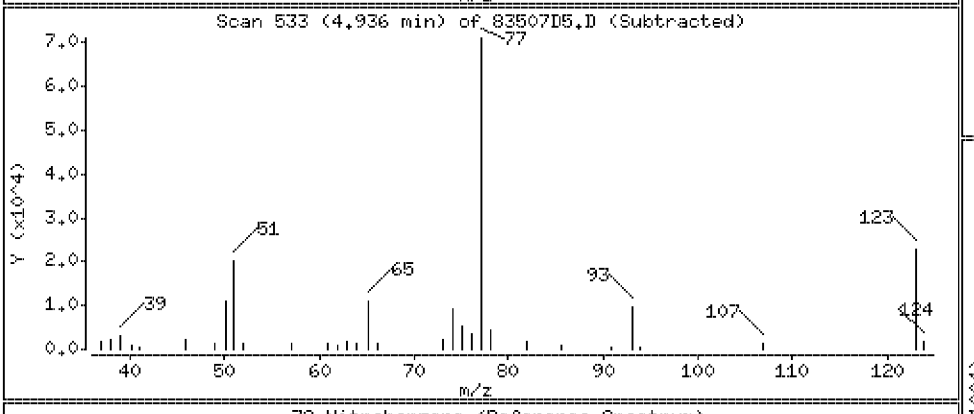
Column phase: HPMS-5

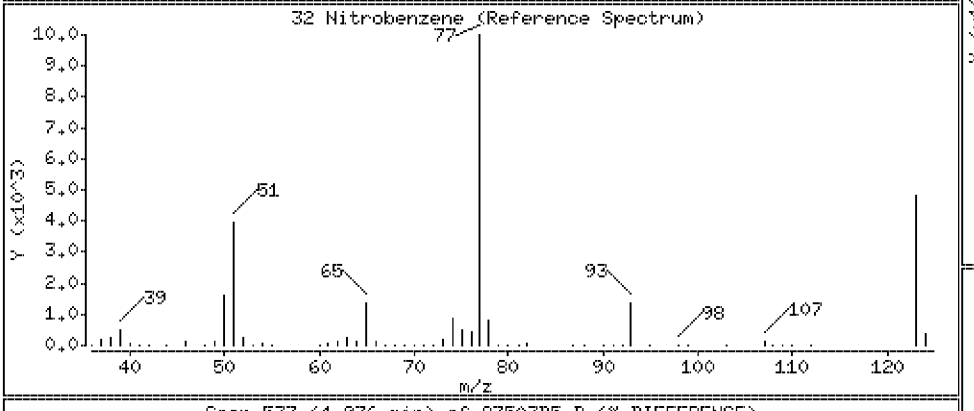
Column diameter: 0.25

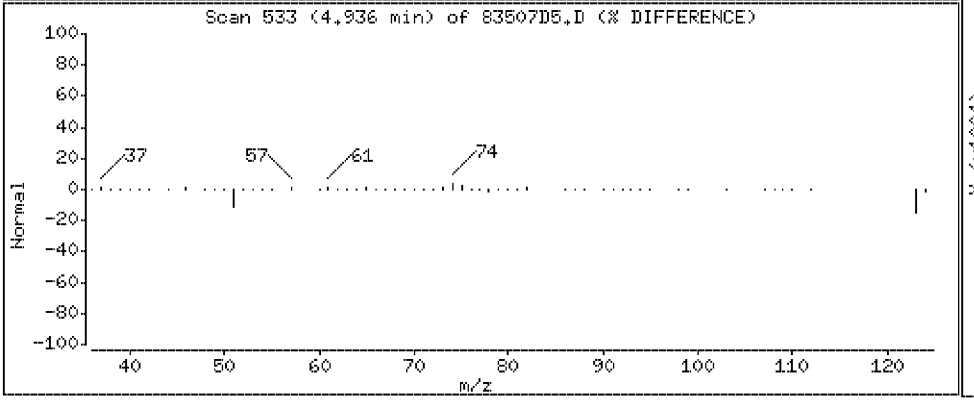
32 Nitrobenzene

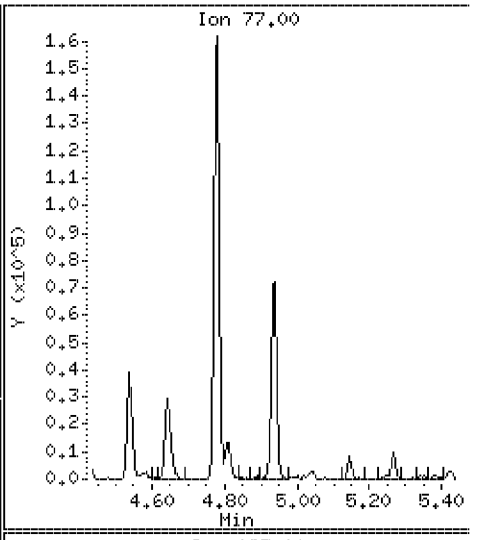
Concentration: 1800 ug/kg

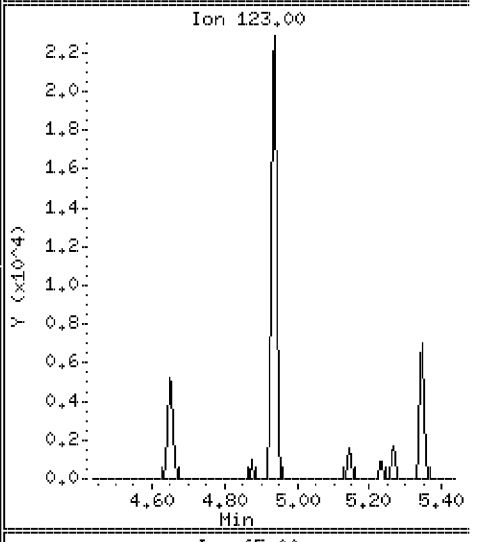


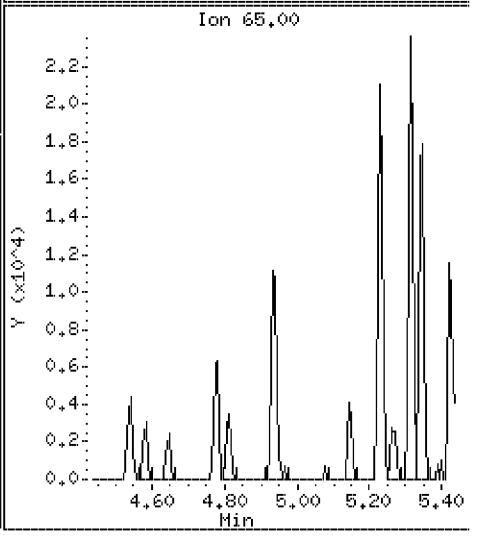












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

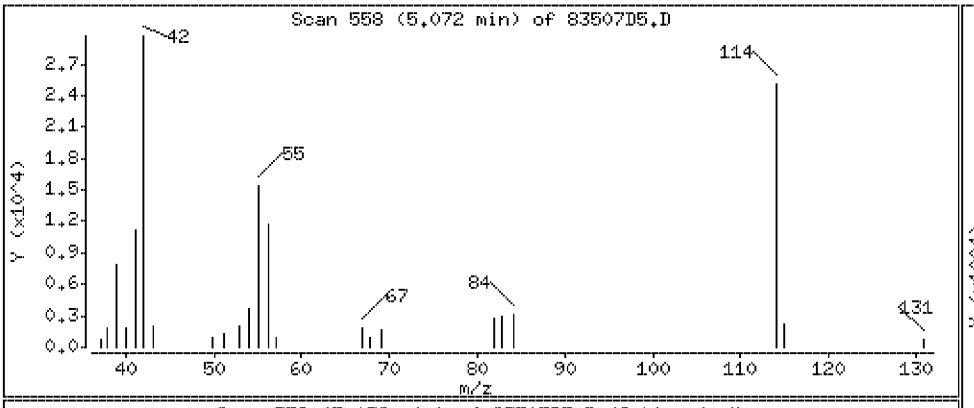
Operator: PEL

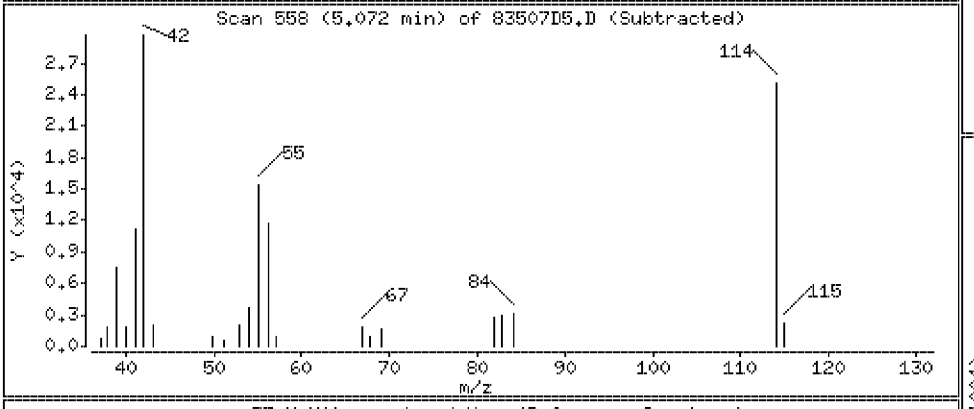
Column phase: HPMS-5

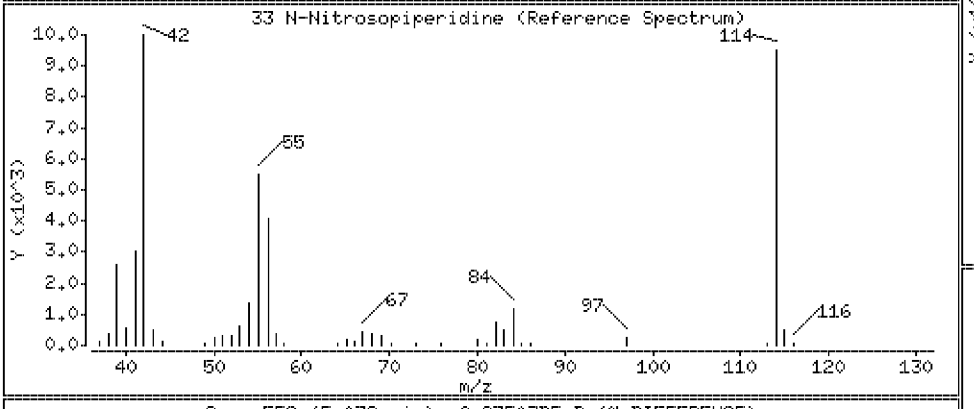
Column diameter: 0.25

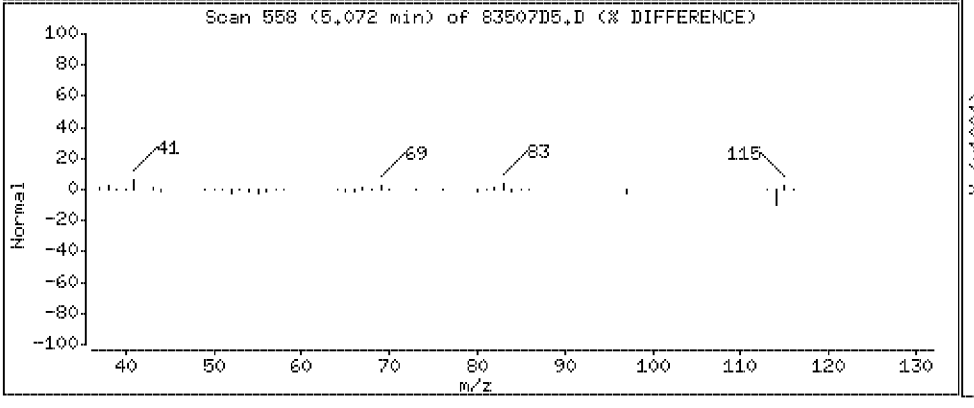
33 N-Nitrosopiperidine

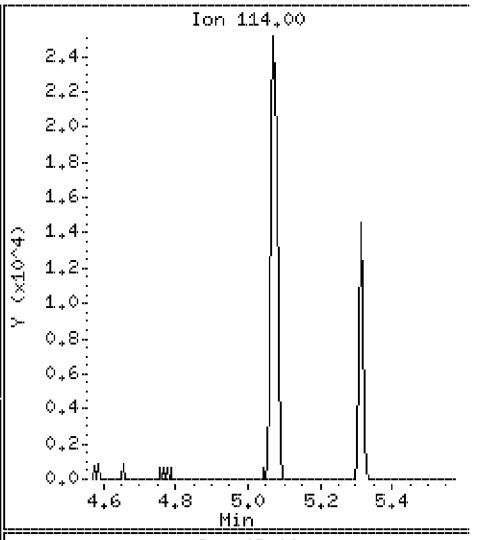
Concentration: 1860 ug/kg

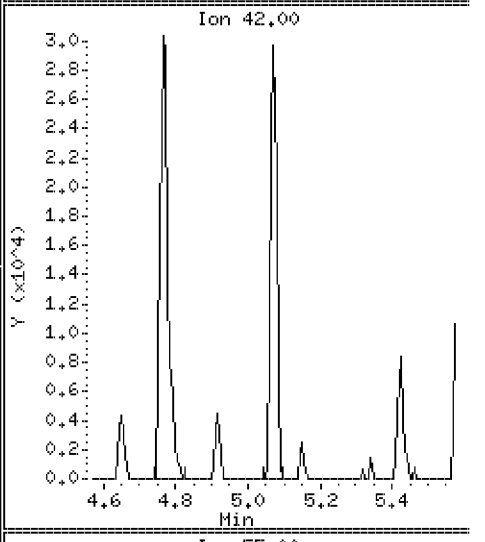


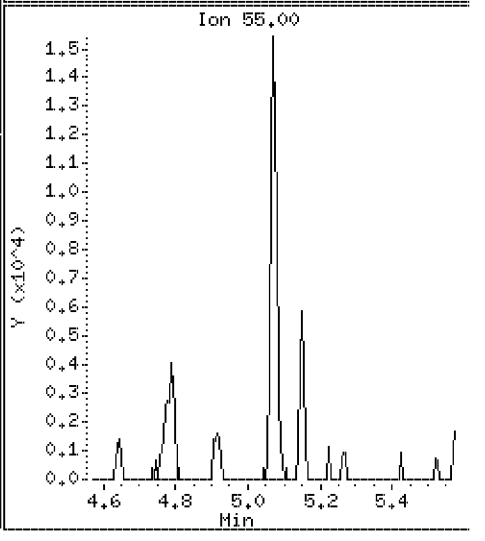












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

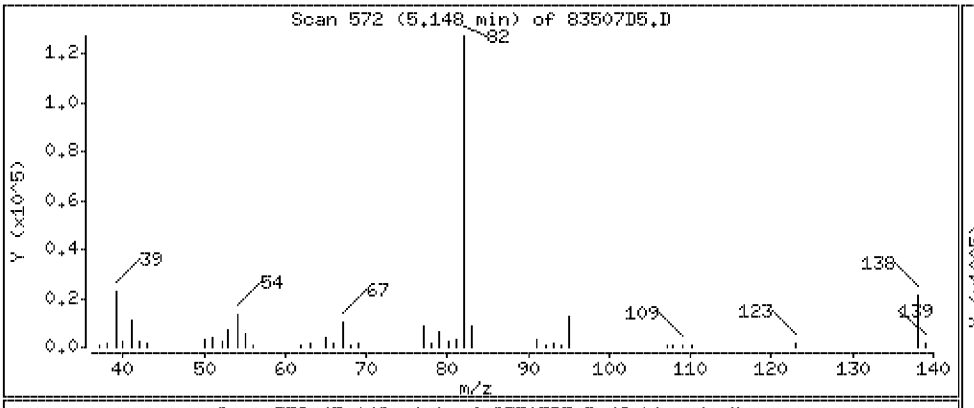
Operator: PEL

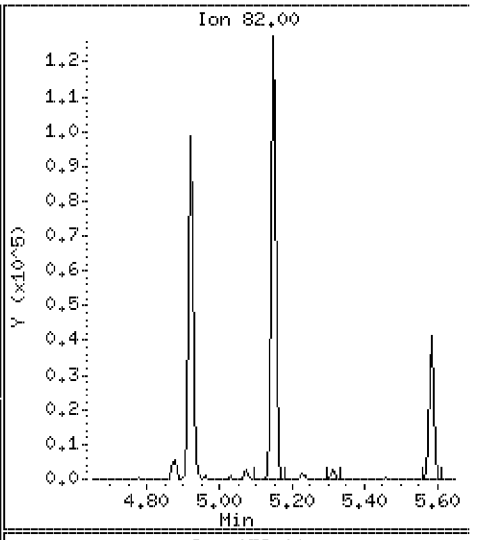
Column phase: HPMS-5

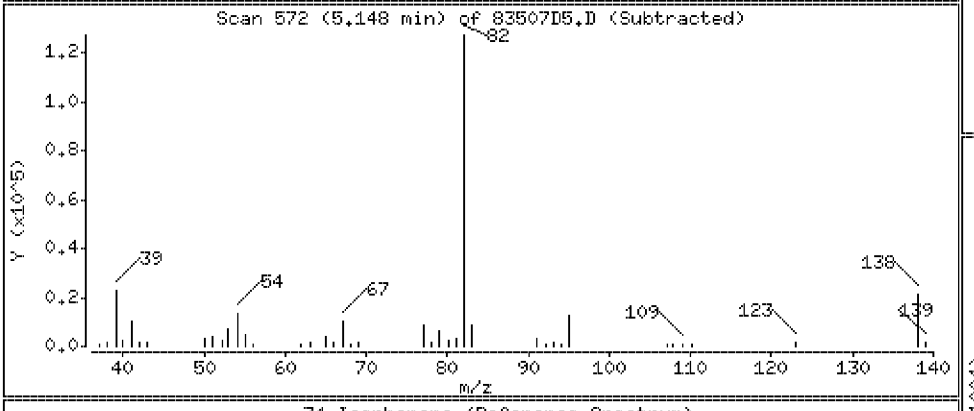
Column diameter: 0.25

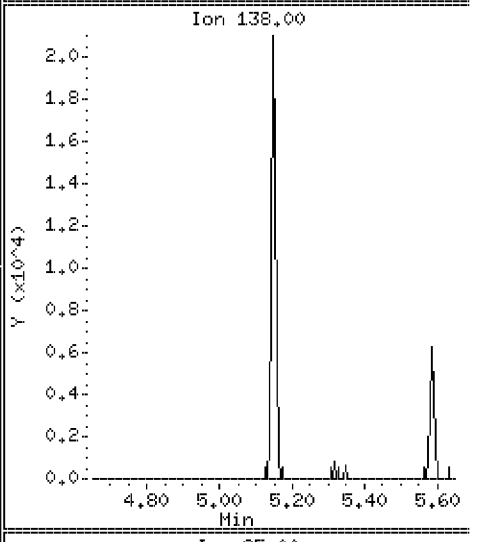
34 Isophorone

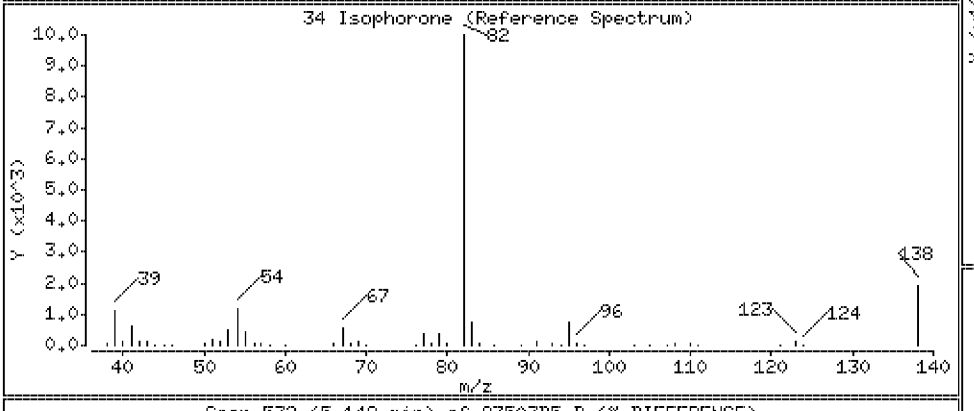
Concentration: 2340 ug/kg

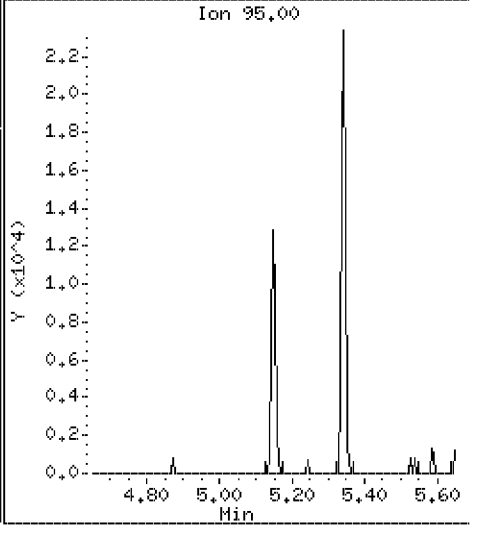


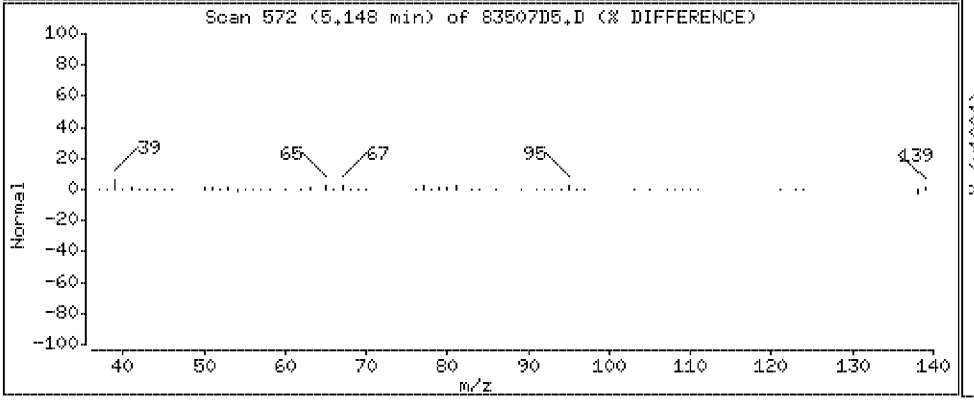












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

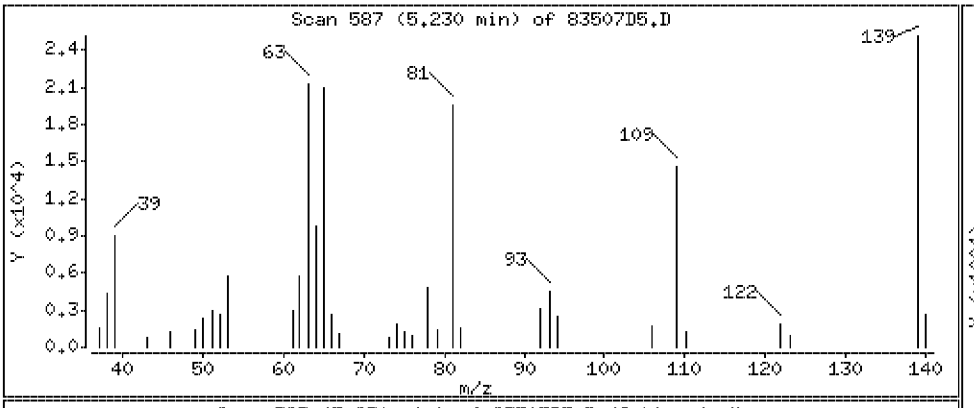
Operator: PEL

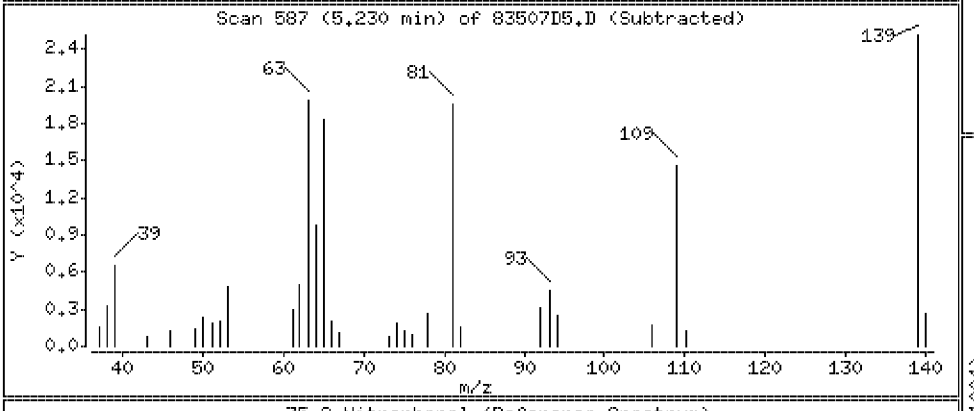
Column phase: HPMS-5

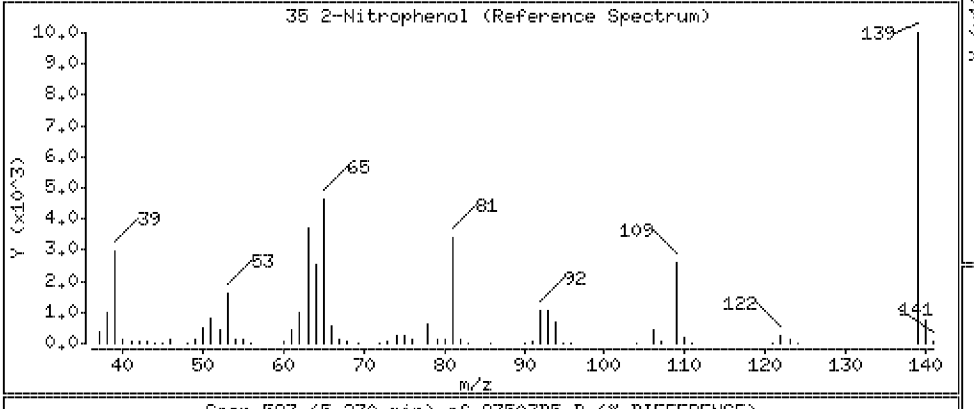
Column diameter: 0.25

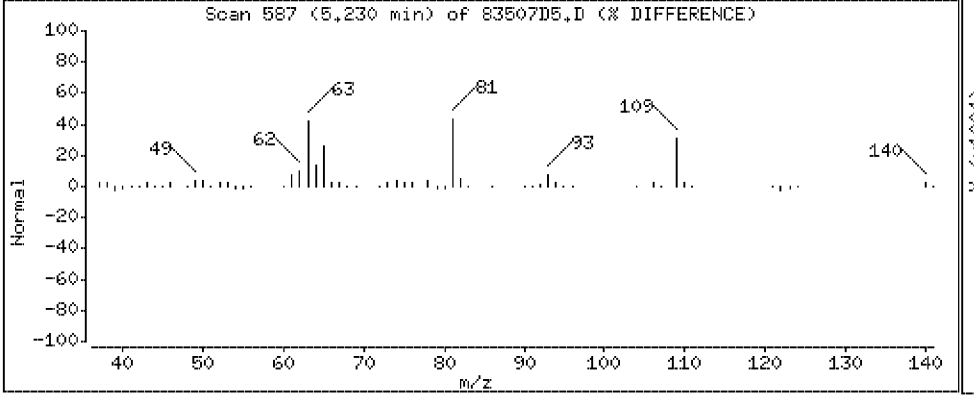
35 2-Nitrophenol

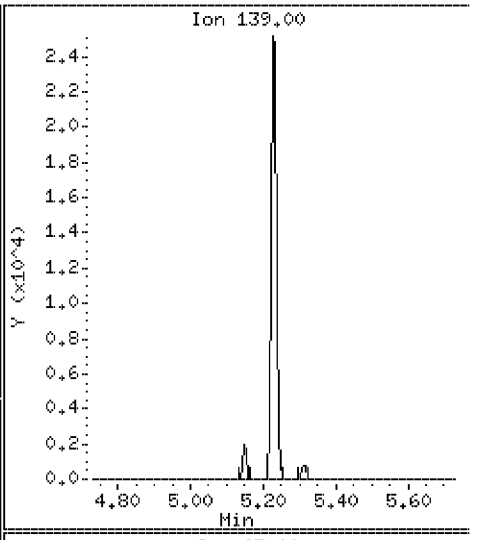
Concentration: 1630 ug/kg

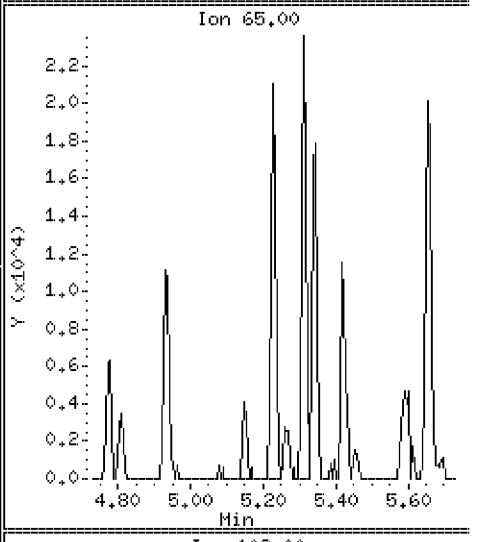


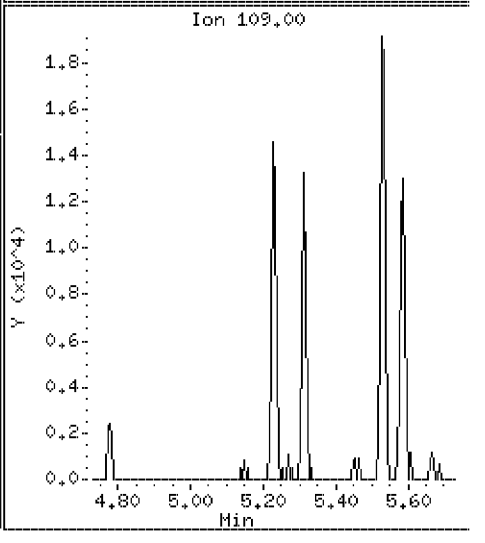












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

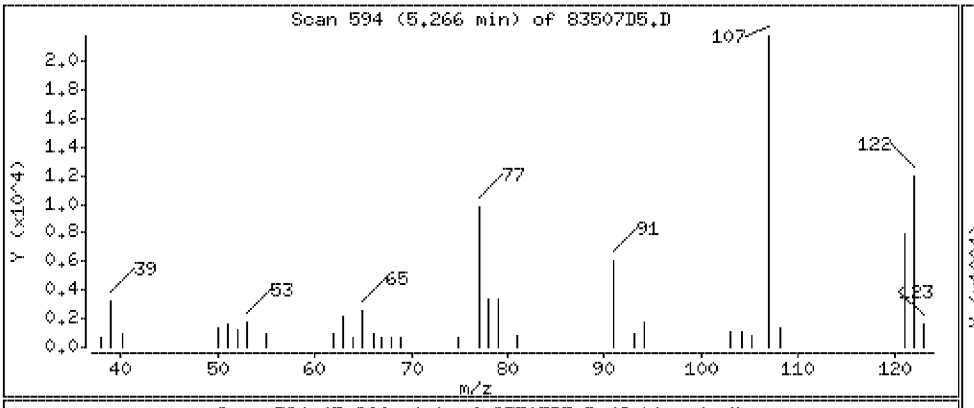
Operator: PEL

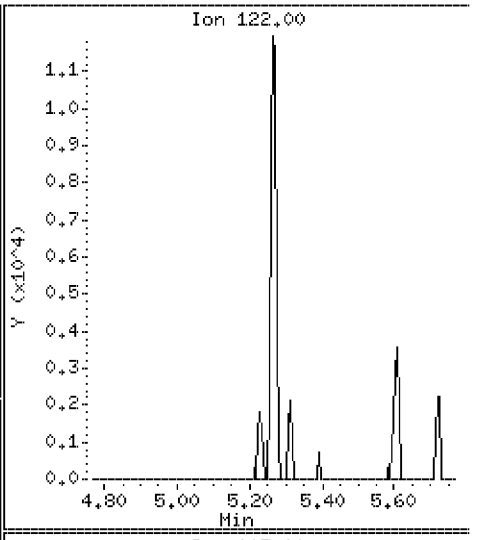
Column phase: HPMS-5

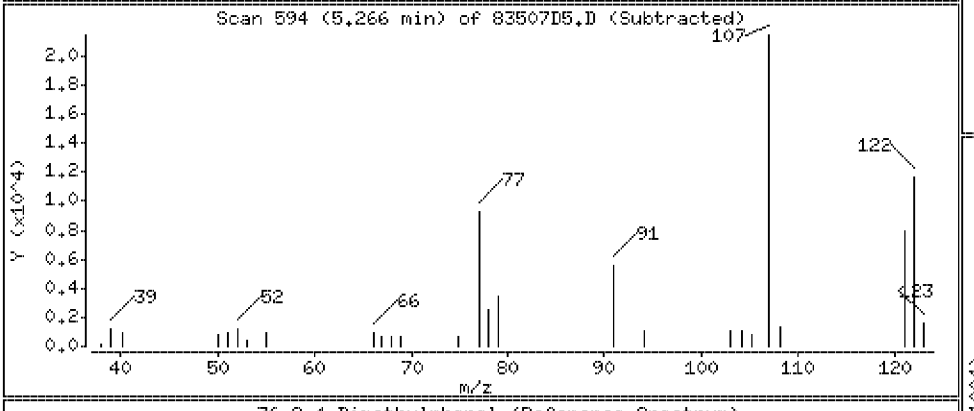
Column diameter: 0.25

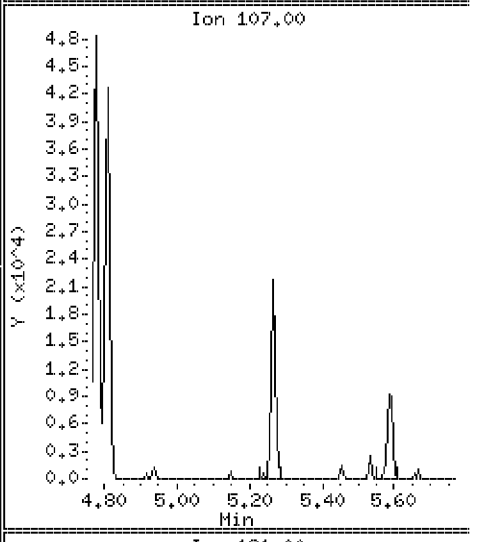
36 2,4-Dimethylphenol

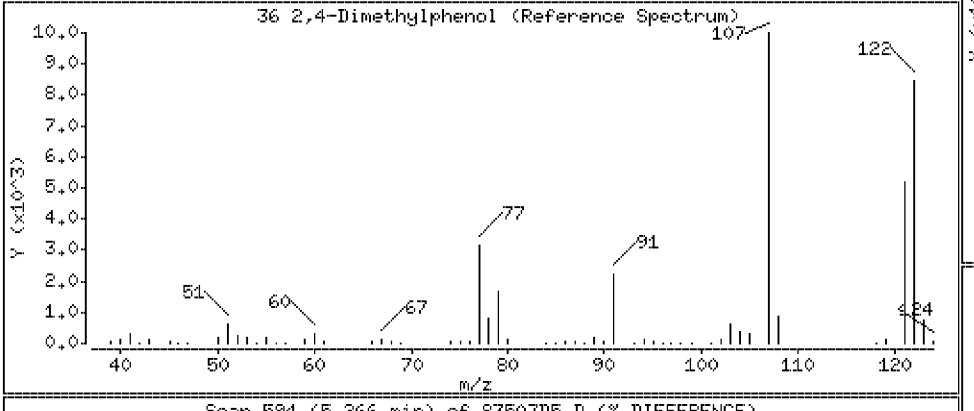
Concentration: 528 ug/kg

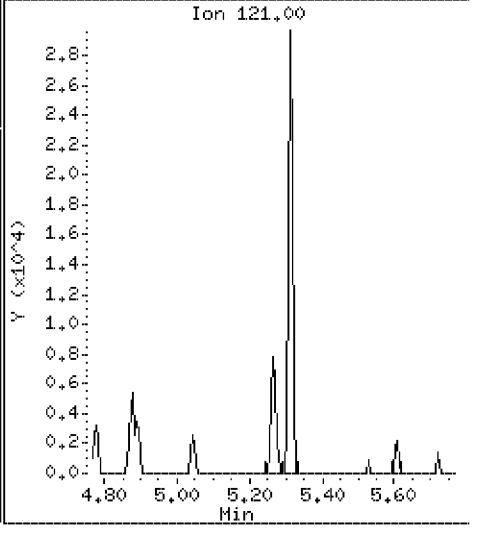


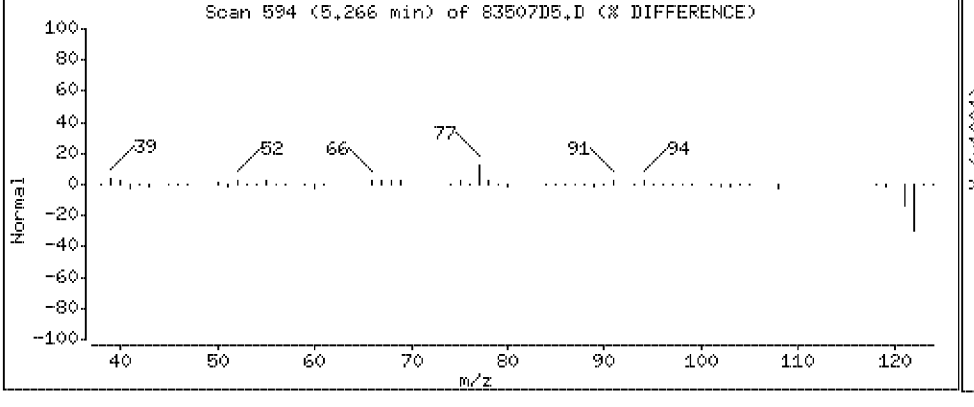












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

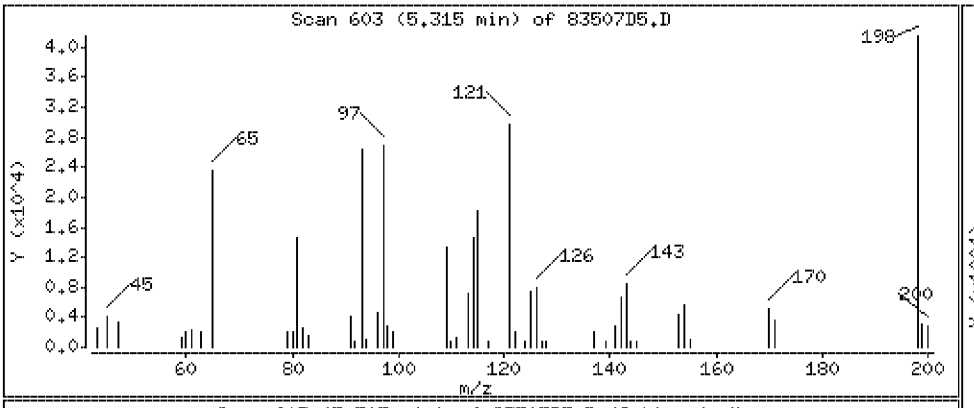
Operator: PEL

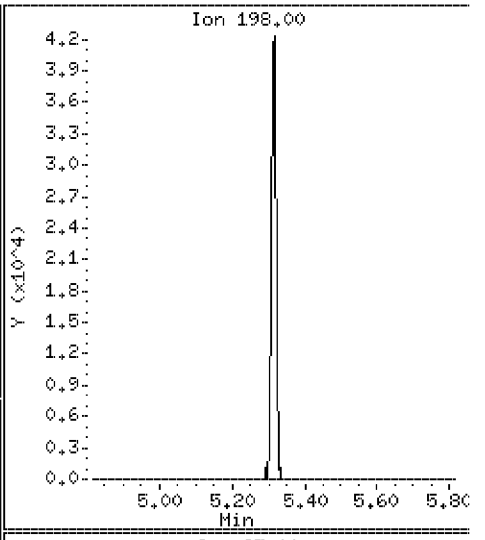
Column phase: HPMS-5

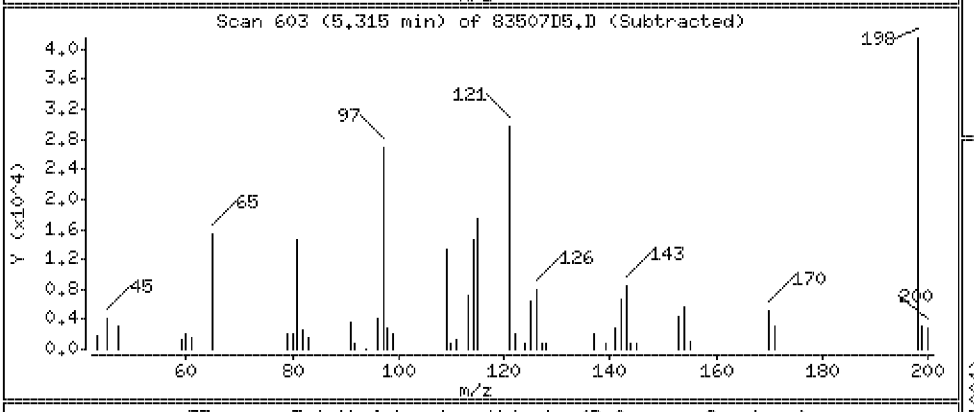
Column diameter: 0.25

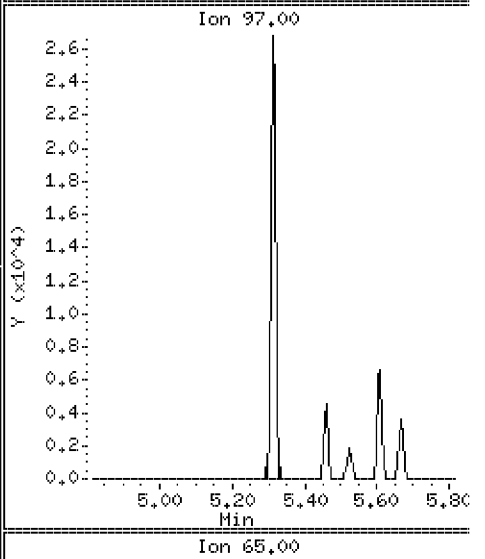
37 o,o,o-Triethylphosphorothioate

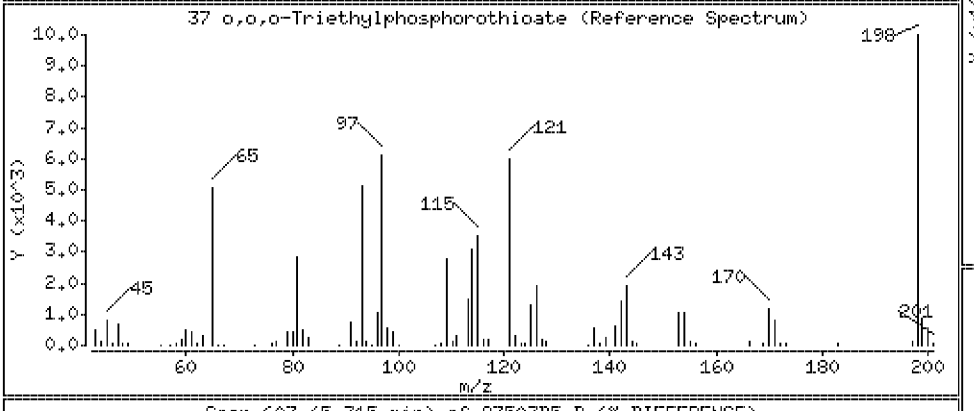
Concentration: 1760 ug/kg

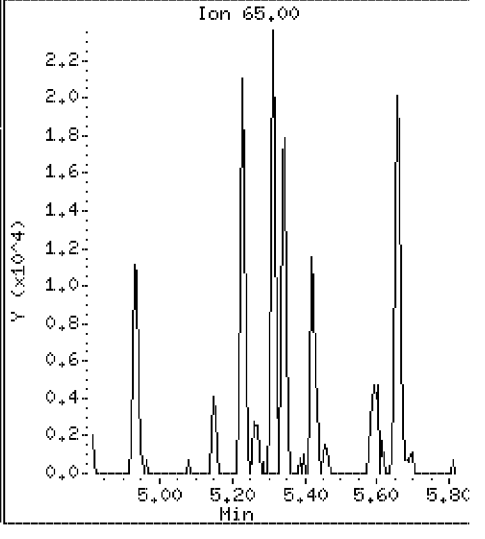


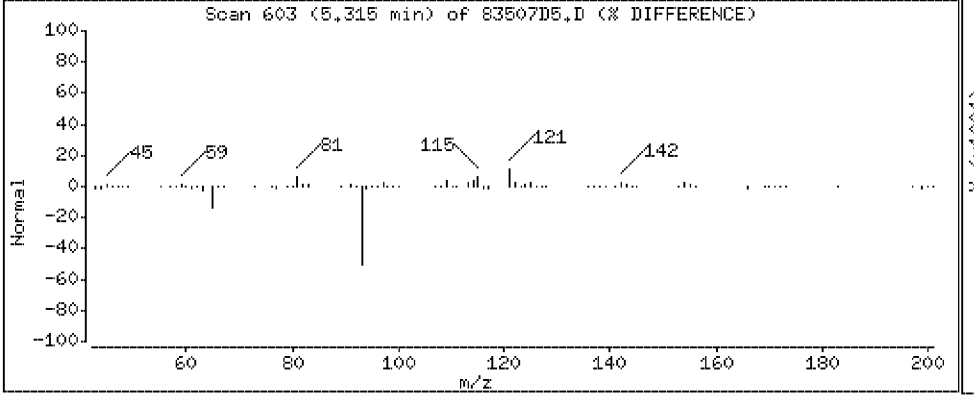












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

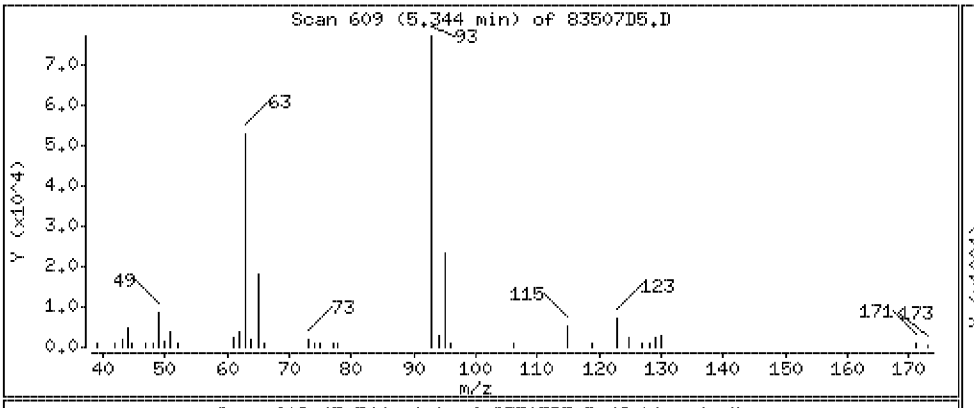
Operator: PEL

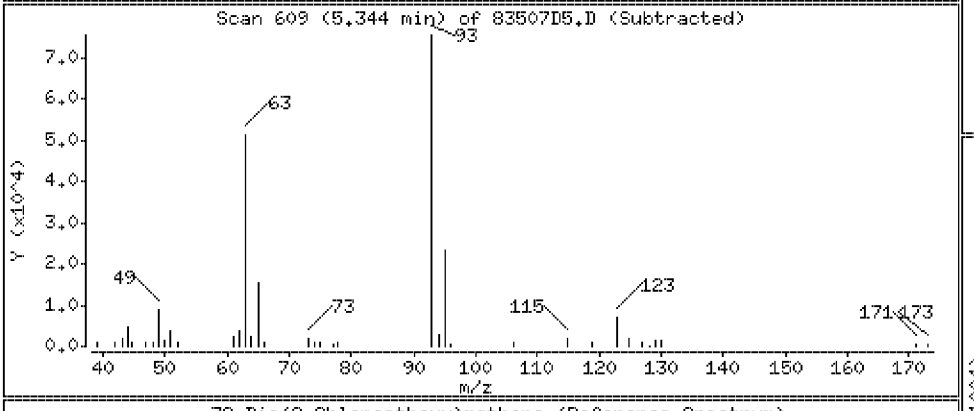
Column phase: HPMS-5

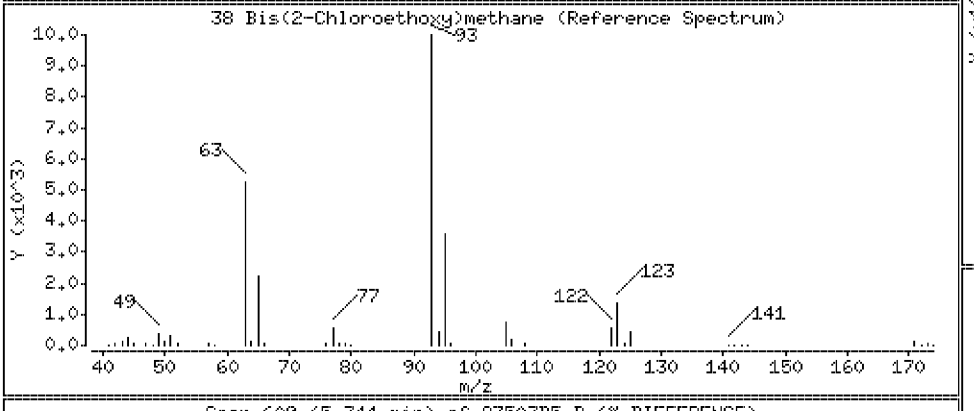
Column diameter: 0.25

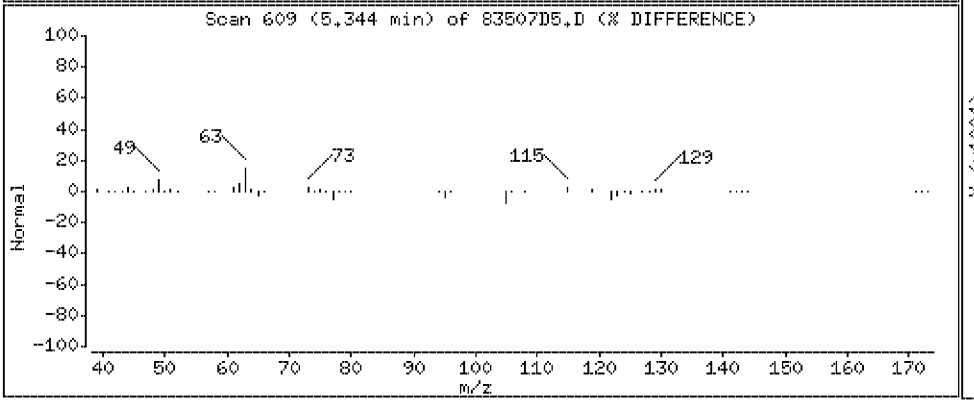
38 Bis(2-Chloroethoxy)methane

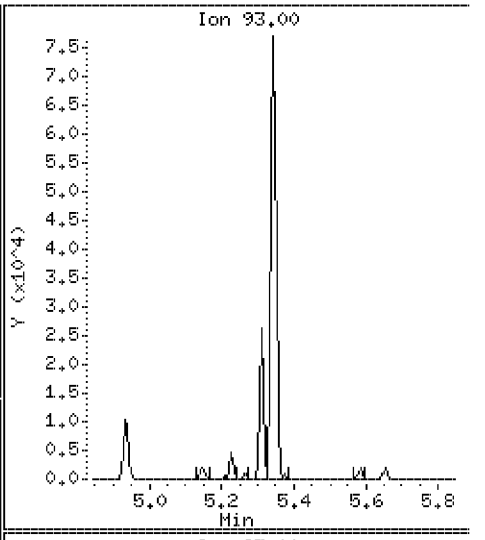
Concentration: 1870 ug/kg

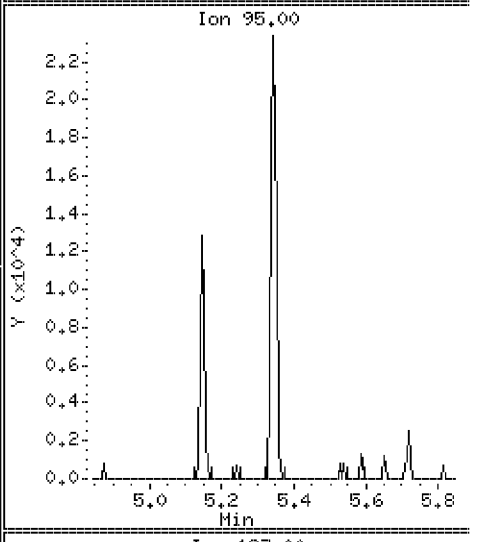


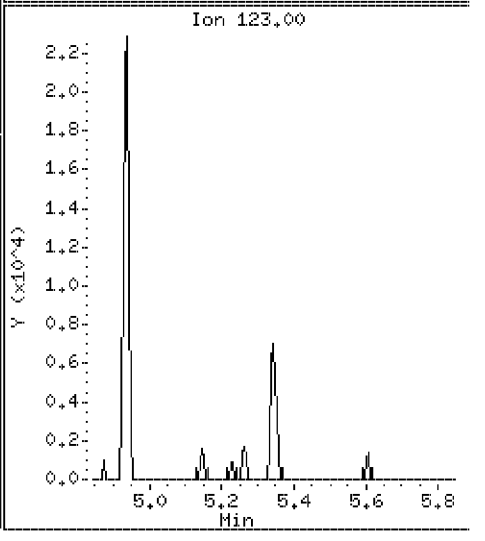












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

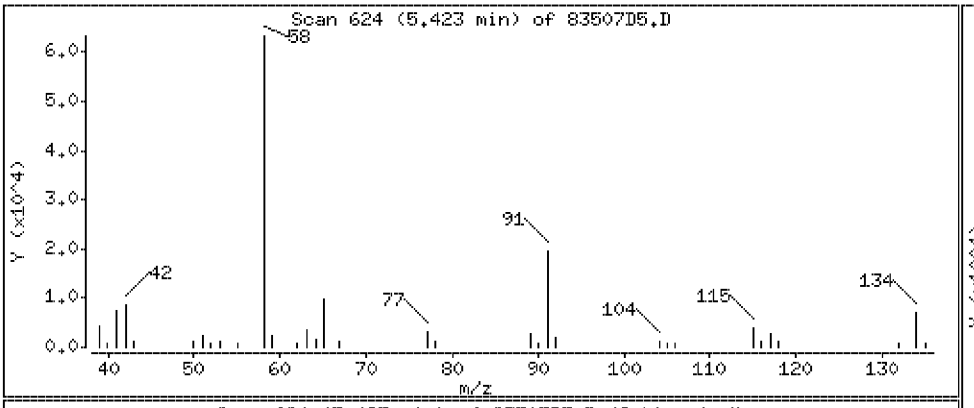
Operator: PEL

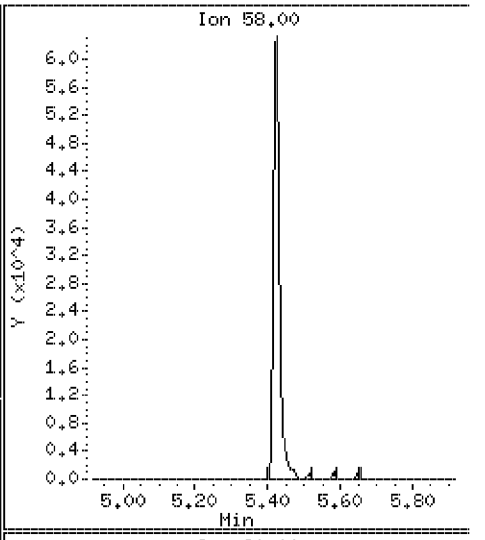
Column phase: HPMS-5

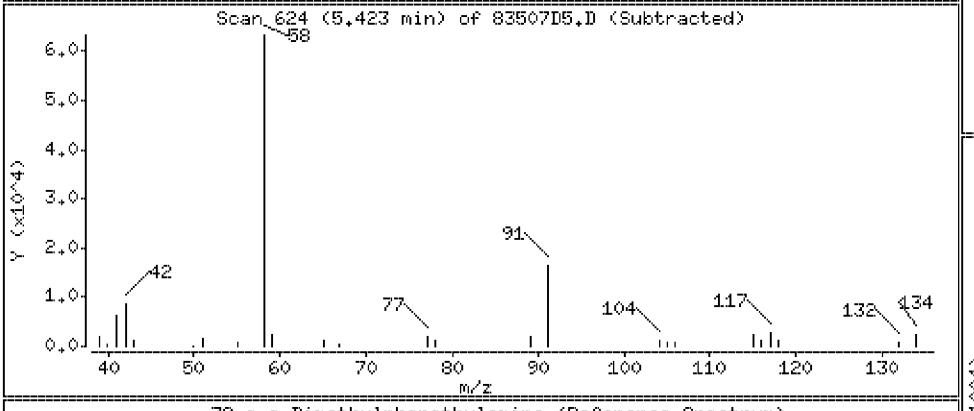
Column diameter: 0.25

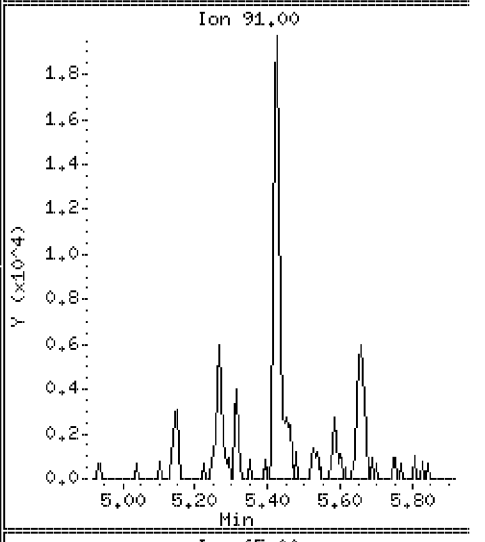
39 a,a-Dimethylphenethylamine

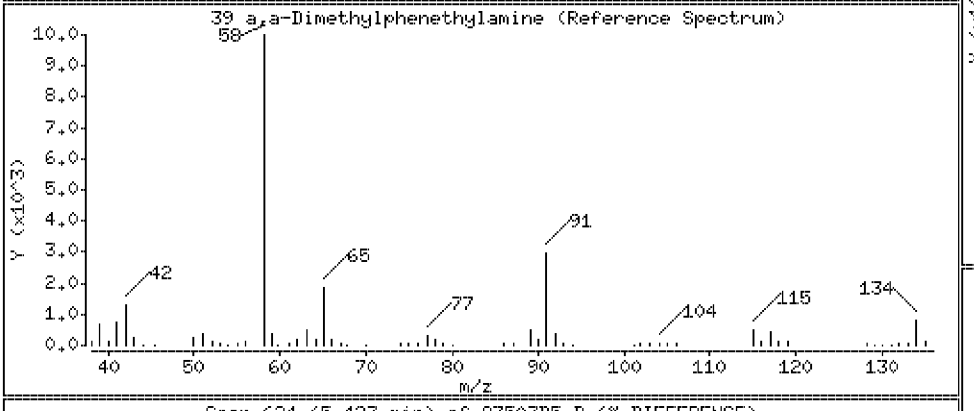
Concentration: 1560 ug/kg

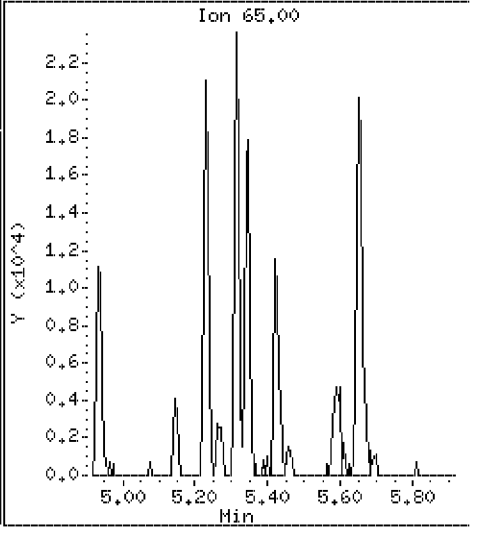


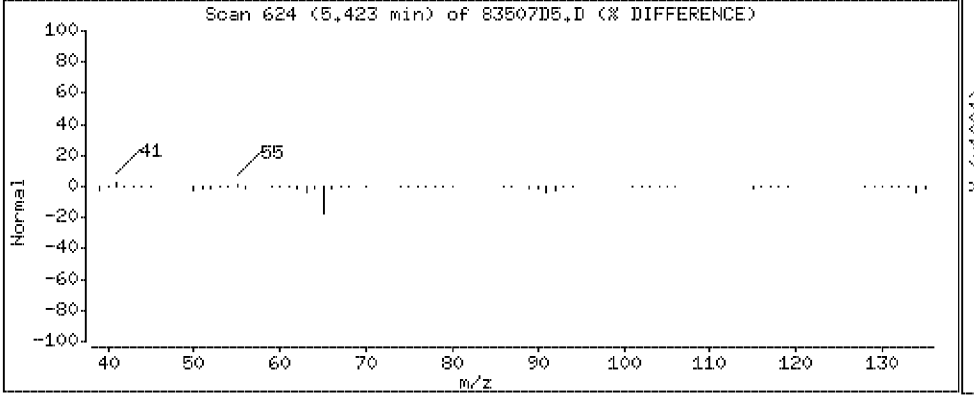












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

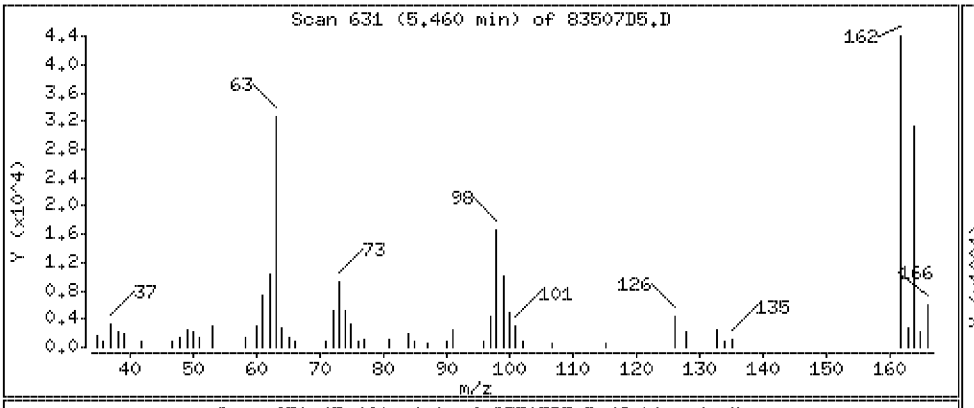
Operator: PEL

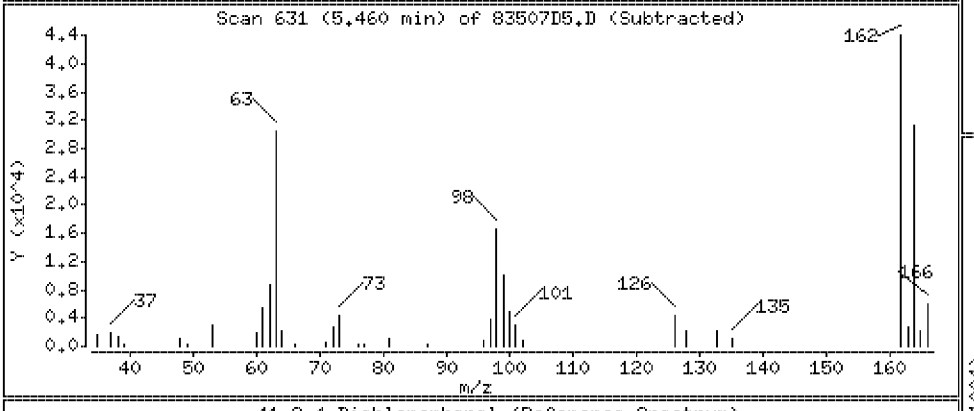
Column phase: HPMS-5

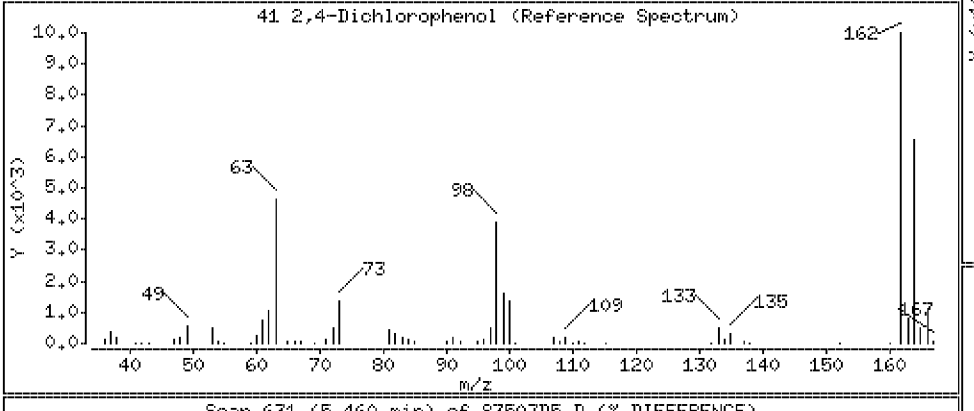
Column diameter: 0.25

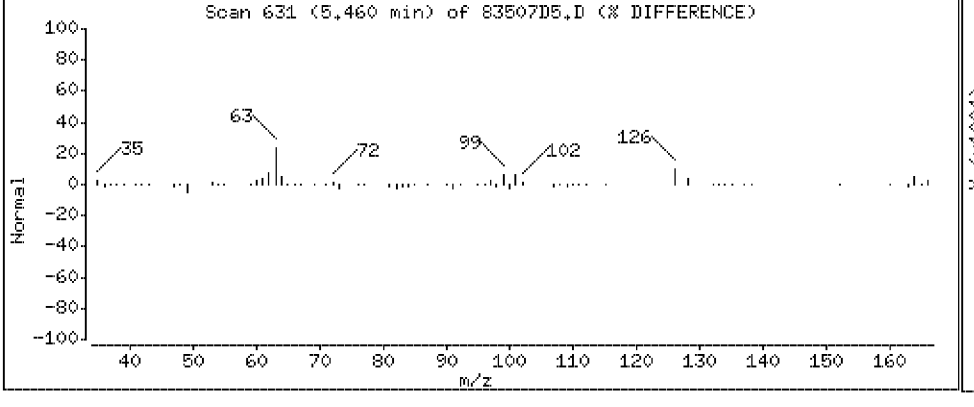
41 2,4-Dichlorophenol

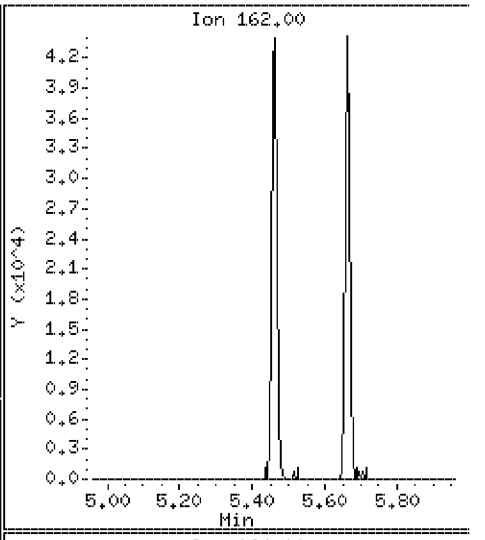
Concentration: 1560 ug/kg

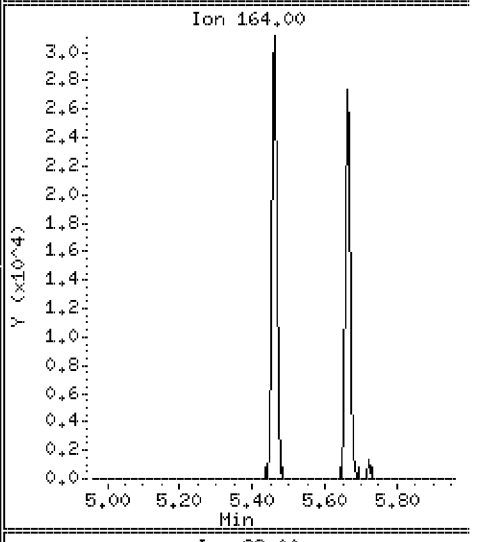


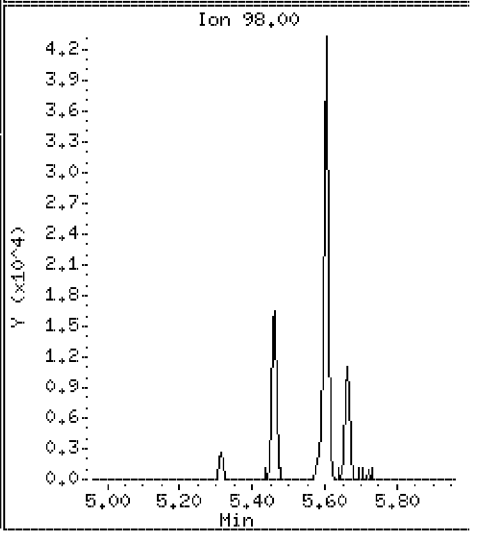












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

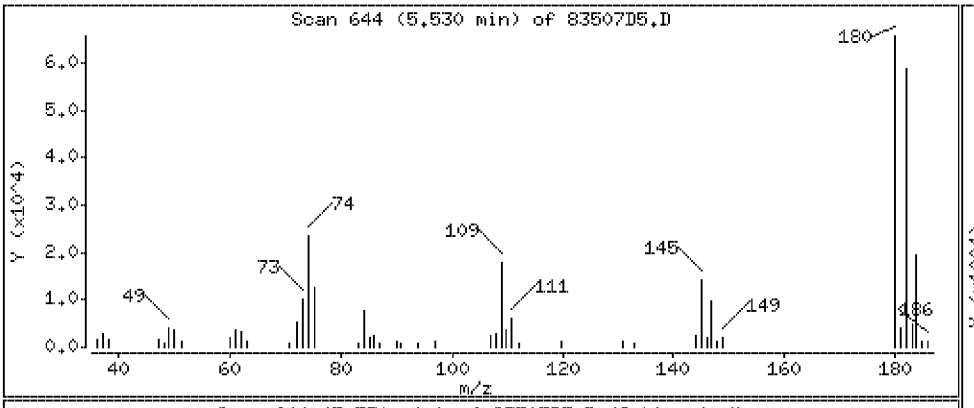
Operator: PEL

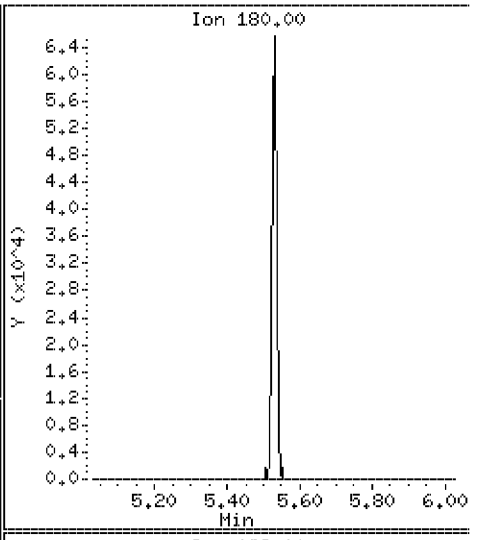
Column phase: HPMS-5

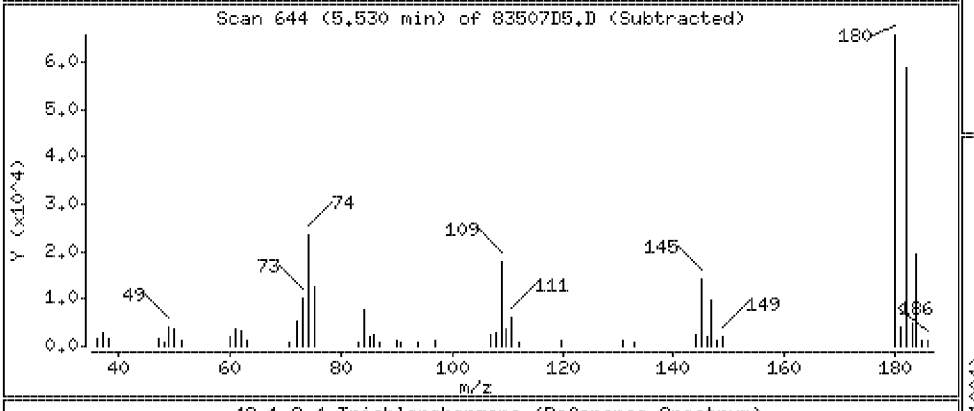
Column diameter: 0.25

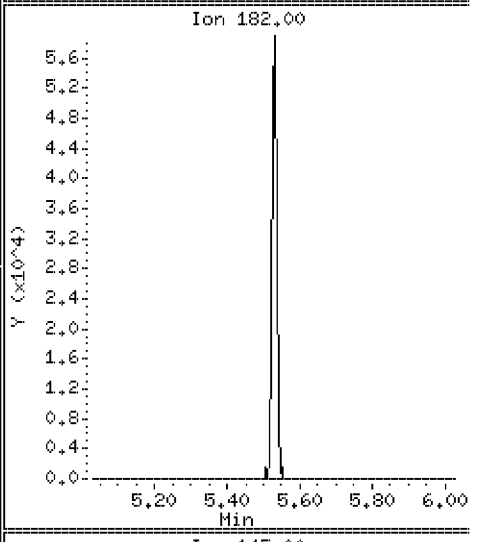
42 1,2,4-Trichlorobenzene

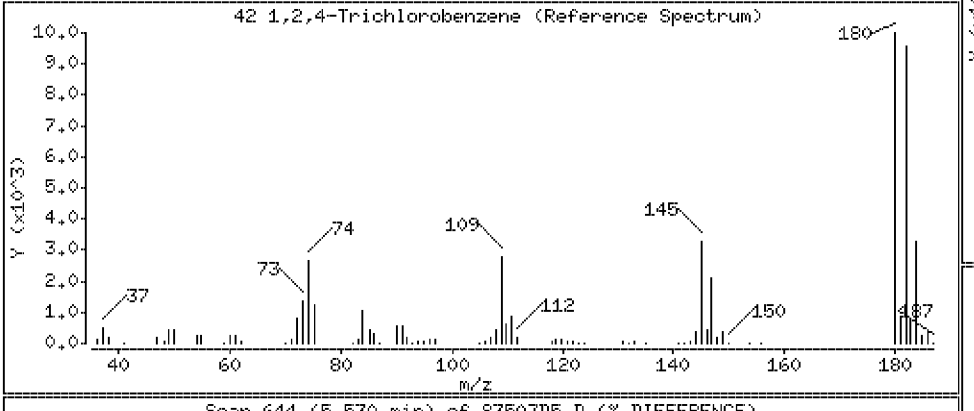
Concentration: 1670 ug/kg

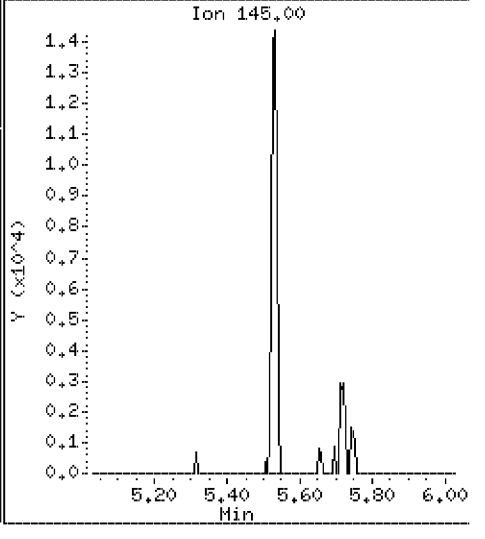


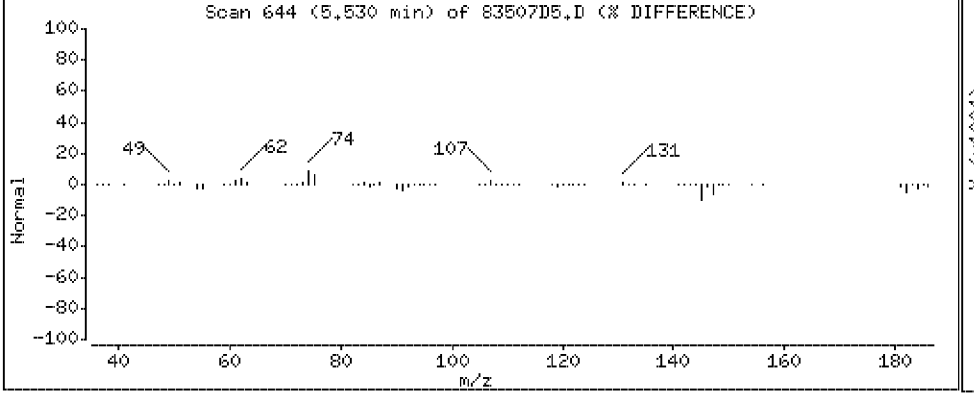












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

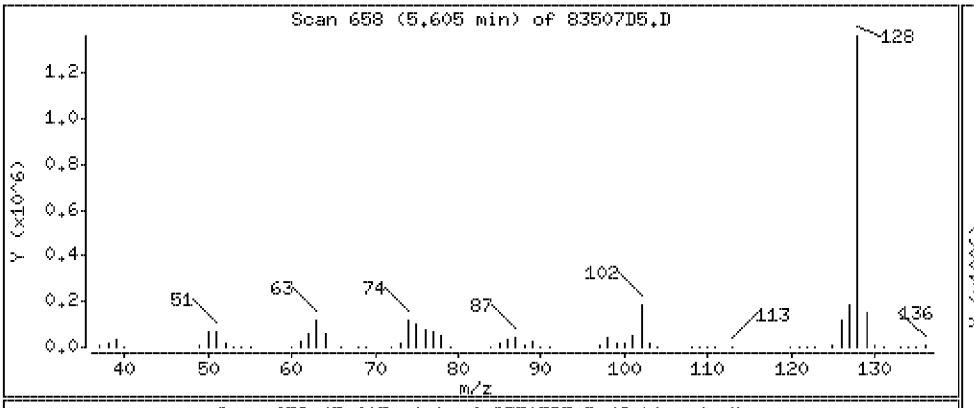
Operator: PEL

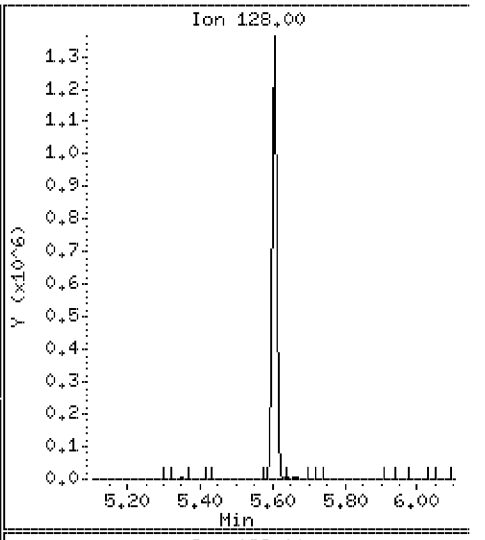
Column phase: HPMS-5

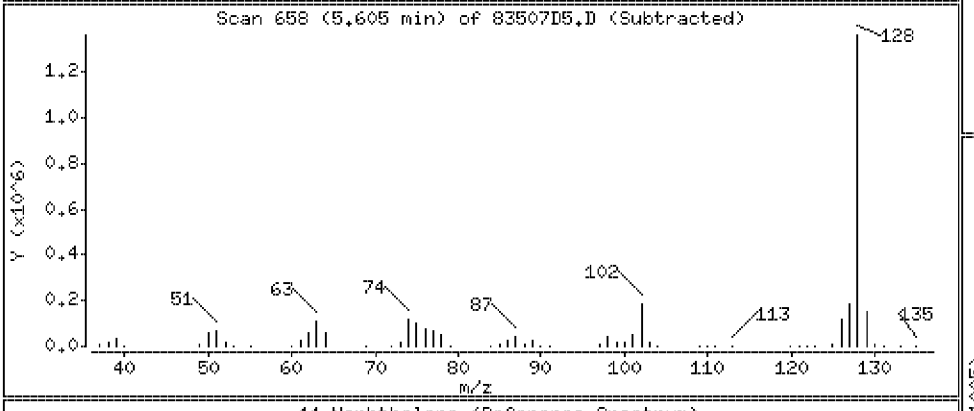
Column diameter: 0.25

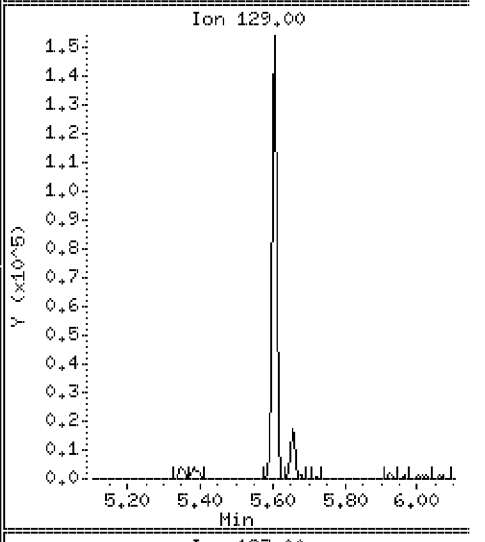
44 Naphthalene

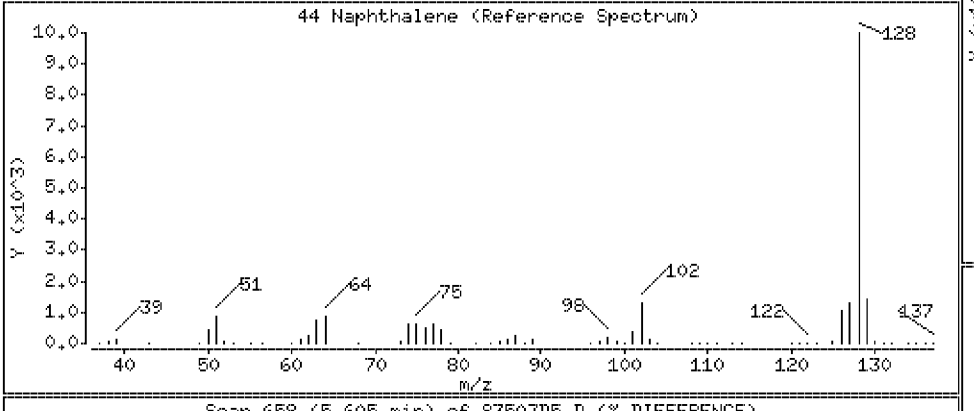
Concentration: 14600 ug/kg

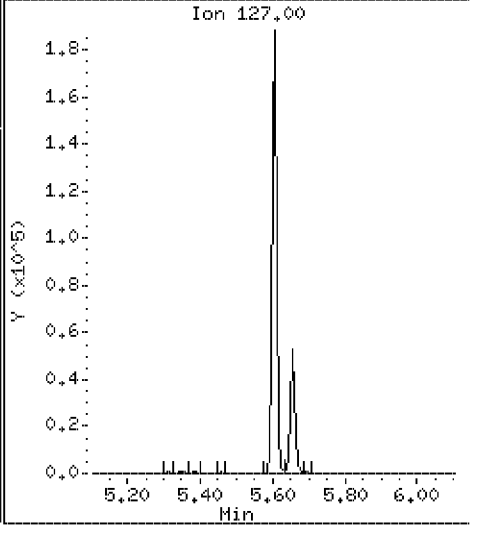


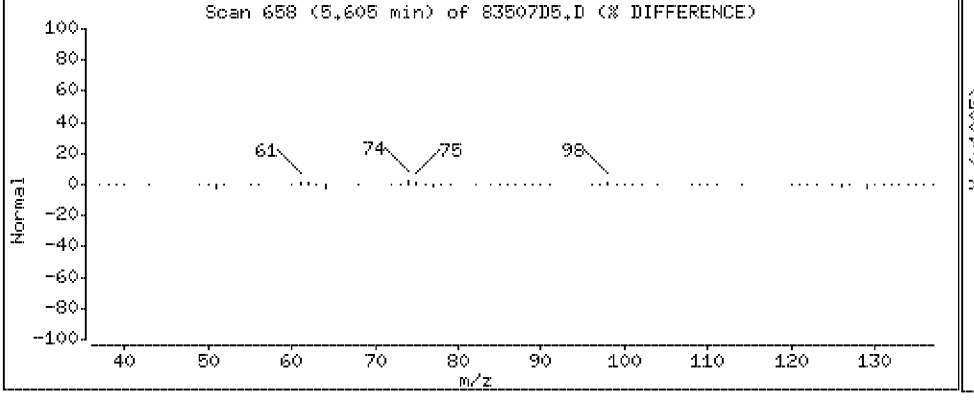












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

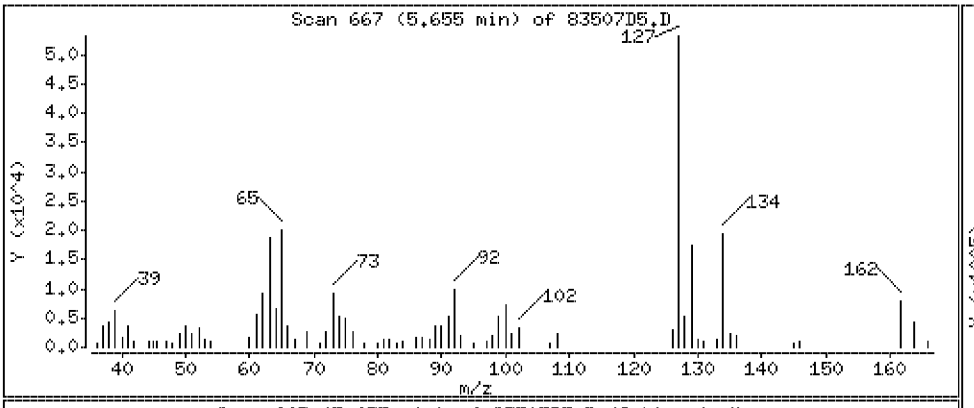
Operator: PEL

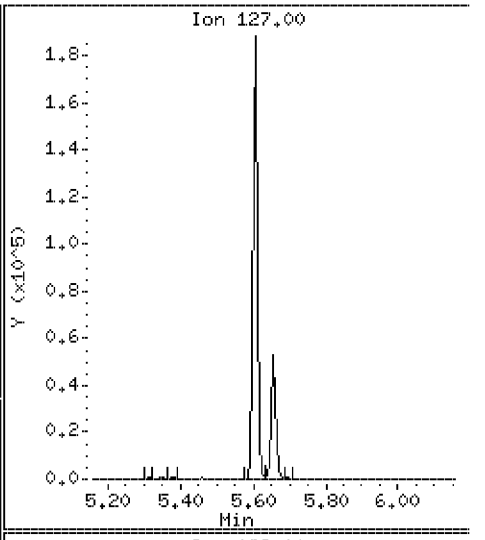
Column phase: HPMS-5

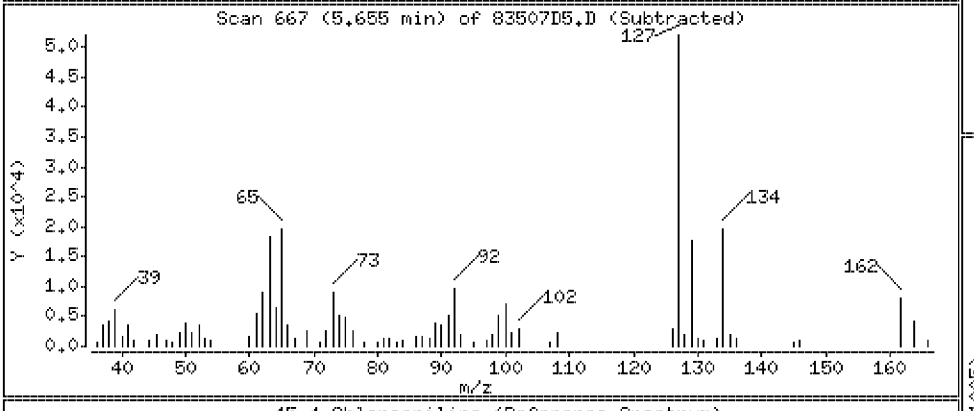
Column diameter: 0.25

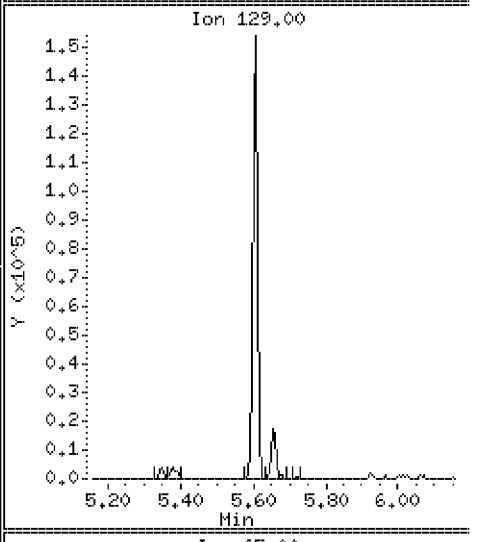
45 4-Chloroaniline

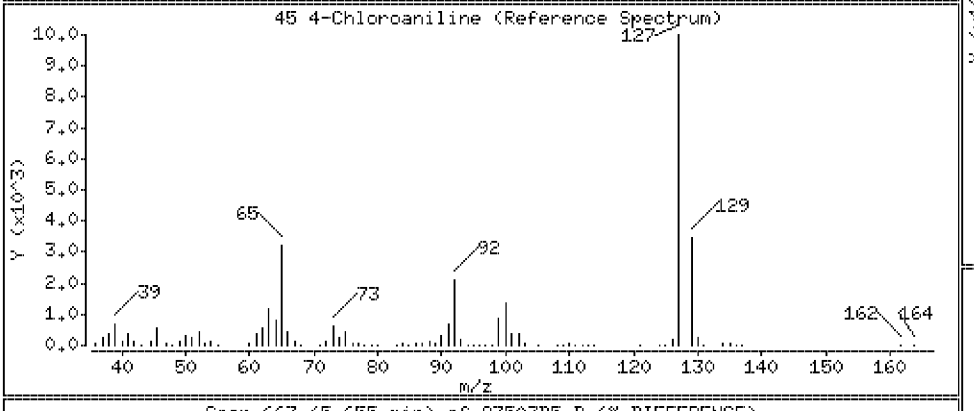
Concentration: 1390 ug/kg

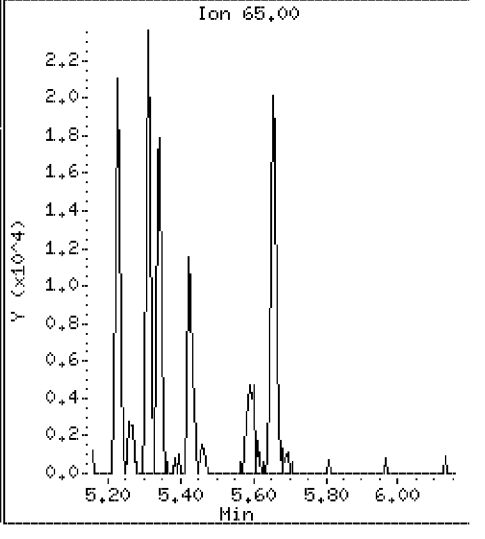


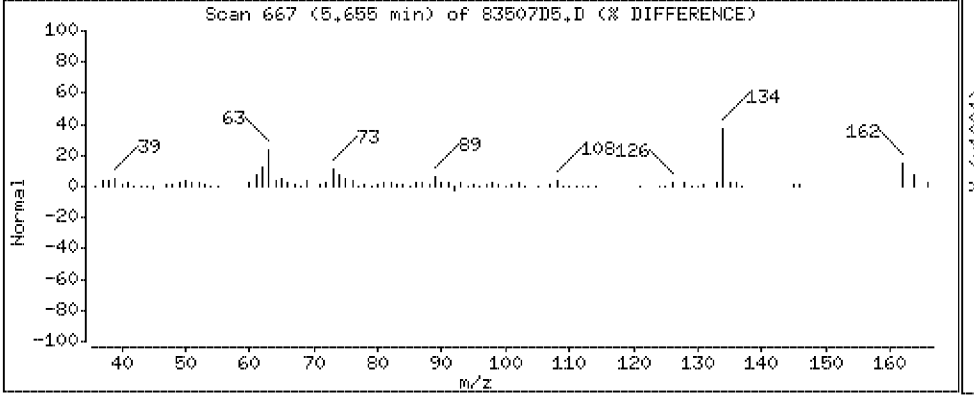












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

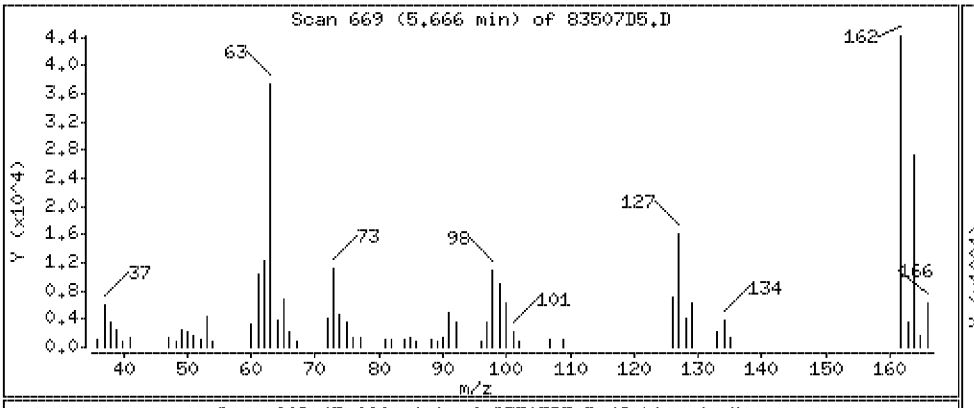
Operator: PEL

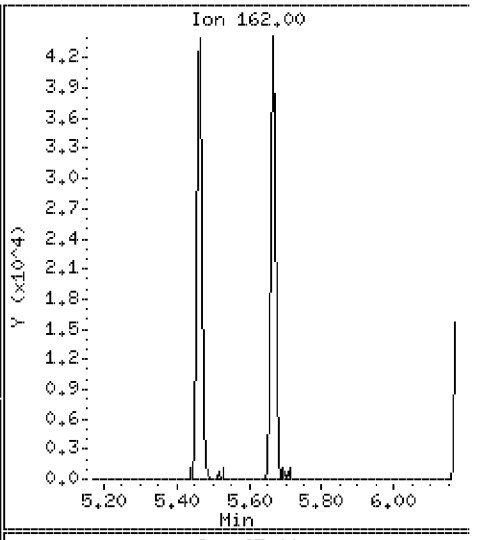
Column phase: HPMS-5

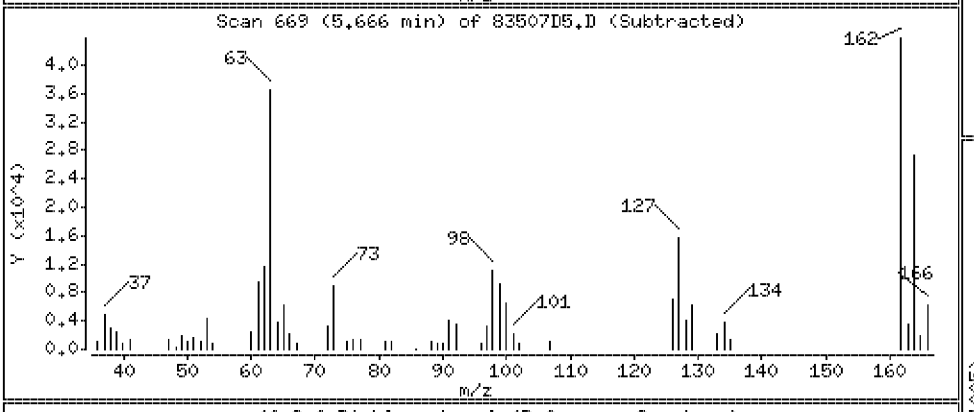
Column diameter: 0.25

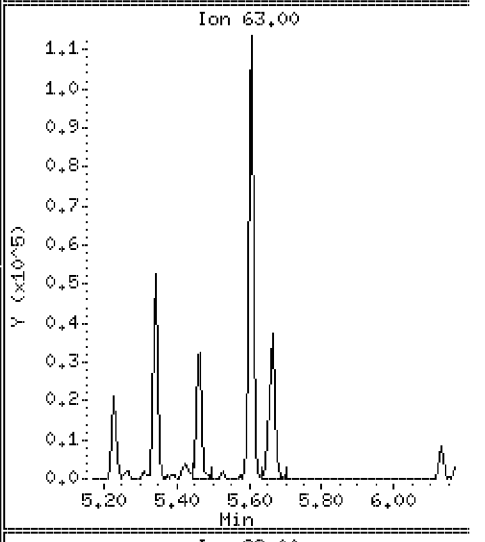
46 2,6-Dichlorophenol

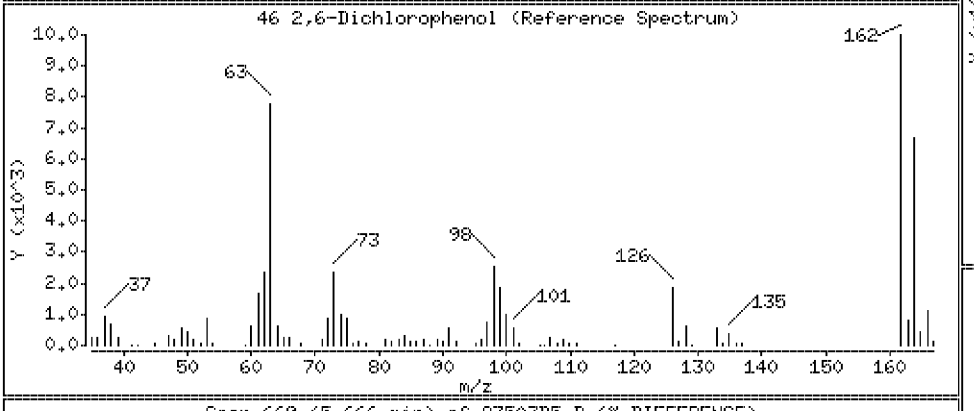
Concentration: 1550 ug/kg

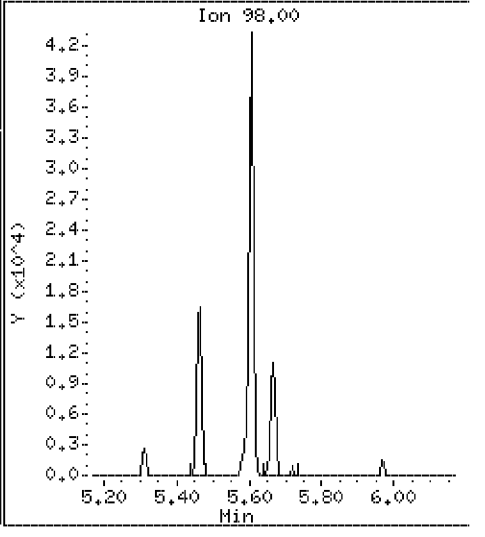


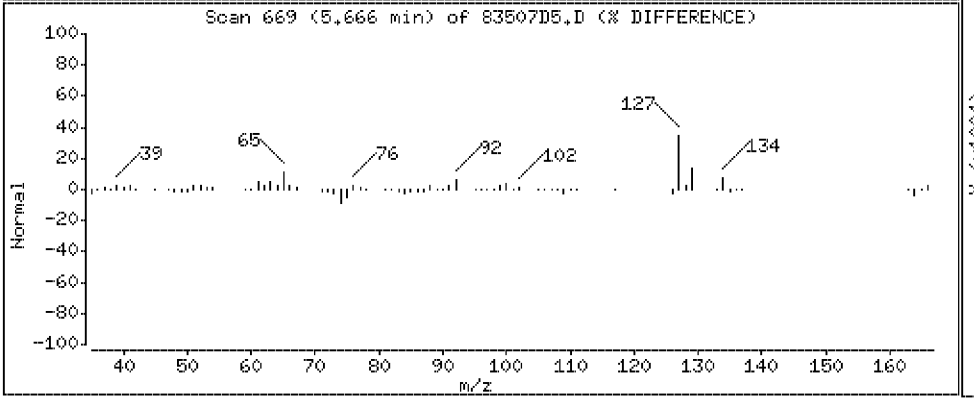












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

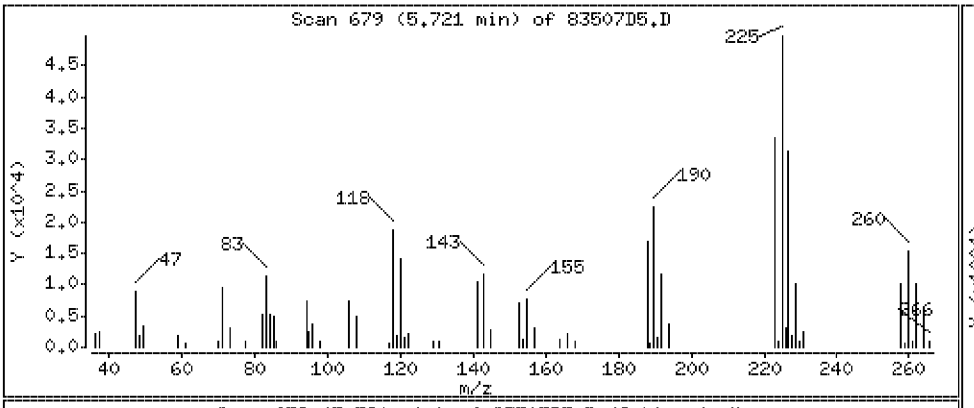
Operator: PEL

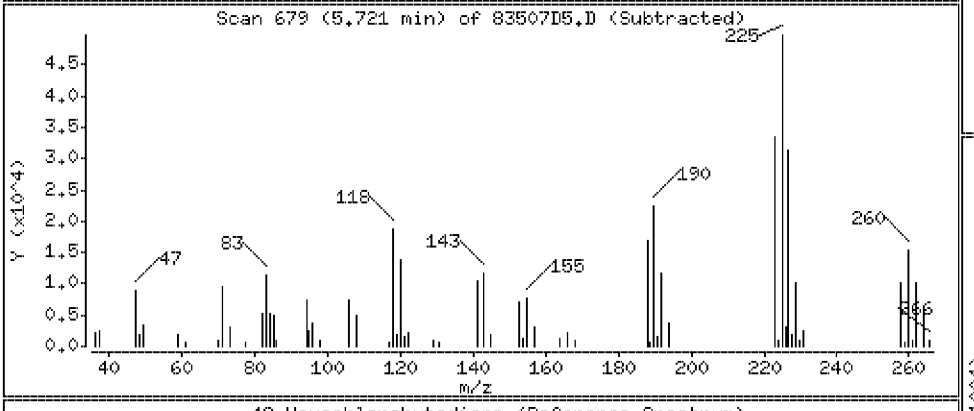
Column phase: HPMS-5

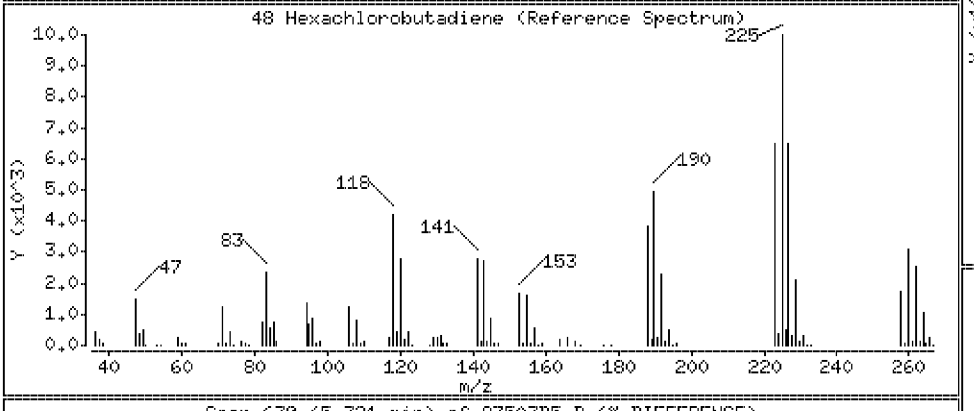
Column diameter: 0.25

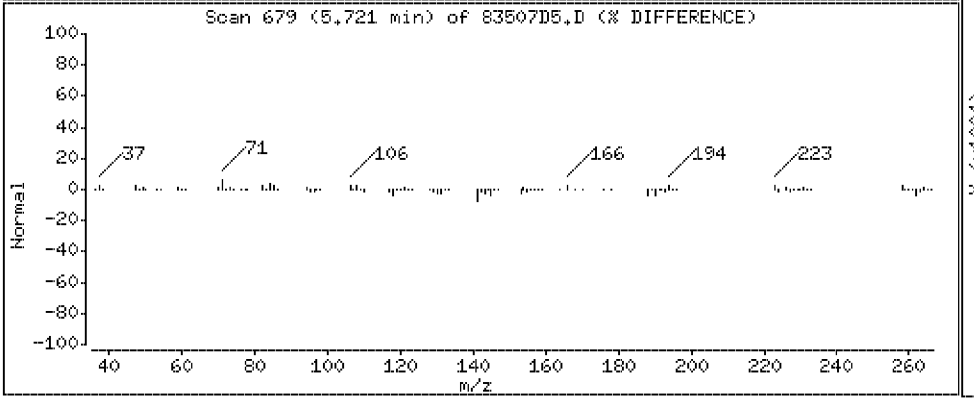
48 Hexachlorobutadiene

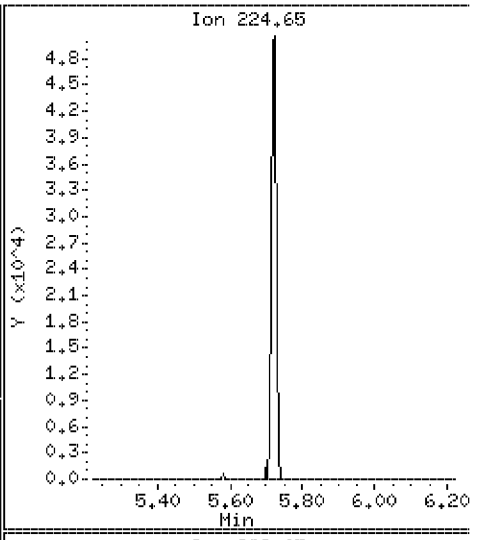
Concentration: 1780 ug/kg

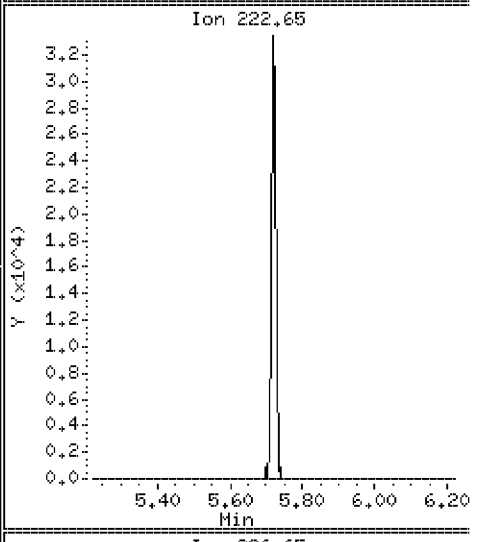


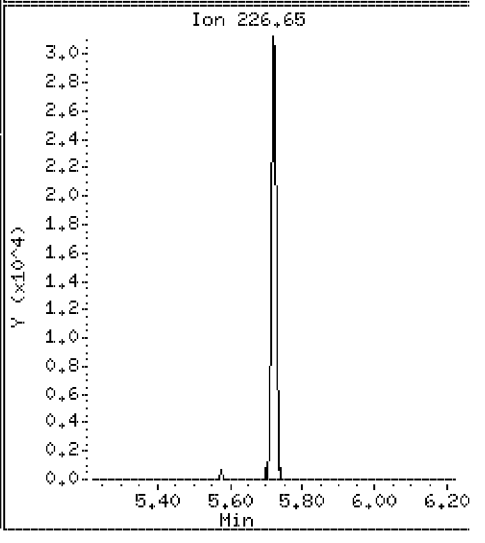












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

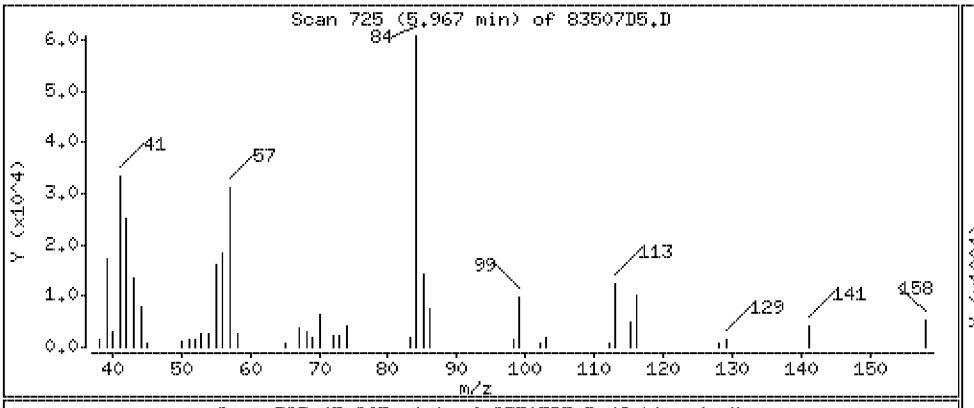
Operator: PEL

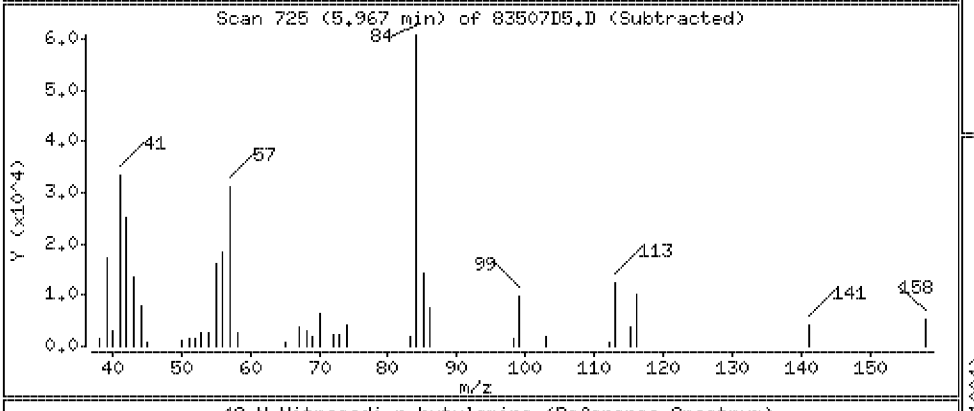
Column phase: HPMS-5

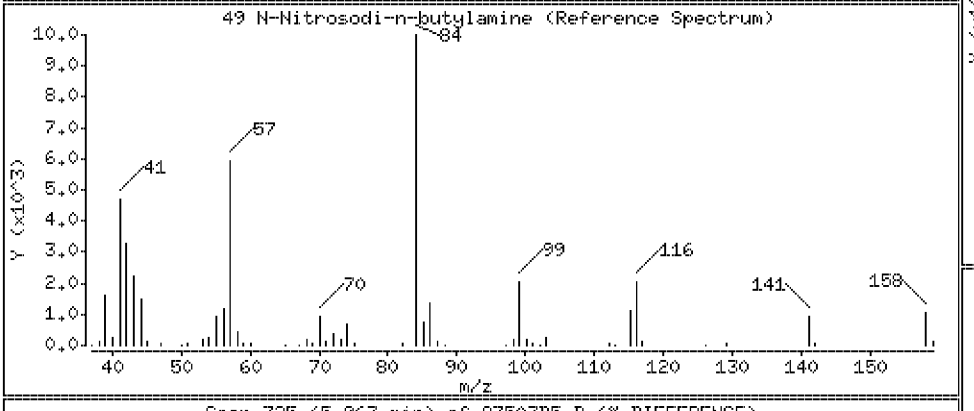
Column diameter: 0.25

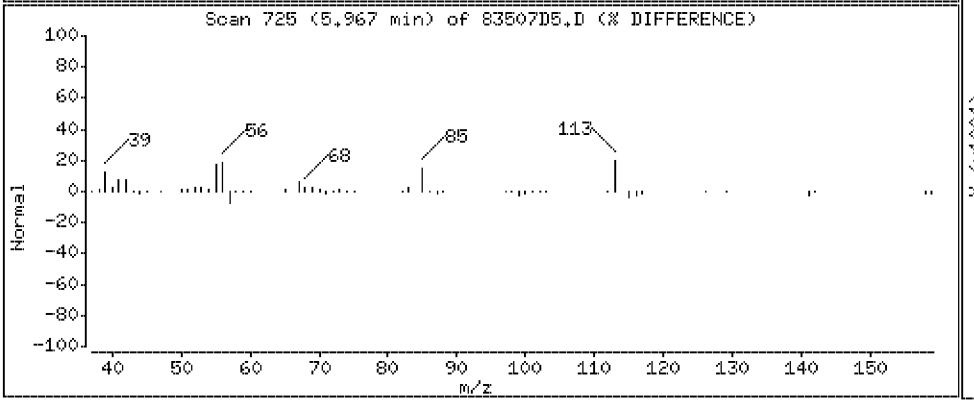
49 N-Nitrosodi-n-butylamine

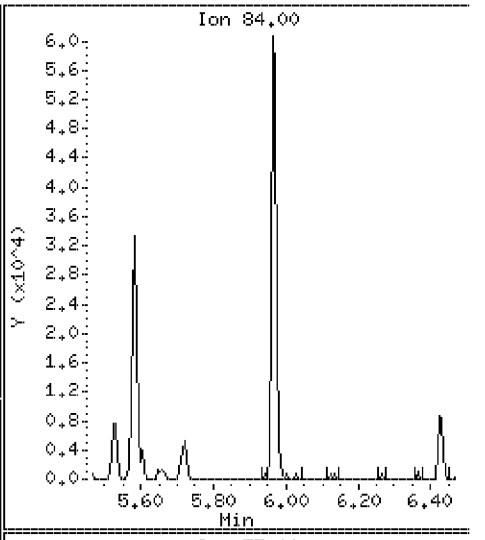
Concentration: 2180 ug/kg

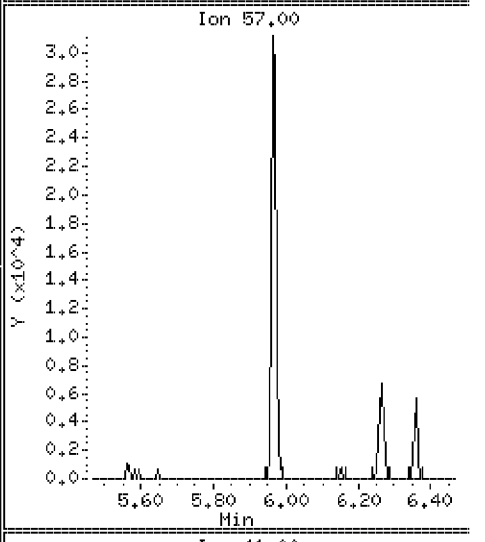


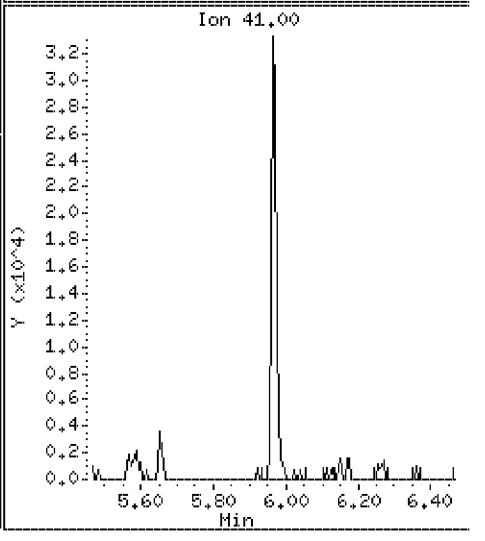












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

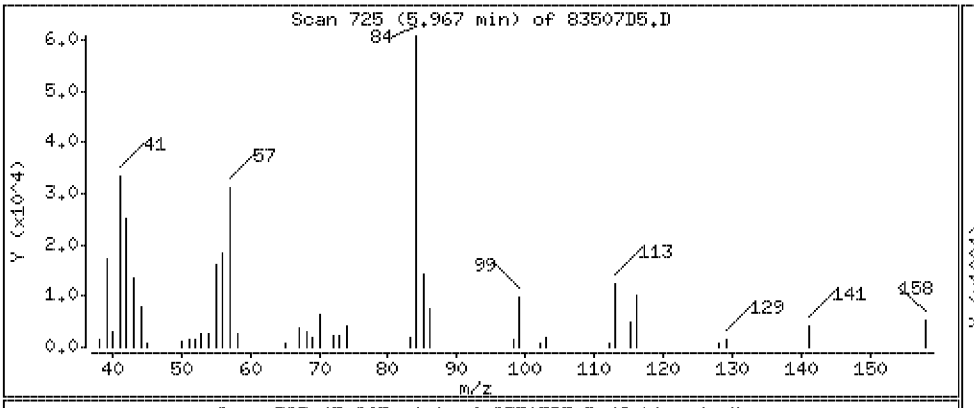
Operator: PEL

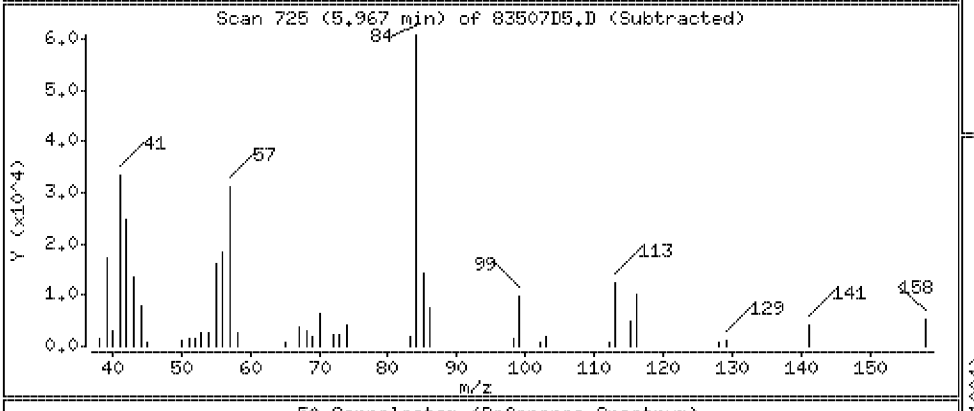
Column phase: HPMS-5

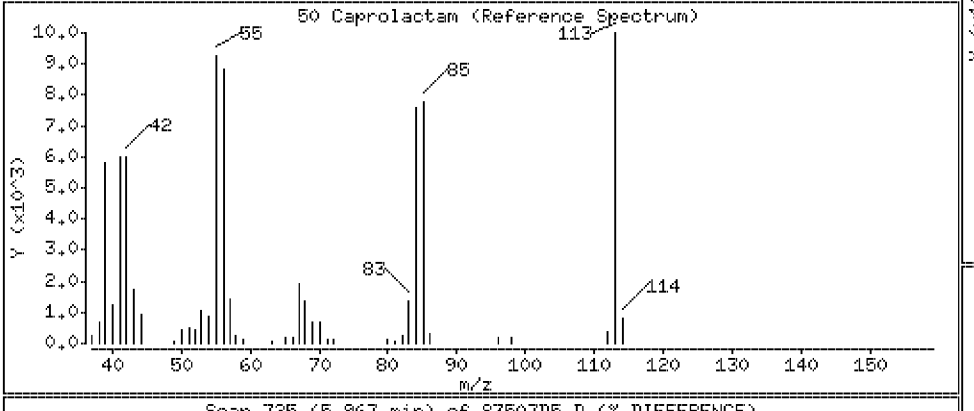
Column diameter: 0.25

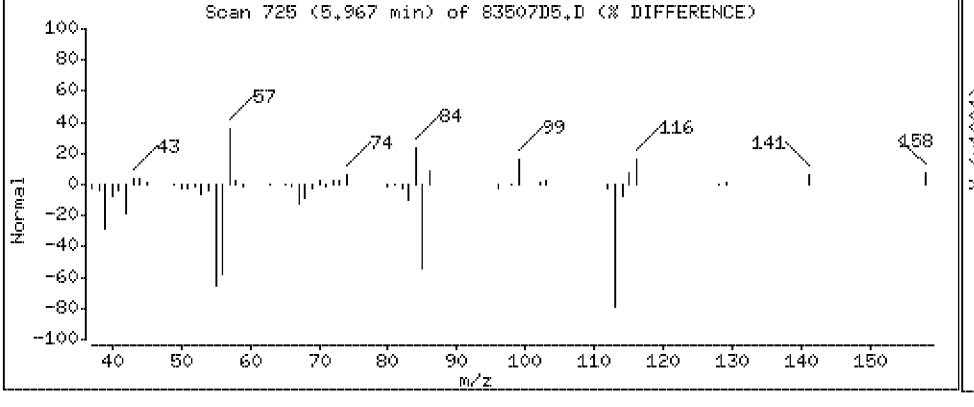
50 Caprolactam

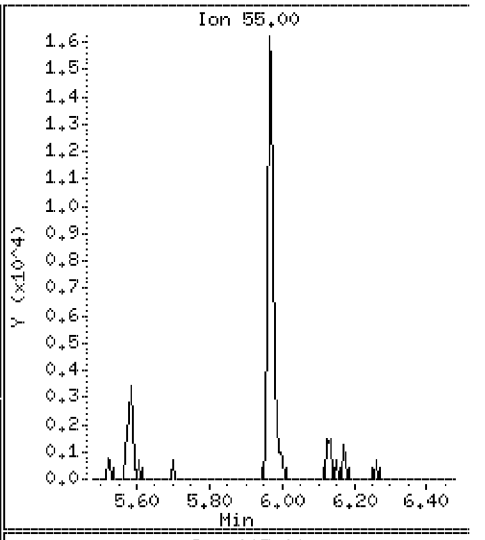
Concentration: 2820 ug/kg

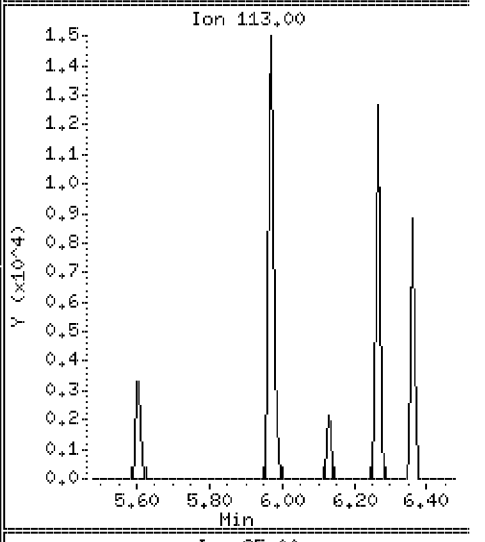


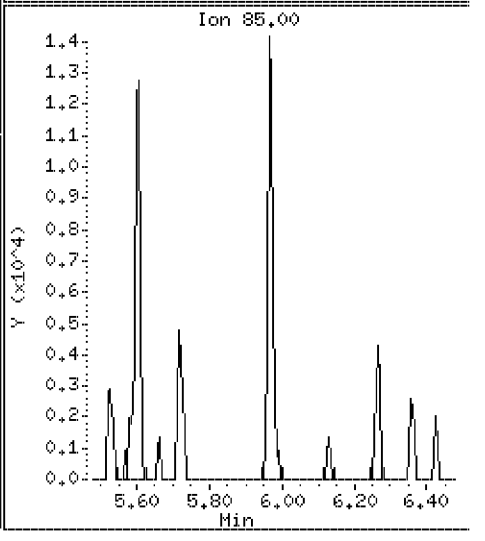












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

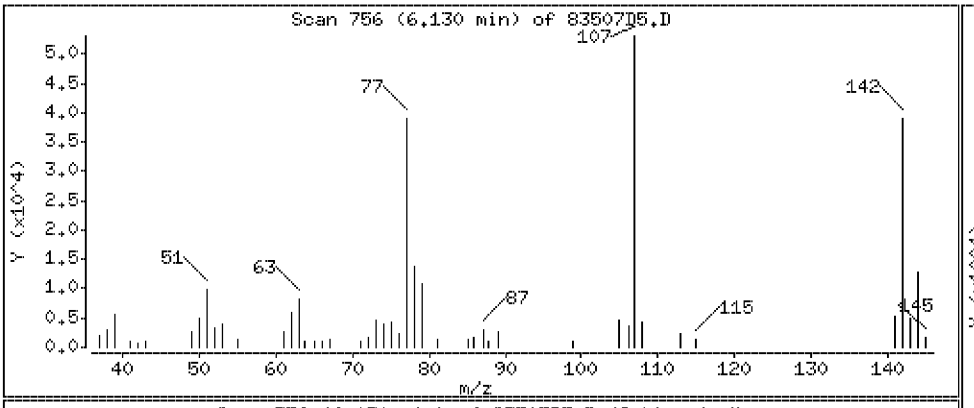
Operator: PEL

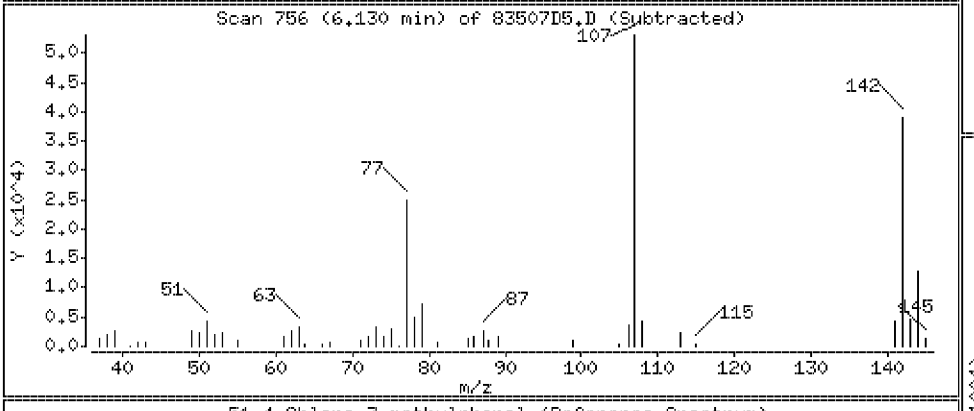
Column phase: HPMS-5

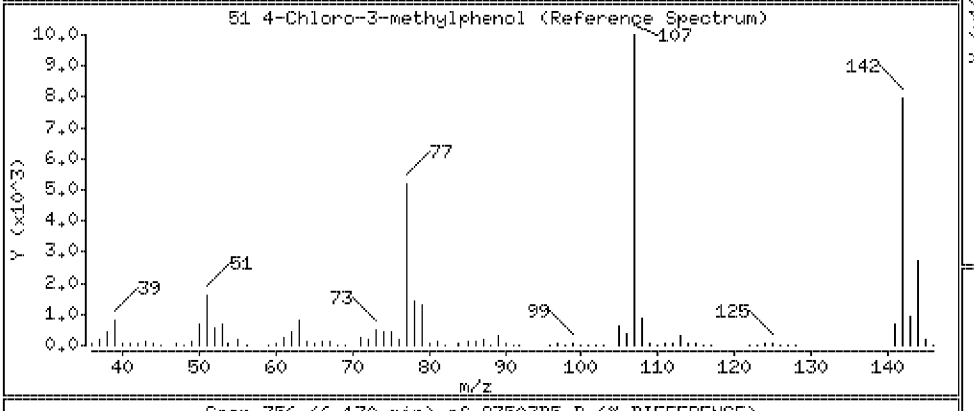
Column diameter: 0.25

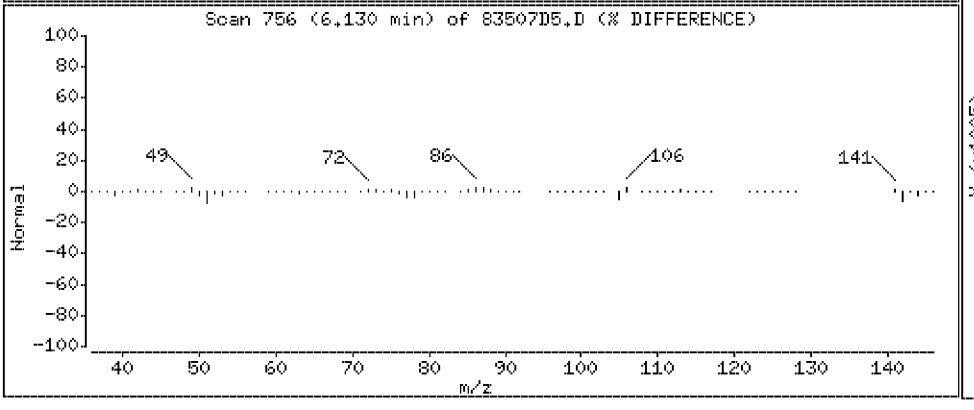
51 4-Chloro-3-methylphenol

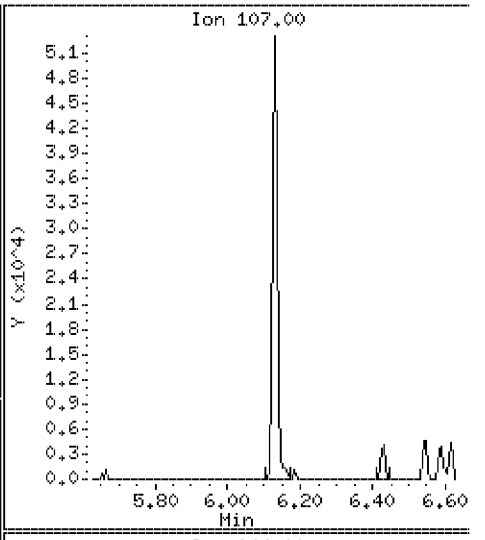
Concentration: 1810 ug/kg

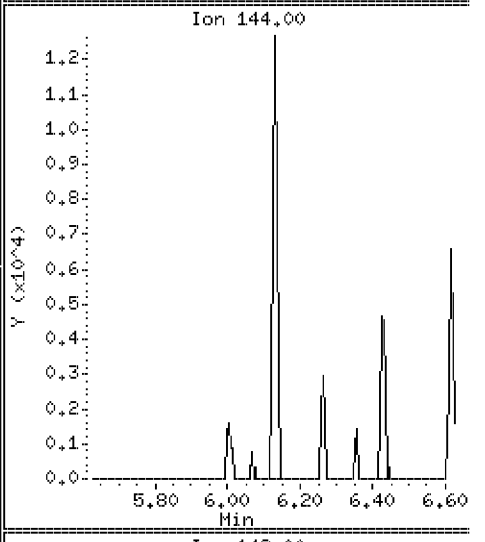


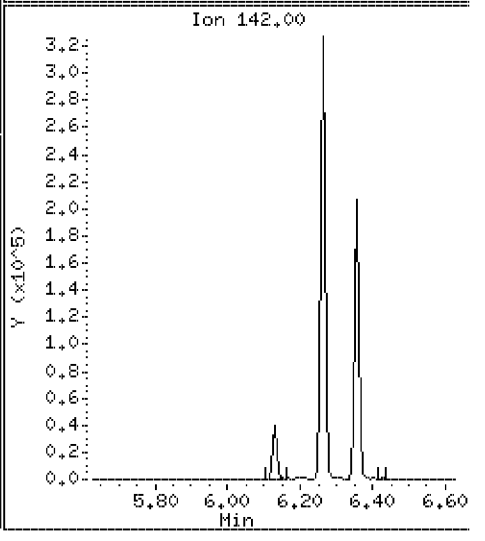












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

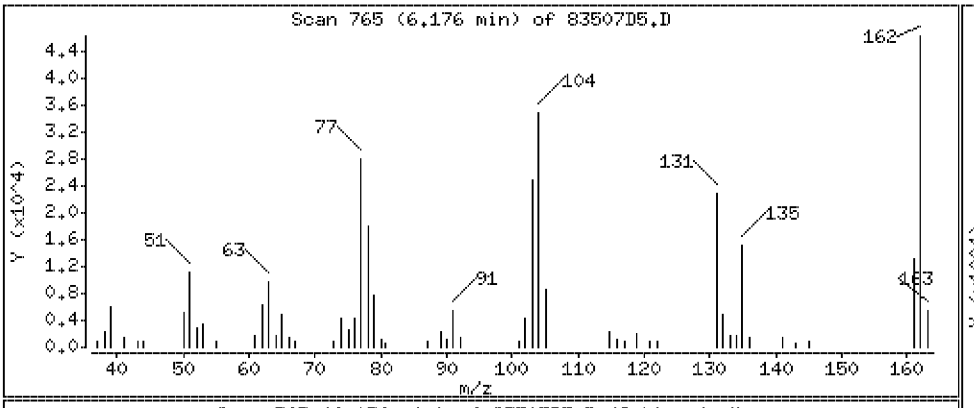
Operator: PEL

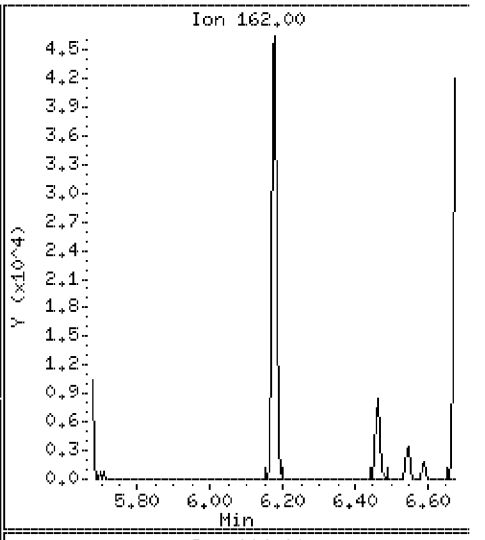
Column phase: HPMS-5

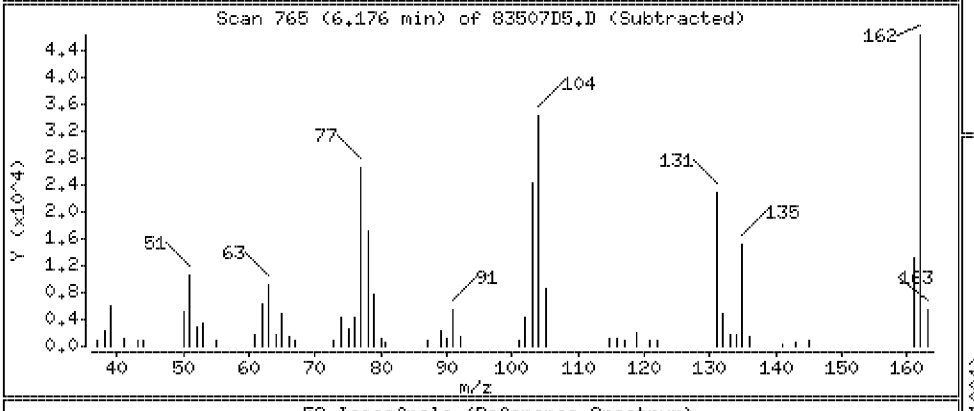
Column diameter: 0.25

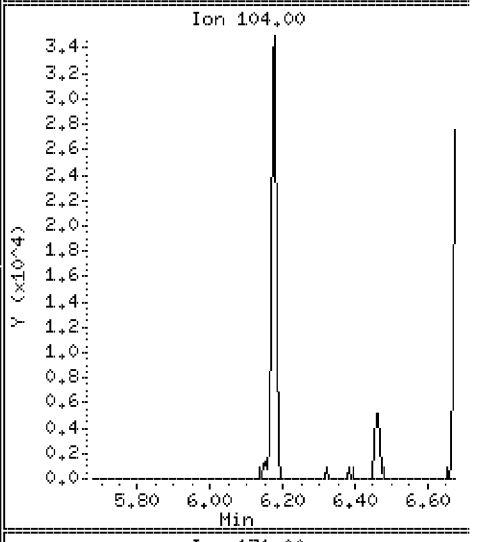
52 Isosafrole

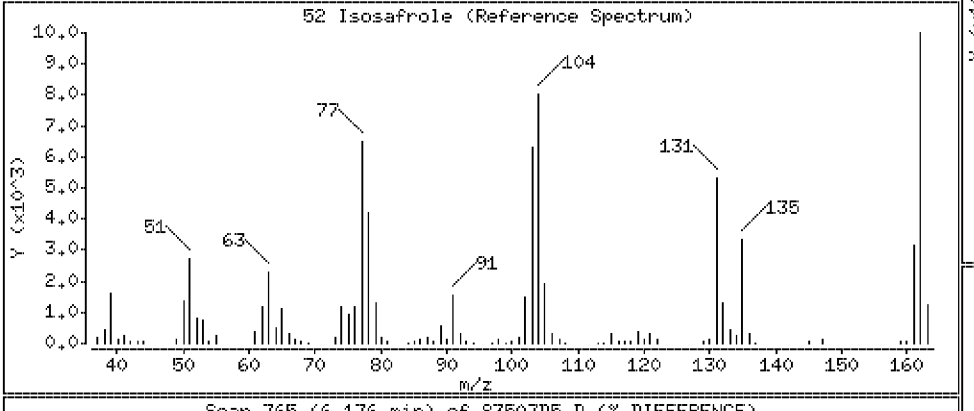
Concentration: 1680 ug/kg

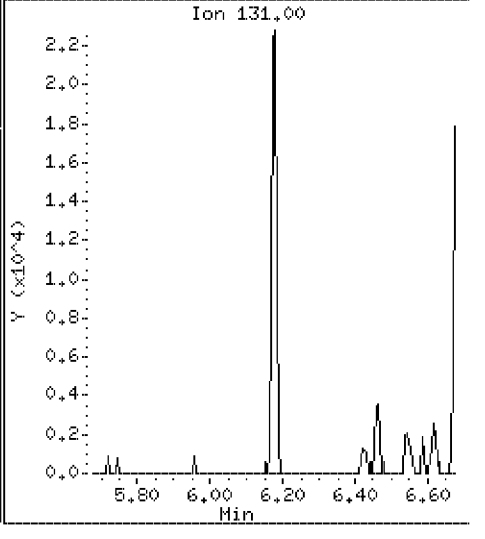


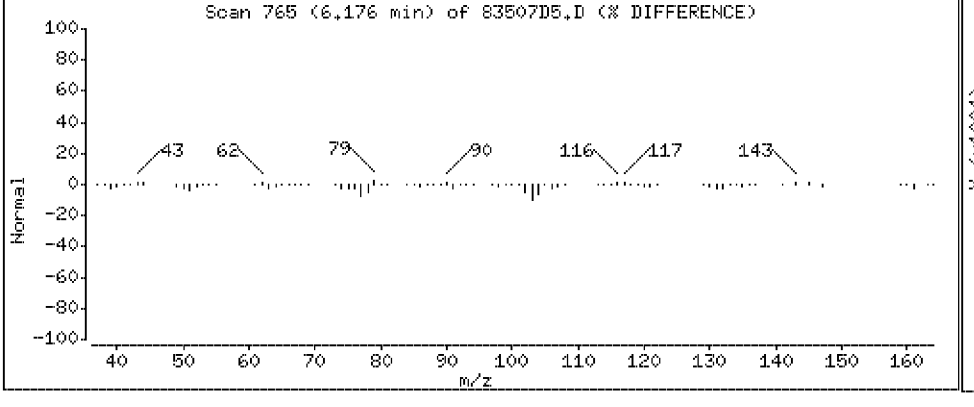












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

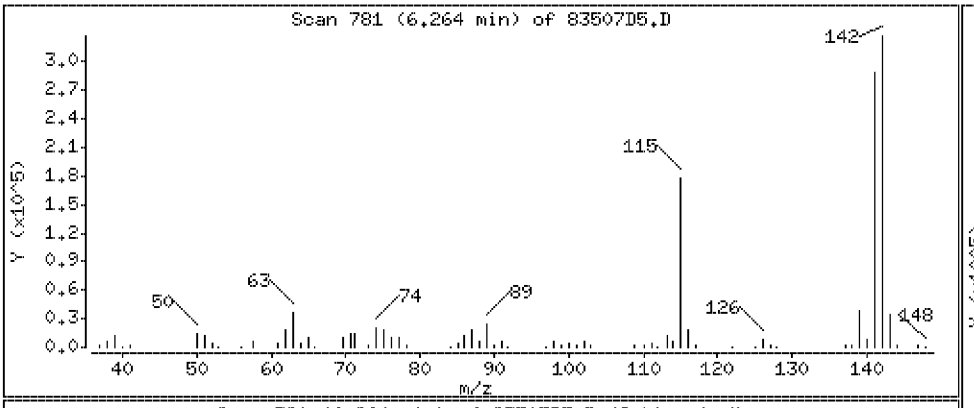
Operator: PEL

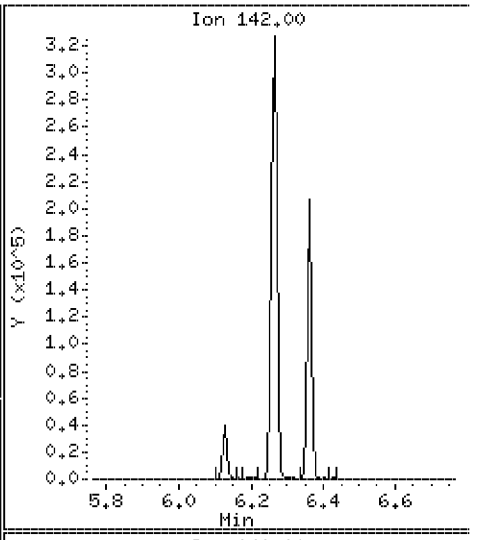
Column phase: HPMS-5

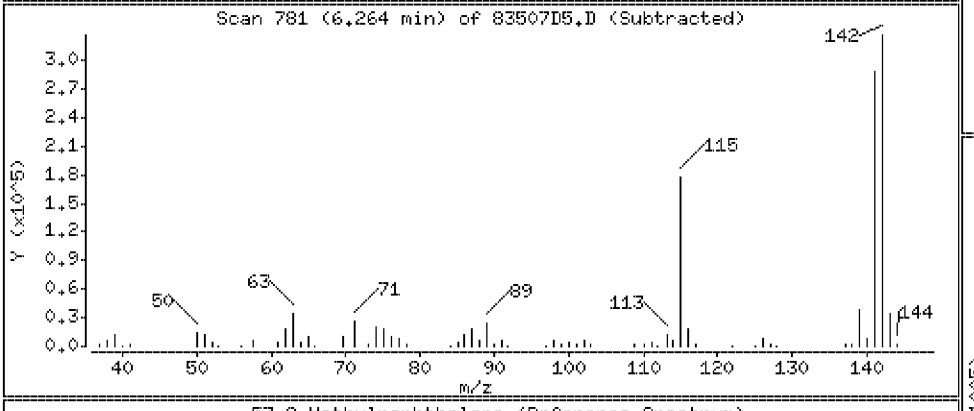
Column diameter: 0.25

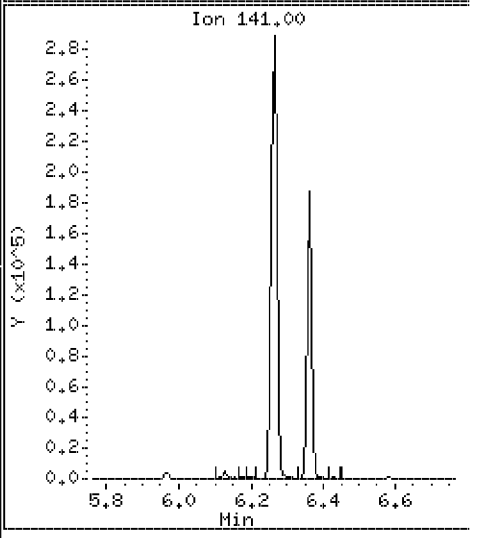
53 2-Methylnaphthalene

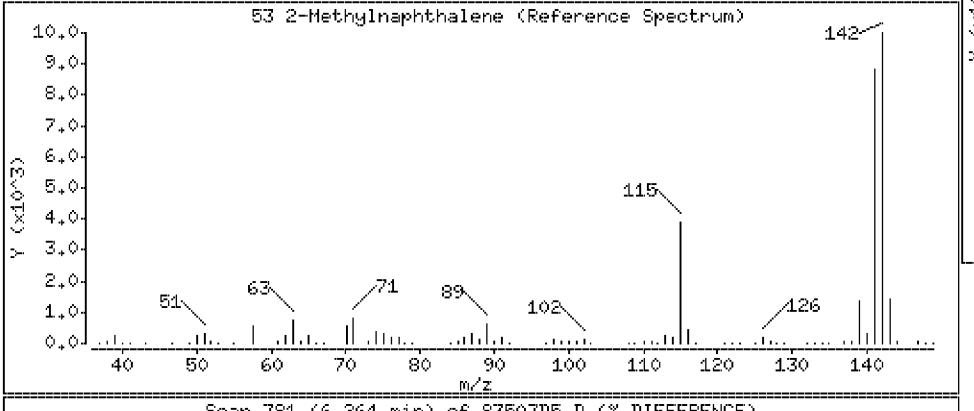
Concentration: 4880 ug/kg

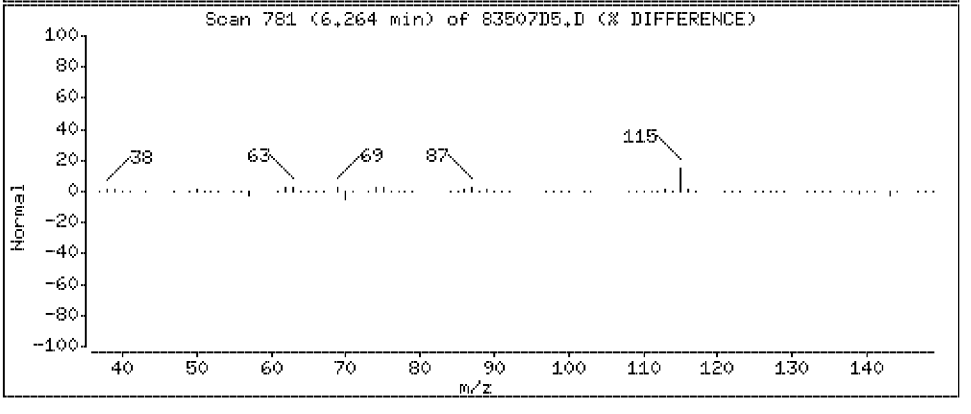












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

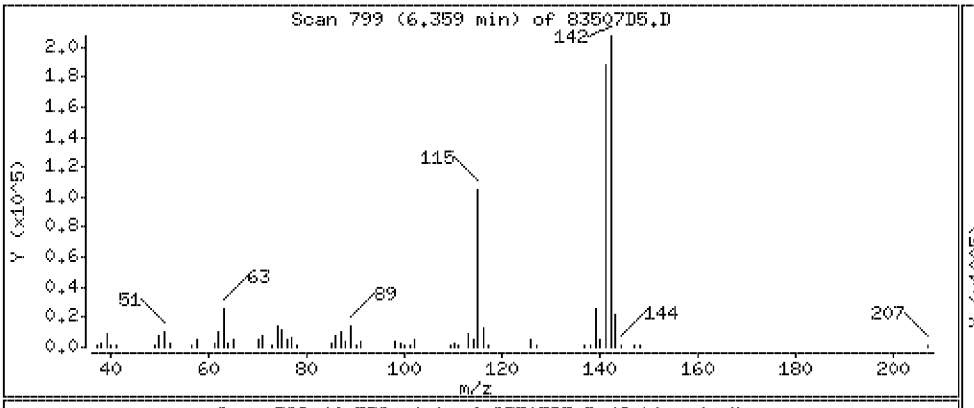
Operator: PEL

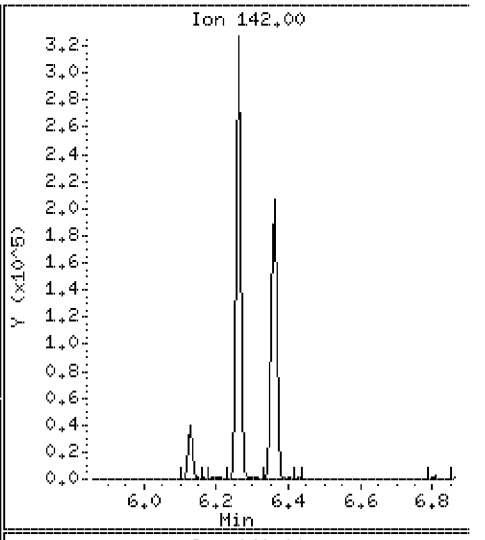
Column phase: HPMS-5

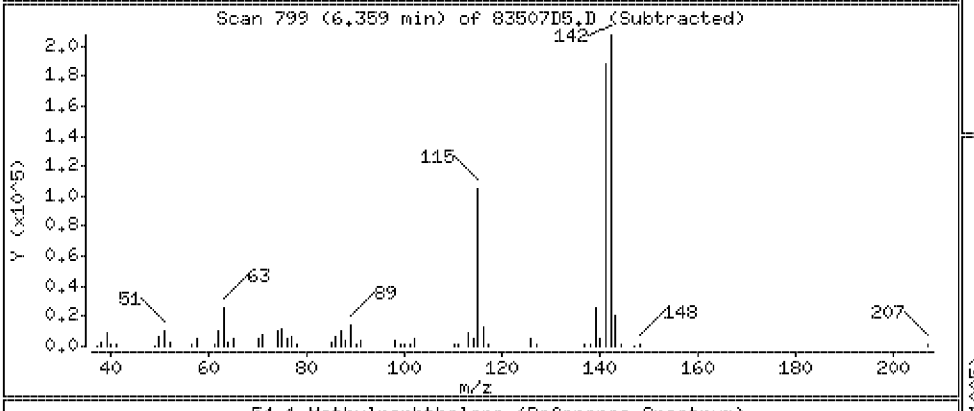
Column diameter: 0.25

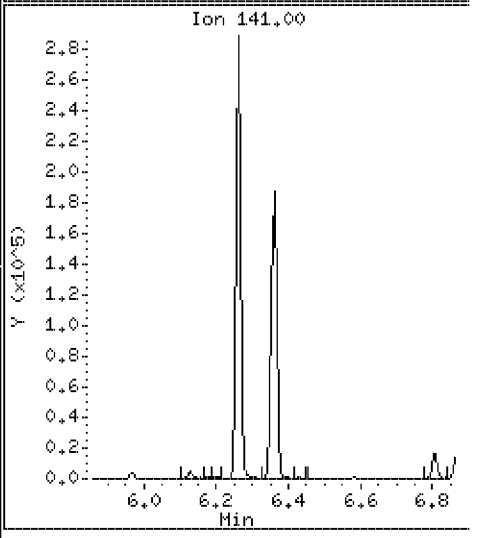
54 1-Methylnaphthalene

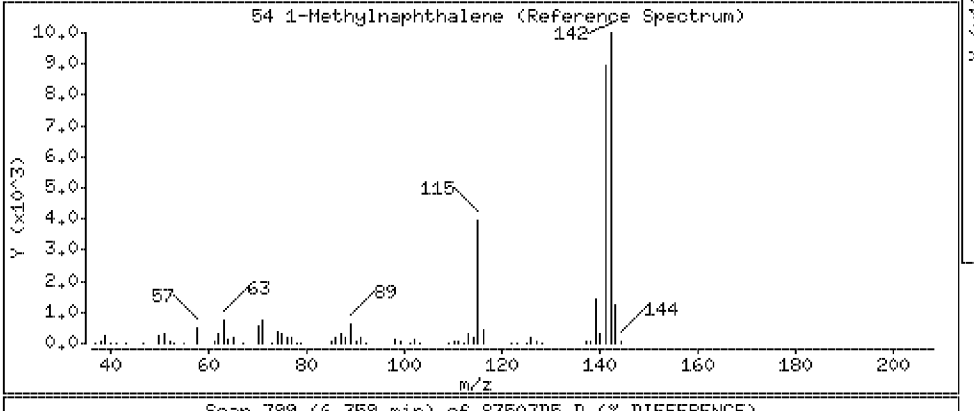
Concentration: 3300 ug/kg

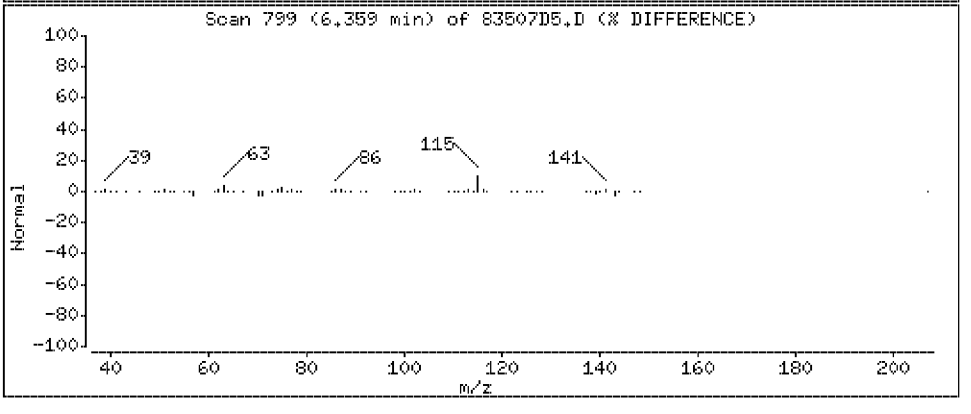












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

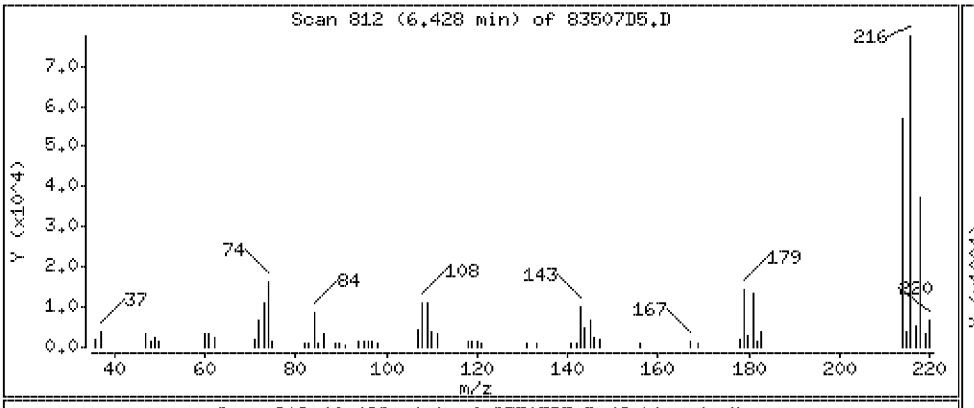
Operator: PEL

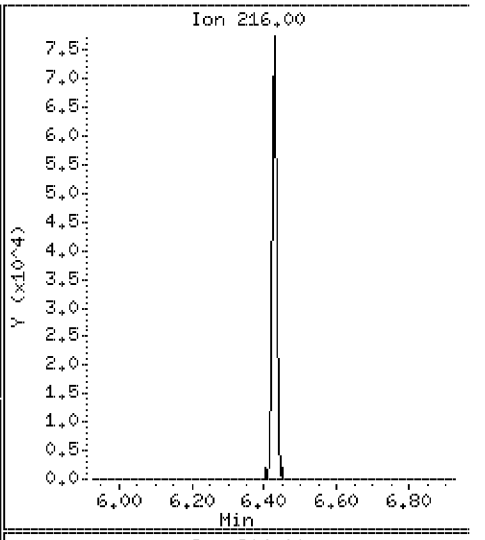
Column phase: HPMS-5

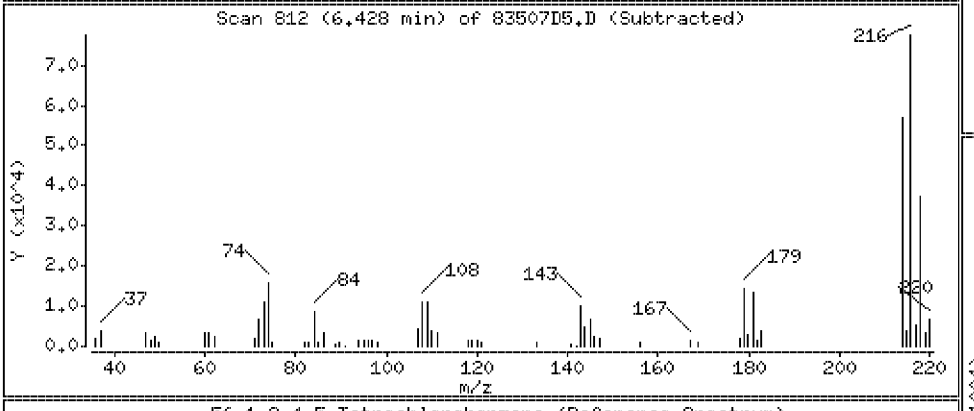
Column diameter: 0.25

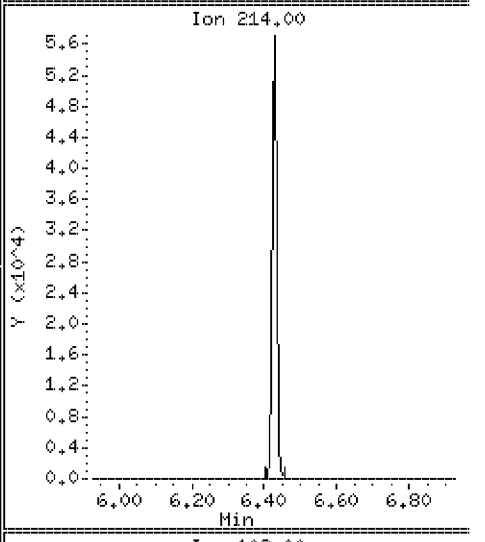
56 1,2,4,5-Tetrachlorobenzene

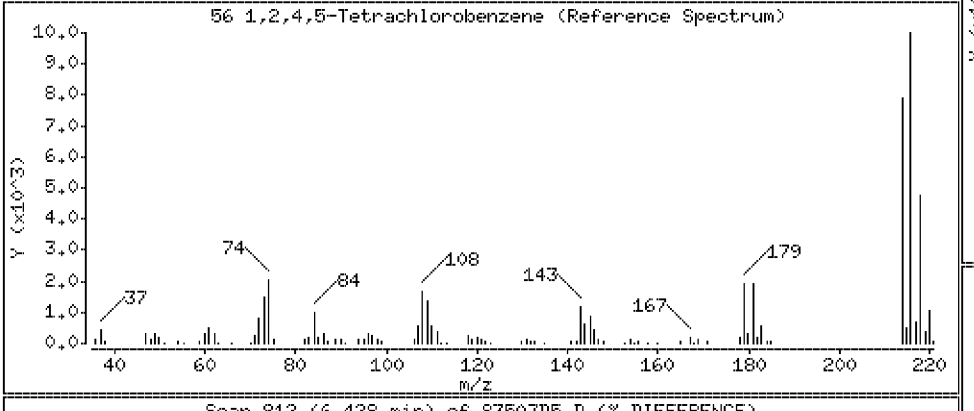
Concentration: 1630 ug/kg

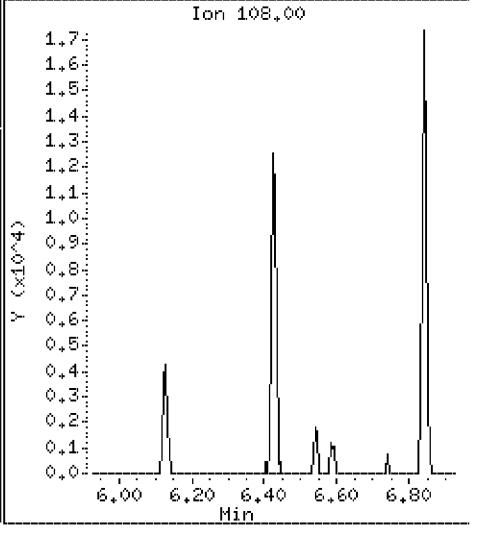


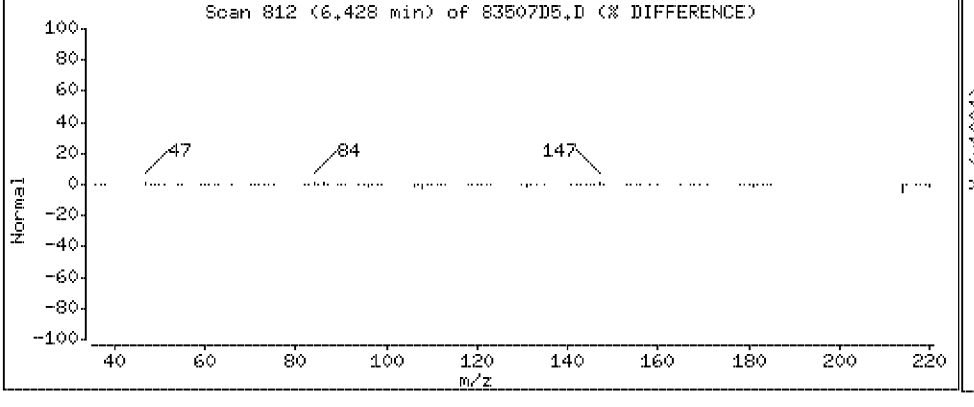












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

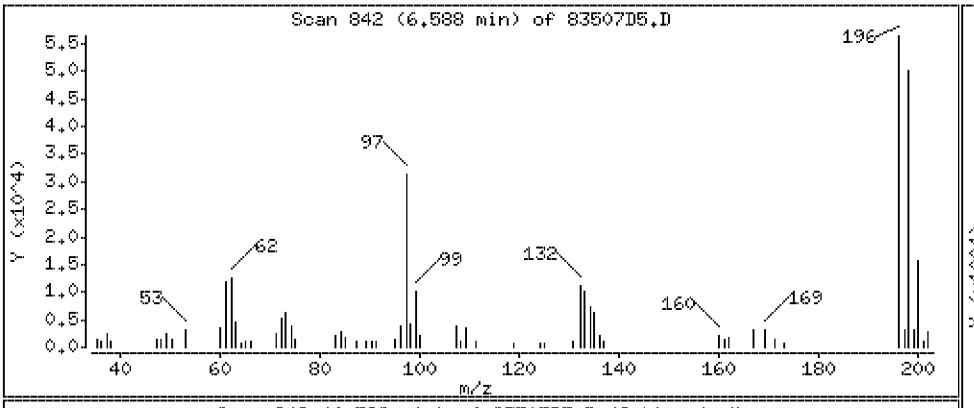
Operator: PEL

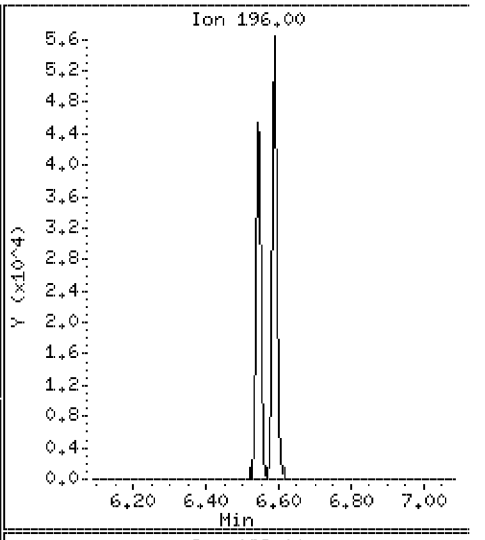
Column phase: HPMS-5

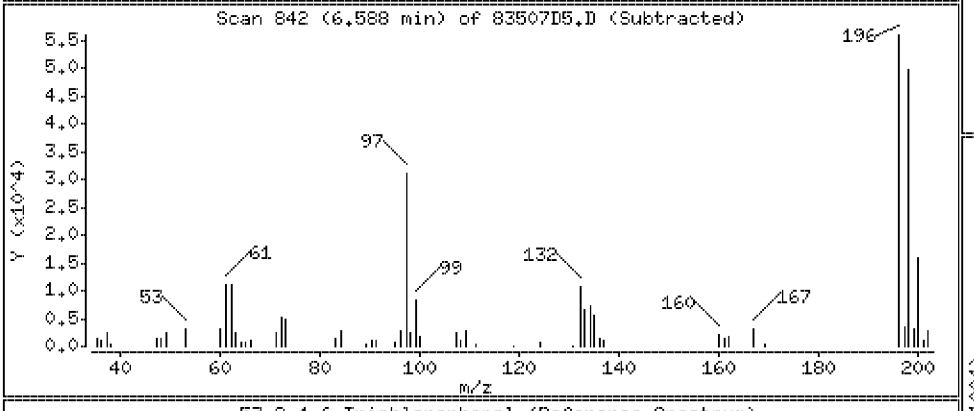
Column diameter: 0.25

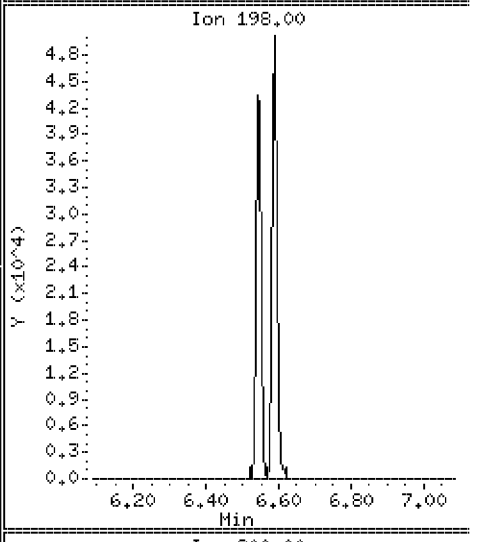
57 2,4,6-Trichlorophenol

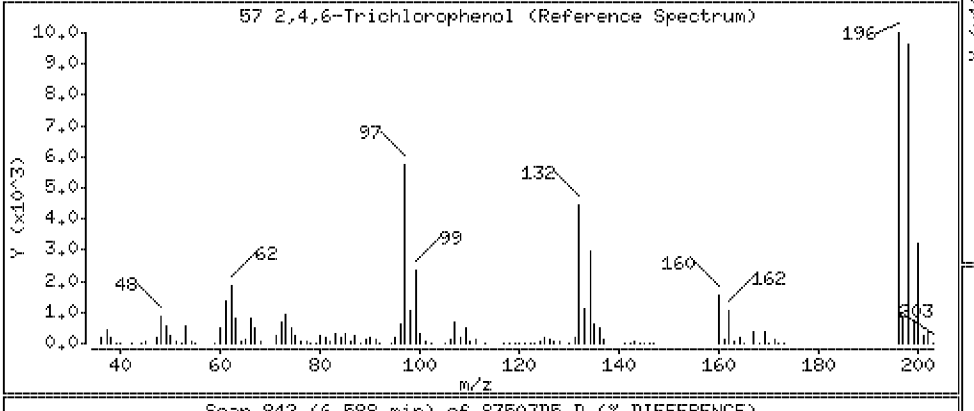
Concentration: 1870 ug/kg

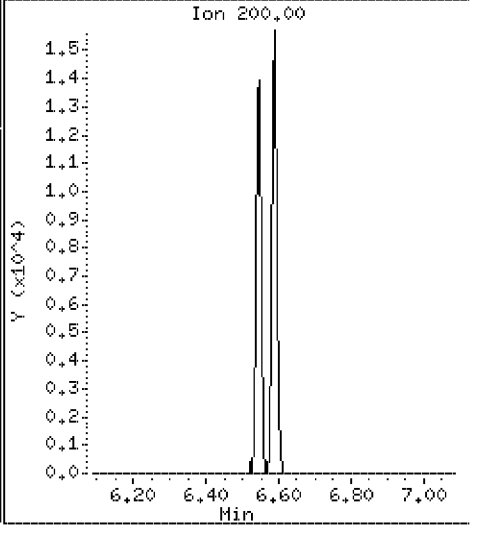


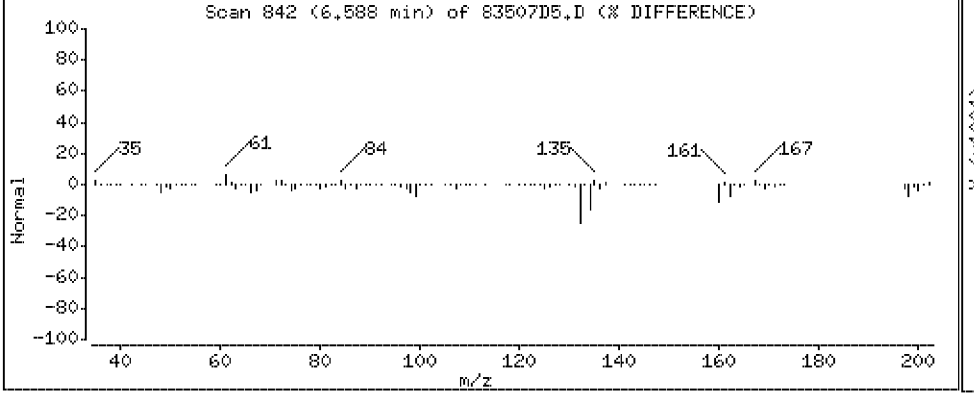












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

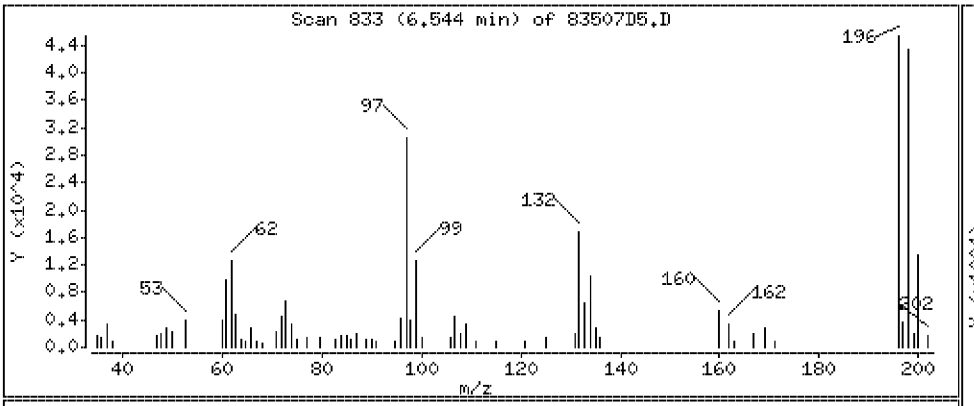
Operator: PEL

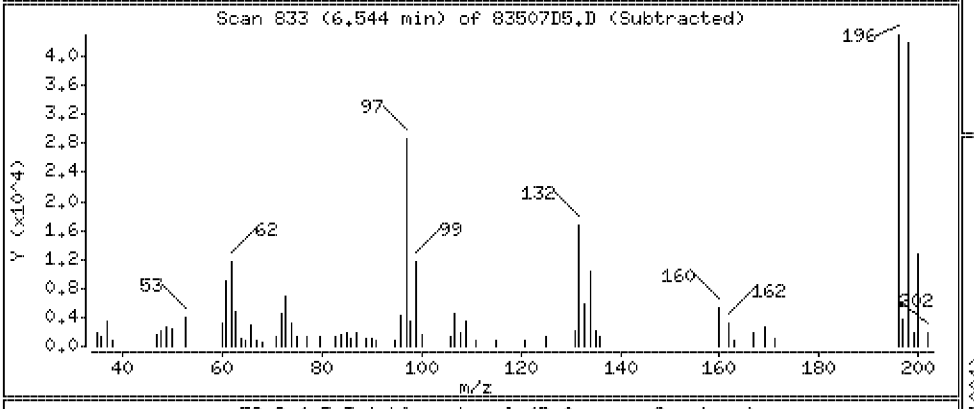
Column phase: HPMS-5

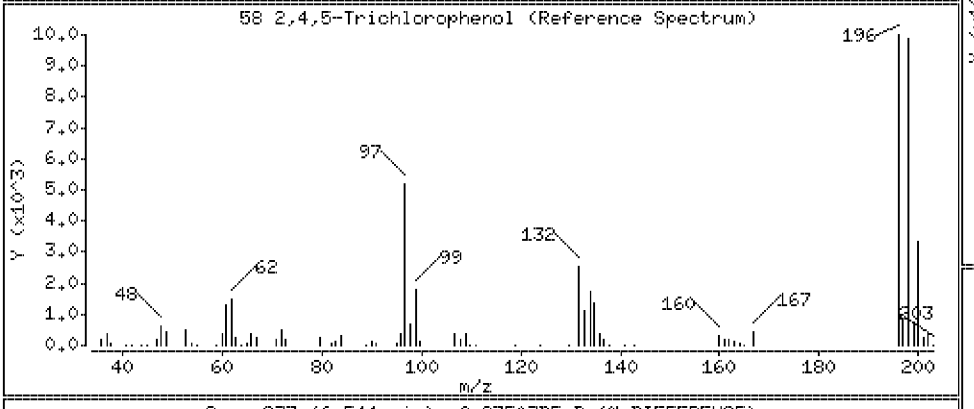
Column diameter: 0.25

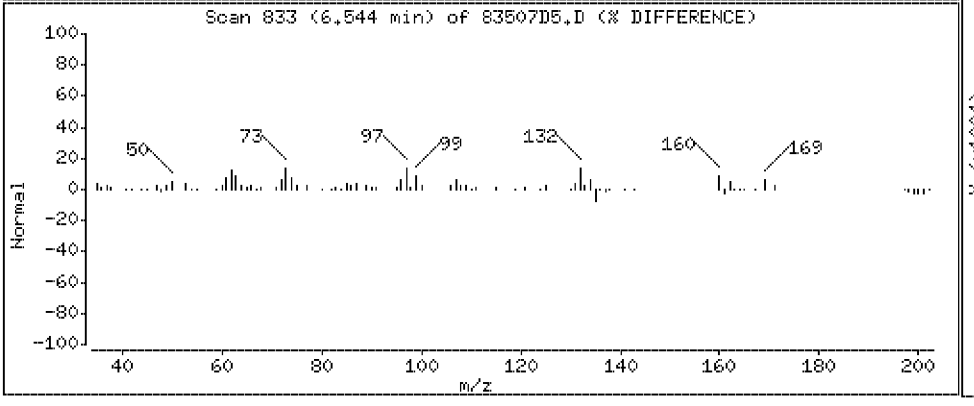
58 2,4,5-Trichlorophenol

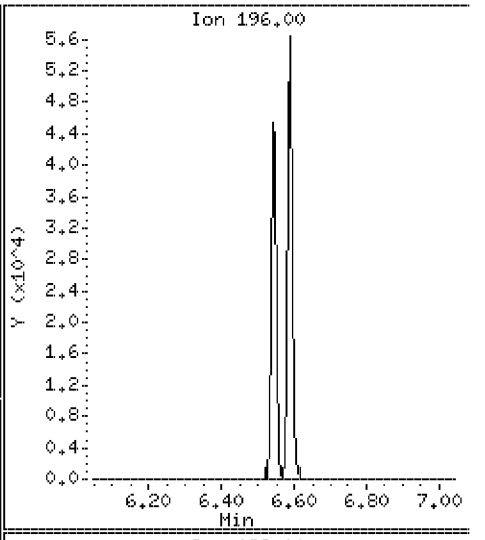
Concentration: 1740 ug/kg

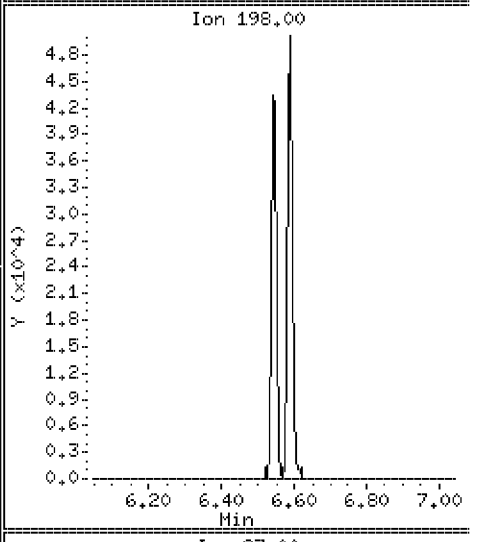


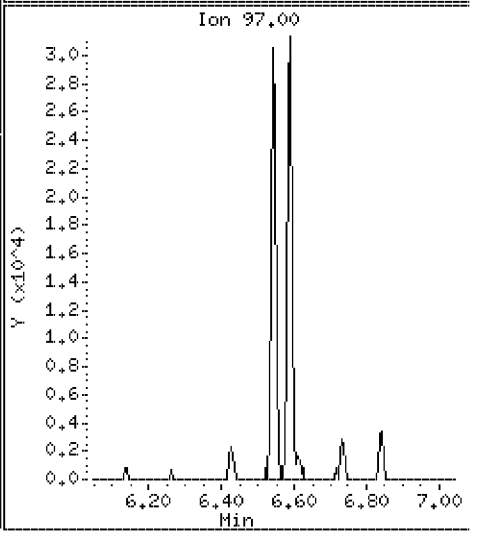












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

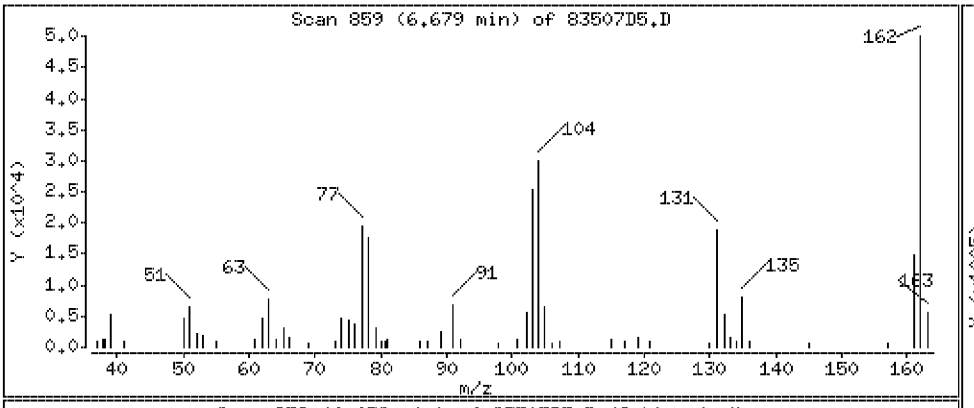
Operator: PEL

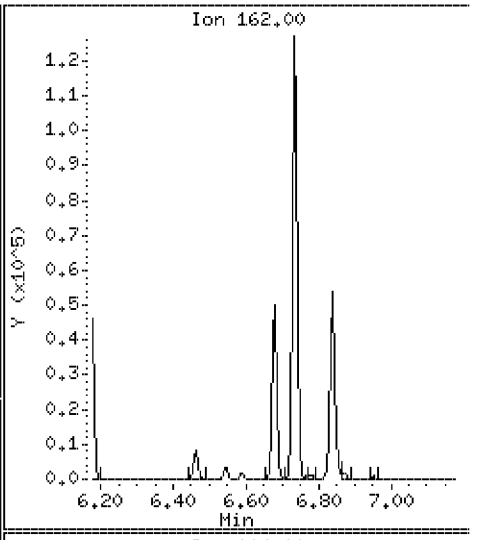
Column phase: HPMS-5

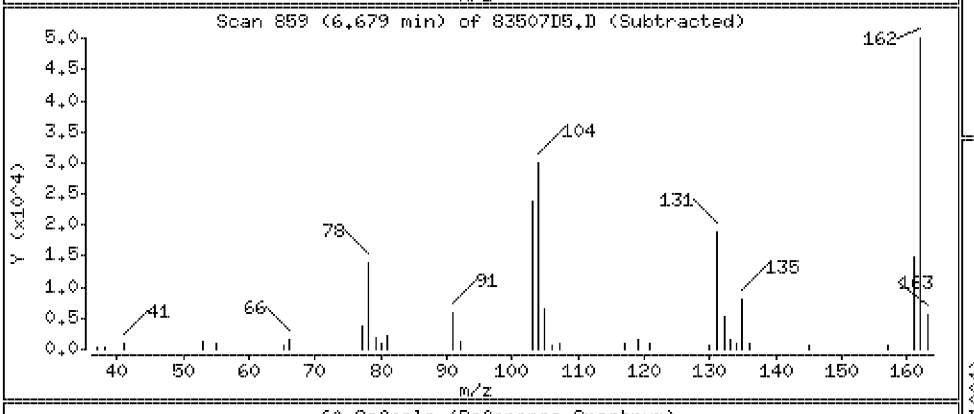
Column diameter: 0.25

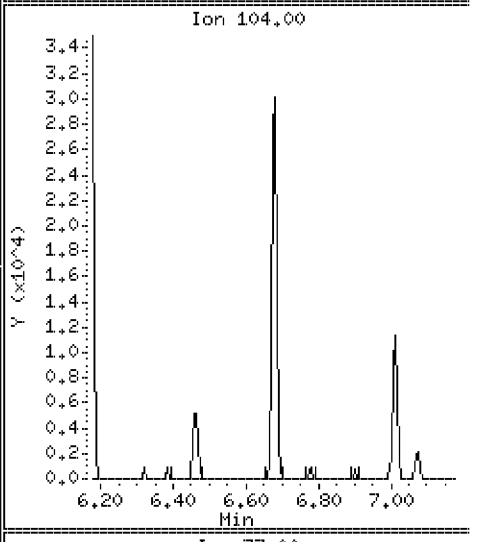
60 Safrole

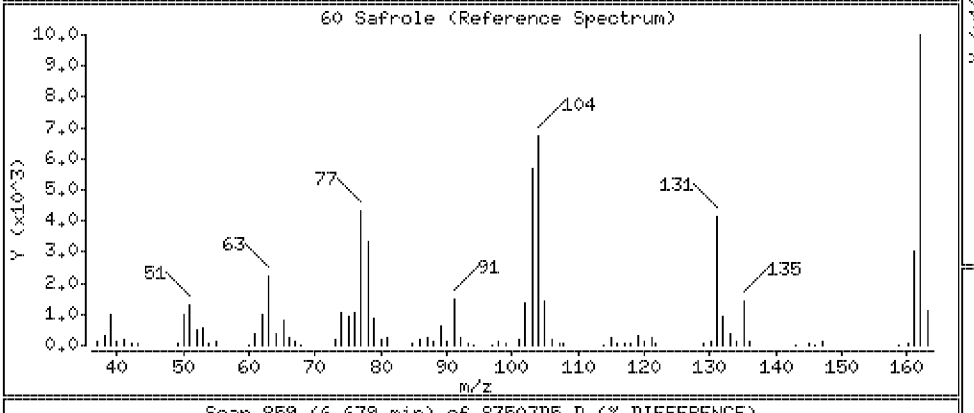
Concentration: 1840 ug/kg

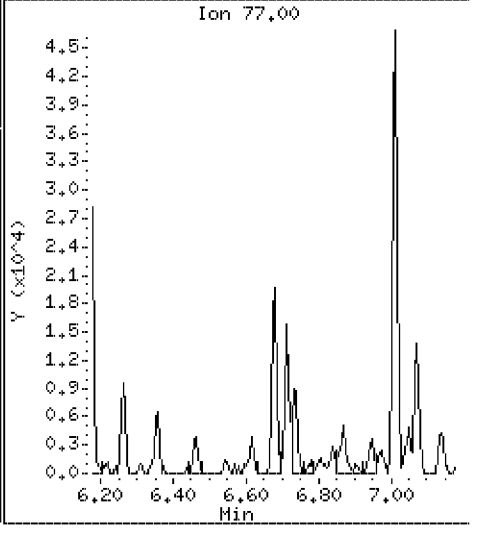


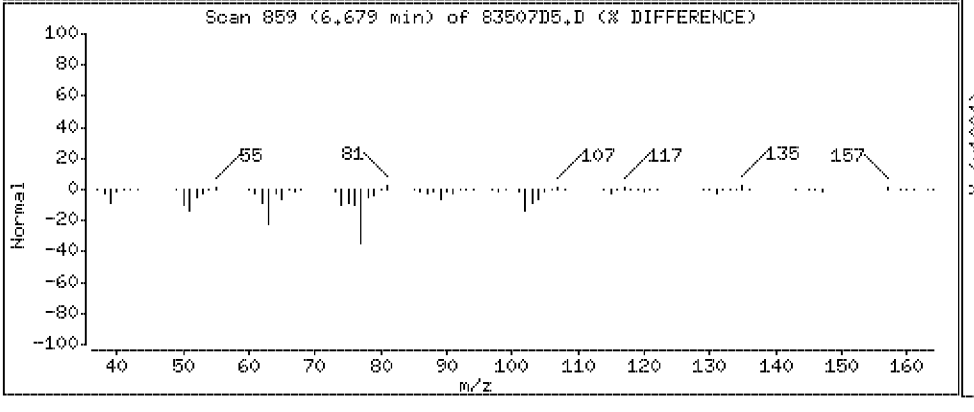












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

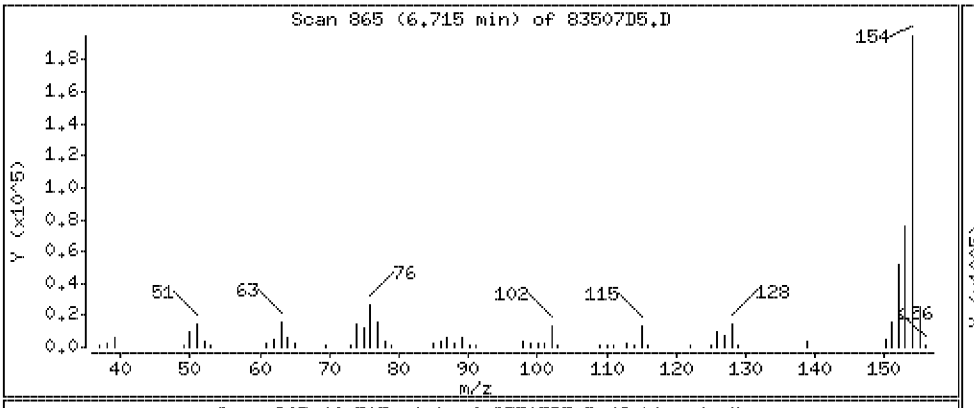
Operator: PEL

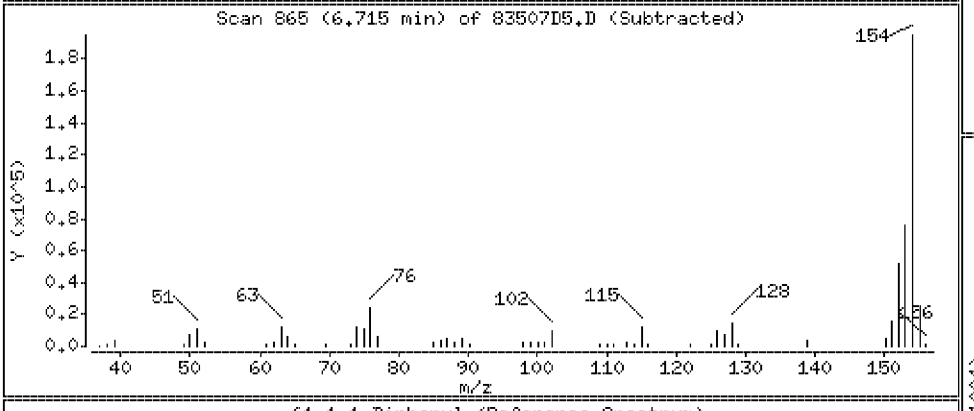
Column phase: HPMS-5

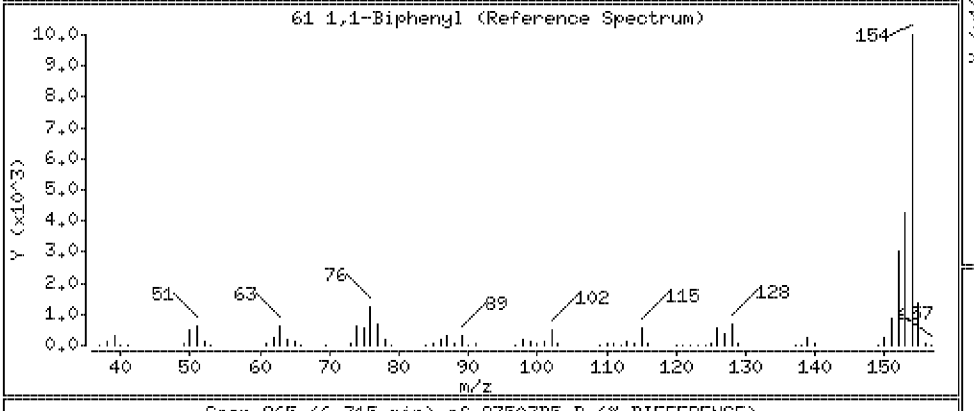
Column diameter: 0.25

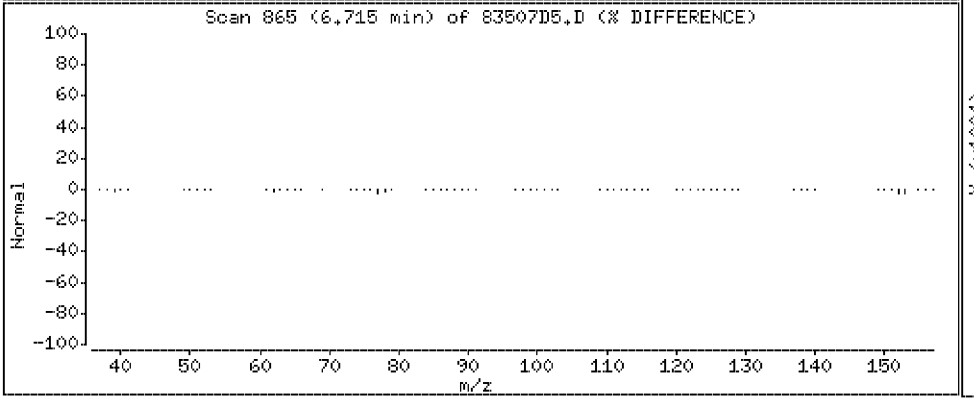
61 1,1-Biphenyl

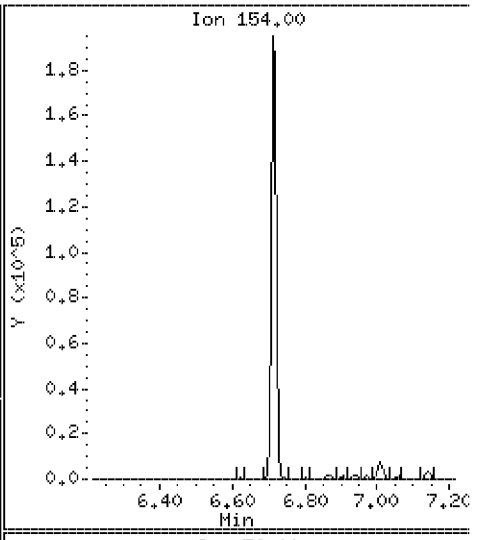
Concentration: 2100 ug/kg

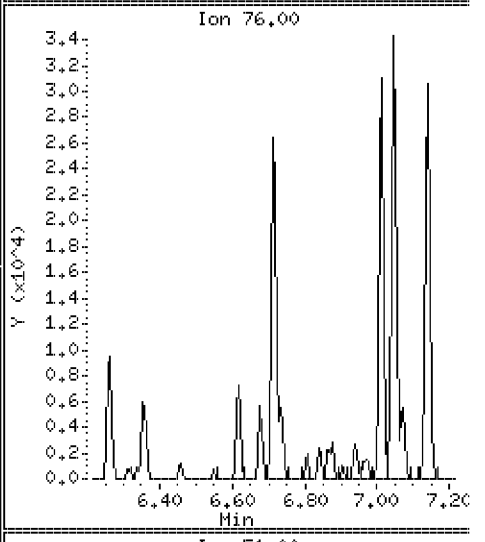


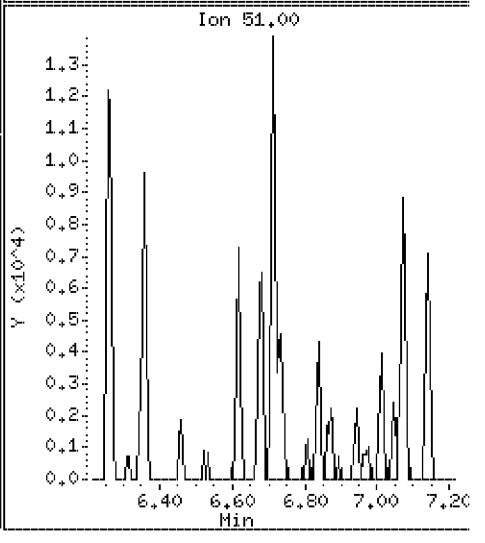












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

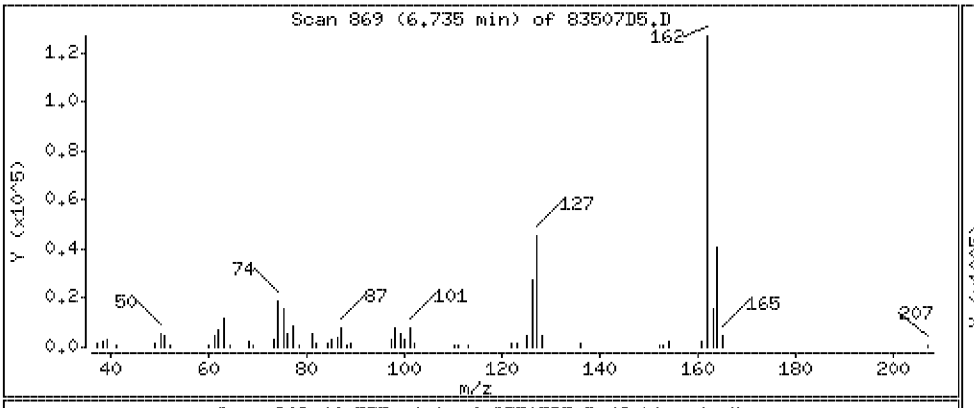
Operator: PEL

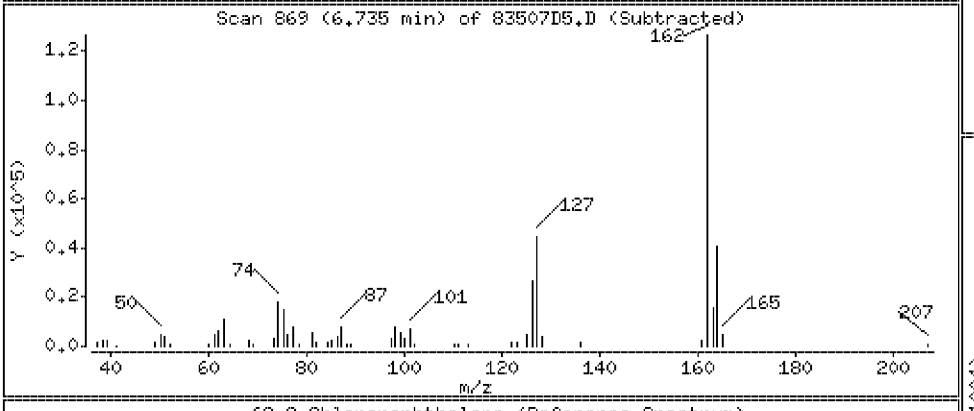
Column phase: HPMS-5

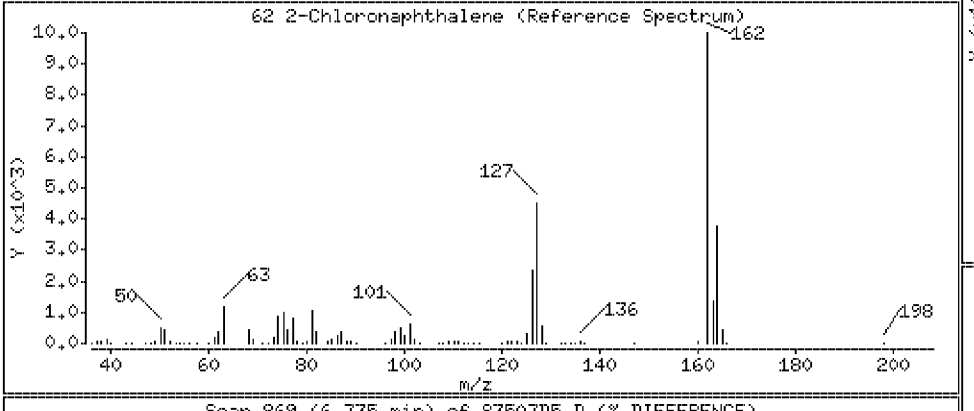
Column diameter: 0.25

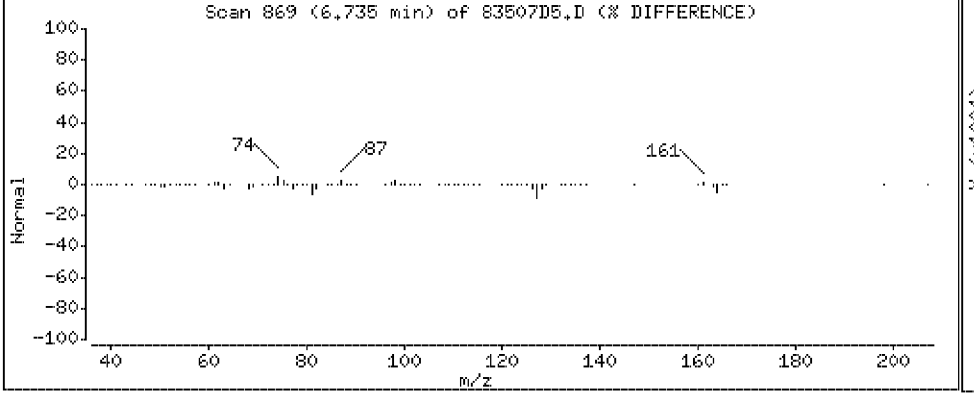
62 2-Chloronaphthalene

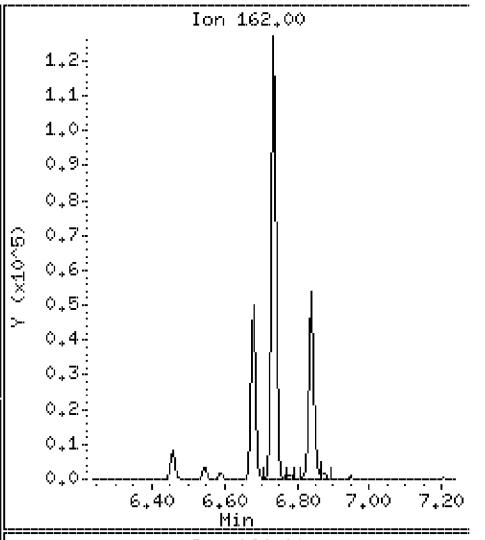
Concentration: 1820 ug/kg

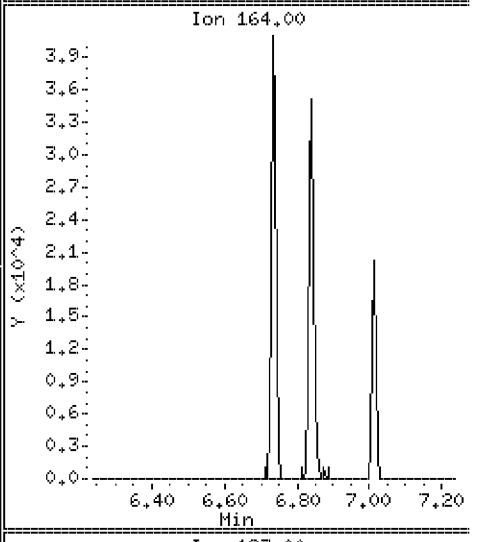


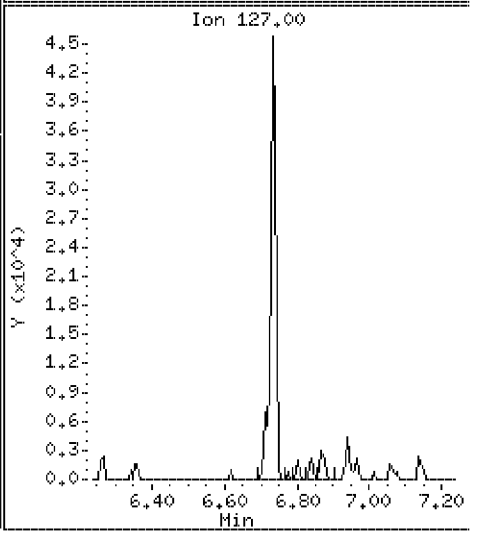












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

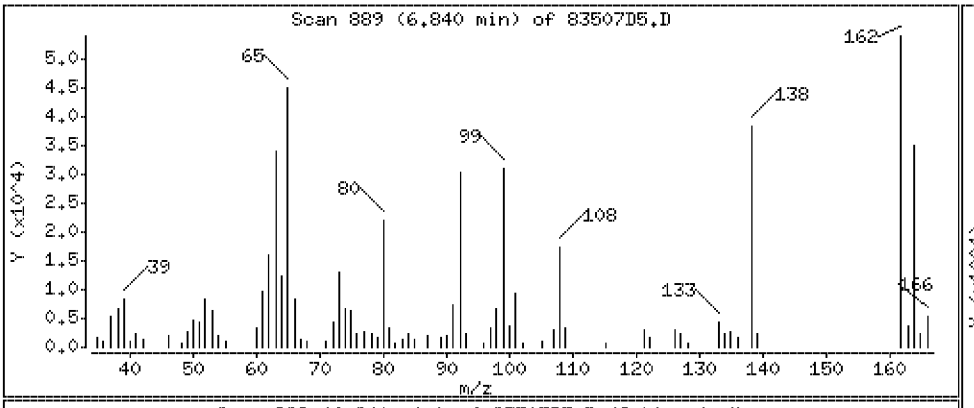
Operator: PEL

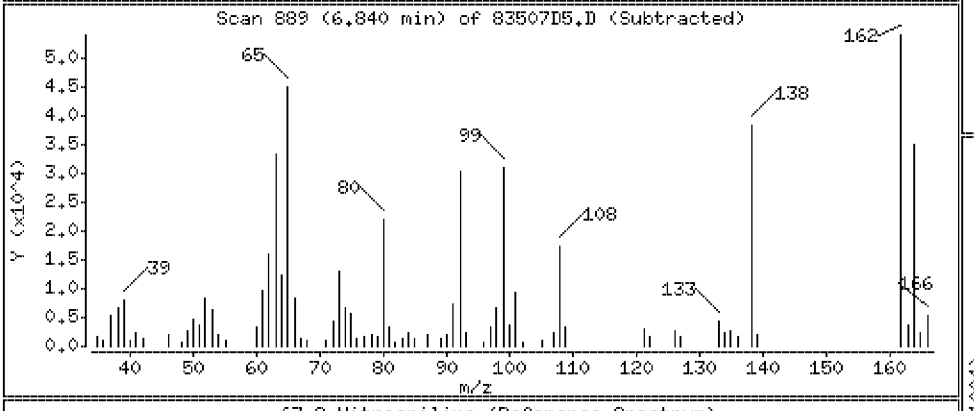
Column phase: HPMS-5

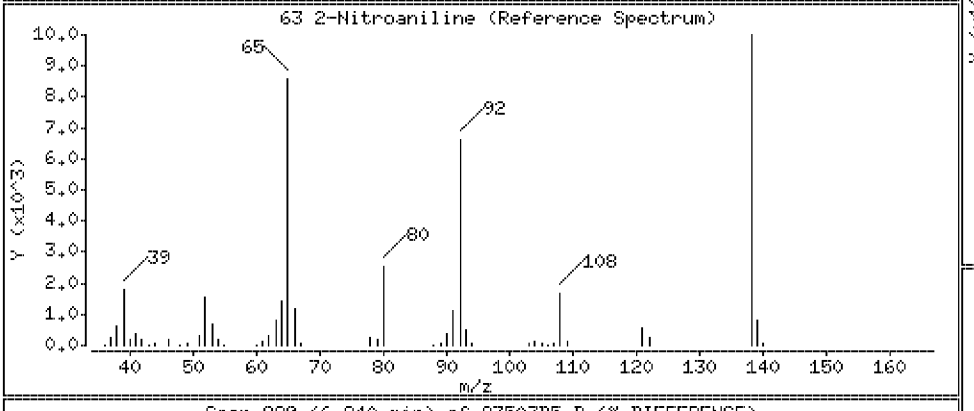
Column diameter: 0.25

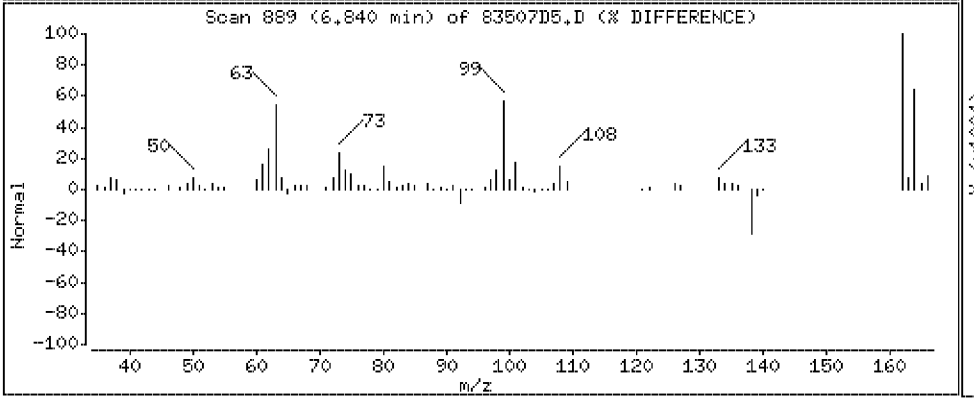
63 2-Nitroaniline

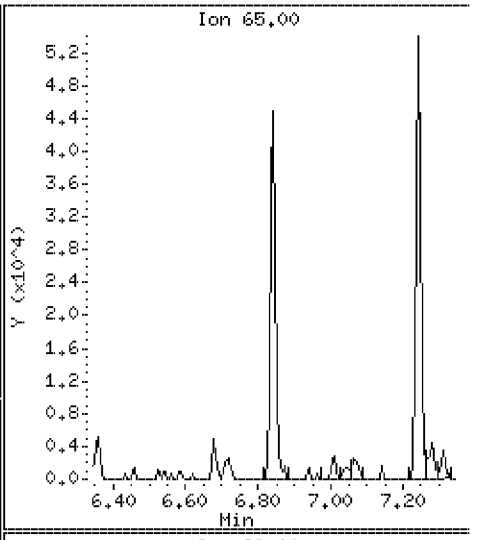
Concentration: 2030 ug/kg

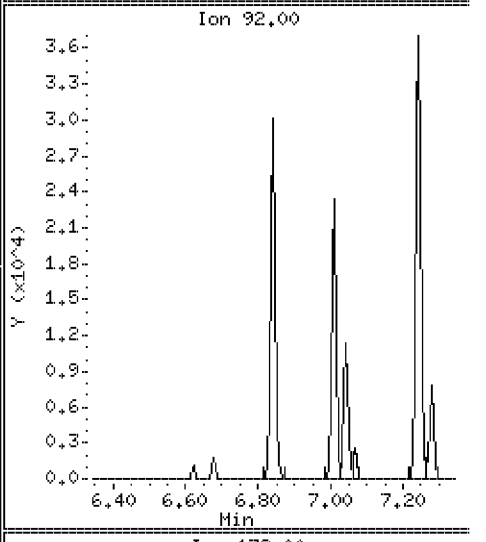


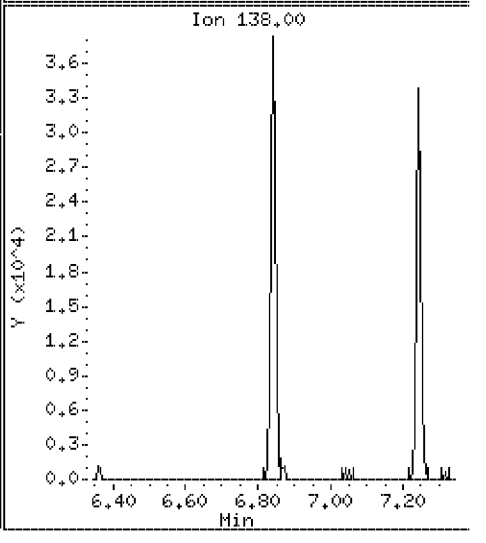












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

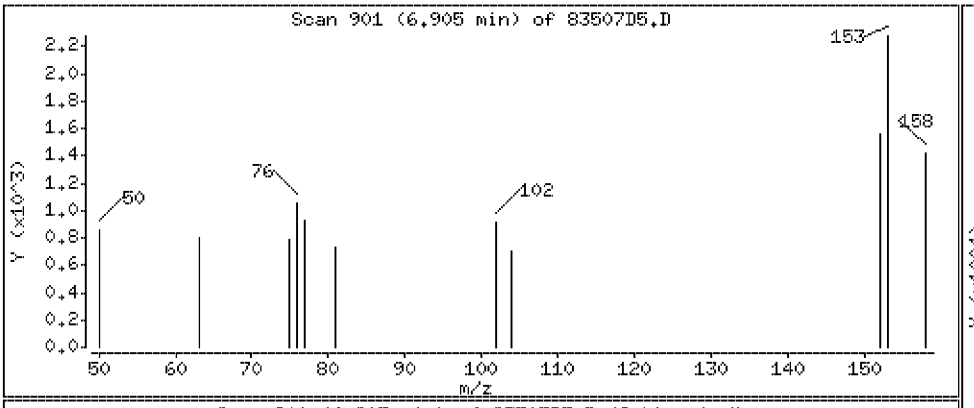
Operator: PEL

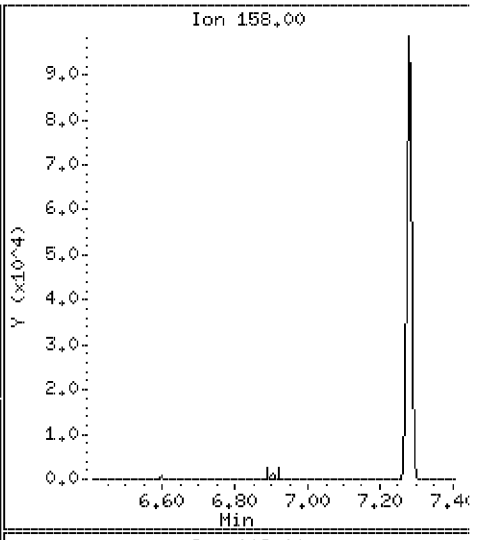
Column phase: HPMS-5

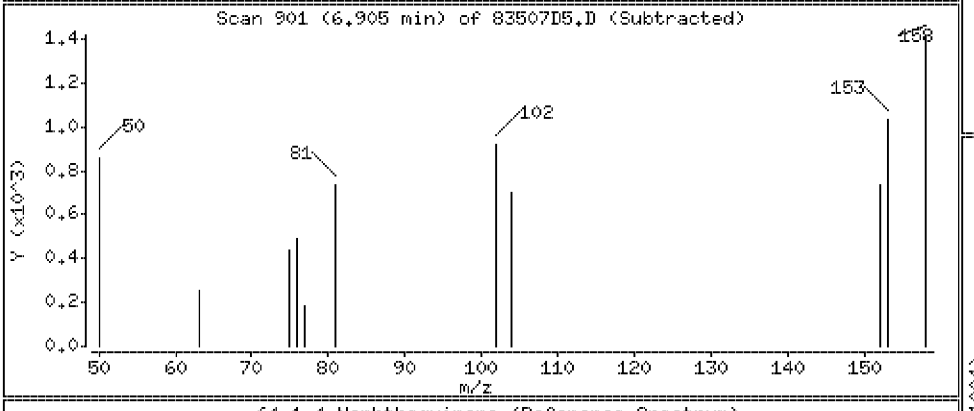
Column diameter: 0.25

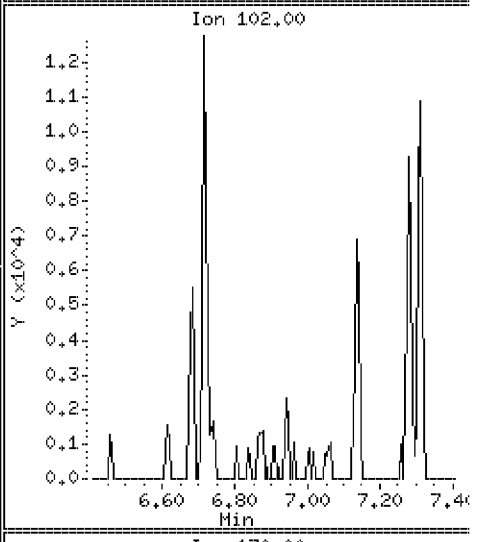
64 1,4-Naphthoquinone

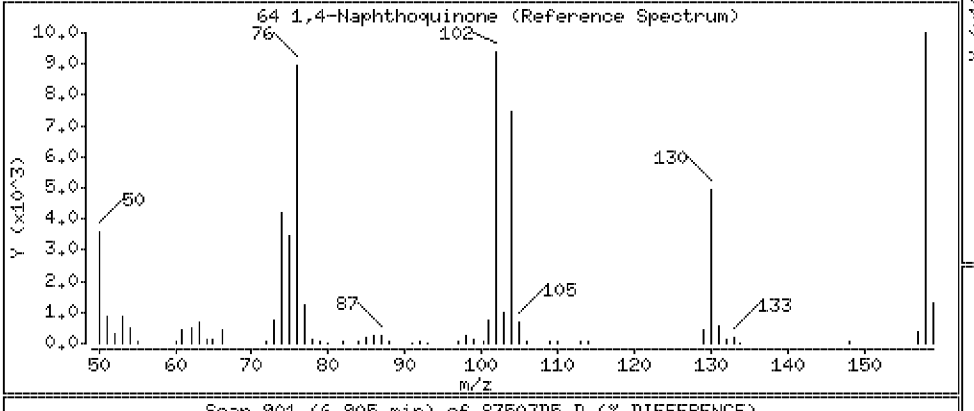
Concentration: 42.3 ug/kg

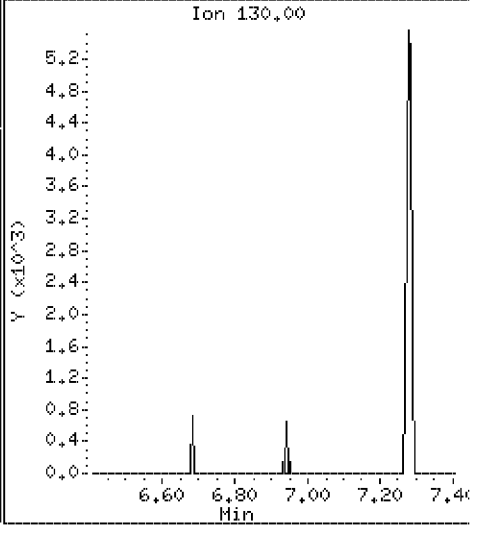


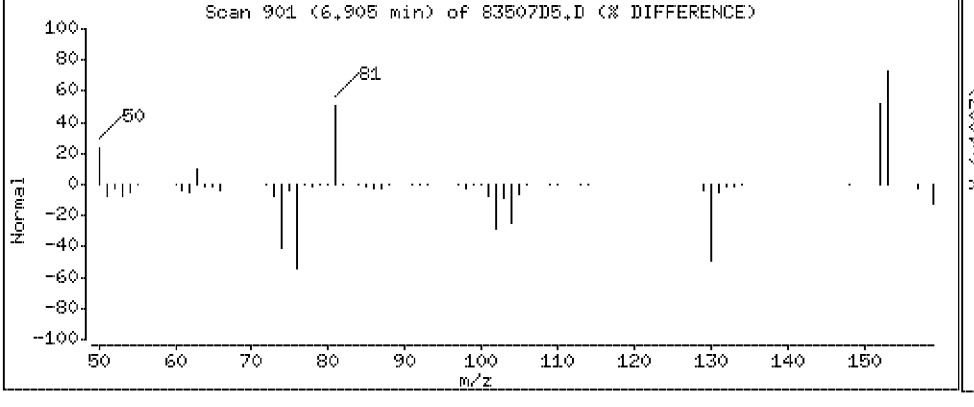












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

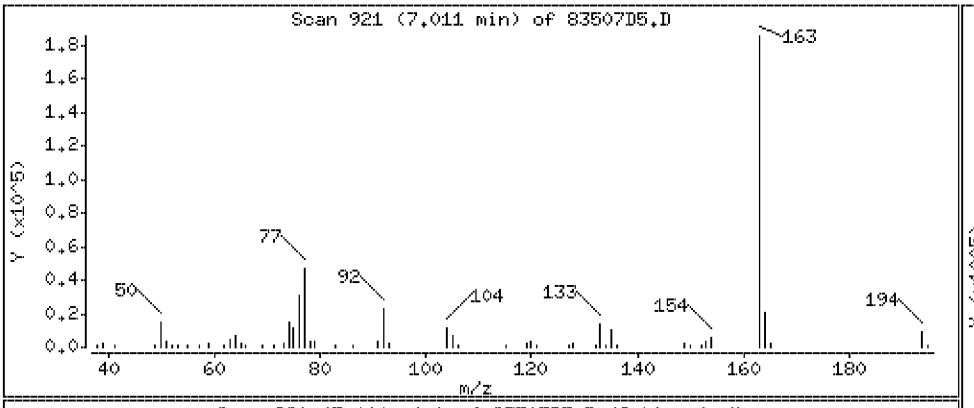
Operator: PEL

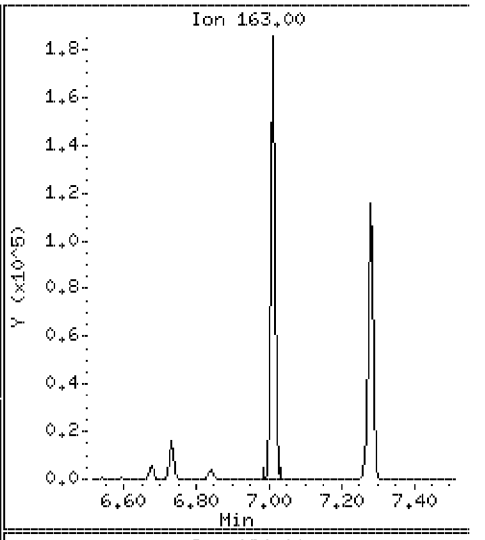
Column phase: HPMS-5

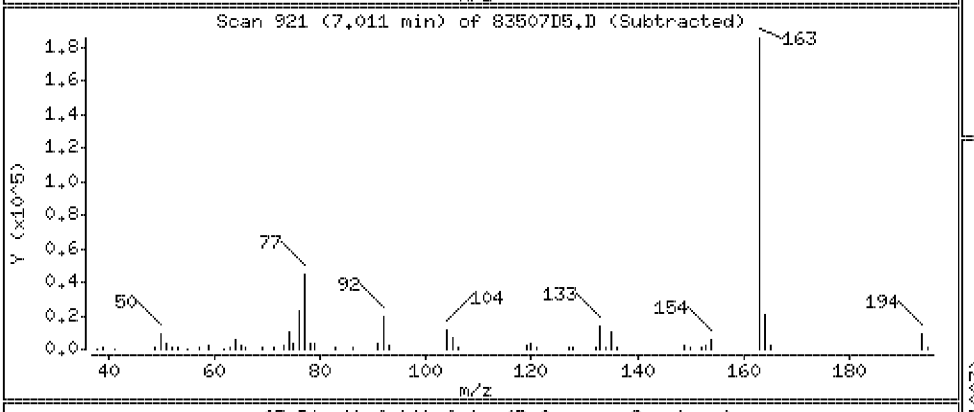
Column diameter: 0.25

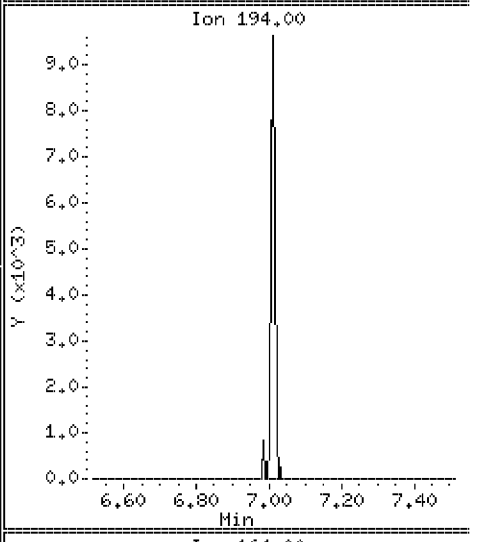
65 Dimethylphthalate

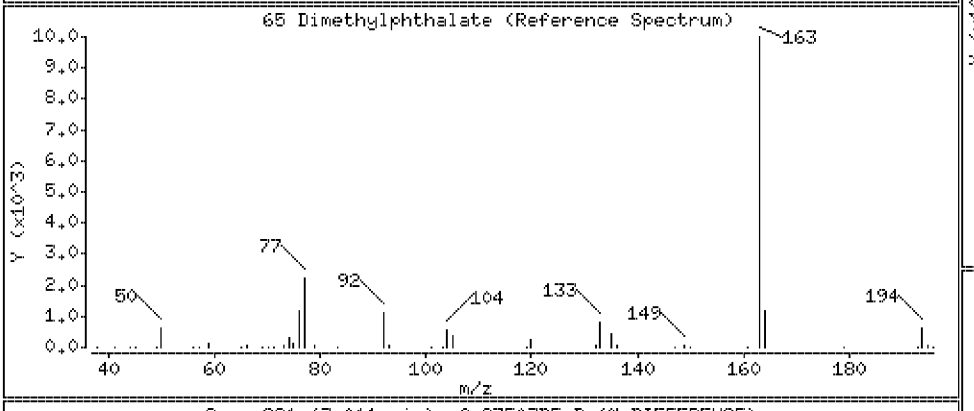
Concentration: 2010 ug/kg

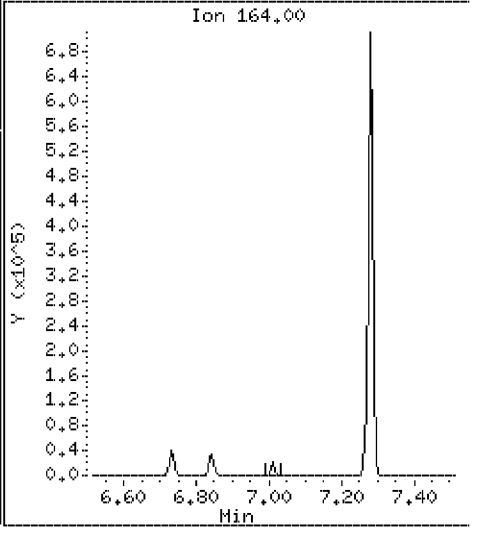


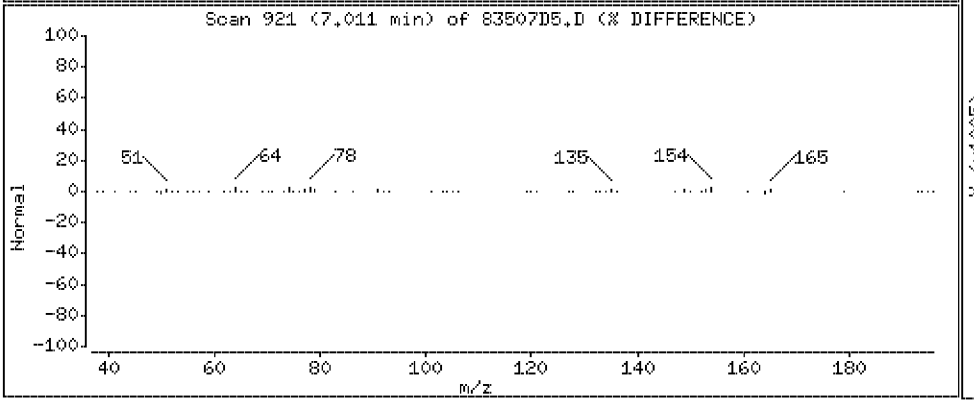












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

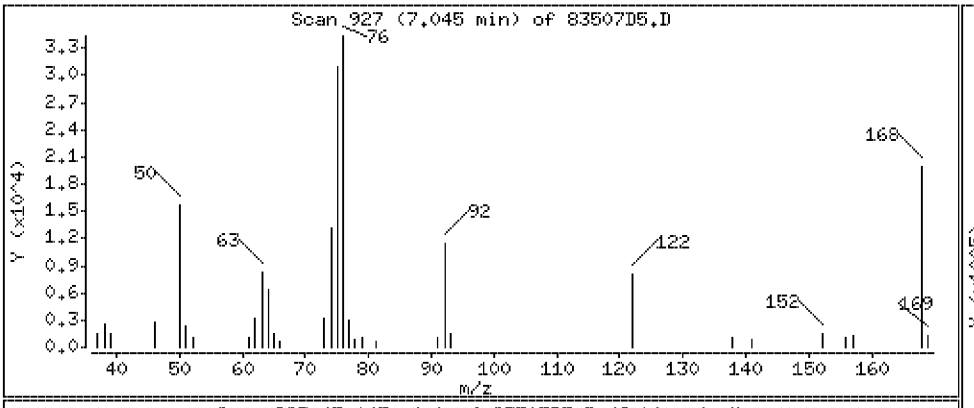
Operator: PEL

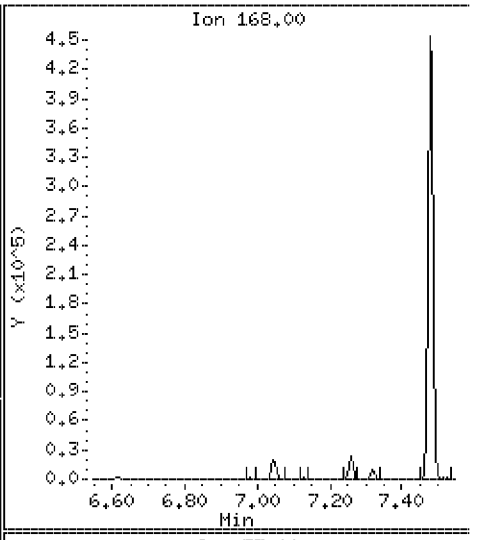
Column phase: HPMS-5

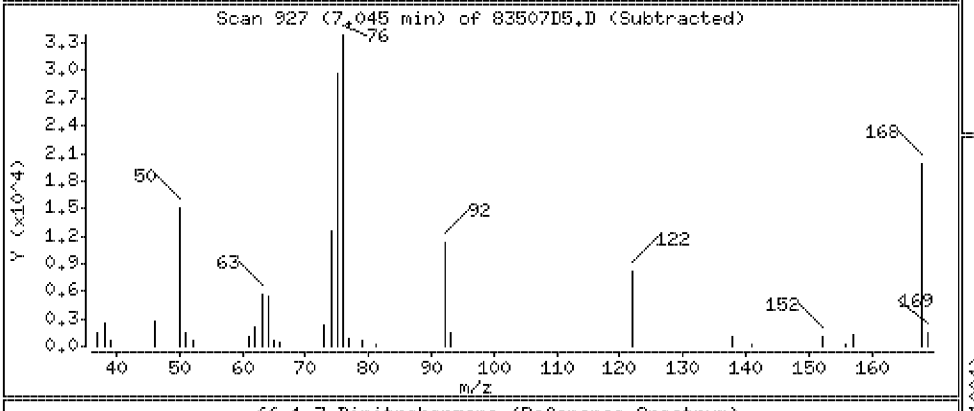
Column diameter: 0.25

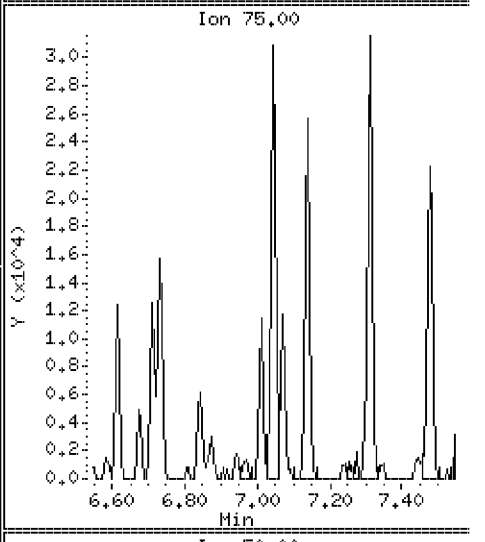
66 1,3-Dinitrobenzene

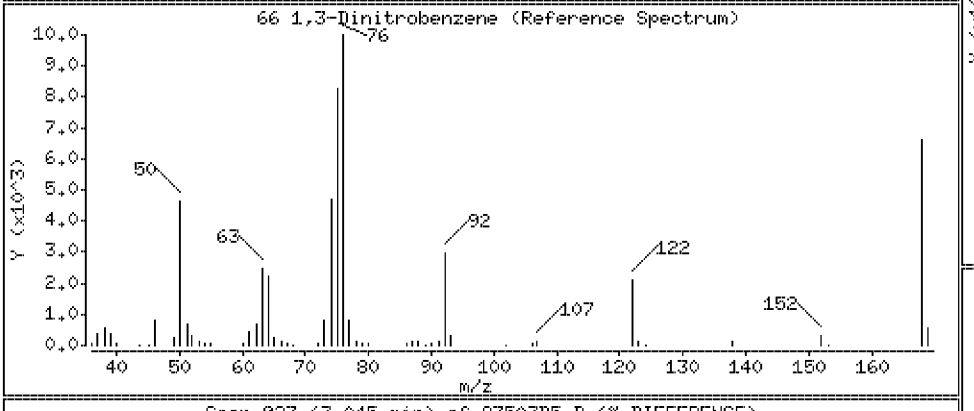
Concentration: 1880 ug/kg

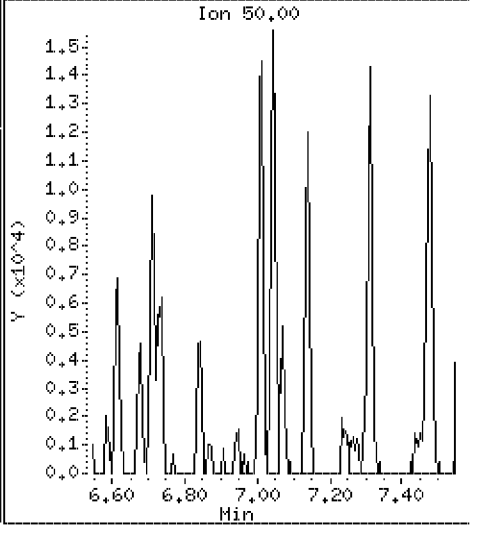


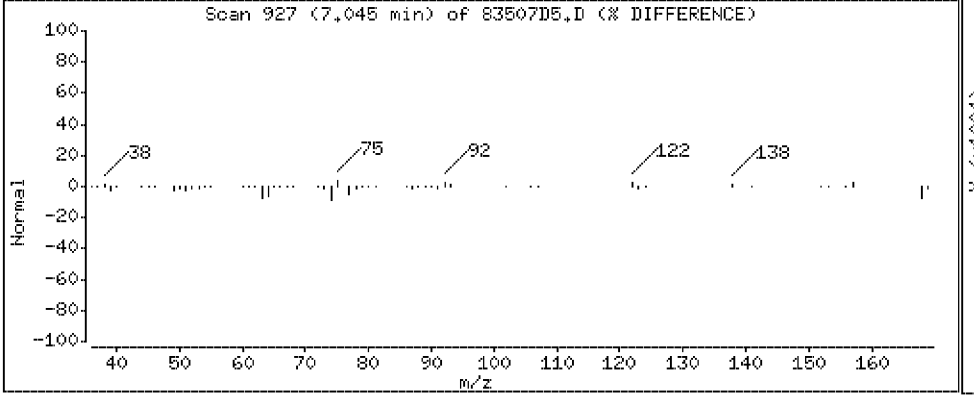












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

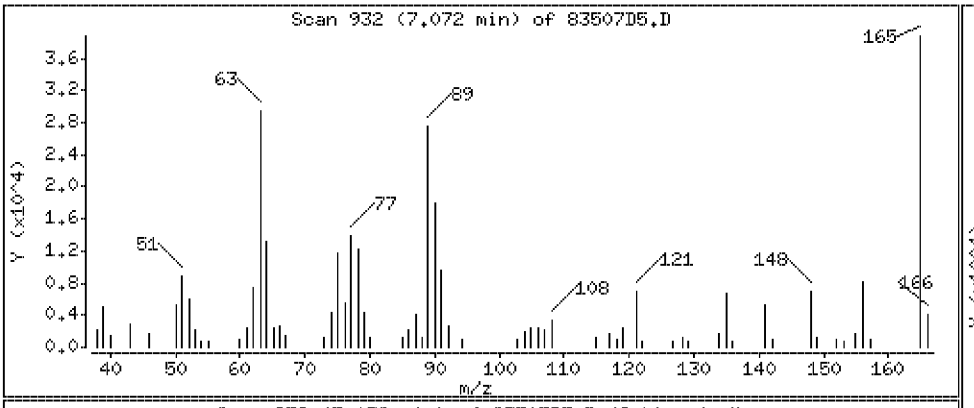
Operator: PEL

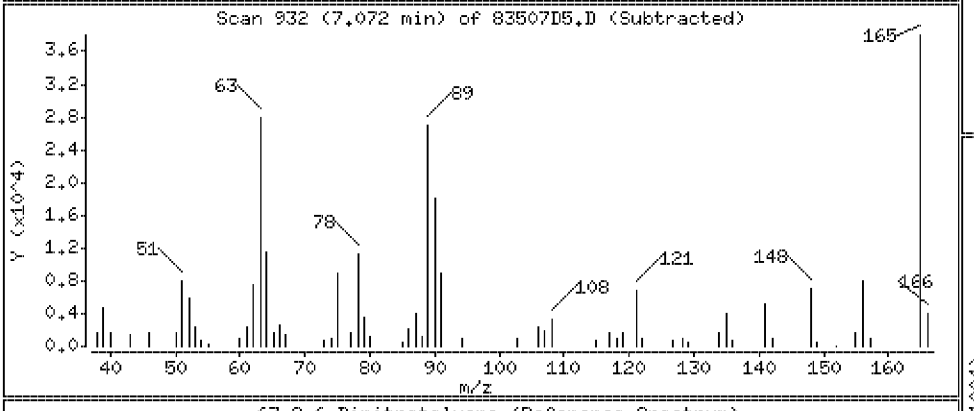
Column phase: HPMS-5

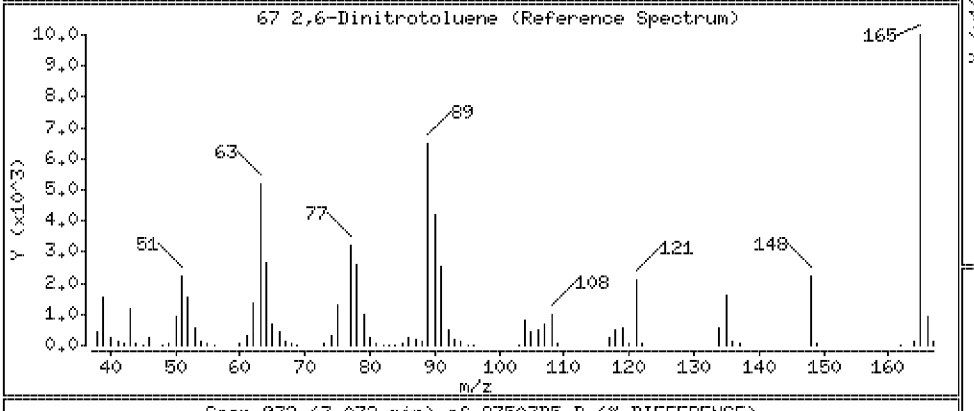
Column diameter: 0.25

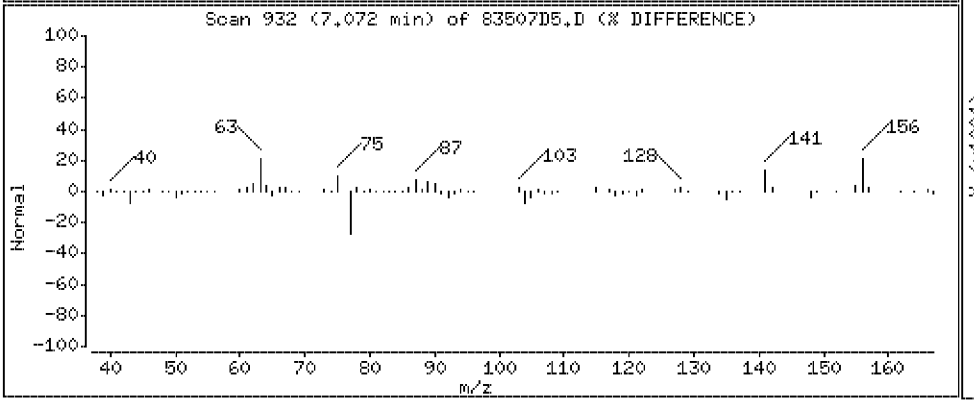
67 2,6-Dinitrotoluene

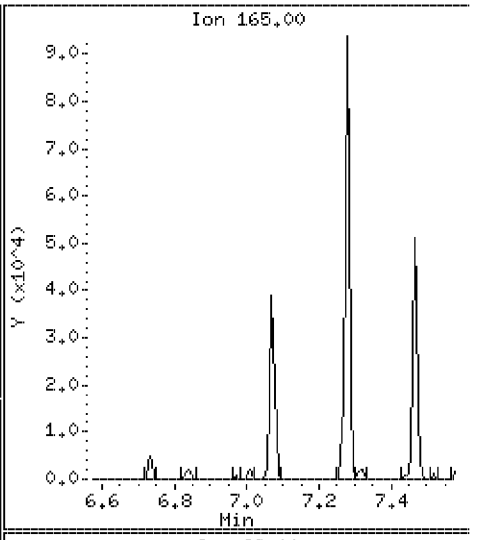
Concentration: 1940 ug/kg

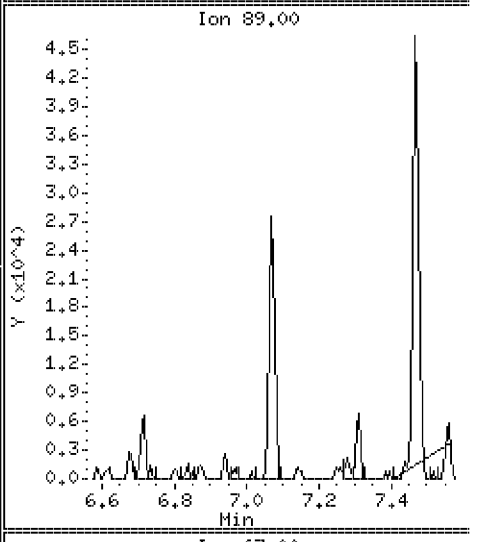


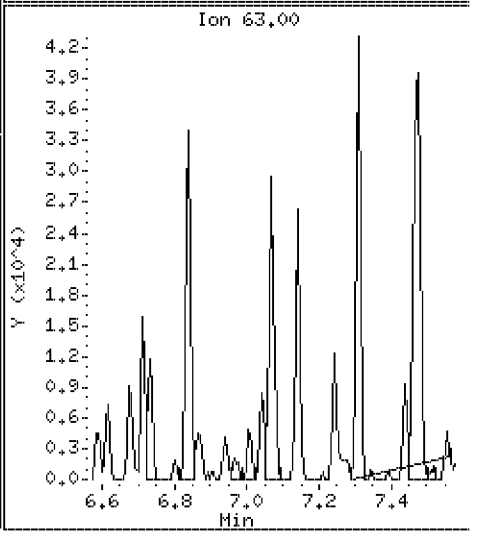












Date : 26-APR-2012 19:10

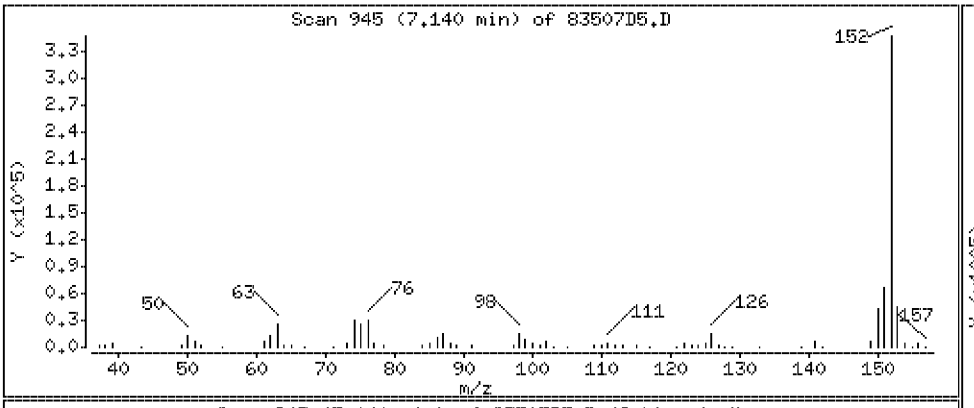
Client ID: EPAFMC-SD-01MS Instrument: smsd03.i

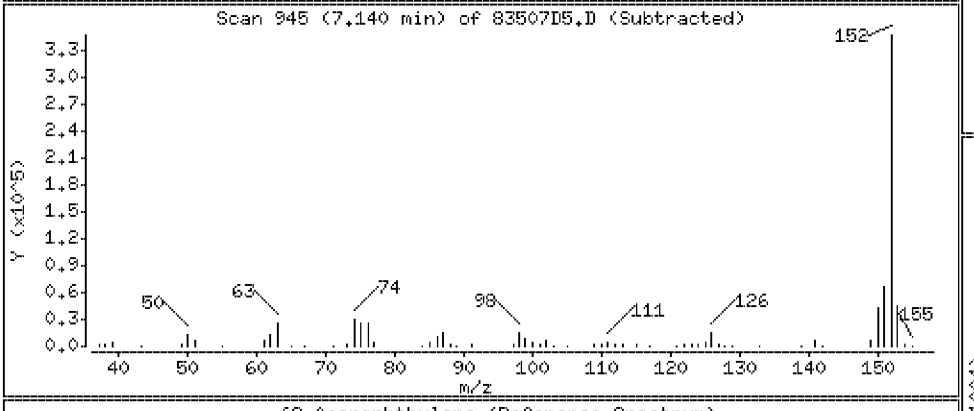
Sample Info: sw350583507

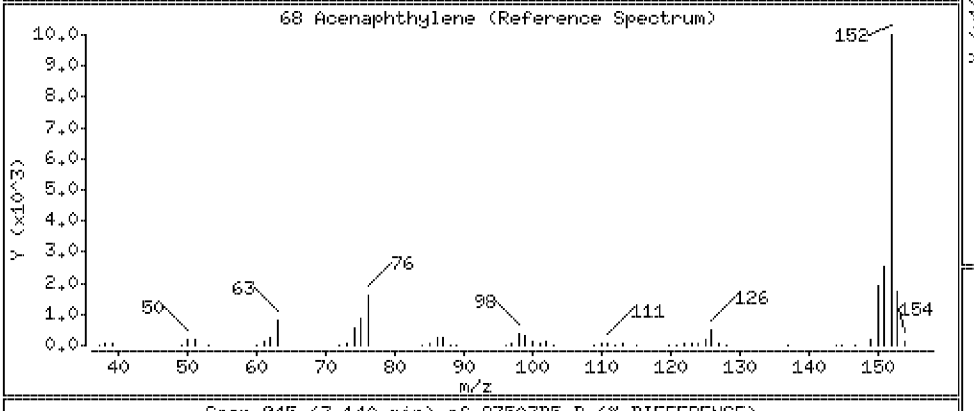
Operator: PEL

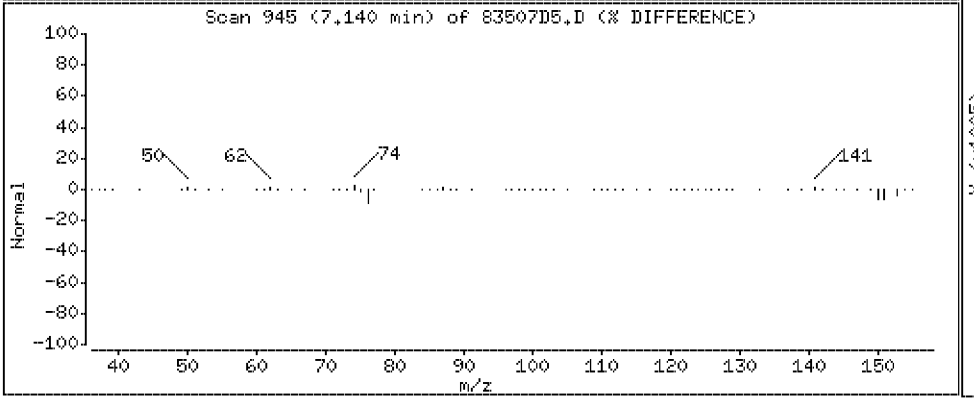
Column phase: HPMS-5 Column diameter: 0.25

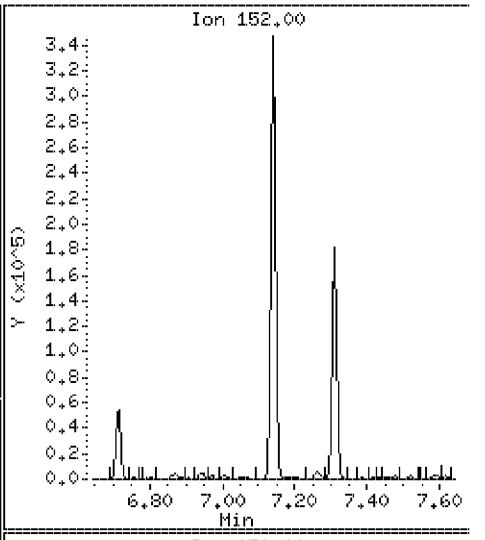
68 Acenaphthylene Concentration: 3340 ug/kg

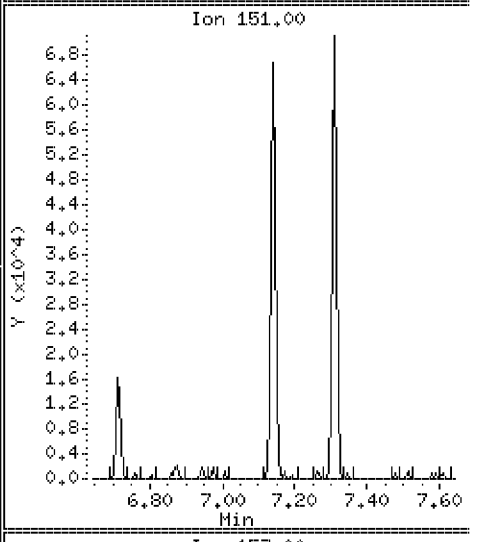


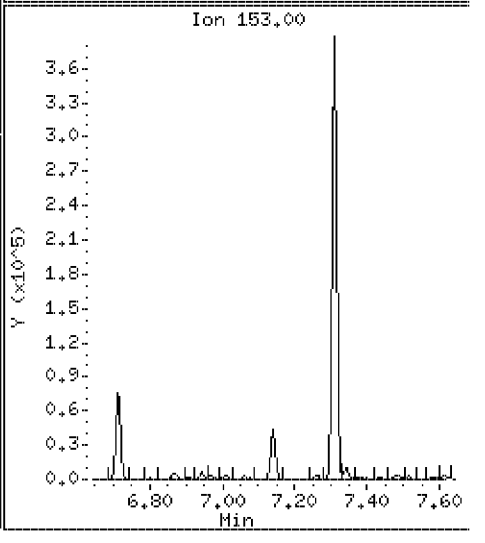












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

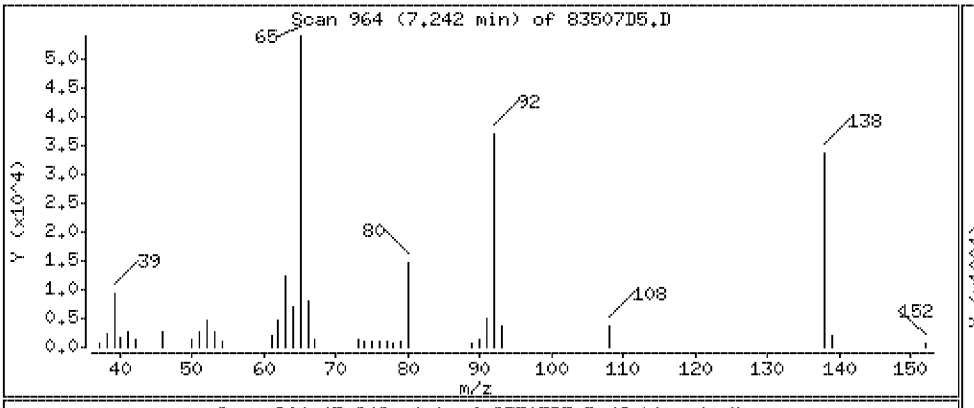
Operator: PEL

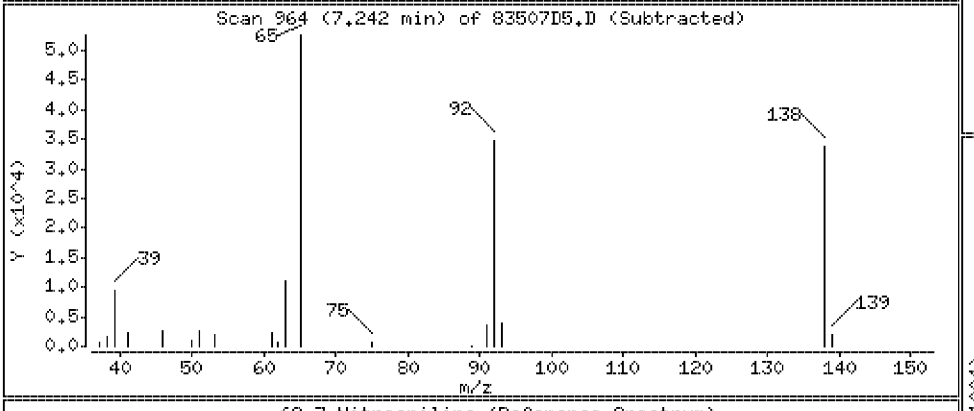
Column phase: HPMS-5

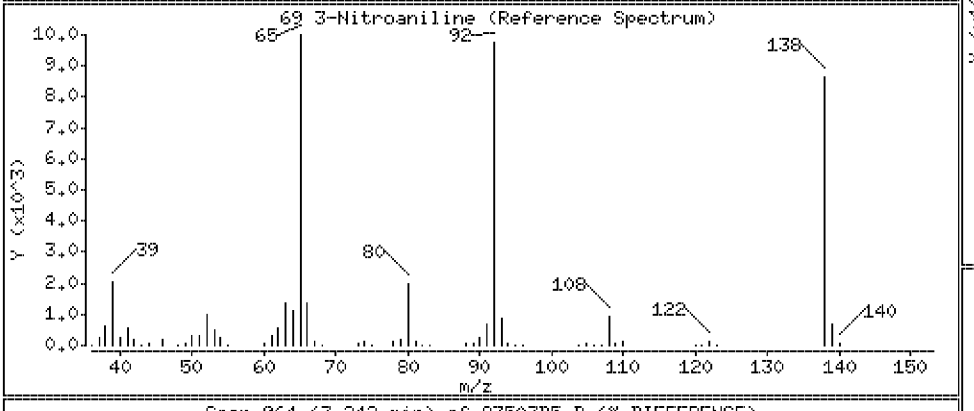
Column diameter: 0.25

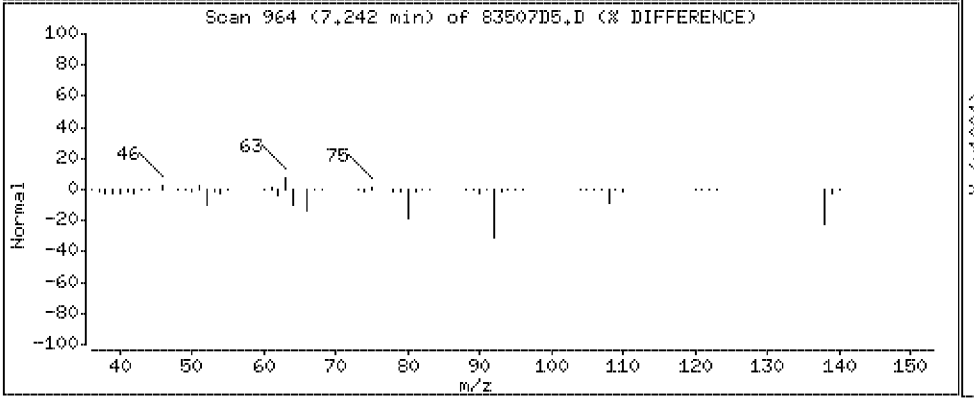
69 3-Nitroaniline

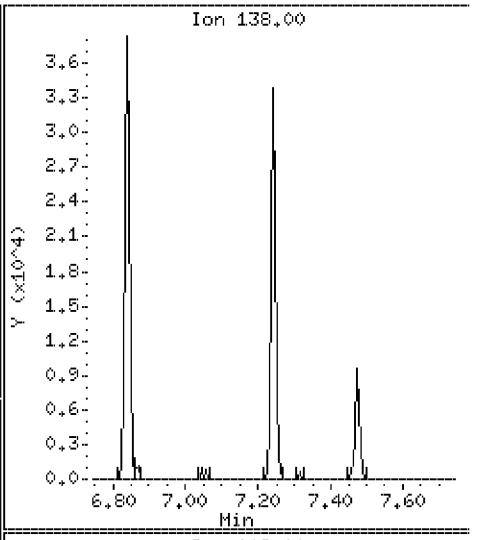
Concentration: 2010 ug/kg

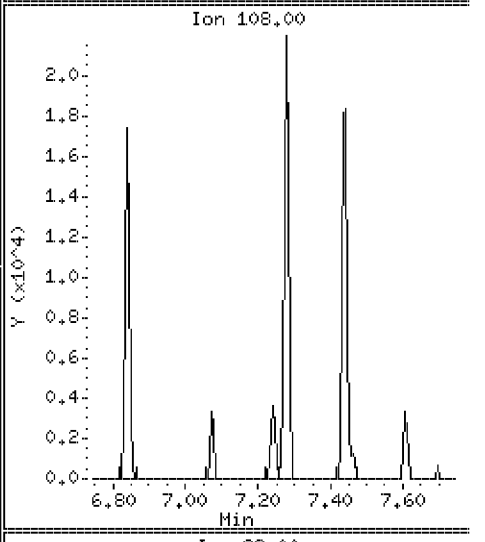


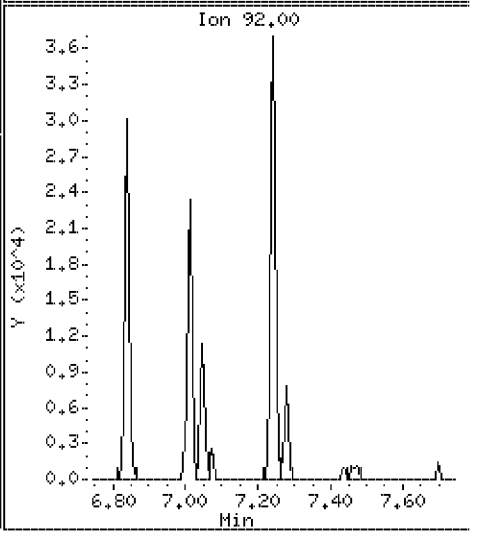












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

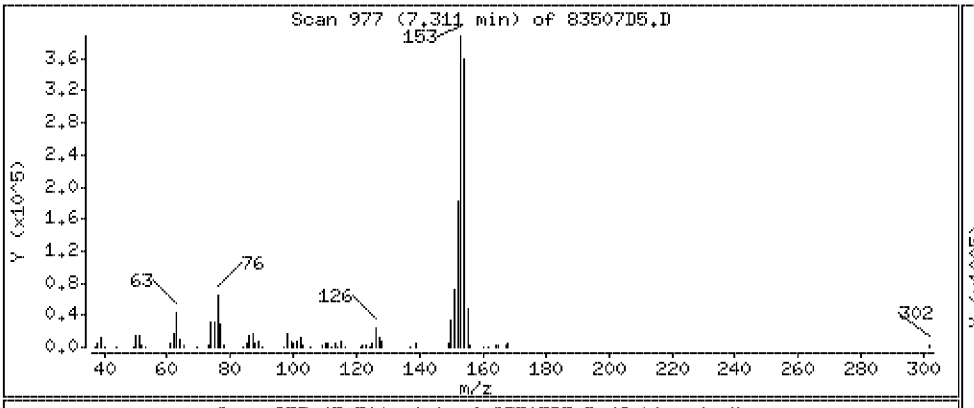
Operator: PEL

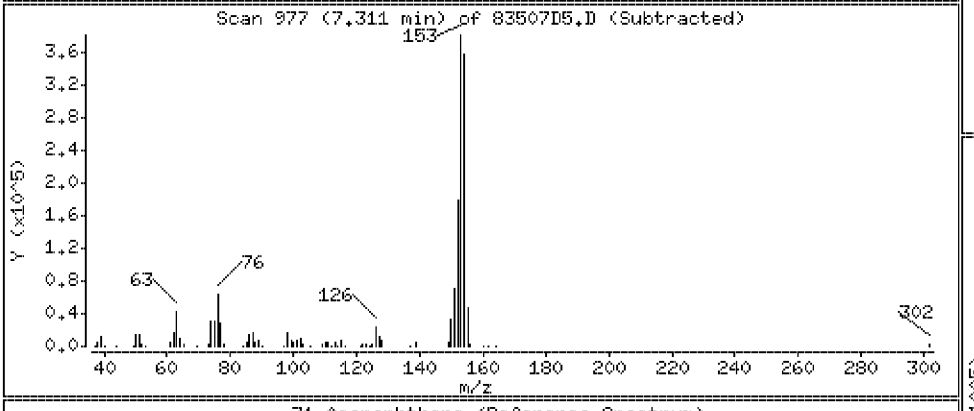
Column phase: HPMS-5

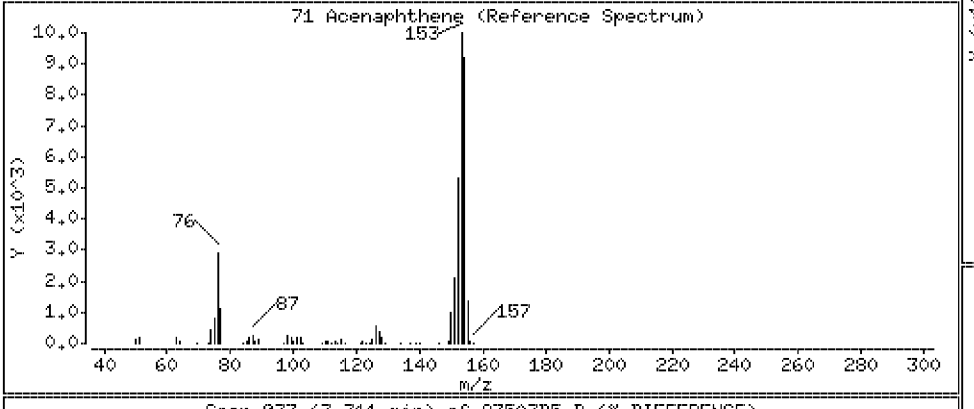
Column diameter: 0.25

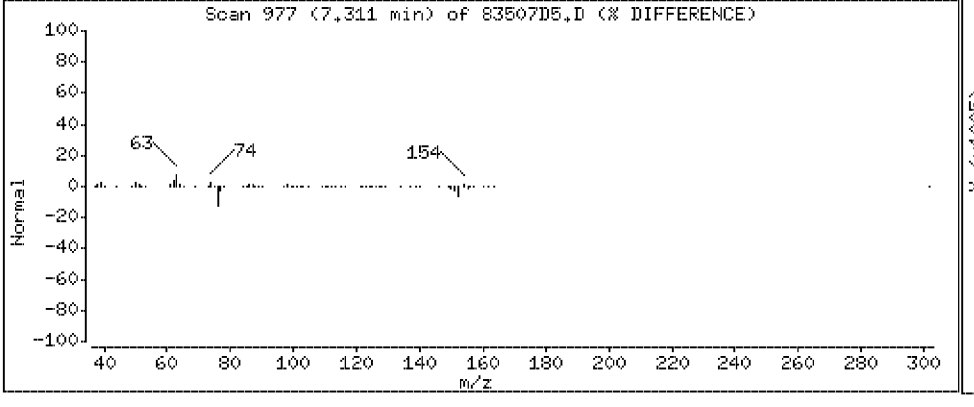
71 Acenaphthene

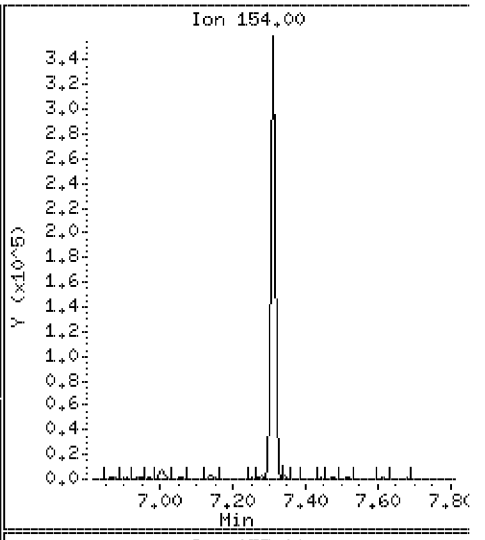
Concentration: 5450 ug/kg

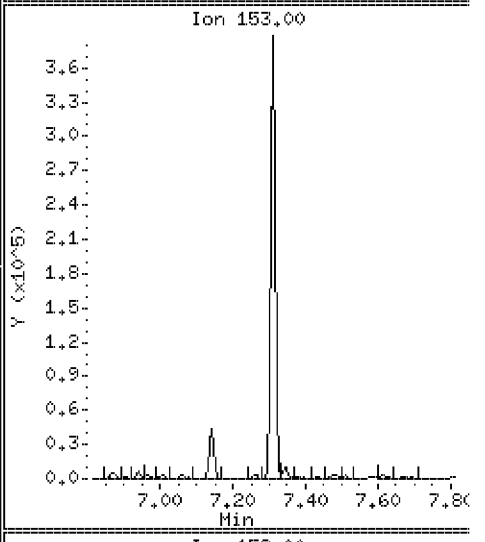


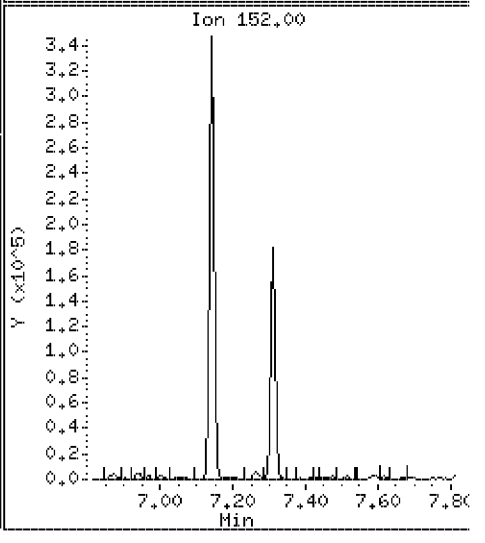












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

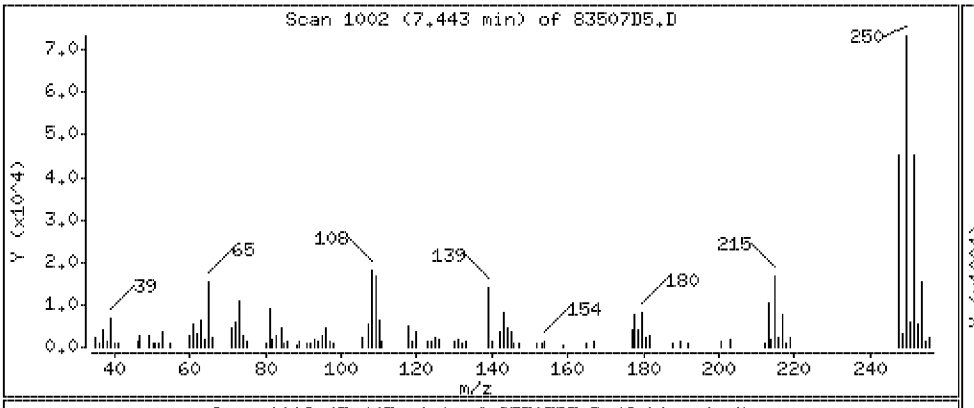
Operator: PEL

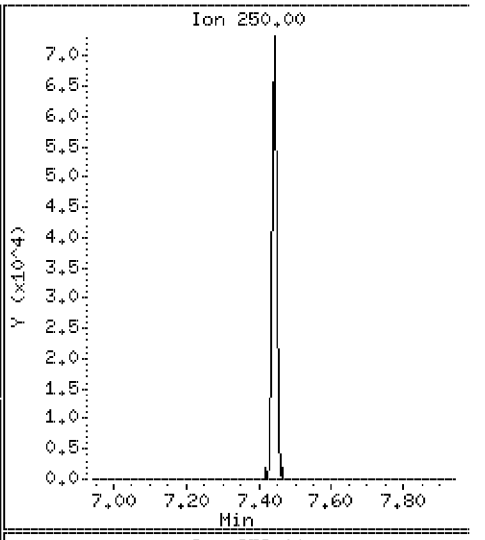
Column phase: HPMS-5

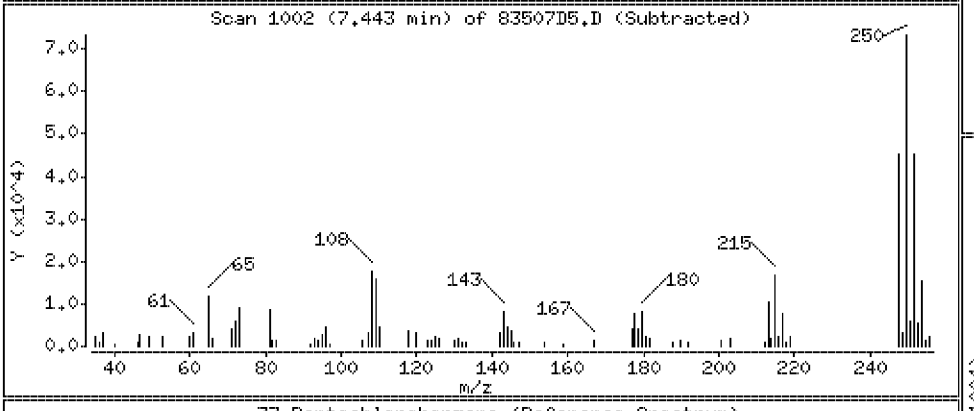
Column diameter: 0.25

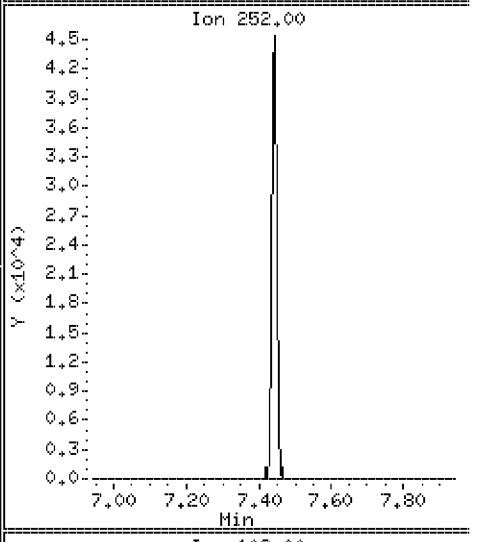
73 Pentachlorobenzene

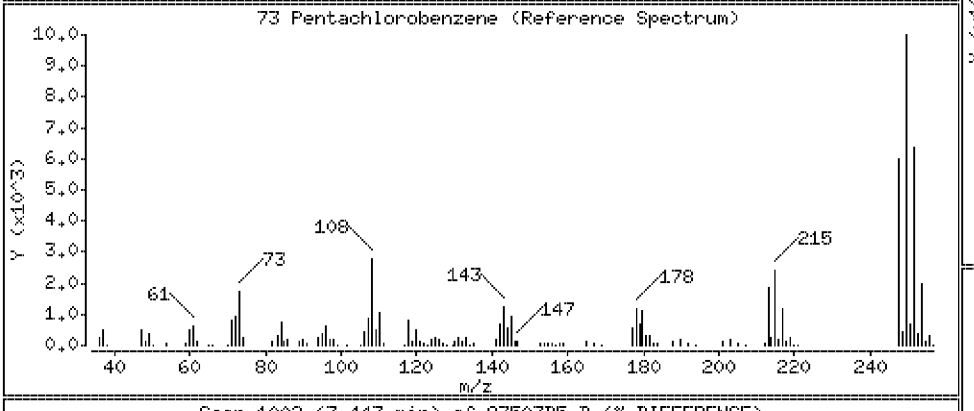
Concentration: 1620 ug/kg

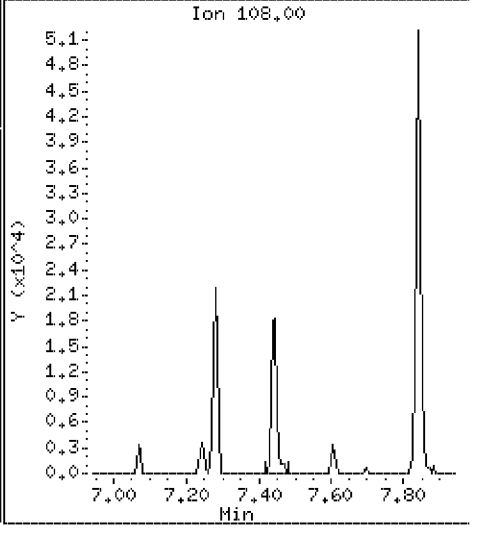


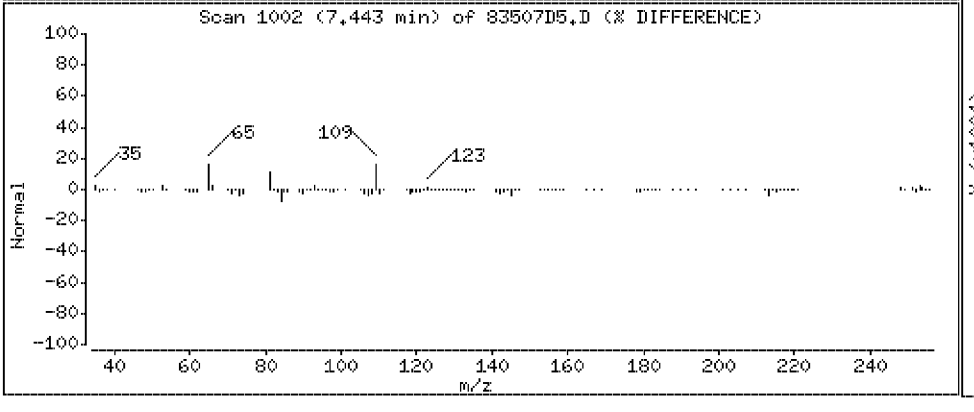












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

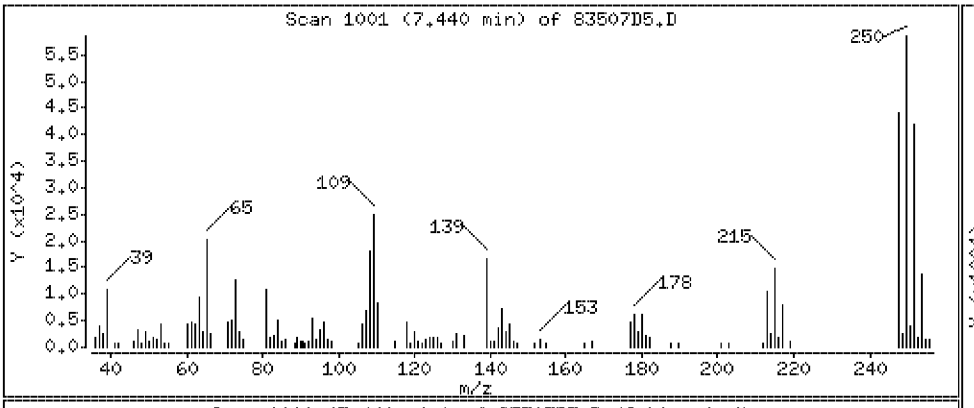
Operator: PEL

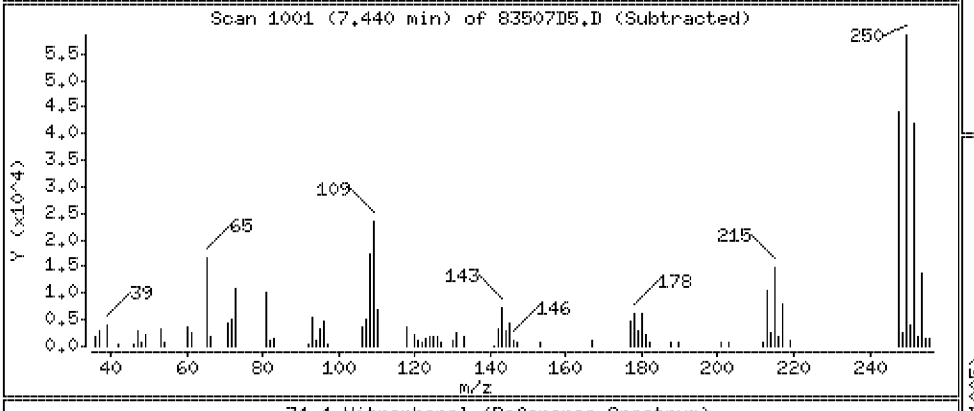
Column phase: HPMS-5

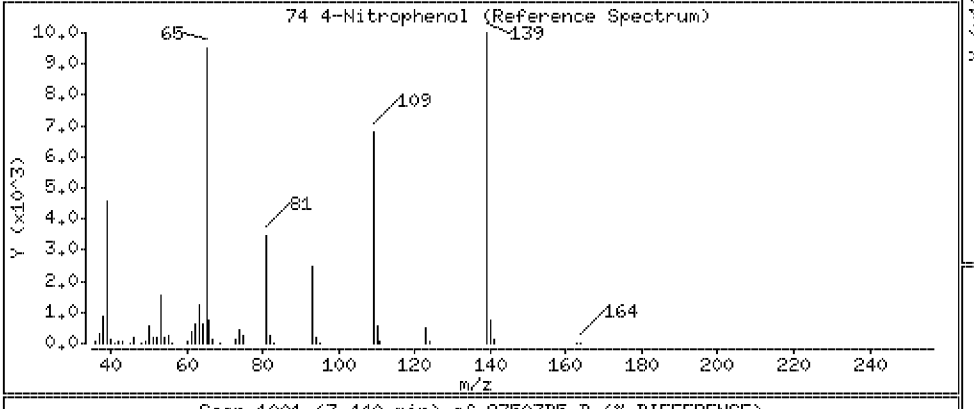
Column diameter: 0.25

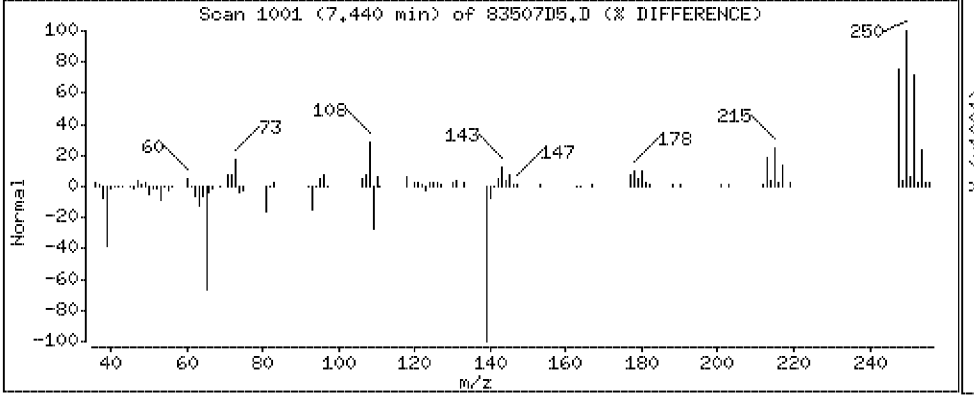
74 4-Nitrophenol

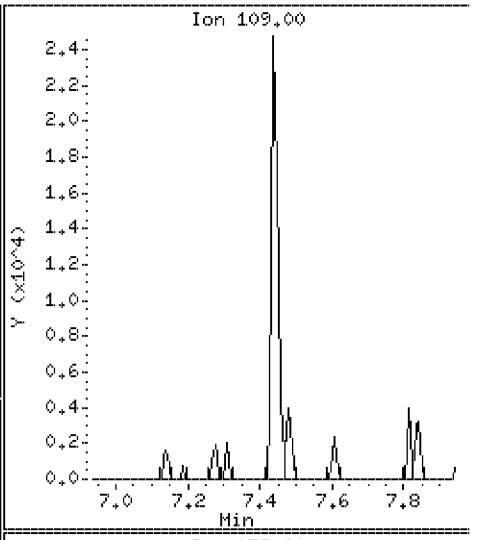
Concentration: 1550 ug/kg

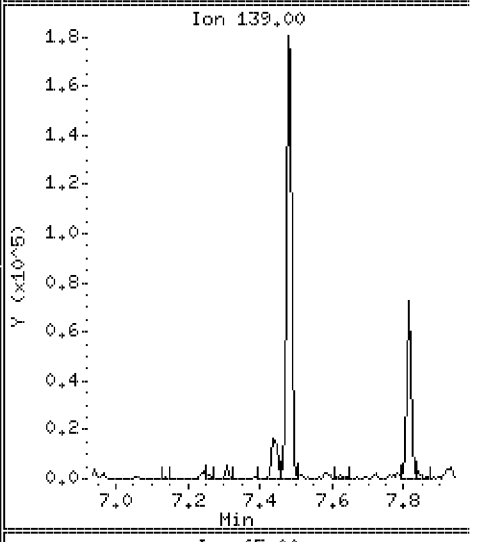


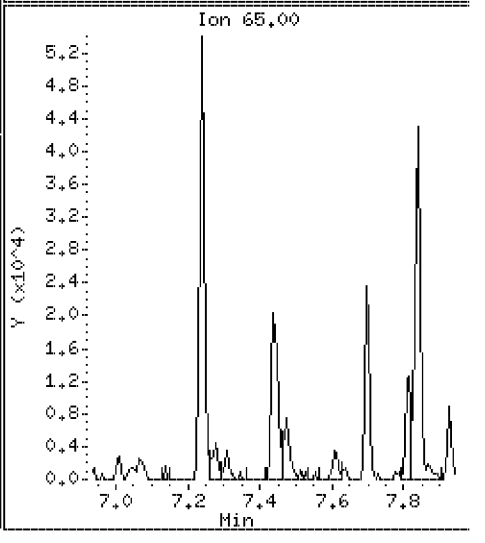












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

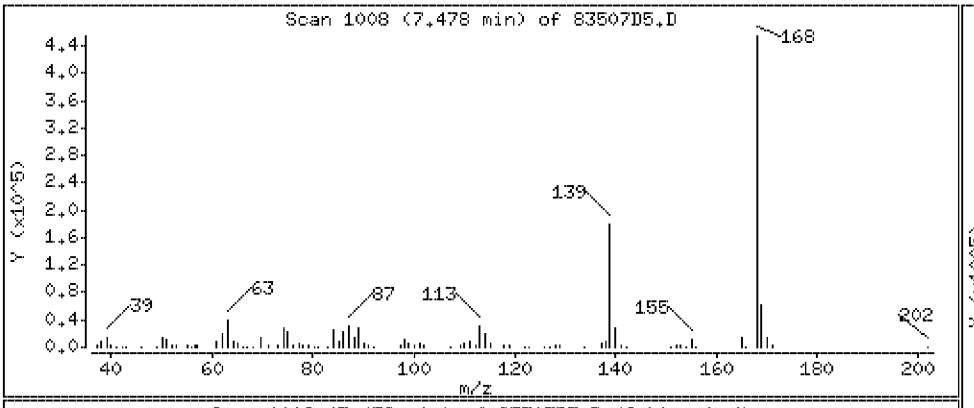
Operator: PEL

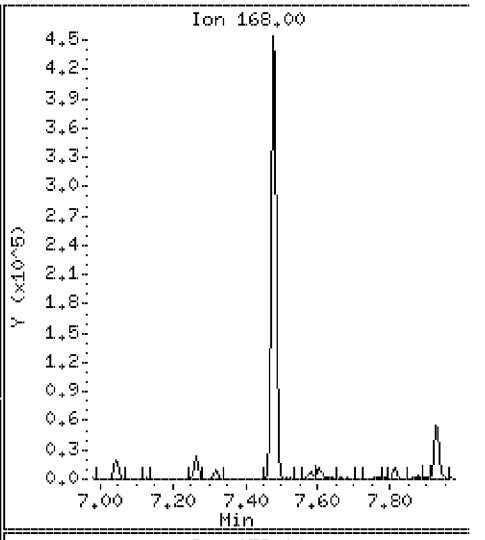
Column phase: HPMS-5

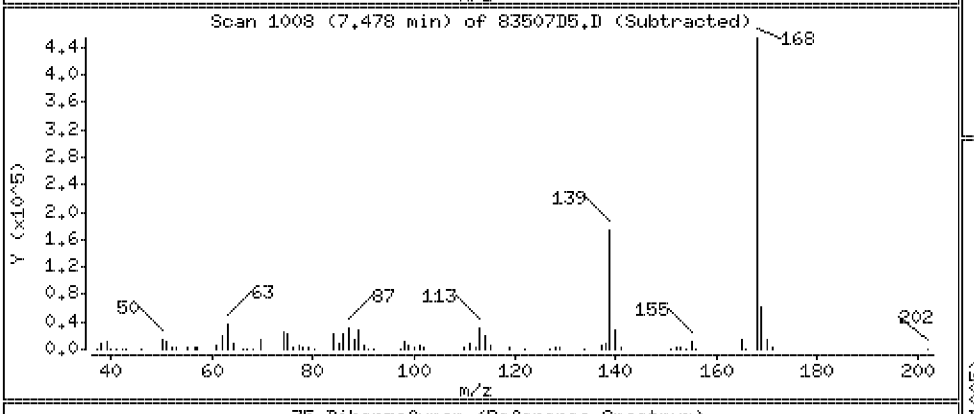
Column diameter: 0.25

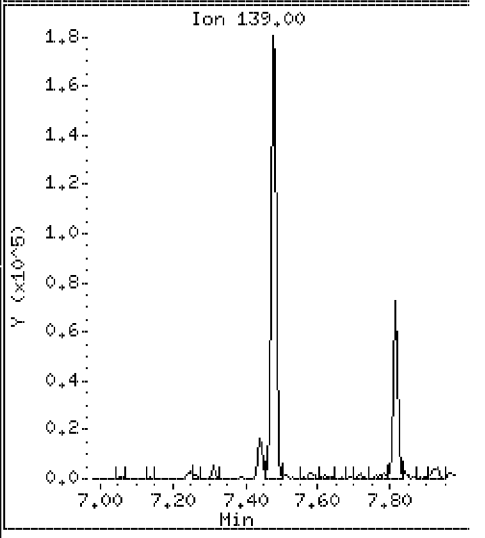
75 Dibenzofuran

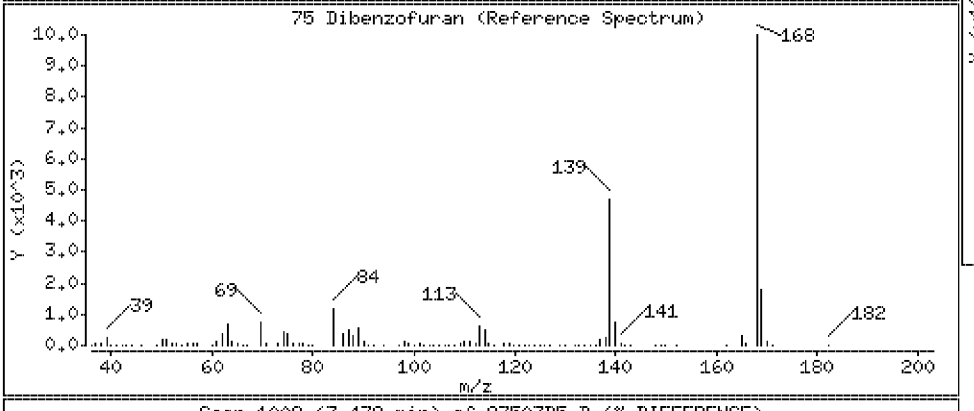
Concentration: 4670 ug/kg

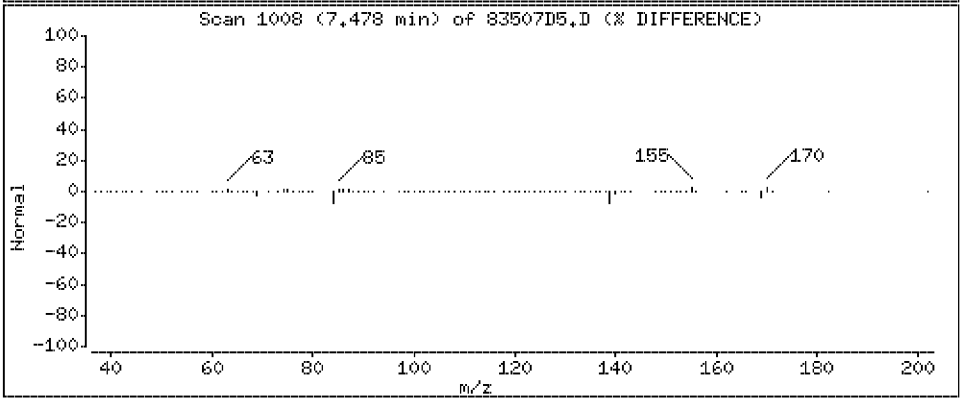












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

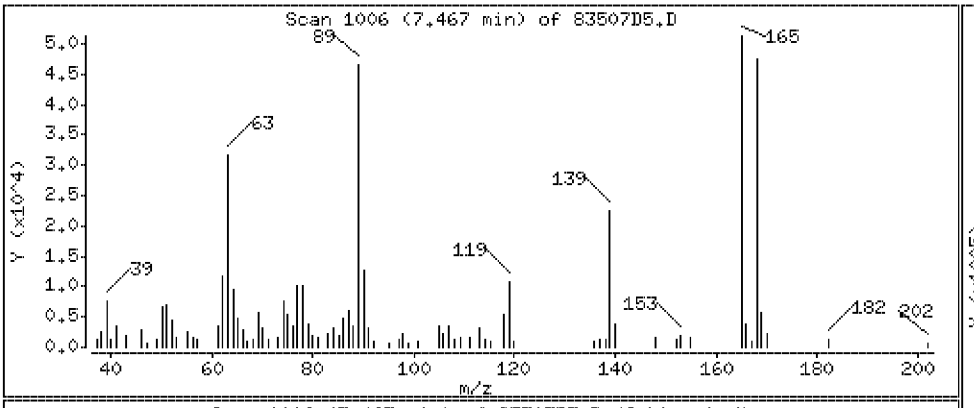
Operator: PEL

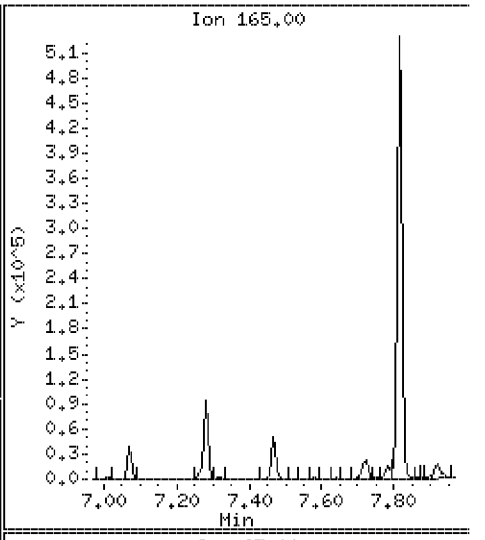
Column phase: HPMS-5

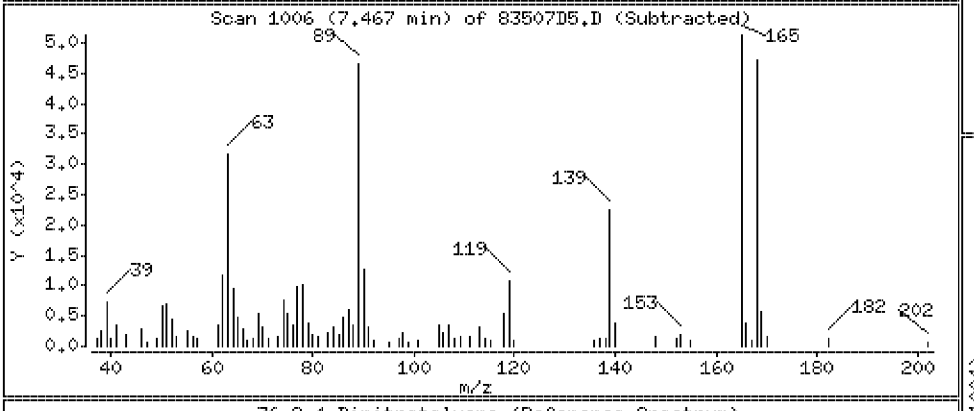
Column diameter: 0.25

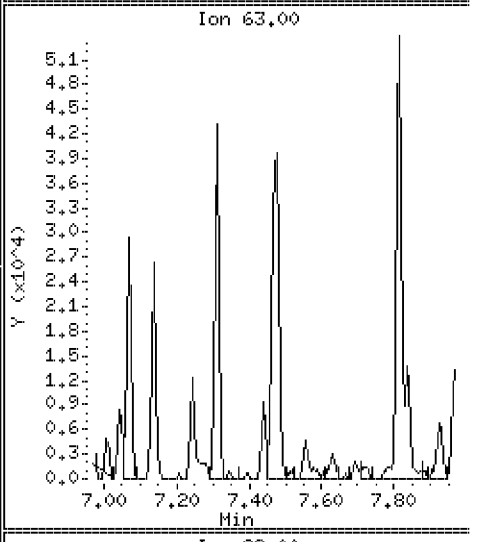
76 2,4-Dinitrotoluene

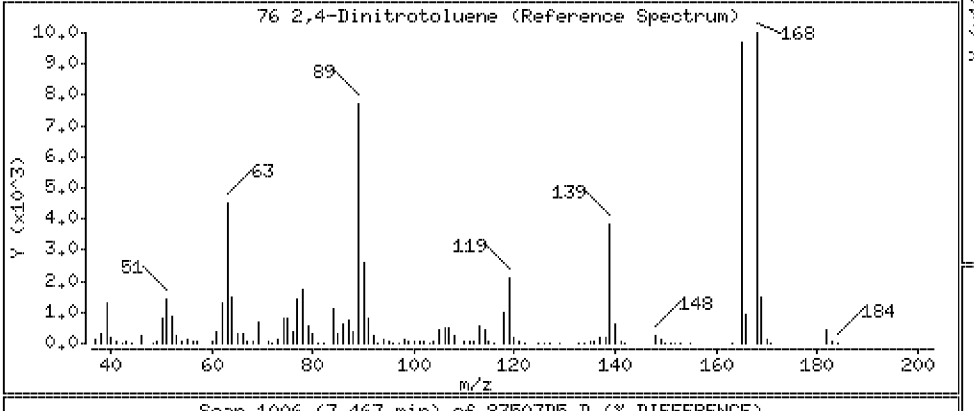
Concentration: 1980 ug/kg

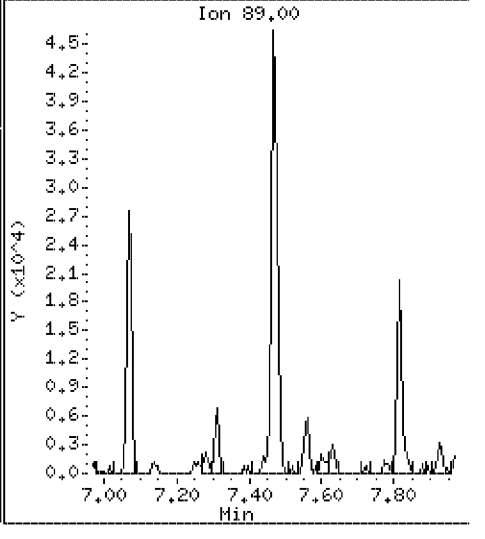


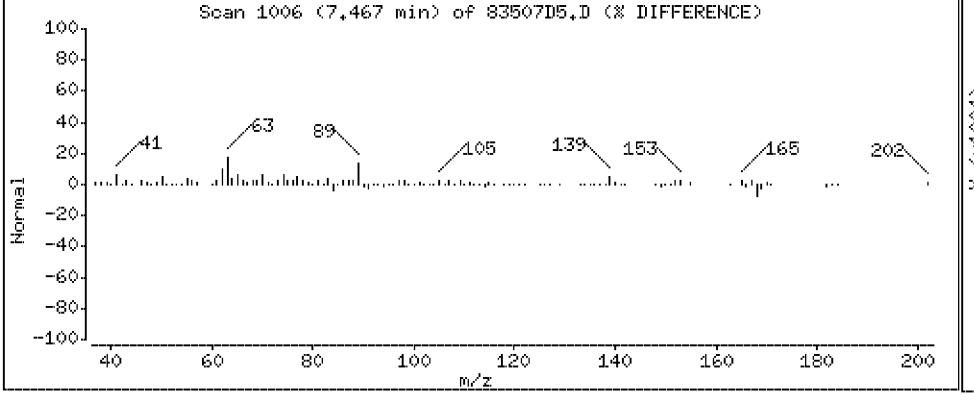












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

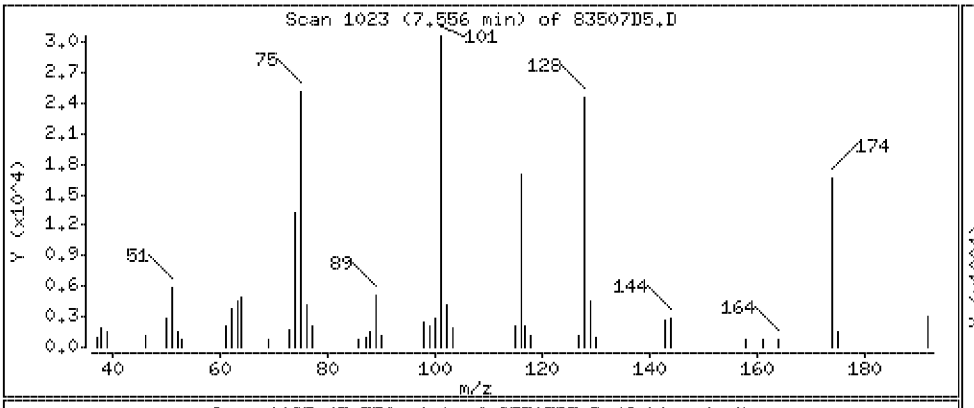
Operator: PEL

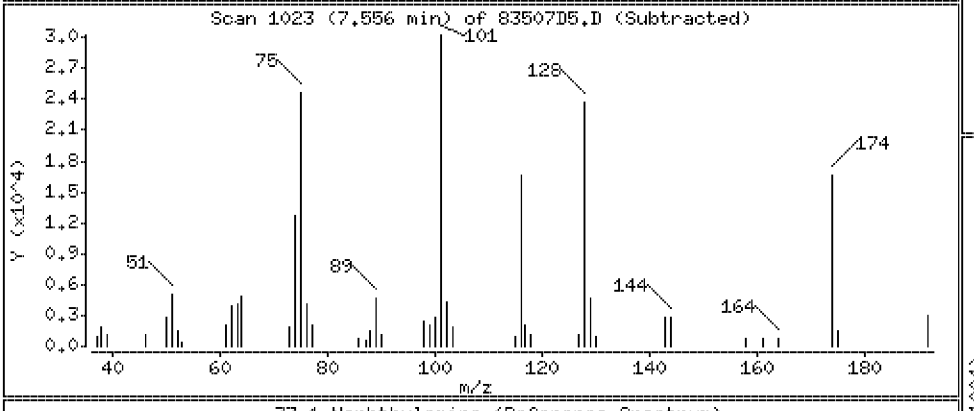
Column phase: HPMS-5

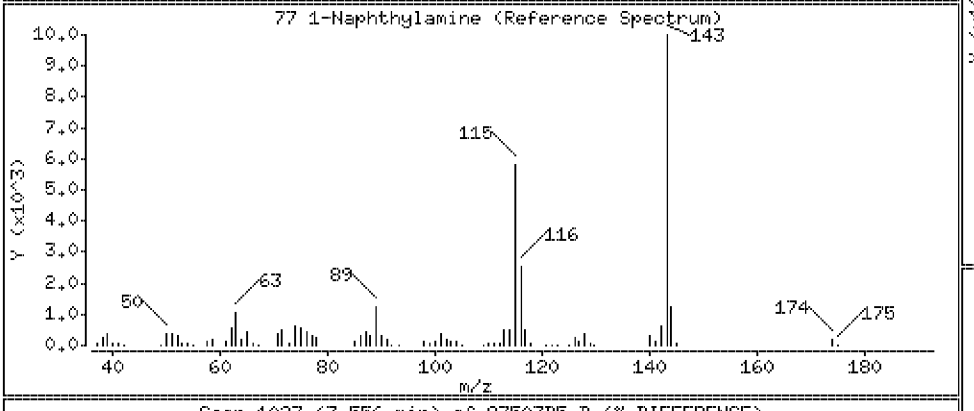
Column diameter: 0.25

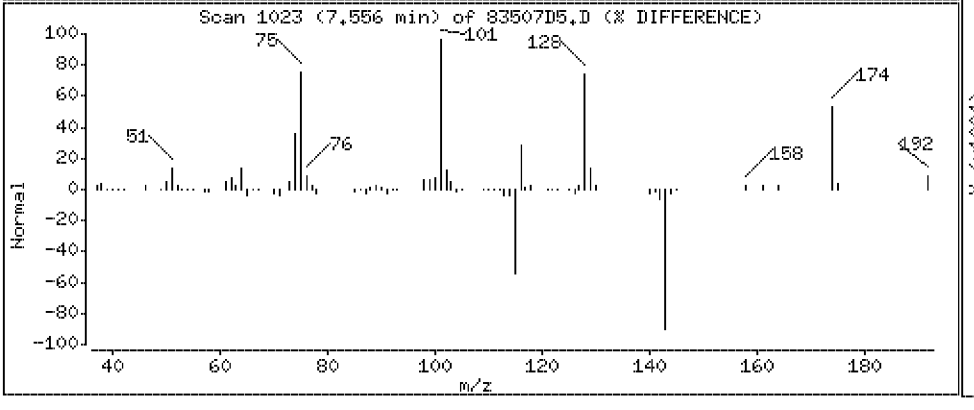
77 1-Naphthylamine

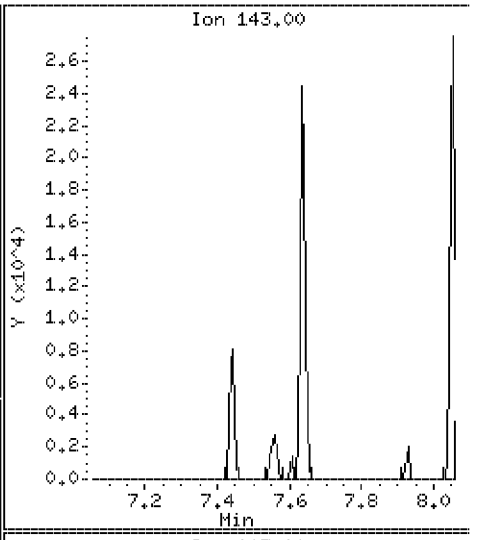
Concentration: 70.7 ug/kg

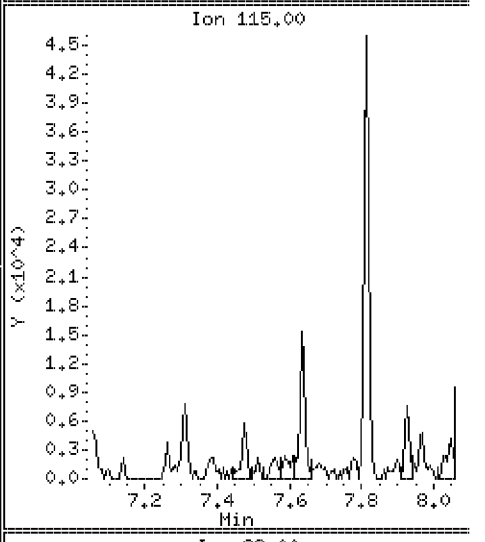


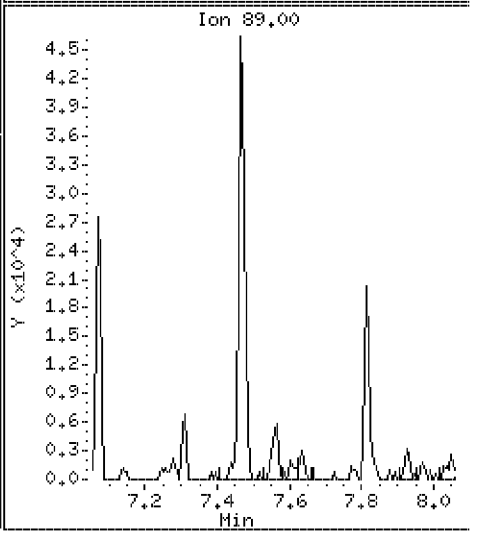












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

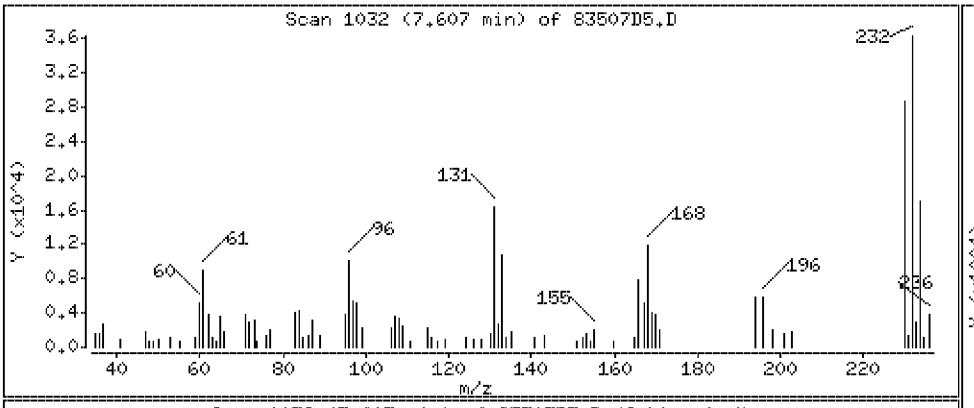
Operator: PEL

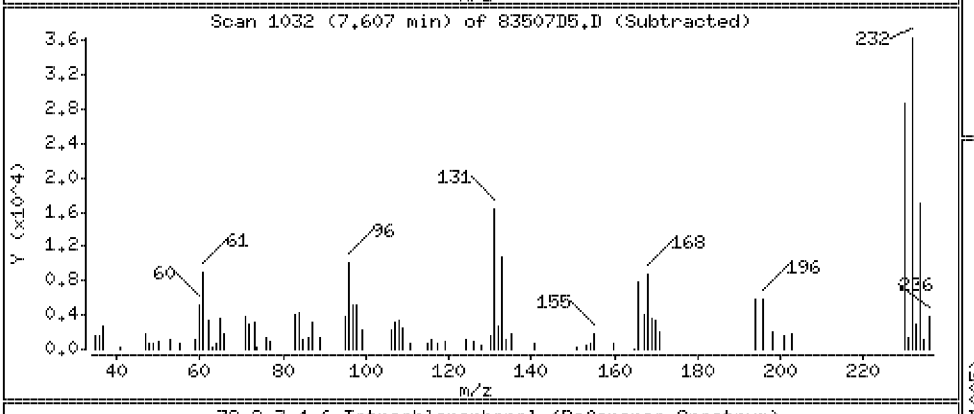
Column phase: HPMS-5

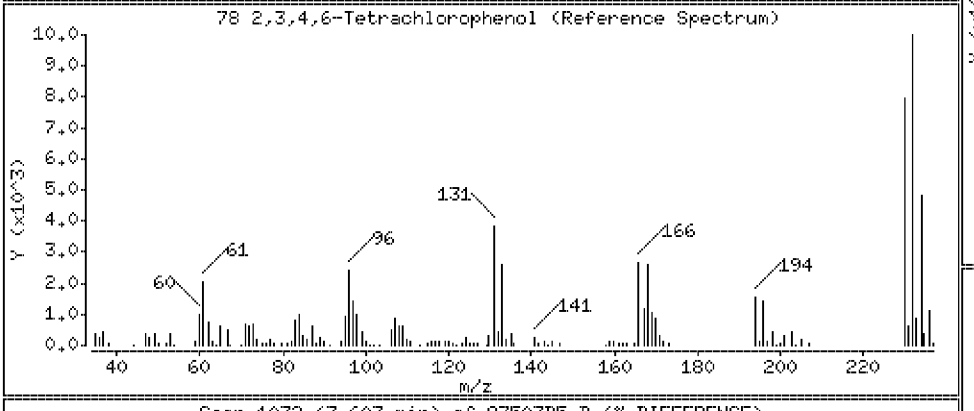
Column diameter: 0.25

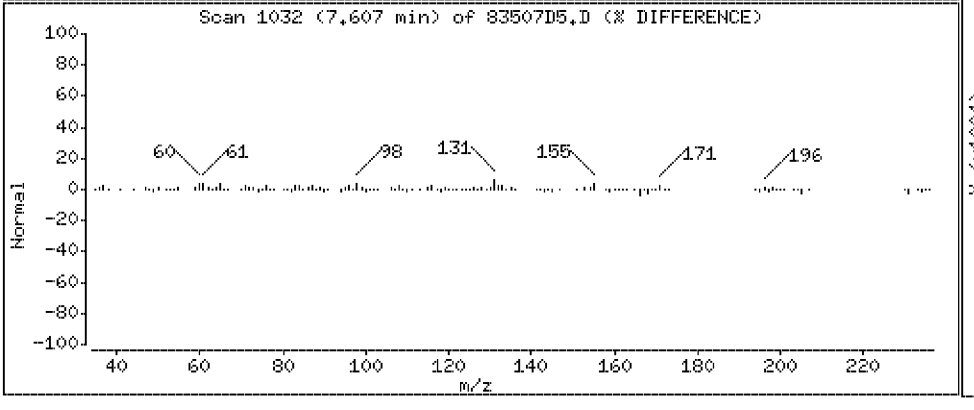
78 2,3,4,6-Tetrachlorophenol

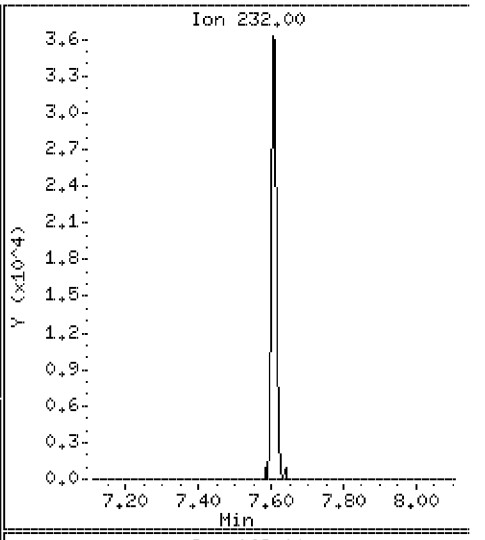
Concentration: 1600 ug/kg

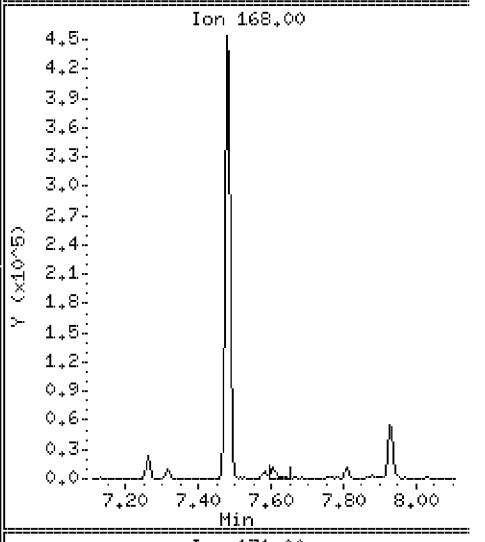


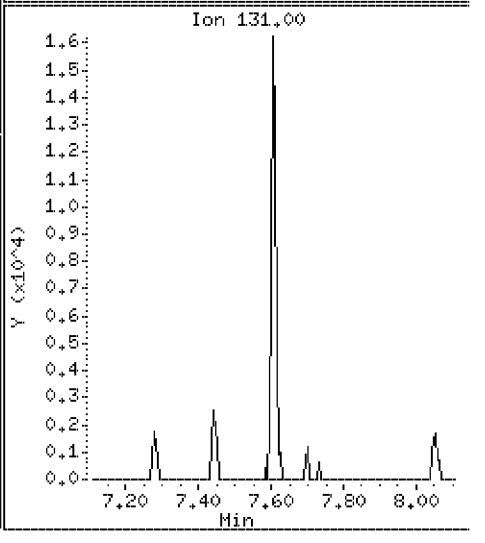












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

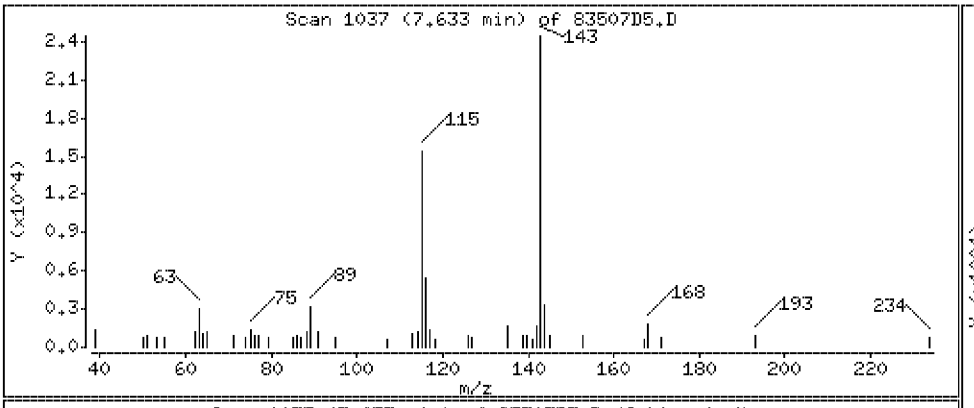
Operator: PEL

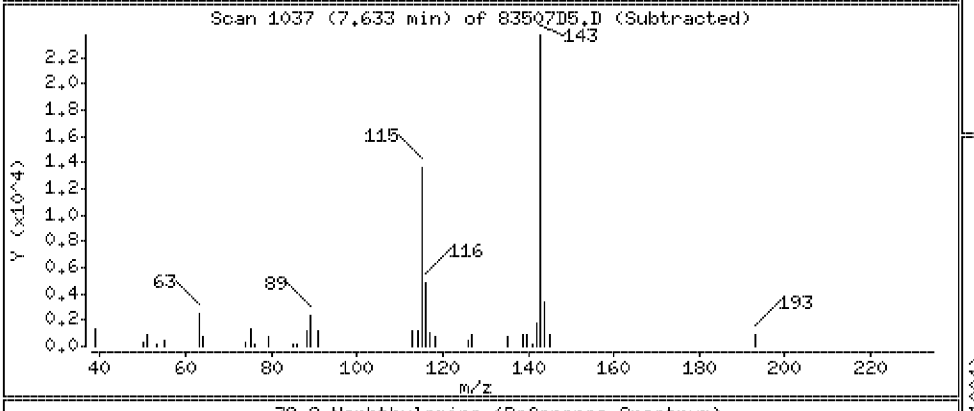
Column phase: HPMS-5

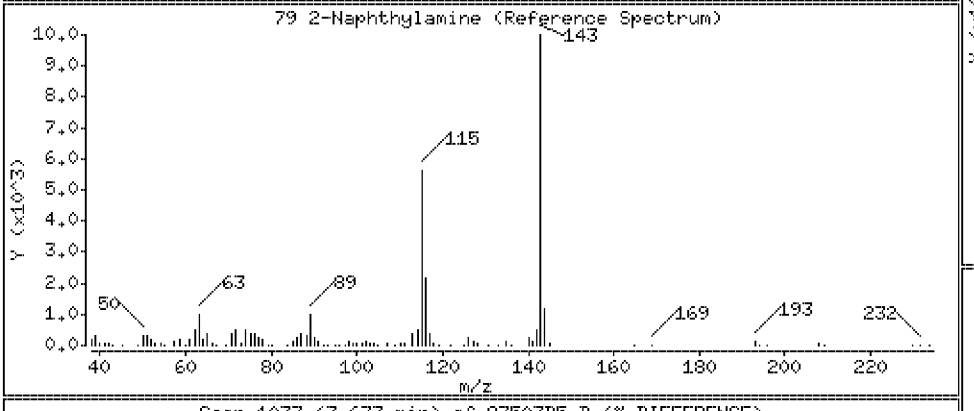
Column diameter: 0.25

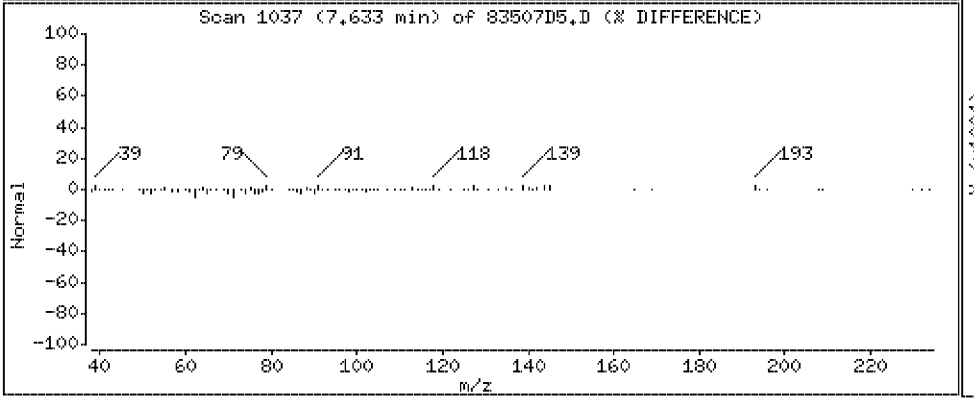
79 2-Naphthylamine

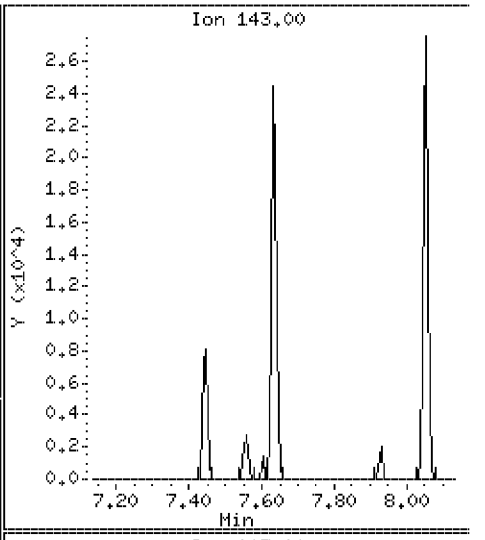
Concentration: 464 ug/kg

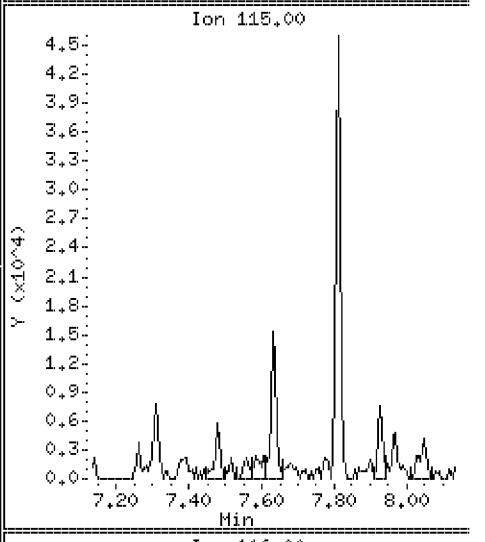


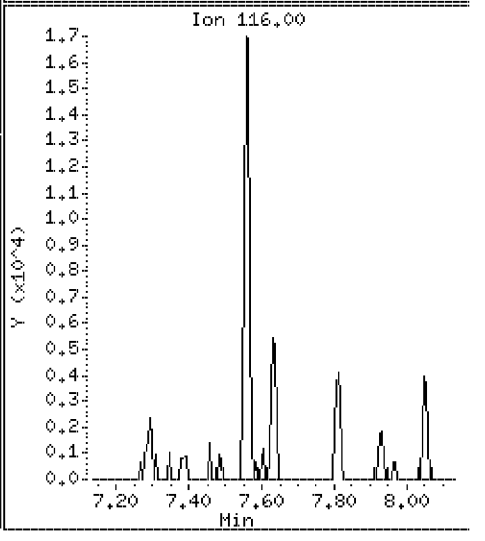












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

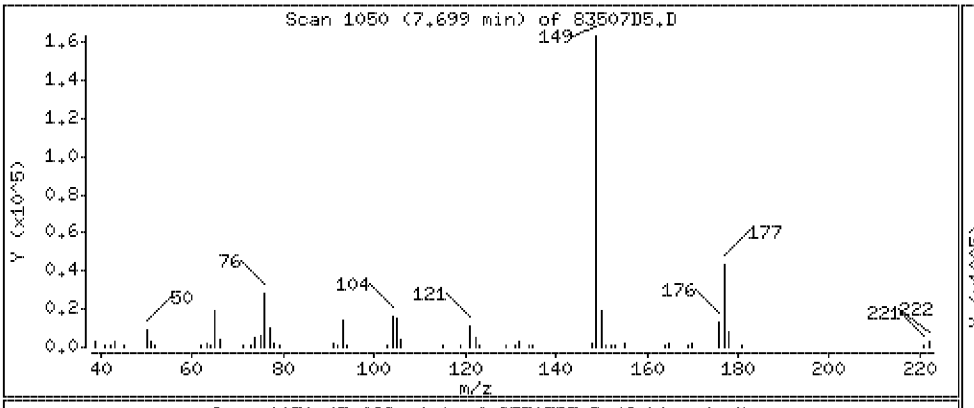
Operator: PEL

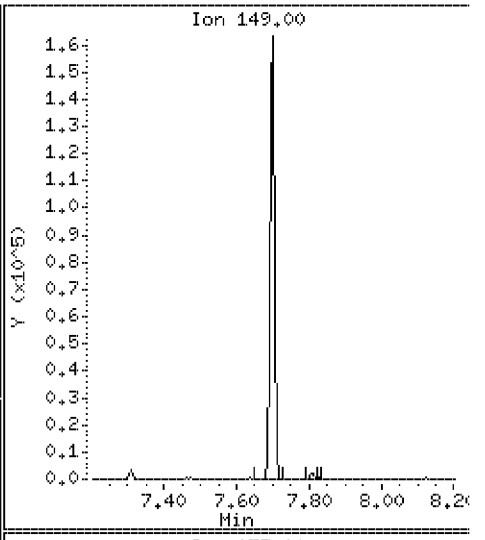
Column phase: HPMS-5

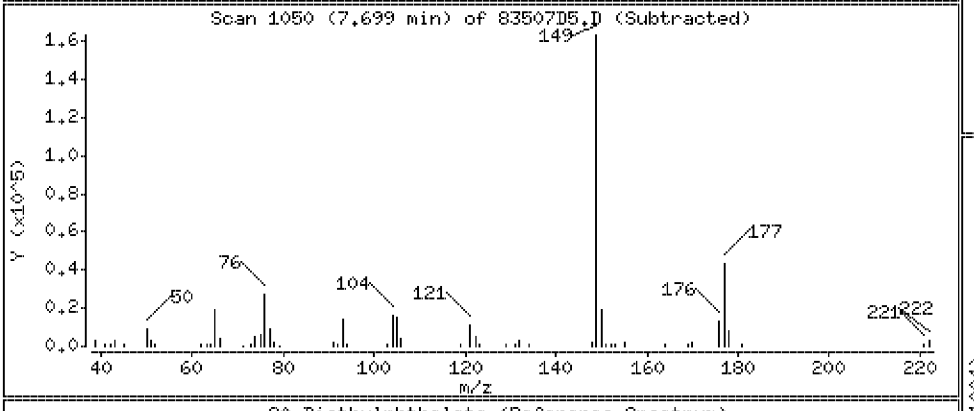
Column diameter: 0.25

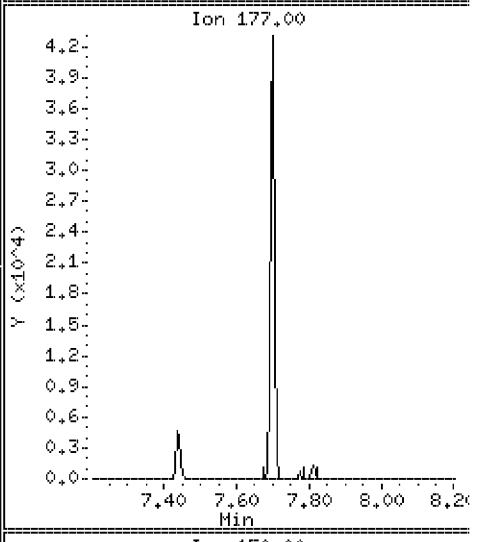
80 Diethylphthalate

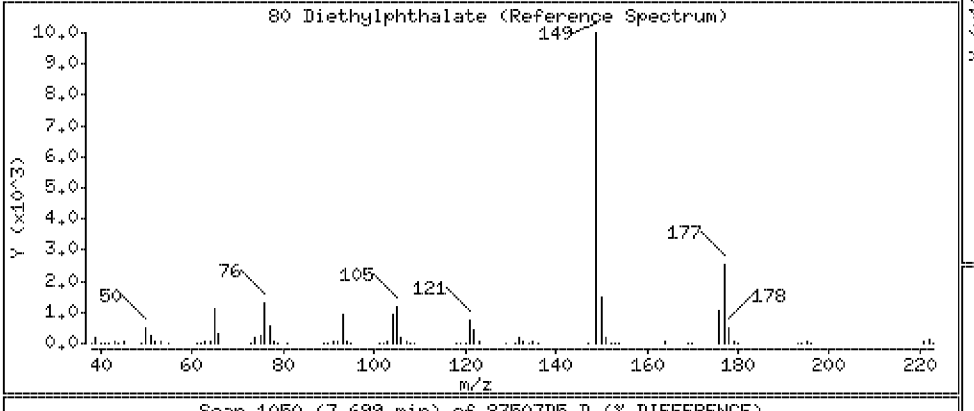
Concentration: 2060 ug/kg

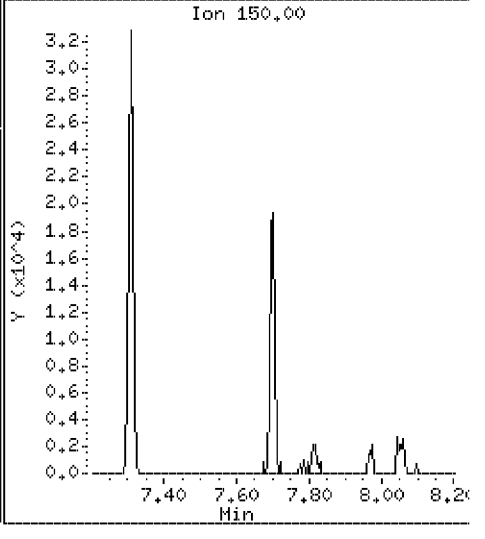


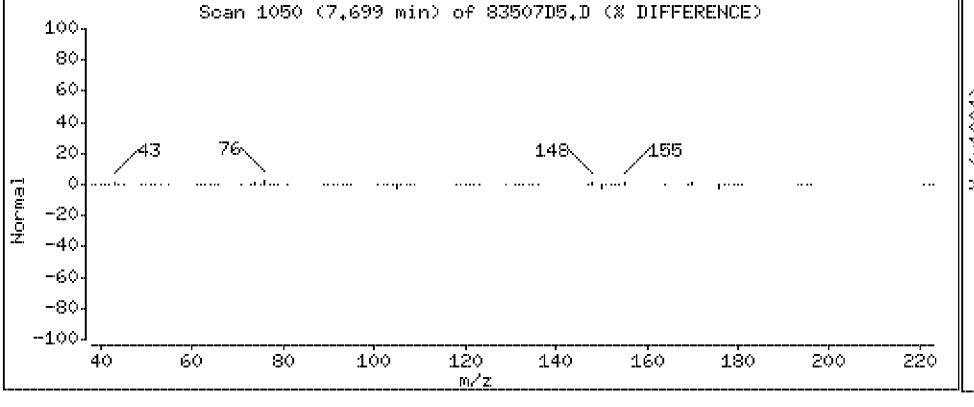












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

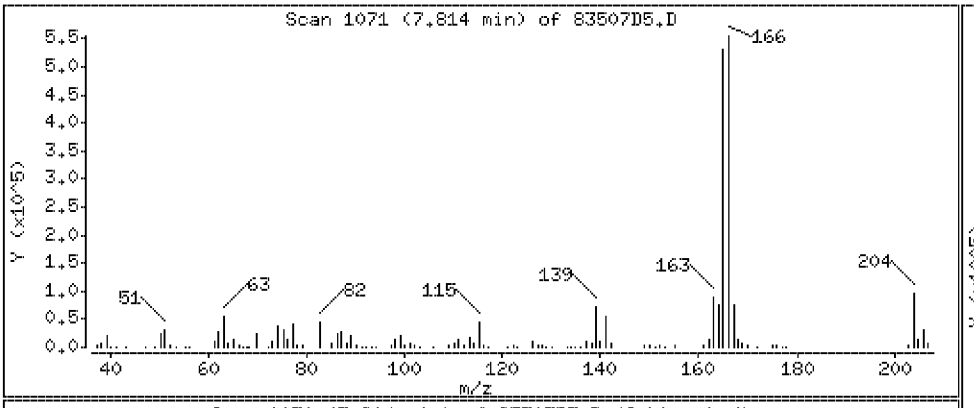
Operator: PEL

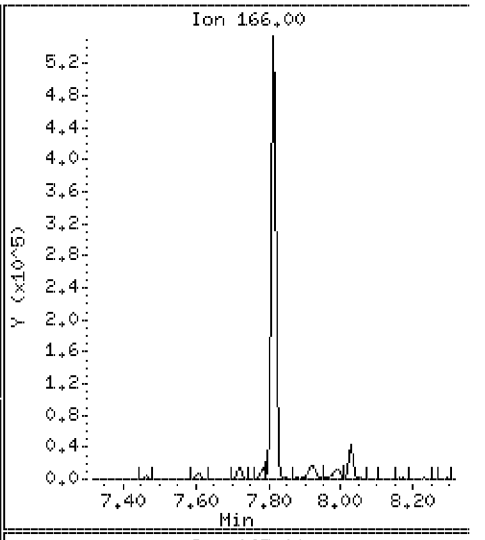
Column phase: HPMS-5

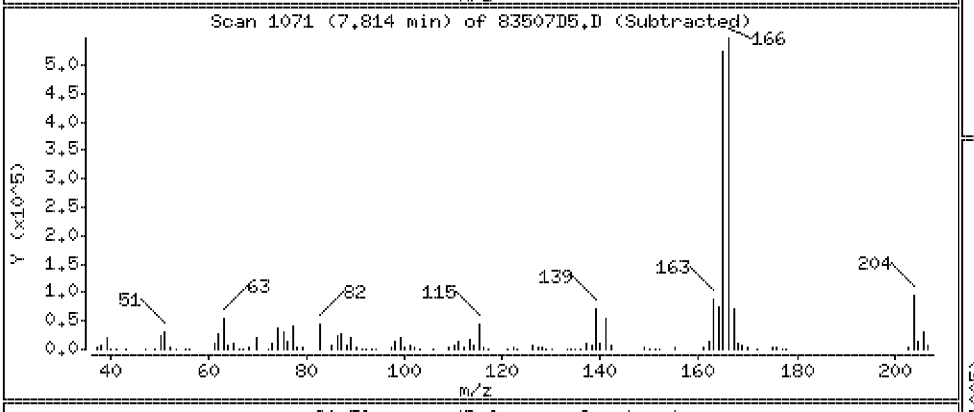
Column diameter: 0.25

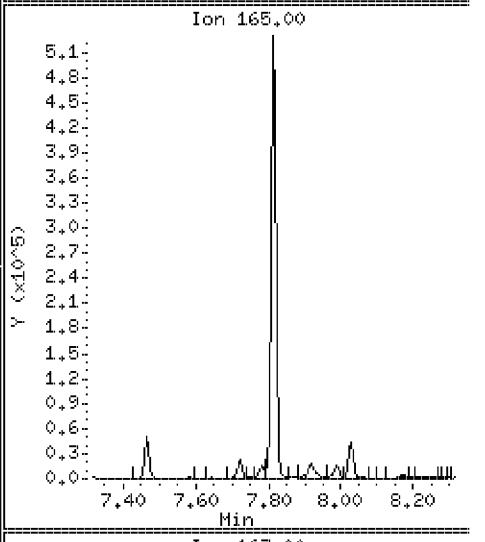
81 Fluorene

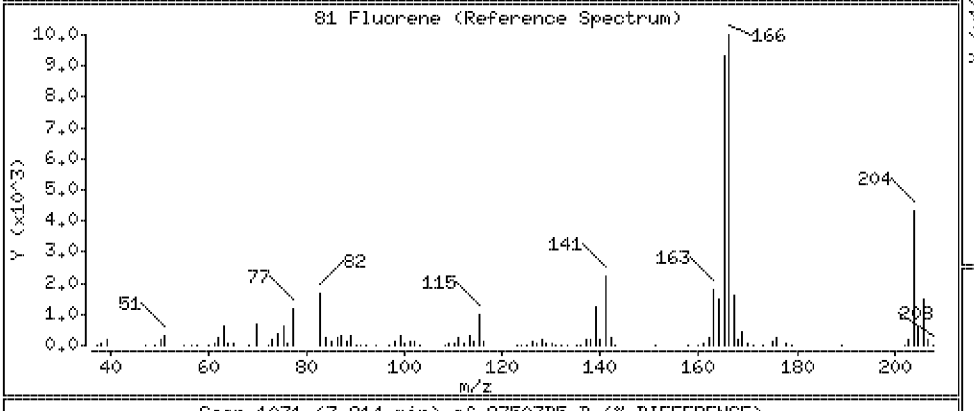
Concentration: 6330 ug/kg

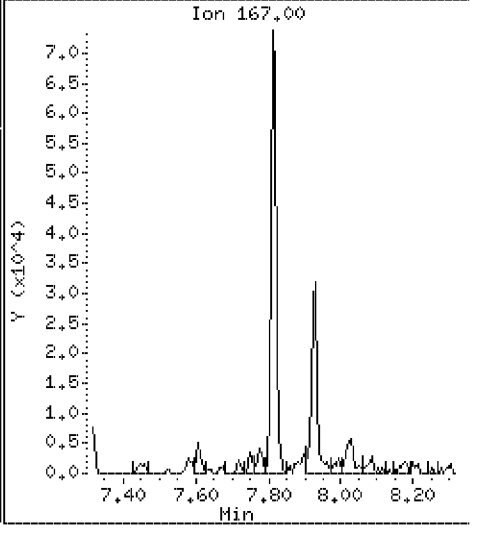


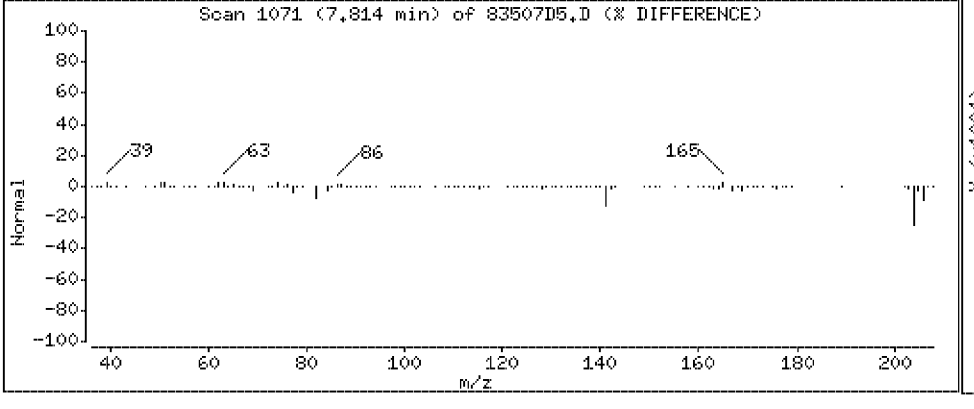












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

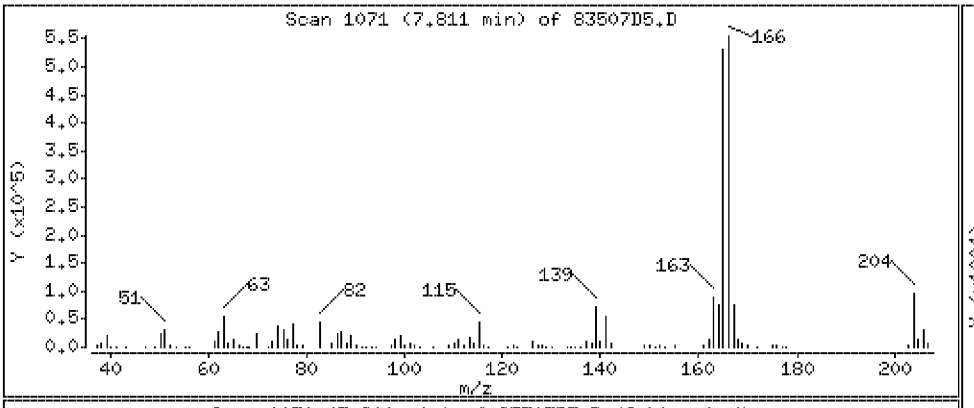
Operator: PEL

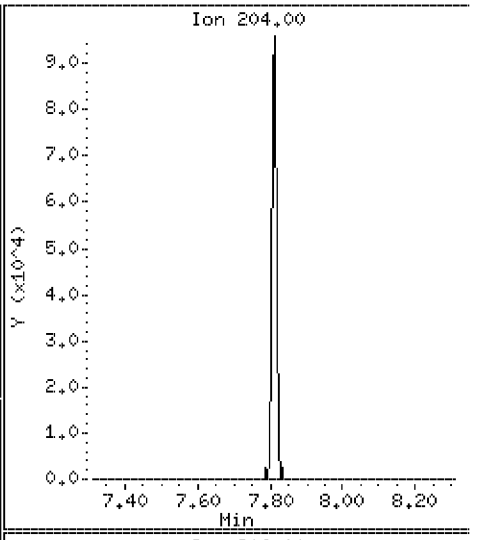
Column phase: HPMS-5

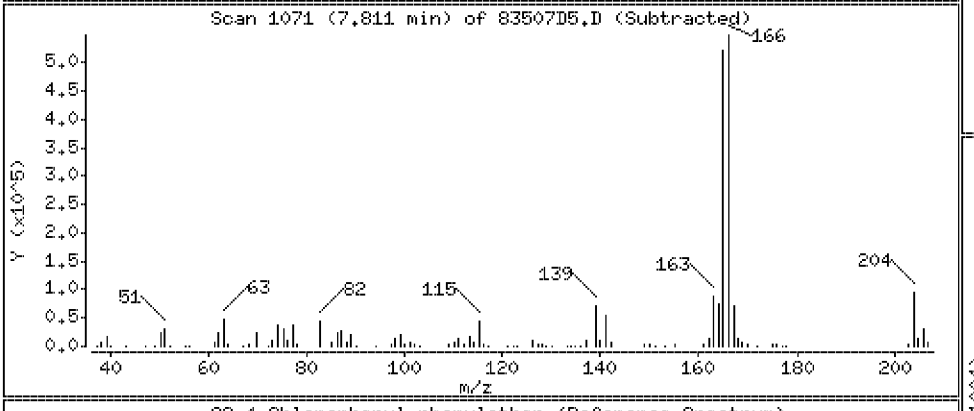
Column diameter: 0.25

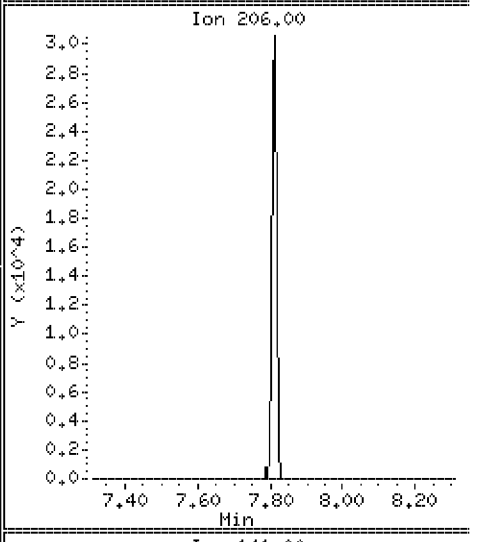
82 4-Chlorophenyl-phenylether

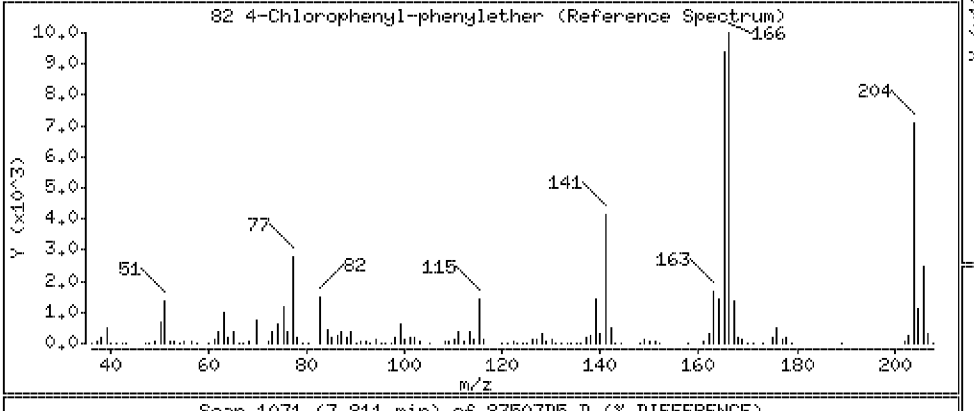
Concentration: 1760 ug/kg

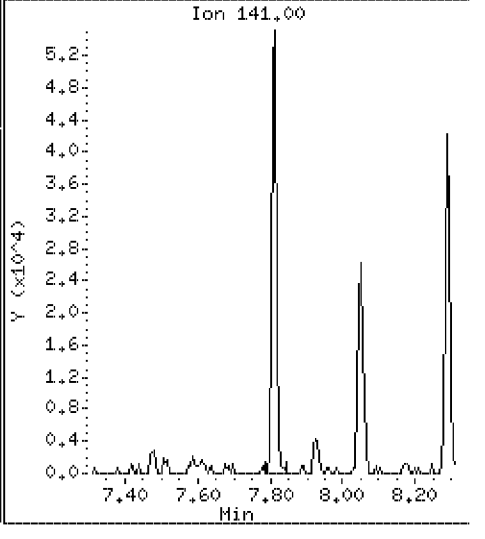


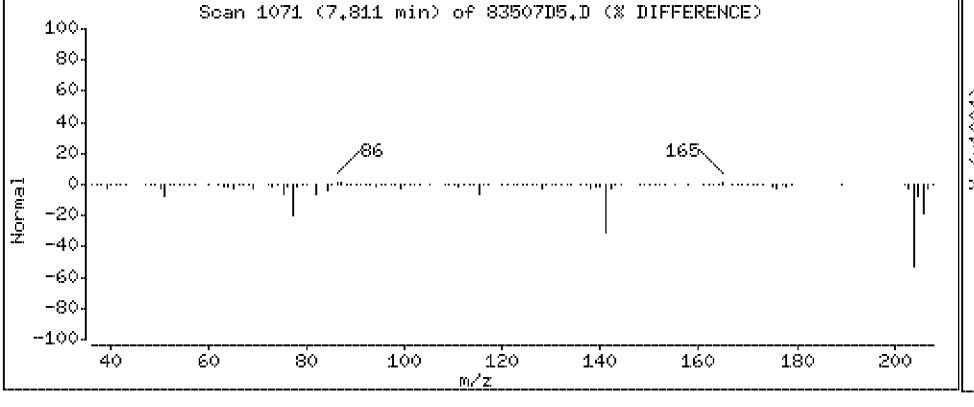












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

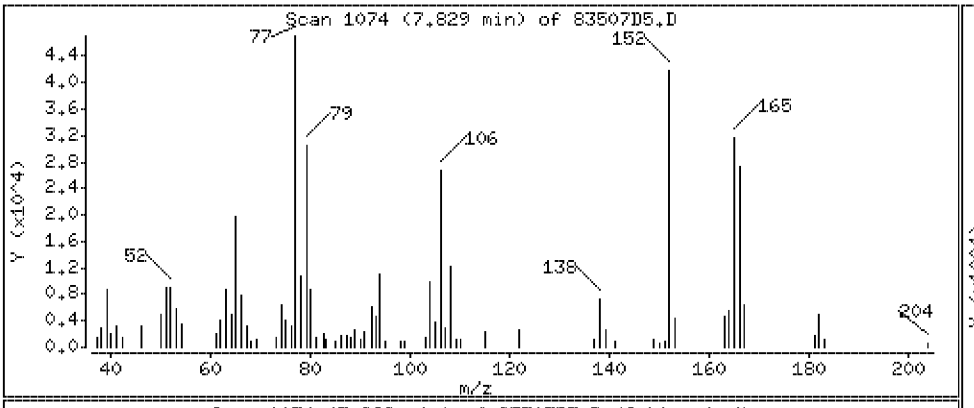
Operator: PEL

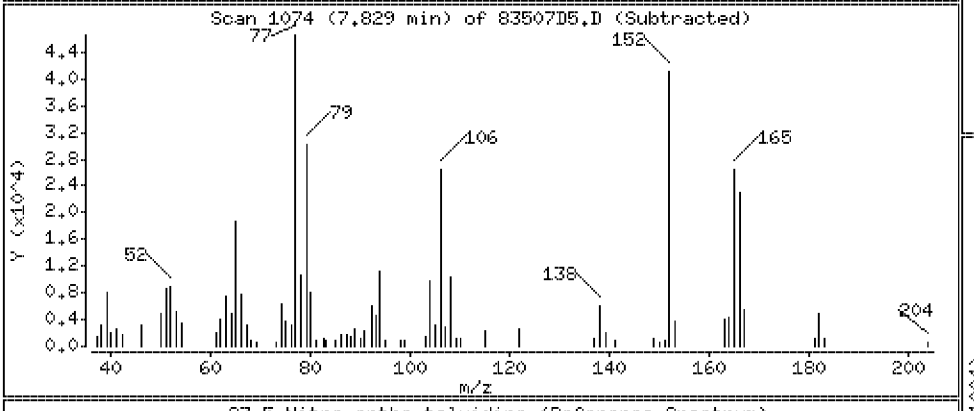
Column phase: HPMS-5

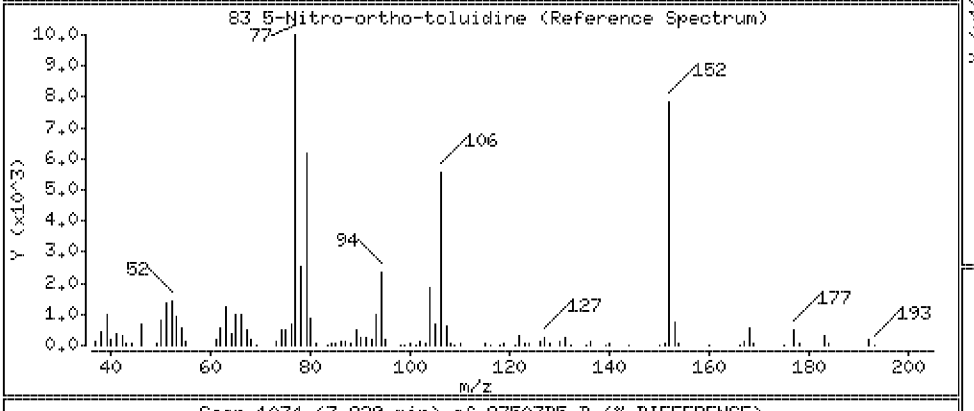
Column diameter: 0.25

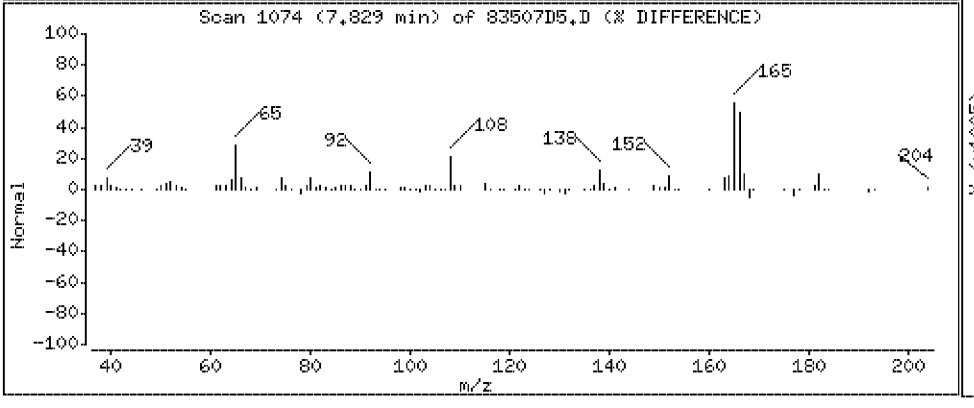
83 5-Nitro-ortho-toluidine

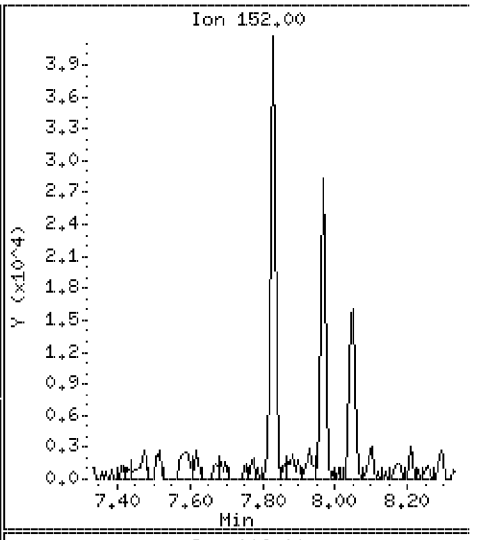
Concentration: 2070 ug/kg

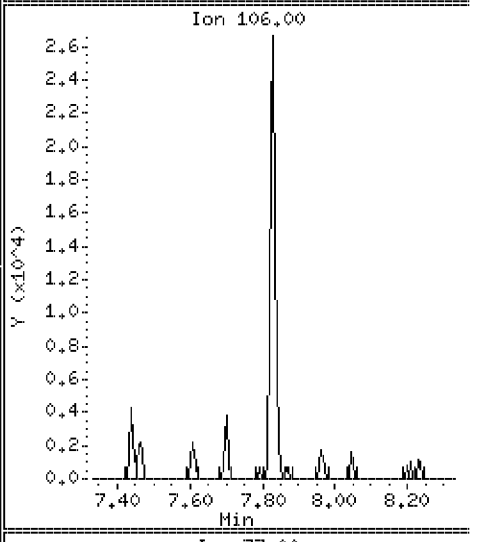


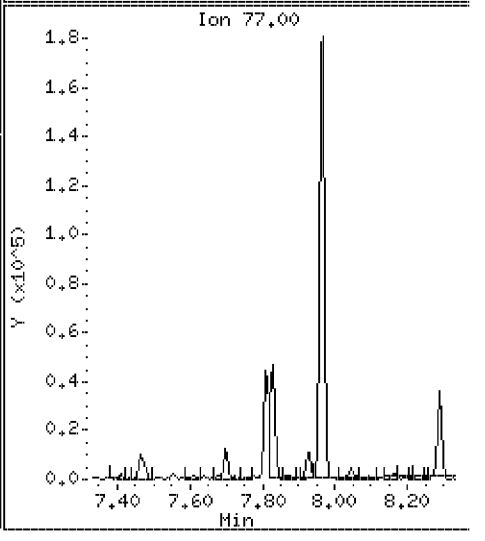












Date : 26-APR-2012 19:10

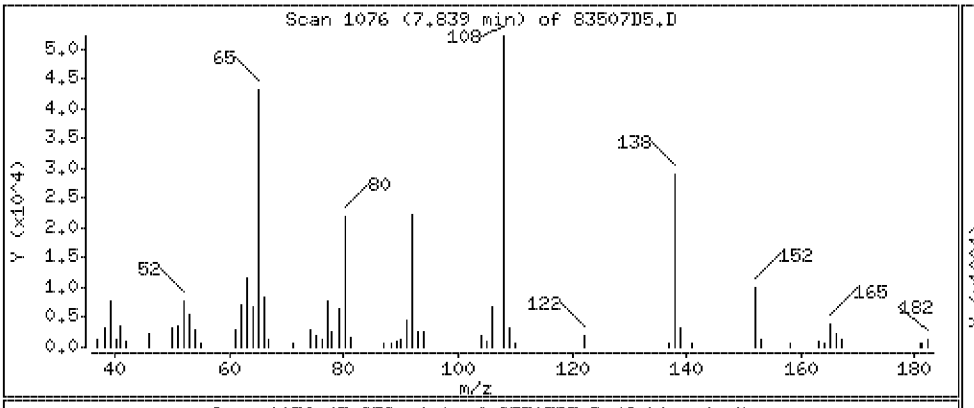
Client ID: EPAFMC-SD-01MS Instrument: smsd03.i

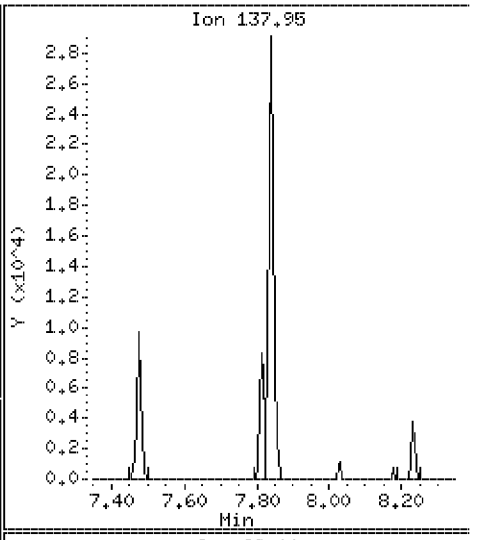
Sample Info: sw350583507

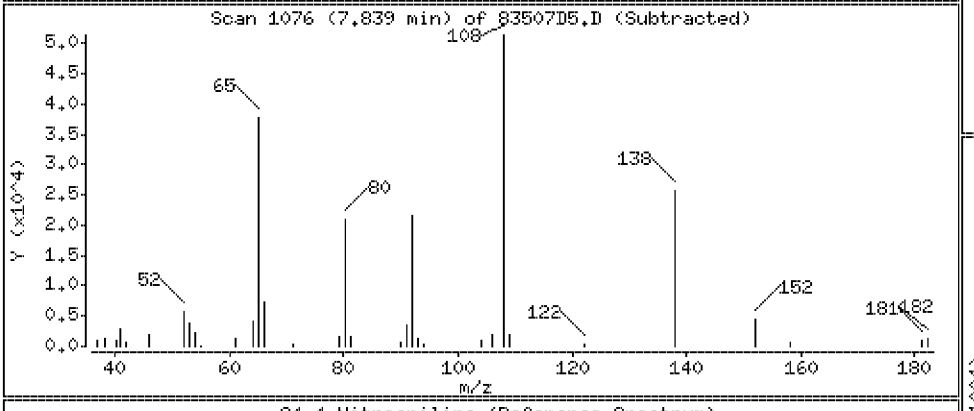
Operator: PEL

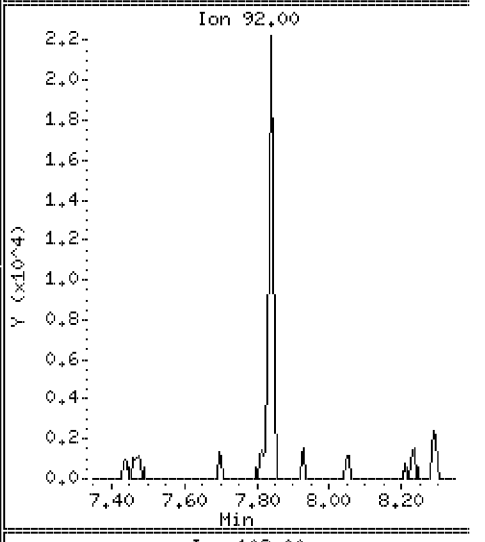
Column phase: HPMS-5 Column diameter: 0.25

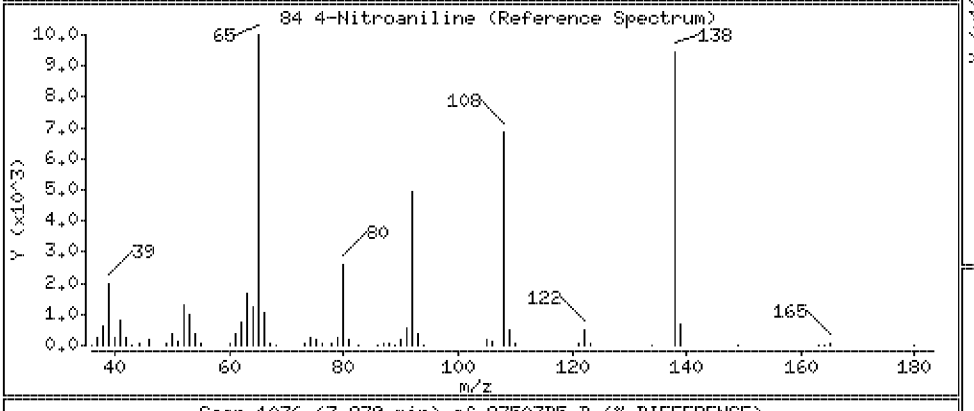
84 4-Nitroaniline Concentration: 2260 ug/kg

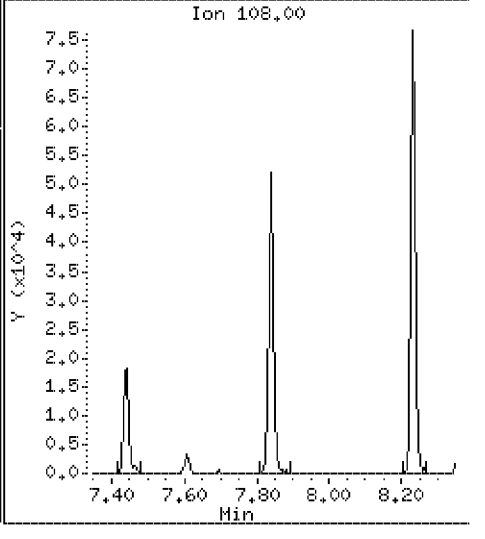


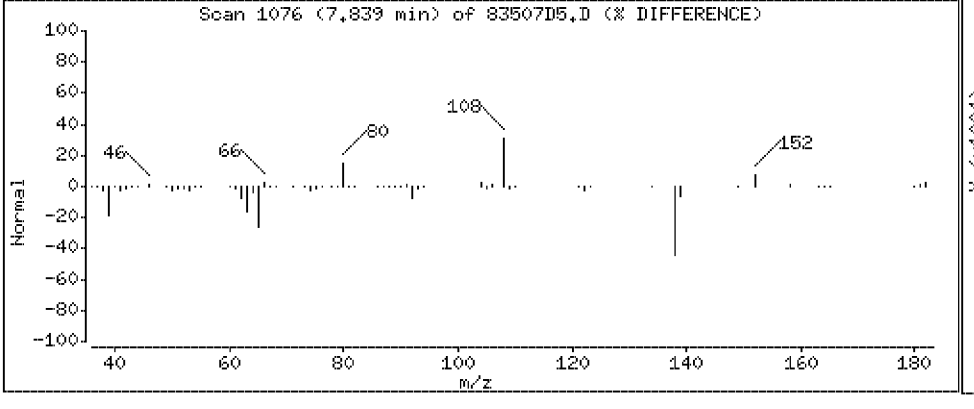












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

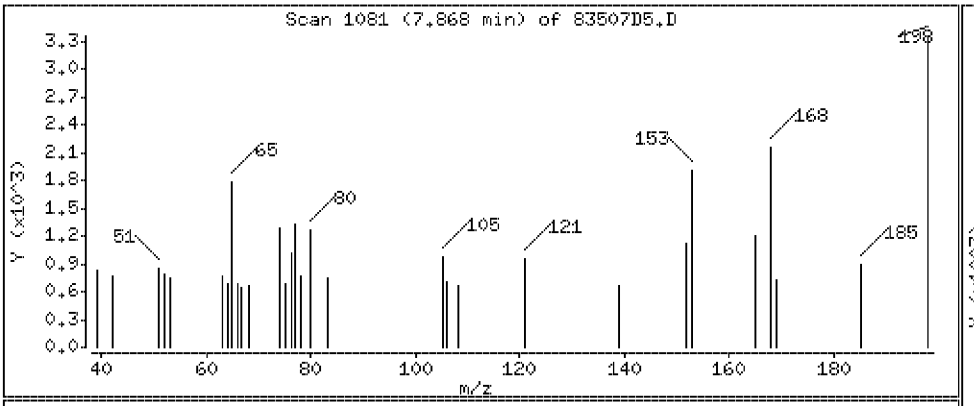
Operator: PEL

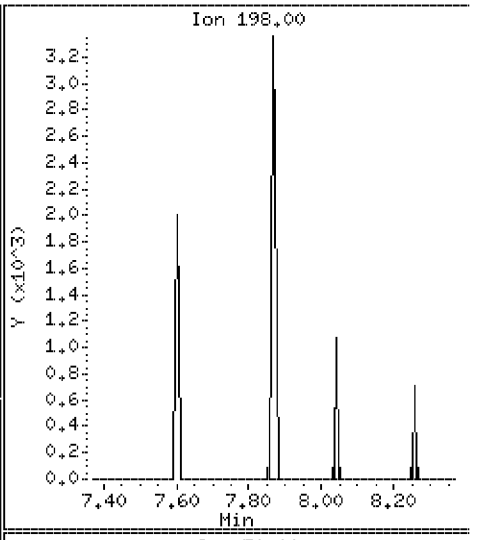
Column phase: HPMS-5

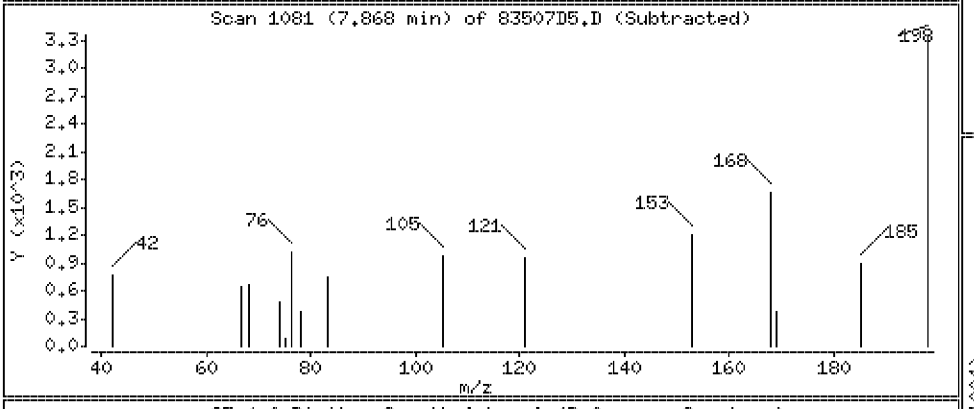
Column diameter: 0.25

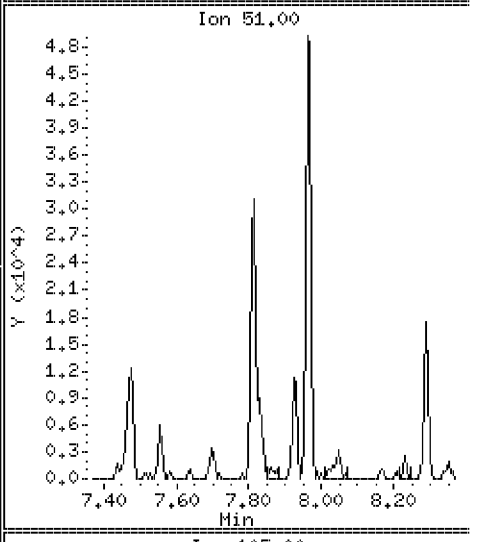
85 4,6-Dinitro-2-methylphenol

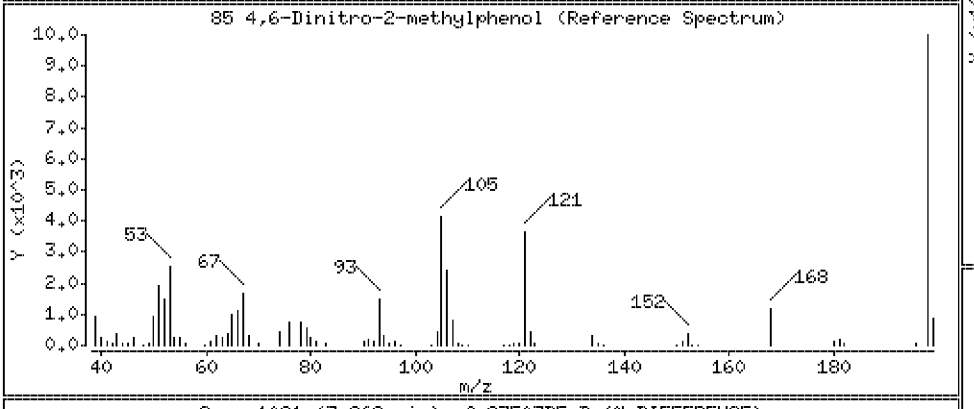
Concentration: 1270 ug/kg

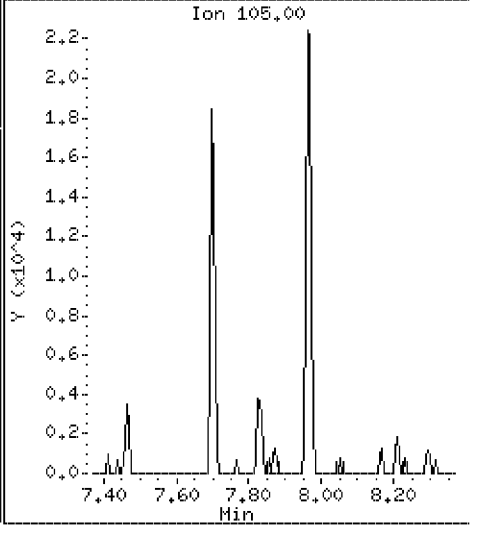


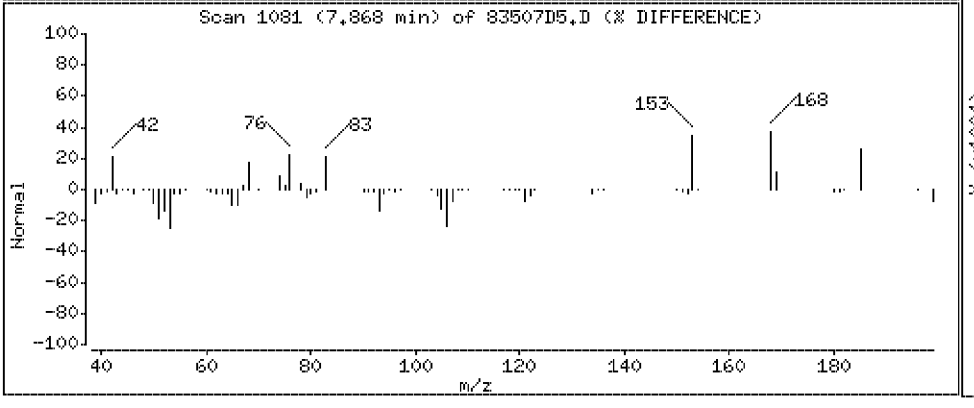












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

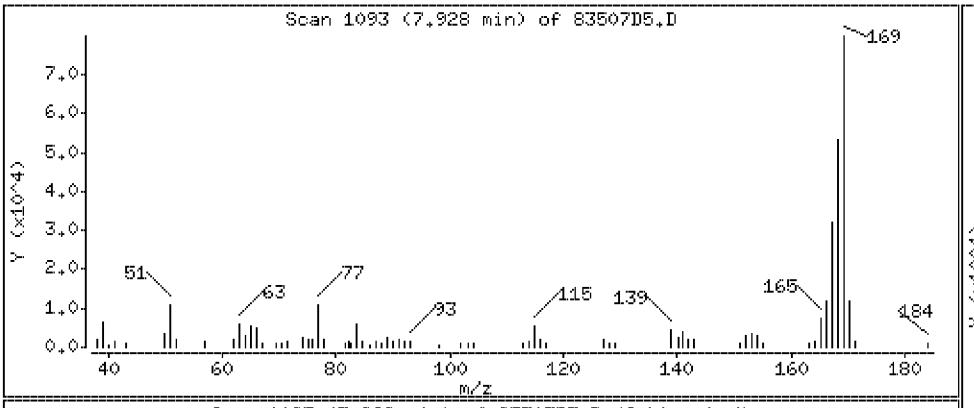
Operator: PEL

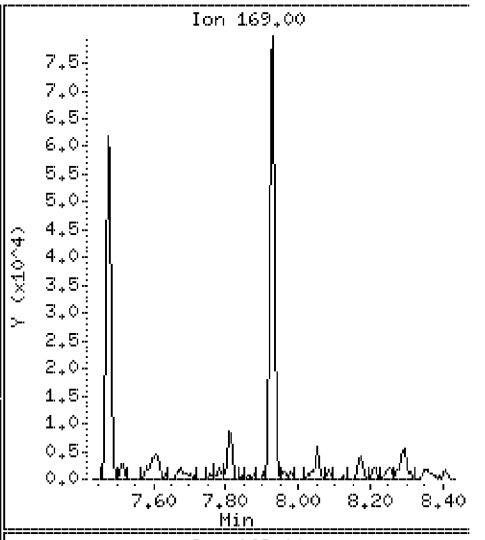
Column phase: HPMS-5

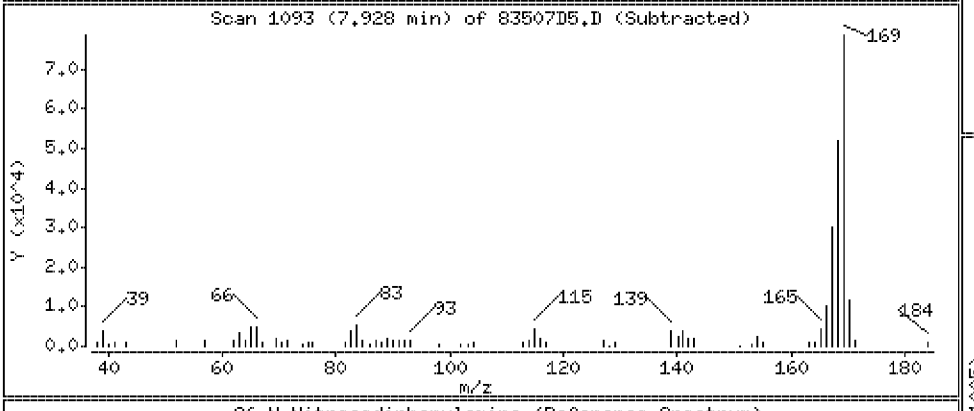
Column diameter: 0.25

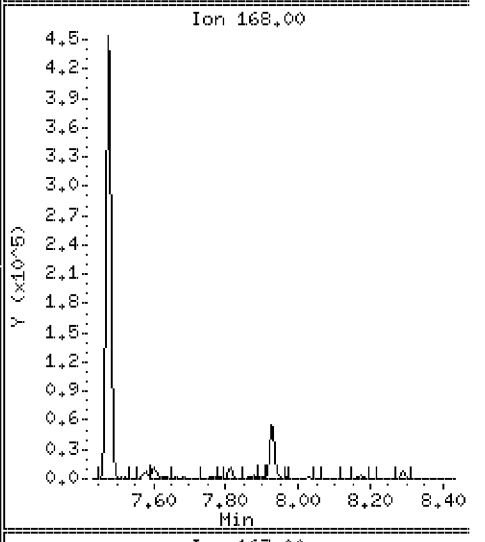
86 N-Nitrosodiphenylamine

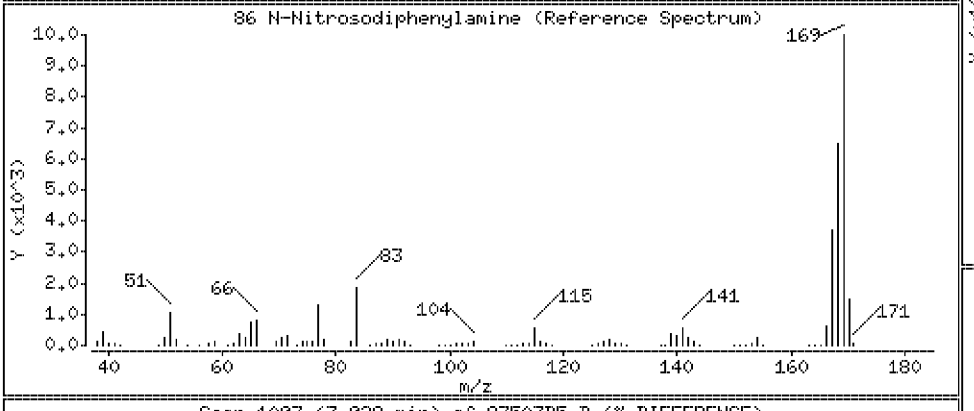
Concentration: 1410 ug/kg

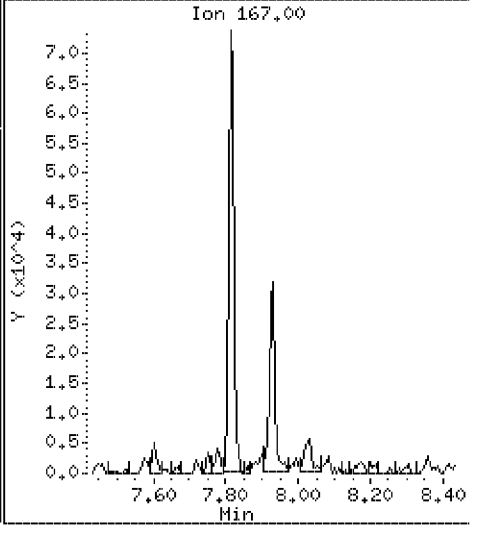


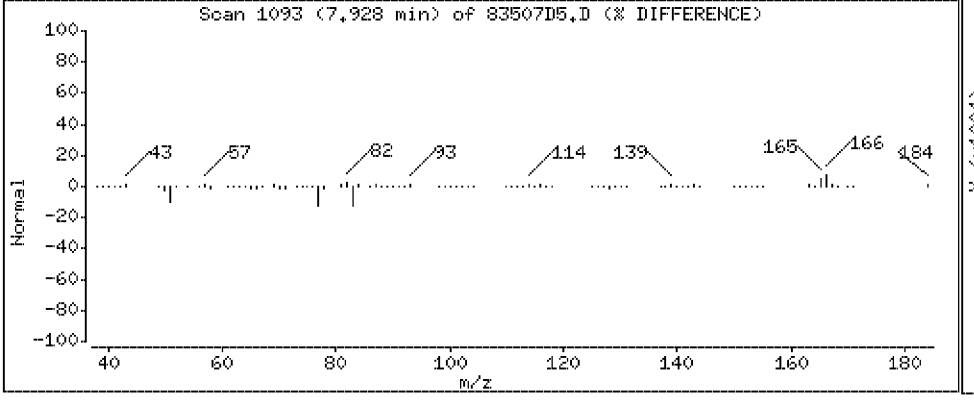












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

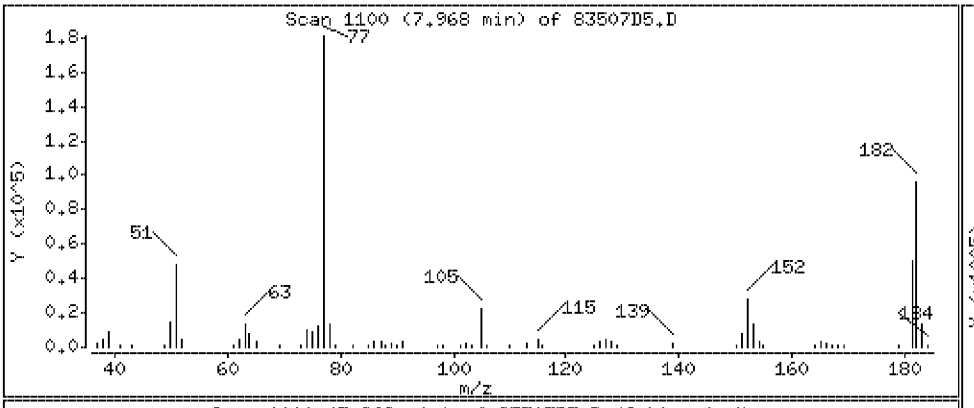
Operator: PEL

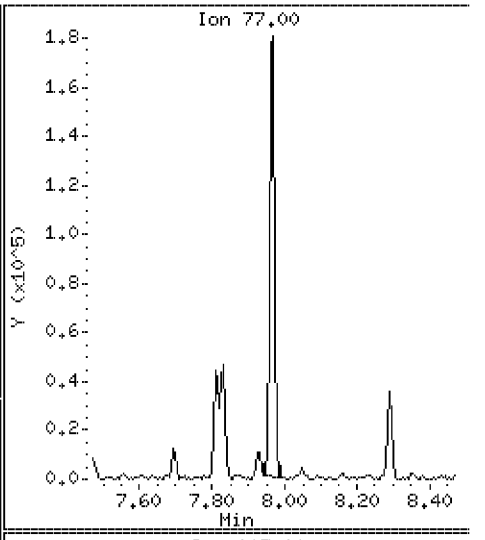
Column phase: HPMS-5

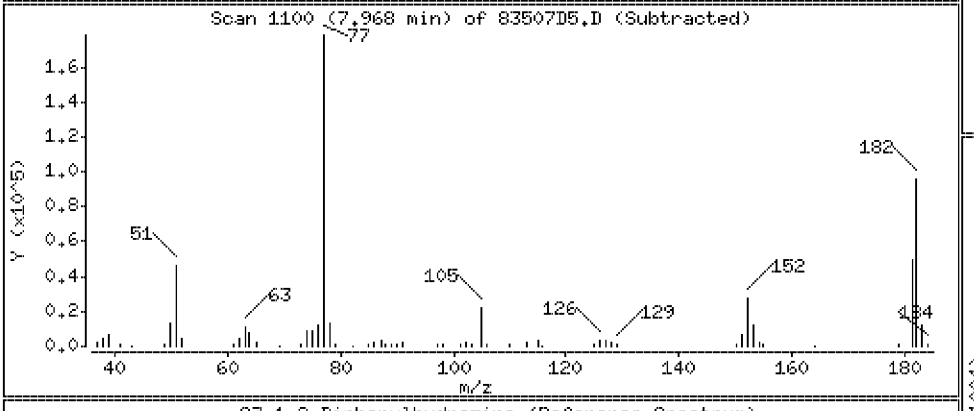
Column diameter: 0.25

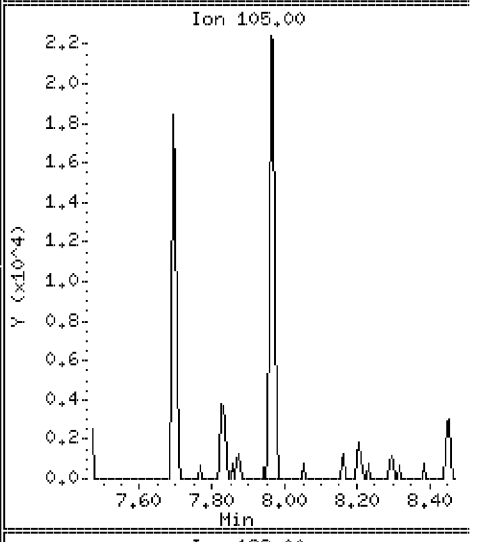
87 1,2-Diphenylhydrazine

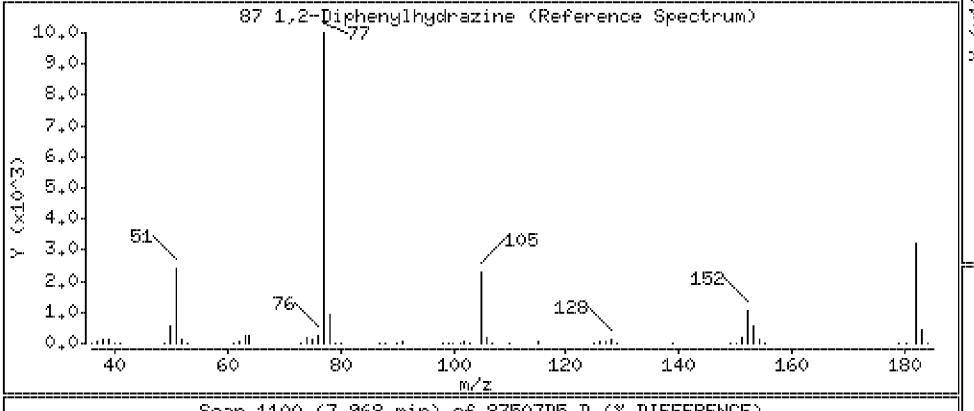
Concentration: 2110 ug/kg

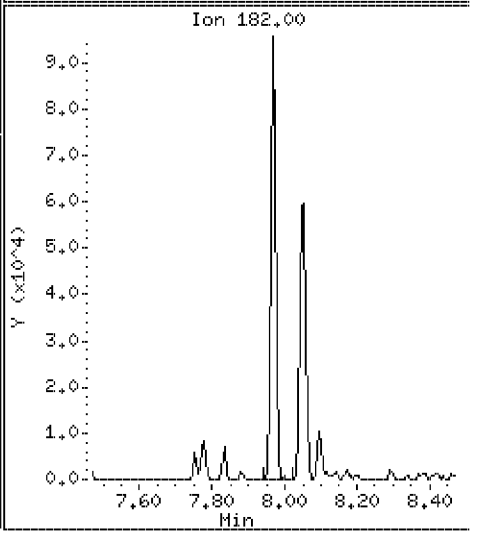


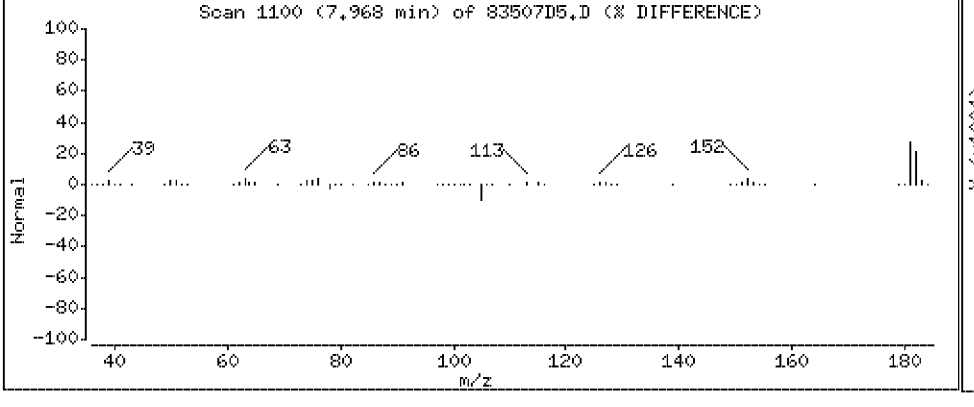












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

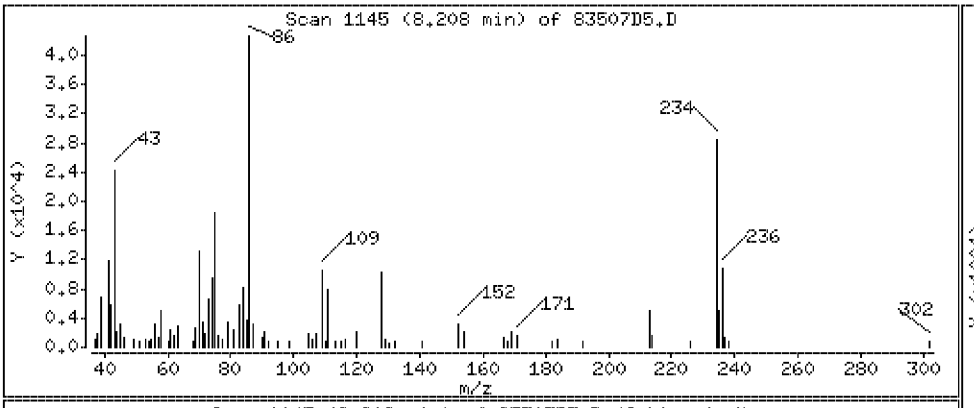
Operator: PEL

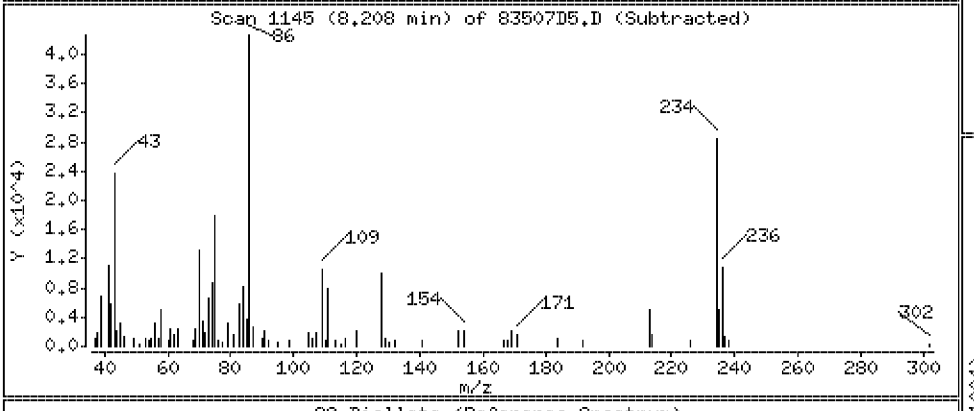
Column phase: HPMS-5

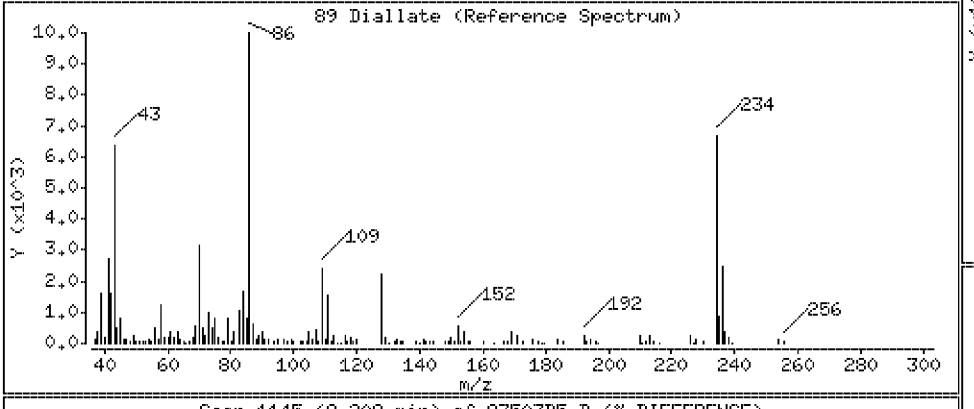
Column diameter: 0.25

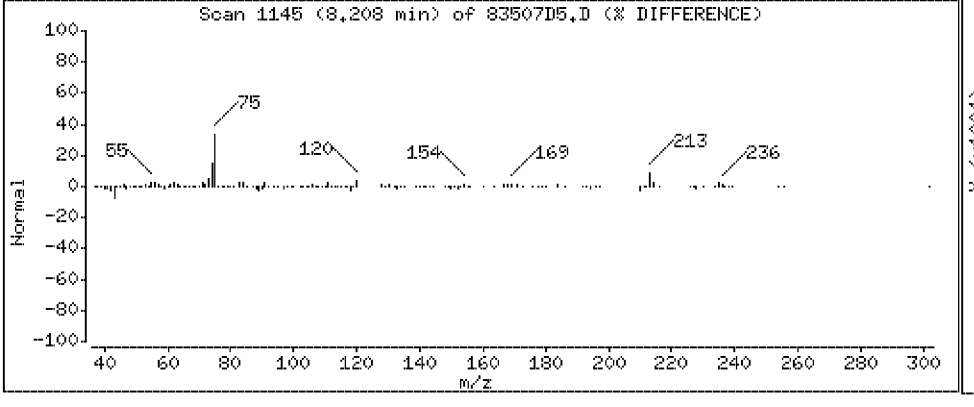
89 Diallate

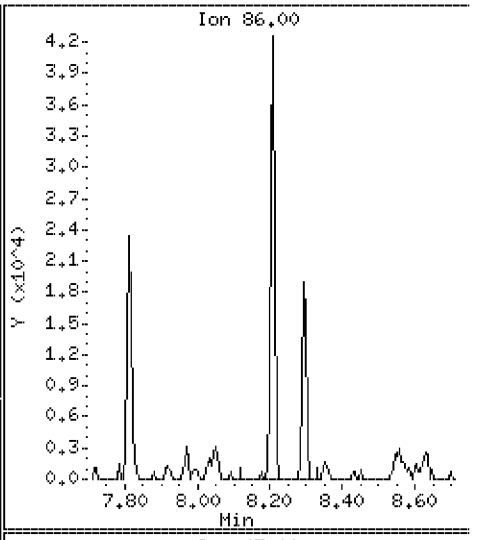
Concentration: 1830 ug/kg

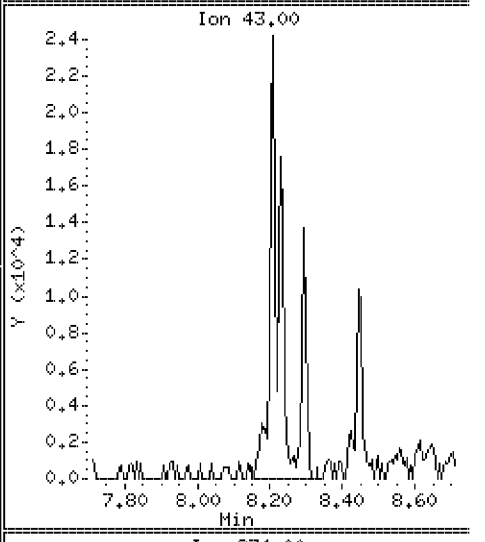


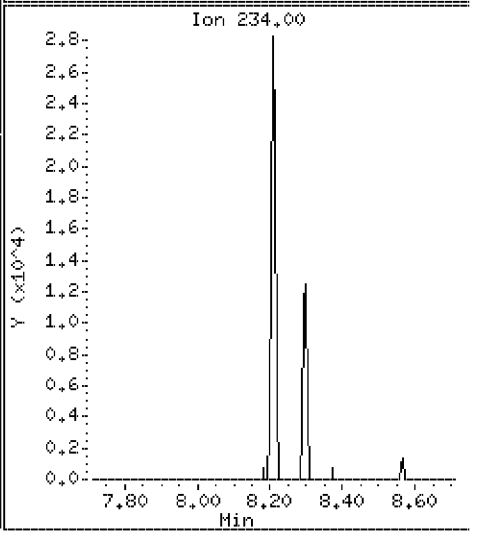












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

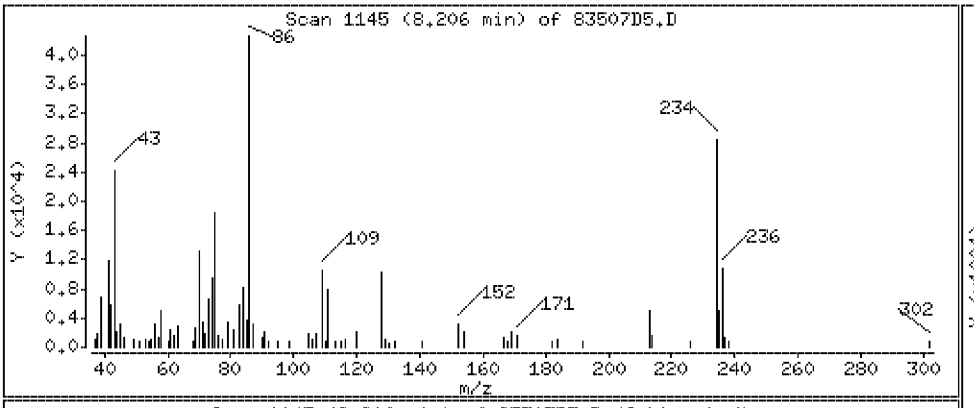
Operator: PEL

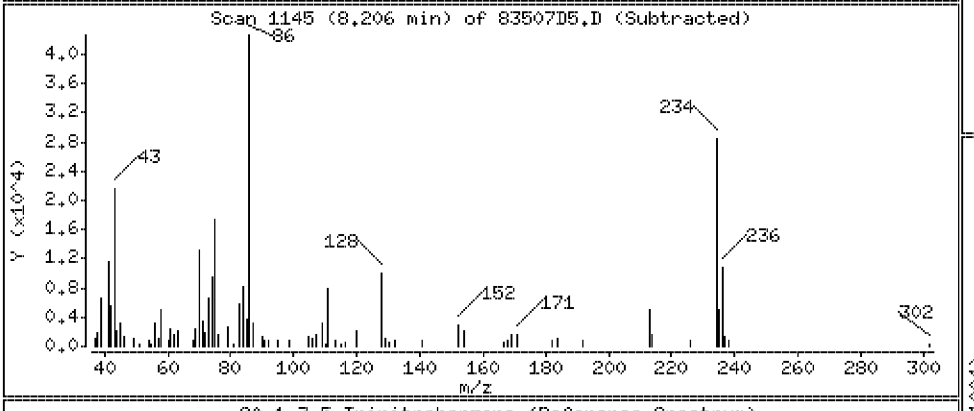
Column phase: HPMS-5

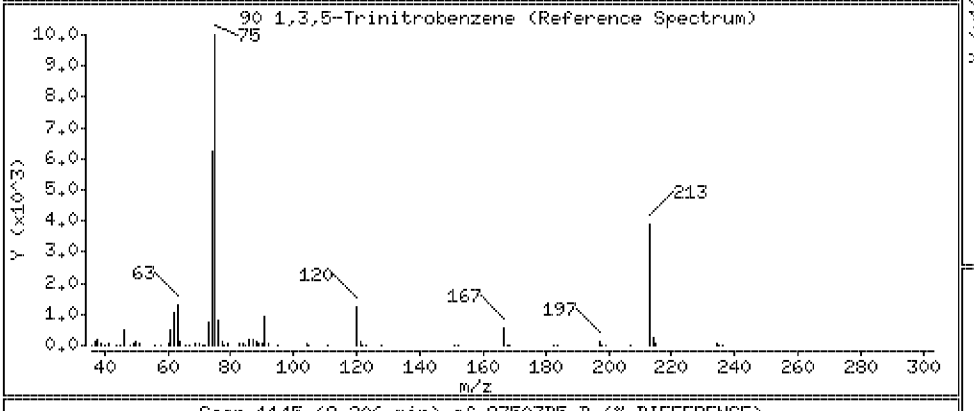
Column diameter: 0.25

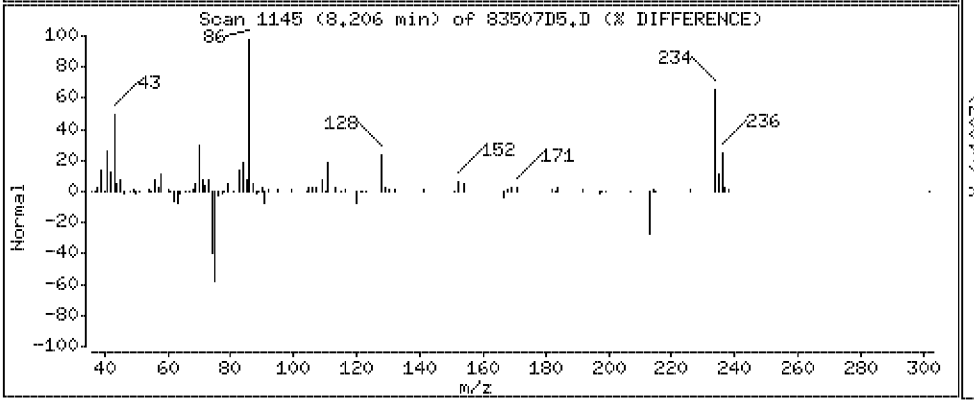
90 1,3,5-Trinitrobenzene

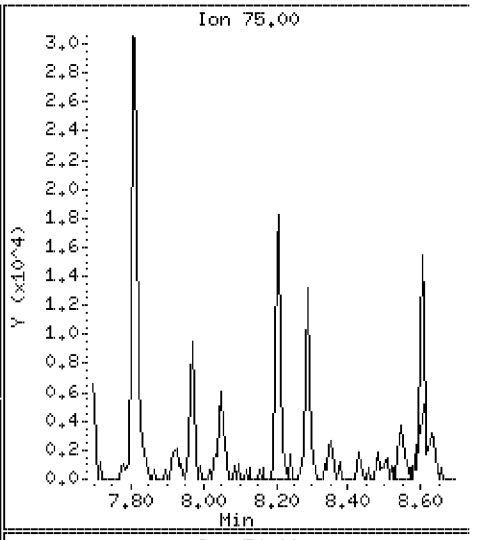
Concentration: 1310 ug/kg

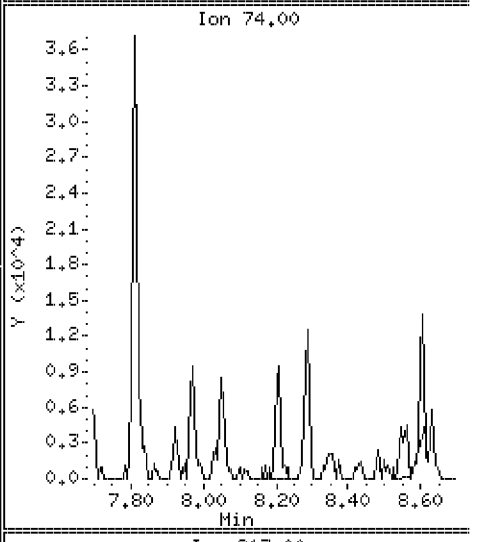


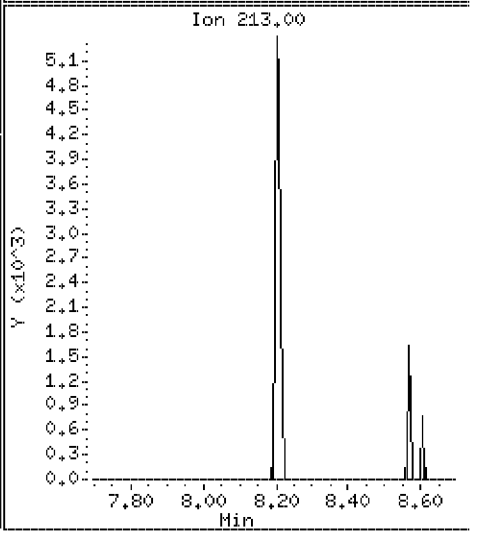












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

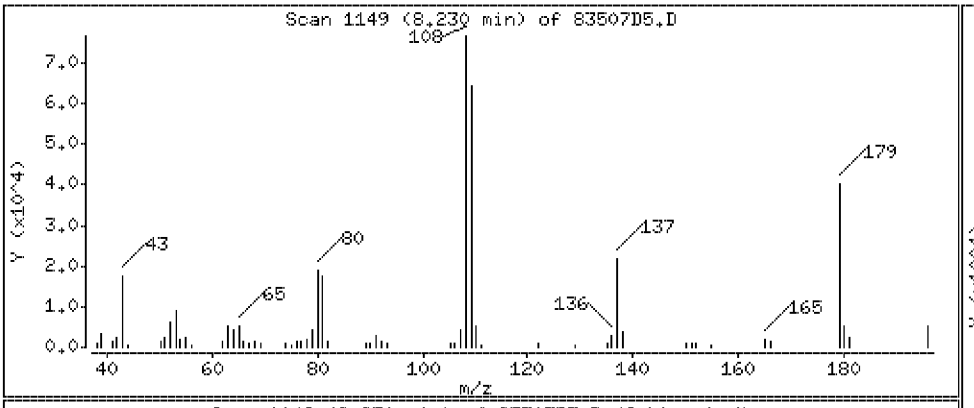
Operator: PEL

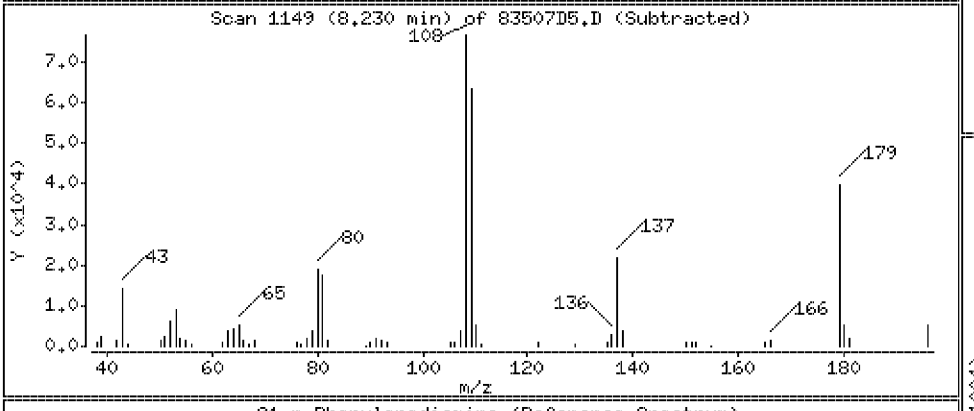
Column phase: HPMS-5

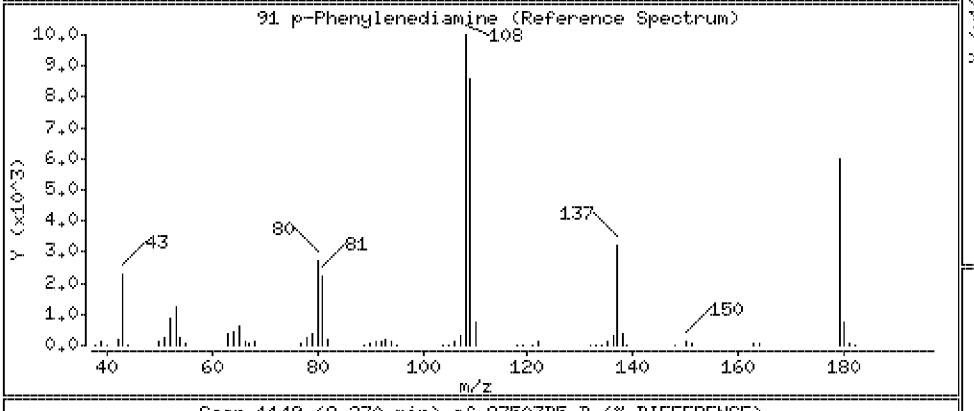
Column diameter: 0.25

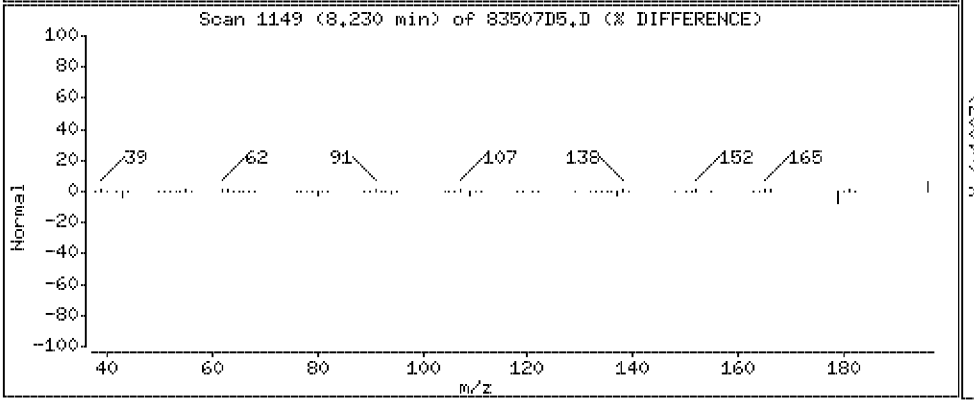
91 p-Phenylenediamine

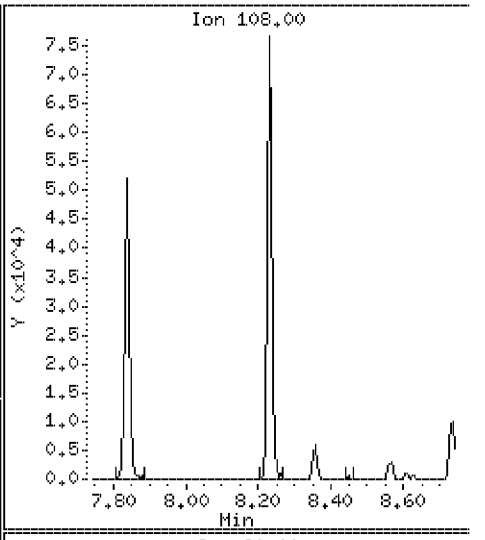
Concentration: 2080 ug/kg

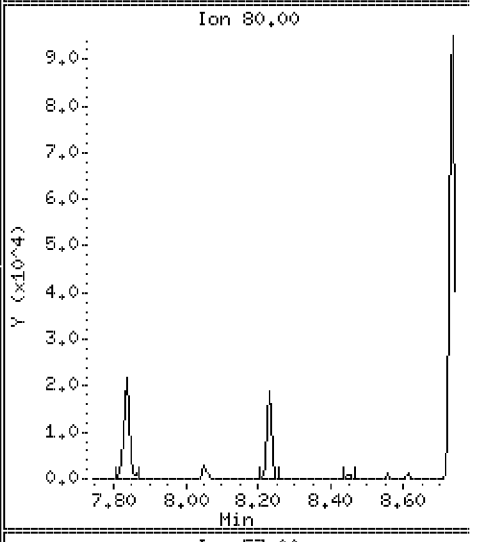


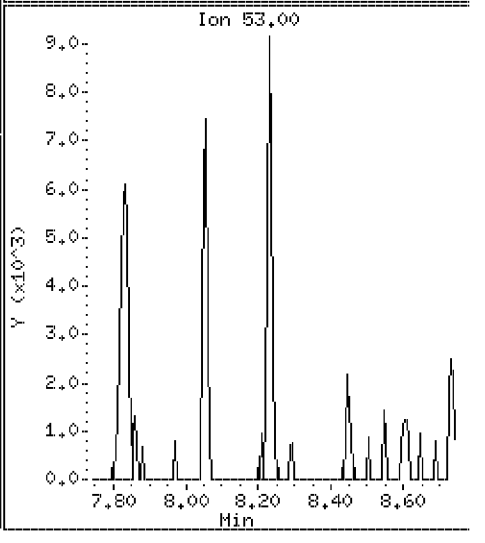












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

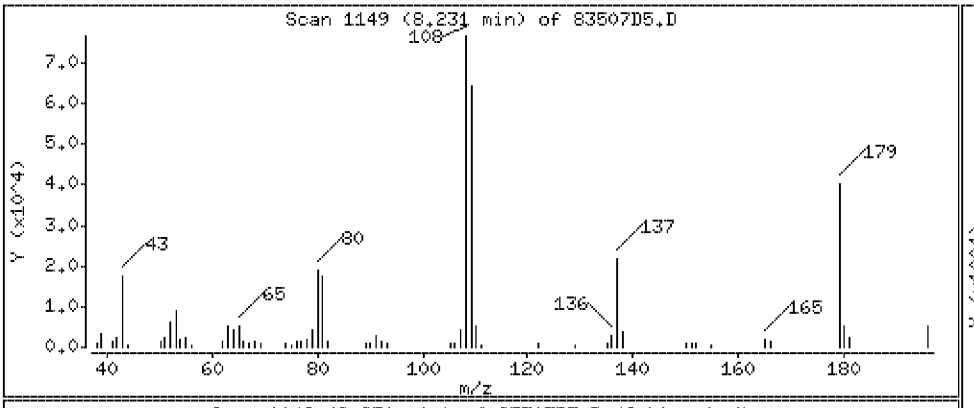
Operator: PEL

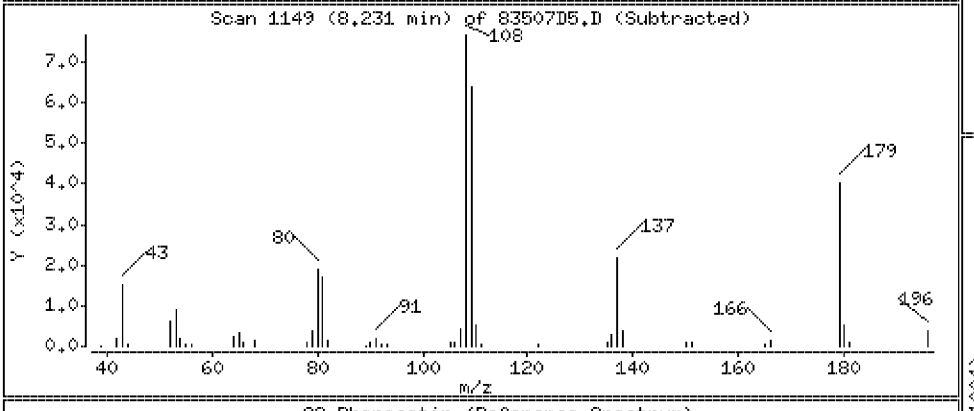
Column phase: HPMS-5

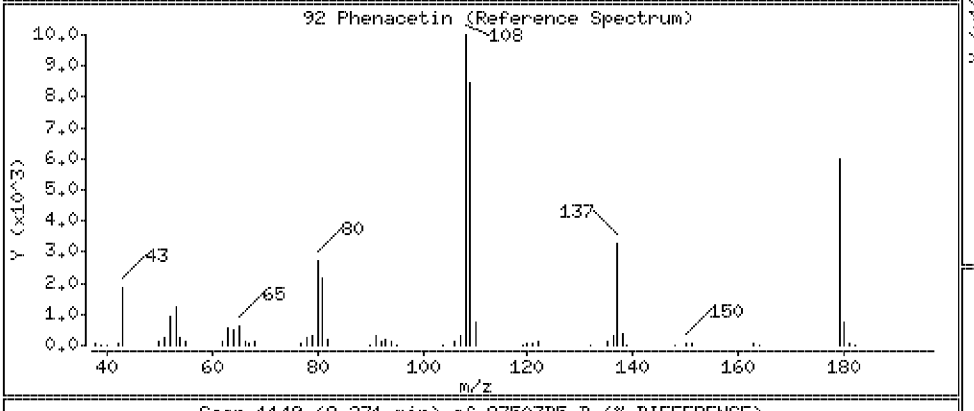
Column diameter: 0.25

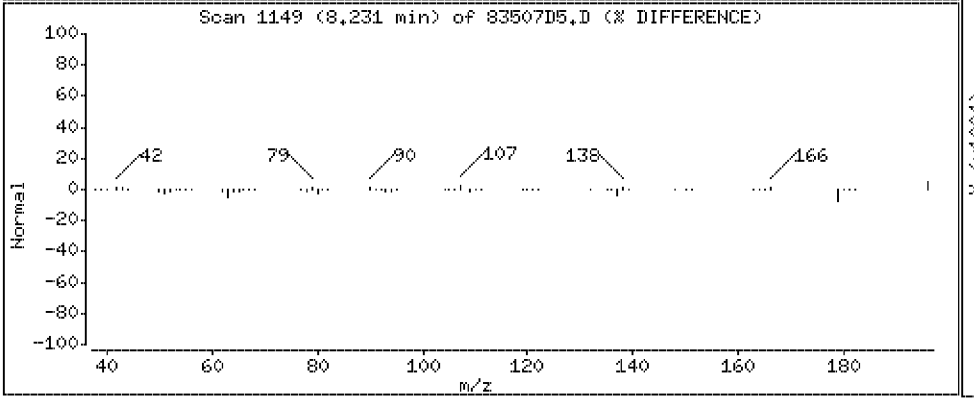
92 Phenacetin

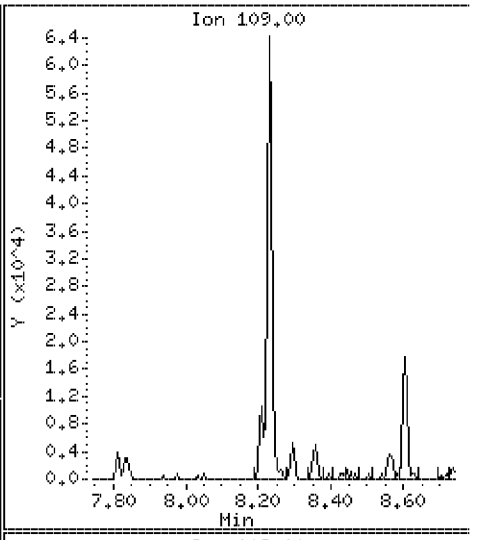
Concentration: 2270 ug/kg

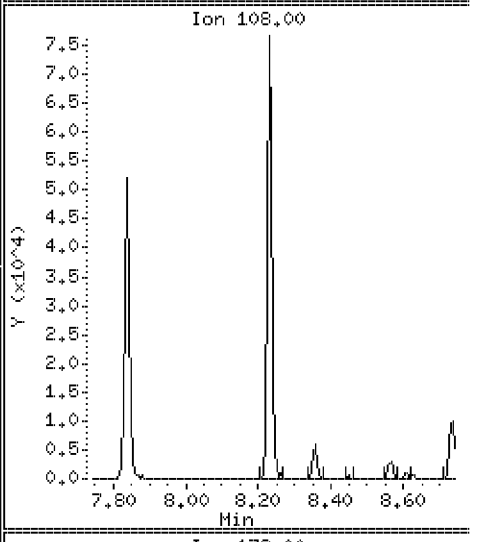


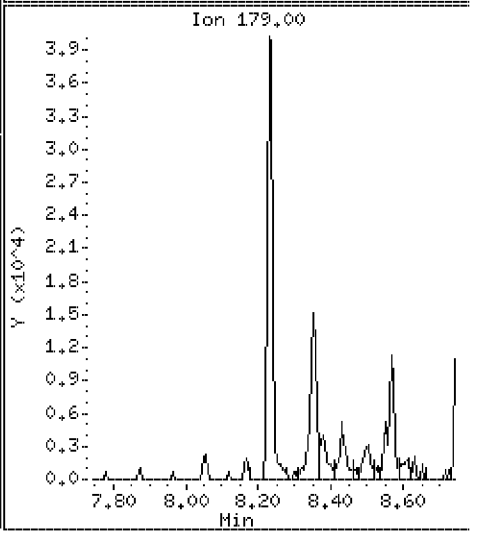












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

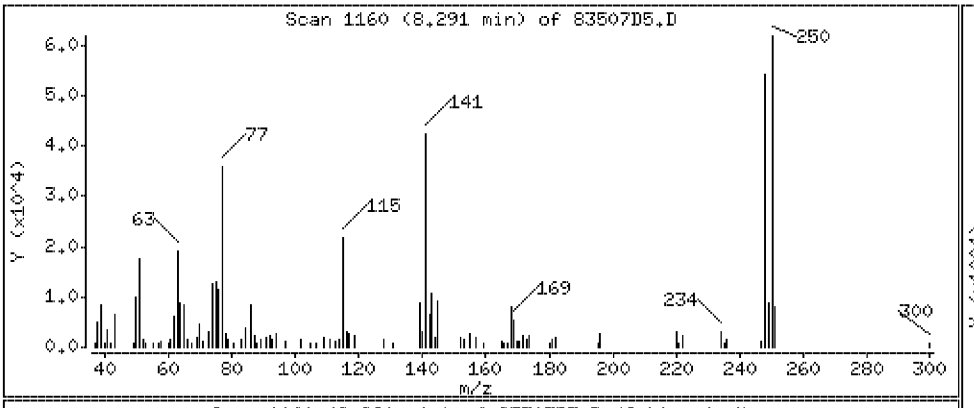
Operator: PEL

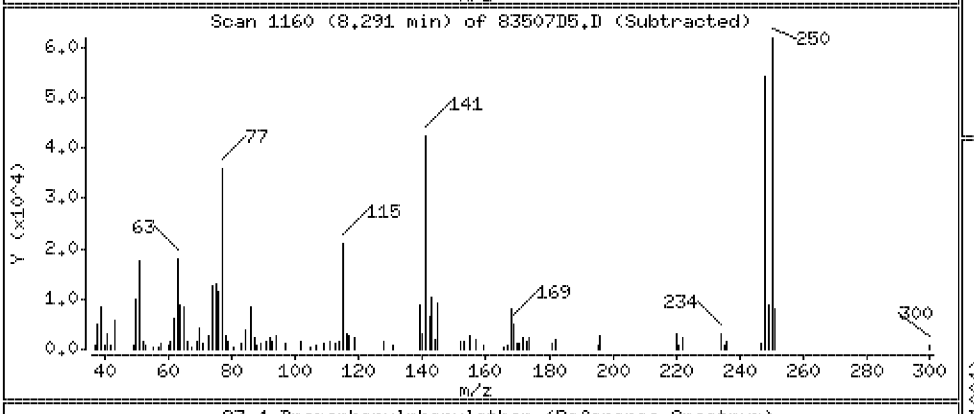
Column phase: HPMS-5

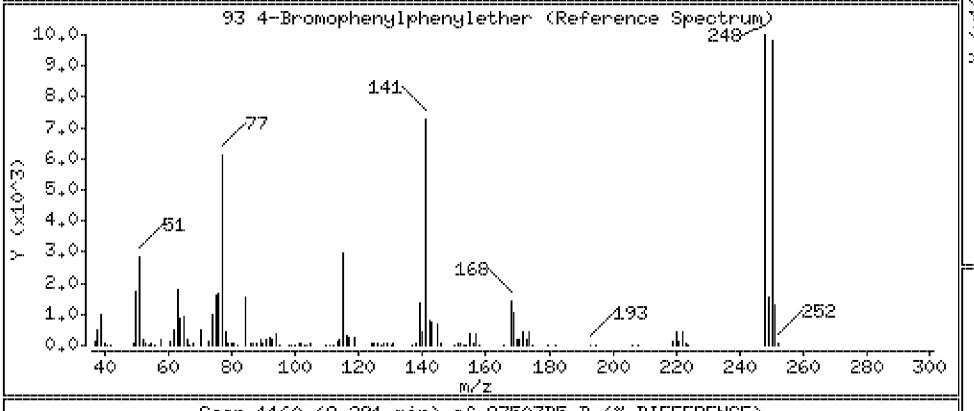
Column diameter: 0.25

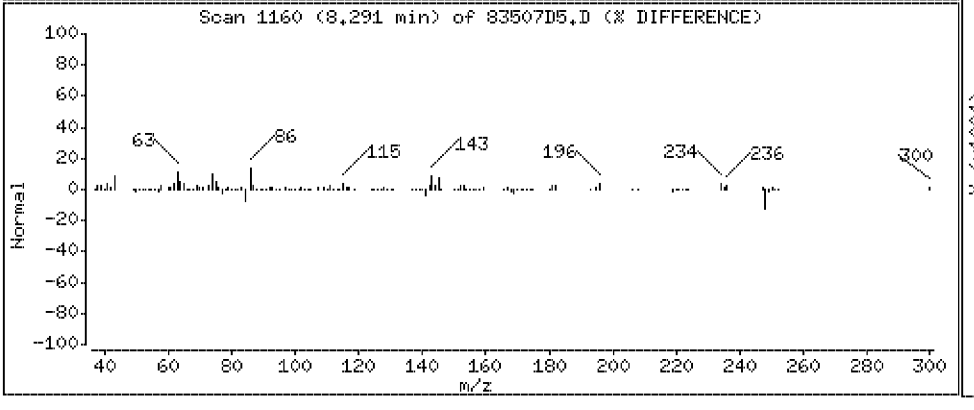
93 4-Bromophenylphenylether

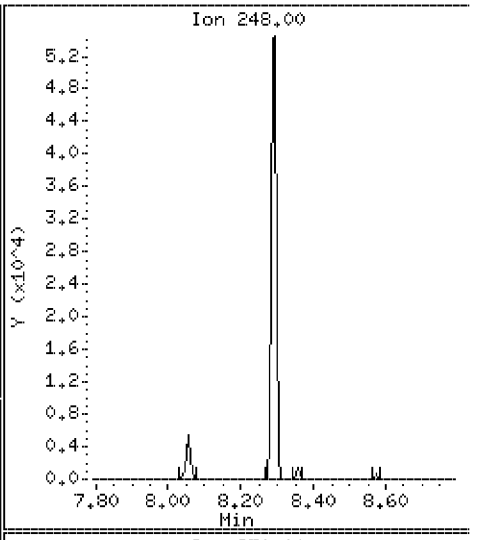
Concentration: 1730 ug/kg

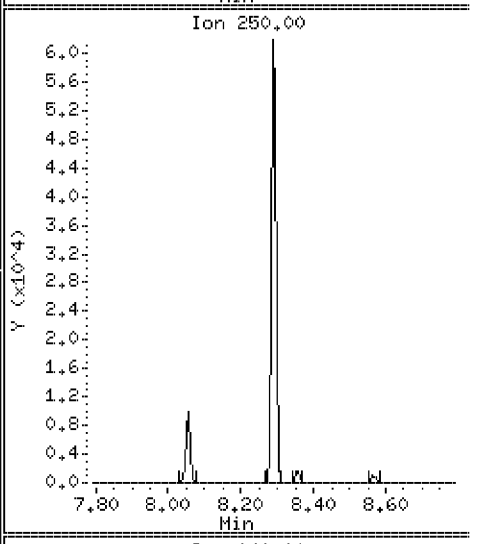


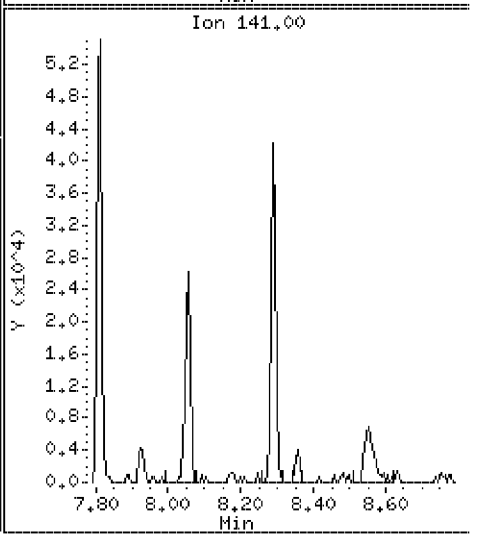












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

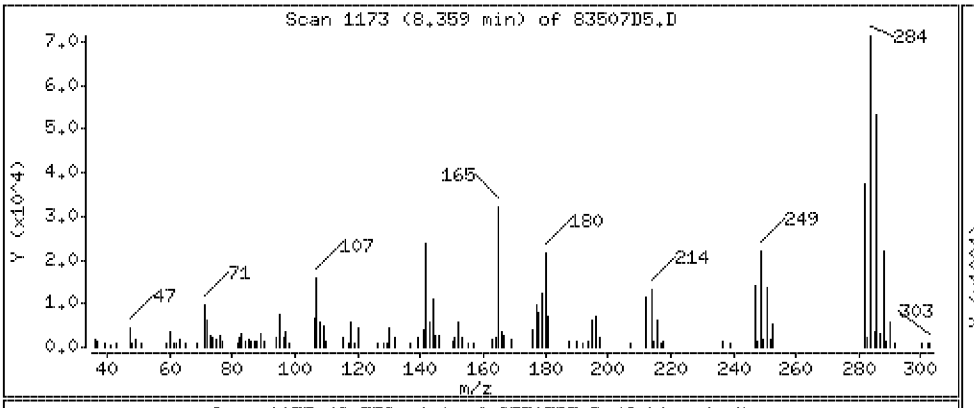
Operator: PEL

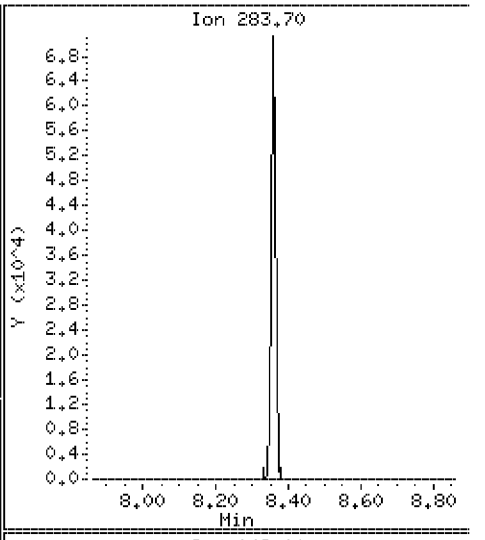
Column phase: HPMS-5

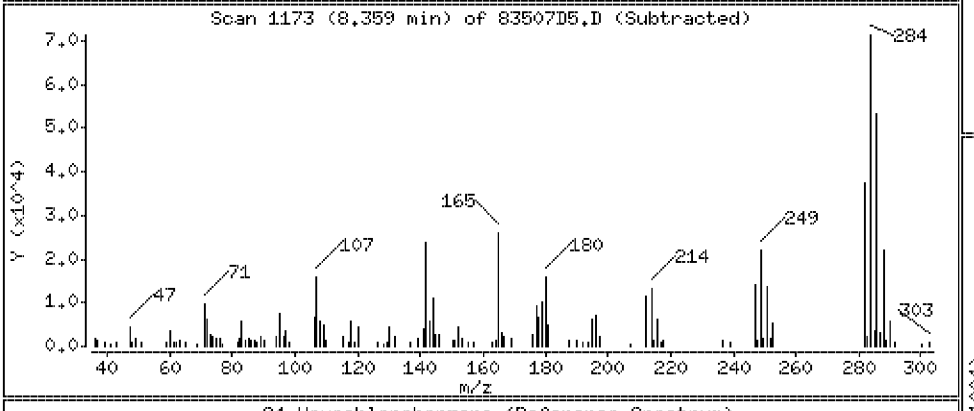
Column diameter: 0.25

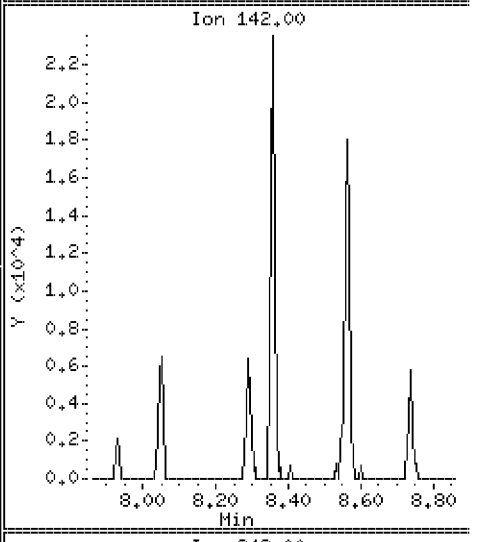
94 Hexachlorobenzene

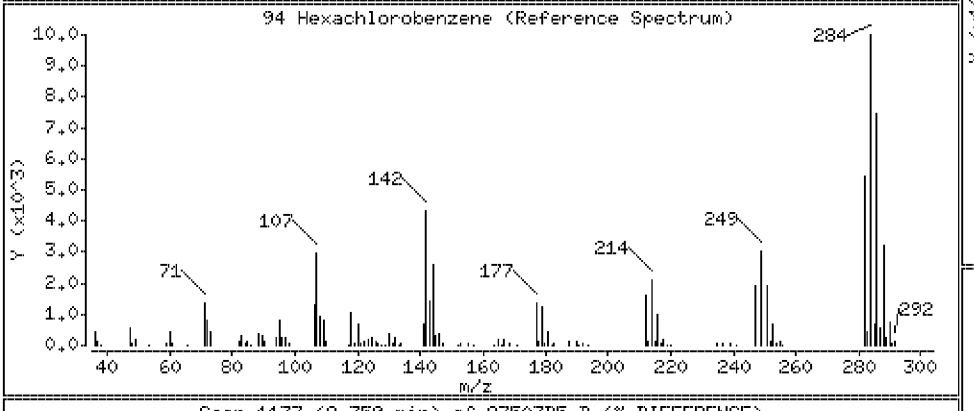
Concentration: 1700 ug/kg

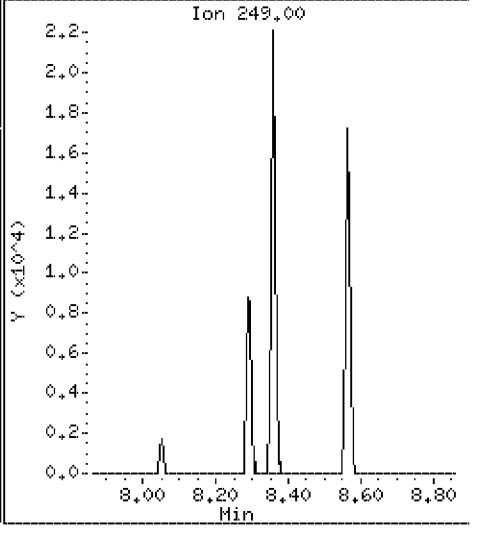


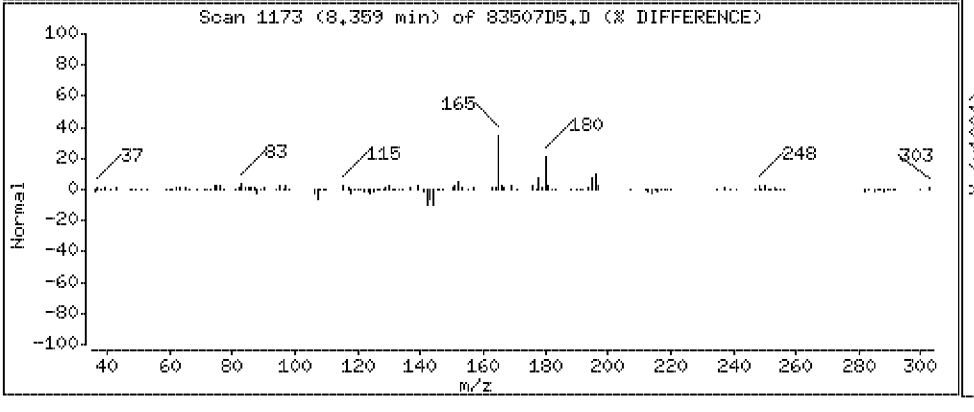












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

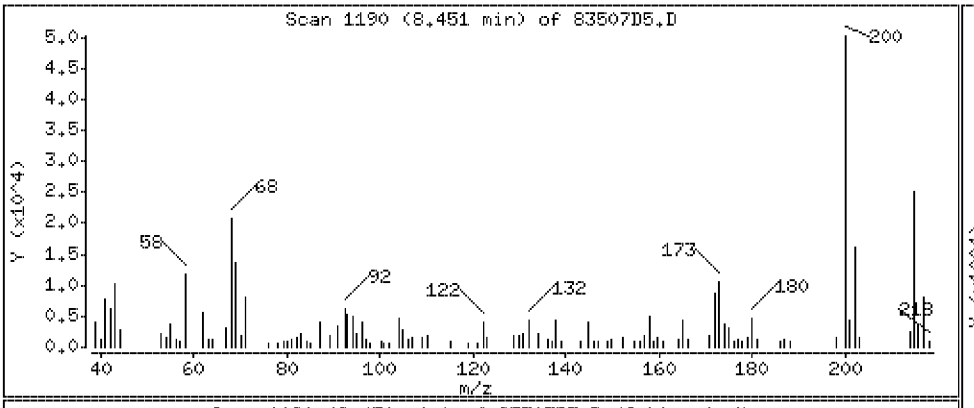
Operator: PEL

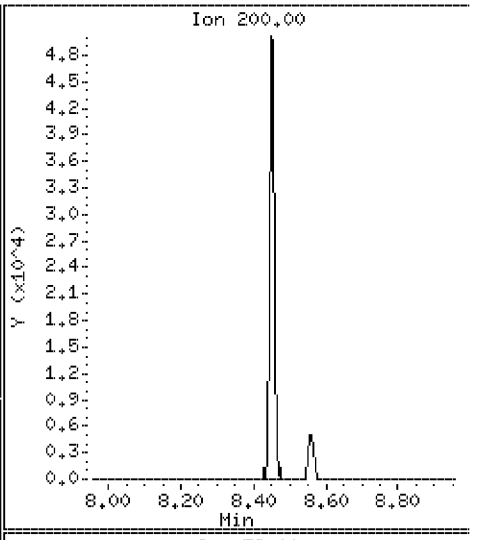
Column phase: HPMS-5

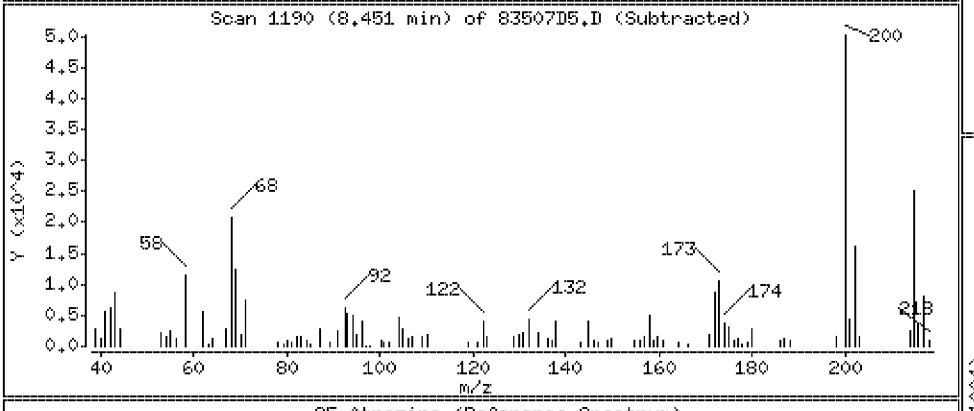
Column diameter: 0.25

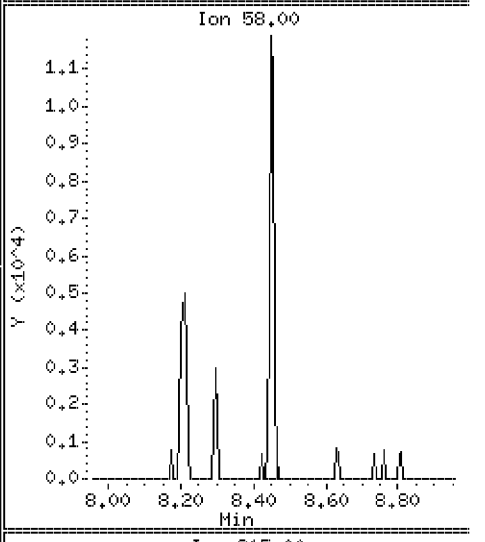
95 Atrazine

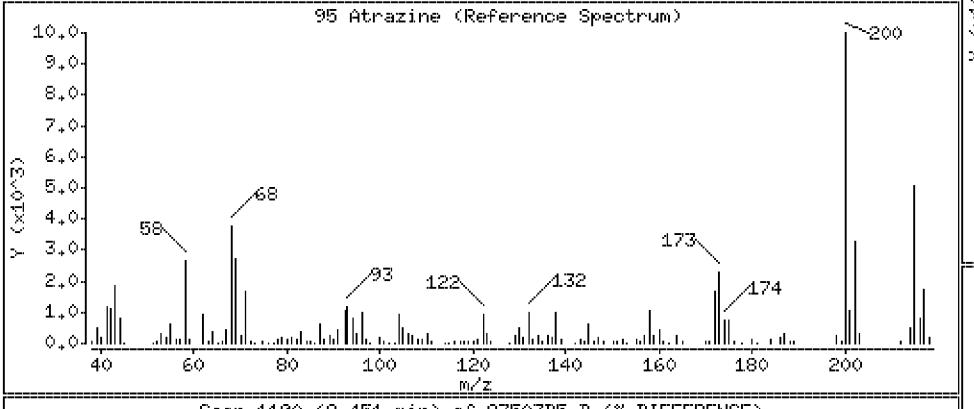
Concentration: 1610 ug/kg

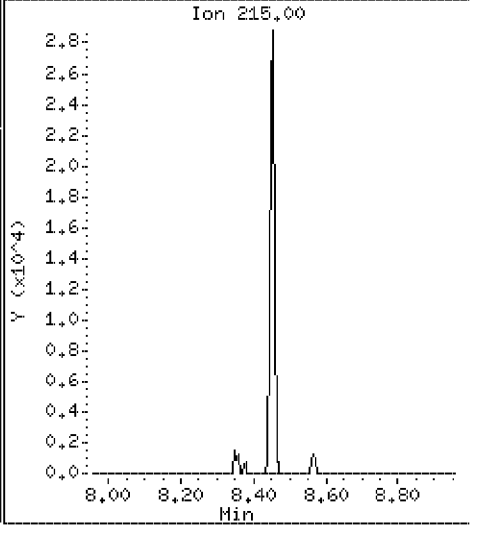


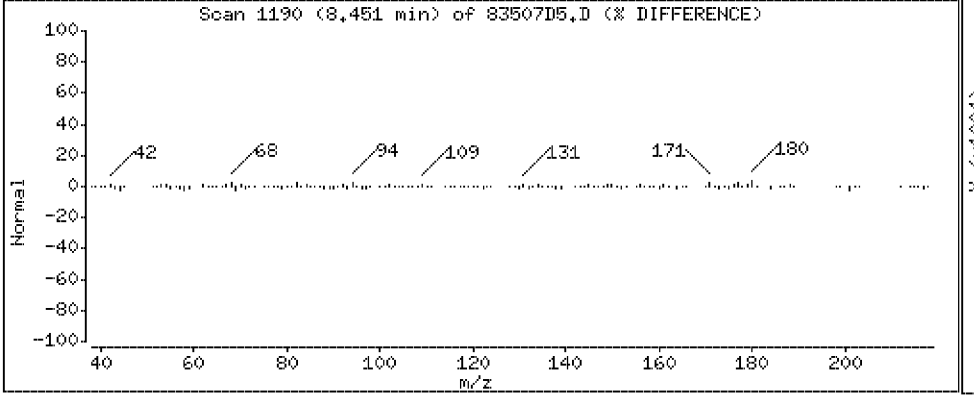












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

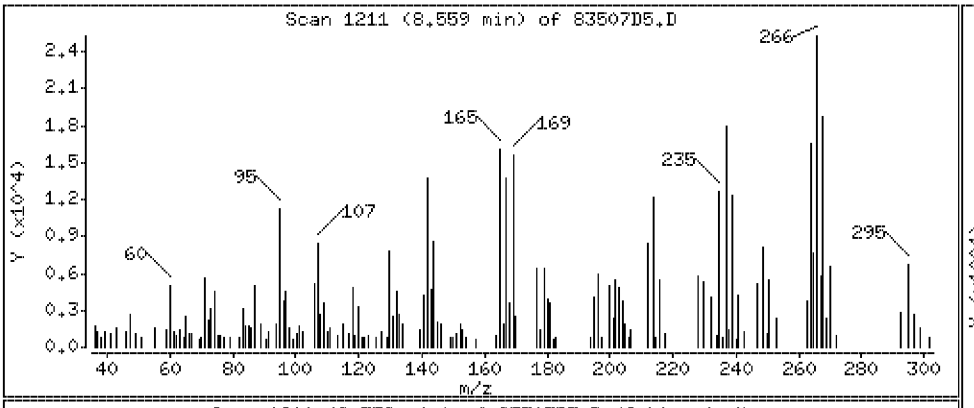
Operator: PEL

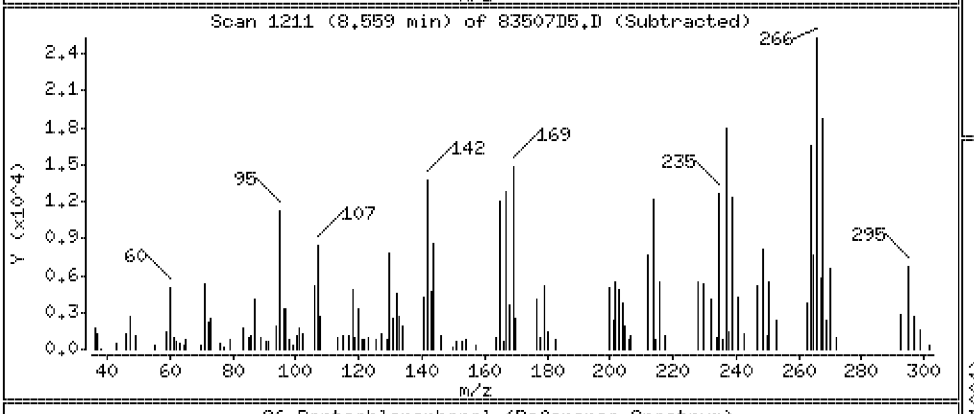
Column phase: HPMS-5

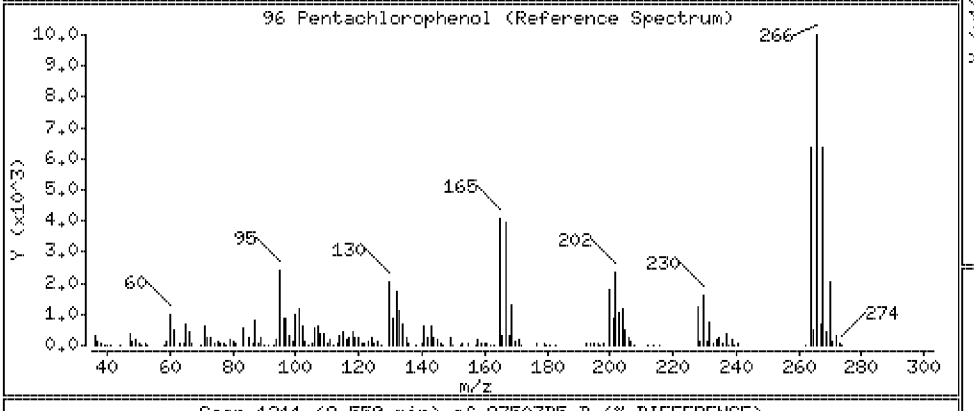
Column diameter: 0.25

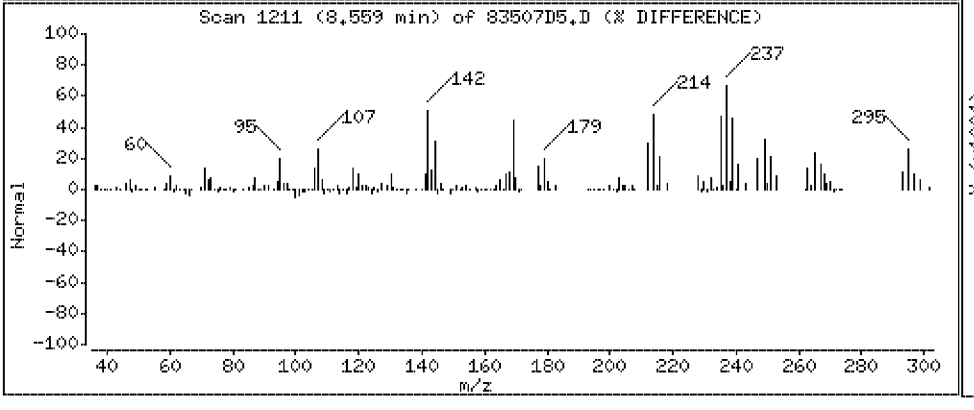
96 Pentachlorophenol

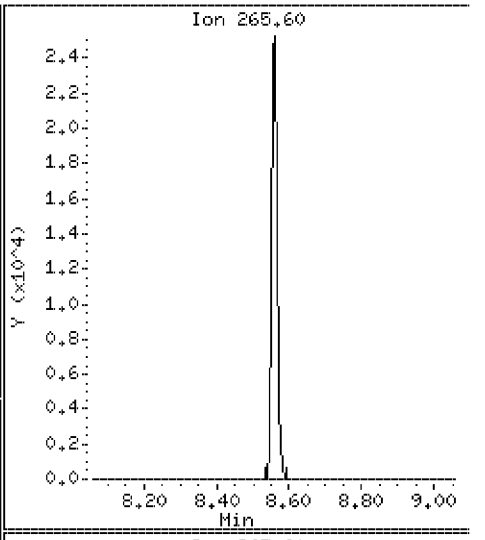
Concentration: 1310 ug/kg

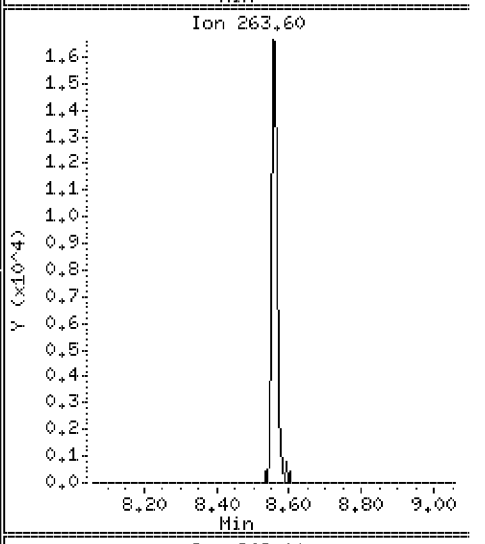


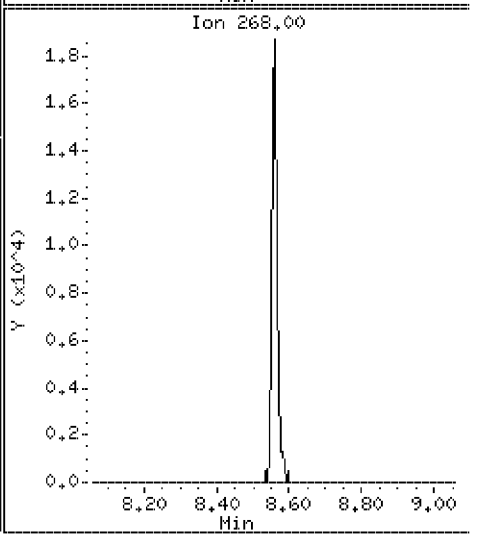












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

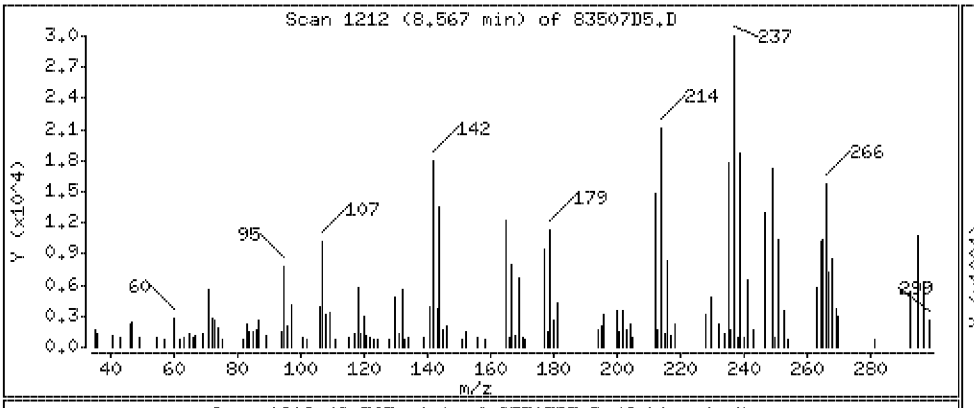
Operator: PEL

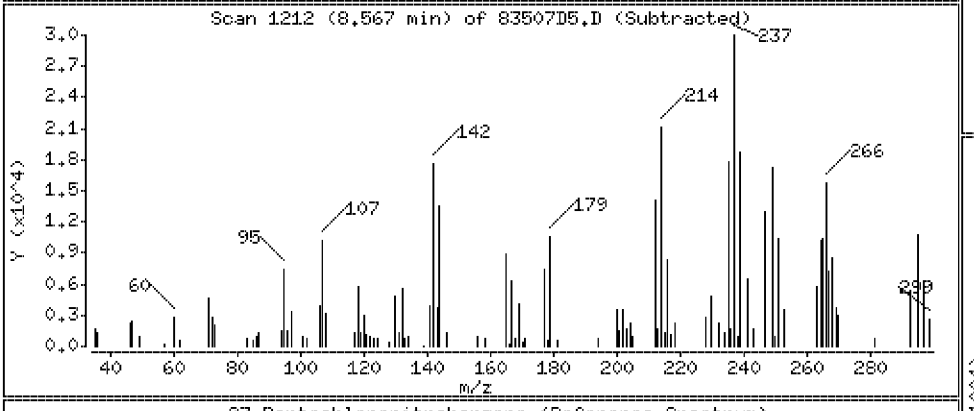
Column phase: HPMS-5

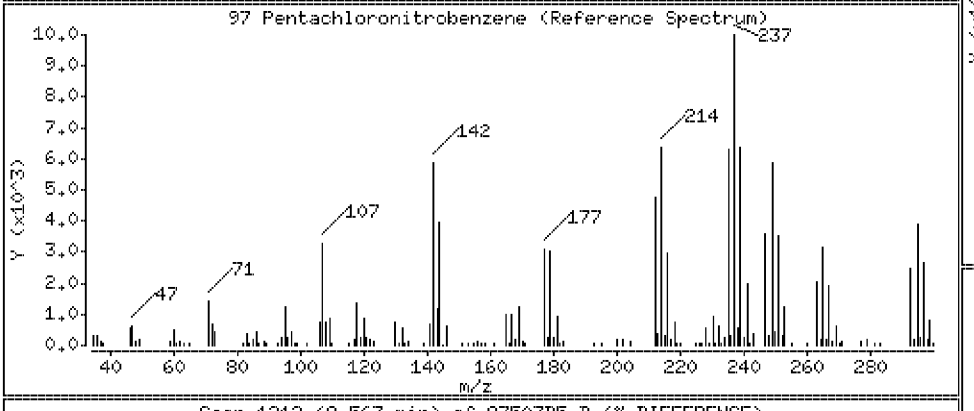
Column diameter: 0.25

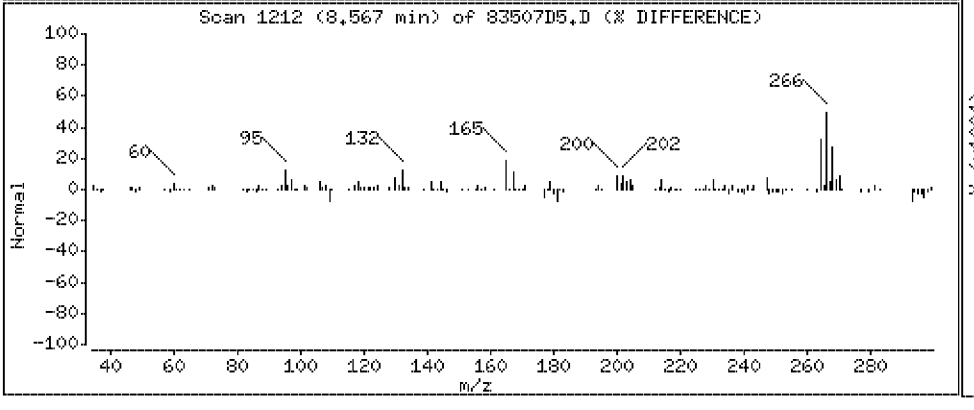
97 Pentachloronitrobenzene

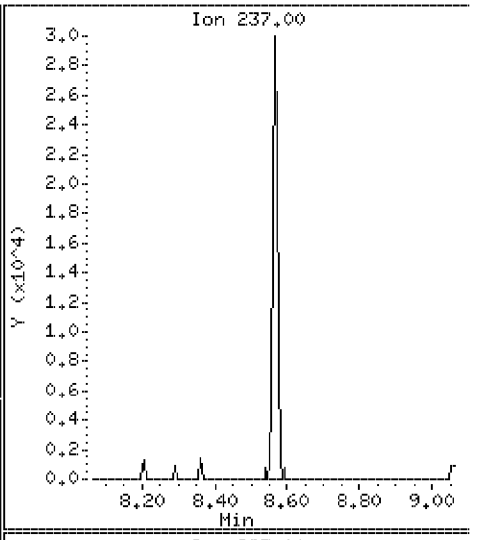
Concentration: 1830 ug/kg

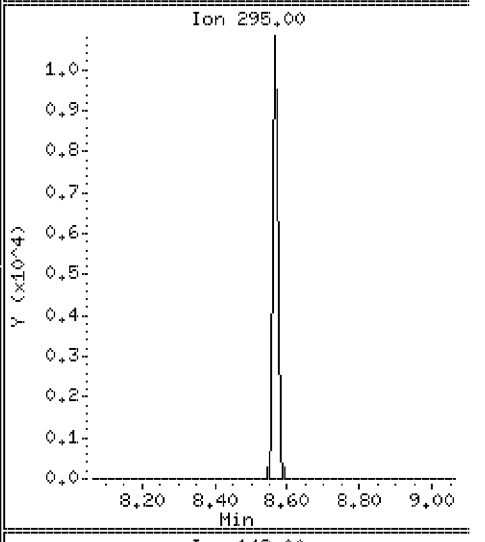


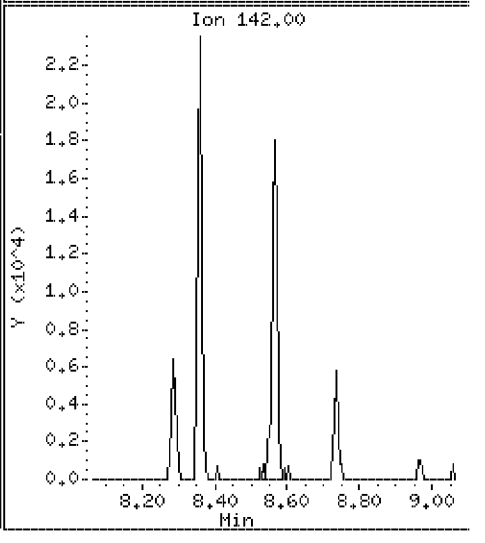












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

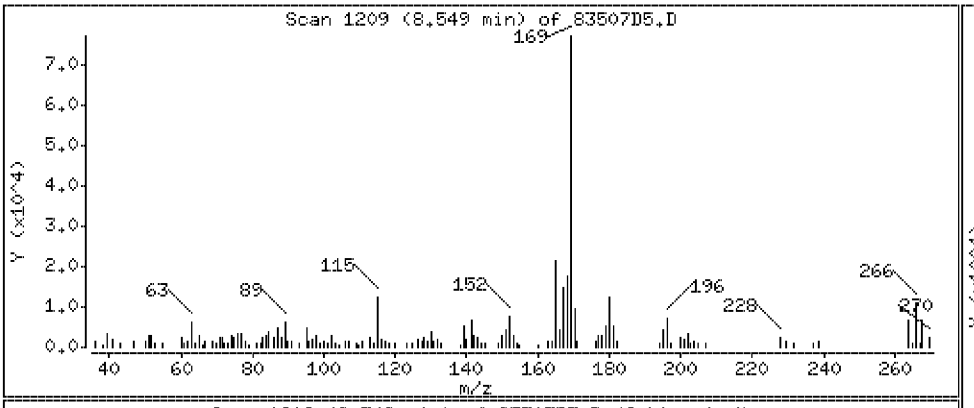
Operator: PEL

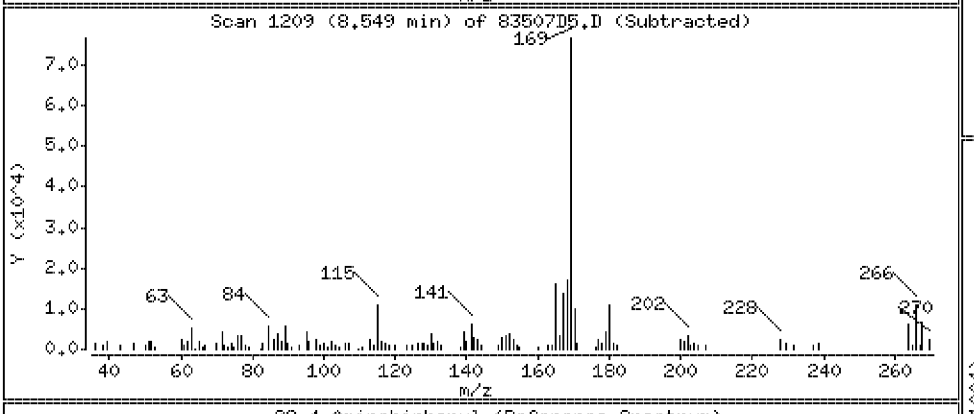
Column phase: HPMS-5

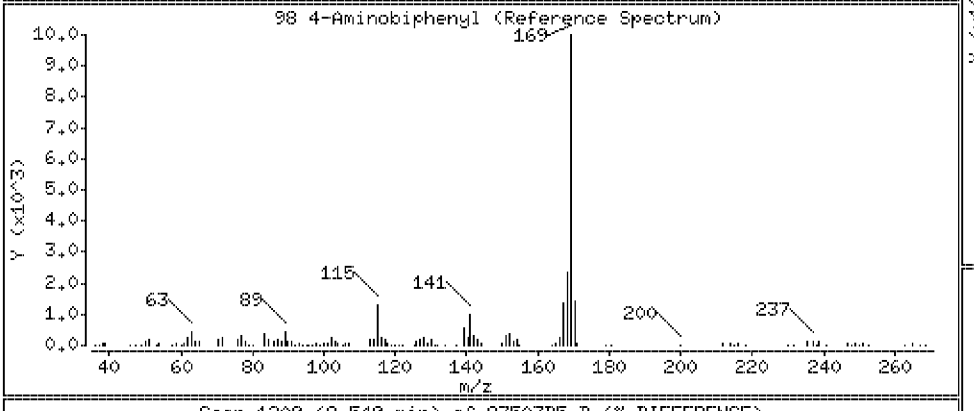
Column diameter: 0.25

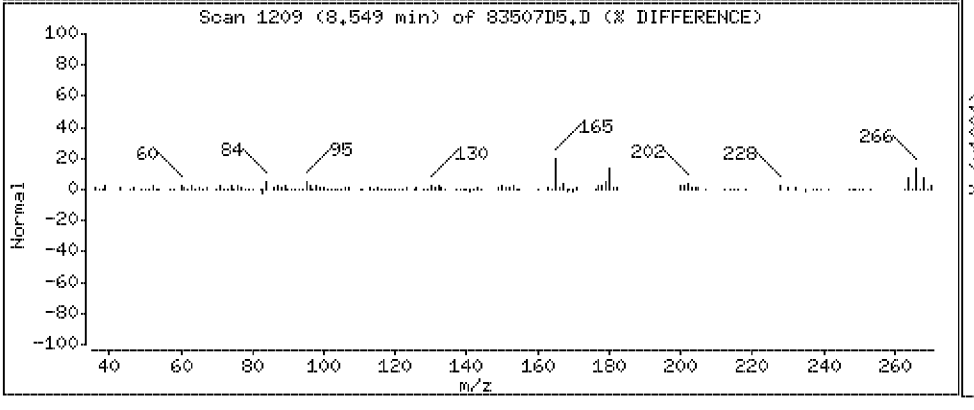
98 4-Aminobiphenyl

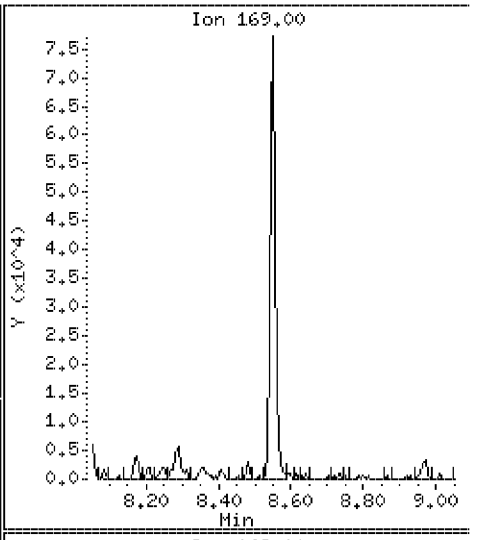
Concentration: 1050 ug/kg

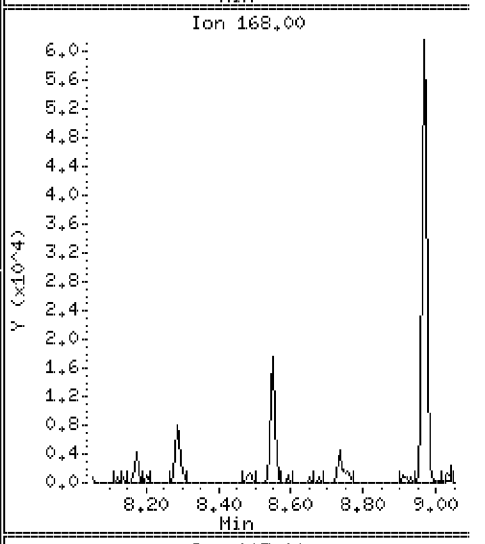


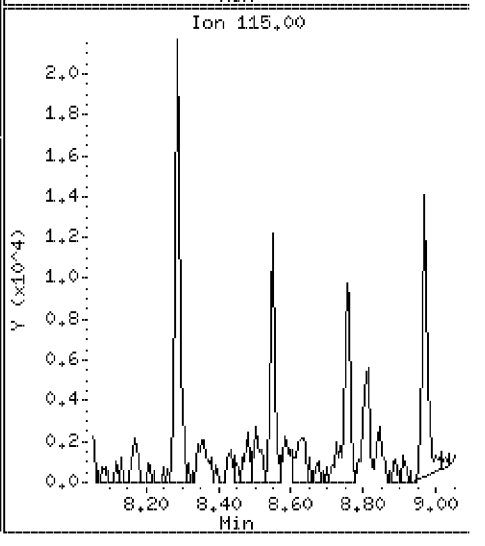












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

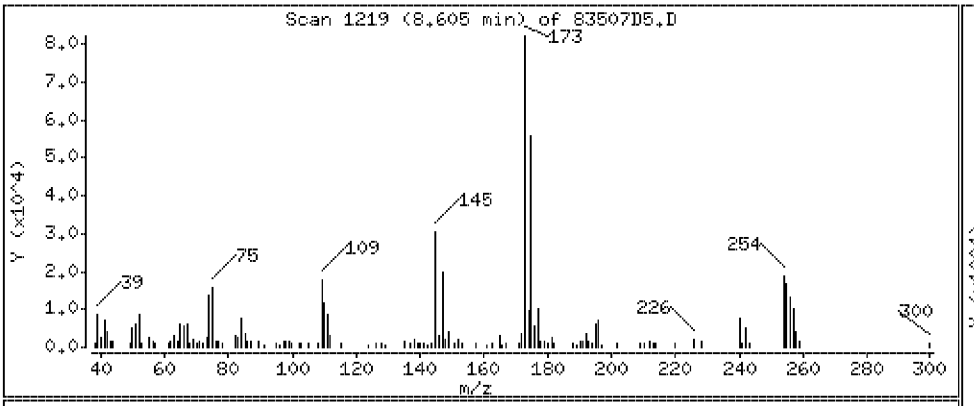
Operator: PEL

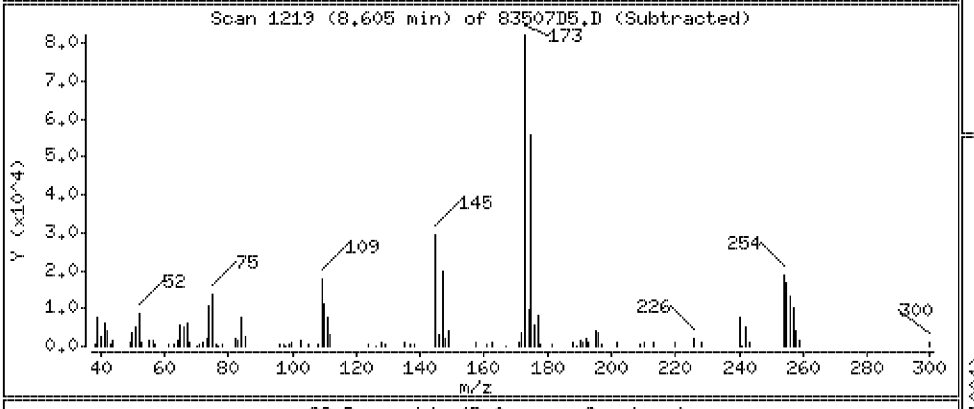
Column phase: HPMS-5

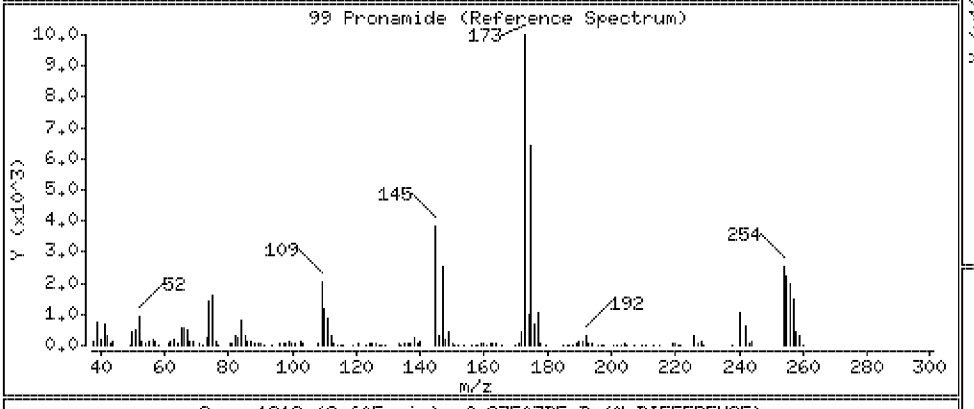
Column diameter: 0.25

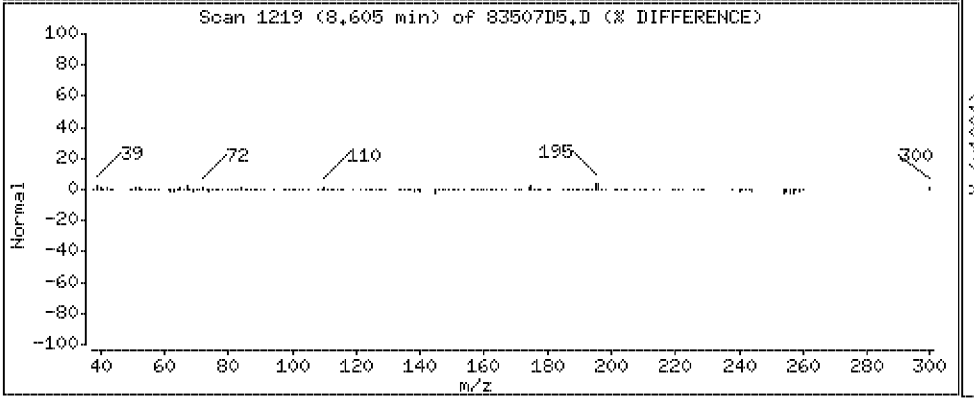
99 Pronamide

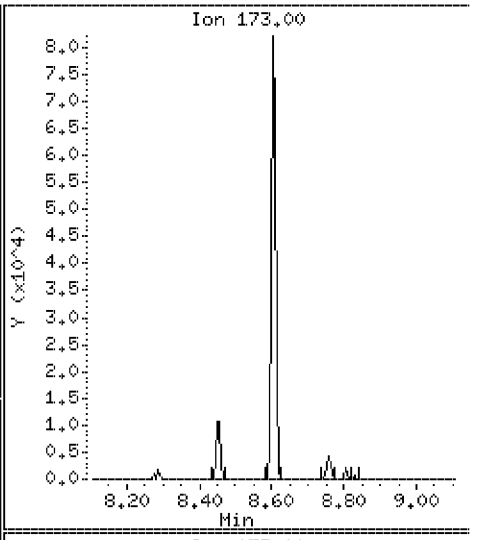
Concentration: 1870 ug/kg

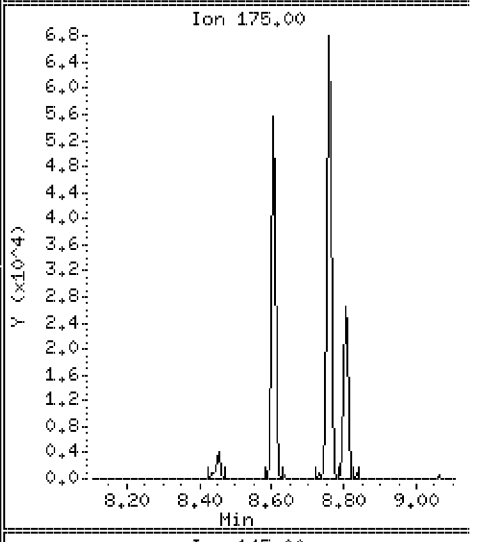


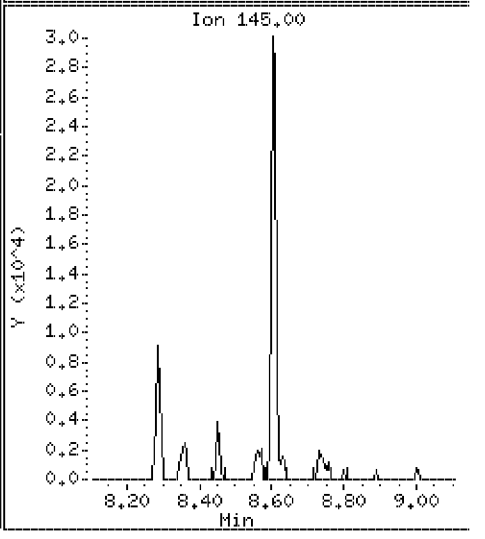












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

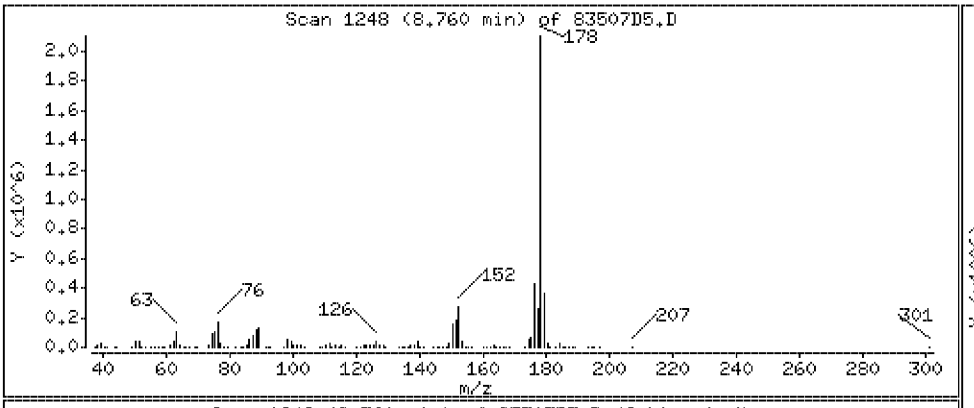
Operator: PEL

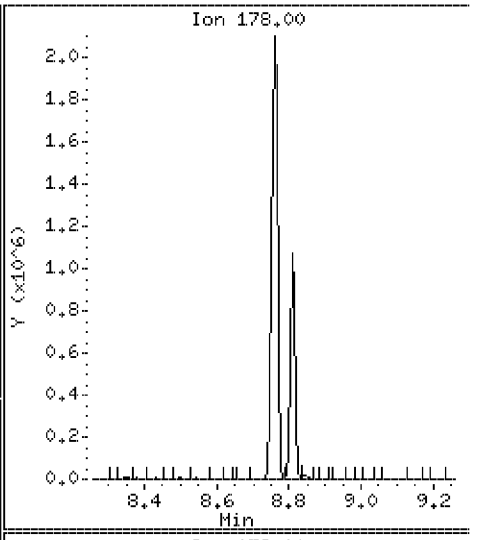
Column phase: HPMS-5

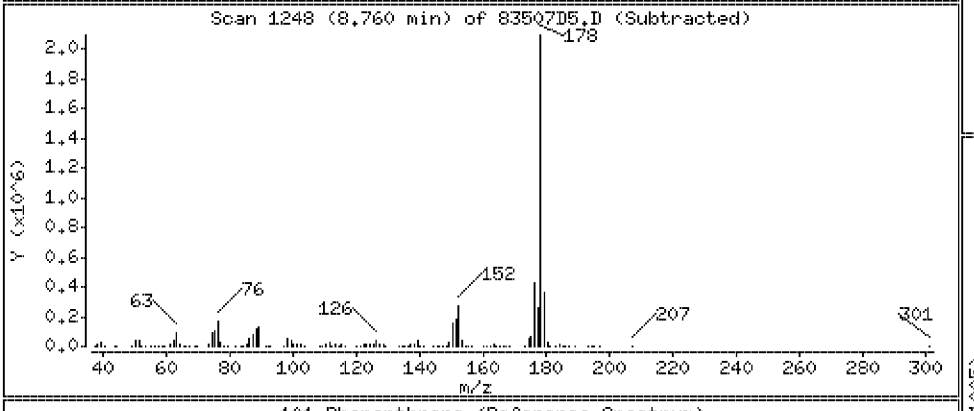
Column diameter: 0.25

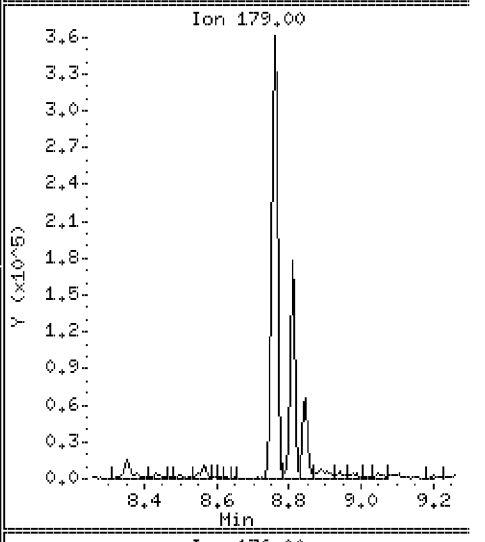
101 Phenanthrene

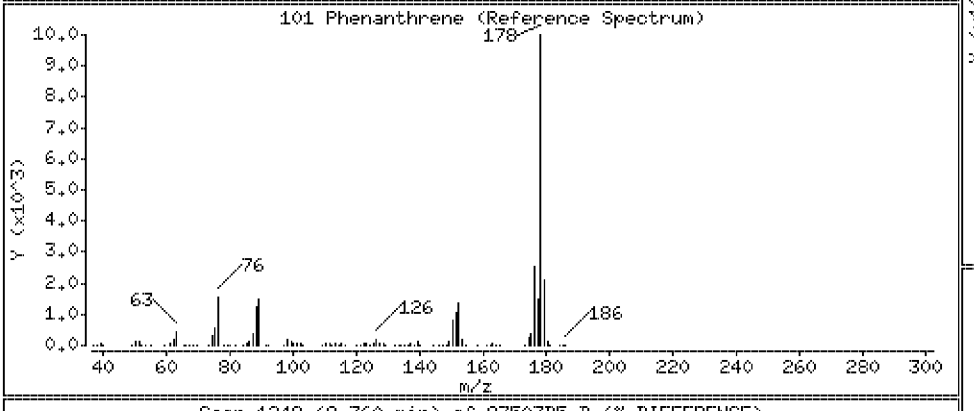
Concentration: 17800 ug/kg

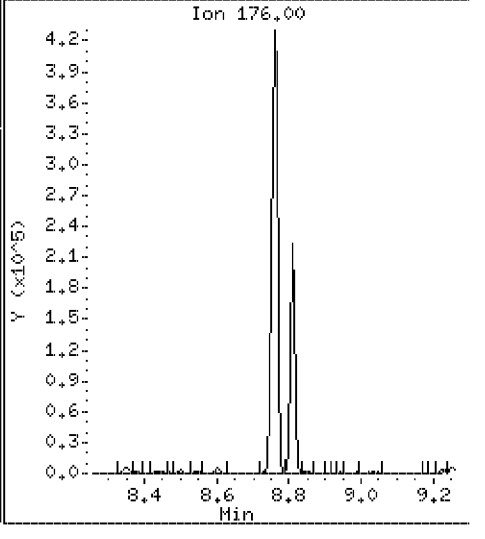


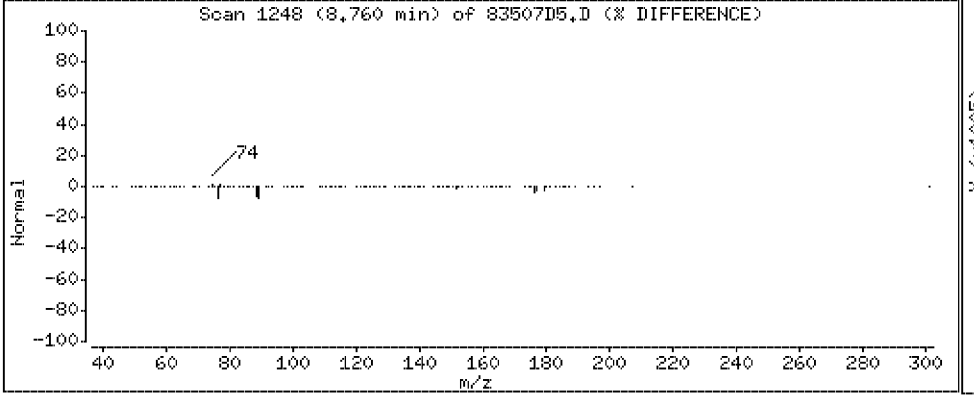












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

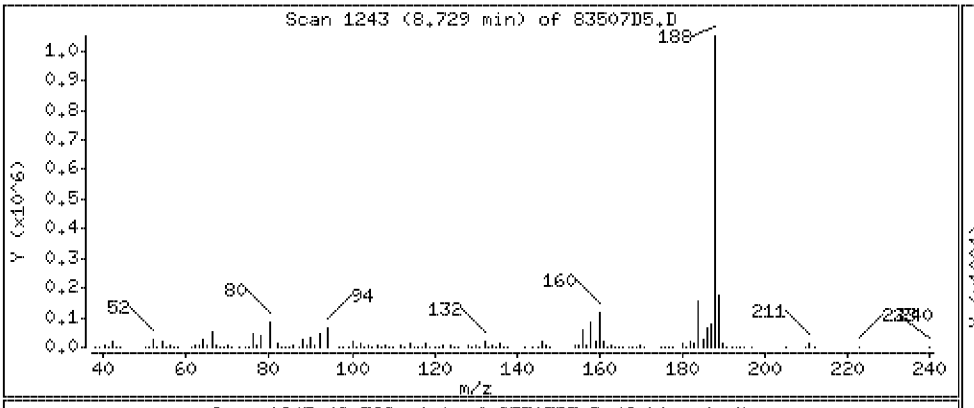
Operator: PEL

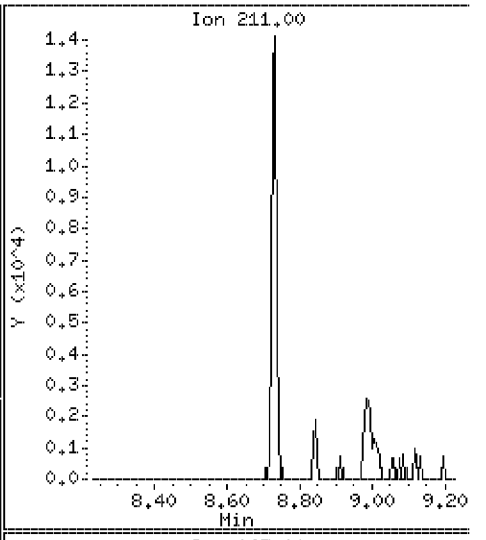
Column phase: HPMS-5

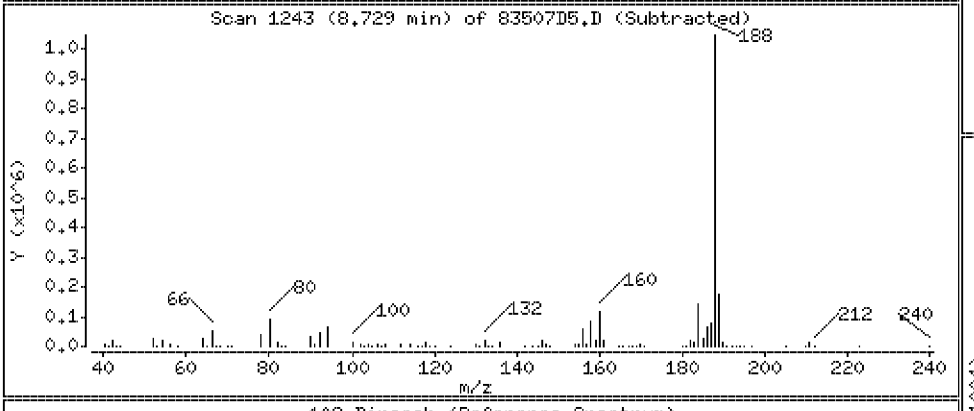
Column diameter: 0.25

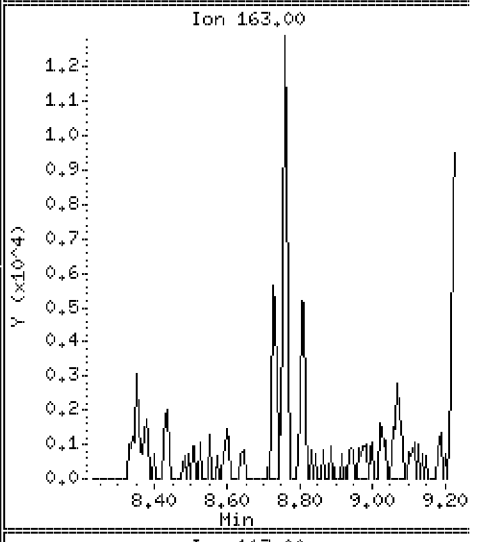
102 Dinoseb

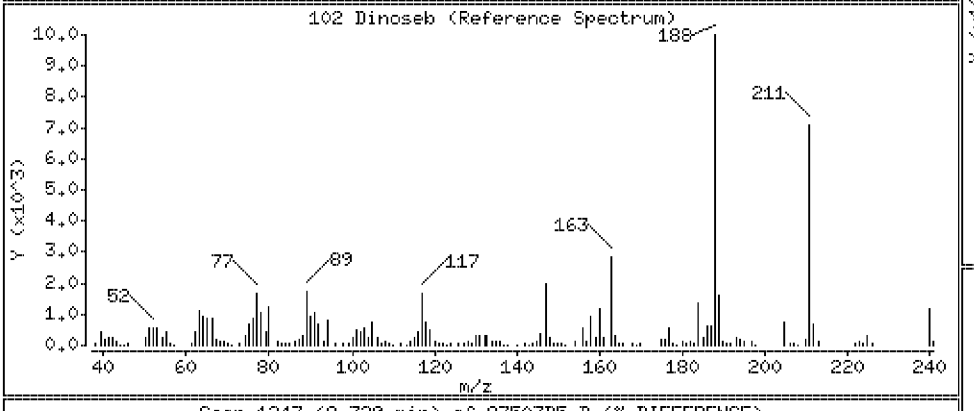
Concentration: 1440 ug/kg

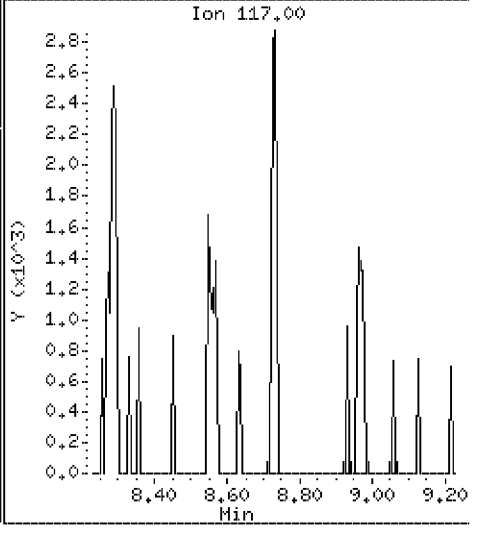


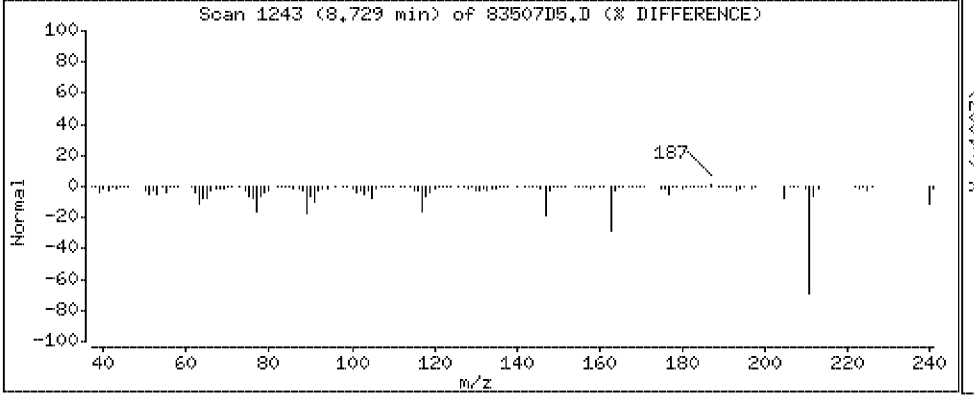












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

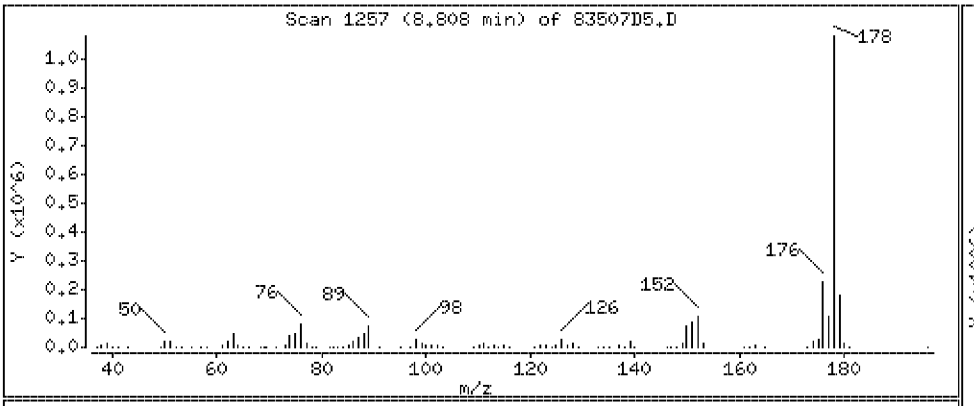
Operator: PEL

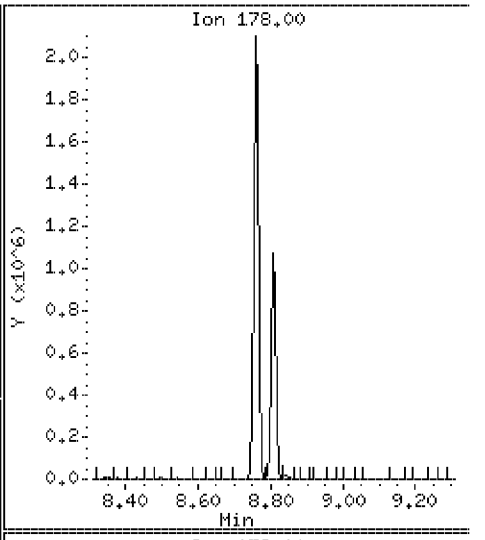
Column phase: HPMS-5

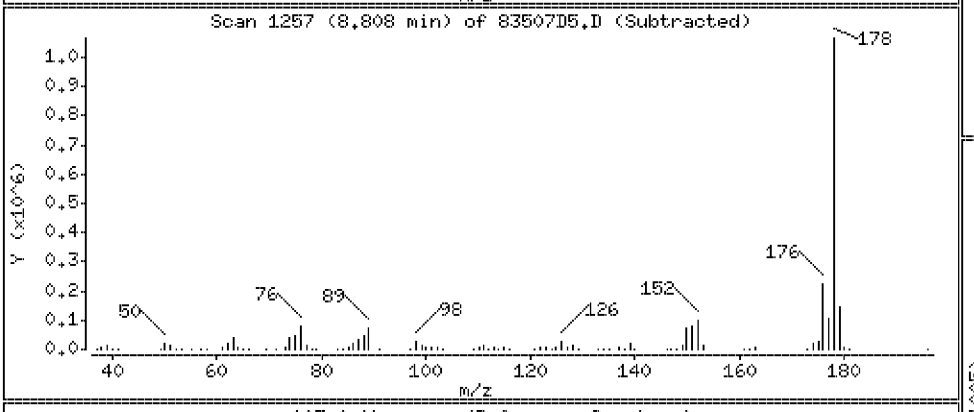
Column diameter: 0.25

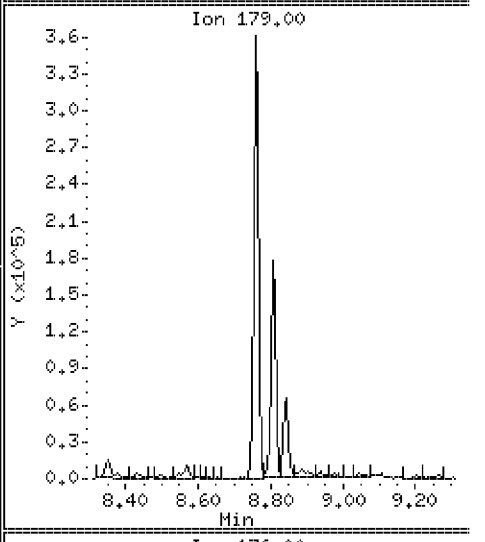
103 Anthracene

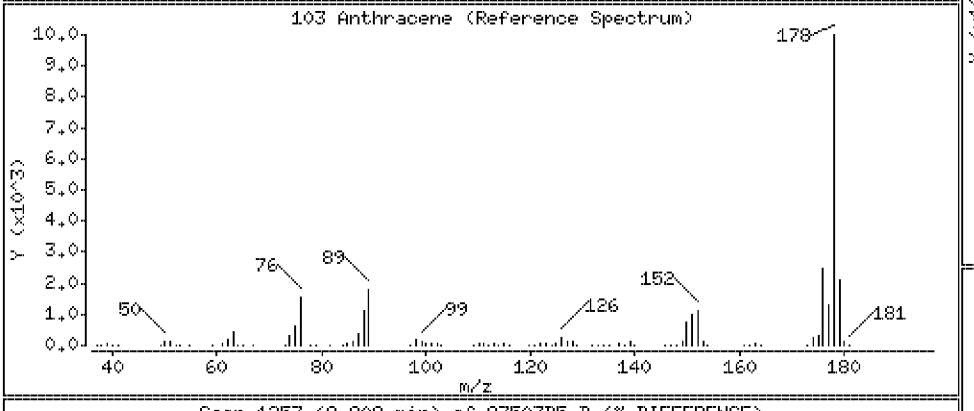
Concentration: 8910 ug/kg

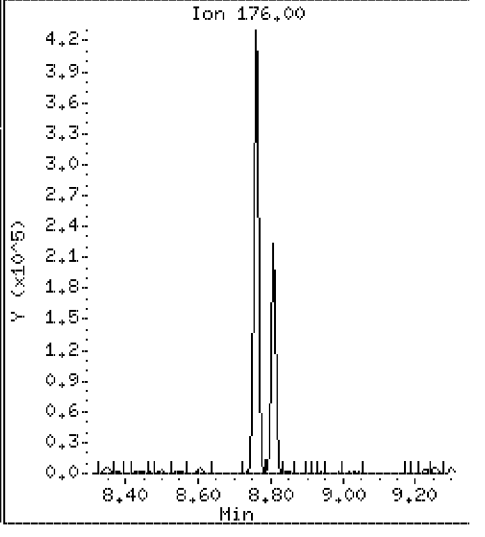


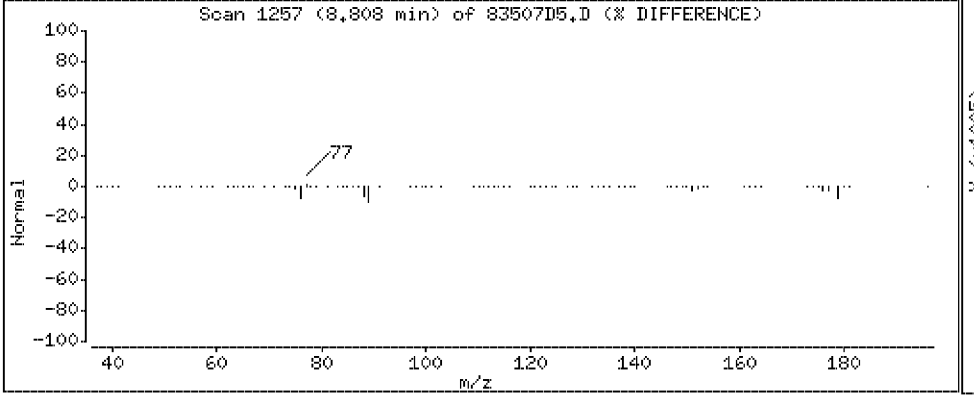












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

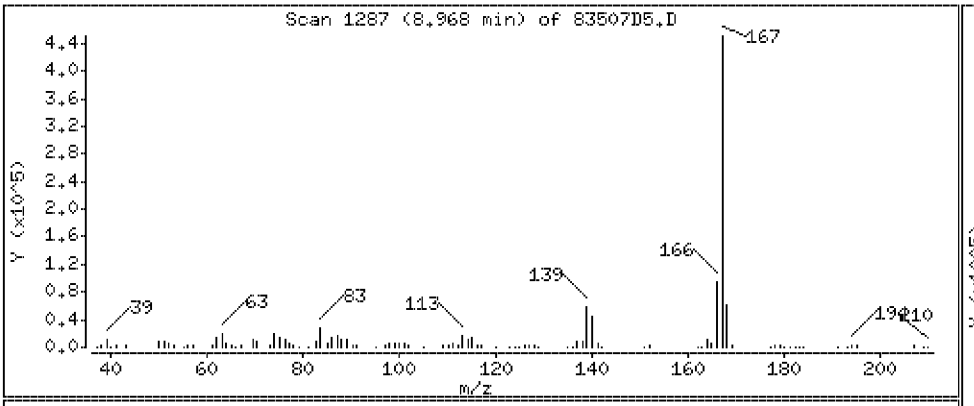
Operator: PEL

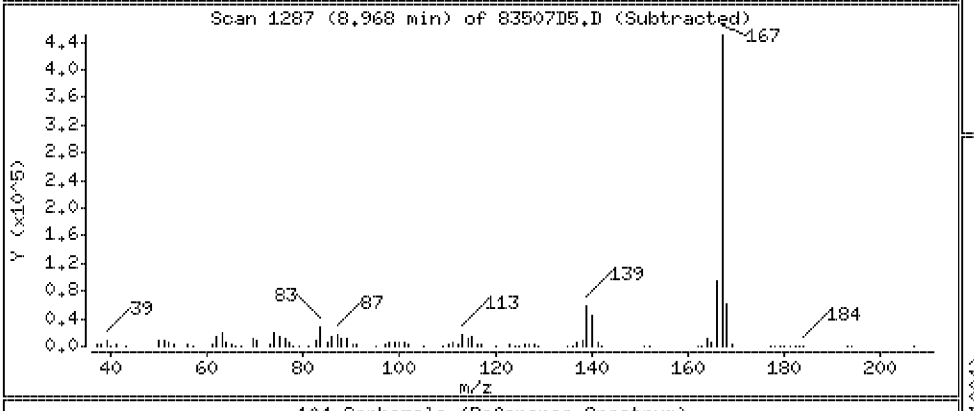
Column phase: HPMS-5

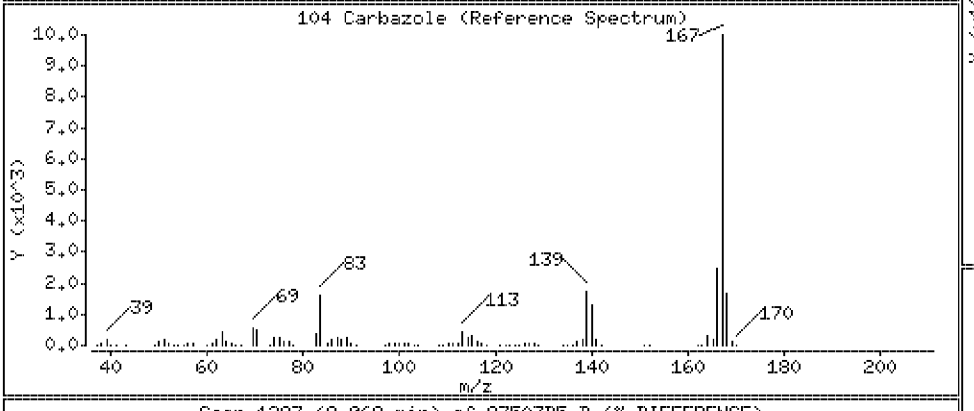
Column diameter: 0.25

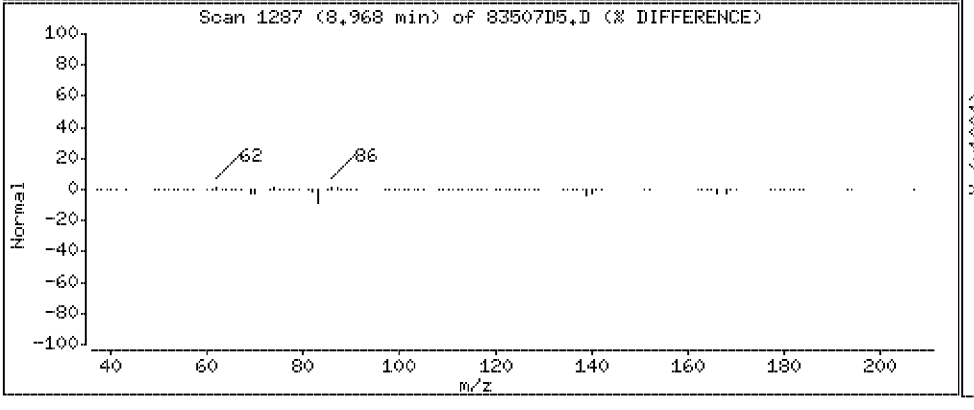
104 Carbazole

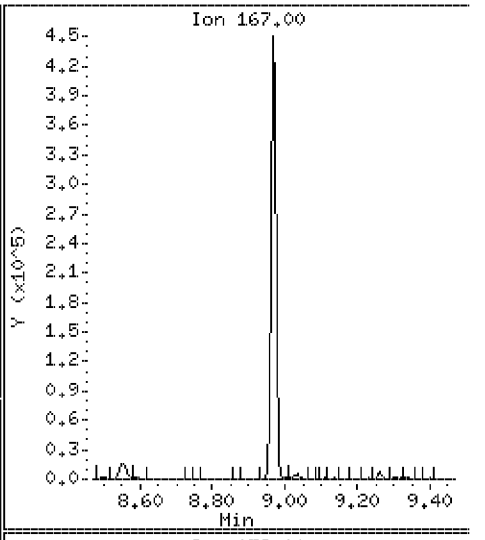
Concentration: 4740 ug/kg

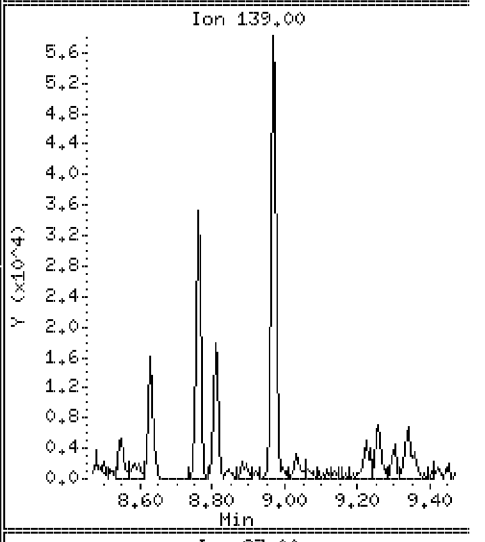


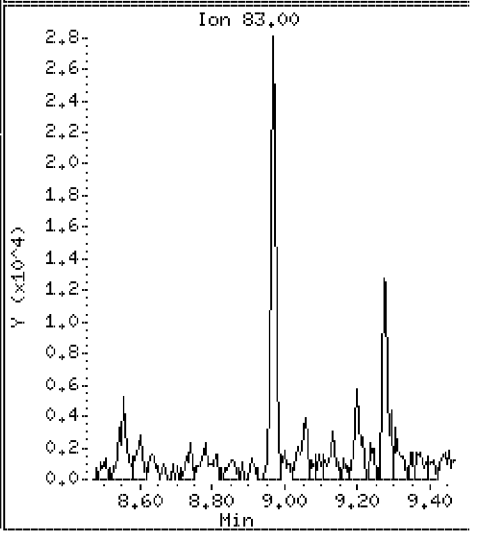












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

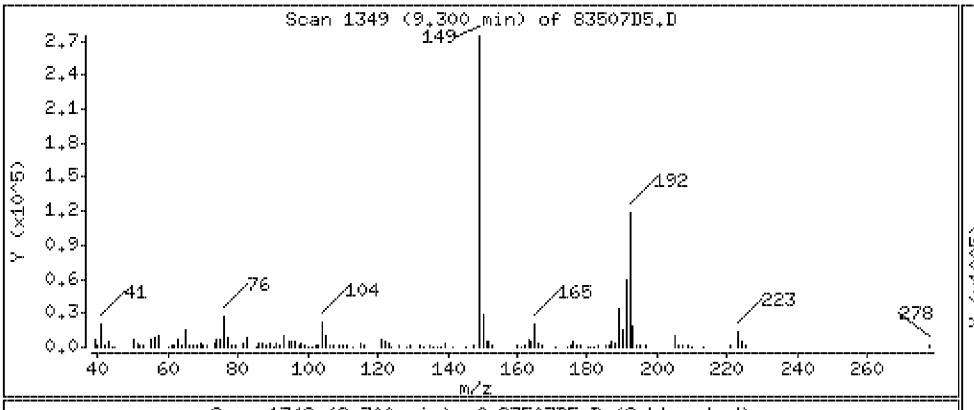
Operator: PEL

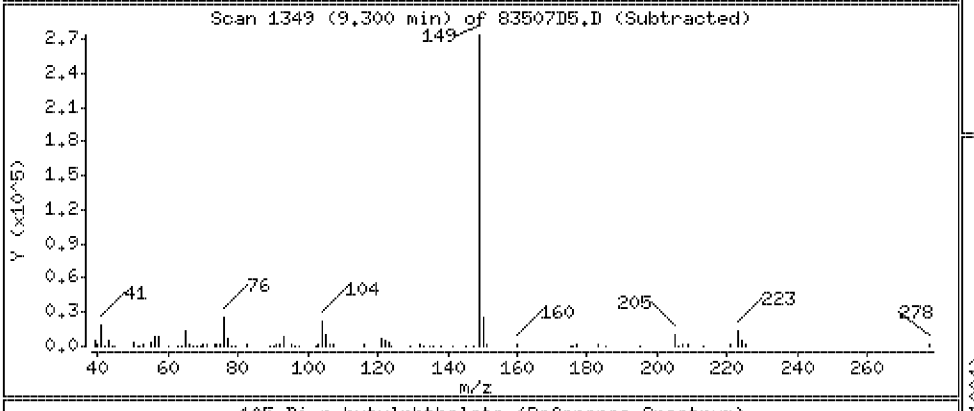
Column phase: HPMS-5

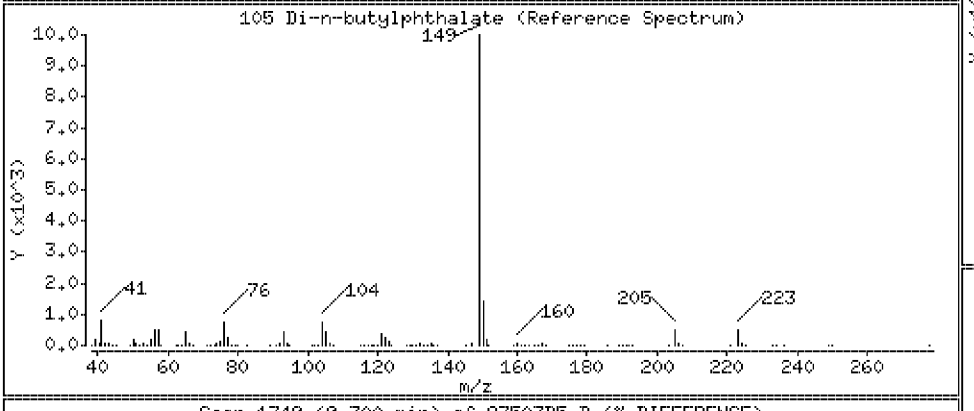
Column diameter: 0.25

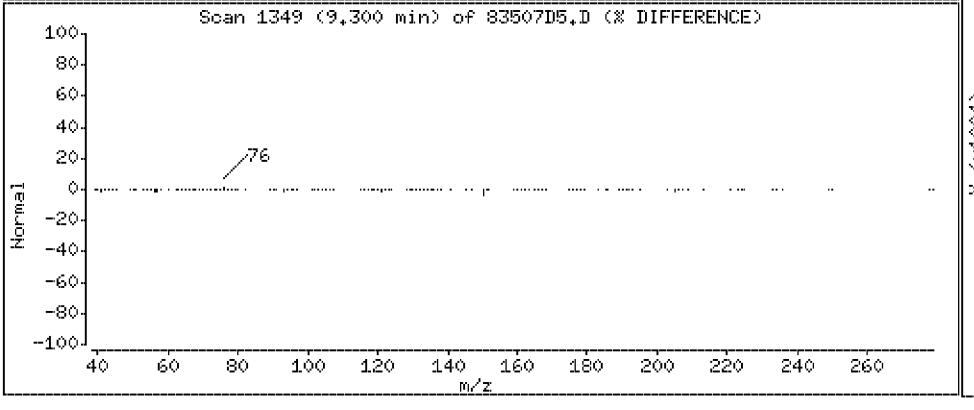
105 Di-n-butylphthalate

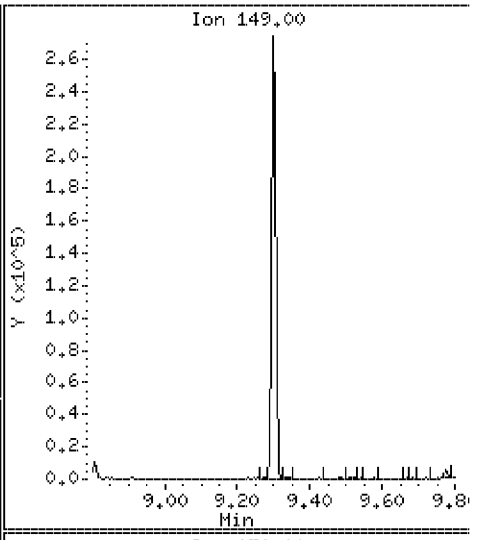
Concentration: 1960 ug/kg

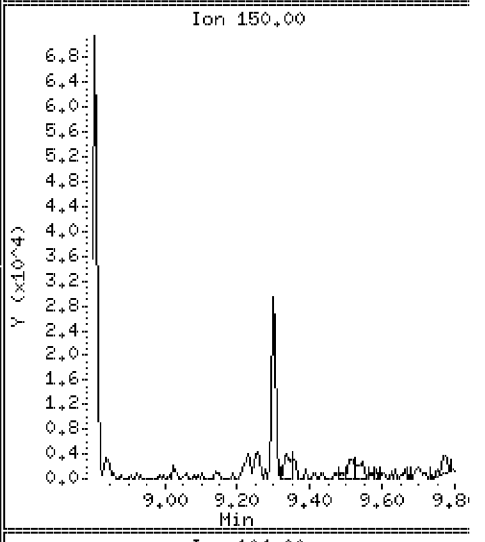


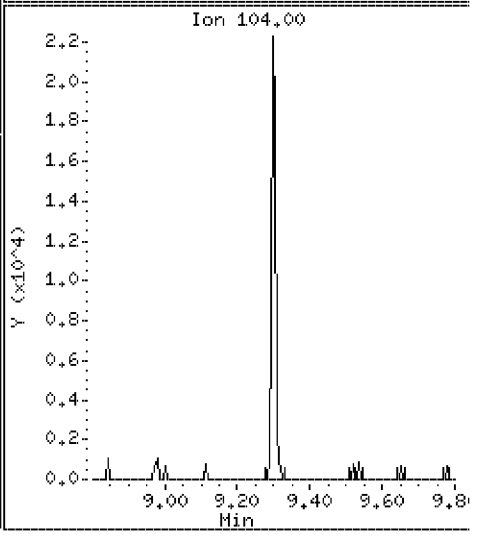












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

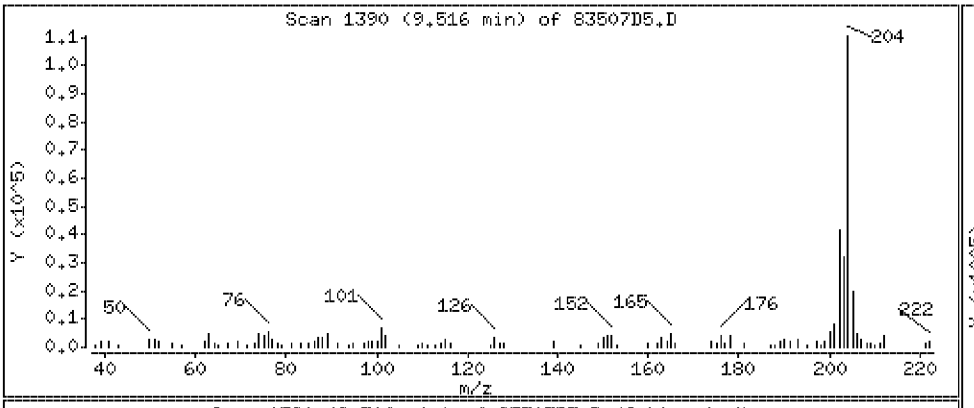
Operator: PEL

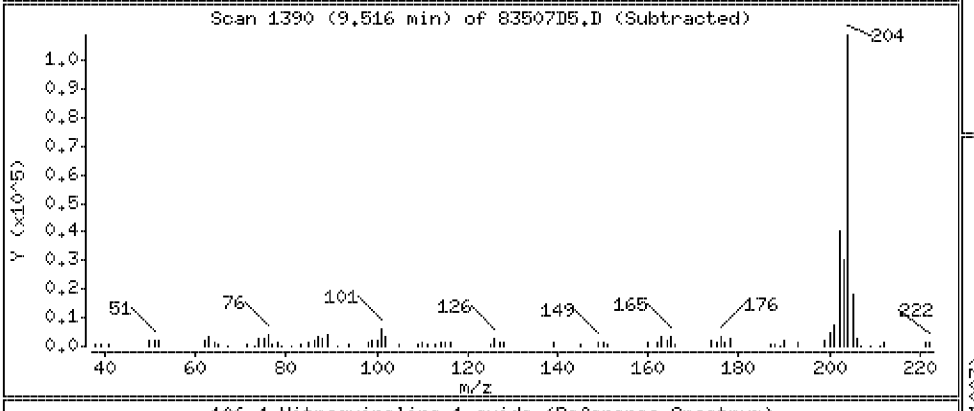
Column phase: HPMS-5

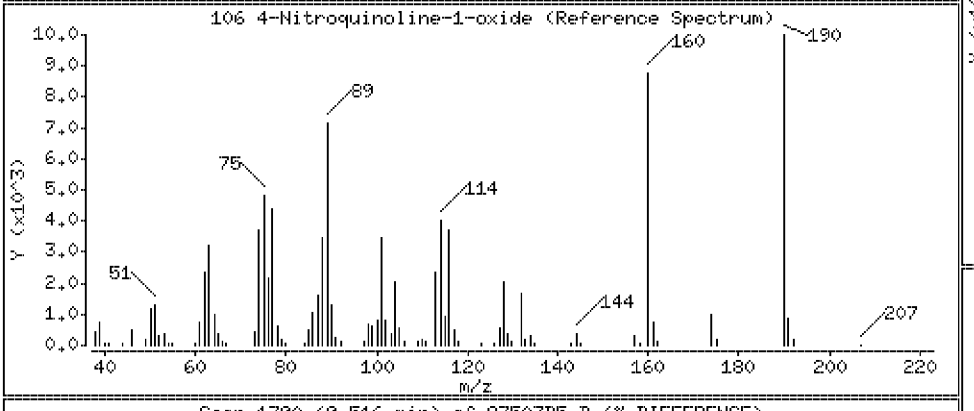
Column diameter: 0.25

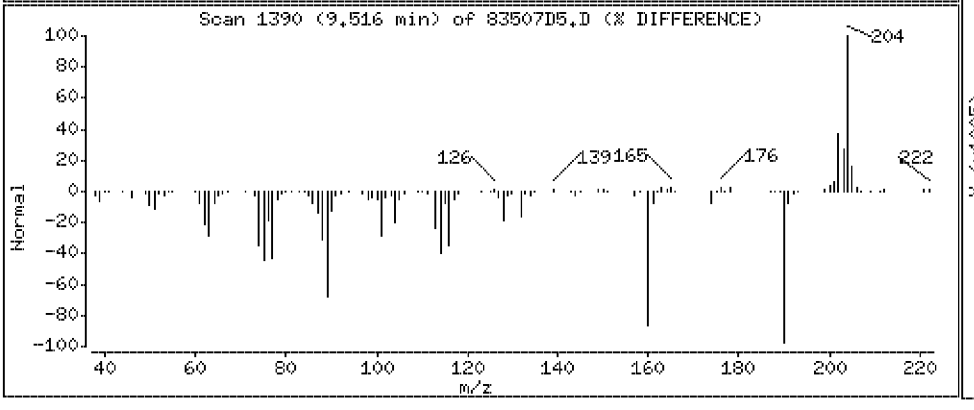
106 4-Nitroquinoline-1-oxide

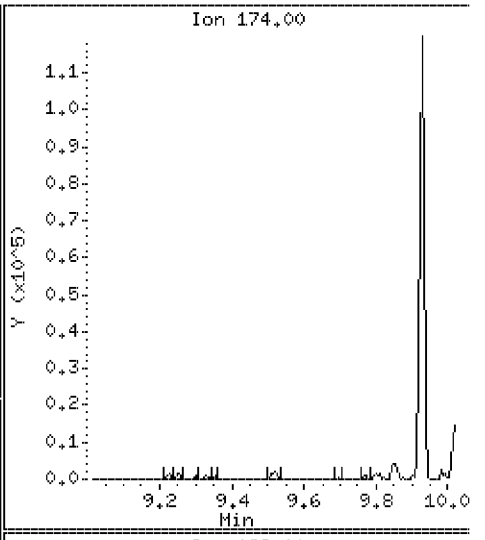
Concentration: 1510 ug/kg

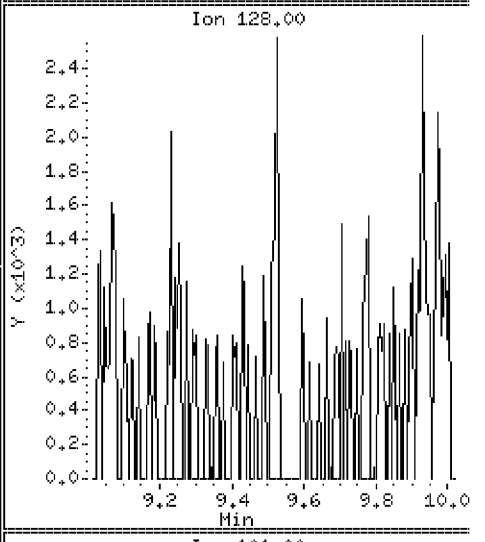


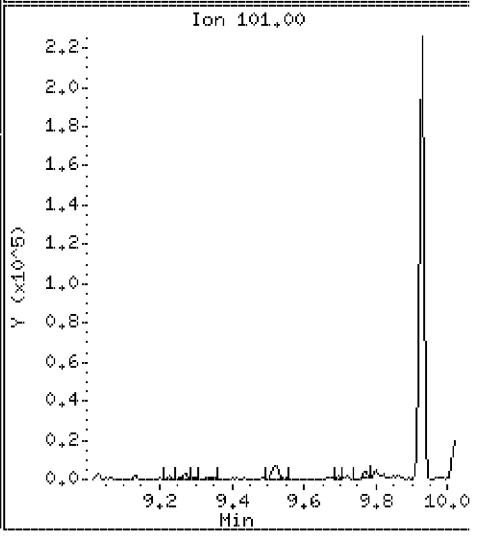












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

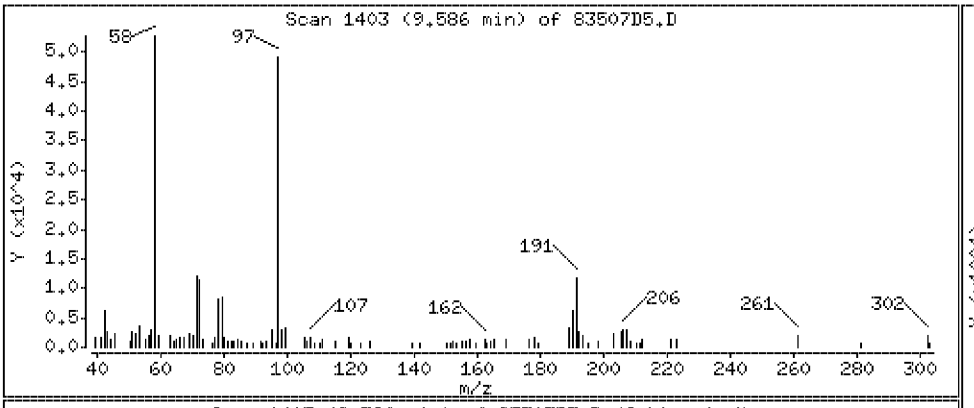
Operator: PEL

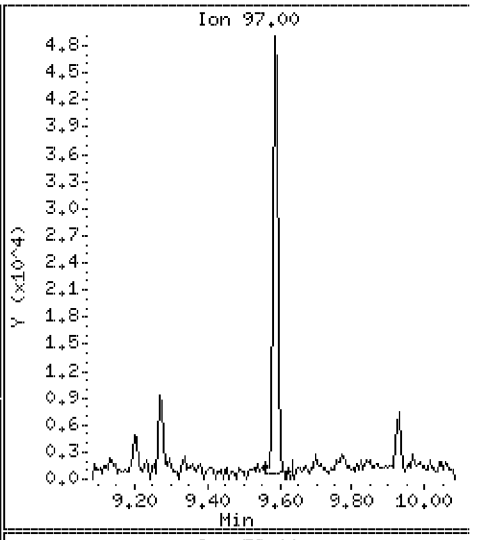
Column phase: HPMS-5

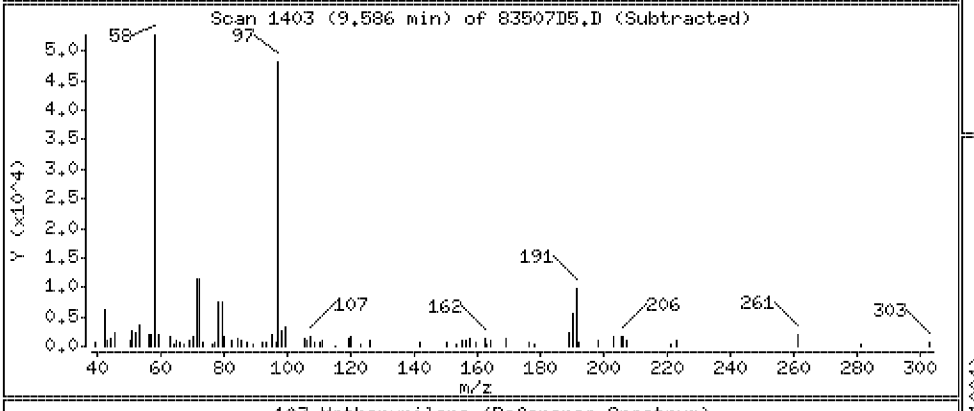
Column diameter: 0.25

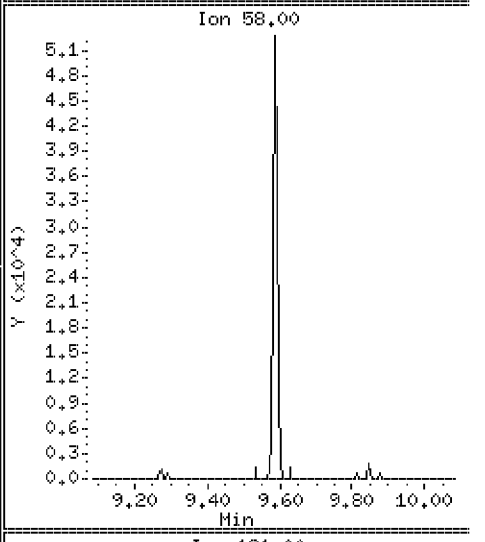
107 Methapyrilene

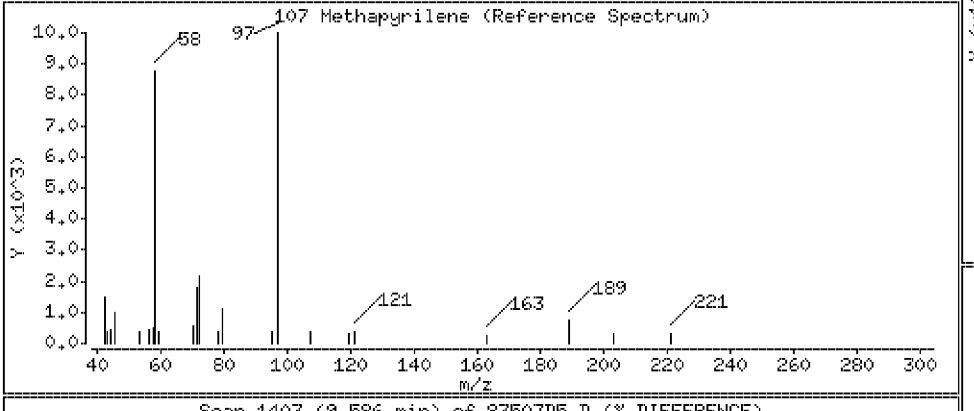
Concentration: 30600 ug/kg

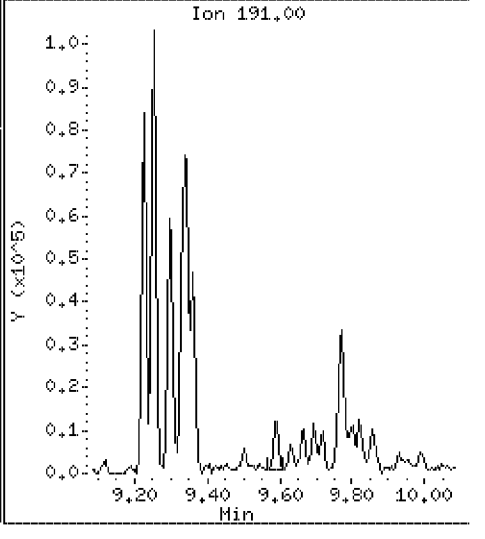


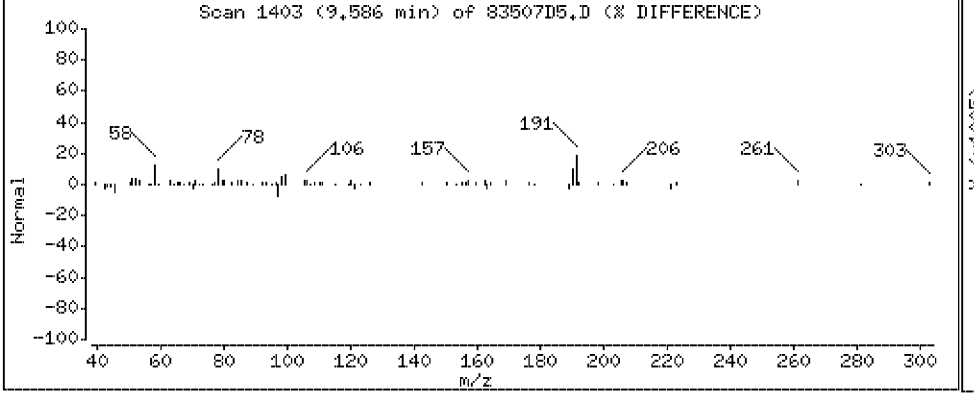












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

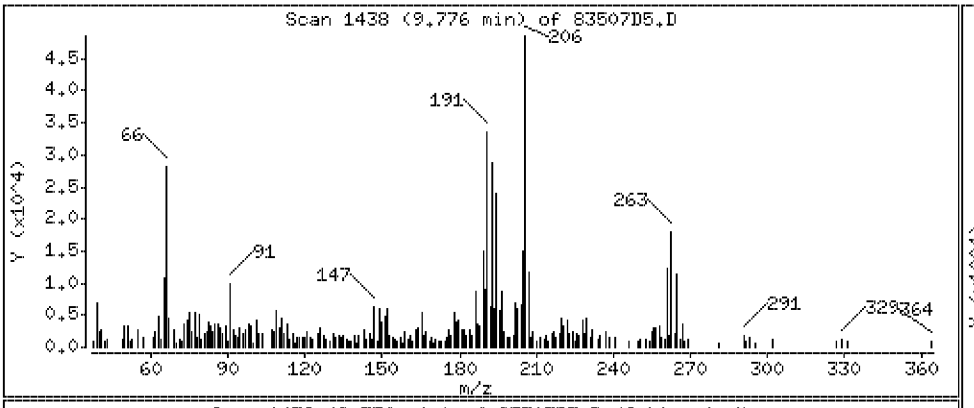
Operator: PEL

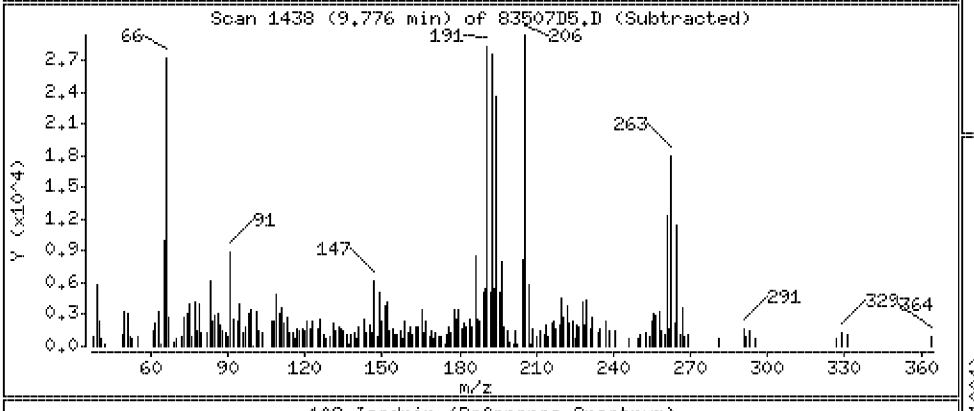
Column phase: HPMS-5

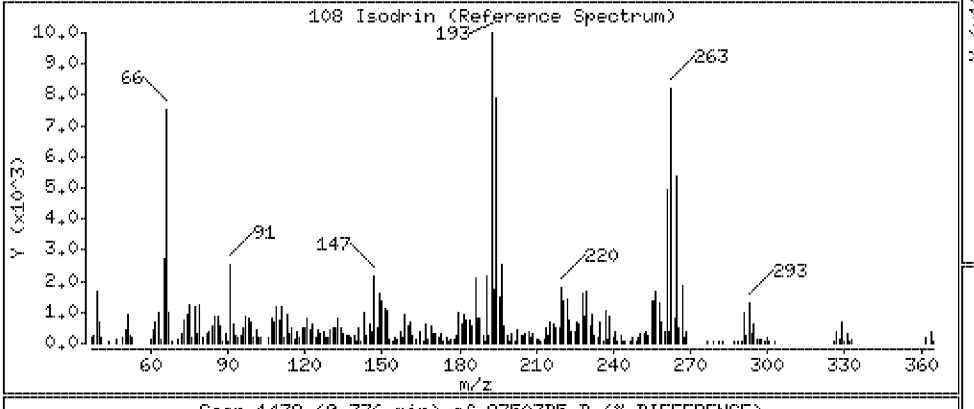
Column diameter: 0.25

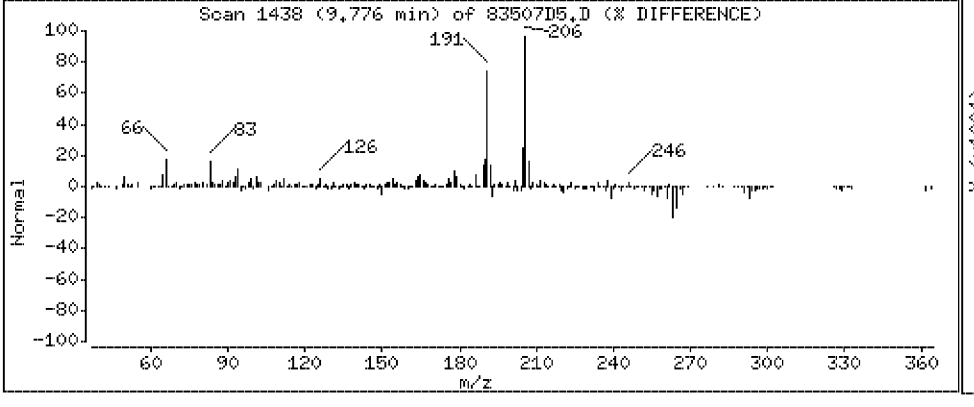
108 Isodrin

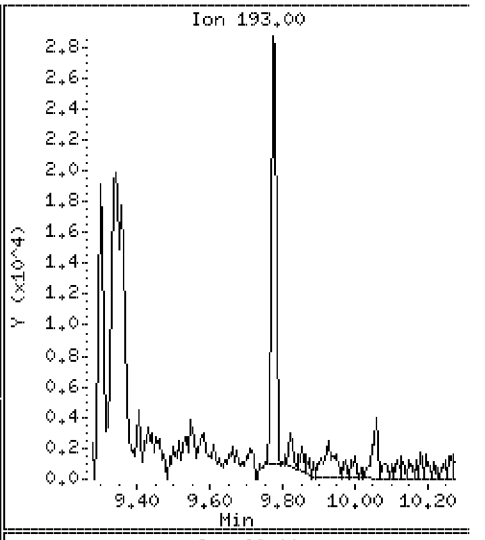
Concentration: 2020 ug/kg

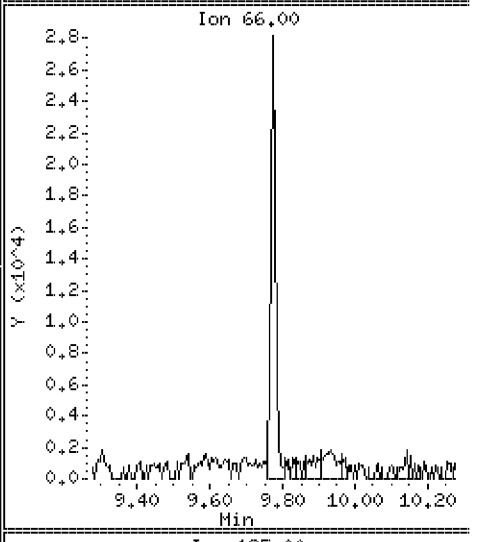


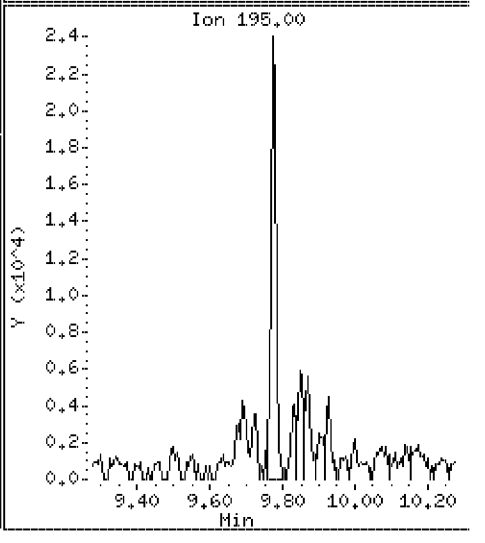












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

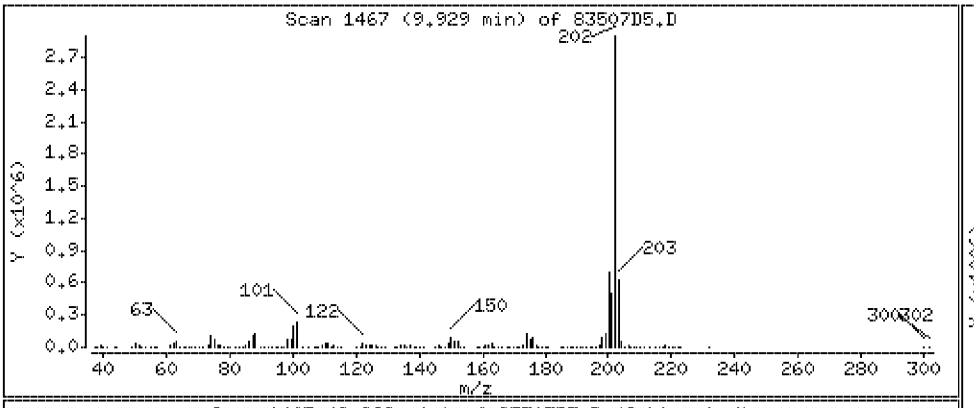
Operator: PEL

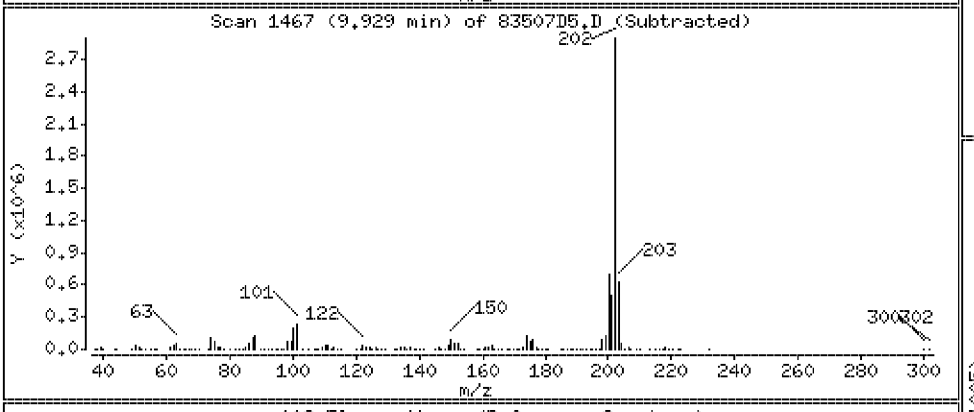
Column phase: HPMS-5

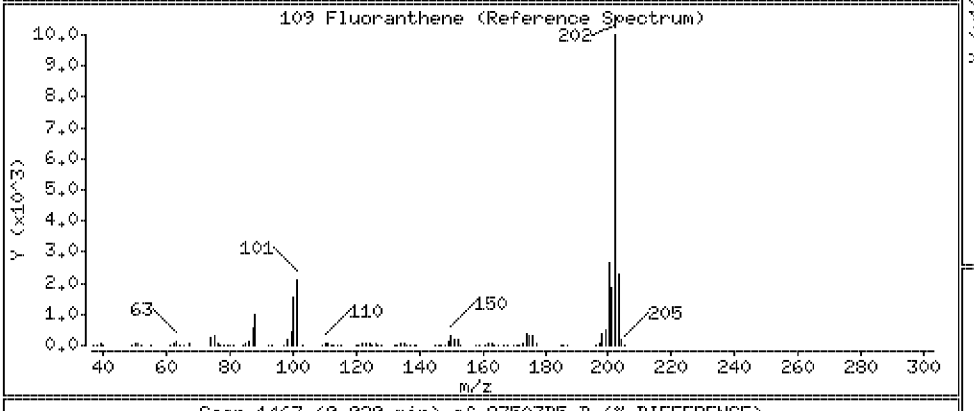
Column diameter: 0.25

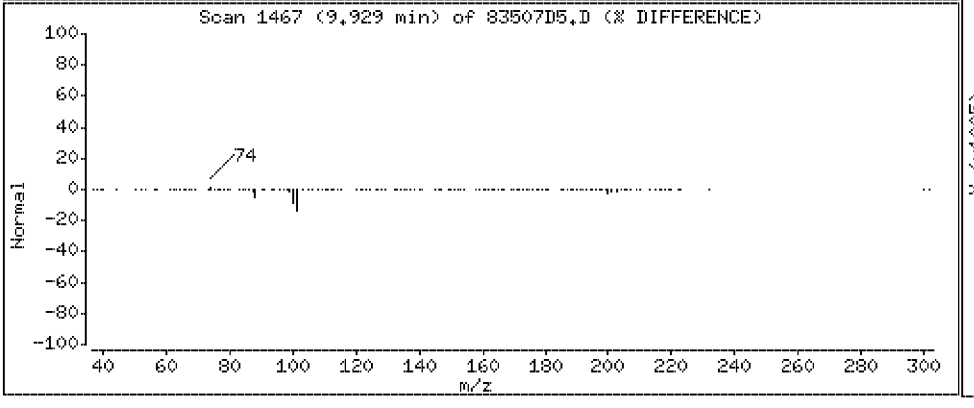
109 Fluoranthene

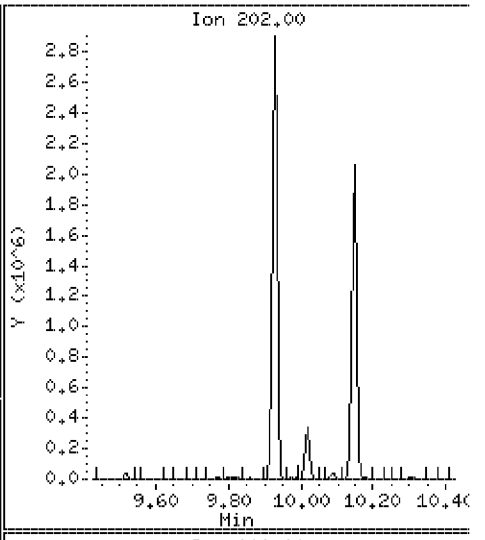
Concentration: 21700 ug/kg

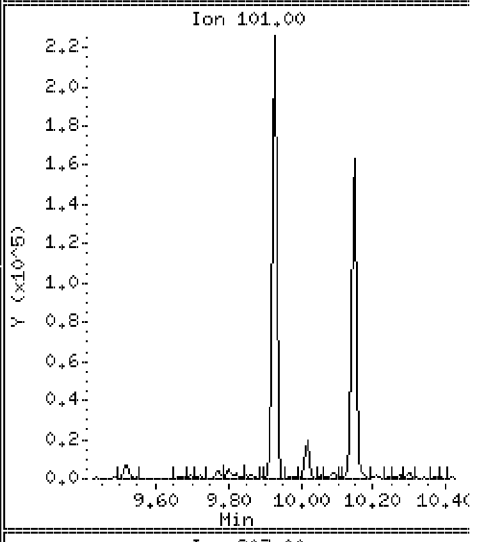


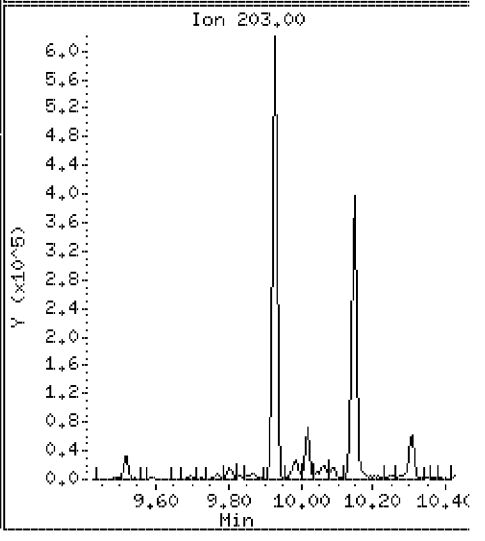












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

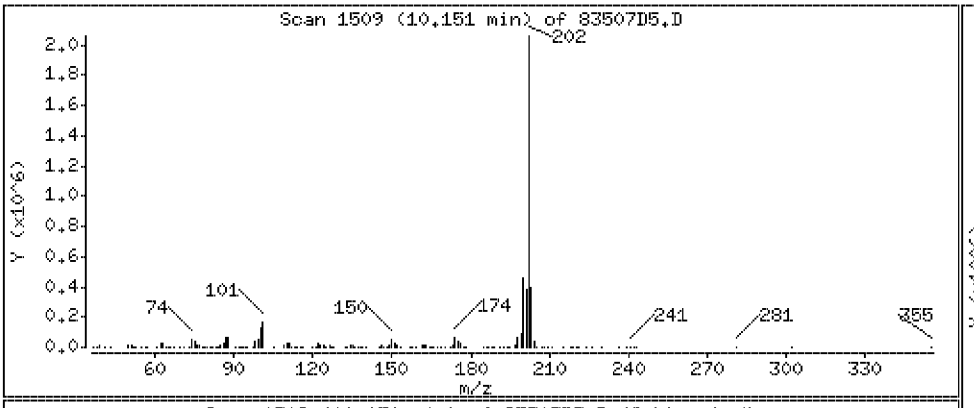
Operator: PEL

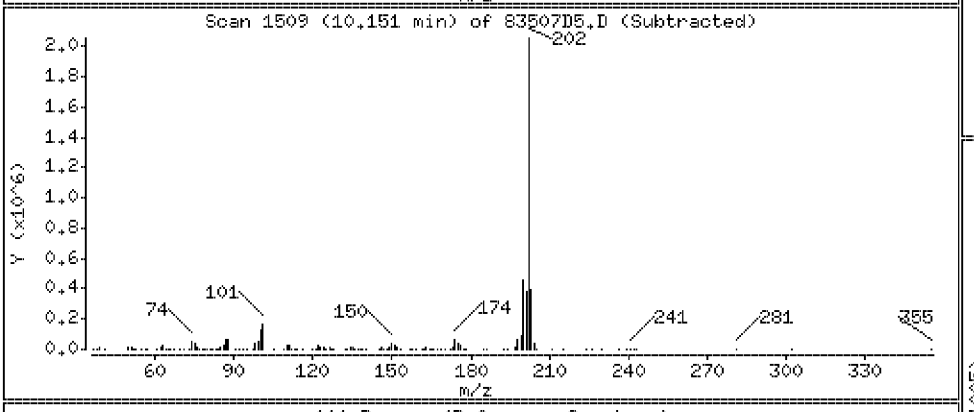
Column phase: HPMS-5

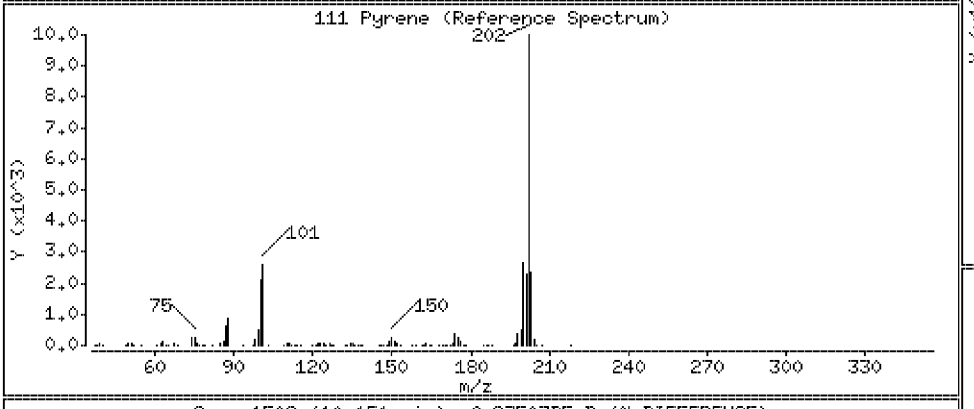
Column diameter: 0.25

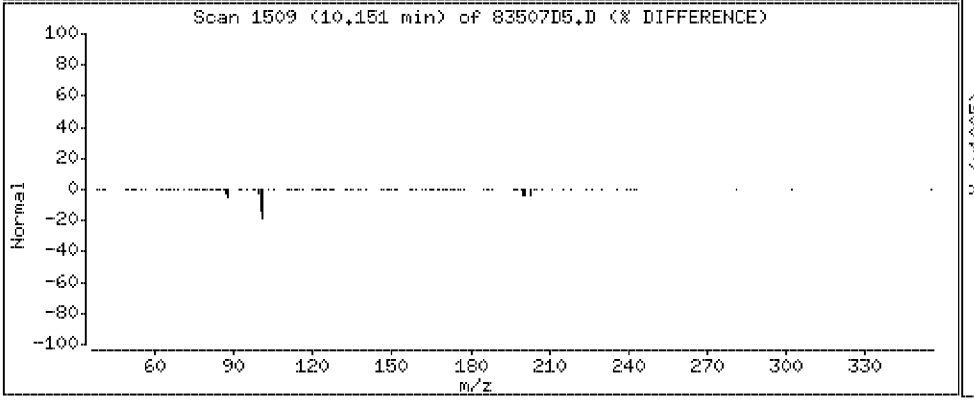
111 Pyrene

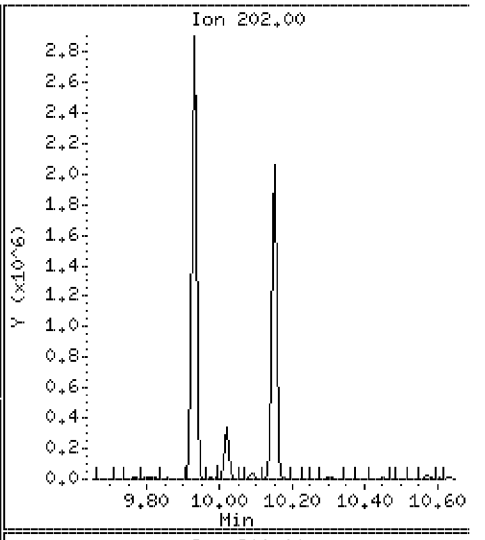
Concentration: 15800 ug/kg

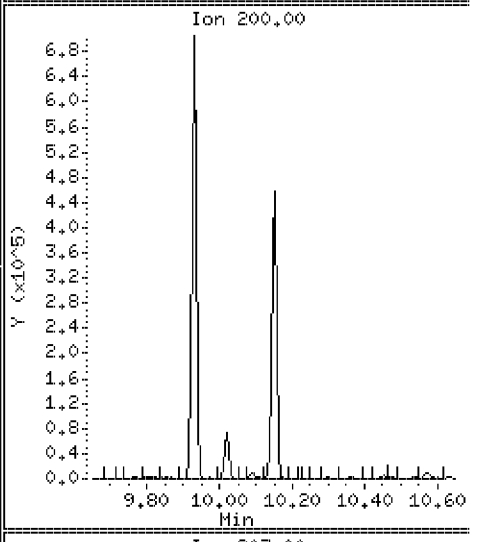


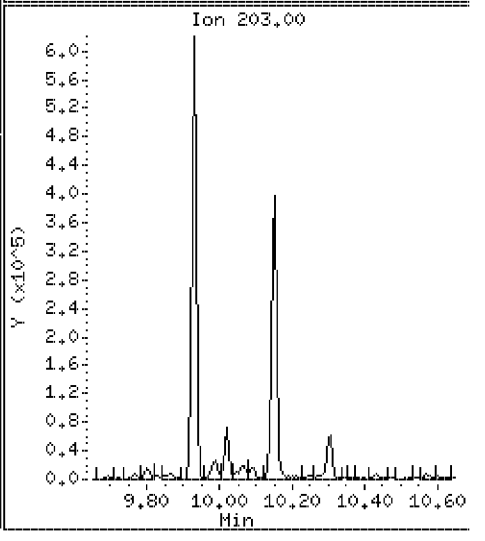












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

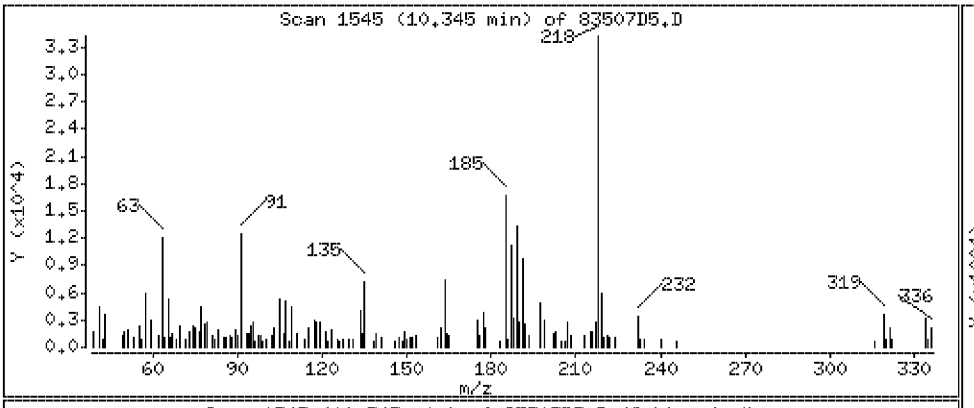
Operator: PEL

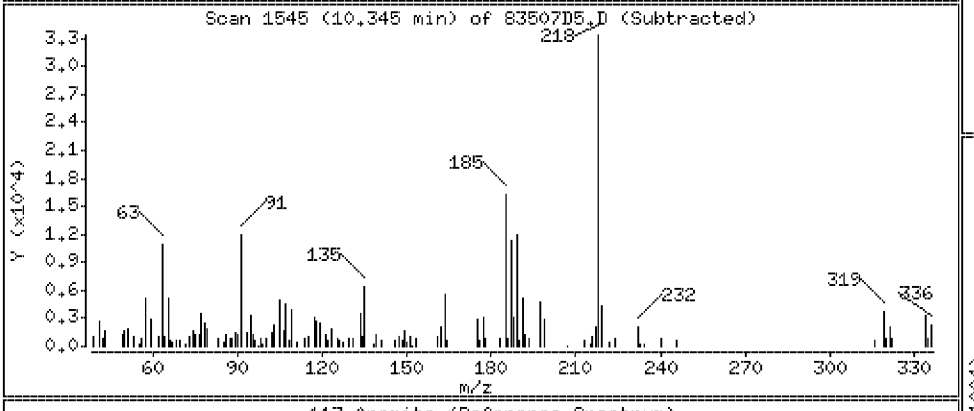
Column phase: HPMS-5

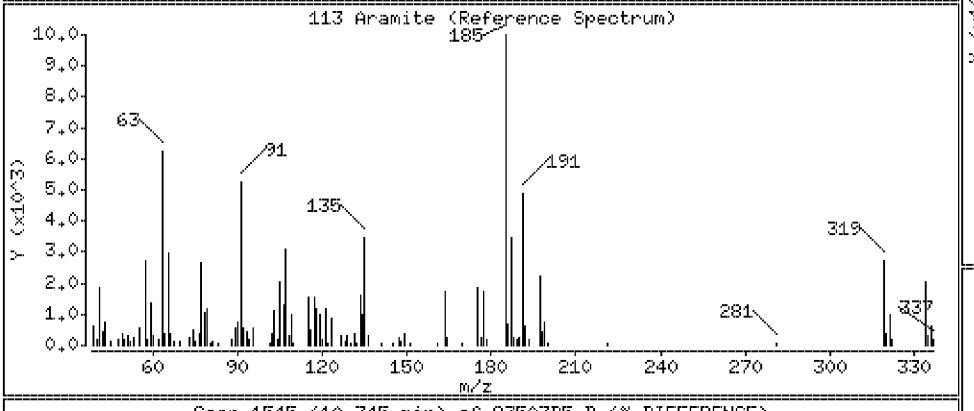
Column diameter: 0.25

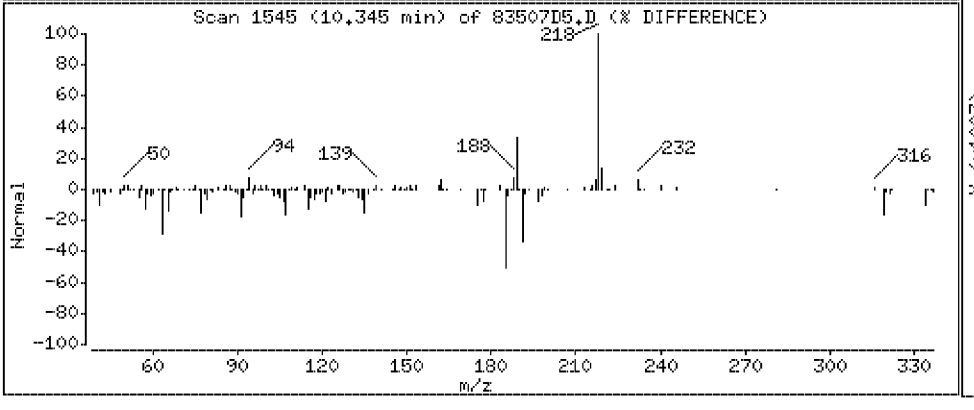
113 Aramite

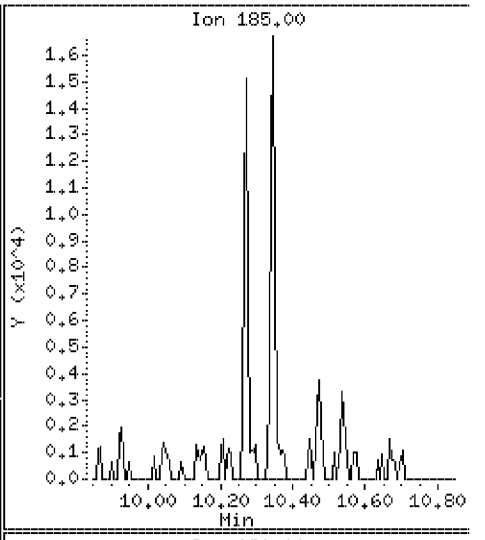
Concentration: 1850 ug/kg

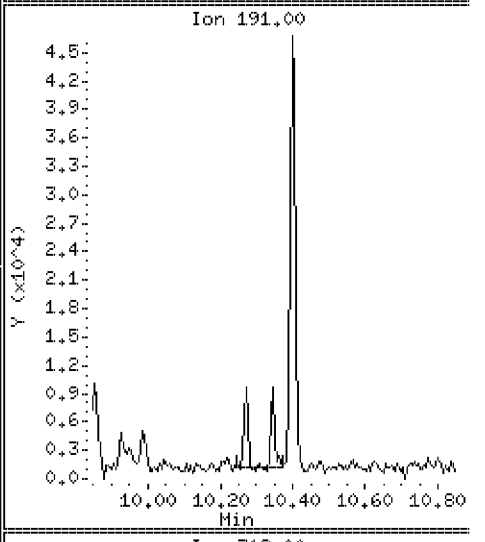


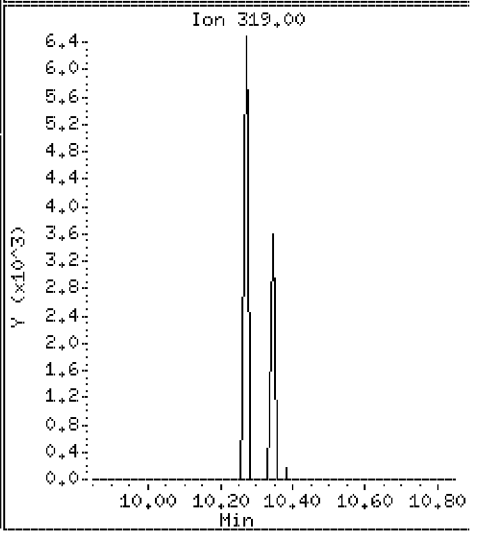












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

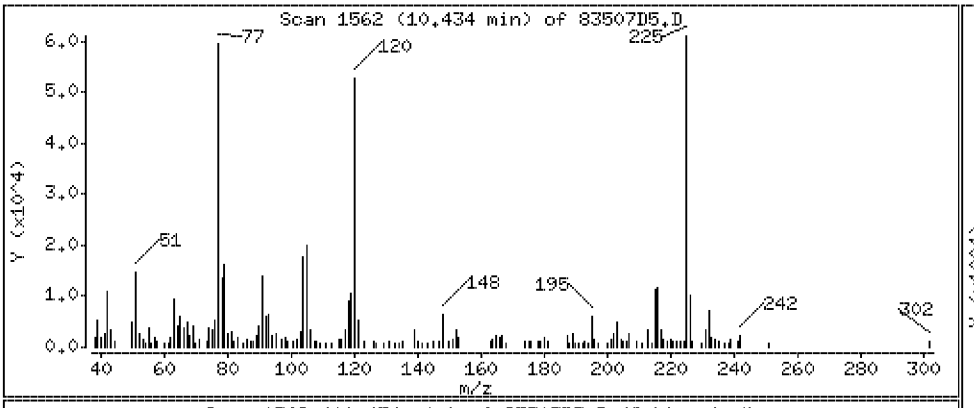
Operator: PEL

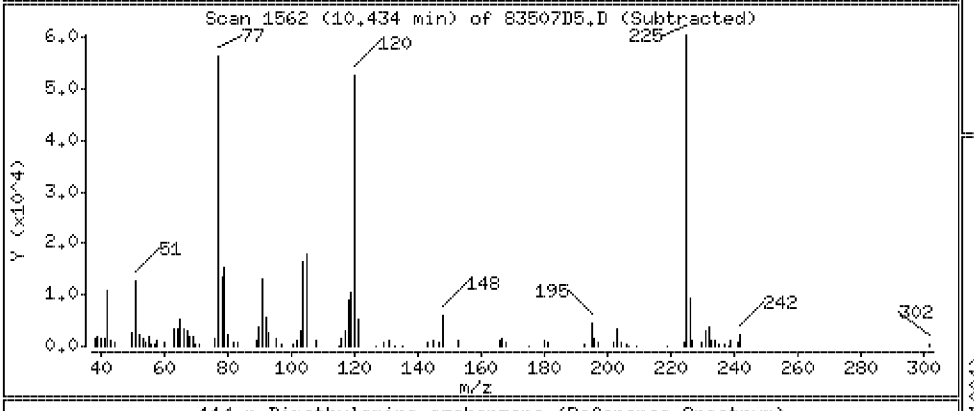
Column phase: HPMS-5

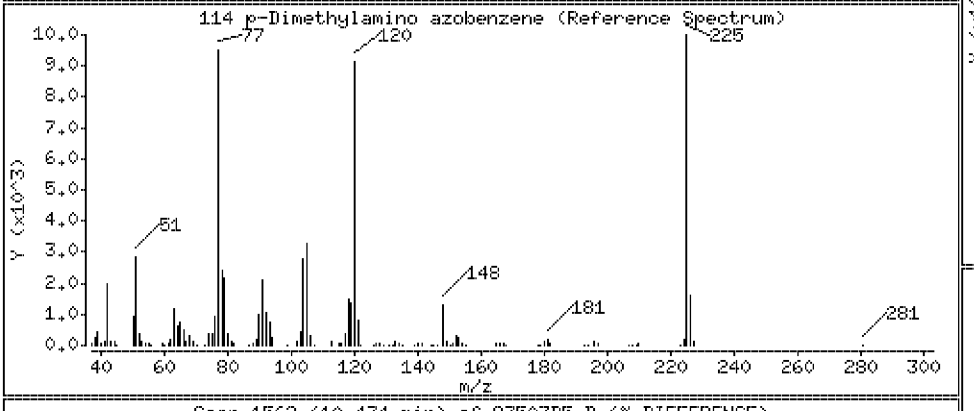
Column diameter: 0.25

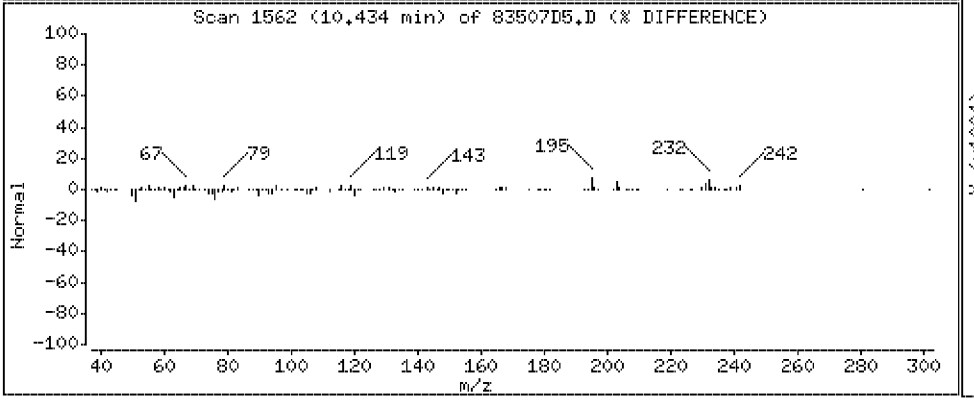
114 p-Dimethylamino azobenzene

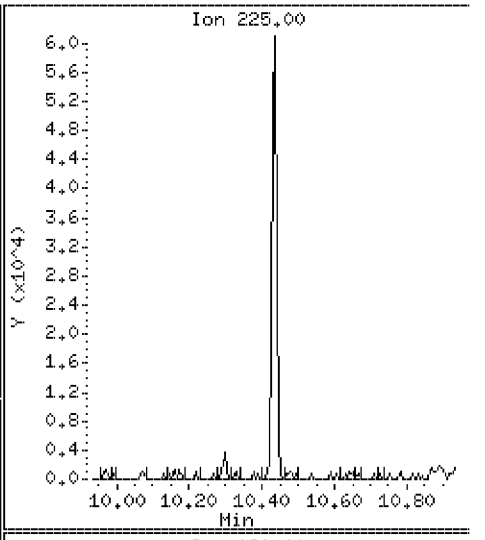
Concentration: 1500 ug/kg

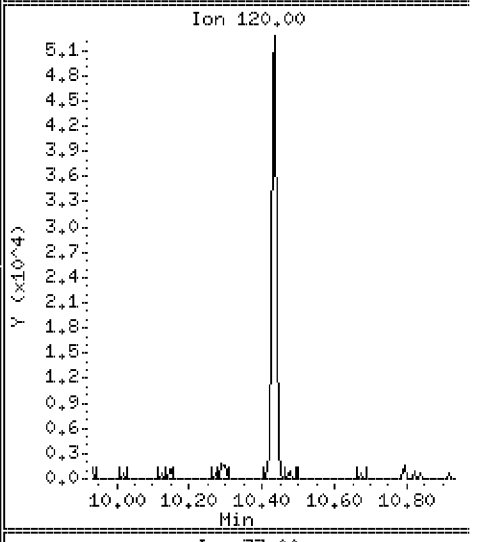


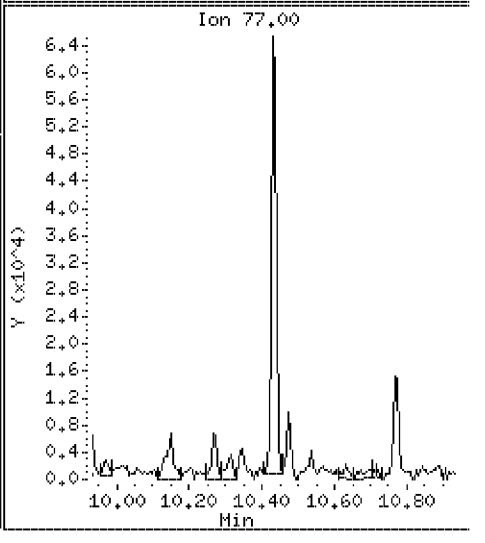












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

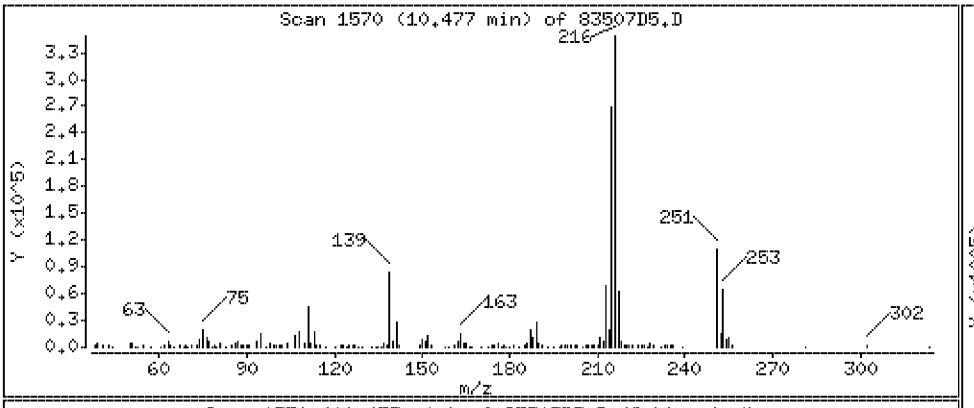
Operator: PEL

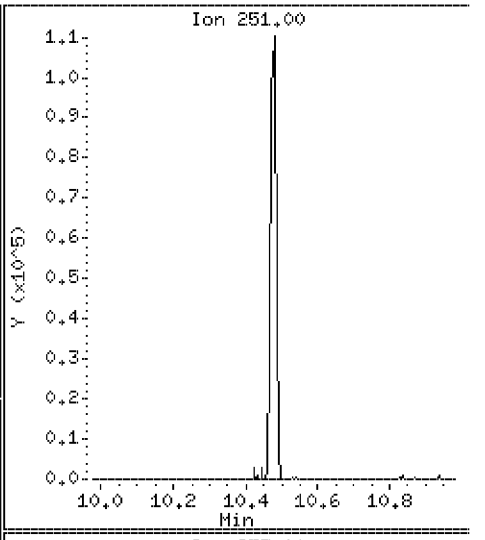
Column phase: HPMS-5

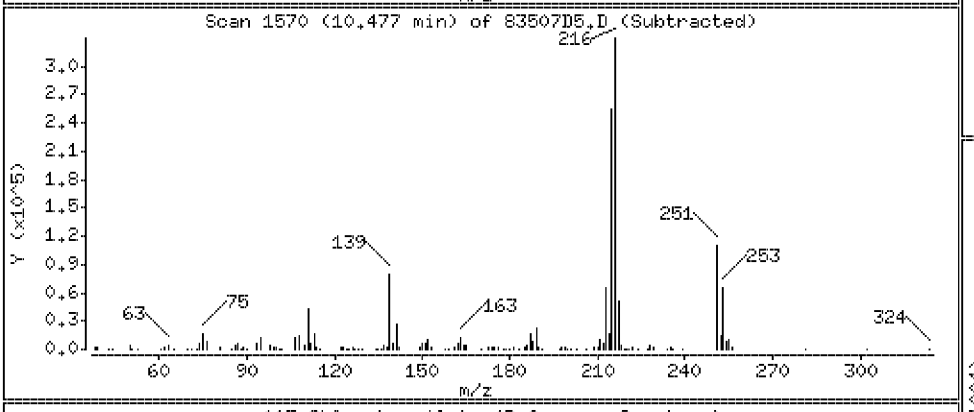
Column diameter: 0.25

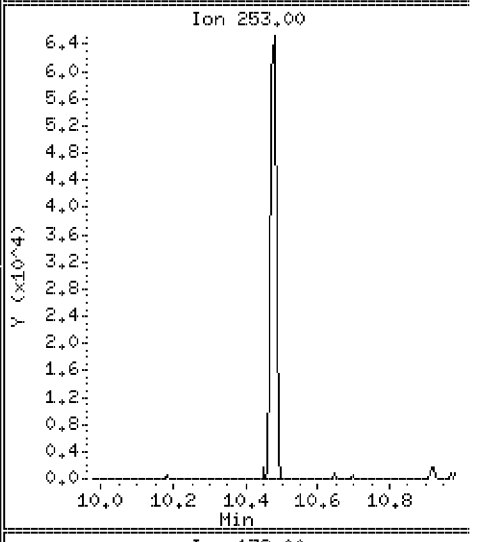
115 Chlorobenzilate

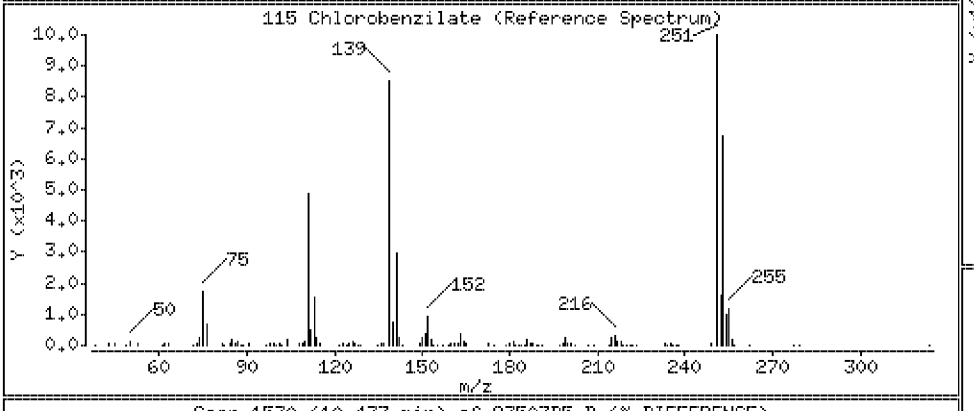
Concentration: 1660 ug/kg

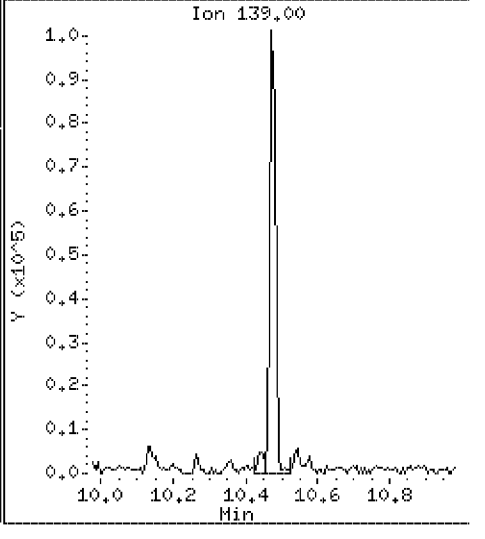


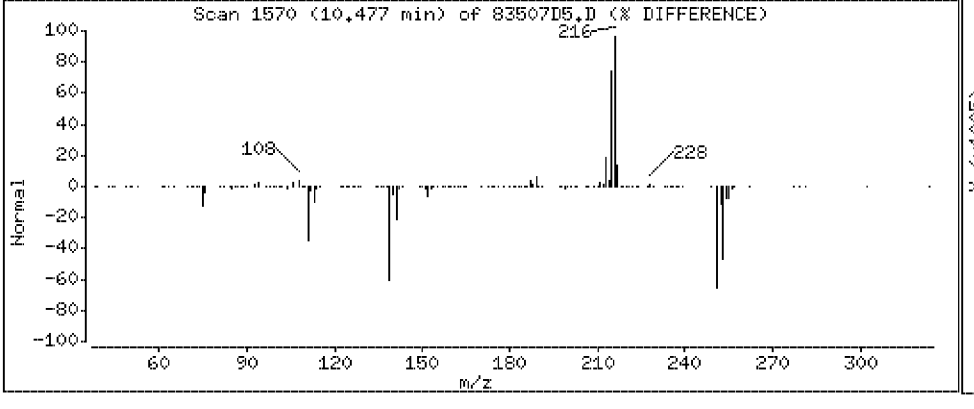












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

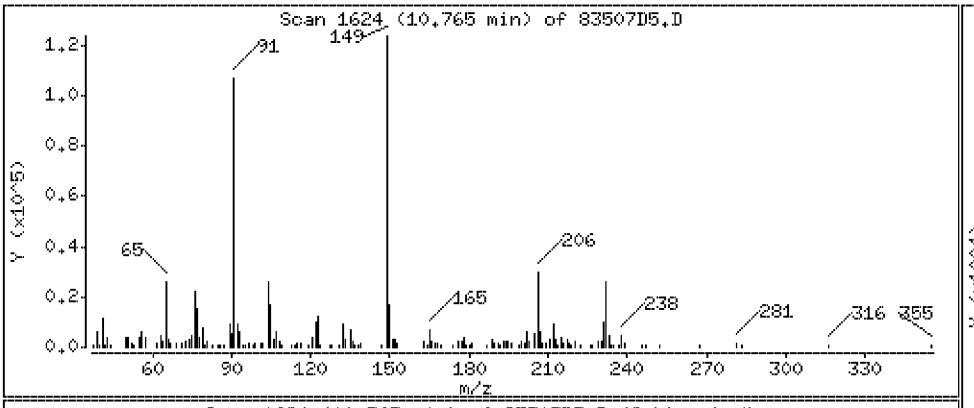
Operator: PEL

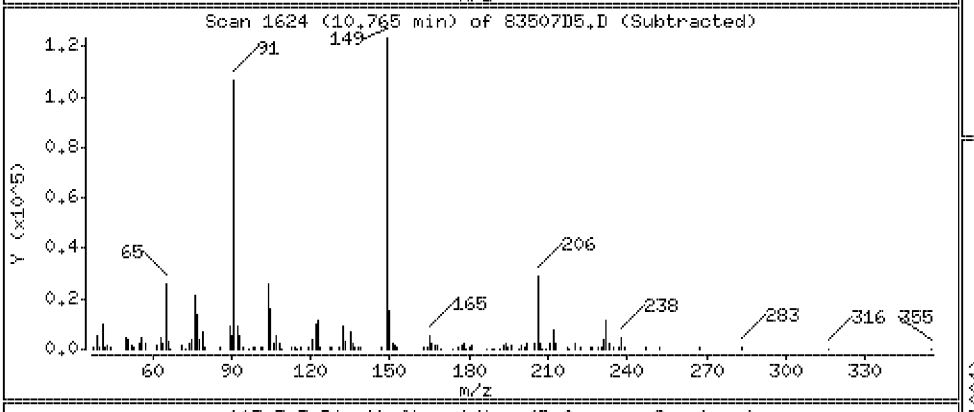
Column phase: HPMS-5

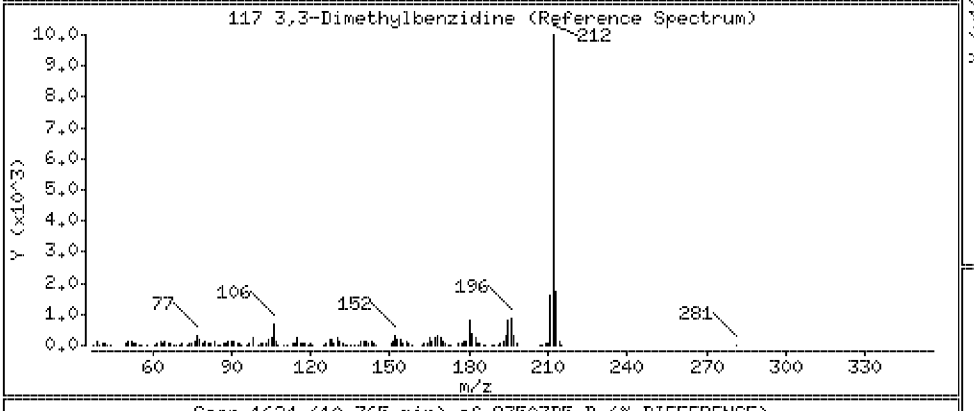
Column diameter: 0.25

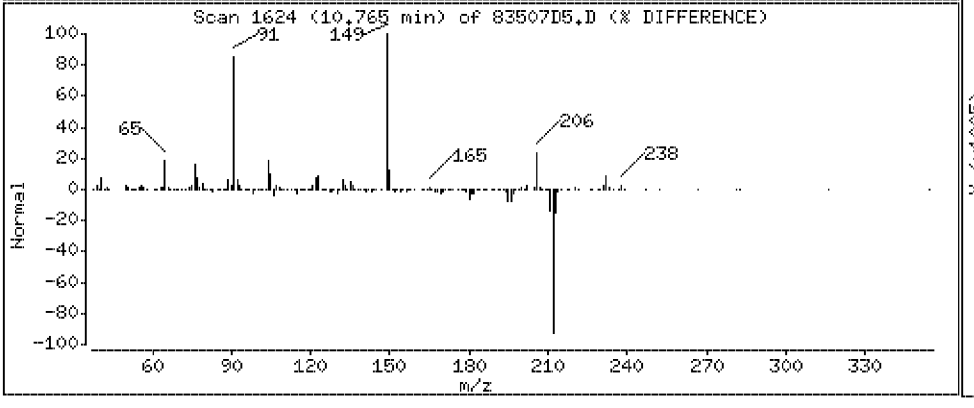
117 3,3-Dimethylbenzidine

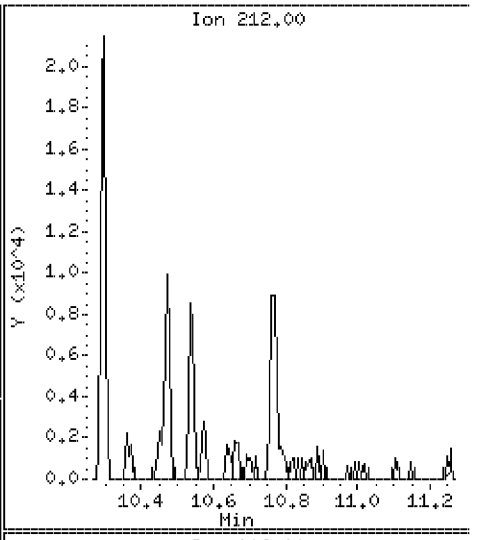
Concentration: 94.5 ug/kg

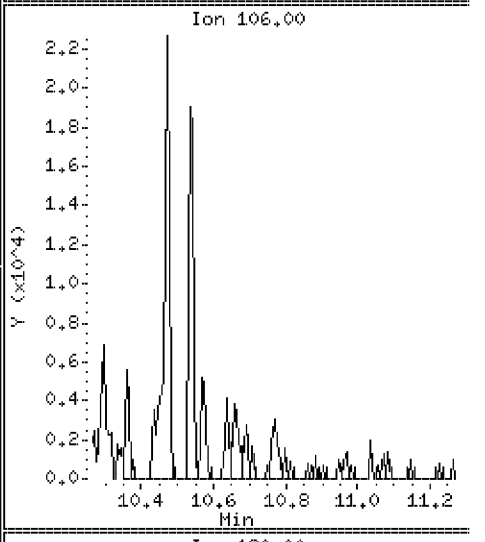


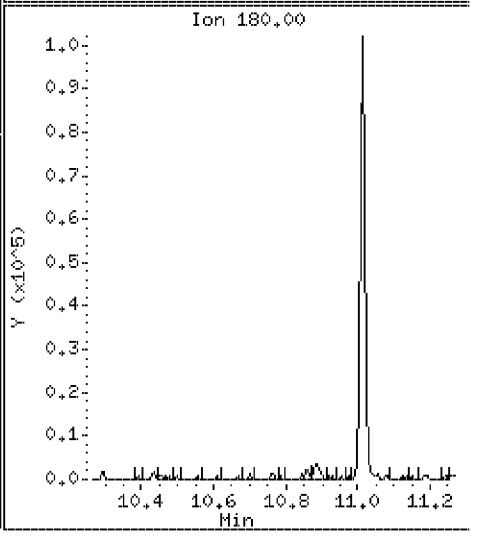












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

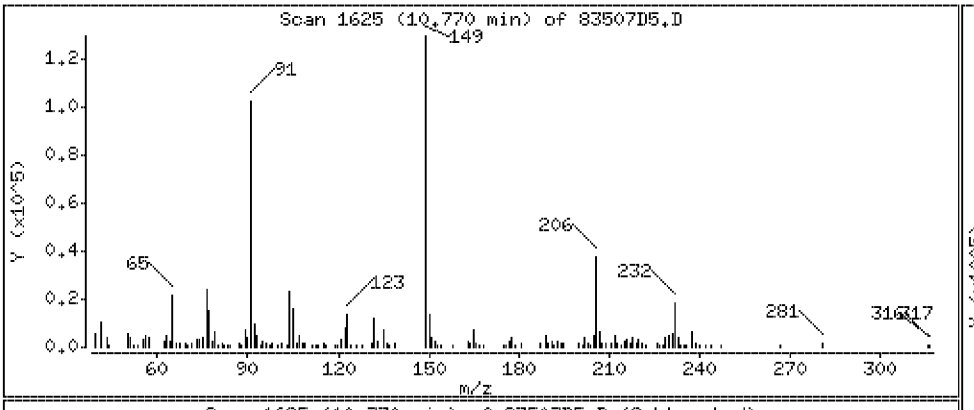
Operator: PEL

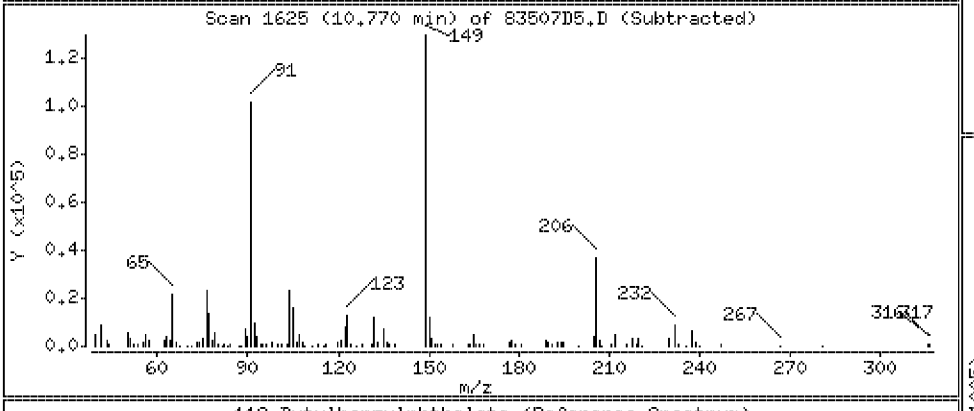
Column phase: HPMS-5

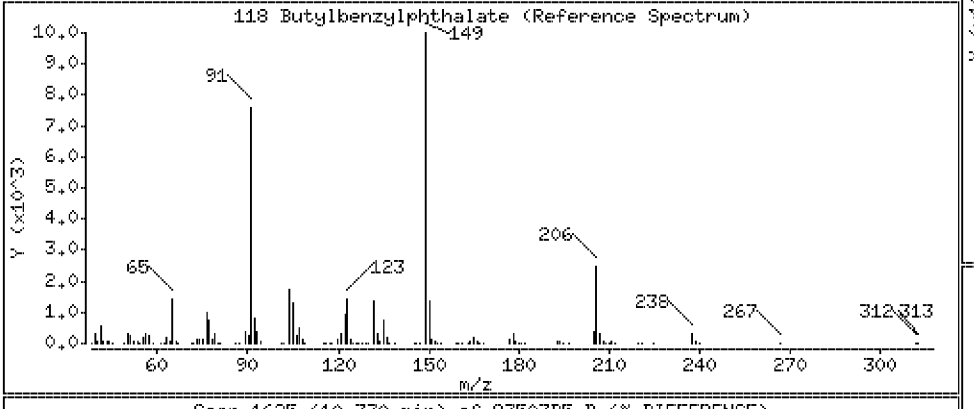
Column diameter: 0.25

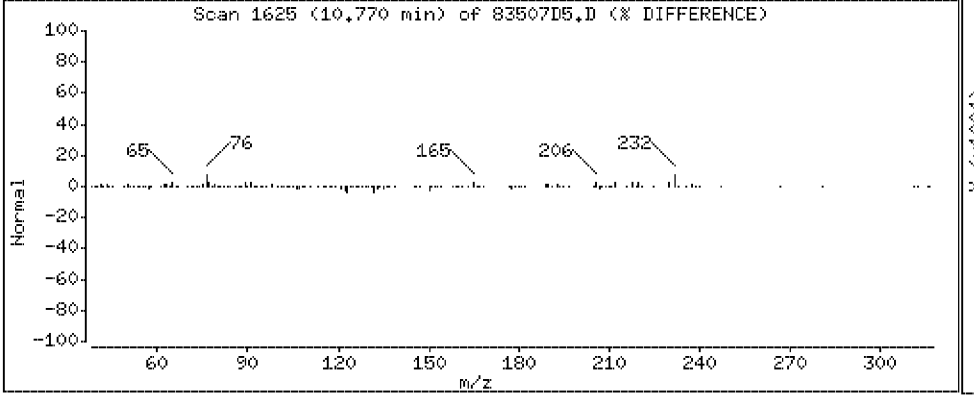
118 Butylbenzylphthalate

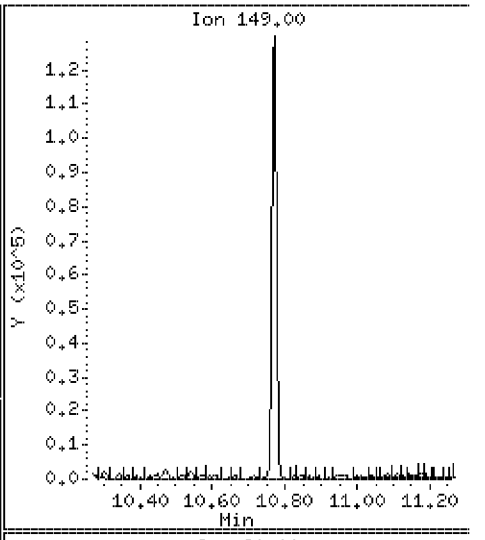
Concentration: 1980 ug/kg

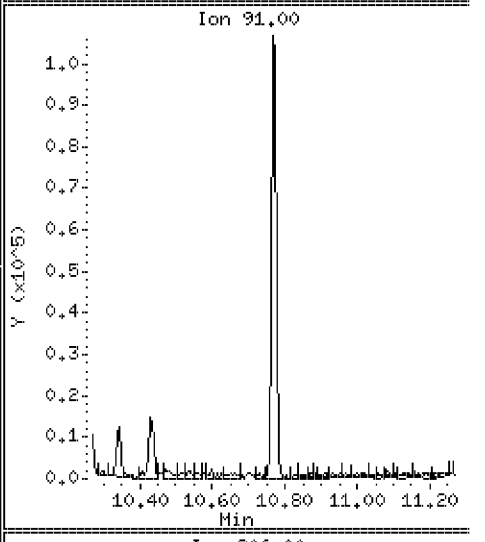


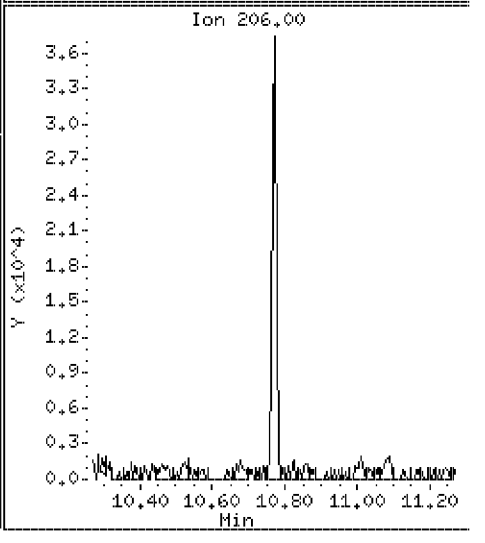












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

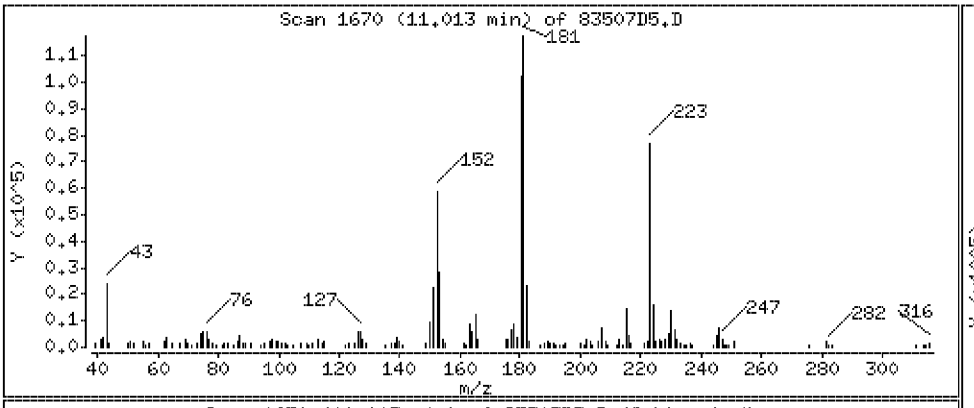
Operator: PEL

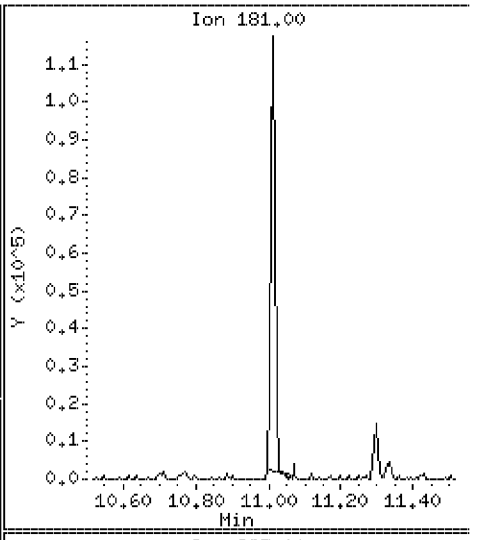
Column phase: HPMS-5

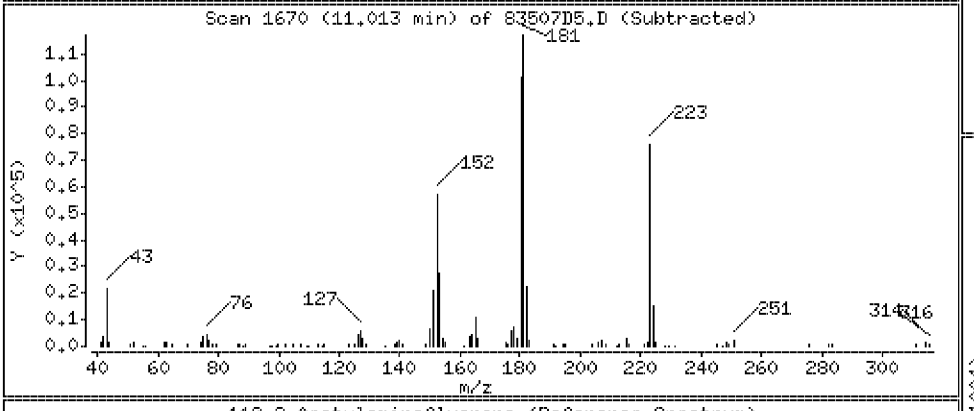
Column diameter: 0.25

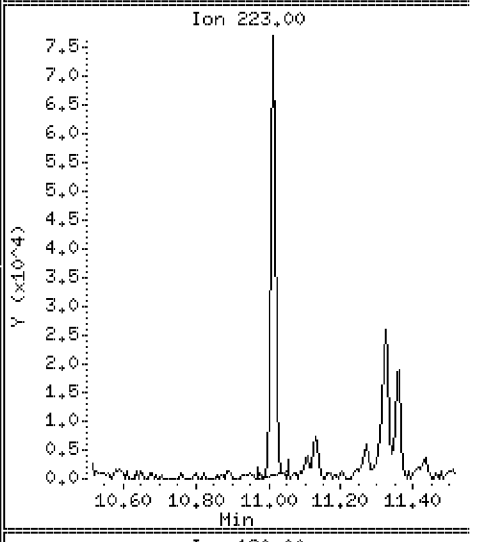
119 2-Acetylaminofluorene

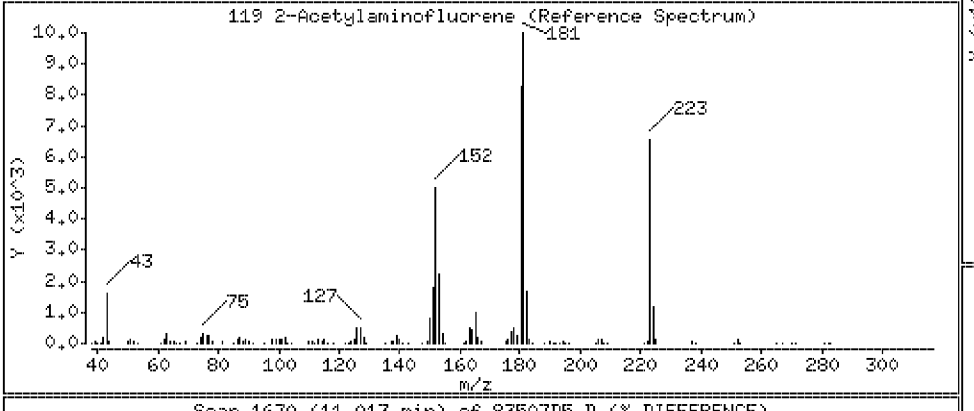
Concentration: 1530 ug/kg

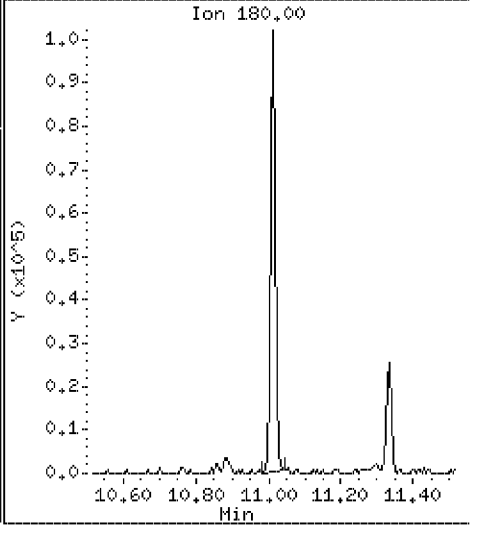


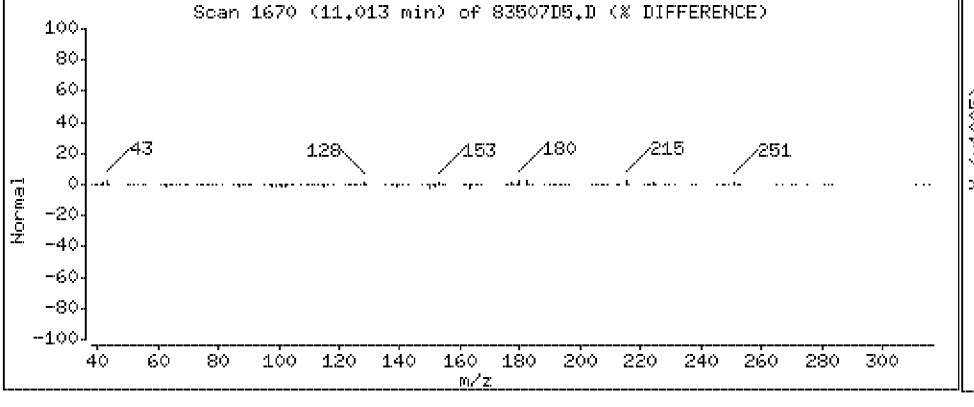












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

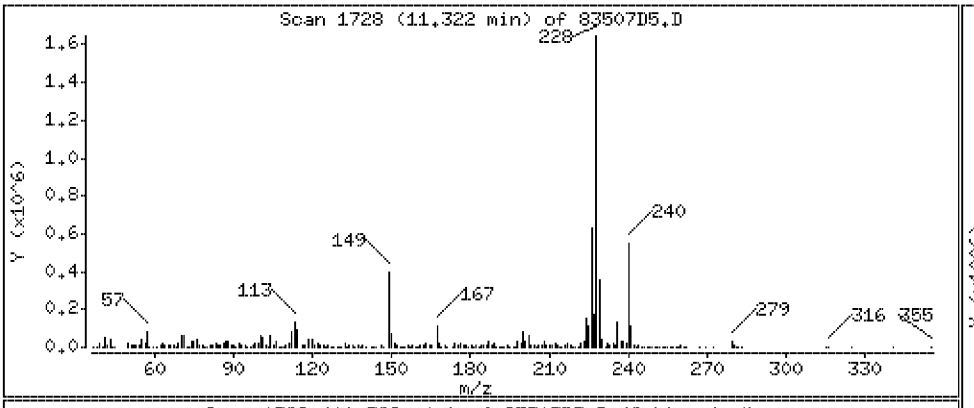
Operator: PEL

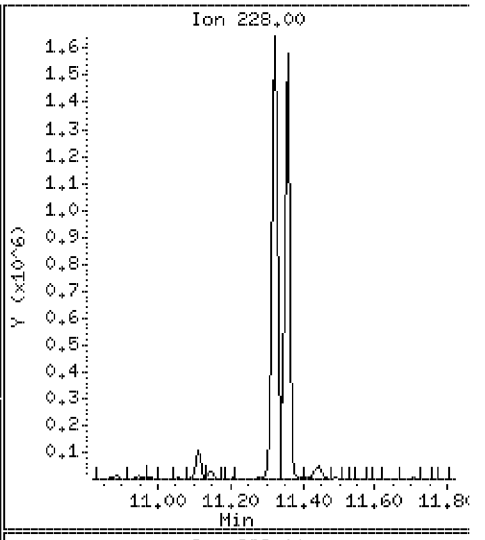
Column phase: HPMS-5

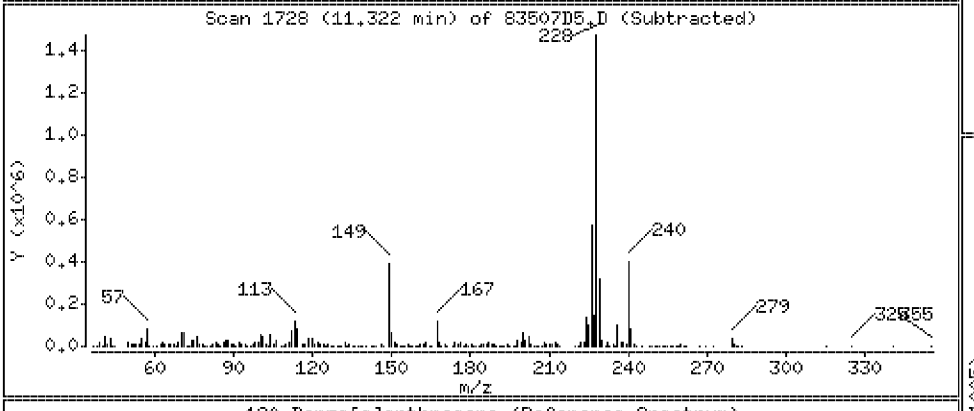
Column diameter: 0.25

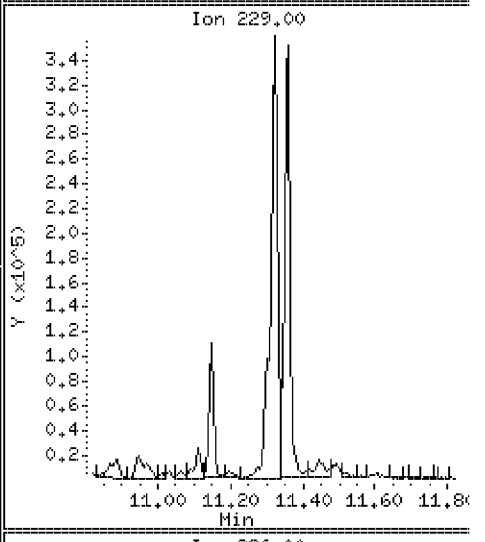
120 Benzo[a]anthracene

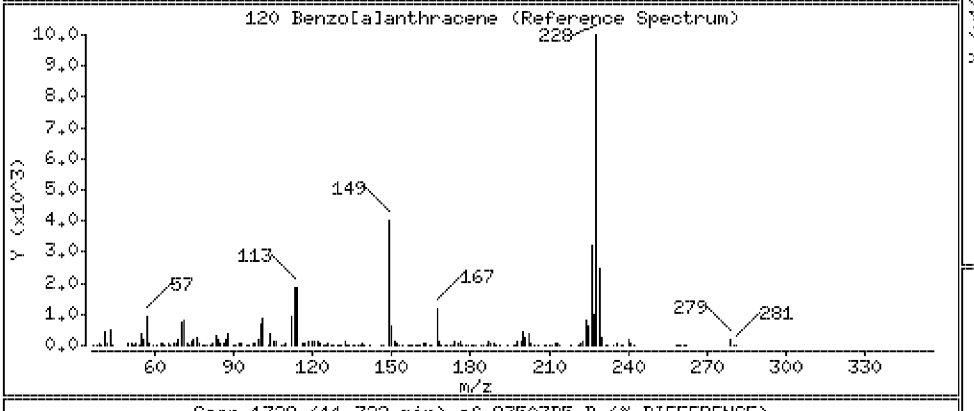
Concentration: 11600 ug/kg

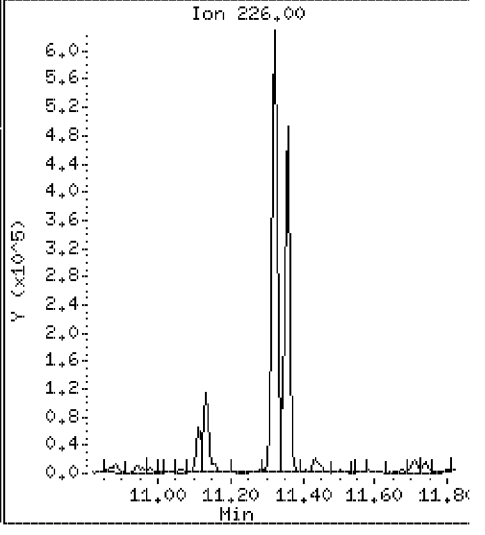


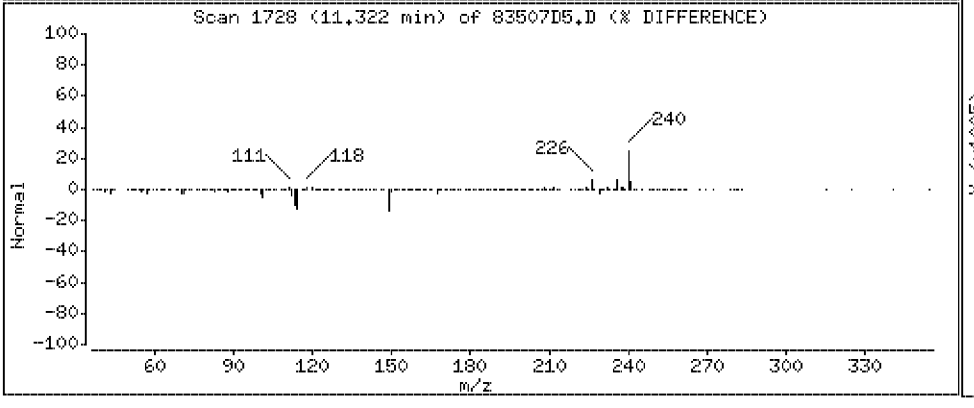












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

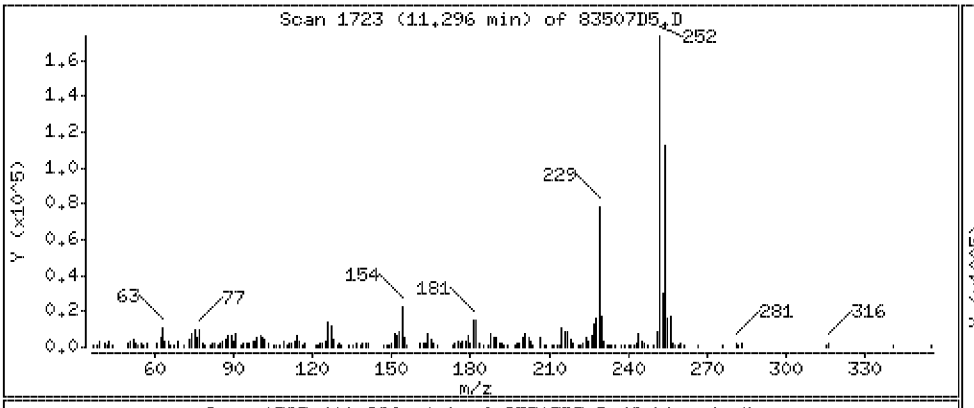
Operator: PEL

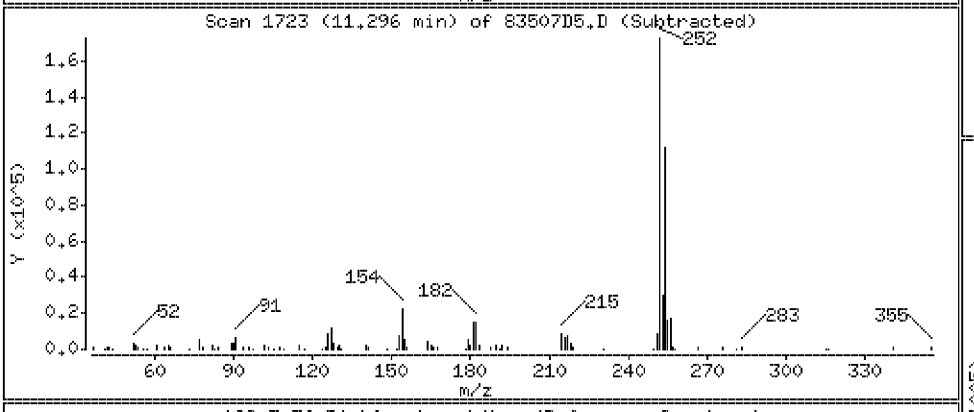
Column phase: HPMS-5

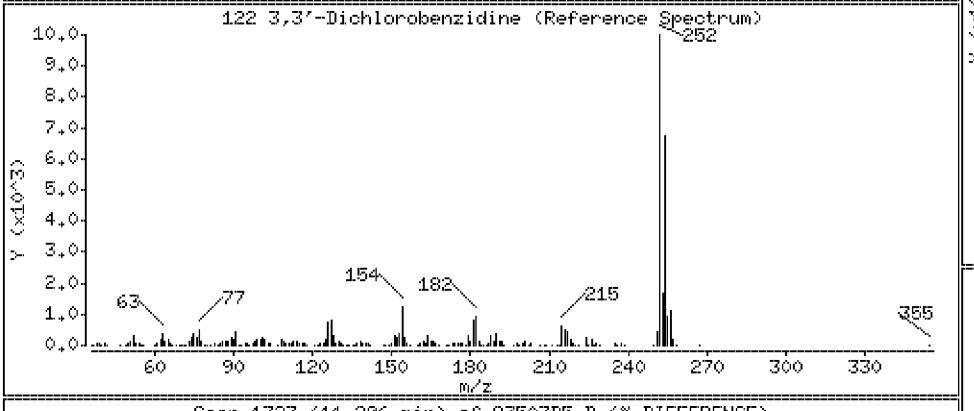
Column diameter: 0.25

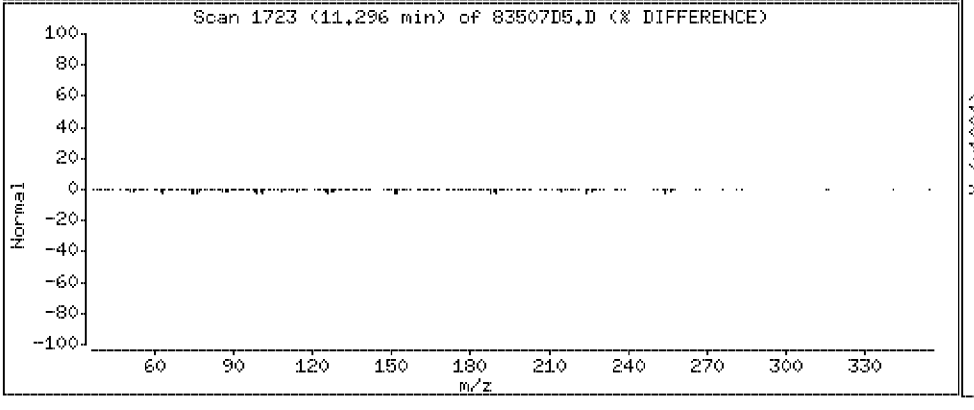
122 3,3'-Dichlorobenzidine

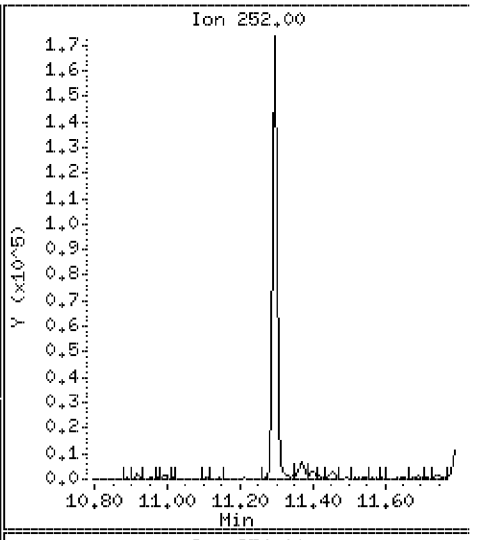
Concentration: 2120 ug/kg

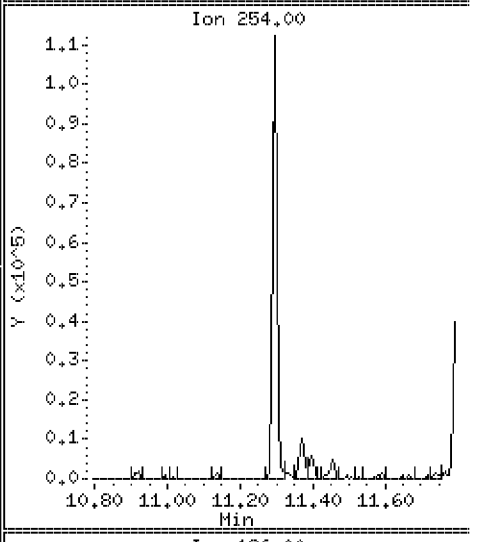


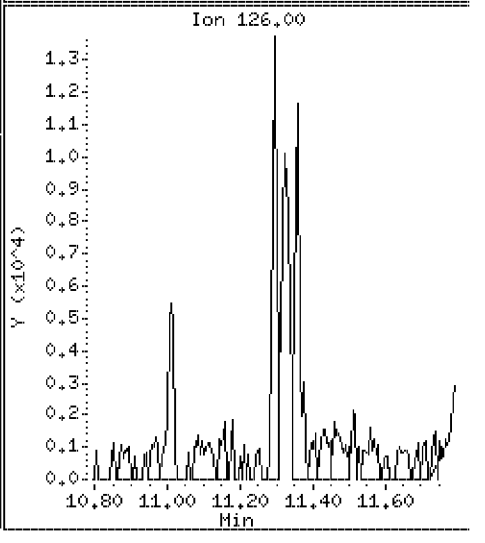












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

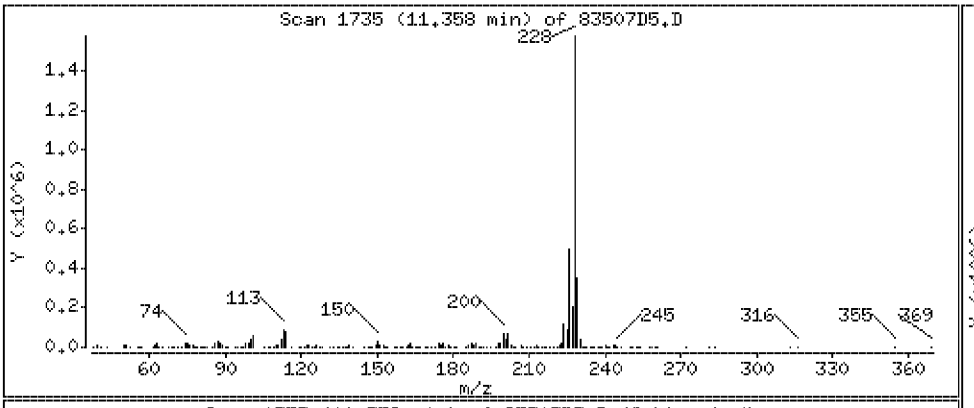
Operator: PEL

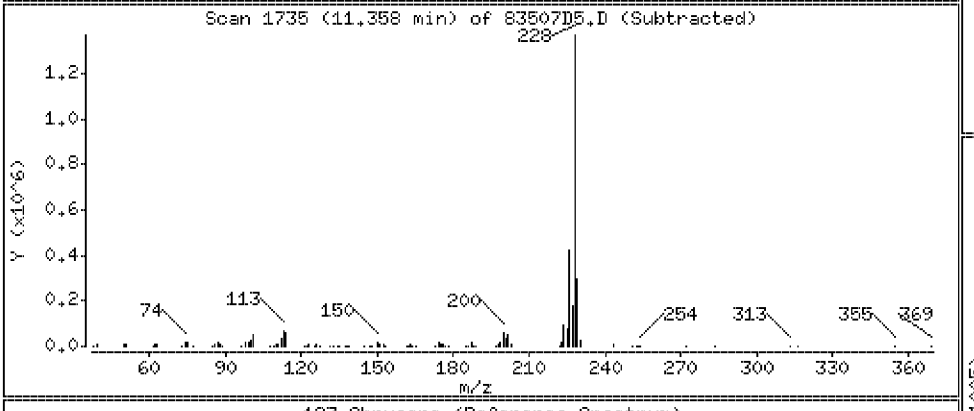
Column phase: HPMS-5

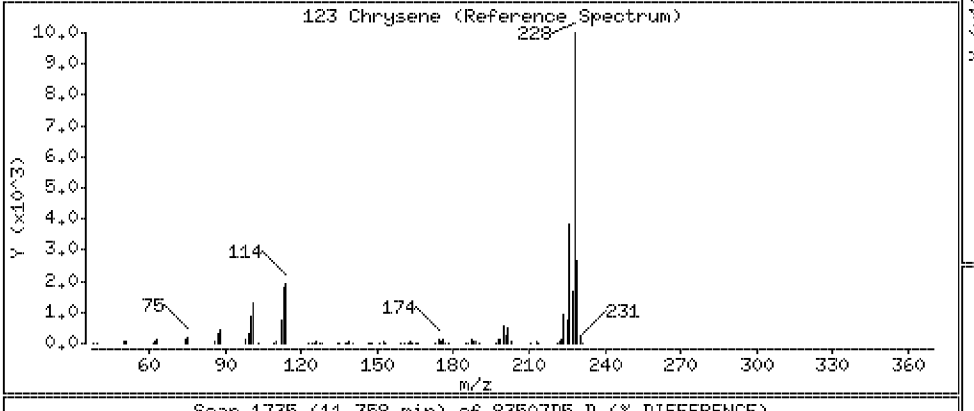
Column diameter: 0.25

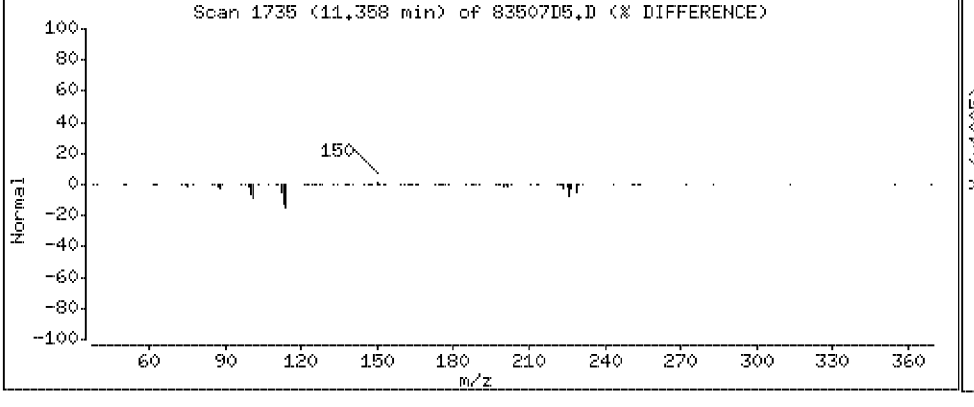
123 Chrysene

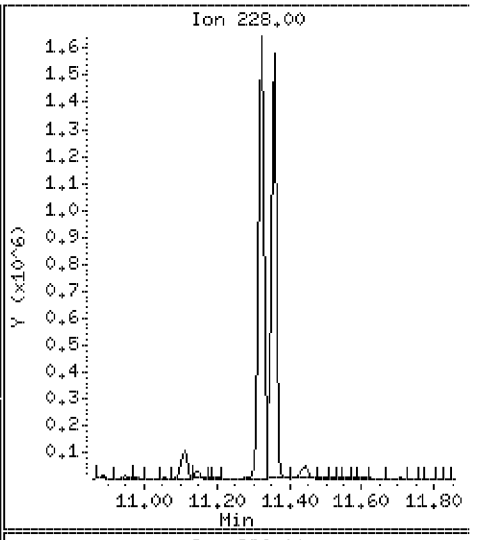
Concentration: 11300 ug/kg

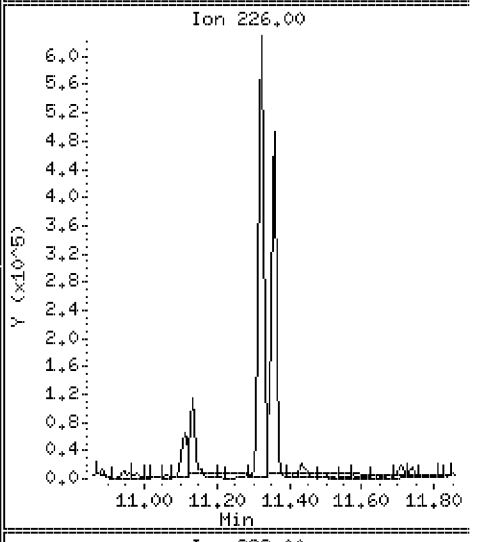


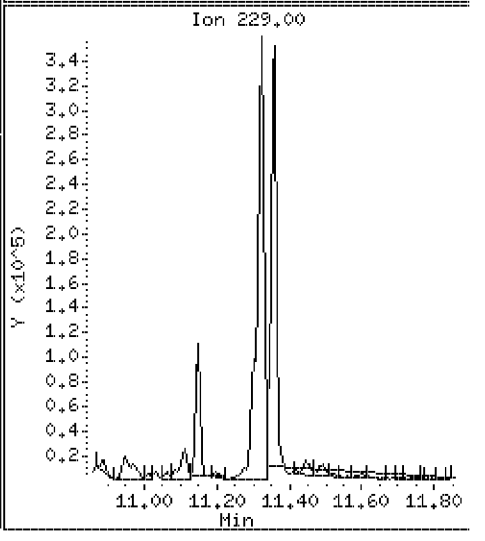












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

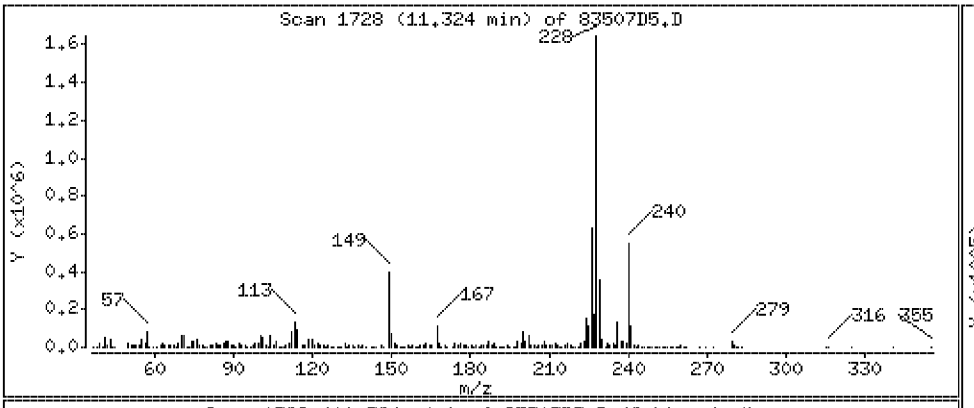
Operator: PEL

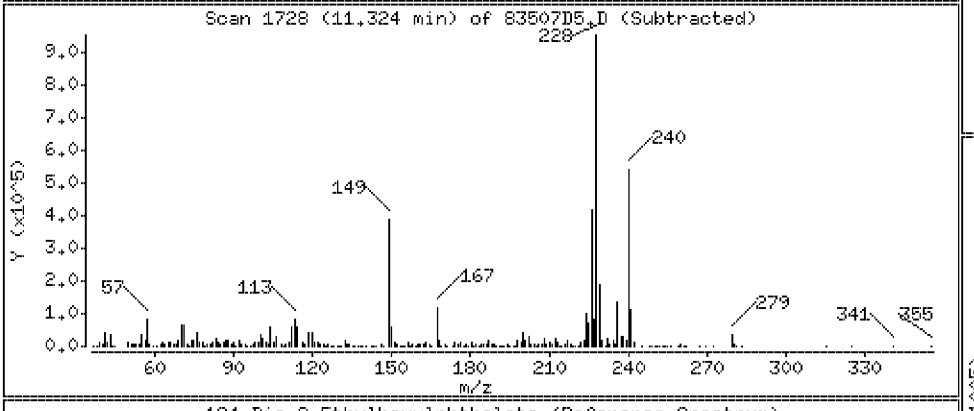
Column phase: HPMS-5

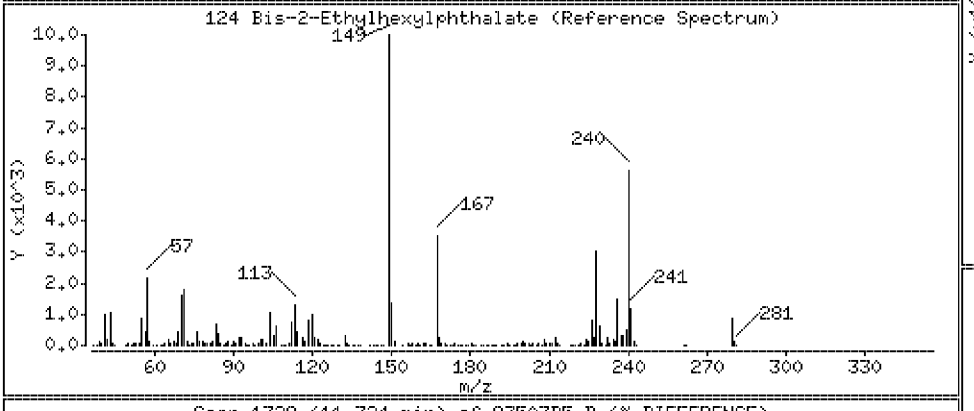
Column diameter: 0.25

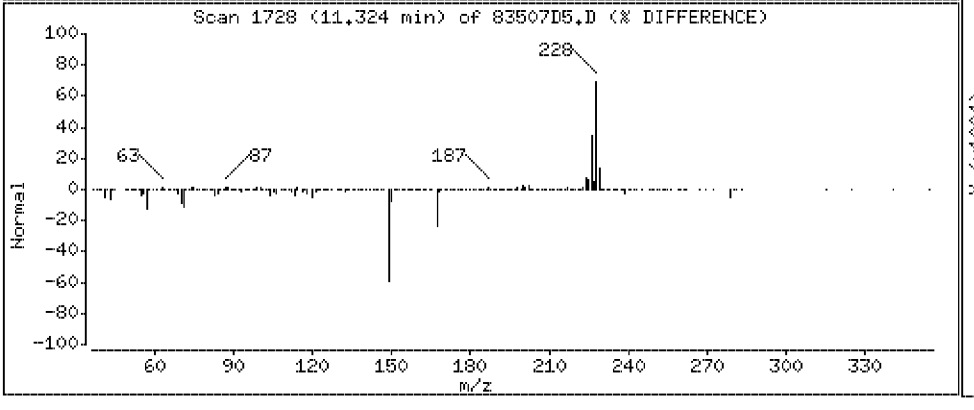
124 Bis-2-Ethylhexylphthalate

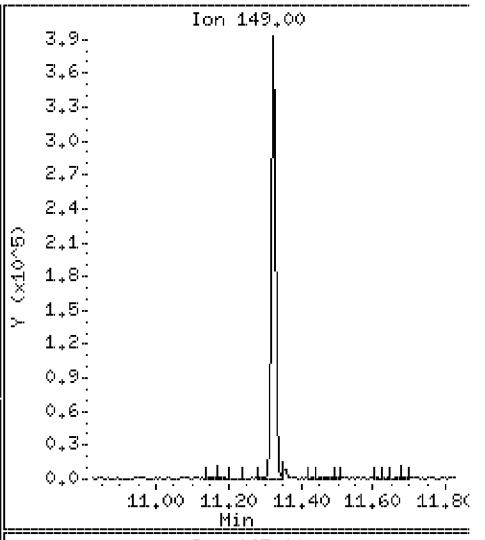
Concentration: 3440 ug/kg

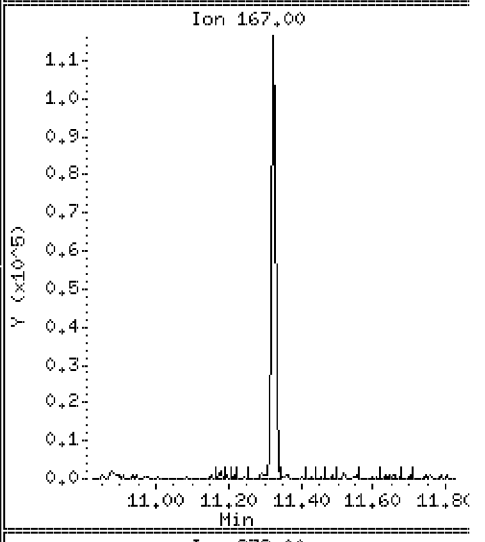


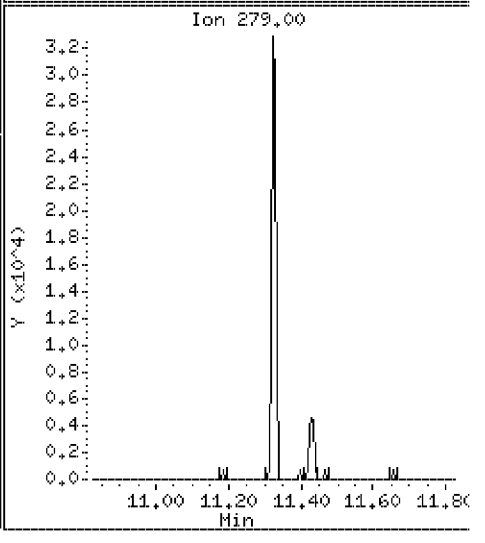












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

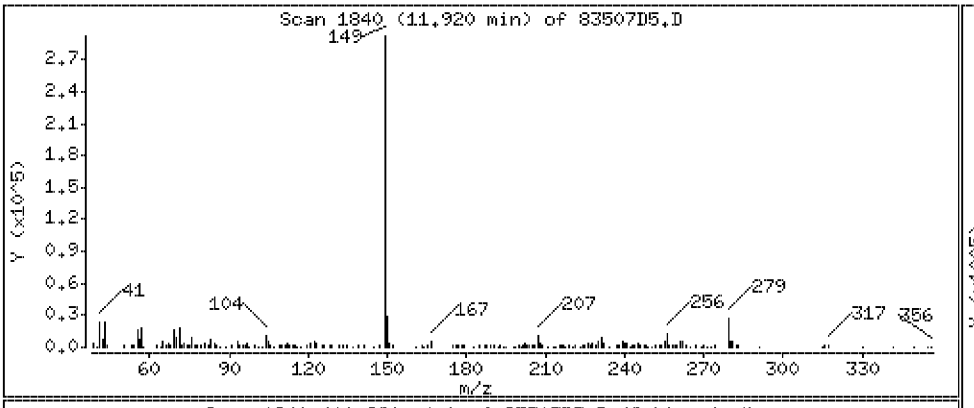
Operator: PEL

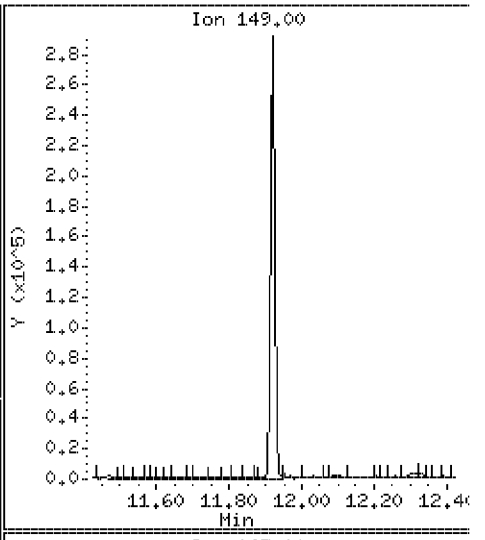
Column phase: HPMS-5

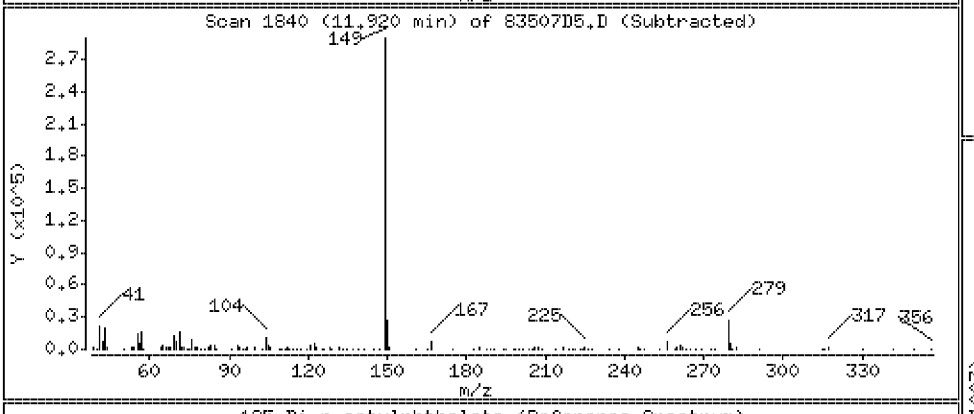
Column diameter: 0.25

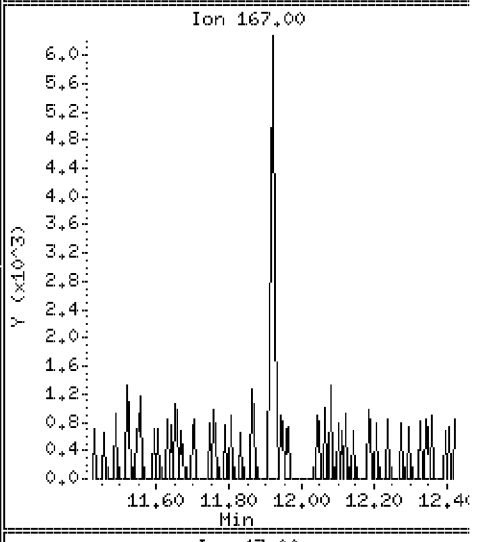
125 Di-n-octylphthalate

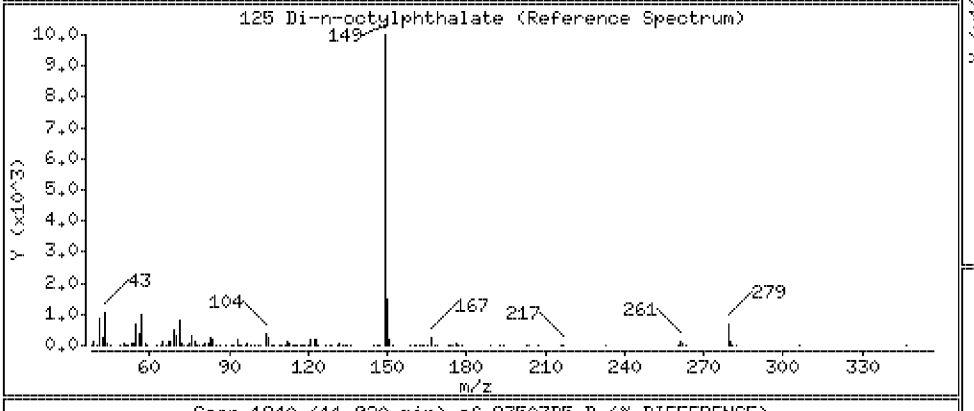
Concentration: 2100 ug/kg

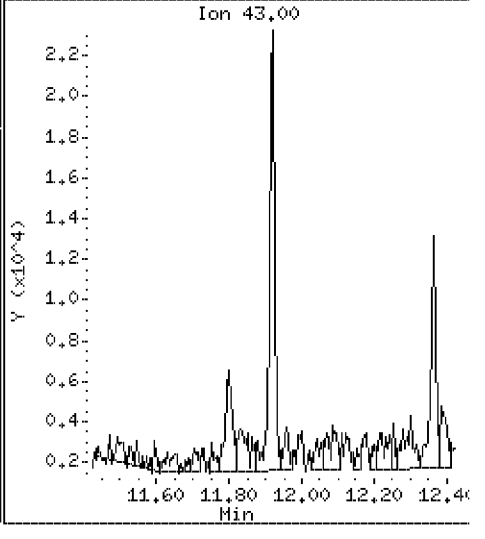


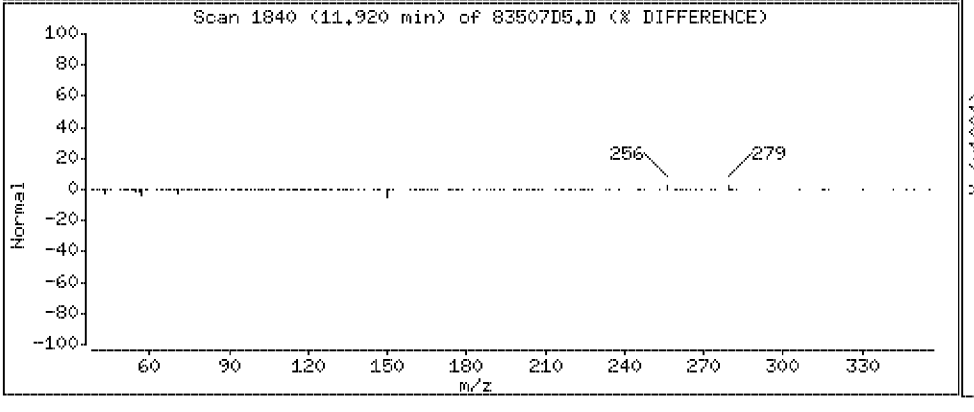












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

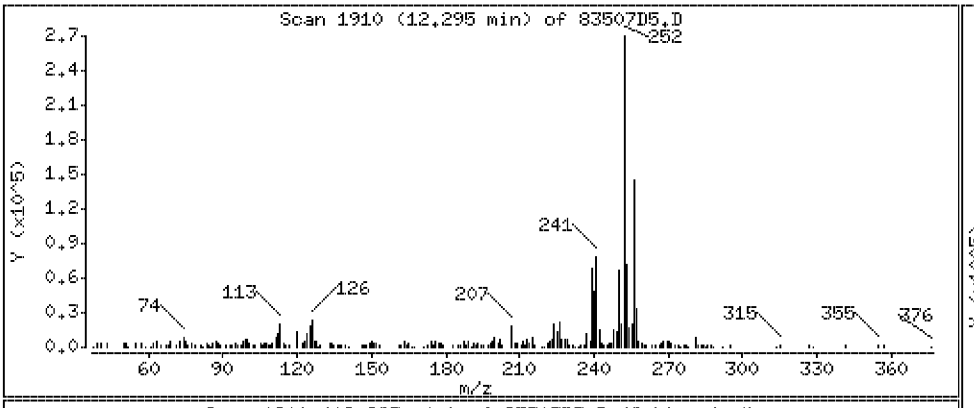
Operator: PEL

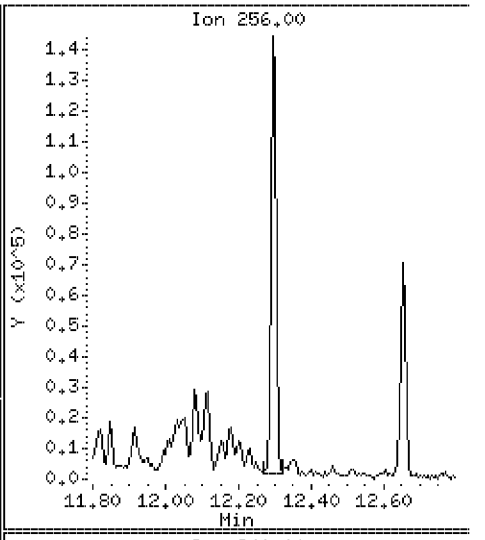
Column phase: HPMS-5

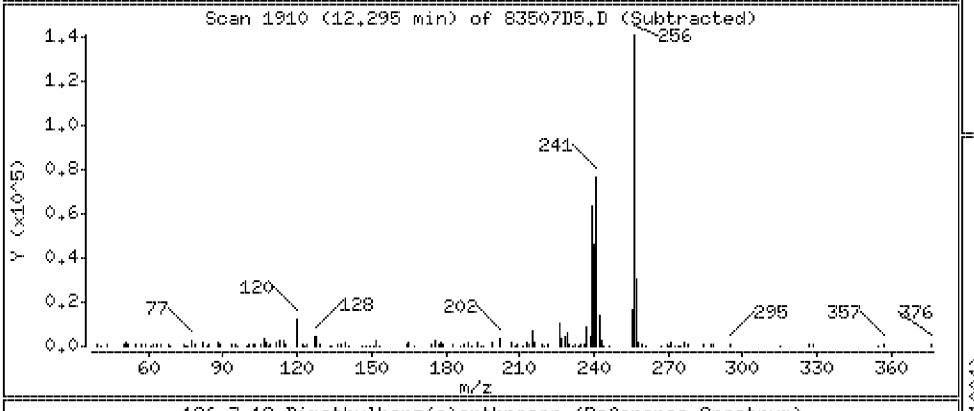
Column diameter: 0.25

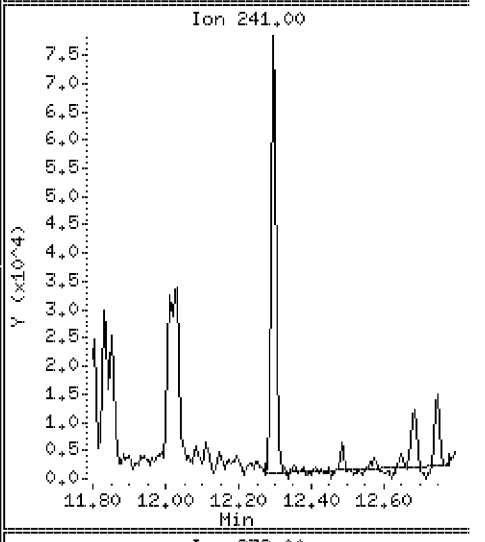
126 7,12-Dimethylbenz(a)anthracen

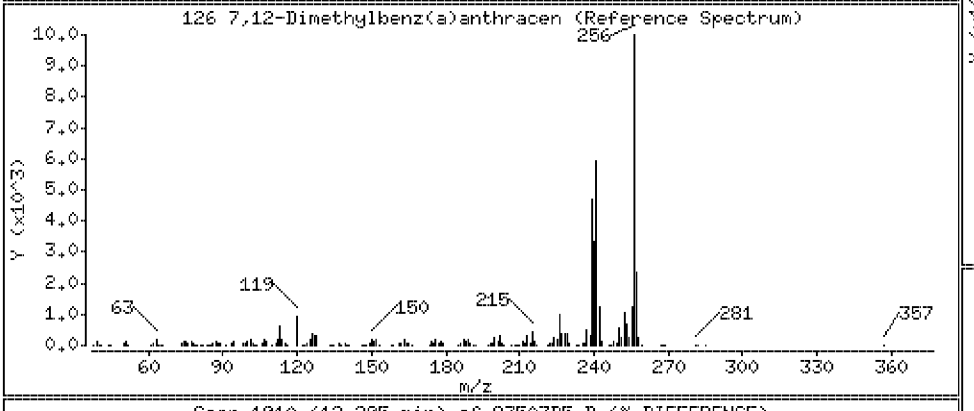
Concentration: 1820 ug/kg

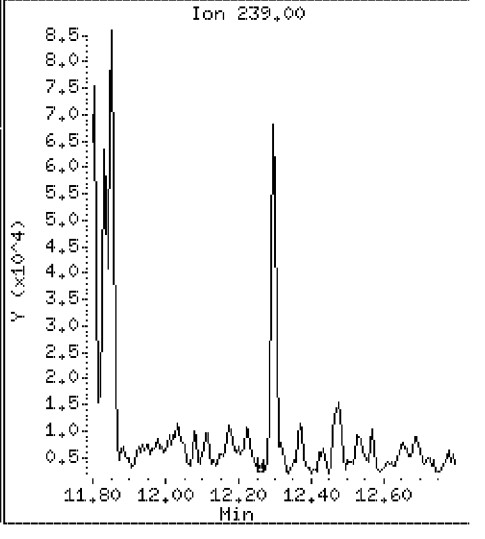


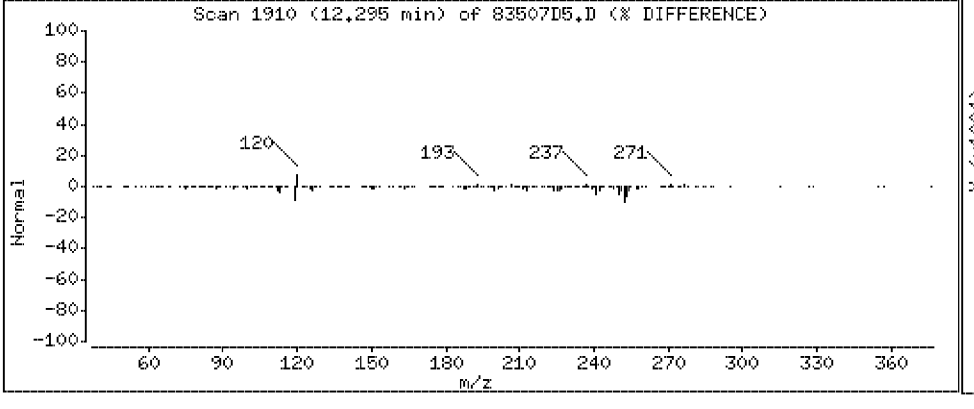












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

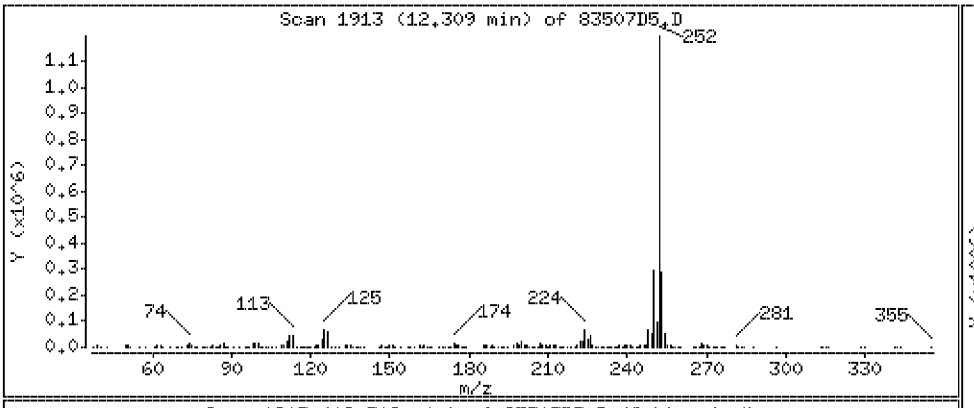
Operator: PEL

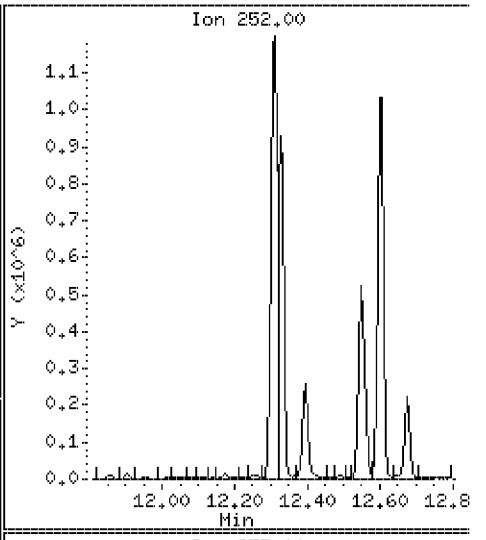
Column phase: HPMS-5

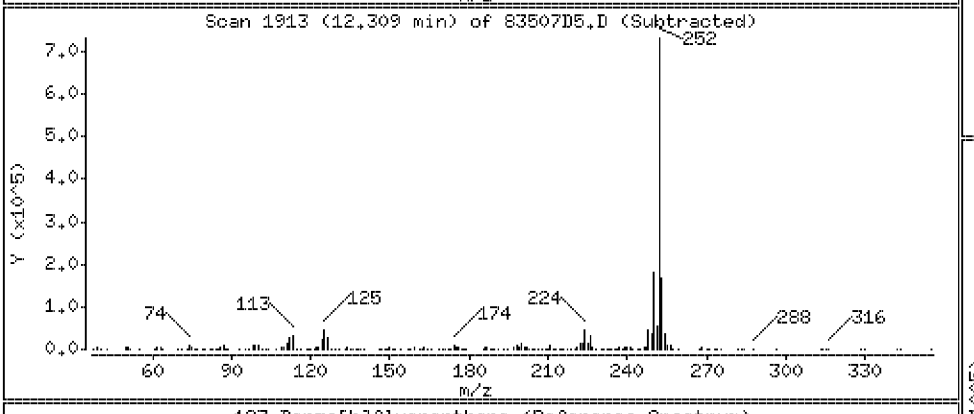
Column diameter: 0.25

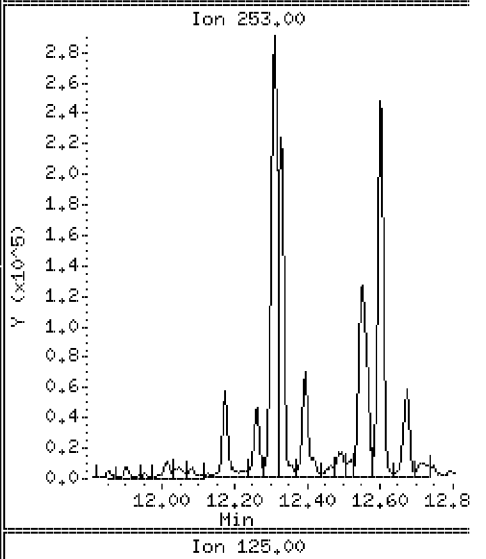
127 Benzo[b]fluoranthene

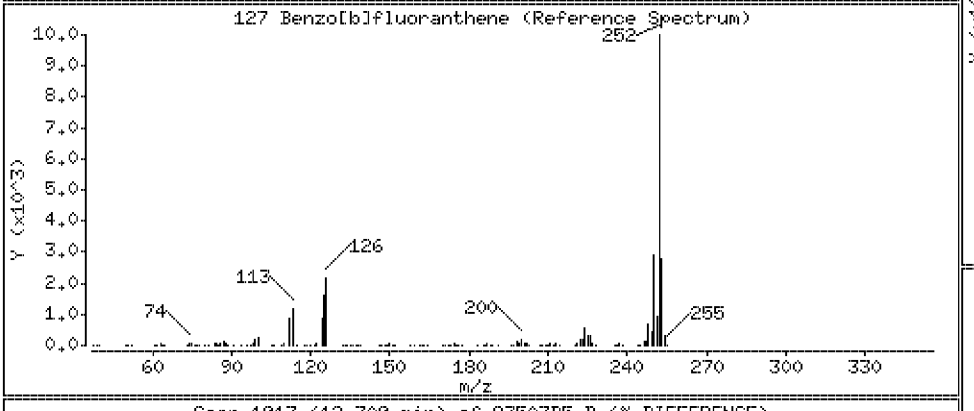
Concentration: 10600 ug/kg

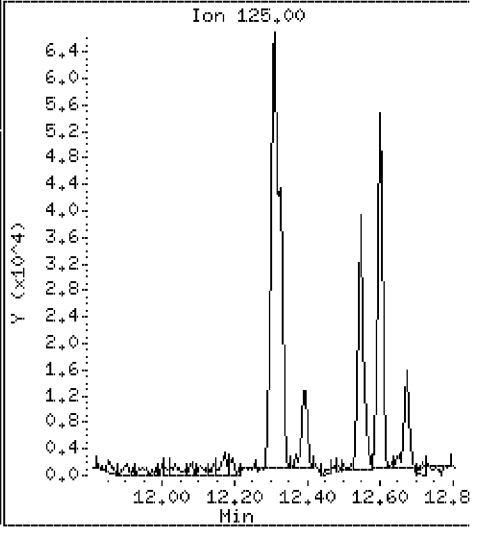


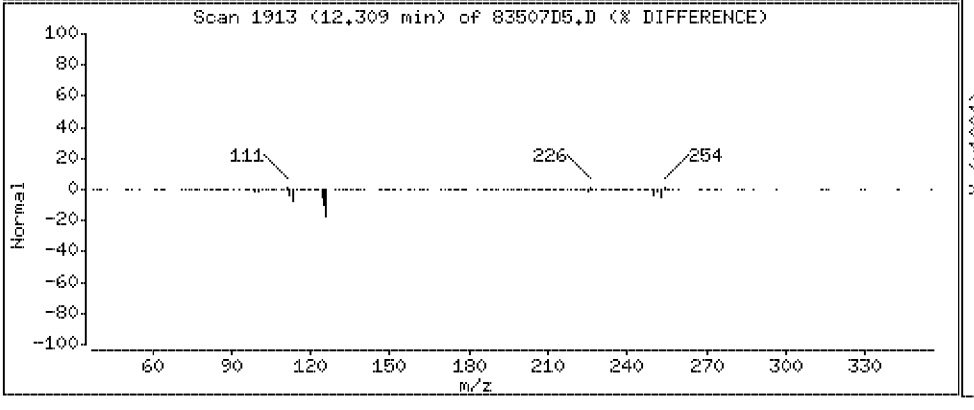












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

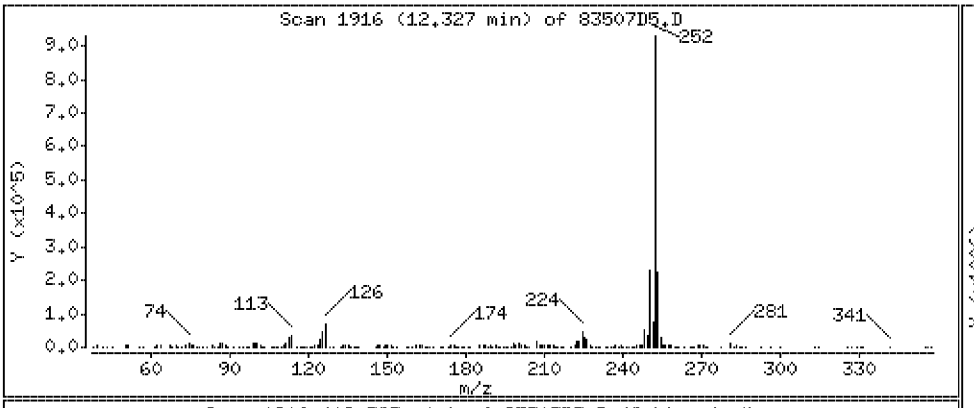
Operator: PEL

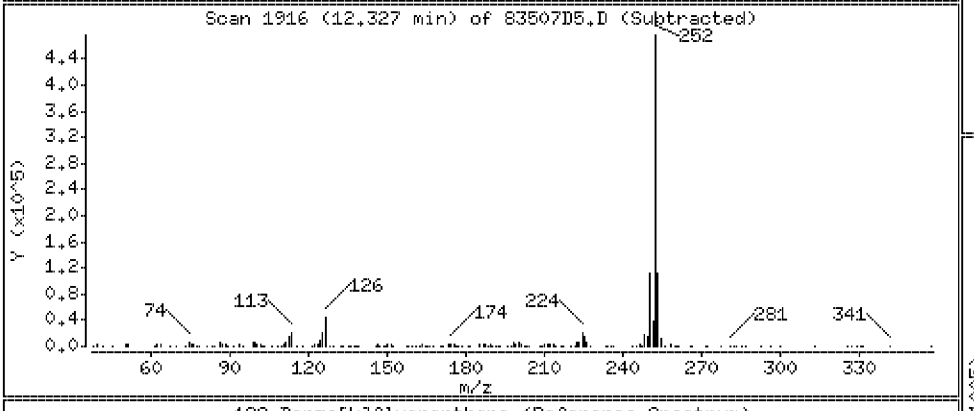
Column phase: HPMS-5

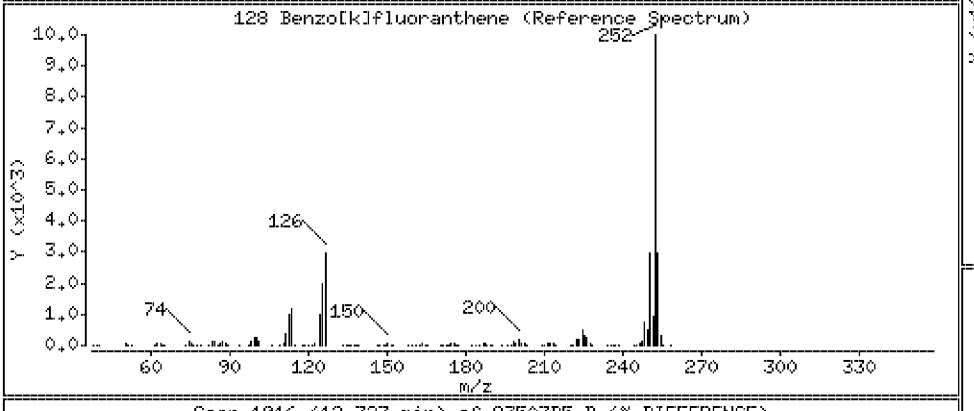
Column diameter: 0.25

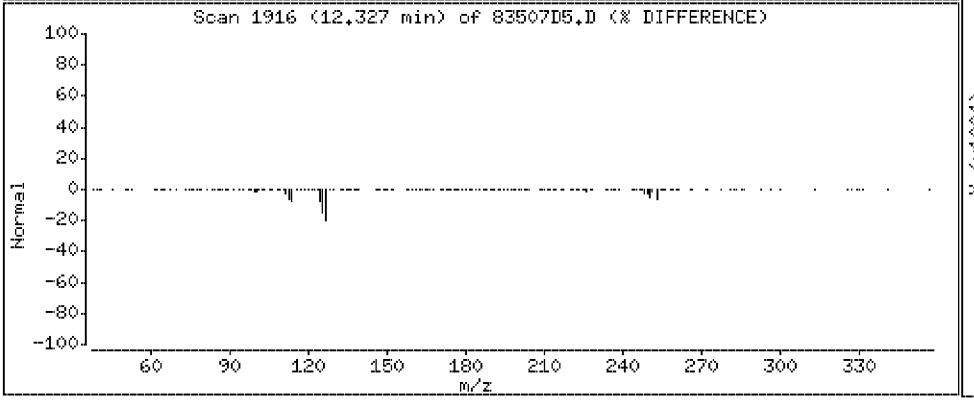
128 Benzo[k]fluoranthene

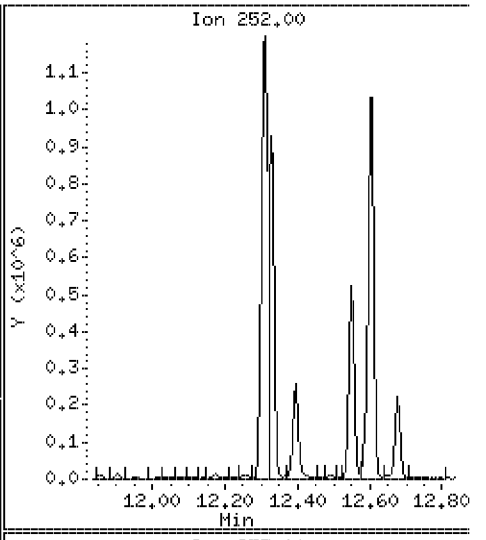
Concentration: 5680 ug/kg

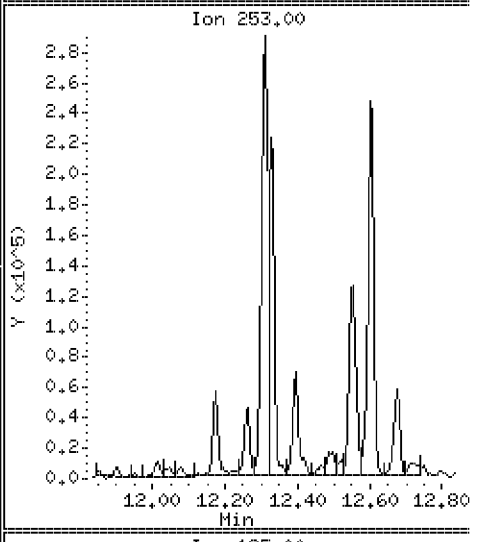


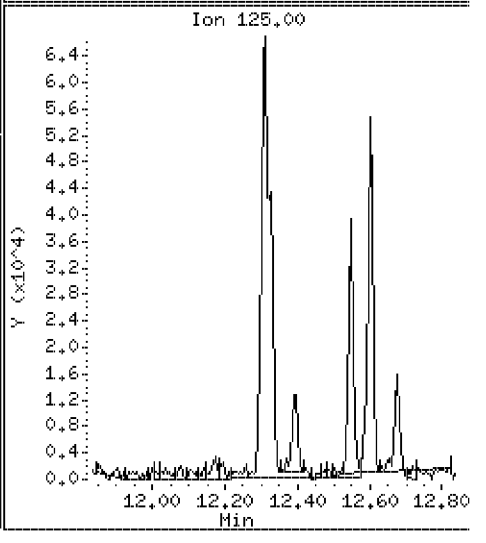












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

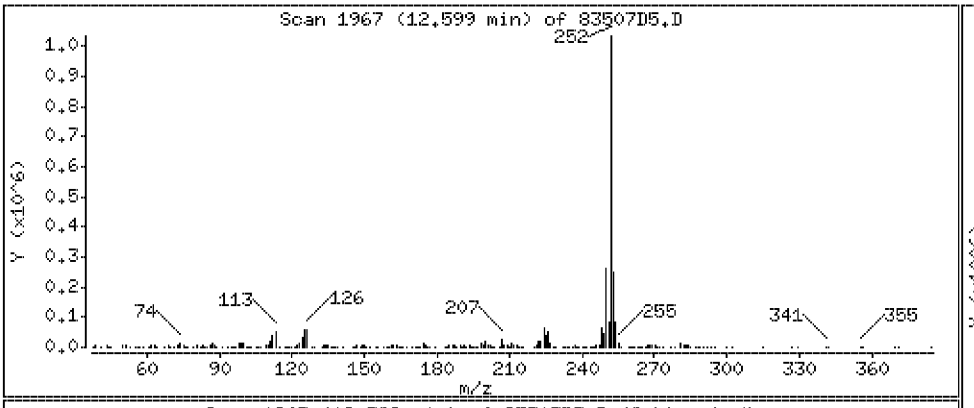
Operator: PEL

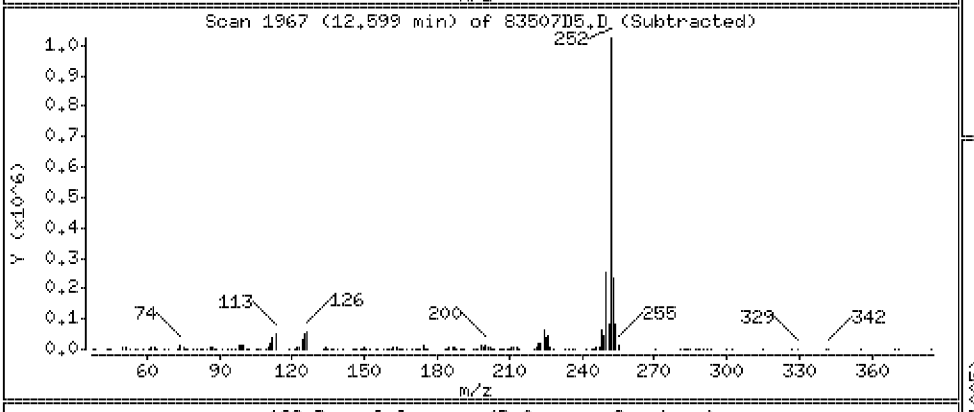
Column phase: HPMS-5

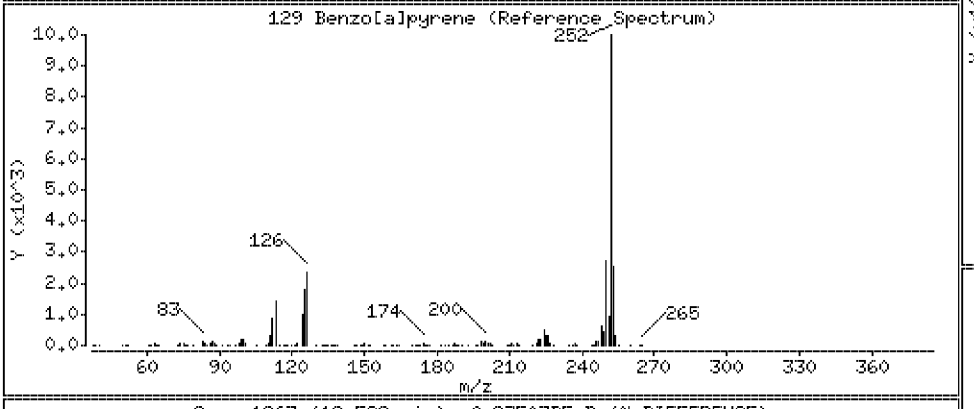
Column diameter: 0.25

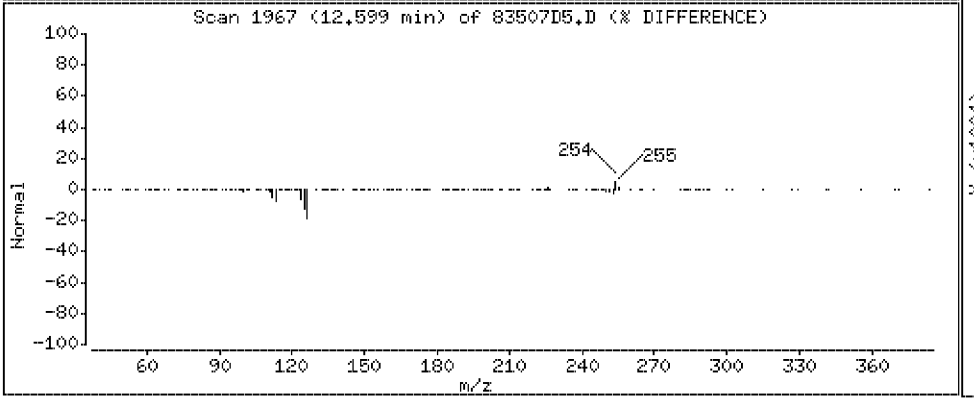
129 Benzo[a]pyrene

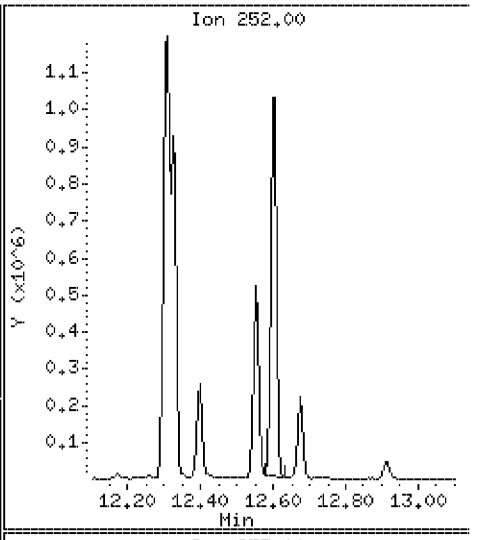
Concentration: 7990 ug/kg

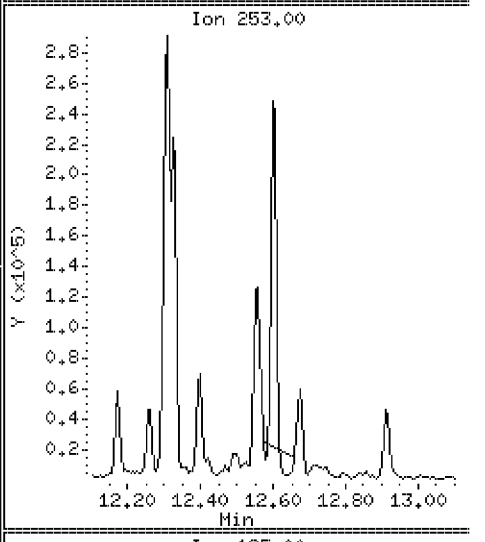


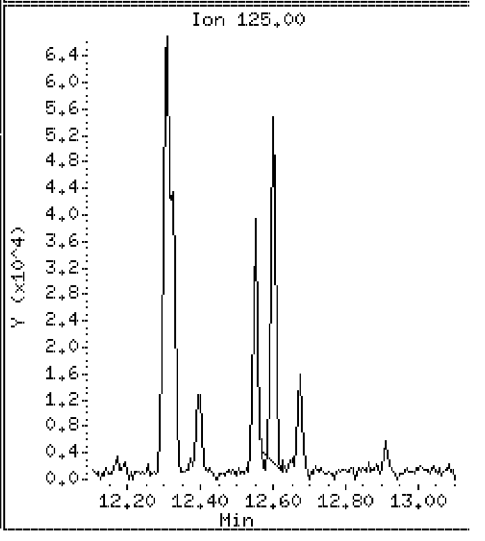












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

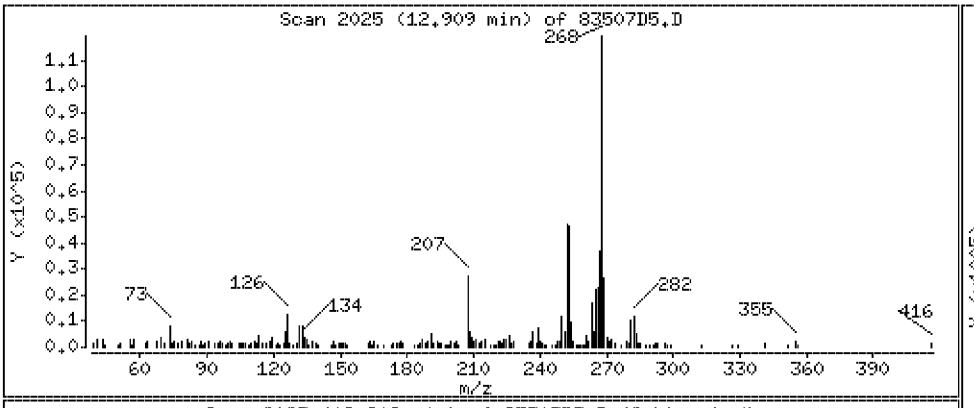
Operator: PEL

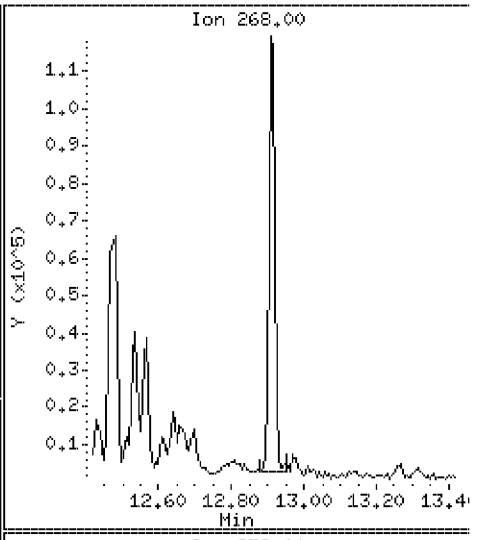
Column phase: HPMS-5

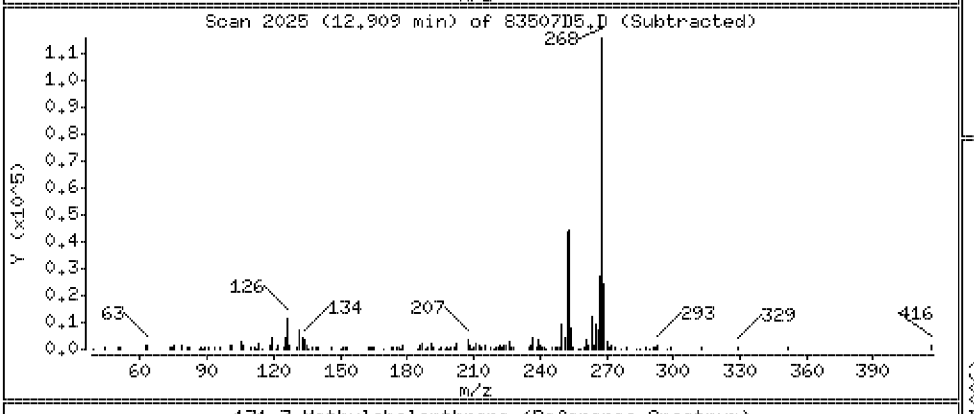
Column diameter: 0.25

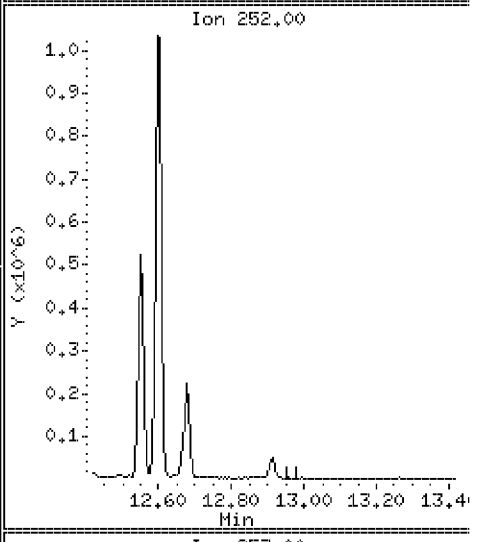
131 3-Methylcholanthrene

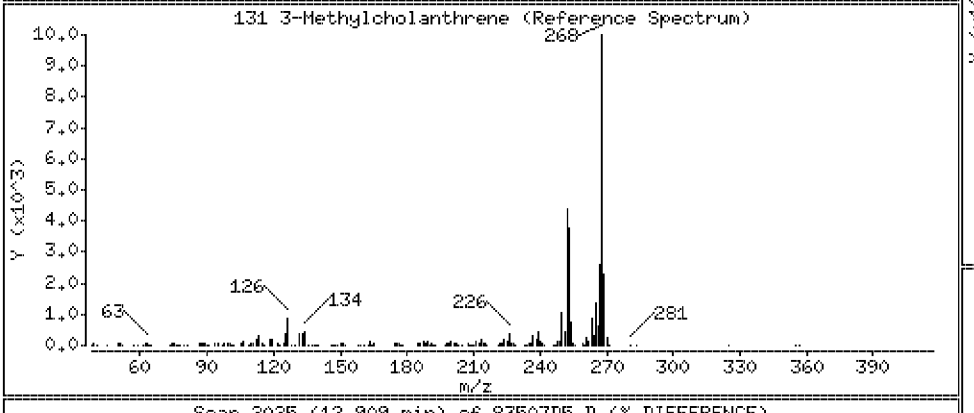
Concentration: 1550 ug/kg

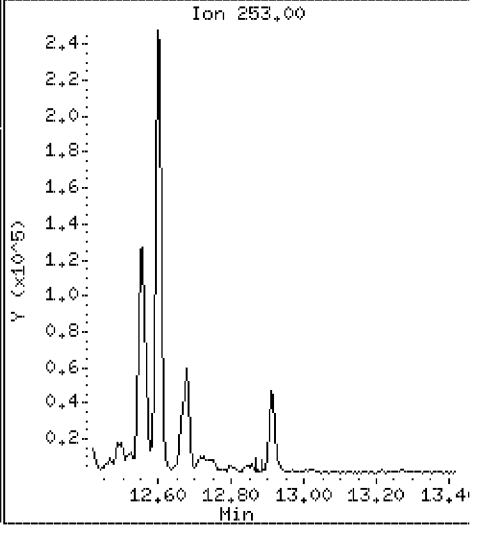


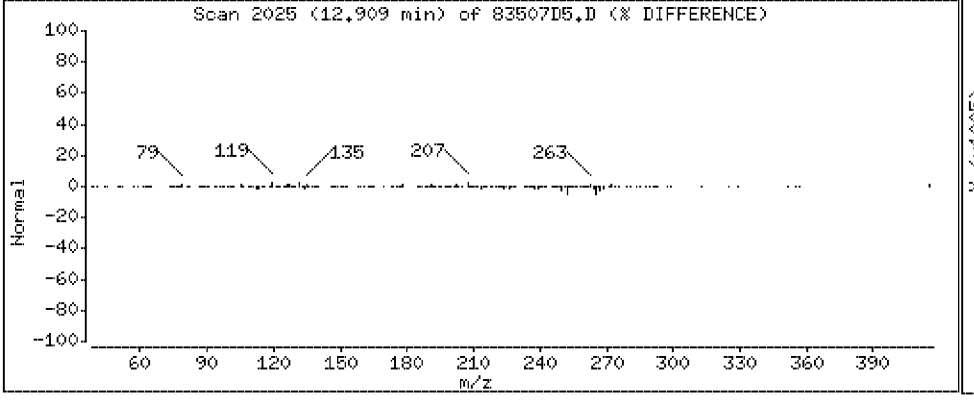












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

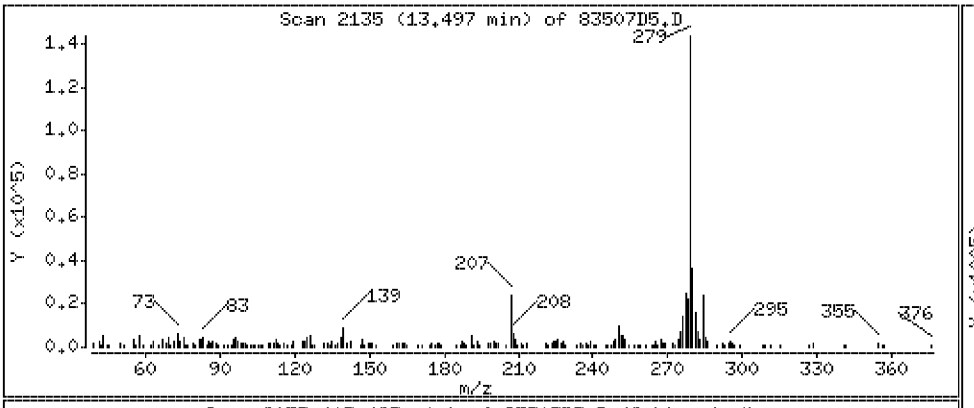
Operator: PEL

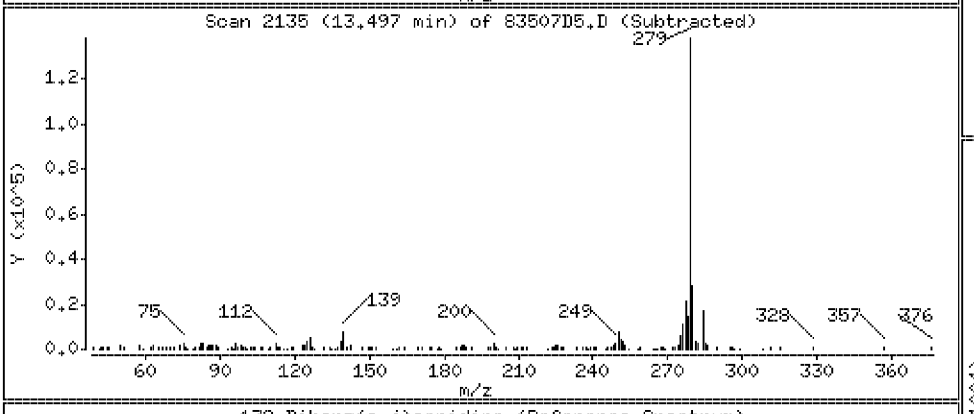
Column phase: HPMS-5

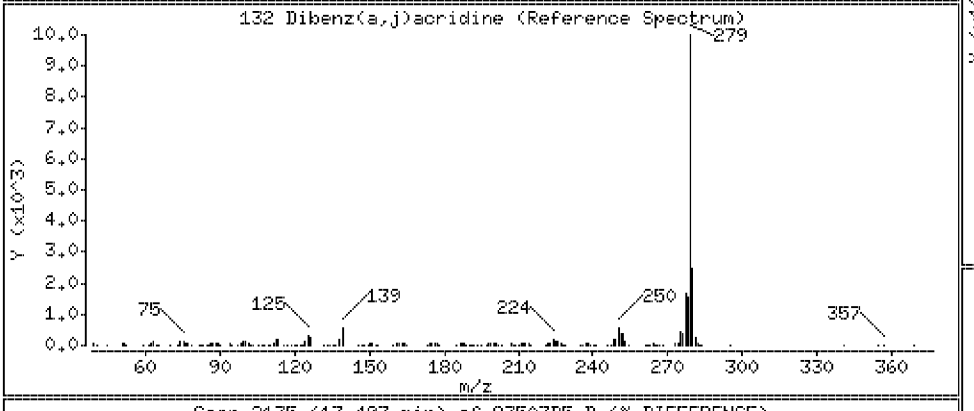
Column diameter: 0.25

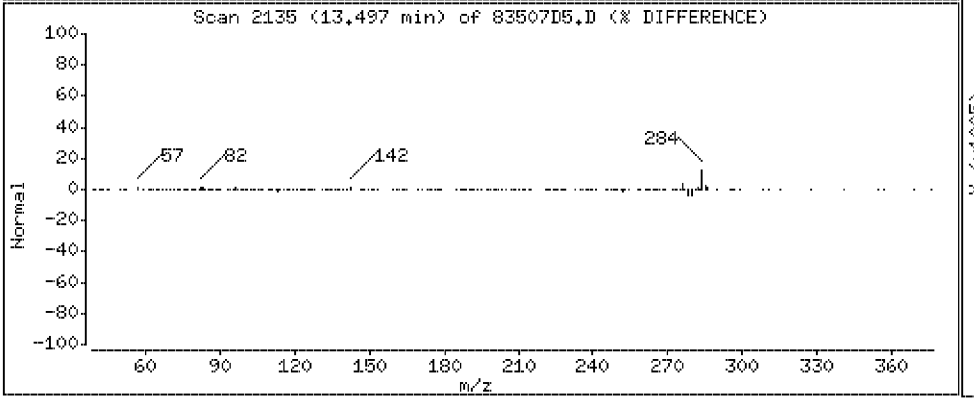
132 Dibenz(a,j)acridine

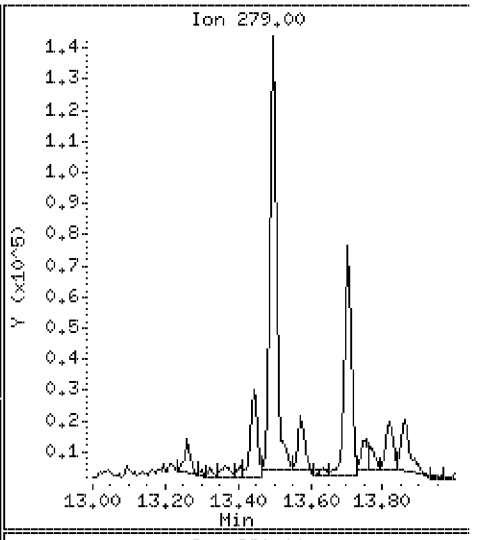
Concentration: 1470 ug/kg

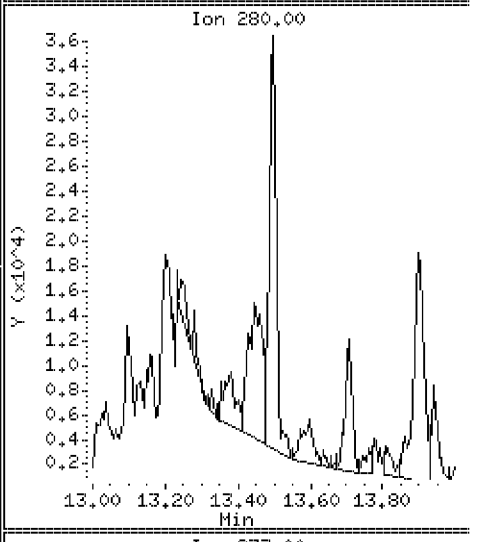


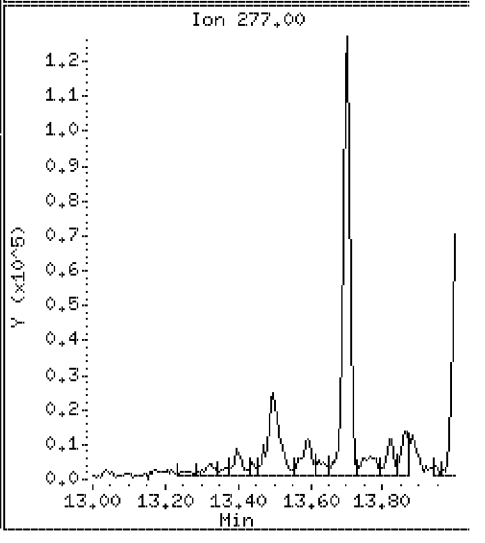












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

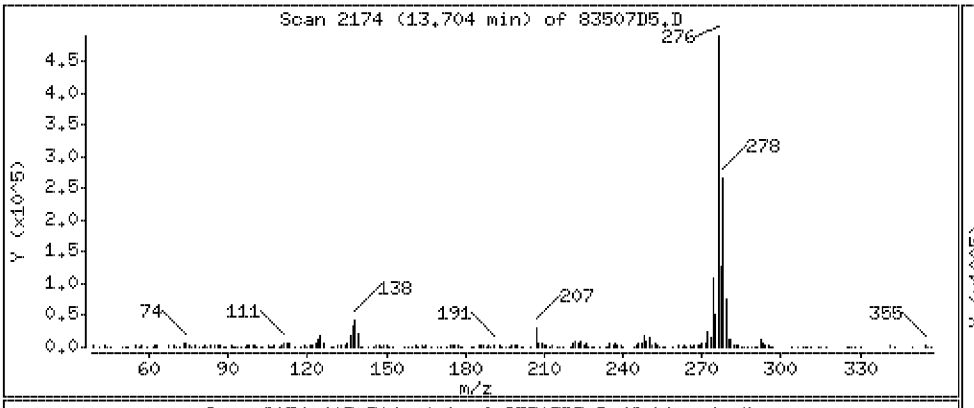
Operator: PEL

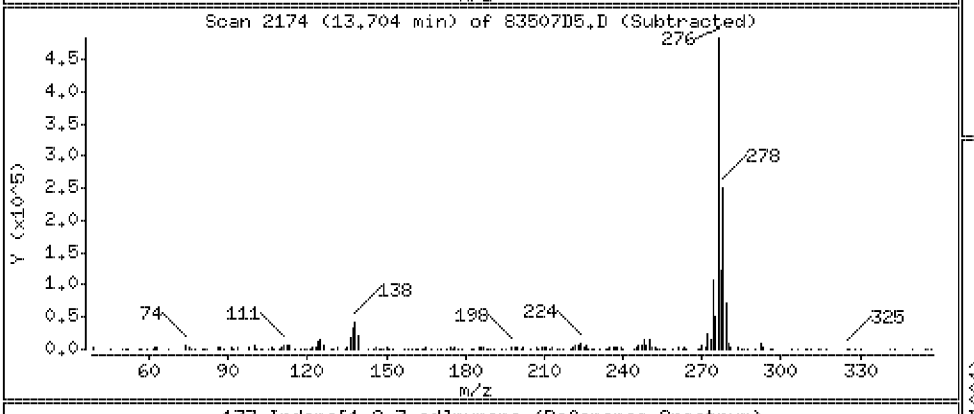
Column phase: HPMS-5

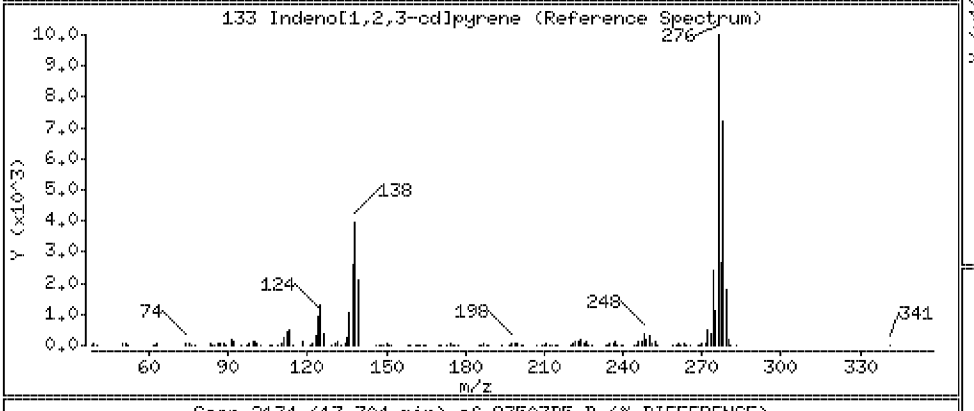
Column diameter: 0.25

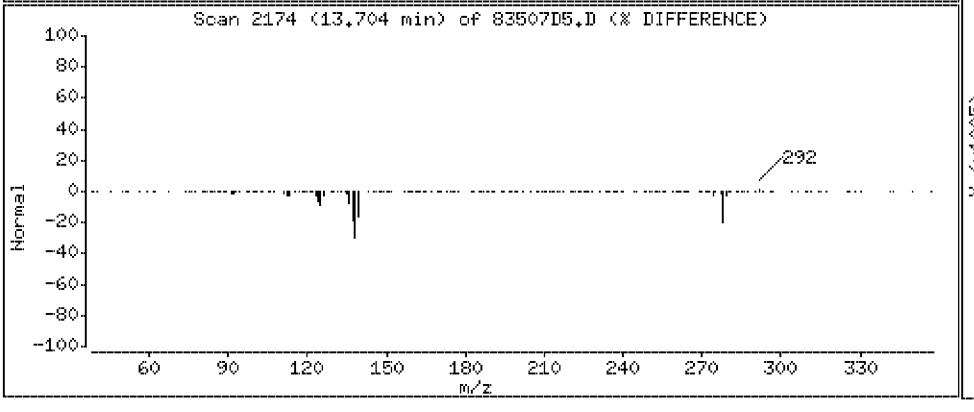
133 Indeno[1,2,3-cd]pyrene

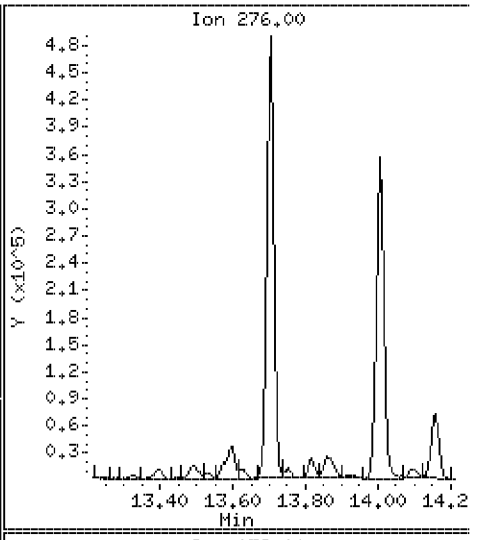
Concentration: 3800 ug/kg

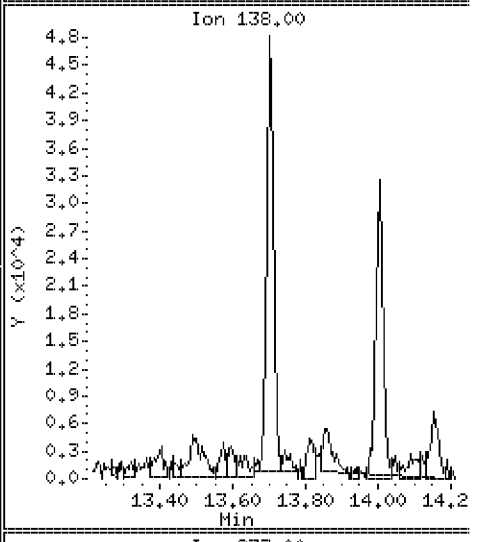


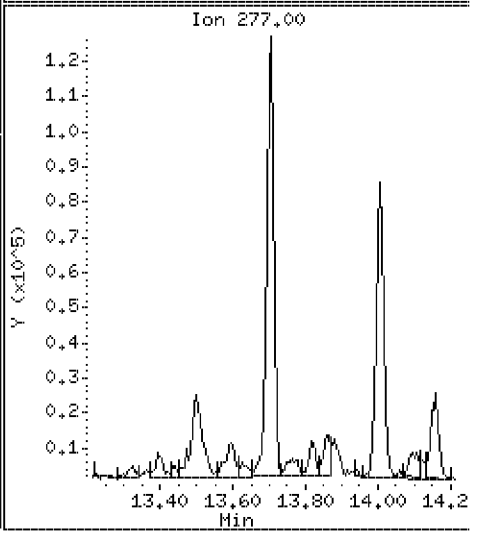












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

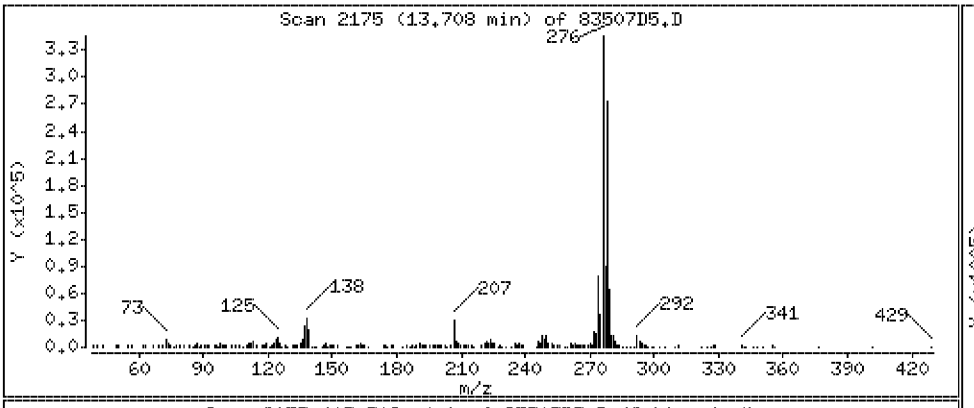
Operator: PEL

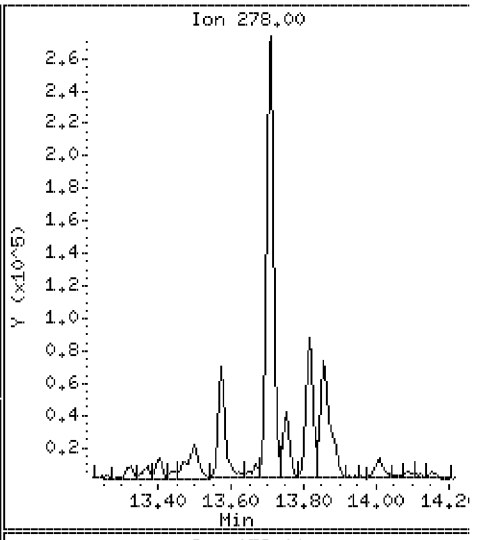
Column phase: HPMS-5

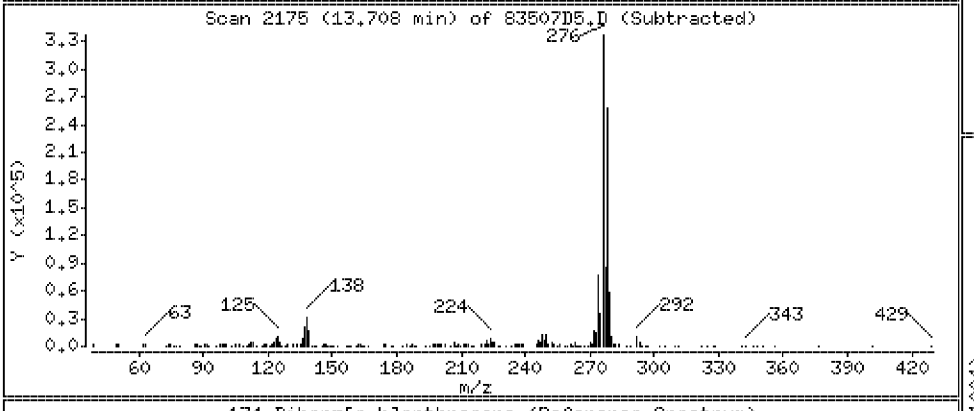
Column diameter: 0.25

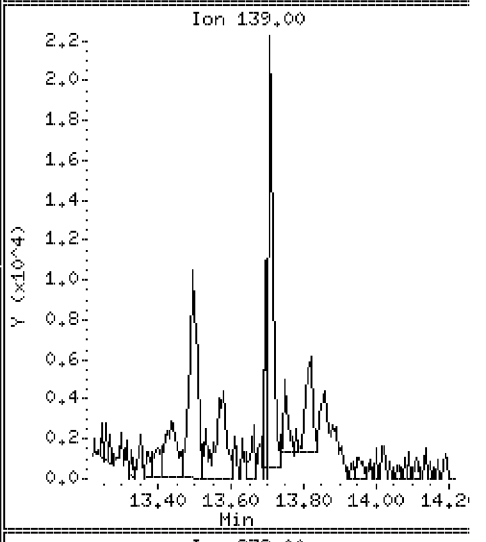
134 Dibenz[a,h]anthracene

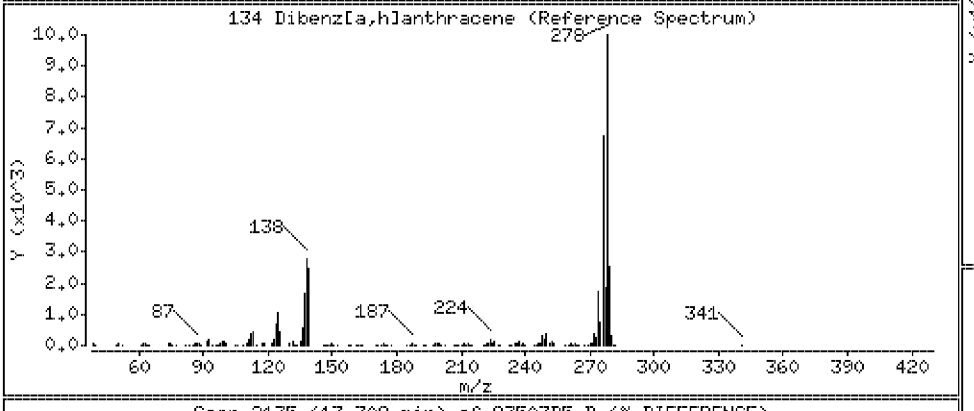
Concentration: 2470 ug/kg

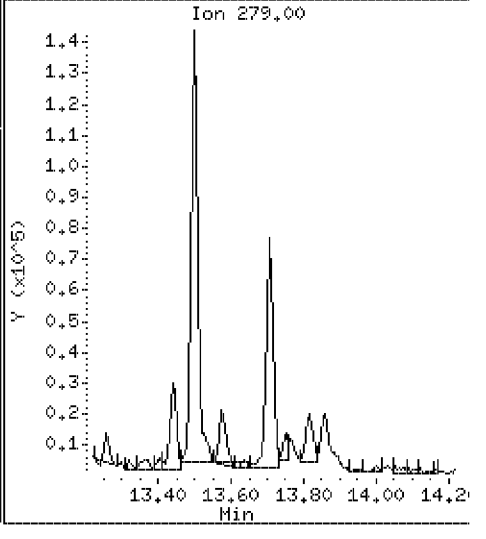


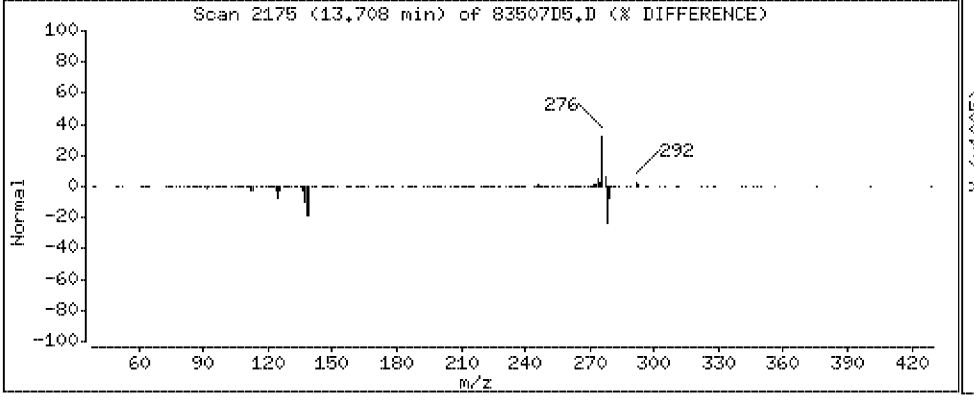












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83507D5.D

Date : 26-APR-2012 19:10

Client ID: EPAFMC-SD-01MS

Instrument: smsd03.i

Sample Info: sw350583507

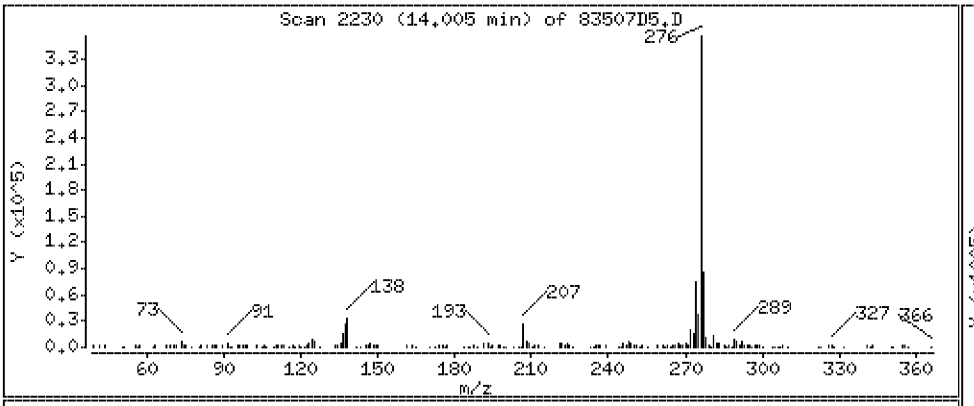
Operator: PEL

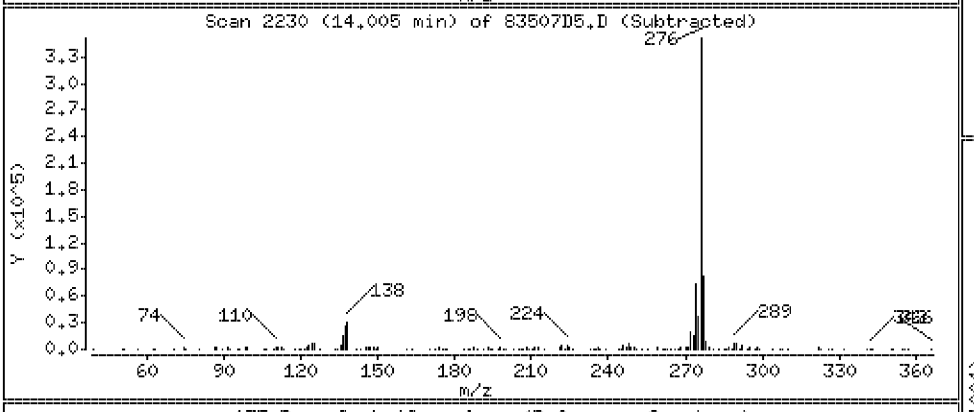
Column phase: HPMS-5

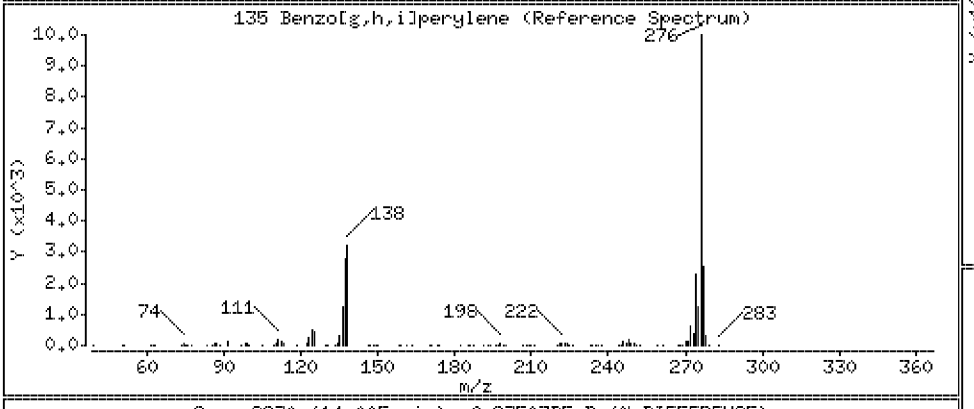
Column diameter: 0.25

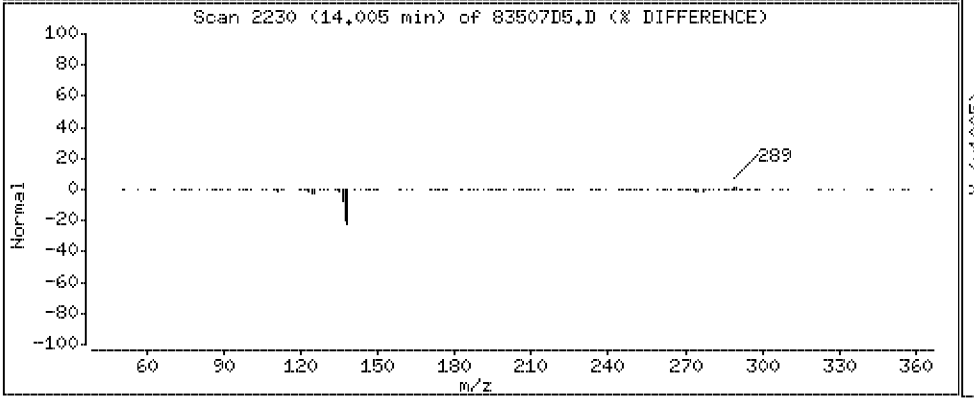
135 Benzo[g,h,i]perylene

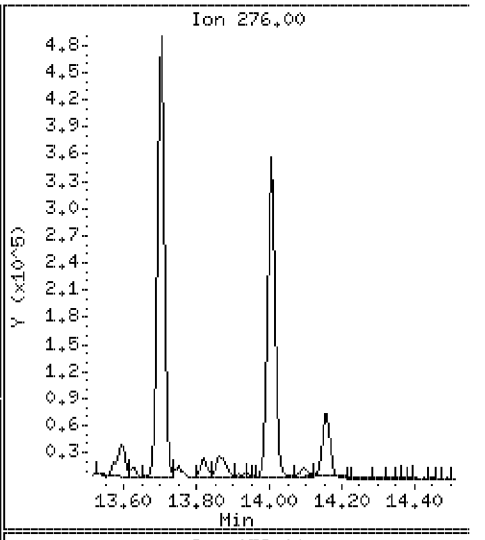
Concentration: 3990 ug/kg

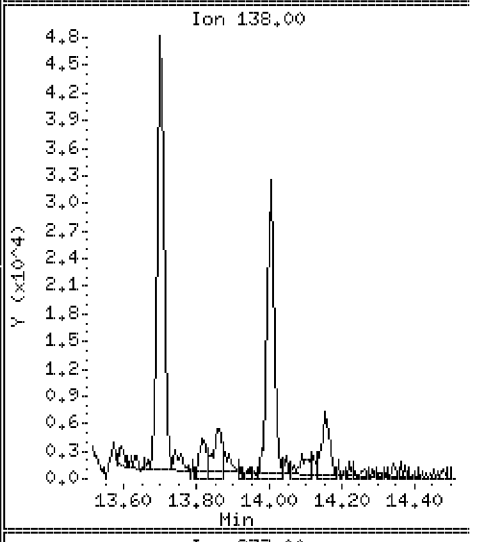


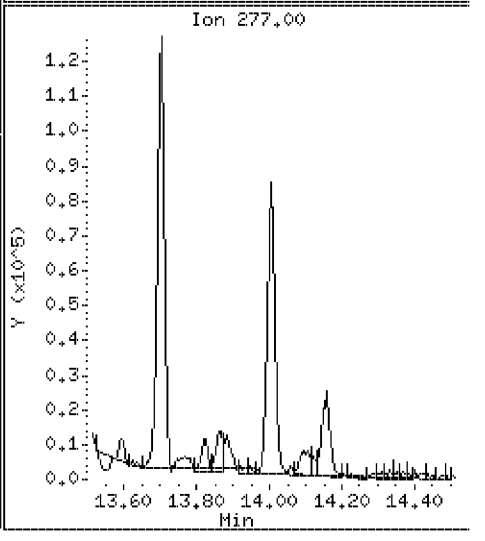












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D
Lab Smp Id: 350583508 Client Smp ID: EPAFMC-SD-01SD
Inj Date : 26-APR-2012 19:34 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583508
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 22 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	5.000	Dilution Factor
Ws	25.780	Weight of sample extracted (g)
M	32.400	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/kg)	TARGET RANGE	RATIO
3 2- Picoline						CAS #: 109-06-8		
2.926	2.910	(0.661)	93	47324	4.92325	1410	80.00- 120.00	100.00
2.925	2.910	(0.661)	66	22869			20.86- 80.86	48.32
2.926	2.910	(0.661)	92	11486			0.00- 56.34	24.27
4 N-Nitrosomethylethylamine						CAS #: 10595-95-6		
2.992	2.987	(0.676)	88	21193	5.17073	1480	80.00- 120.00	100.00
2.992	2.987	(0.676)	43	8924			17.39- 77.39	42.11
2.992	2.987	(0.676)	42	19061			68.13- 128.13	89.94
5 Methyl Methanesulfonate						CAS #: 66-27-3		
3.223	3.220	(0.729)	80	23888	3.52509	1010	80.00- 120.00	100.00
3.222	3.220	(0.728)	79	15060			28.45- 88.45	63.04
3.222	3.220	(0.728)	65	5872			0.00- 57.09	24.58
7 N-Nitrosodiethylamine						CAS #: 55-18-5		
3.535	3.531	(0.799)	102	20413	5.02510	1440	80.00- 120.00	100.00
3.533	3.531	(0.799)	42	13740			38.33- 98.33	67.31
3.533	3.531	(0.799)	57	9118			11.32- 71.32	44.67
8 Ethyl Methanesulfonate						CAS #: 62-50-0		
3.771	3.768	(0.852)	79	36416	5.17741	1480	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	8 Ethyl Methanesulfonate (continued)							
3.771	3.768	(0.852)	109	19822			22.59- 82.59	54.43
3.771	3.768	(0.852)	97	6653			0.00- 48.34	18.27
	12 Pentachloroethane					CAS #: 76-01-7		
4.184	4.184	(0.946)	167	15278	3.80577	1090	80.00- 120.00	100.00
4.183	4.184	(0.946)	117	9351			41.63- 101.63	61.21
4.184	4.184	(0.946)	130	5825			13.26- 73.26	38.13
*	18 1,4-Dichlorobenzene-d4					CAS #: 3855-82-1		
4.424	4.423	(1.000)	152	262585	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	164224			33.39- 93.39	62.54
4.424	4.423	(1.000)	150	403583			121.52- 181.52	153.70
	24 N-Nitrosopyrrolidine					CAS #: 930-55-2		
4.759	4.763	(1.076)	100	25427	5.93781	1700	80.00- 120.00	100.00(Q)
4.764	4.763	(1.077)	41	37822			34.45- 94.45	148.75
4.766	4.763	(1.077)	42	35815			26.31- 86.31	140.85
	25 Acetophenone					CAS #: 98-86-2		
4.775	4.778	(0.855)	105	113232	8.58763	2460	80.00- 120.00	100.00
4.775	4.778	(0.855)	77	133285			69.57- 129.57	117.71
4.775	4.778	(0.855)	51	32413			0.00- 54.45	28.63
	27 N-Nitrosomorpholine					CAS #: 59-89-2		
4.789	4.794	(1.083)	56	26475	6.03843	1730	80.00- 120.00	100.00
4.790	4.794	(1.083)	116	7158			6.33- 66.33	27.04
4.789	4.794	(1.083)	86	18795			39.78- 99.78	70.99
	29 o-Toluidine					CAS #: 95-53-4		
4.808	4.812	(1.087)	106	44931	3.21713	923	80.00- 120.00	100.00
4.807	4.812	(1.087)	77	13064			0.00- 54.63	29.08
4.808	4.812	(1.087)	107	34727			43.62- 103.62	77.29
	33 N-Nitrosopiperidine					CAS #: 100-75-4		
5.072	5.072	(0.908)	114	21032	5.51947	1580	80.00- 120.00	100.00
5.070	5.072	(0.908)	42	23503			83.44- 143.44	111.75
5.072	5.072	(0.908)	55	13145			31.18- 91.18	62.50
	37 o,o,o-Triethylphosphorothioate					CAS #: 126-68-1		
5.314	5.314	(1.201)	198	31054	4.92069	1410	80.00- 120.00	100.00
5.312	5.314	(1.201)	97	21939			35.12- 95.12	70.65
5.312	5.314	(1.201)	65	16745			22.68- 82.68	53.92
	39 a,a-Dimethylphenethylamine					CAS #: 122-09-8		
5.422	5.414	(0.971)	58	61560	4.60894	1320	80.00- 120.00	100.00
5.422	5.414	(0.971)	91	19855			4.25- 64.25	32.25
5.421	5.414	(0.971)	65	11852			0.00- 48.94	19.25
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	876448	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	48832			0.00- 35.32	5.57

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
46 2,6-Dichlorophenol						CAS #: 87-65-0		
5.664	5.667	(1.014)	162	33891	4.62068	1320	80.00- 120.00	100.00
5.662	5.667	(1.014)	63	33873			45.07- 105.07	99.95
5.665	5.667	(1.015)	98	8285			0.00- 57.32	24.45
49 N-Nitrosodi-n-butylamine						CAS #: 924-16-3		
5.966	5.968	(1.068)	84	44652	6.32412	1810	80.00- 120.00	100.00
5.966	5.968	(1.068)	57	23680			29.33- 89.33	53.03
5.966	5.968	(1.068)	41	25593			20.26- 80.26	57.32
52 Isosafrole						CAS #: 120-58-1		
6.175	6.176	(1.106)	162	34859	4.90673	1410	80.00- 120.00	100.00
6.174	6.176	(1.106)	104	25799			42.54- 102.54	74.01
6.175	6.176	(1.106)	131	16956			18.04- 78.04	48.64
56 1,2,4,5-Tetrachlorobenzene						CAS #: 95-94-3		
6.427	6.427	(0.883)	216	53460	4.53775	1300	80.00- 120.00	100.00
6.426	6.427	(0.883)	214	42014			47.07- 107.07	78.59
6.425	6.427	(0.883)	108	9976			0.00- 47.53	18.66
60 Safrole						CAS #: 94-59-7		
6.678	6.678	(1.196)	162	37553	5.63111	1620	80.00- 120.00	100.00
6.677	6.678	(1.196)	104	23099			32.00- 92.00	61.51
6.677	6.678	(1.196)	77	14301			9.31- 69.31	38.08
64 1,4-Naphthoquinone						CAS #: 130-15-4		
6.907	6.907	(0.949)	158	351	0.05278	15.1	80.00- 120.00	100.00(R)
6.907	6.907	(0.949)	102	414			57.84- 117.84	117.95
6.907	6.907	(0.949)	130	222			16.16- 76.16	63.25
66 1,3-Dinitrobenzene						CAS #: 99-65-0		
7.043	7.044	(0.968)	168	17492	5.56160	1600	80.00- 120.00	100.00
7.043	7.044	(0.968)	75	22551			96.24- 156.24	128.92
7.043	7.044	(0.968)	50	12969			38.85- 98.85	74.14
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	621760	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	604132			66.43- 126.43	97.16
7.279	7.278	(1.000)	160	271934			14.76- 74.76	43.74
73 Pentachlorobenzene						CAS #: 608-93-5		
7.441	7.441	(1.022)	250	51978	4.52467	1300	80.00- 120.00	100.00
7.441	7.441	(1.022)	252	37076			34.19- 94.19	71.33
7.440	7.441	(1.022)	108	16639			0.00- 56.91	32.01
77 1-Naphthylamine						CAS #: 134-32-7		
7.557	7.556	(1.038)	143	3383	0.31117	89.3	80.00- 120.00	100.00(QR)
7.558	7.556	(1.038)	115	3492			25.69- 85.69	103.22
7.556	7.556	(1.038)	89	4092			0.00- 42.05	120.96
78 2,3,4,6-Tetrachlorophenol						CAS #: 58-90-2		
7.605	7.608	(1.045)	232	30418	4.82012	1380	80.00- 120.00	100.00
7.605	7.608	(1.045)	168	8035			0.00- 55.39	26.42

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
78 2,3,4,6-Tetrachlorophenol (continued)								
7.604	7.608	(1.045)	131	12280			10.24- 70.24	40.37
79 2-Naphthylamine						CAS #: 91-59-8		
7.633	7.635	(1.049)	143	19672	1.38043	396	80.00- 120.00	100.00
7.632	7.635	(1.049)	115	13689			28.12- 88.12	69.59
7.632	7.635	(1.049)	116	3939			0.00- 51.60	20.02
83 5-Nitro-ortho-toluidine						CAS #: 99-55-8		
7.828	7.831	(1.076)	152	30793	5.56370	1600	80.00- 120.00	100.00(R)
7.827	7.831	(1.075)	106	20590			43.78- 103.78	66.87
7.826	7.831	(1.075)	77	48313			97.61- 157.61	156.90
90 1,3,5-Trinitrobenzene						CAS #: 99-35-4		
8.199	8.193	(1.126)	75	17978	4.61469	1320	80.00- 120.00	100.00
8.199	8.193	(1.126)	74	11608			33.82- 93.82	64.57
8.200	8.193	(1.127)	213	7486			7.38- 67.38	41.64
89 Diallate						CAS #: 2303-16-4		
8.205	8.208	(1.127)	86	39109	5.06499	1450	80.00- 120.00	100.00(M)
8.205	8.208	(1.127)	43	46922			68.02- 128.02	119.98
8.210	8.208	(1.128)	234	26314			37.54- 97.54	67.28
92 Phenacetin						CAS #: 62-44-2		
8.228	8.241	(0.942)	109	57967	6.79381	1950	80.00- 120.00	100.00
8.228	8.241	(0.942)	108	57176			82.82- 142.82	98.64
8.229	8.241	(0.942)	179	37251			35.80- 95.80	64.26
91 p-Phenylenediamine						CAS #: 106-50-3		
8.228	8.240	(0.942)	108	57176	6.11925	1760	80.00- 120.00	100.00
8.228	8.240	(0.942)	80	16314			0.00- 58.29	28.53
8.227	8.240	(0.942)	53	7821			0.00- 42.90	13.68
97 Pentachloronitrobenzene						CAS #: 82-68-8		
8.564	8.564	(0.981)	237	23777	5.40767	1550	80.00- 120.00	100.00
8.564	8.564	(0.981)	295	7764			8.22- 68.22	32.65
8.564	8.564	(0.981)	142	14534			39.56- 99.56	61.13
98 4-Aminobiphenyl						CAS #: 92-67-1		
8.547	8.550	(0.979)	169	64841	3.06428	879	80.00- 120.00	100.00
8.547	8.550	(0.979)	168	12494			0.00- 52.43	19.27
8.547	8.550	(0.979)	115	10189			0.00- 42.46	15.71
99 Pronamide						CAS #: 23950-58-5		
8.603	8.607	(0.985)	173	59186	5.62351	1610	80.00- 120.00	100.00
8.603	8.607	(0.985)	175	37626			34.07- 94.07	63.57
8.603	8.607	(0.985)	145	22087			8.89- 68.89	37.32
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.734	8.734	(1.000)	188	1224736	40.0000		80.00- 120.00	100.00
8.733	8.734	(1.000)	94	74803			0.00- 36.17	6.11
8.733	8.734	(1.000)	80	86733			0.00- 38.16	7.08

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO	
102 Dinoseb							CAS #: 88-85-7		
8.727	8.728	(0.999)	211	14243	5.23148	1500	80.00- 120.00	100.00	
8.727	8.728	(0.999)	163	6047			9.36- 69.36	42.46	
8.728	8.728	(0.999)	117	3634			0.00- 51.90	25.51	
106 4-Nitroquinoline-1-oxide							CAS #: 56-57-5		
9.516	9.516	(1.090)	174	1282	4.32568	1240	80.00- 120.00	100.00	(Q)
9.515	9.516	(1.089)	128	2622			218.15- 278.15	204.52	
9.516	9.516	(1.090)	101	4691			337.85- 397.85	365.91	
107 Methapyrilene							CAS #: 91-80-5		
9.588	9.583	(1.098)	97	36158	88.1652	25300	80.00- 120.00	100.00	(RM)
9.583	9.583	(1.097)	58	33792			65.05- 125.05	93.46	
9.588	9.583	(1.098)	191	5928			0.00- 47.68	16.40	
108 Isodrin							CAS #: 465-73-6		
9.774	9.774	(1.119)	193	21504	5.76126	1650	80.00- 120.00	100.00	
9.773	9.774	(1.119)	66	20532			57.56- 117.56	95.48	
9.775	9.774	(1.119)	195	18428			51.95- 111.95	85.70	
113 Aramite							CAS #: 140-57-8		
10.341	10.345	(0.913)	185	21833	5.02741	1440	80.00- 120.00	100.00	(M)
10.341	10.345	(0.913)	191	13907			21.26- 81.26	63.70	
10.267	10.345	(0.906)	319	7389			5.26- 65.26	33.85	
114 p-Dimethylamino azobenzene							CAS #: 60-11-7		
10.433	10.435	(0.921)	225	45134	4.21618	1210	80.00- 120.00	100.00	
10.432	10.435	(0.921)	120	40629			64.36- 124.36	90.02	
10.432	10.435	(0.921)	77	45598			73.56- 133.56	101.03	
115 Chlorobenzilate							CAS #: 510-15-6		
10.475	10.478	(0.925)	251	71374	4.31295	1240	80.00- 120.00	100.00	
10.476	10.478	(0.925)	253	43455			33.47- 93.47	60.88	
10.474	10.478	(0.924)	139	61867			59.42- 119.42	86.68	
116 Kepone							CAS #: 143-50-0		
10.819	10.815	(0.955)	272	678	0.23948	68.7	80.00- 120.00	100.00	(QR)
10.814	10.815	(0.954)	274	604			54.03- 114.03	89.09	
10.816	10.815	(0.955)	237	877			29.73- 89.73	129.35	
117 3,3-Dimethylbenzidine							CAS #: 119-93-7		
10.765	10.767	(0.950)	212	13255	0.40762	117	80.00- 120.00	100.00	(R)
10.767	10.767	(0.950)	106	2133			0.00- 36.50	16.09	
10.765	10.767	(0.950)	180	996			0.00- 37.81	7.51	
119 2-Acetylaminofluorene							CAS #: 53-96-3		
11.009	11.015	(0.972)	181	90680	4.83670	1390	80.00- 120.00	100.00	(M)
11.009	11.015	(0.972)	223	60303			34.36- 94.36	66.50	
11.009	11.015	(0.972)	180	82632			55.41- 115.41	91.13	
* 121 Chrysene-d12							CAS #: 1719-03-5		
11.331	11.327	(1.000)	240	1819169	40.0000		80.00- 120.00	100.00	
11.330	11.327	(1.000)	120	103060			0.00- 35.19	5.67	

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.331	11.327	(1.000)	236	483441			0.00- 56.66	26.57
126 7,12-Dimethylbenz(a)anthracen						CAS #: 57-97-6		
12.297	12.295	(0.972)	256	113400	4.72398	1360	80.00- 120.00	100.00(M)
12.297	12.295	(0.972)	241	59851			26.61- 86.61	52.78
12.297	12.295	(0.972)	239	47985			16.19- 76.19	42.32
* 130 Perylene-d12						CAS #: 1520-96-3		
12.656	12.650	(1.000)	264	1686386	40.0000		80.00- 120.00	100.00
12.656	12.650	(1.000)	260	416765			0.00- 54.55	24.71
12.655	12.650	(1.000)	265	389795			0.00- 53.02	23.11
131 3-Methylcholanthrene						CAS #: 56-49-5		
12.911	12.915	(1.020)	268	112477	4.16022	1190	80.00- 120.00	100.00(M)
12.914	12.915	(1.020)	252	51431			14.06- 74.06	45.73
12.912	12.915	(1.020)	253	44827			8.21- 68.21	39.85
132 Dibenz(a,j)acridine						CAS #: 224-42-0		
13.499	13.501	(1.067)	279	162284	4.17279	1200	80.00- 120.00	100.00
13.499	13.501	(1.067)	280	42737			0.00- 54.38	26.33
13.501	13.501	(1.067)	277	42832			0.00- 45.49	26.39

QC Flag Legend

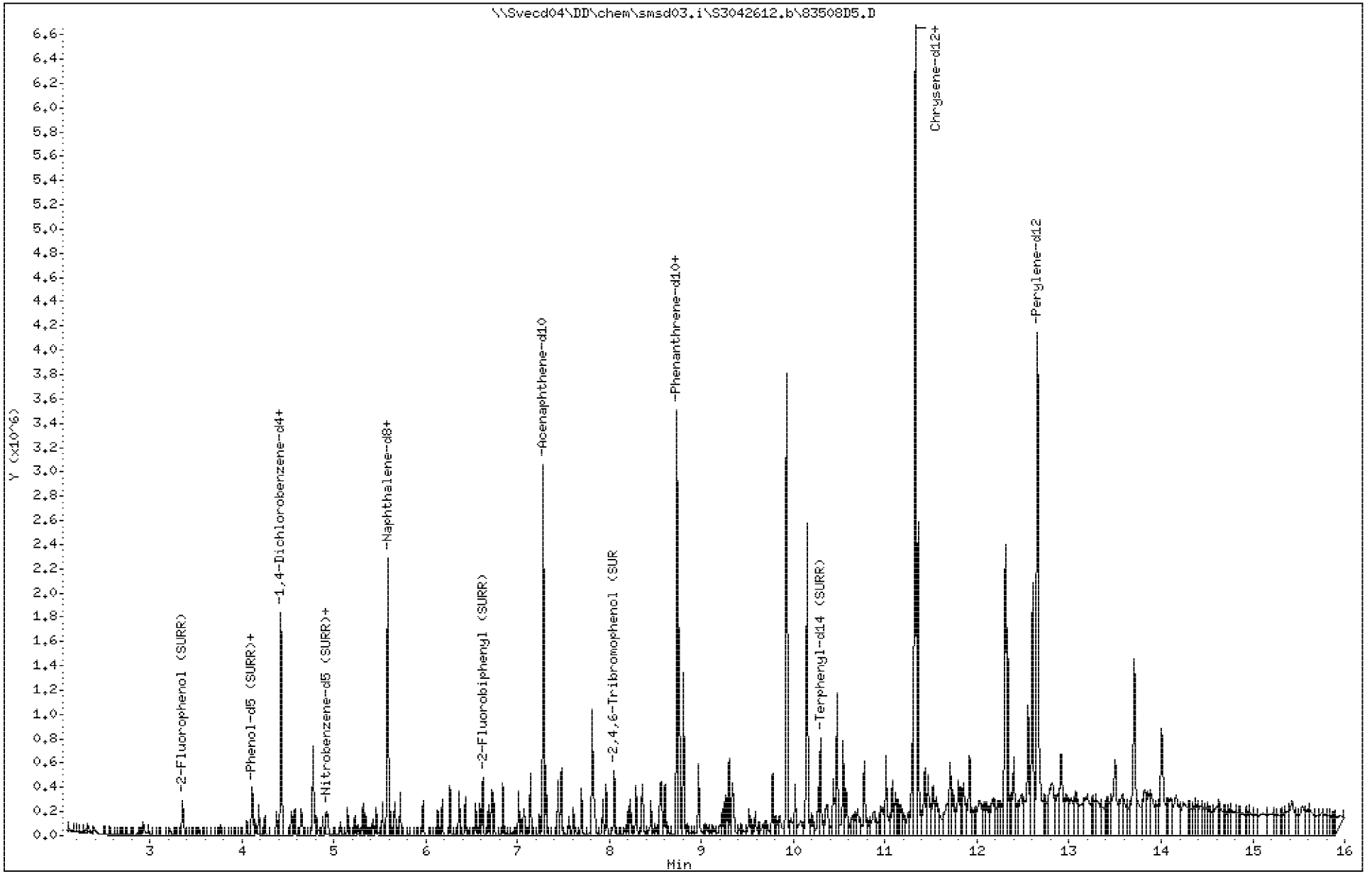
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D
Date : 26-APR-2012 19:34
Client ID: EPAFMC-SD-01SD
Sample Info: sw350583508

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2564

3505835



Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

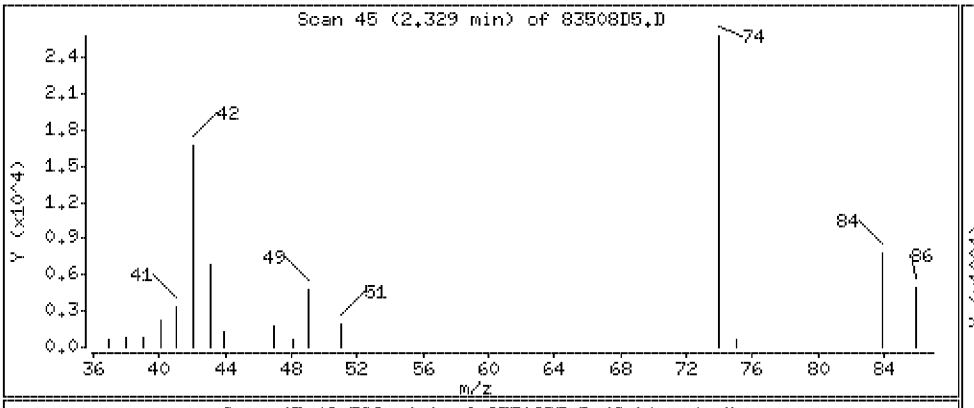
Operator: PEL

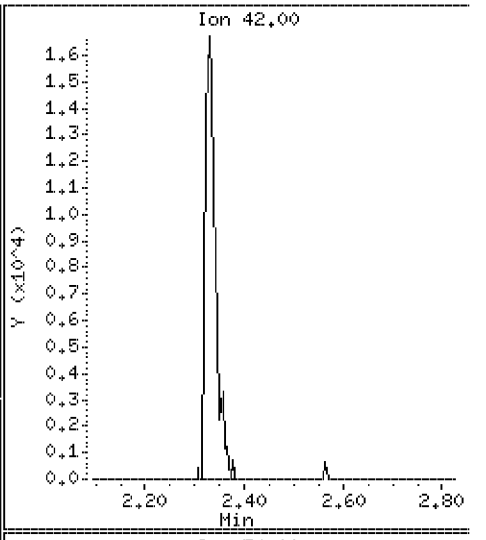
Column phase: HPMS-5

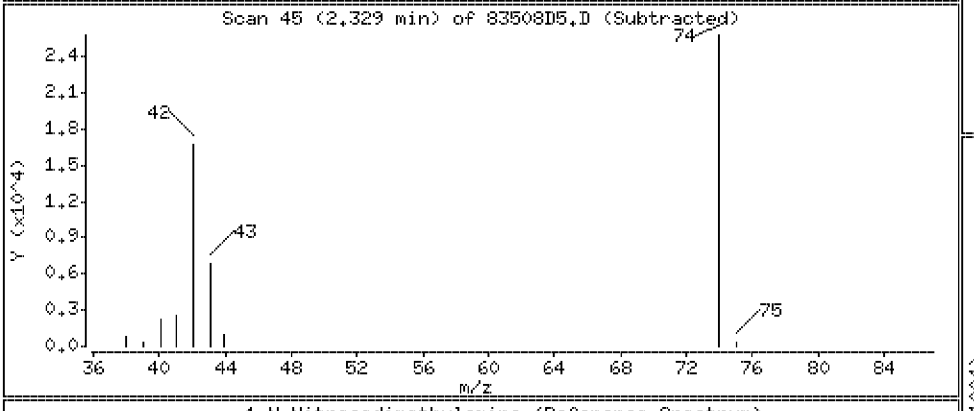
Column diameter: 0.25

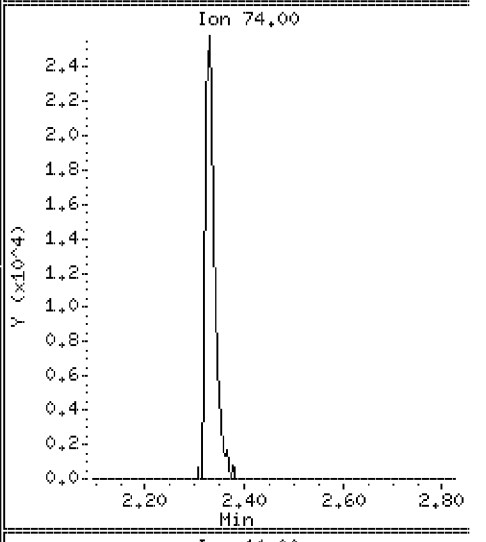
1 N-Nitrosodimethylamine

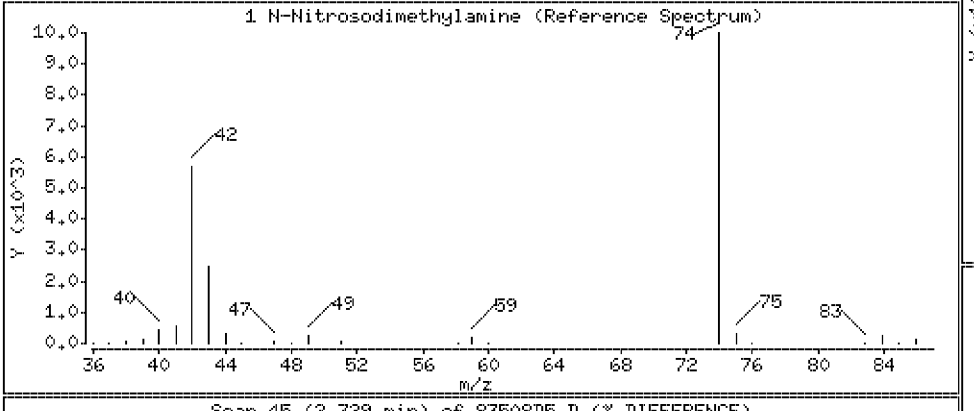
Concentration: 1600 ug/kg

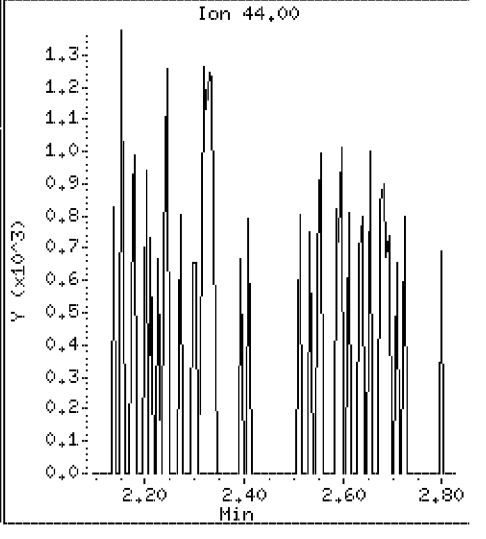


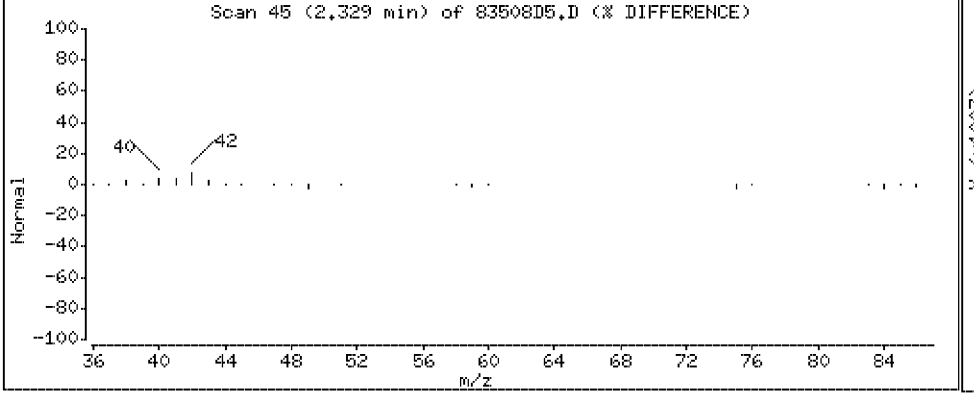












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

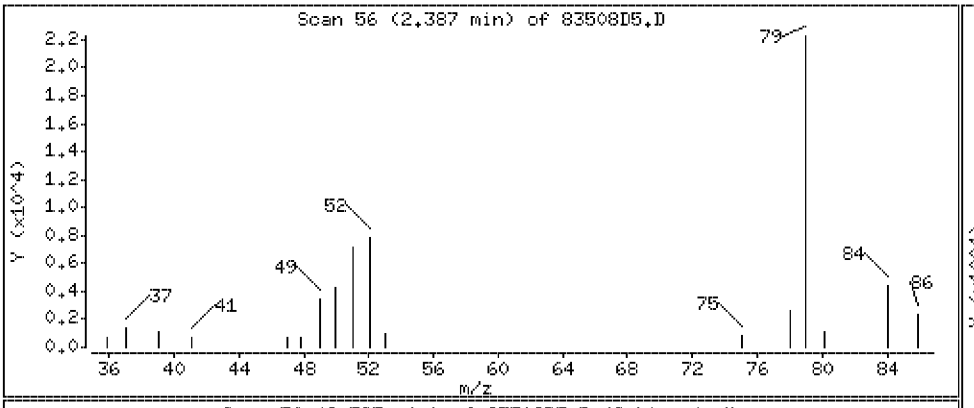
Operator: PEL

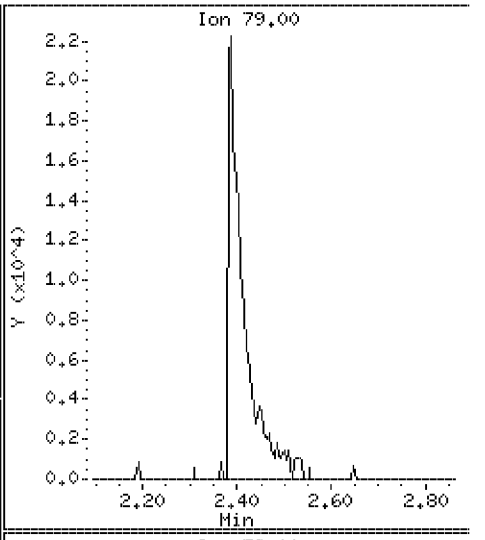
Column phase: HPMS-5

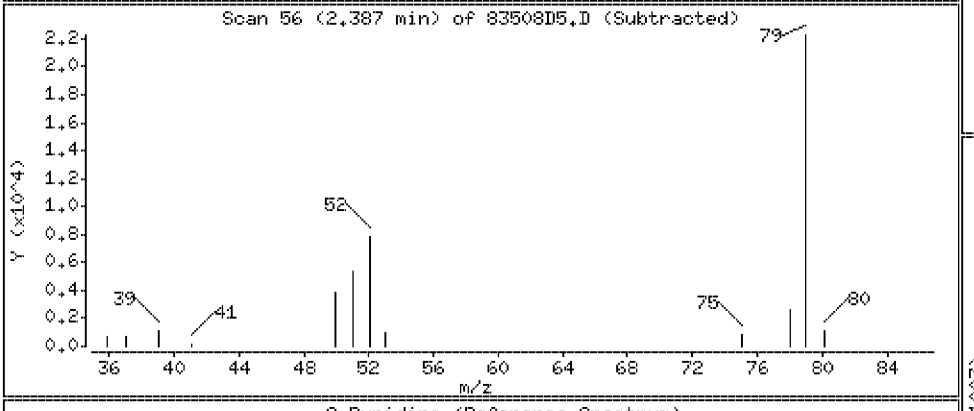
Column diameter: 0.25

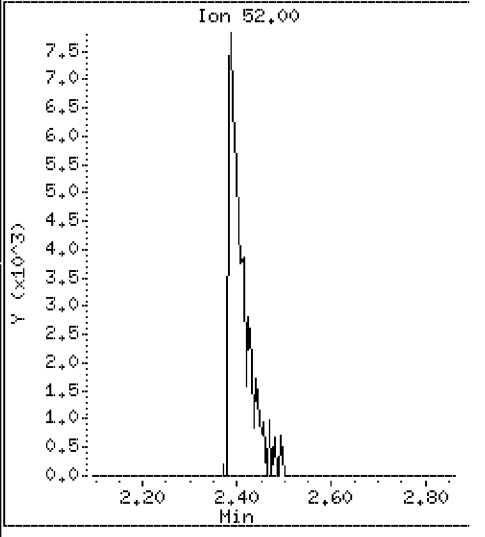
2 Pyridine

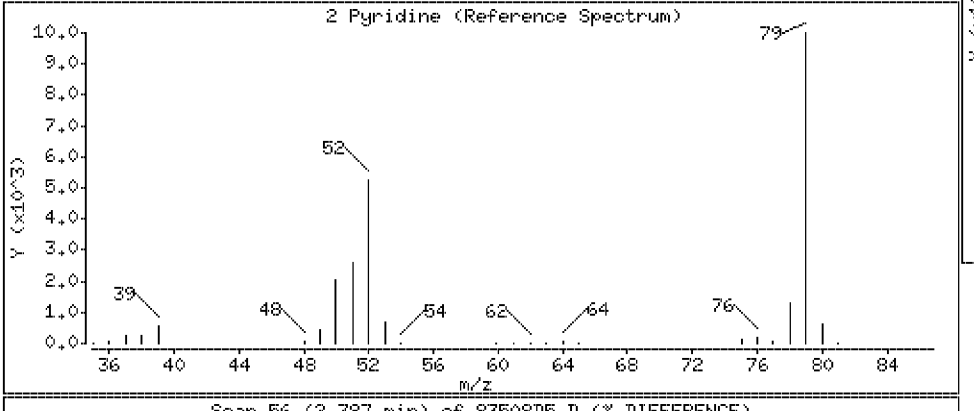
Concentration: 1500 ug/kg

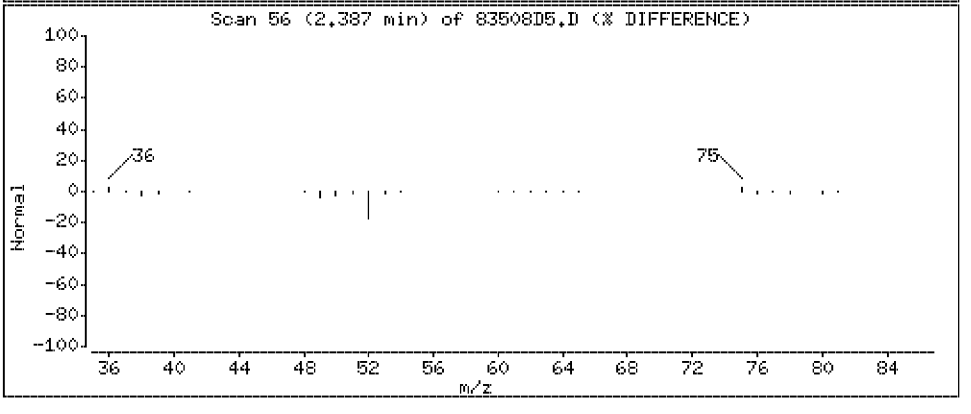












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

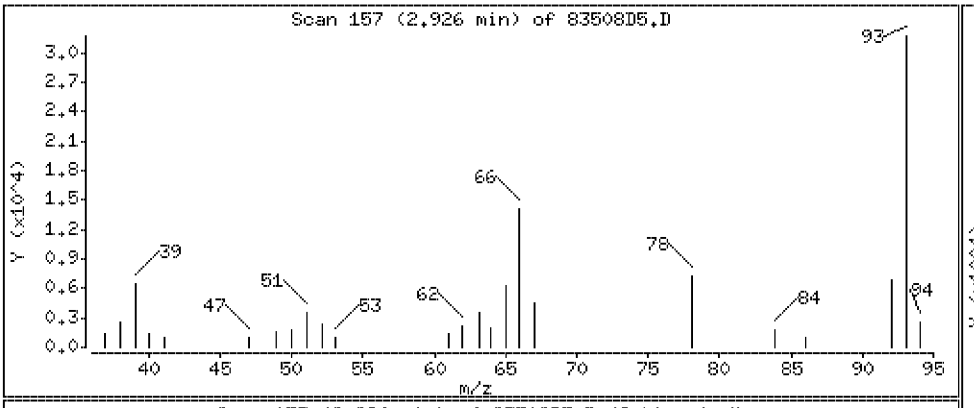
Operator: PEL

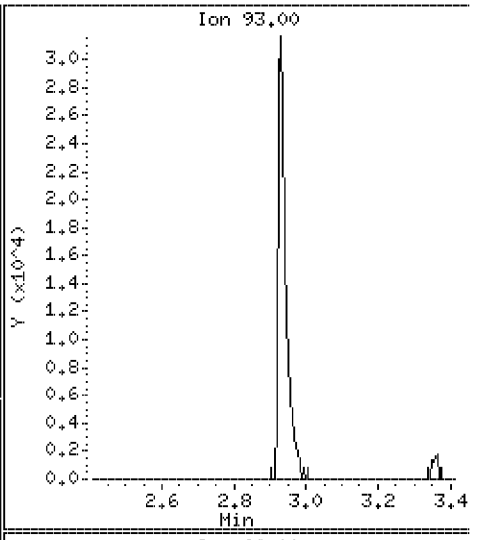
Column phase: HPMS-5

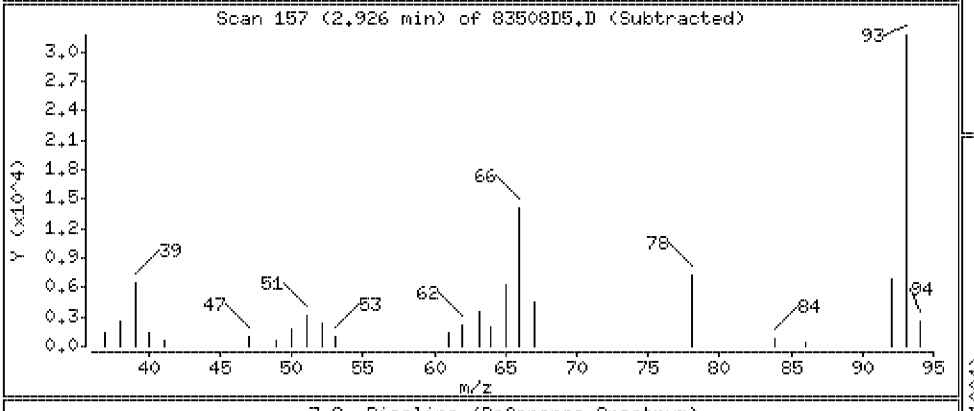
Column diameter: 0.25

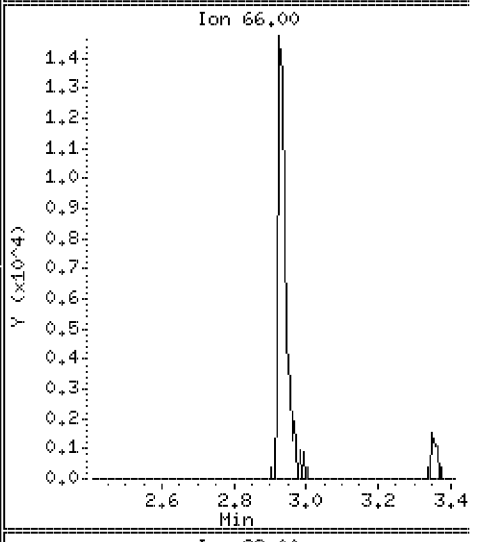
3 2- Picoline

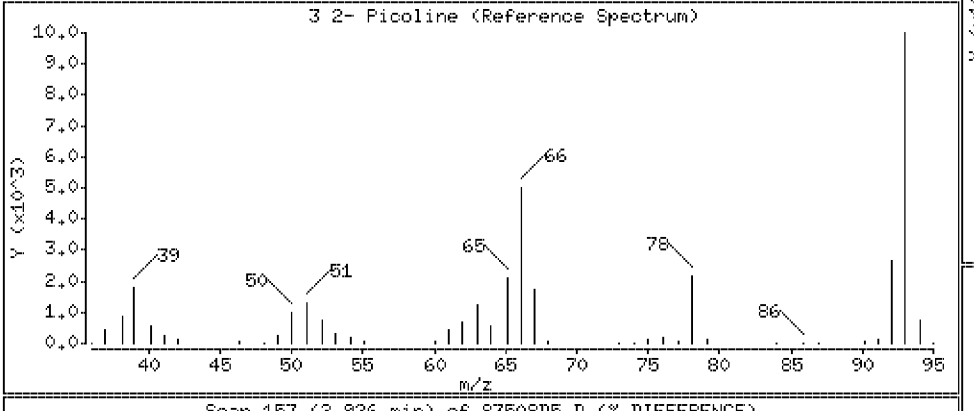
Concentration: 1410 ug/kg

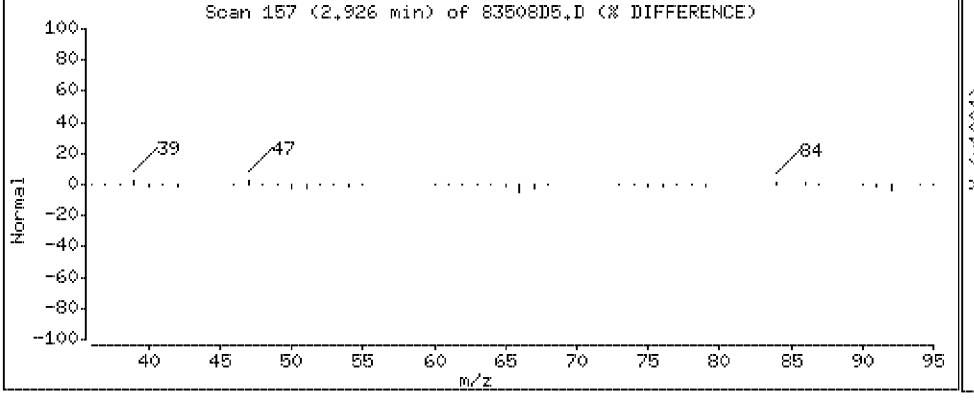


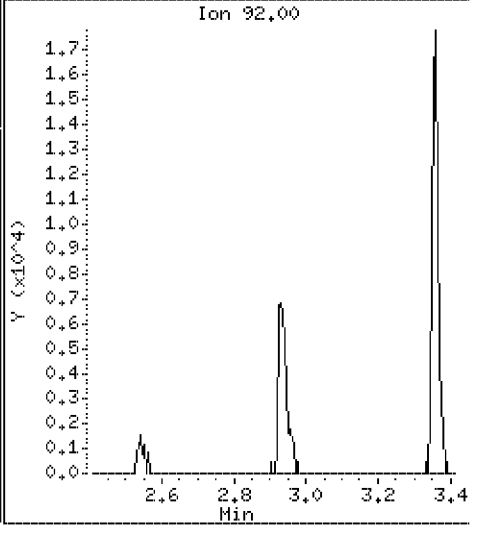












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

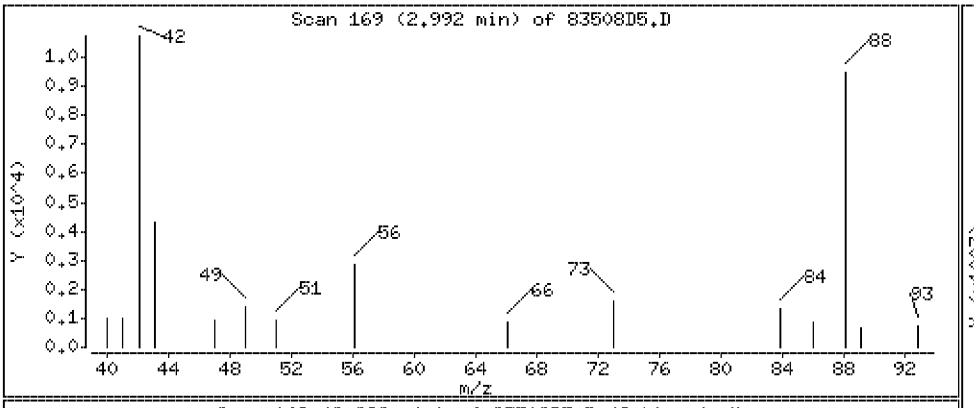
Operator: PEL

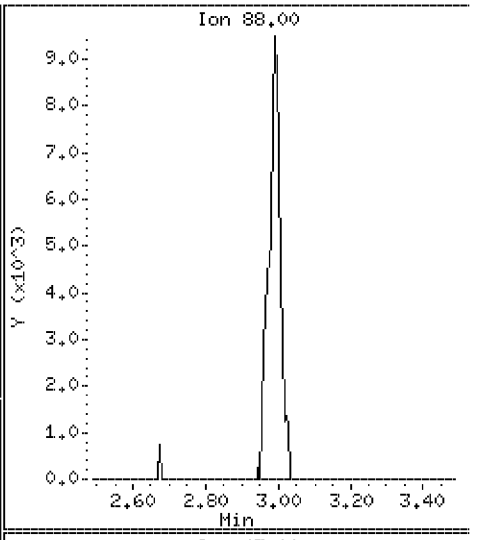
Column phase: HPMS-5

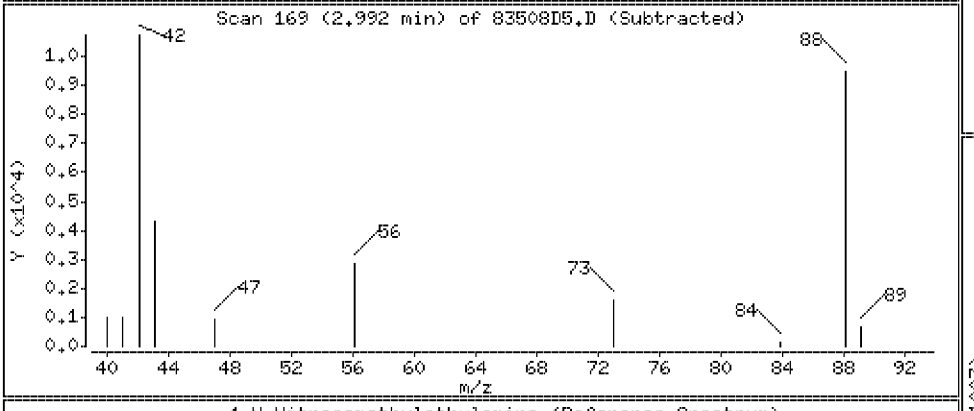
Column diameter: 0.25

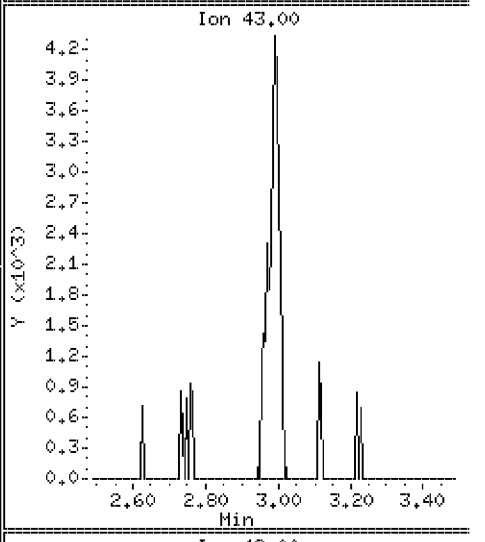
4 N-Nitrosomethylethylamine

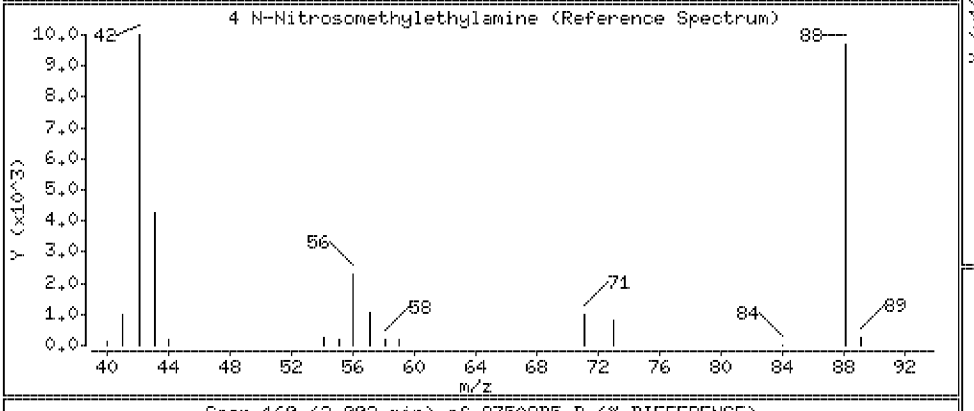
Concentration: 1480 ug/kg

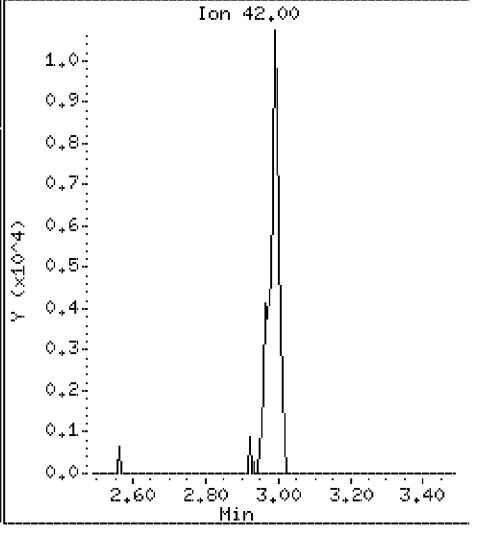


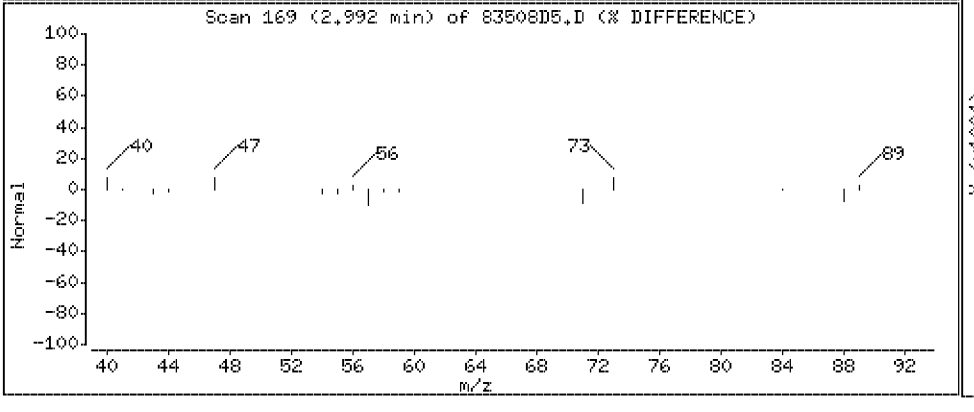












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

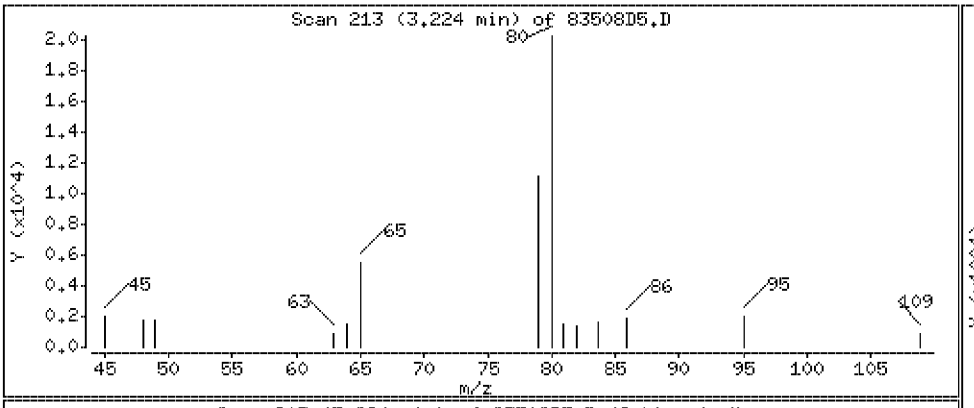
Operator: PEL

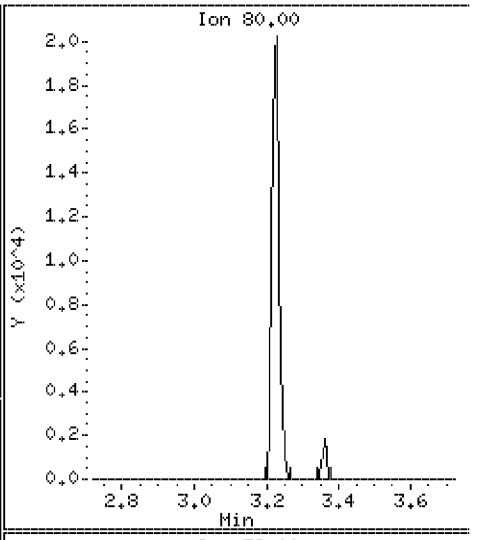
Column phase: HPMS-5

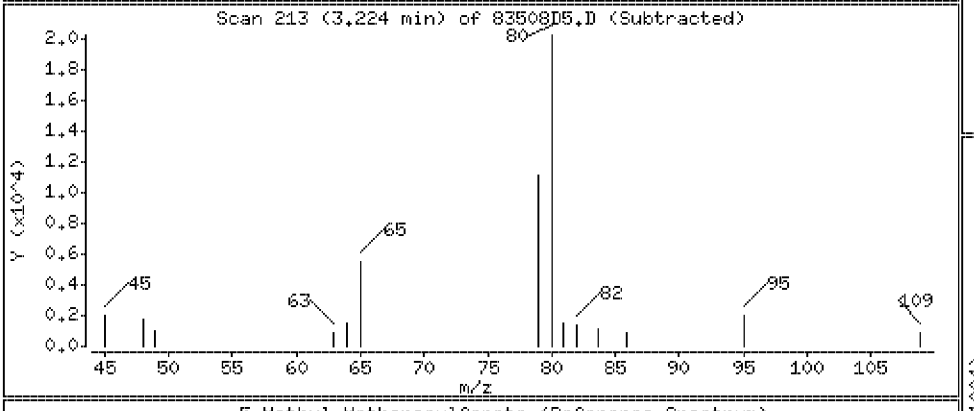
Column diameter: 0.25

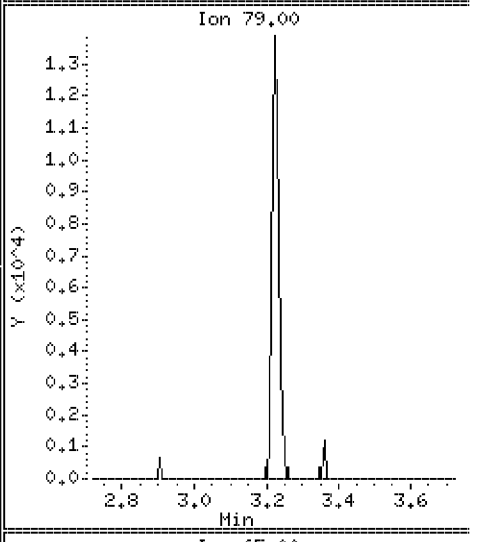
5 Methyl Methanesulfonate

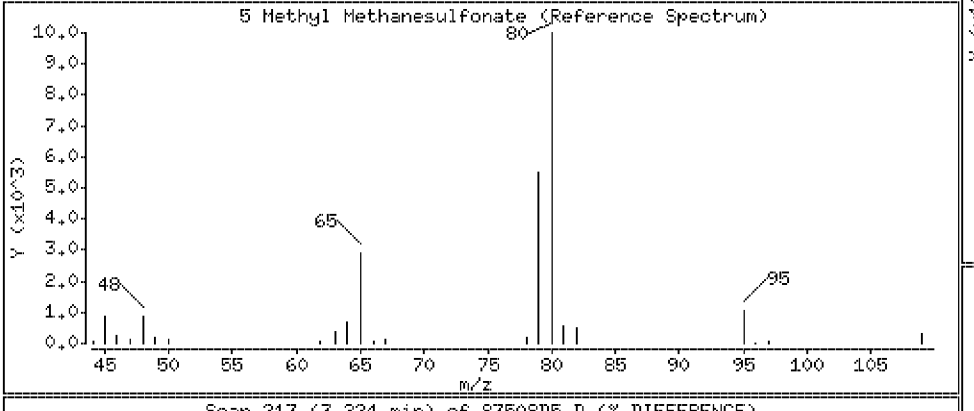
Concentration: 1010 ug/kg

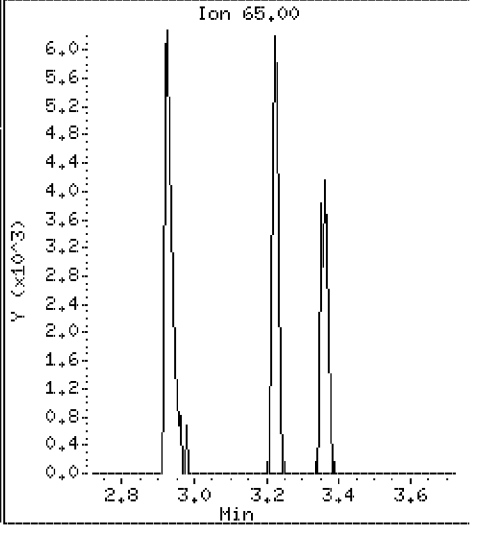


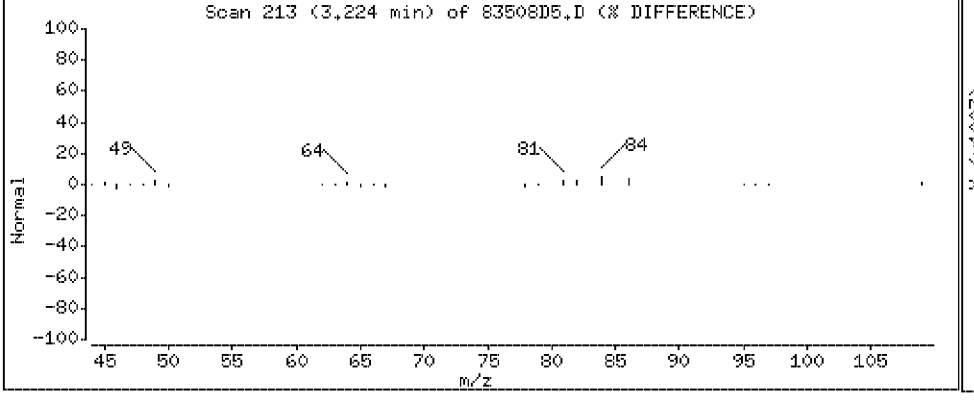












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

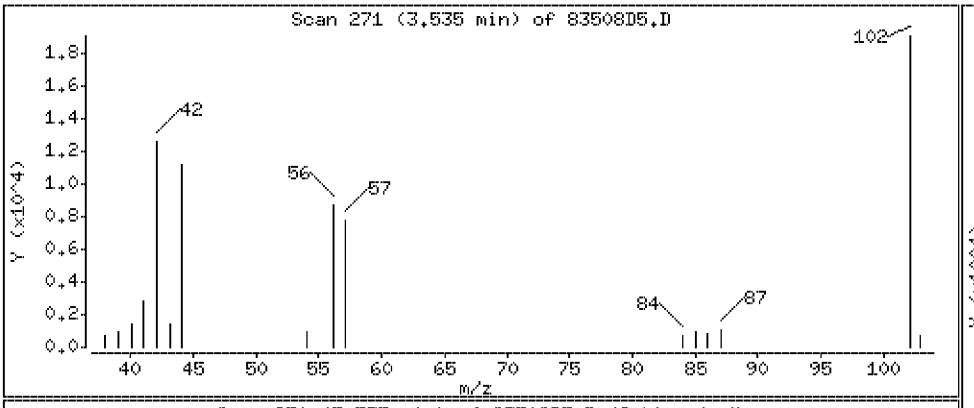
Operator: PEL

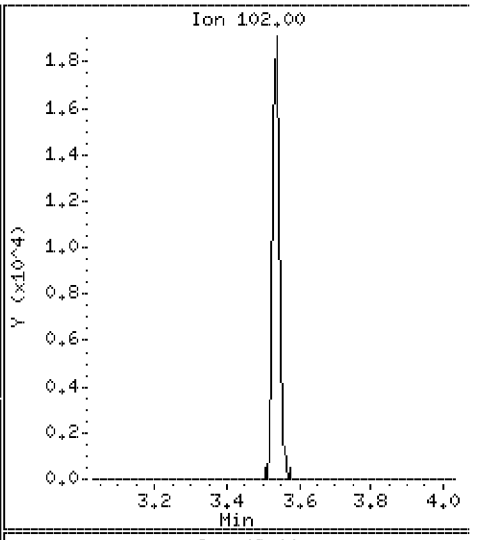
Column phase: HPMS-5

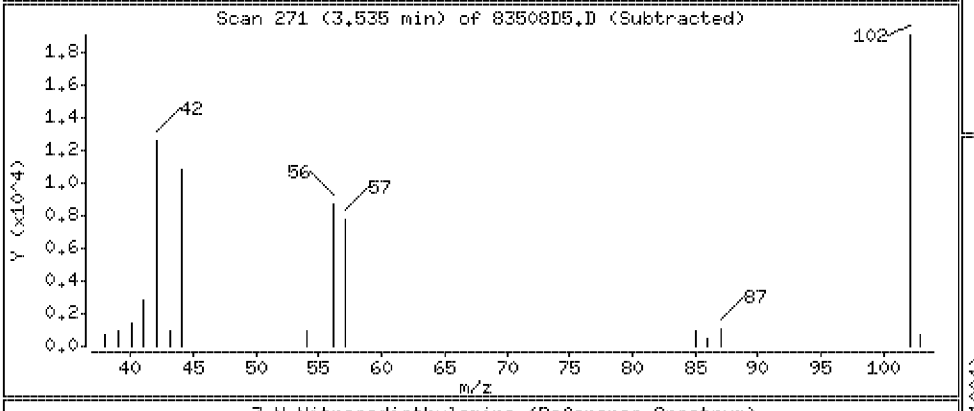
Column diameter: 0.25

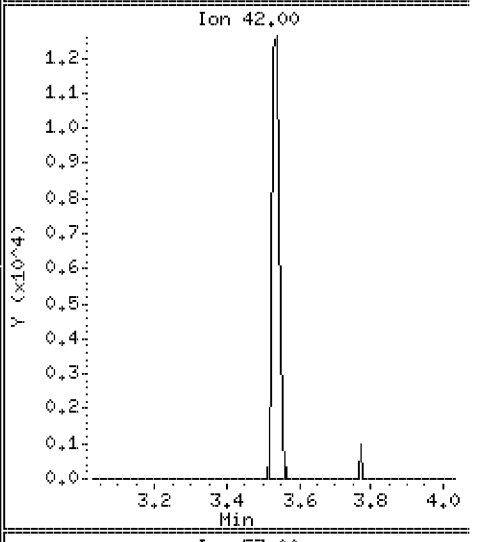
7 N-Nitrosodiethylamine

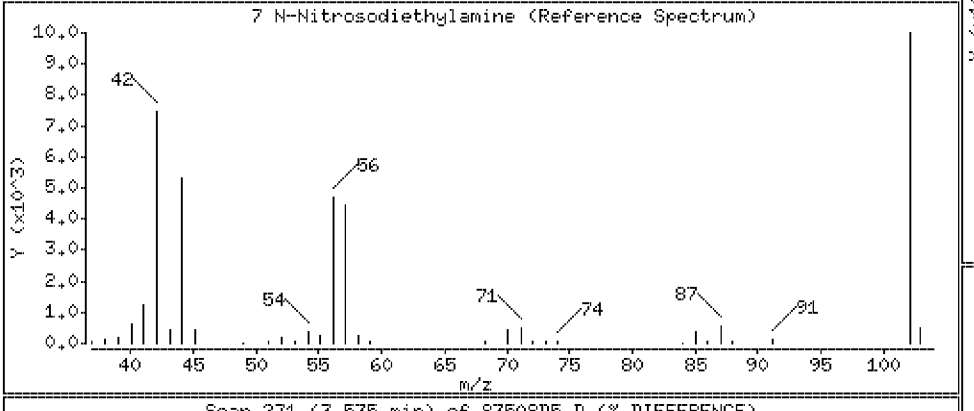
Concentration: 1440 ug/kg

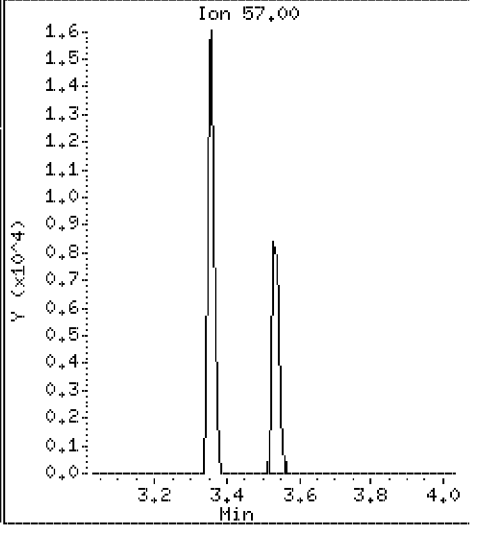


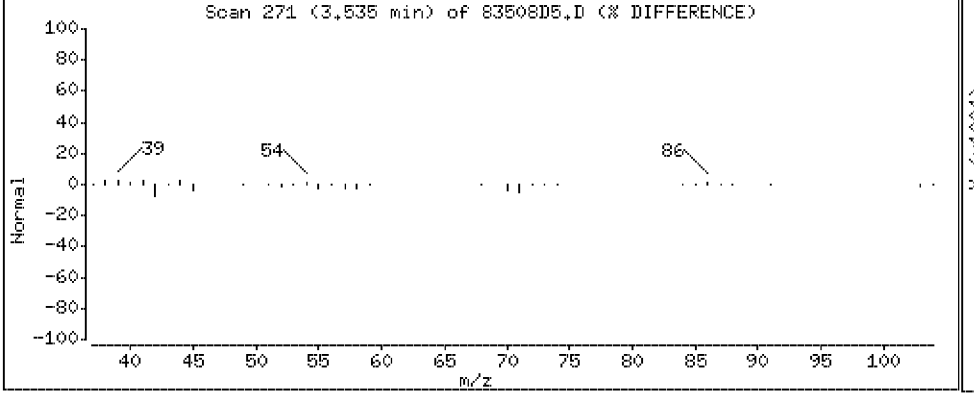












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

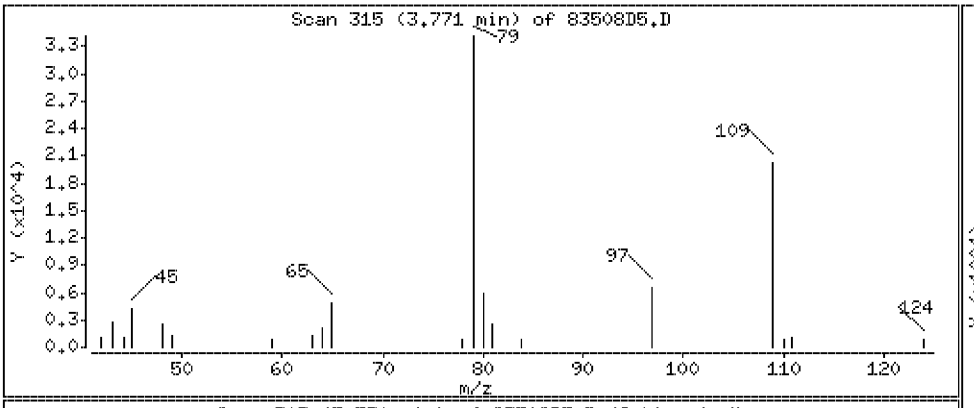
Operator: PEL

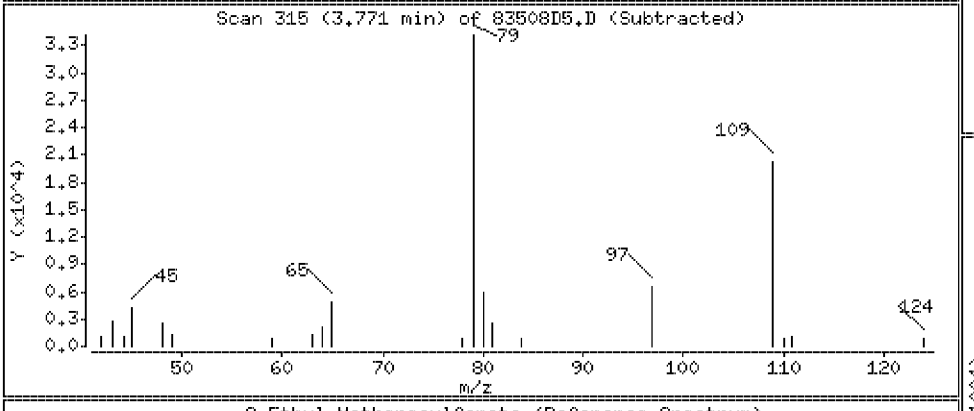
Column phase: HPMS-5

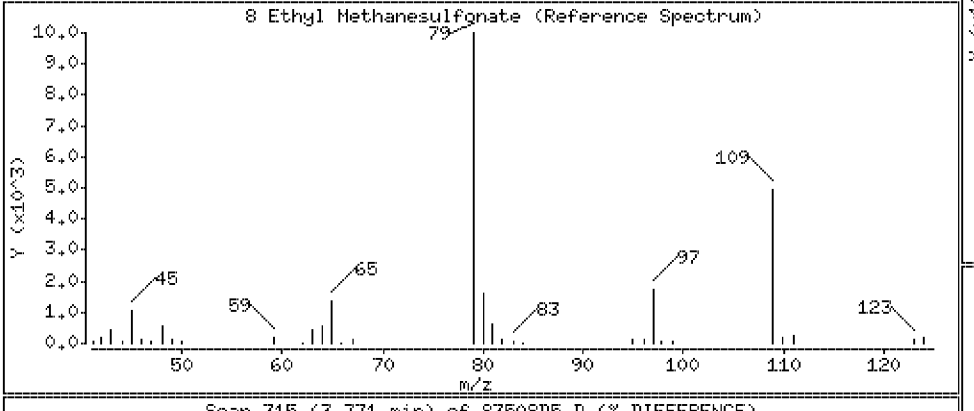
Column diameter: 0.25

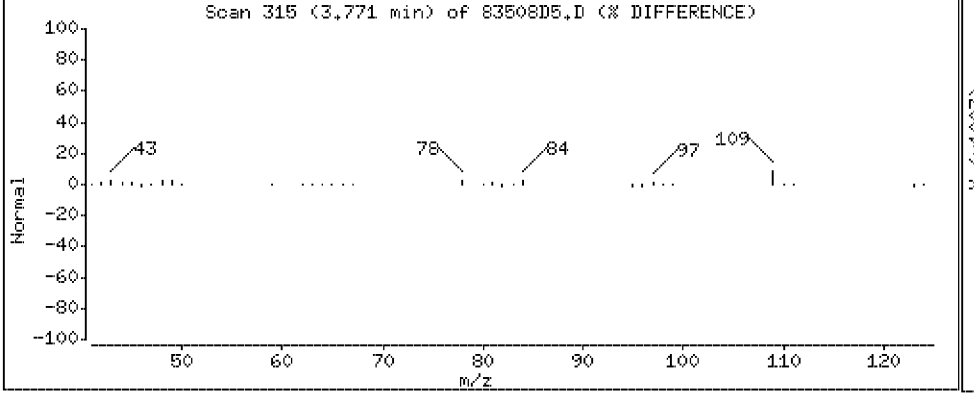
8 Ethyl Methanesulfonate

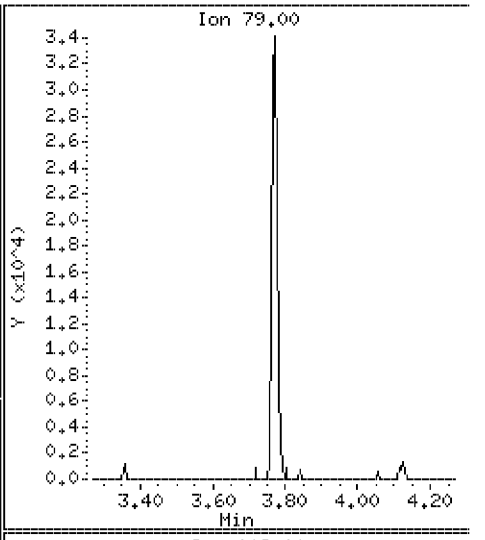
Concentration: 1480 ug/kg

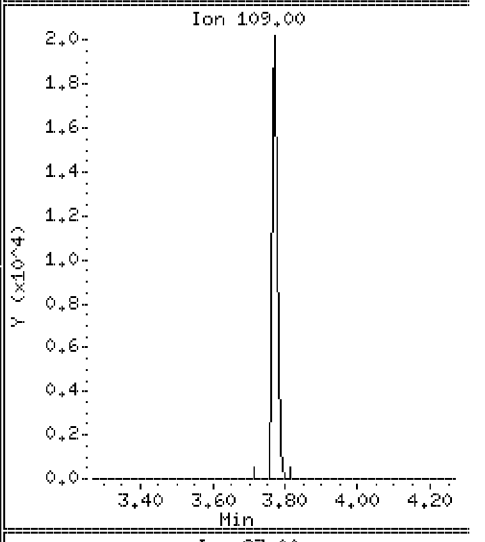


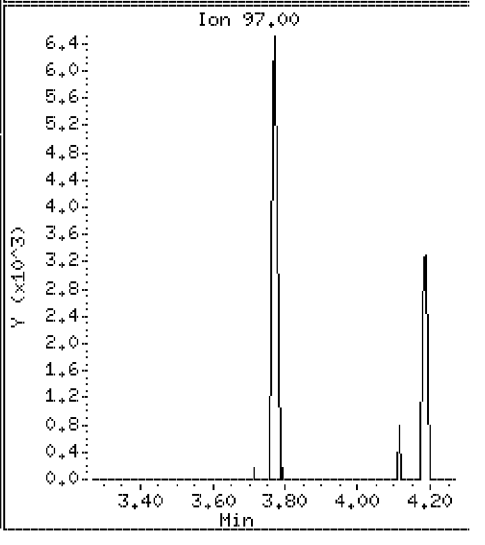












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

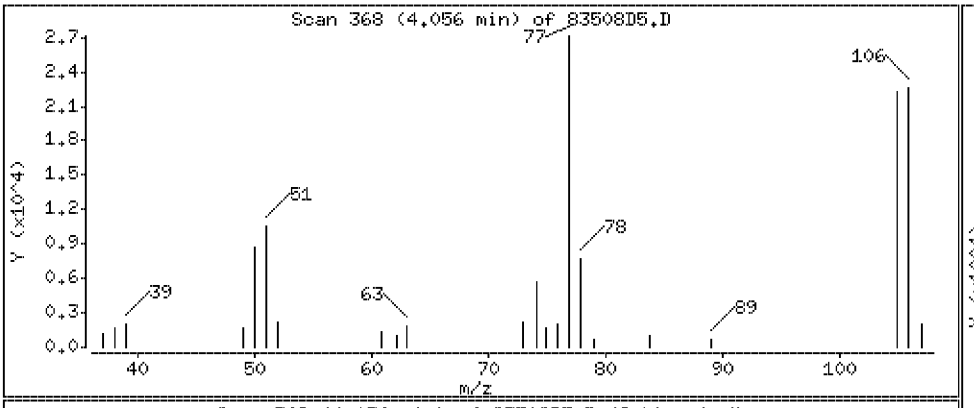
Operator: PEL

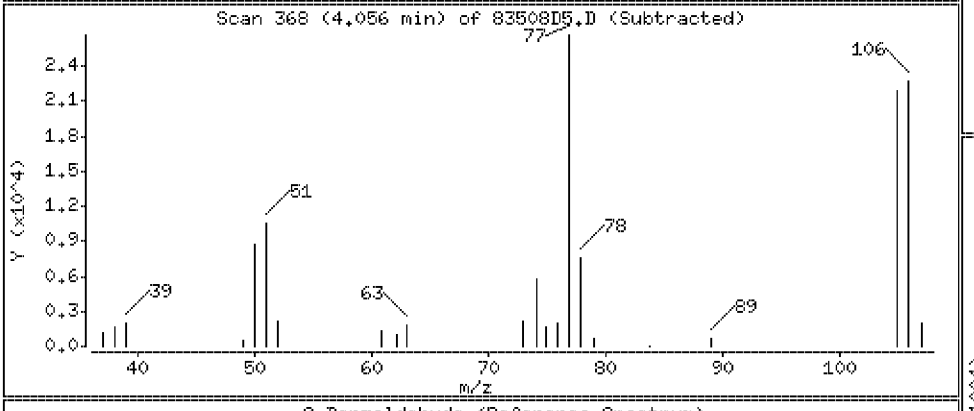
Column phase: HPMS-5

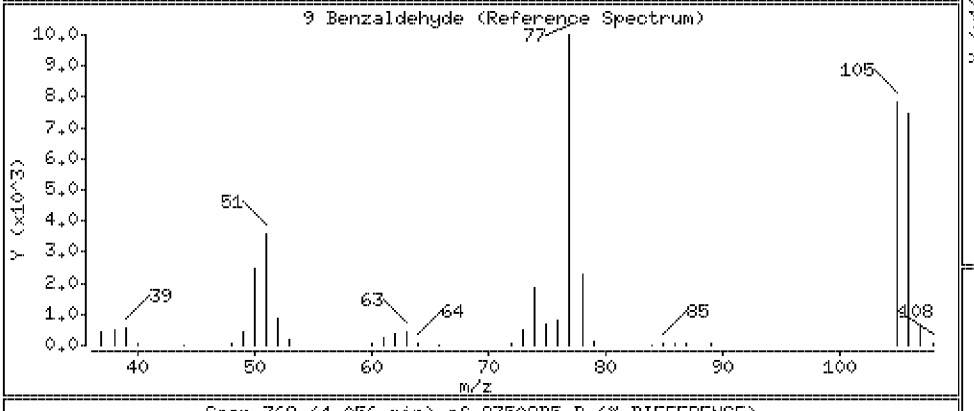
Column diameter: 0.25

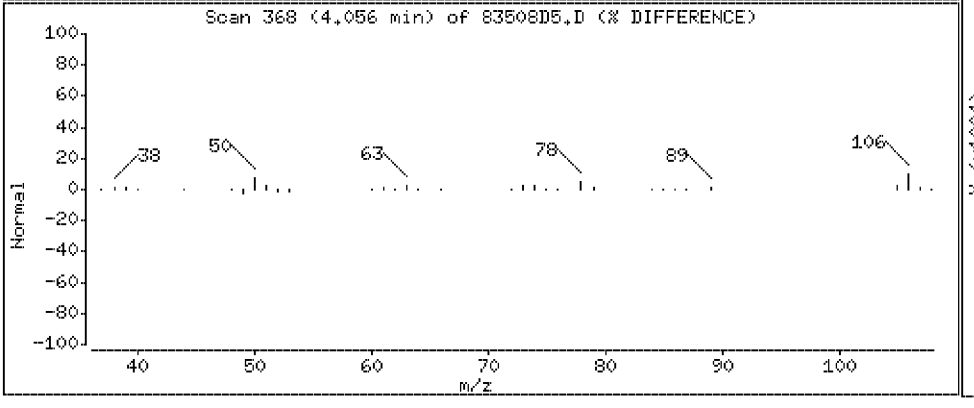
9 Benzaldehyde

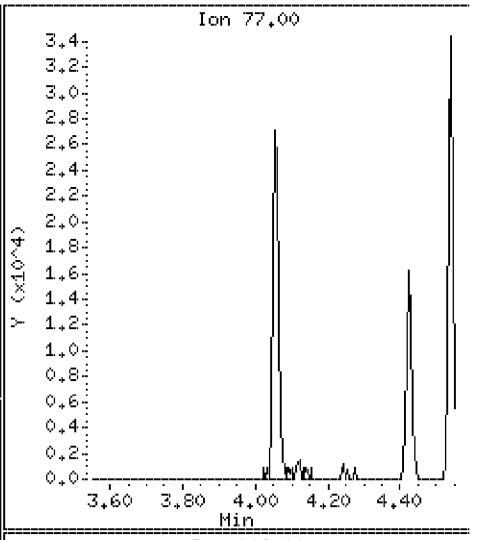
Concentration: 1080 ug/kg

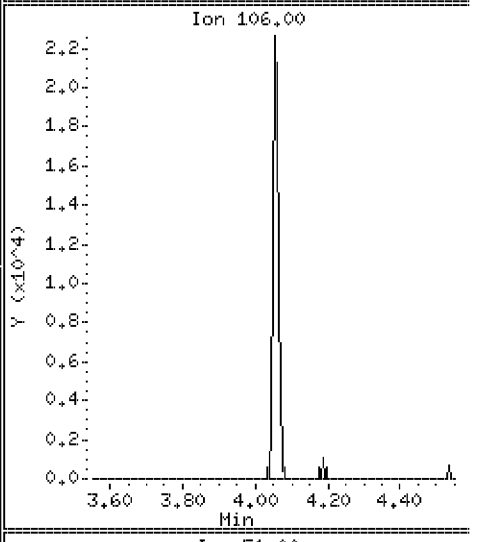


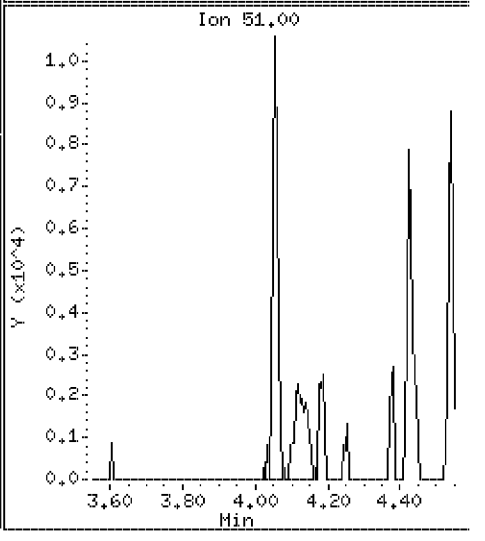












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

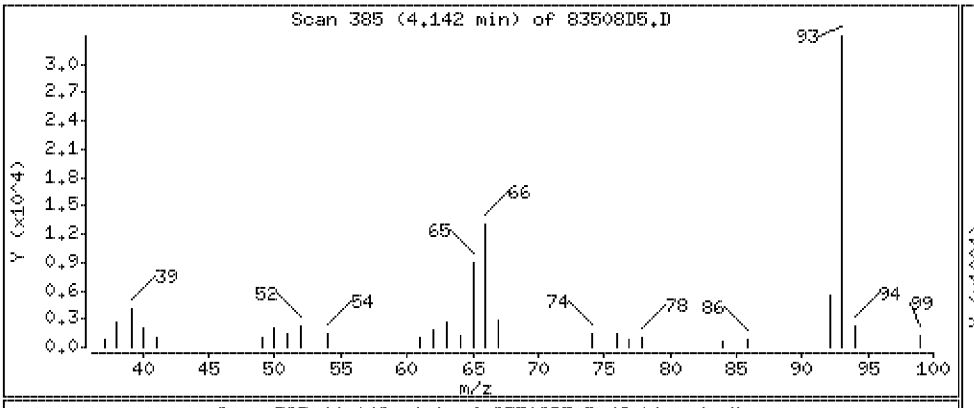
Operator: PEL

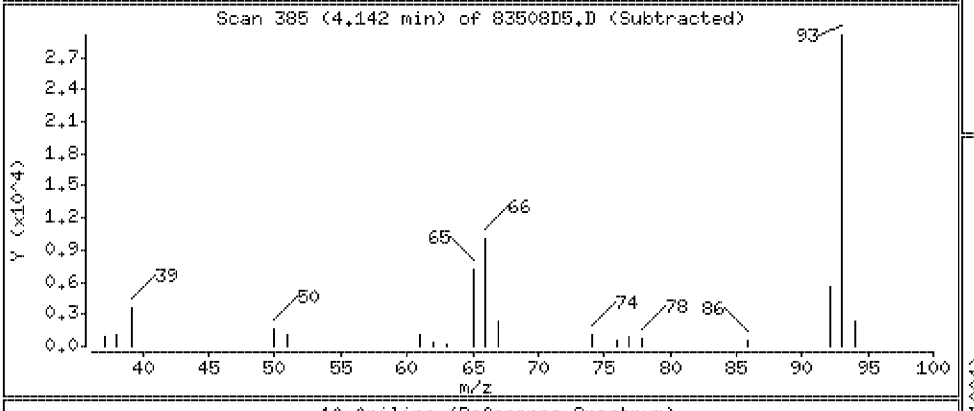
Column phase: HPMS-5

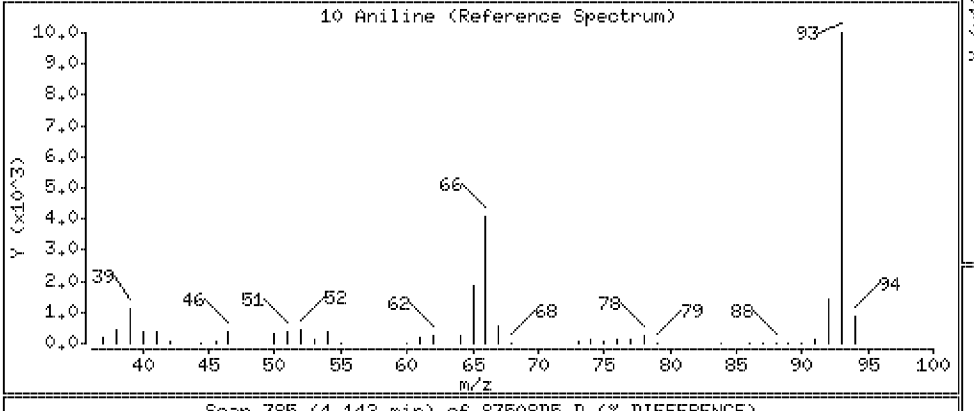
Column diameter: 0.25

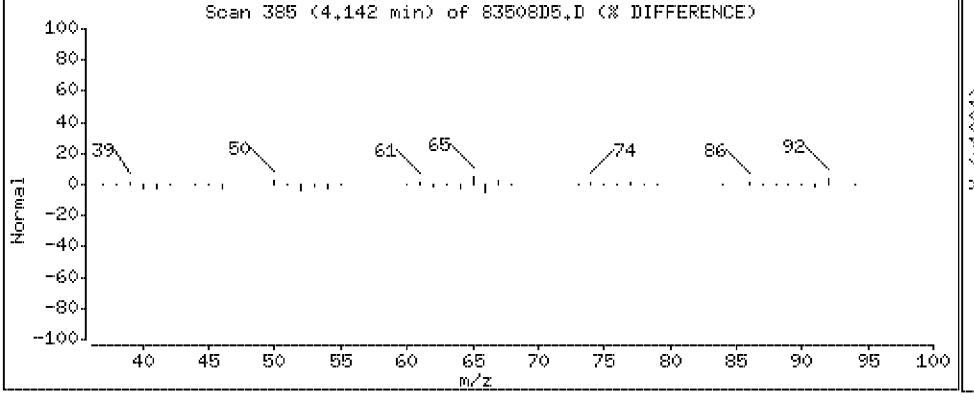
10 Aniline

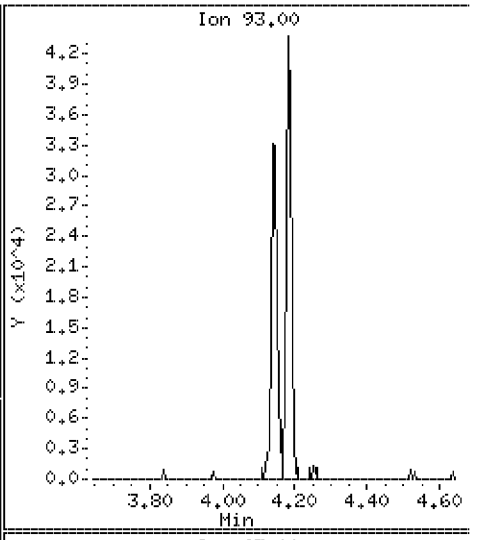
Concentration: 859 ug/kg

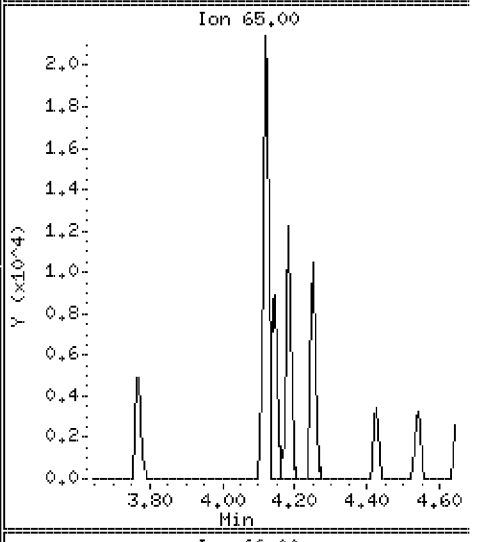


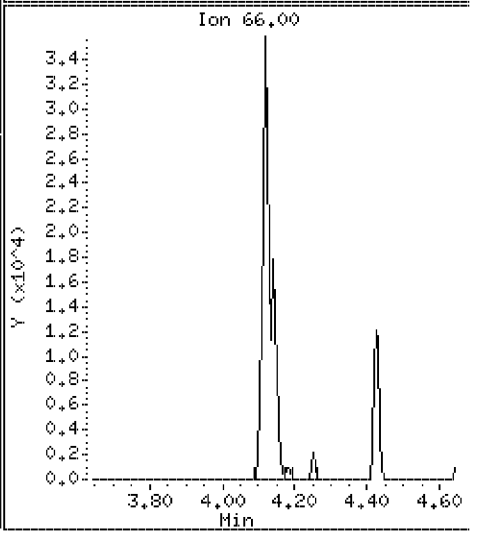












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

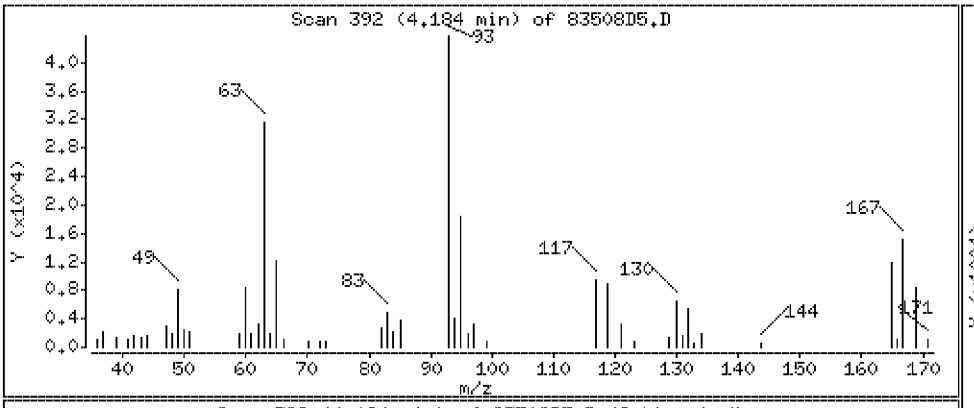
Operator: PEL

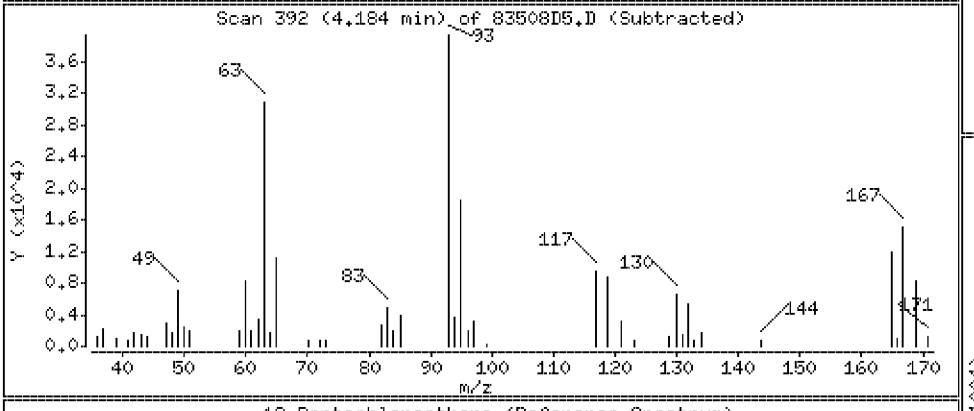
Column phase: HPMS-5

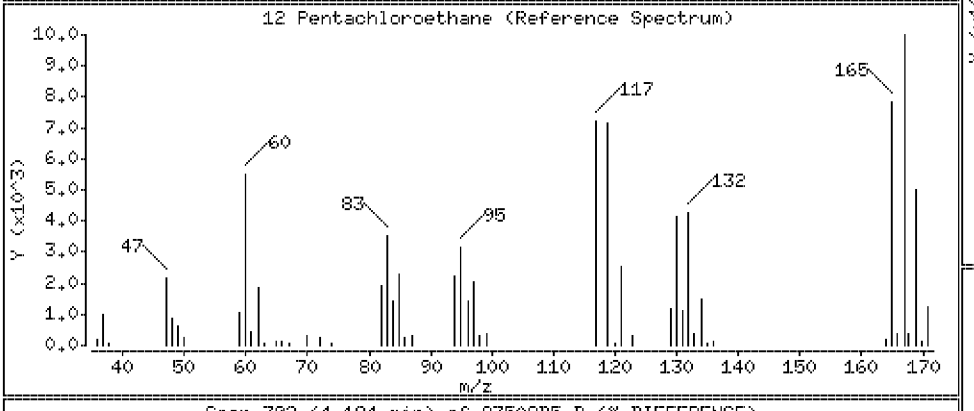
Column diameter: 0.25

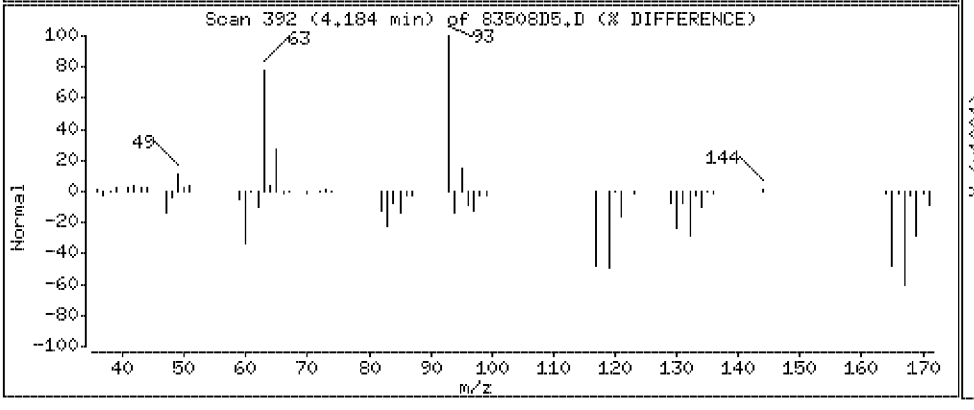
12 Pentachloroethane

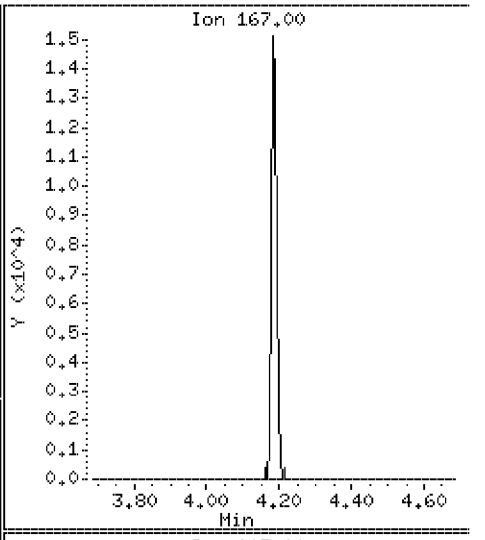
Concentration: 1090 ug/kg

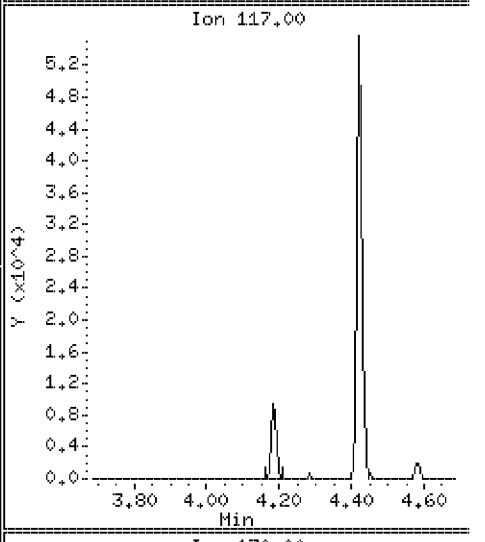


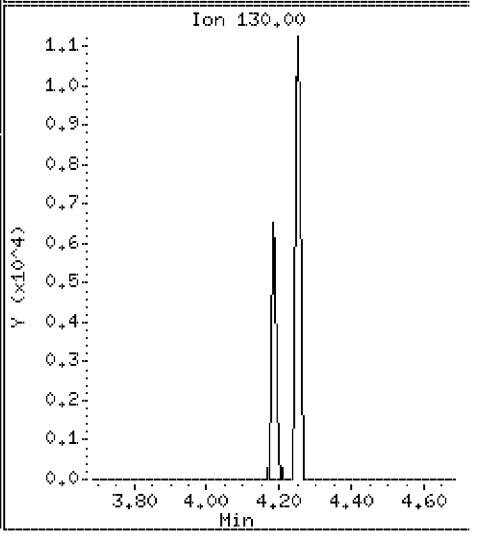












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

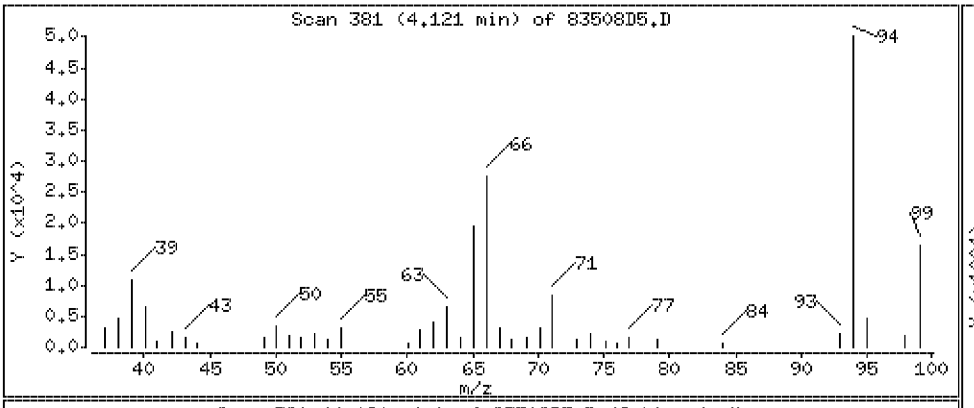
Operator: PEL

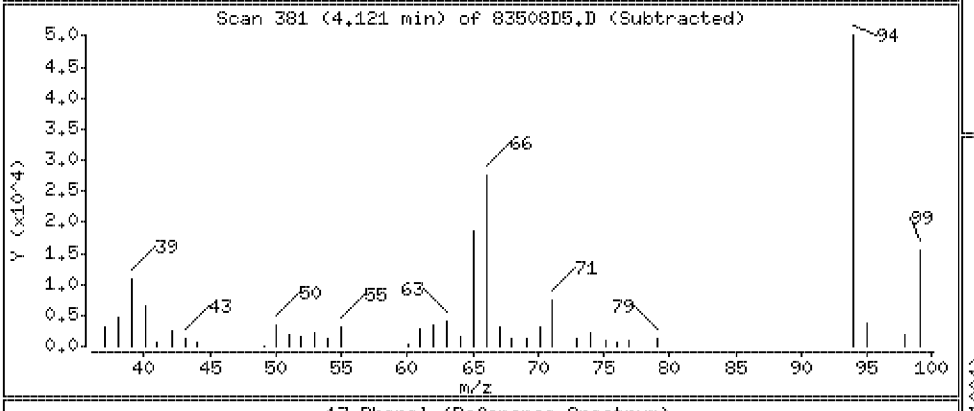
Column phase: HPMS-5

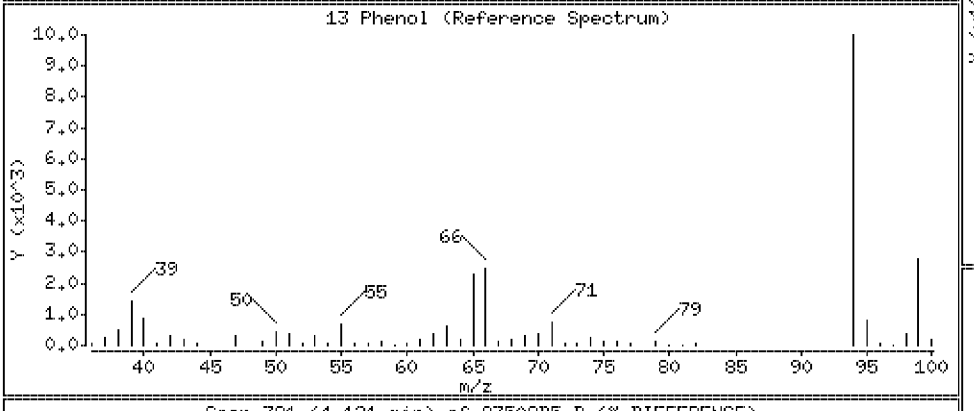
Column diameter: 0.25

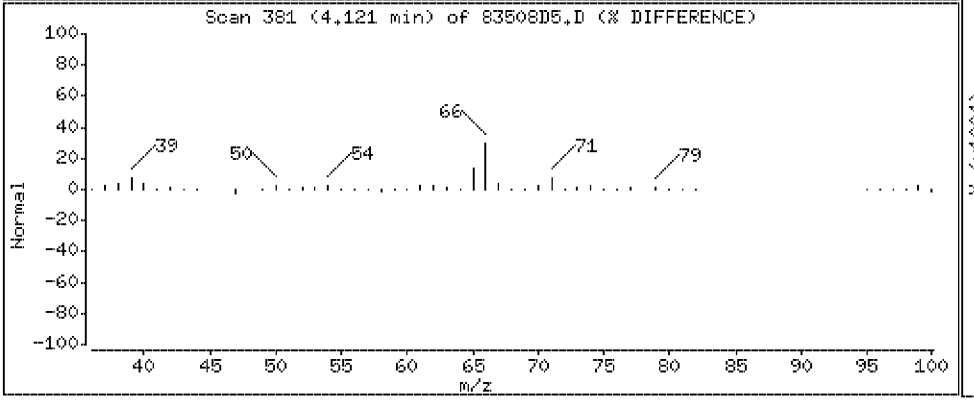
13 Phenol

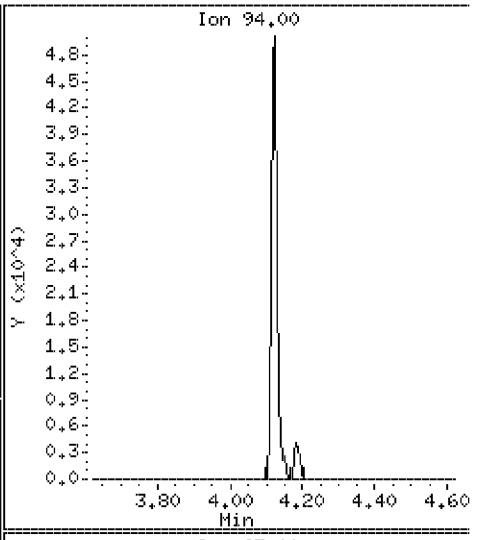
Concentration: 1370 ug/kg

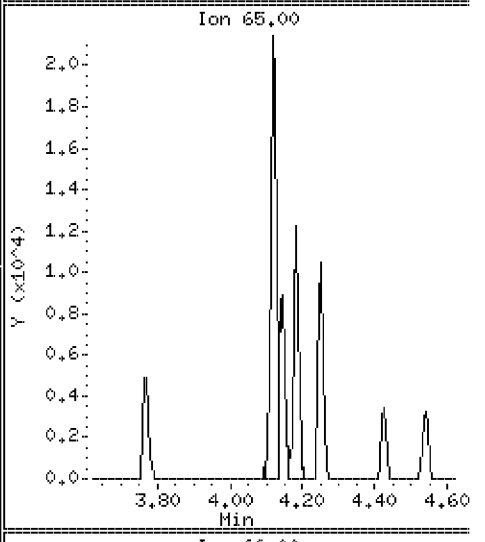


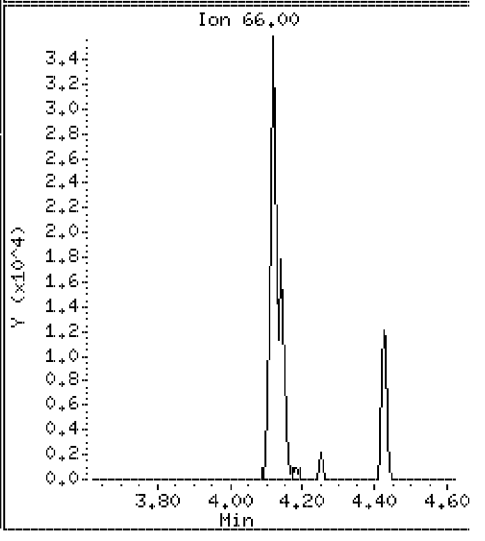












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

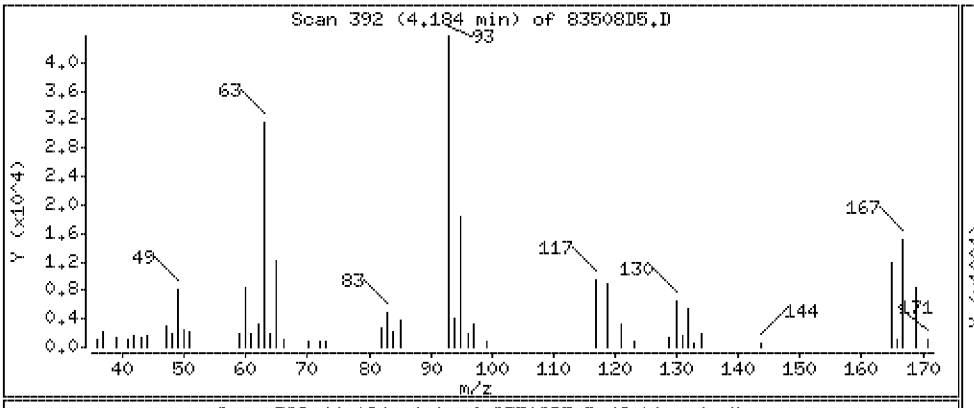
Operator: PEL

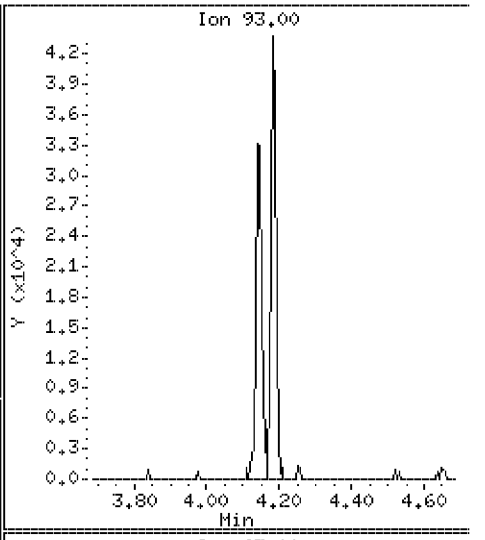
Column phase: HPMS-5

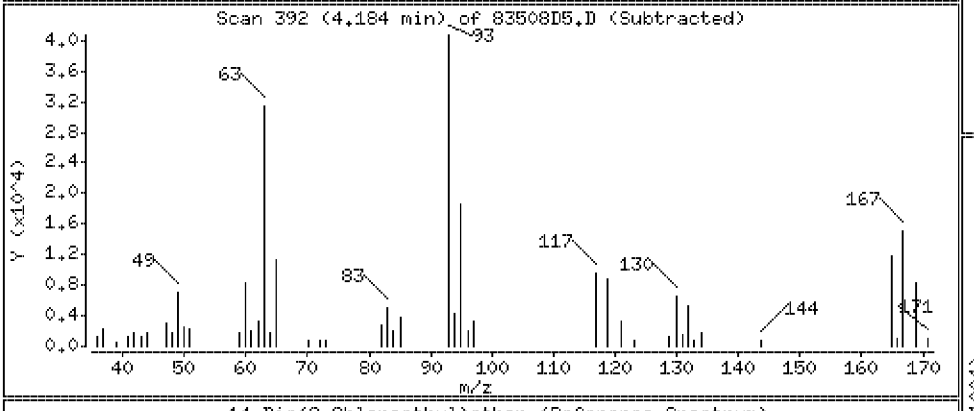
Column diameter: 0.25

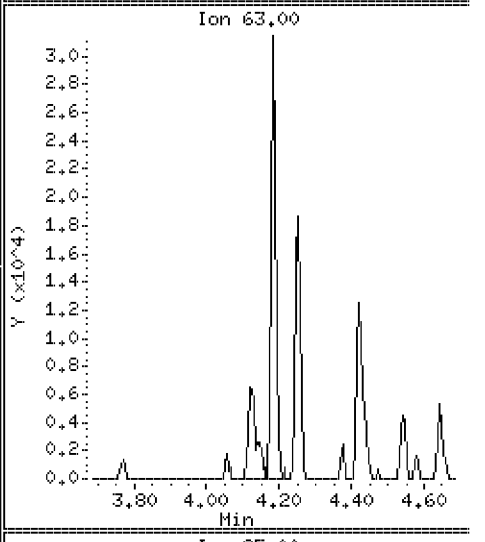
14 Bis(2-Chloroethyl)ether

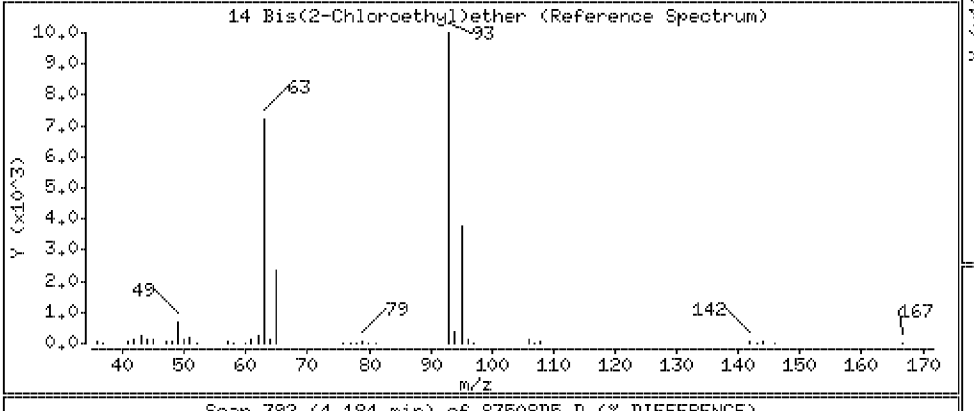
Concentration: 1730 ug/kg

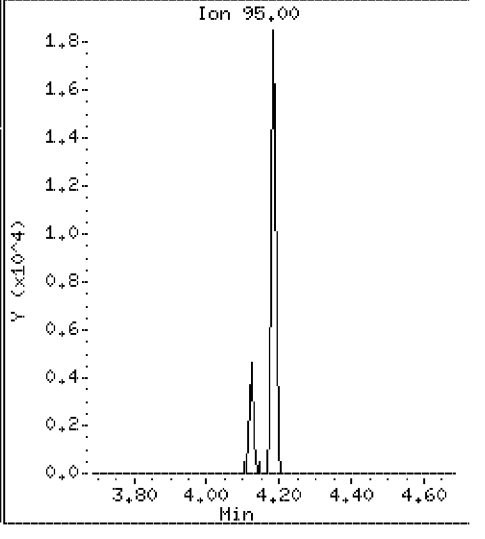


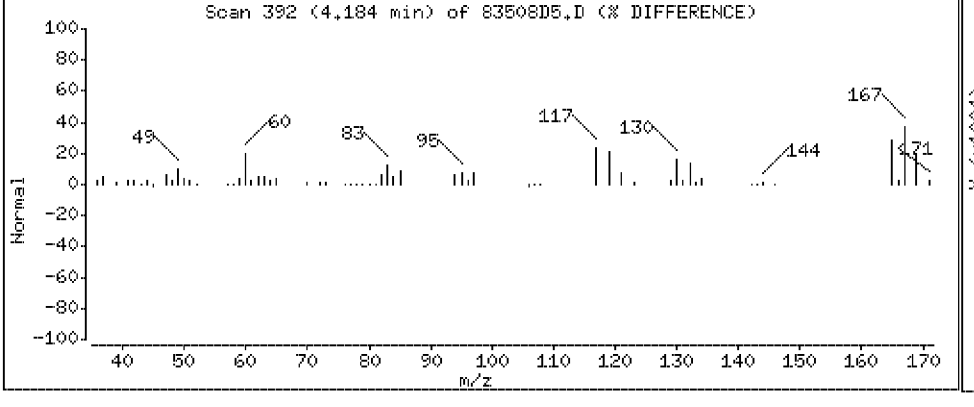












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

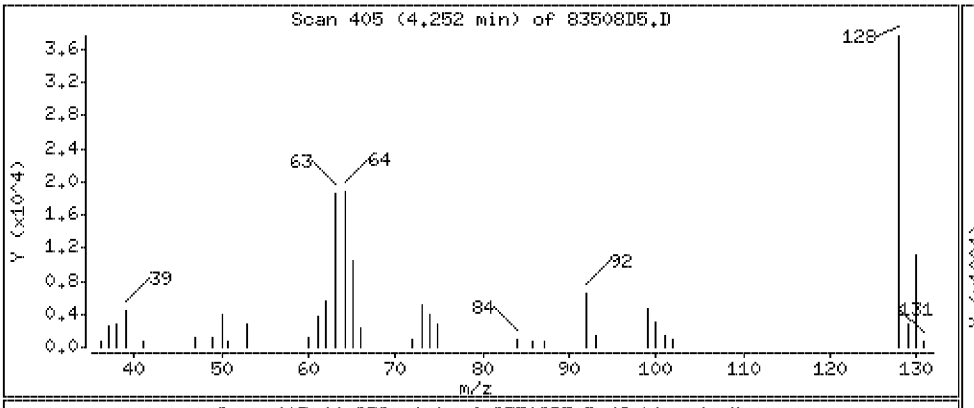
Operator: PEL

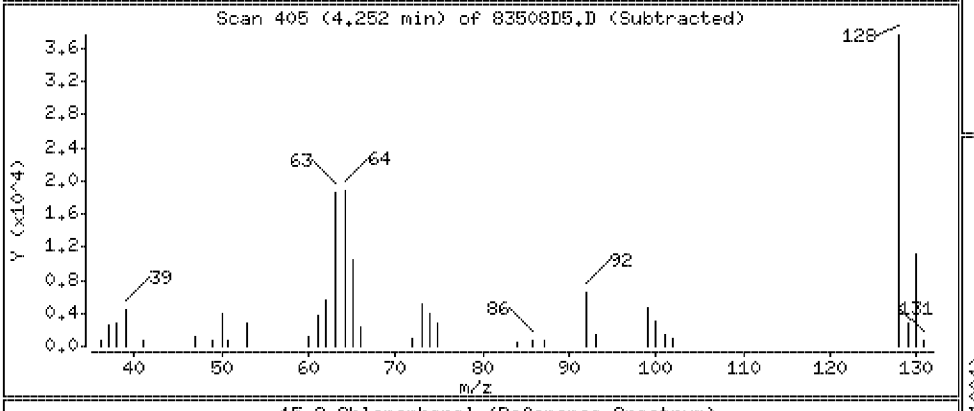
Column phase: HPMS-5

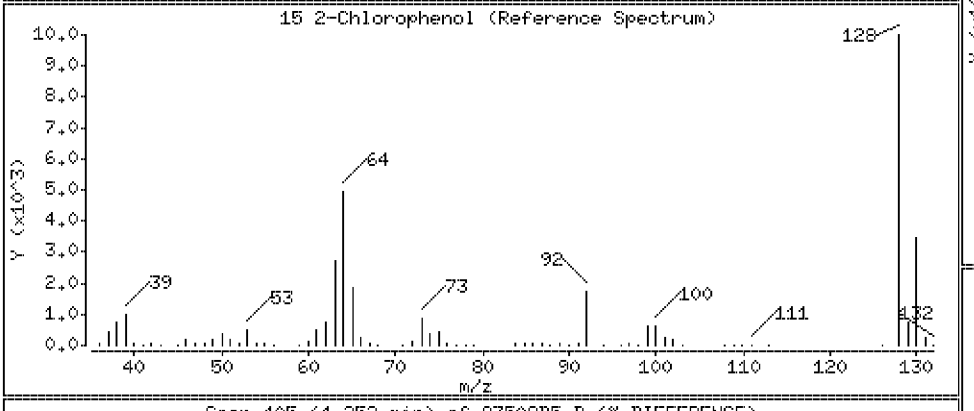
Column diameter: 0.25

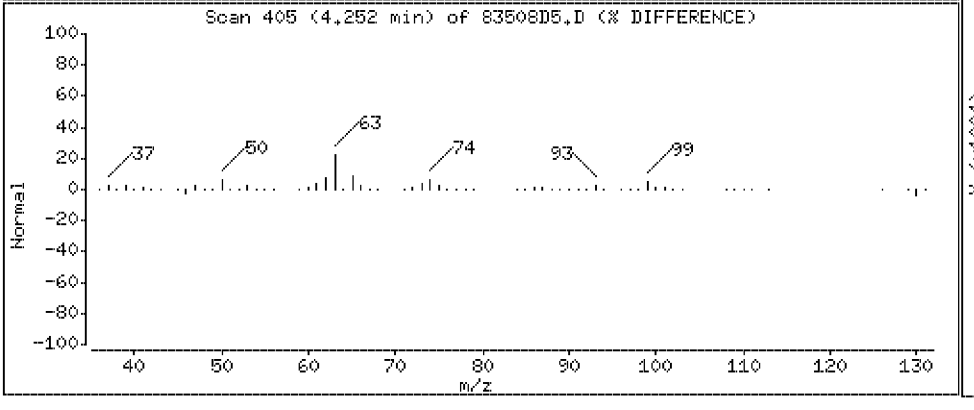
15 2-Chlorophenol

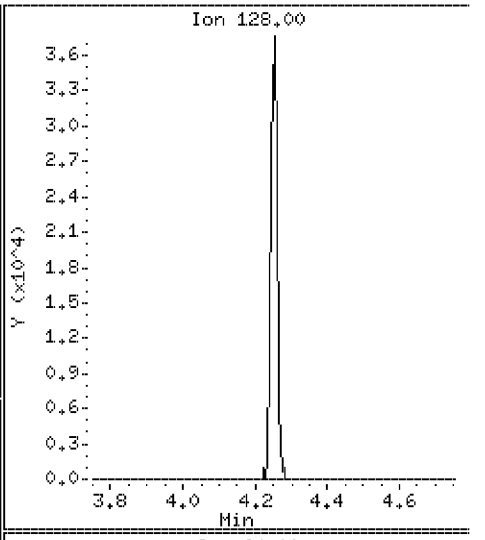
Concentration: 1400 ug/kg

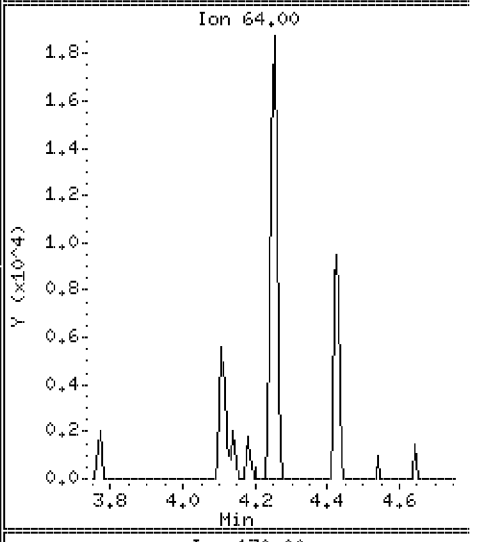


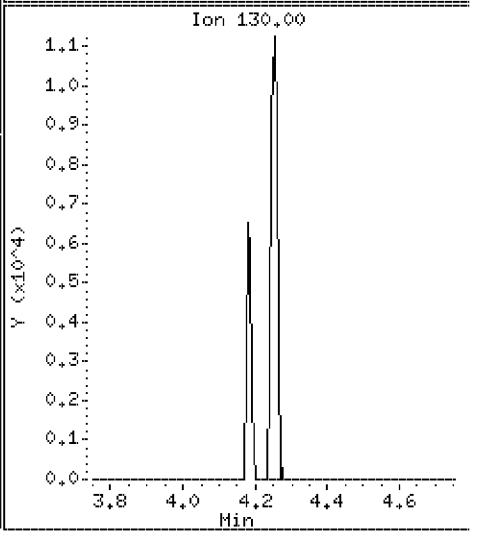












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

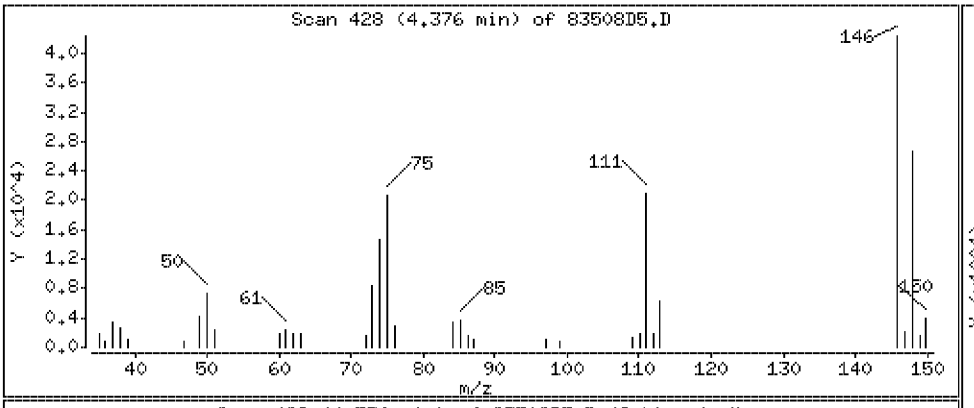
Operator: PEL

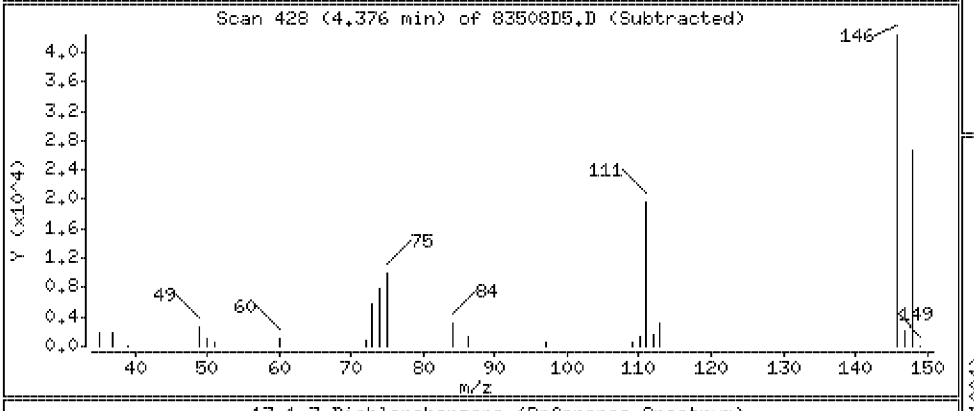
Column phase: HPMS-5

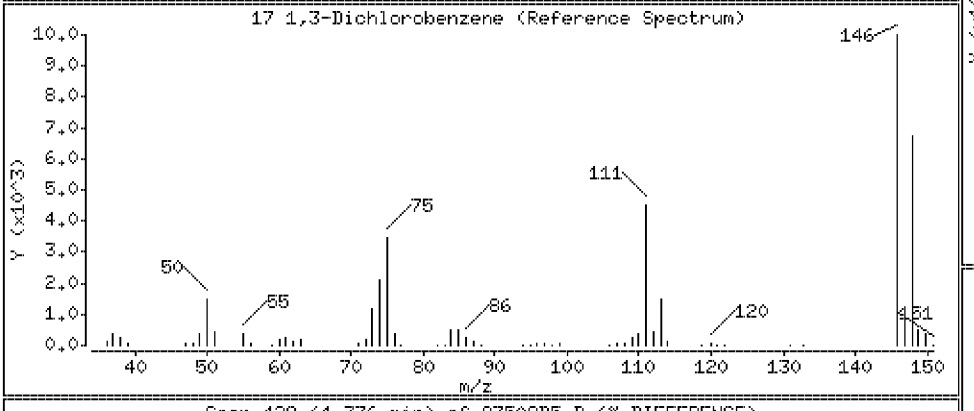
Column diameter: 0.25

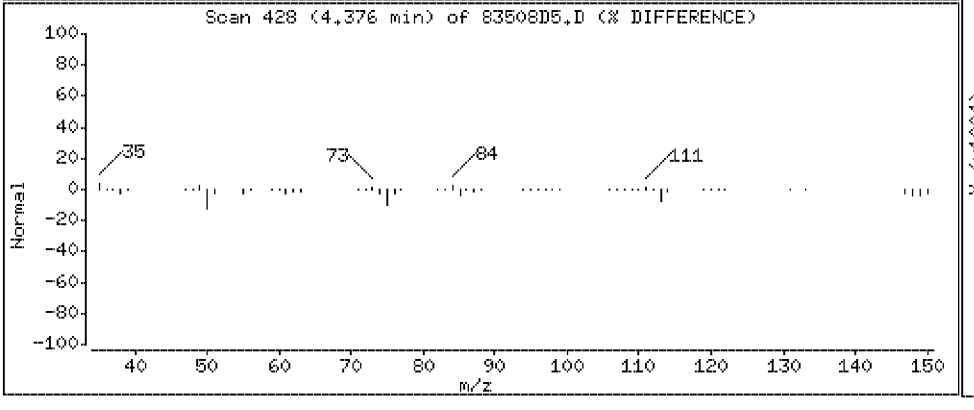
17 1,3-Dichlorobenzene

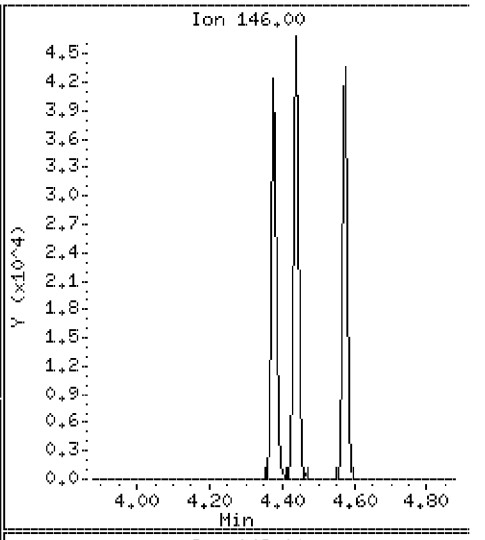
Concentration: 1260 ug/kg

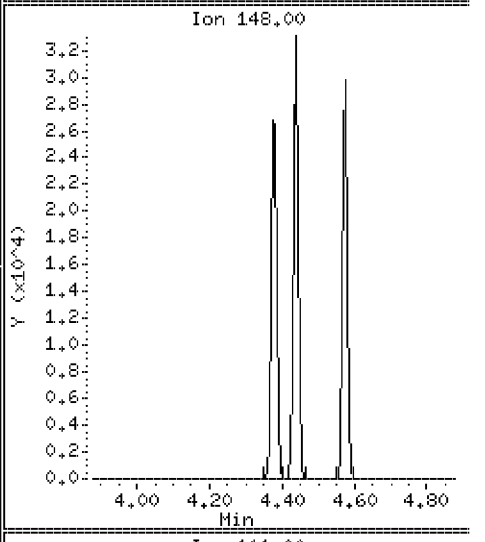


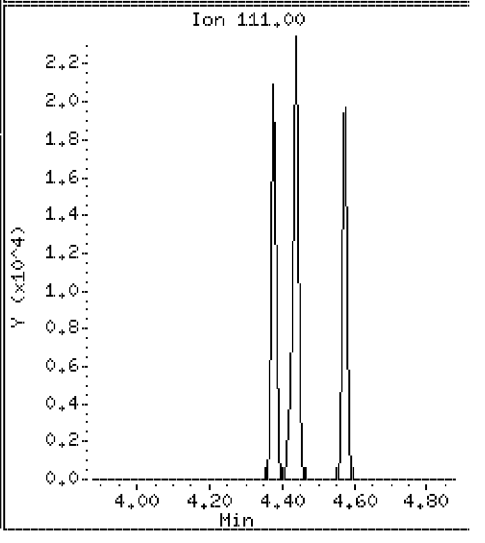












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

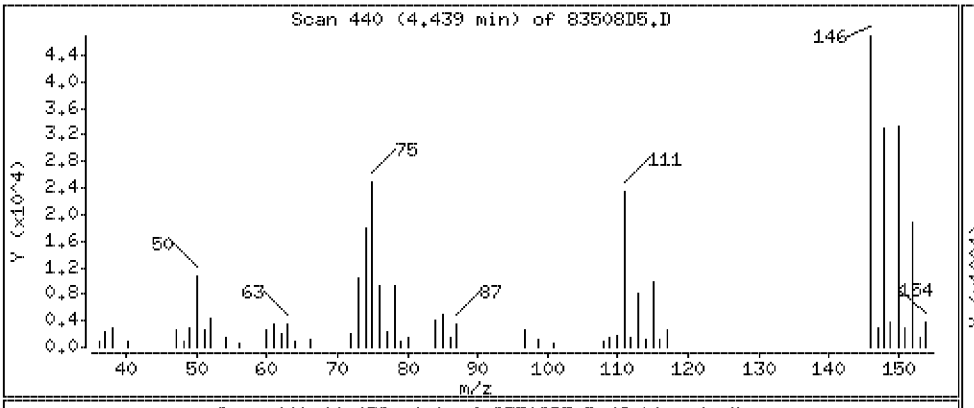
Operator: PEL

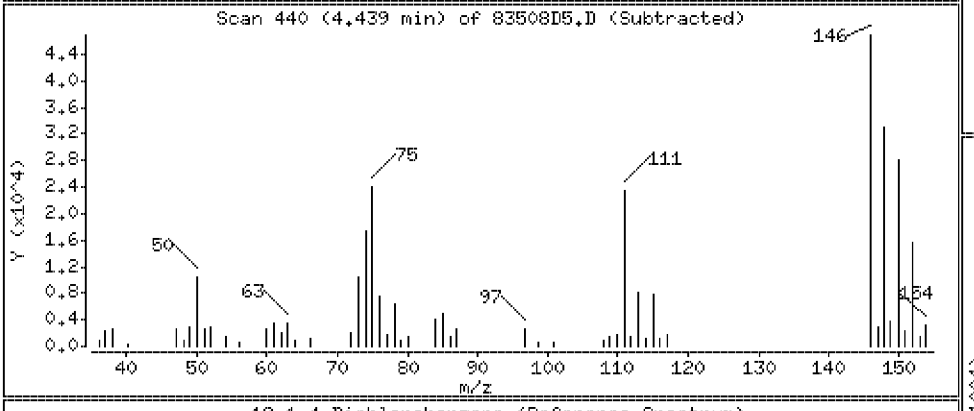
Column phase: HPMS-5

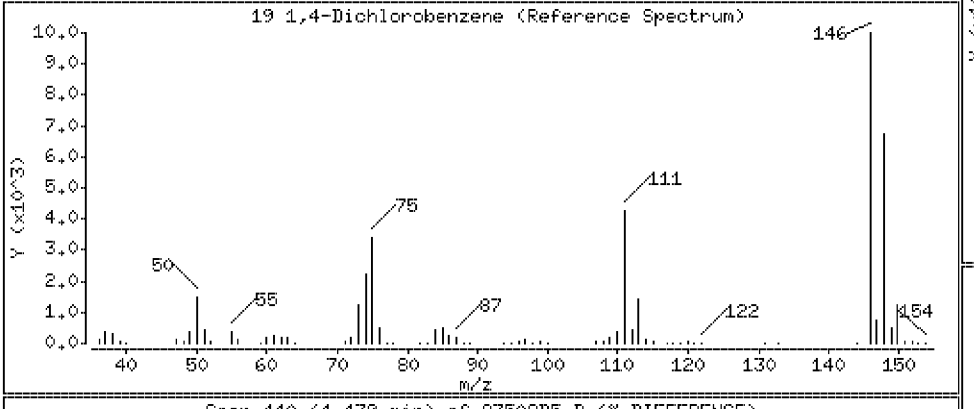
Column diameter: 0.25

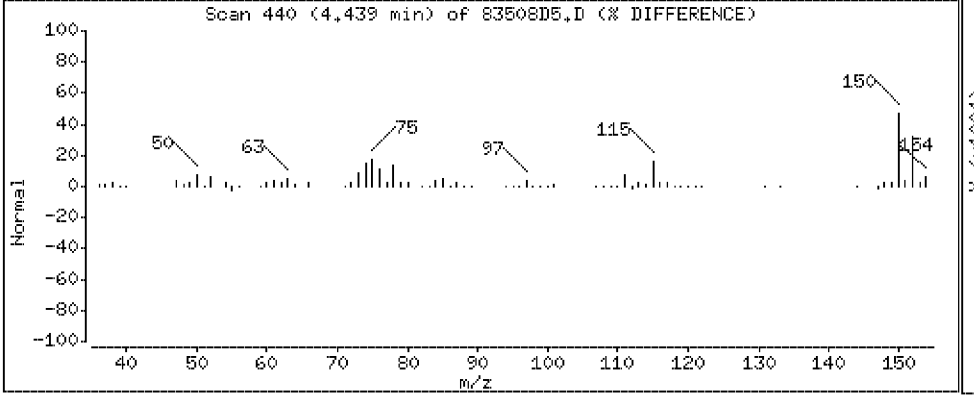
19 1,4-Dichlorobenzene

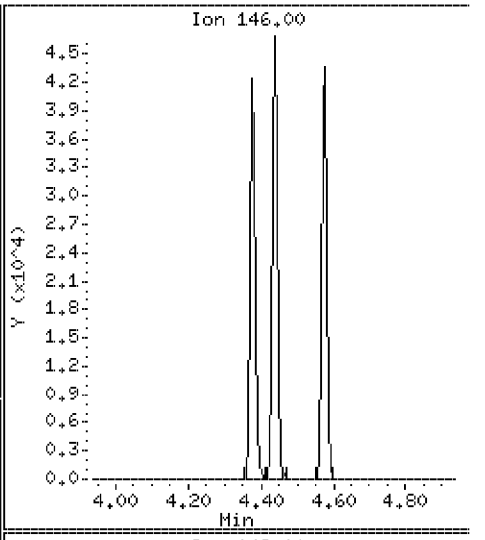
Concentration: 1330 ug/kg

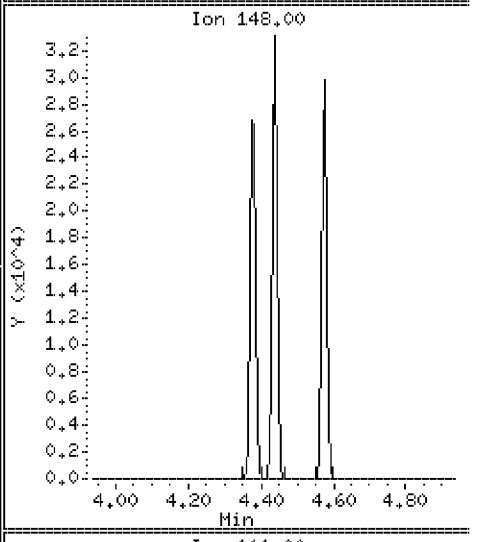


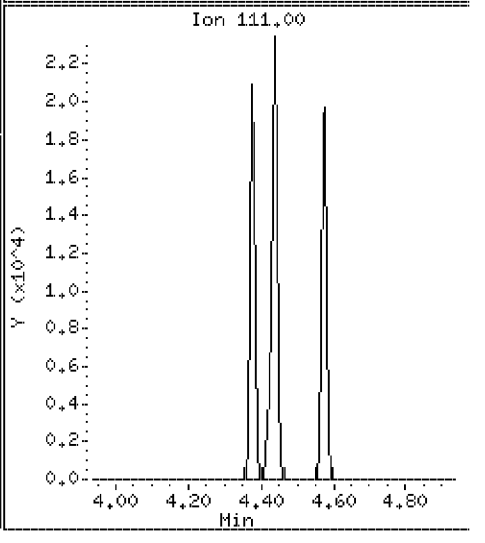












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

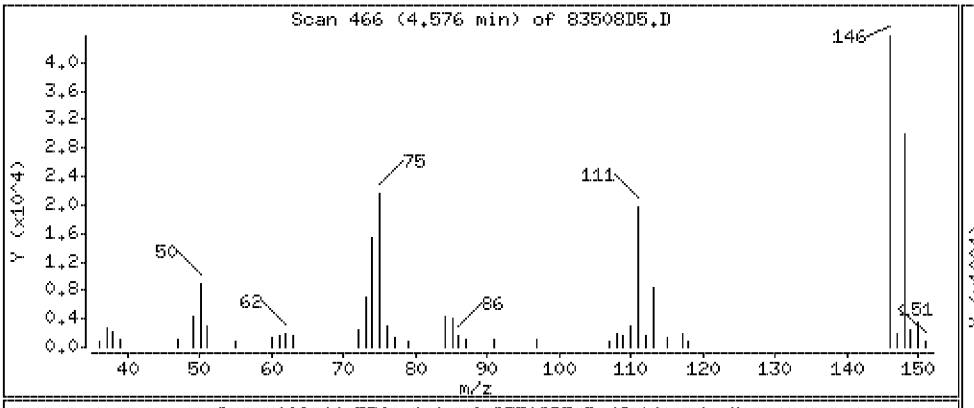
Operator: PEL

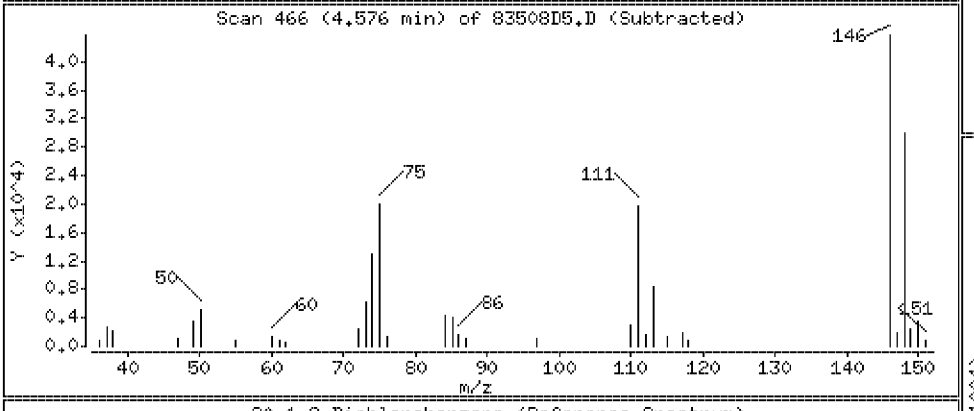
Column phase: HPMS-5

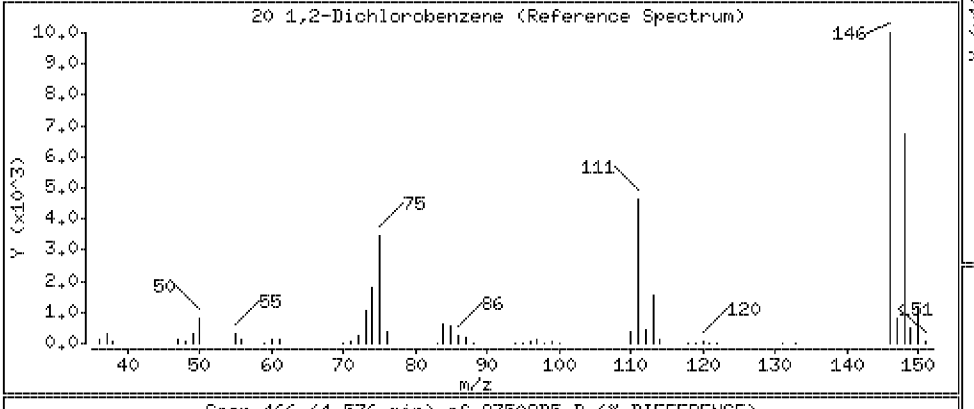
Column diameter: 0.25

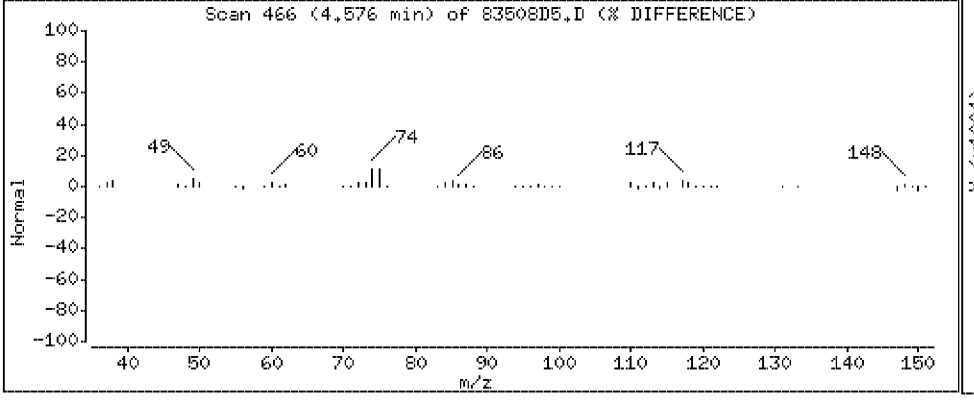
20 1,2-Dichlorobenzene

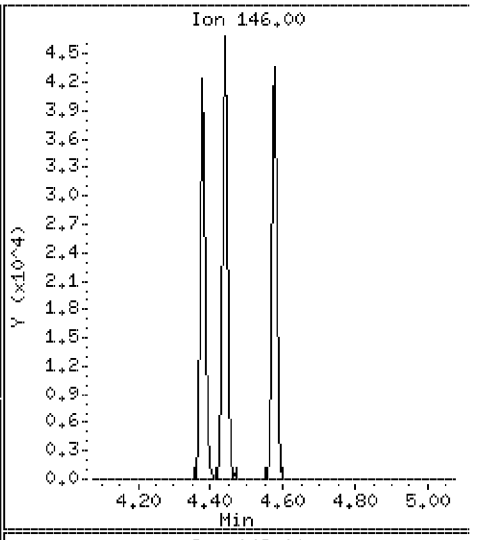
Concentration: 1360 ug/kg

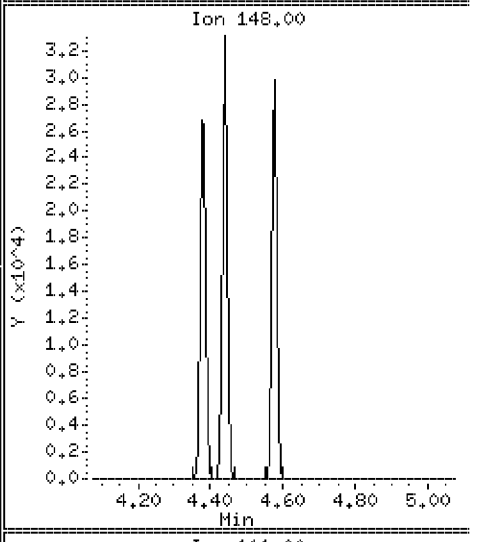


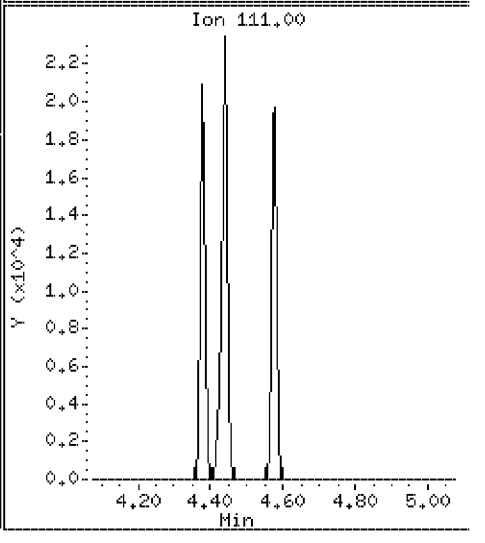












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

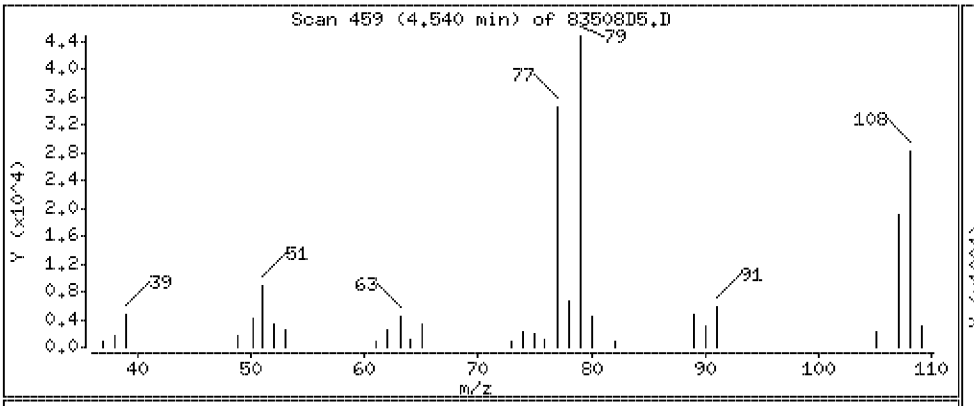
Operator: PEL

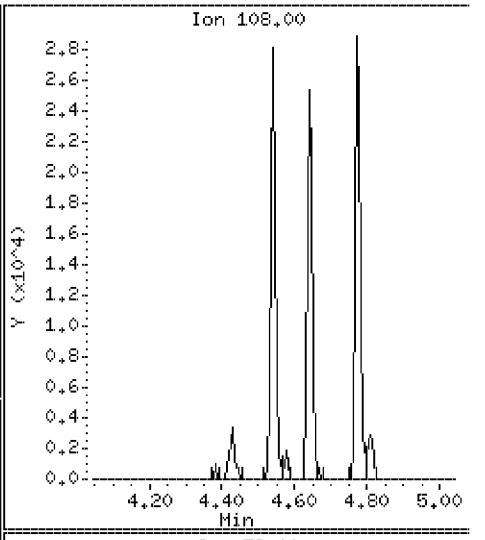
Column phase: HPMS-5

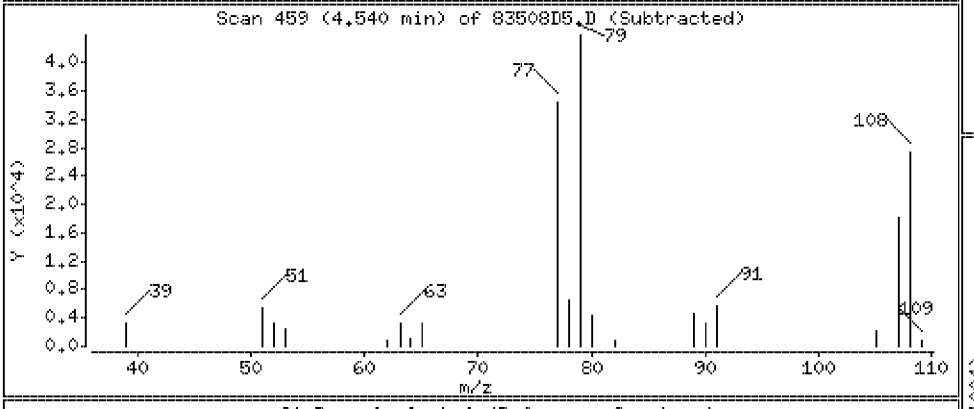
Column diameter: 0.25

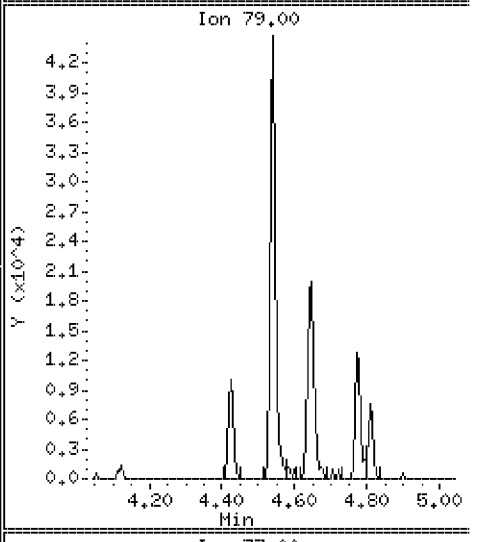
21 Benzyl alcohol

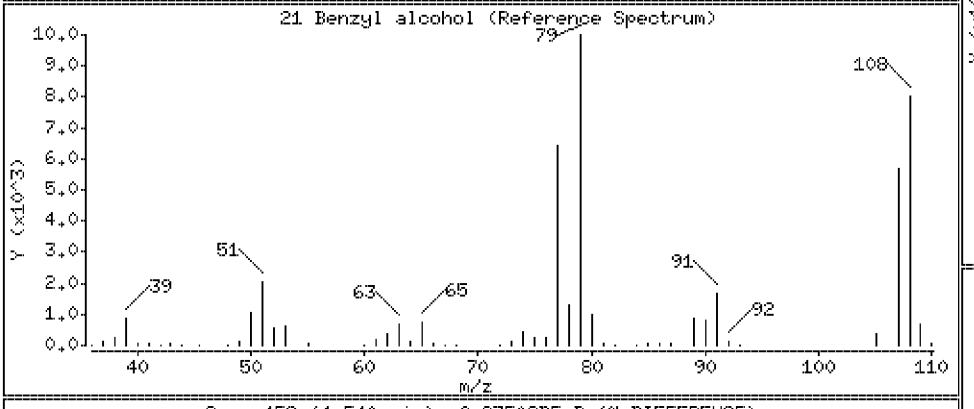
Concentration: 1380 ug/kg

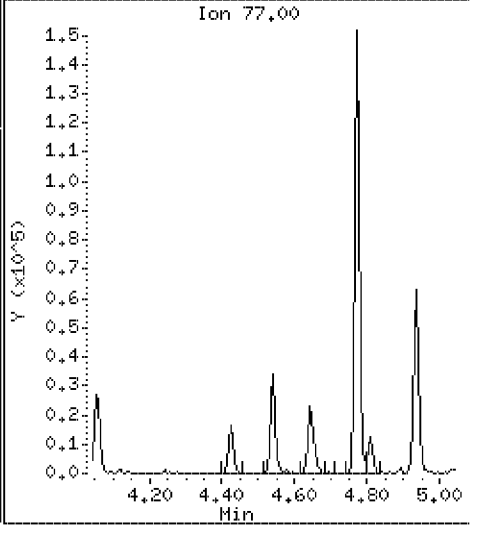


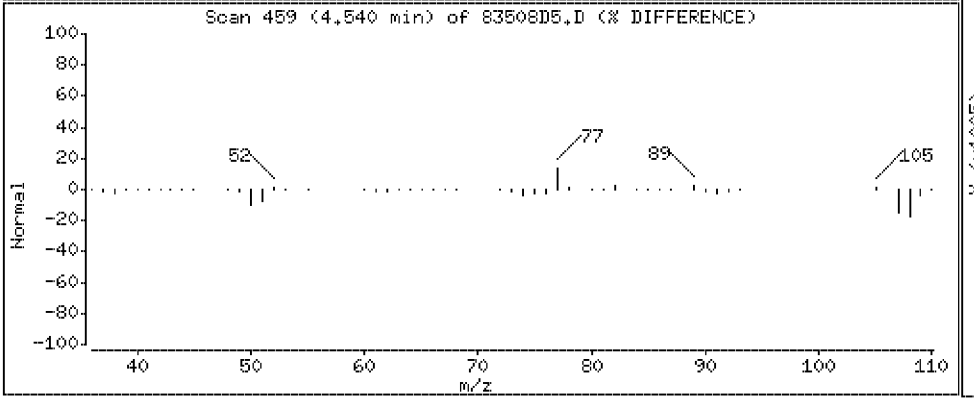












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

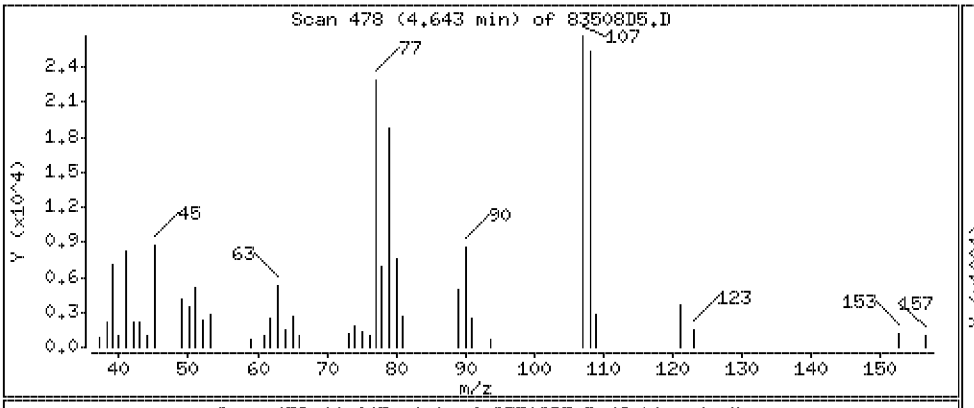
Operator: PEL

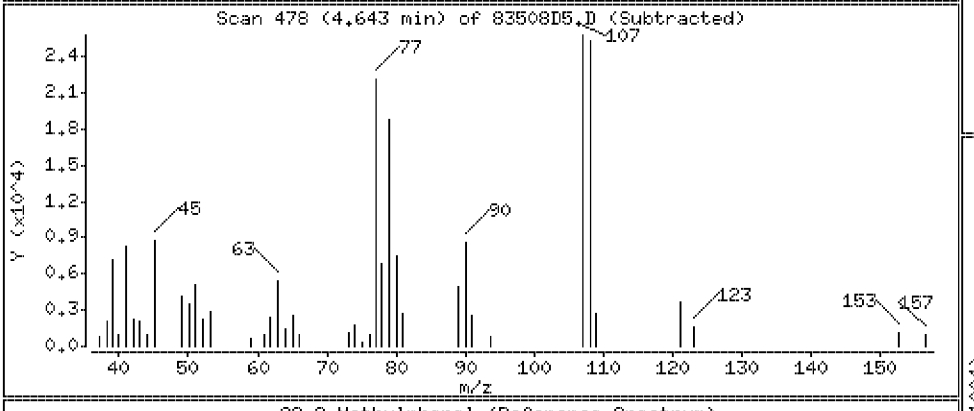
Column phase: HPMS-5

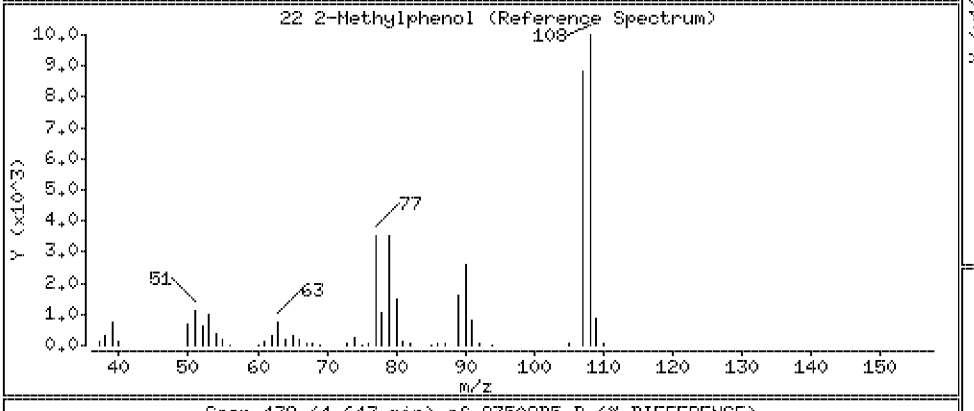
Column diameter: 0.25

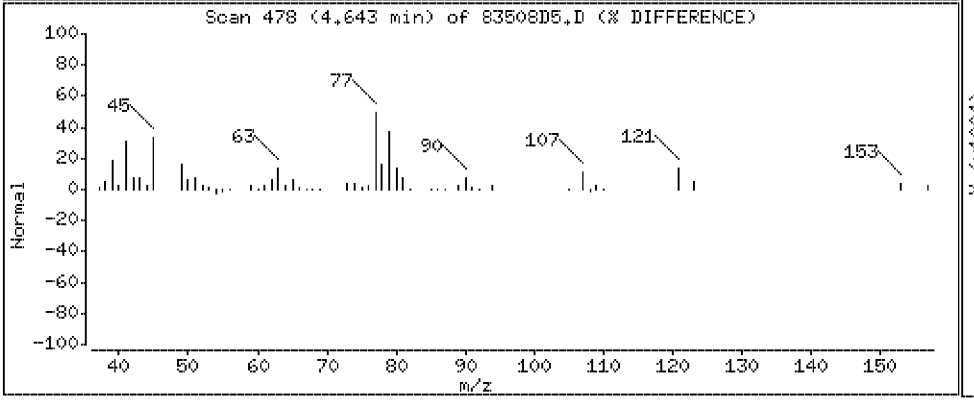
22 2-Methylphenol

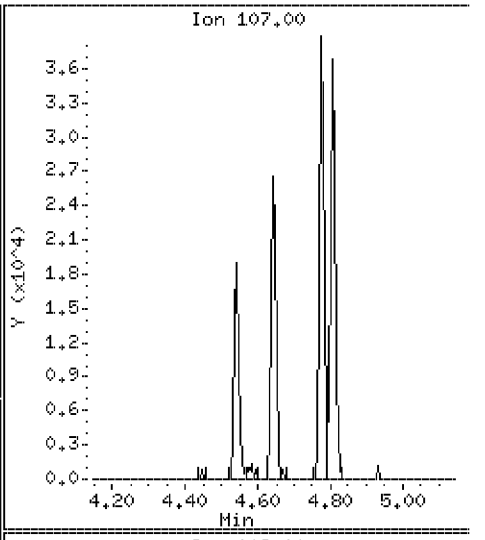
Concentration: 1080 ug/kg

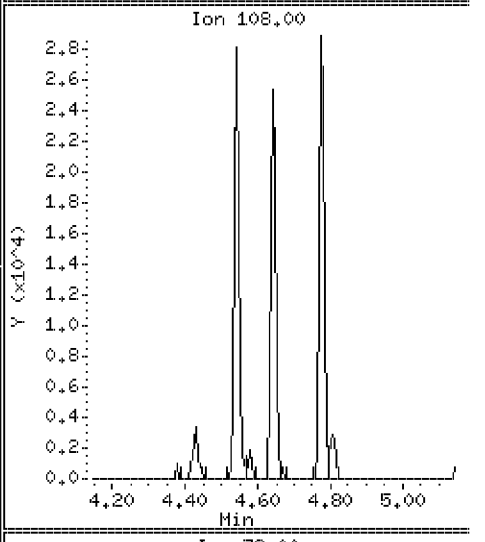


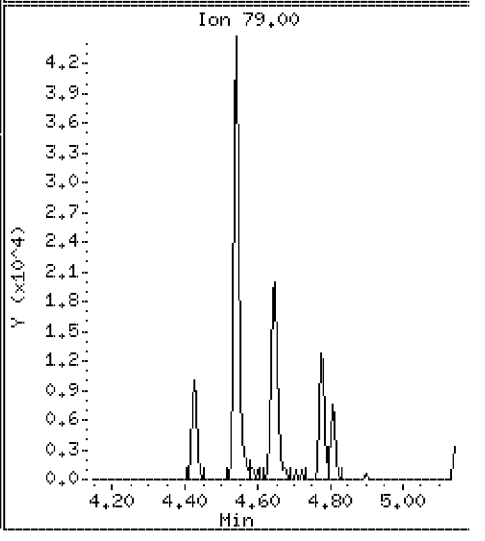












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

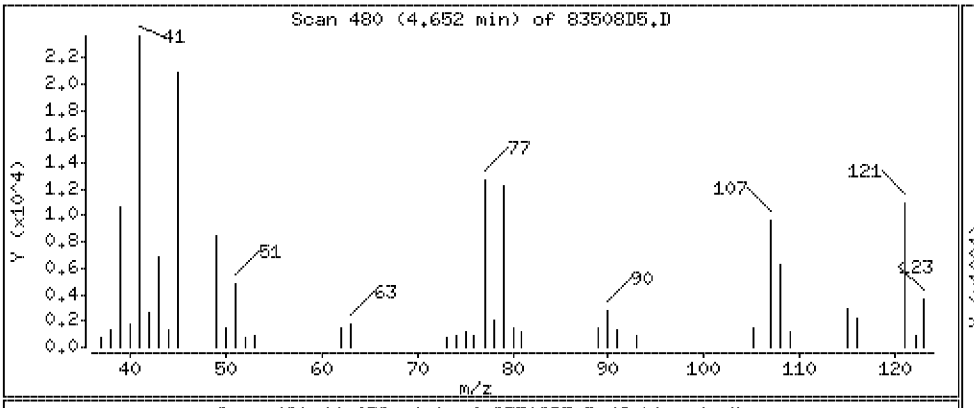
Operator: PEL

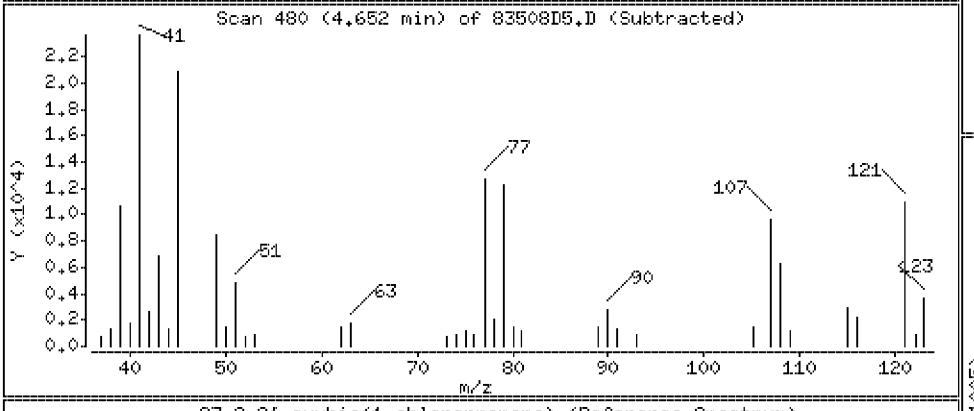
Column phase: HPMS-5

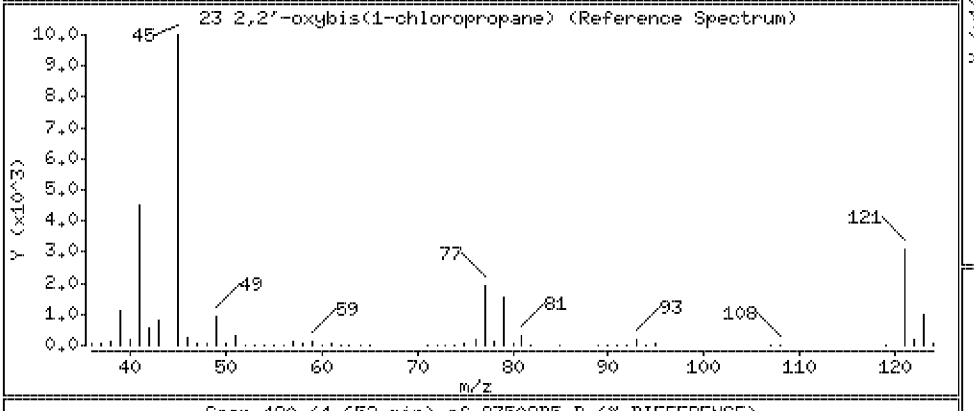
Column diameter: 0.25

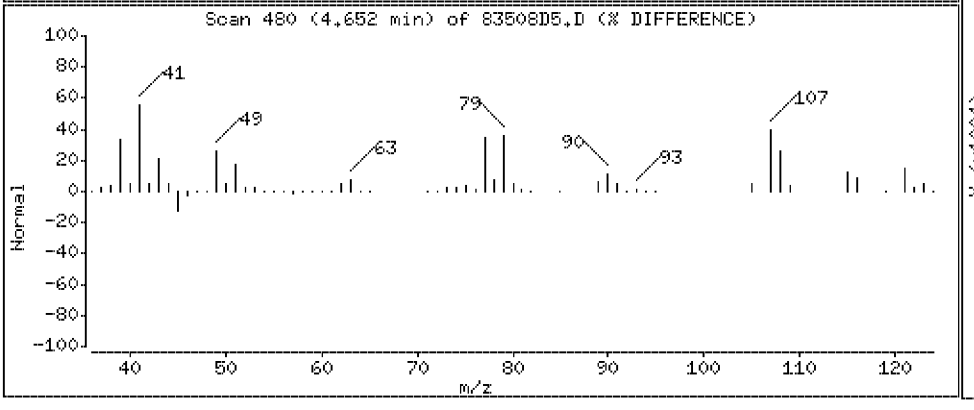
23 2,2'-oxybis(1-chloropropane)

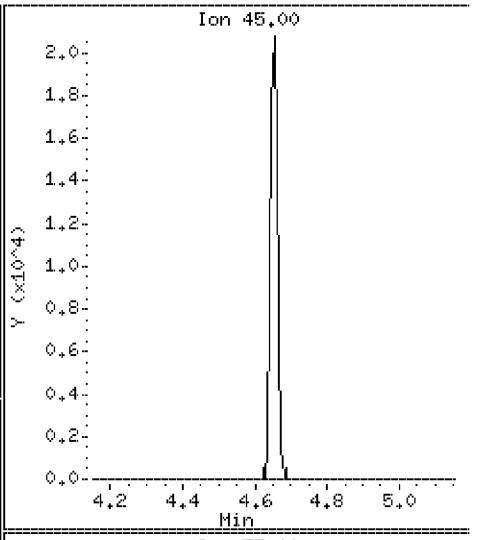
Concentration: 1340 ug/kg

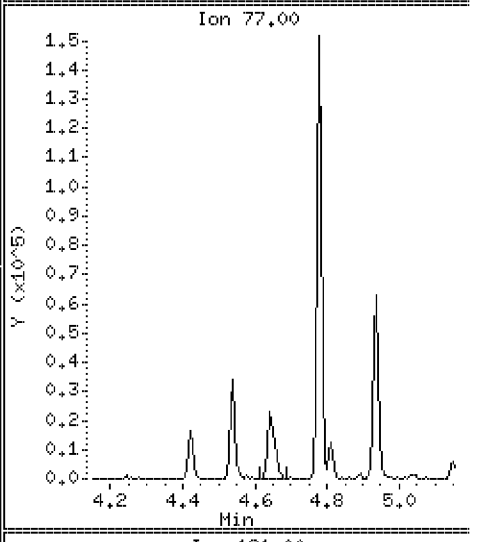


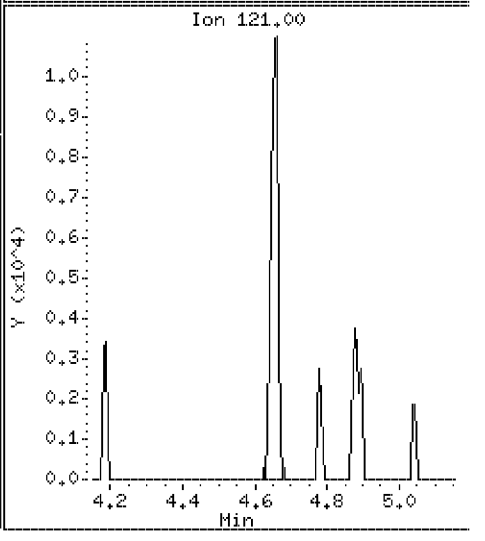












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

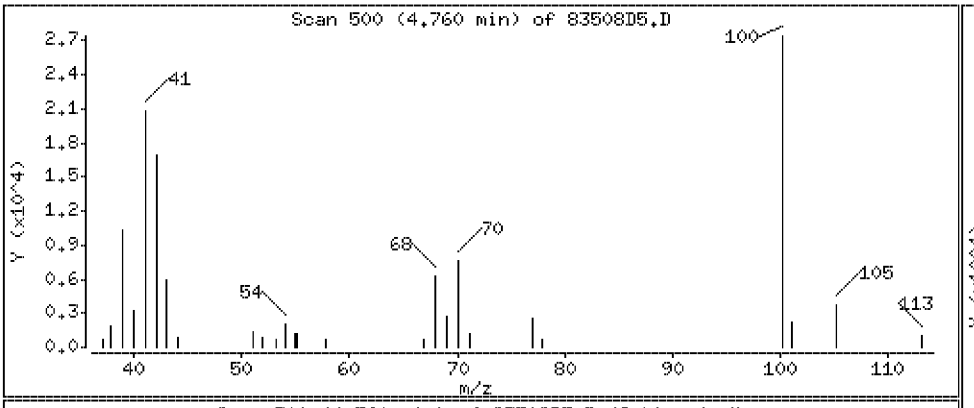
Operator: PEL

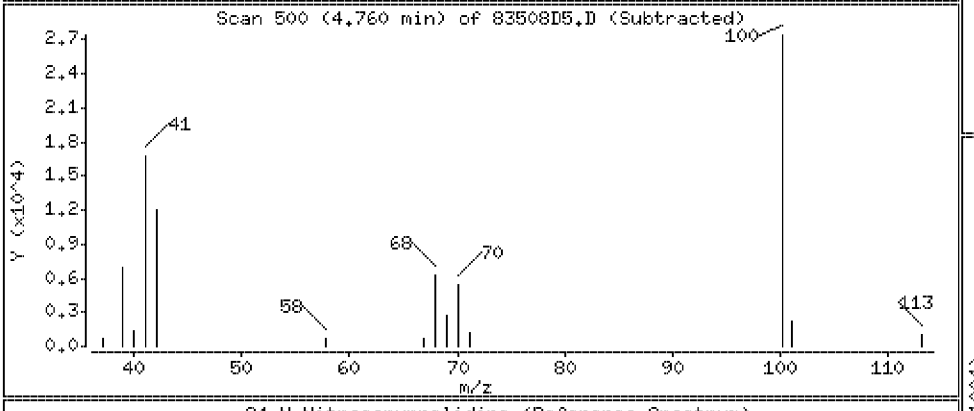
Column phase: HPMS-5

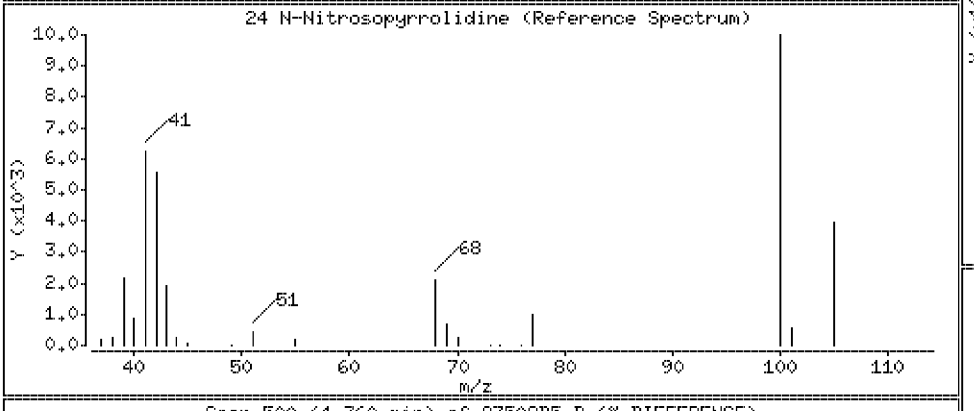
Column diameter: 0.25

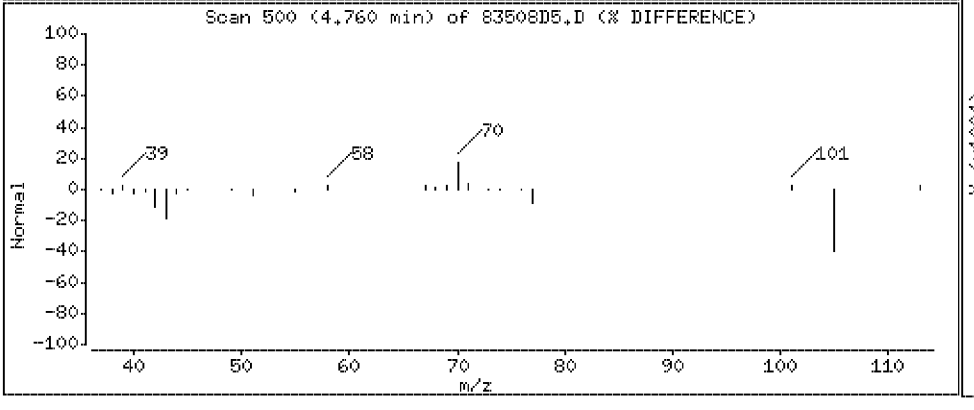
24 N-Nitrosopyrrolidine

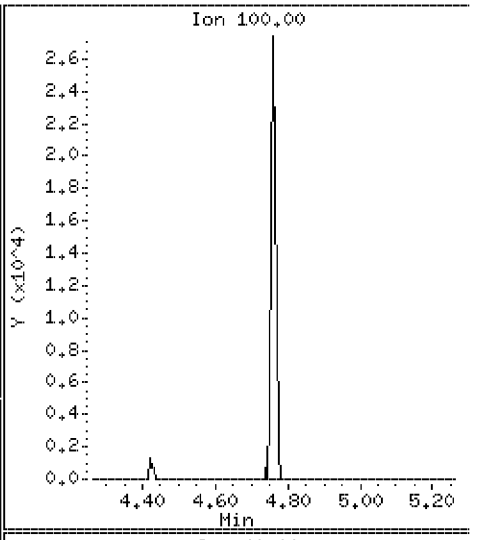
Concentration: 1700 ug/kg

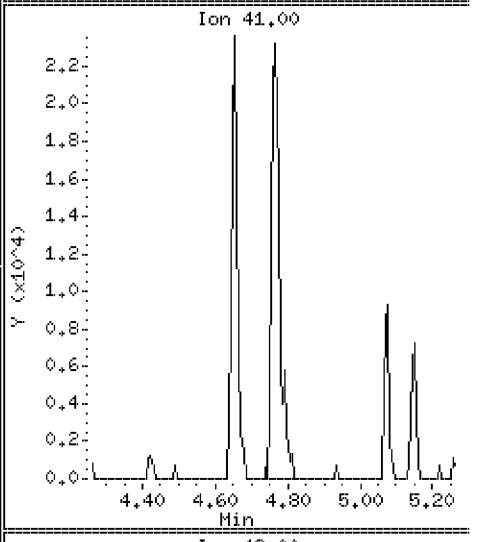


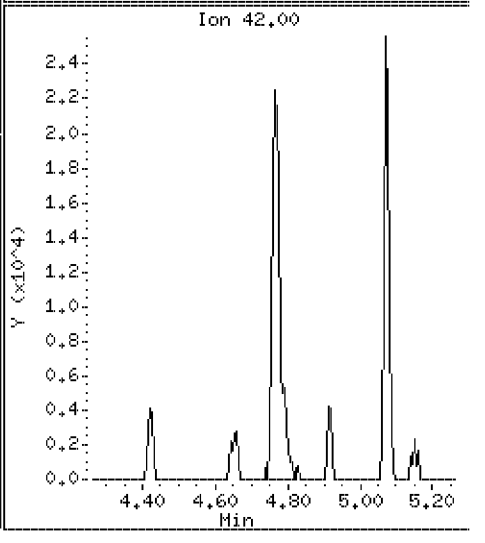












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

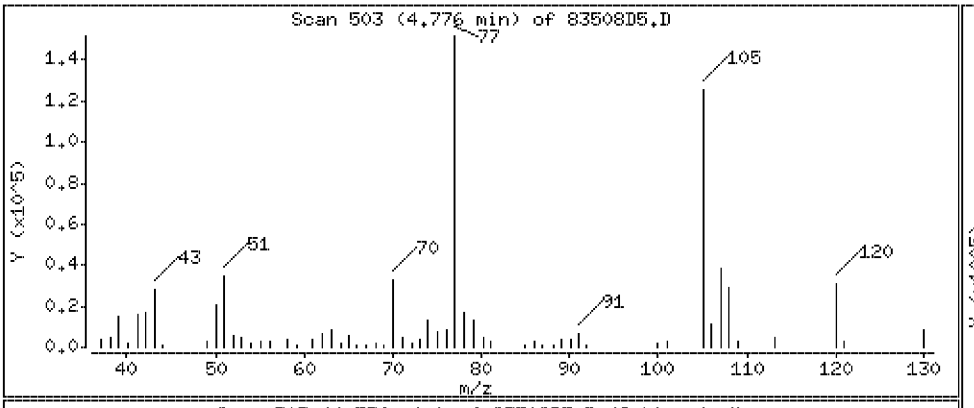
Operator: PEL

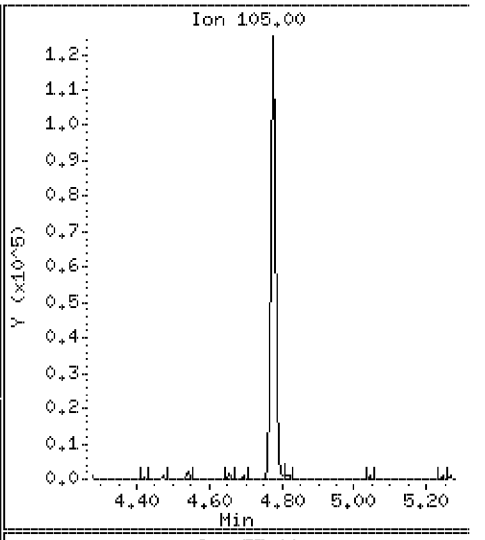
Column phase: HPMS-5

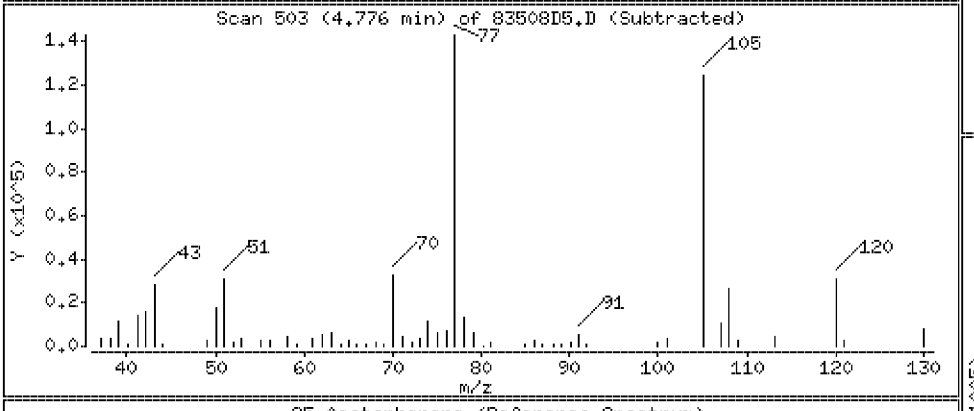
Column diameter: 0.25

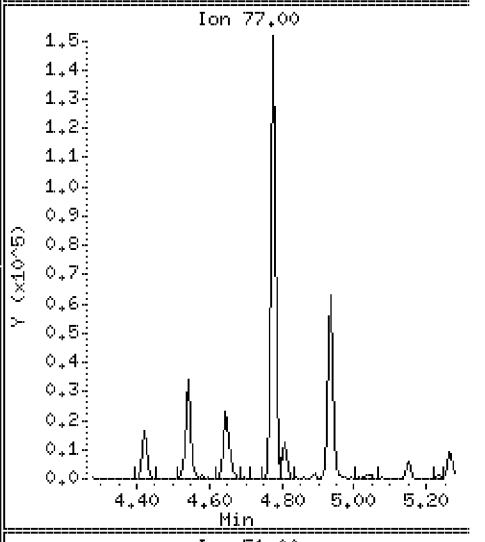
25 Acetophenone

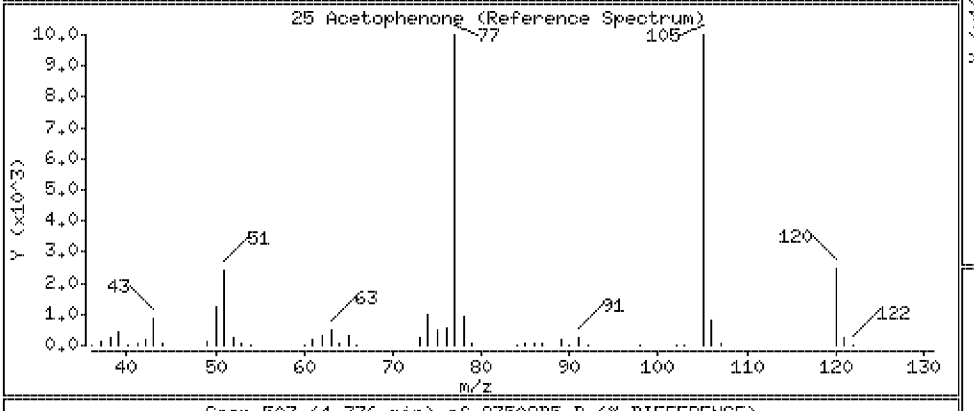
Concentration: 2460 ug/kg

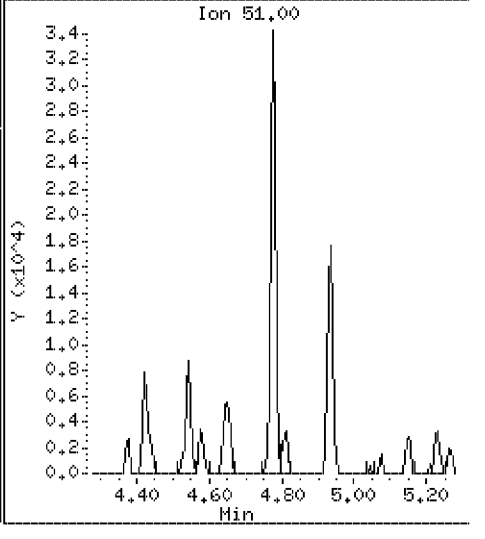


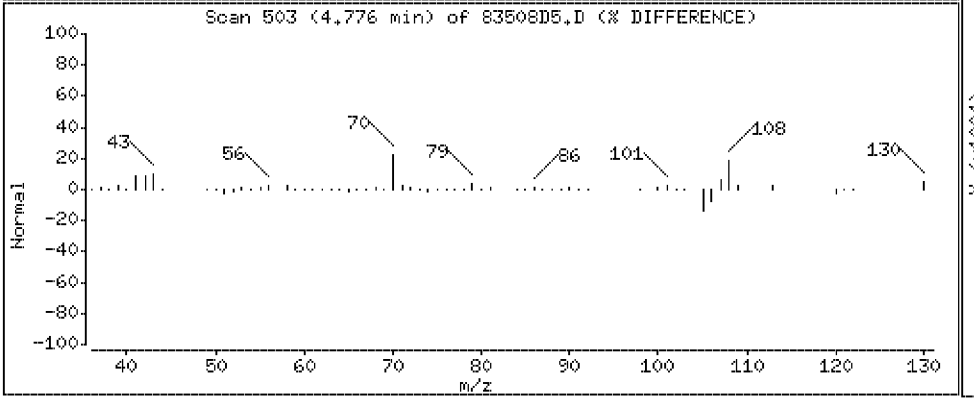












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

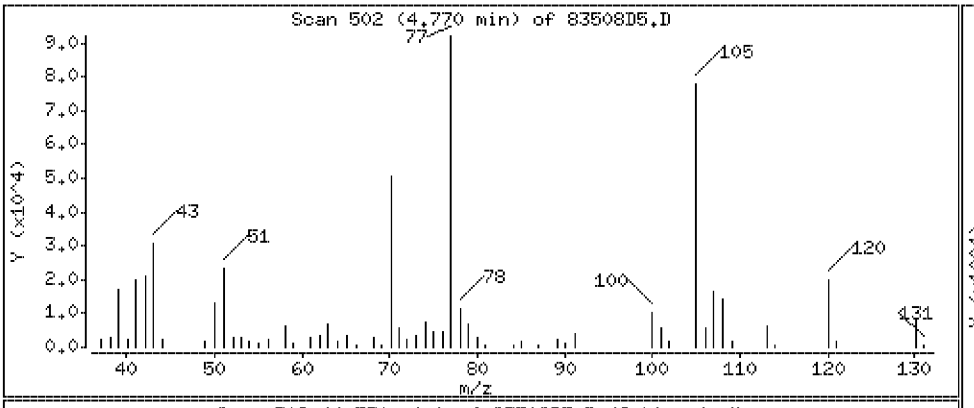
Operator: PEL

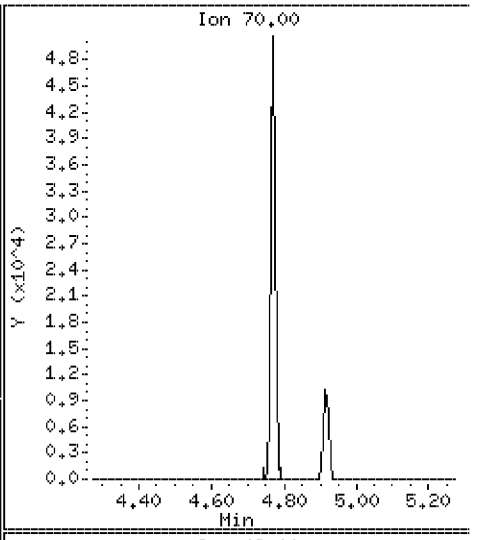
Column phase: HPMS-5

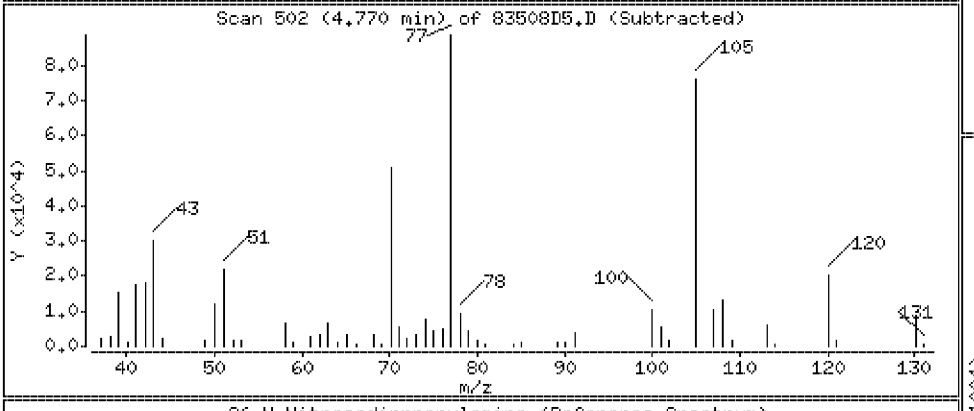
Column diameter: 0.25

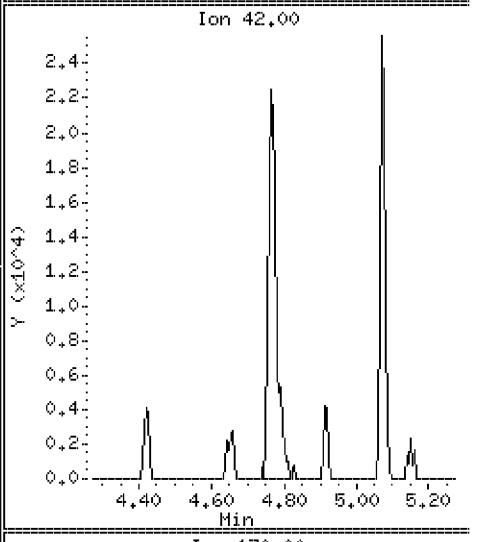
26 N-Nitrosodinpropylamine

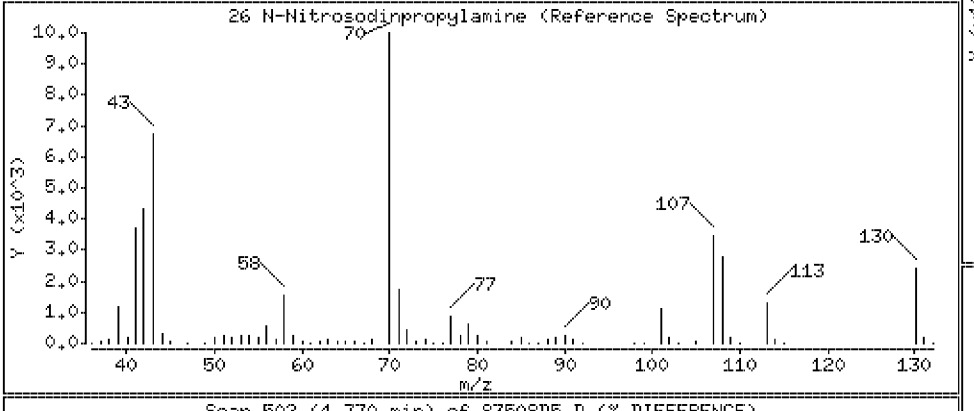
Concentration: 1660 ug/kg

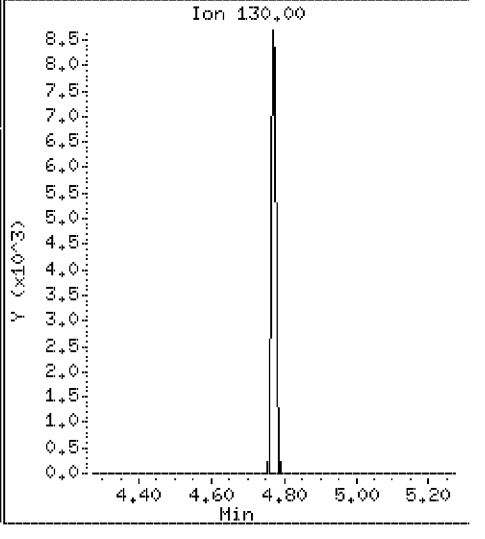


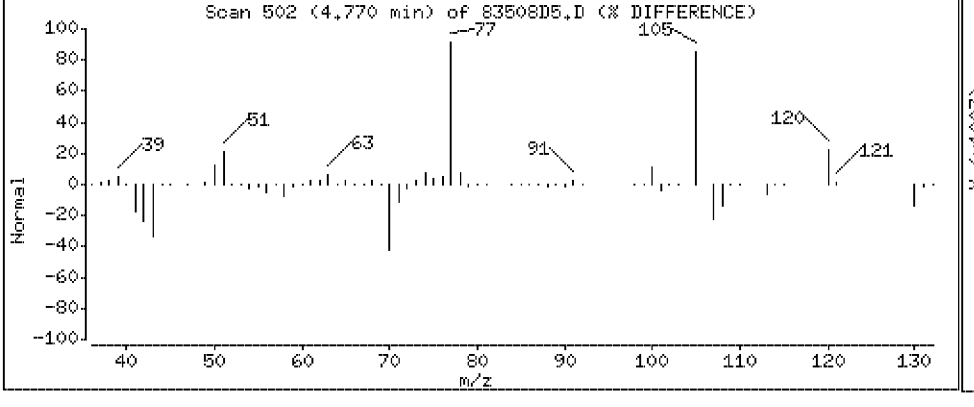












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

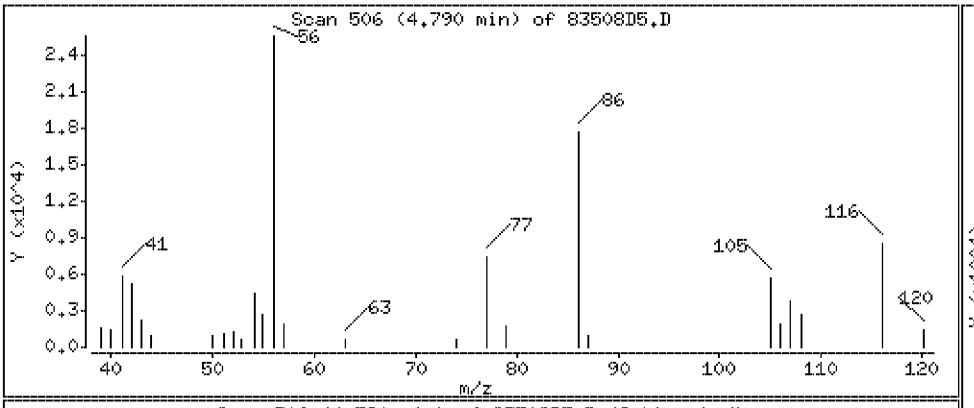
Operator: PEL

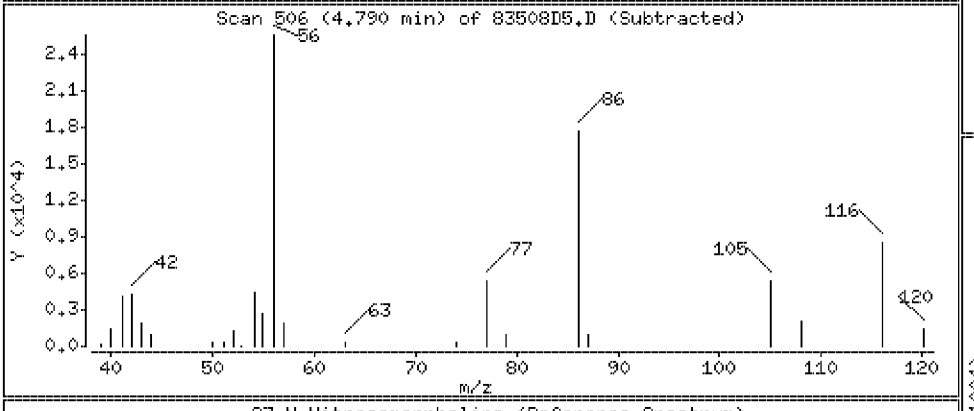
Column phase: HPMS-5

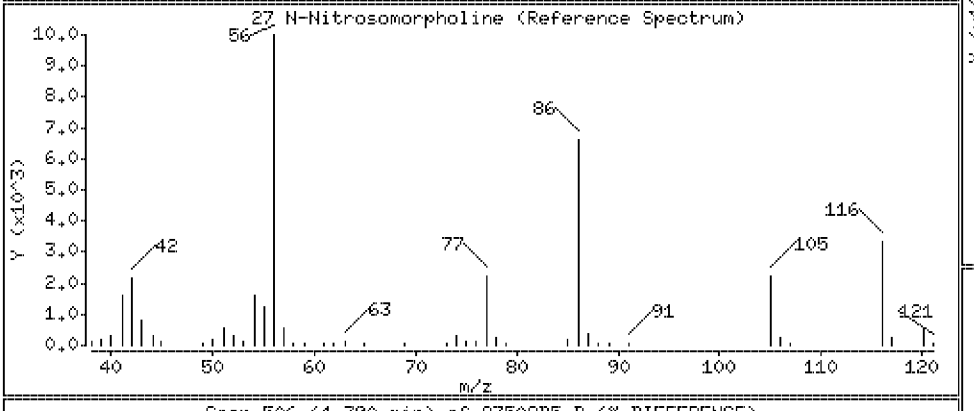
Column diameter: 0.25

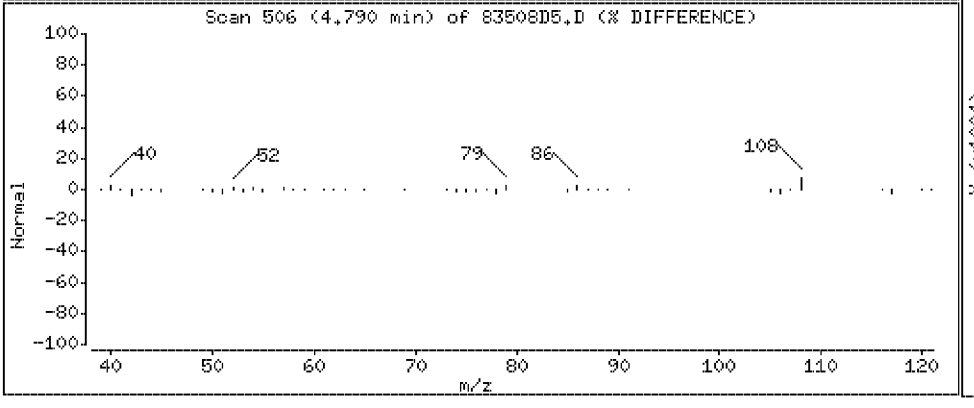
27 N-Nitrosomorpholine

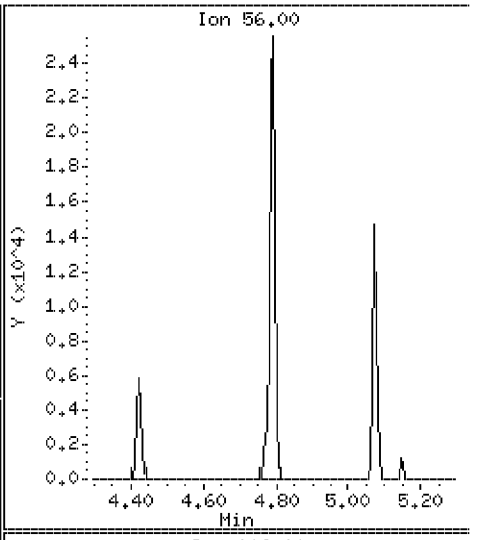
Concentration: 1730 ug/kg

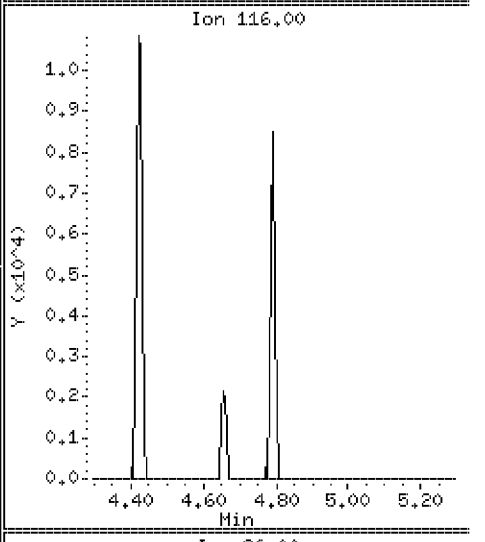


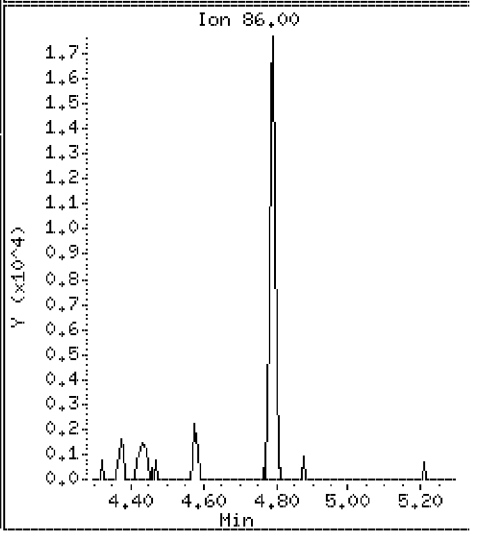












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

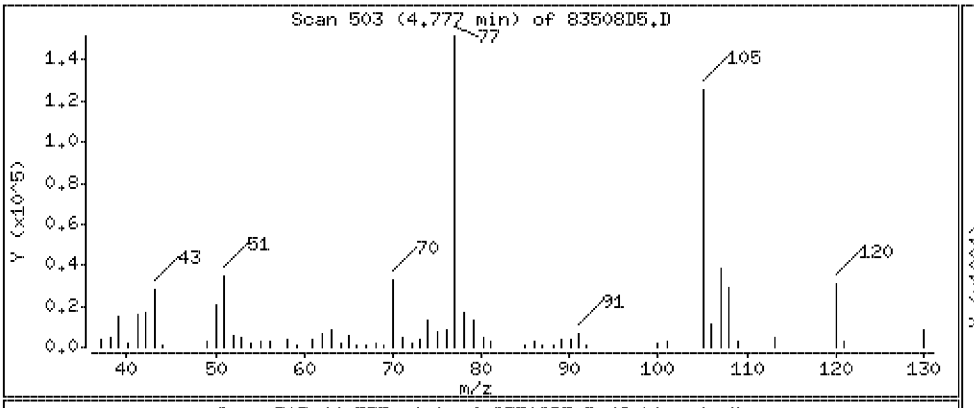
Operator: PEL

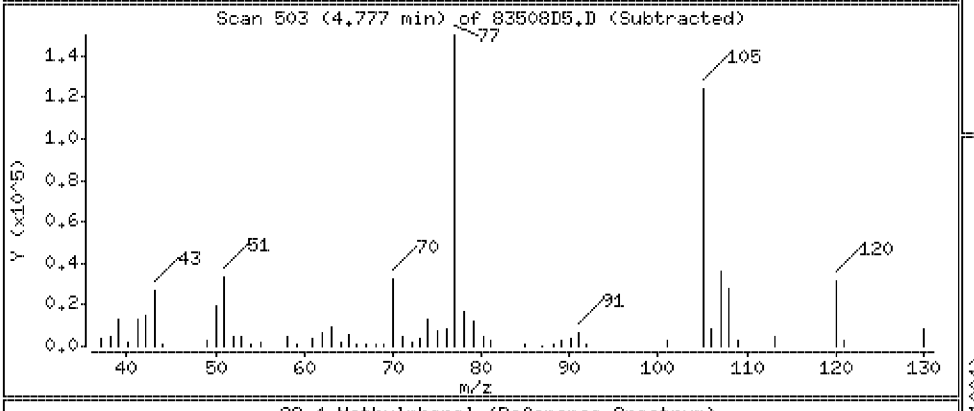
Column phase: HPMS-5

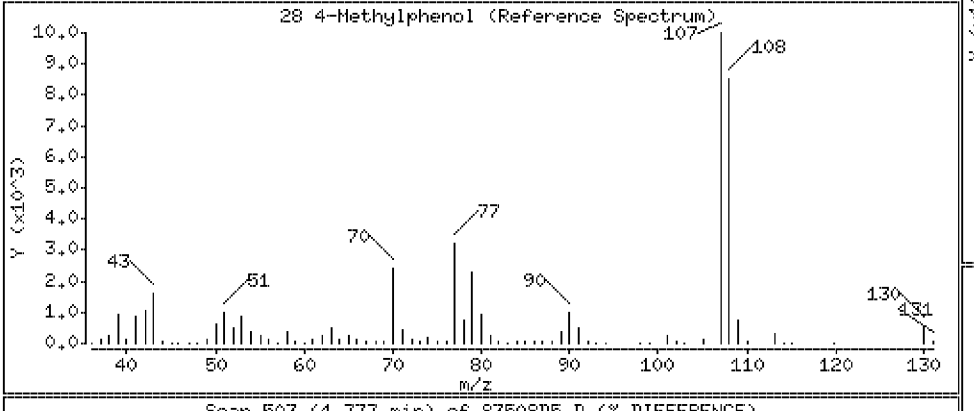
Column diameter: 0.25

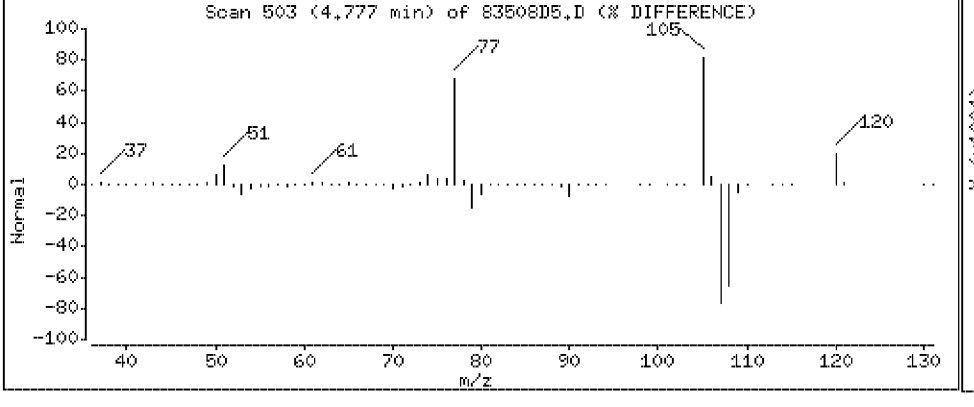
28 4-Methylphenol

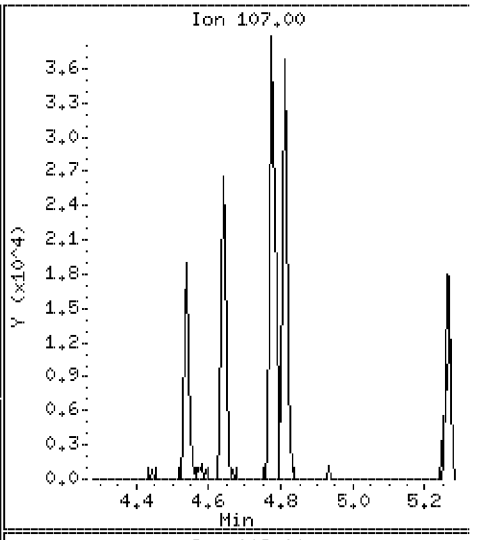
Concentration: 987 ug/kg

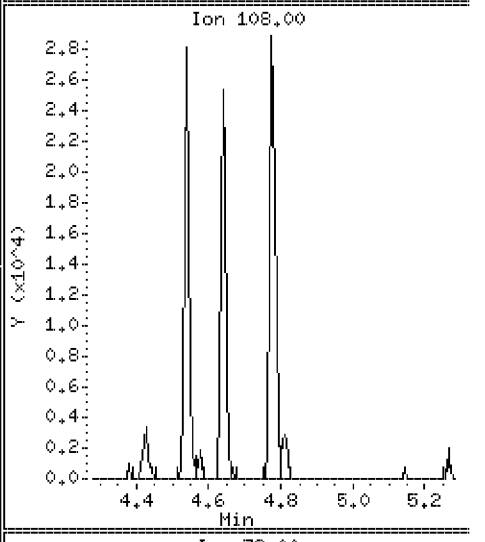


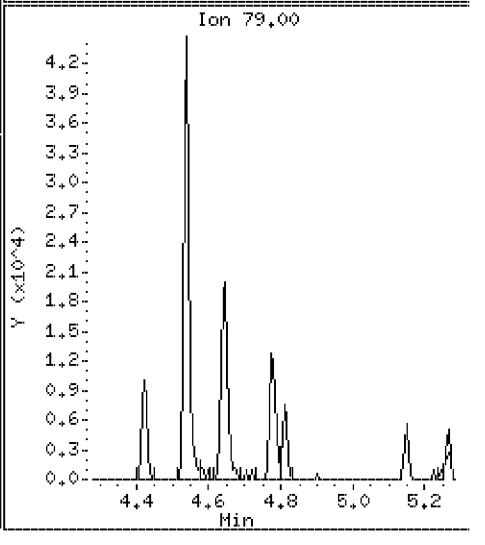












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

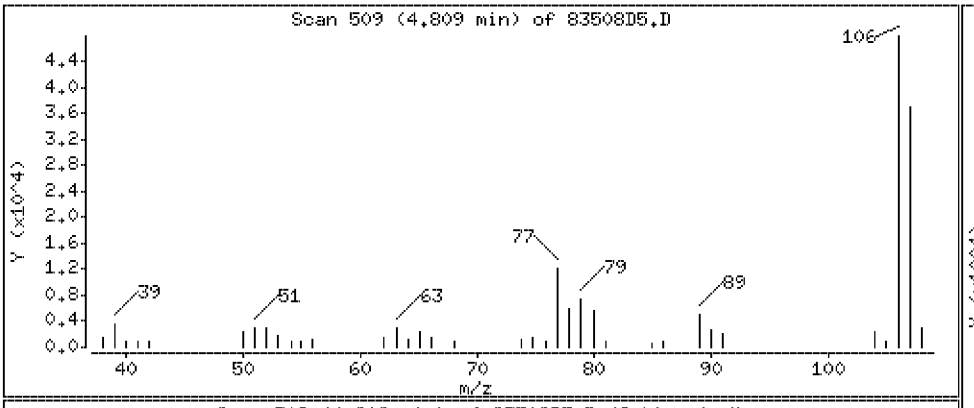
Operator: PEL

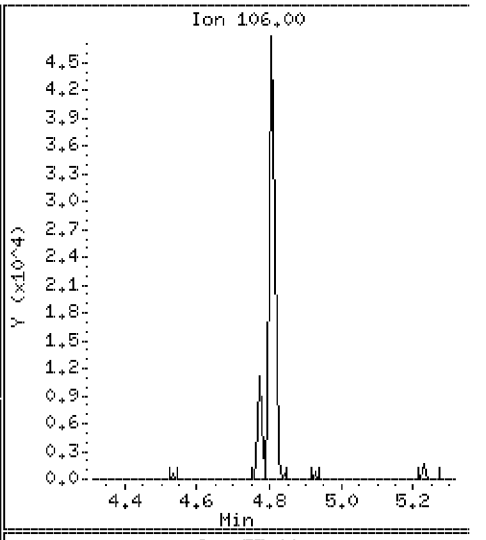
Column phase: HPMS-5

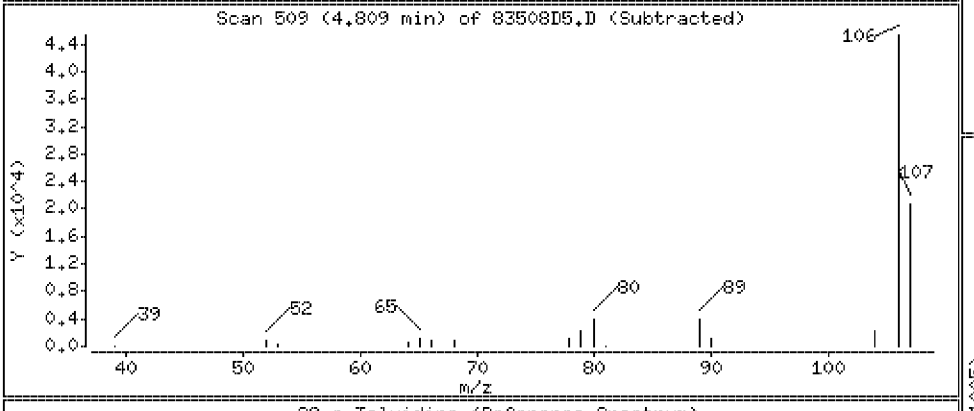
Column diameter: 0.25

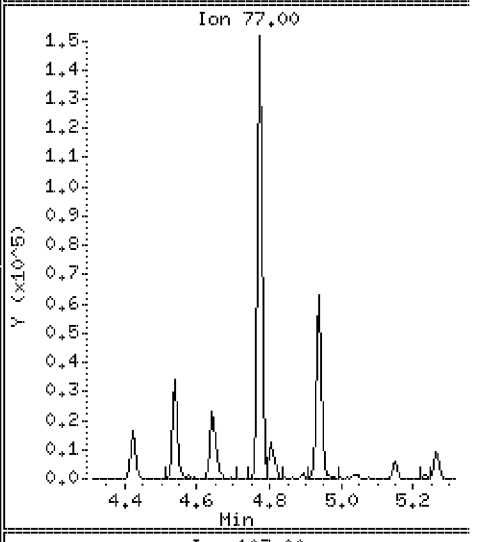
29 o-Toluidine

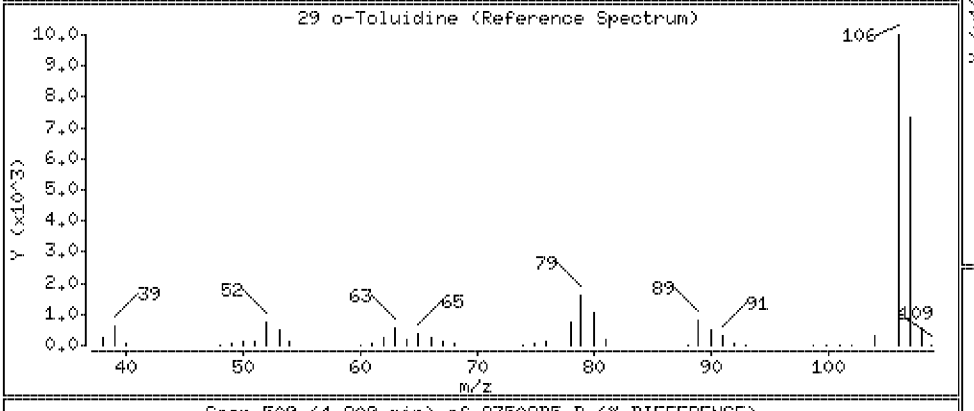
Concentration: 923 ug/kg

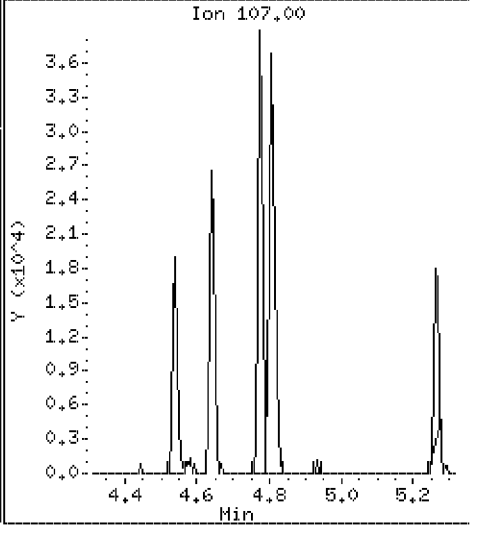


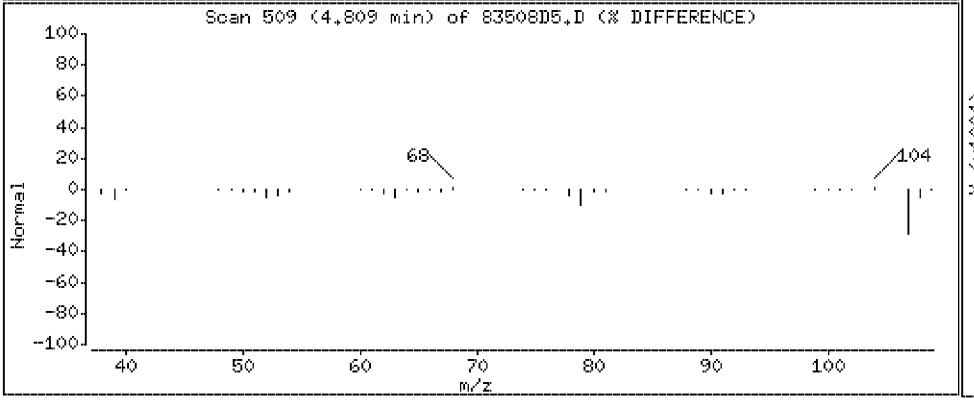












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

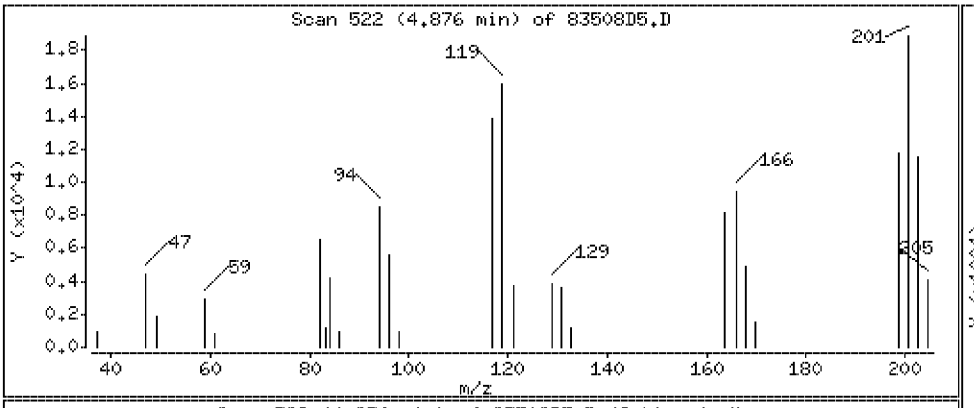
Operator: PEL

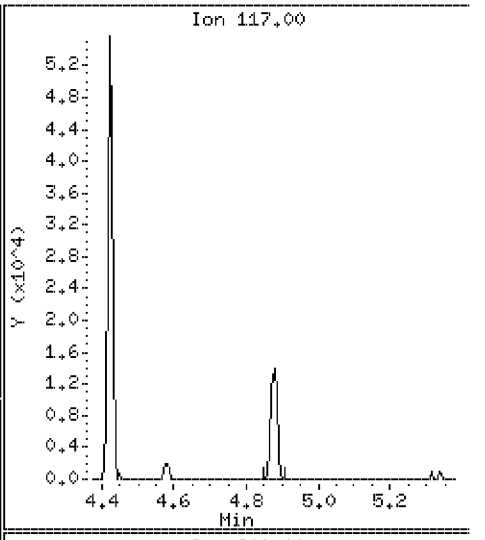
Column phase: HPMS-5

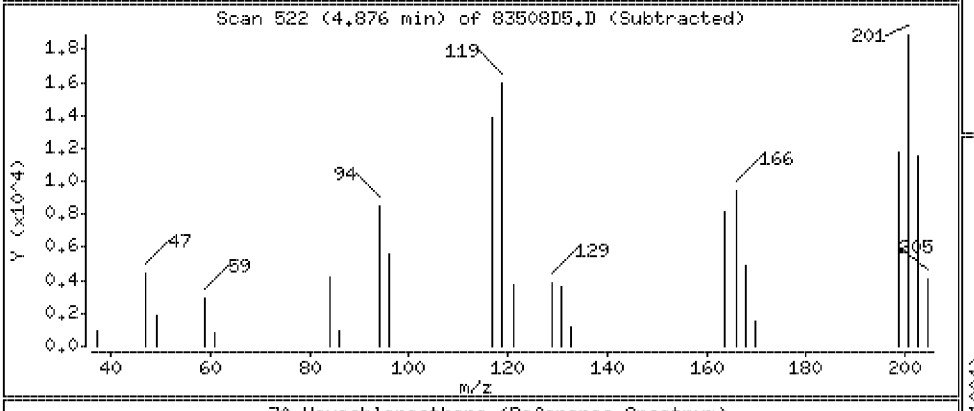
Column diameter: 0.25

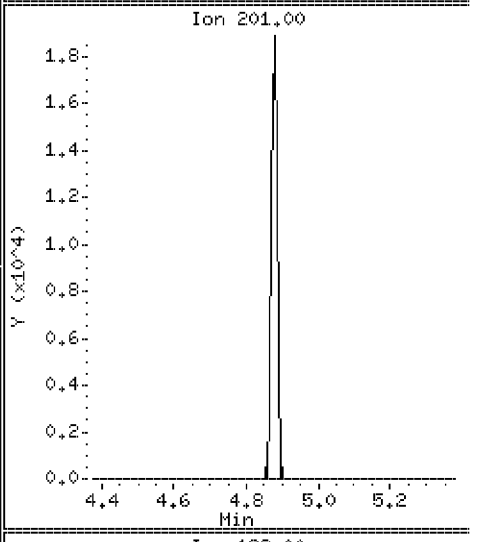
30 Hexachloroethane

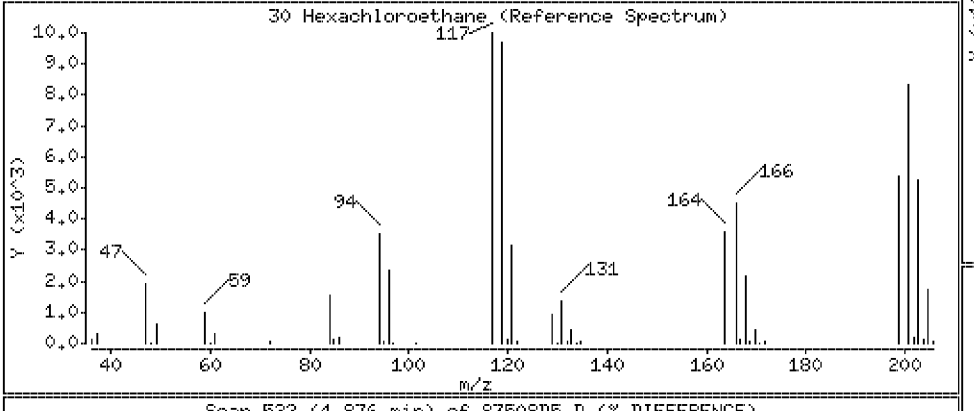
Concentration: 1050 ug/kg

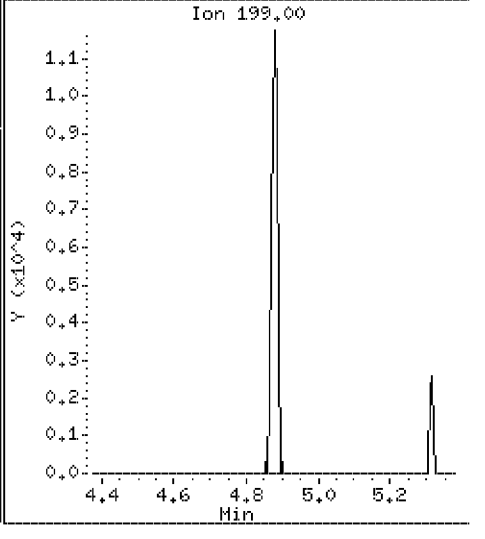


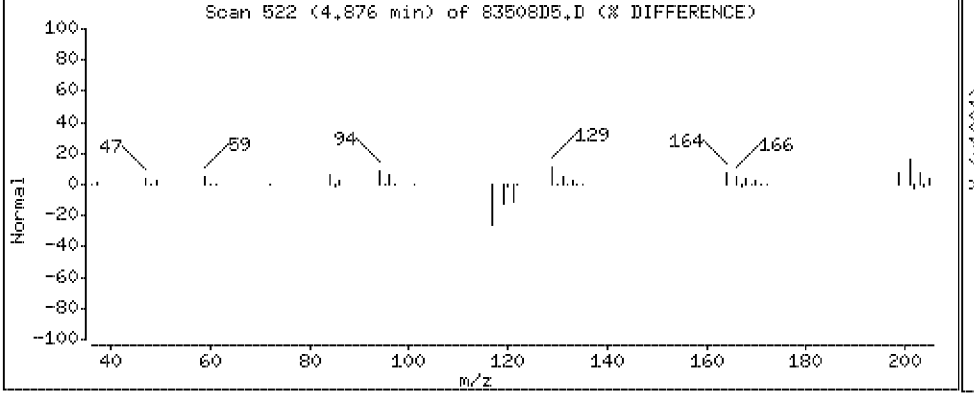












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

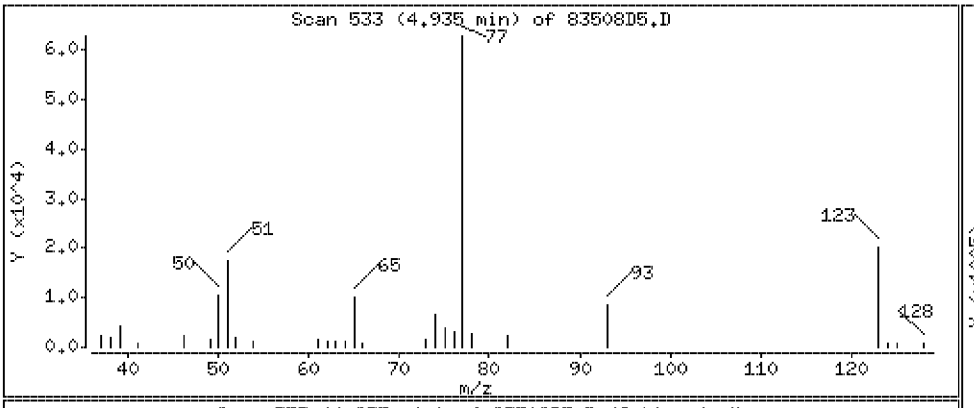
Operator: PEL

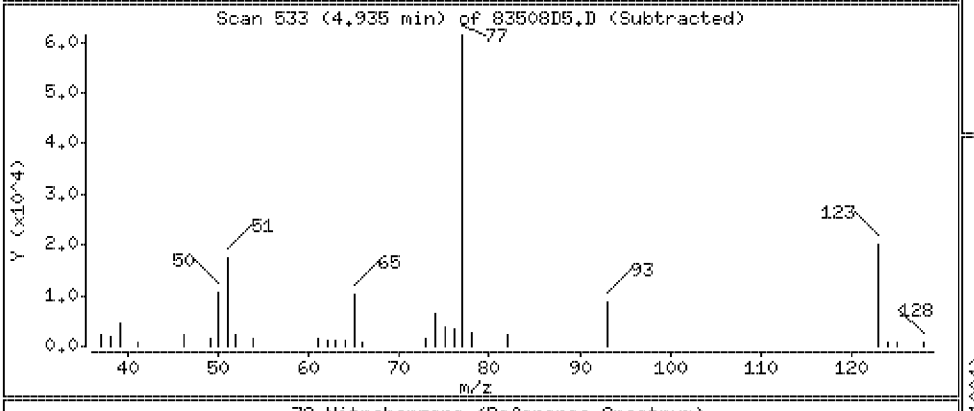
Column phase: HPMS-5

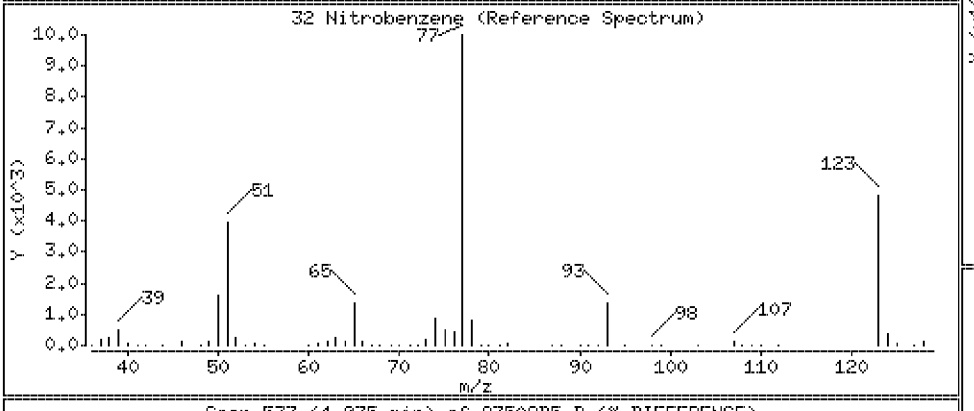
Column diameter: 0.25

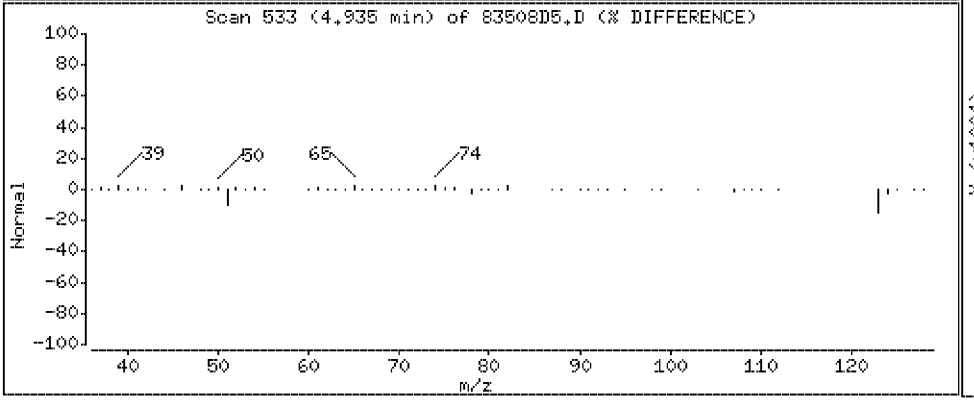
32 Nitrobenzene

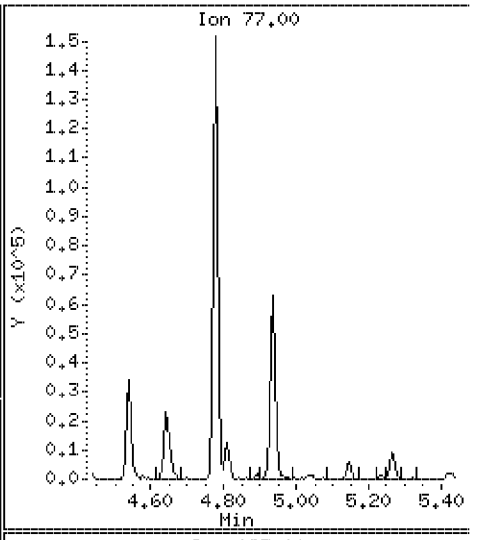
Concentration: 1550 ug/kg

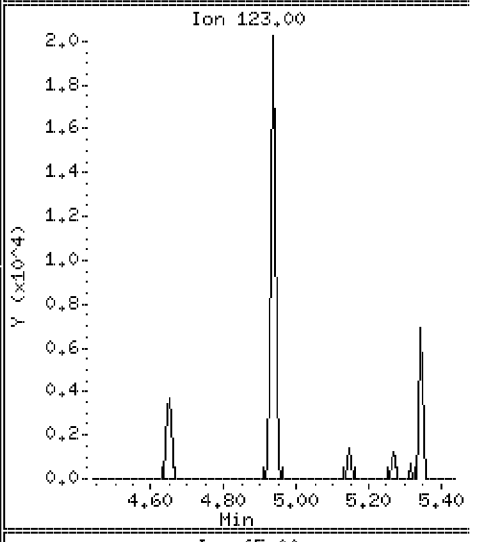


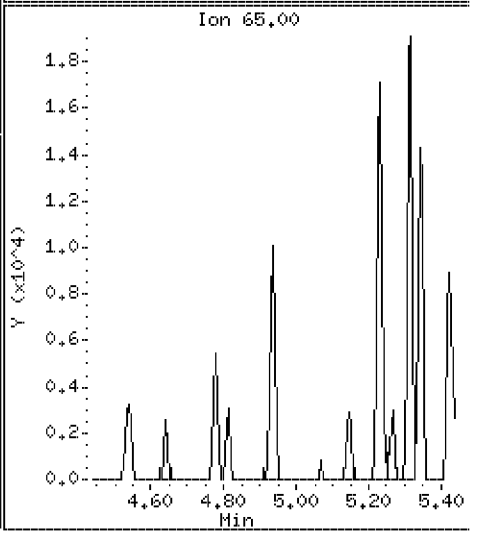












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

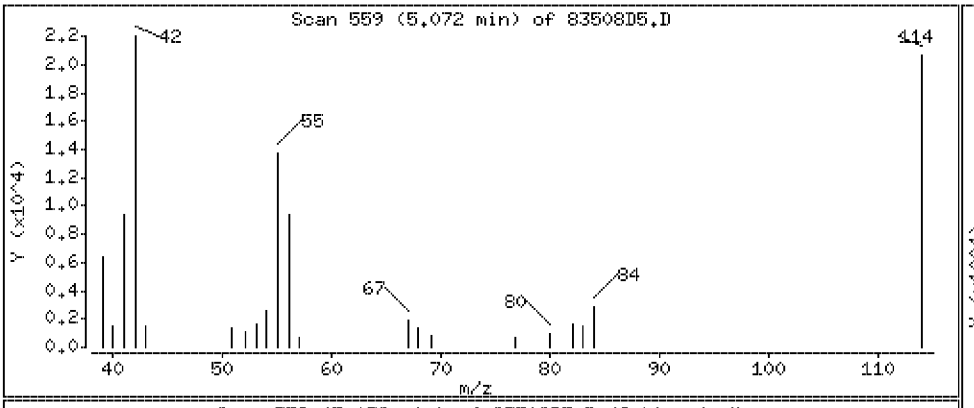
Operator: PEL

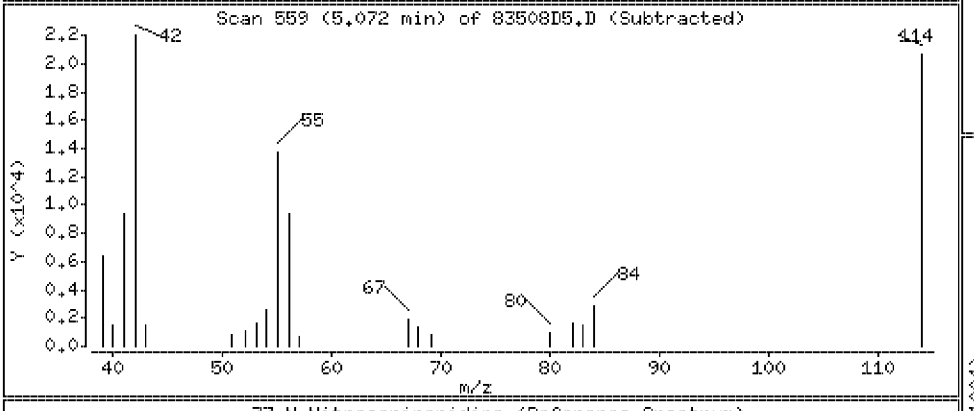
Column phase: HPMS-5

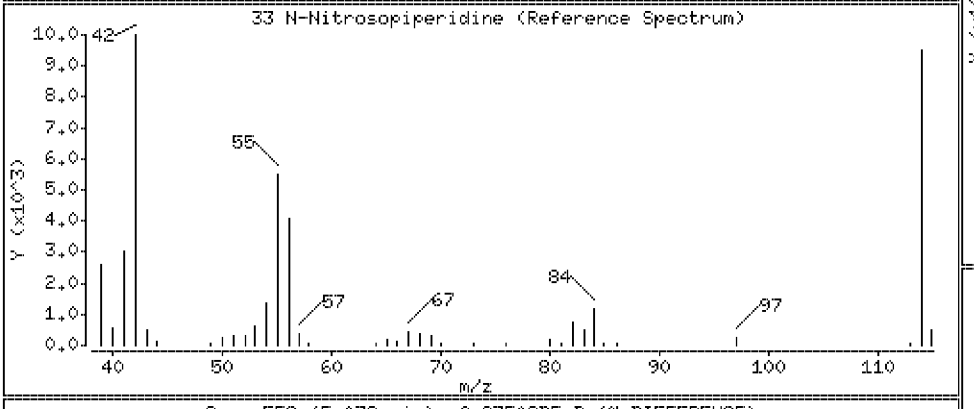
Column diameter: 0.25

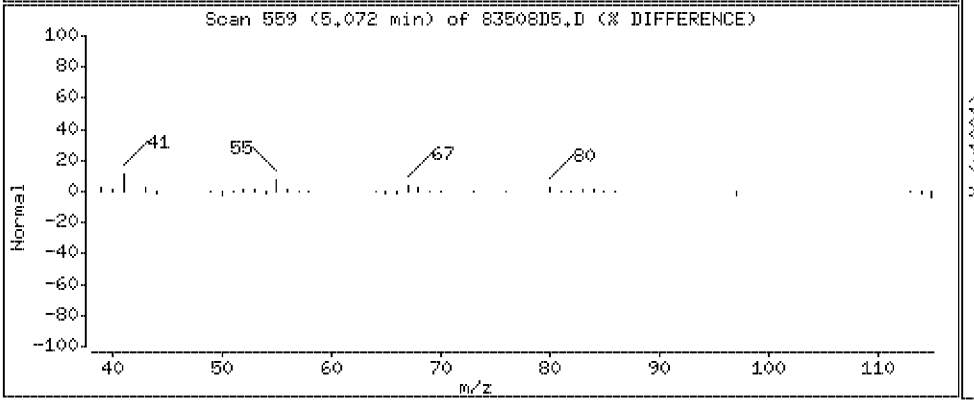
33 N-Nitrosopiperidine

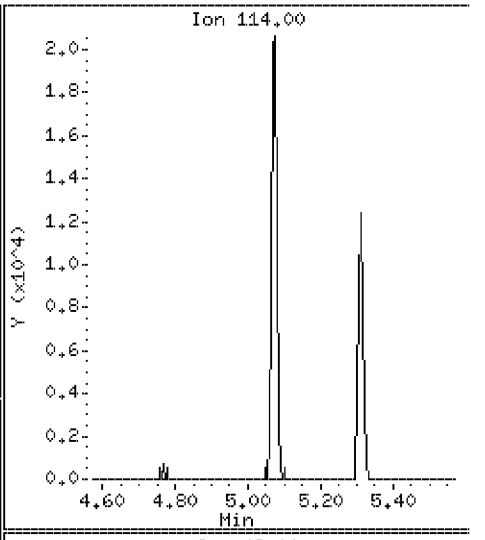
Concentration: 1580 ug/kg

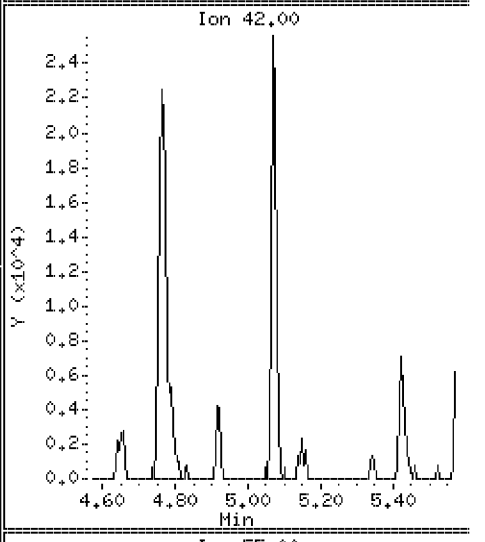


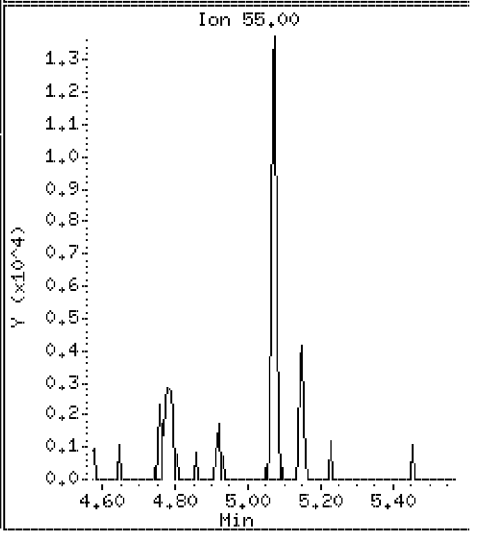












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

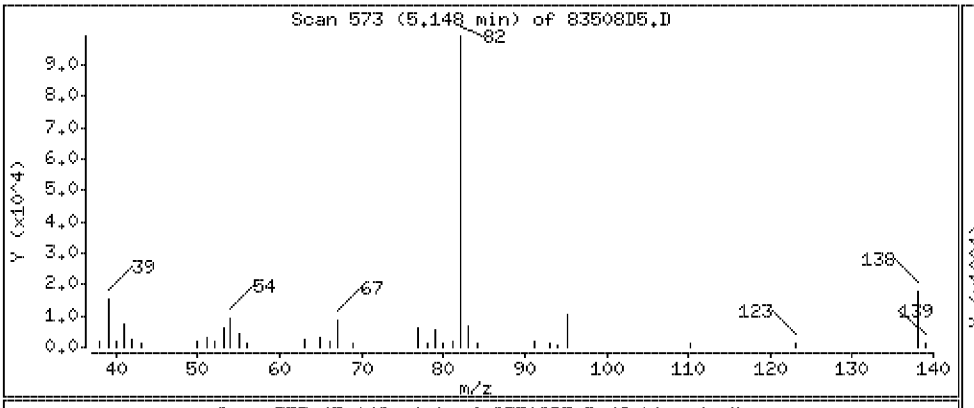
Operator: PEL

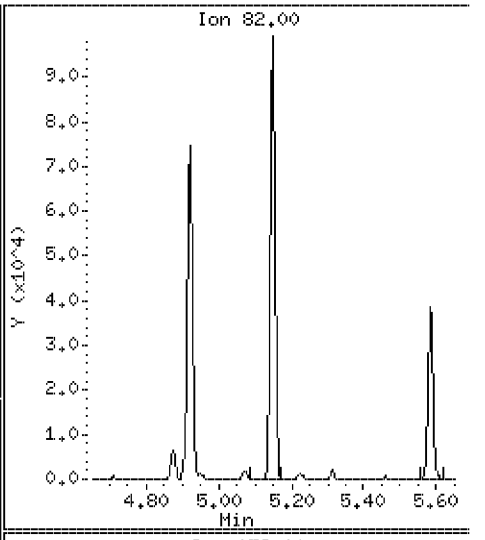
Column phase: HPMS-5

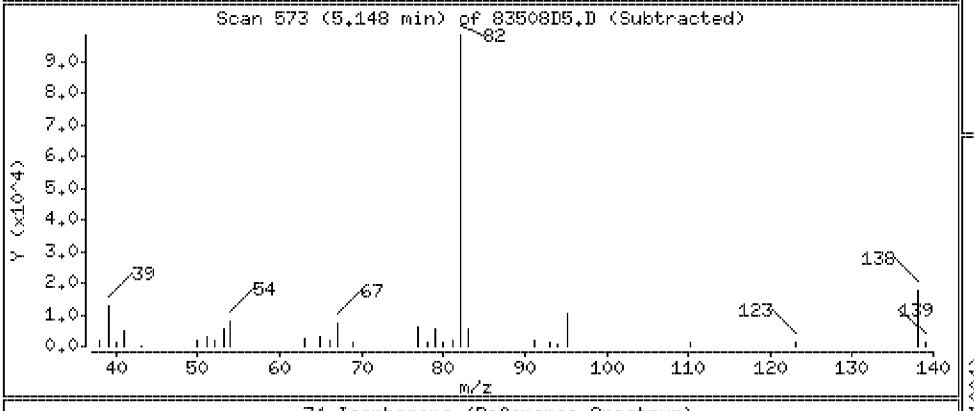
Column diameter: 0.25

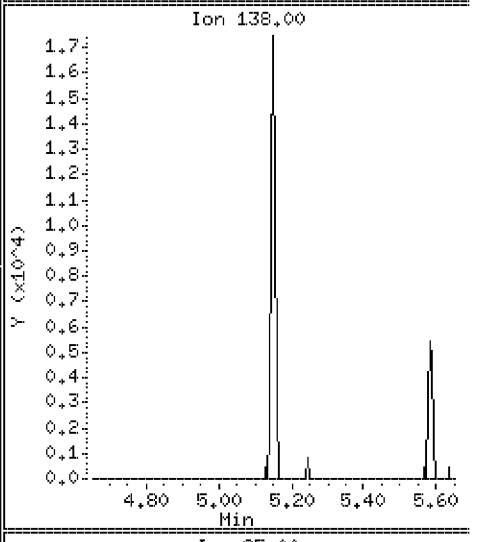
34 Isophorone

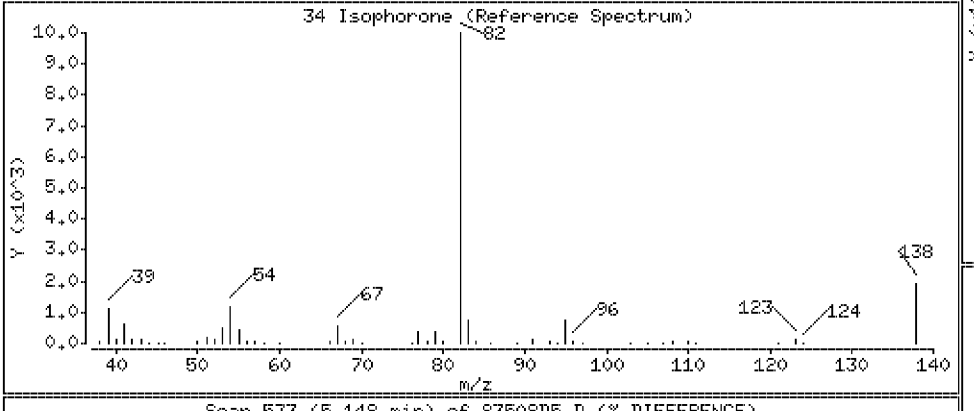
Concentration: 1970 ug/kg

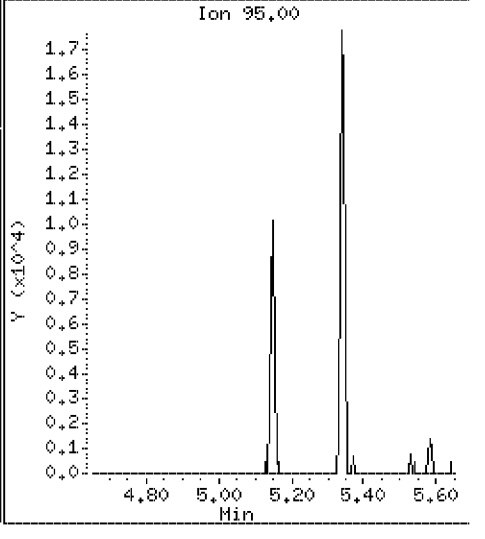


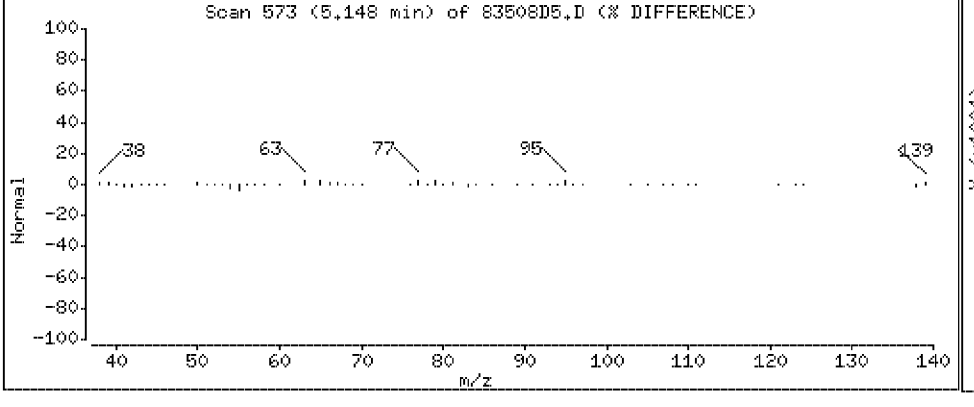












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

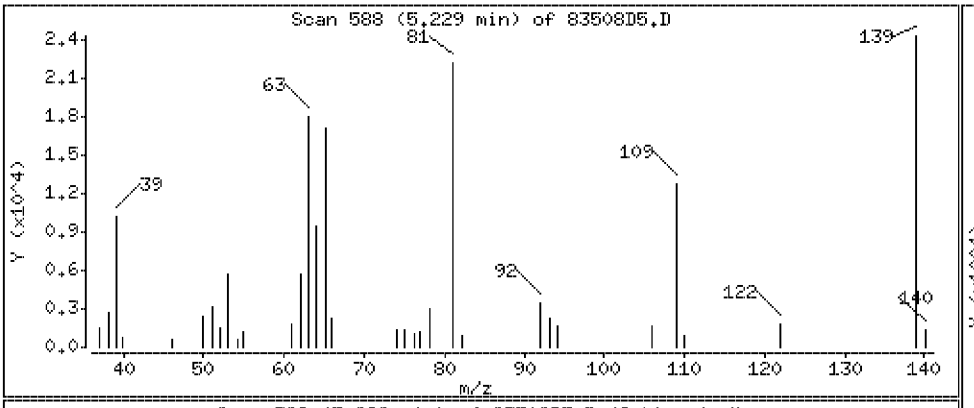
Operator: PEL

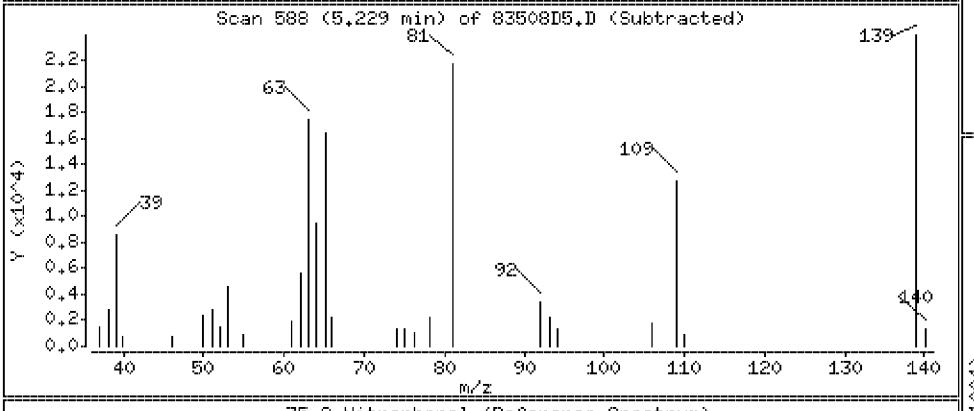
Column phase: HPMS-5

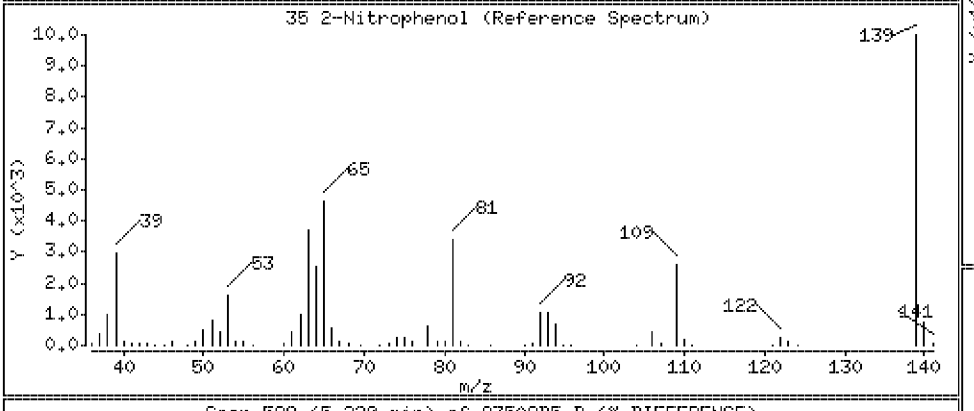
Column diameter: 0.25

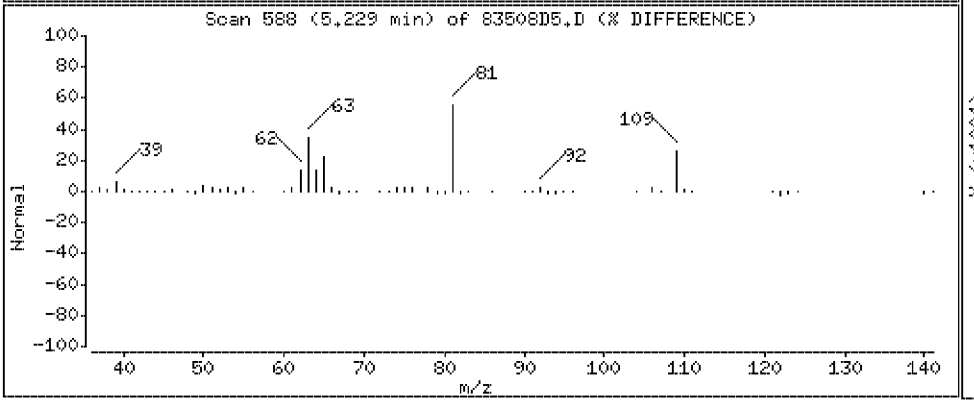
35 2-Nitrophenol

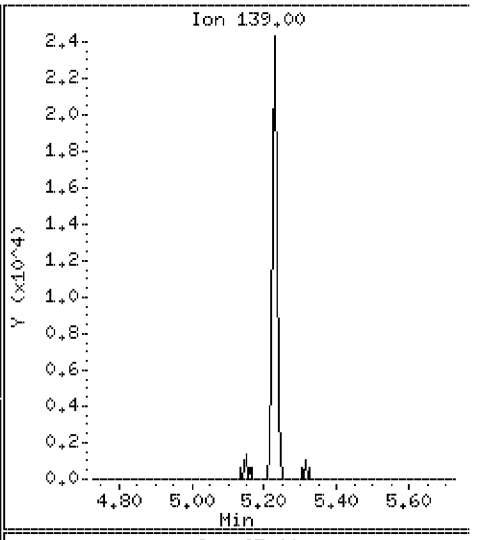
Concentration: 1450 ug/kg

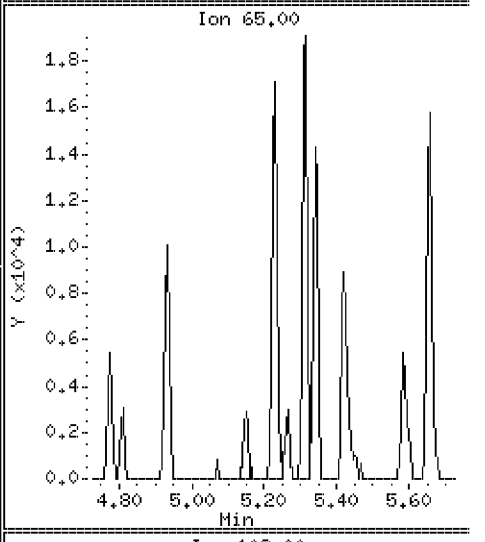


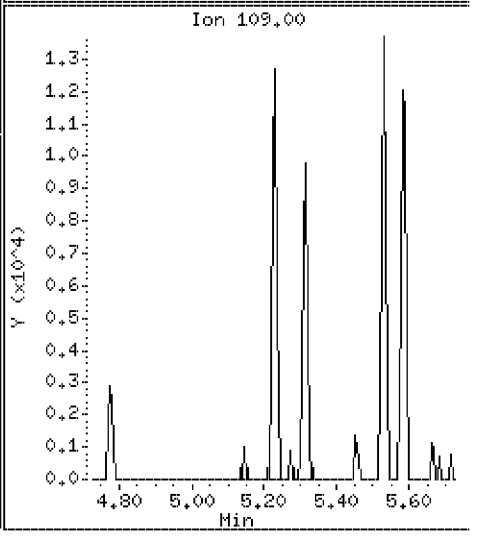












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

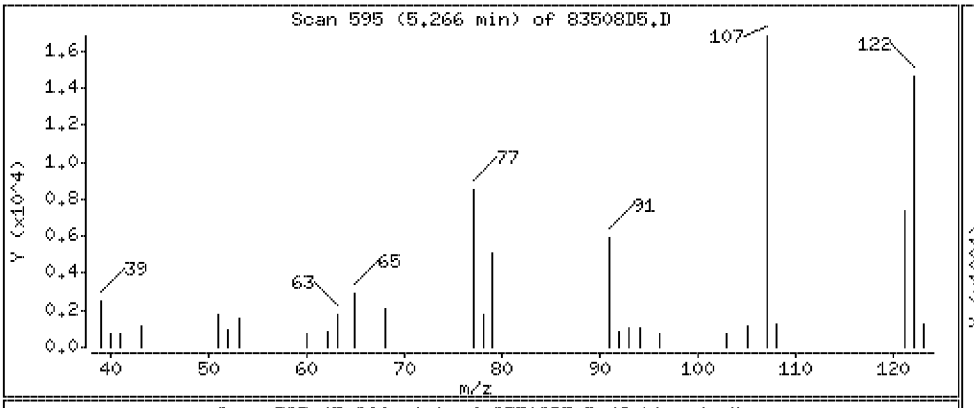
Operator: PEL

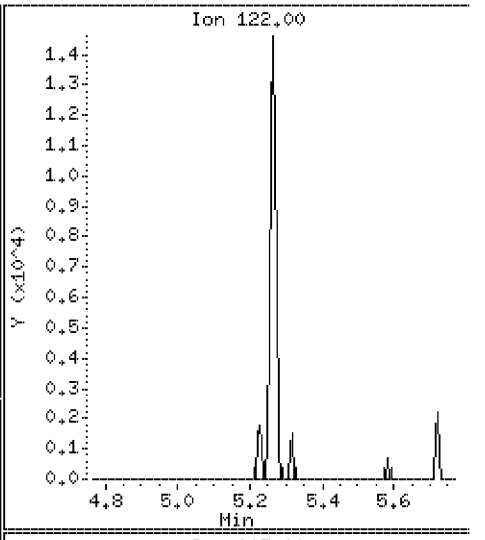
Column phase: HPMS-5

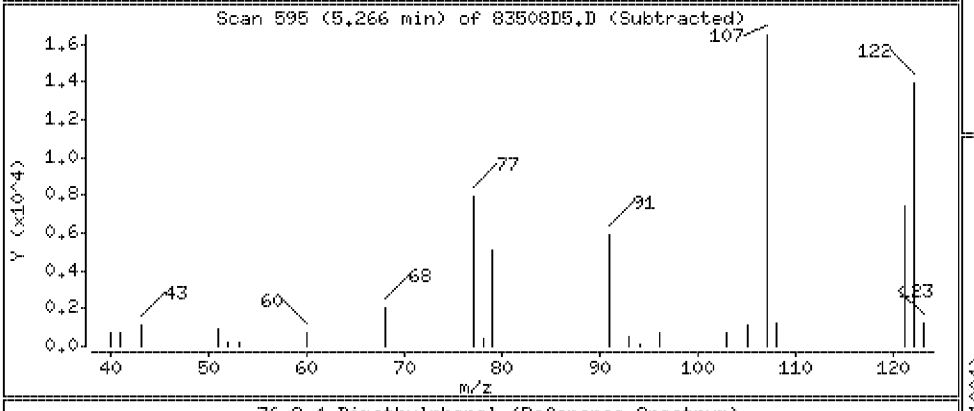
Column diameter: 0.25

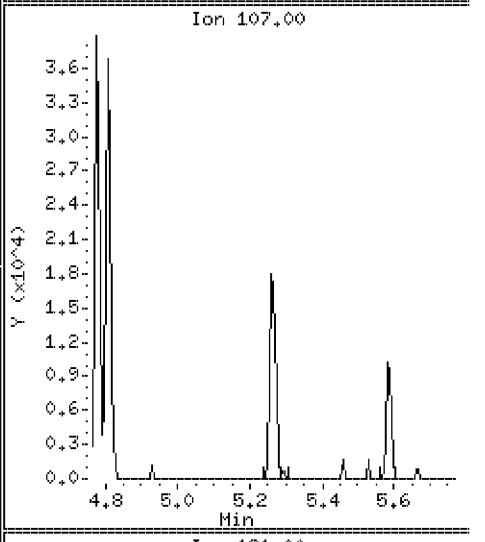
36 2,4-Dimethylphenol

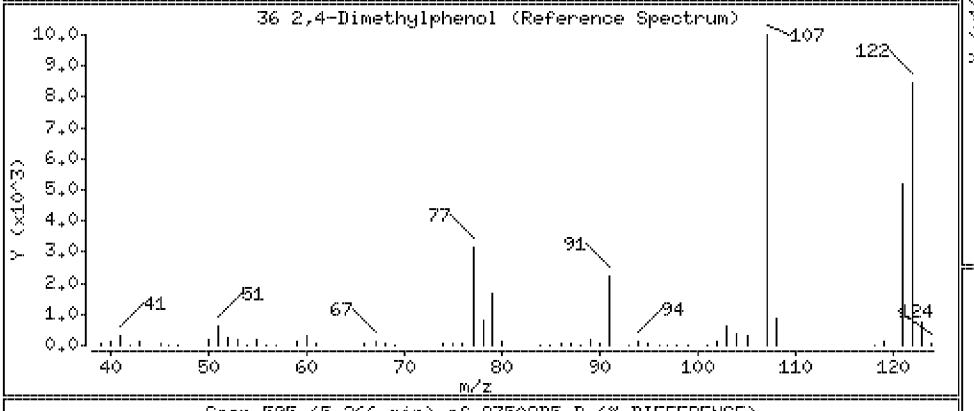
Concentration: 561 ug/kg

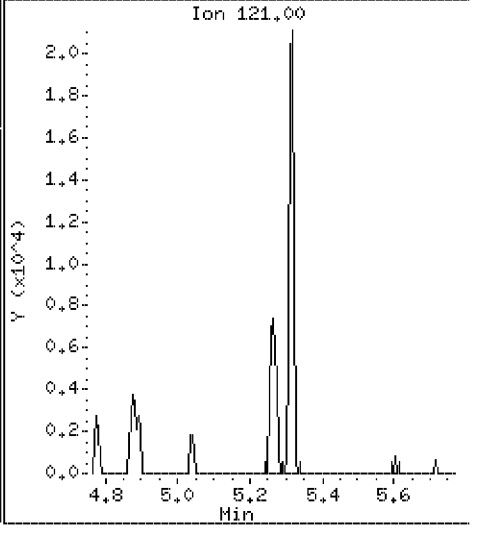


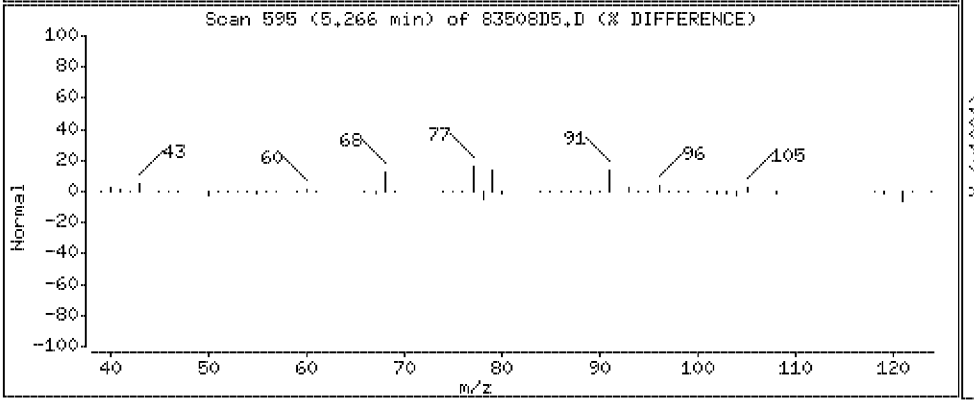












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

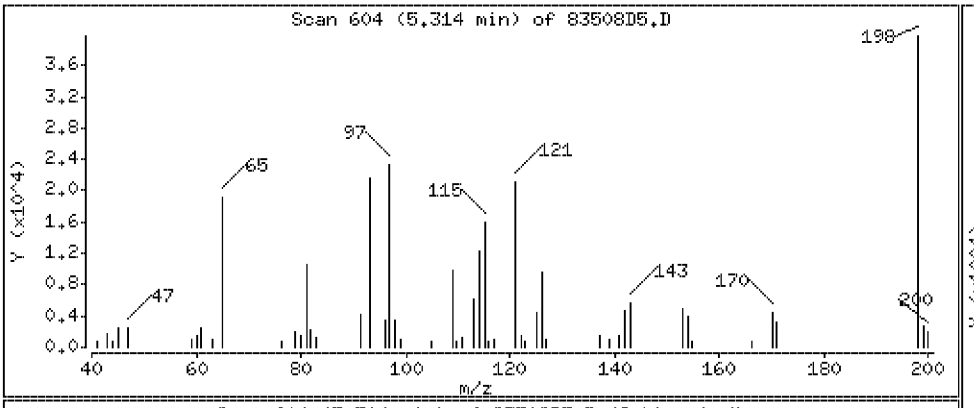
Operator: PEL

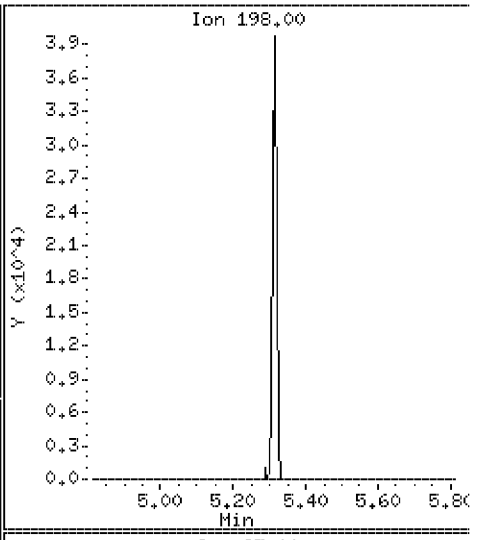
Column phase: HPMS-5

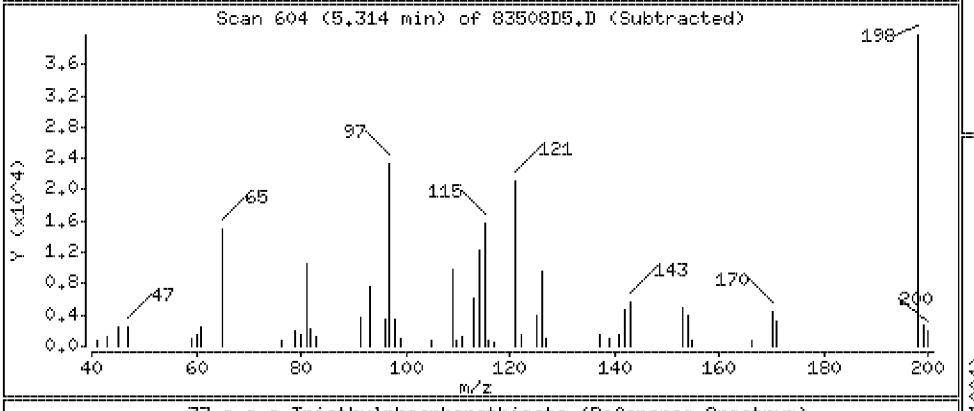
Column diameter: 0.25

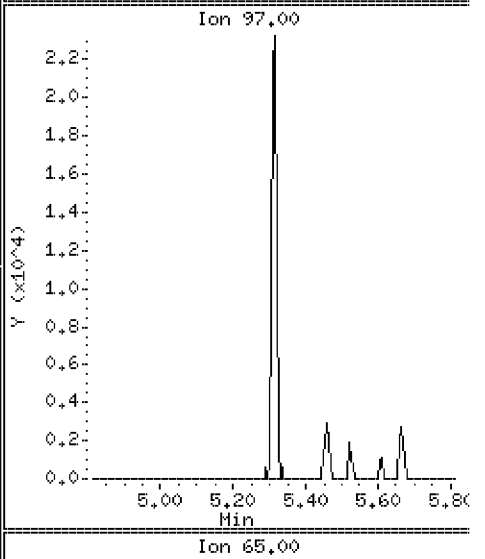
37 o,o,o-Triethylphosphorothioate

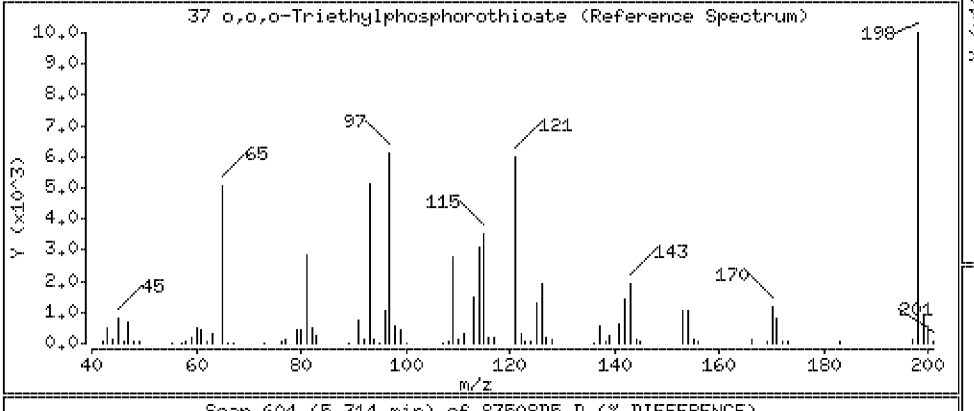
Concentration: 1410 ug/kg

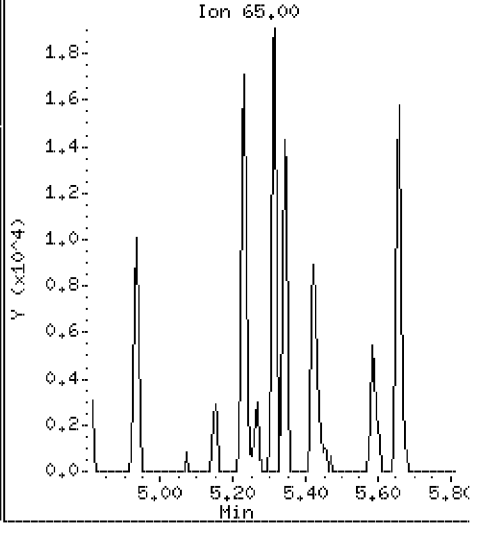


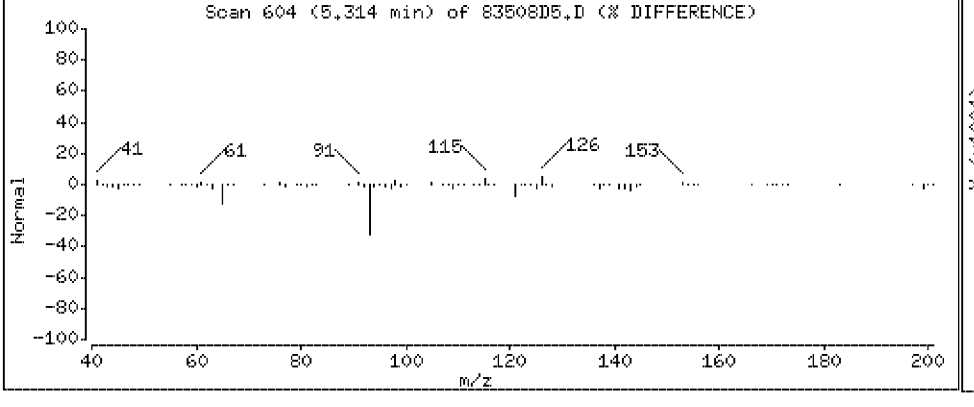












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

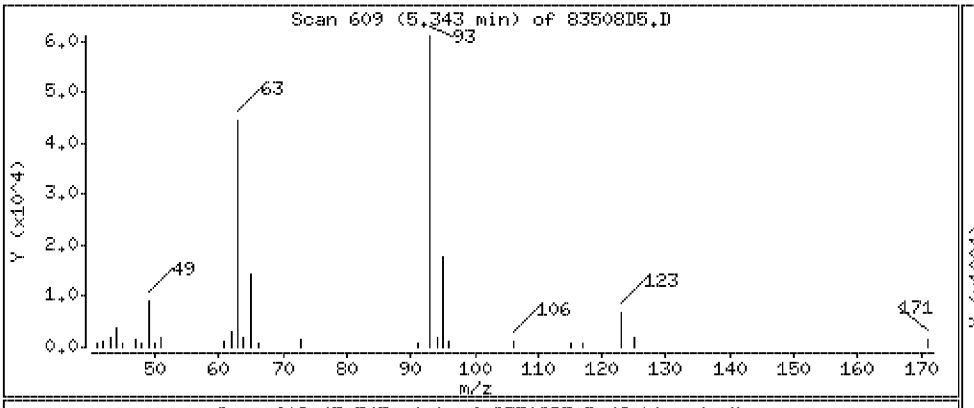
Operator: PEL

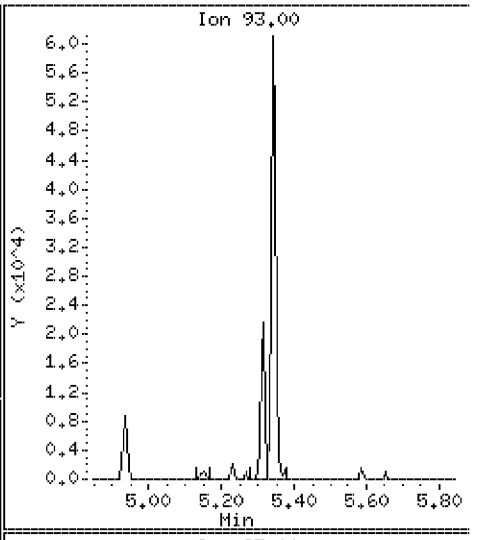
Column phase: HPMS-5

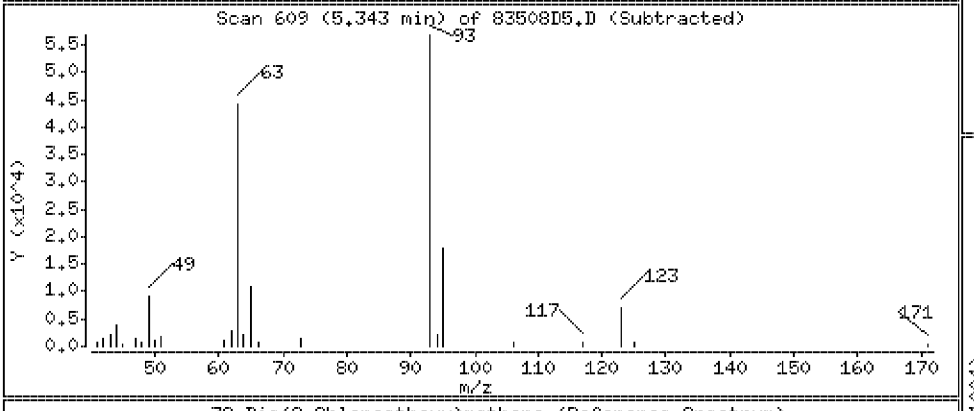
Column diameter: 0.25

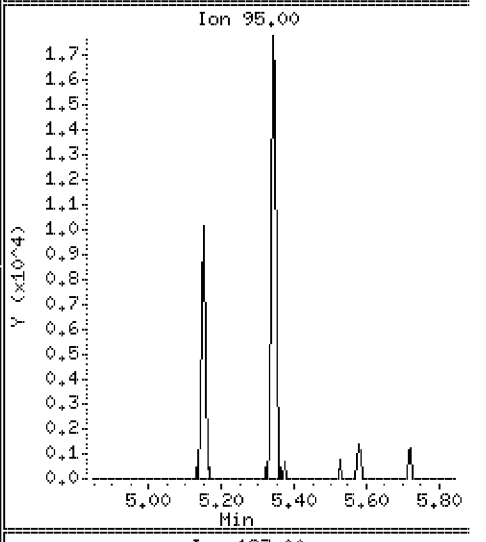
38 Bis(2-Chloroethoxy)methane

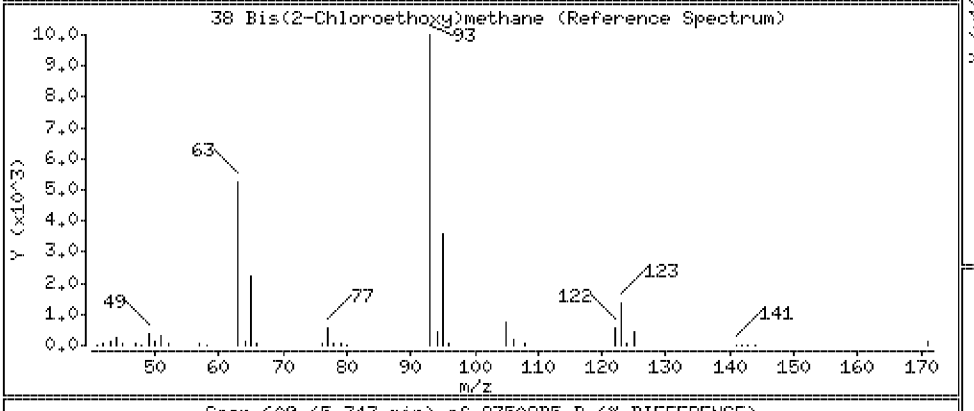
Concentration: 1570 ug/kg

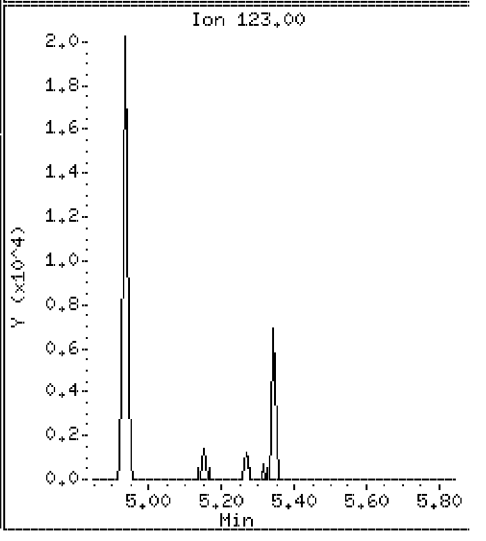


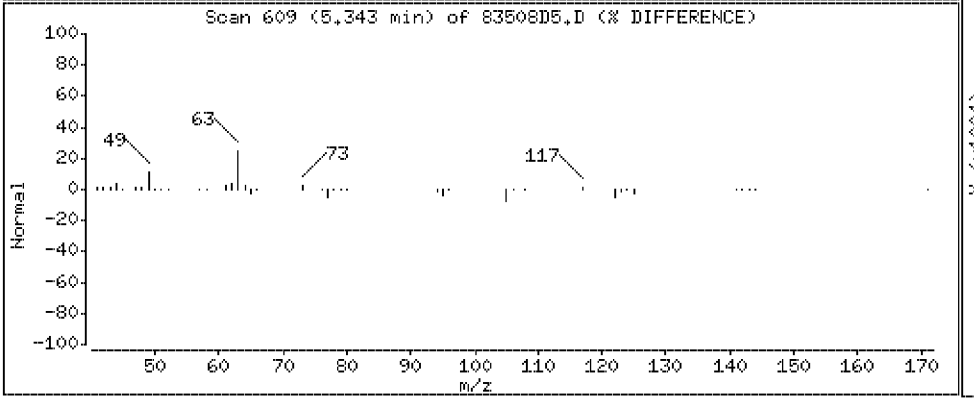












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

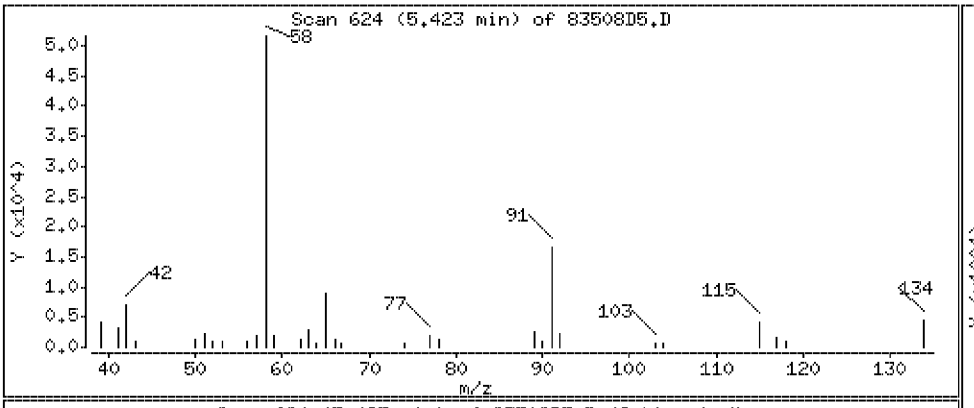
Operator: PEL

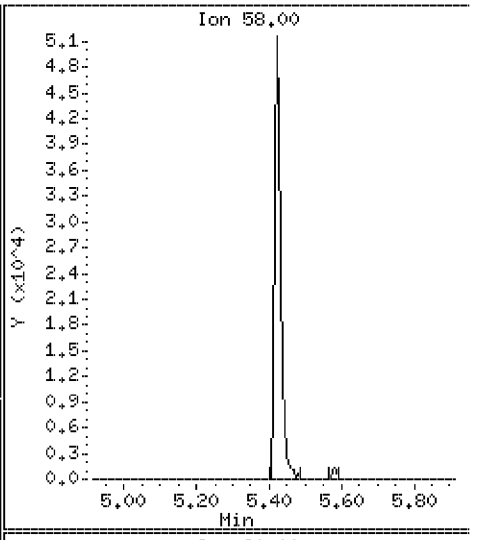
Column phase: HPMS-5

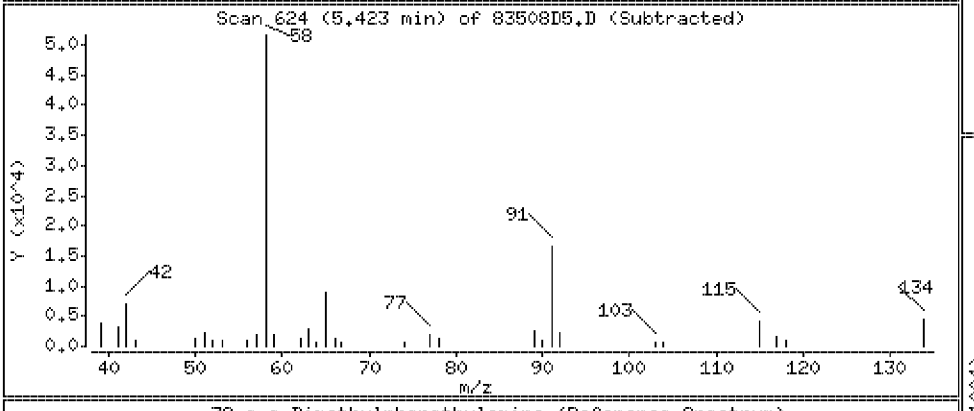
Column diameter: 0.25

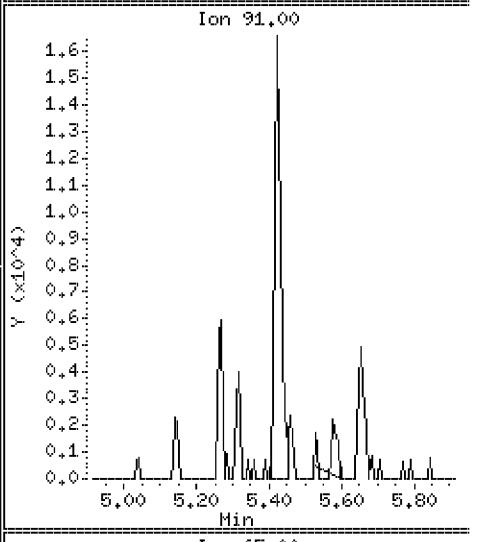
39 a,a-Dimethylphenethylamine

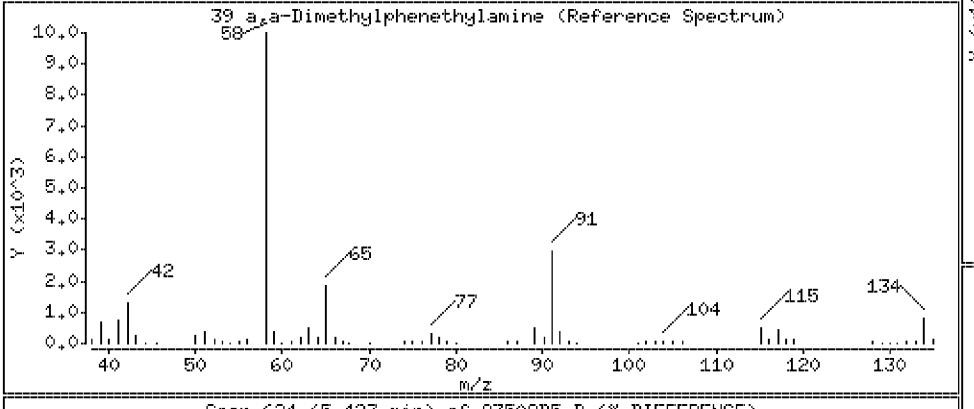
Concentration: 1320 ug/kg

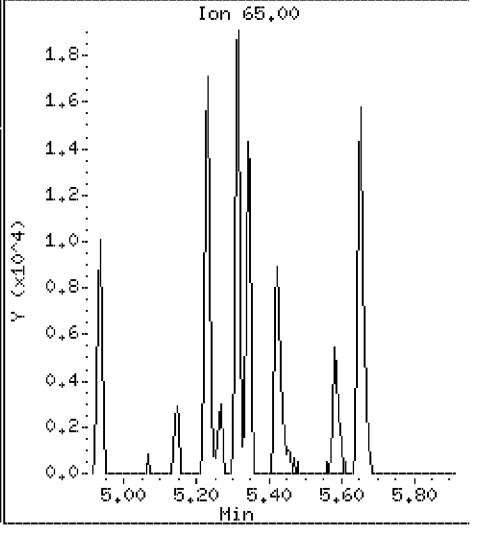


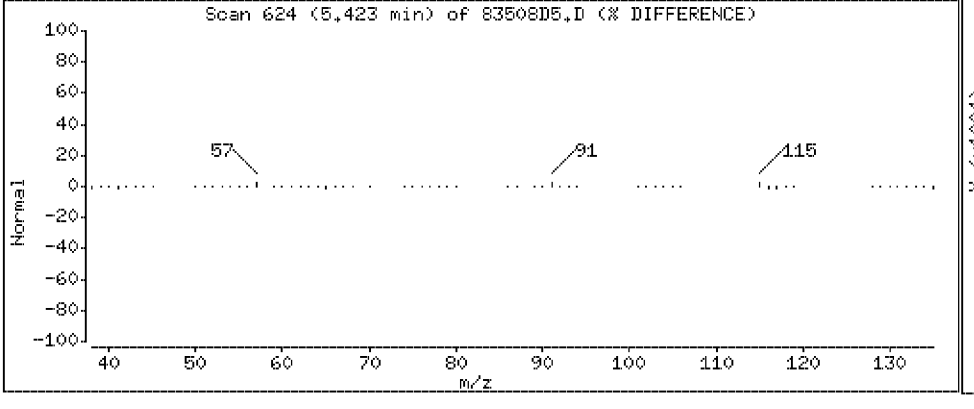












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

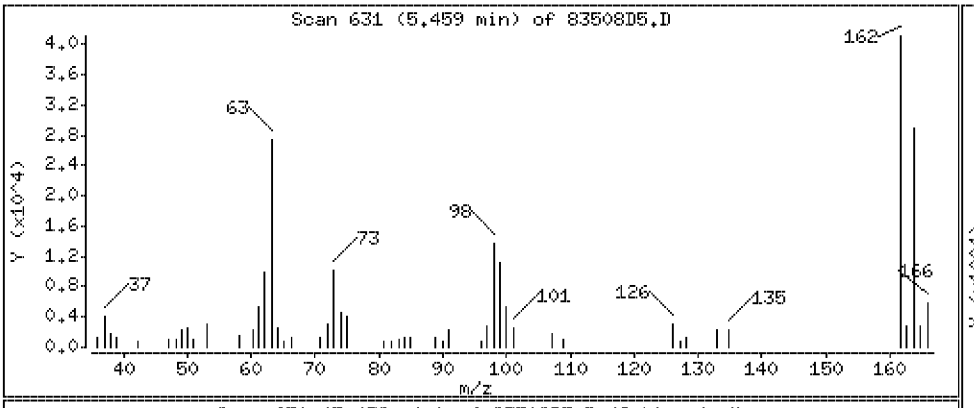
Operator: PEL

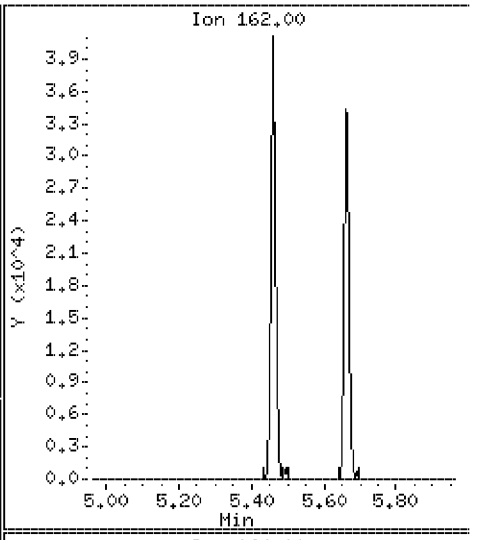
Column phase: HPMS-5

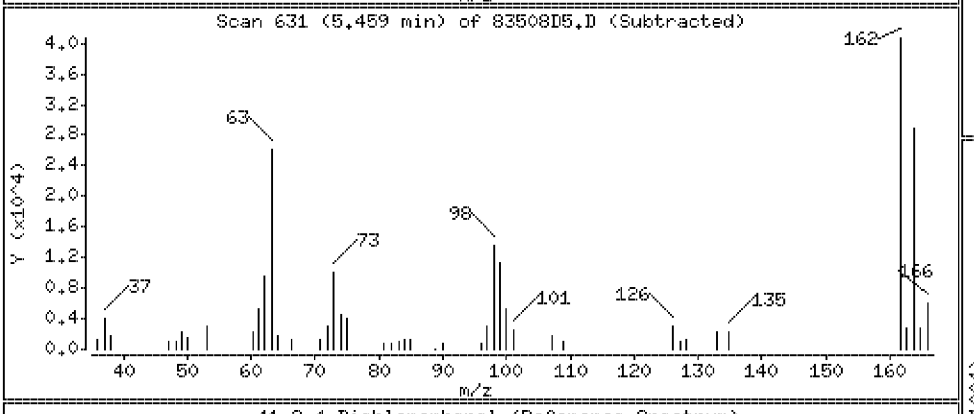
Column diameter: 0.25

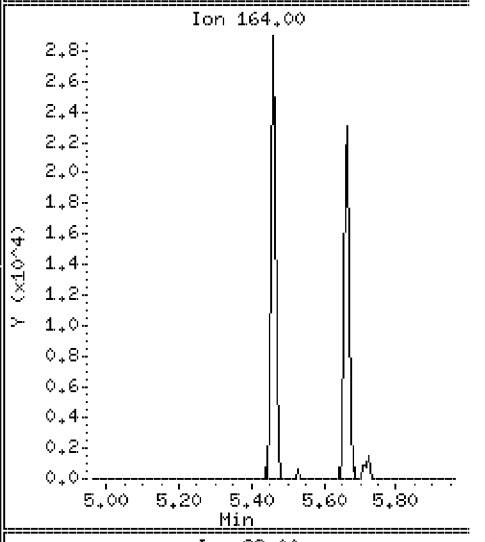
41 2,4-Dichlorophenol

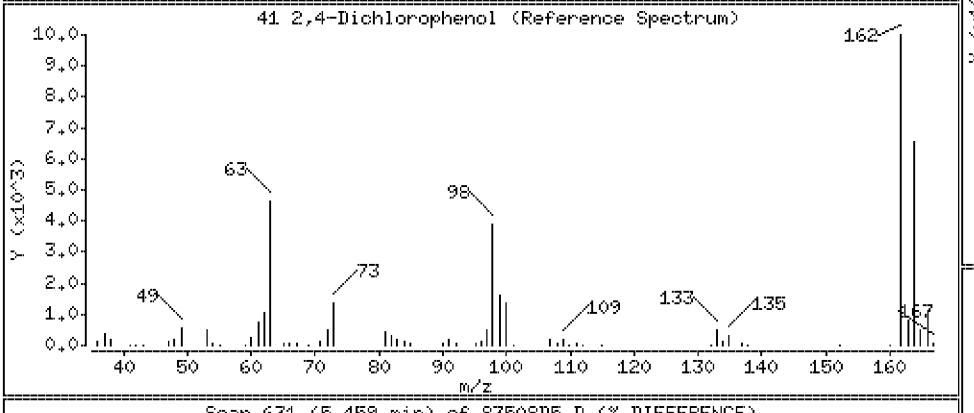
Concentration: 1290 ug/kg

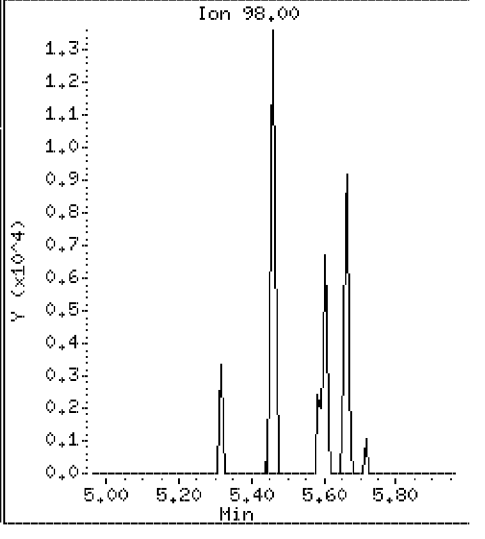


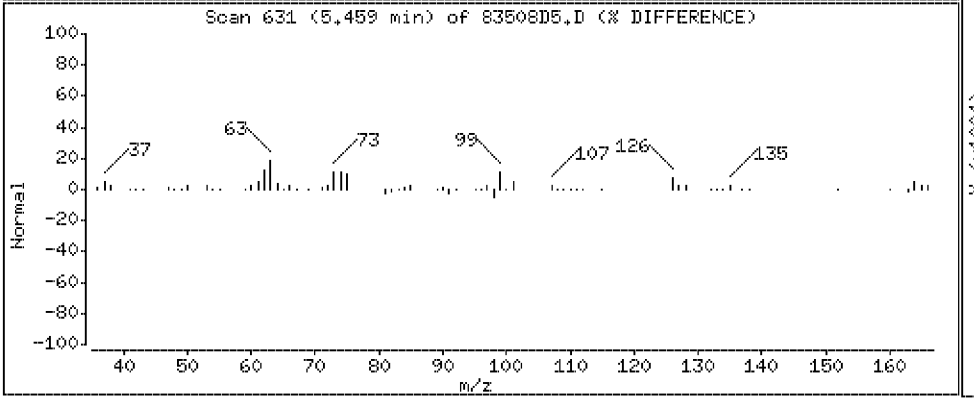












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

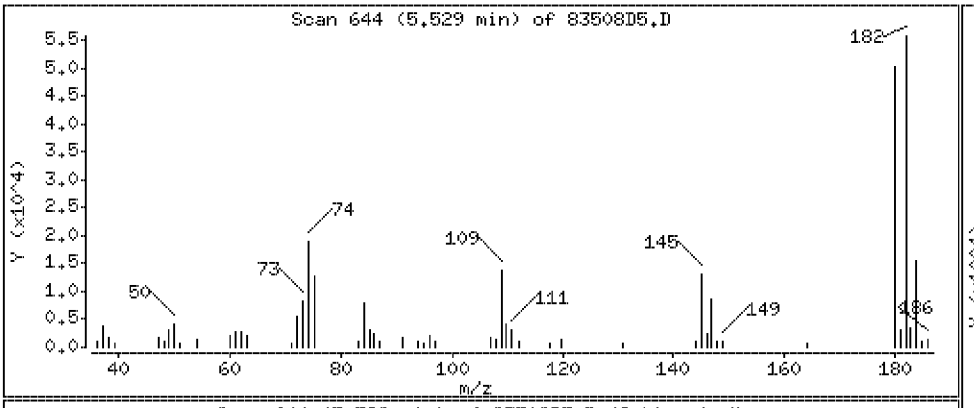
Operator: PEL

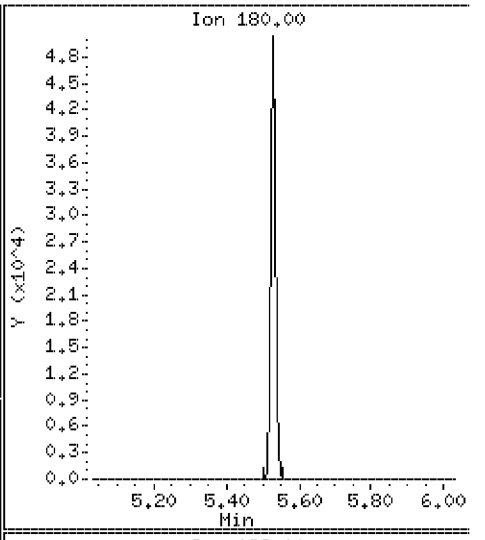
Column phase: HPMS-5

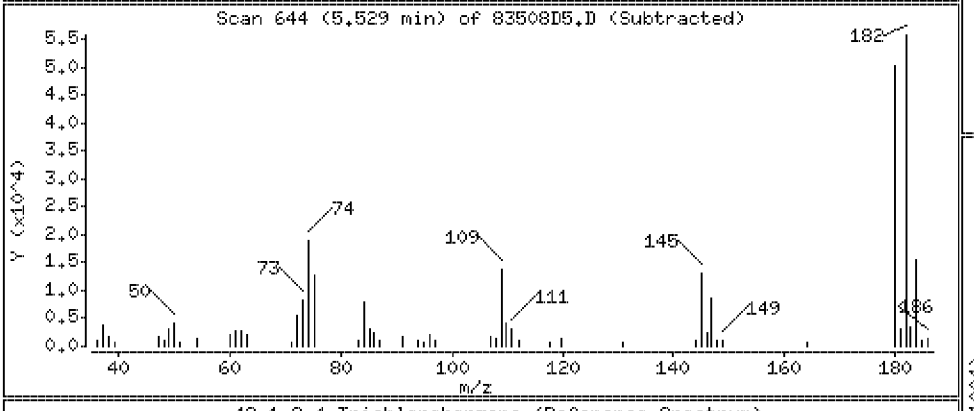
Column diameter: 0.25

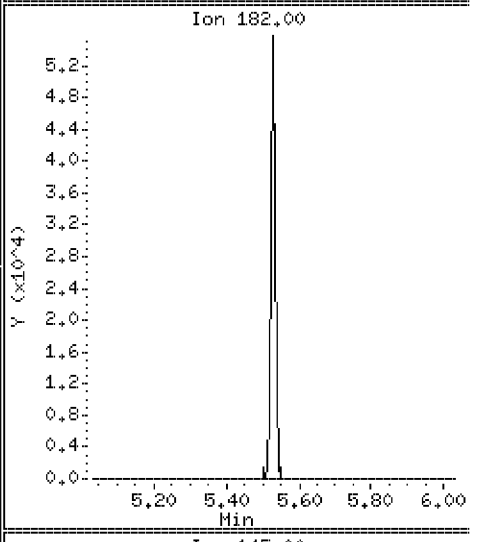
42 1,2,4-Trichlorobenzene

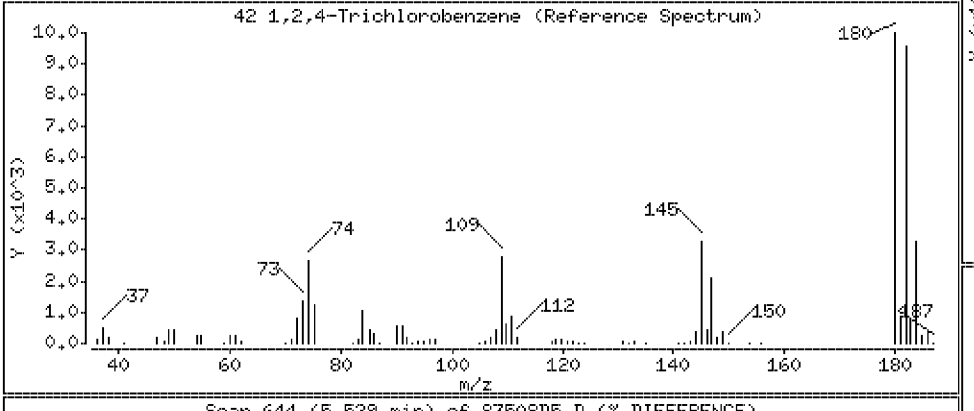
Concentration: 1360 ug/kg

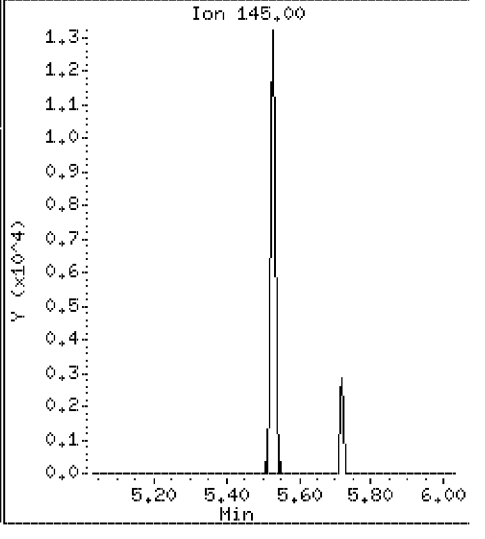


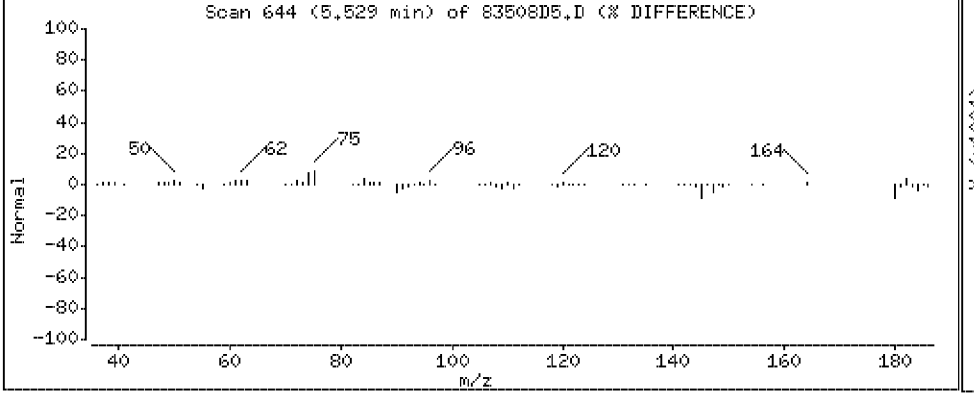












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

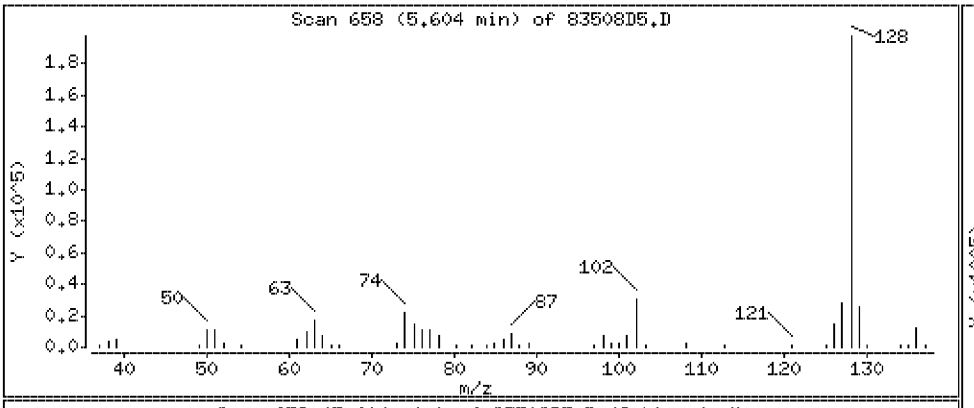
Operator: PEL

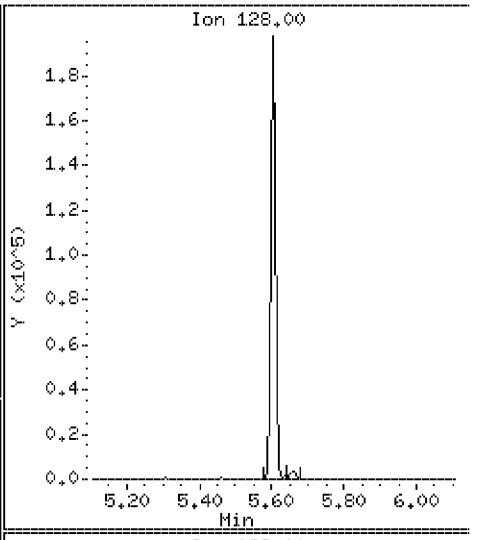
Column phase: HPMS-5

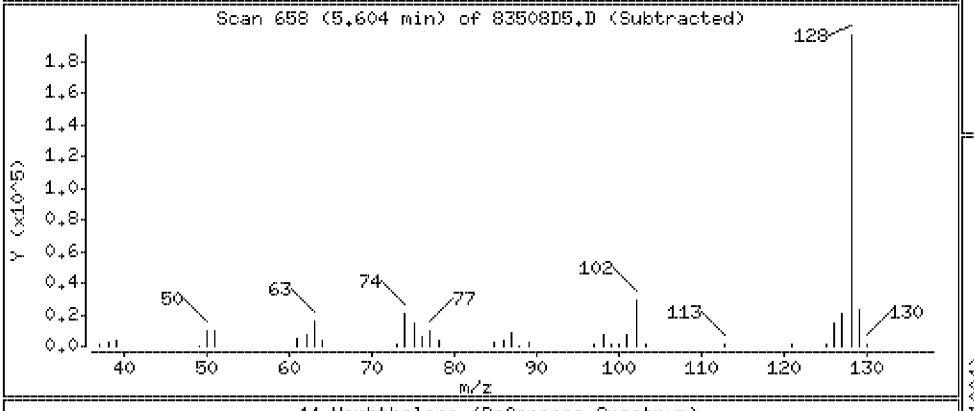
Column diameter: 0.25

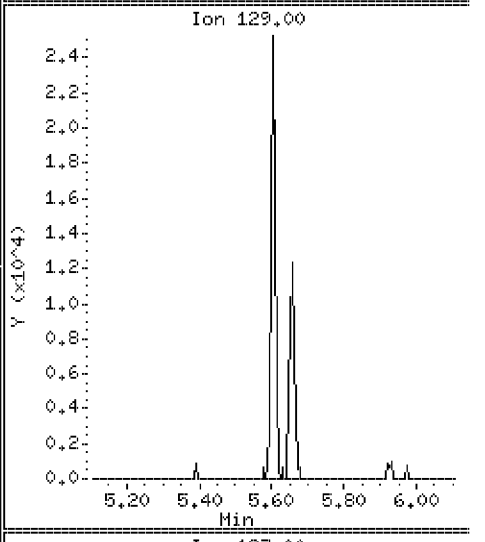
44 Naphthalene

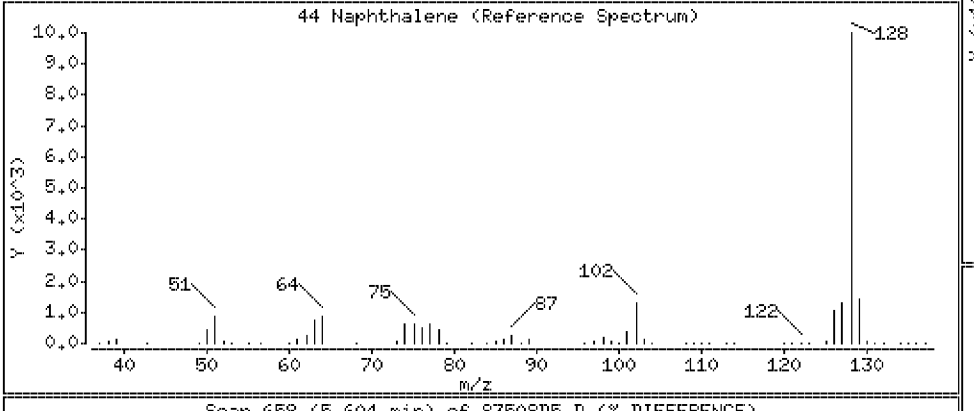
Concentration: 2260 ug/kg

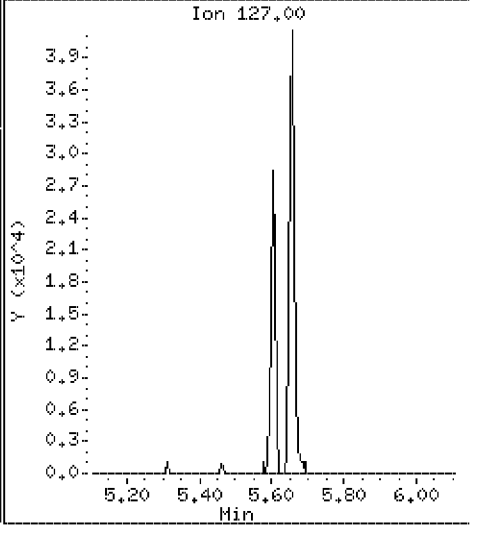


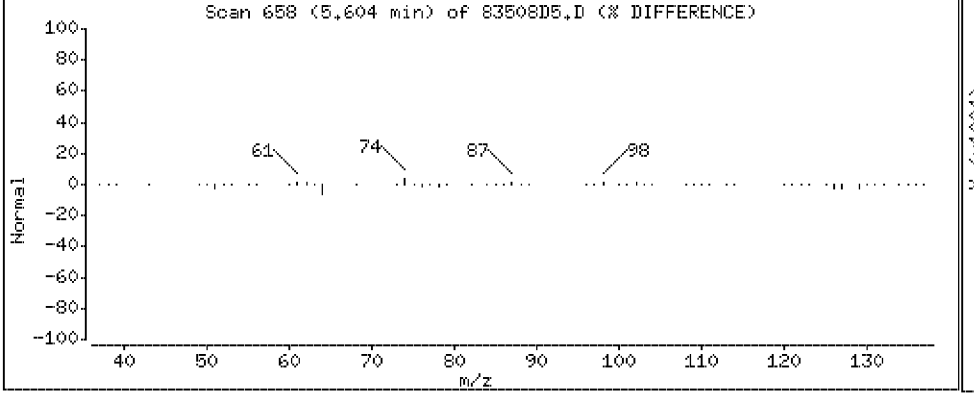












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

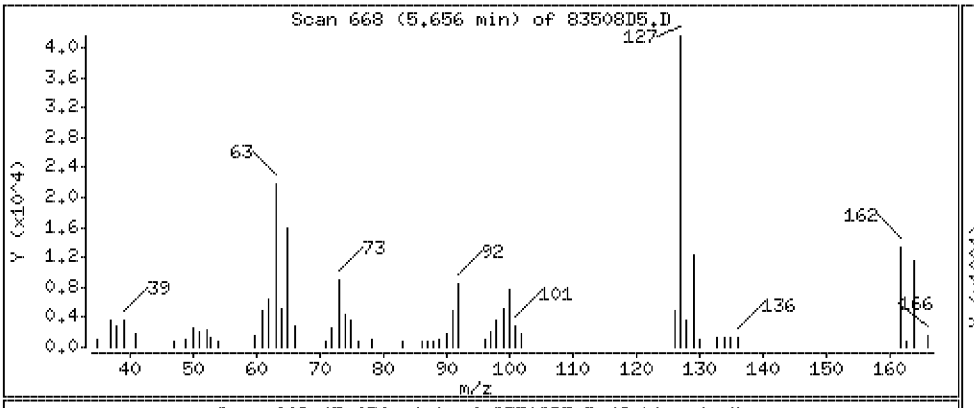
Operator: PEL

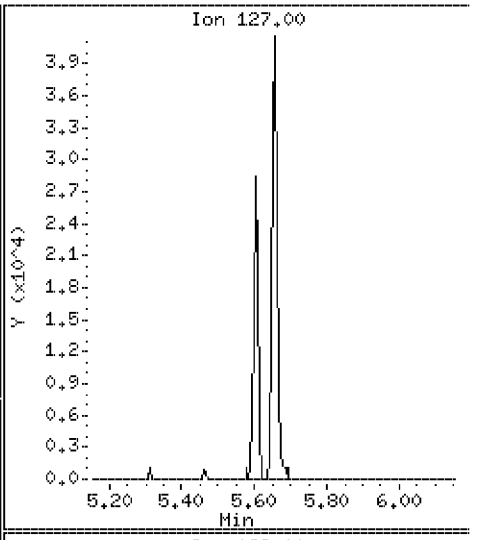
Column phase: HPMS-5

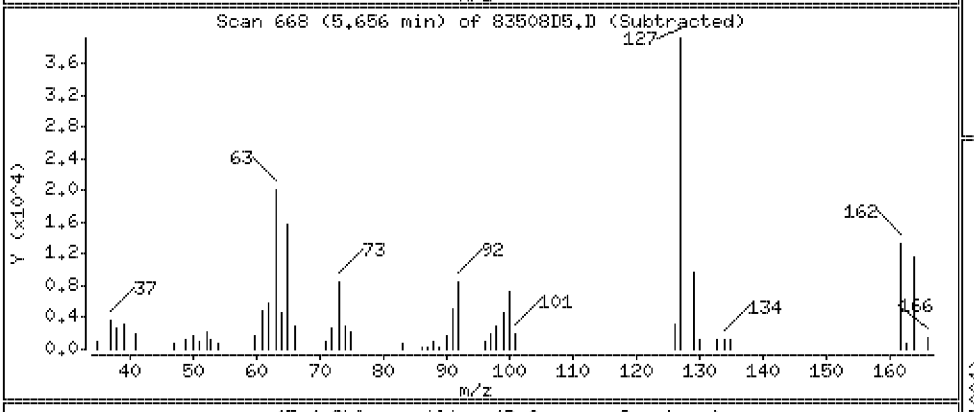
Column diameter: 0.25

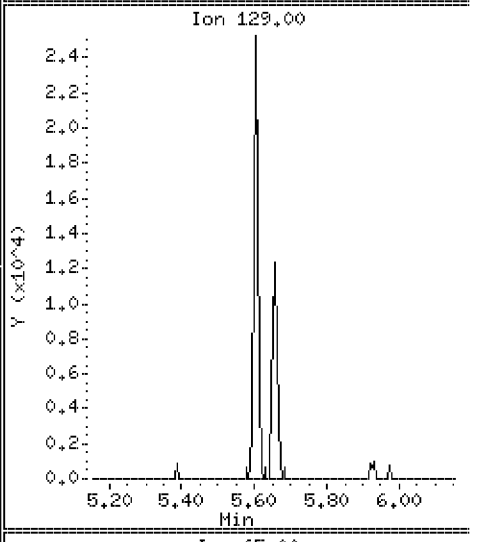
45 4-Chloroaniline

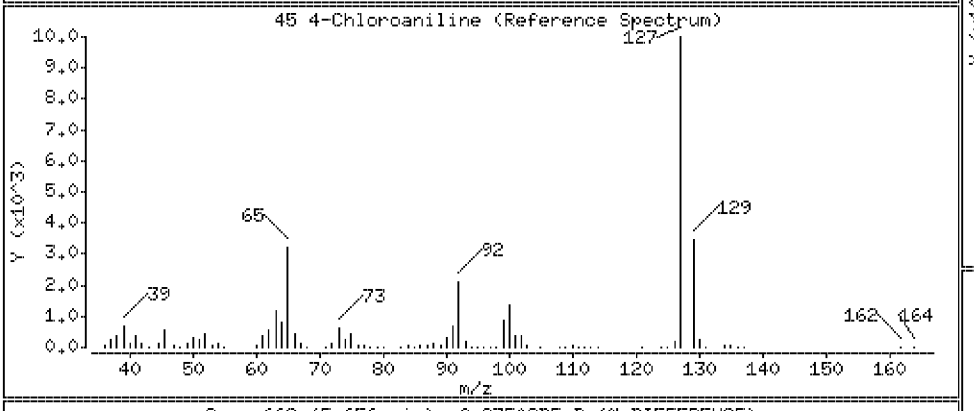
Concentration: 1250 ug/kg

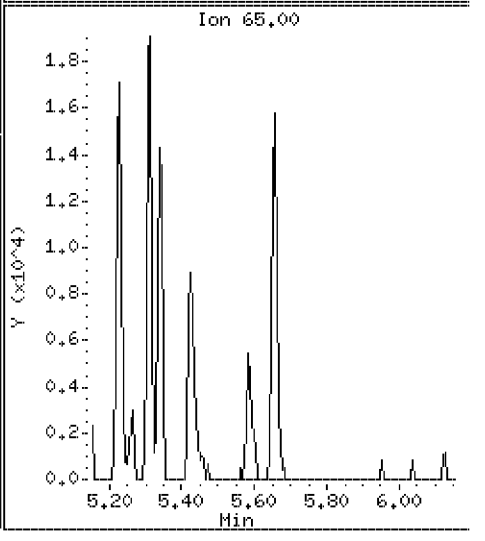


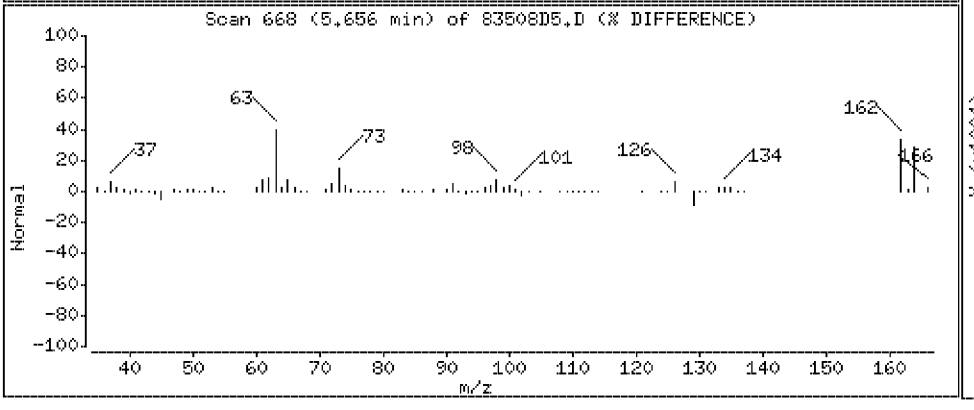












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

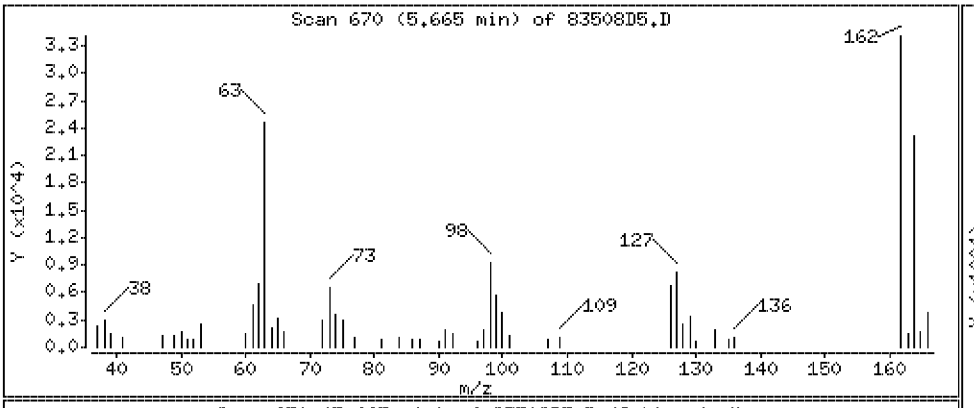
Operator: PEL

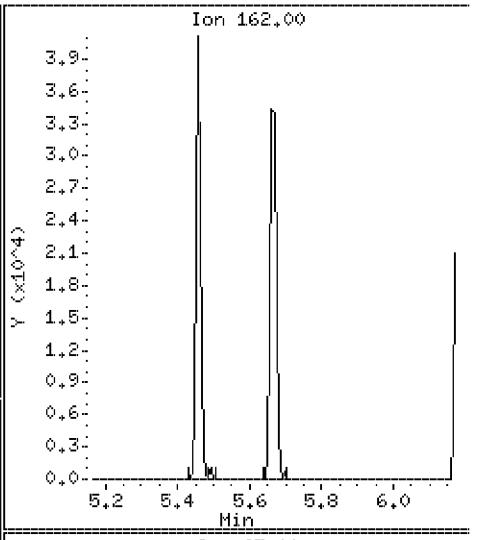
Column phase: HPMS-5

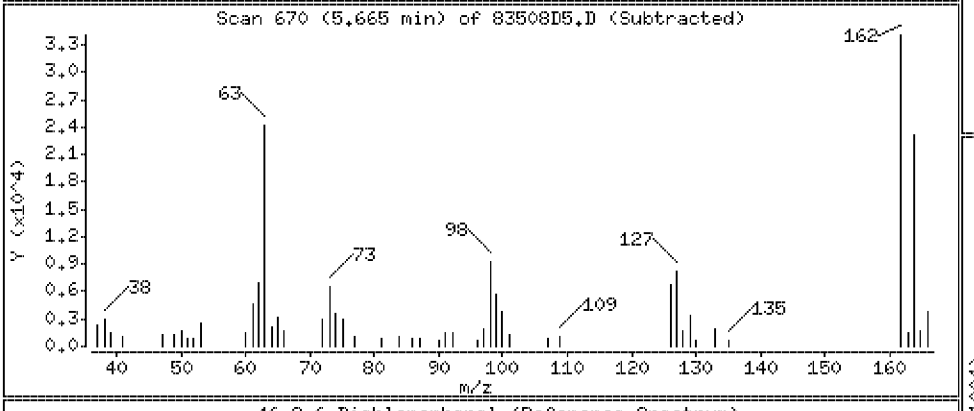
Column diameter: 0.25

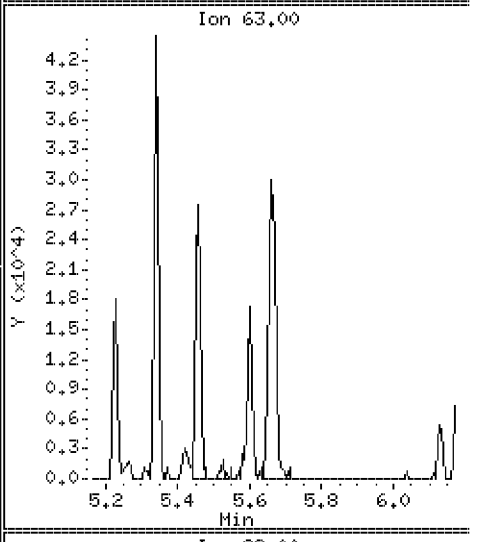
46 2,6-Dichlorophenol

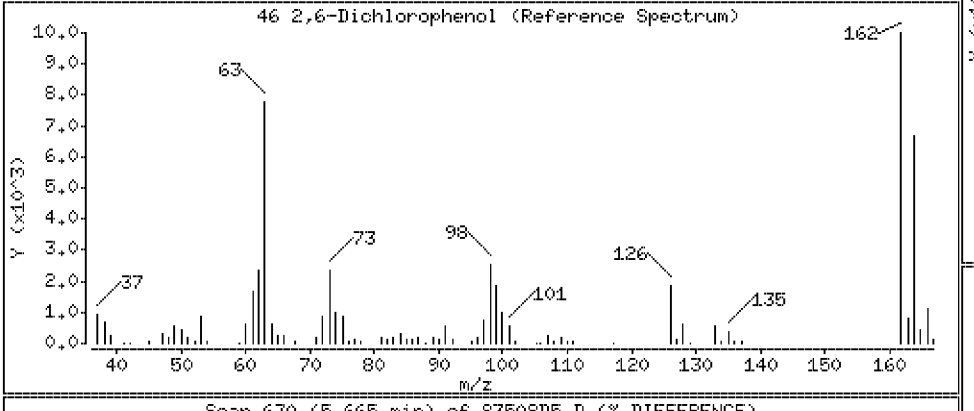
Concentration: 1320 ug/kg

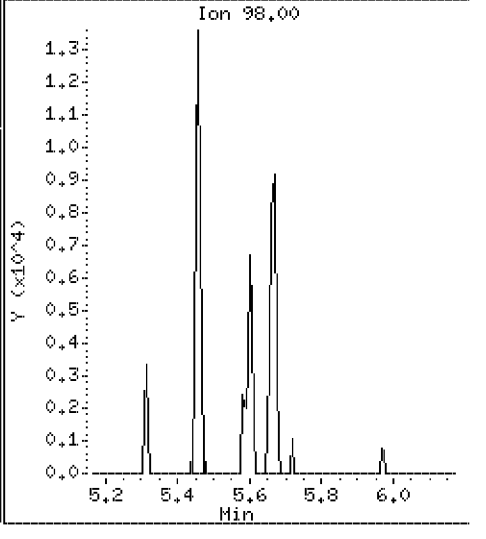


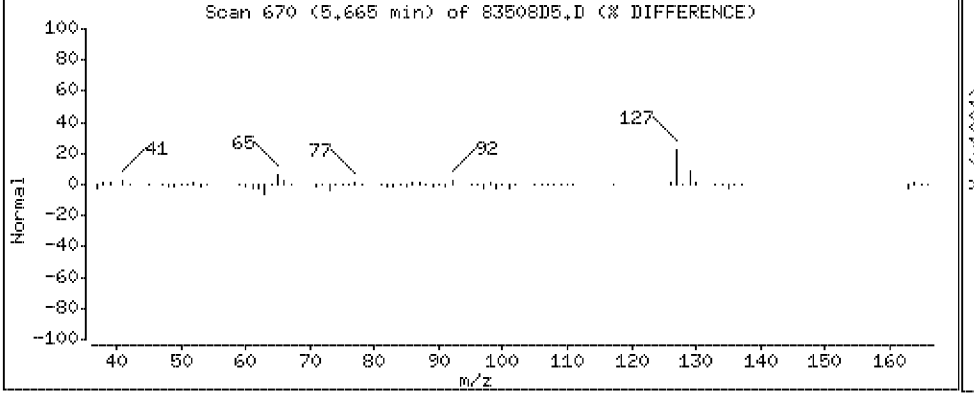












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

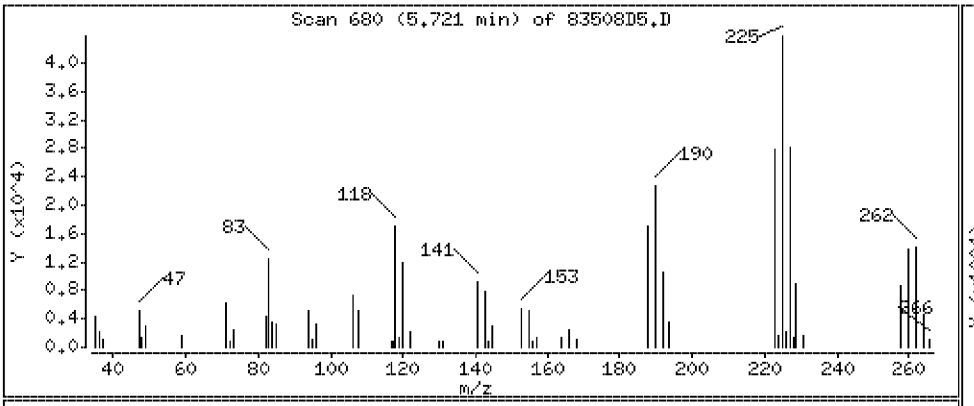
Operator: PEL

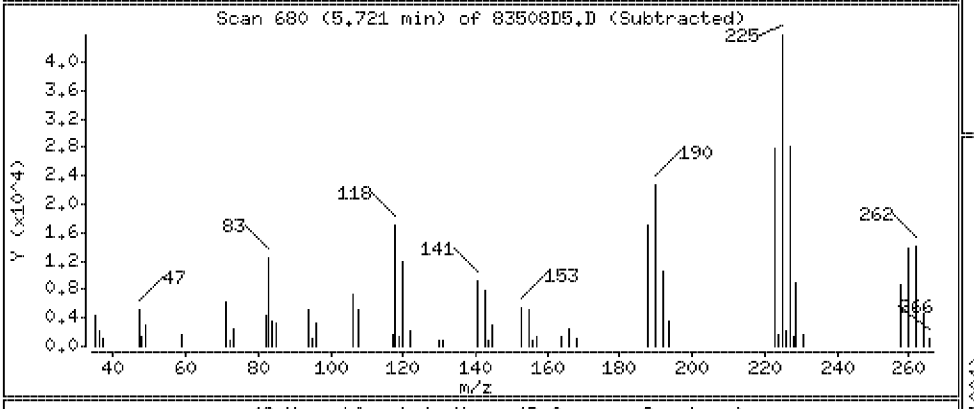
Column phase: HPMS-5

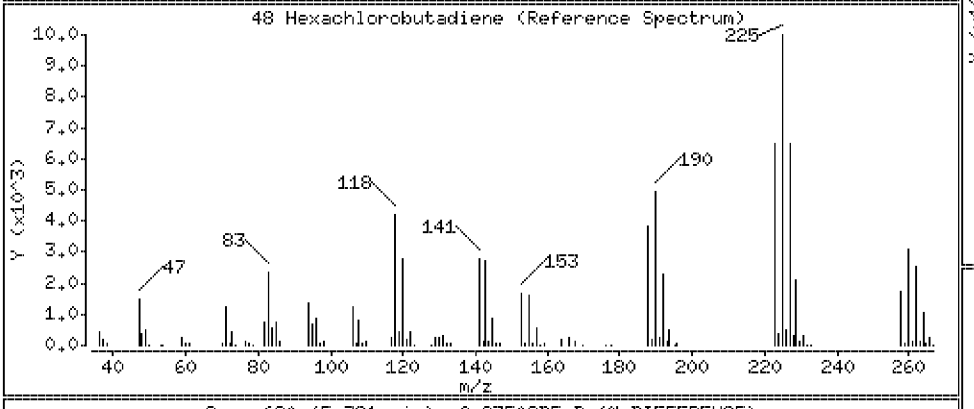
Column diameter: 0.25

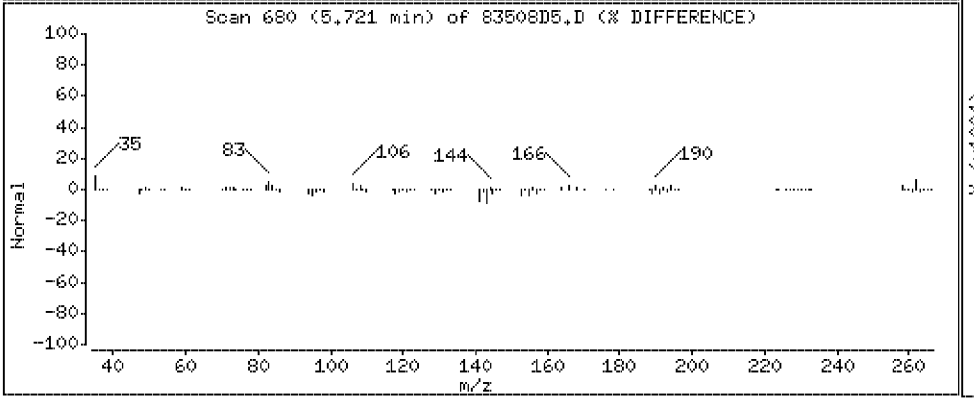
48 Hexachlorobutadiene

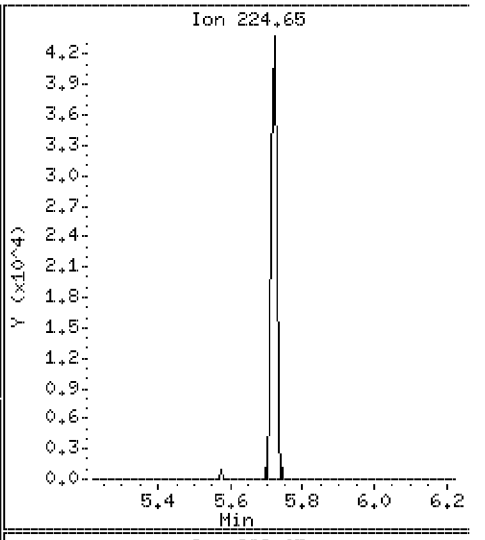
Concentration: 1400 ug/kg

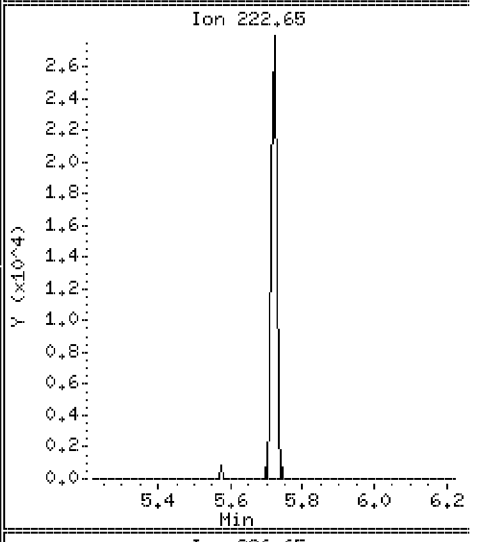


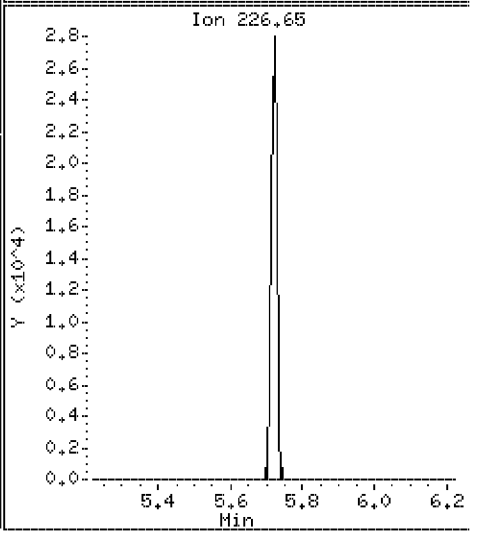












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

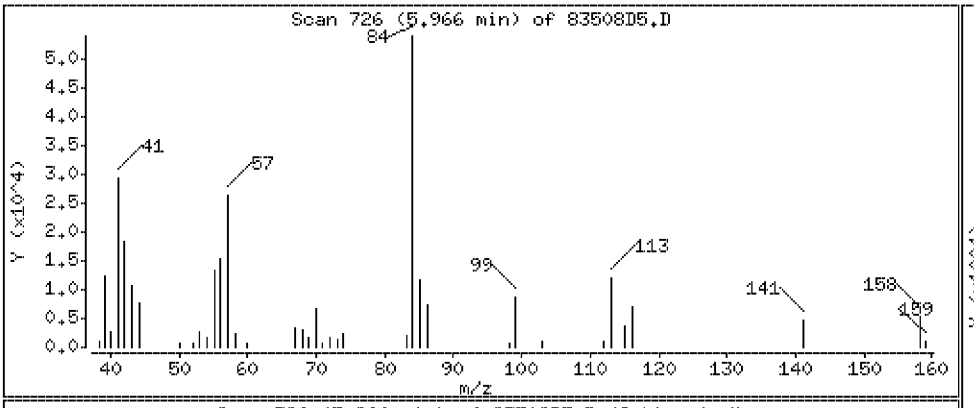
Operator: PEL

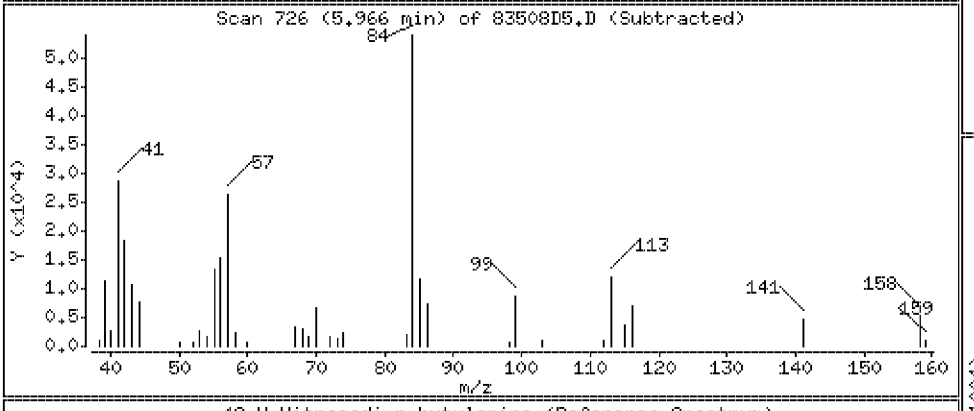
Column phase: HPMS-5

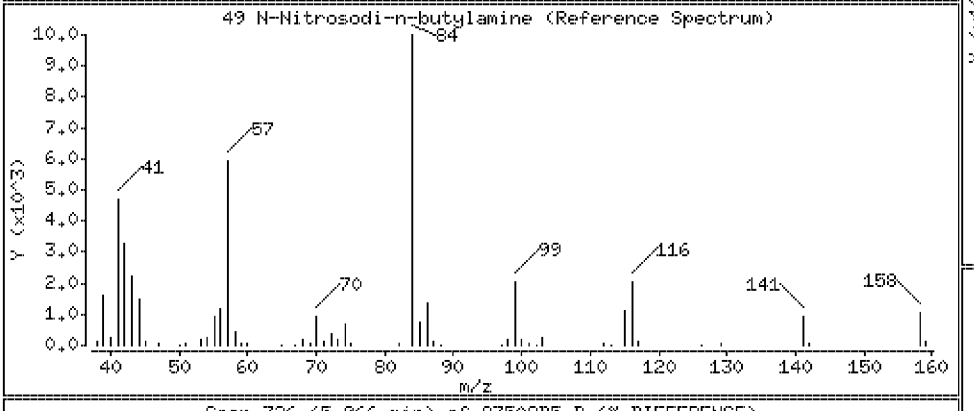
Column diameter: 0.25

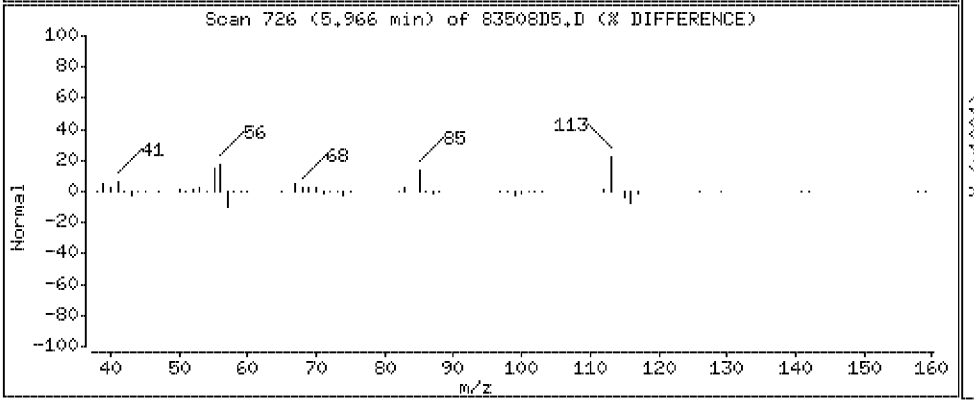
49 N-Nitrosodi-n-butylamine

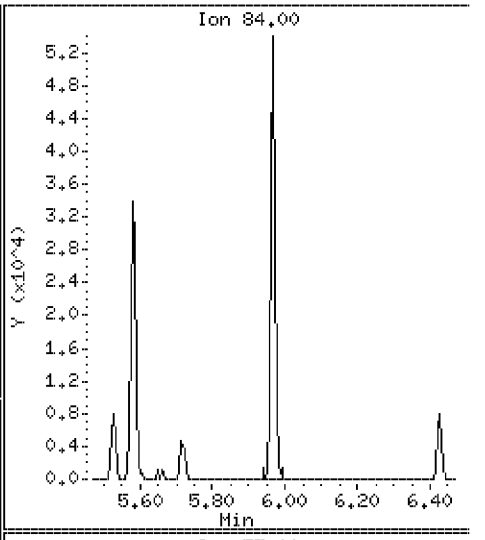
Concentration: 1810 ug/kg

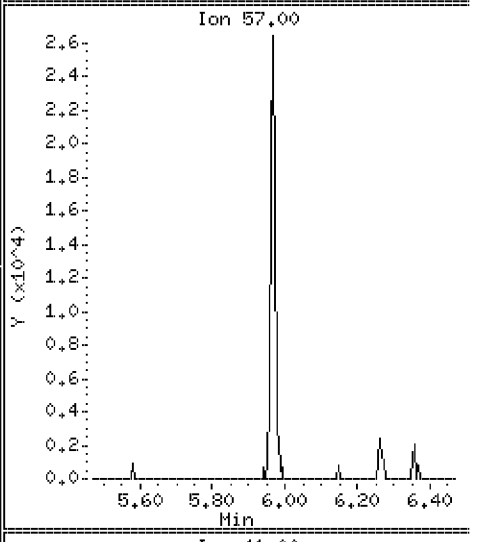


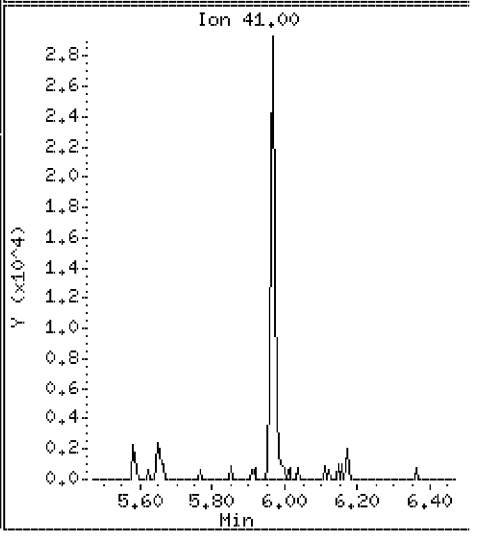












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

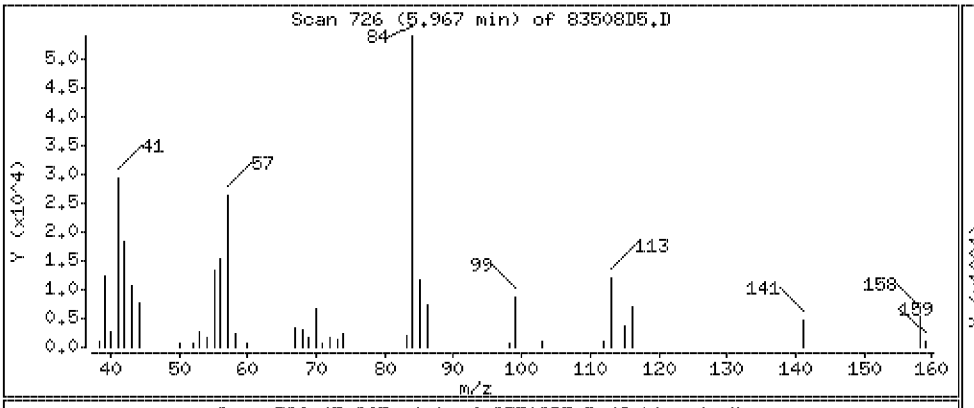
Operator: PEL

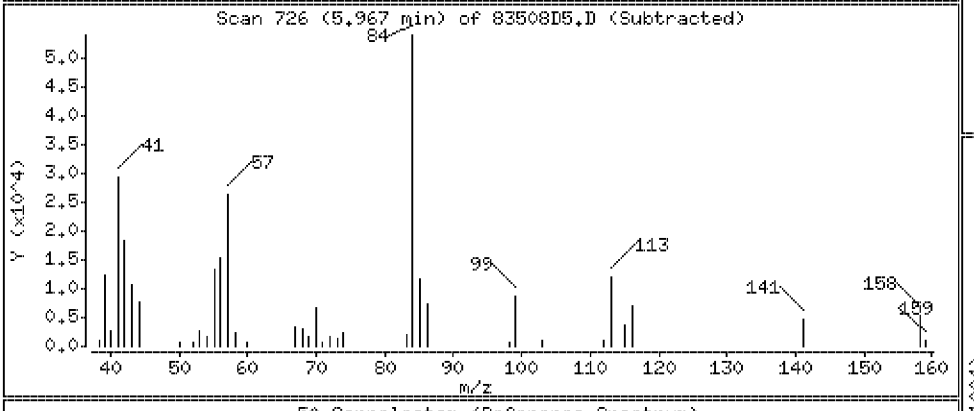
Column phase: HPMS-5

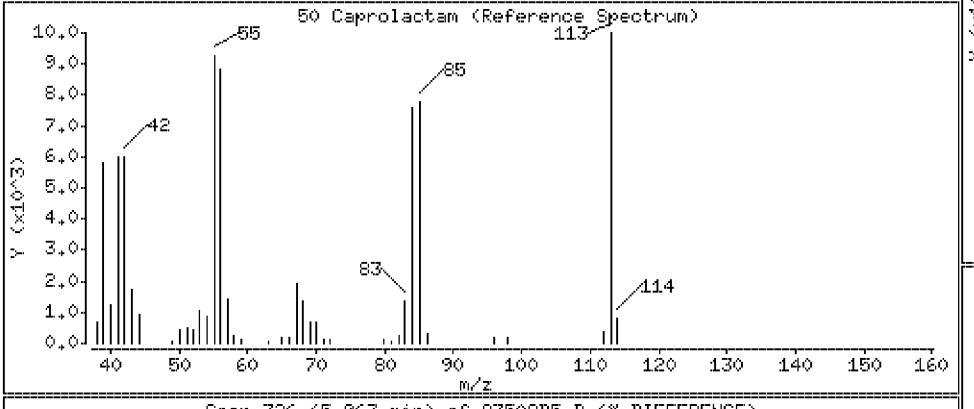
Column diameter: 0.25

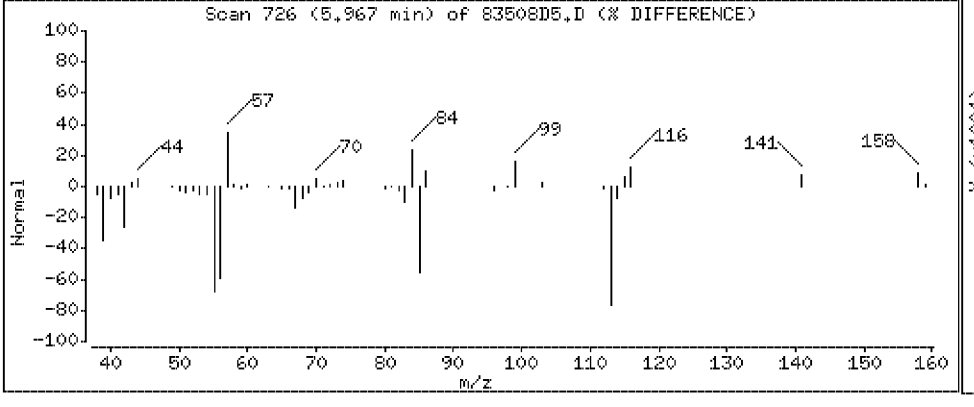
50 Caprolactam

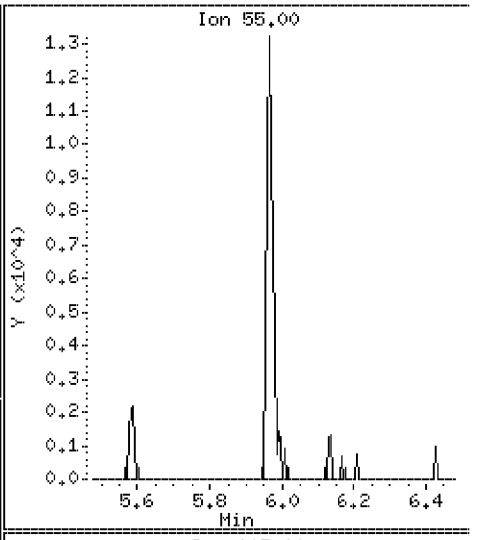
Concentration: 2470 ug/kg

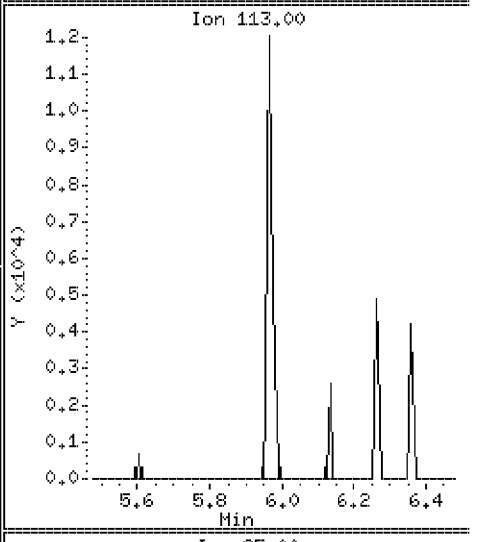


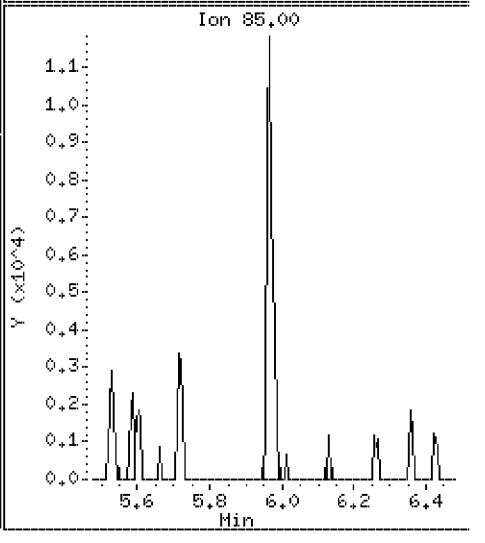












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

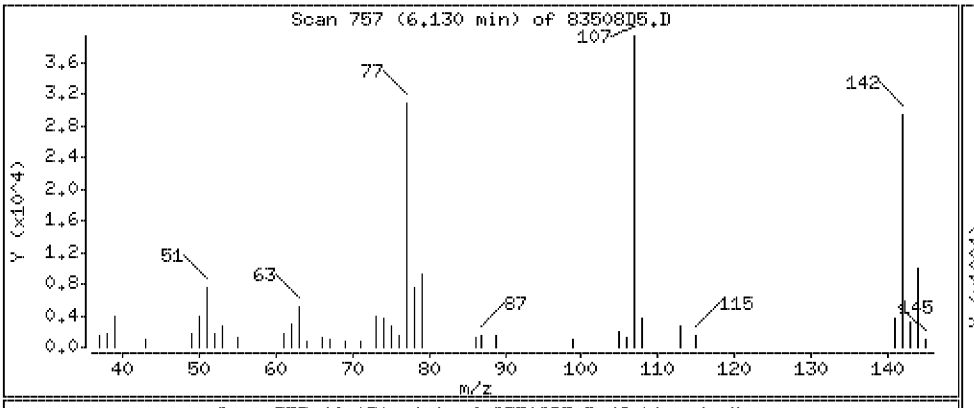
Operator: PEL

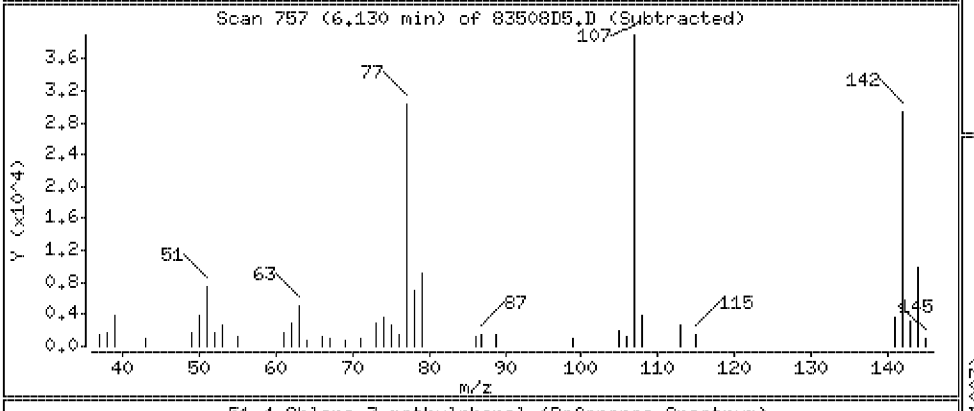
Column phase: HPMS-5

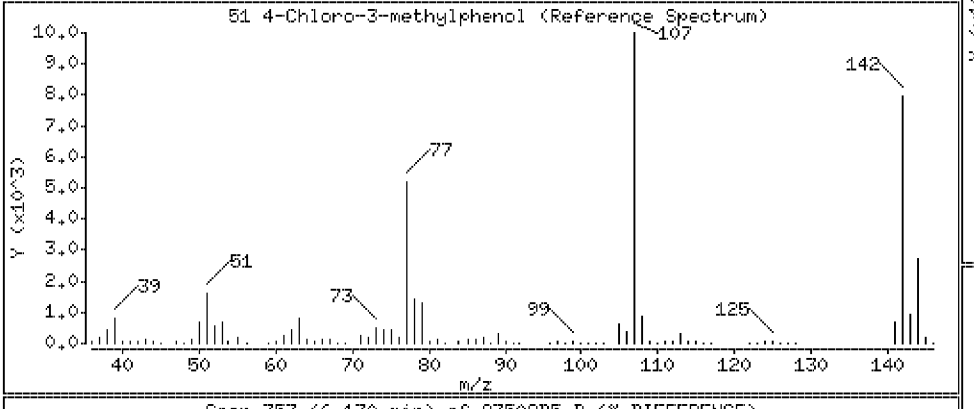
Column diameter: 0.25

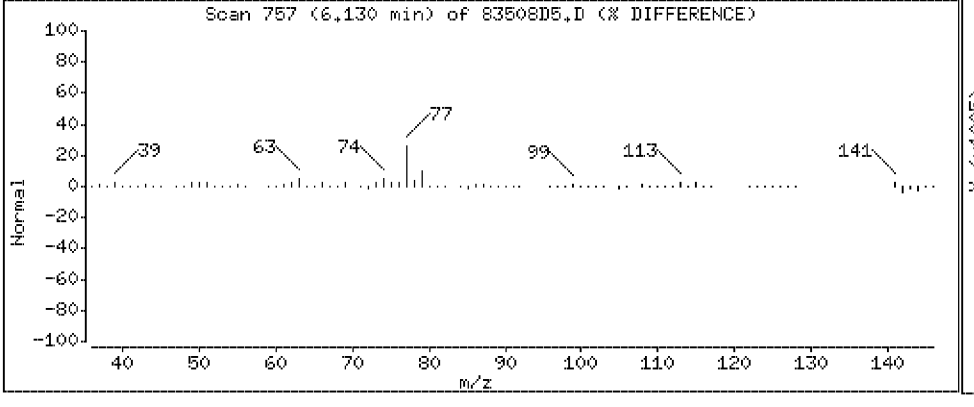
51 4-Chloro-3-methylphenol

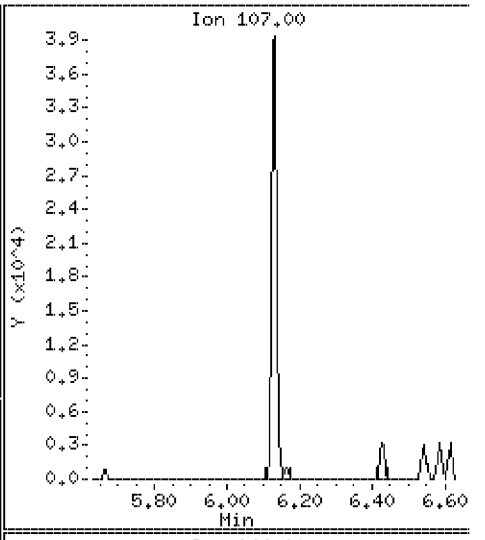
Concentration: 1430 ug/kg

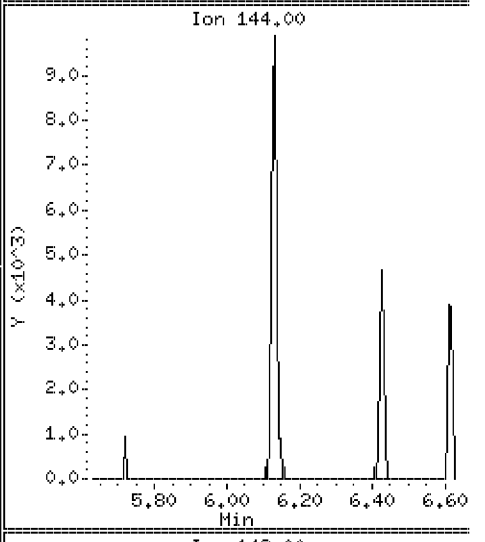


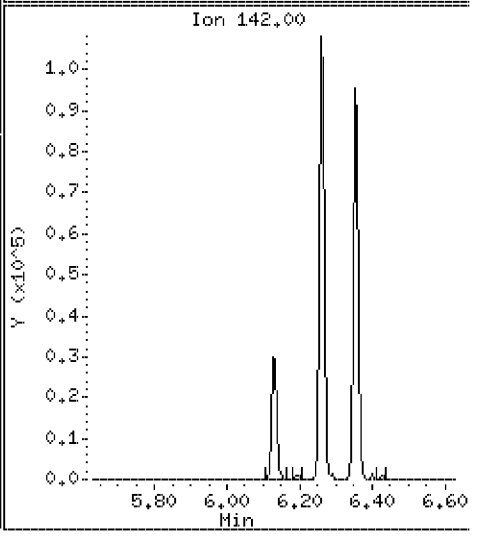












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

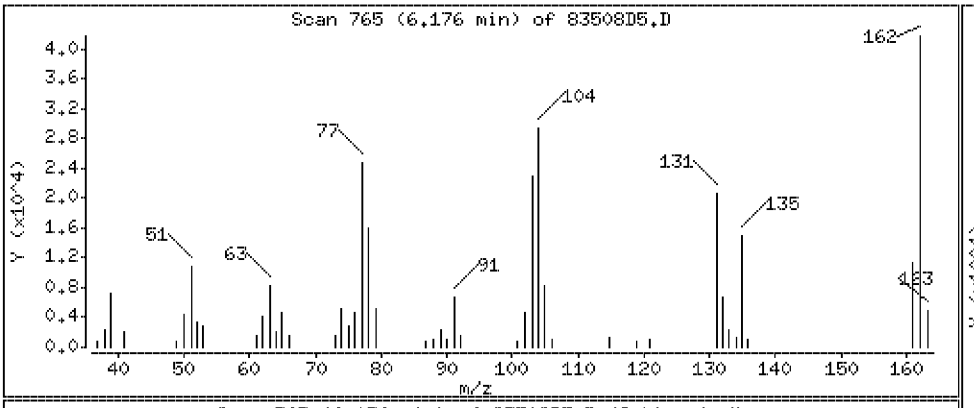
Operator: PEL

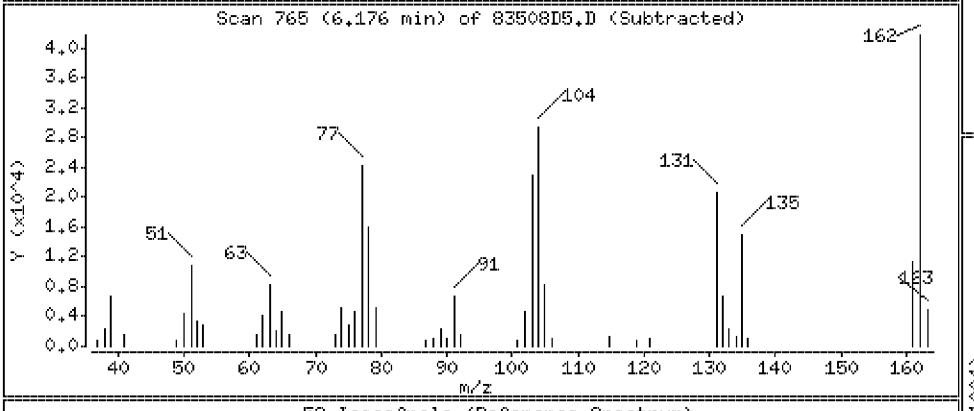
Column phase: HPMS-5

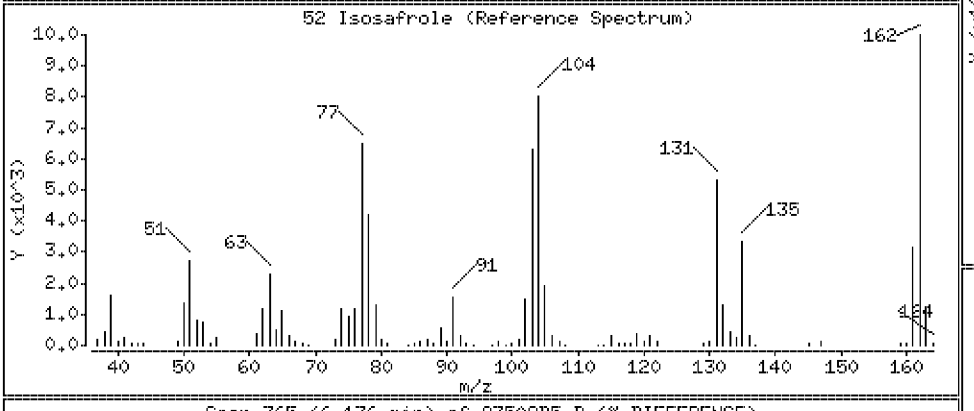
Column diameter: 0.25

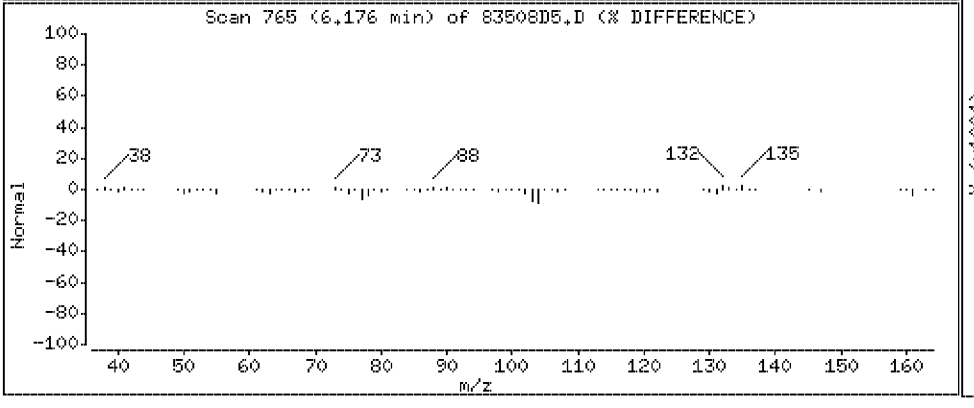
52 Isosafrole

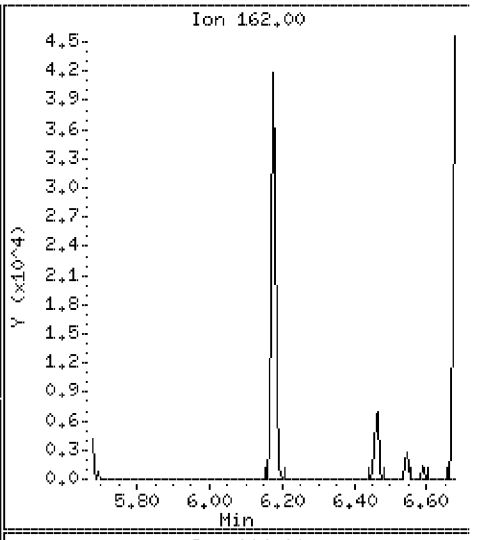
Concentration: 1410 ug/kg

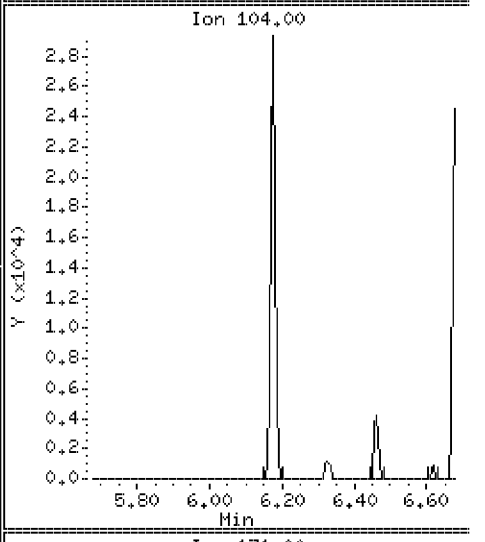


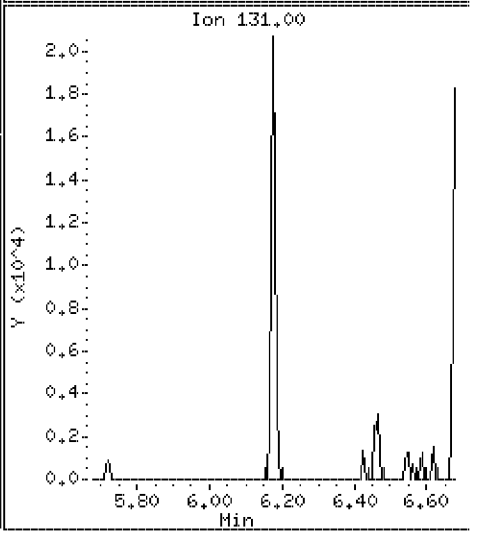












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

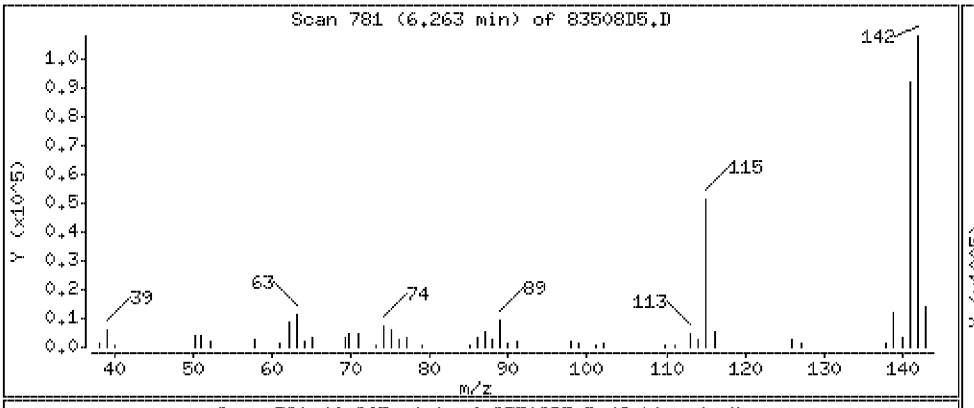
Operator: PEL

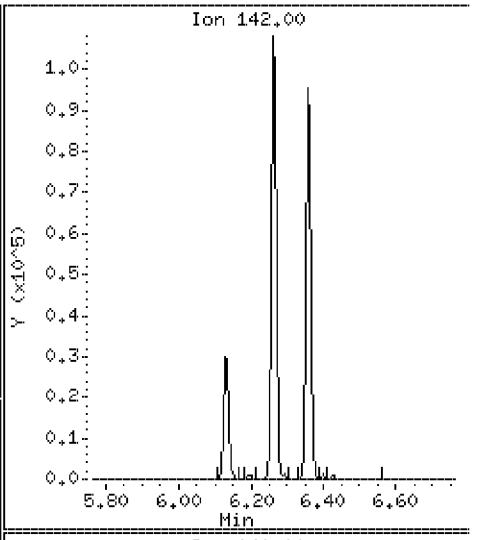
Column phase: HPMS-5

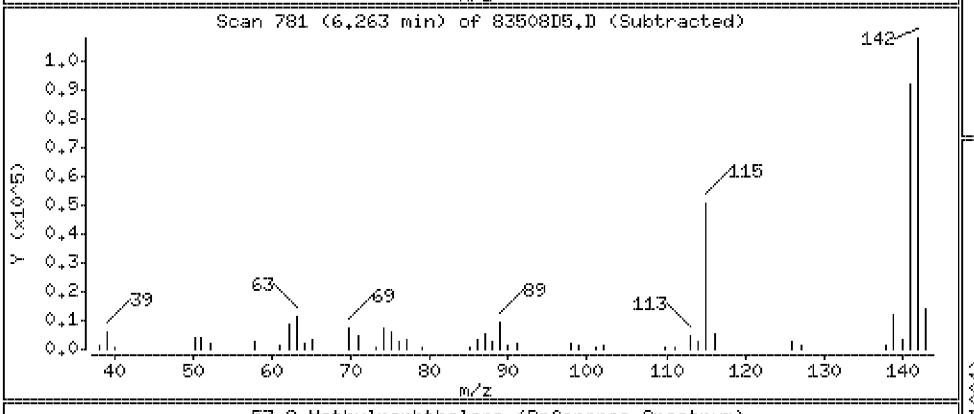
Column diameter: 0.25

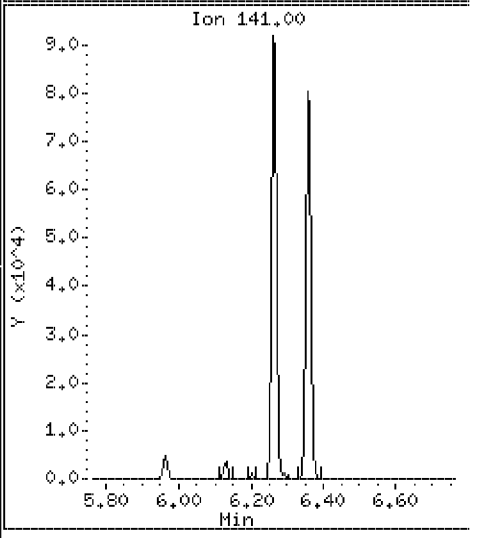
53 2-Methylnaphthalene

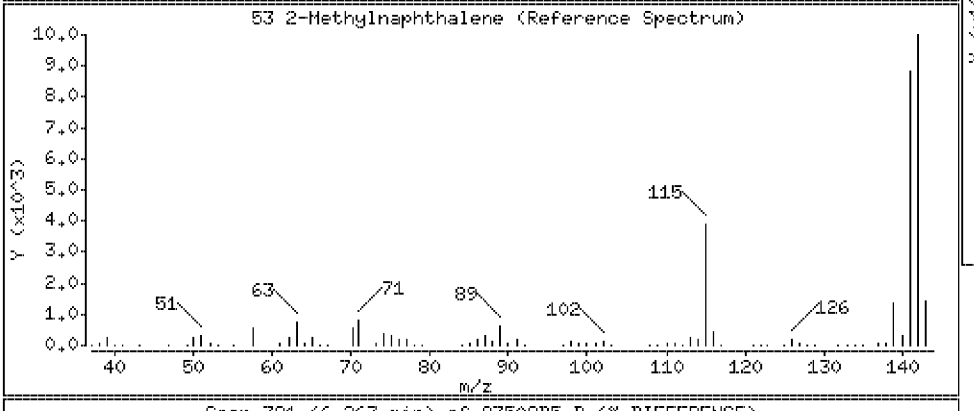
Concentration: 1770 ug/kg

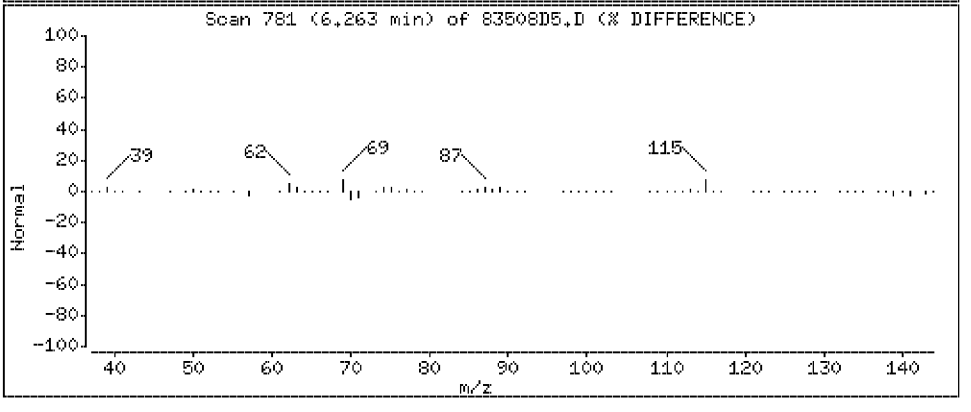












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

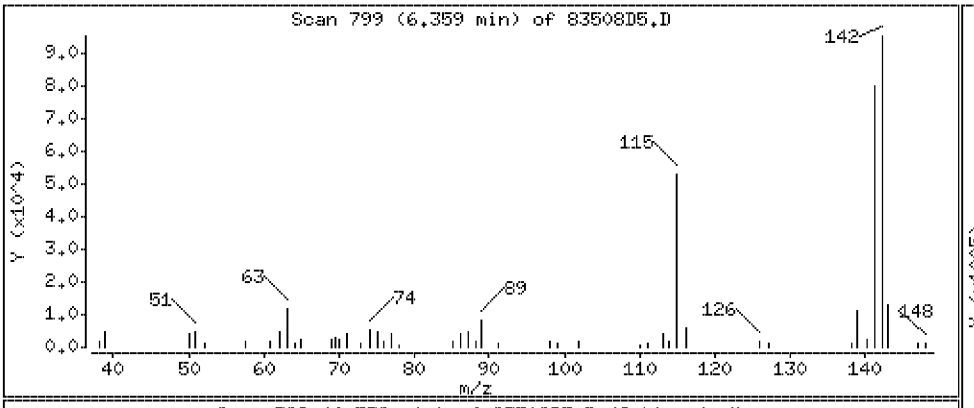
Operator: PEL

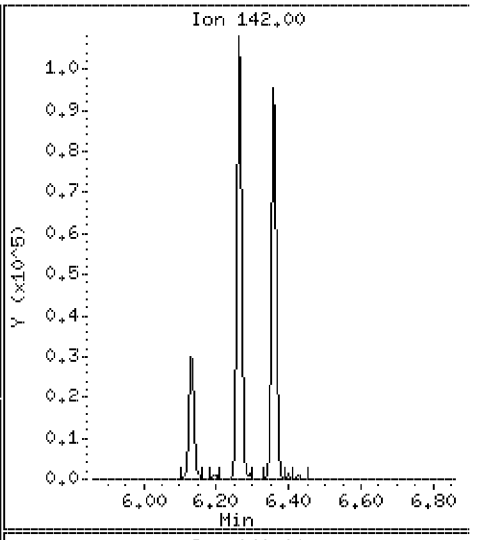
Column phase: HPMS-5

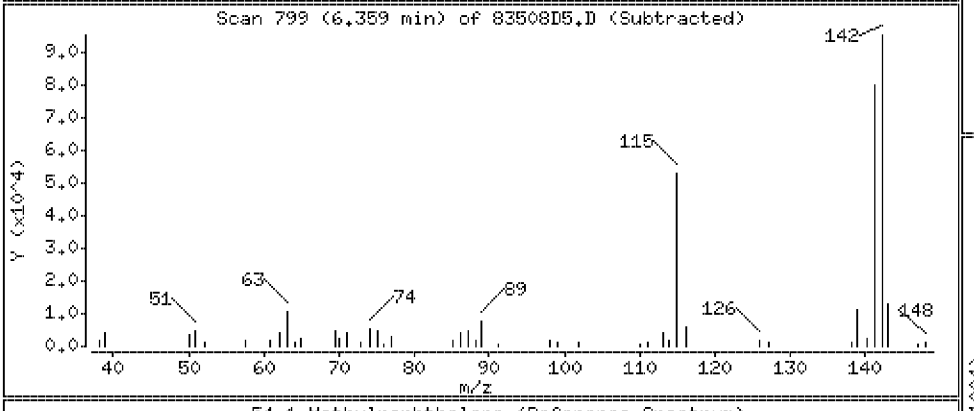
Column diameter: 0.25

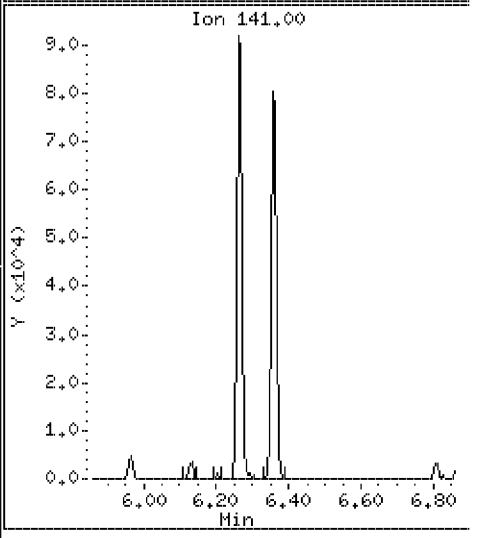
54 1-Methylnaphthalene

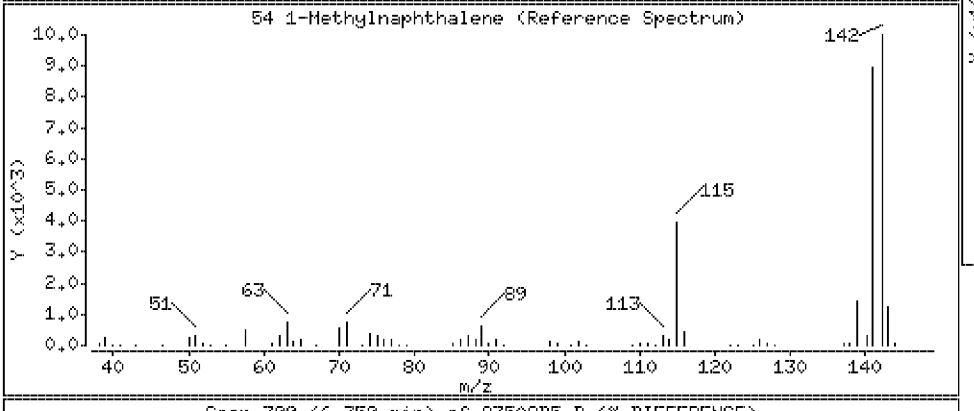
Concentration: 1700 ug/kg

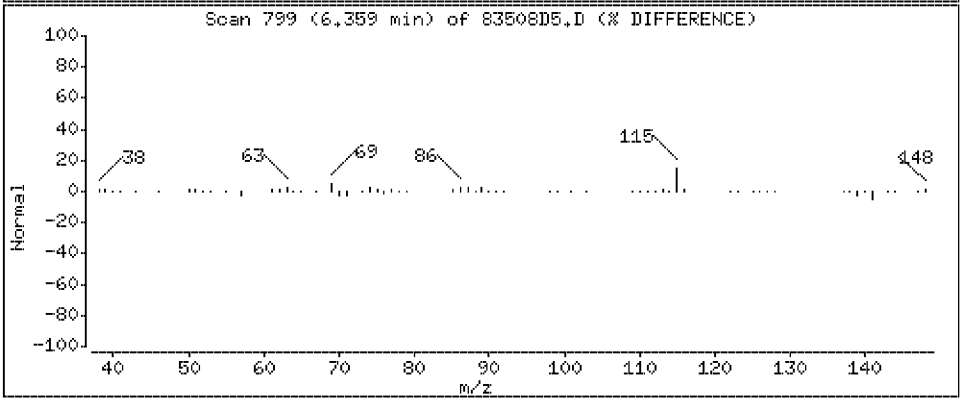












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

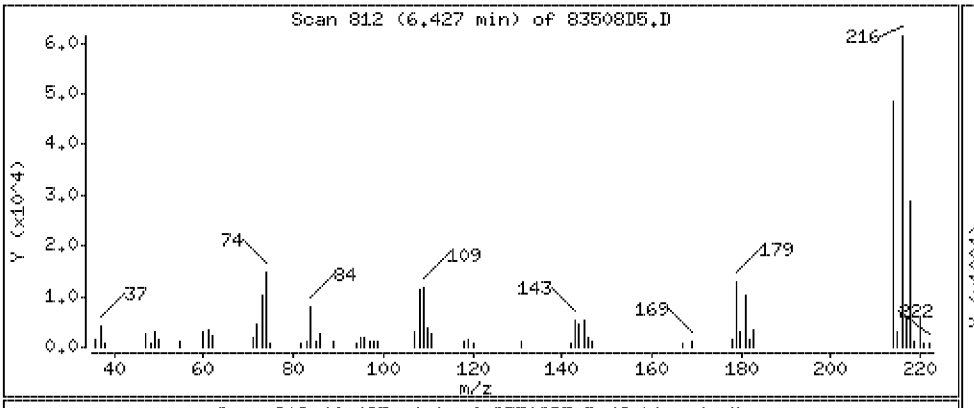
Operator: PEL

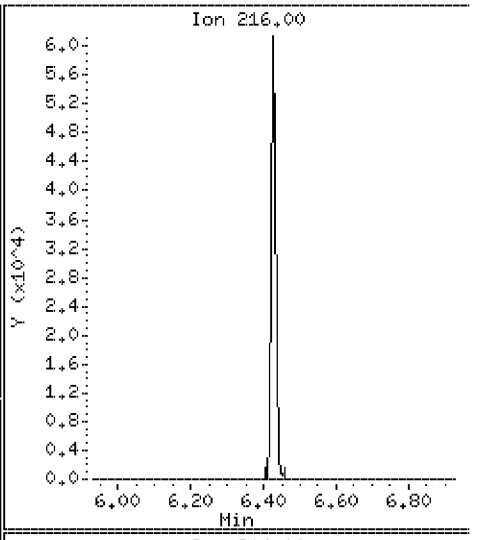
Column phase: HPMS-5

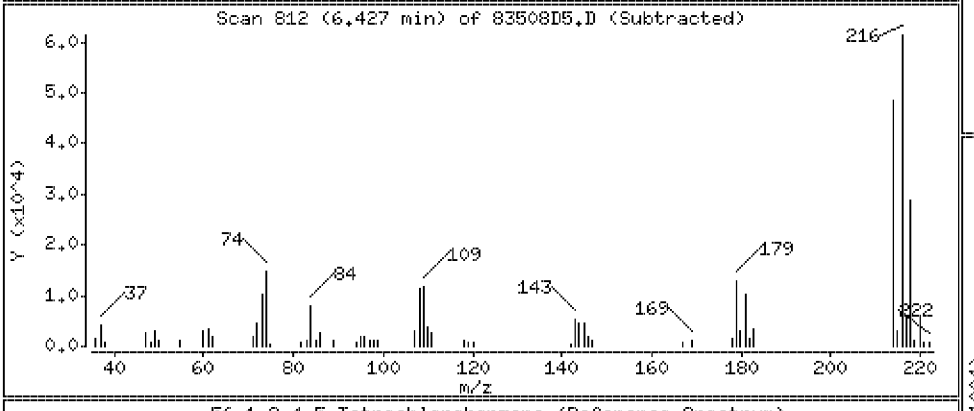
Column diameter: 0.25

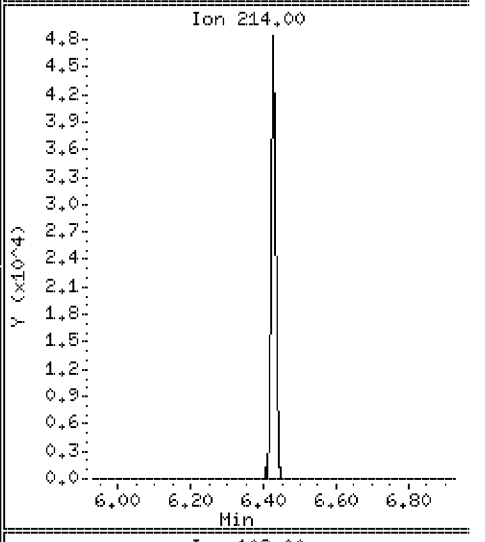
56 1,2,4,5-Tetrachlorobenzene

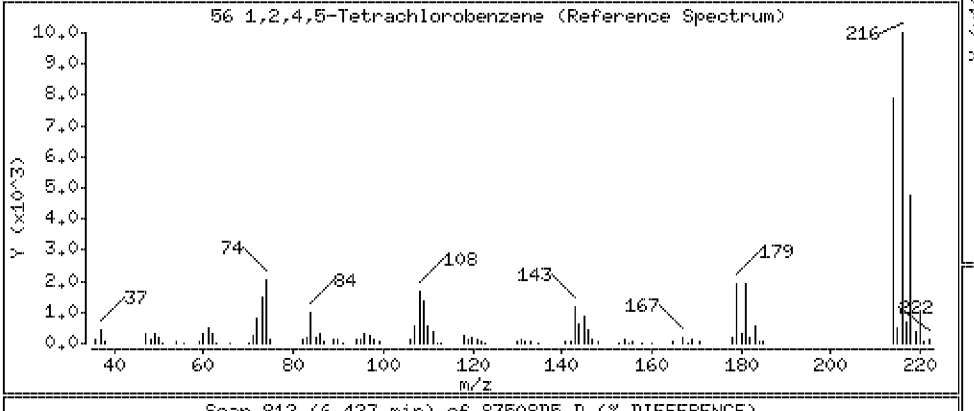
Concentration: 1300 ug/kg

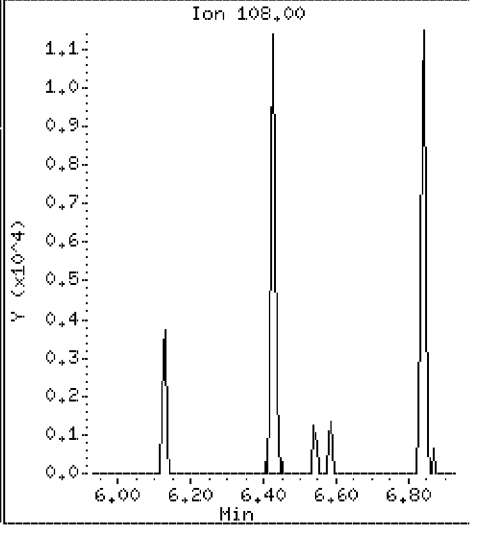


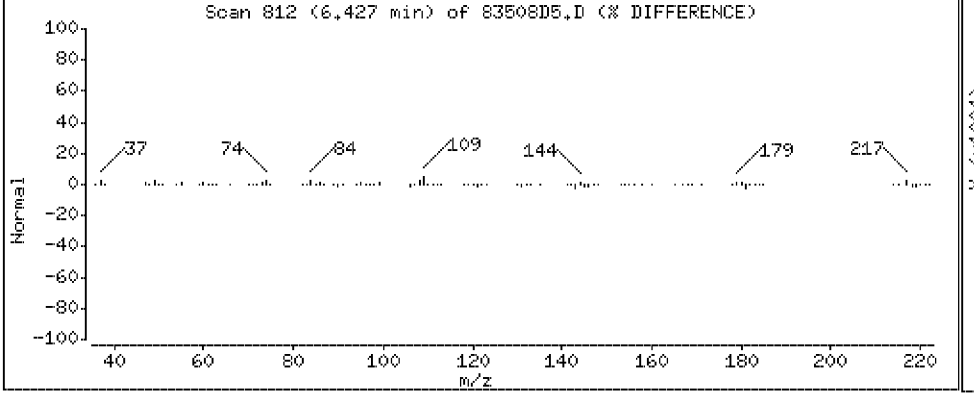












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

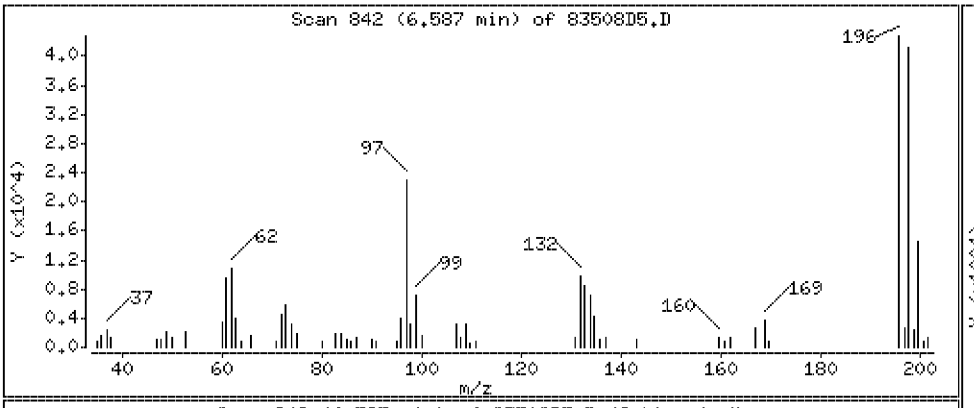
Operator: PEL

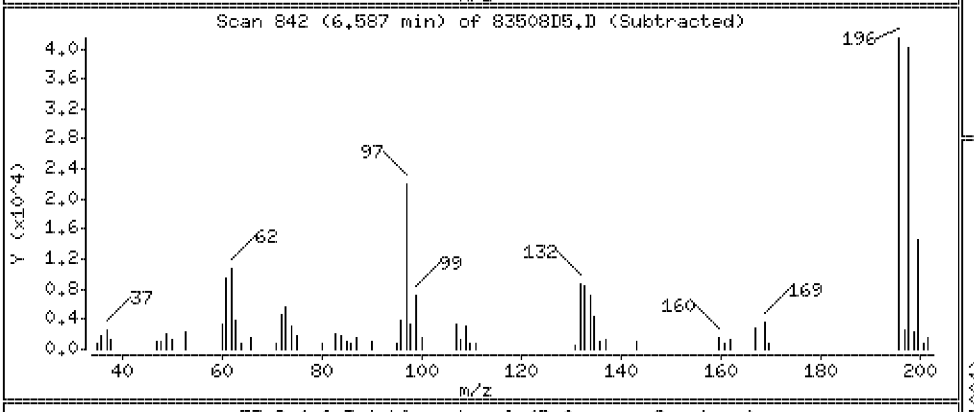
Column phase: HPMS-5

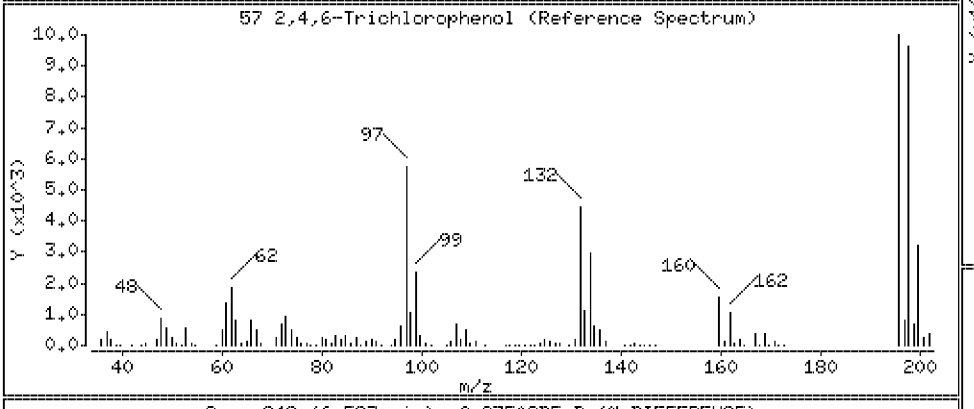
Column diameter: 0.25

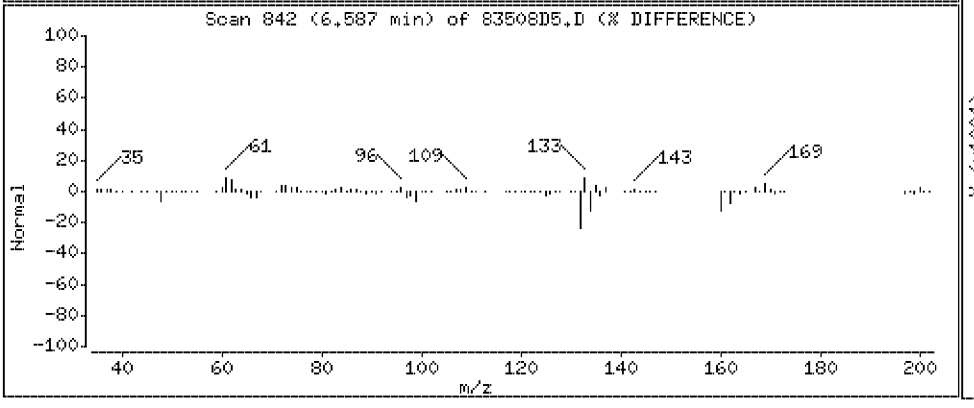
57 2,4,6-Trichlorophenol

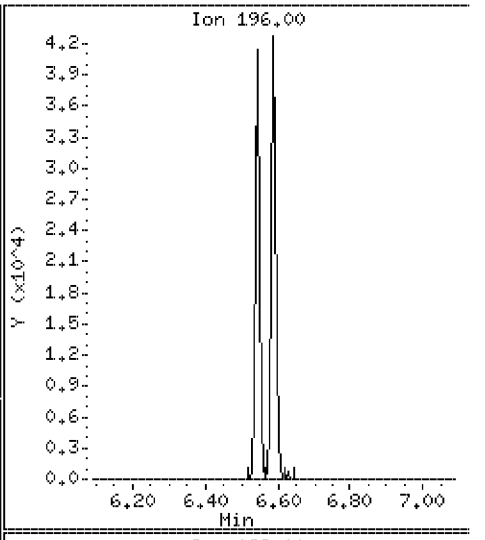
Concentration: 1420 ug/kg

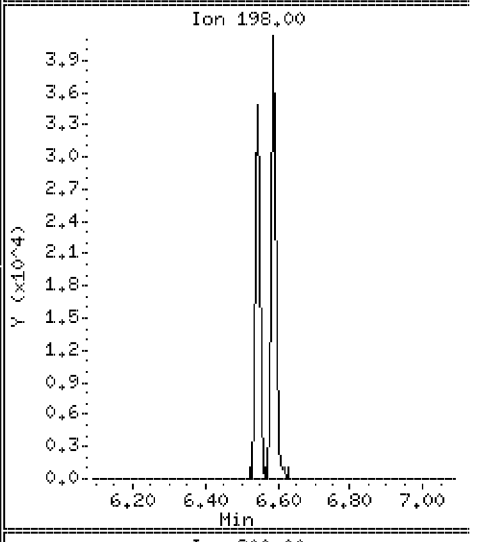


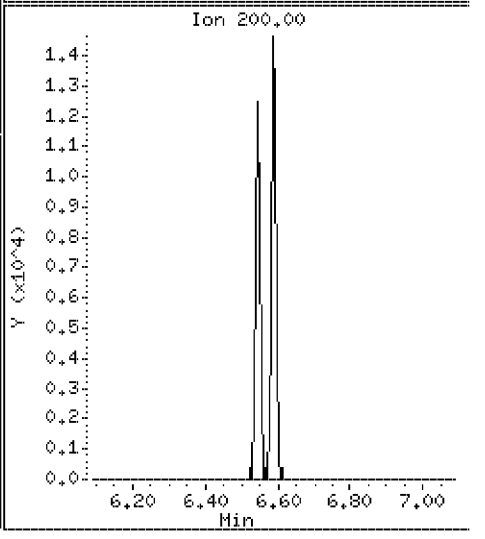












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

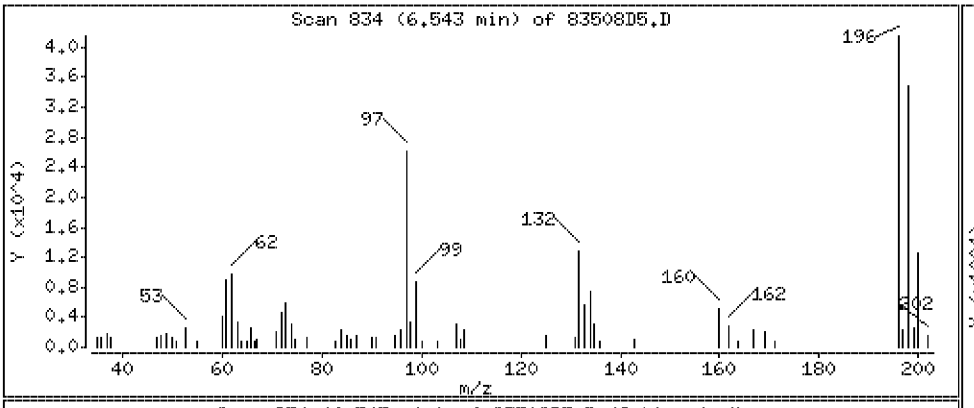
Operator: PEL

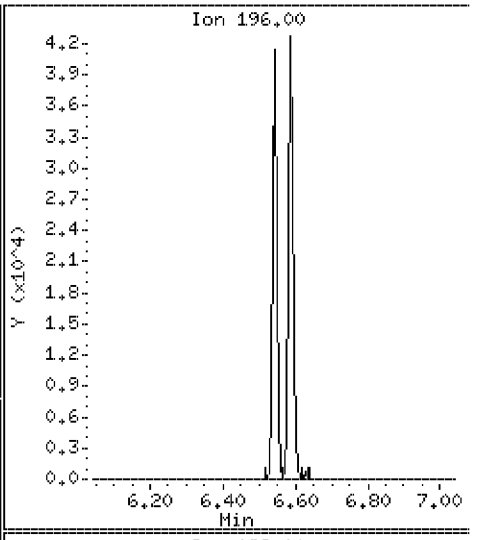
Column phase: HPMS-5

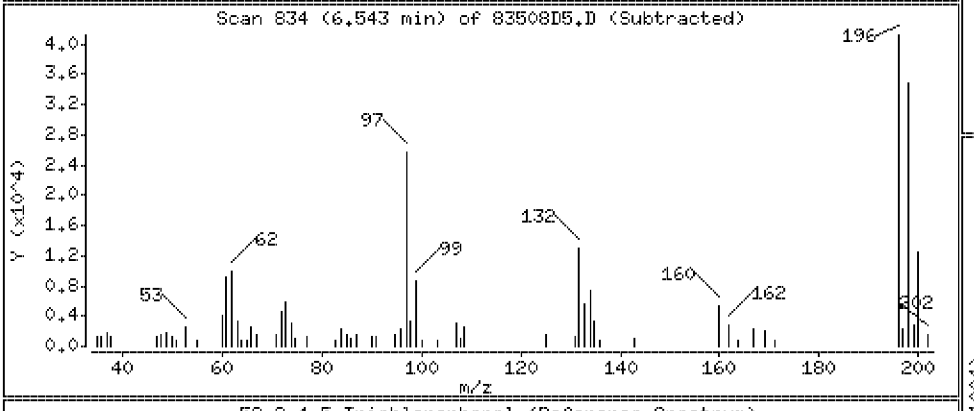
Column diameter: 0.25

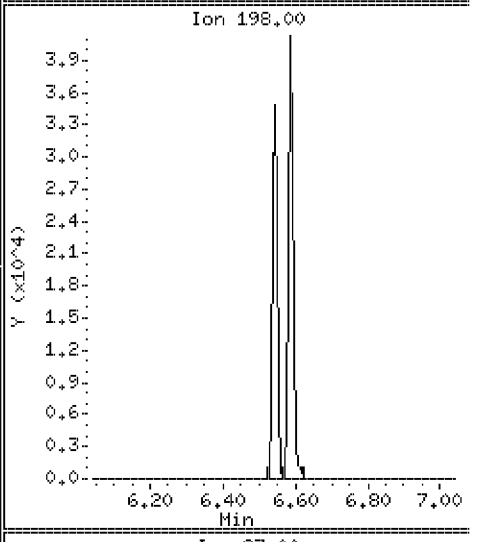
58 2,4,5-Trichlorophenol

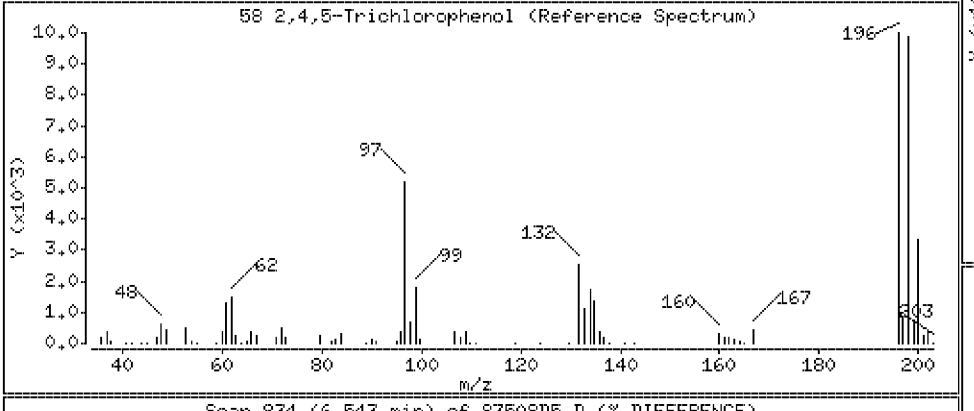
Concentration: 1340 ug/kg

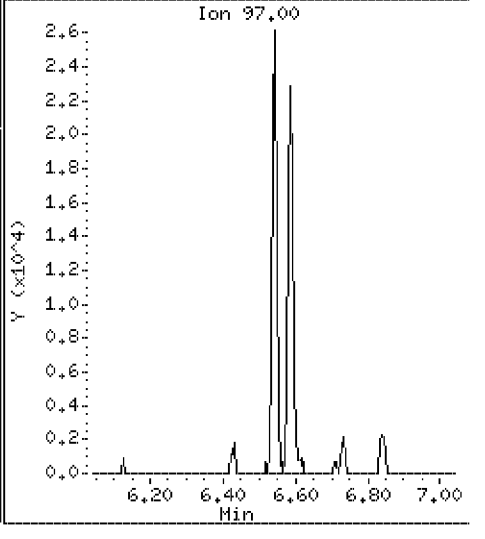


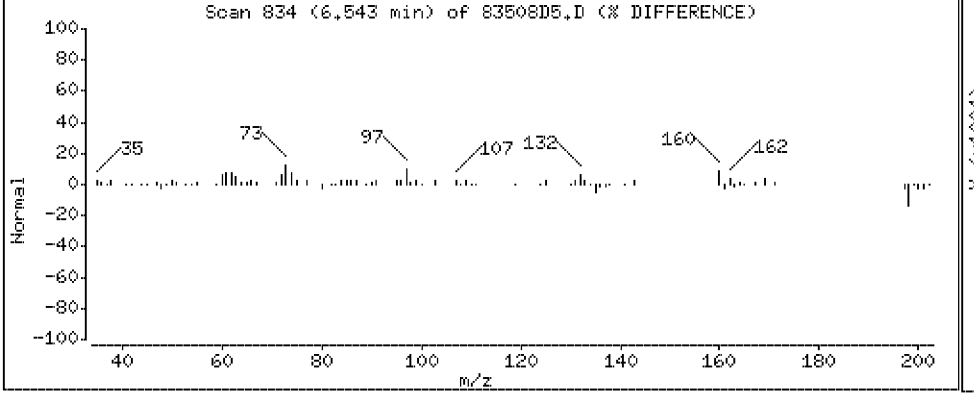












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

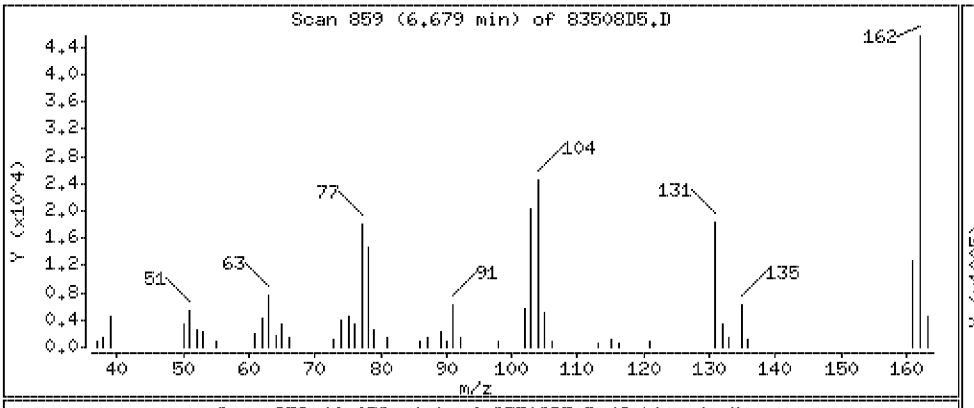
Operator: PEL

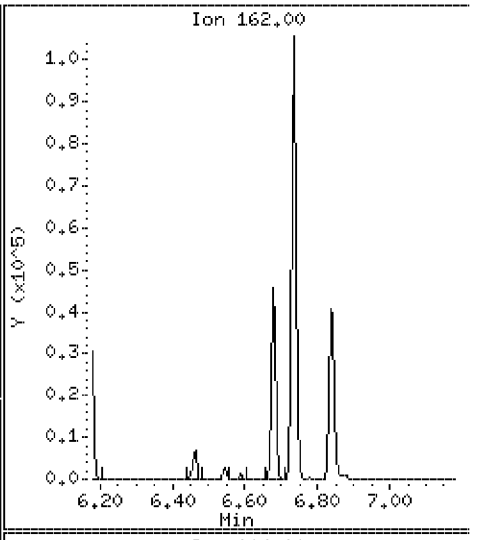
Column phase: HPMS-5

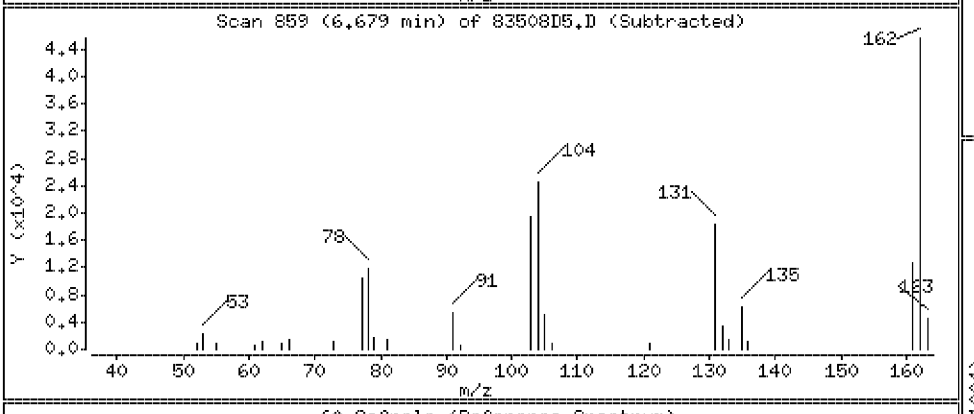
Column diameter: 0.25

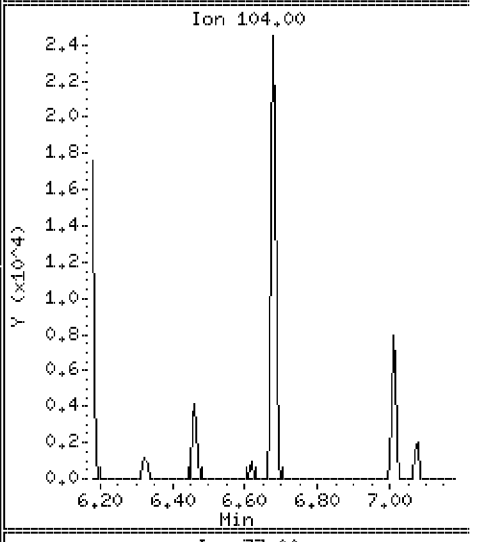
60 Safrole

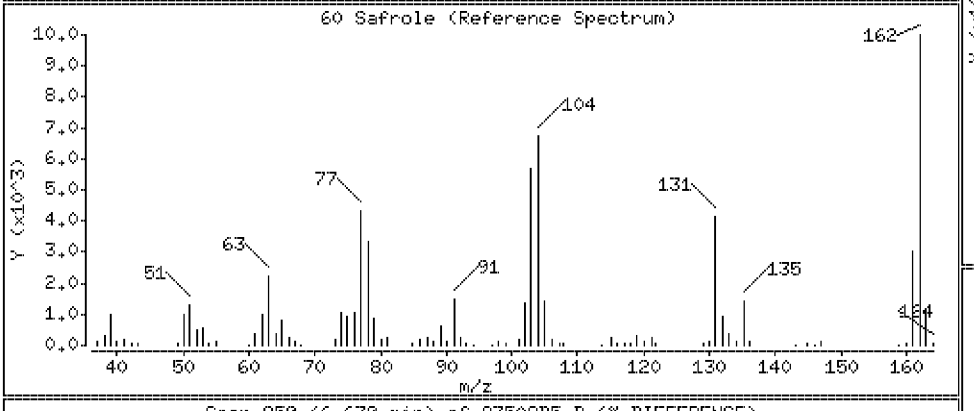
Concentration: 1620 ug/kg

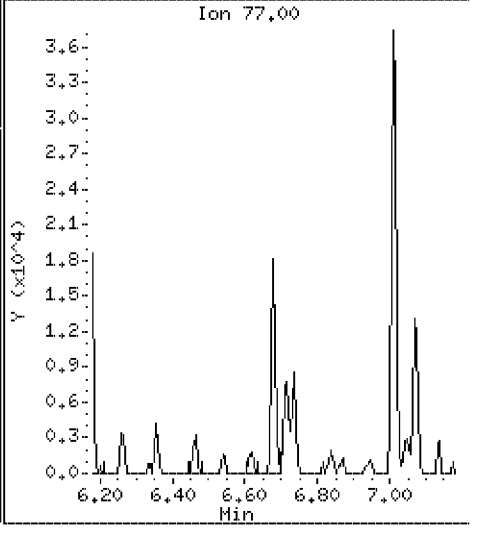


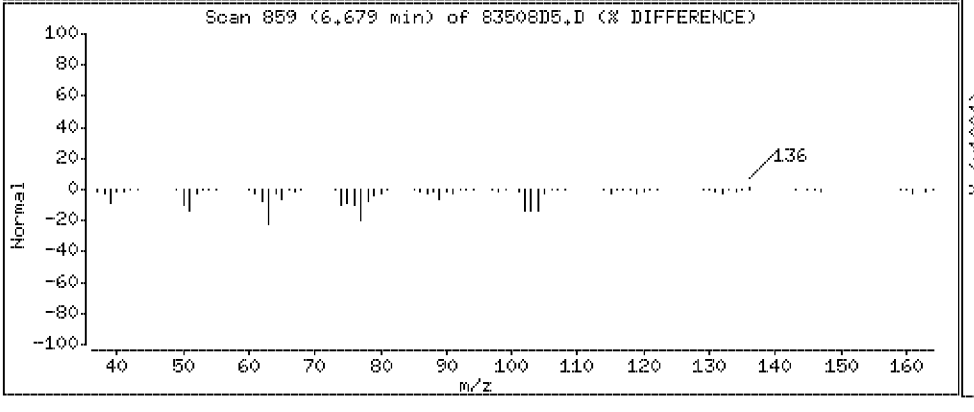












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

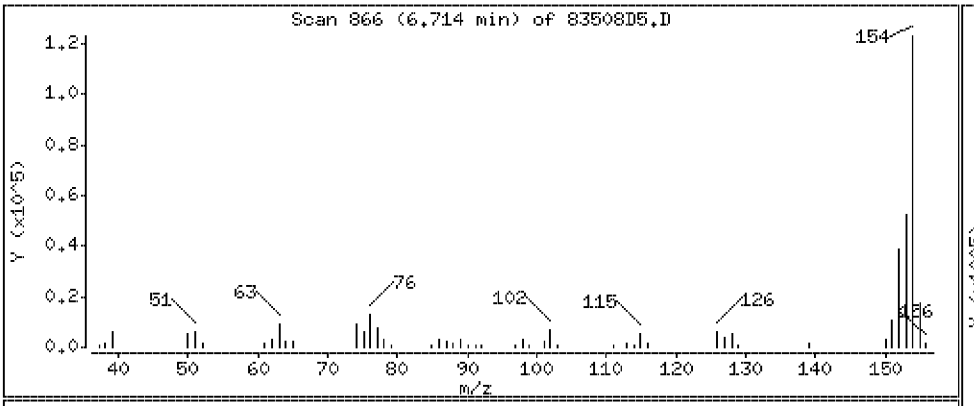
Operator: PEL

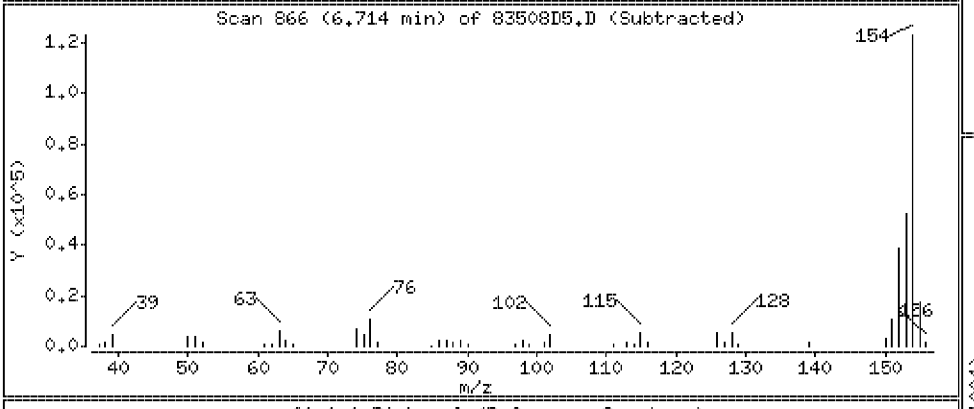
Column phase: HPMS-5

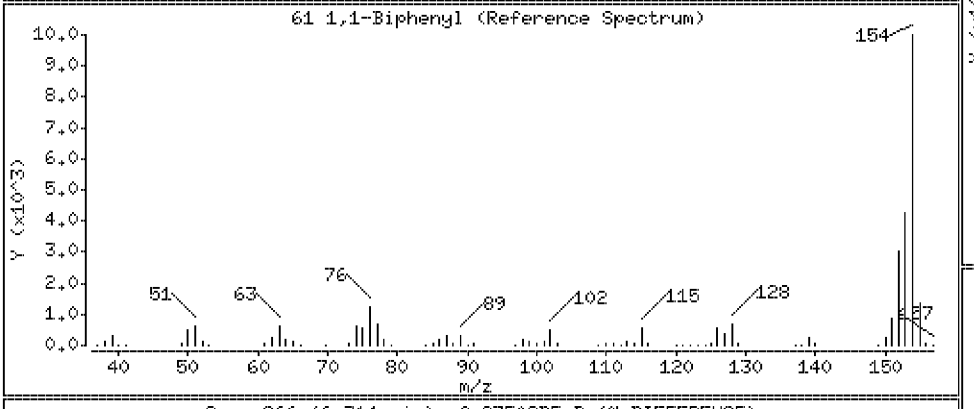
Column diameter: 0.25

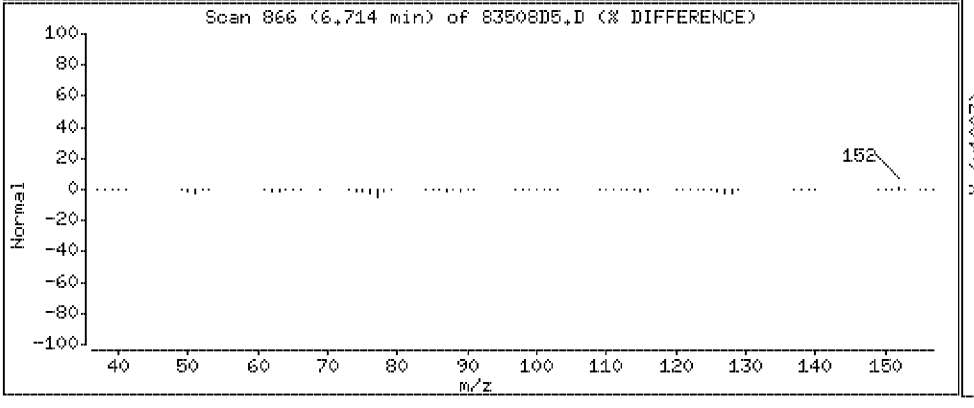
61 1,1-Biphenyl

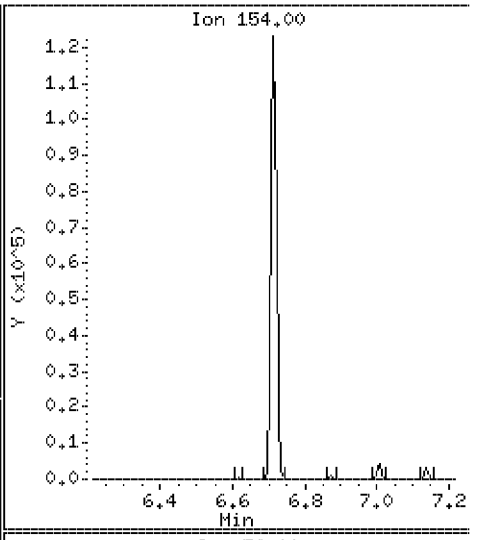
Concentration: 1240 ug/kg

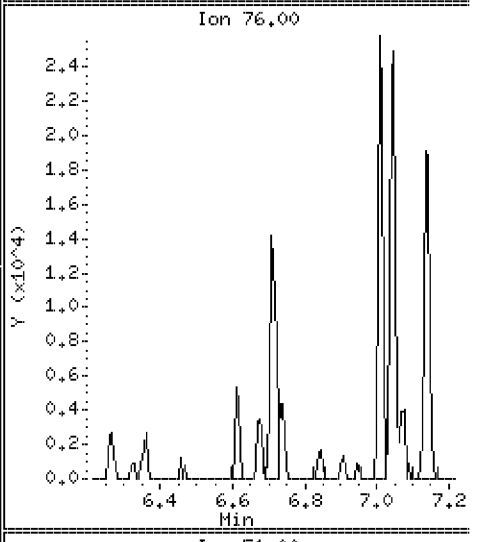


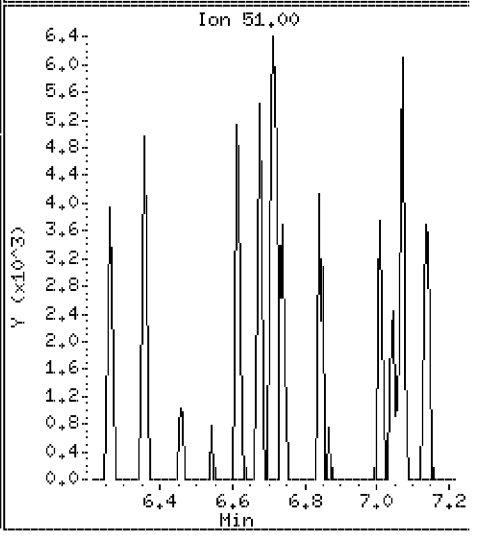












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

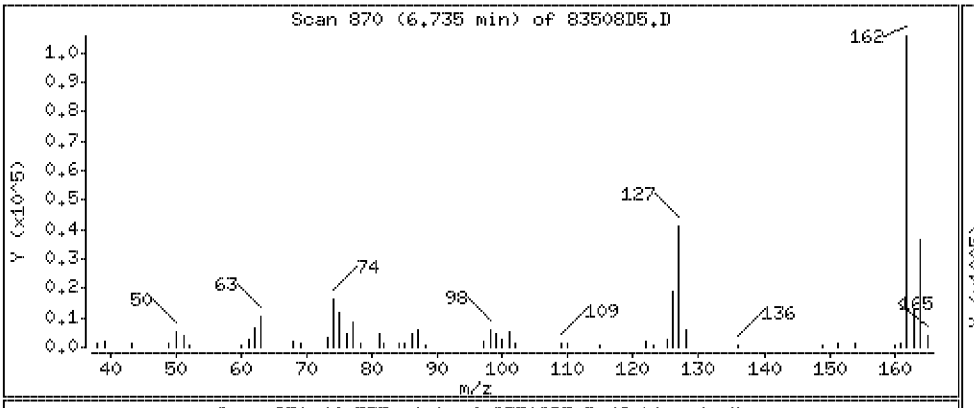
Operator: PEL

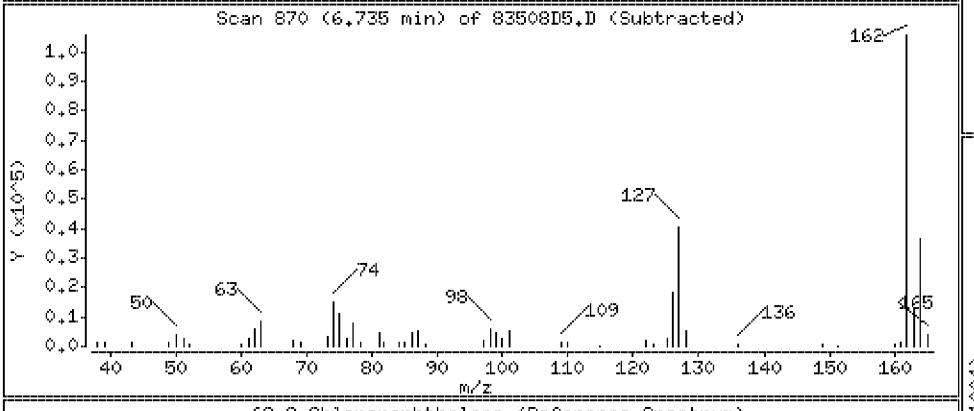
Column phase: HPMS-5

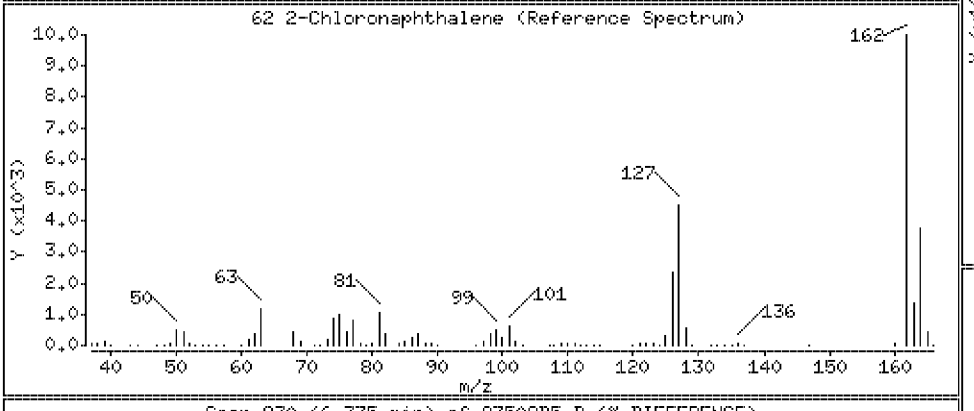
Column diameter: 0.25

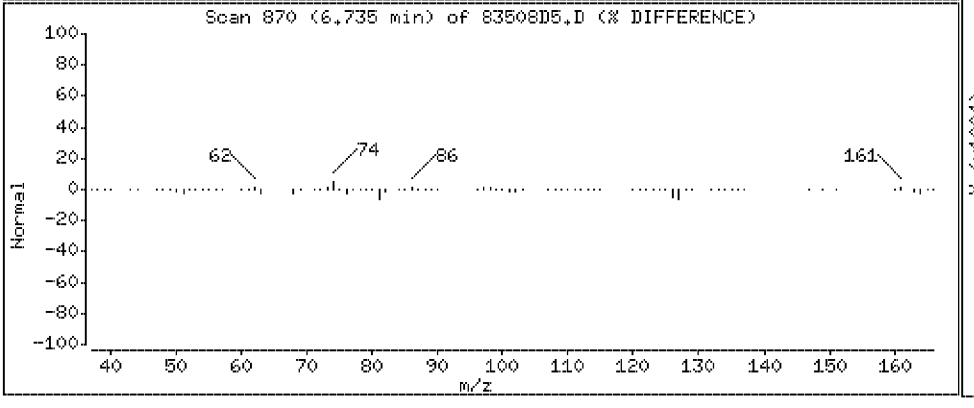
62 2-Chloronaphthalene

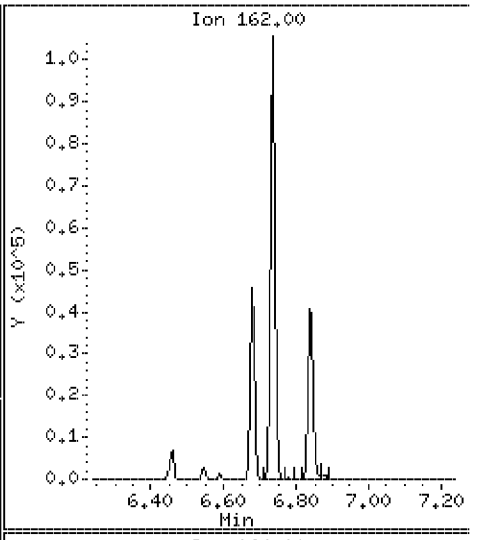
Concentration: 1430 ug/kg

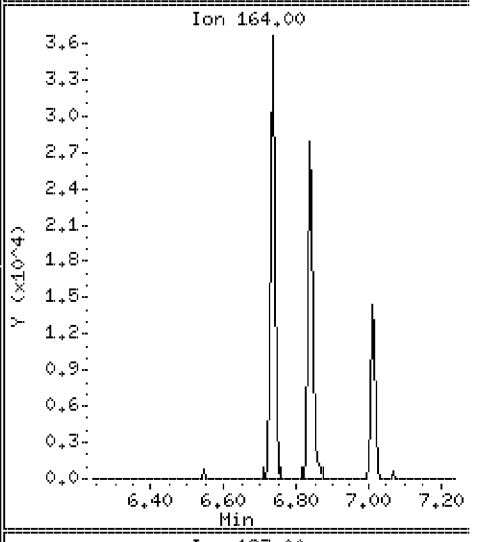


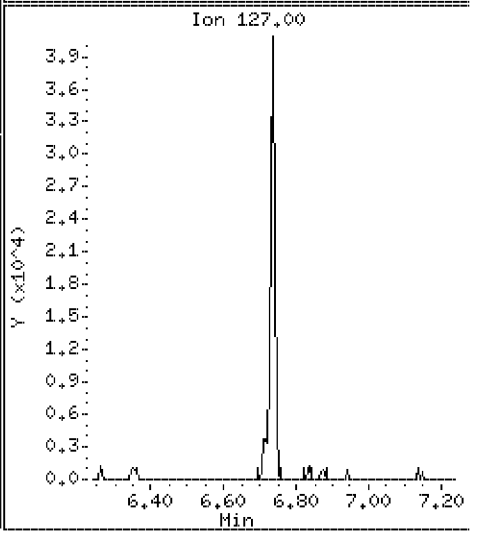












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

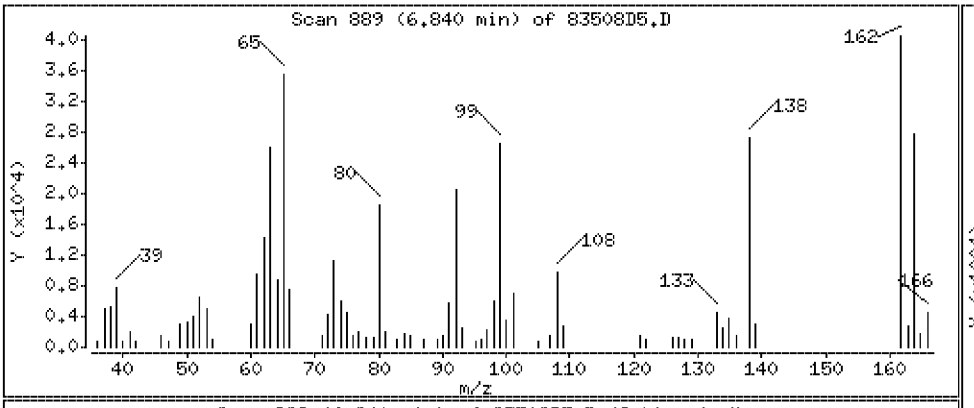
Operator: PEL

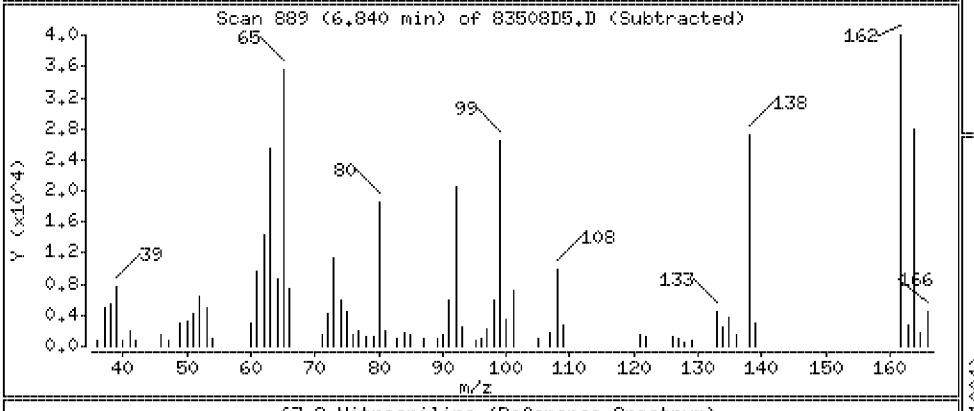
Column phase: HPMS-5

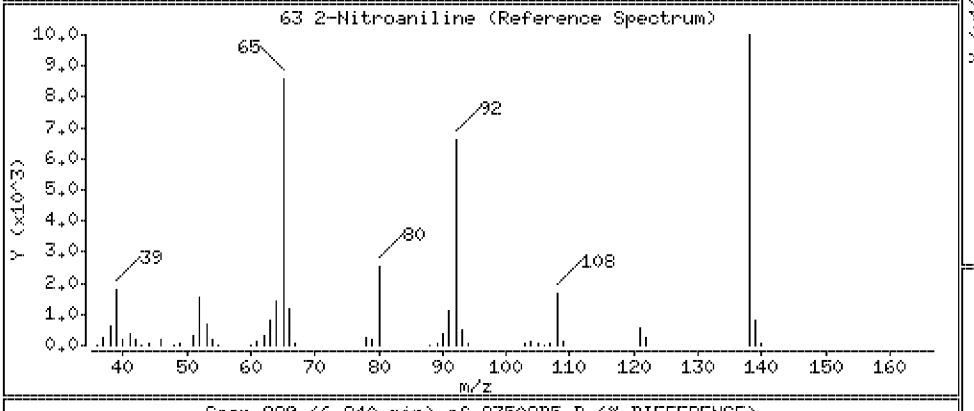
Column diameter: 0.25

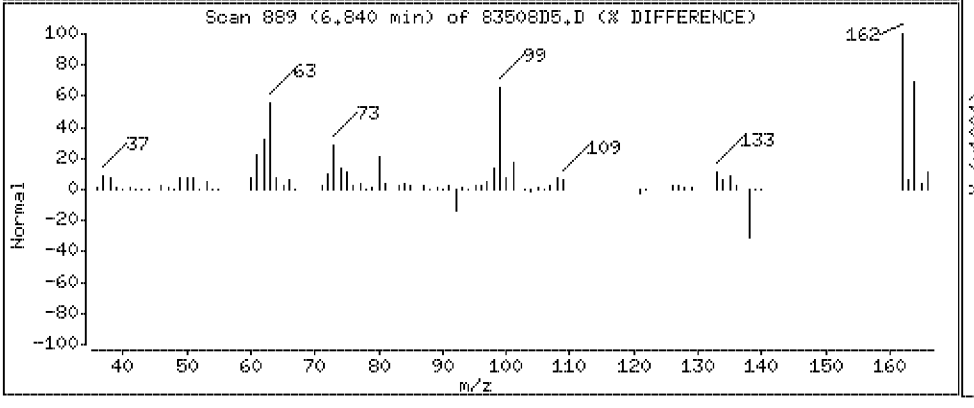
63 2-Nitroaniline

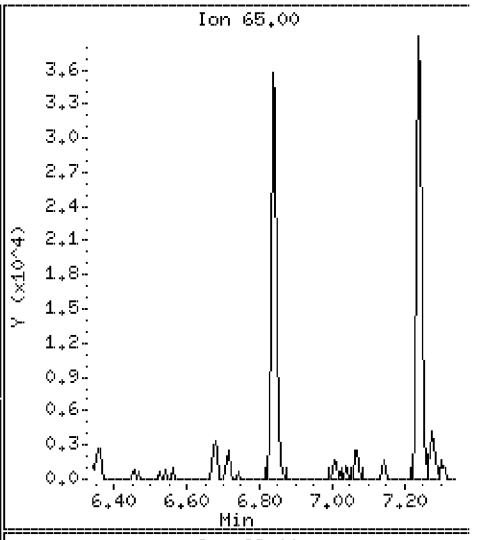
Concentration: 1580 ug/kg

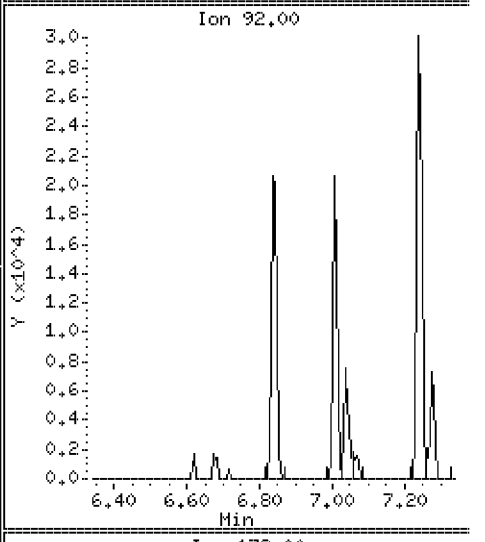


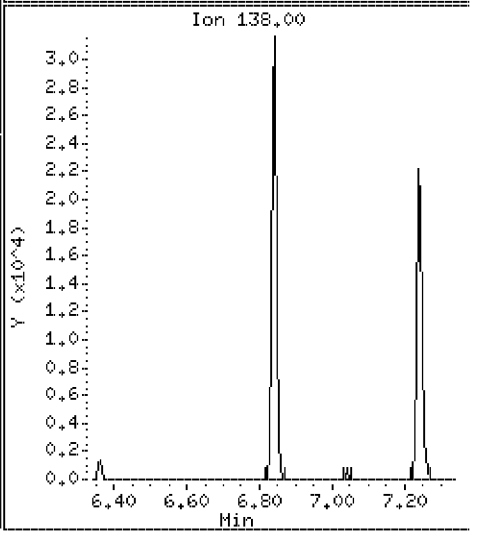












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

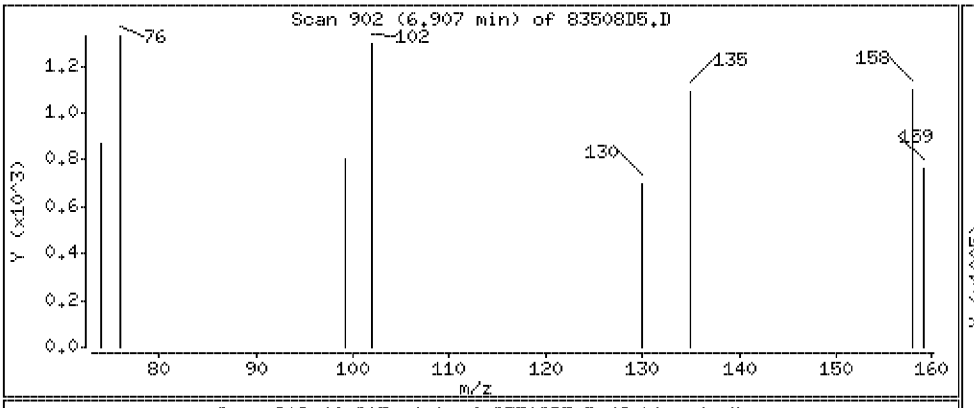
Operator: PEL

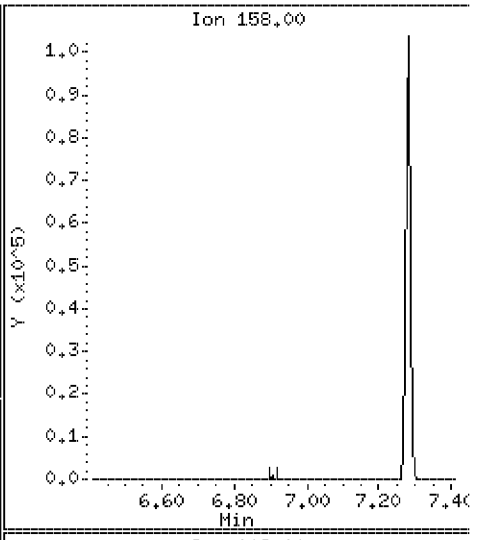
Column phase: HPMS-5

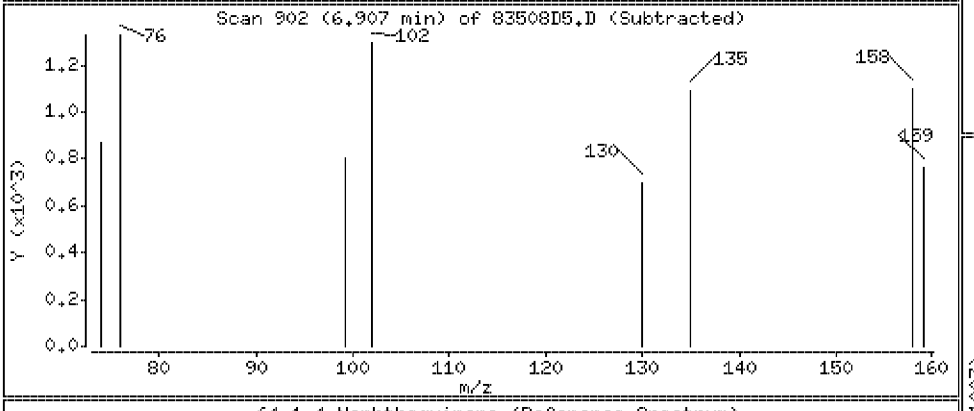
Column diameter: 0.25

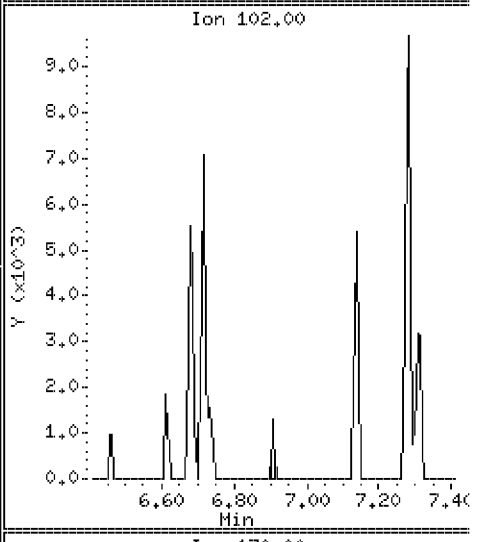
64 1,4-Naphthoquinone

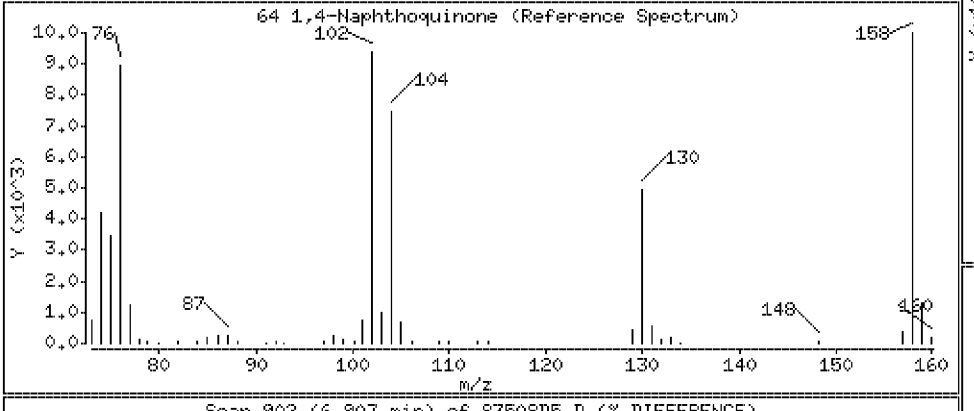
Concentration: 15.1 ug/kg

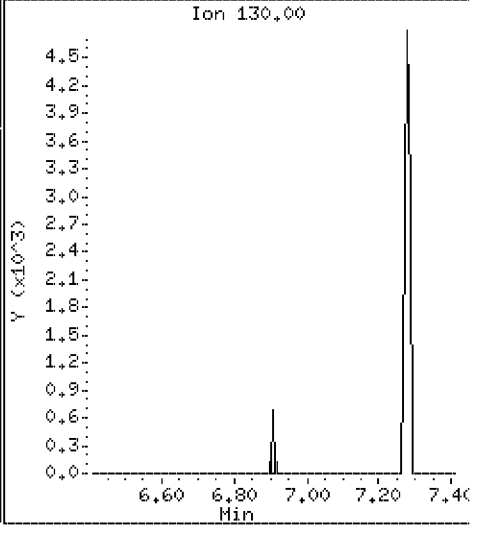


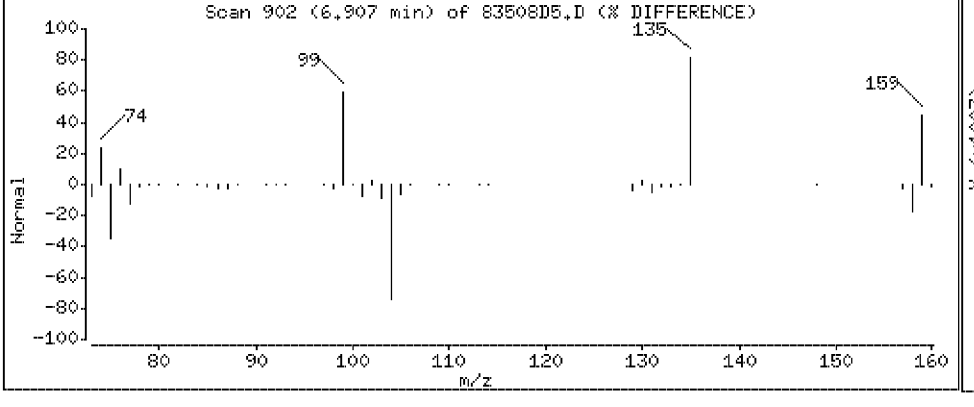












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

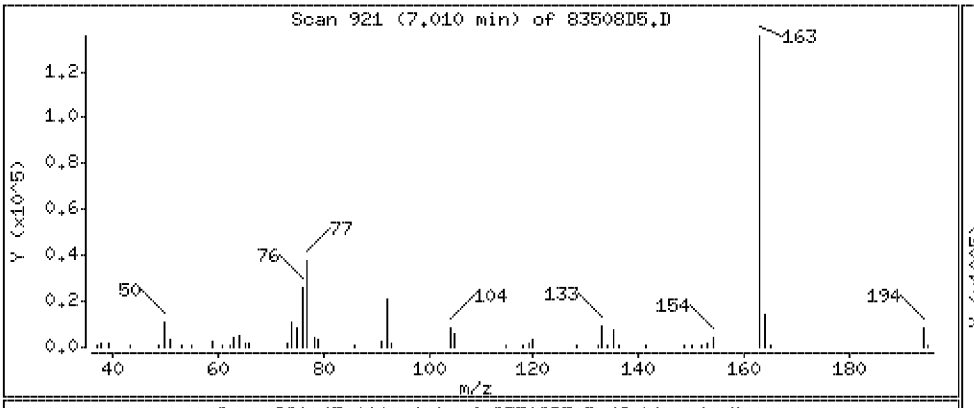
Operator: PEL

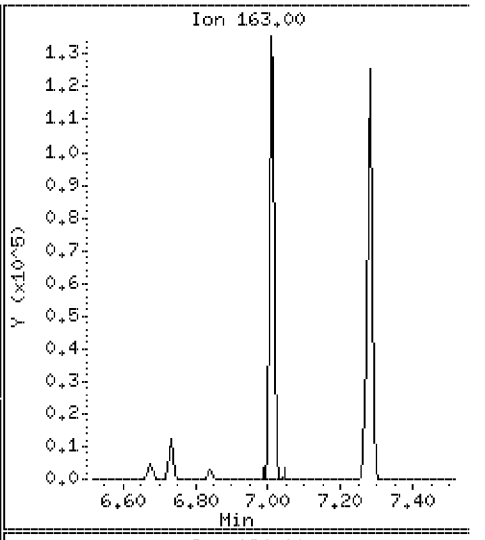
Column phase: HPMS-5

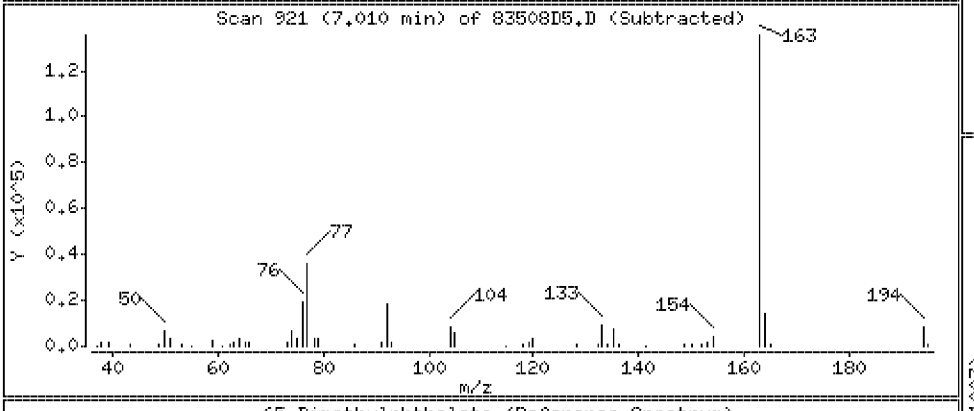
Column diameter: 0.25

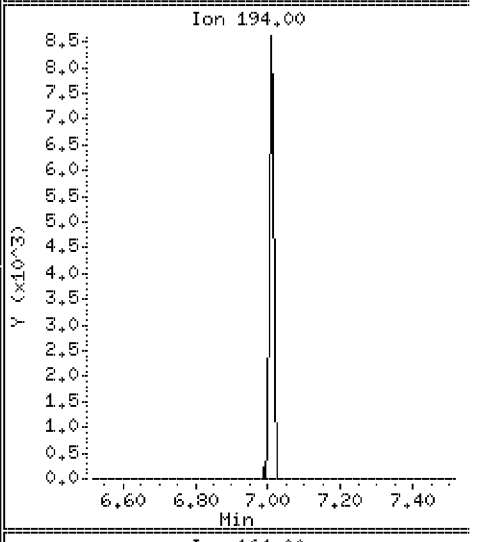
65 Dimethylphthalate

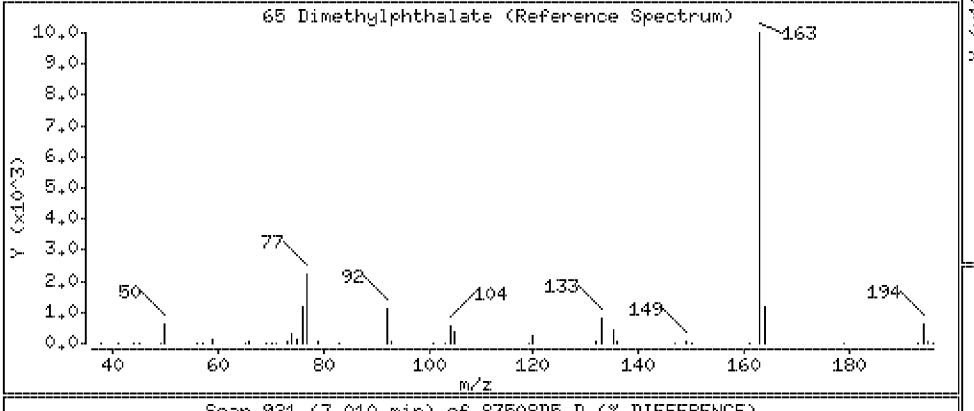
Concentration: 1680 ug/kg

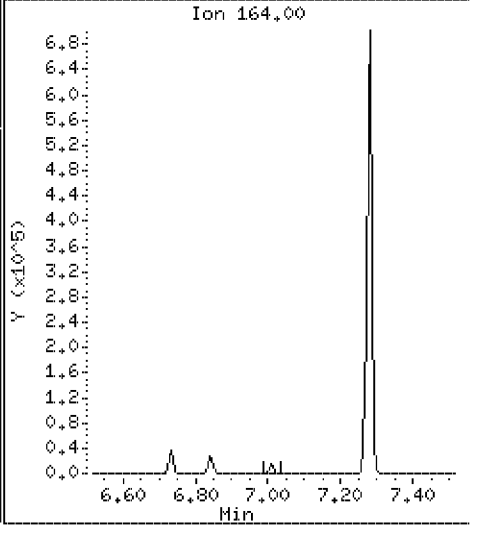


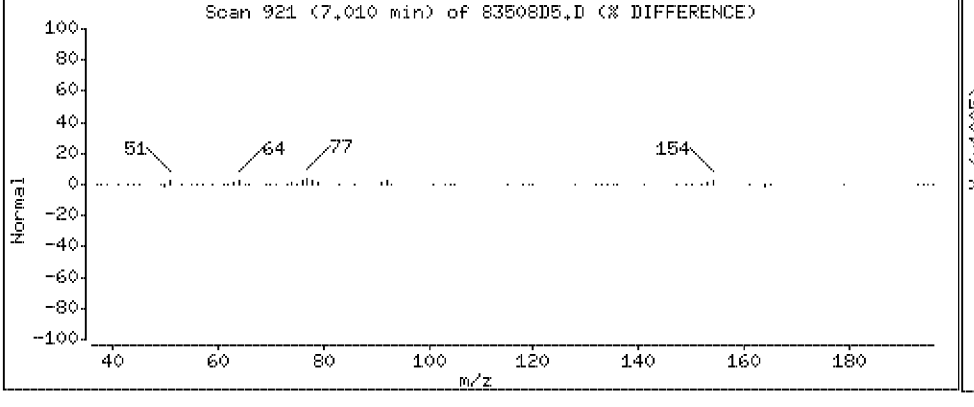












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

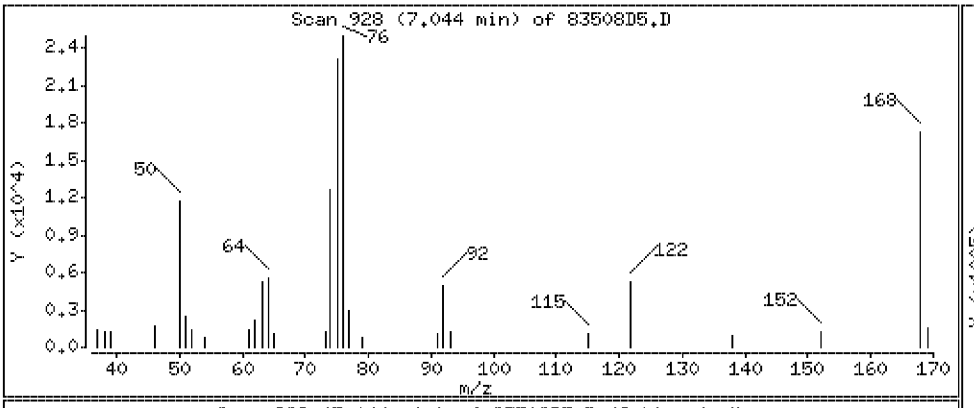
Operator: PEL

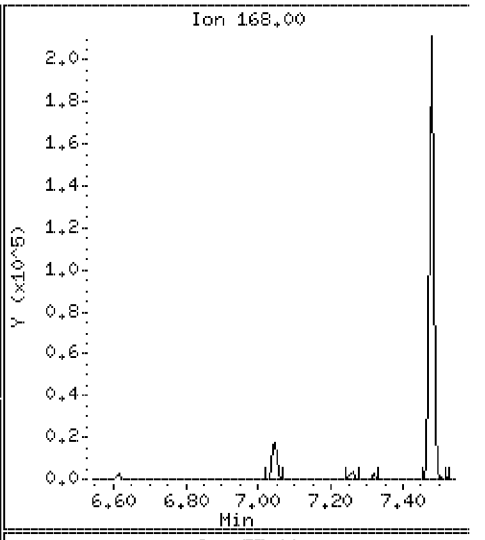
Column phase: HPMS-5

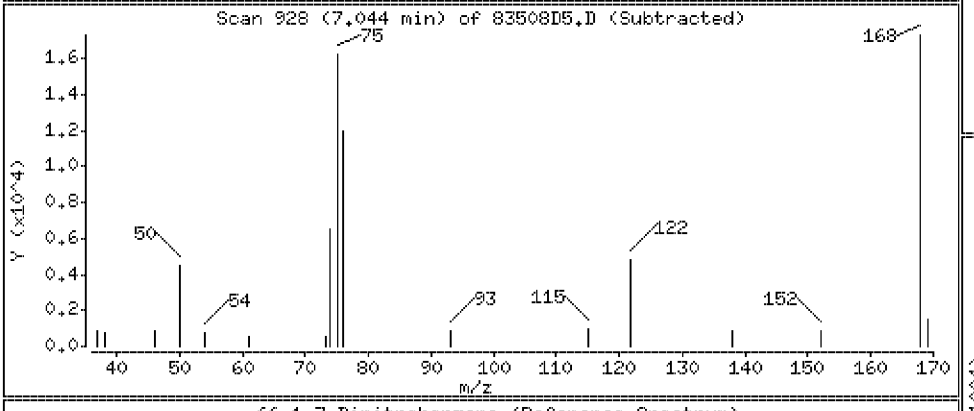
Column diameter: 0.25

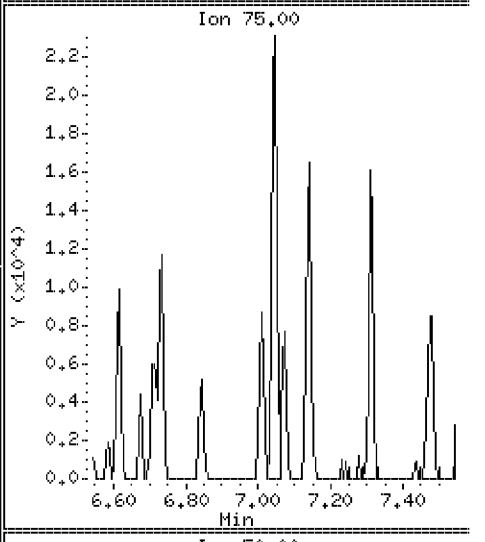
66 1,3-Dinitrobenzene

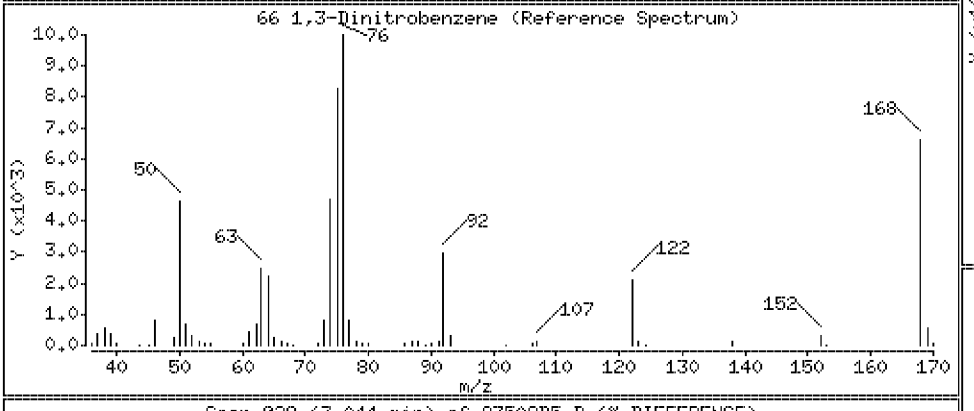
Concentration: 1600 ug/kg

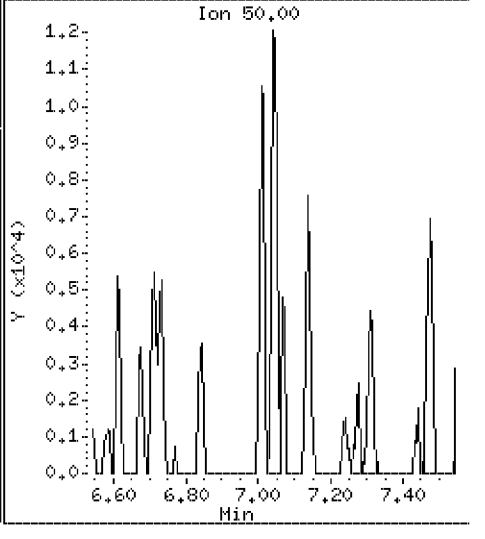


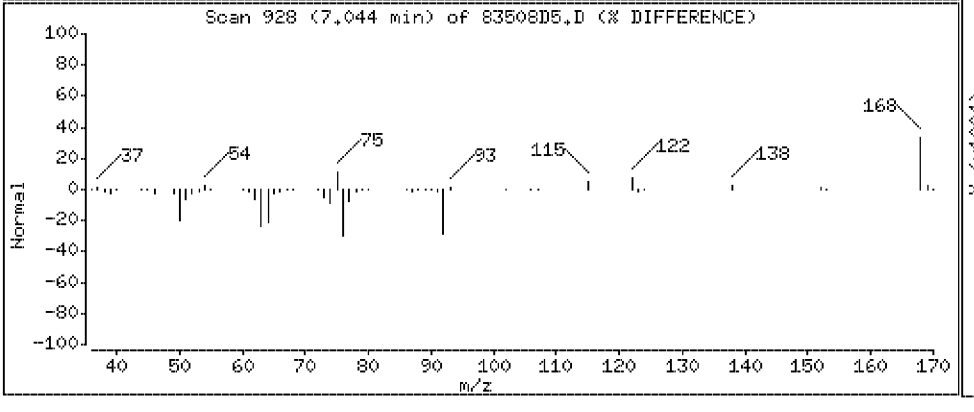












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

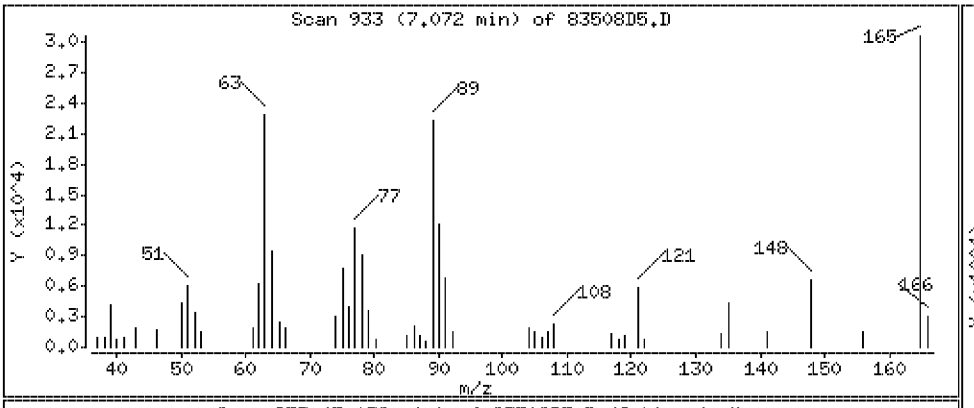
Operator: PEL

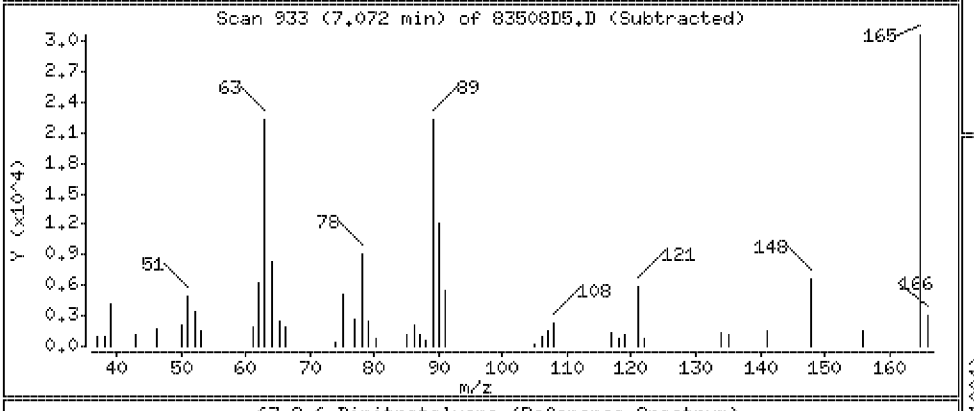
Column phase: HPMS-5

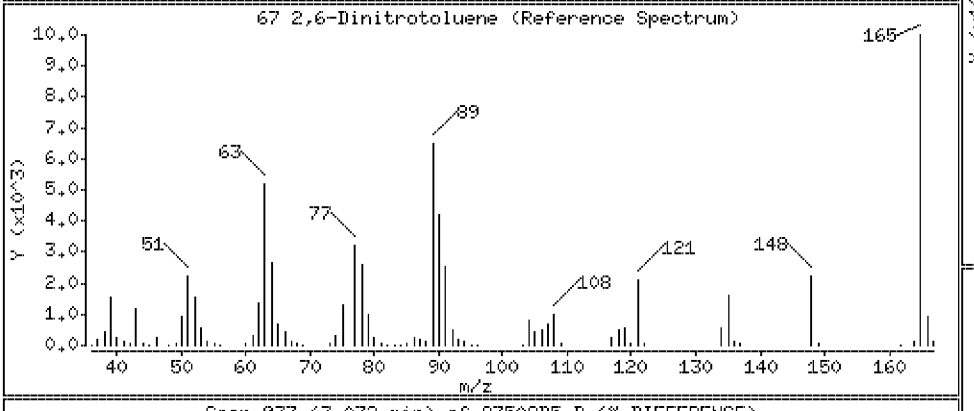
Column diameter: 0.25

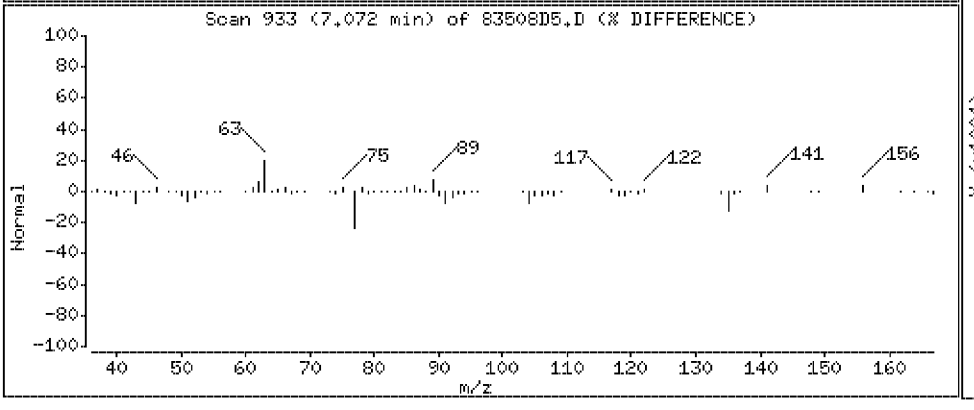
67 2,6-Dinitrotoluene

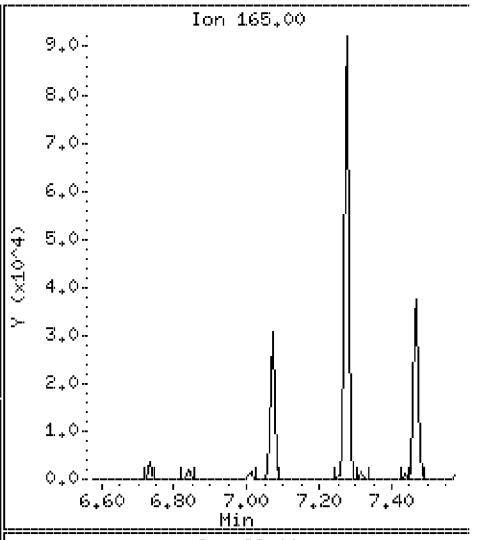
Concentration: 1560 ug/kg

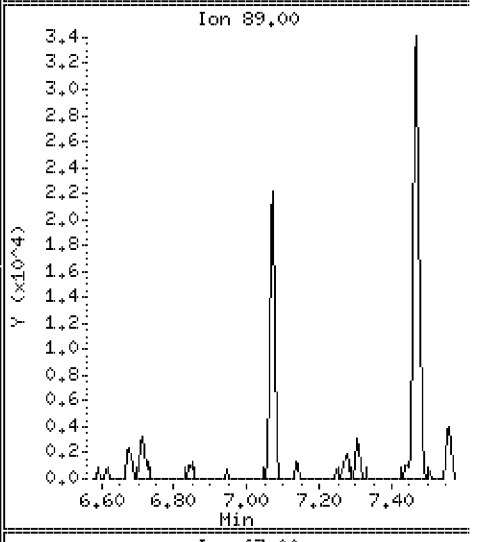


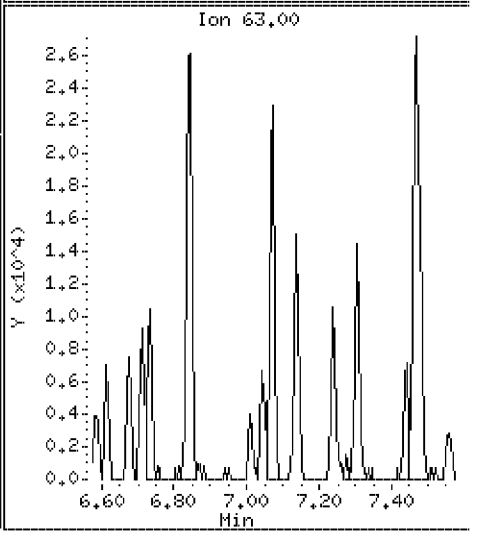












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

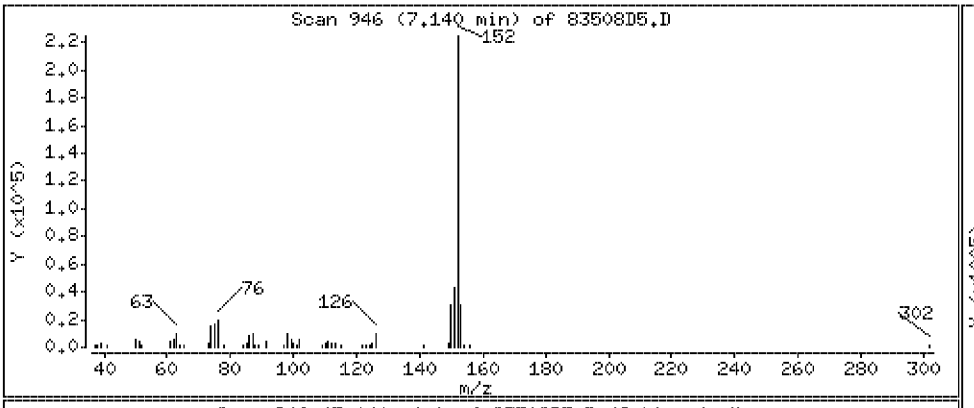
Operator: PEL

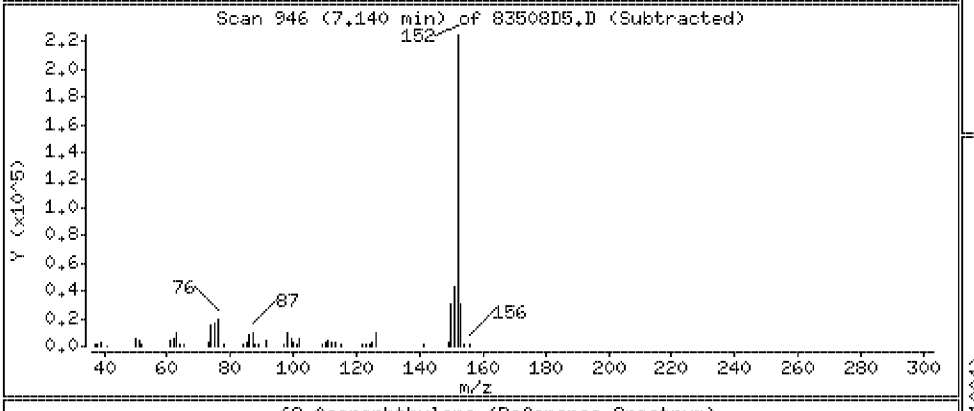
Column phase: HPMS-5

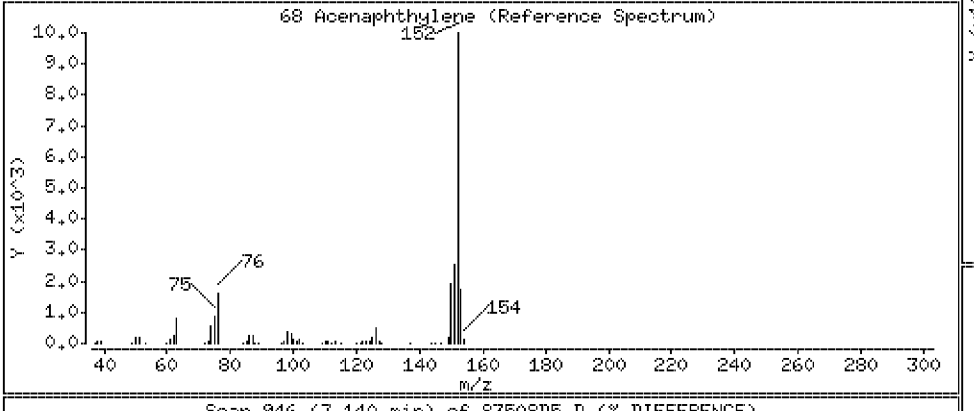
Column diameter: 0.25

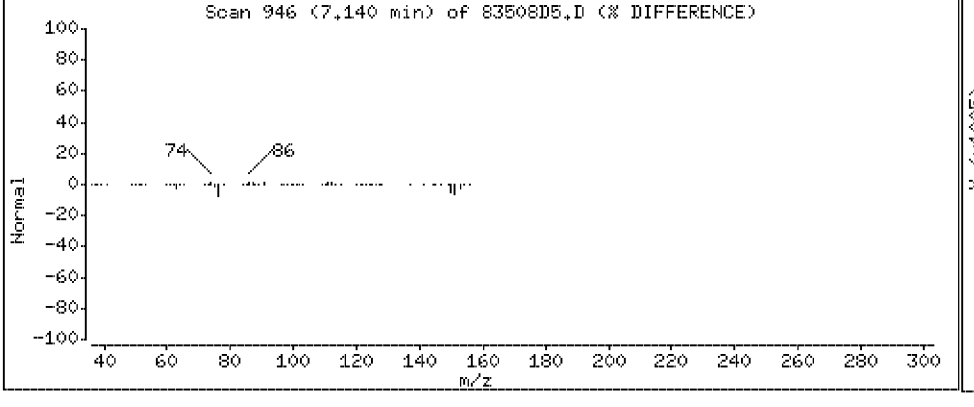
68 Acenaphthylene

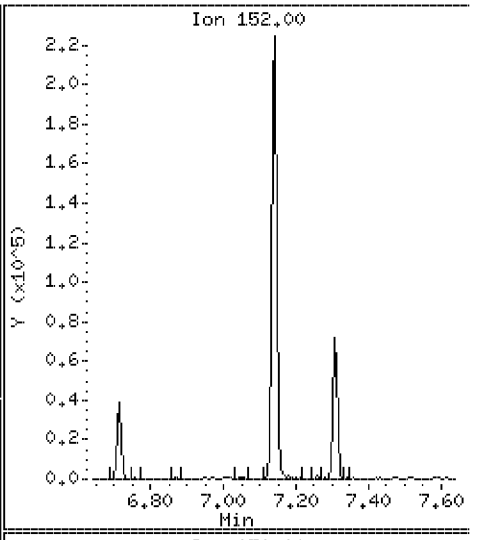
Concentration: 2270 ug/kg

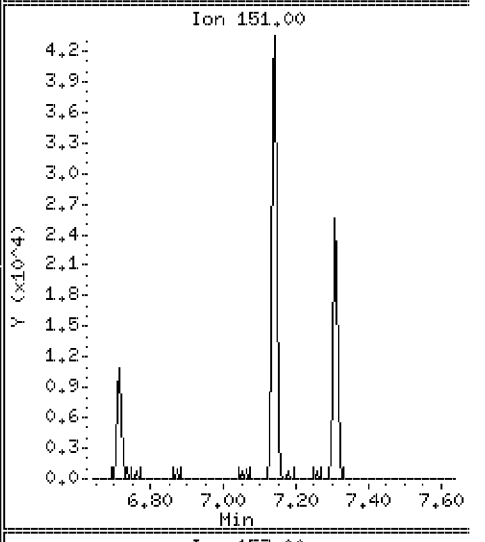


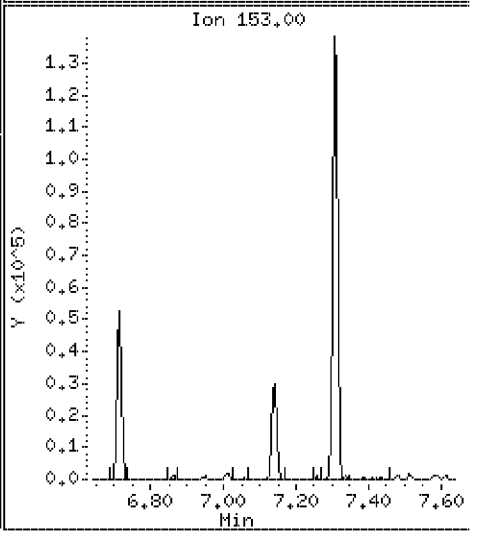












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

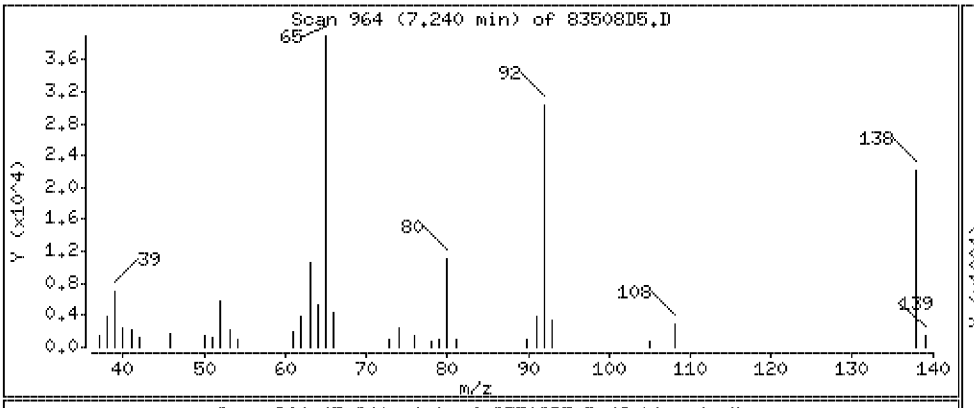
Operator: PEL

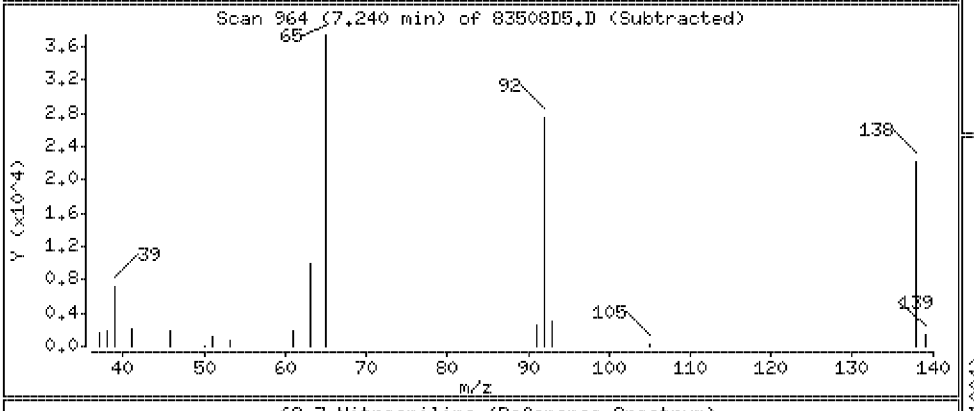
Column phase: HPMS-5

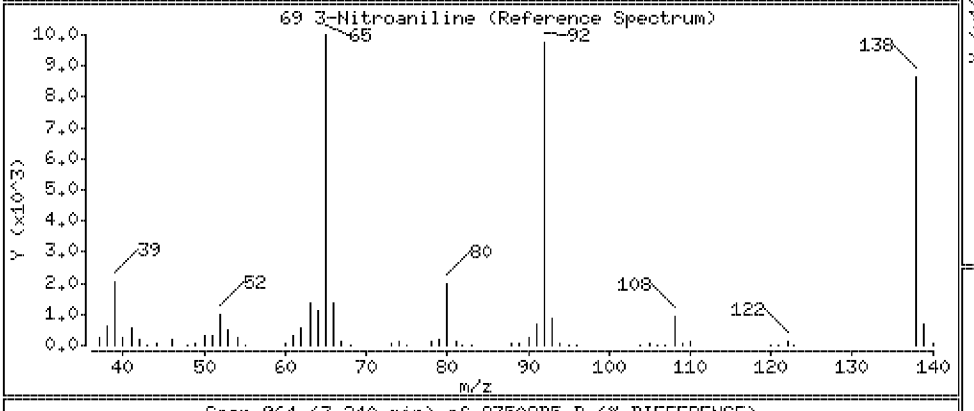
Column diameter: 0.25

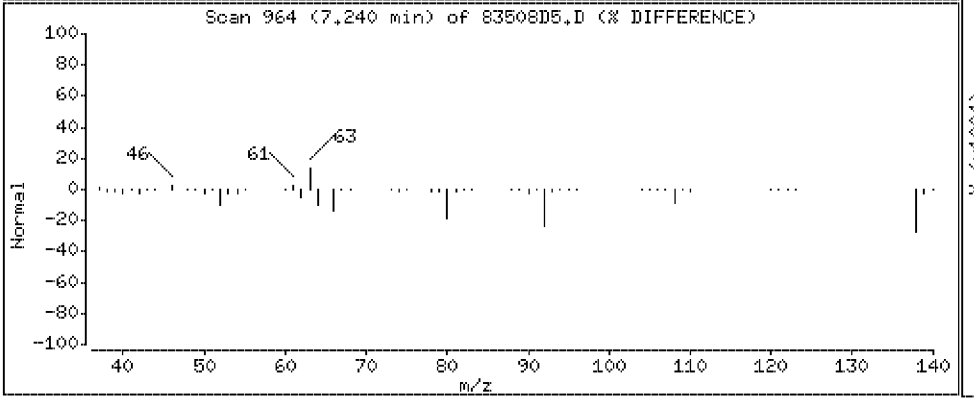
69 3-Nitroaniline

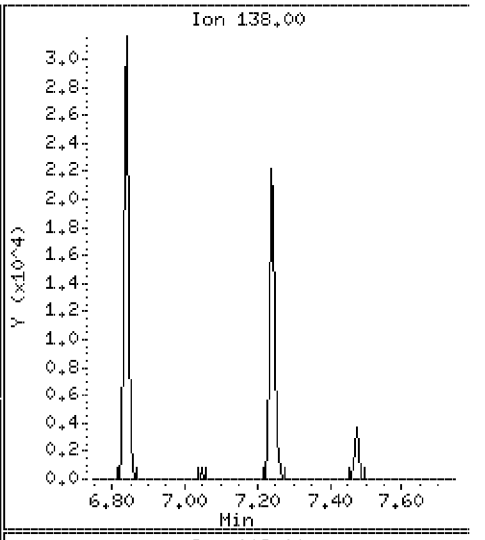
Concentration: 1500 ug/kg

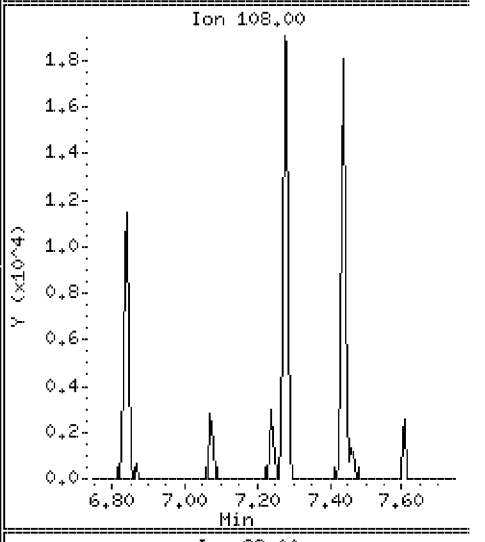


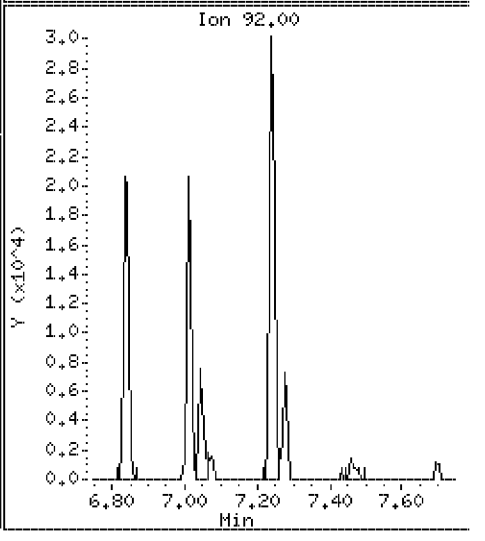












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

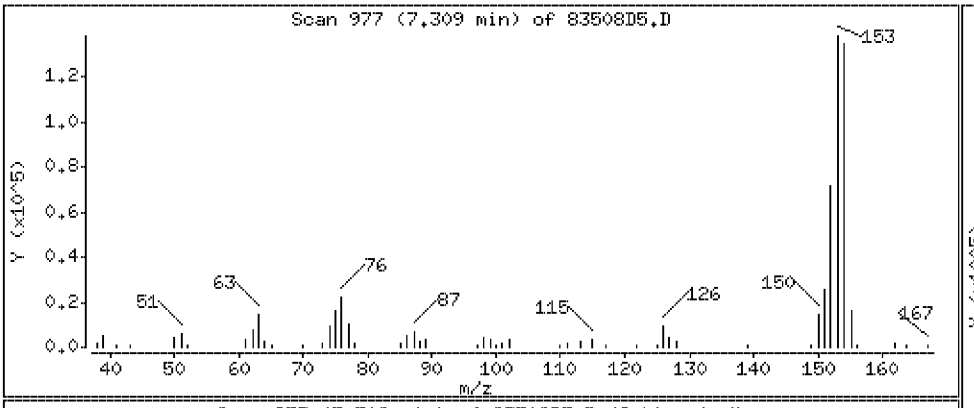
Operator: PEL

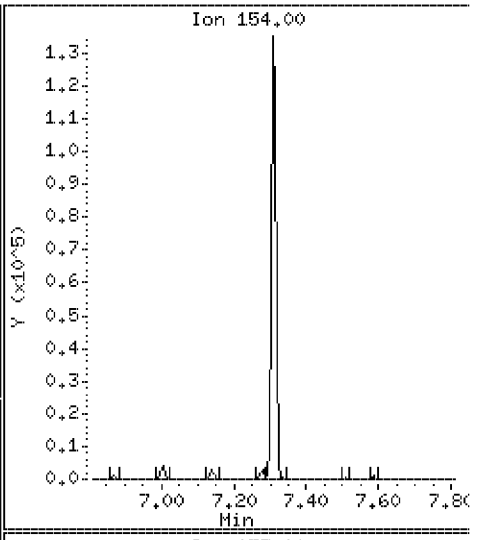
Column phase: HPMS-5

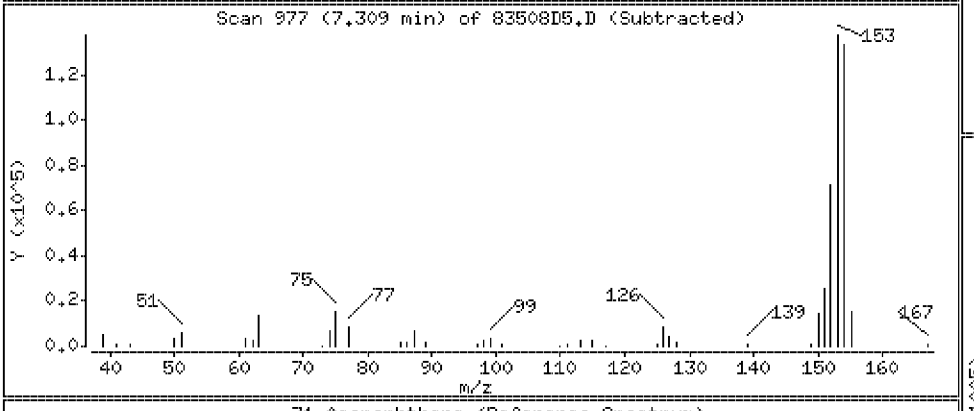
Column diameter: 0.25

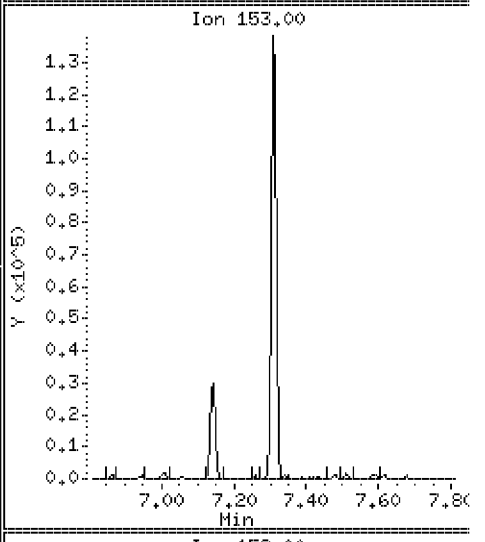
71 Acenaphthene

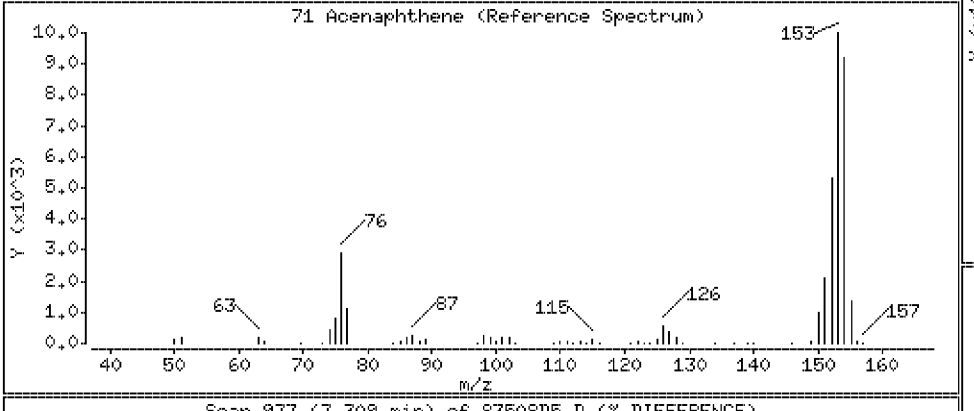
Concentration: 2060 ug/kg

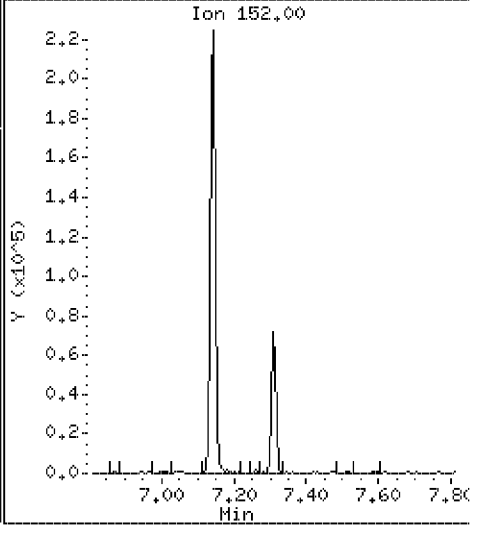


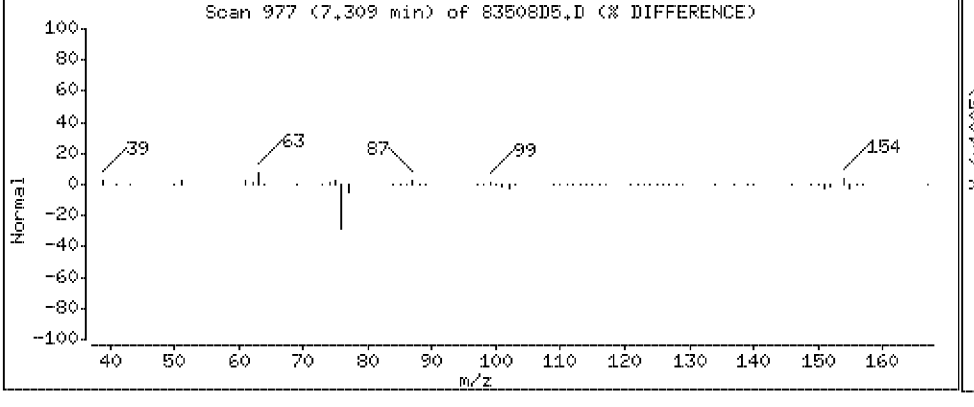












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

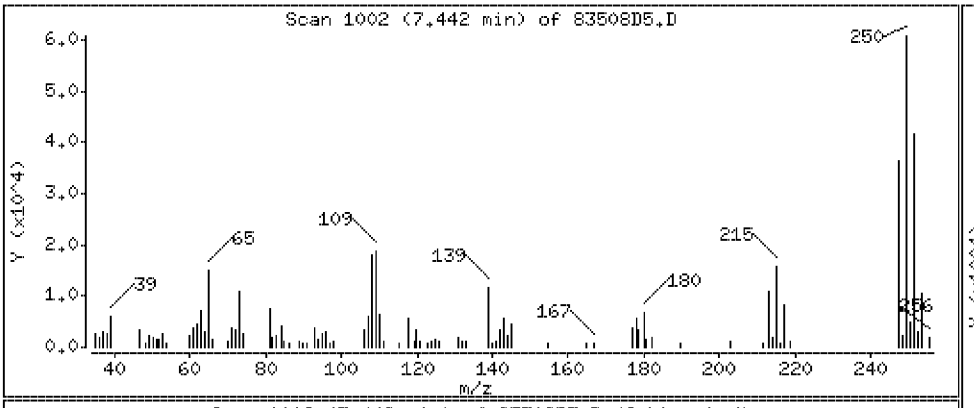
Operator: PEL

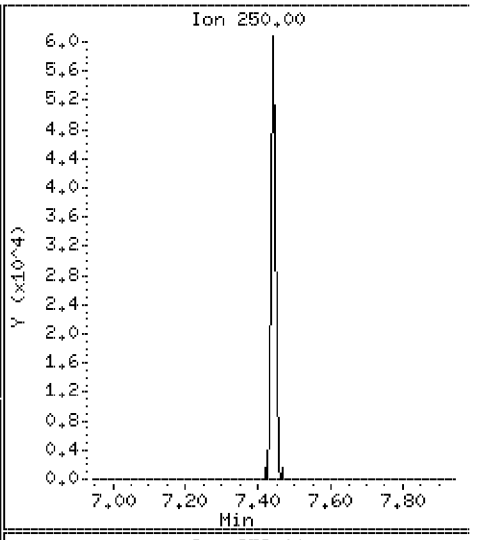
Column phase: HPMS-5

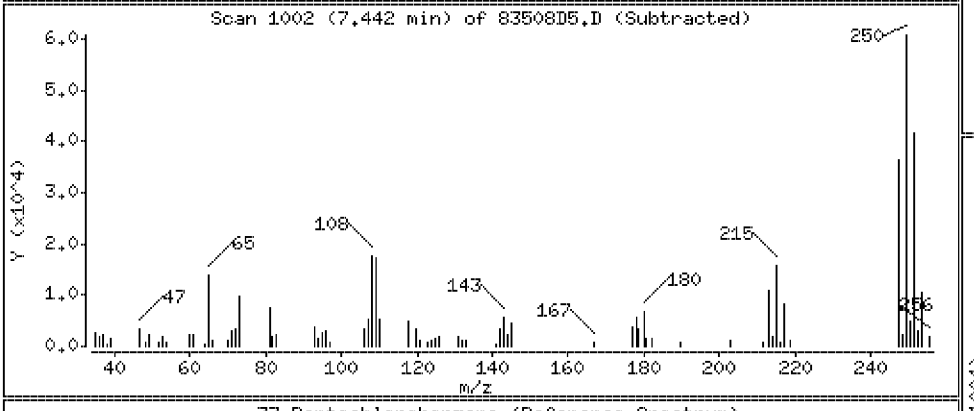
Column diameter: 0.25

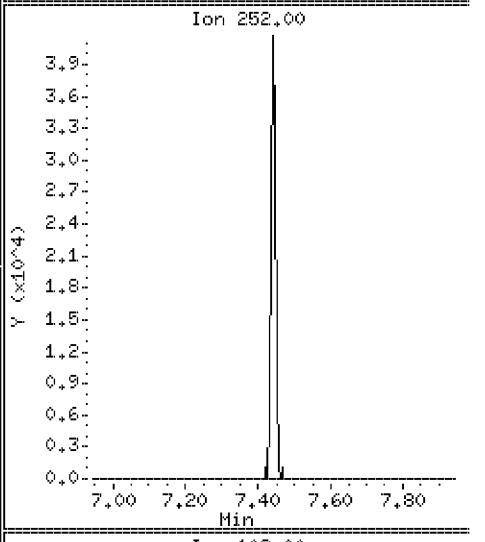
73 Pentachlorobenzene

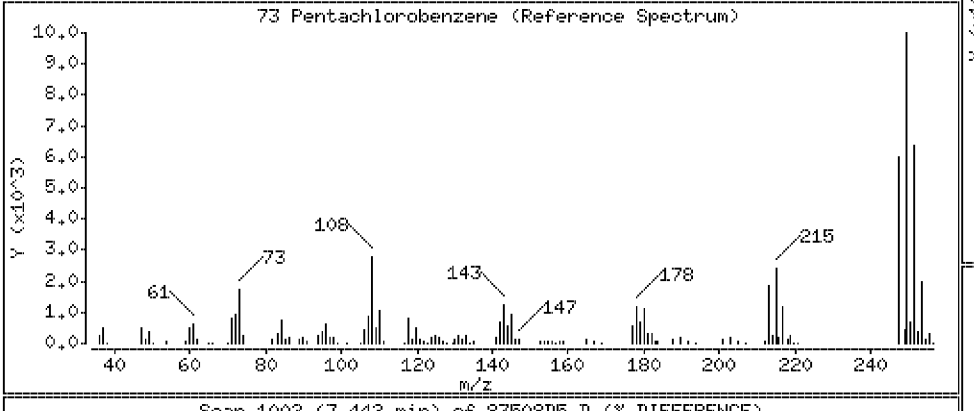
Concentration: 1300 ug/kg

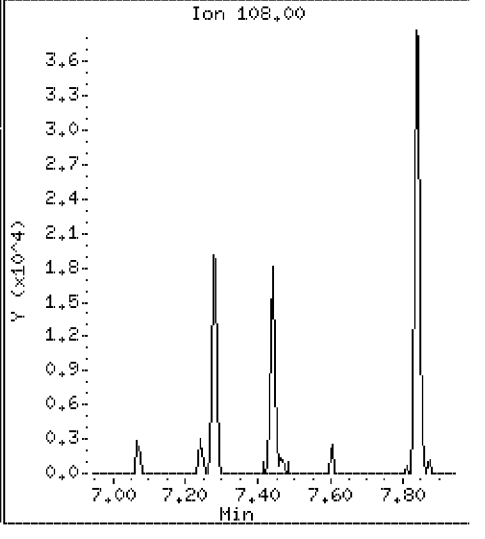


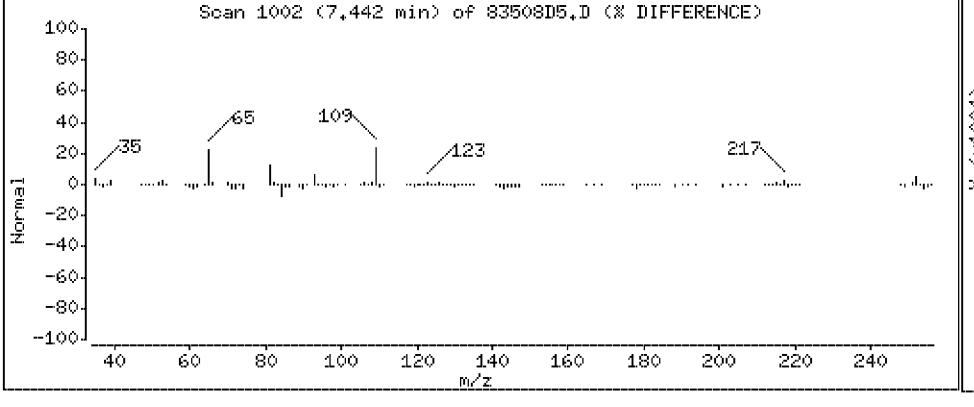












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

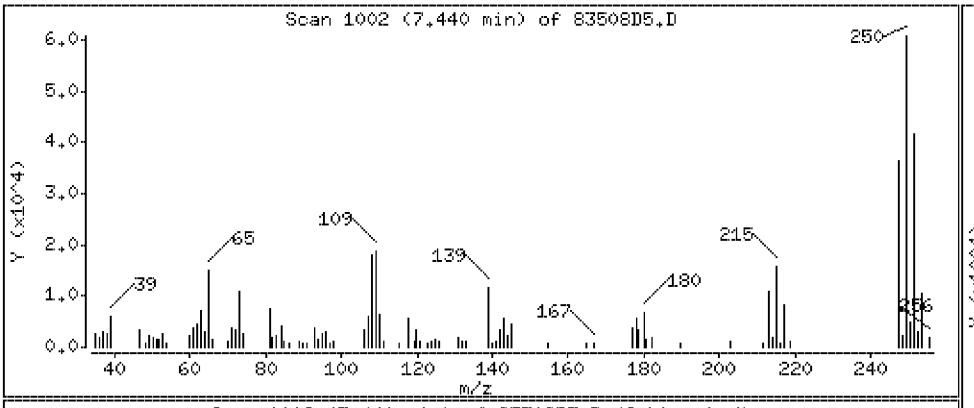
Operator: PEL

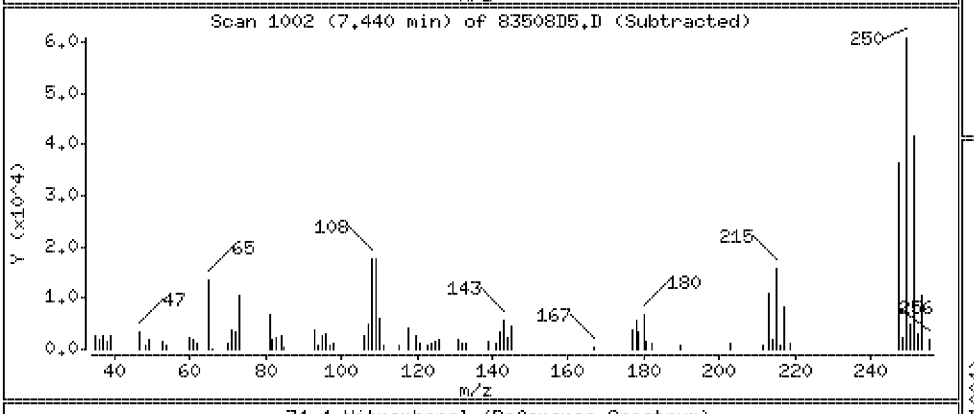
Column phase: HPMS-5

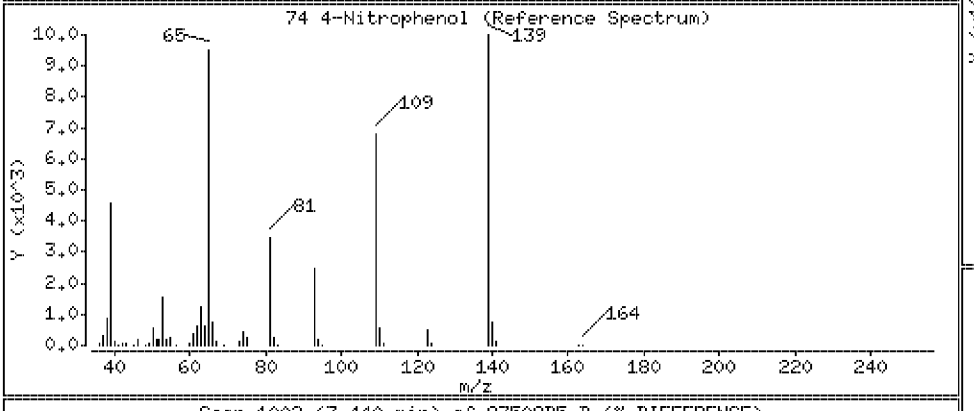
Column diameter: 0.25

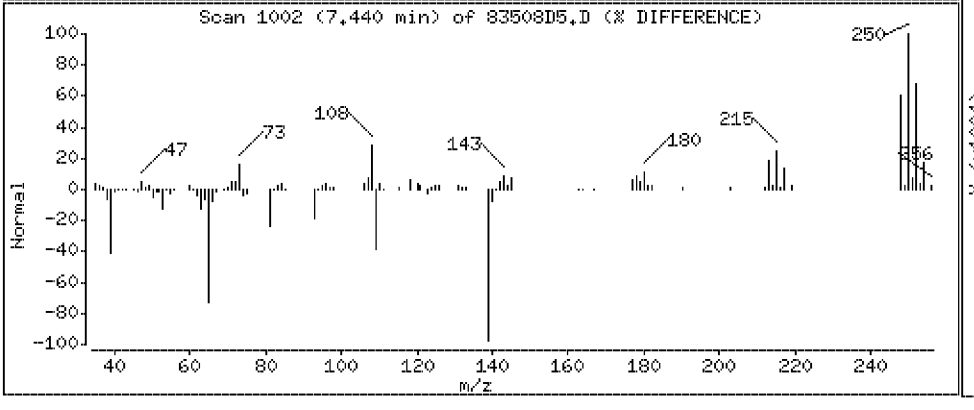
74 4-Nitrophenol

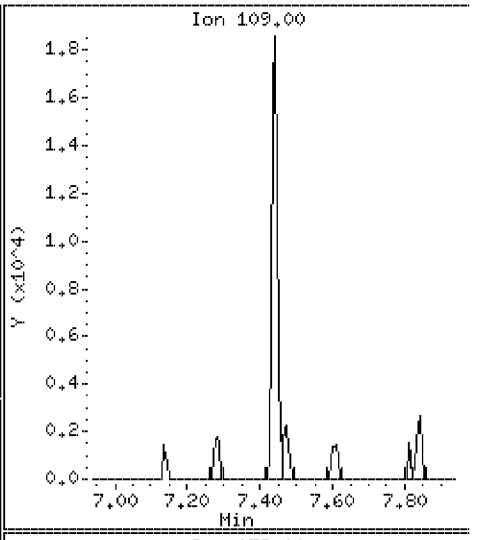
Concentration: 1240 ug/kg

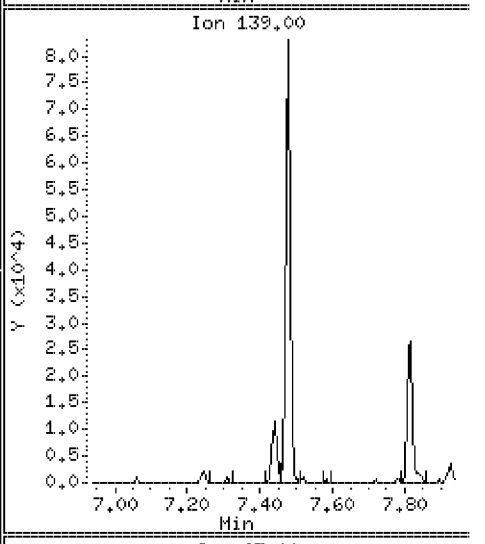


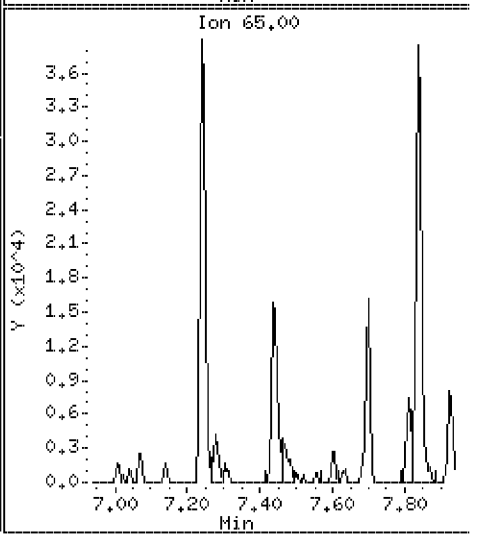












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

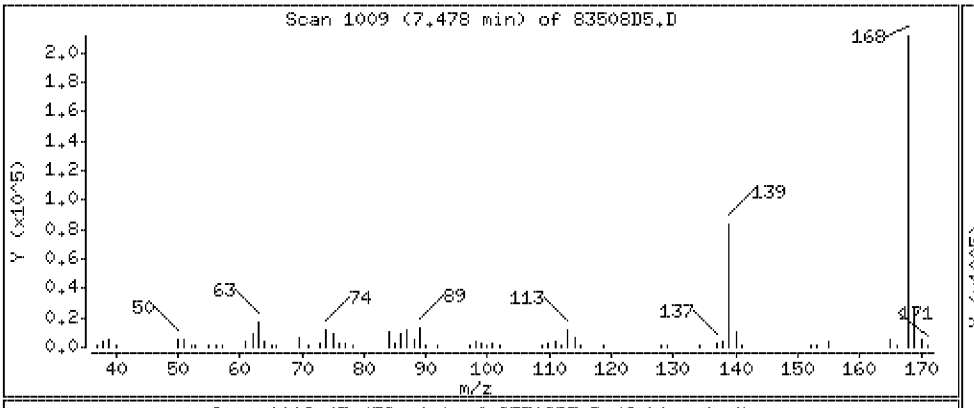
Operator: PEL

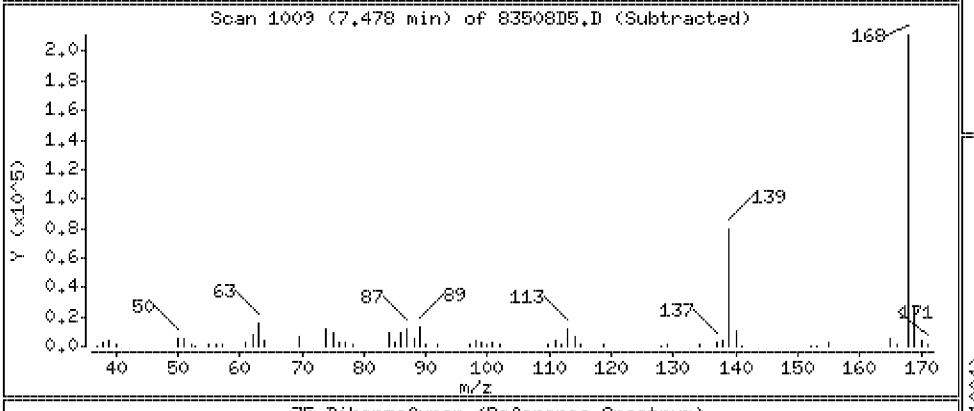
Column phase: HPMS-5

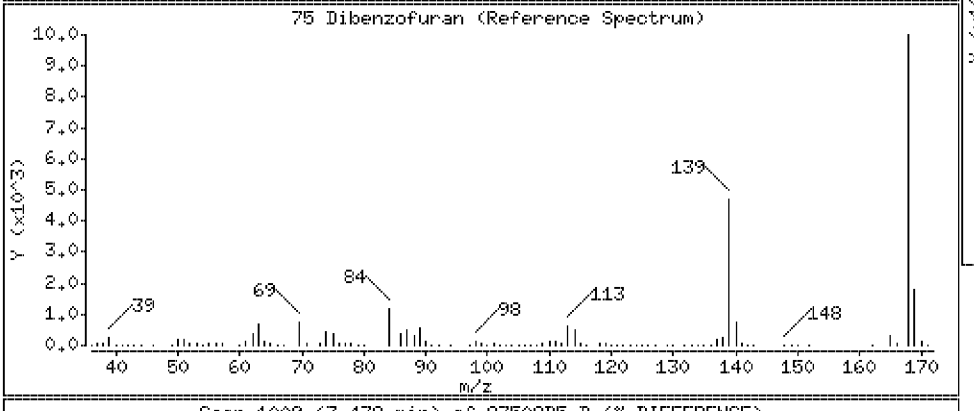
Column diameter: 0.25

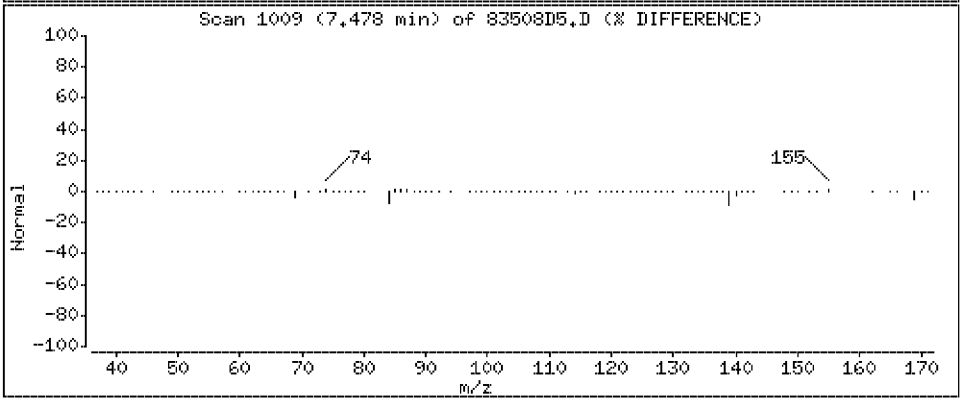
75 Dibenzofuran

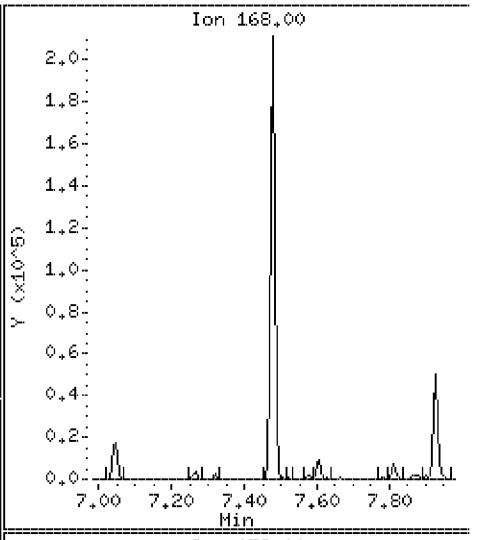
Concentration: 1960 ug/kg

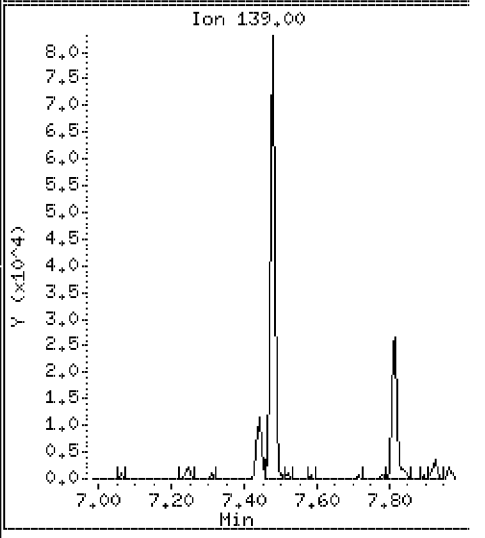












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

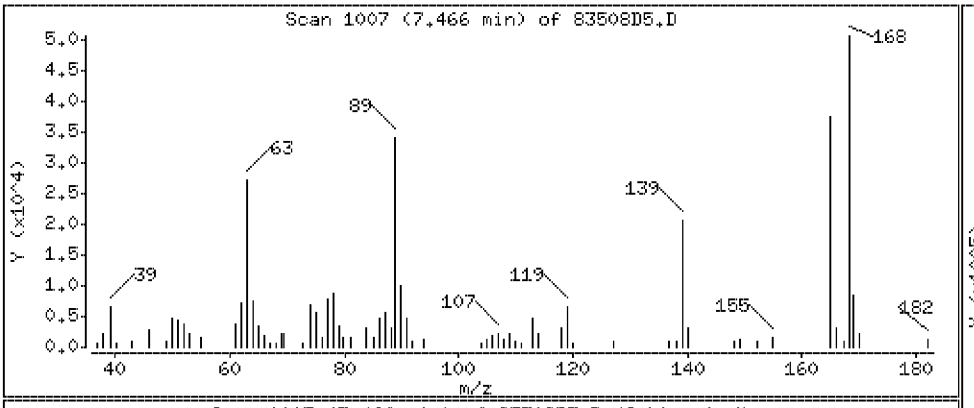
Operator: PEL

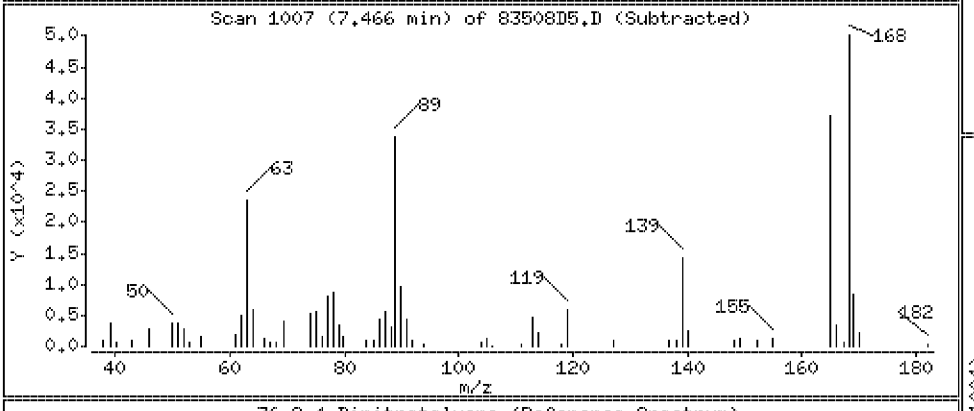
Column phase: HPMS-5

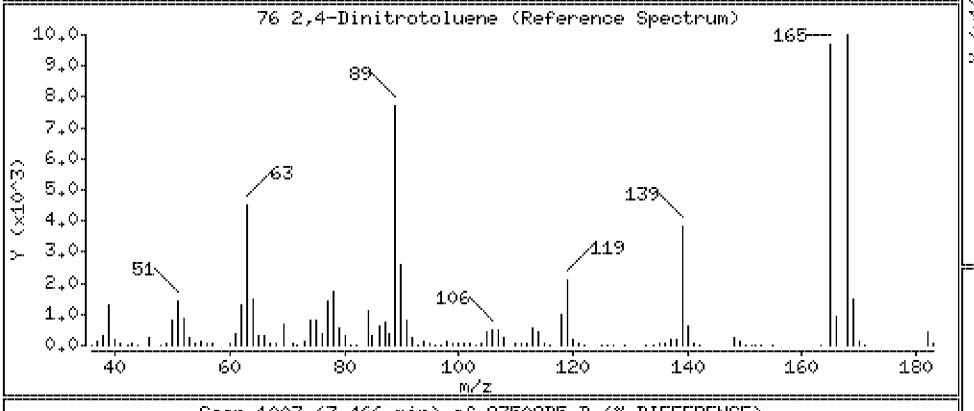
Column diameter: 0.25

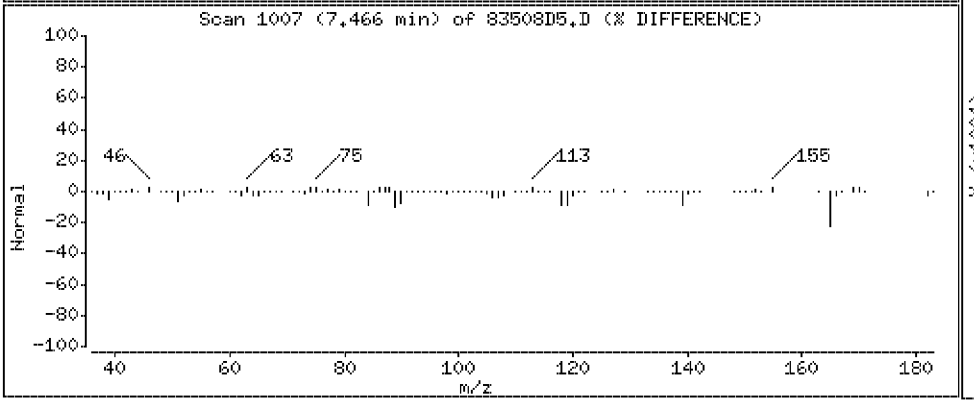
76 2,4-Dinitrotoluene

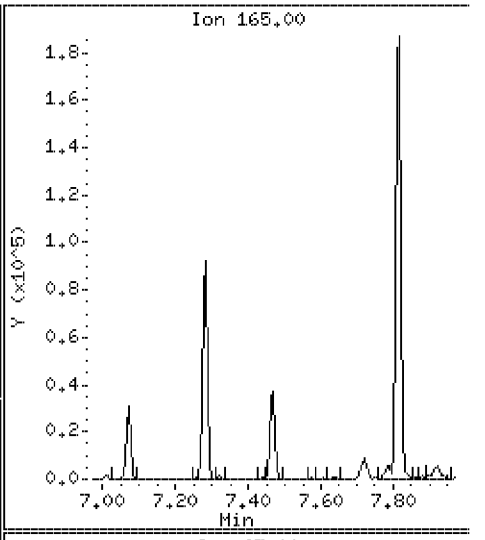
Concentration: 1570 ug/kg

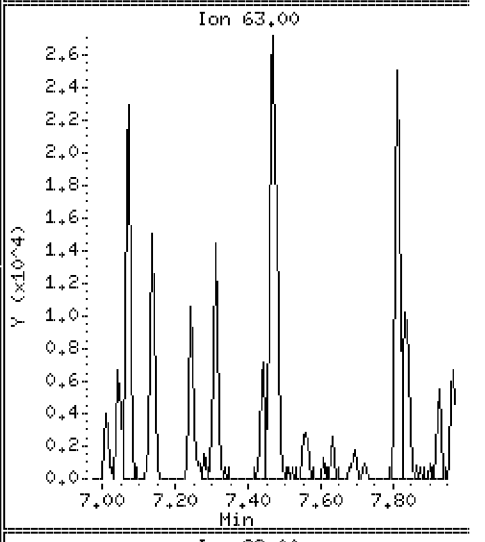


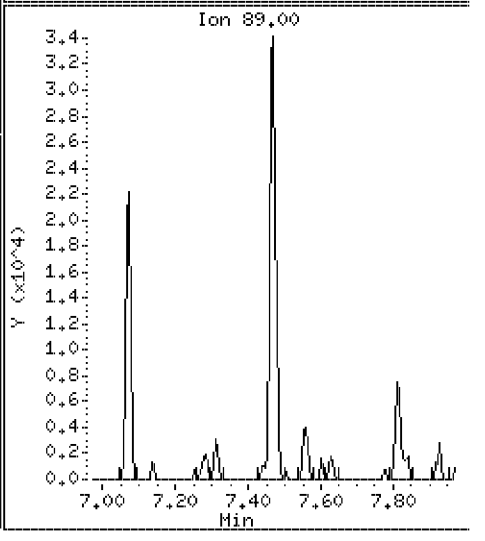












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

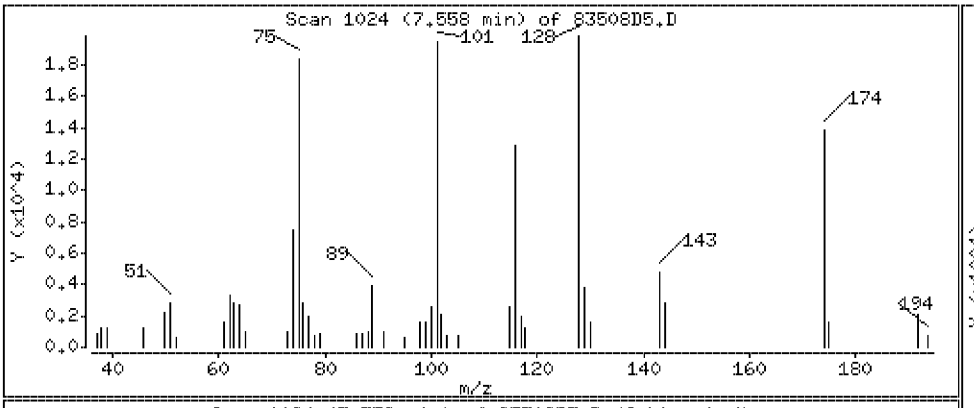
Operator: PEL

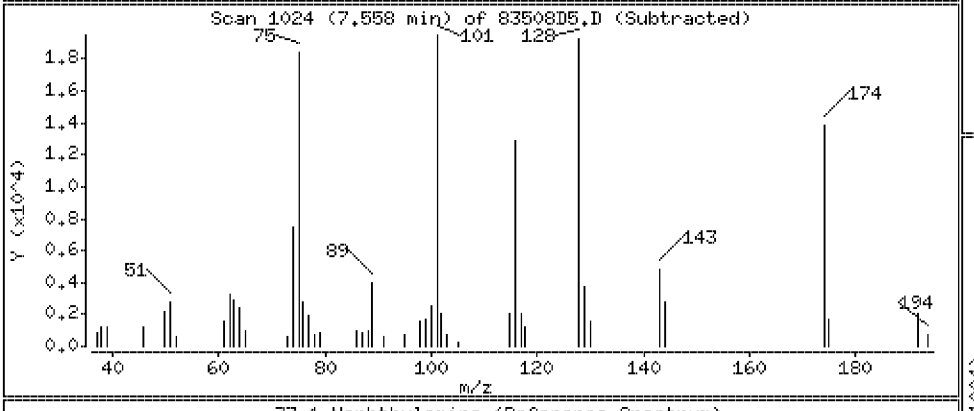
Column phase: HPMS-5

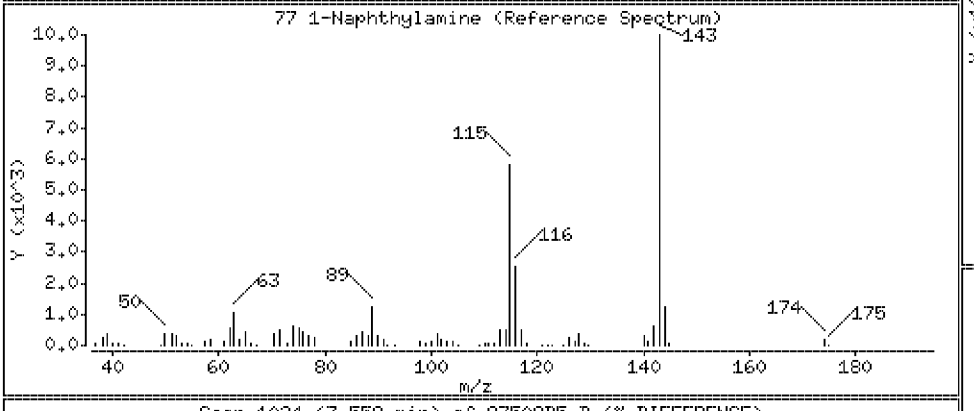
Column diameter: 0.25

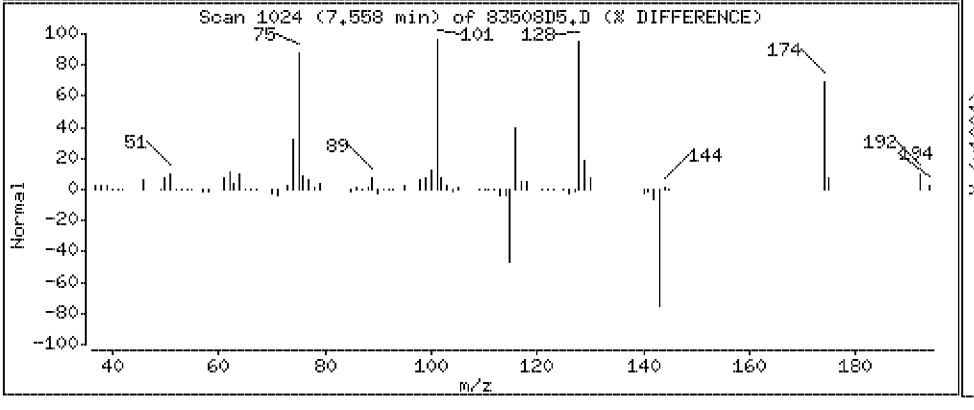
77 1-Naphthylamine

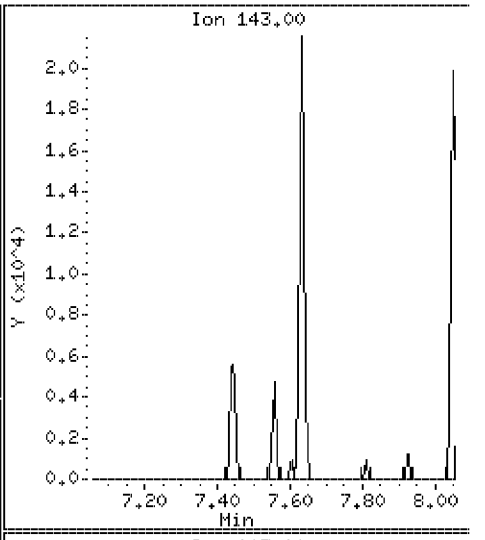
Concentration: 89.3 ug/kg

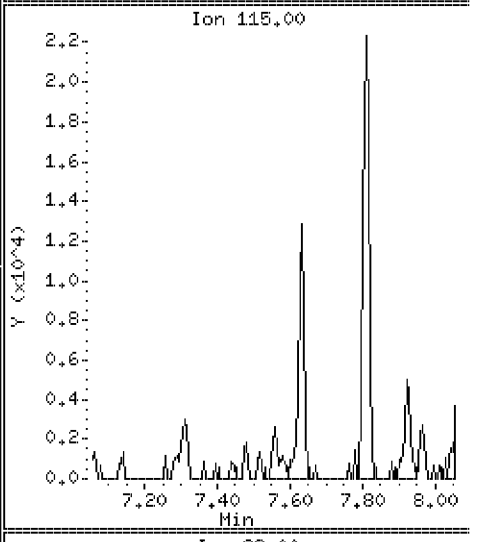


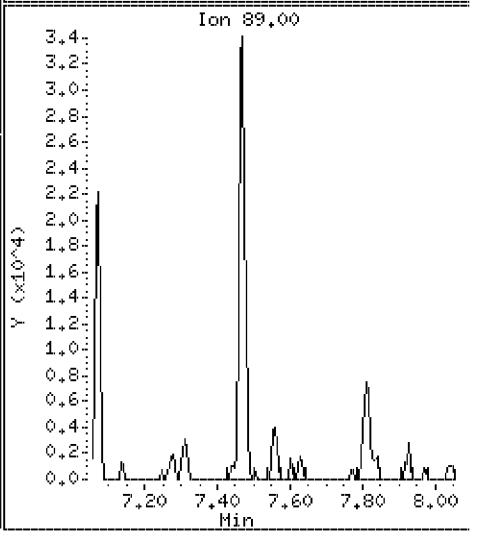












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

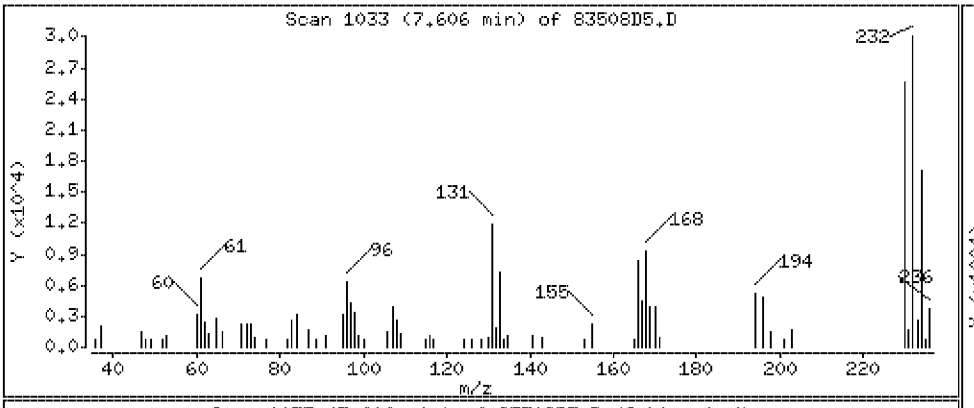
Operator: PEL

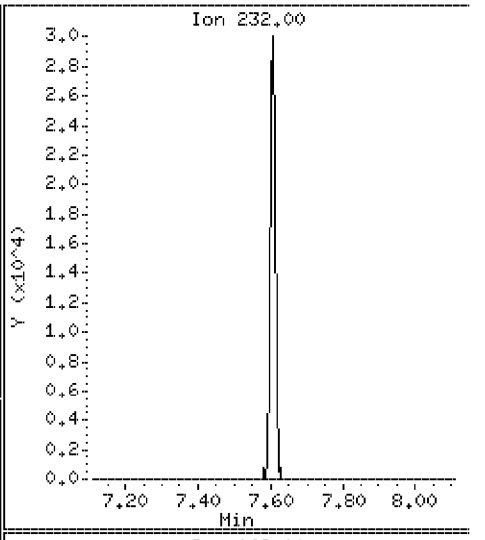
Column phase: HPMS-5

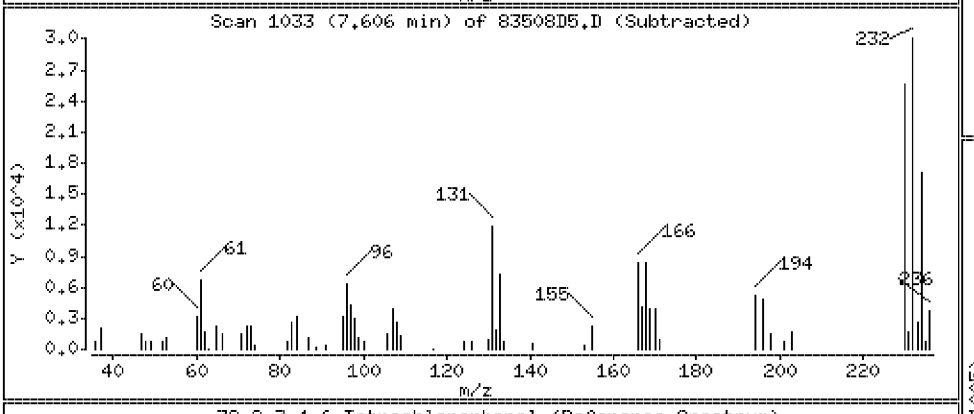
Column diameter: 0.25

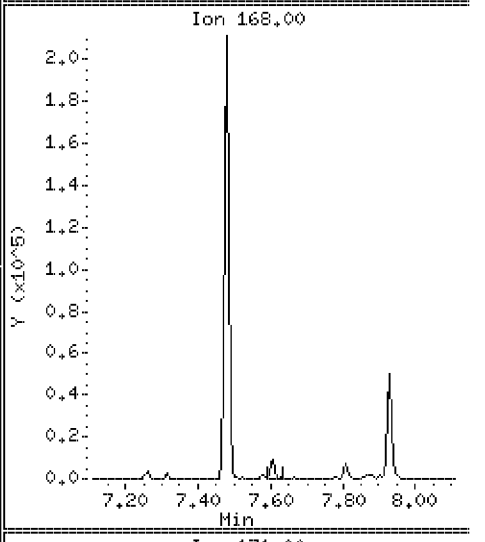
78 2,3,4,6-Tetrachlorophenol

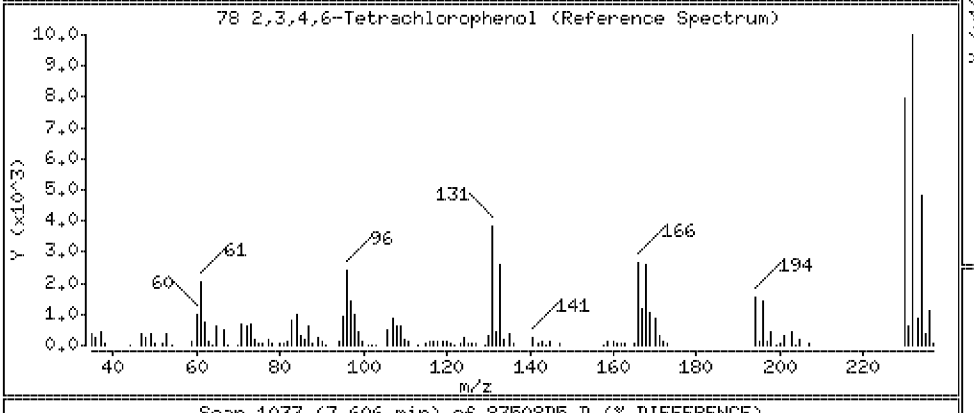
Concentration: 1380 ug/kg

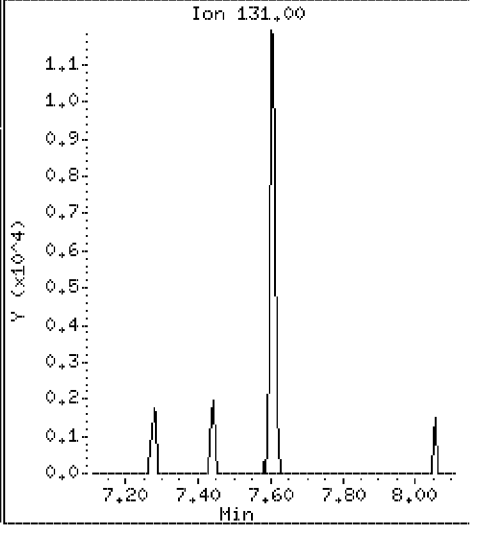


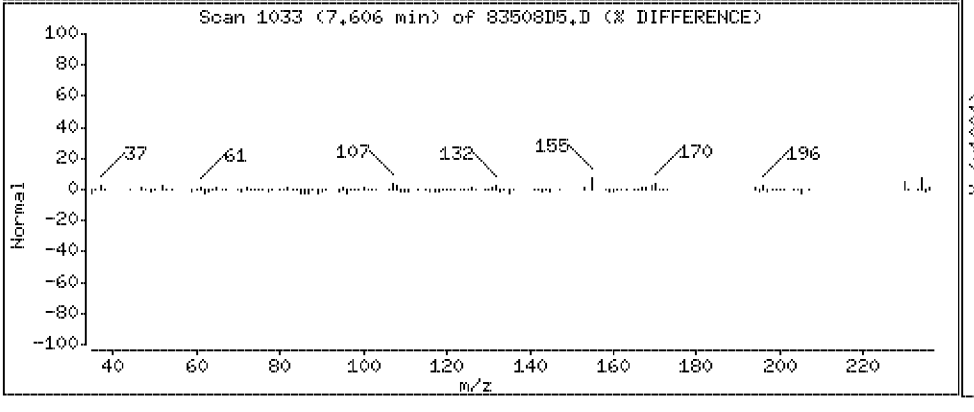












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

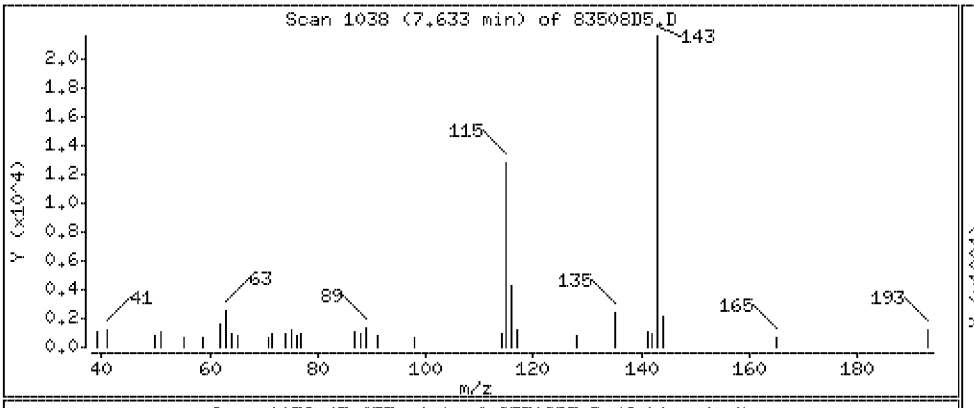
Operator: PEL

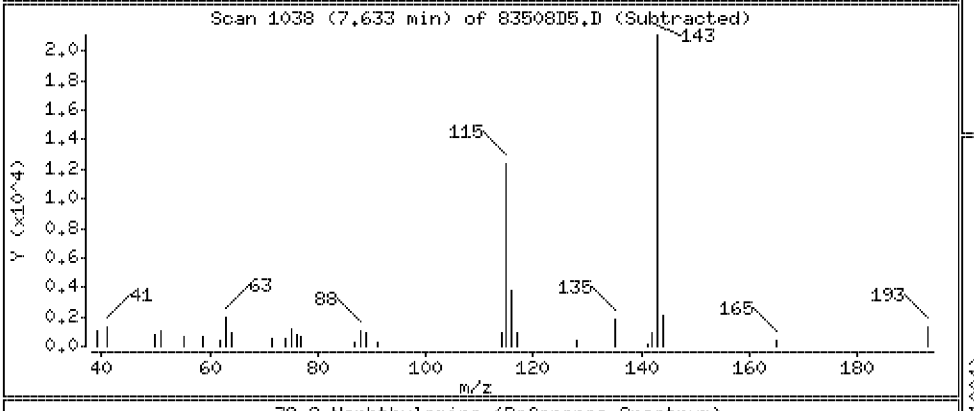
Column phase: HPMS-5

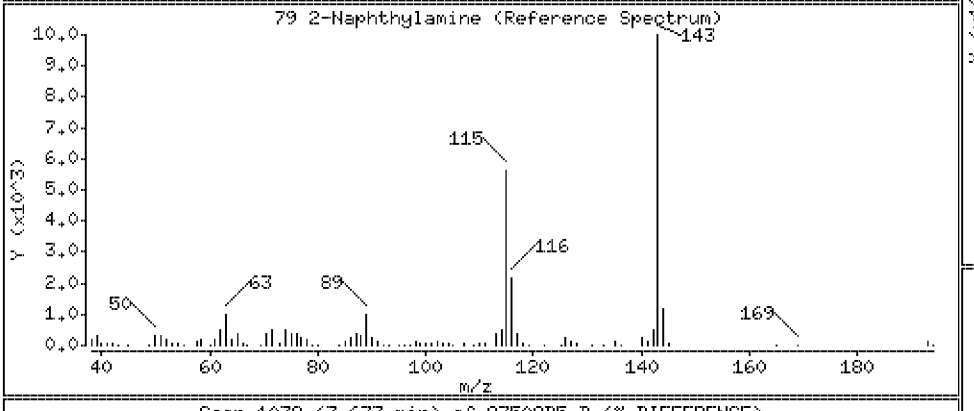
Column diameter: 0.25

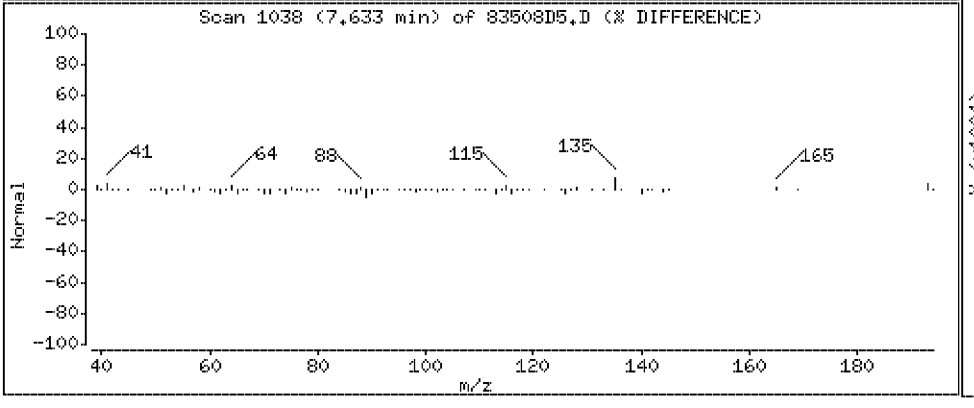
79 2-Naphthylamine

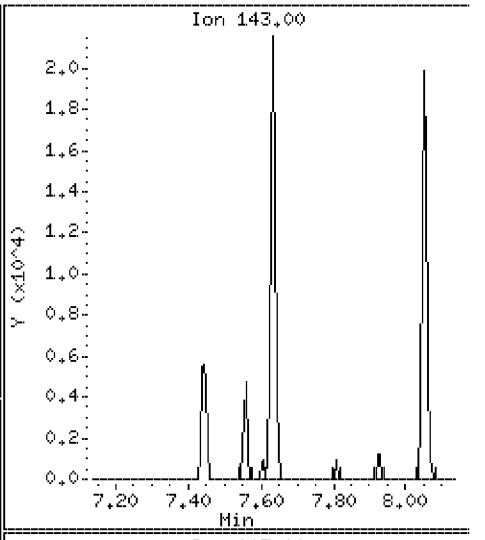
Concentration: 396 ug/kg

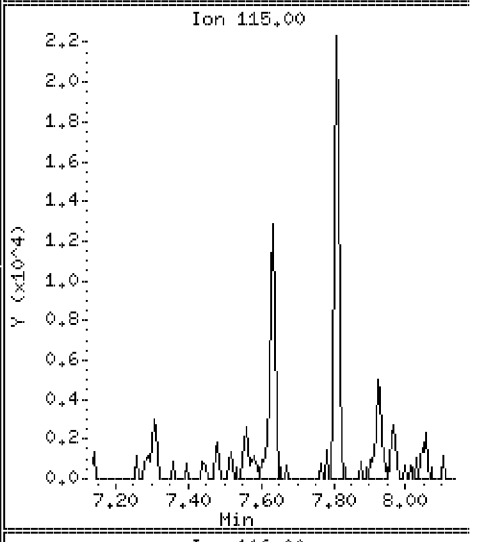


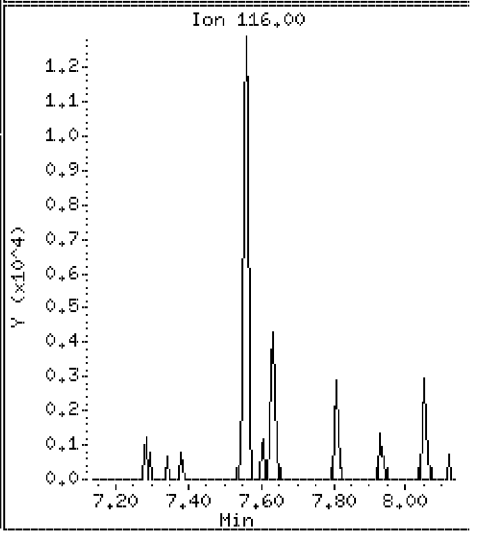












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

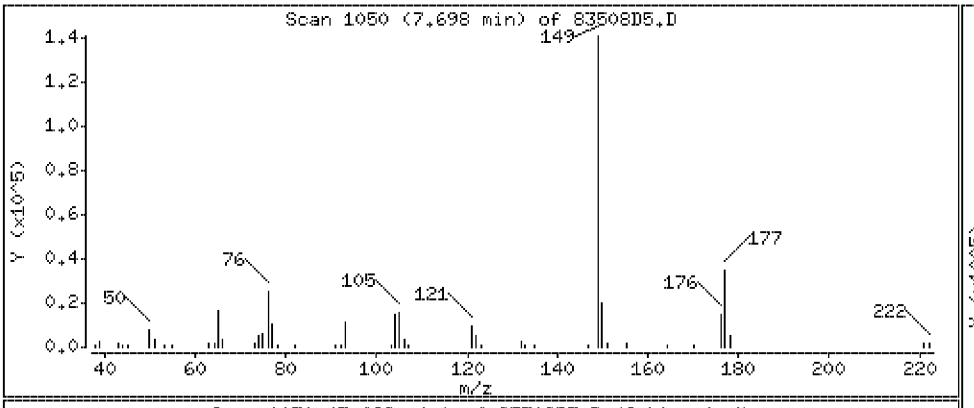
Operator: PEL

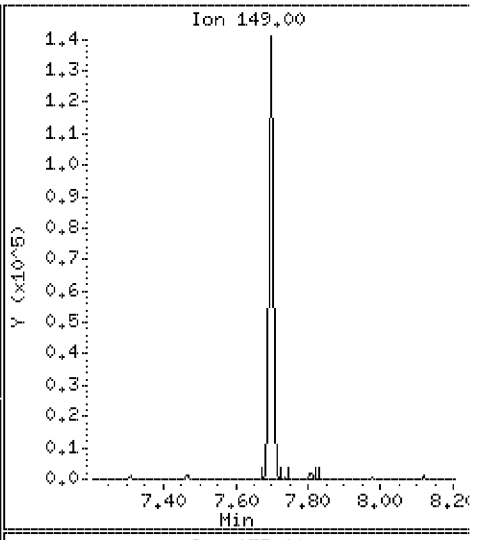
Column phase: HPMS-5

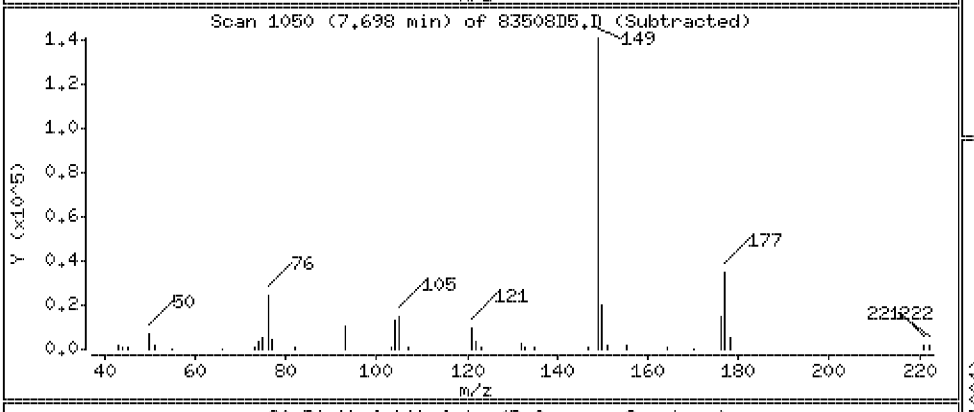
Column diameter: 0.25

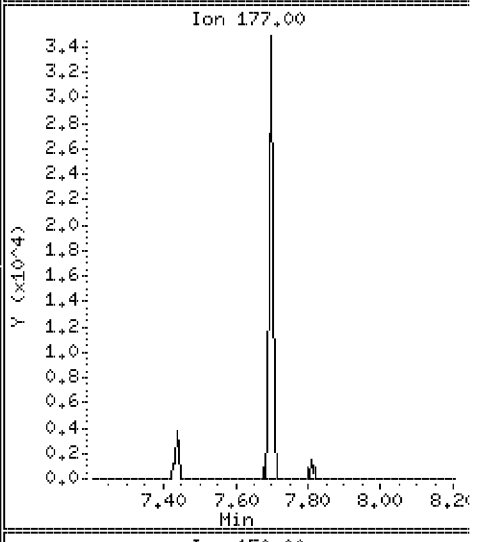
80 Diethylphthalate

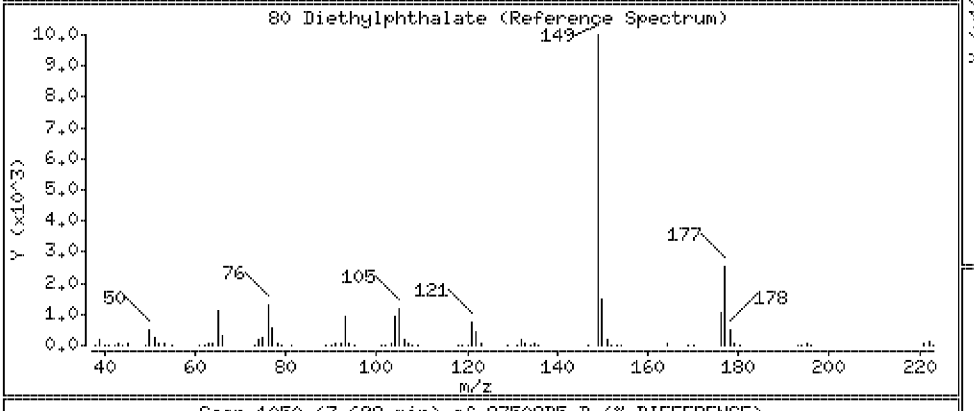
Concentration: 1730 ug/kg

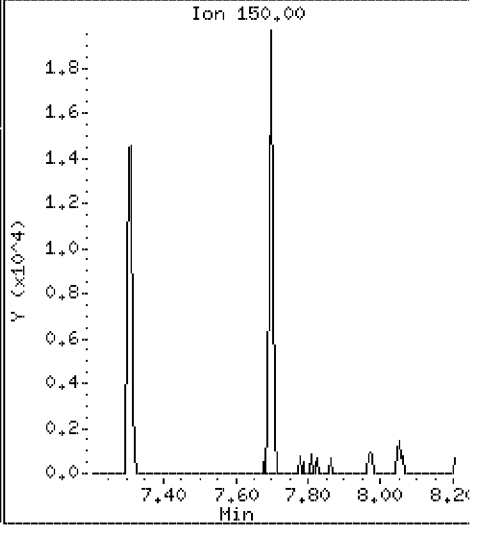


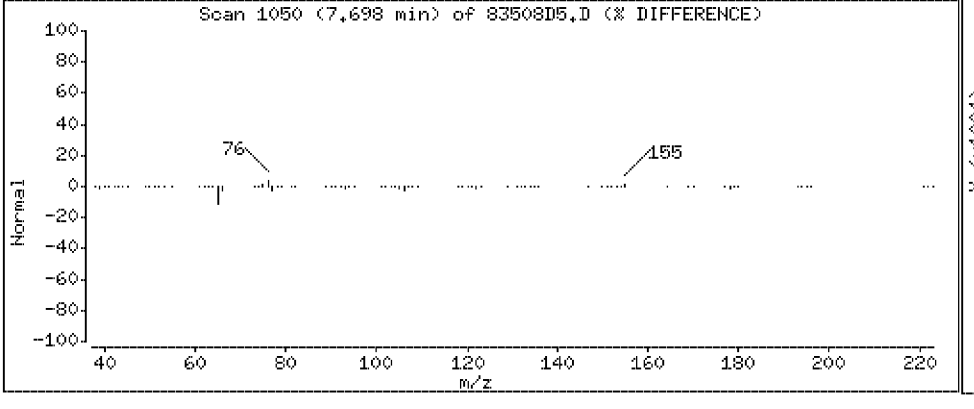












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

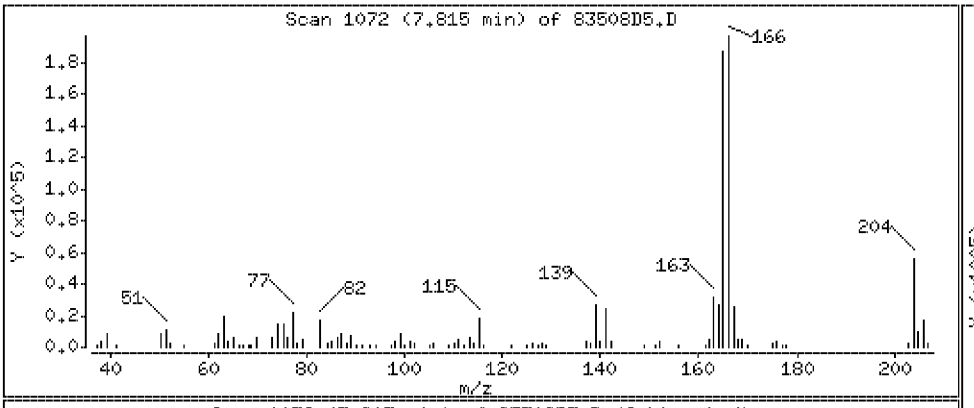
Operator: PEL

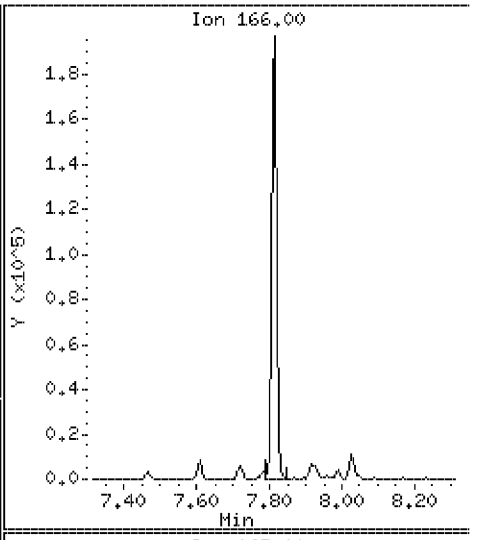
Column phase: HPMS-5

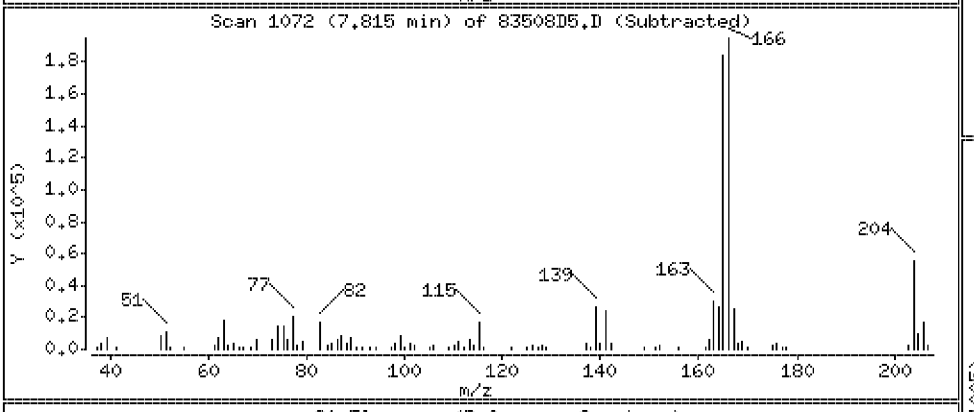
Column diameter: 0.25

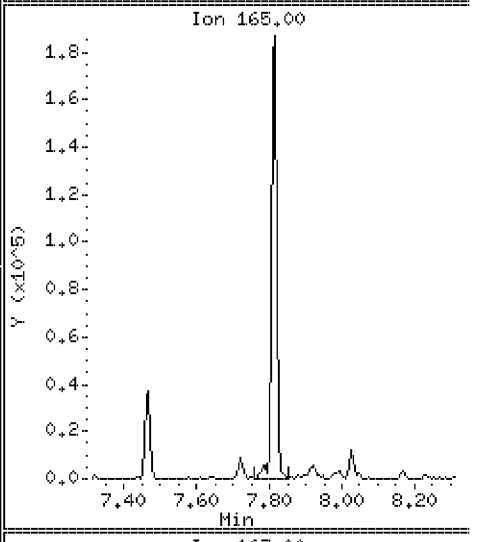
81 Fluorene

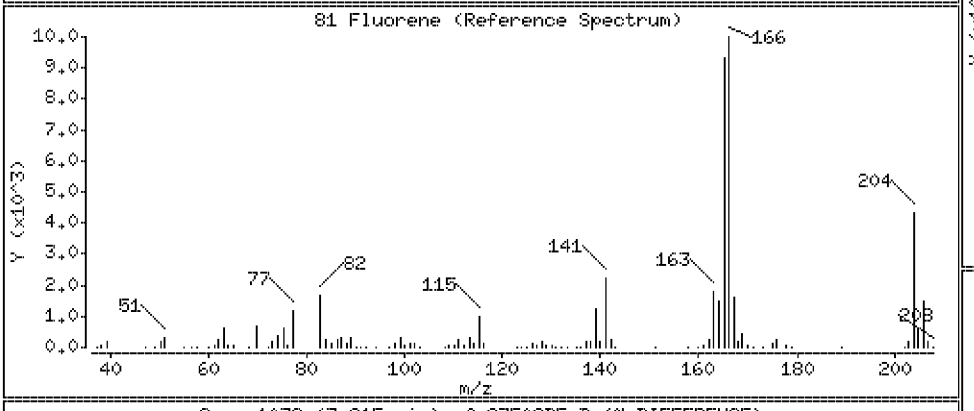
Concentration: 2300 ug/kg

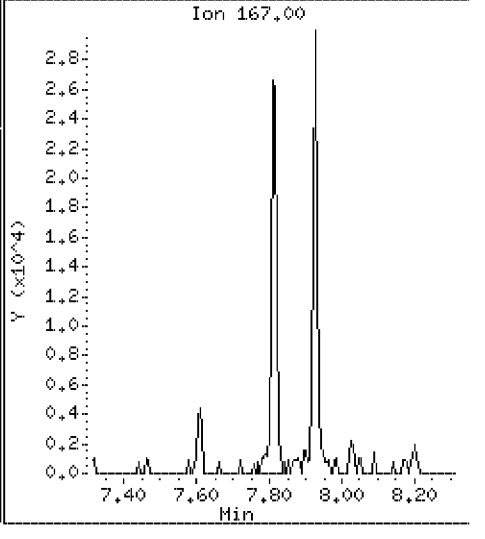


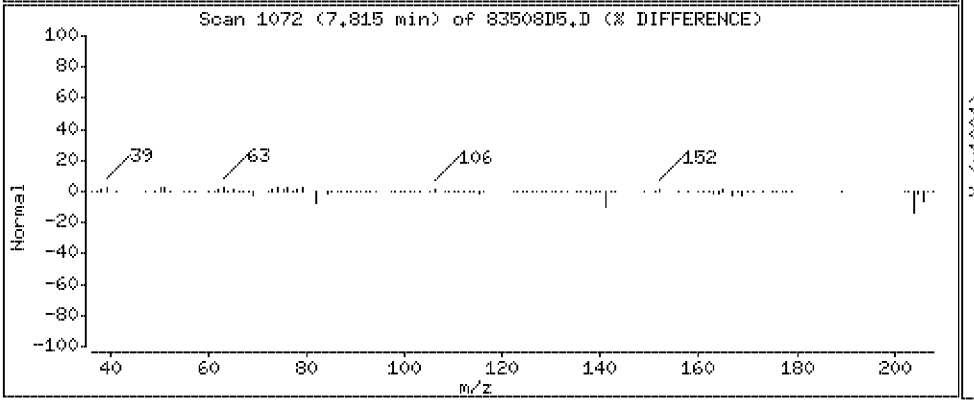












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

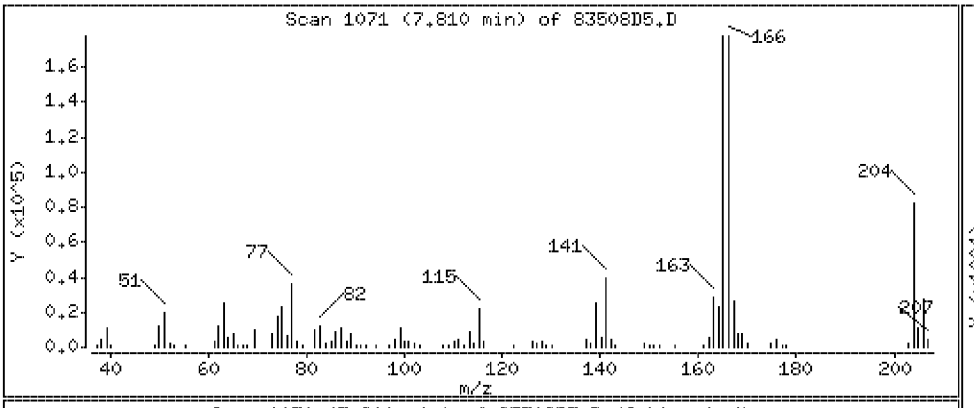
Operator: PEL

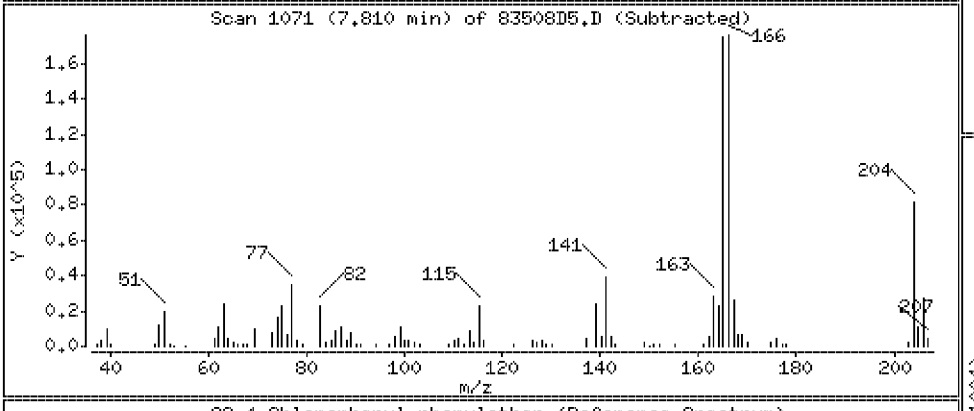
Column phase: HPMS-5

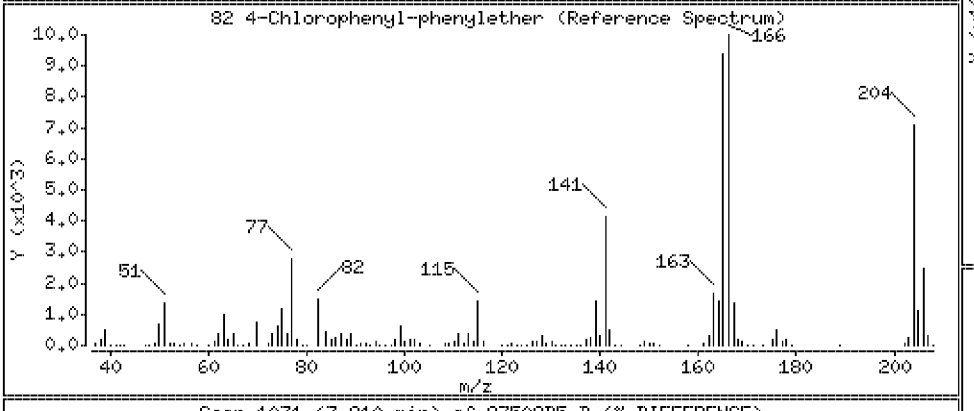
Column diameter: 0.25

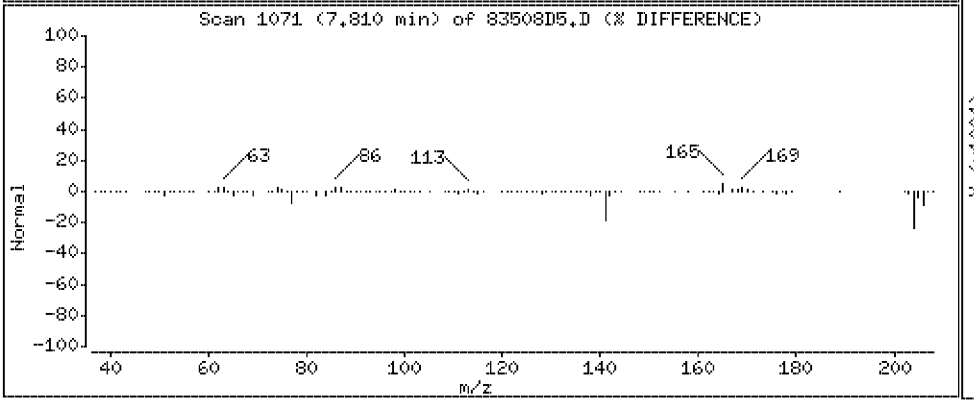
82 4-Chlorophenyl-phenylether

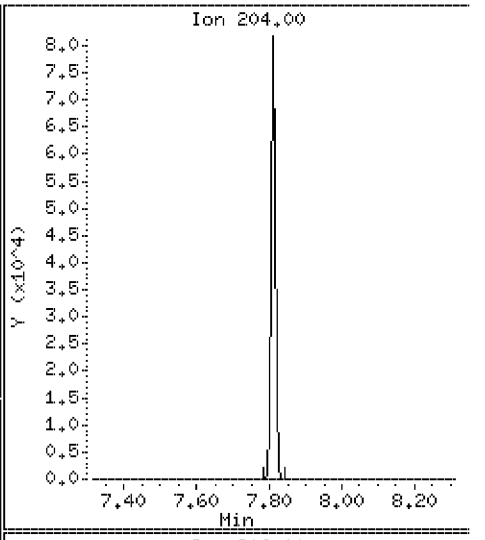
Concentration: 1390 ug/kg

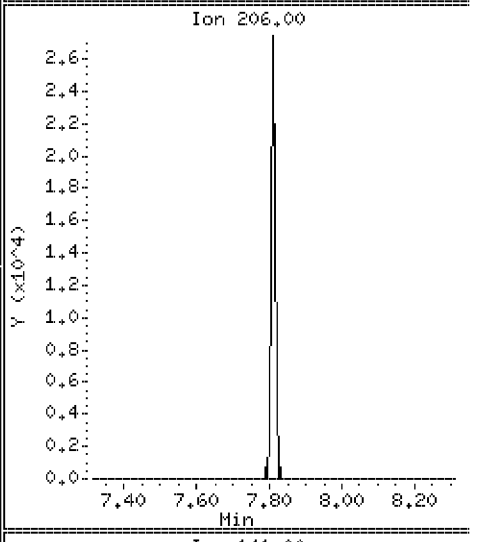


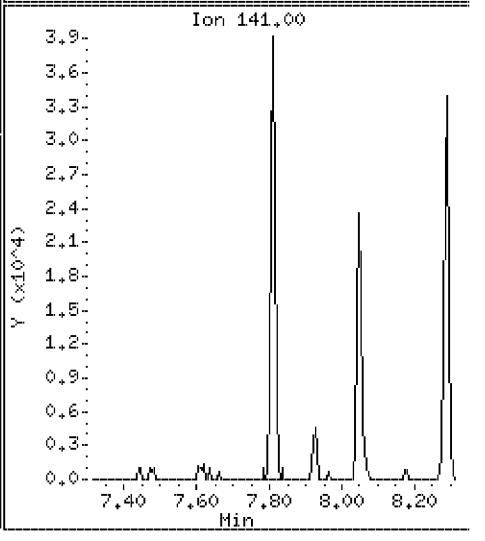












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

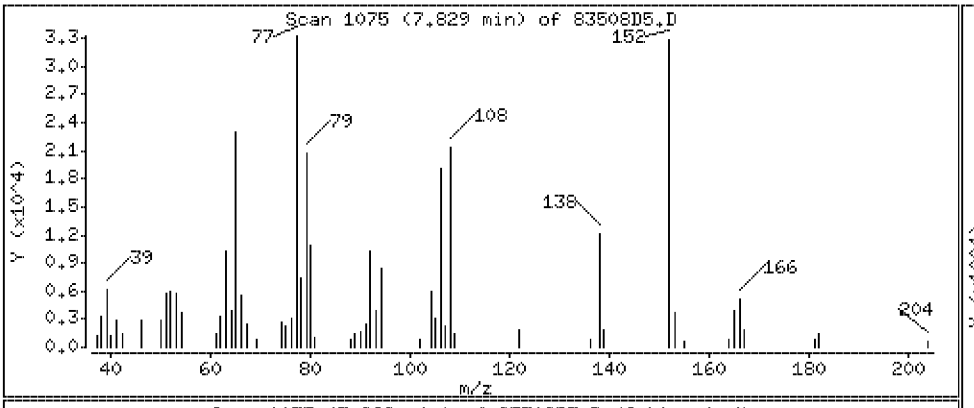
Operator: PEL

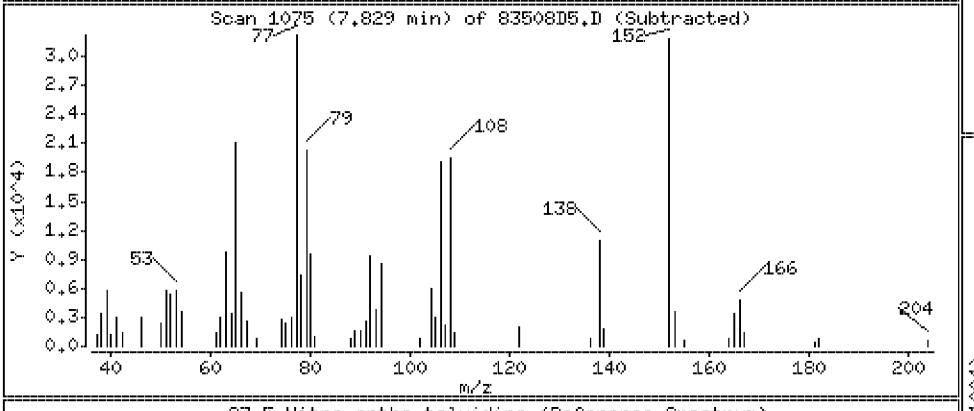
Column phase: HPMS-5

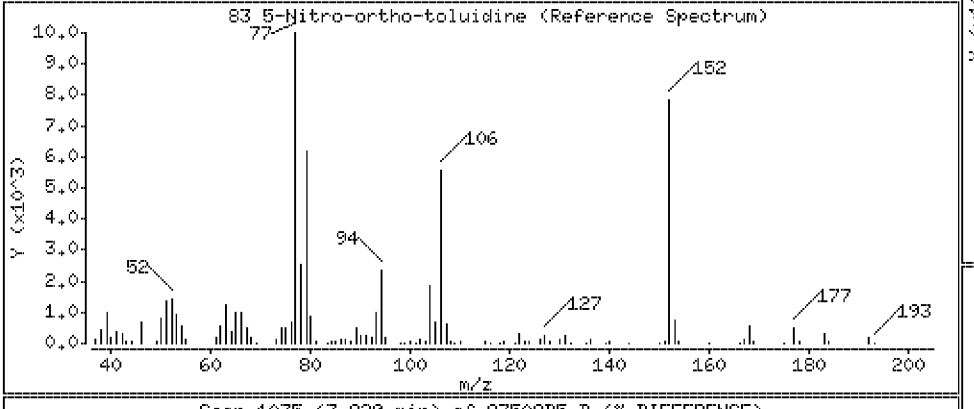
Column diameter: 0.25

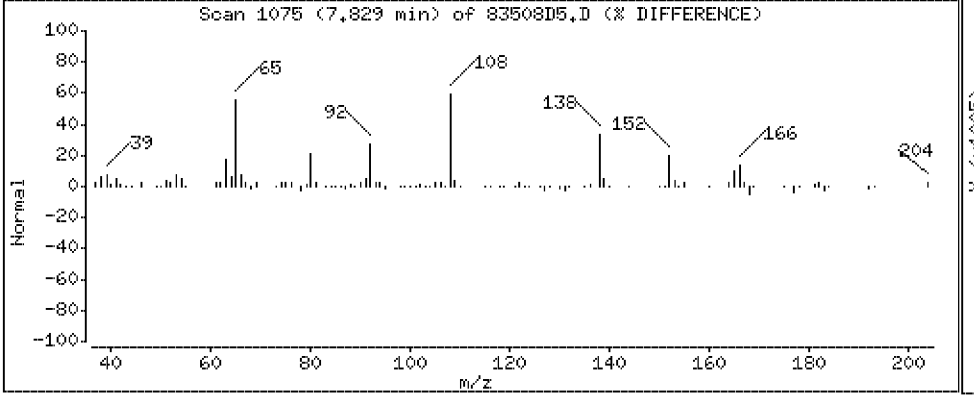
83 5-Nitro-ortho-toluidine

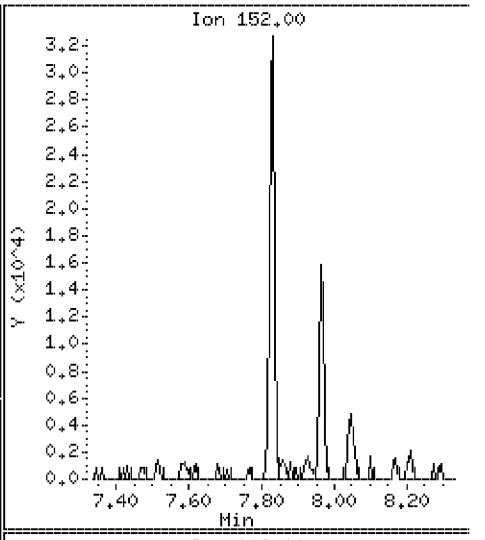
Concentration: 1600 ug/kg

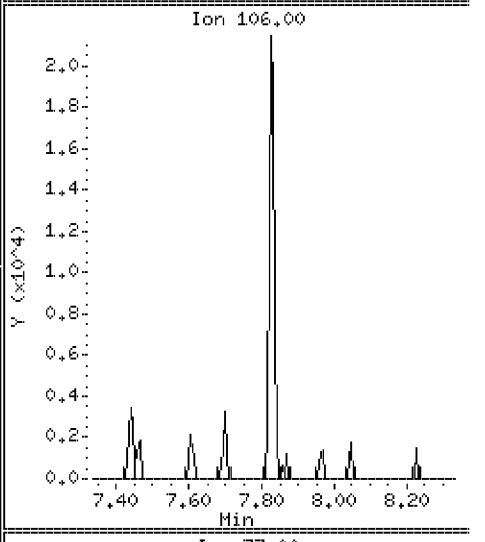


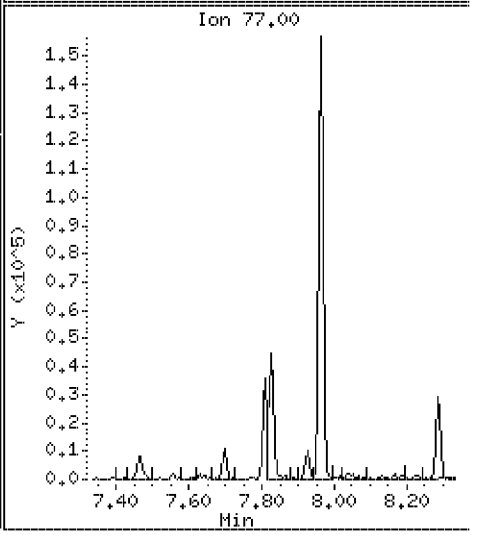












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

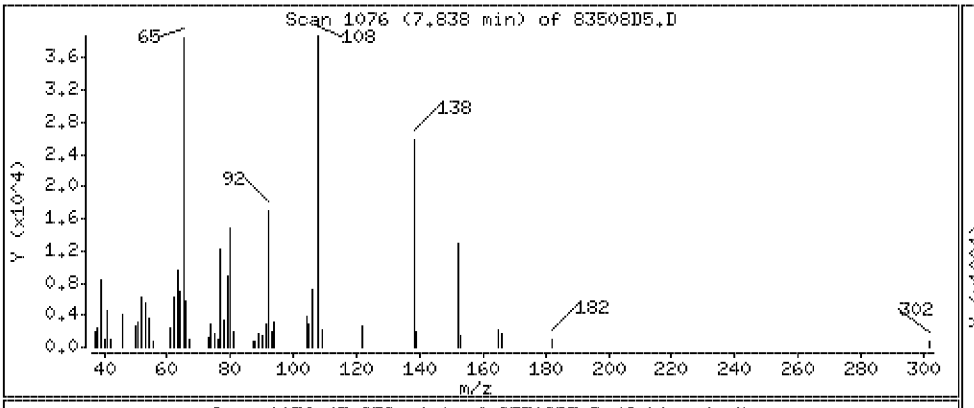
Operator: PEL

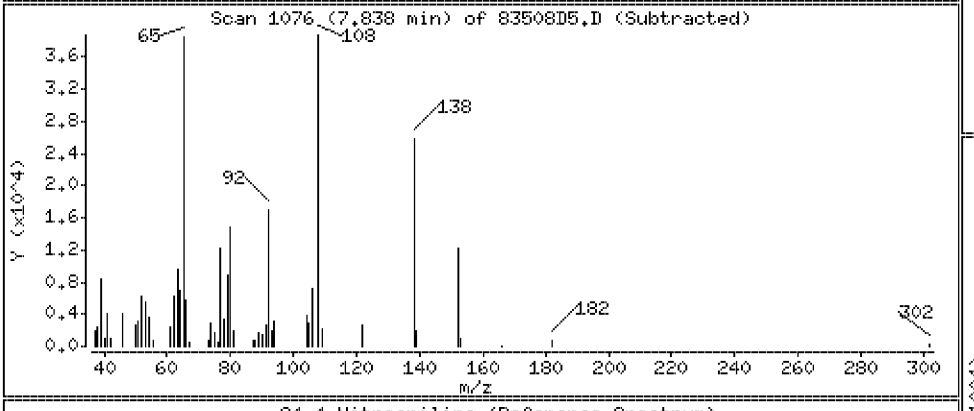
Column phase: HPMS-5

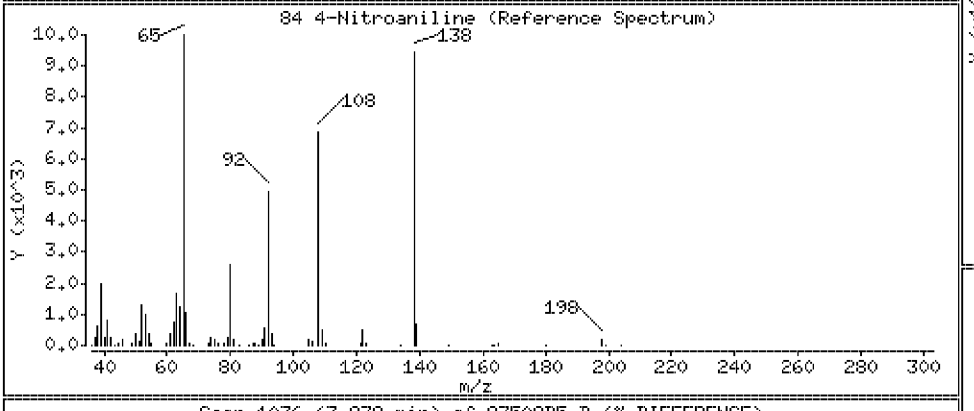
Column diameter: 0.25

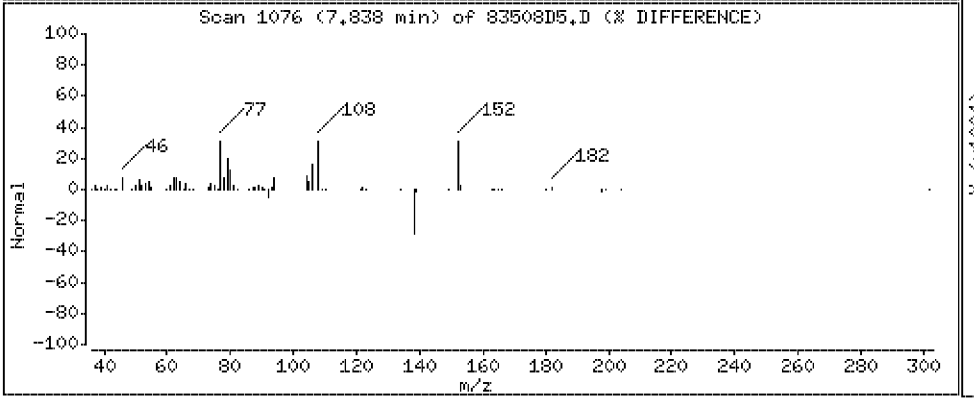
84 4-Nitroaniline

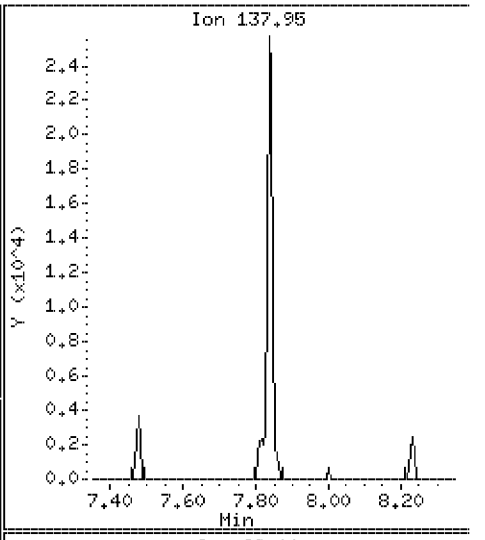
Concentration: 2170 ug/kg

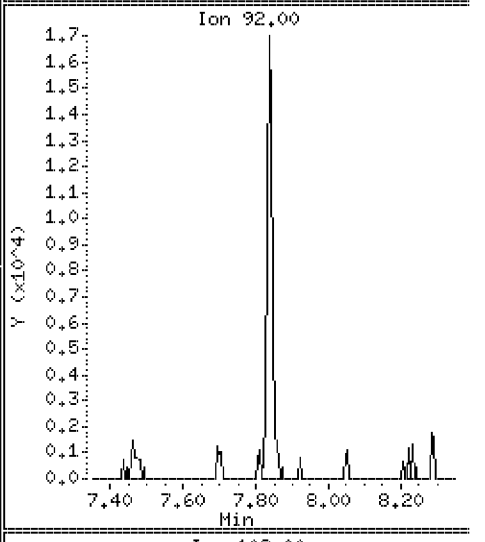


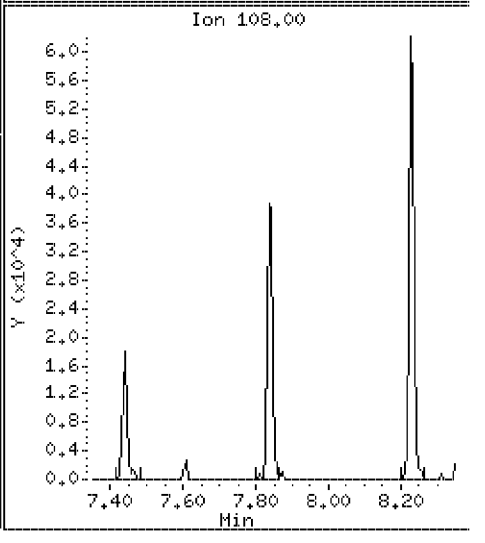












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

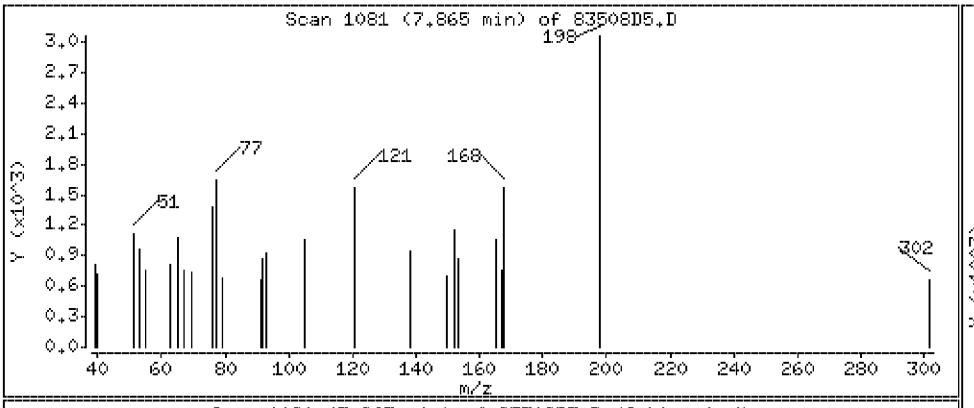
Operator: PEL

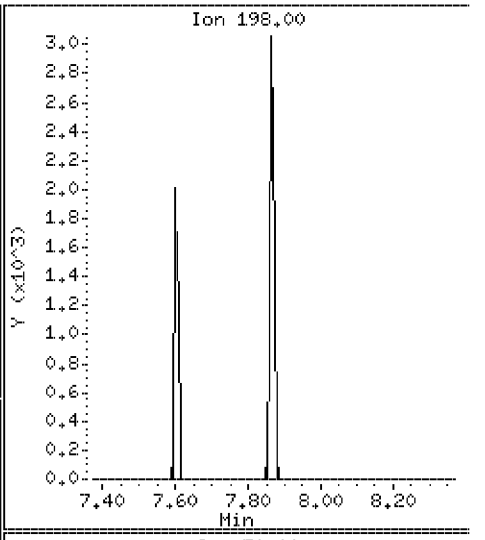
Column phase: HPMS-5

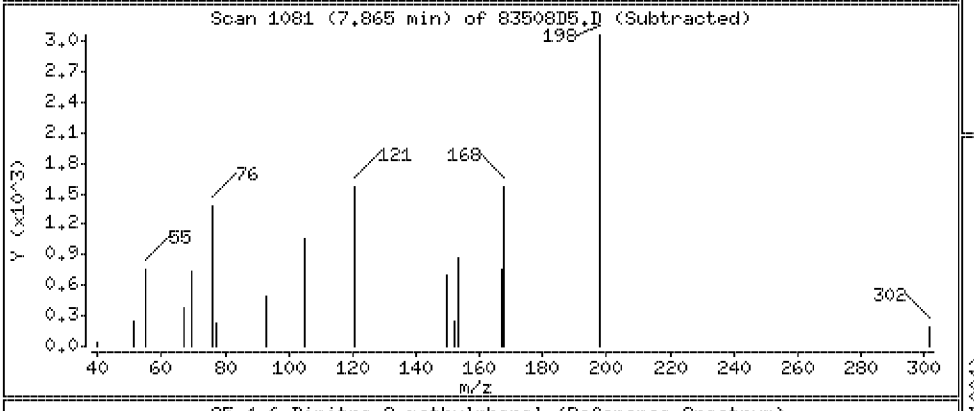
Column diameter: 0.25

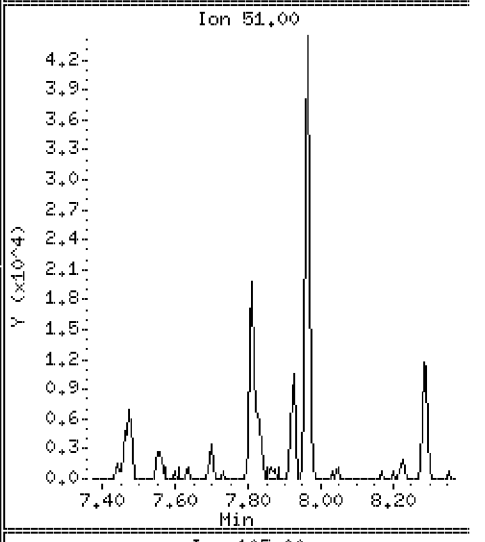
85 4,6-Dinitro-2-methylphenol

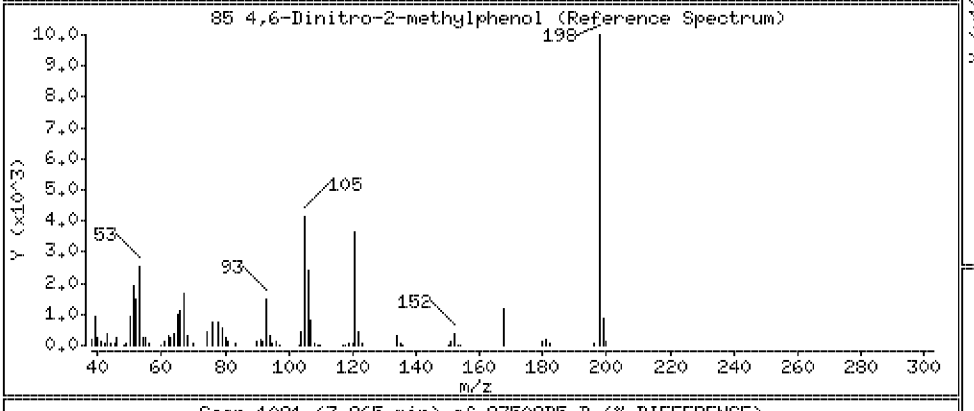
Concentration: 1270 ug/kg

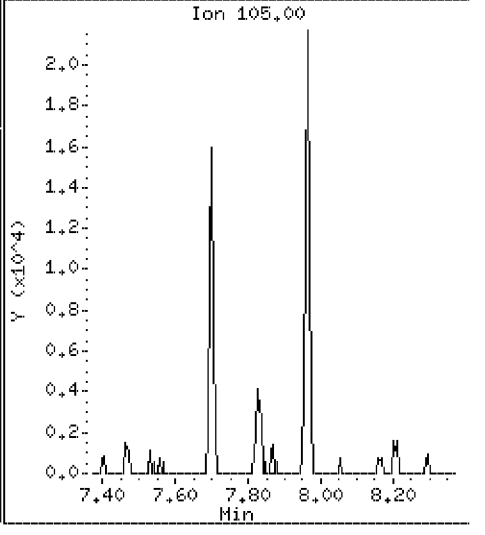


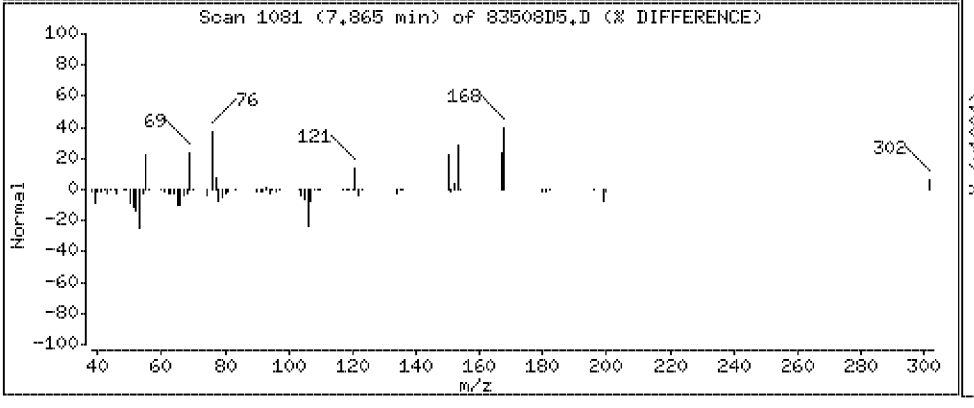












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

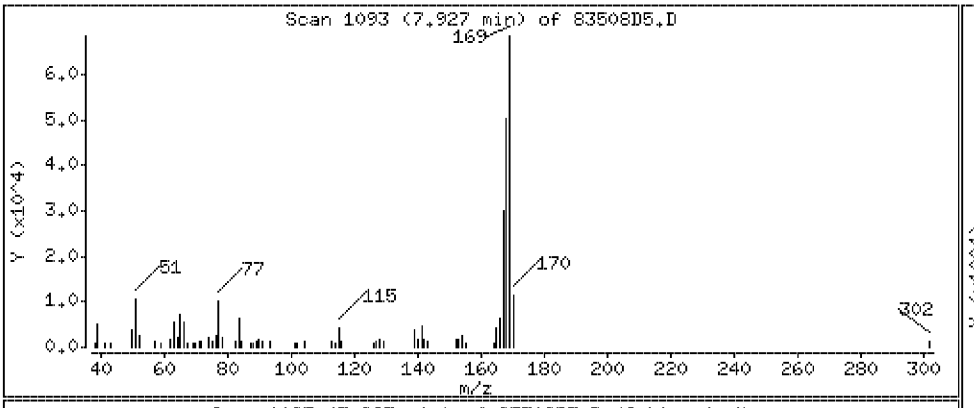
Operator: PEL

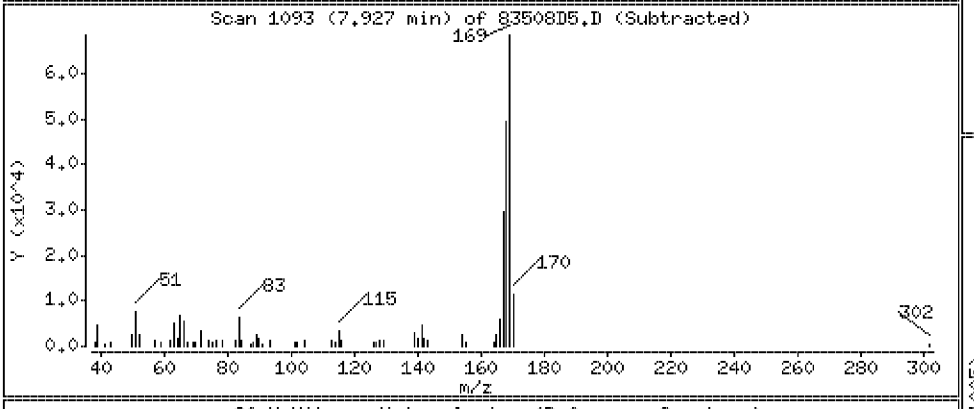
Column phase: HPMS-5

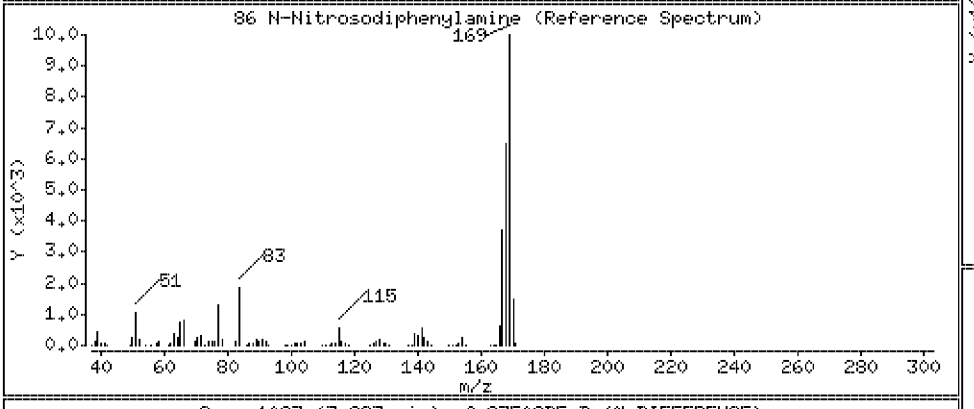
Column diameter: 0.25

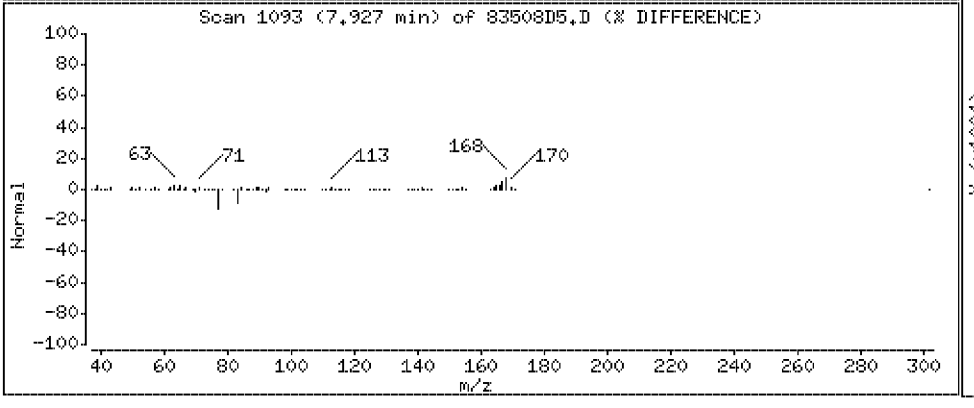
86 N-Nitrosodiphenylamine

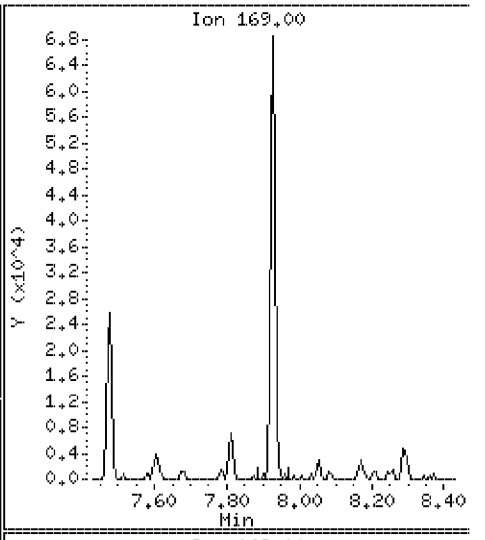
Concentration: 1160 ug/kg

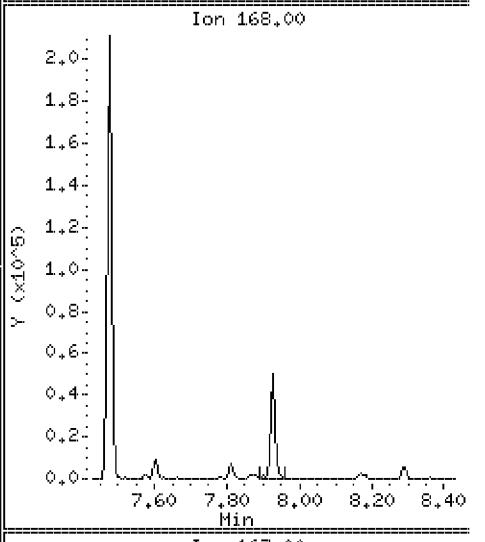


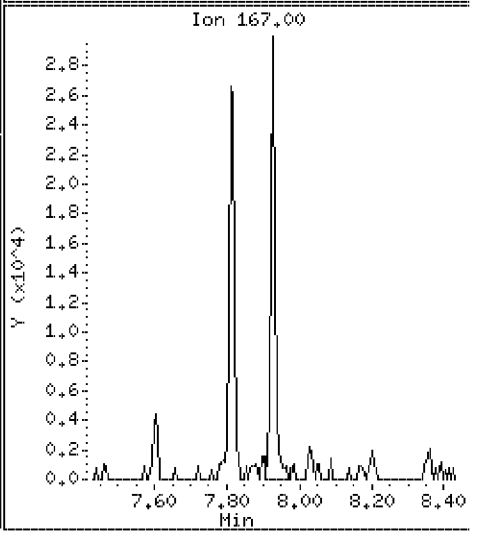












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

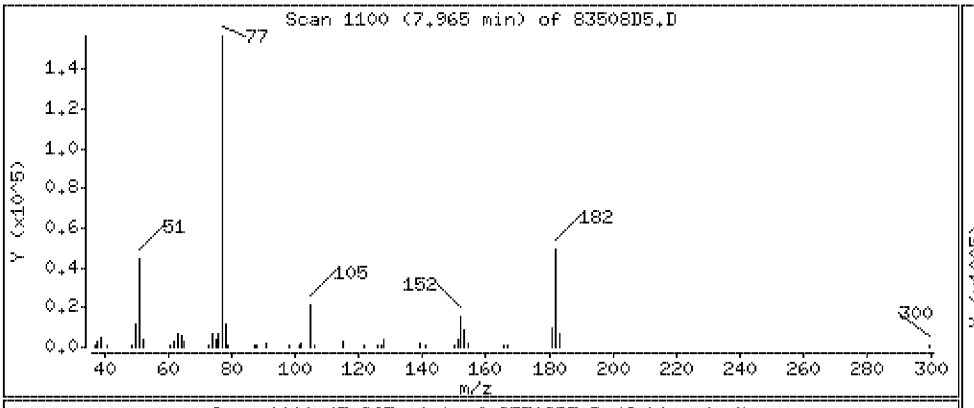
Operator: PEL

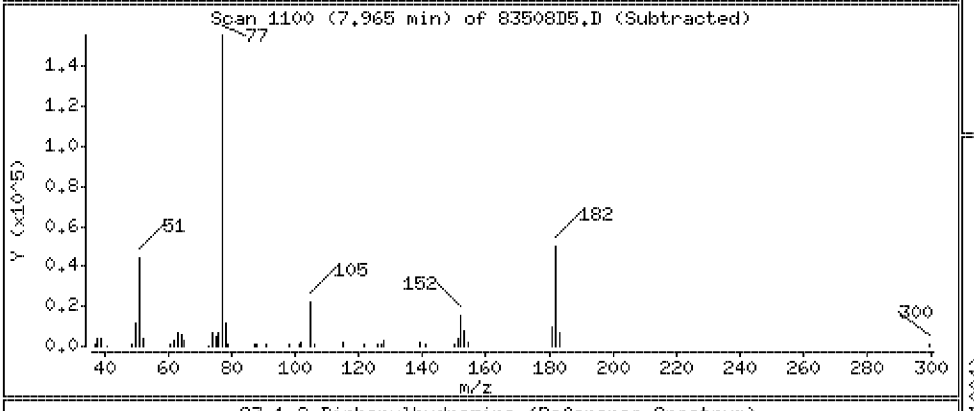
Column phase: HPMS-5

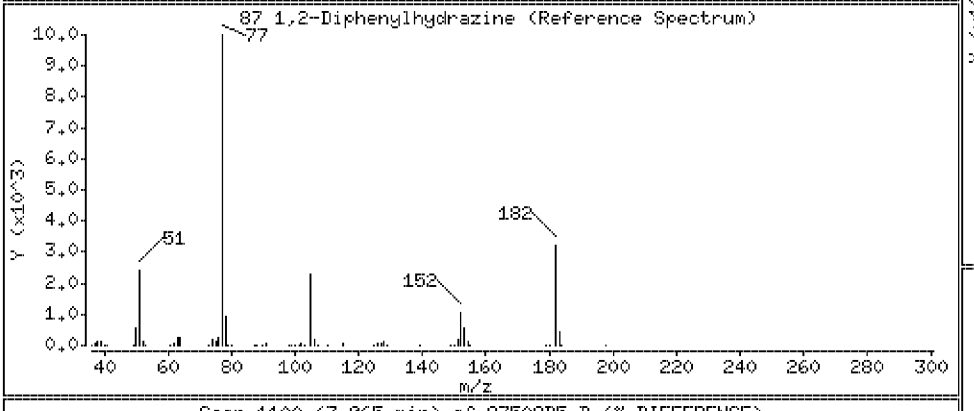
Column diameter: 0.25

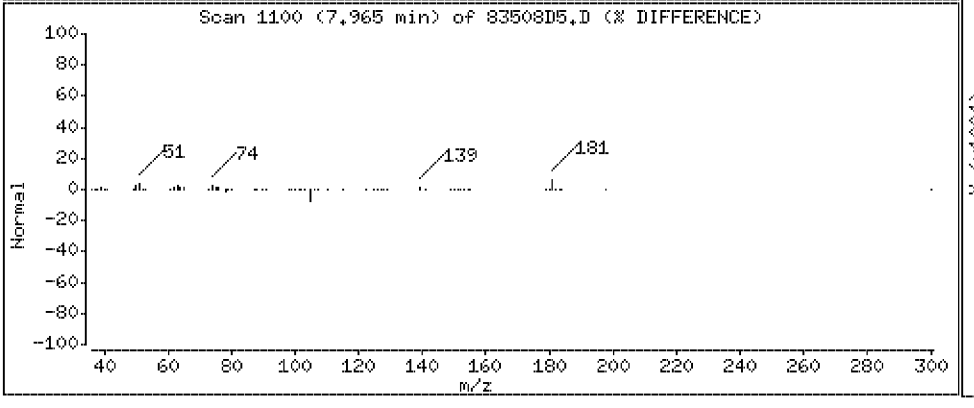
87 1,2-Diphenylhydrazine

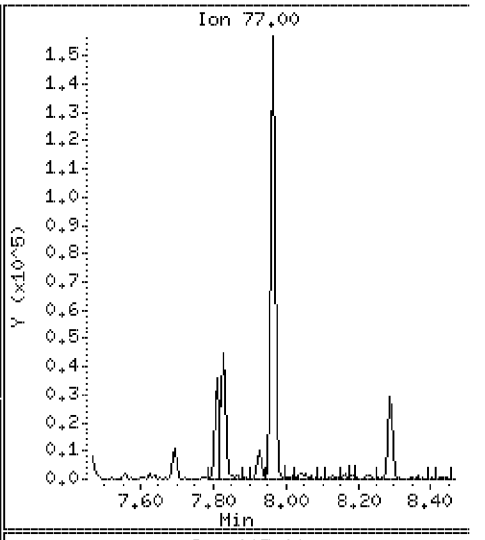
Concentration: 1750 ug/kg

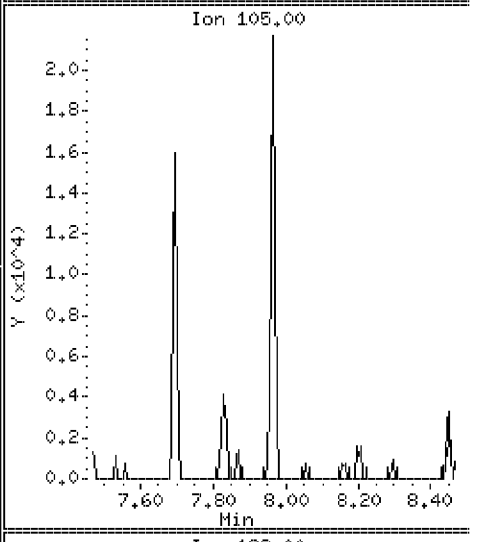


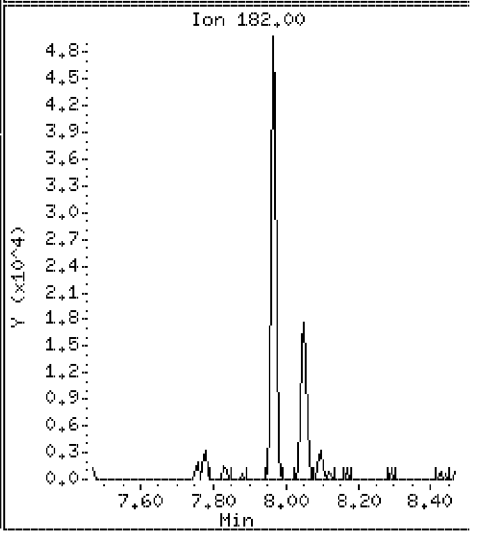












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

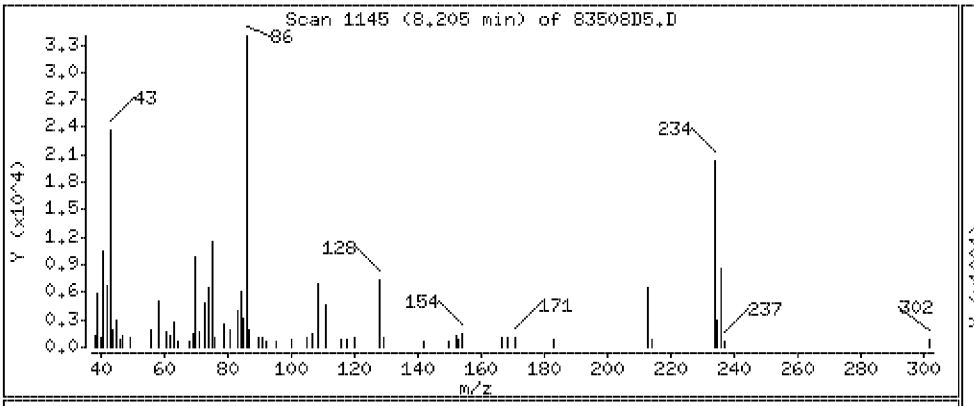
Operator: PEL

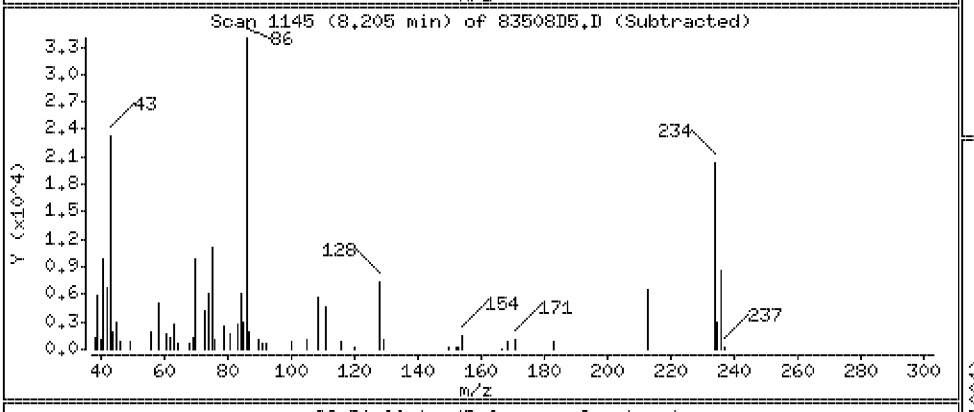
Column phase: HPMS-5

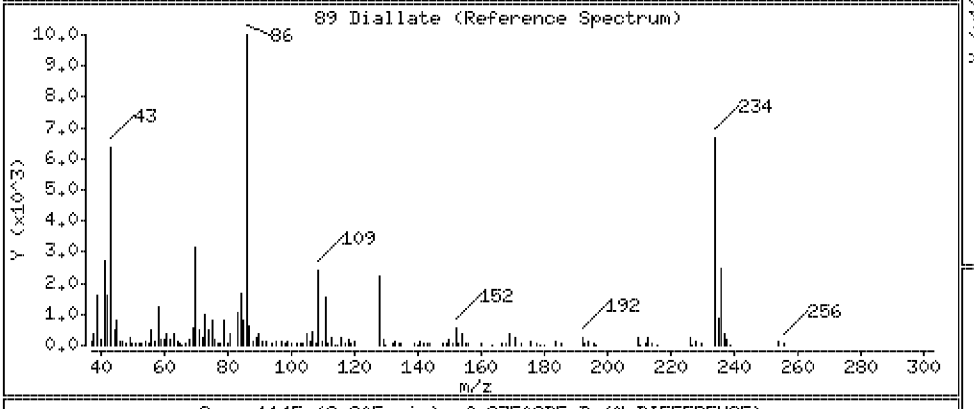
Column diameter: 0.25

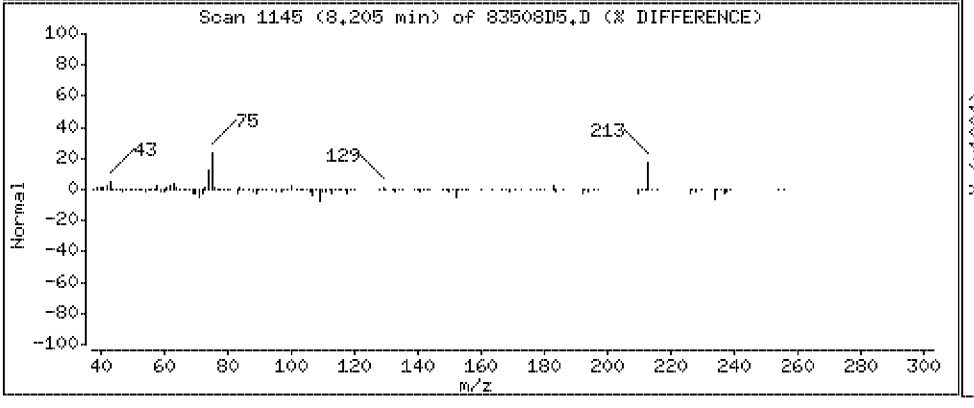
89 Diallate

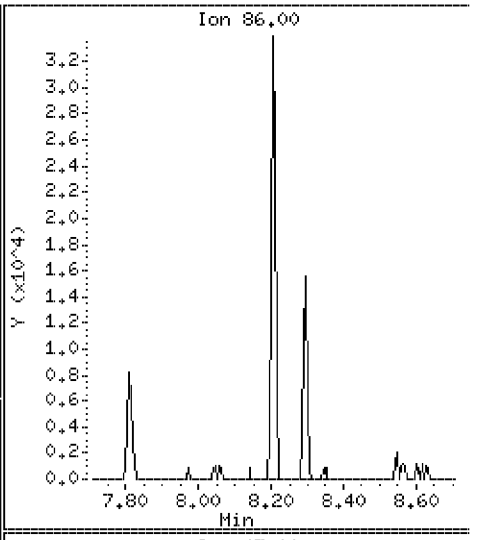
Concentration: 1450 ug/kg

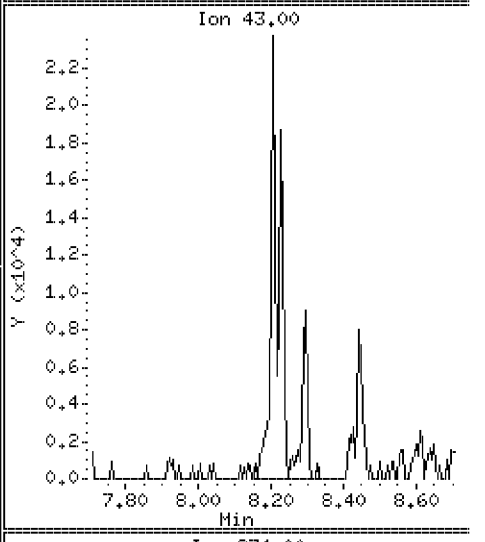


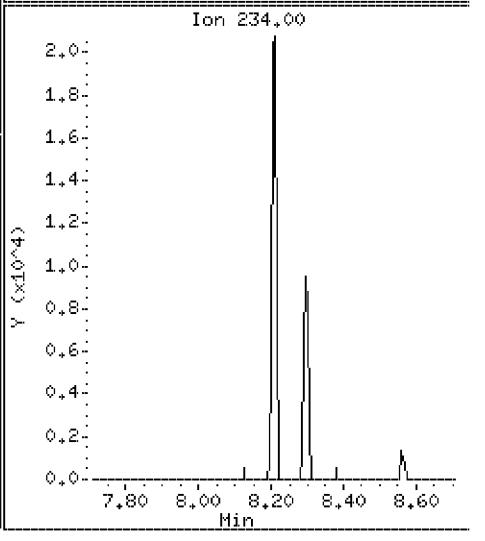












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

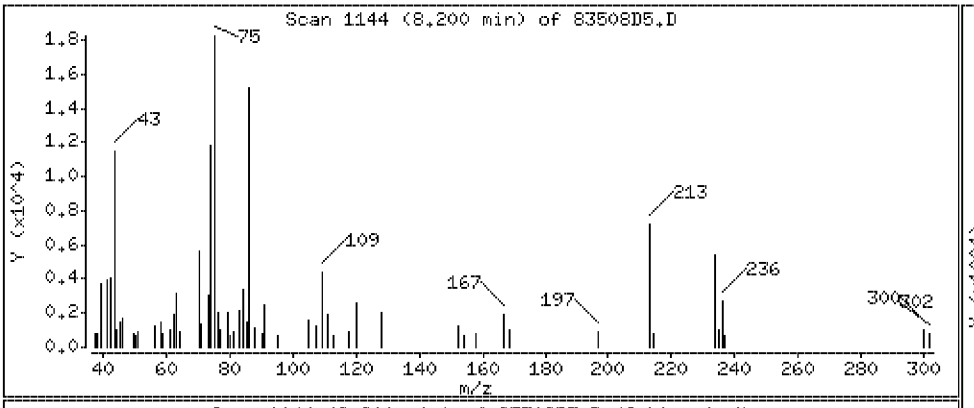
Operator: PEL

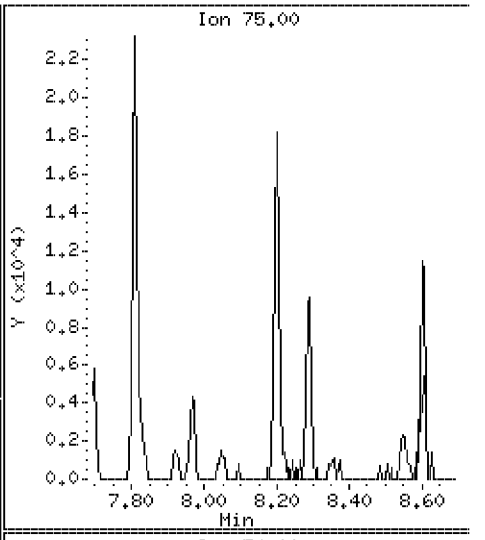
Column phase: HPMS-5

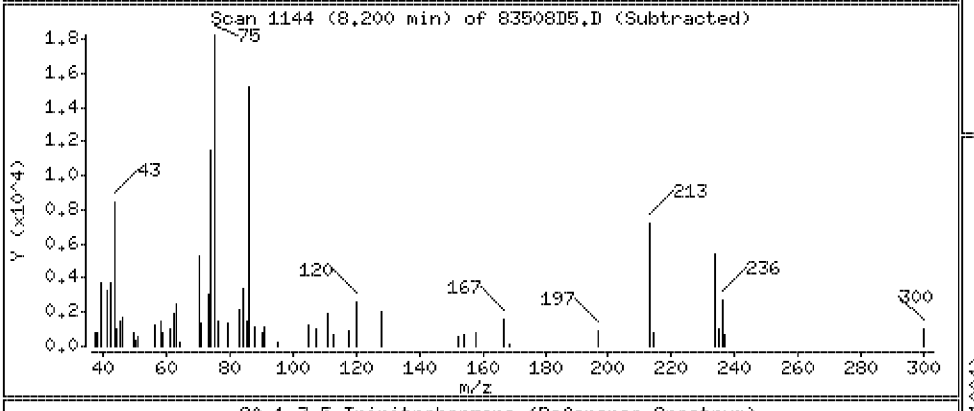
Column diameter: 0.25

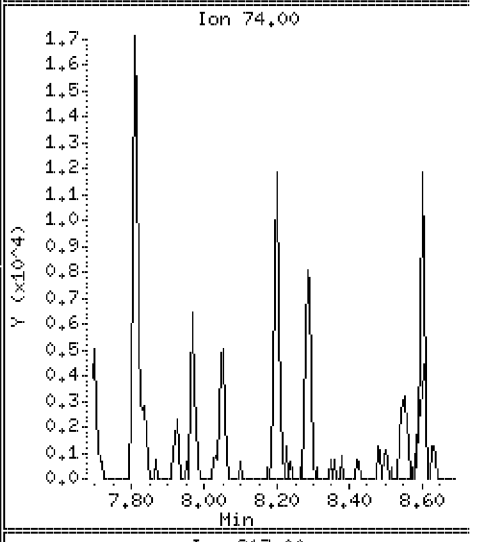
90 1,3,5-Trinitrobenzene

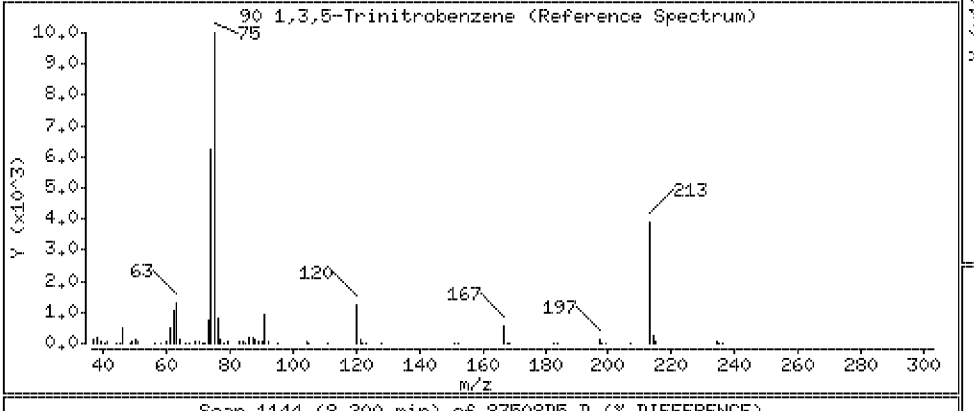
Concentration: 1320 ug/kg

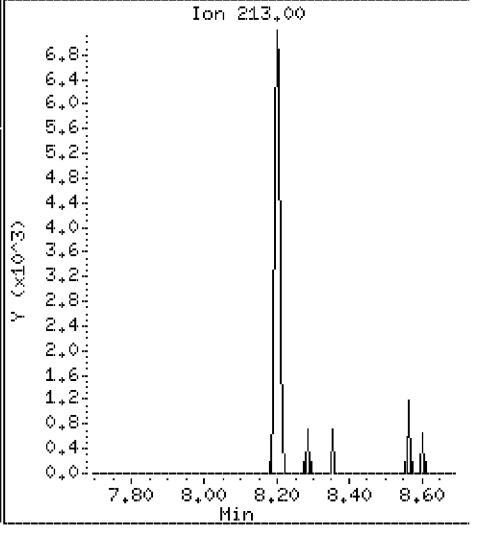


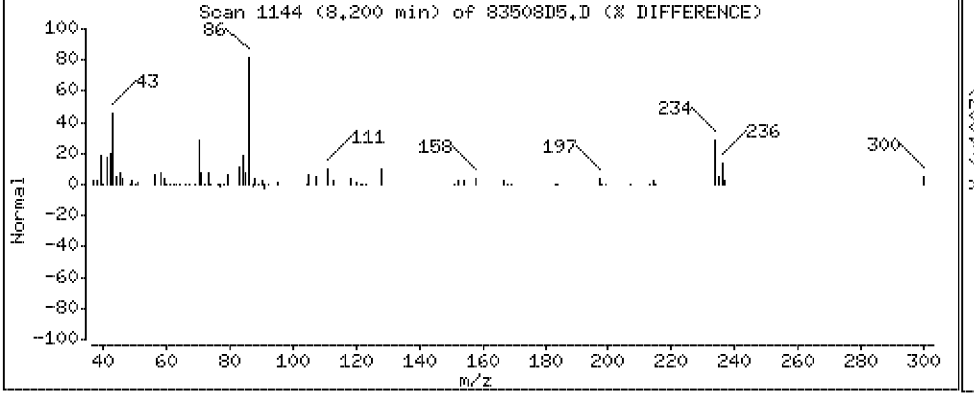












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

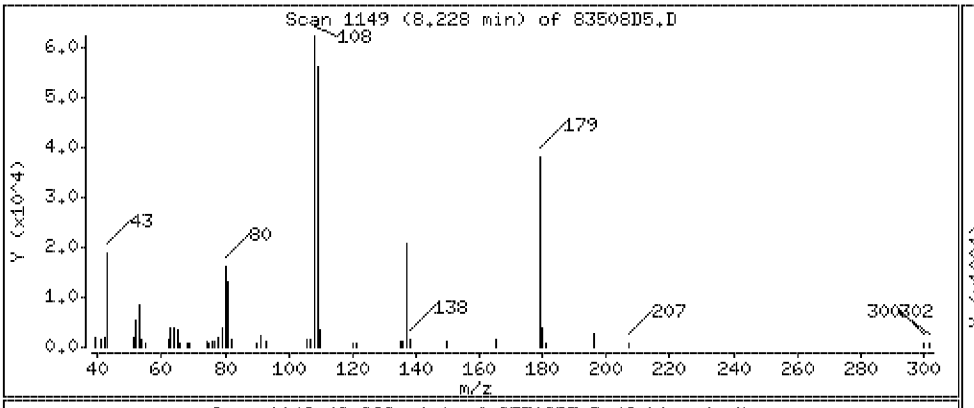
Operator: PEL

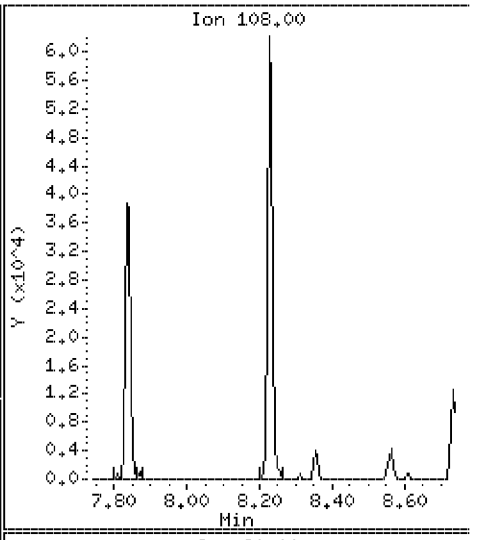
Column phase: HPMS-5

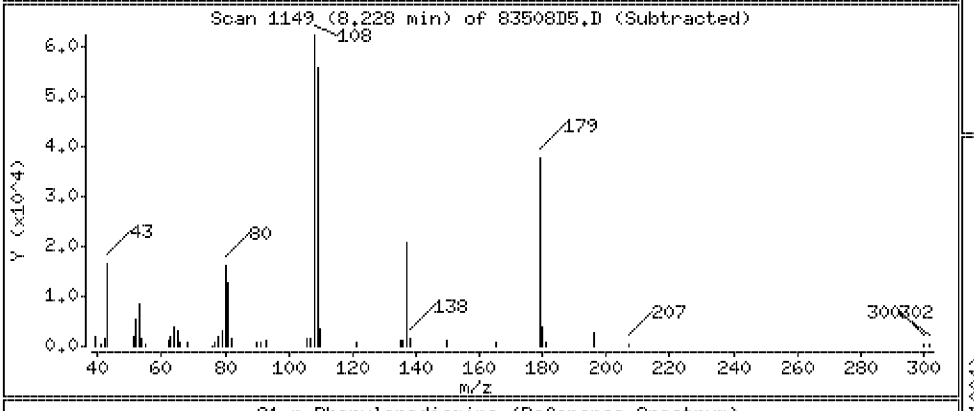
Column diameter: 0.25

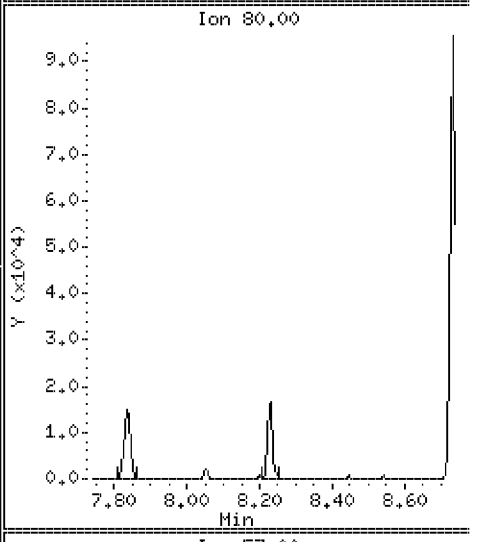
91 p-Phenylenediamine

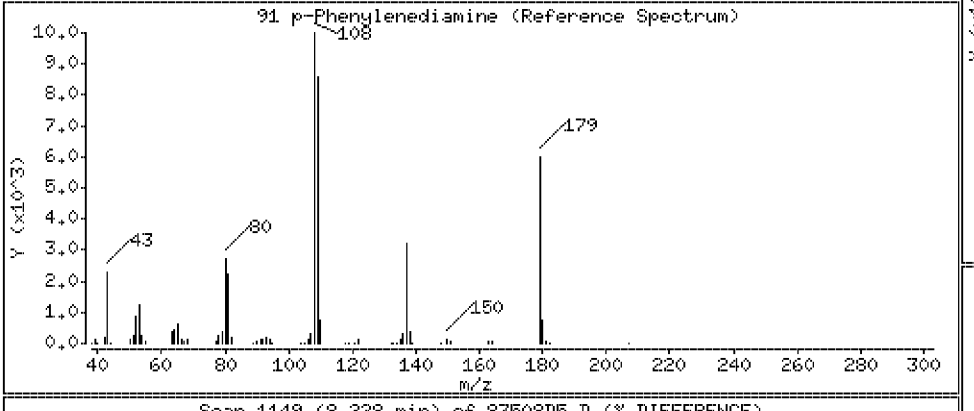
Concentration: 1760 ug/kg

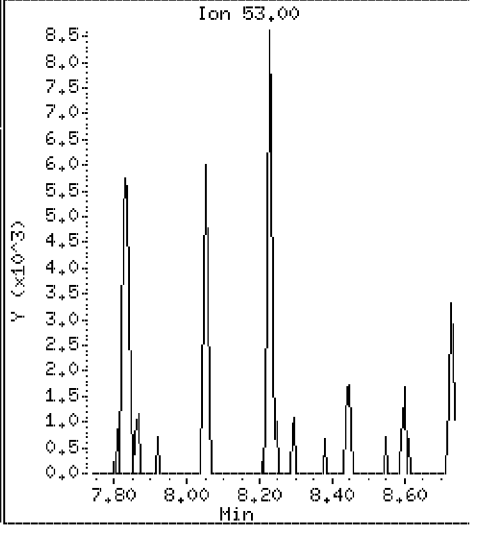


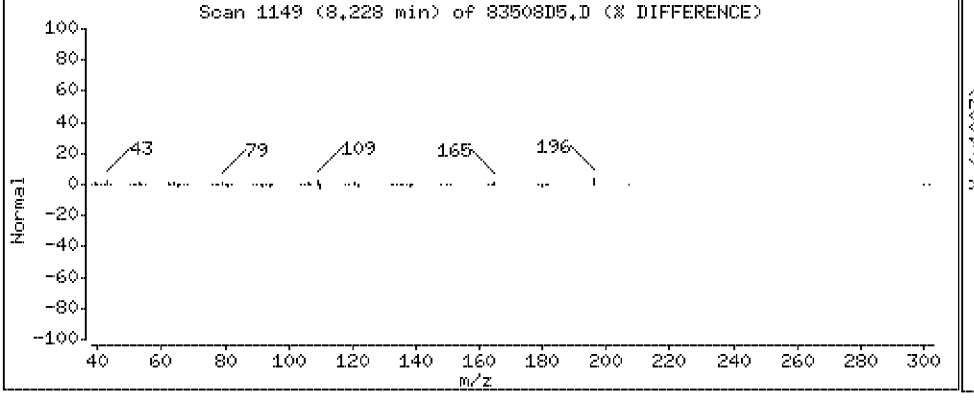












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

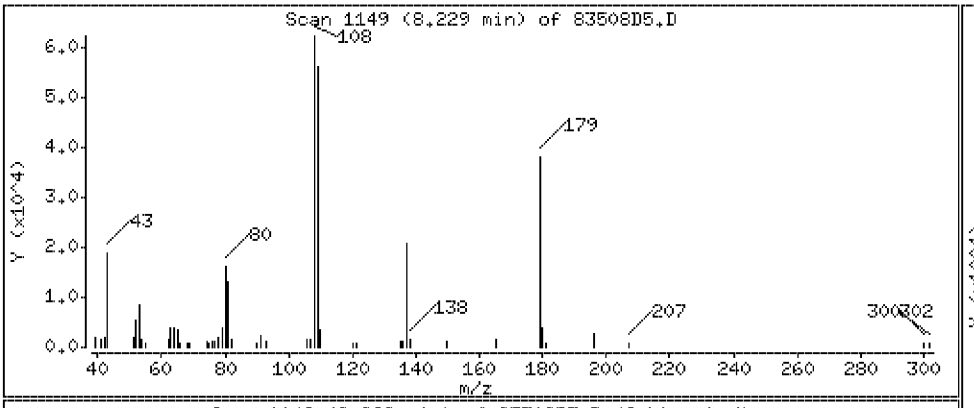
Operator: PEL

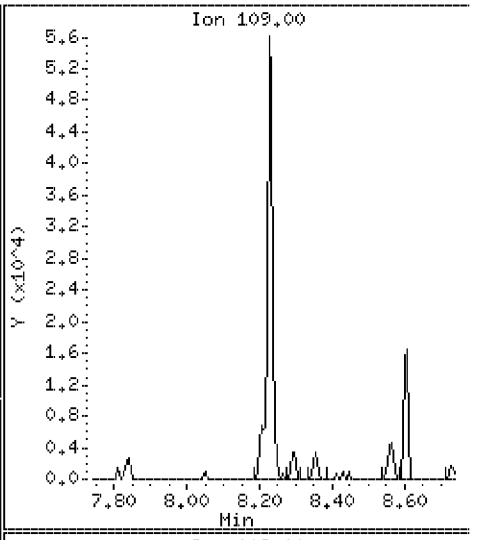
Column phase: HPMS-5

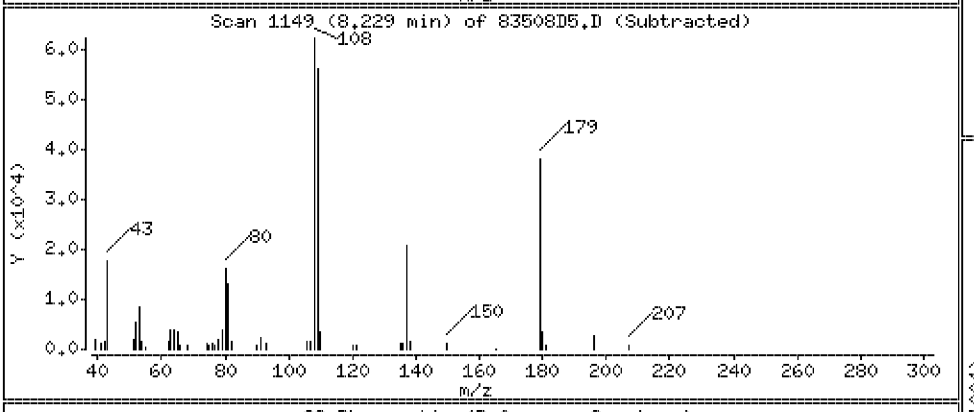
Column diameter: 0.25

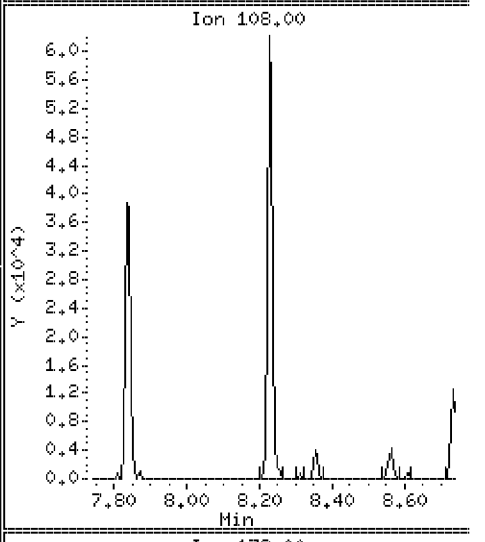
92 Phenacetin

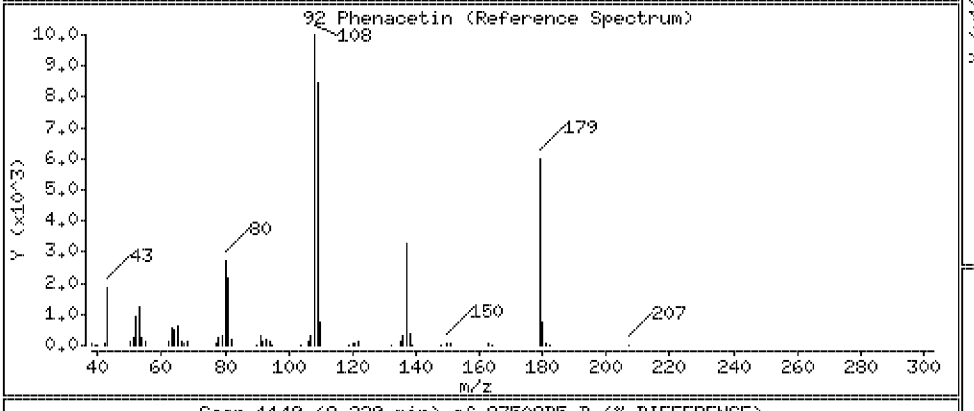
Concentration: 1950 ug/kg

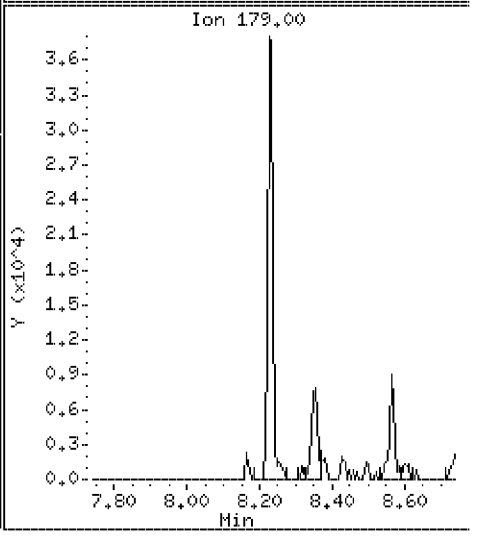


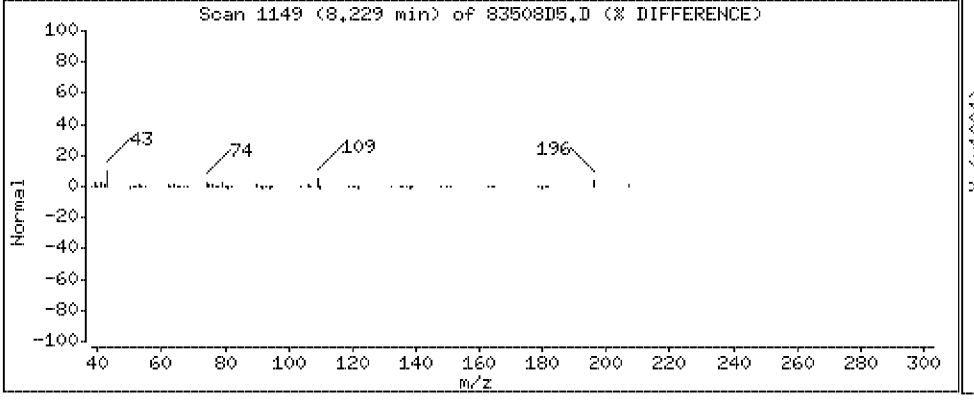












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

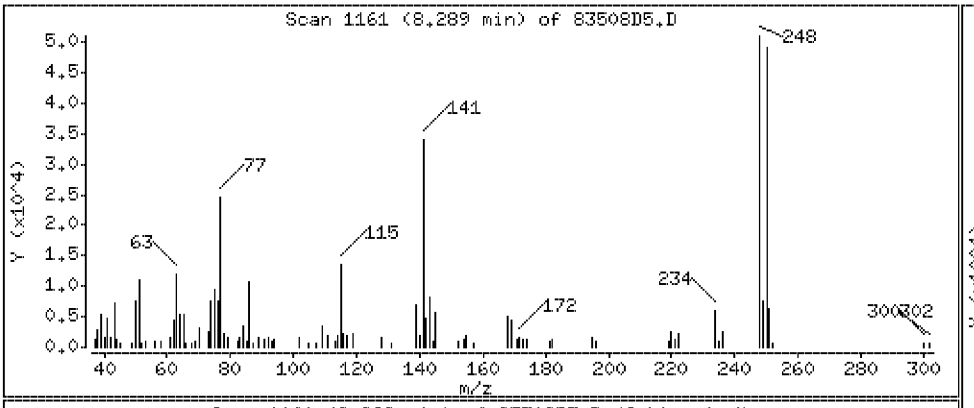
Operator: PEL

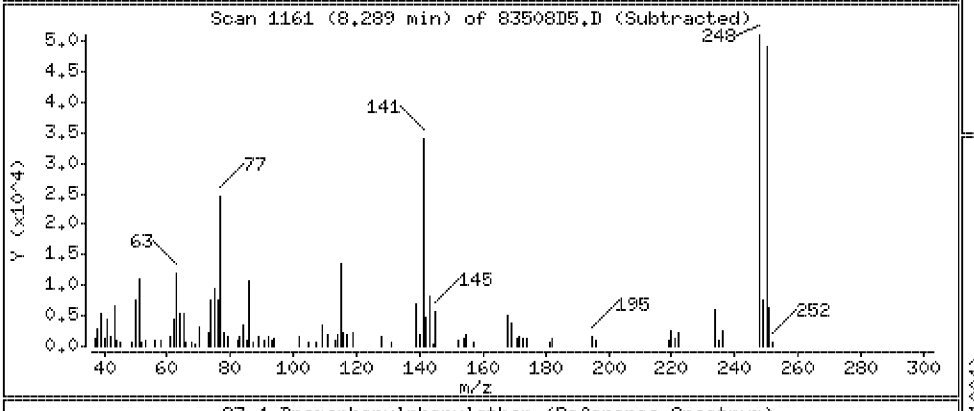
Column phase: HPMS-5

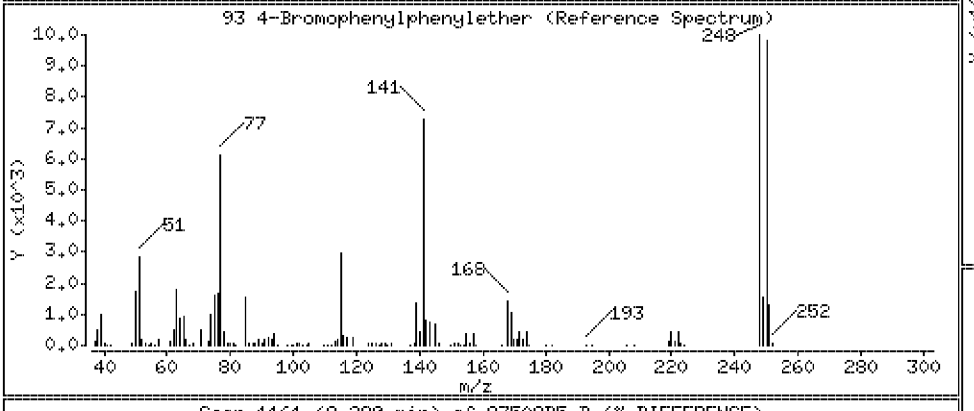
Column diameter: 0.25

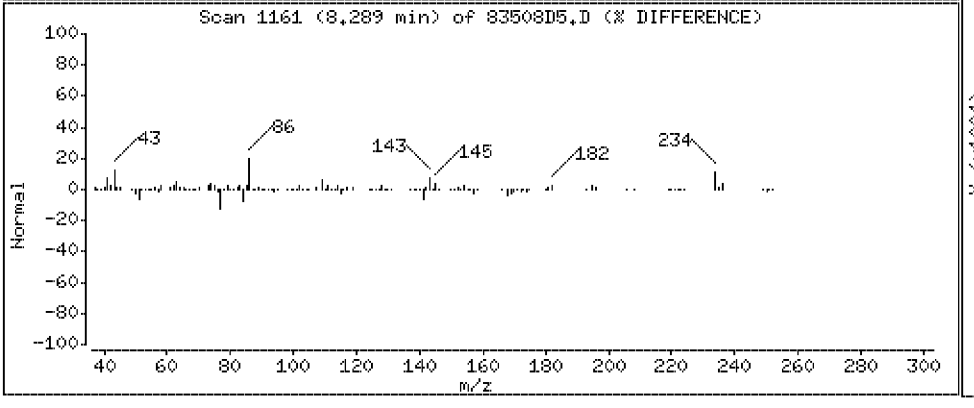
93 4-Bromophenylphenylether

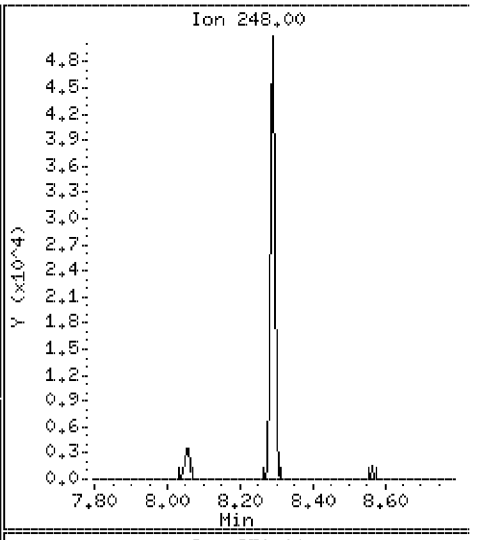
Concentration: 1440 ug/kg

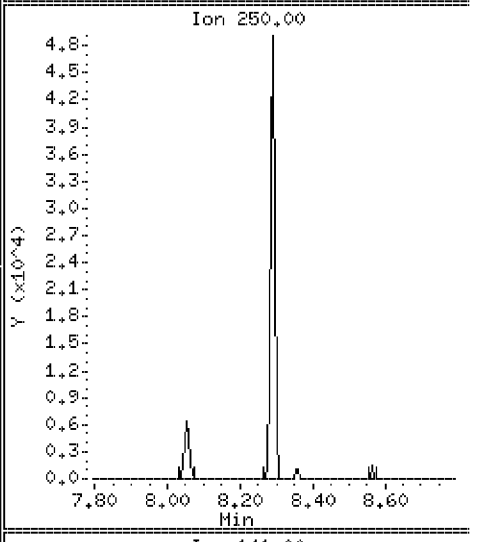


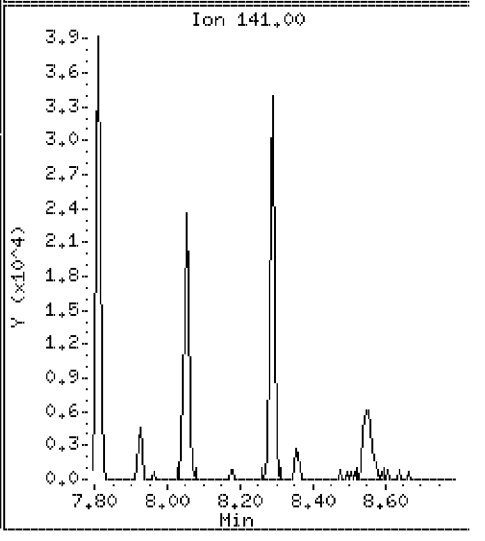












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

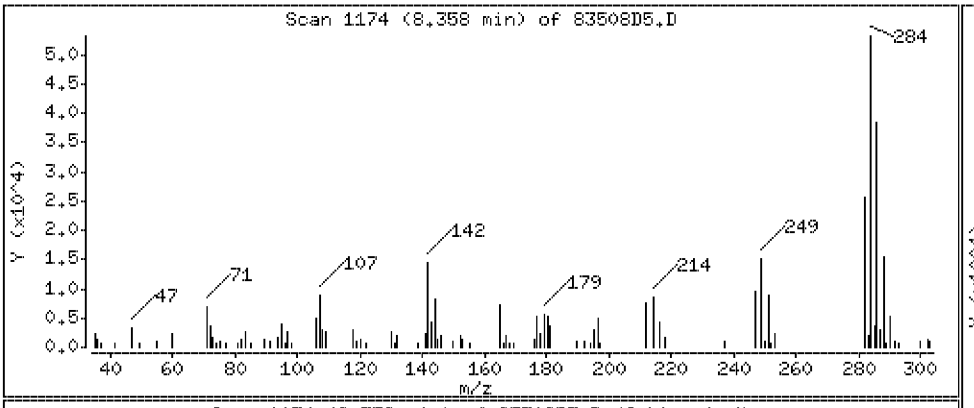
Operator: PEL

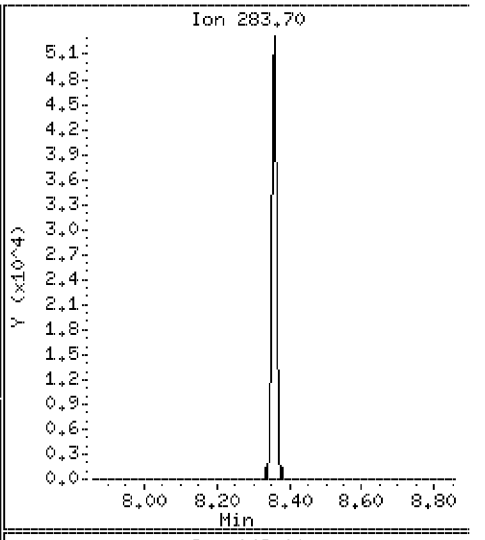
Column phase: HPMS-5

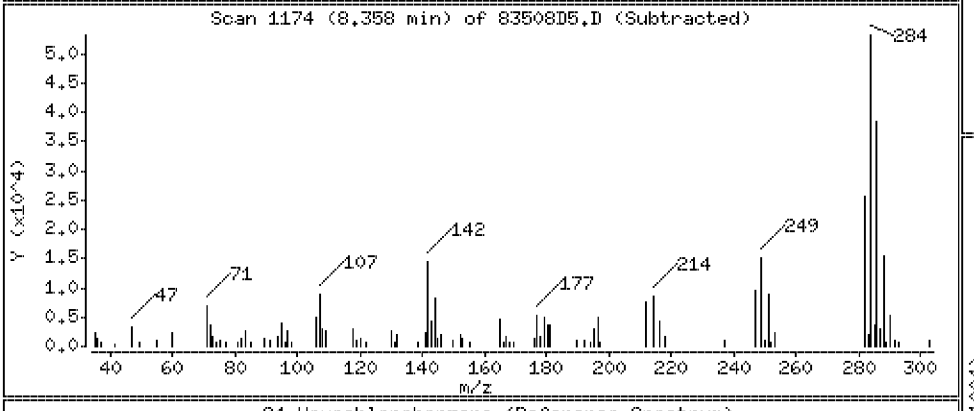
Column diameter: 0.25

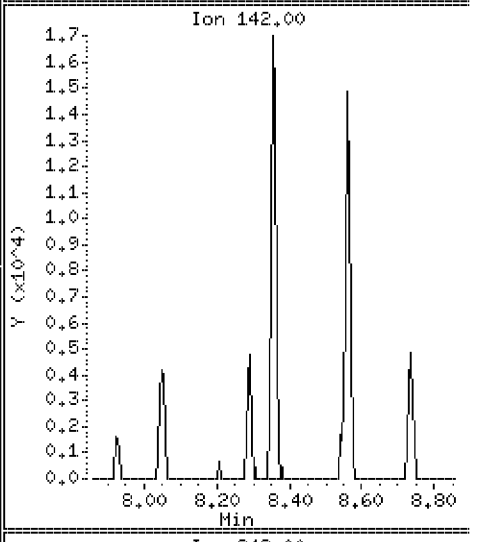
94 Hexachlorobenzene

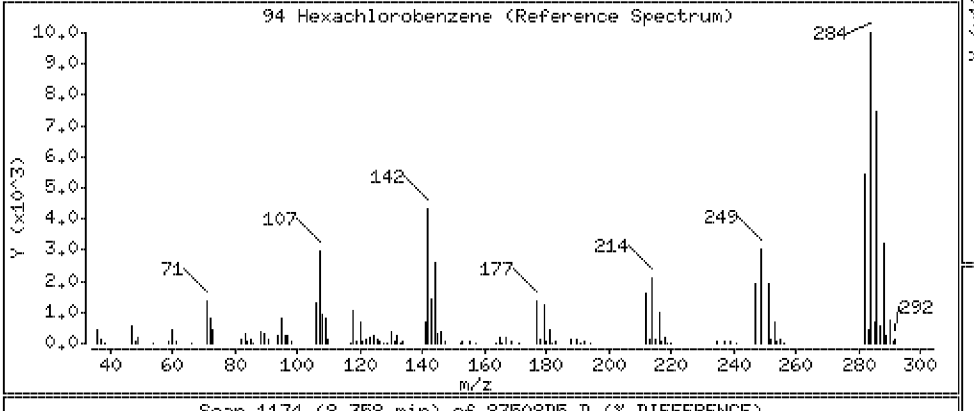
Concentration: 1350 ug/kg

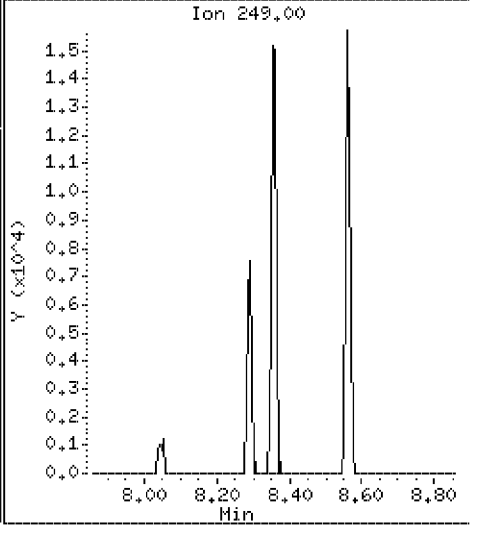


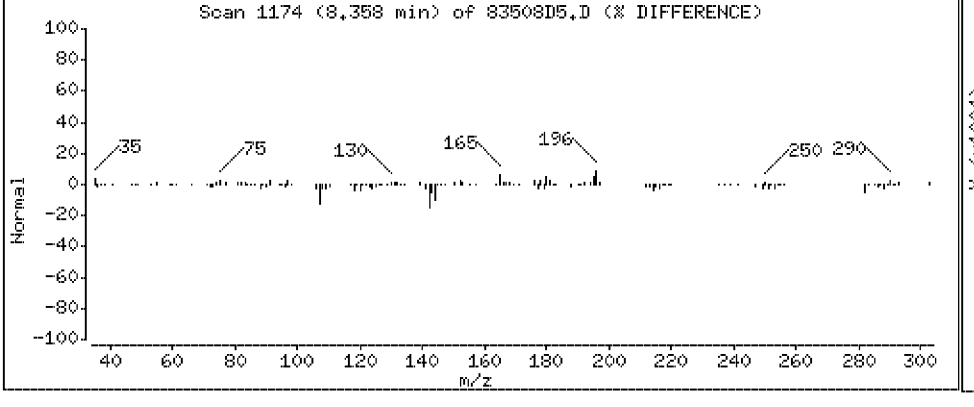












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

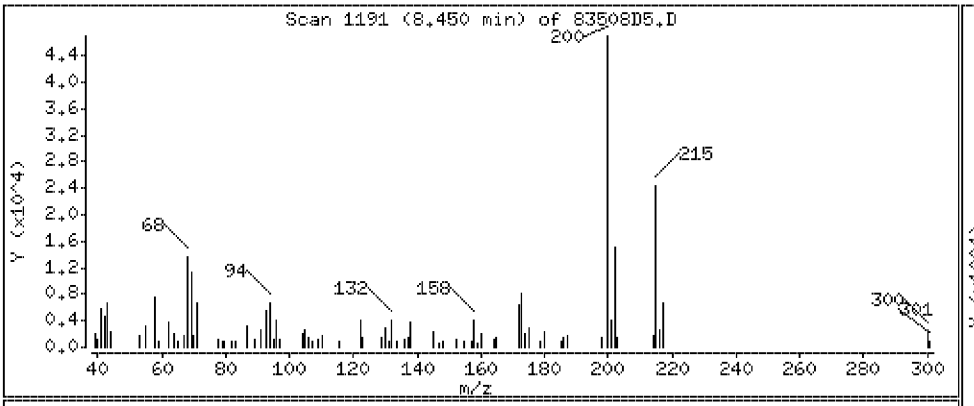
Operator: PEL

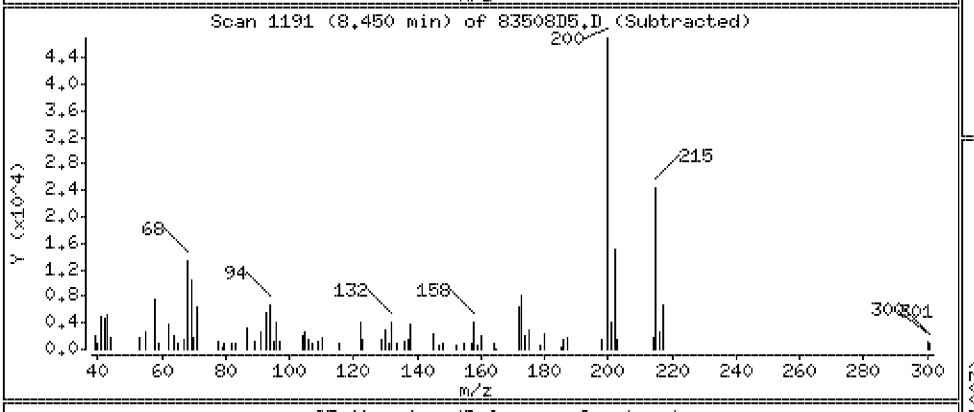
Column phase: HPMS-5

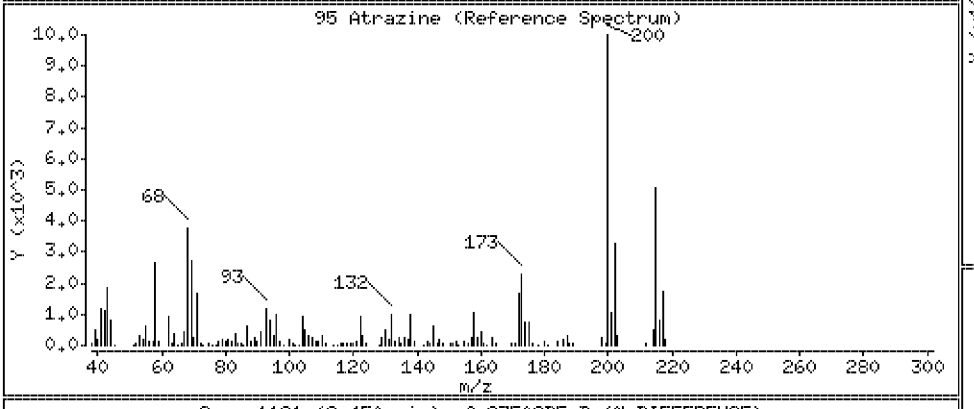
Column diameter: 0.25

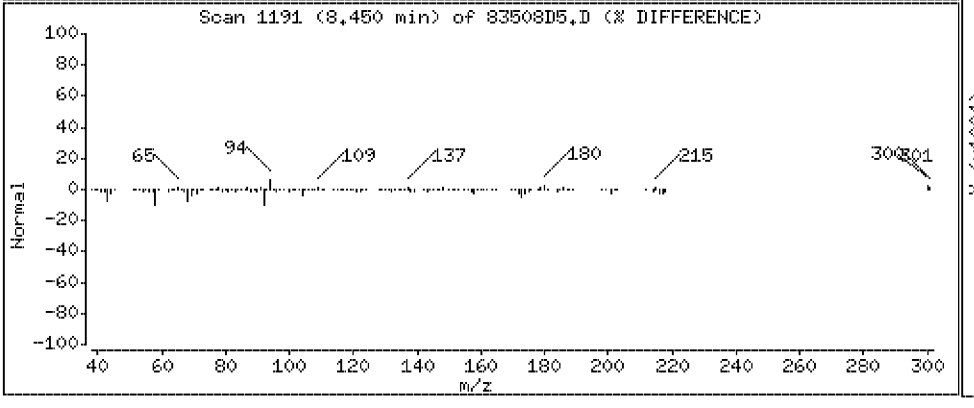
95 Atrazine

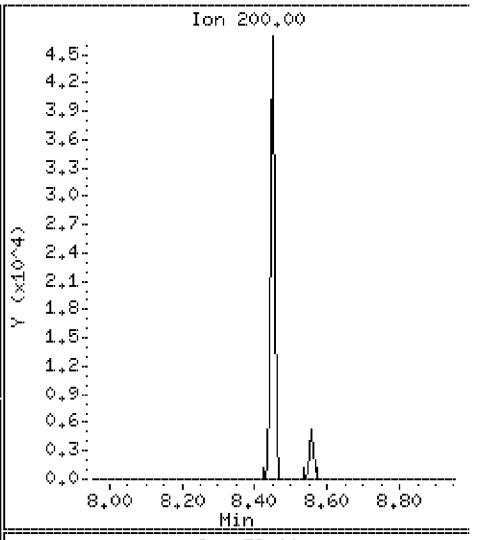
Concentration: 1320 ug/kg

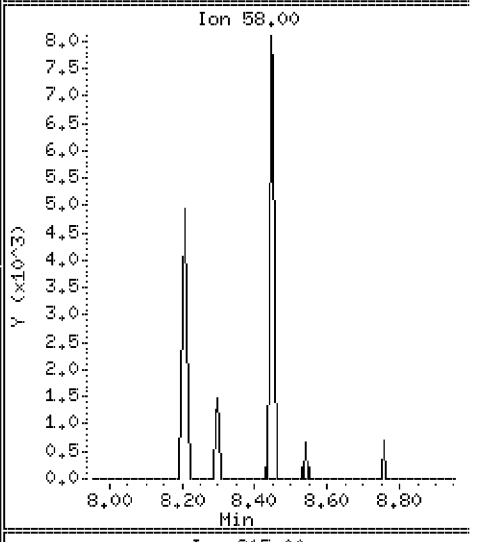


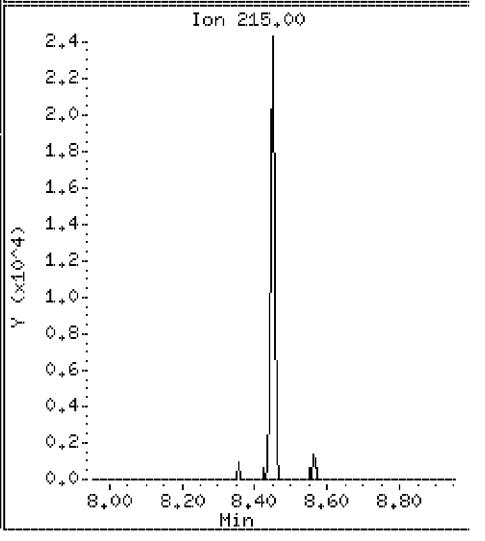












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

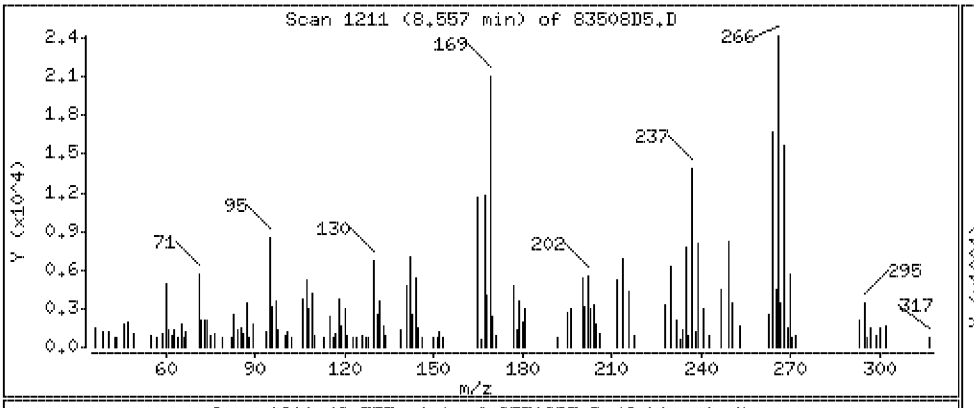
Operator: PEL

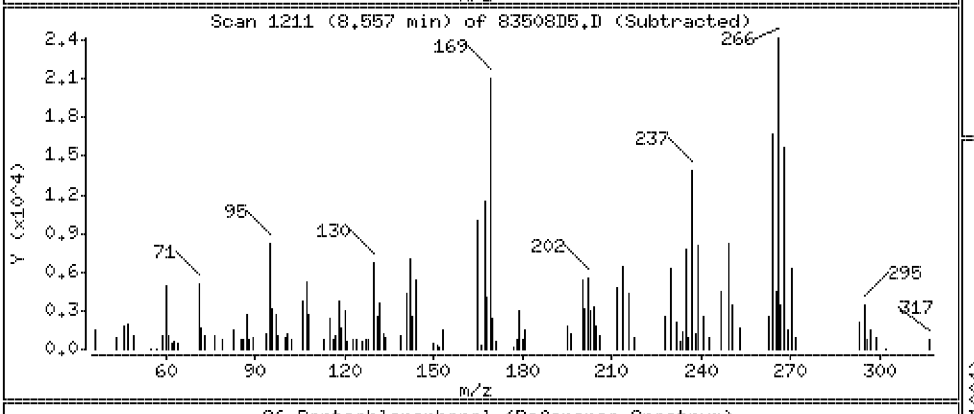
Column phase: HPMS-5

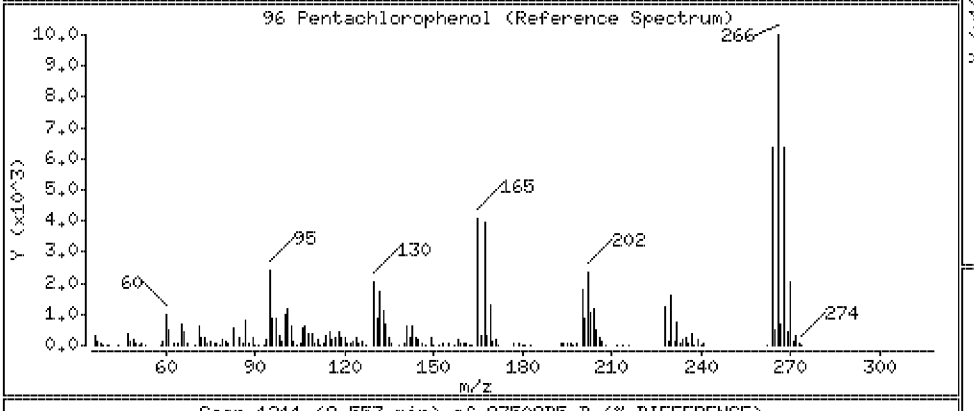
Column diameter: 0.25

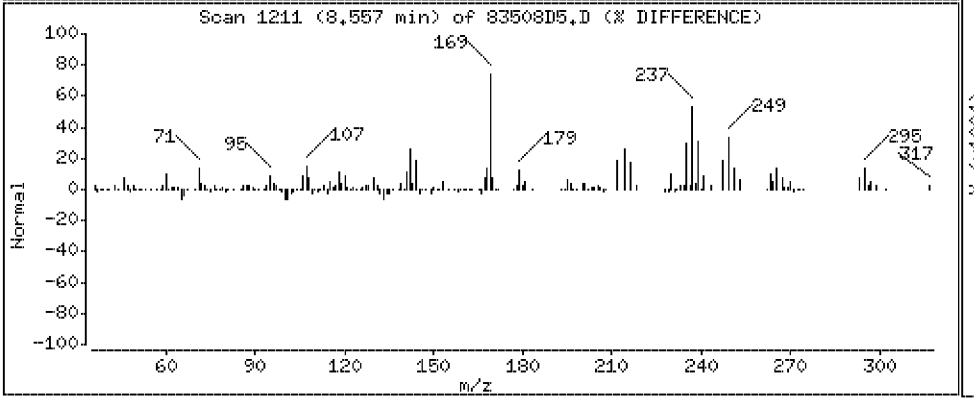
96 Pentachlorophenol

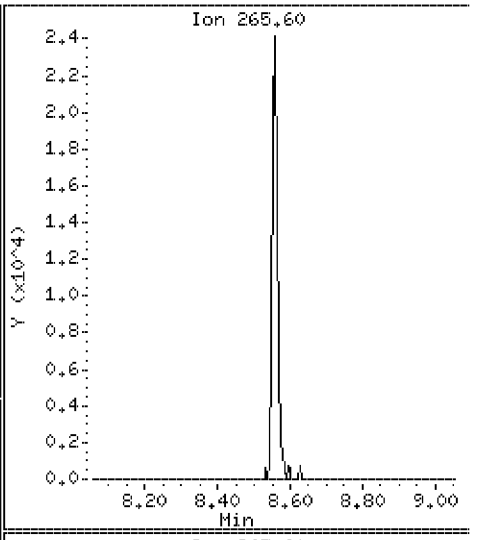
Concentration: 1190 ug/kg

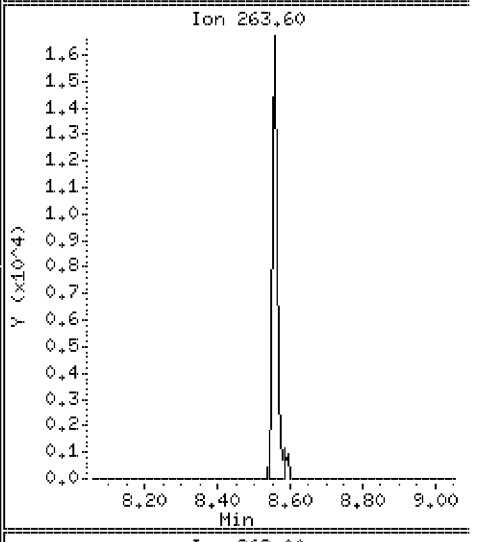


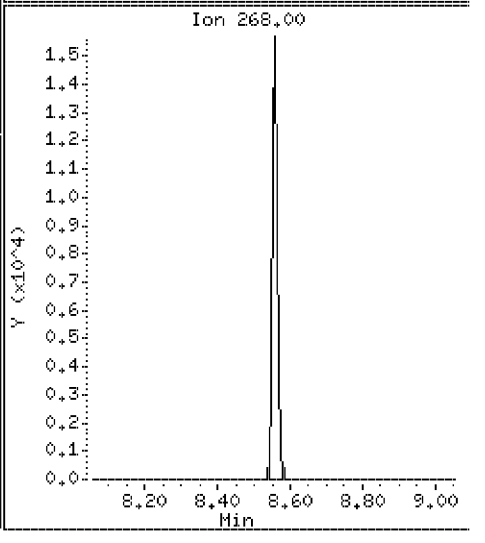












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

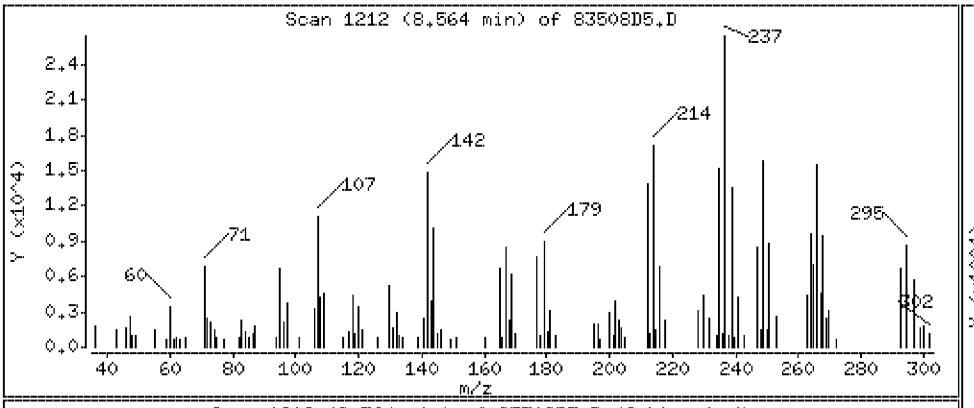
Operator: PEL

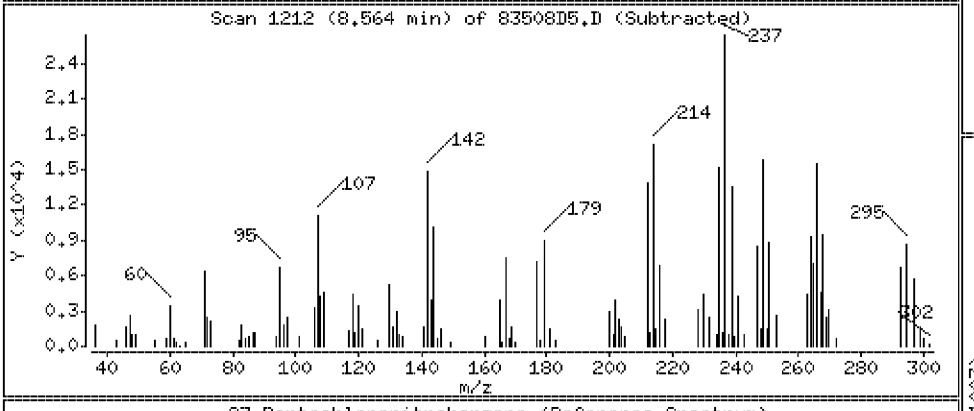
Column phase: HPMS-5

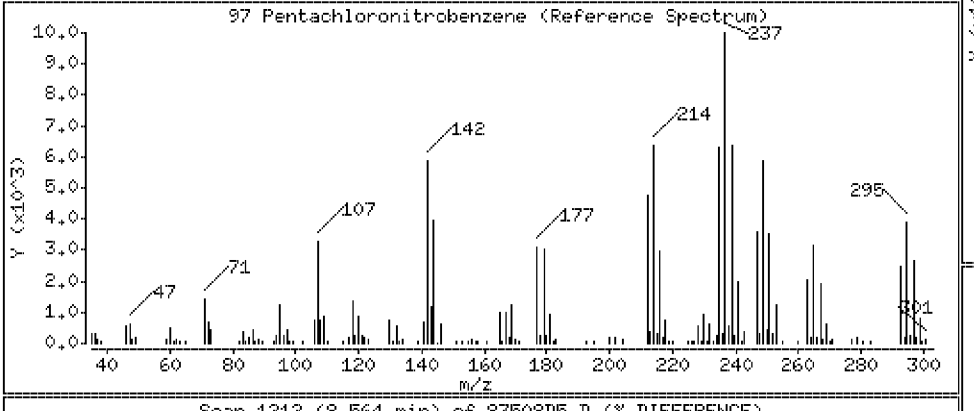
Column diameter: 0.25

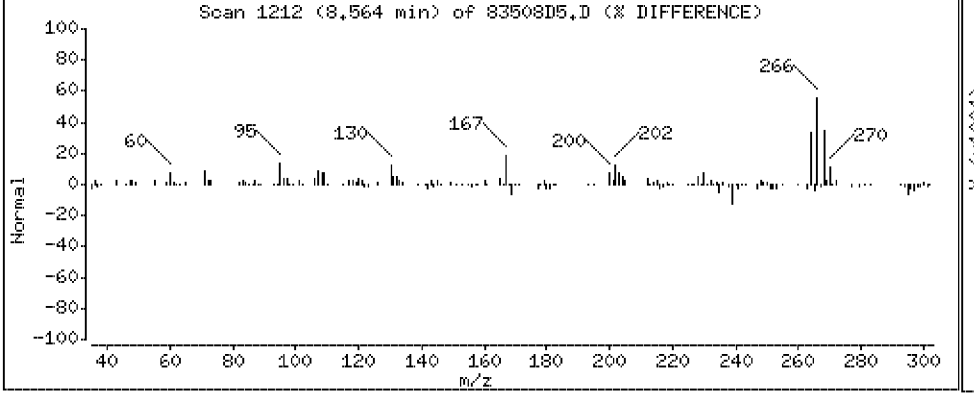
97 Pentachloronitrobenzene

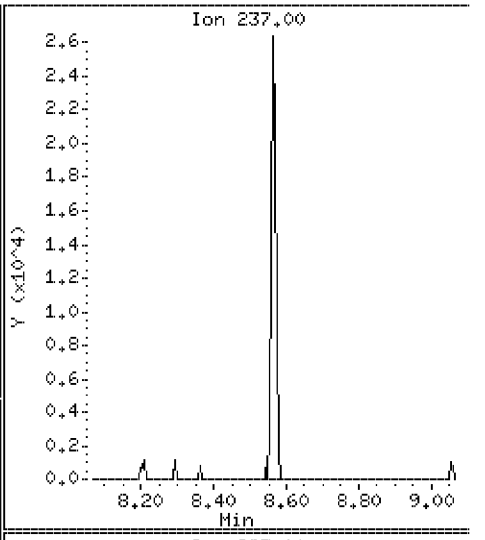
Concentration: 1550 ug/kg

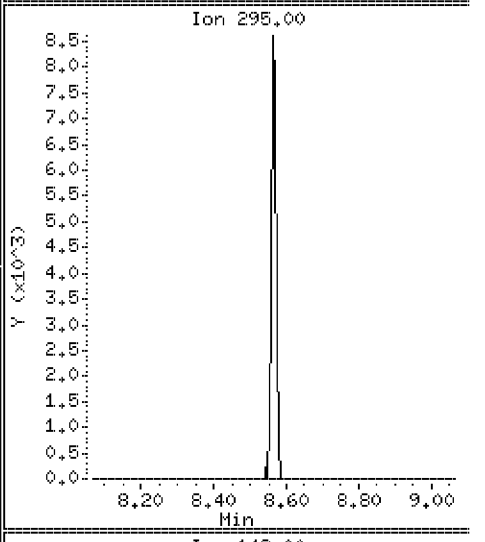


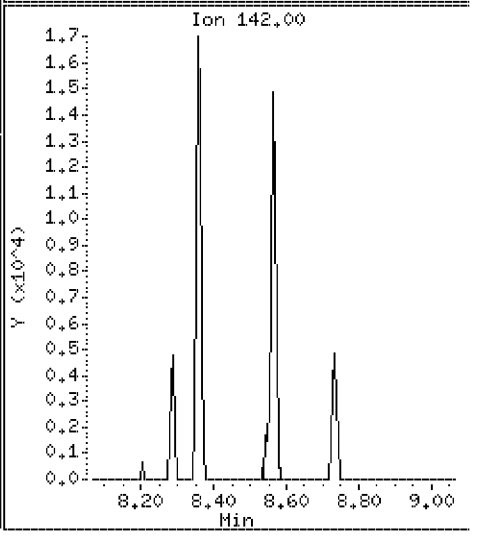












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

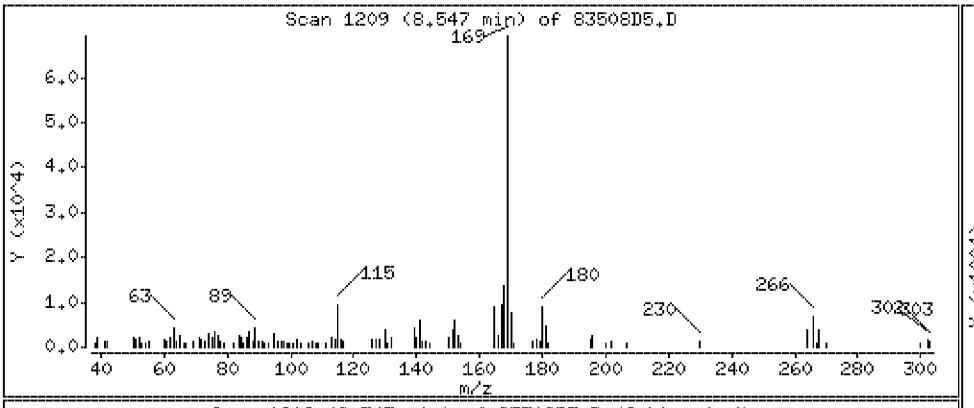
Operator: PEL

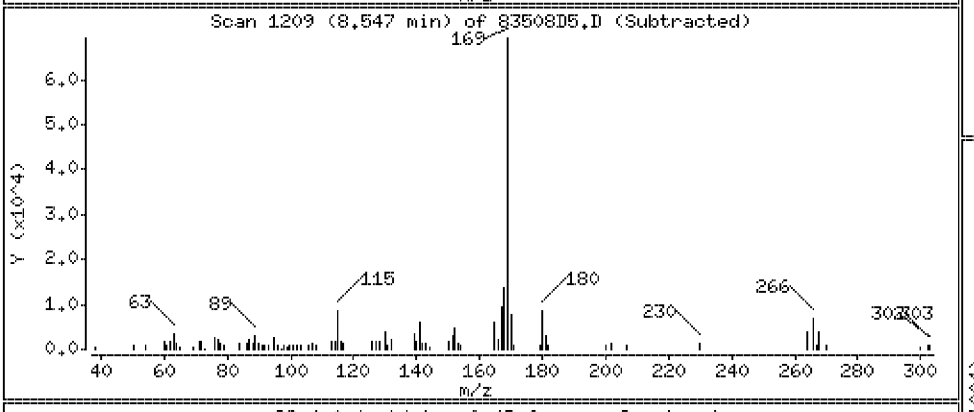
Column phase: HPMS-5

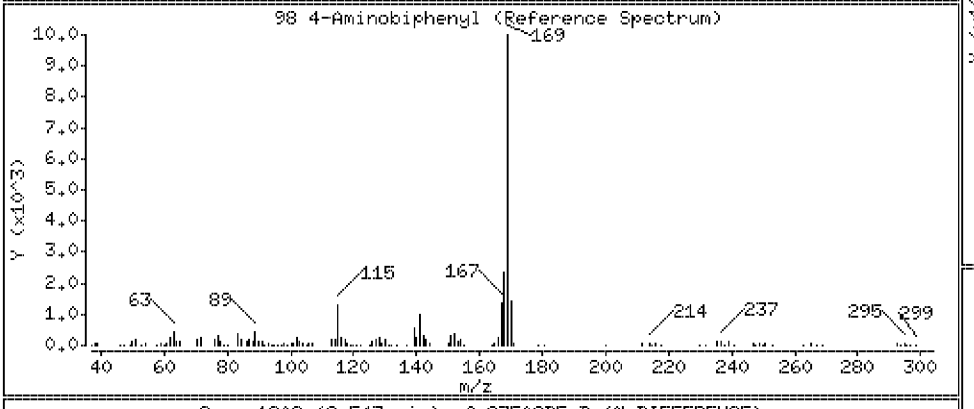
Column diameter: 0.25

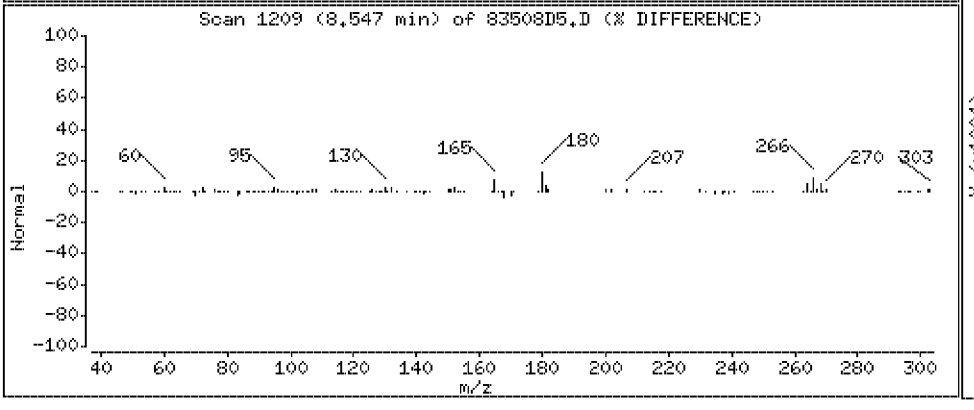
98 4-Aminobiphenyl

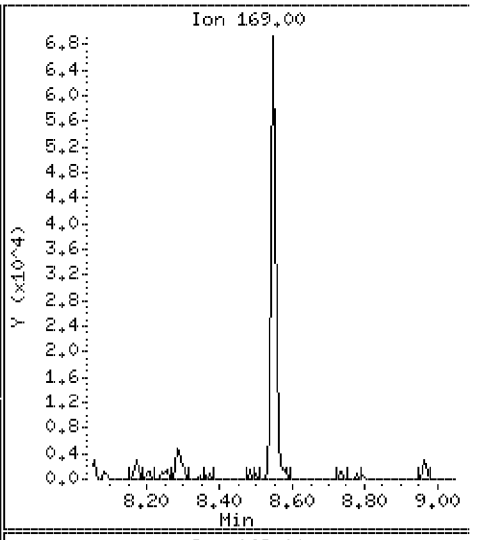
Concentration: 879 ug/kg

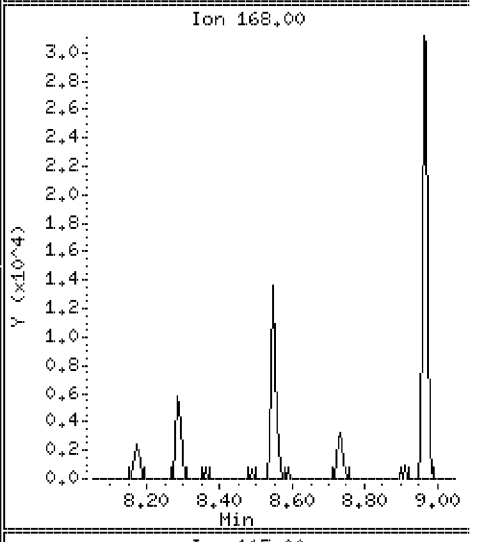


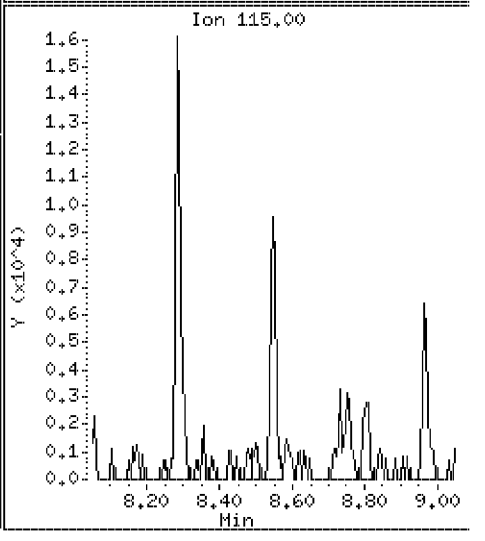












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

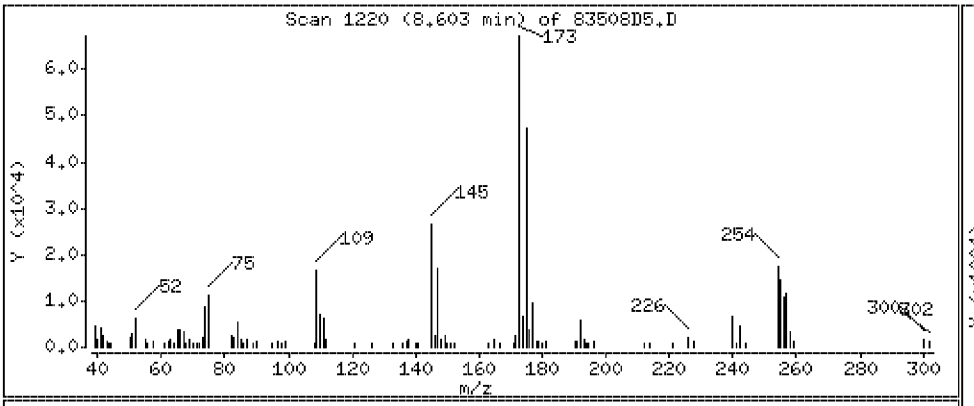
Operator: PEL

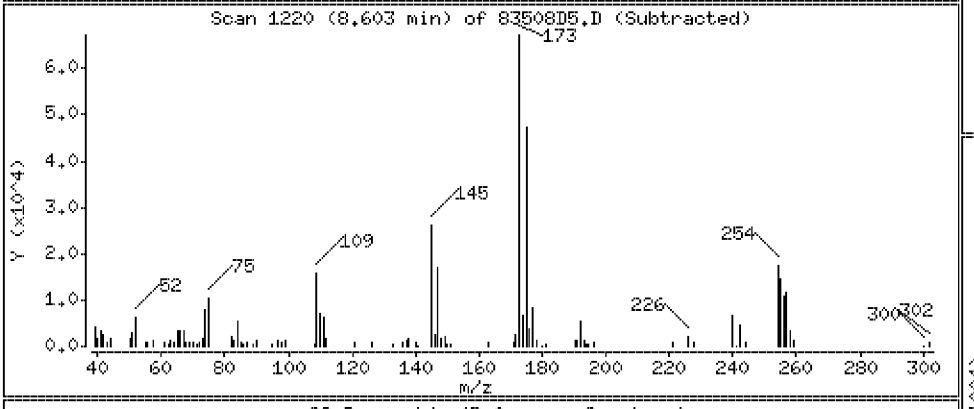
Column phase: HPMS-5

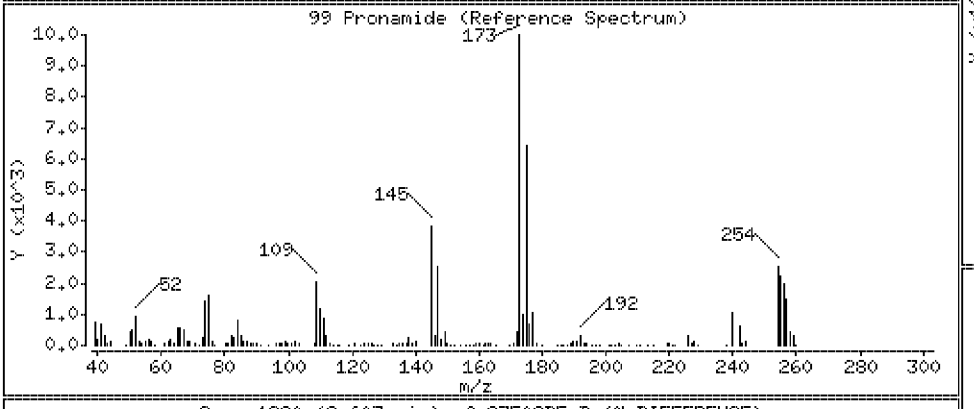
Column diameter: 0.25

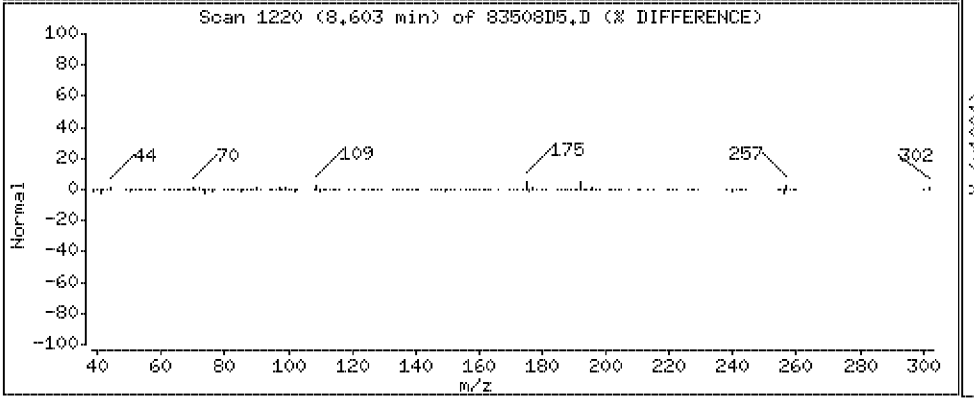
99 Pronamide

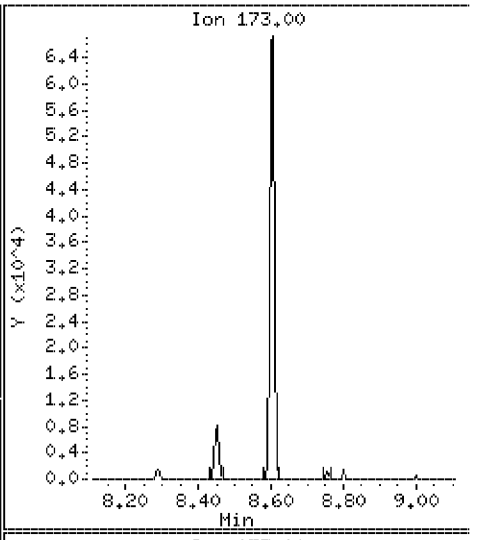
Concentration: 1610 ug/kg

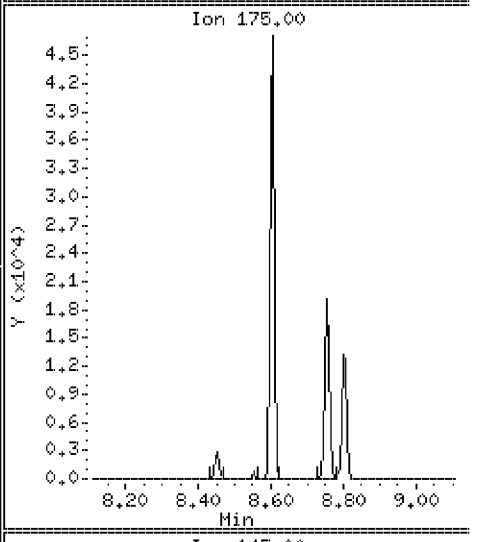


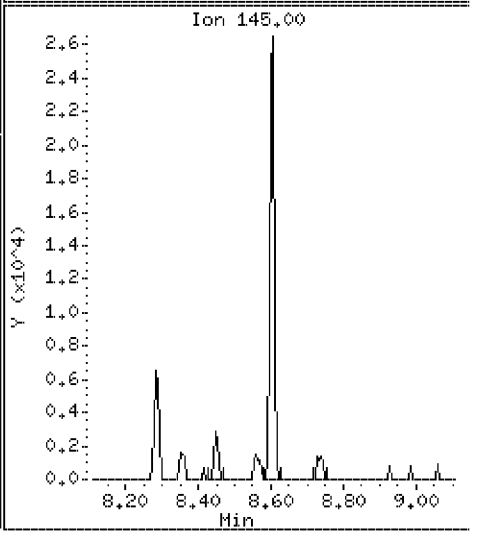












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

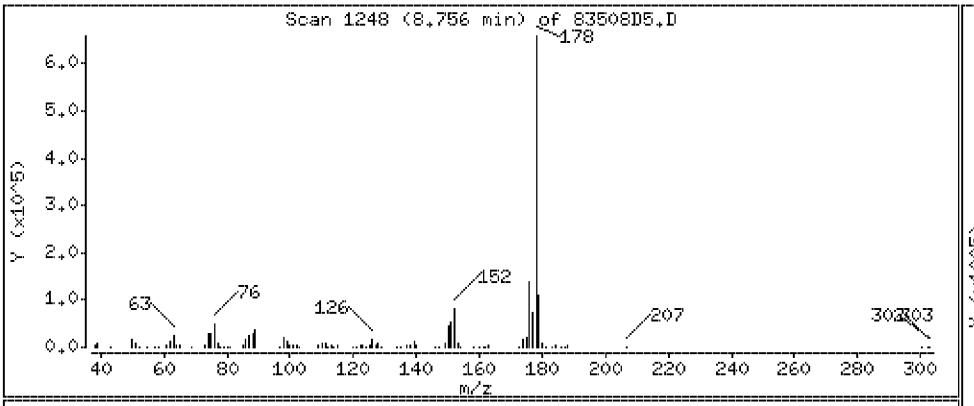
Operator: PEL

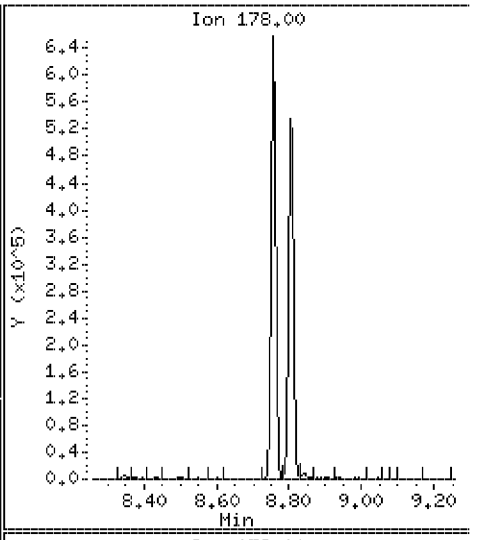
Column phase: HPMS-5

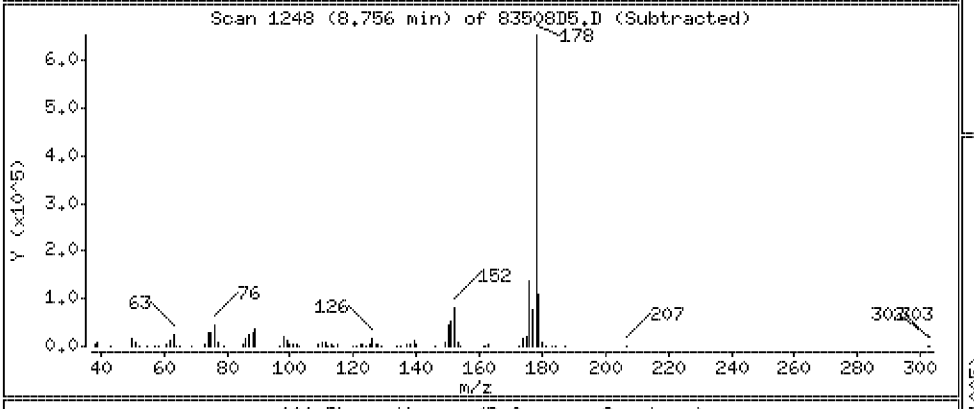
Column diameter: 0.25

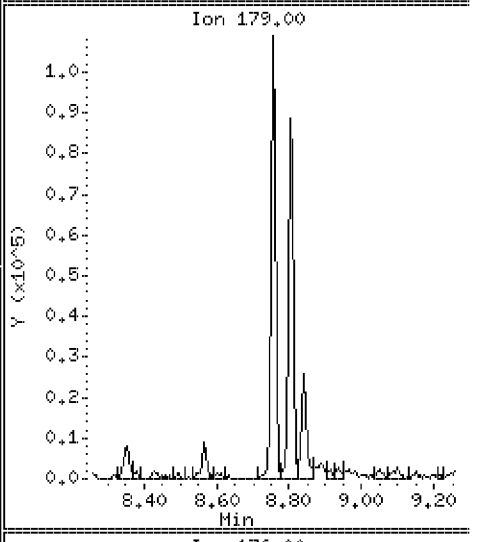
101 Phenanthrene

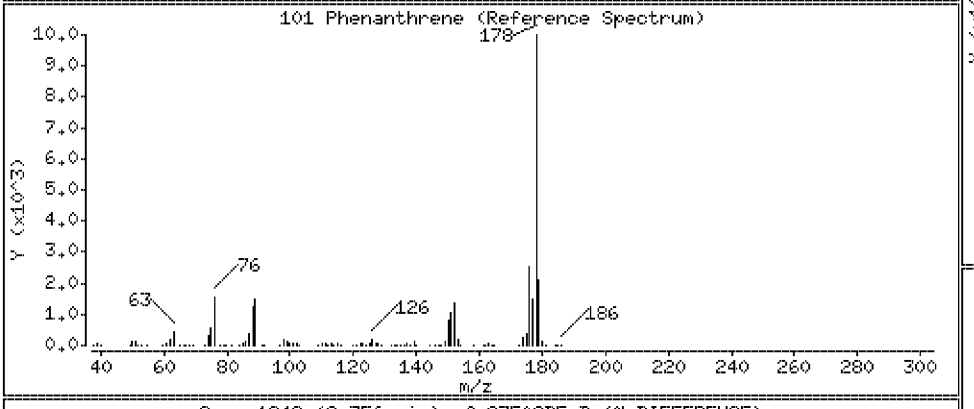
Concentration: 5280 ug/kg

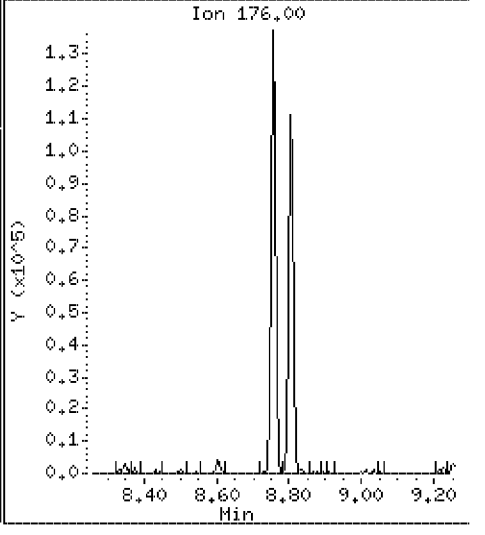


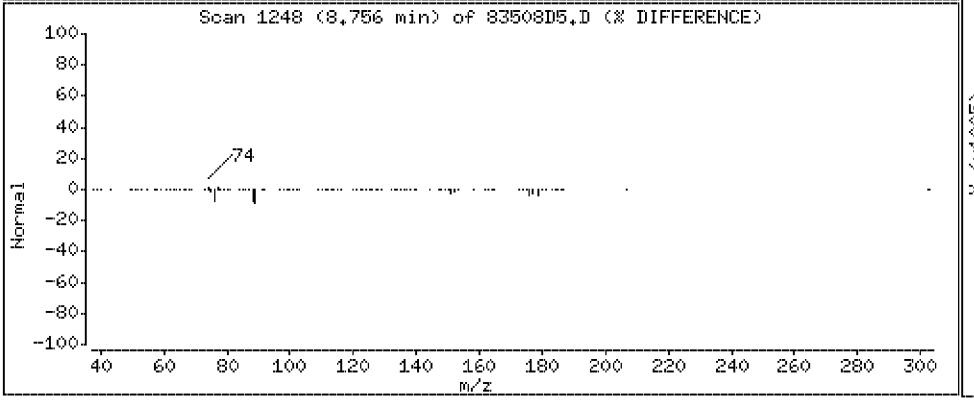












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

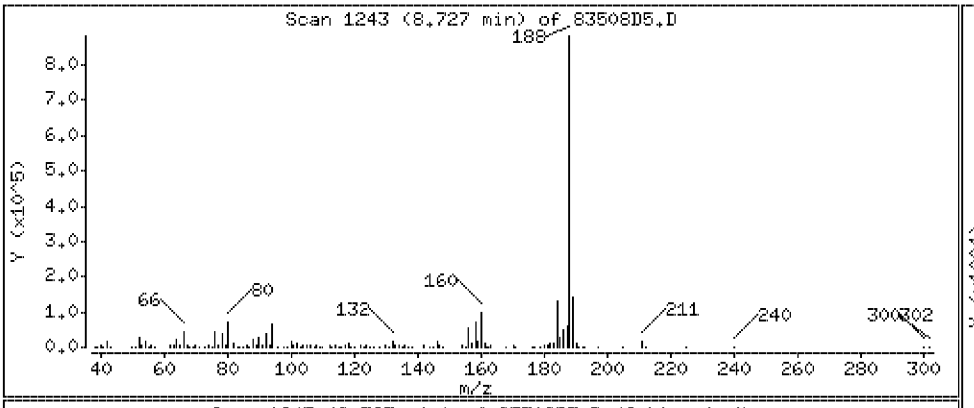
Operator: PEL

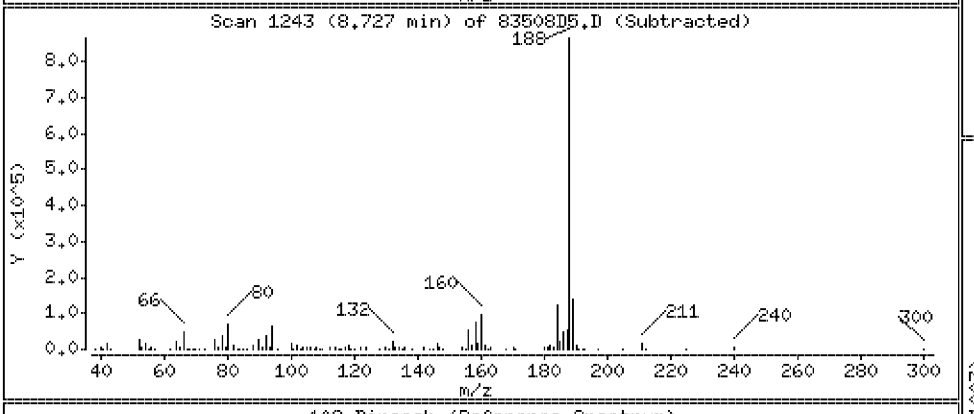
Column phase: HPMS-5

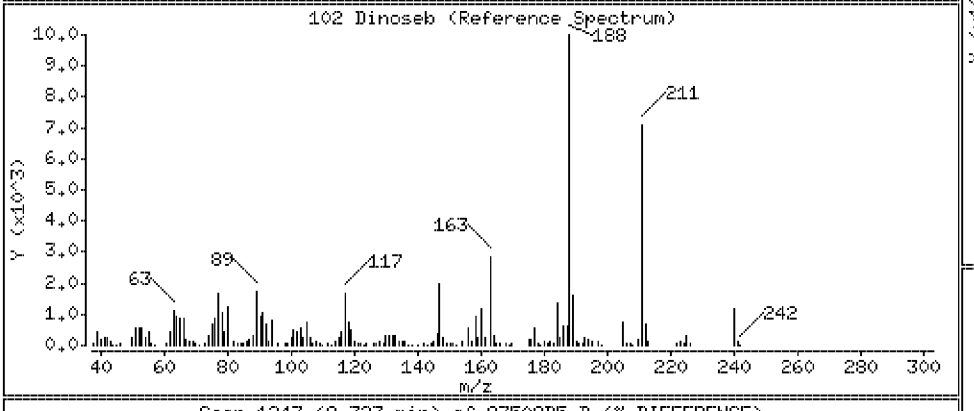
Column diameter: 0.25

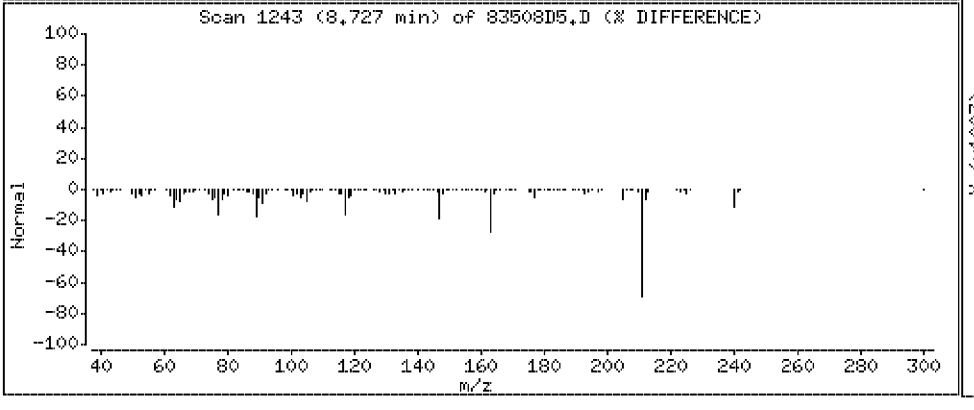
102 Dinoseb

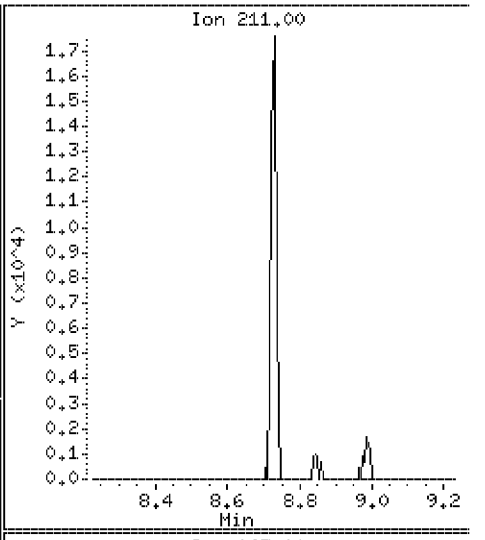
Concentration: 1500 ug/kg

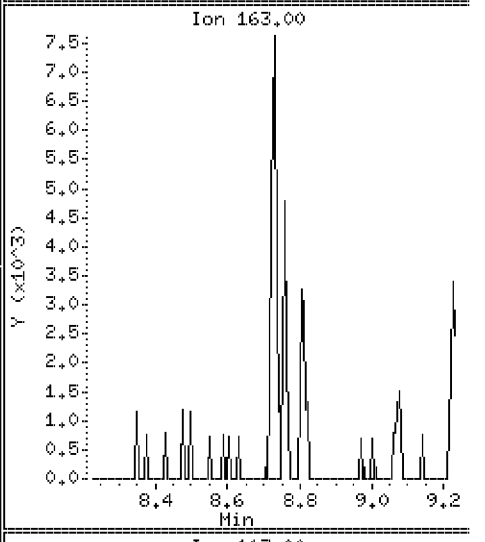


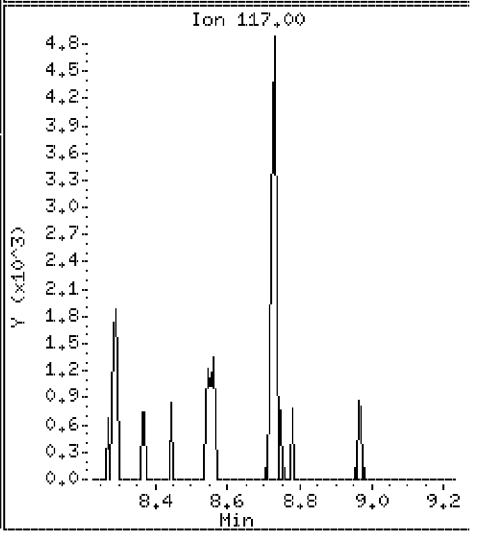












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

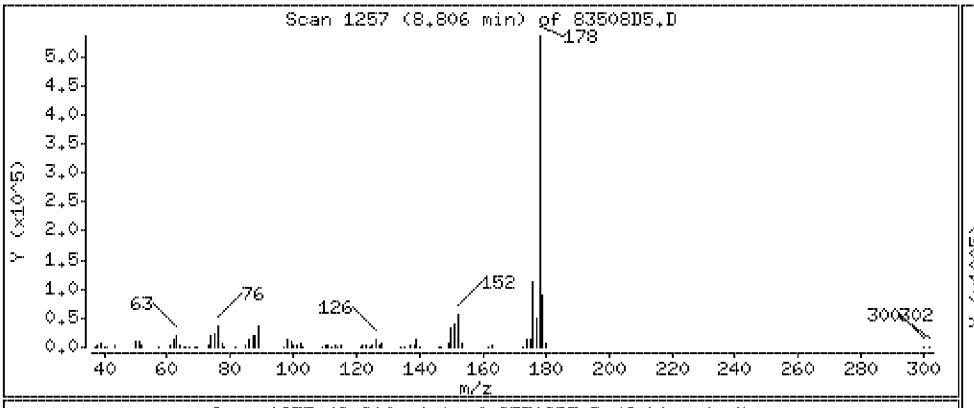
Operator: PEL

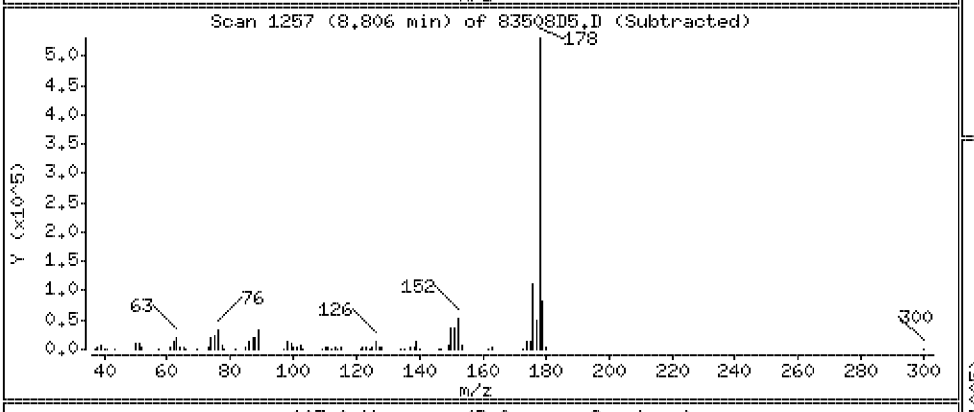
Column phase: HPMS-5

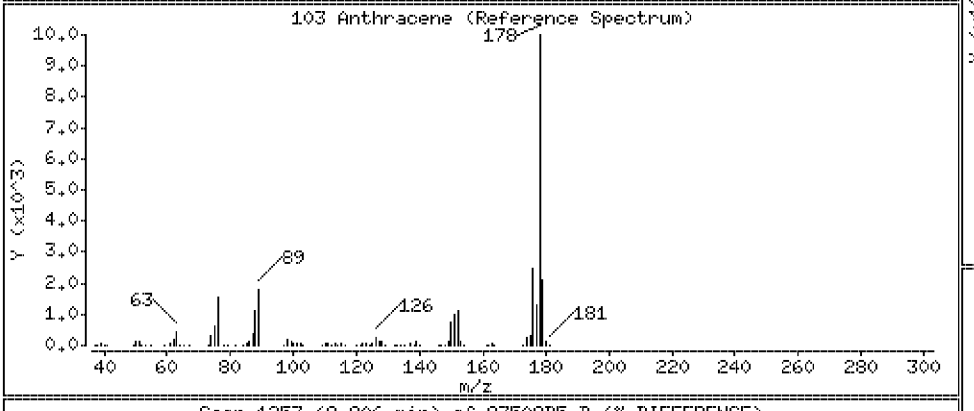
Column diameter: 0.25

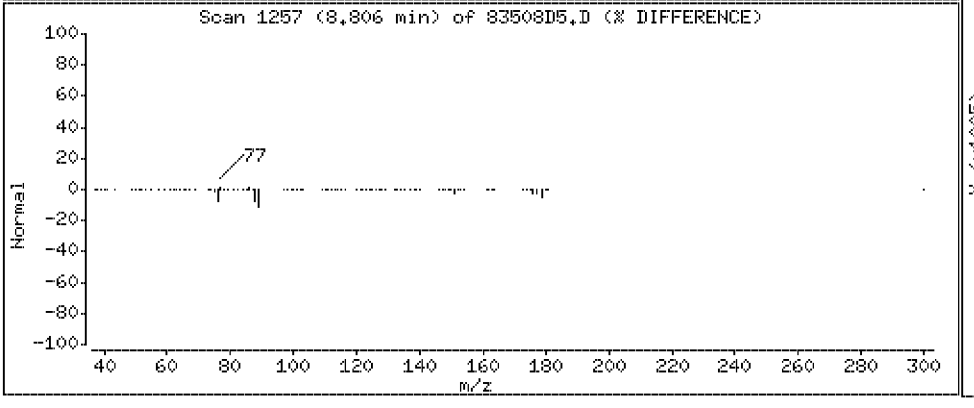
103 Anthracene

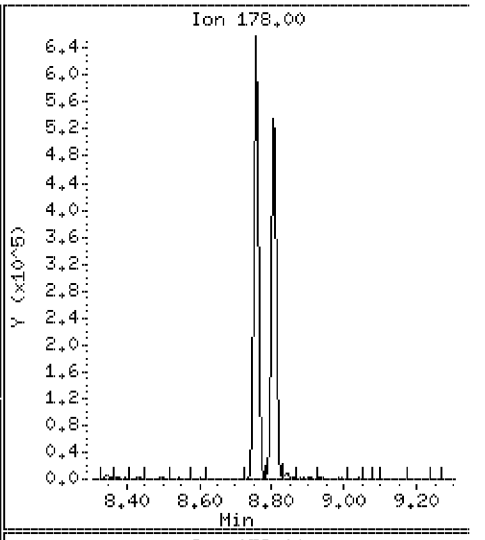
Concentration: 4690 ug/kg

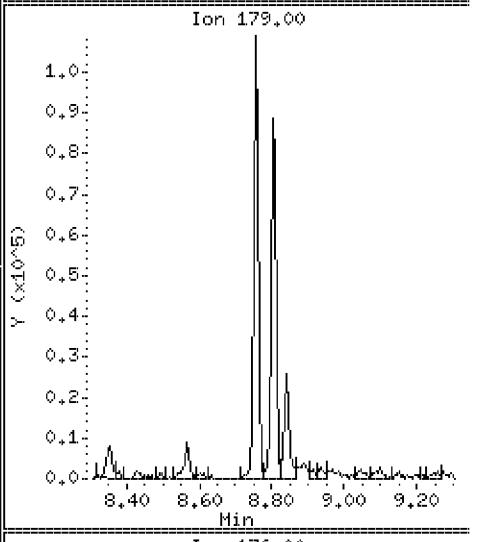


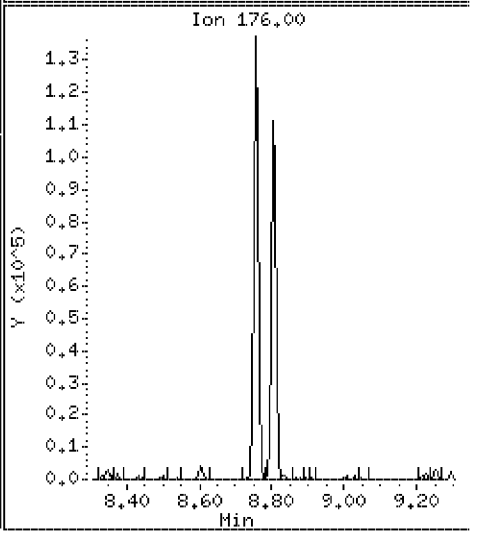












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Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

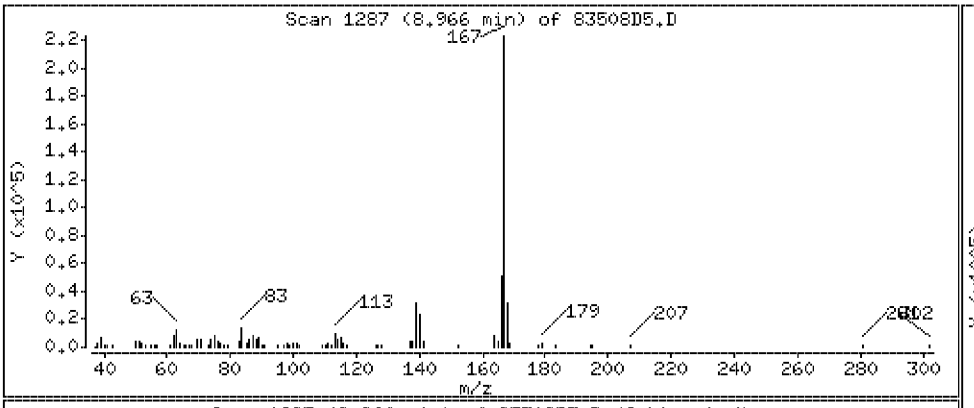
Operator: PEL

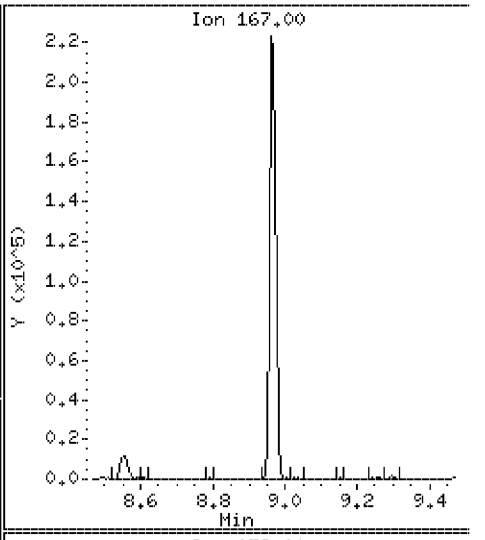
Column phase: HPMS-5

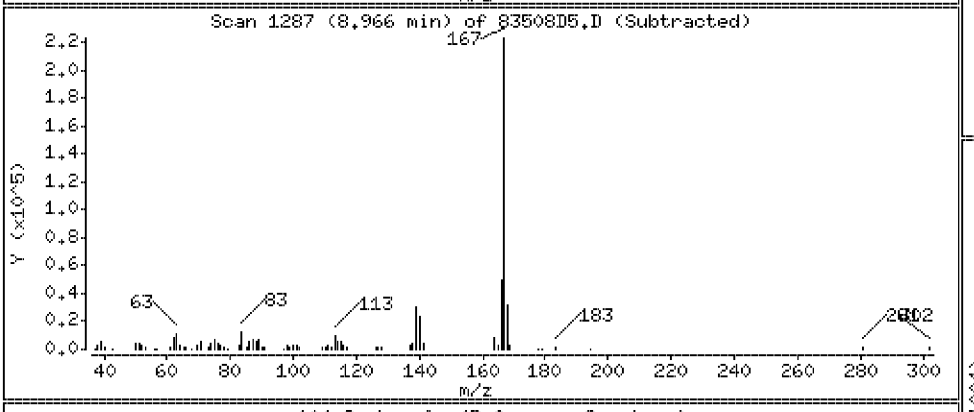
Column diameter: 0.25

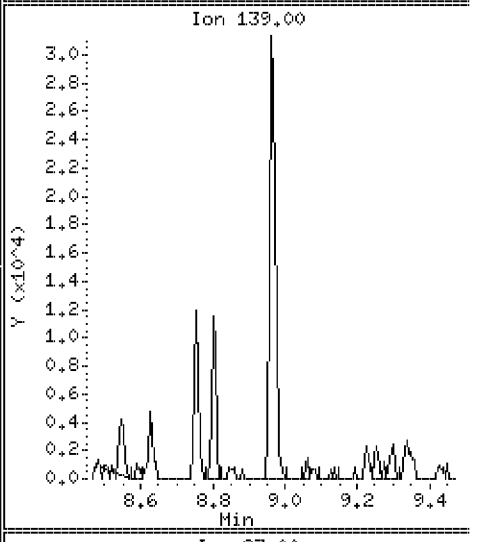
104 Carbazole

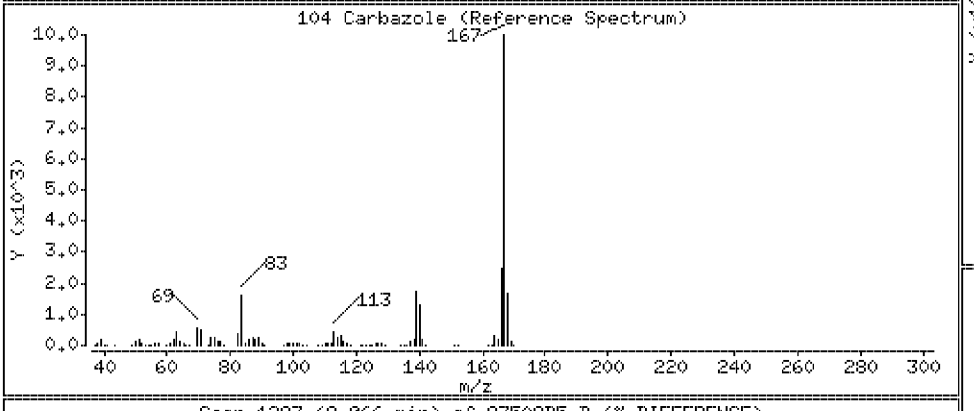
Concentration: 2350 ug/kg

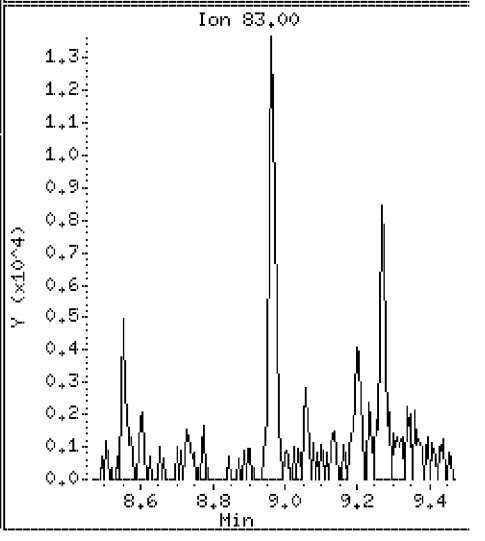


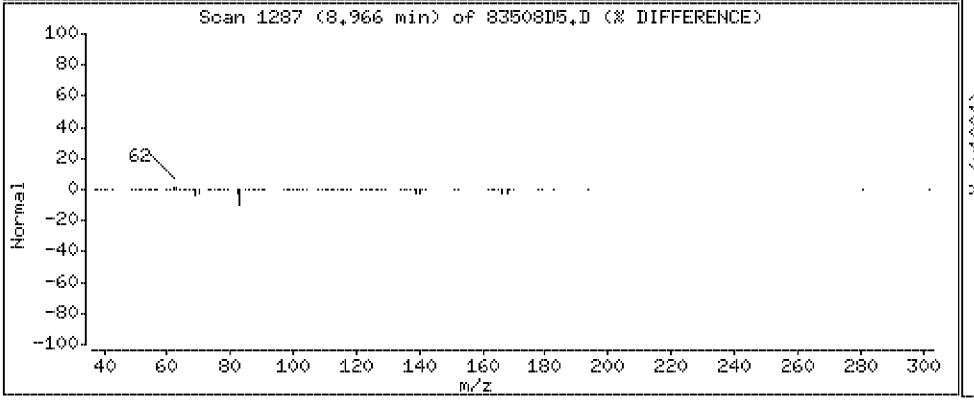












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

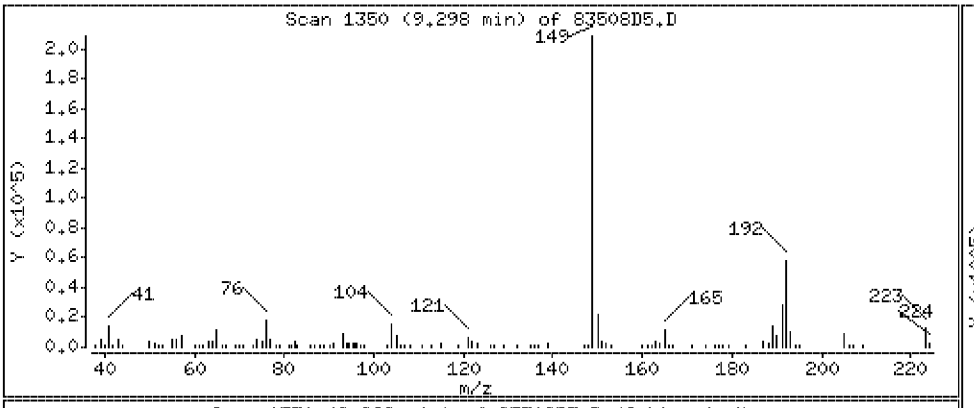
Operator: PEL

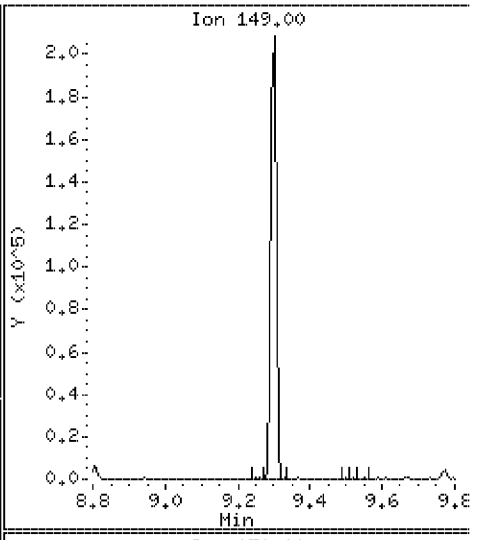
Column phase: HPMS-5

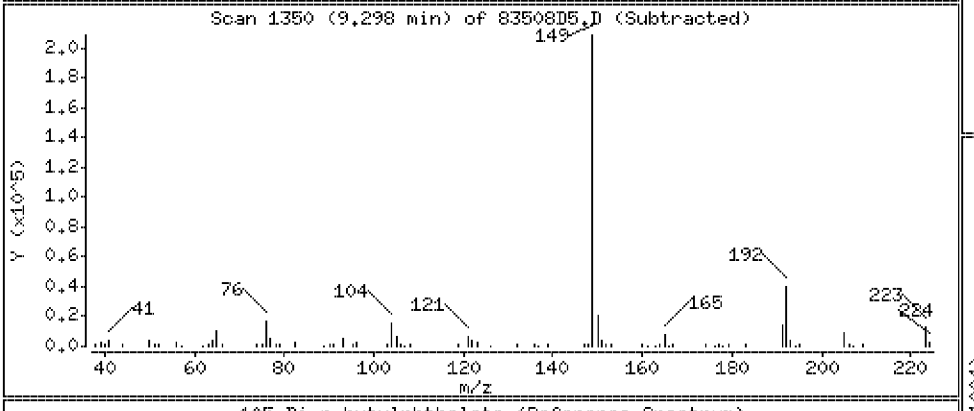
Column diameter: 0.25

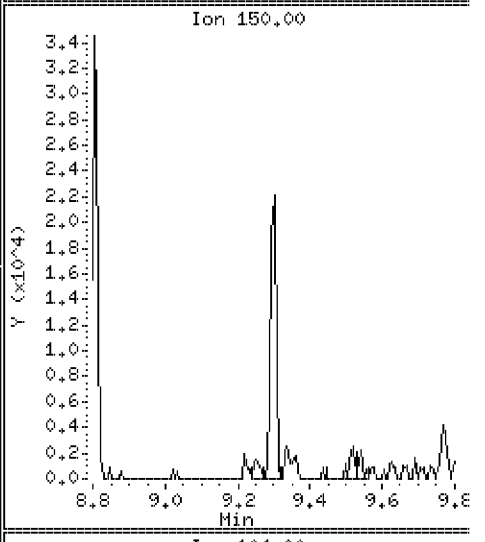
105 Di-n-butylphthalate

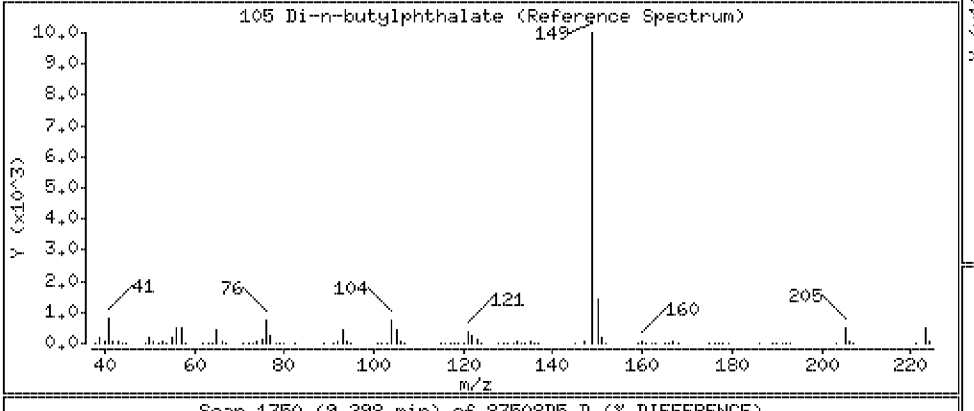
Concentration: 1510 ug/kg

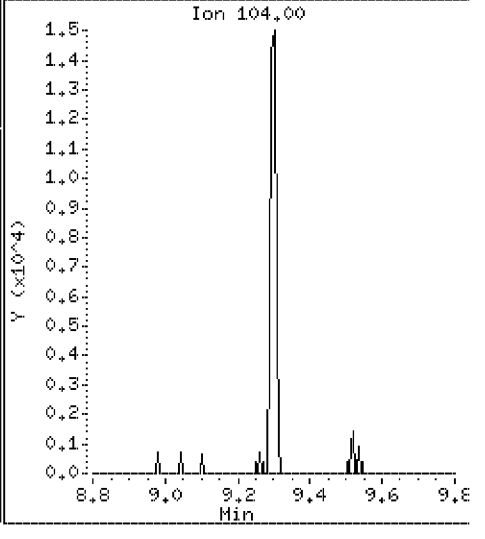


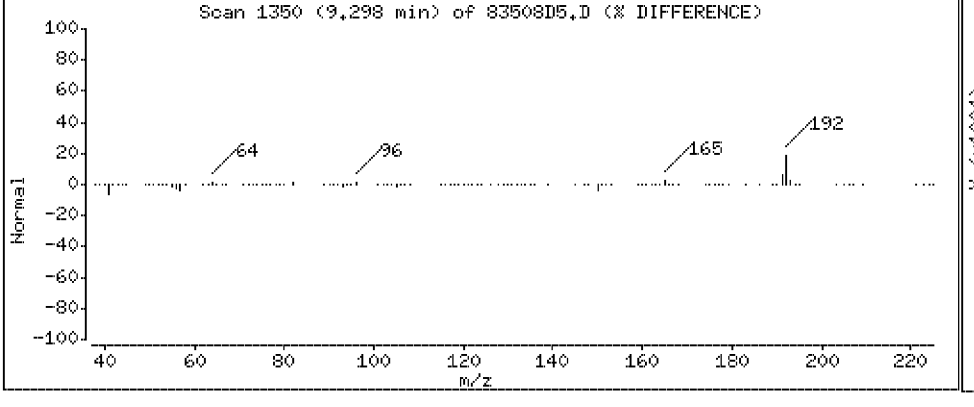












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

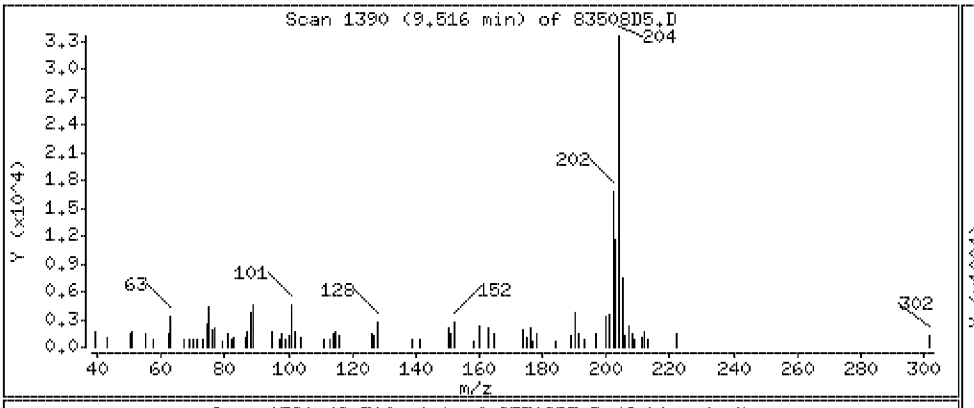
Operator: PEL

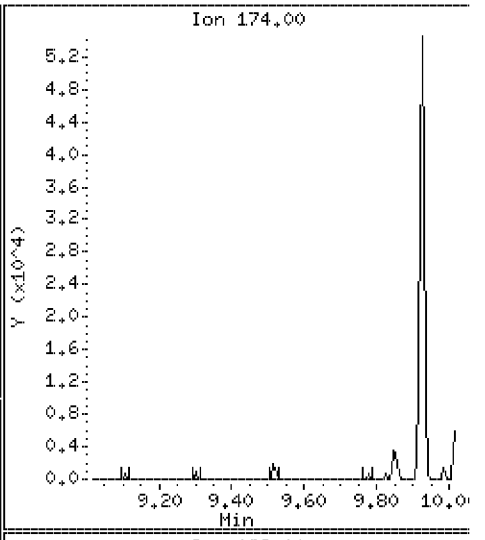
Column phase: HPMS-5

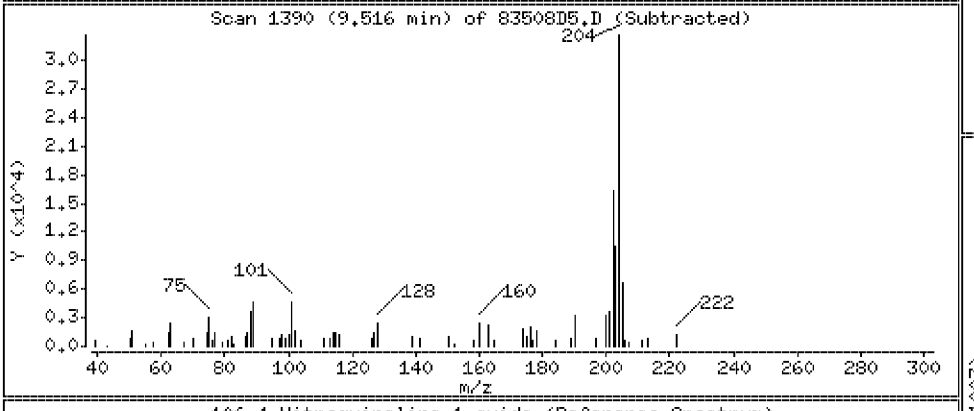
Column diameter: 0.25

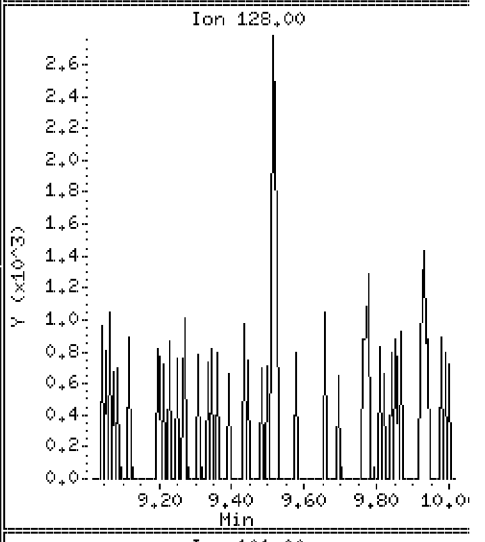
106 4-Nitroquinoline-1-oxide

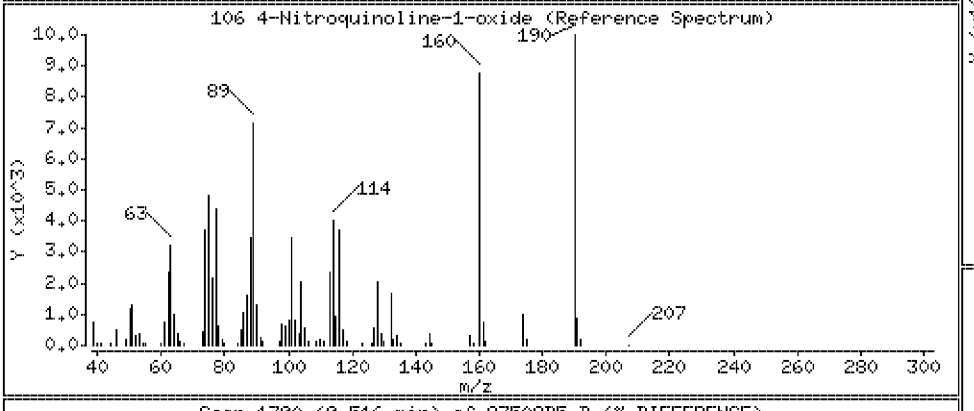
Concentration: 1240 ug/kg

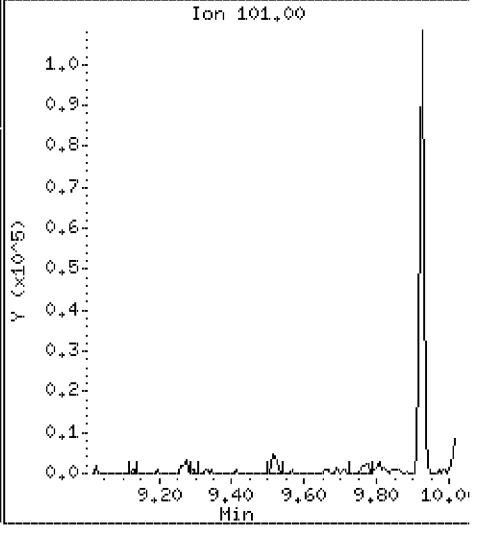


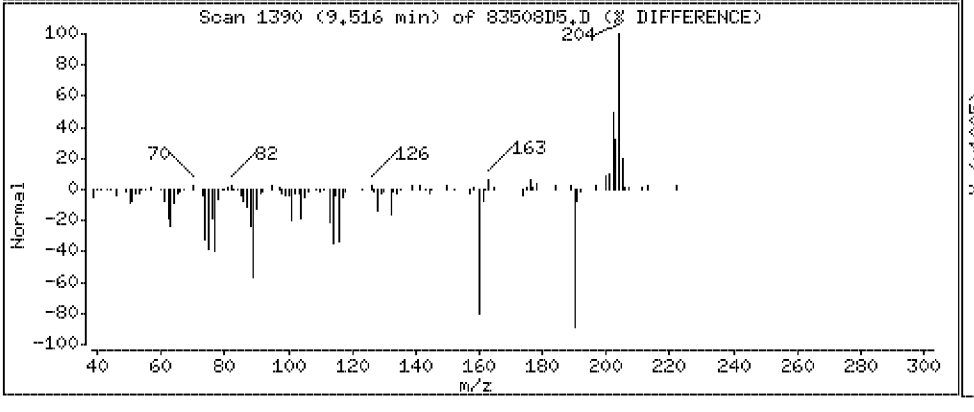












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

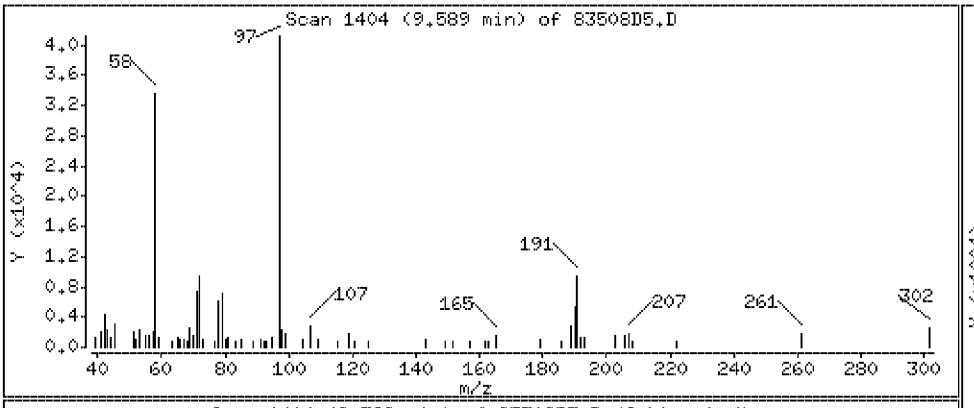
Operator: PEL

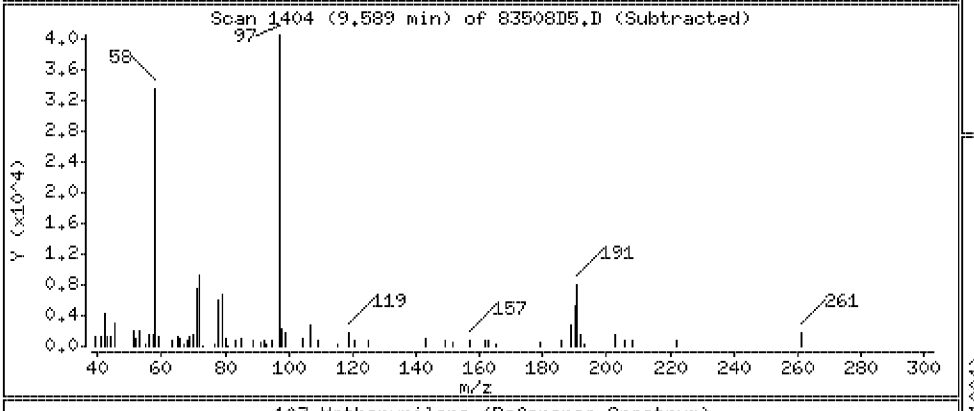
Column phase: HPMS-5

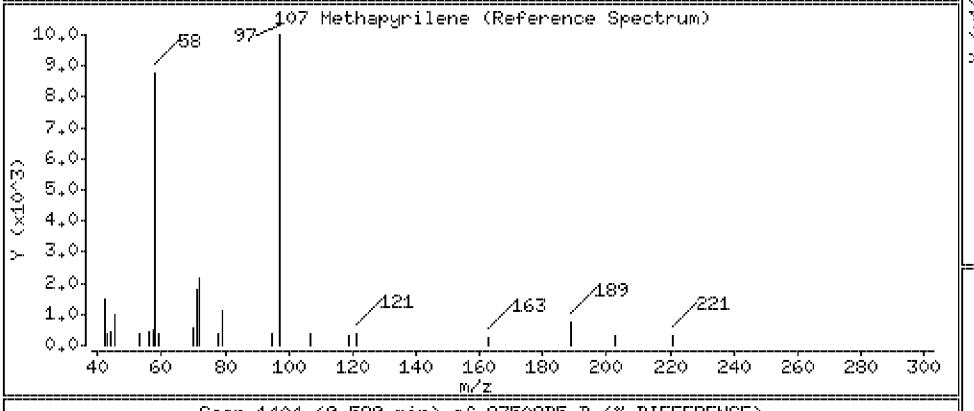
Column diameter: 0.25

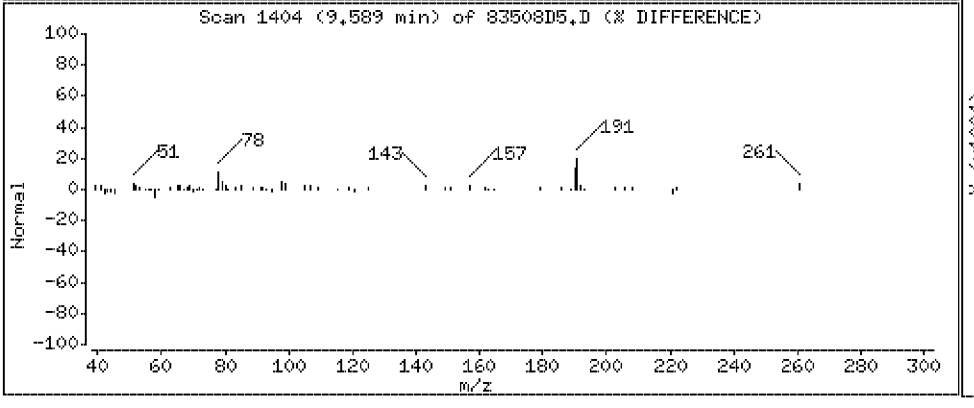
107 Methapyrilene

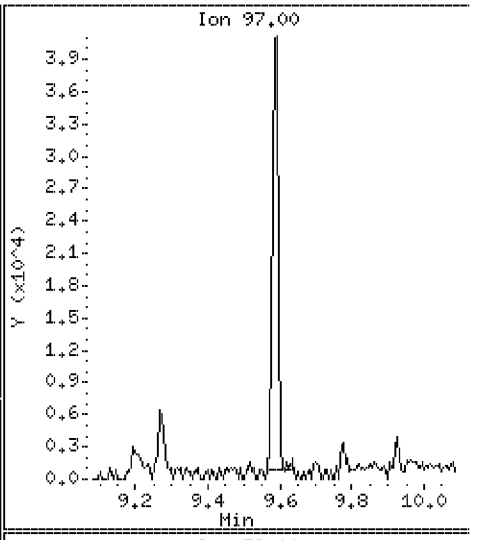
Concentration: 25300 ug/kg

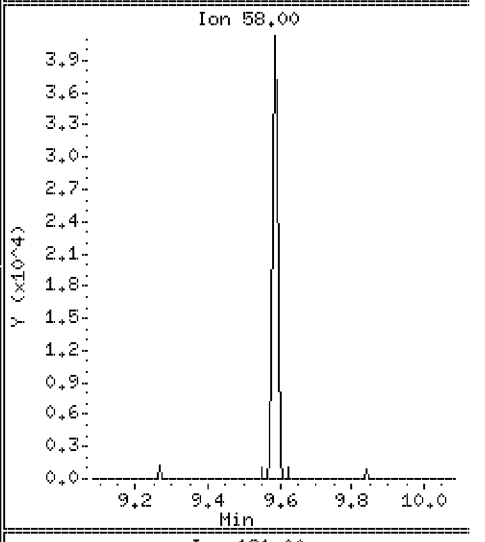


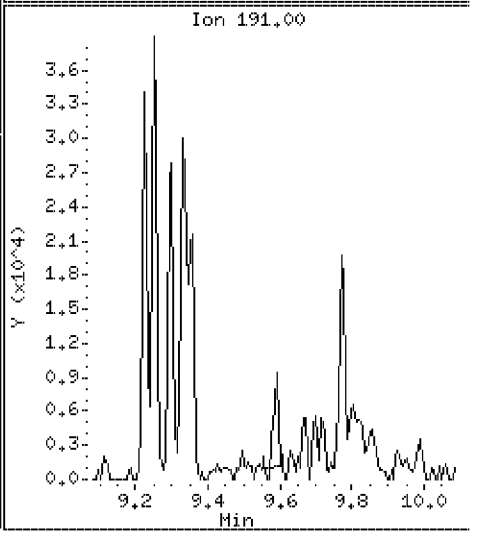












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

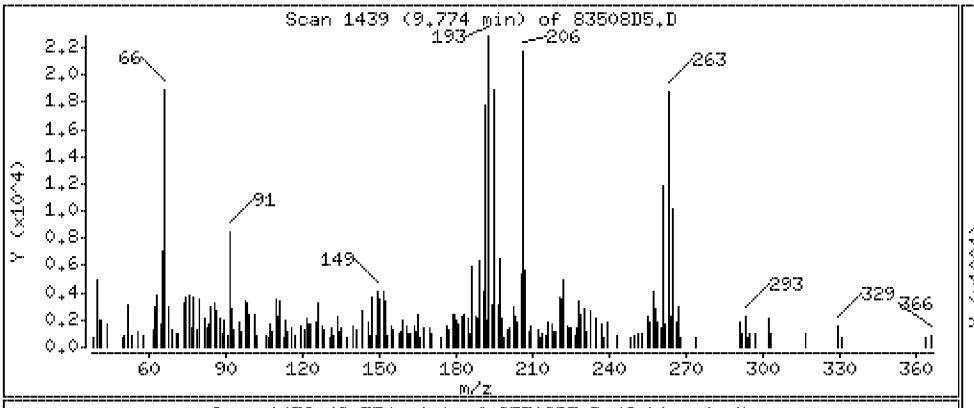
Operator: PEL

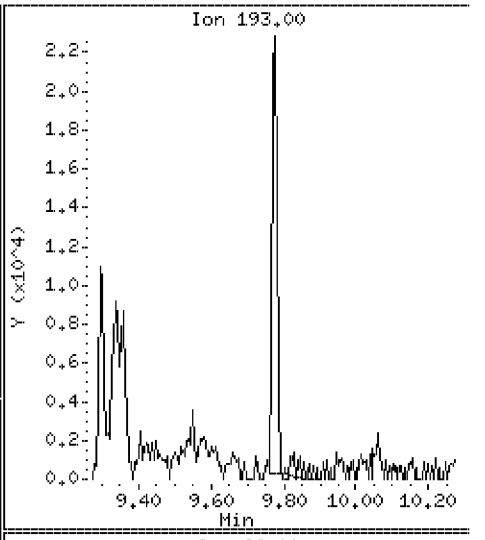
Column phase: HPMS-5

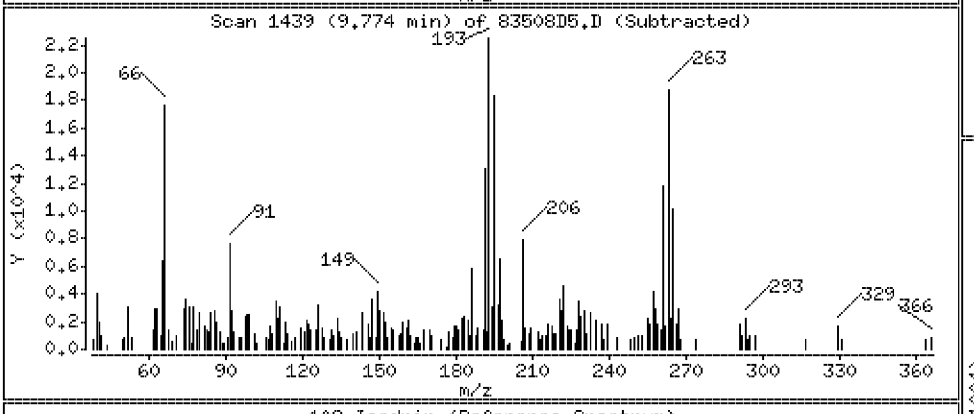
Column diameter: 0.25

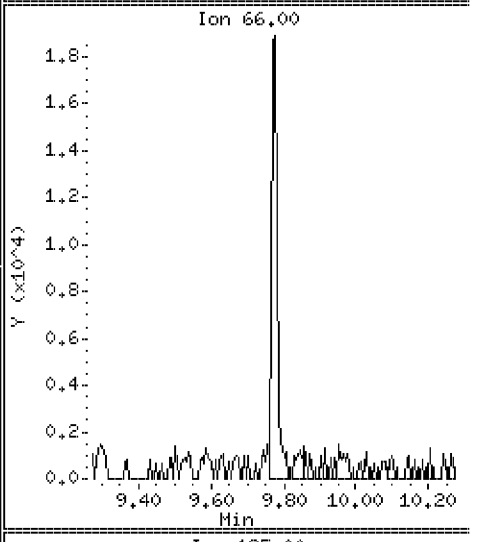
108 Isodrin

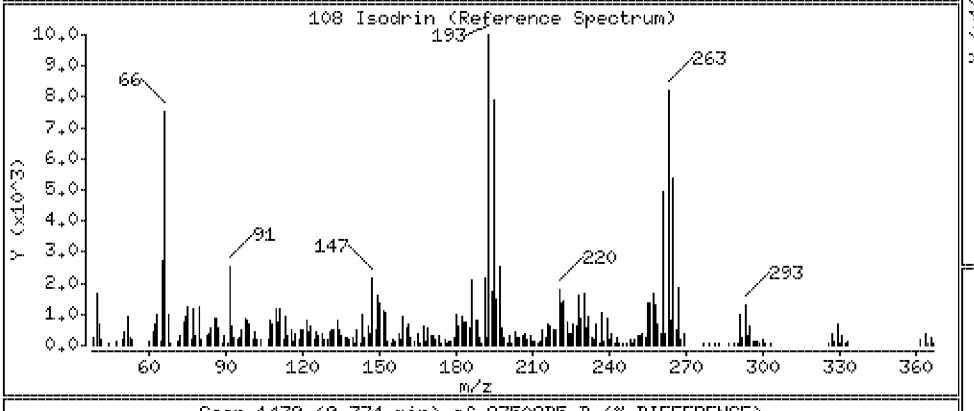
Concentration: 1650 ug/kg

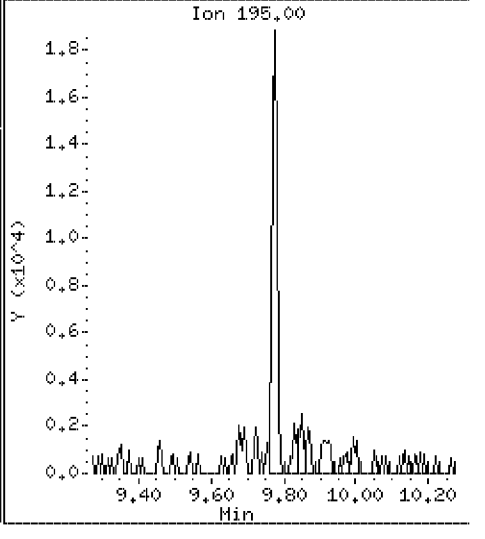


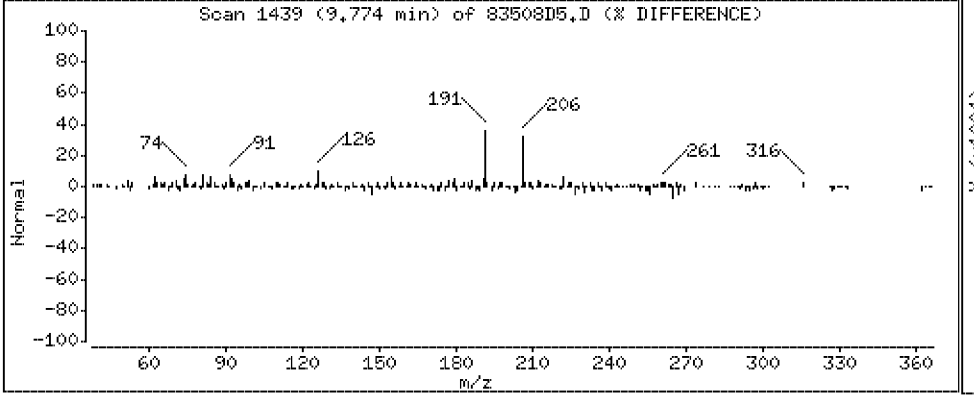












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

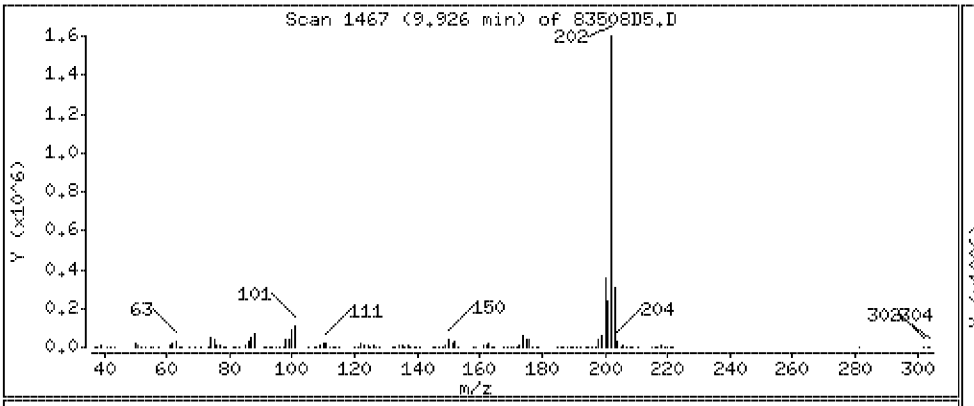
Operator: PEL

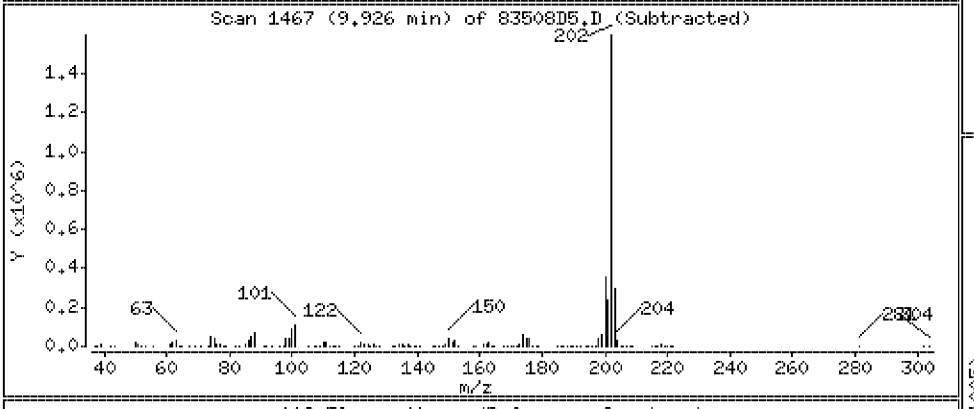
Column phase: HPMS-5

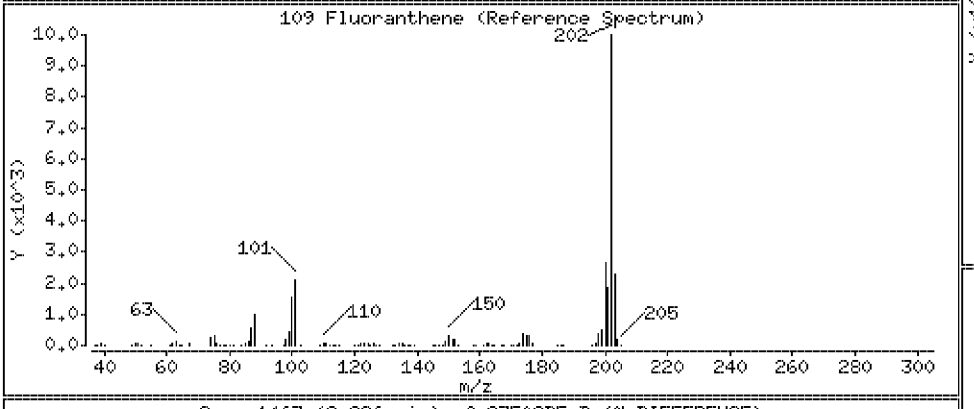
Column diameter: 0.25

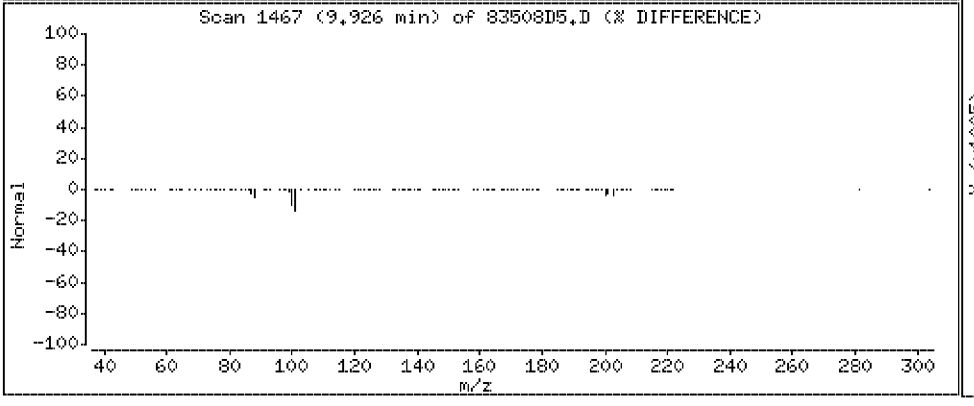
109 Fluoranthene

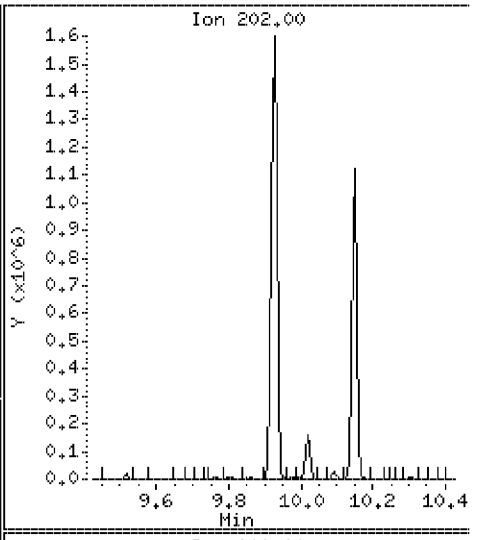
Concentration: 11300 ug/kg

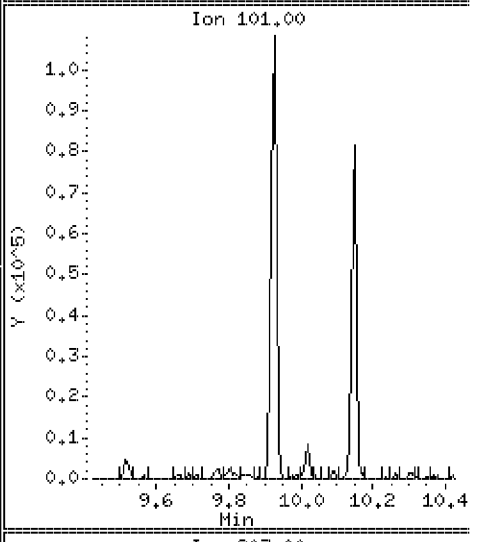


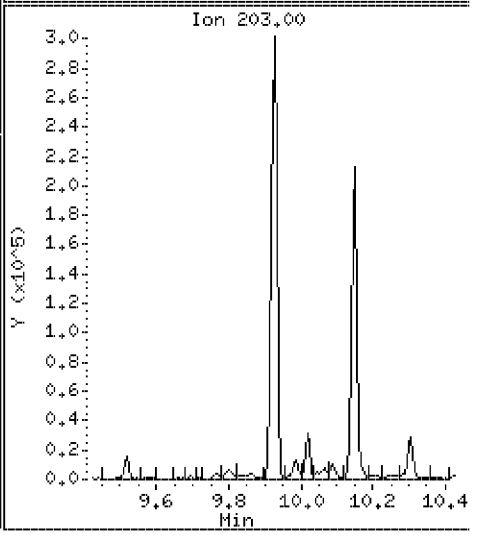












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

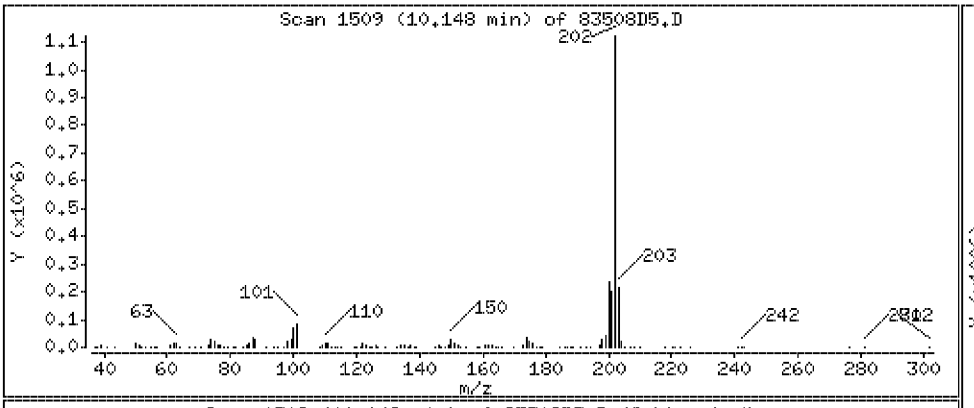
Operator: PEL

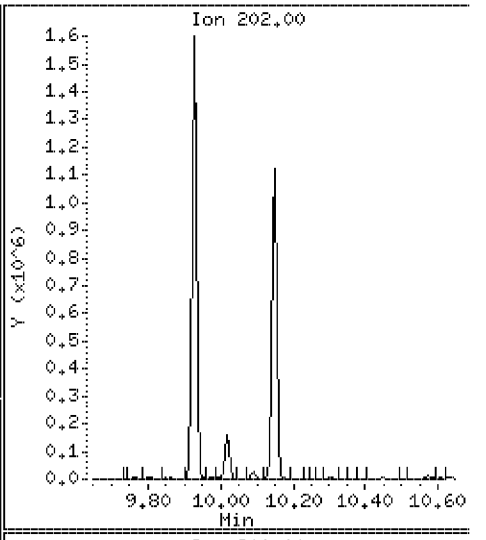
Column phase: HPMS-5

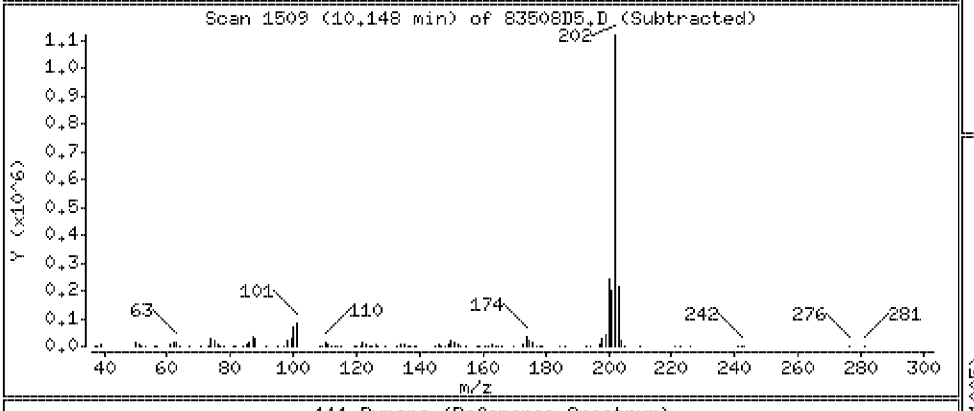
Column diameter: 0.25

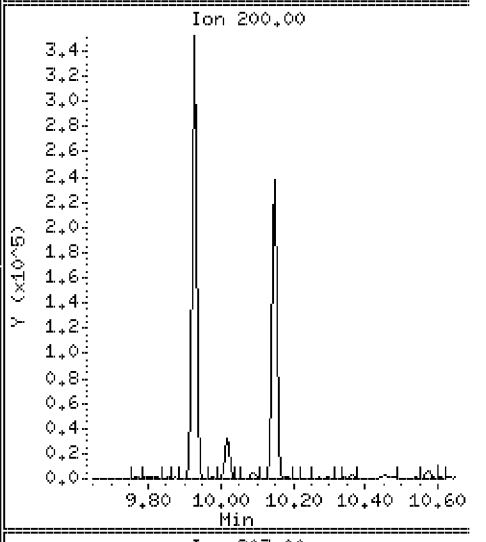
111 Pyrene

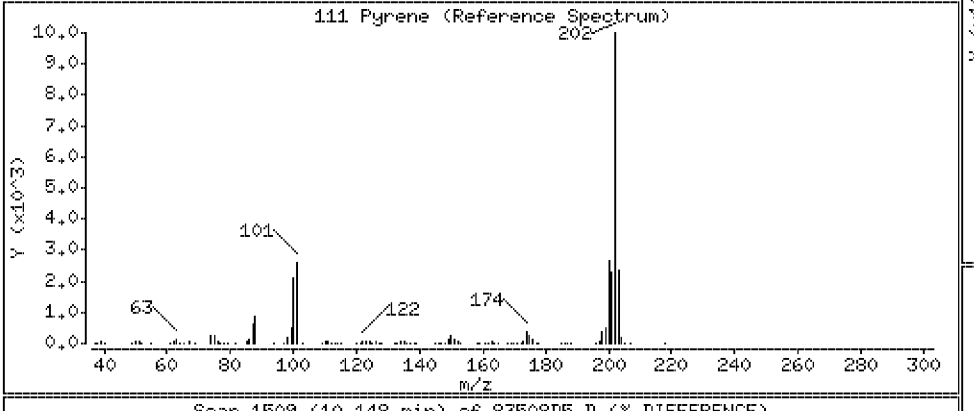
Concentration: 8320 ug/kg

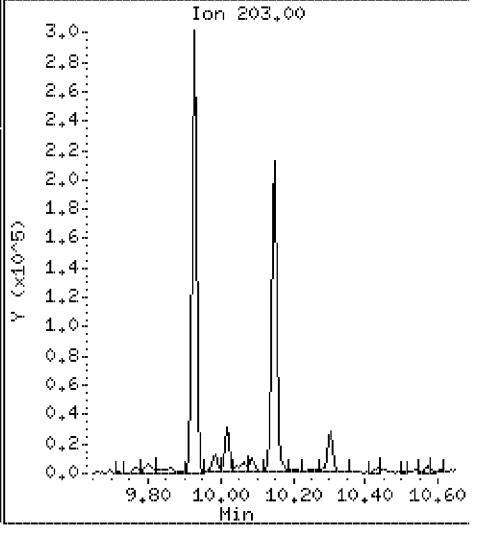


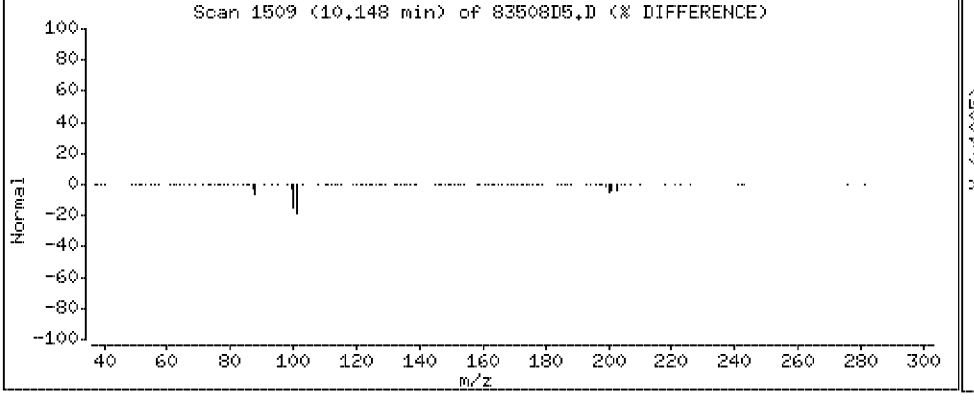












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

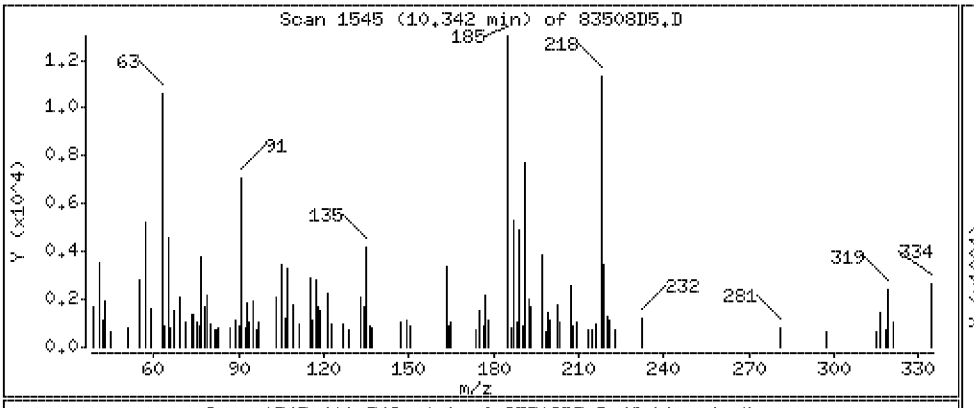
Operator: PEL

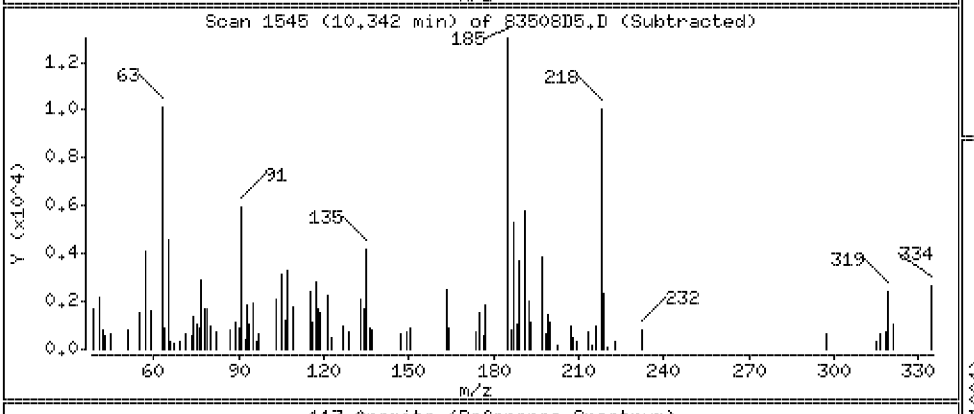
Column phase: HPMS-5

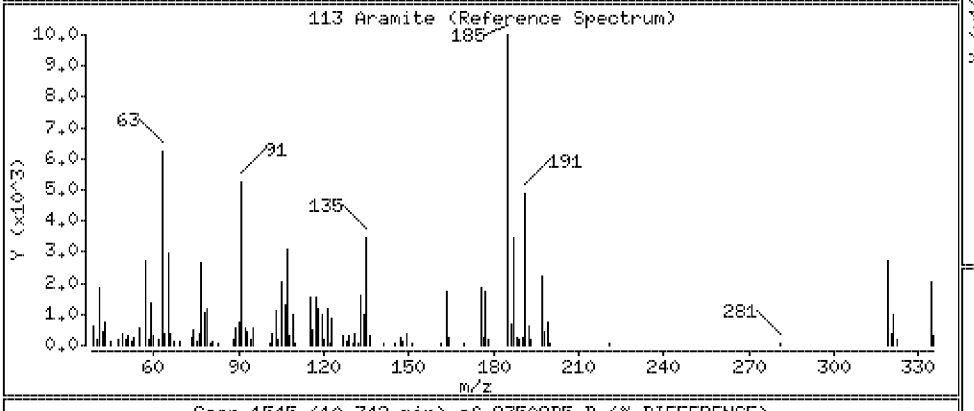
Column diameter: 0.25

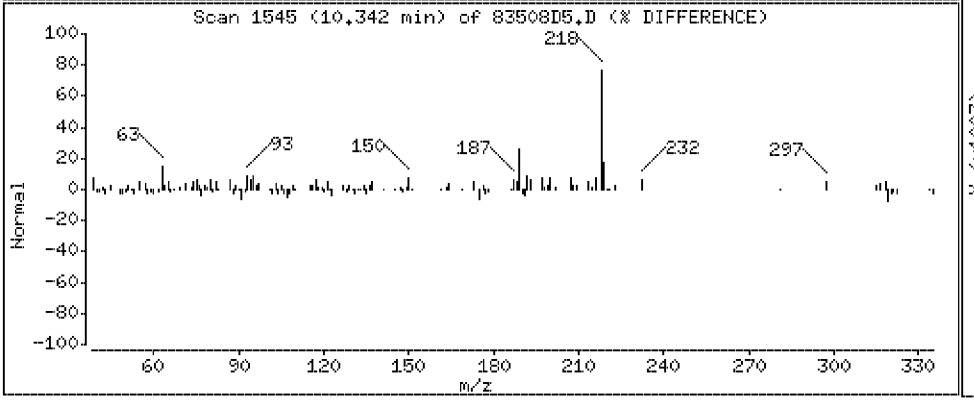
113 Aramite

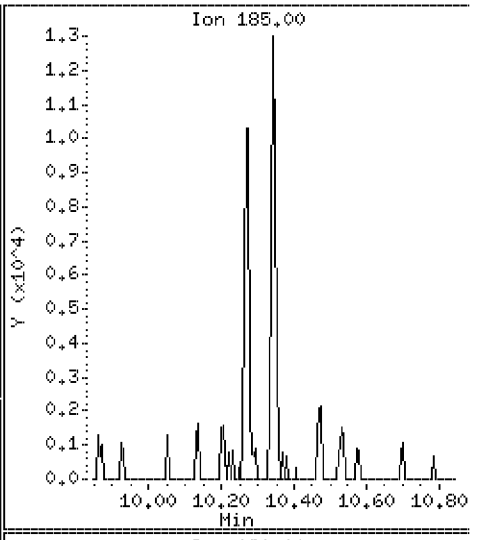
Concentration: 1440 ug/kg

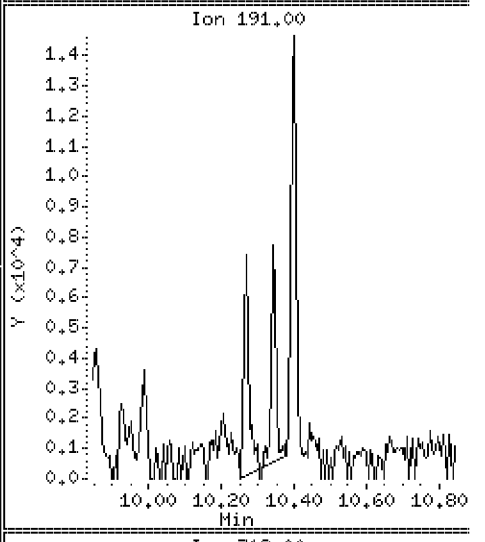


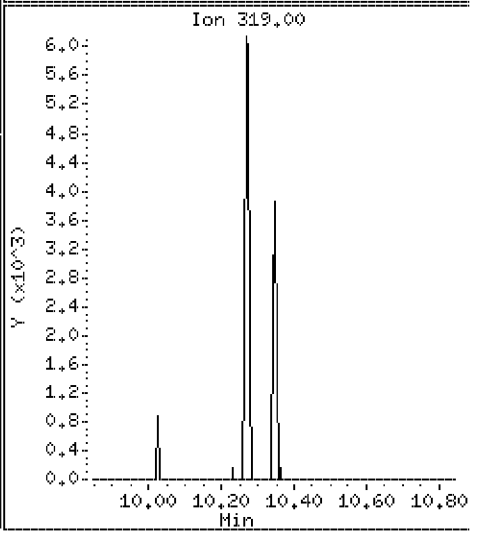












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

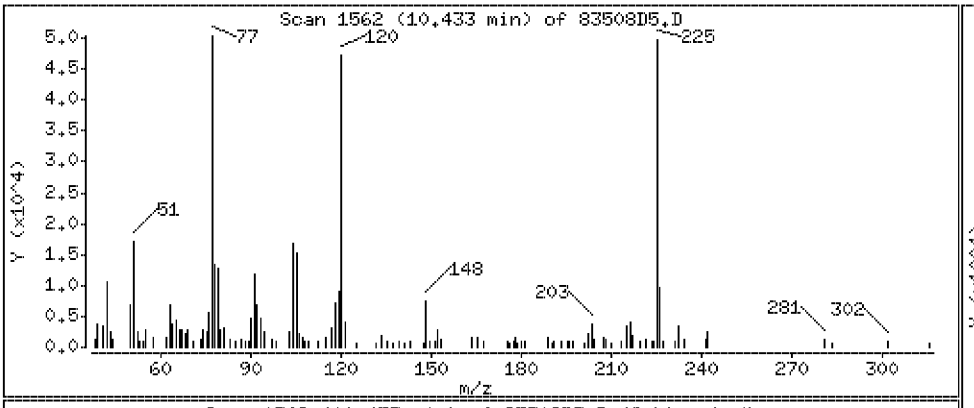
Operator: PEL

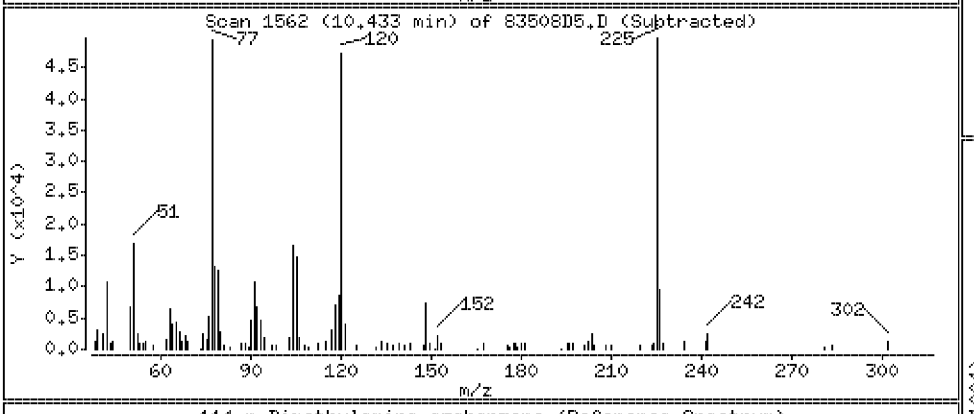
Column phase: HPMS-5

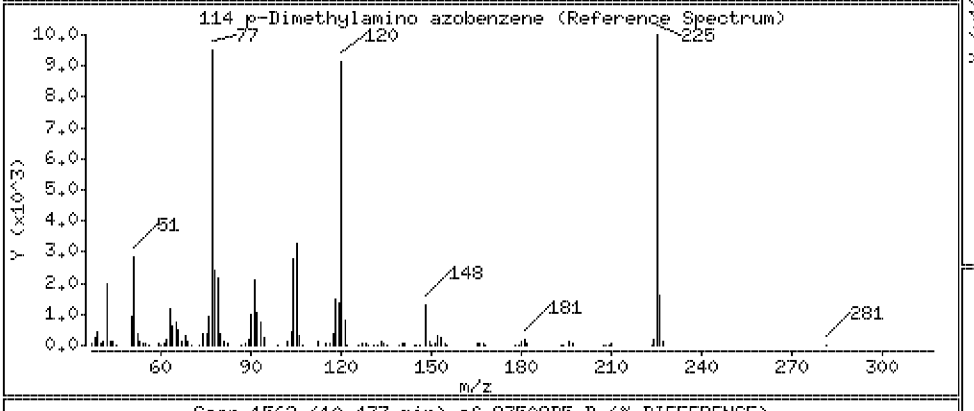
Column diameter: 0.25

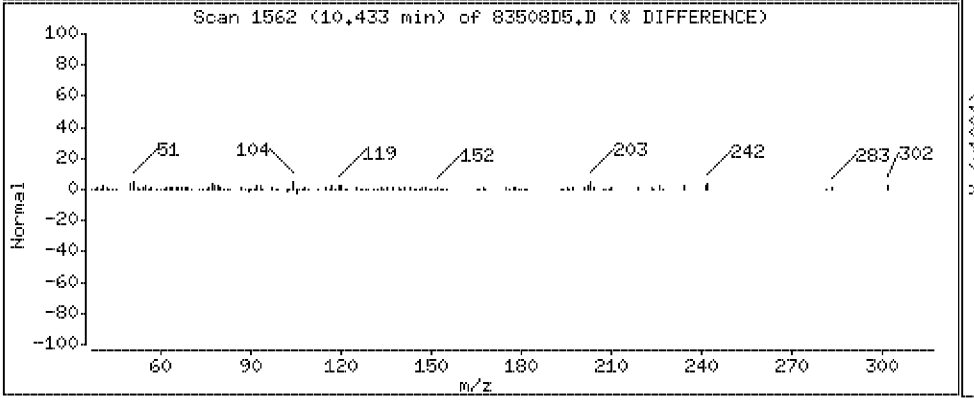
114 p-Dimethylamino azobenzene

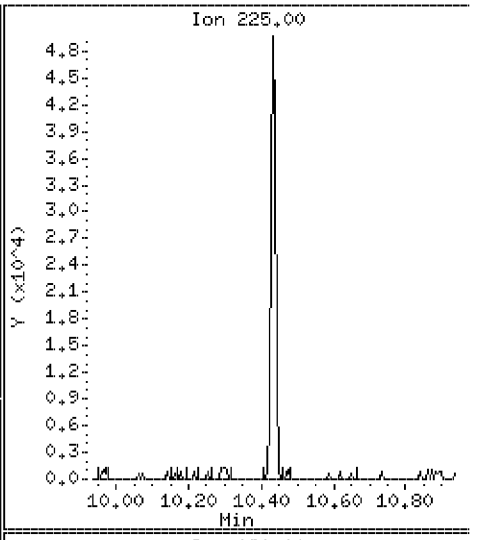
Concentration: 1210 ug/kg

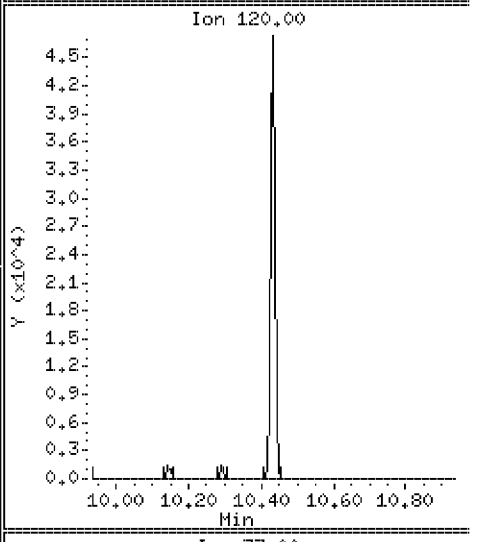


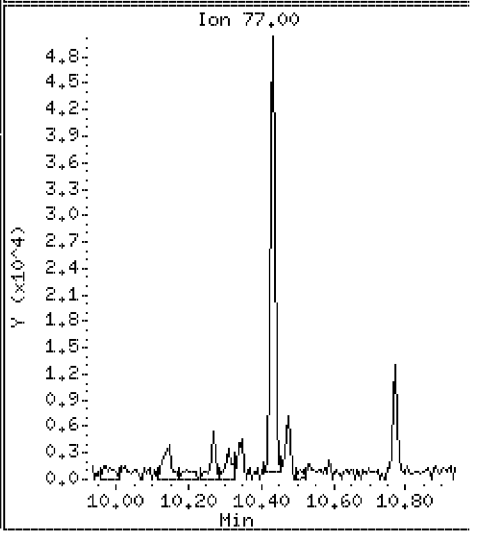












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

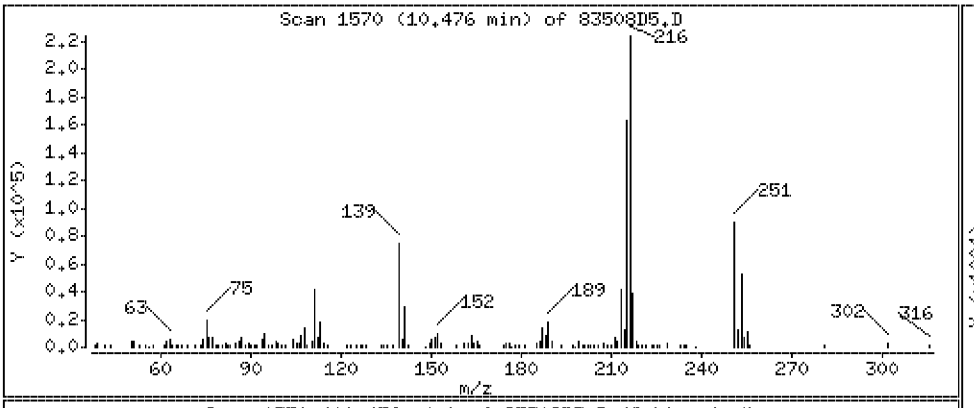
Operator: PEL

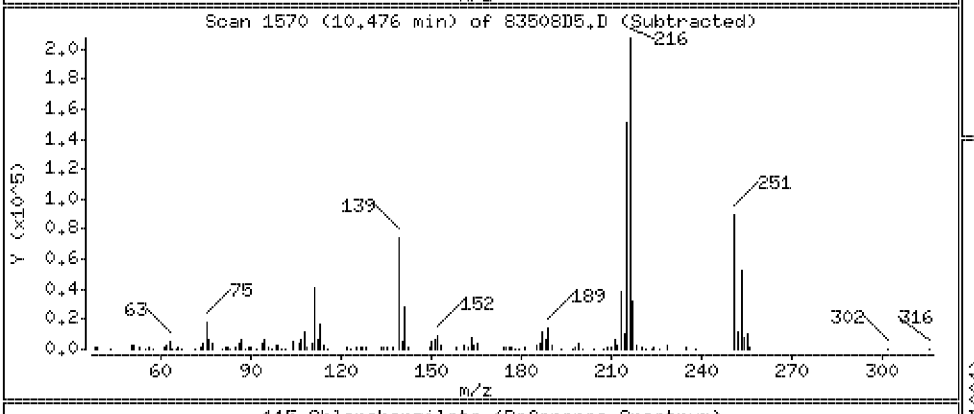
Column phase: HPMS-5

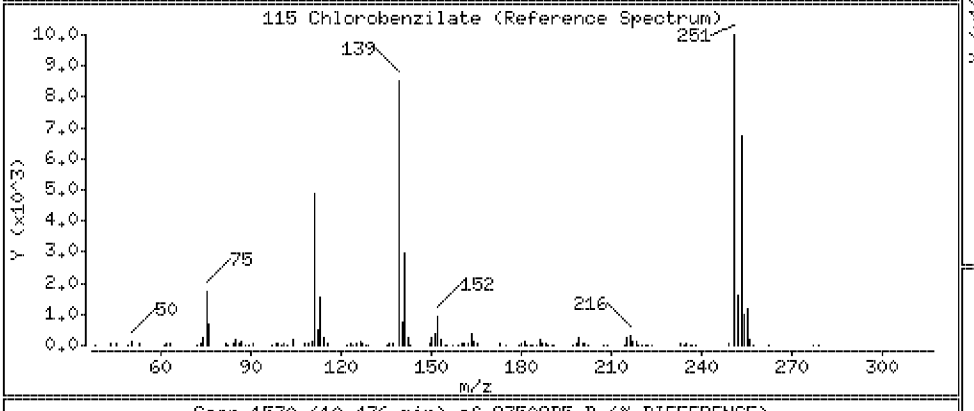
Column diameter: 0.25

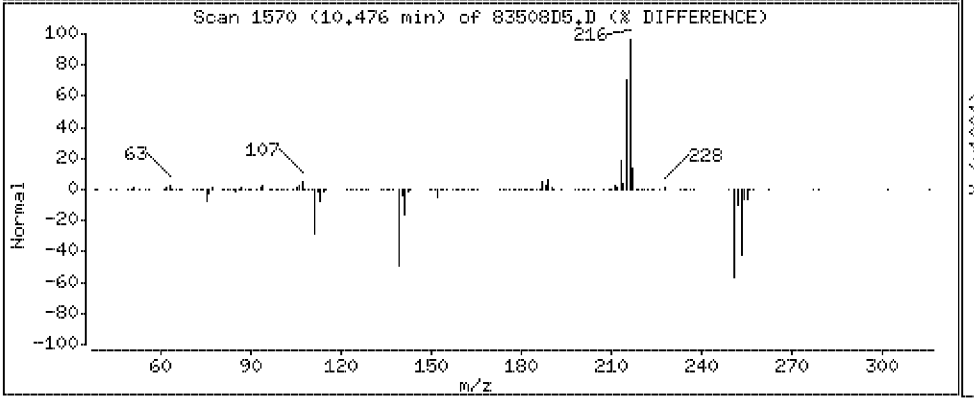
115 Chlorobenzilate

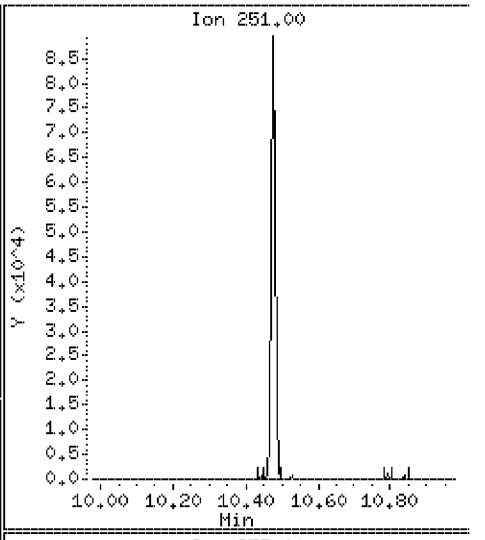
Concentration: 1240 ug/kg

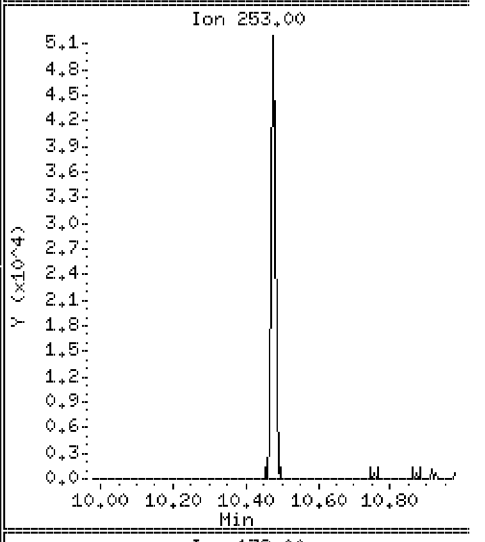


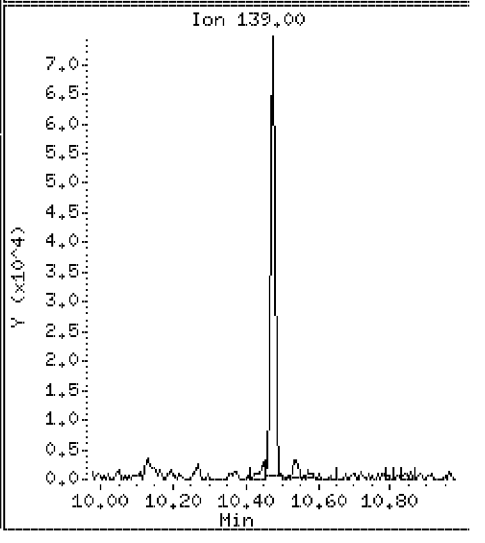












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

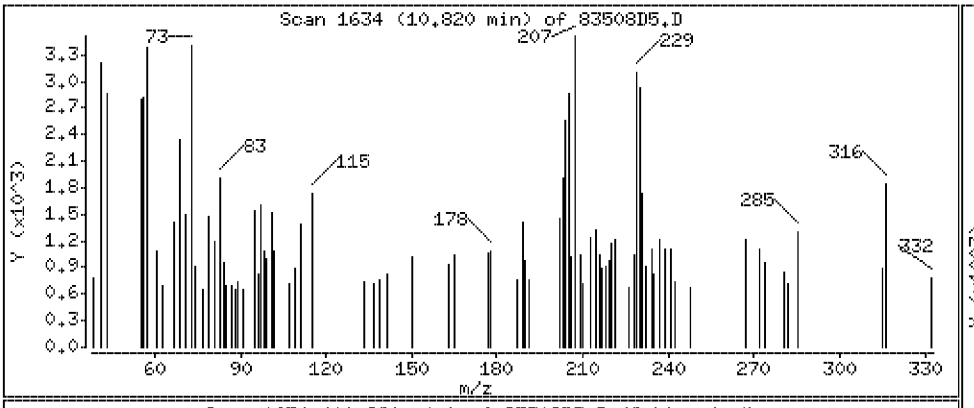
Operator: PEL

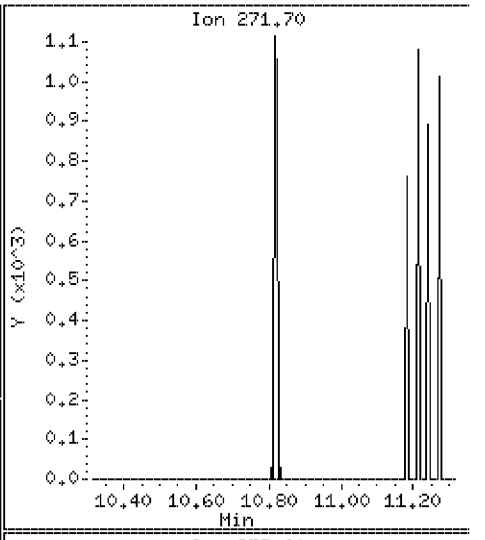
Column phase: HPMS-5

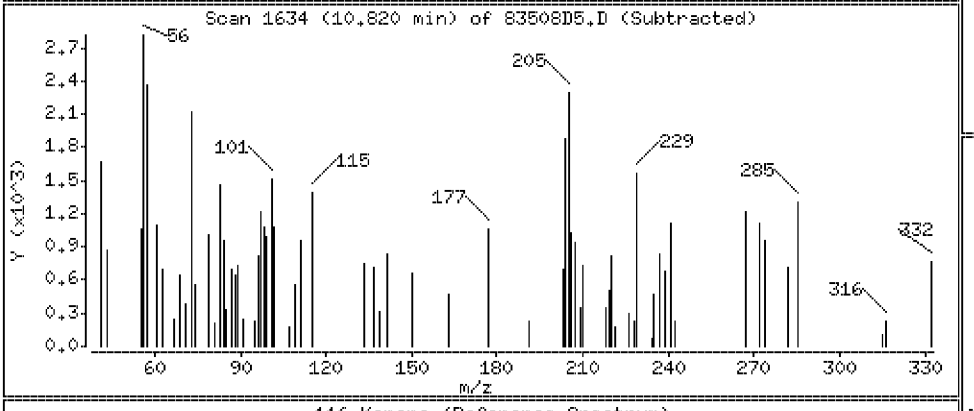
Column diameter: 0.25

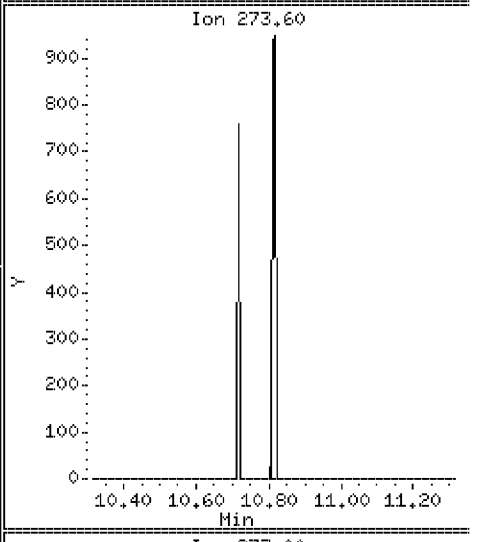
116 Kepone

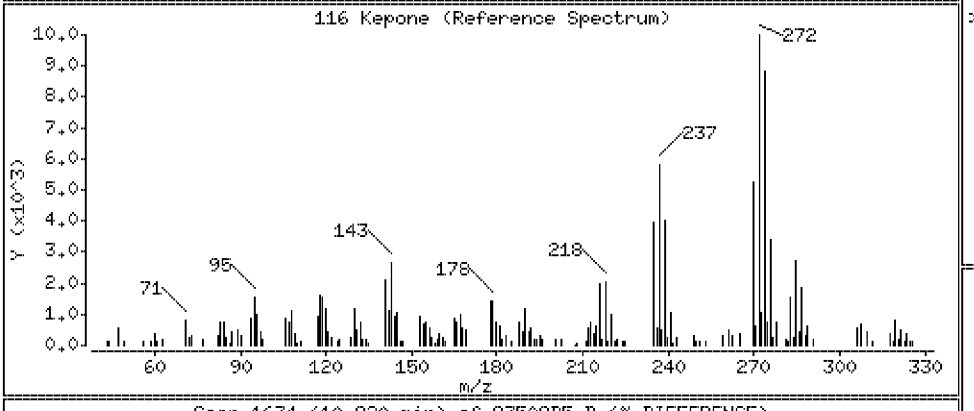
Concentration: 68.7 ug/kg

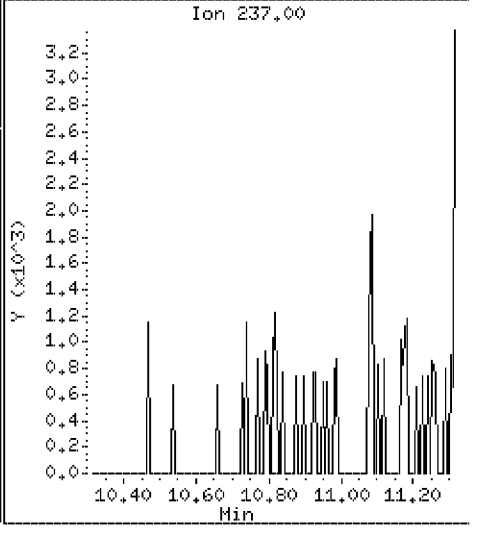


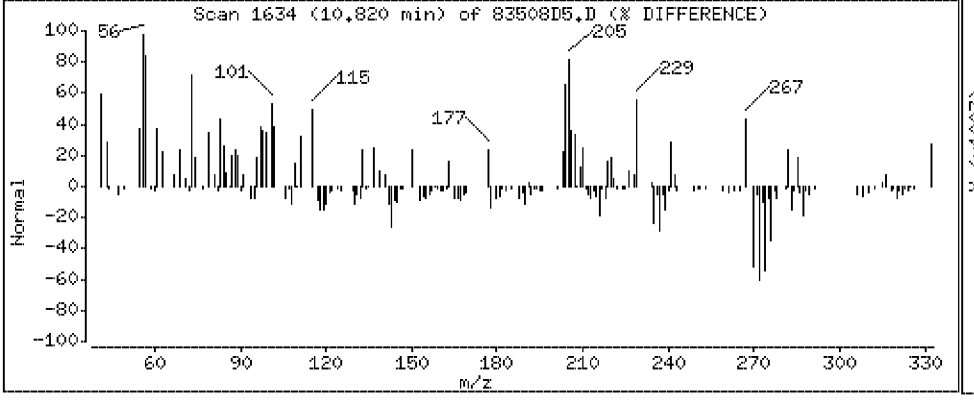












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

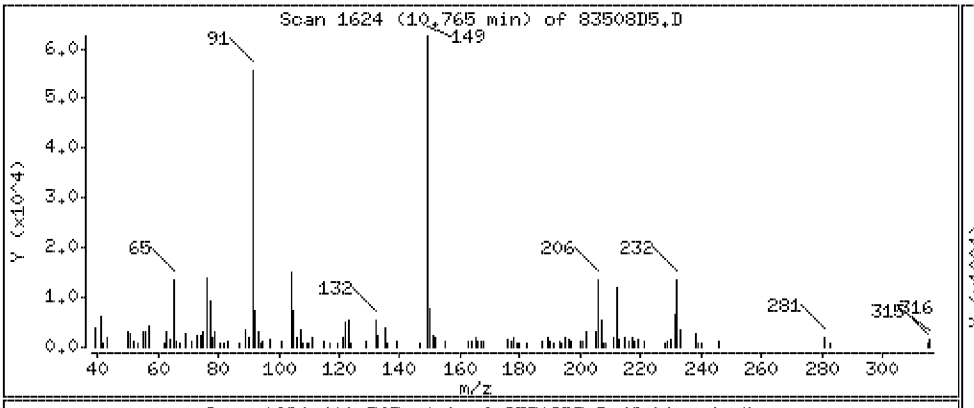
Operator: PEL

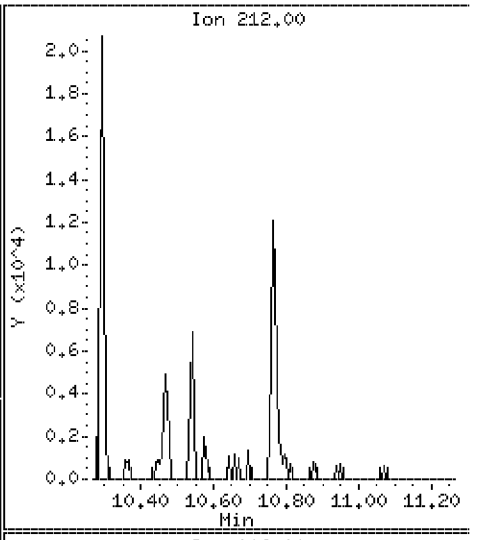
Column phase: HPMS-5

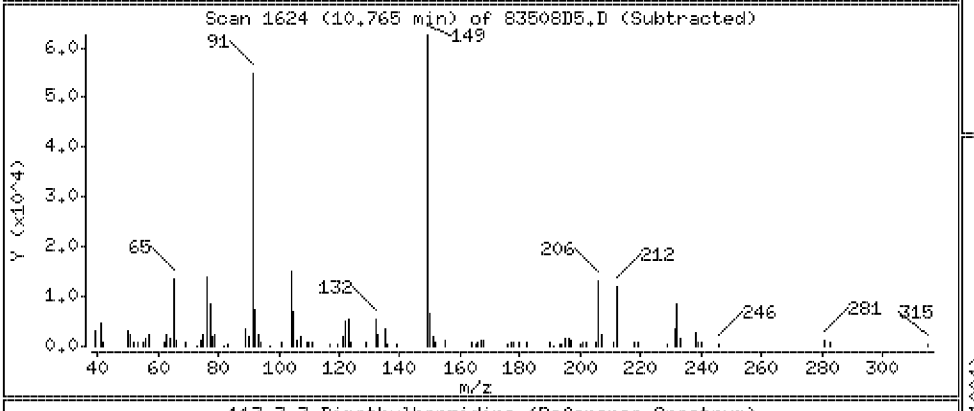
Column diameter: 0.25

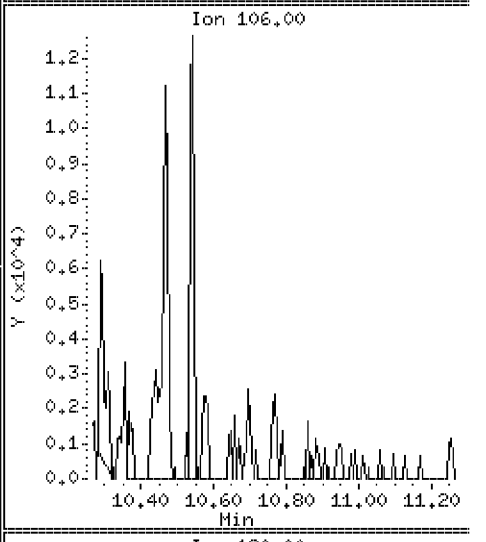
117 3,3-Dimethylbenzidine

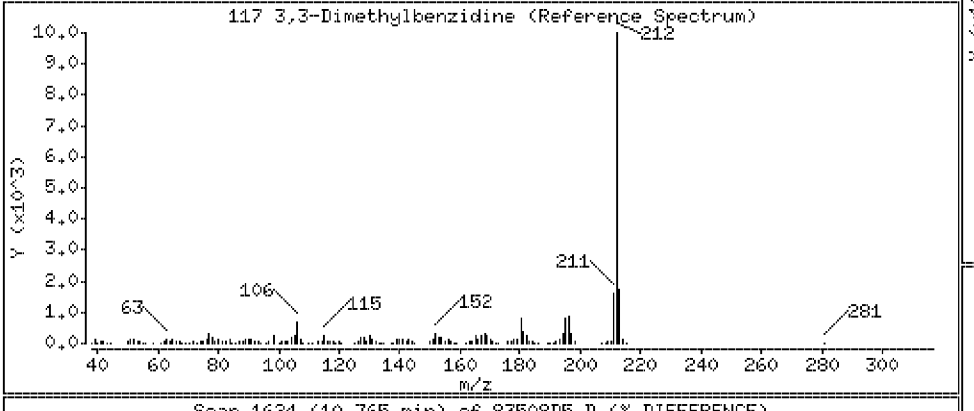
Concentration: 117 ug/kg

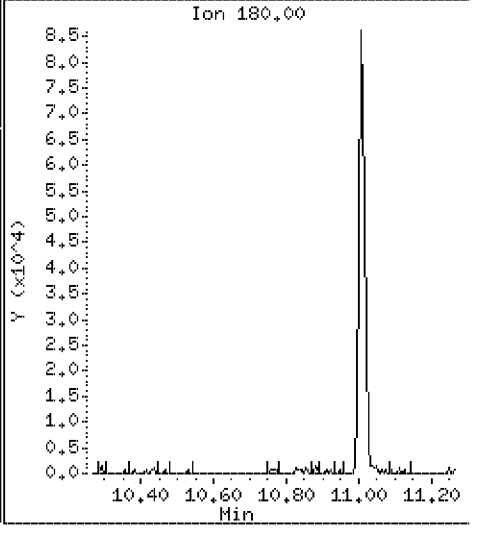


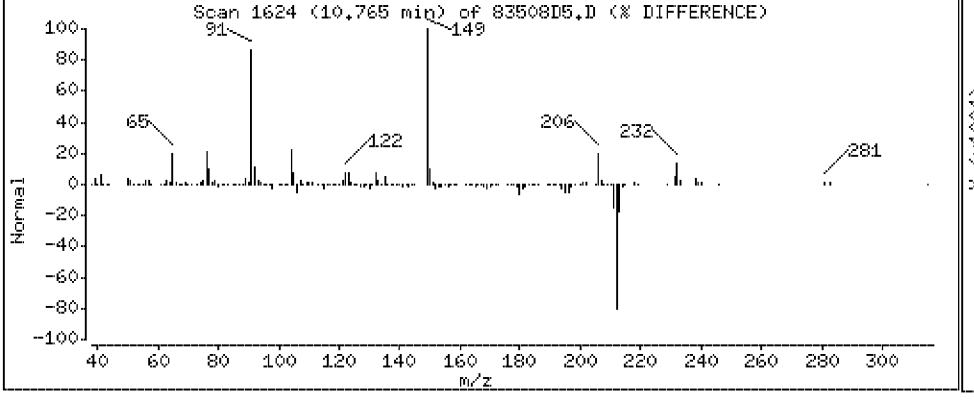












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

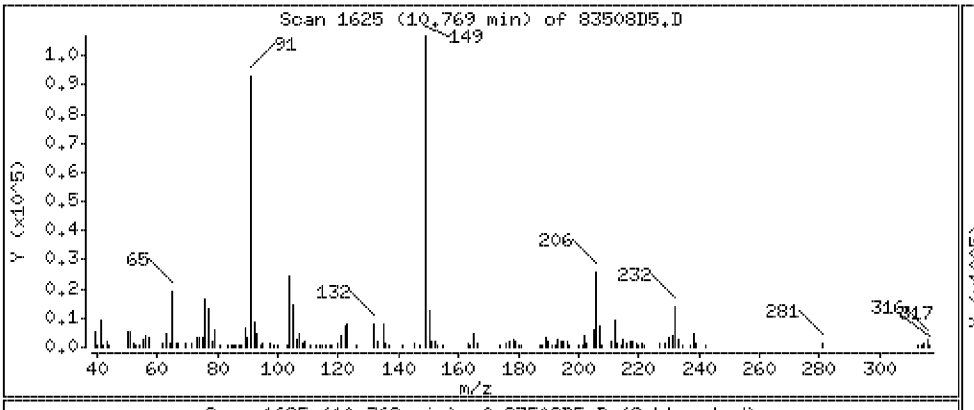
Operator: PEL

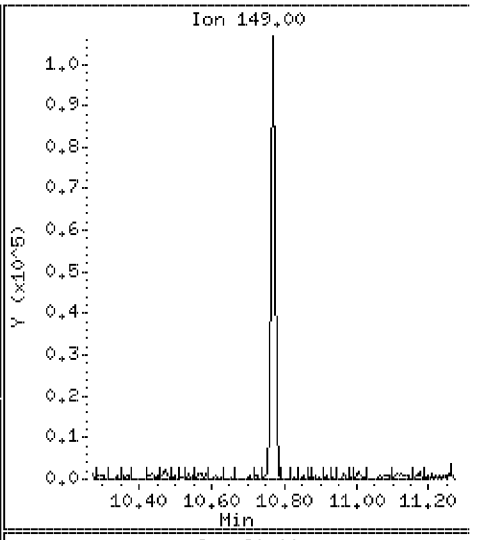
Column phase: HPMS-5

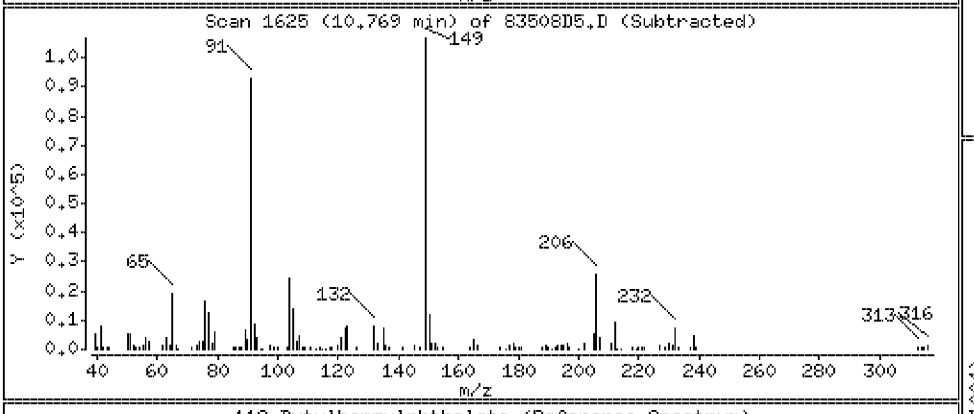
Column diameter: 0.25

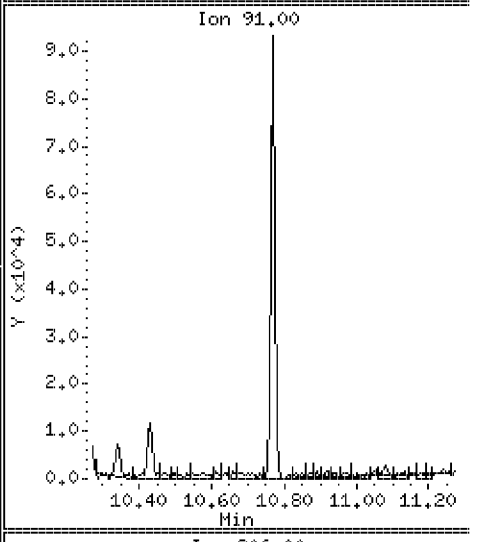
118 Butylbenzylphthalate

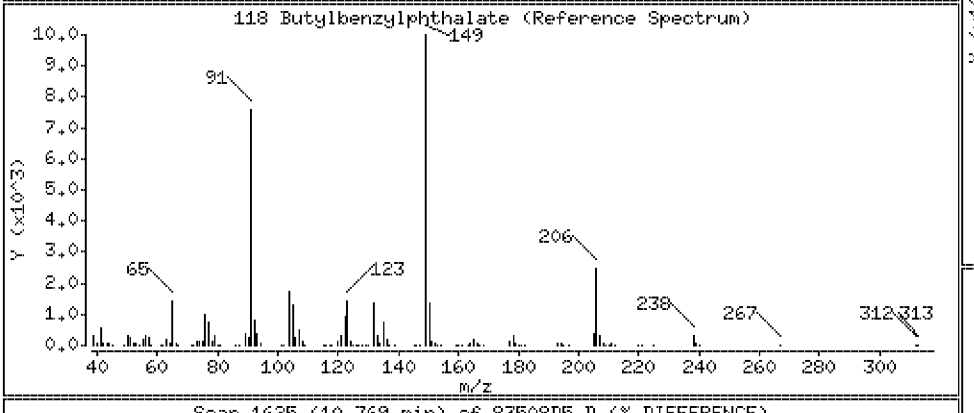
Concentration: 1560 ug/kg

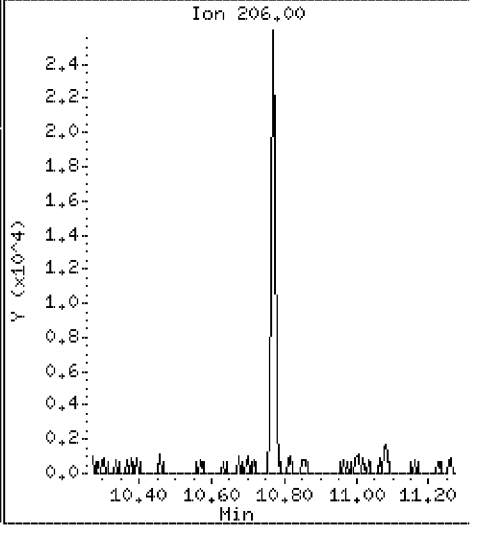


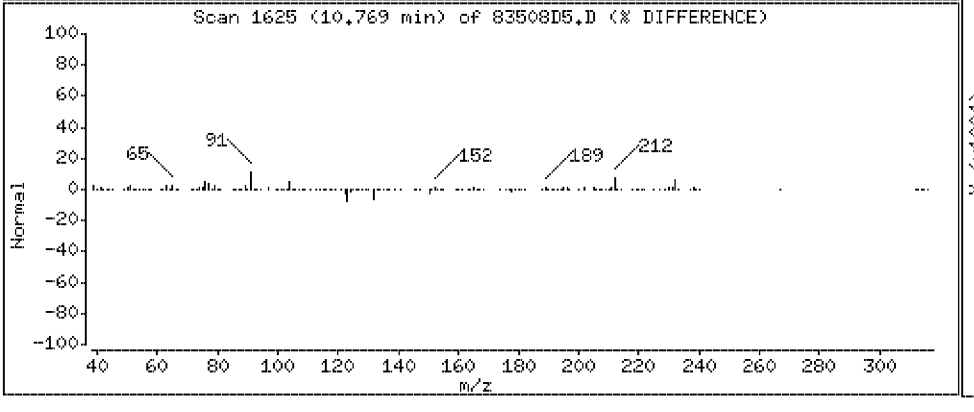












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

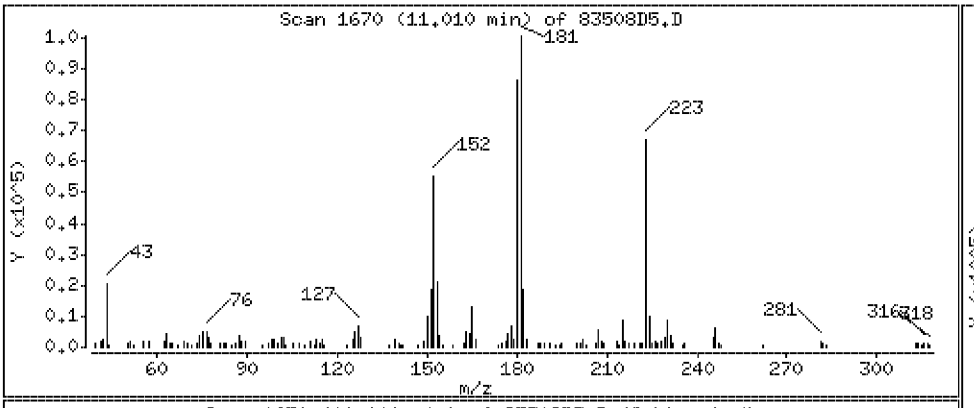
Operator: PEL

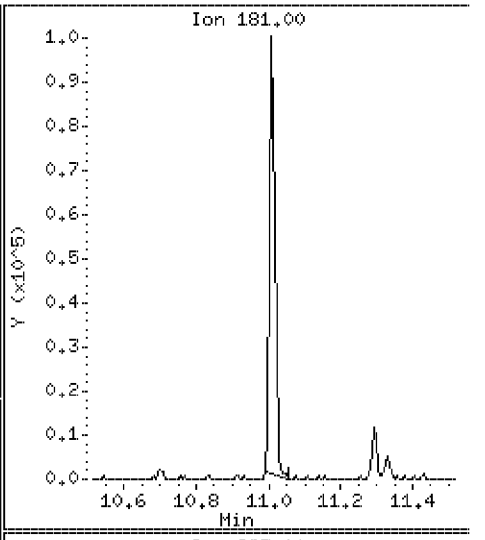
Column phase: HPMS-5

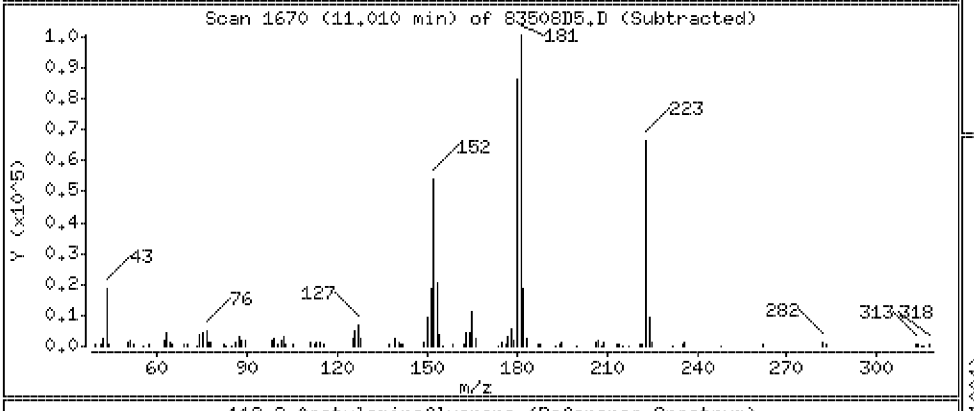
Column diameter: 0.25

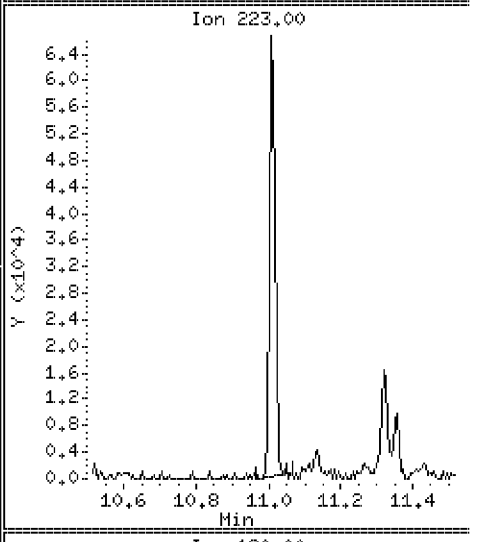
119 2-Acetylaminofluorene

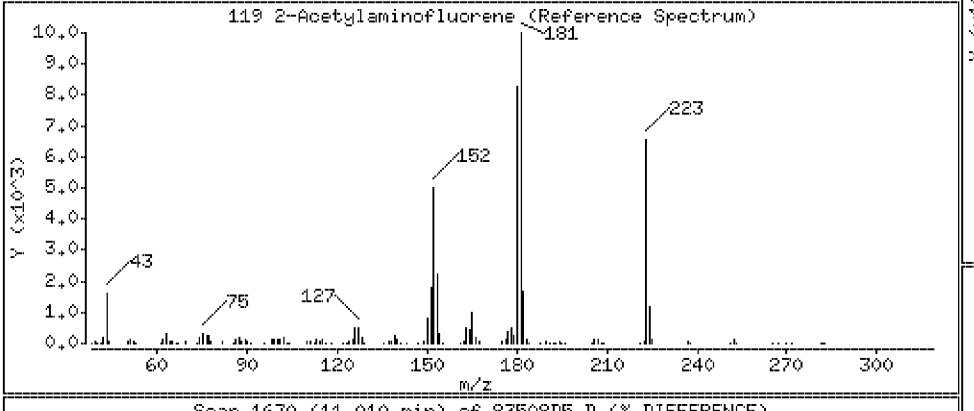
Concentration: 1390 ug/kg

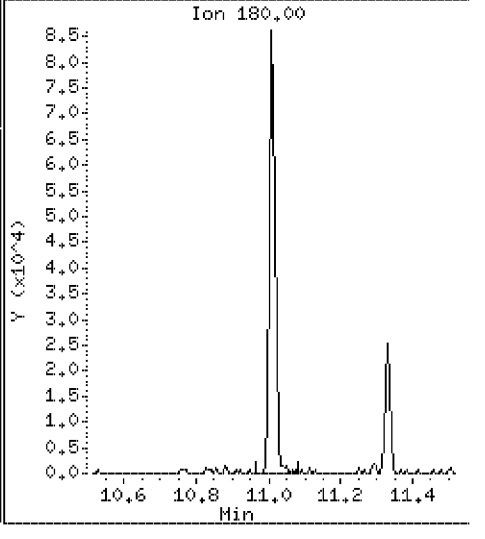


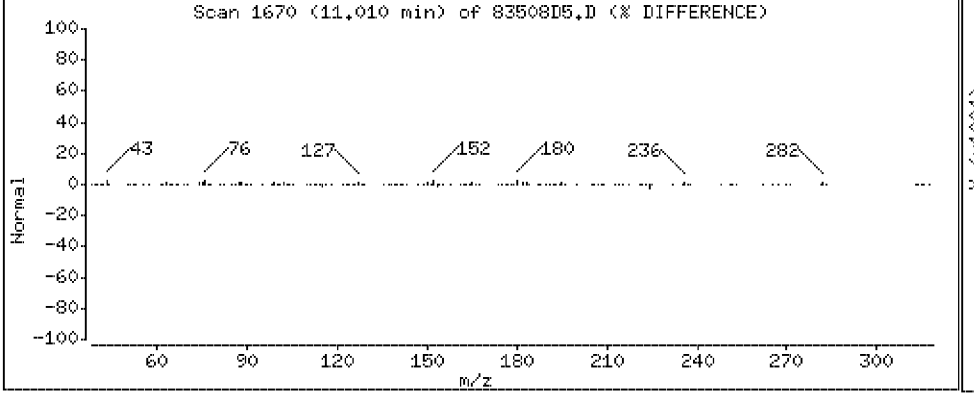












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

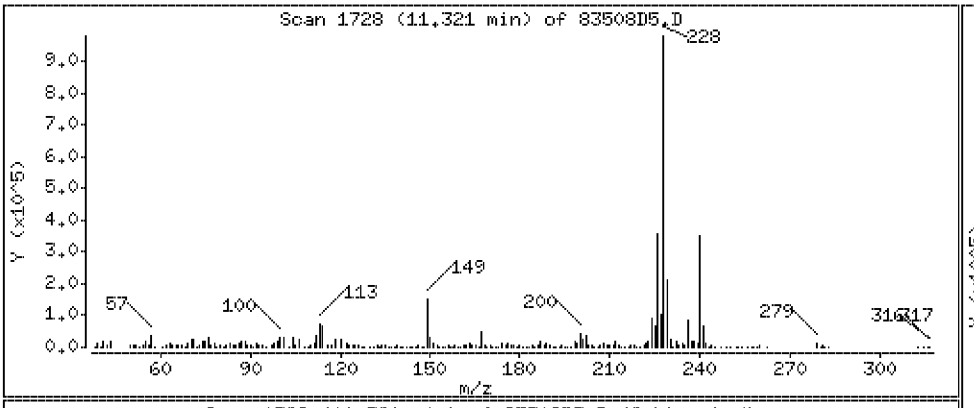
Operator: PEL

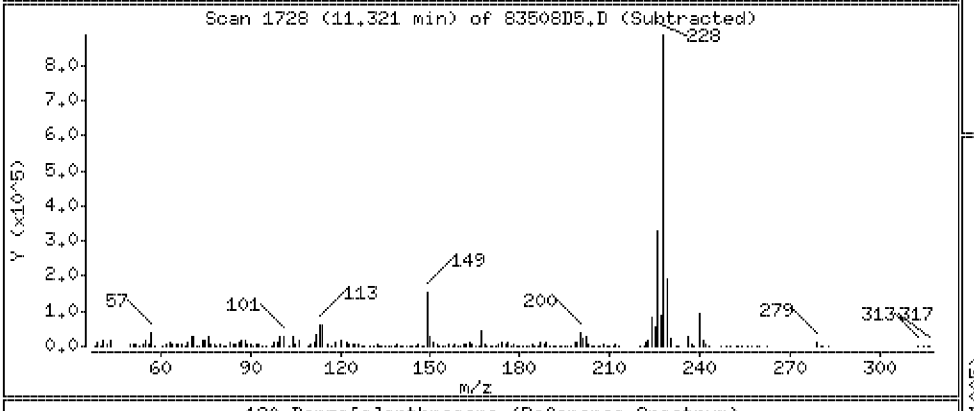
Column phase: HPMS-5

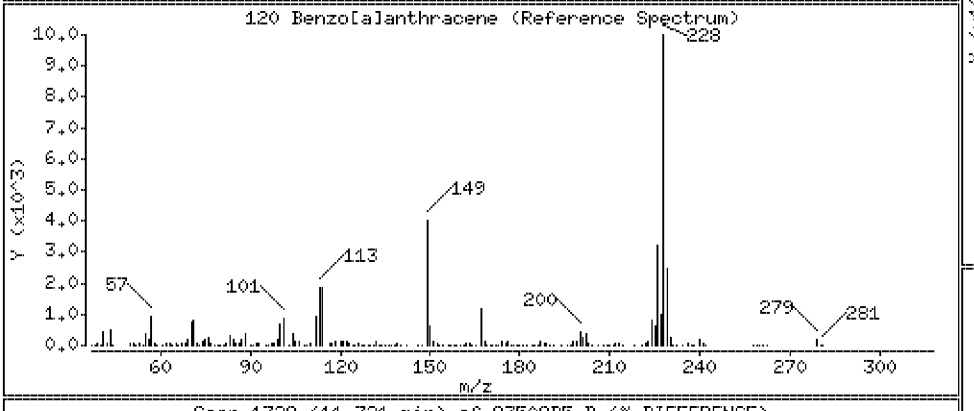
Column diameter: 0.25

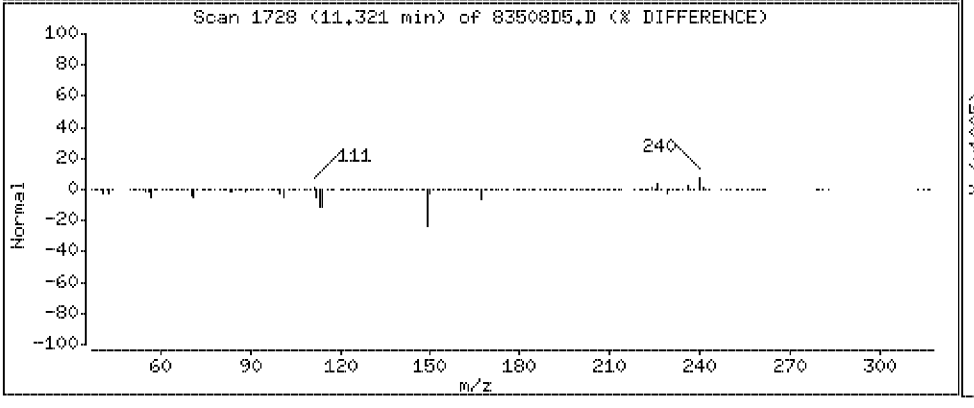
120 Benzo[a]anthracene

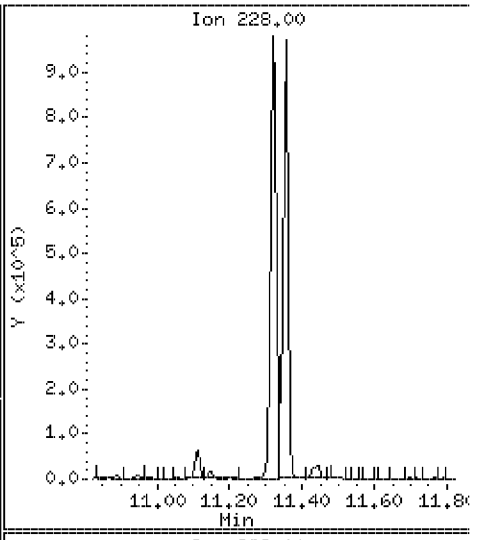
Concentration: 6800 ug/kg

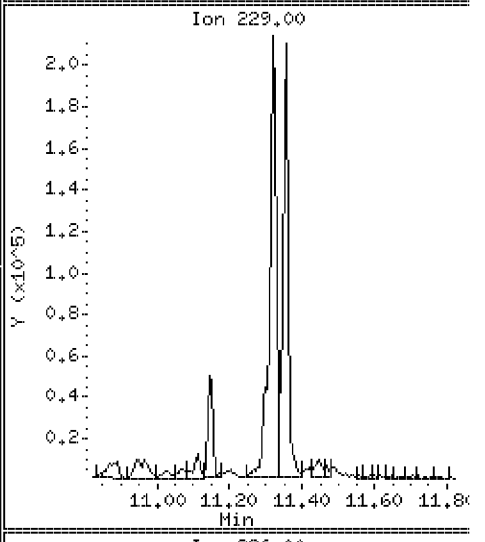


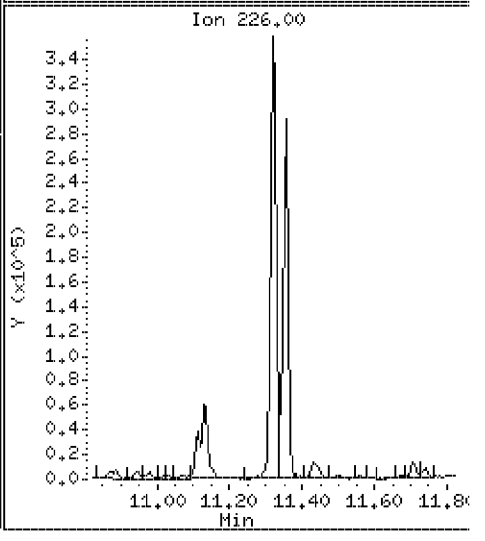












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

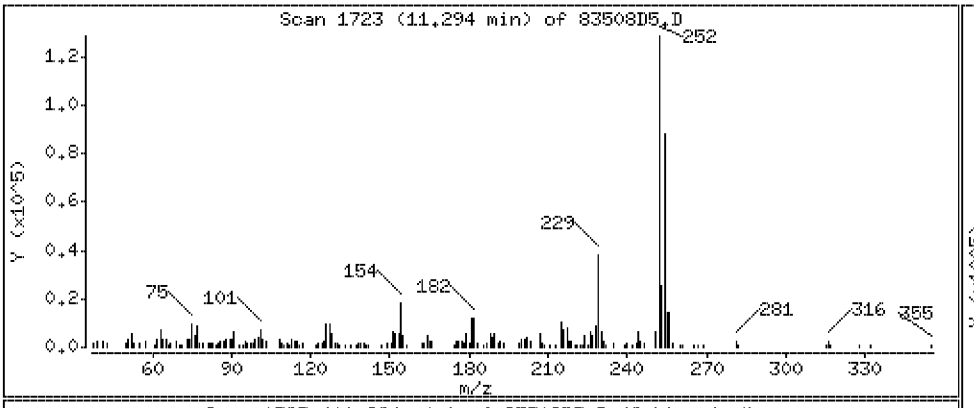
Operator: PEL

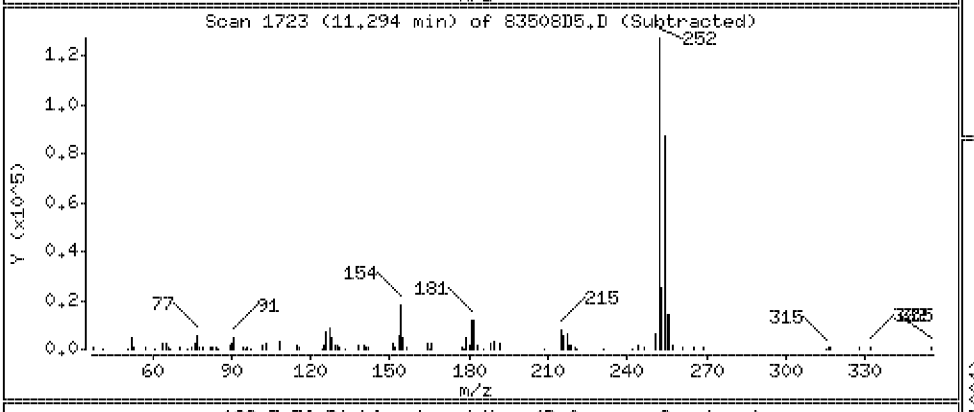
Column phase: HPMS-5

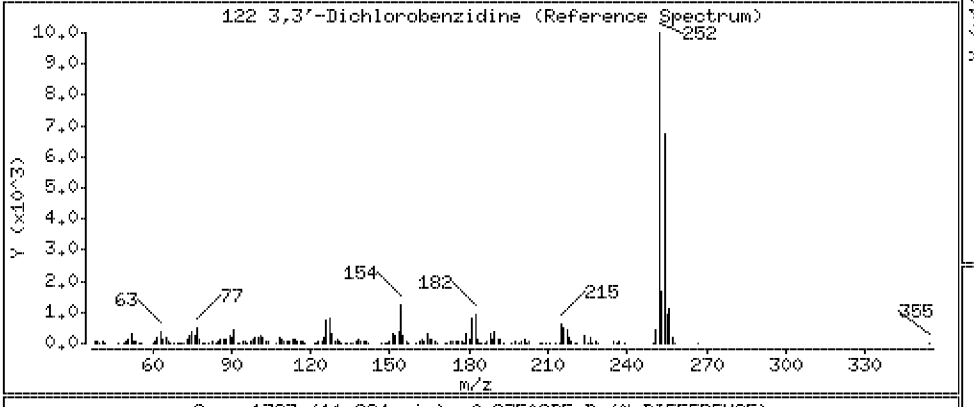
Column diameter: 0.25

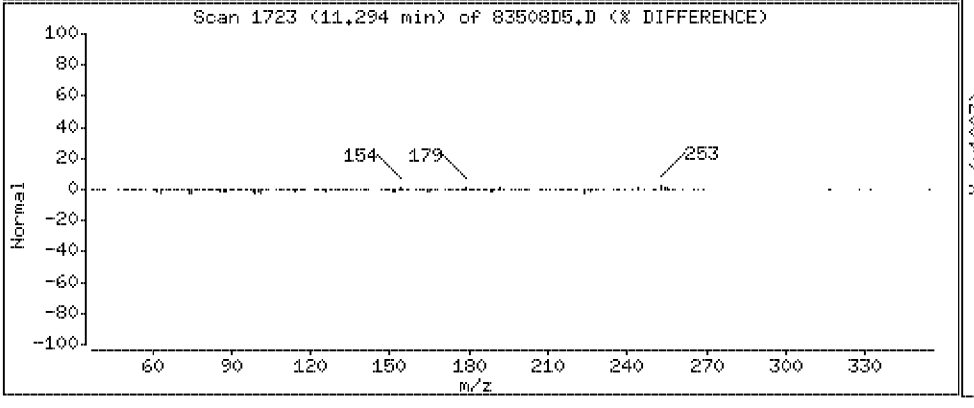
122 3,3'-Dichlorobenzidine

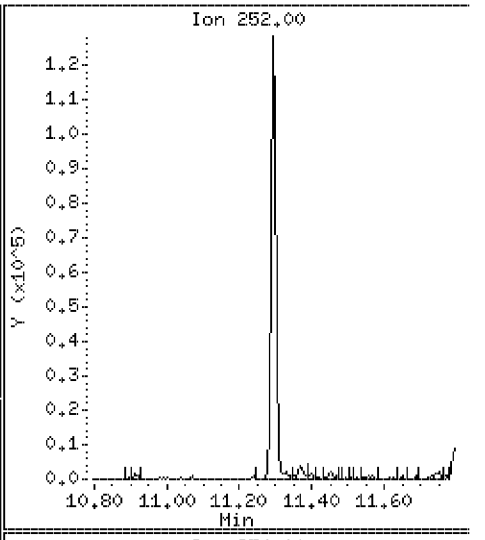
Concentration: 1640 ug/kg

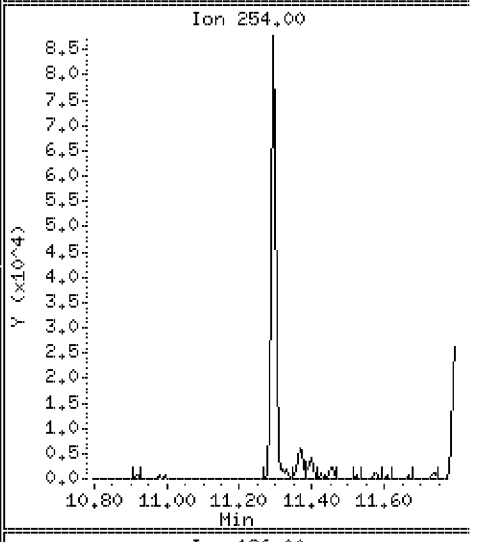


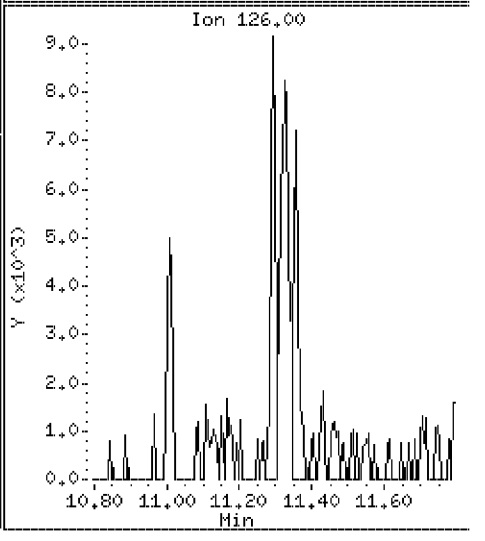












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

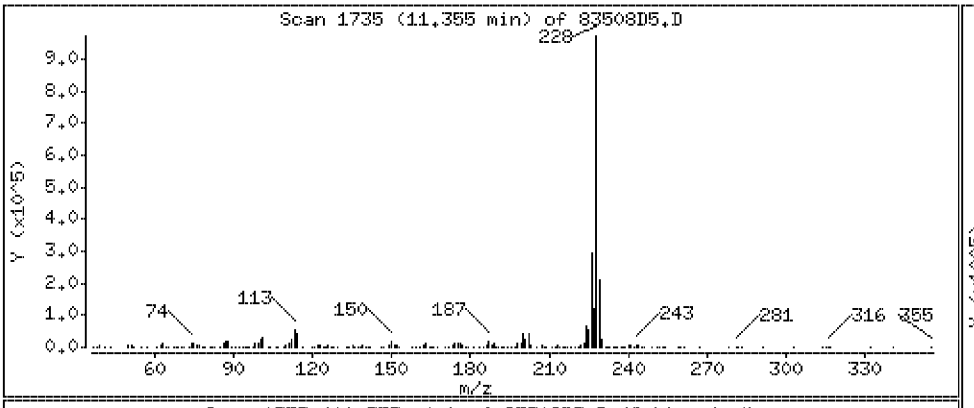
Operator: PEL

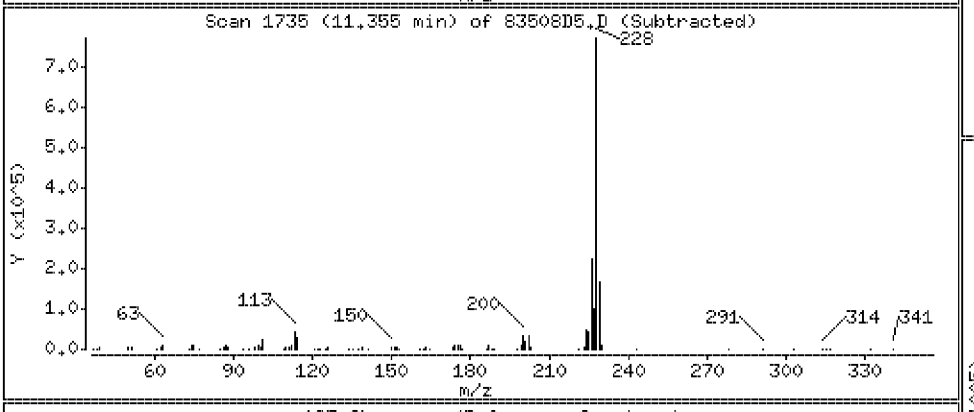
Column phase: HPMS-5

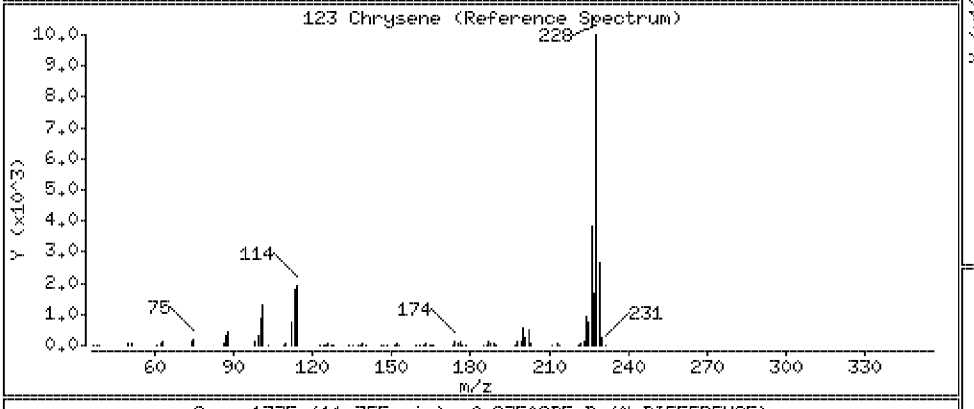
Column diameter: 0.25

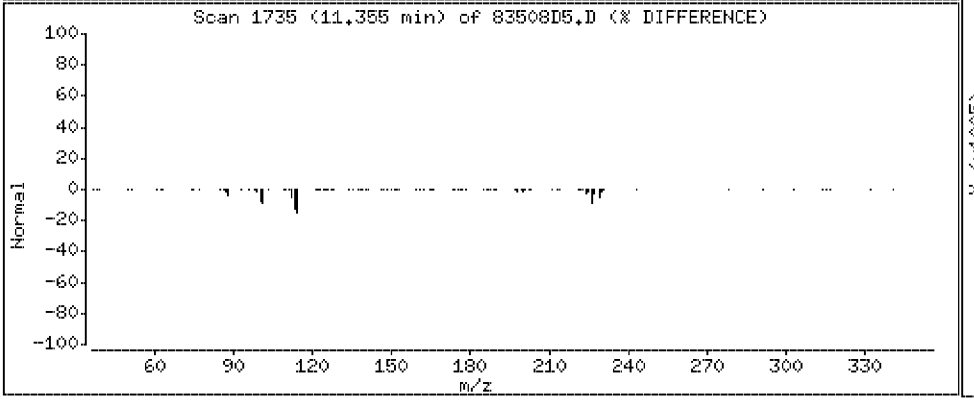
123 Chrysene

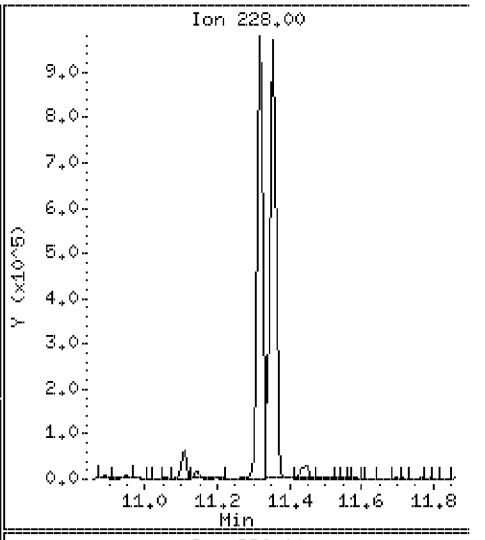
Concentration: 6150 ug/kg

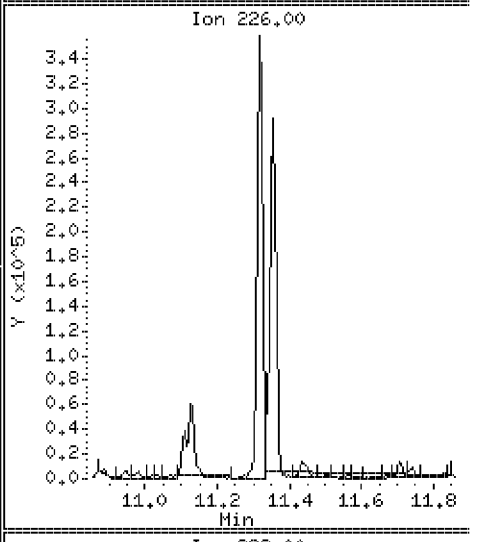


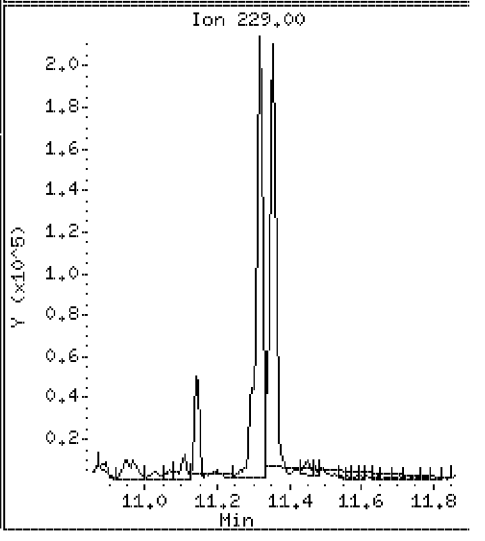












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

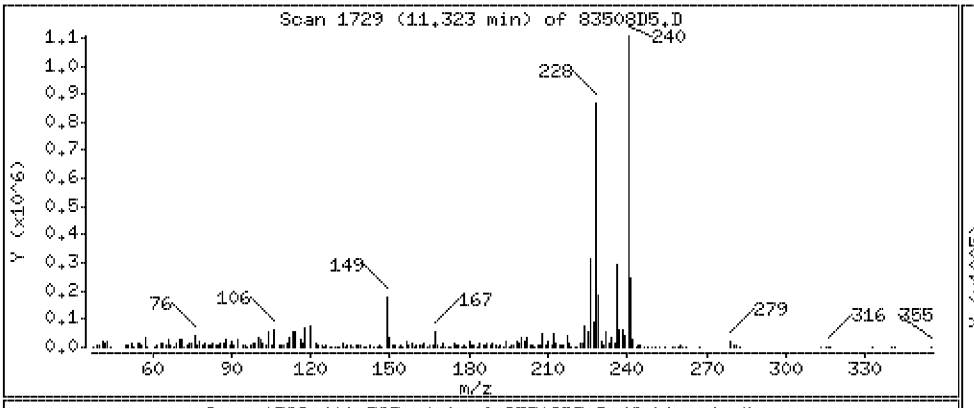
Operator: PEL

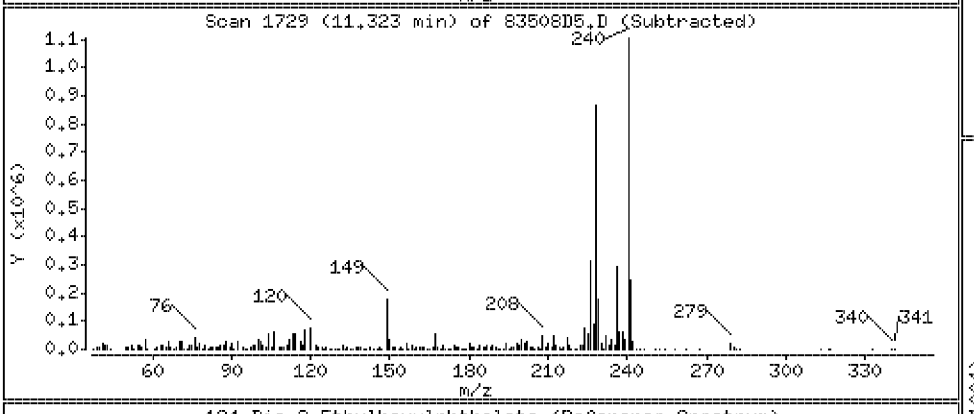
Column phase: HPMS-5

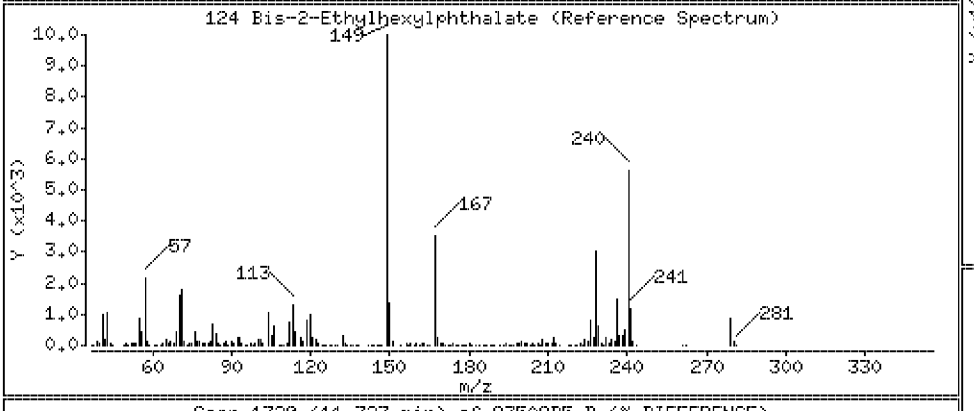
Column diameter: 0.25

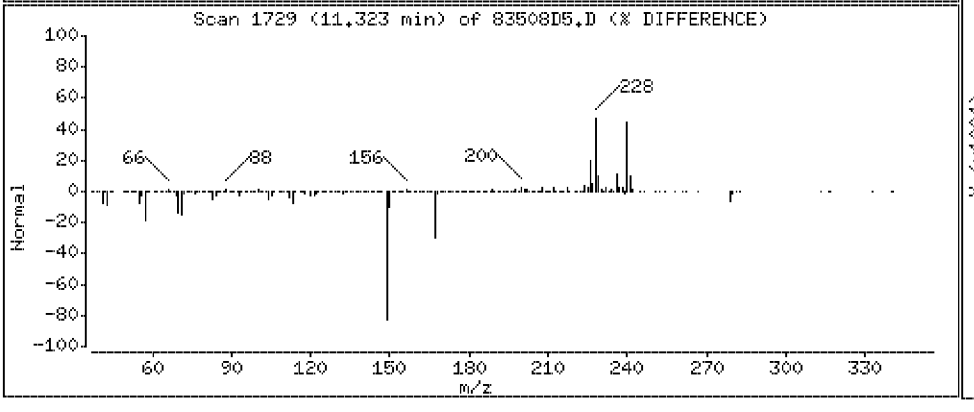
124 Bis-2-Ethylhexylphthalate

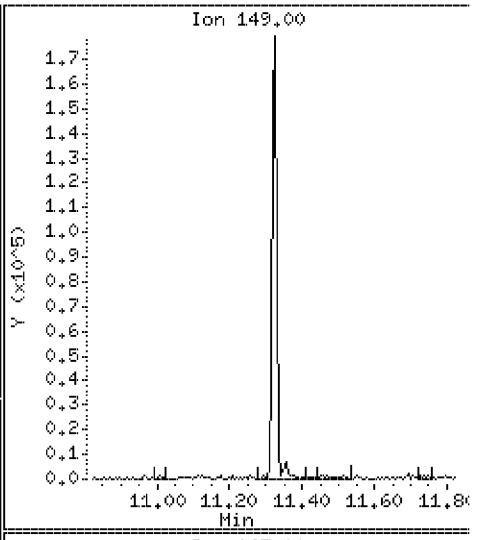
Concentration: 1710 ug/kg

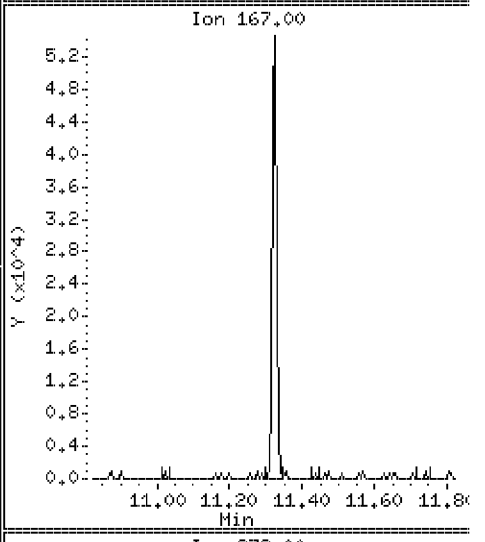


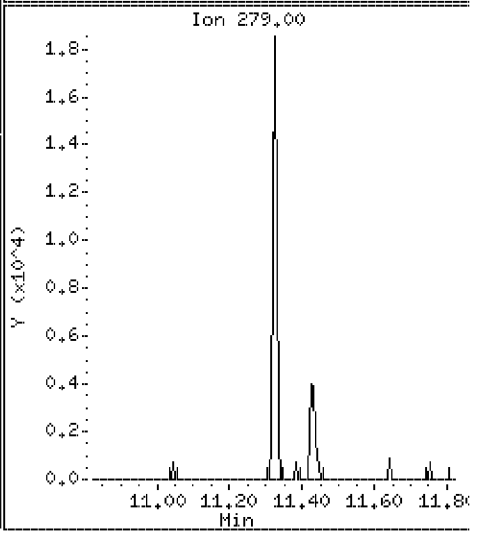












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

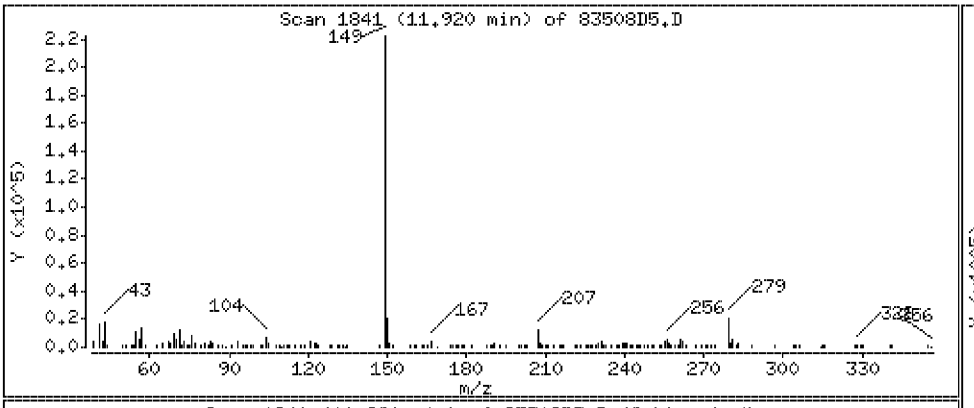
Operator: PEL

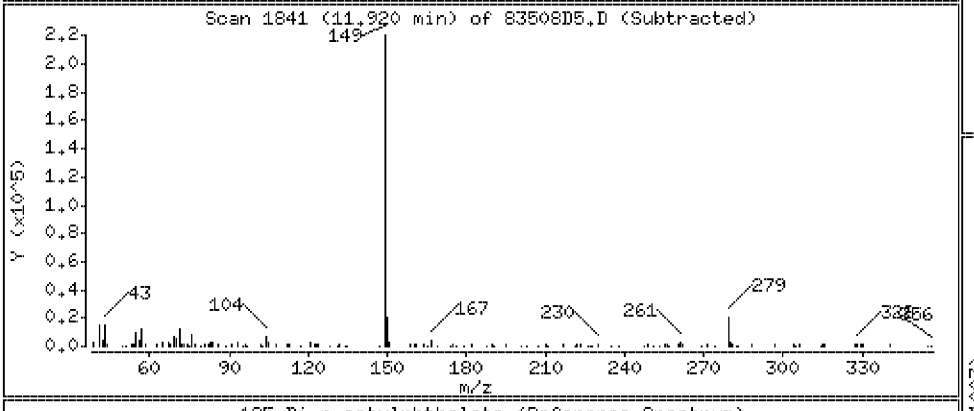
Column phase: HPMS-5

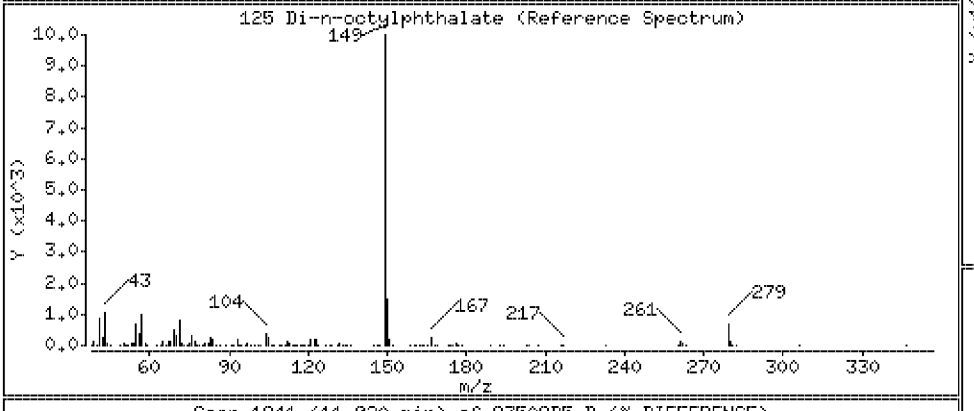
Column diameter: 0.25

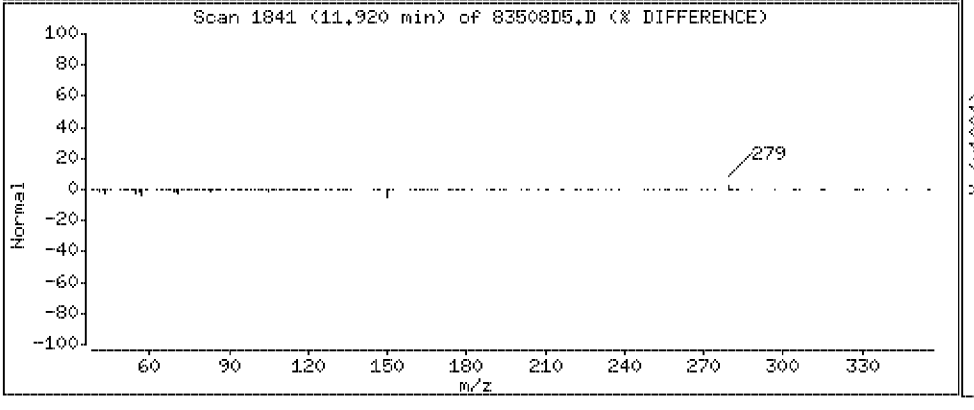
125 Di-n-octylphthalate

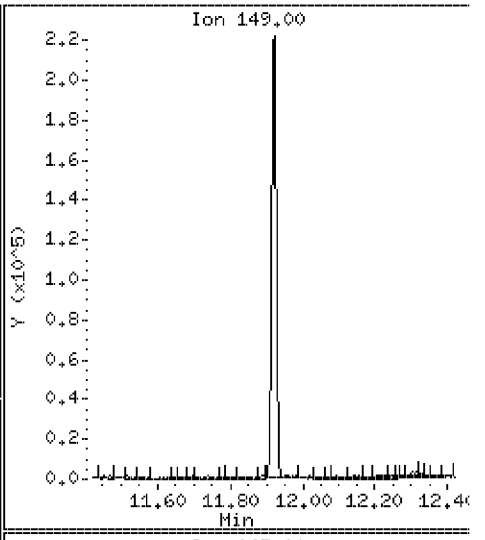
Concentration: 1550 ug/kg

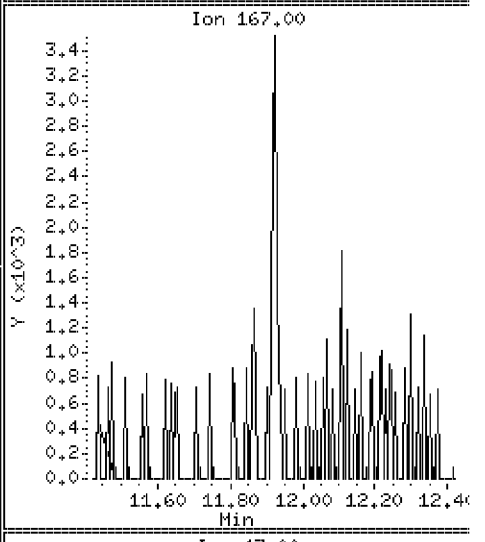


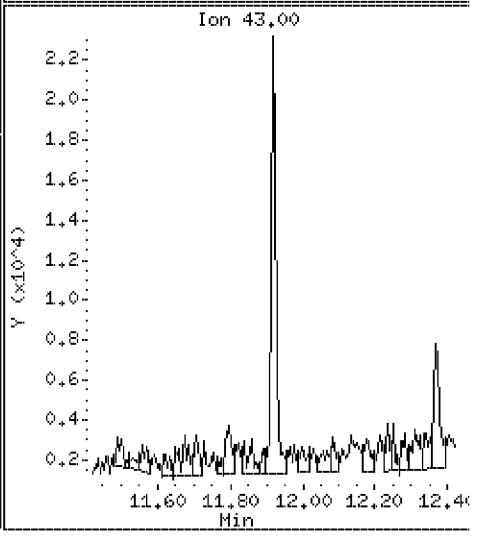












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

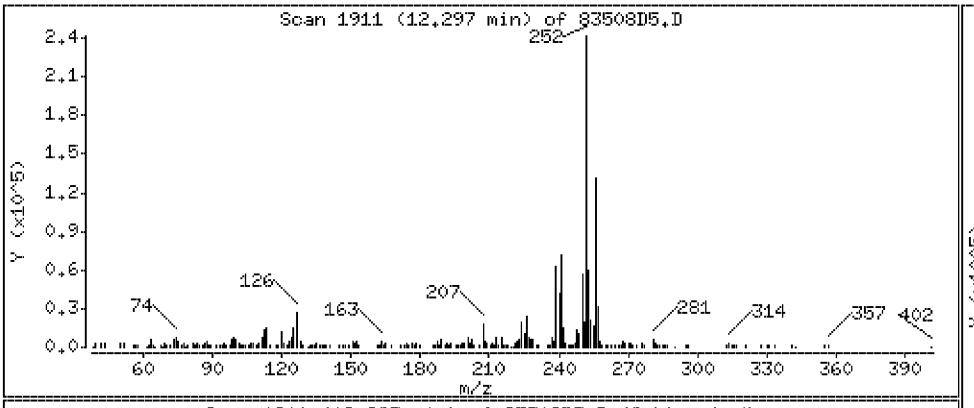
Operator: PEL

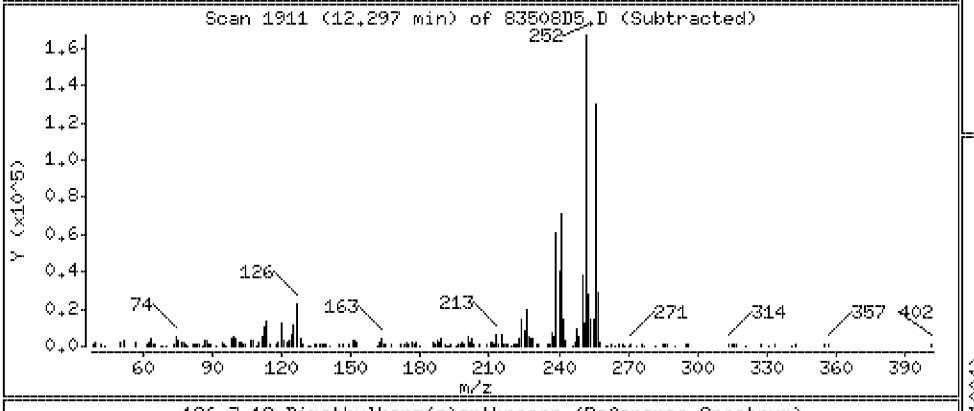
Column phase: HPMS-5

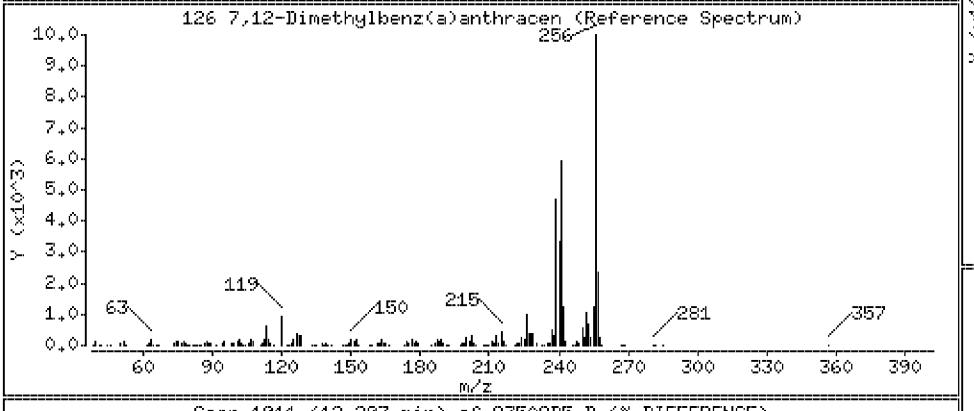
Column diameter: 0.25

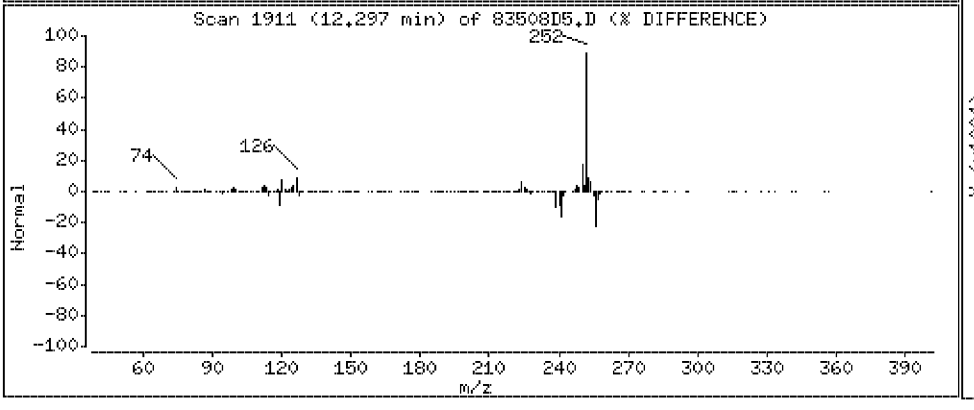
126 7,12-Dimethylbenz(a)anthracen

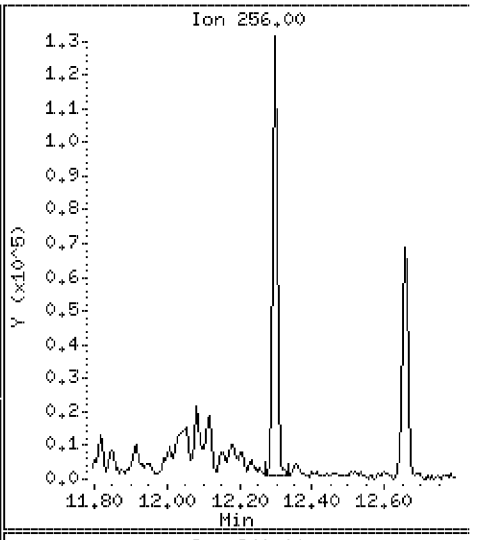
Concentration: 1360 ug/kg

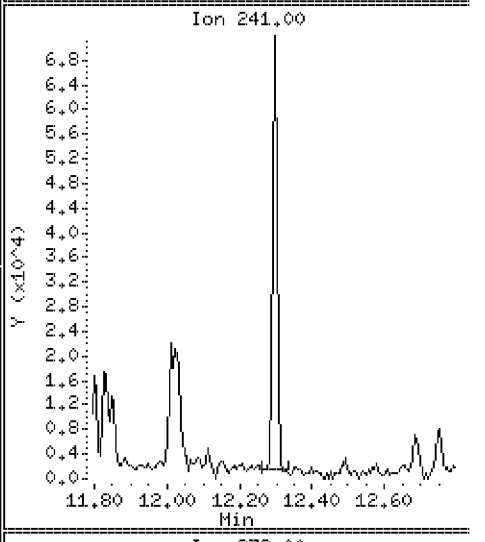


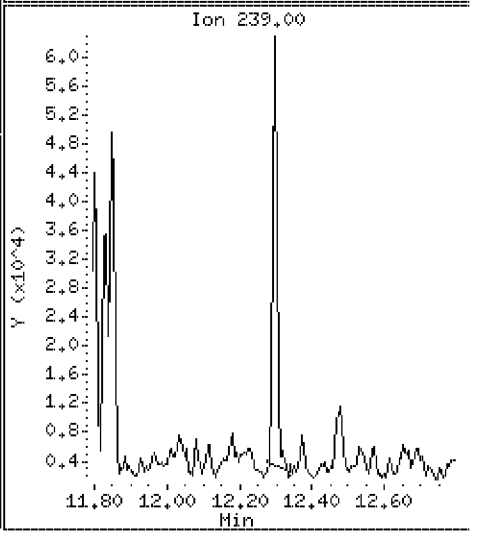












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

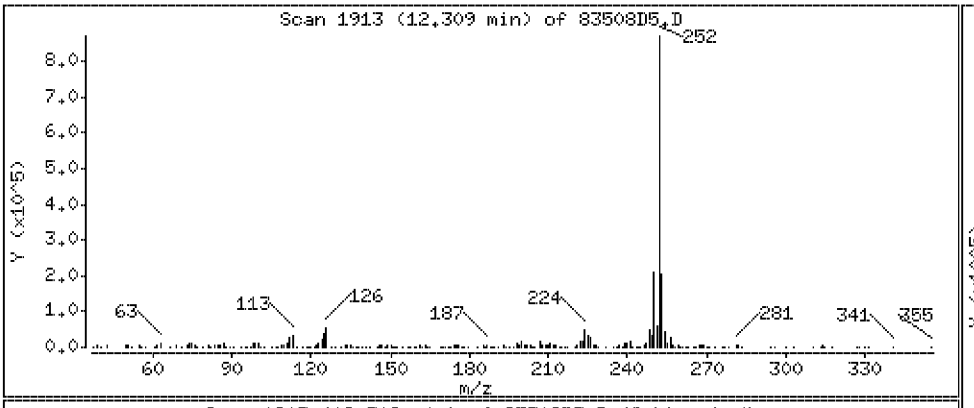
Operator: PEL

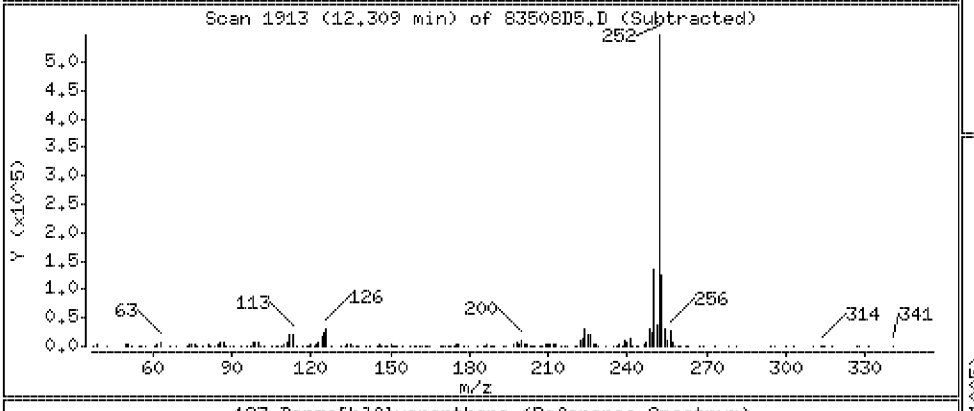
Column phase: HPMS-5

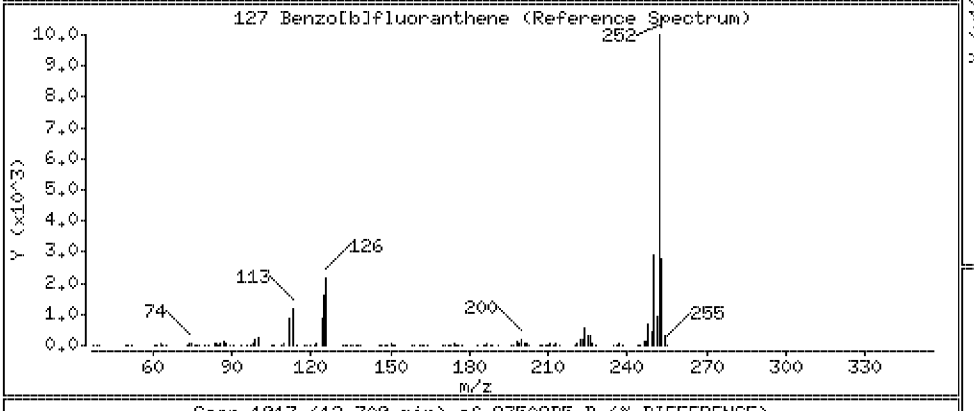
Column diameter: 0.25

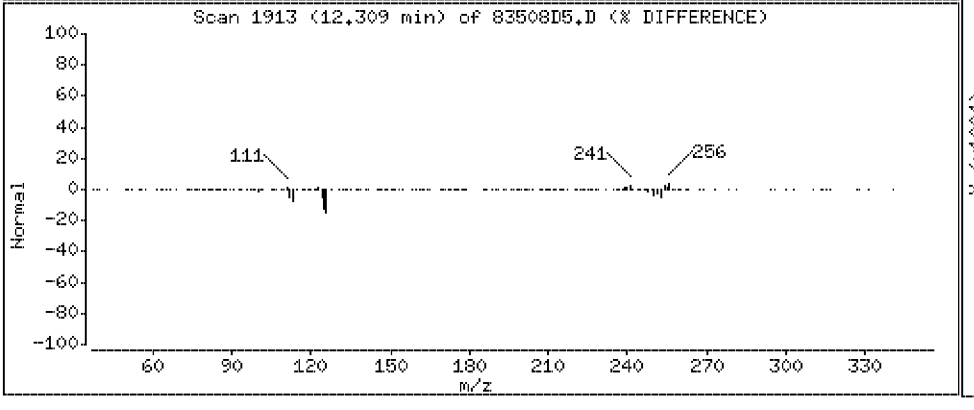
127 Benzo[b]fluoranthene

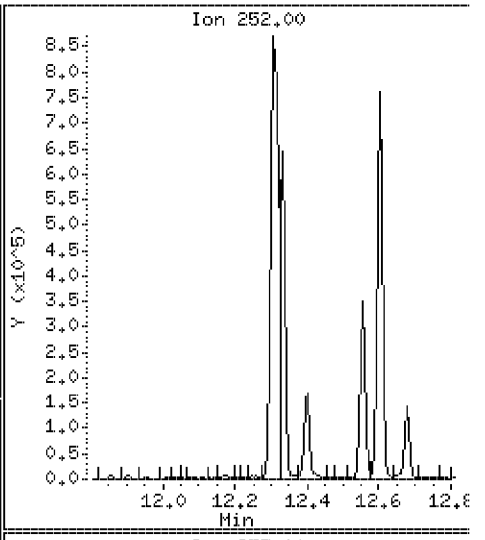
Concentration: 6710 ug/kg

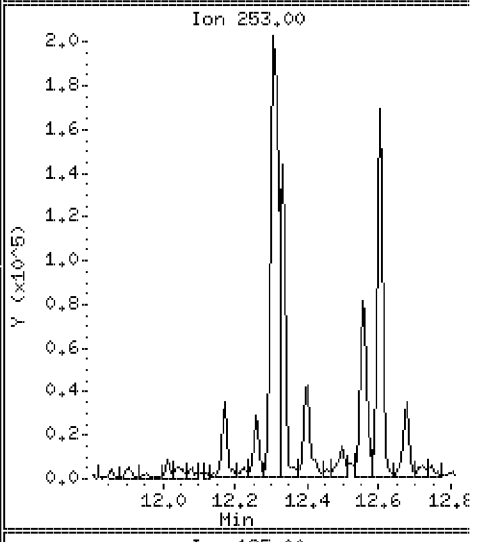


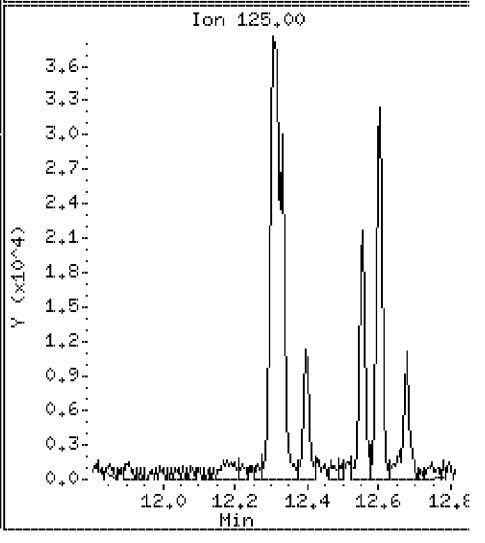












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

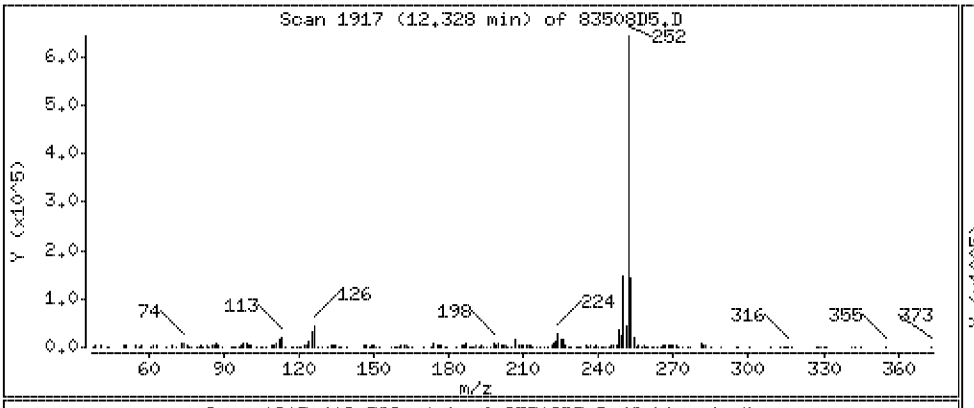
Operator: PEL

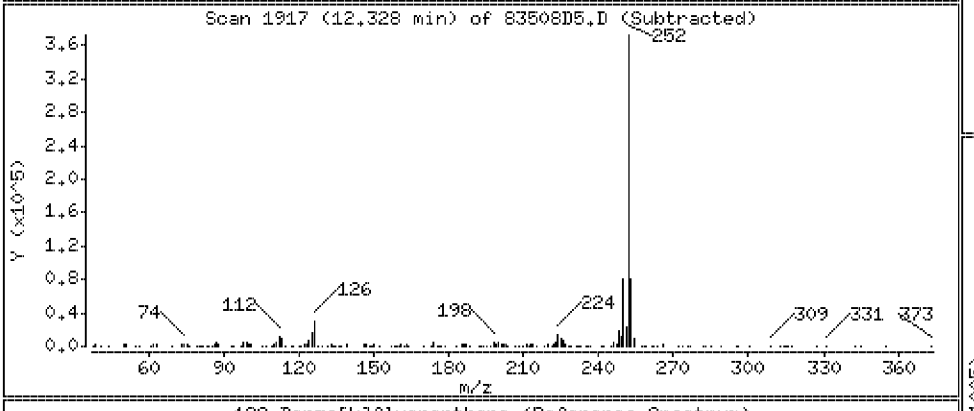
Column phase: HPMS-5

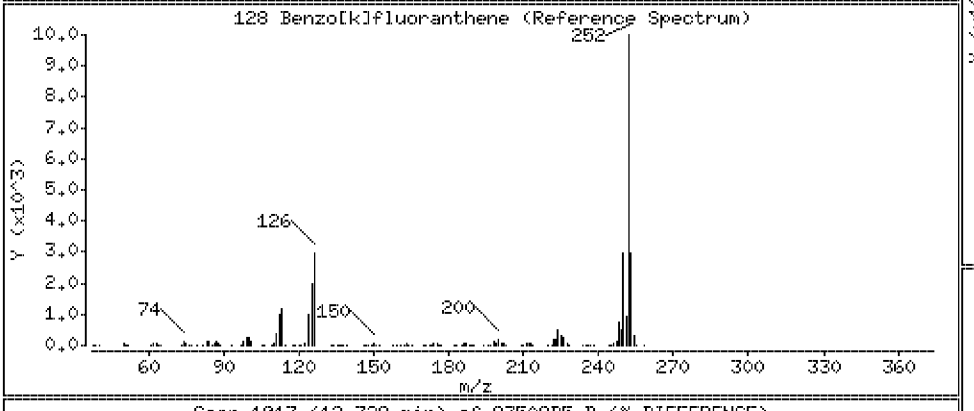
Column diameter: 0.25

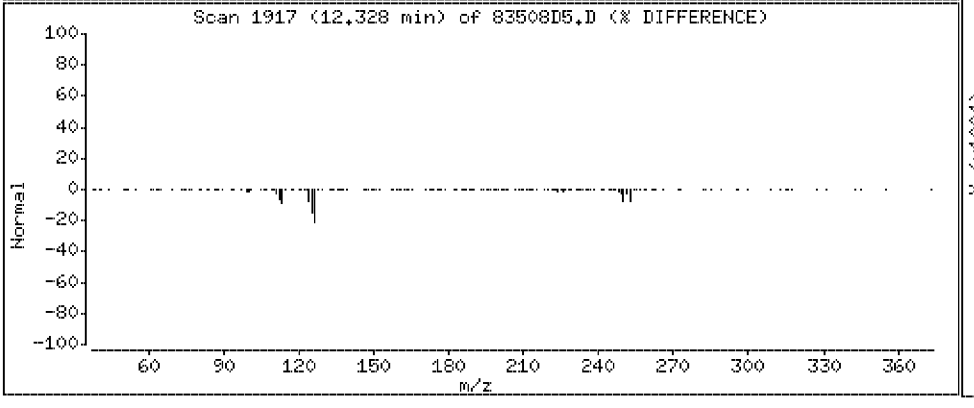
128 Benzo[k]fluoranthene

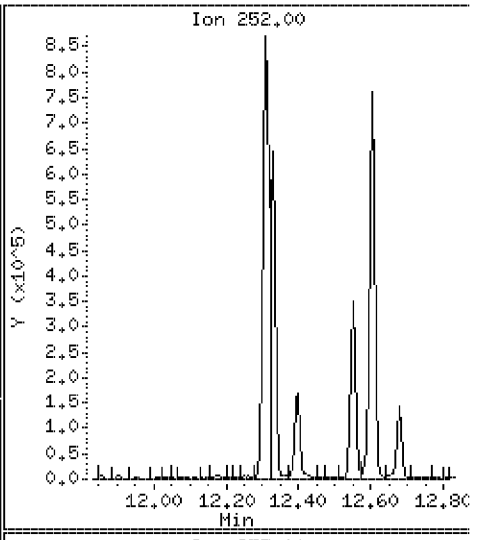
Concentration: 3320 ug/kg

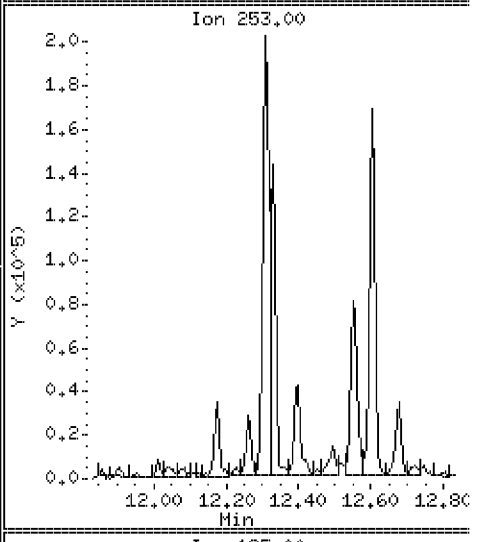


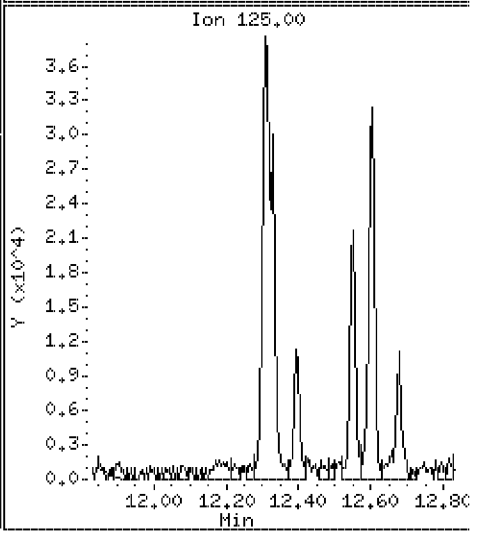












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

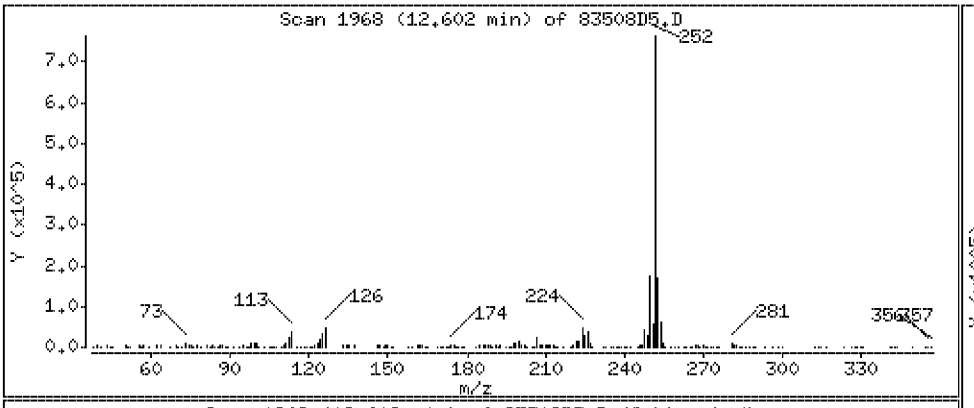
Operator: PEL

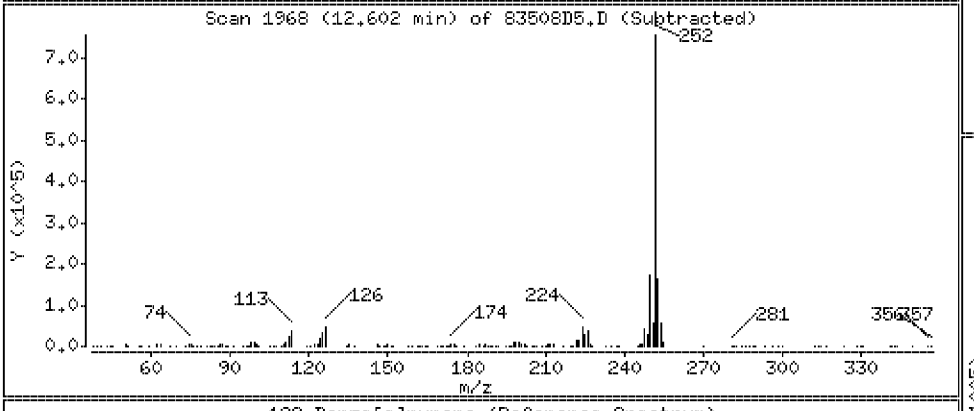
Column phase: HPMS-5

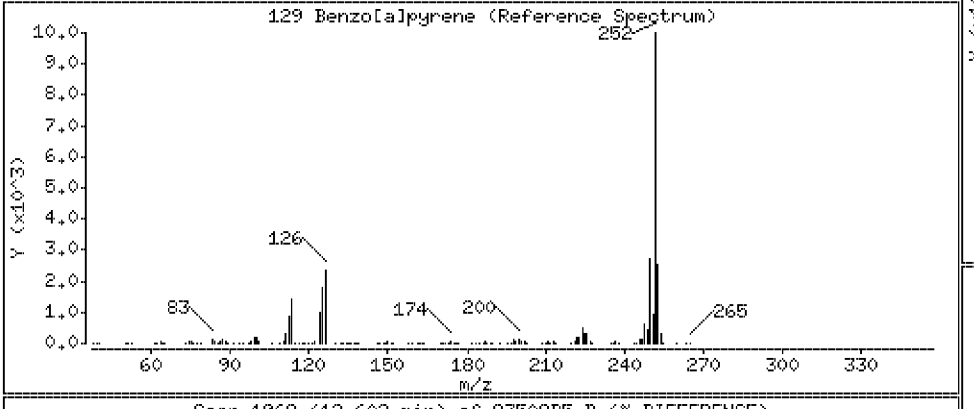
Column diameter: 0.25

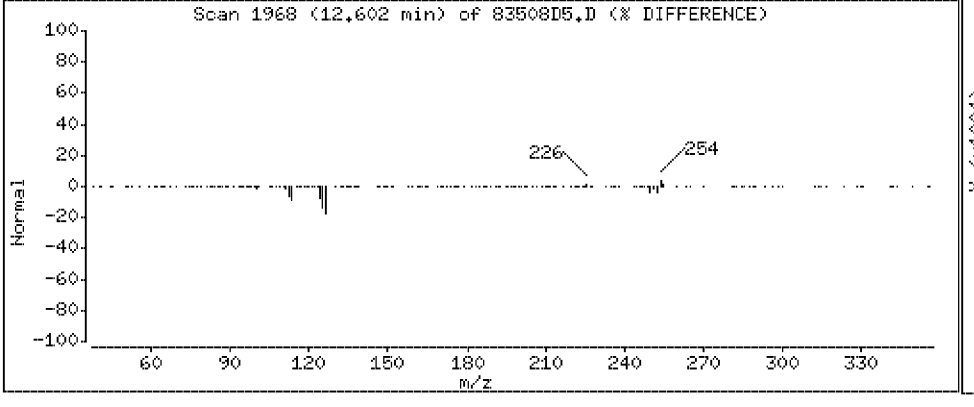
129 Benzo[a]pyrene

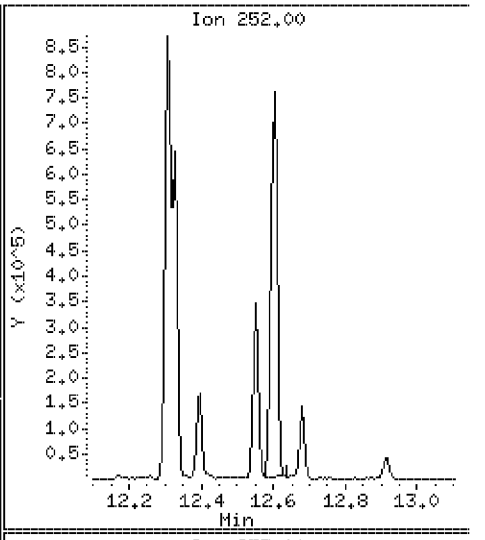
Concentration: 4900 ug/kg

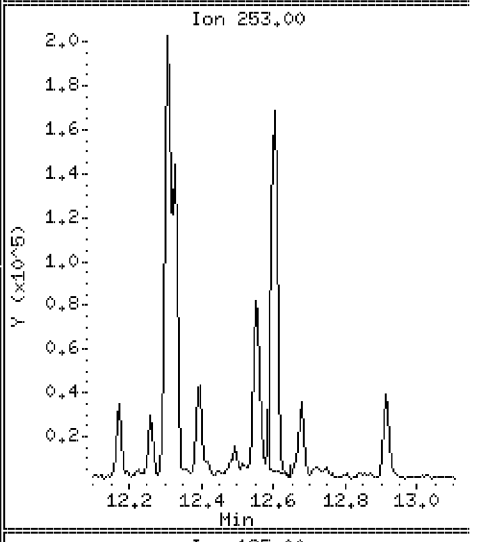


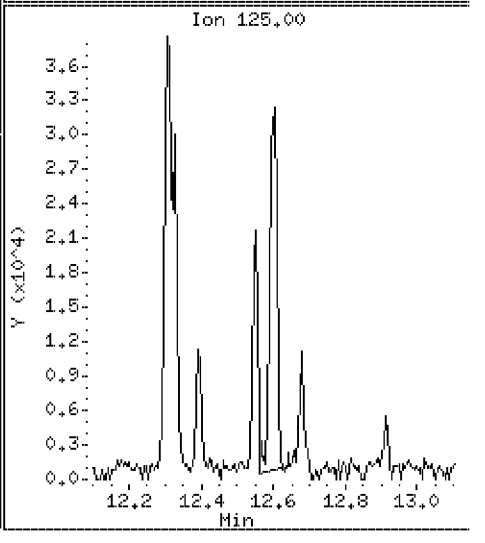












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

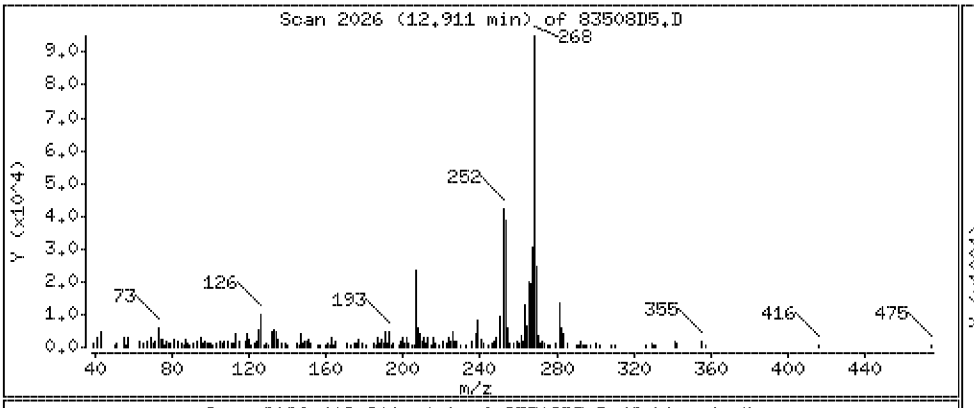
Operator: PEL

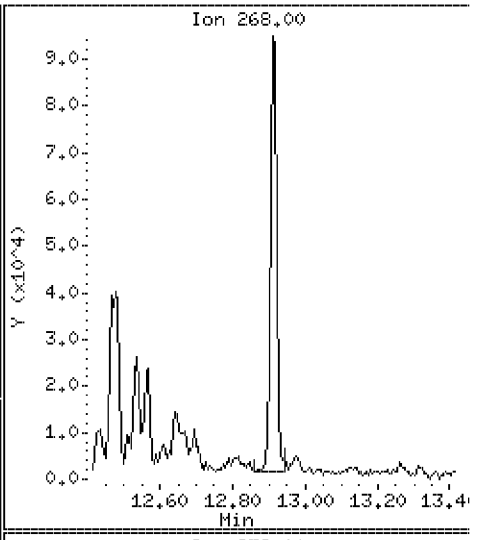
Column phase: HPMS-5

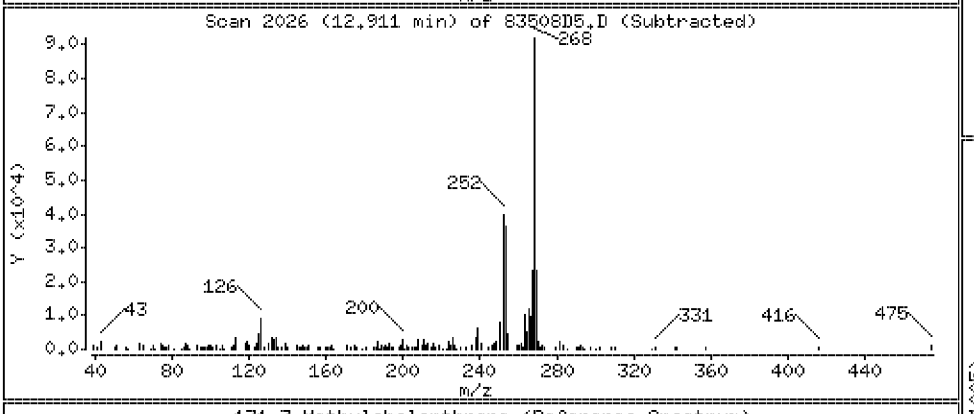
Column diameter: 0.25

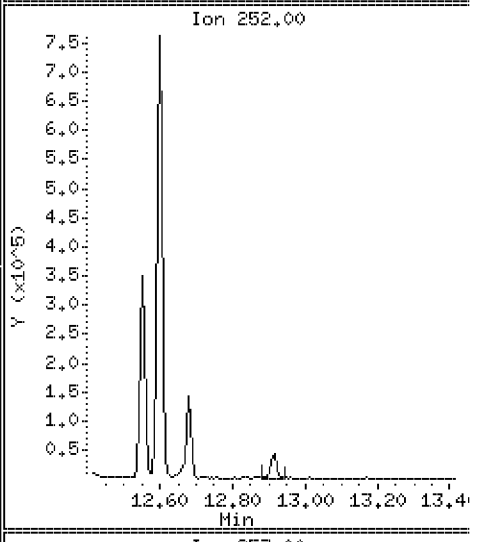
131 3-Methylcholanthrene

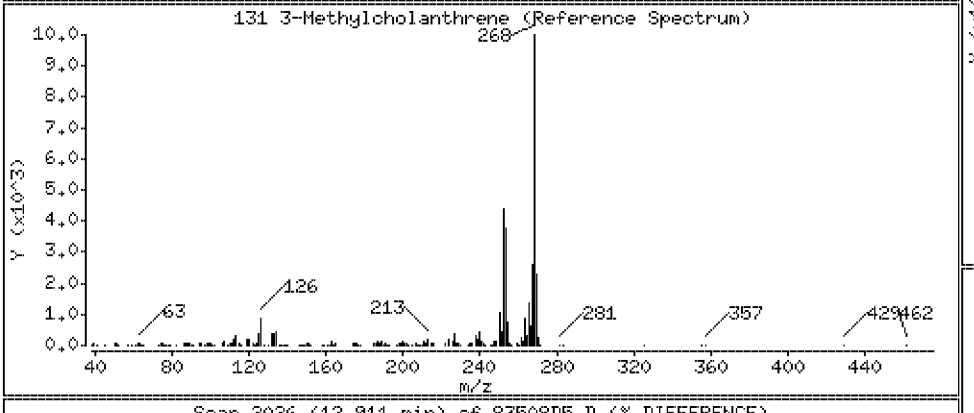
Concentration: 1190 ug/kg

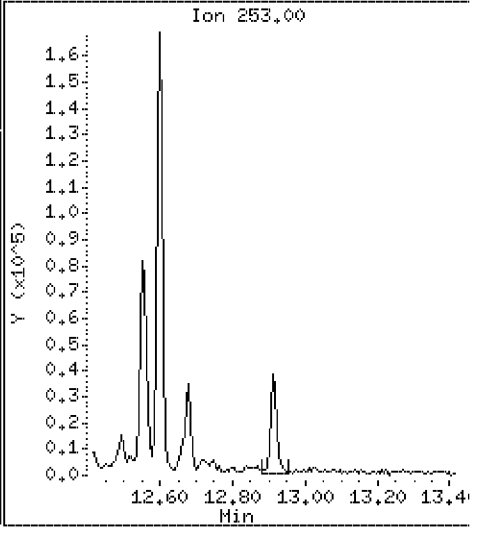


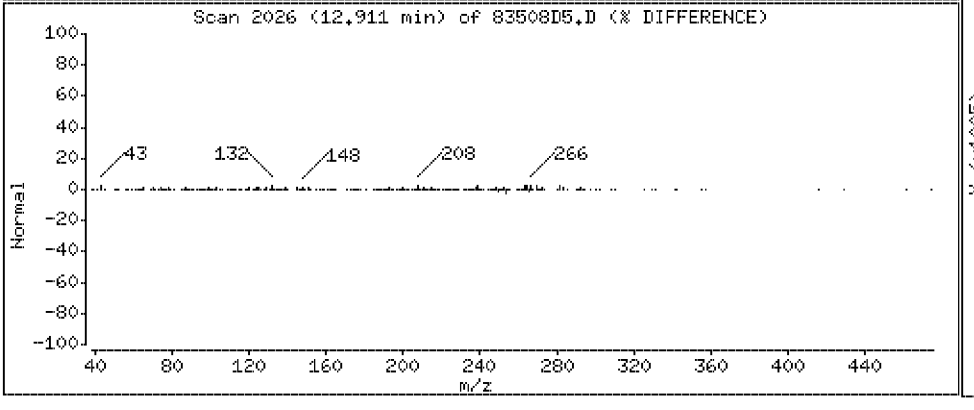












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

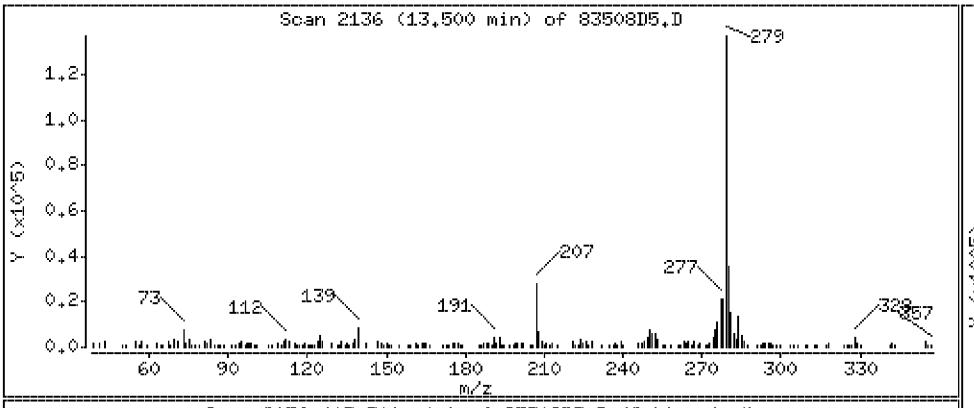
Operator: PEL

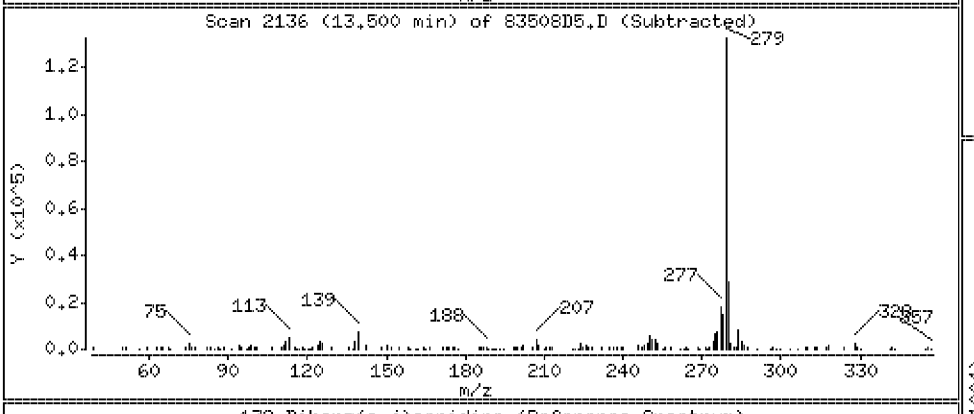
Column phase: HPMS-5

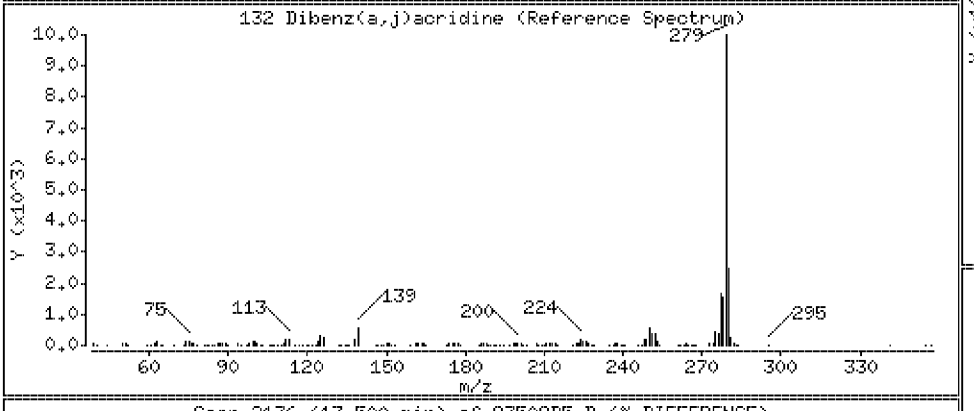
Column diameter: 0.25

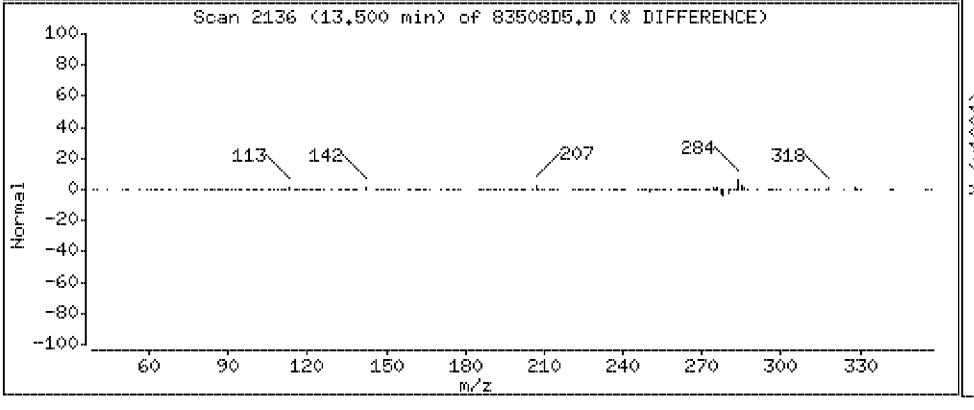
132 Dibenz(a,j)acridine

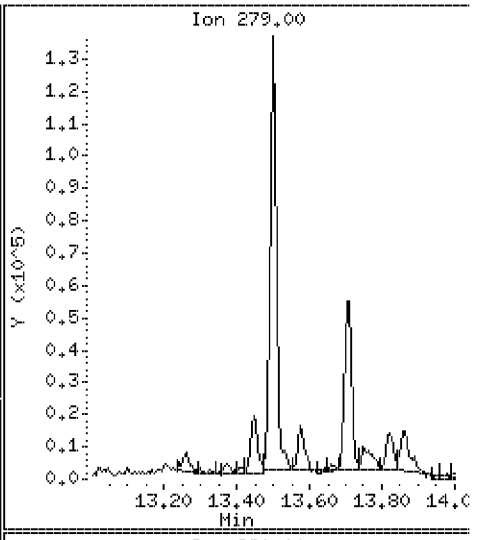
Concentration: 1200 ug/kg

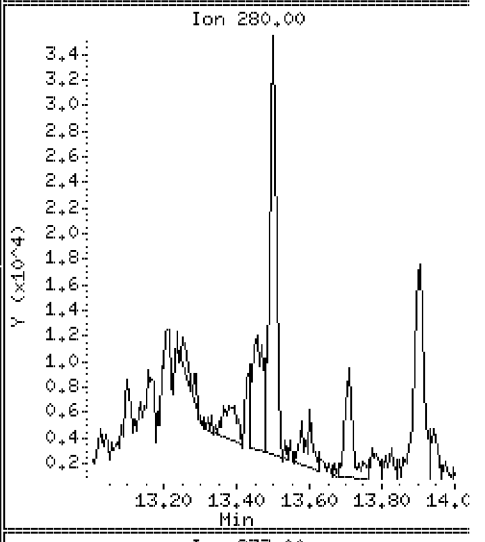


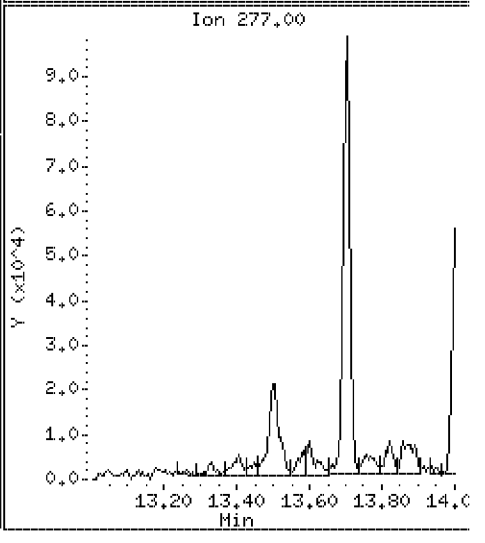












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

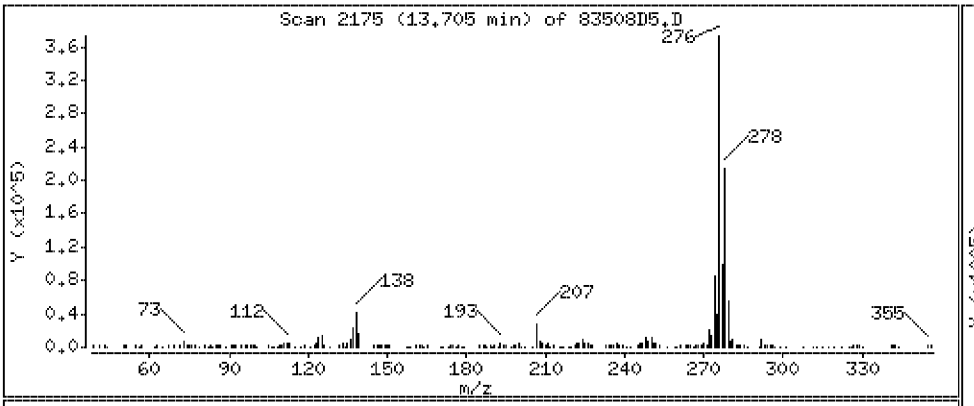
Operator: PEL

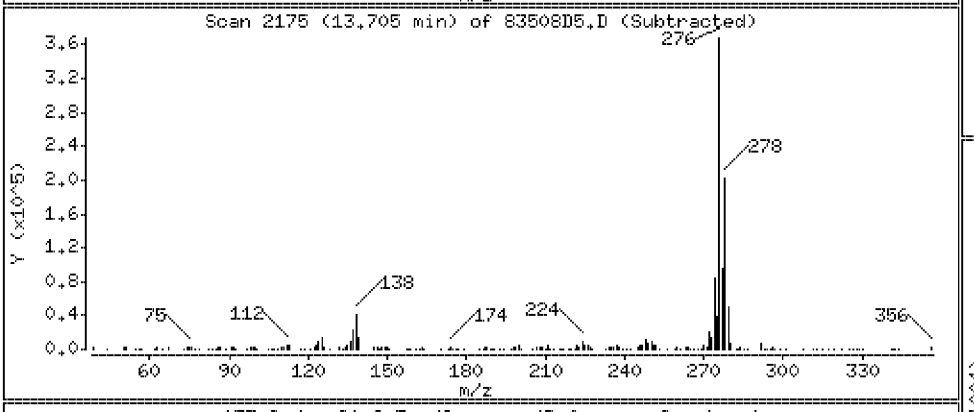
Column phase: HPMS-5

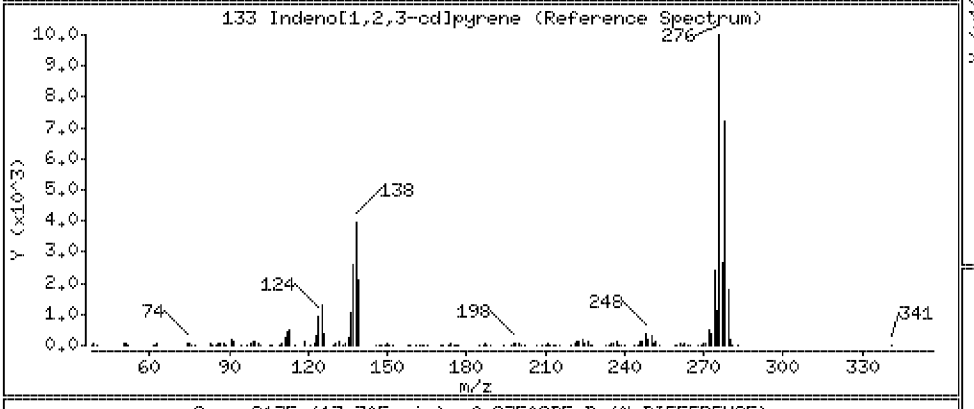
Column diameter: 0.25

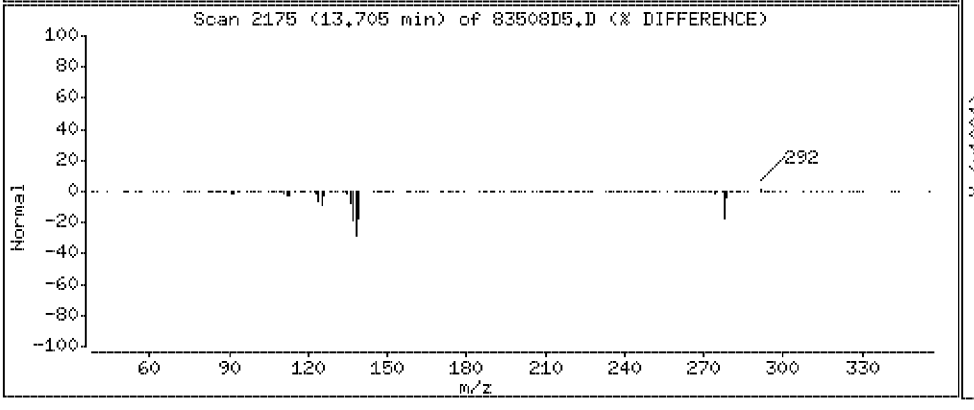
133 Indeno[1,2,3-cd]pyrene

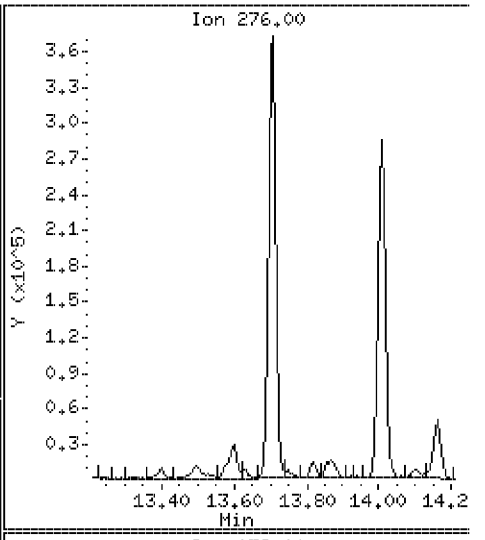
Concentration: 2740 ug/kg

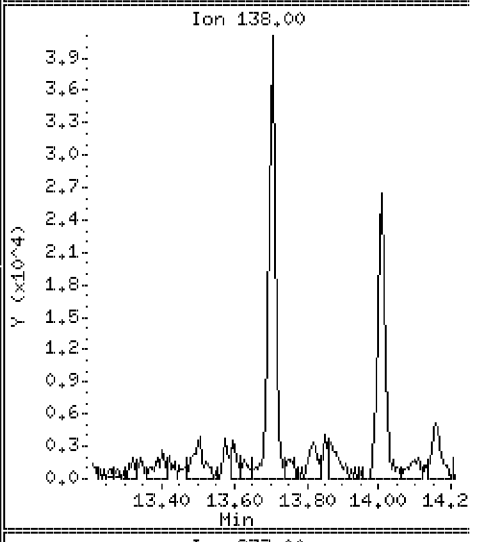


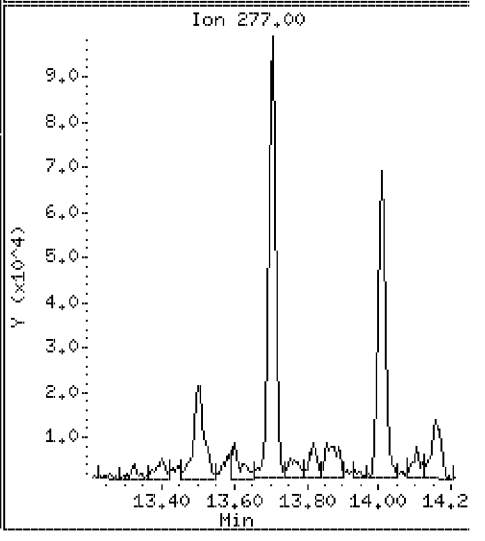












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

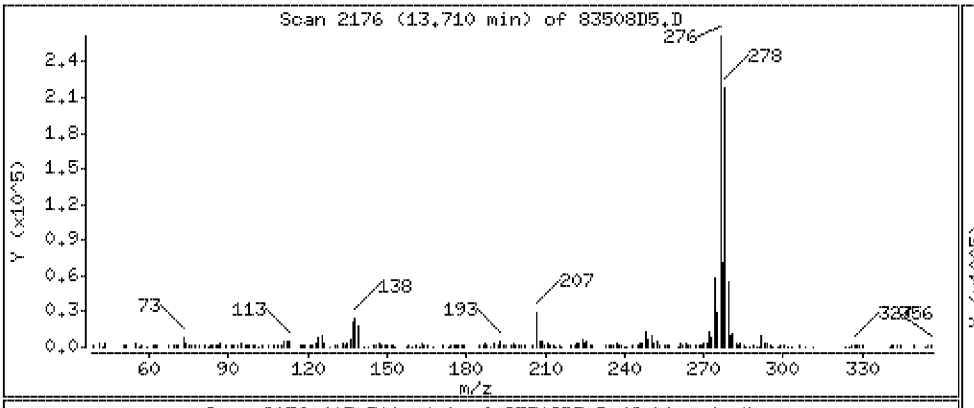
Operator: PEL

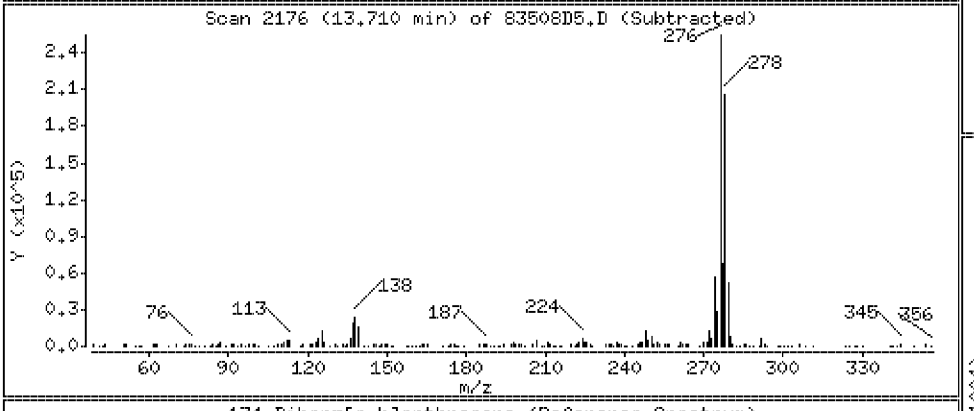
Column phase: HPMS-5

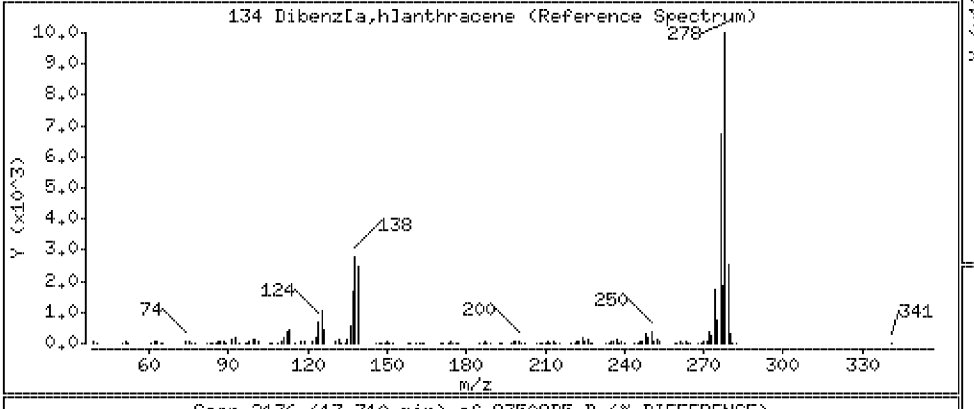
Column diameter: 0.25

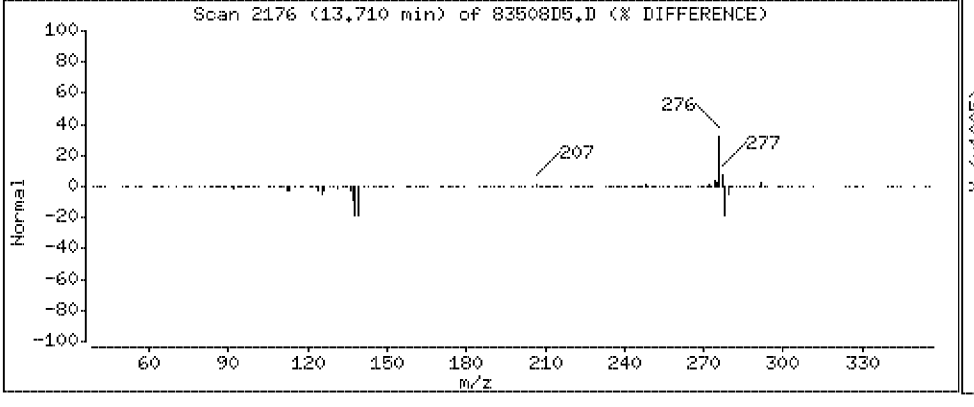
134 Dibenz[a,h]anthracene

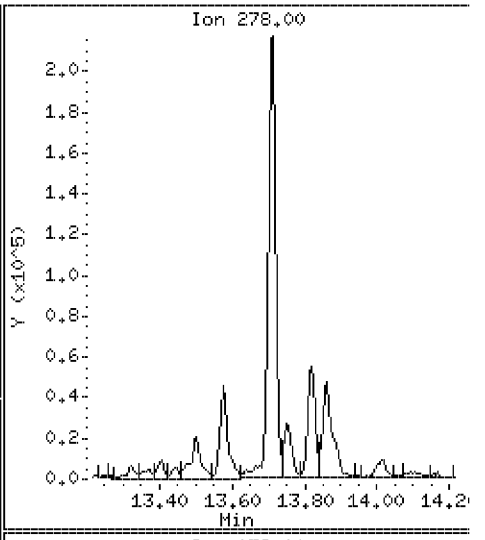
Concentration: 1880 ug/kg

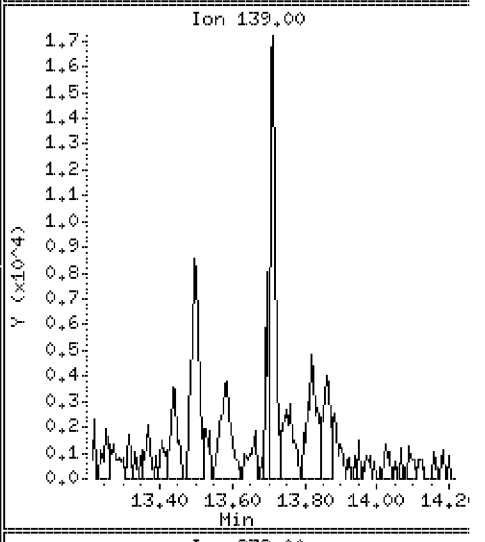


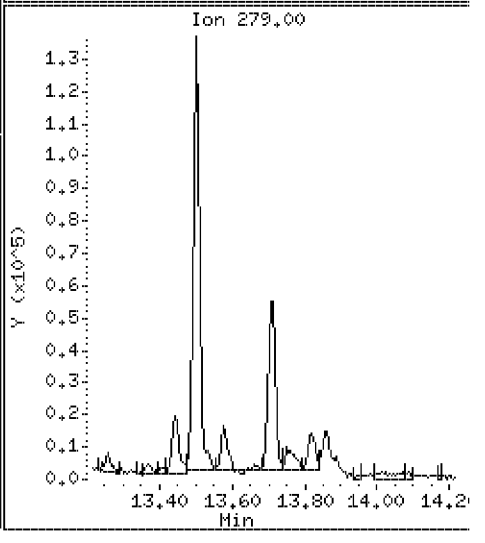












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83508D5.D

Date : 26-APR-2012 19:34

Client ID: EPAFMC-SD-01SD

Instrument: smsd03.i

Sample Info: sw350583508

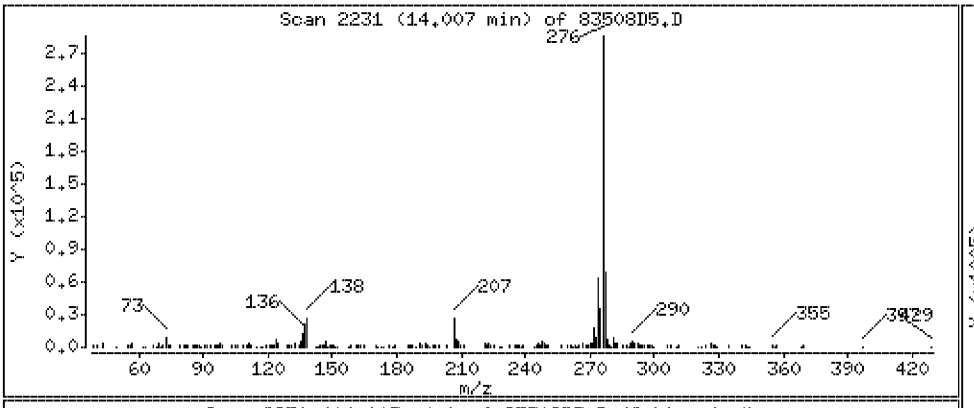
Operator: PEL

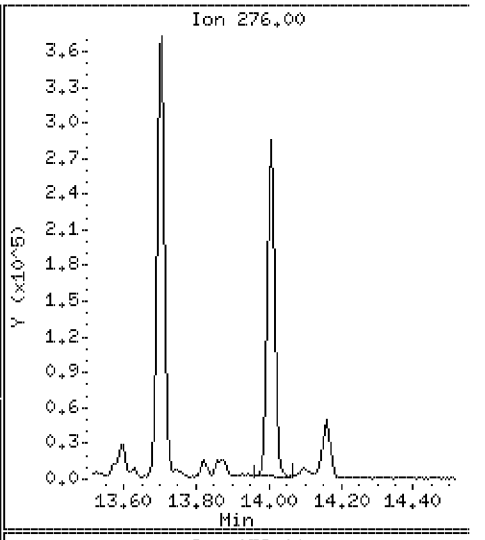
Column phase: HPMS-5

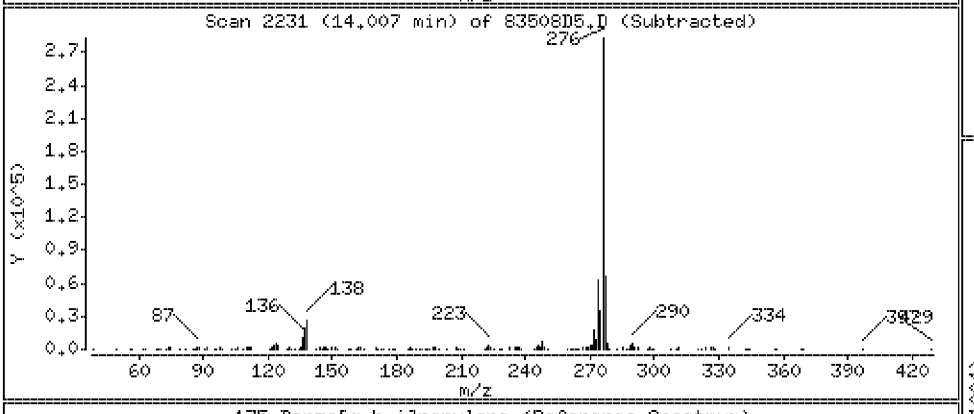
Column diameter: 0.25

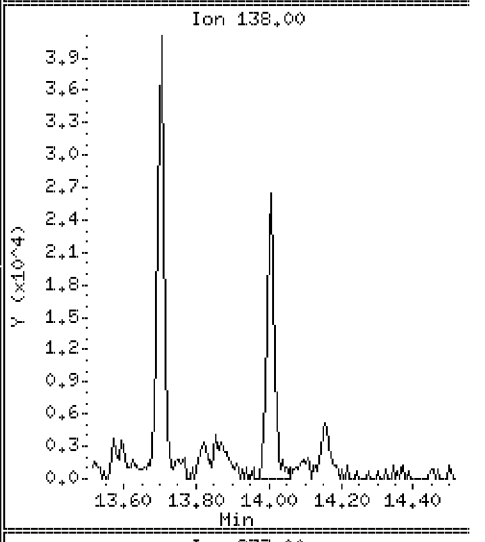
135 Benzo[g,h,i]perylene

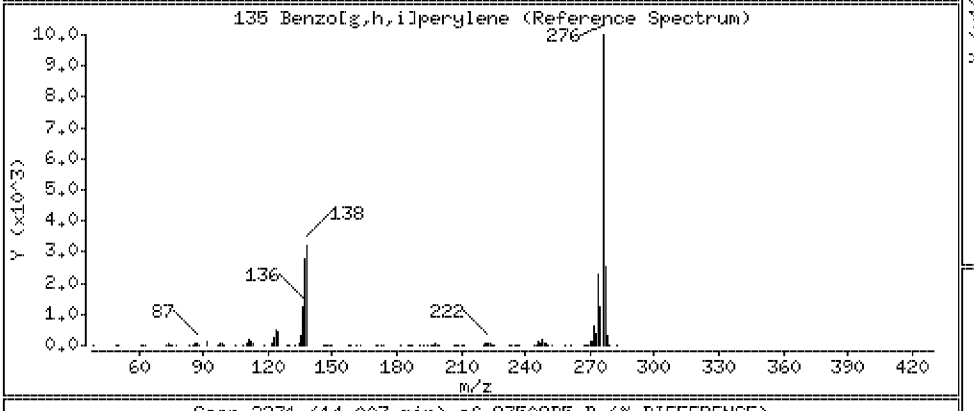
Concentration: 2830 ug/kg

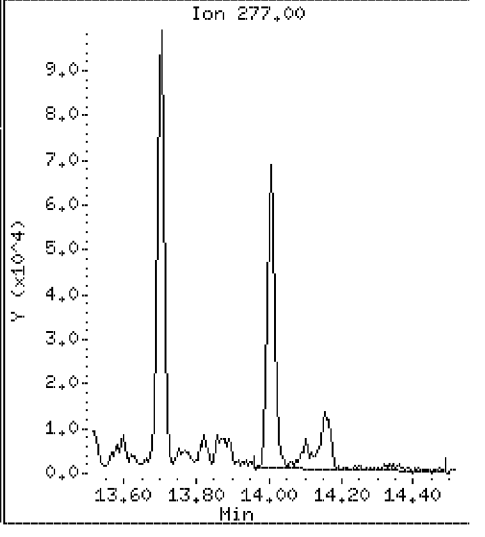


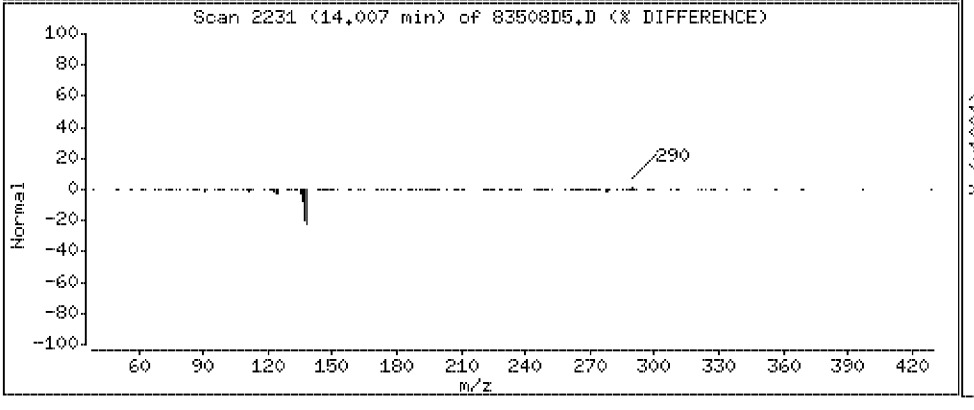












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D
Lab Smp Id: 350583503 Client Smp ID: EPAFMC-SD-03
Inj Date : 26-APR-2012 19:58 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583503
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 23
Dil Factor: 2.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	2.000	Dilution Factor
Ws	25.050	Weight of sample extracted (g)
M	25.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

	RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
*	18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
	4.425	4.423	(1.000)	152	256071	40.0000		80.00- 120.00	100.00
	4.424	4.423	(1.000)	115	162896			33.39- 93.39	63.61
	4.424	4.423	(1.000)	150	386267			121.52- 181.52	150.84
	25 Acetophenone						CAS #: 98-86-2		
	4.778	4.778	(0.856)	105	1906	0.14976	16.1	80.00- 120.00	100.00(Q)
	4.777	4.778	(0.856)	77	2474			69.57- 129.57	129.80
	4.780	4.778	(0.856)	51	272			0.00- 54.45	14.27
*	43 Naphthalene-d8						CAS #: 1146-65-2		
	5.584	5.583	(1.000)	136	846001	40.0000		80.00- 120.00	100.00
	5.582	5.583	(1.000)	68	46921			0.00- 35.32	5.55
*	70 Acenaphthene-d10						CAS #: 15067-26-2		
	7.278	7.278	(1.000)	164	601343	40.0000		80.00- 120.00	100.00
	7.278	7.278	(1.000)	162	581826			66.43- 126.43	96.75
	7.278	7.278	(1.000)	160	264492			14.76- 74.76	43.98
*	100 Phenanthrene-d10						CAS #: 1517-22-2		
	8.733	8.734	(1.000)	188	1169120	40.0000		80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 100 Phenanthrene-d10 (continued)								
8.733	8.734	(1.000)	94	74057			0.00- 36.17	6.33
8.732	8.734	(1.000)	80	89954			0.00- 38.16	7.69
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.333	11.327	(1.000)	240	1720283	40.0000		80.00- 120.00	100.00
11.331	11.327	(1.000)	120	96353			0.00- 35.19	5.60
11.333	11.327	(1.000)	236	459046			0.00- 56.66	26.68
* 130 Perylene-d12						CAS #: 1520-96-3		
12.656	12.650	(1.000)	264	1566792	40.0000		80.00- 120.00	100.00
12.656	12.650	(1.000)	260	367802			0.00- 54.55	23.47
12.656	12.650	(1.000)	265	393737			0.00- 53.02	25.13

QC Flag Legend

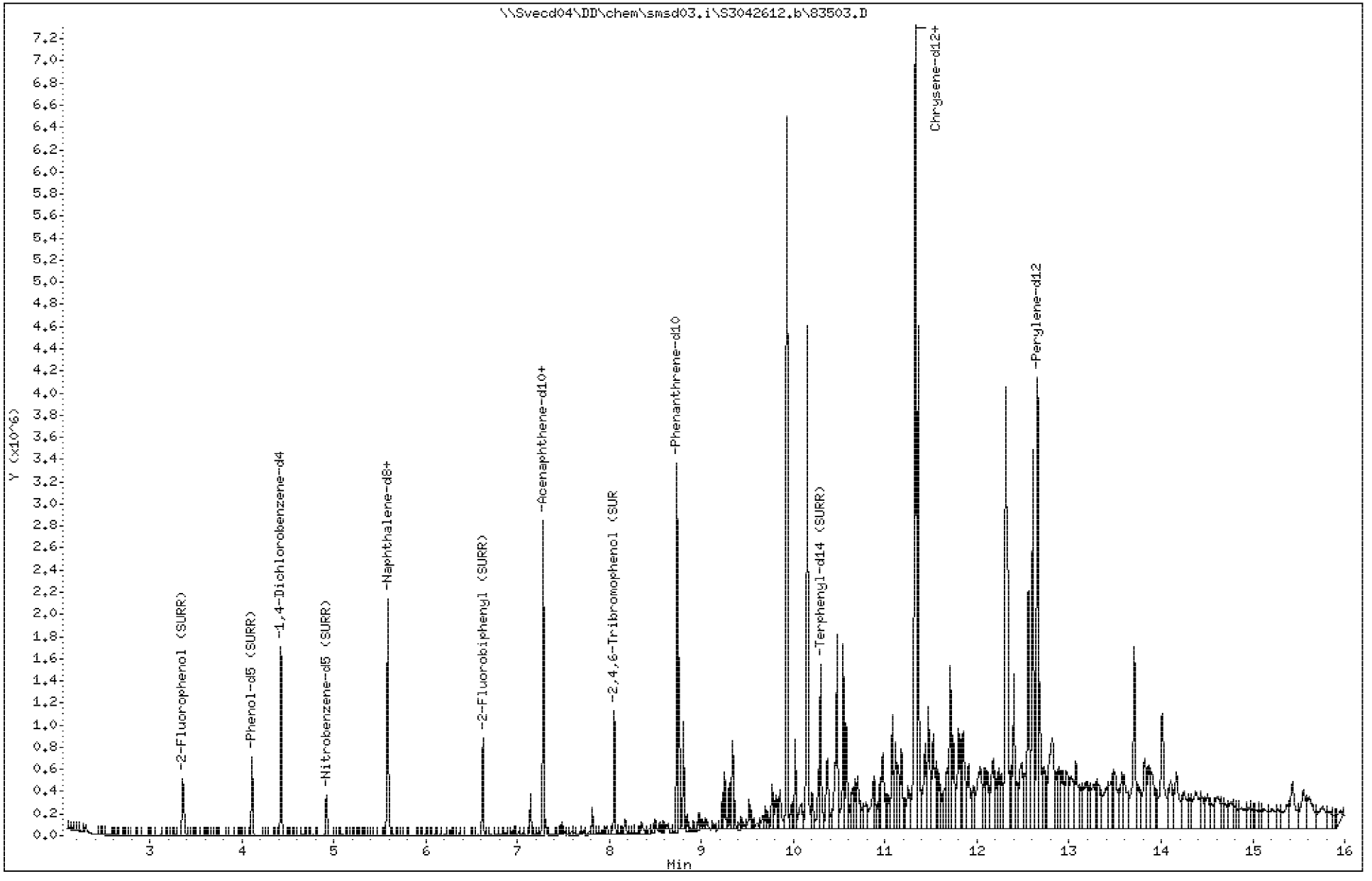
Q - Qualifier signal failed the ratio test.

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D
Date : 26-APR-2012 19:58
Client ID: EPAFMC-SD-03
Sample Info: sw350583503

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2684

3505835



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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

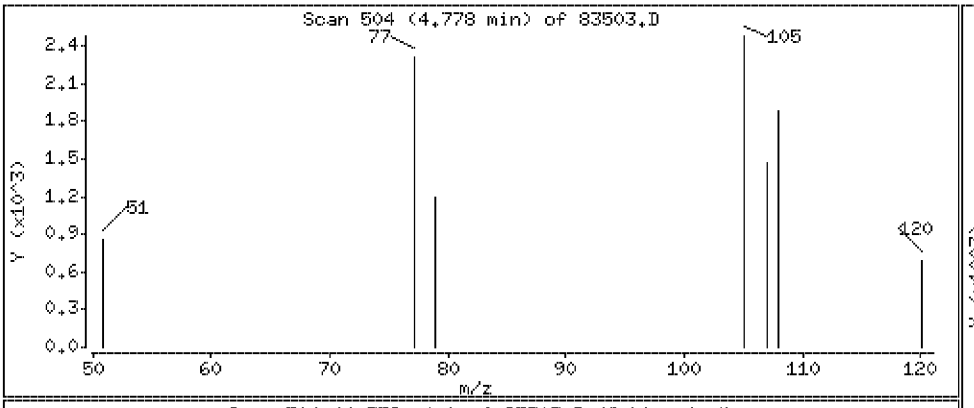
Operator: PEL

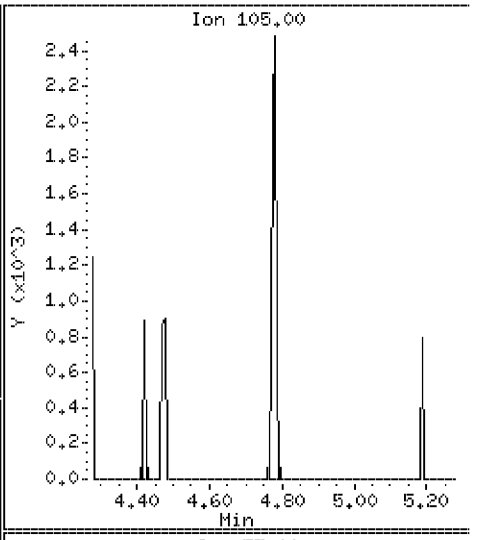
Column phase: HPMS-5

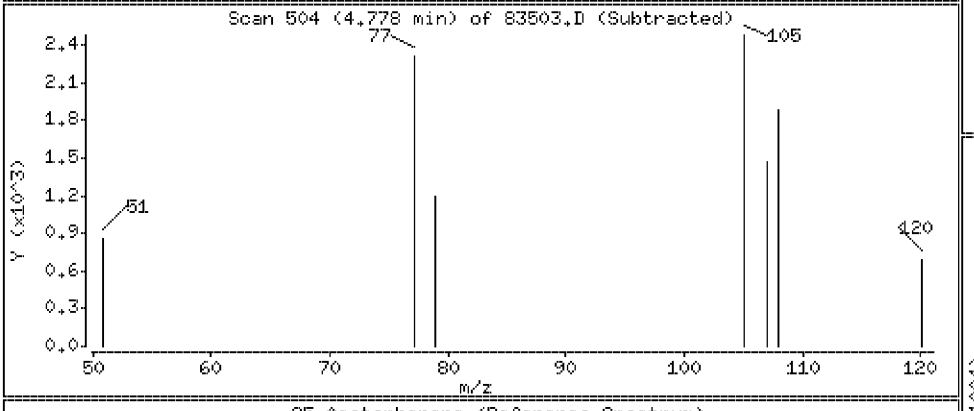
Column diameter: 0.25

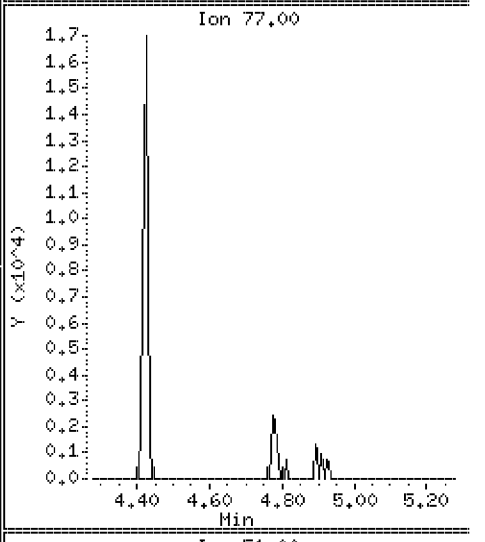
25 Acetophenone

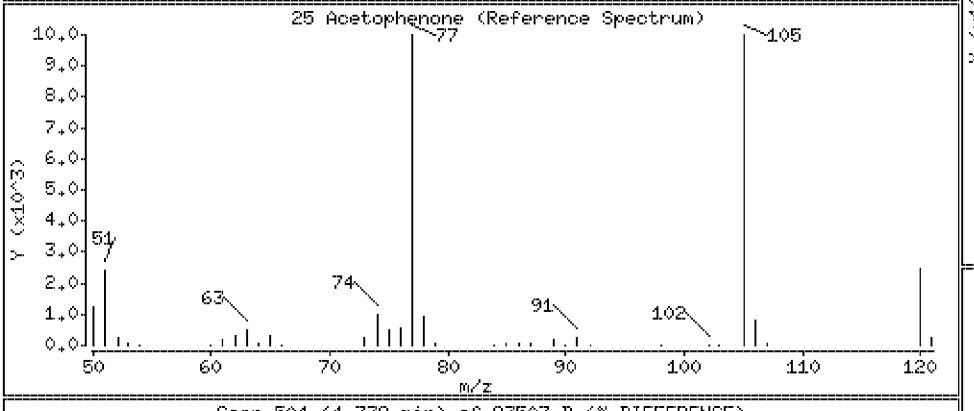
Concentration: 16.1 ug/kg

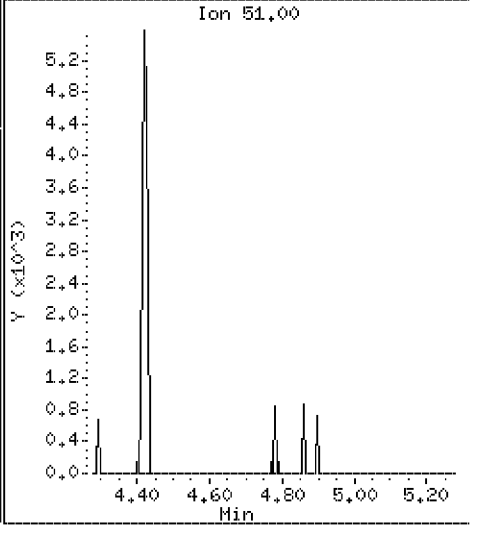


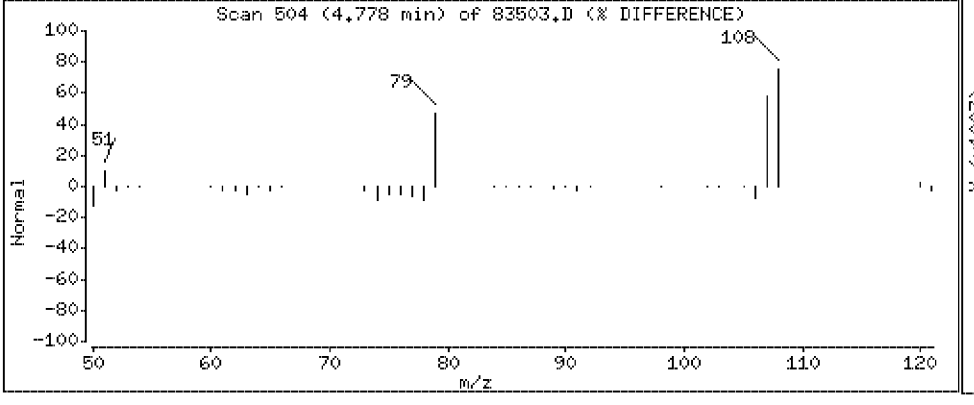












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

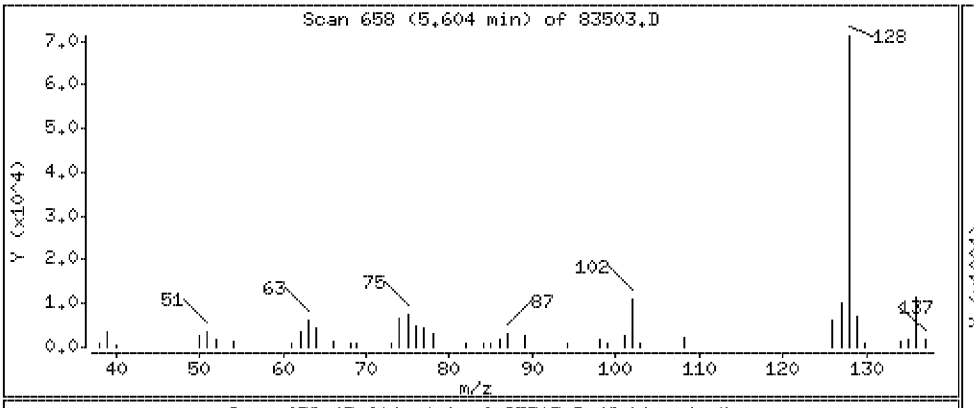
Operator: PEL

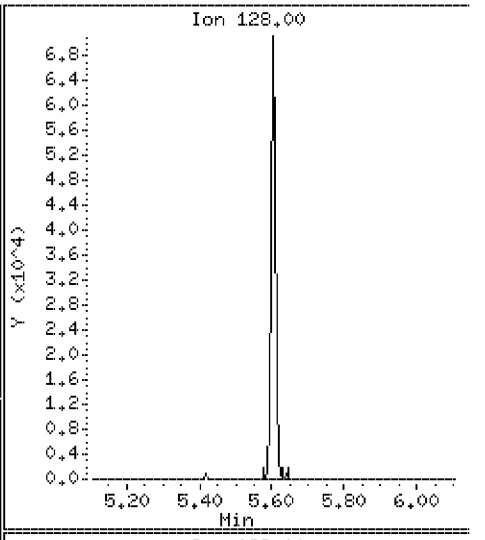
Column phase: HPMS-5

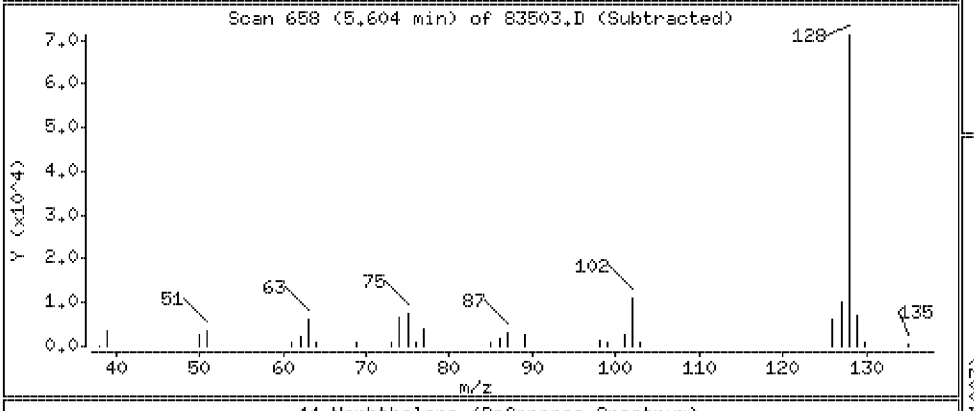
Column diameter: 0.25

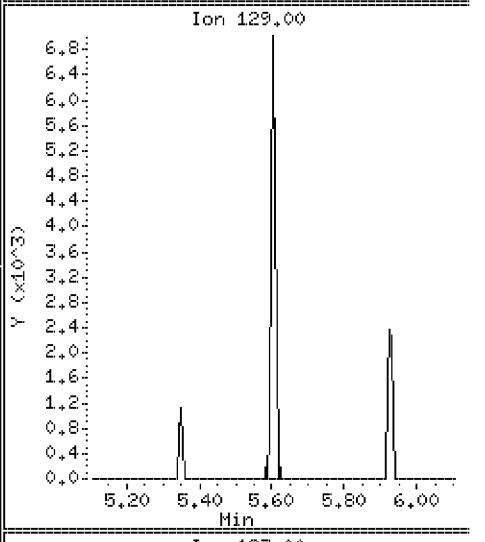
44 Naphthalene

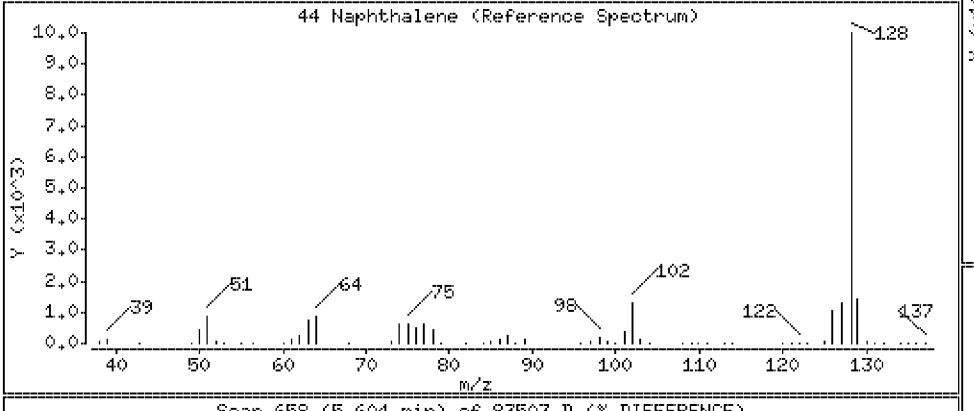
Concentration: 301 ug/kg

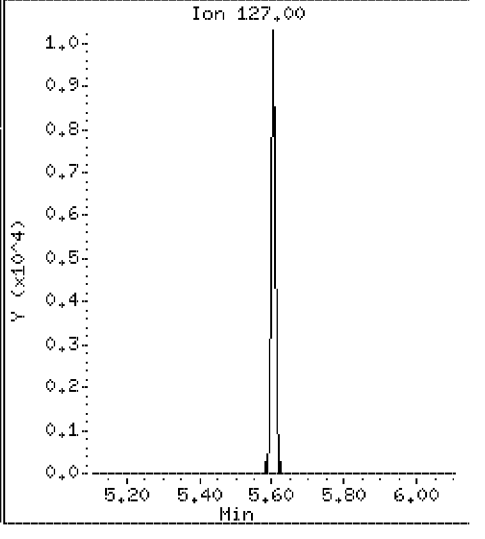


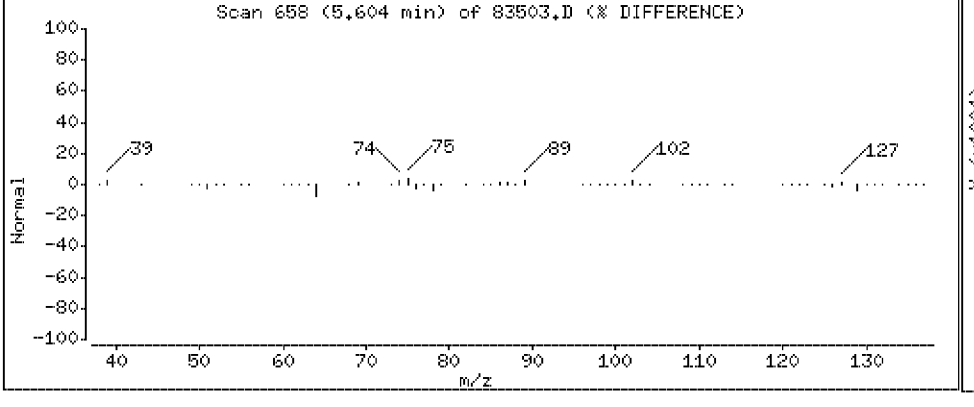












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

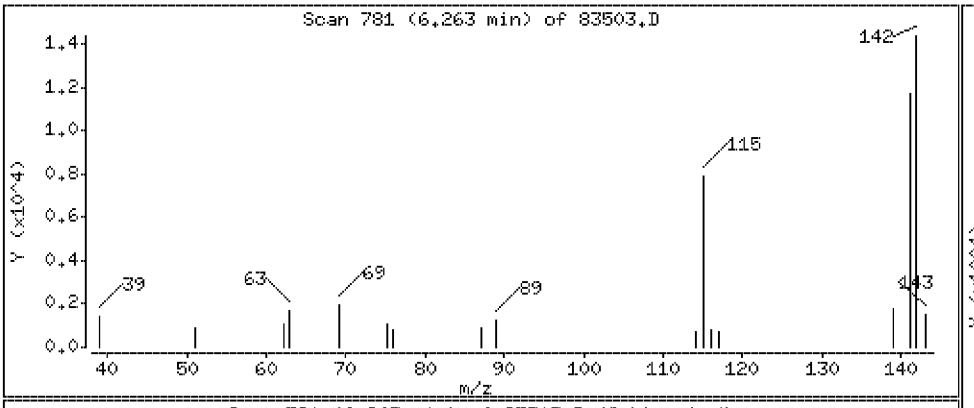
Operator: PEL

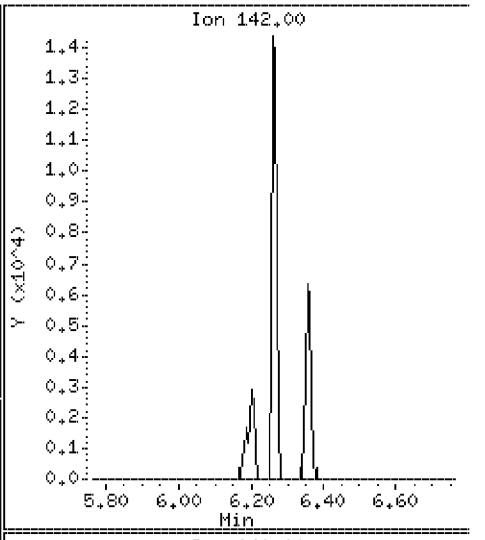
Column phase: HPMS-5

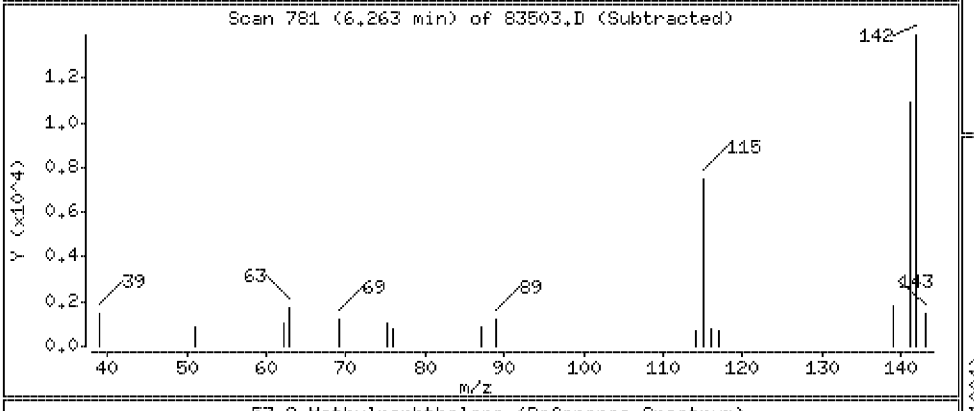
Column diameter: 0.25

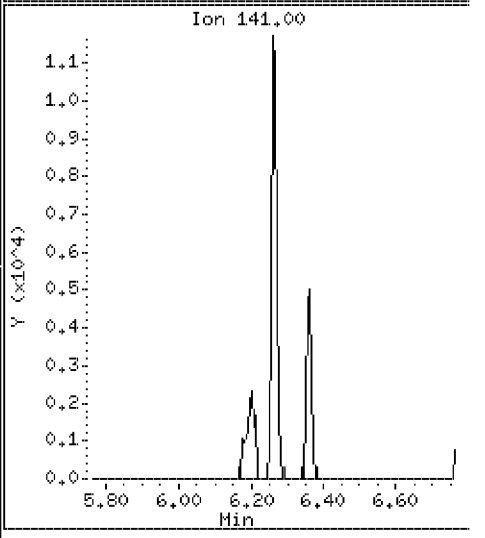
53 2-Methylnaphthalene

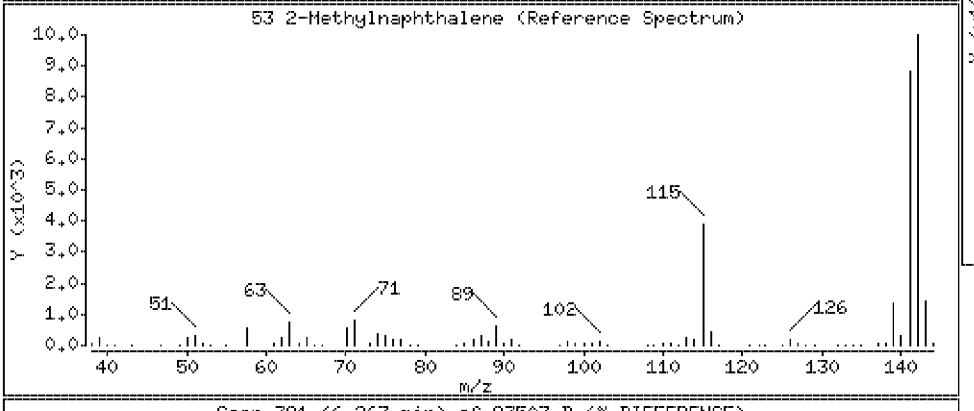
Concentration: 89.1 ug/kg

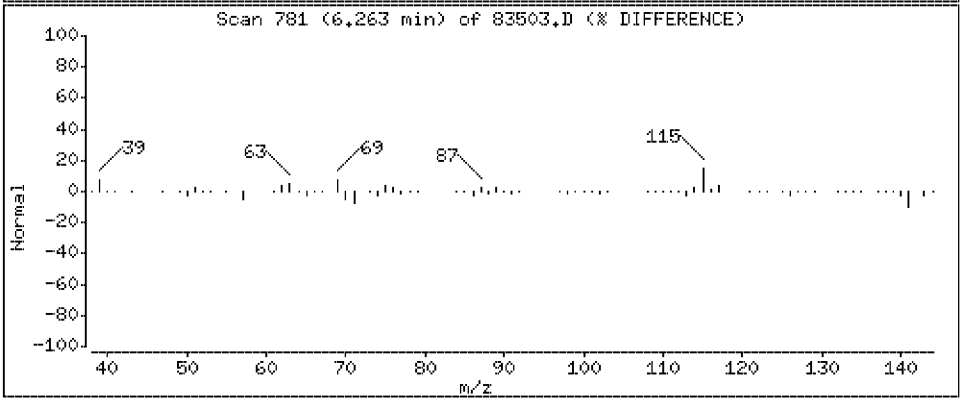












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

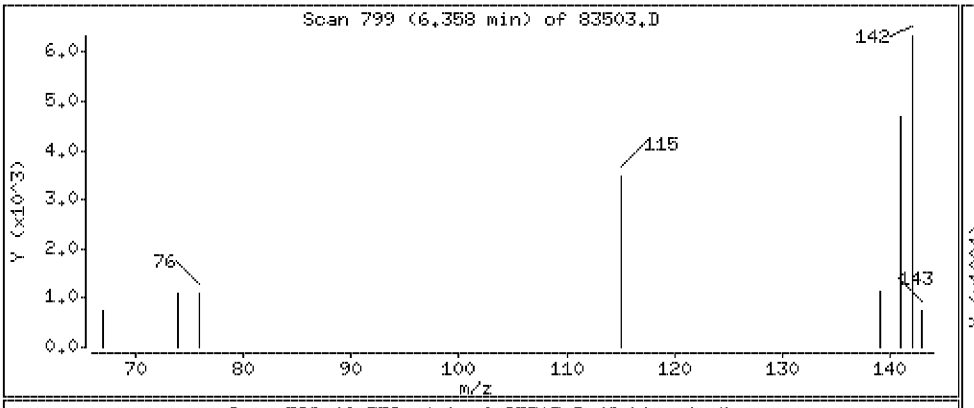
Operator: PEL

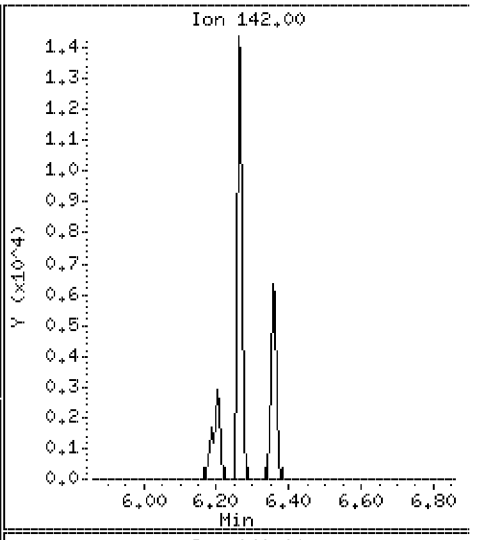
Column phase: HPMS-5

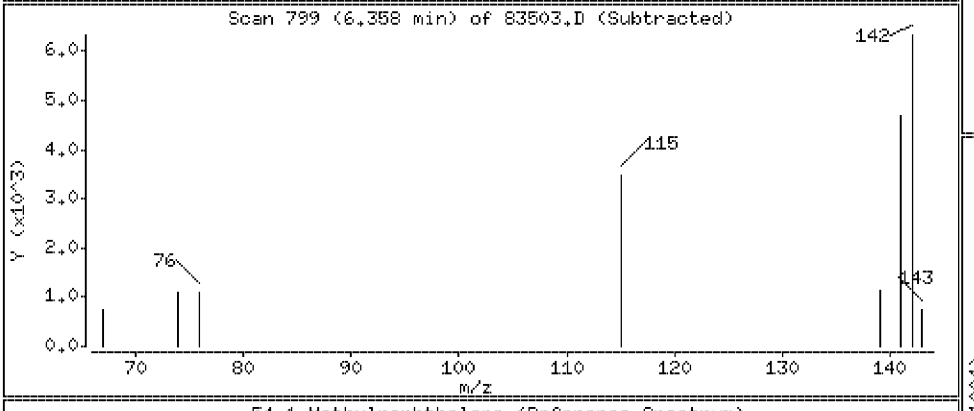
Column diameter: 0.25

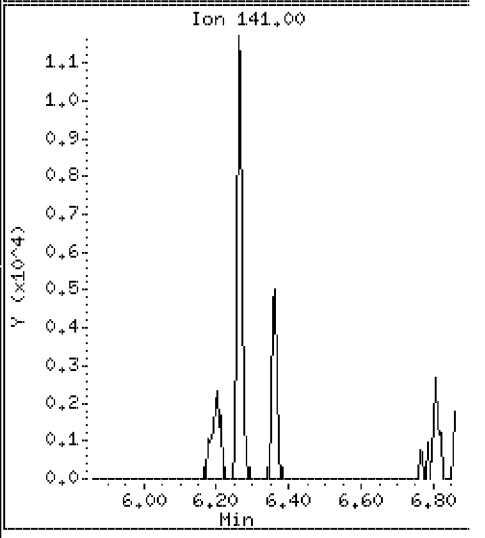
54 1-Methylnaphthalene

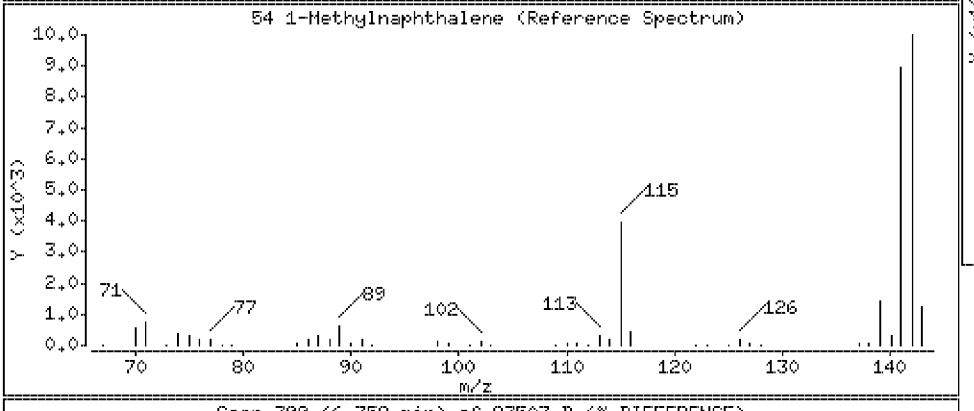
Concentration: 48.8 ug/kg

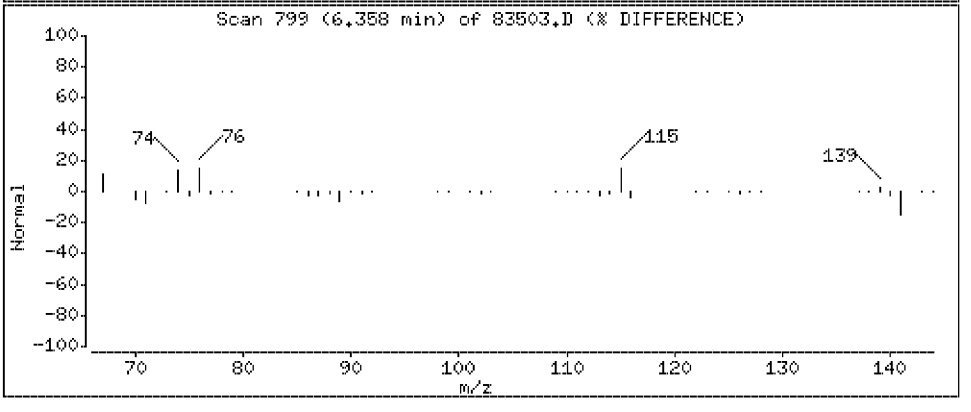












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

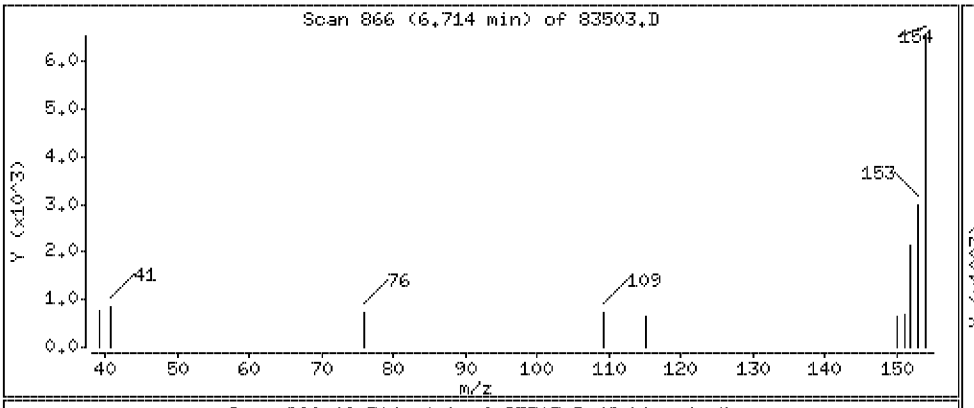
Operator: PEL

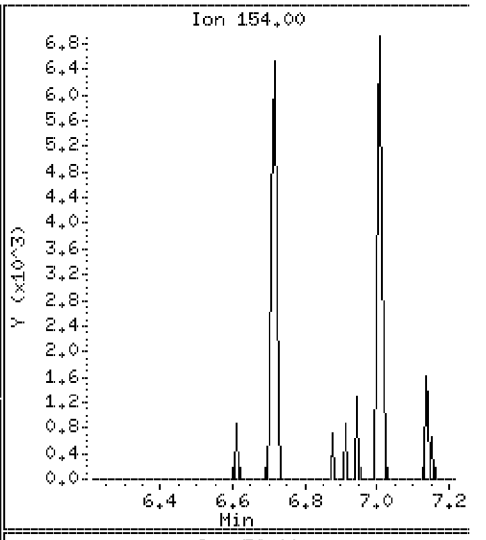
Column phase: HPMS-5

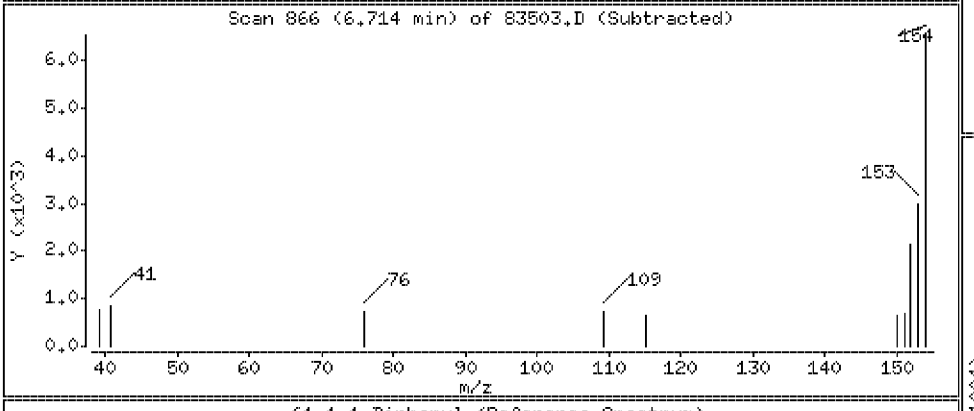
Column diameter: 0.25

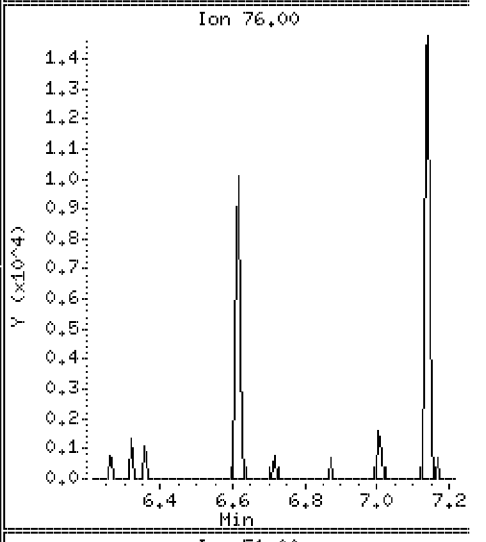
61 1,1-Biphenyl

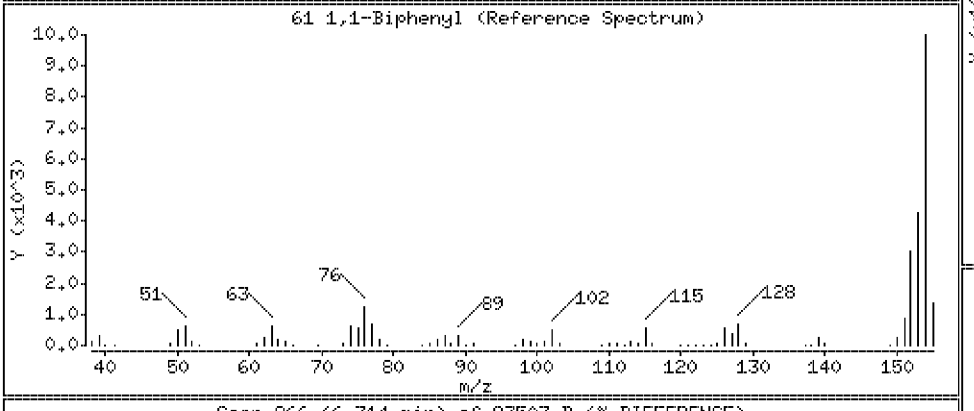
Concentration: 23.2 ug/kg

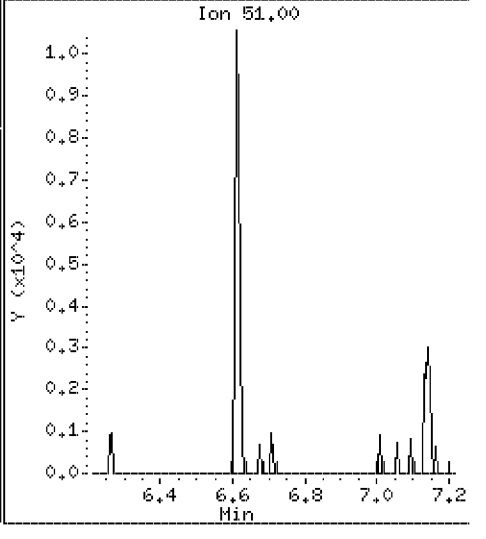


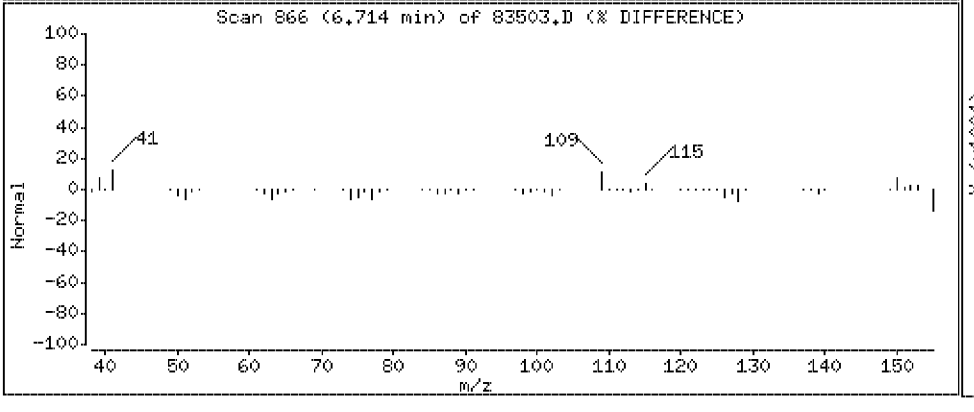












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

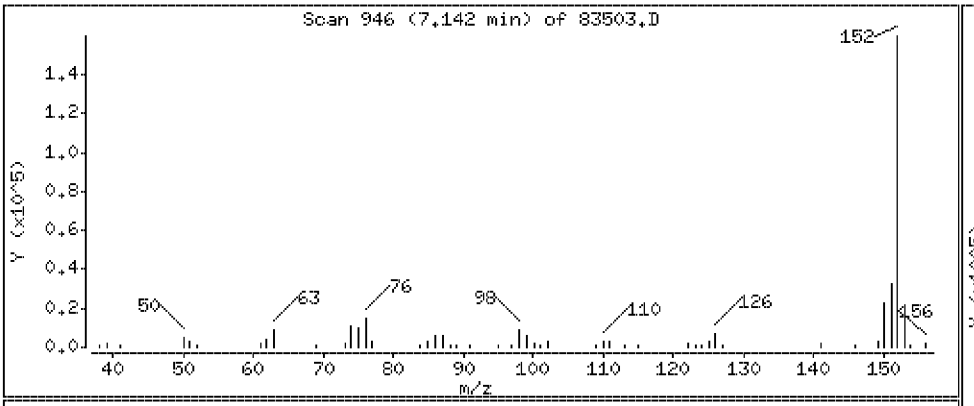
Operator: PEL

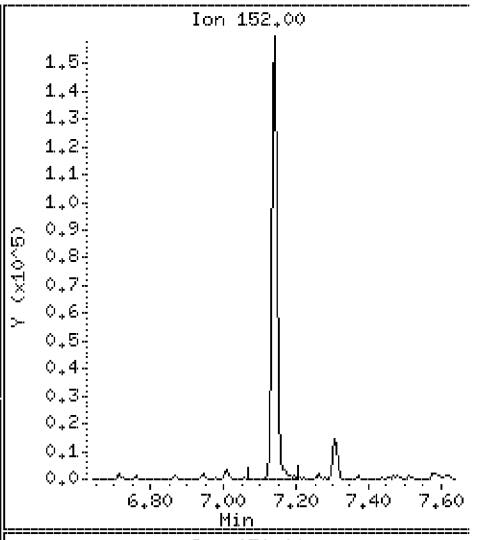
Column phase: HPMS-5

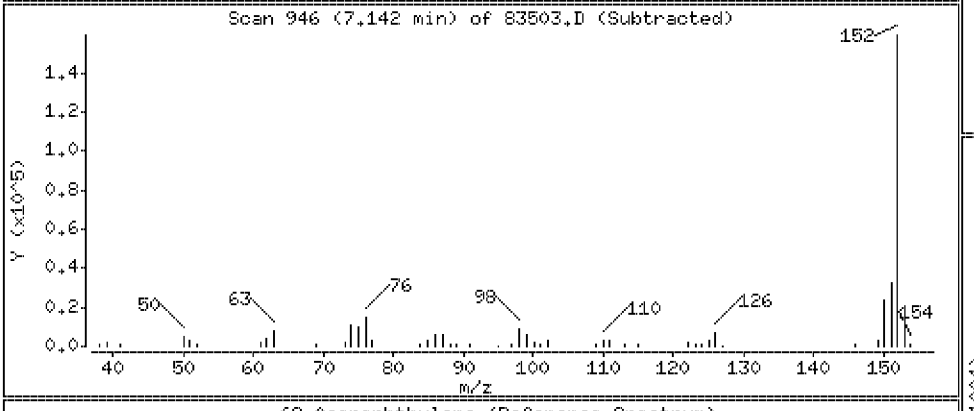
Column diameter: 0.25

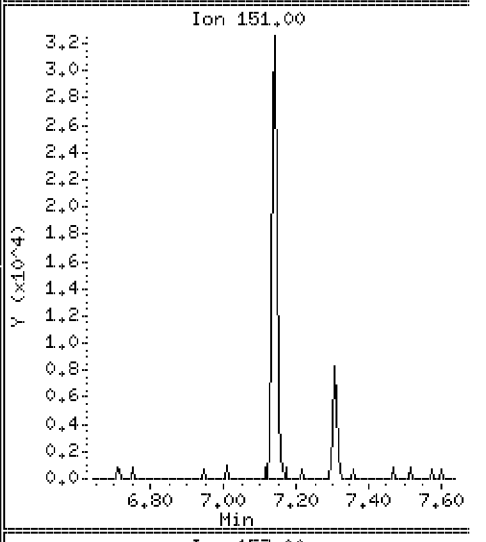
68 Acenaphthylene

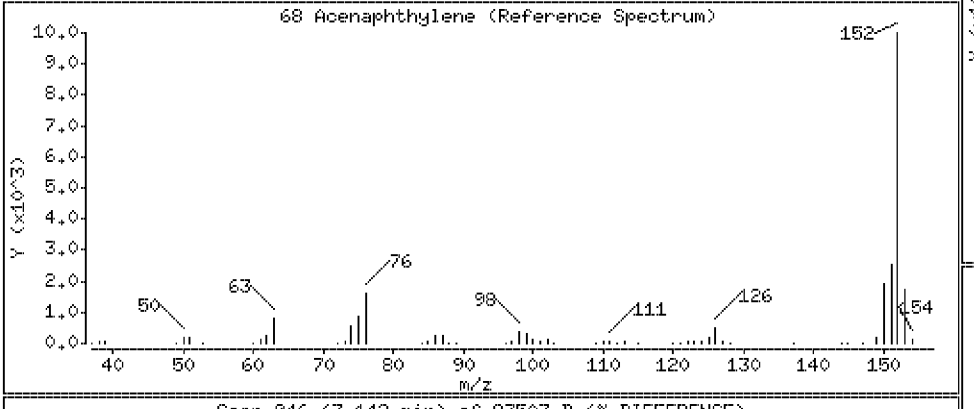
Concentration: 671 ug/kg

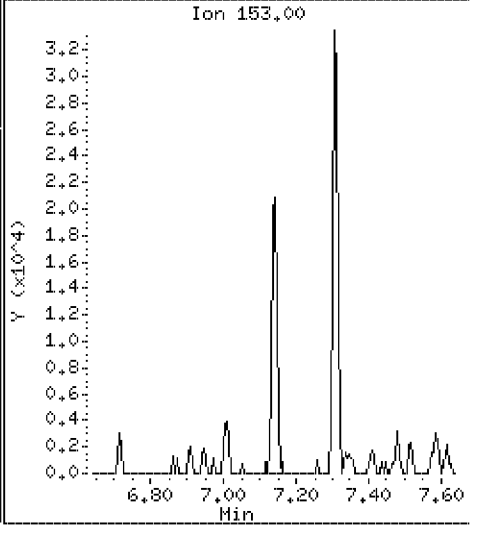


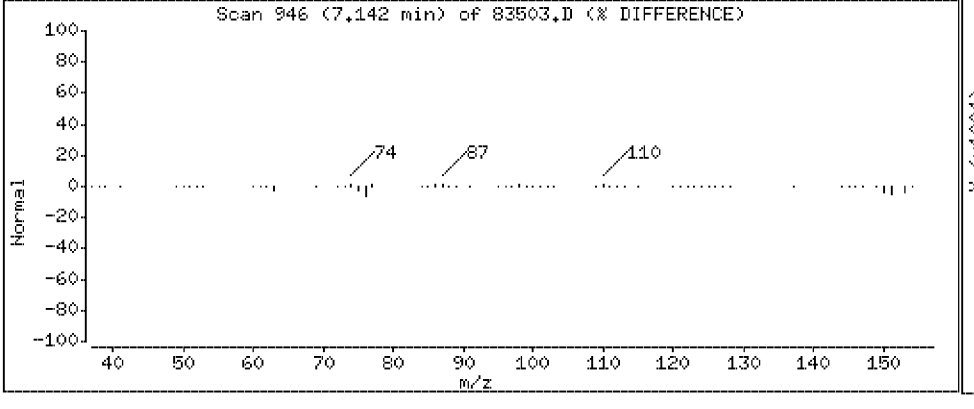












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

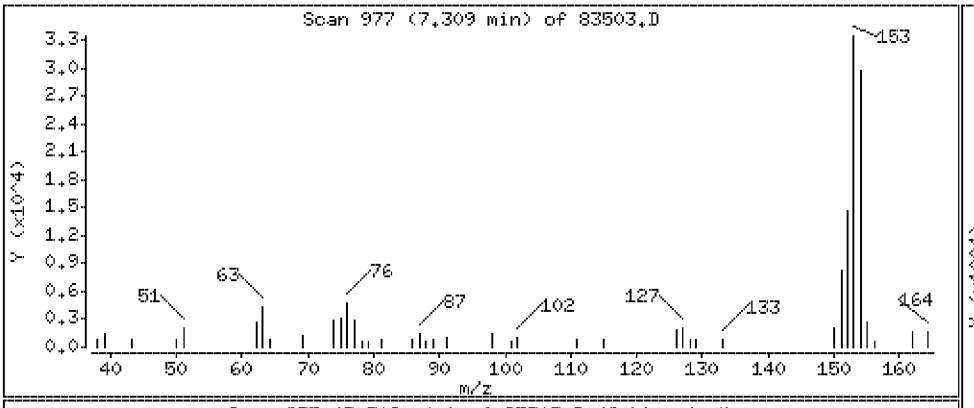
Operator: PEL

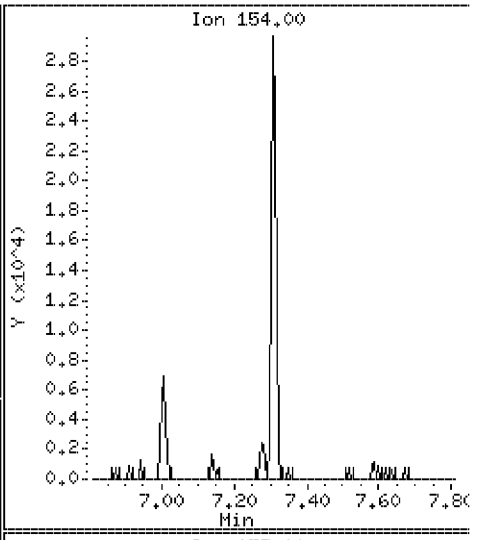
Column phase: HPMS-5

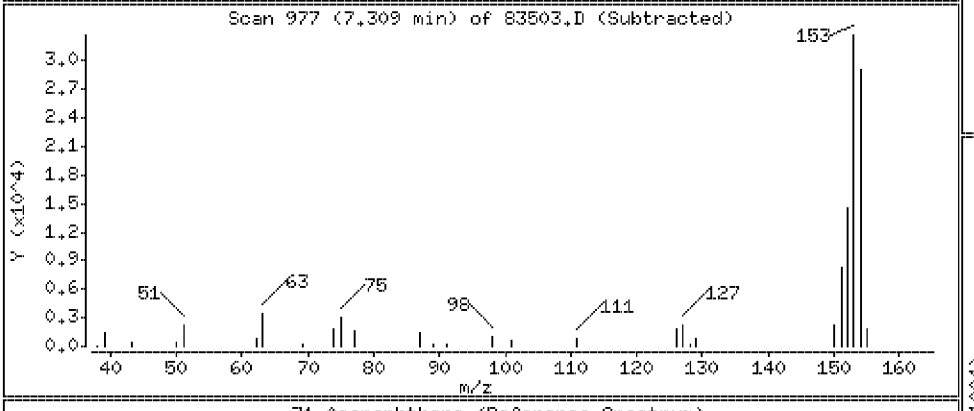
Column diameter: 0.25

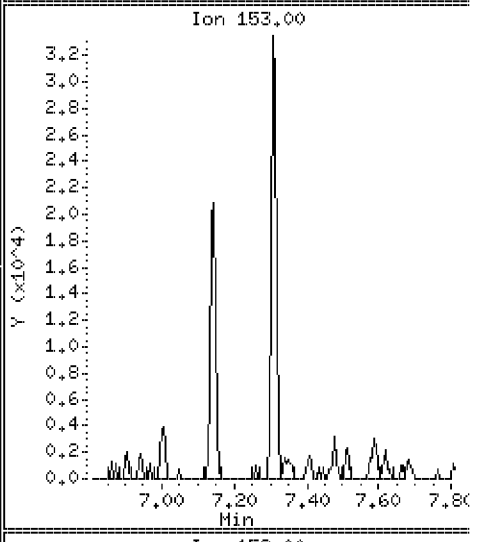
71 Acenaphthene

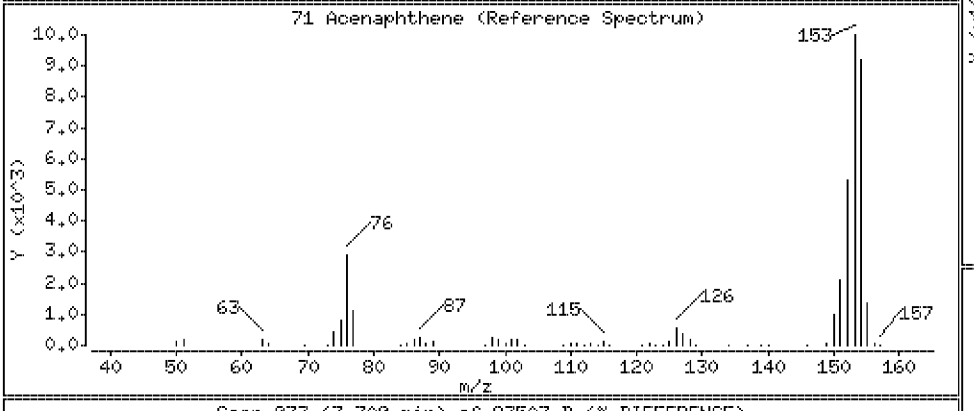
Concentration: 185 ug/kg

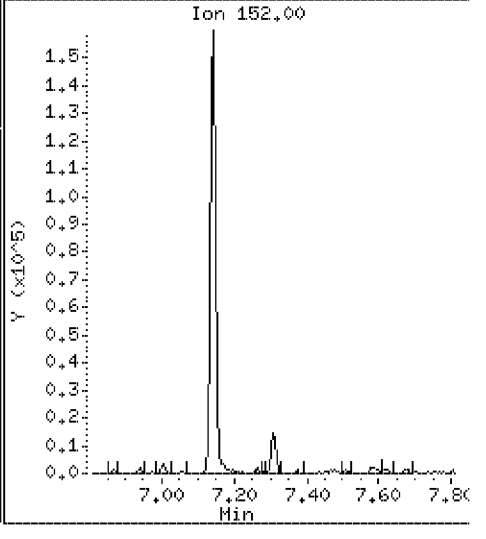


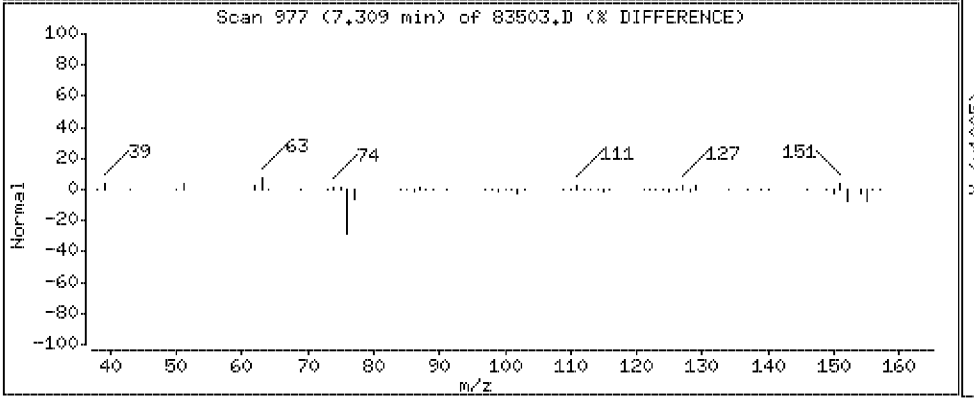












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

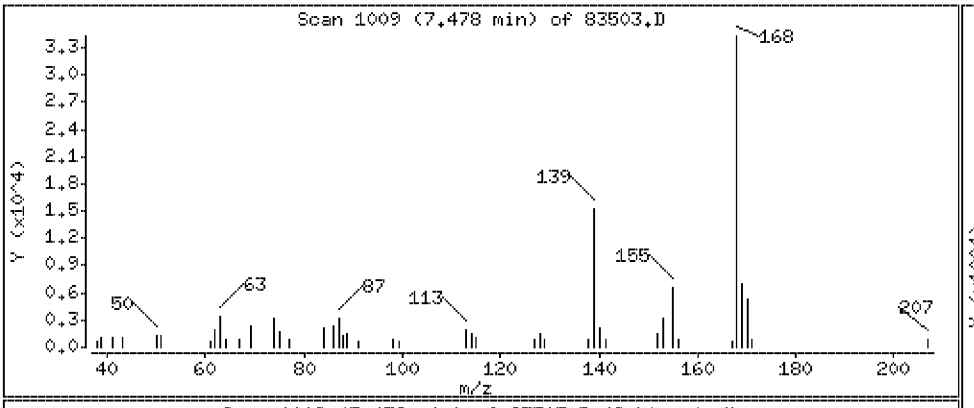
Operator: PEL

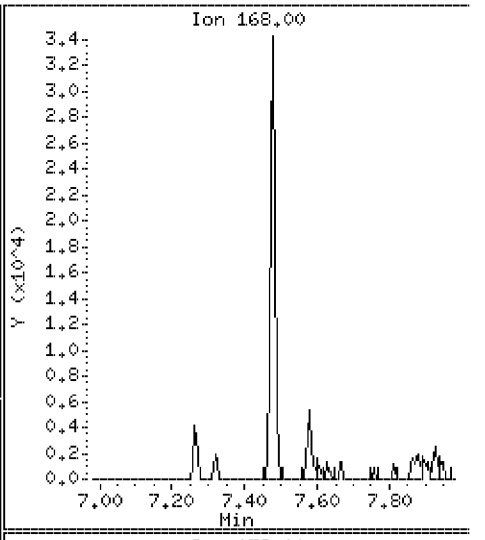
Column phase: HPMS-5

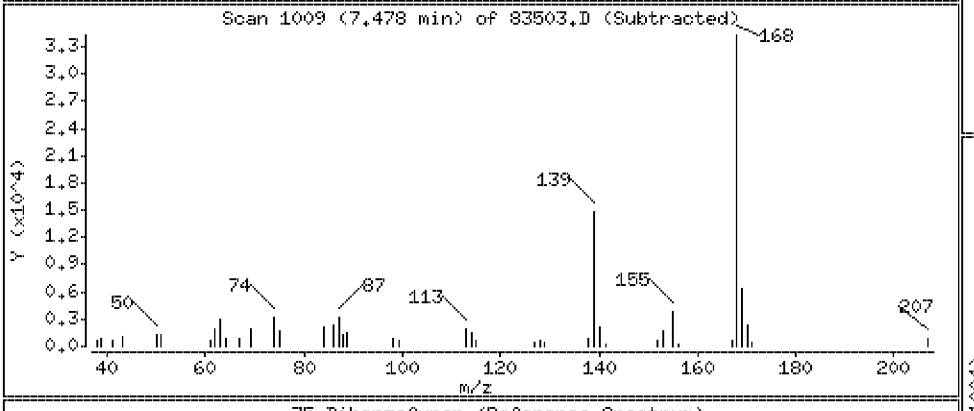
Column diameter: 0.25

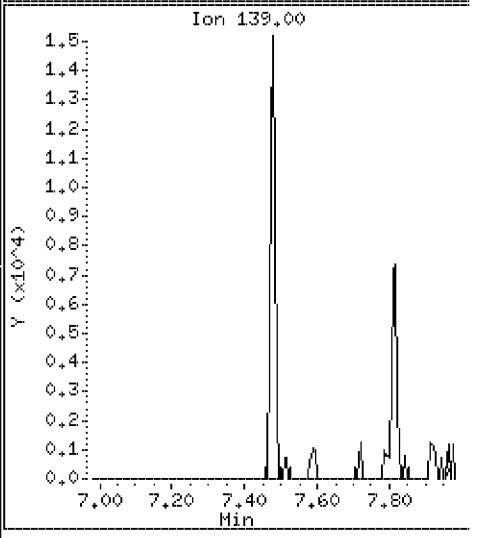
75 Dibenzofuran

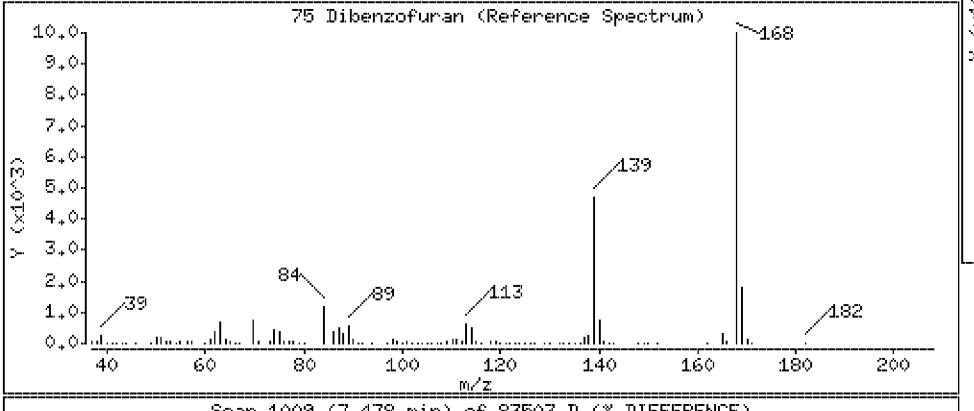
Concentration: 128 ug/kg

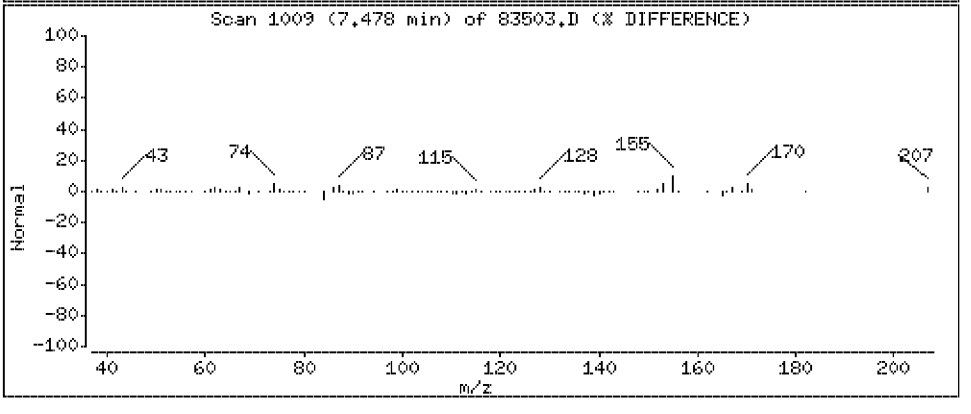












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

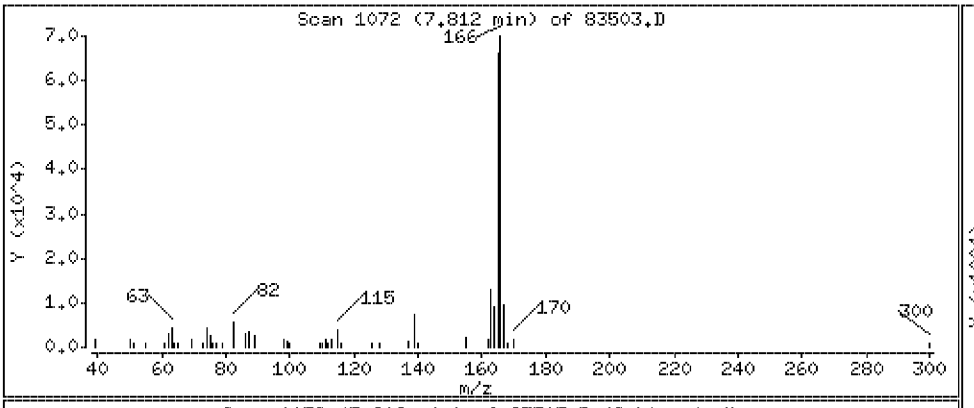
Operator: PEL

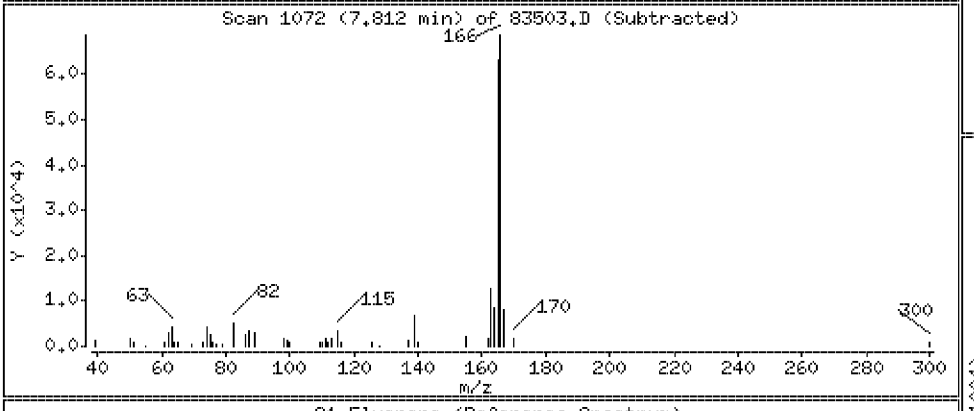
Column phase: HPMS-5

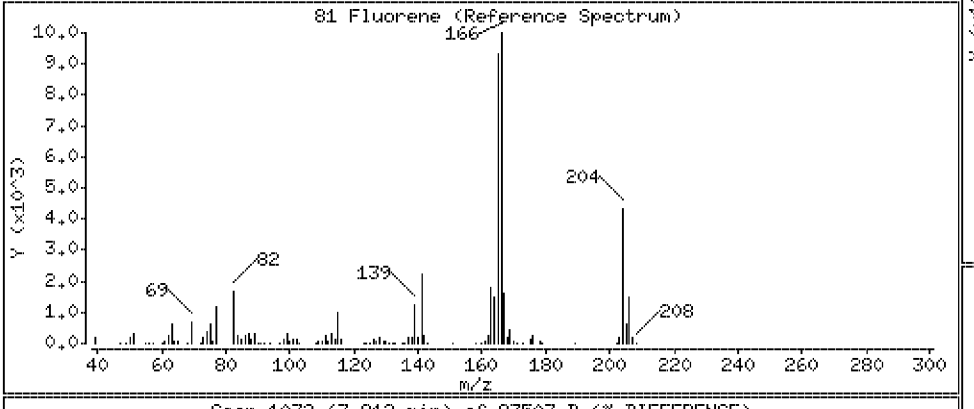
Column diameter: 0.25

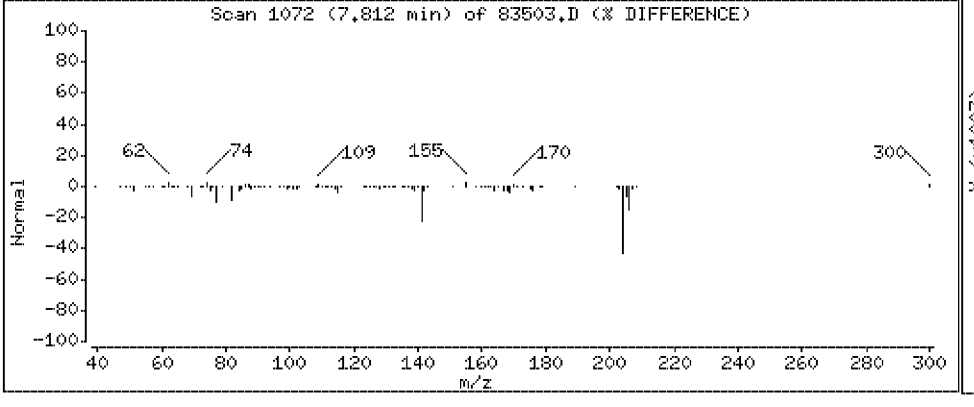
81 Fluorene

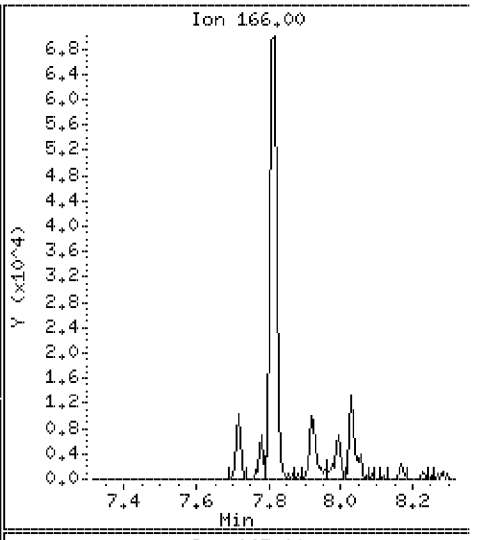
Concentration: 352 ug/kg

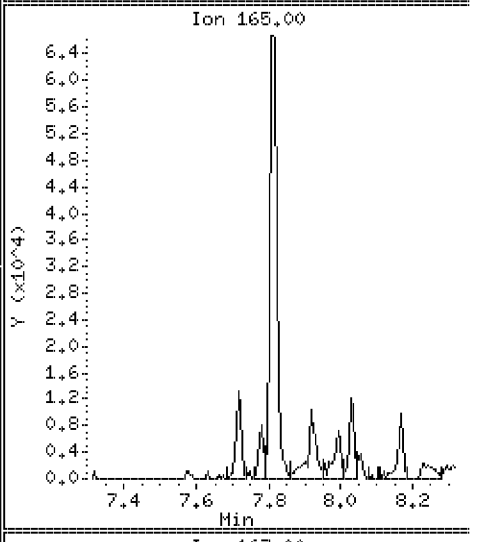


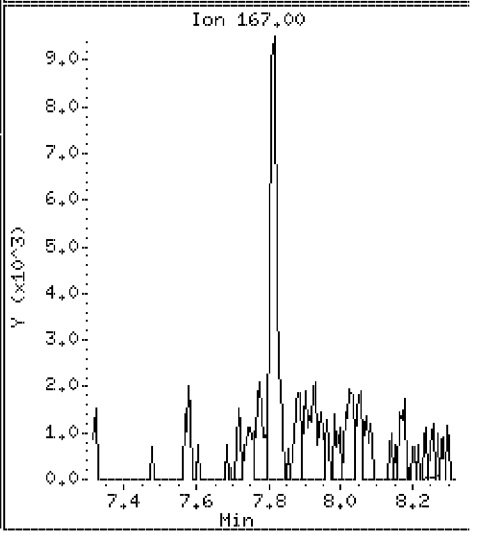












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

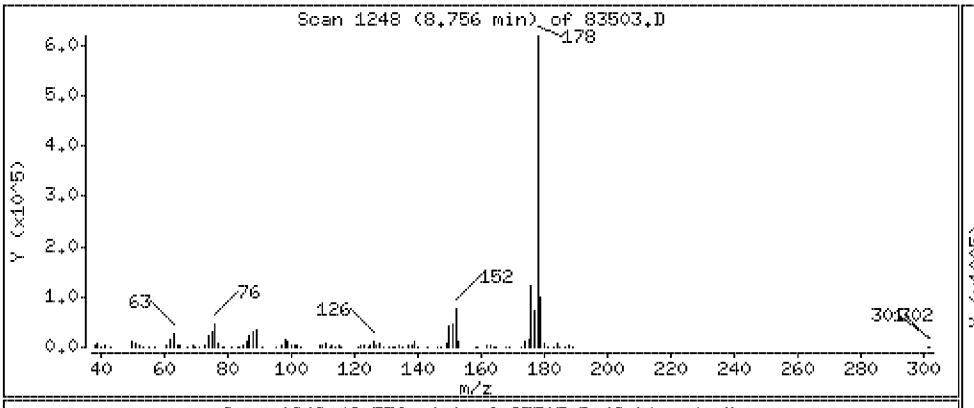
Operator: PEL

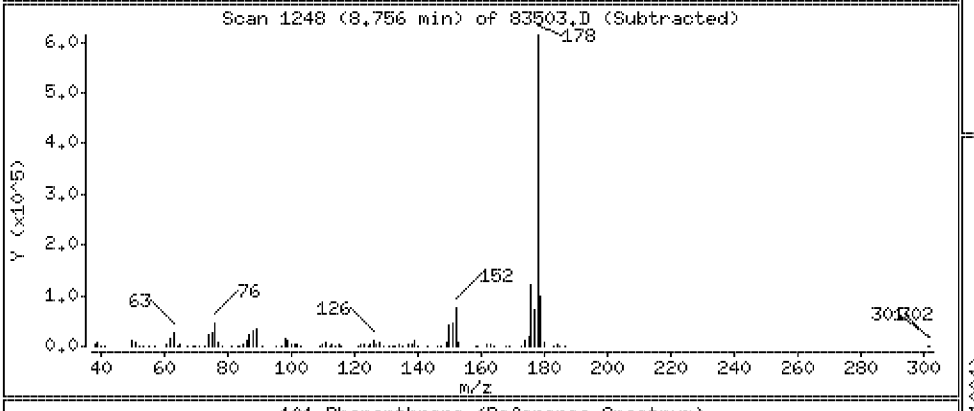
Column phase: HPMS-5

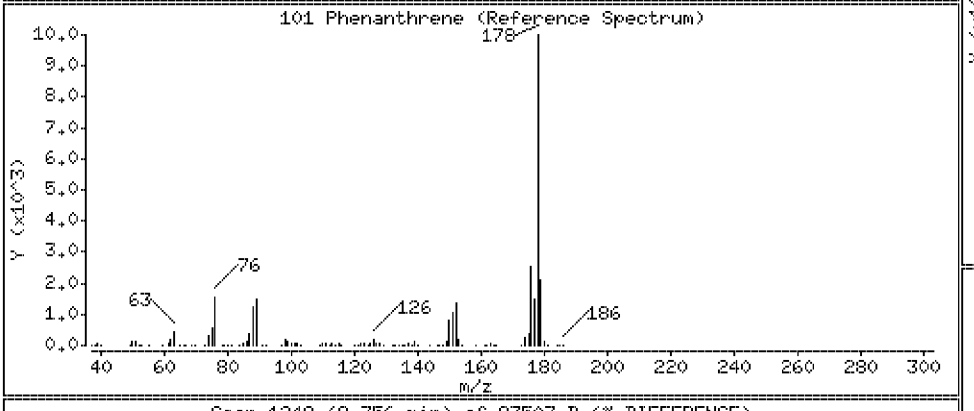
Column diameter: 0.25

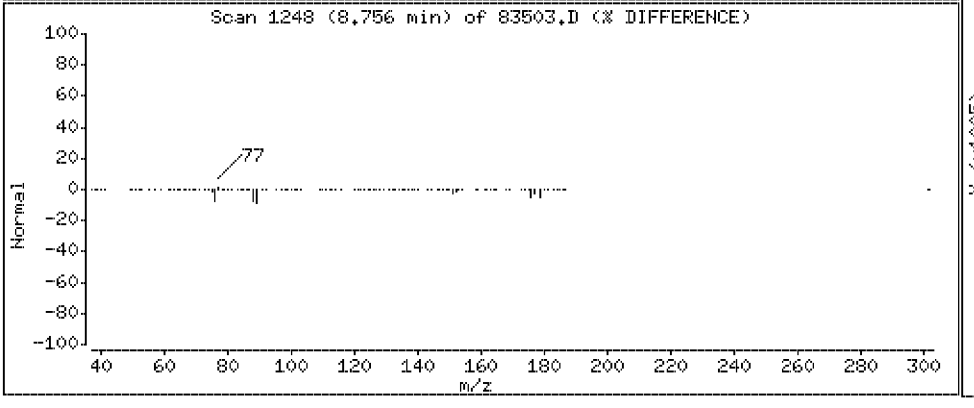
101 Phenanthrene

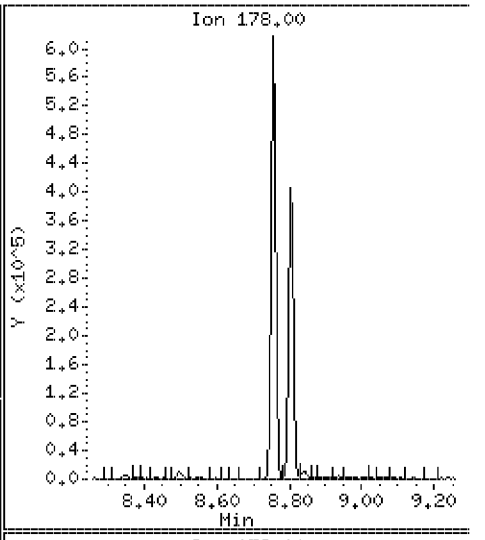
Concentration: 1930 ug/kg

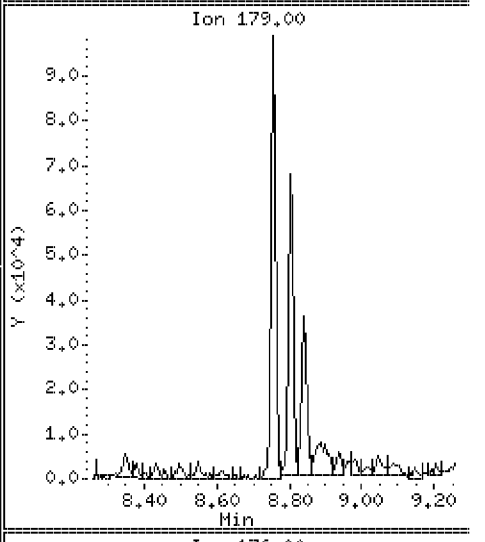


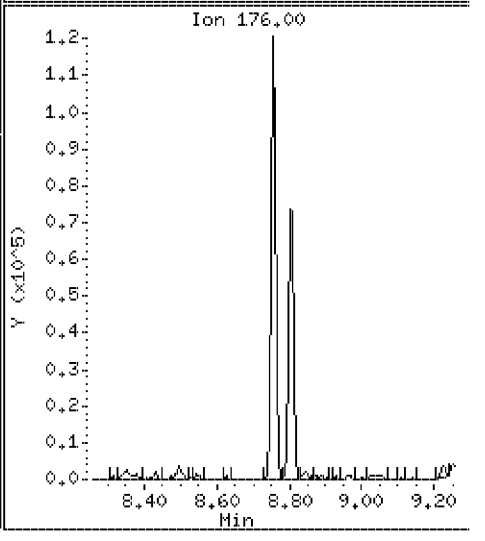












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

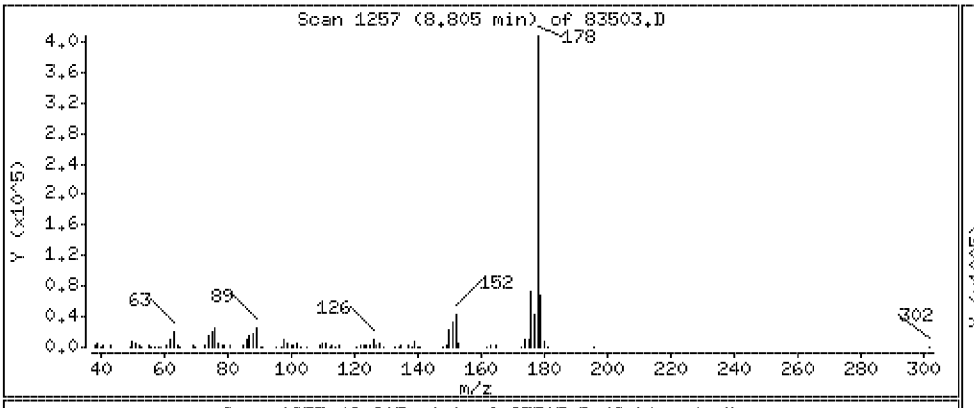
Operator: PEL

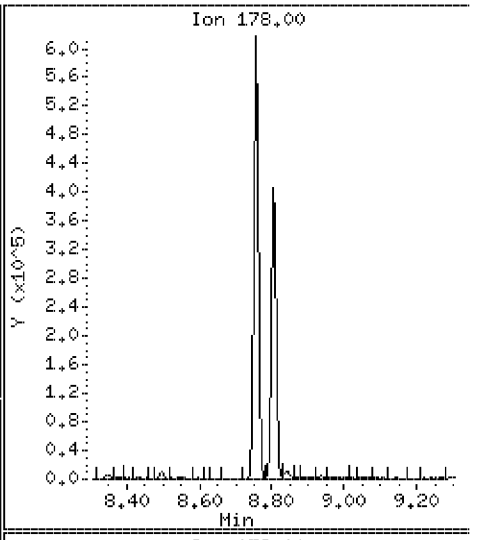
Column phase: HPMS-5

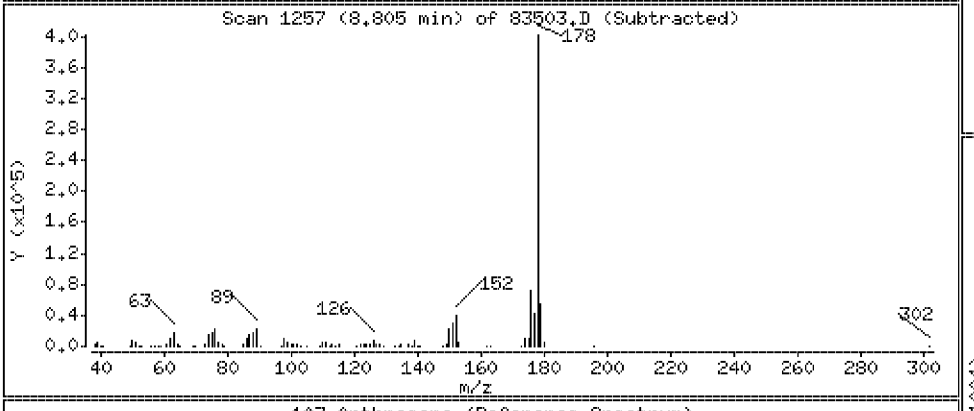
Column diameter: 0.25

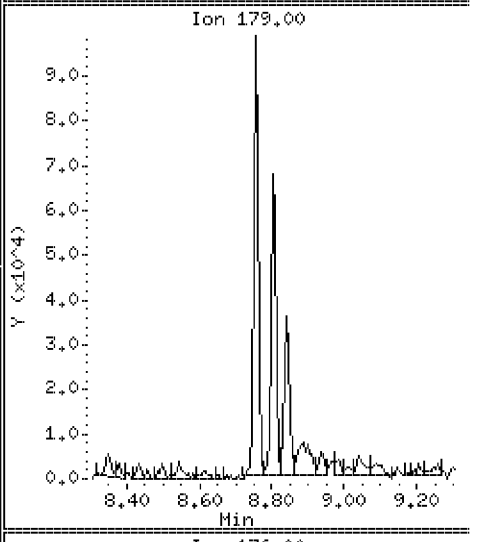
103 Anthracene

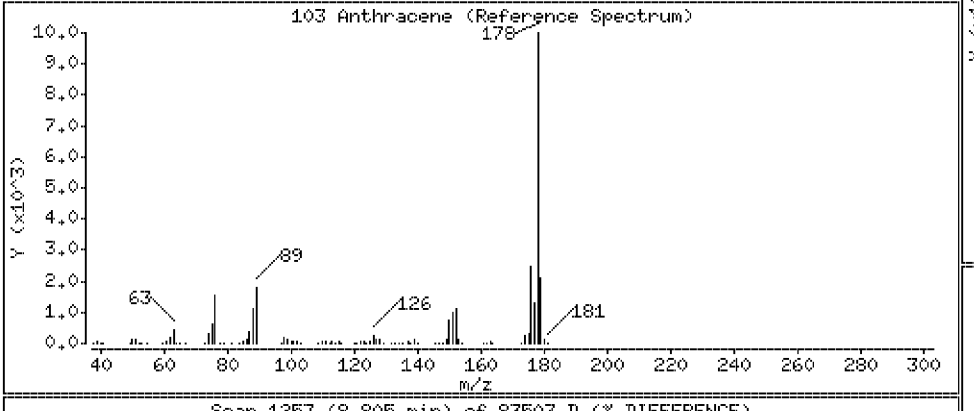
Concentration: 1360 ug/kg

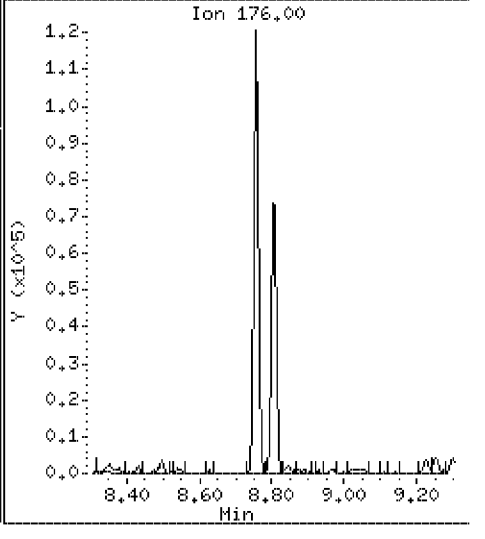


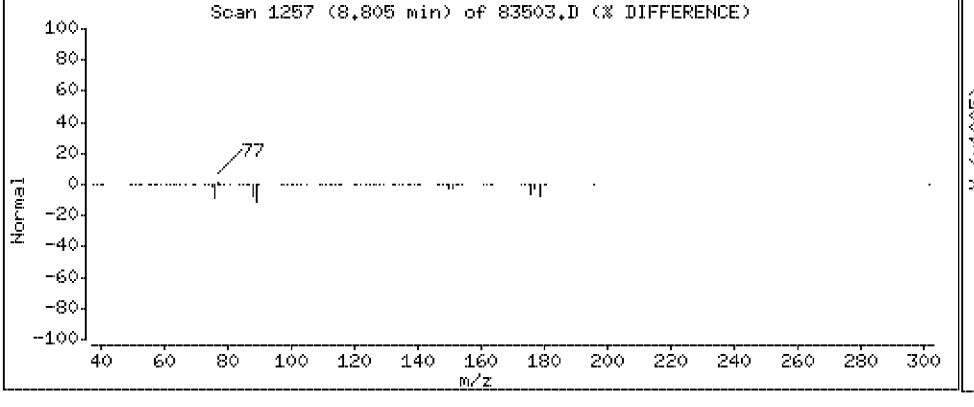












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

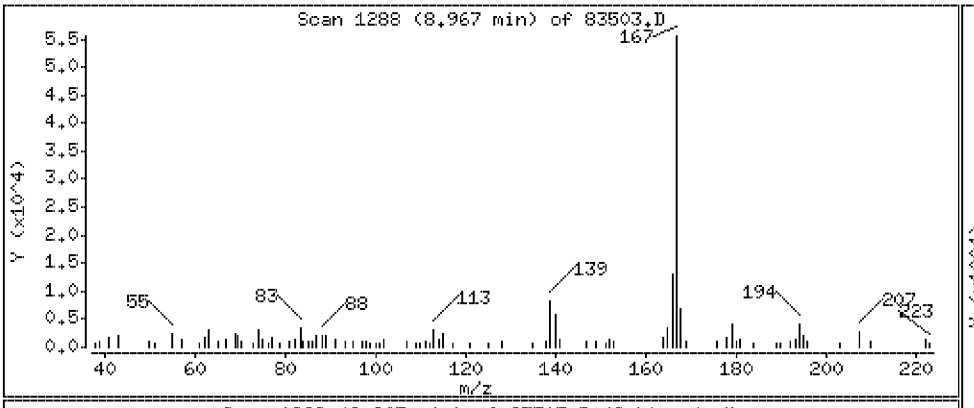
Operator: PEL

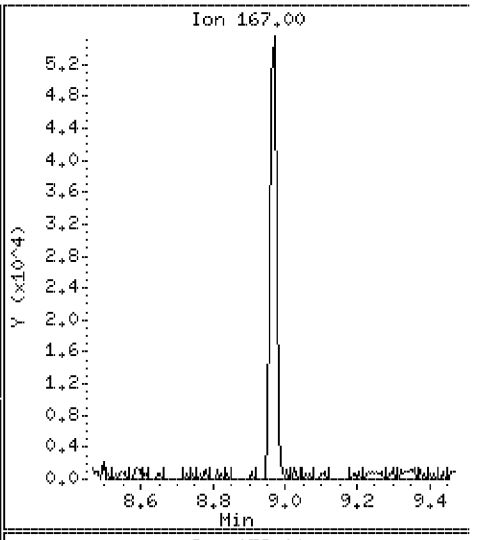
Column phase: HPMS-5

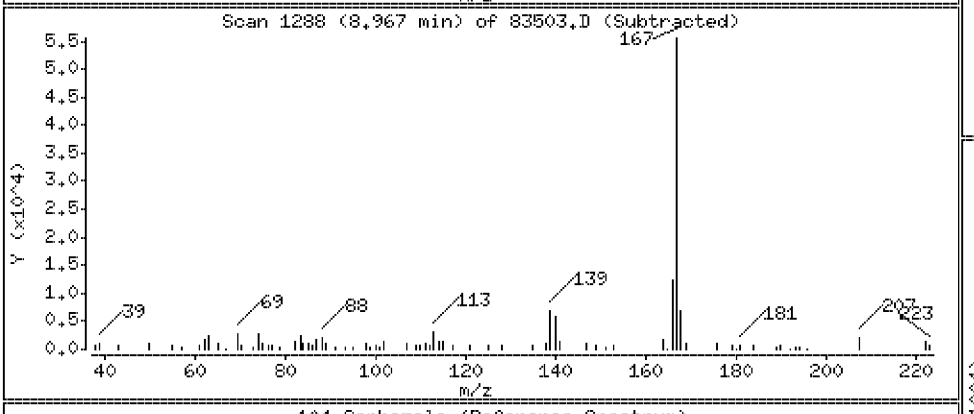
Column diameter: 0.25

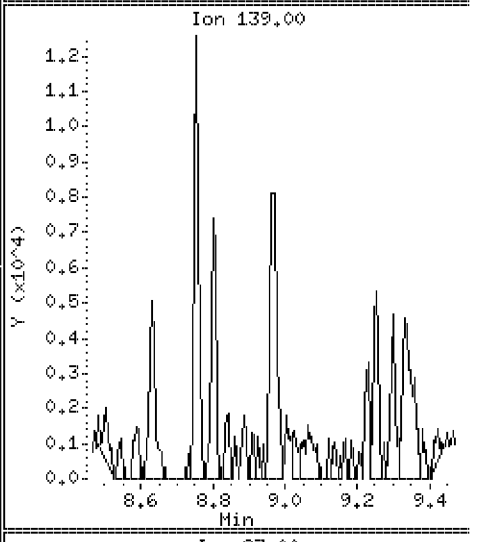
104 Carbazole

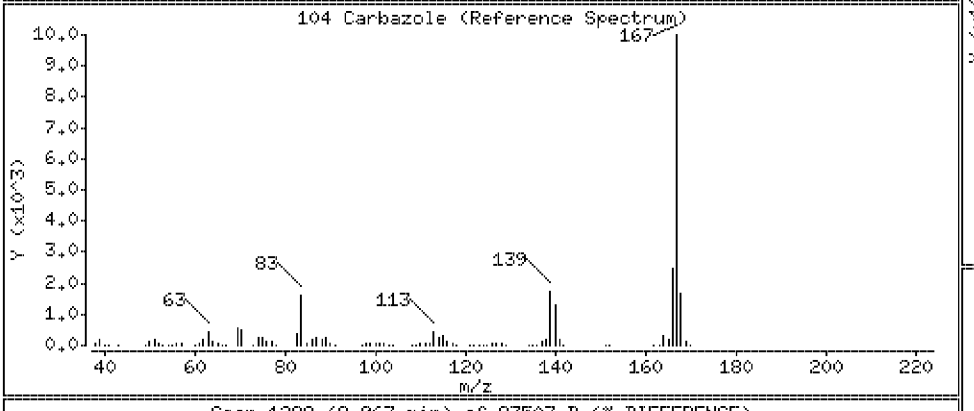
Concentration: 239 ug/kg

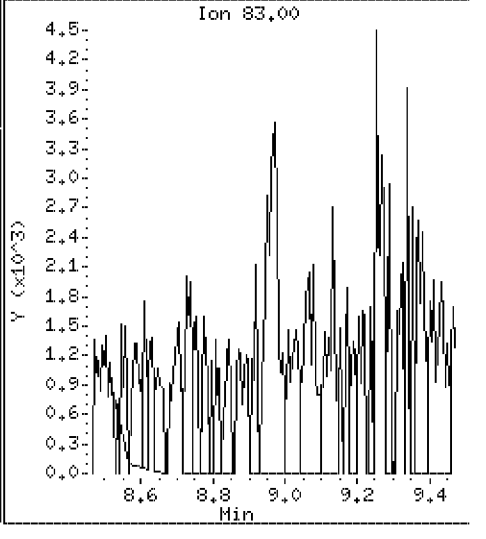


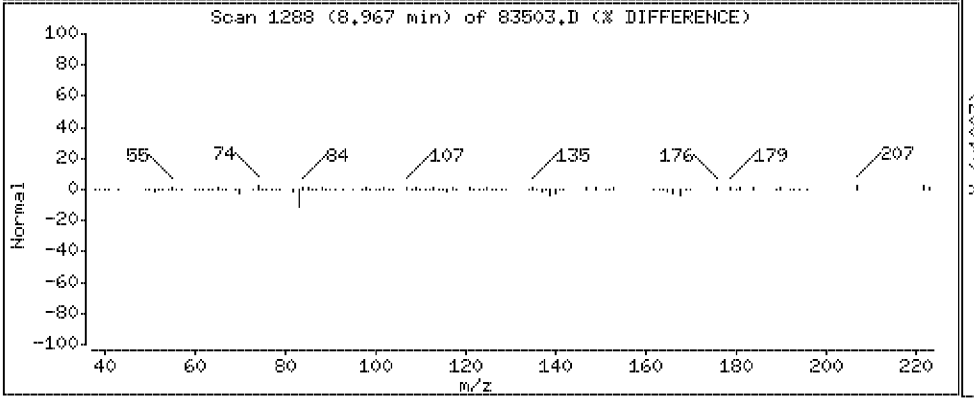












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

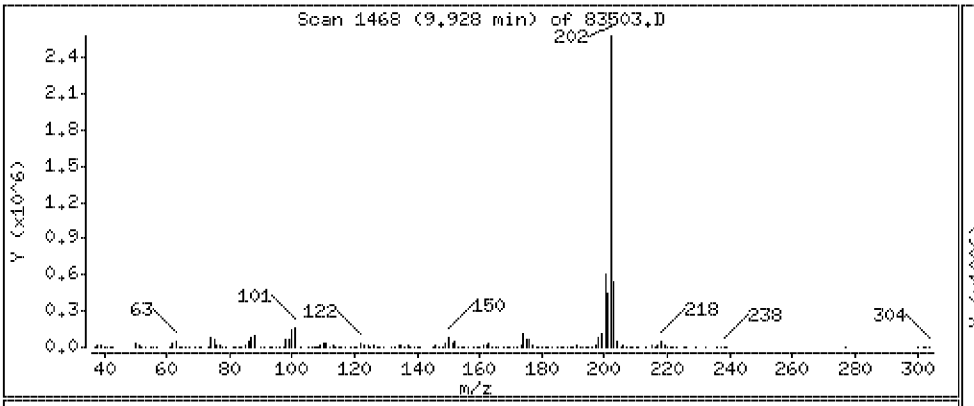
Operator: PEL

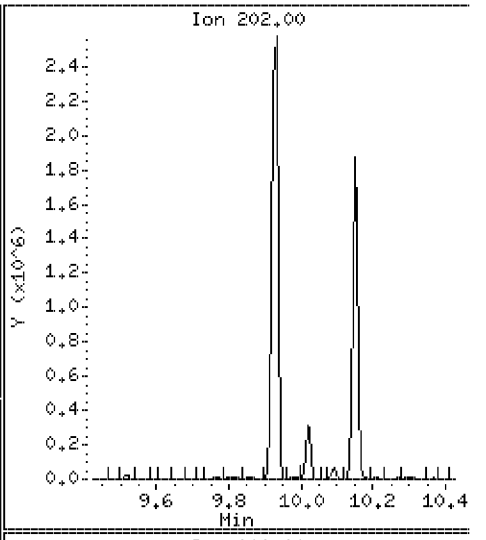
Column phase: HPMS-5

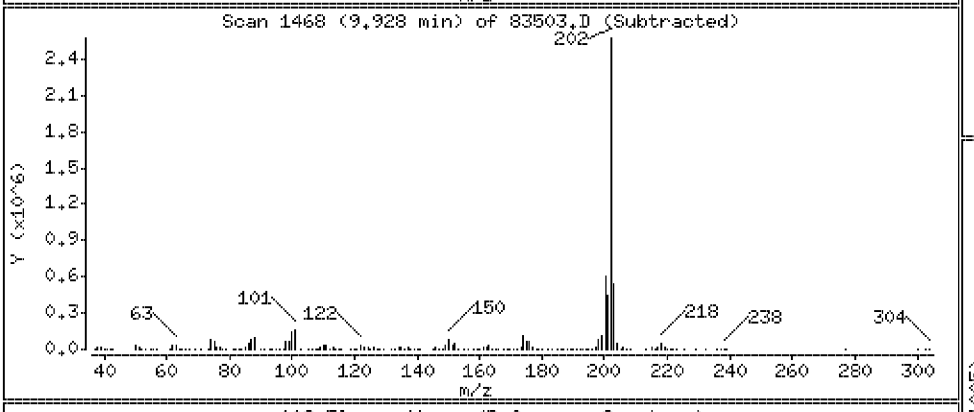
Column diameter: 0.25

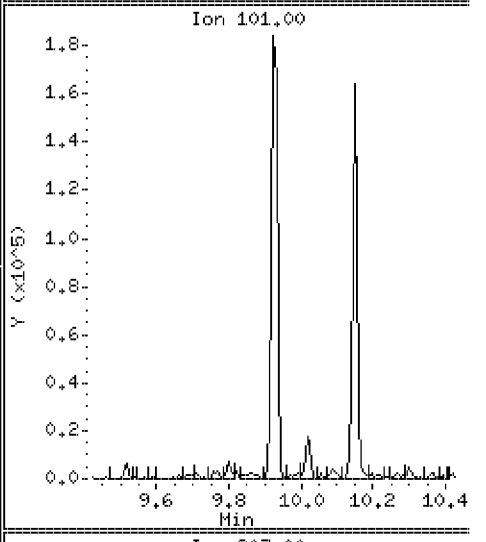
109 Fluoranthene

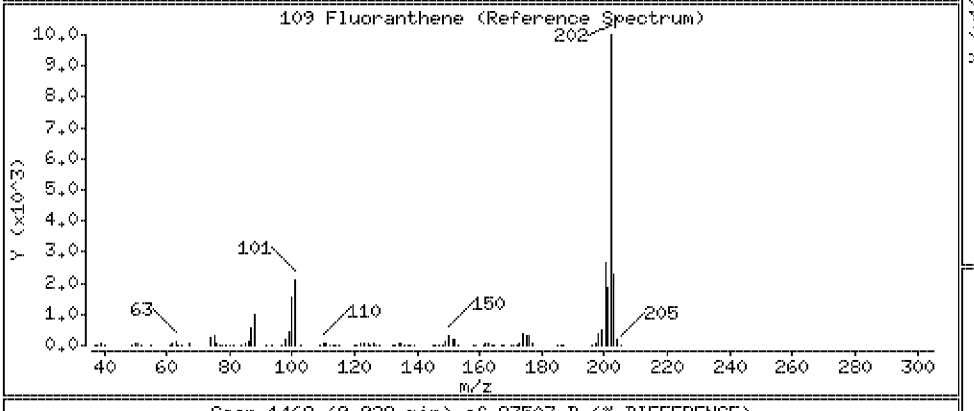
Concentration: 7610 ug/kg

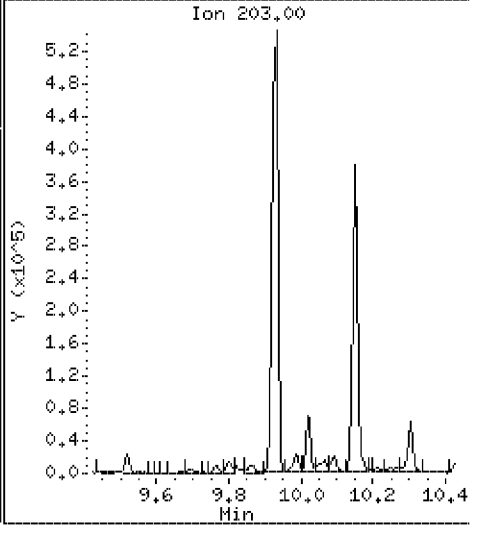


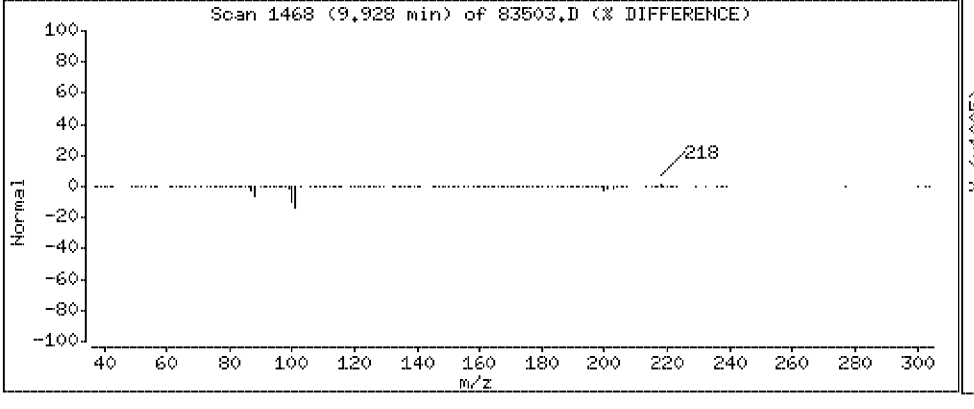












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

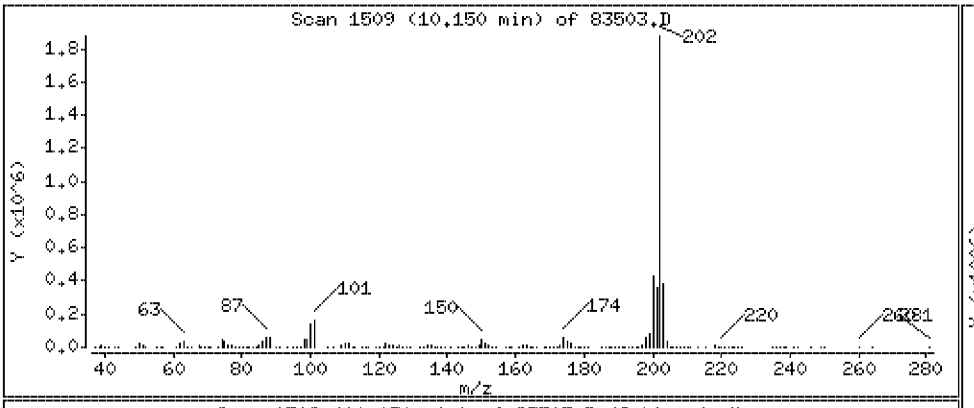
Operator: PEL

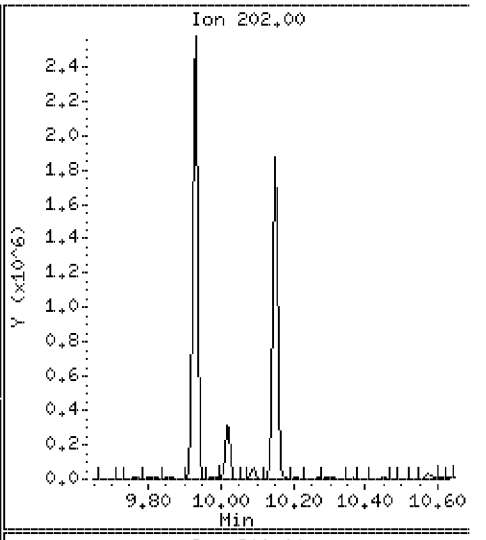
Column phase: HPMS-5

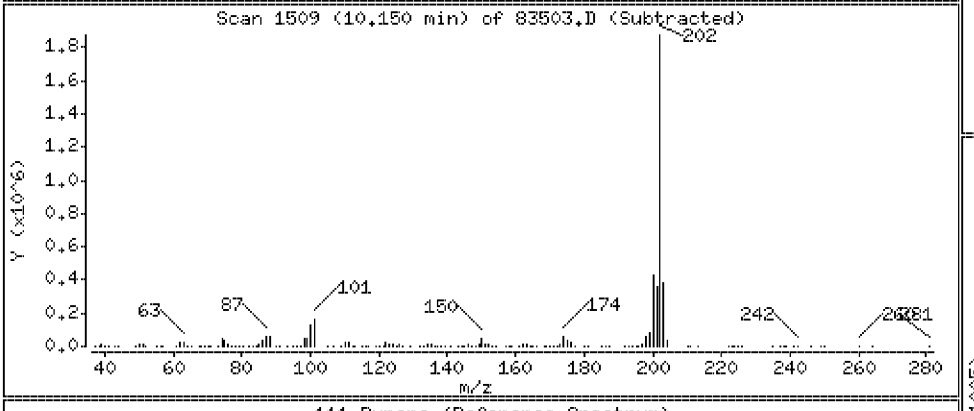
Column diameter: 0.25

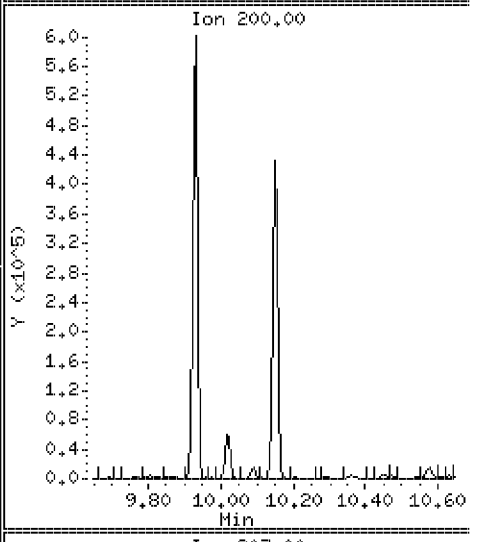
111 Pyrene

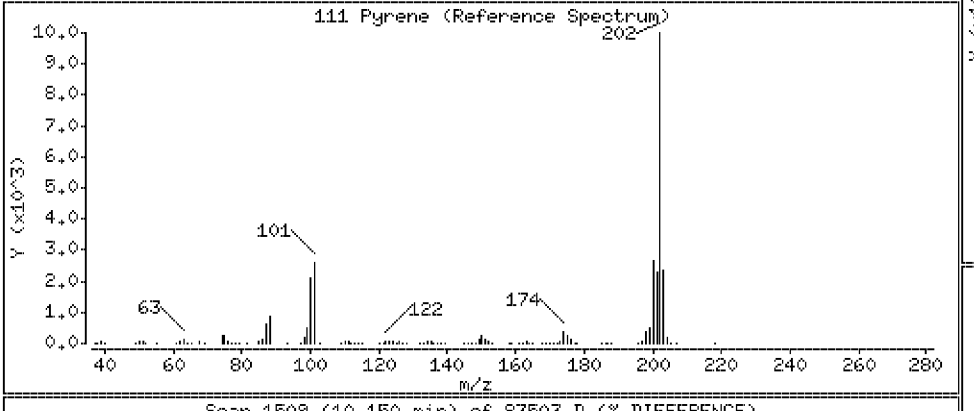
Concentration: 5660 ug/kg

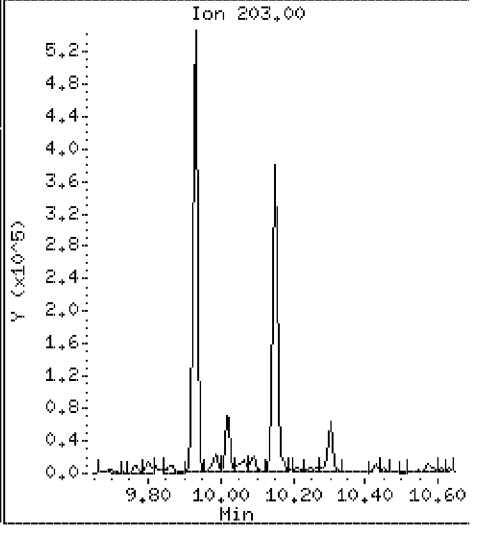


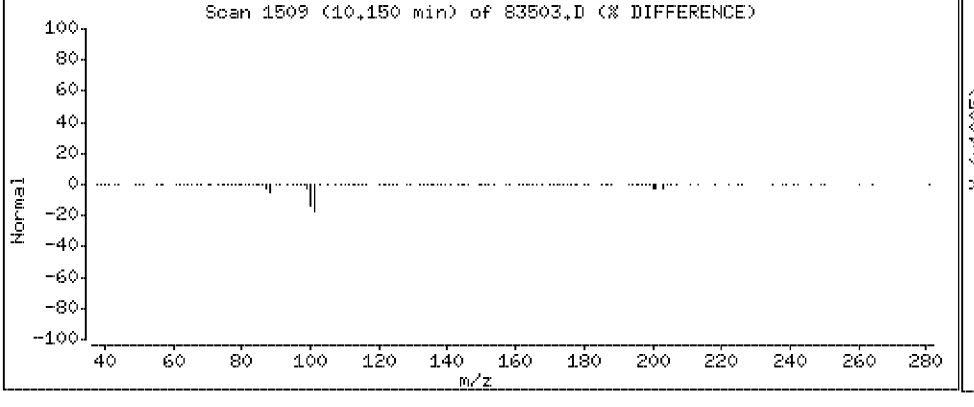












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

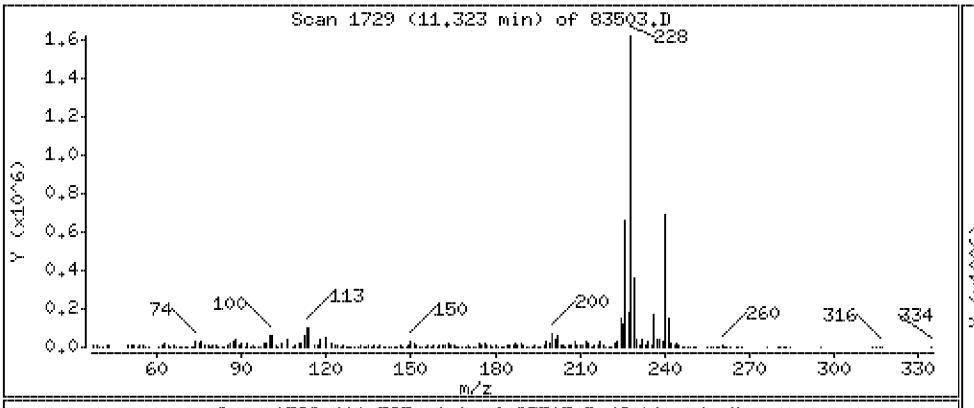
Operator: PEL

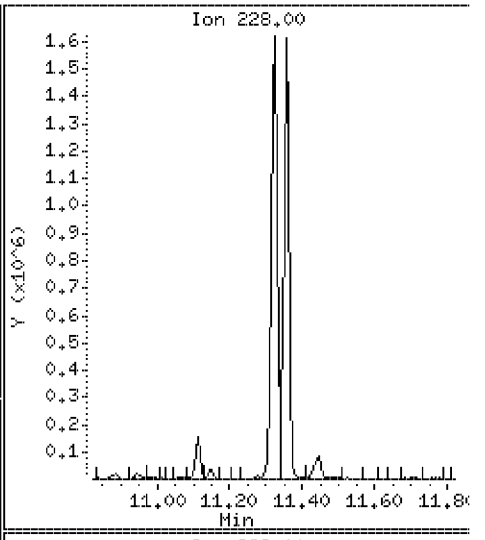
Column phase: HPMS-5

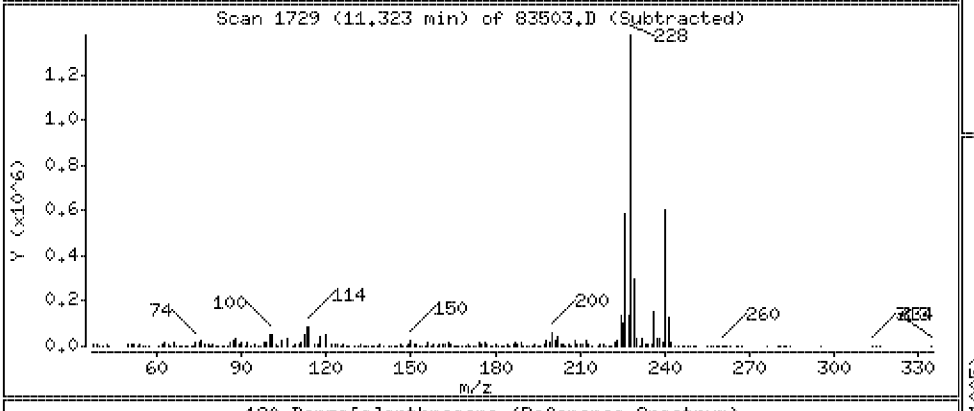
Column diameter: 0.25

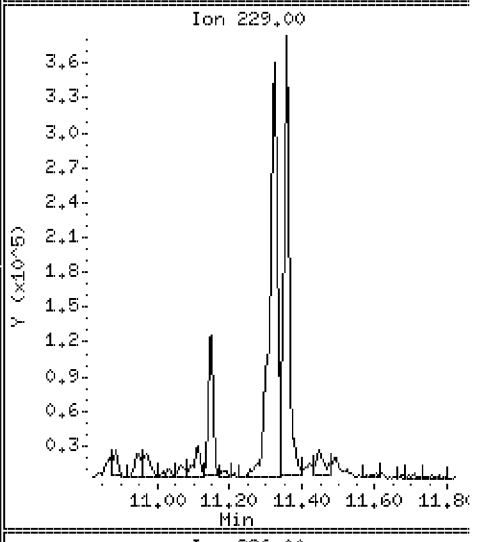
120 Benzo[a]anthracene

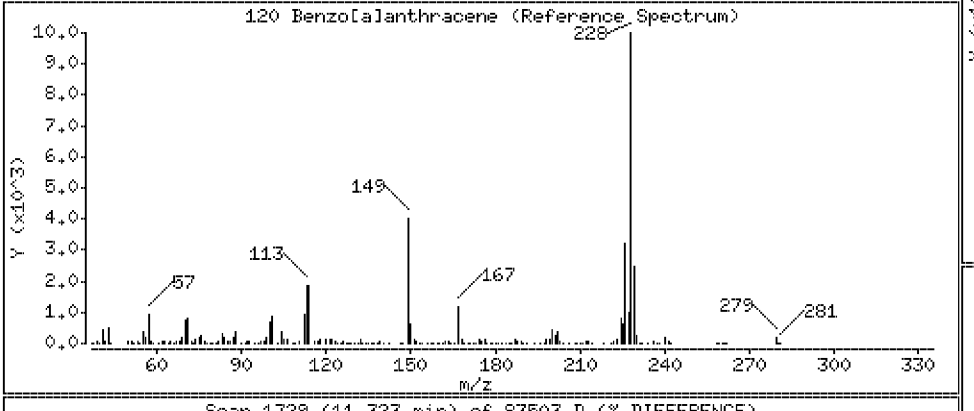
Concentration: 4580 ug/kg

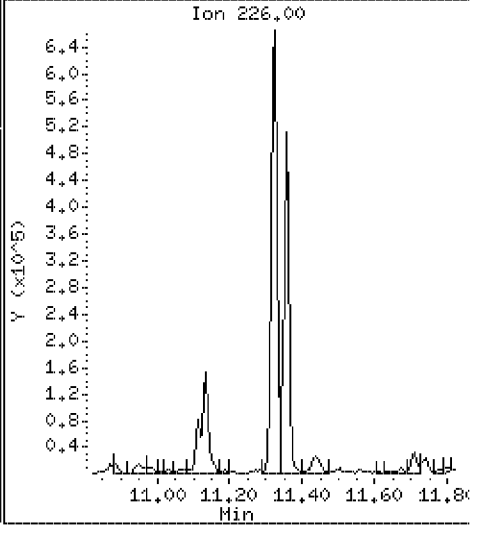


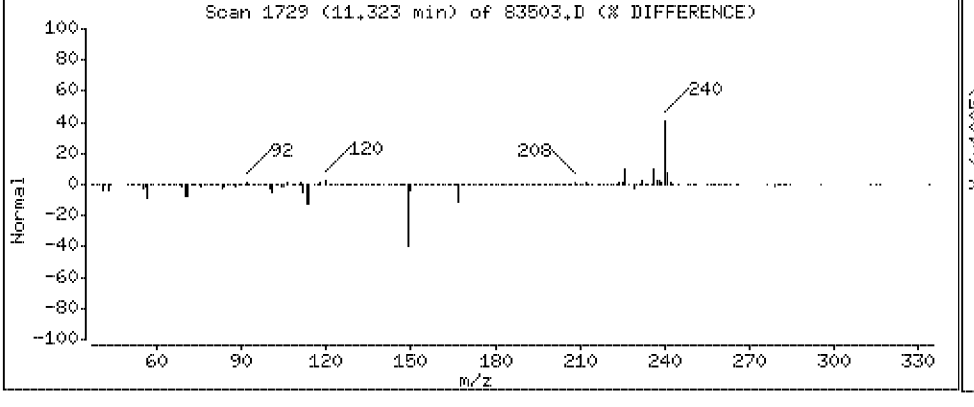












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

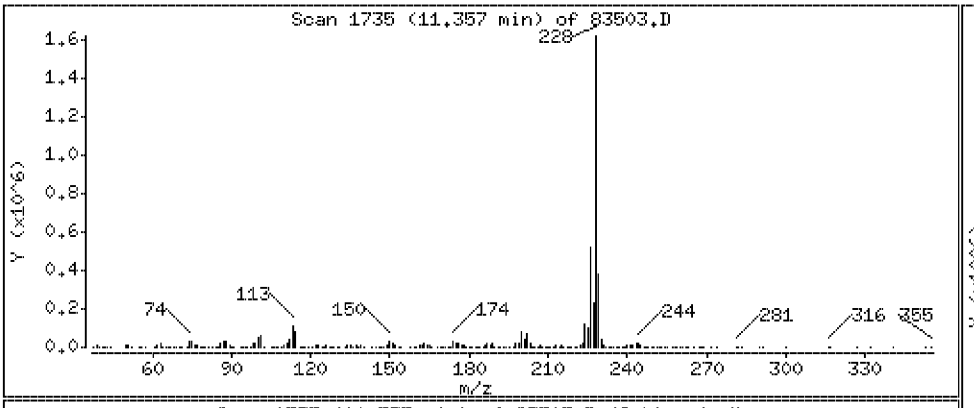
Operator: PEL

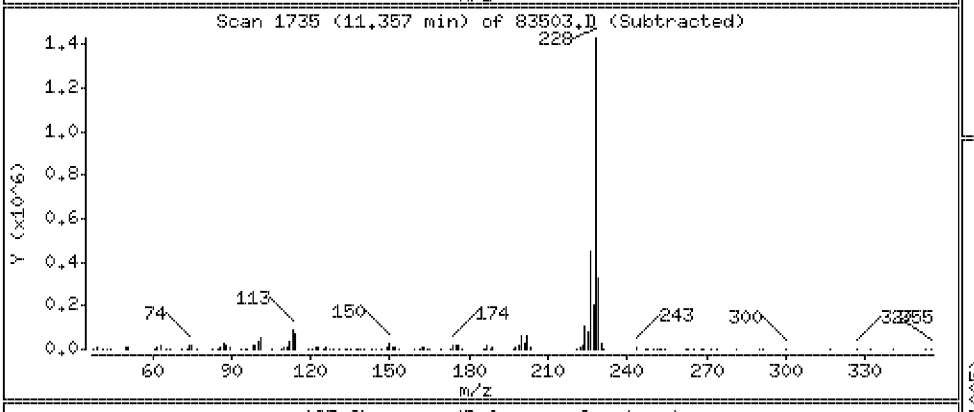
Column phase: HPMS-5

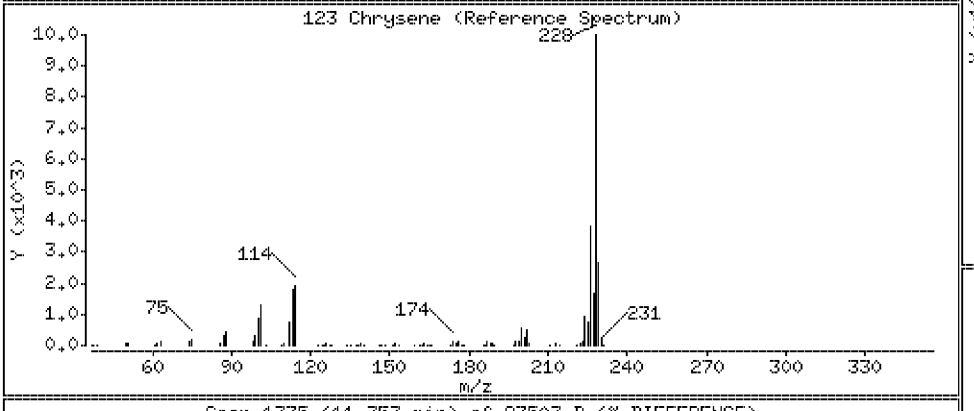
Column diameter: 0.25

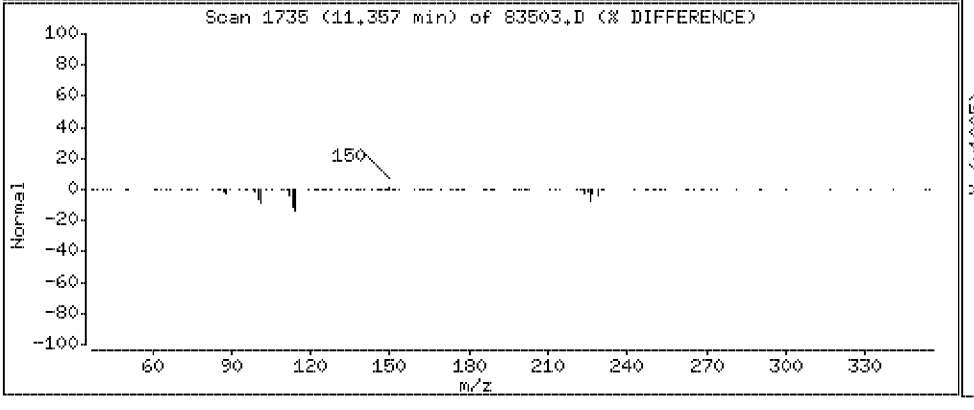
123 Chrysene

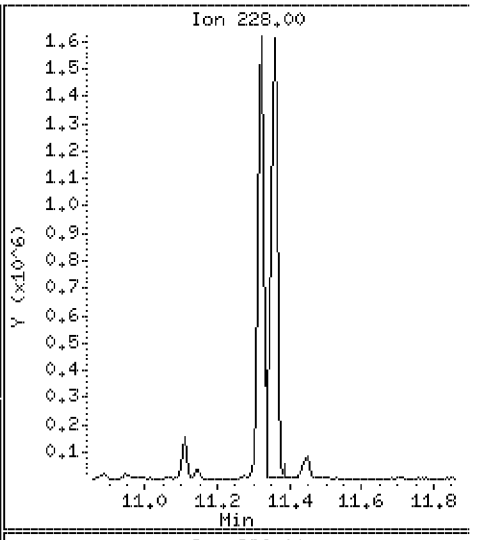
Concentration: 4620 ug/kg

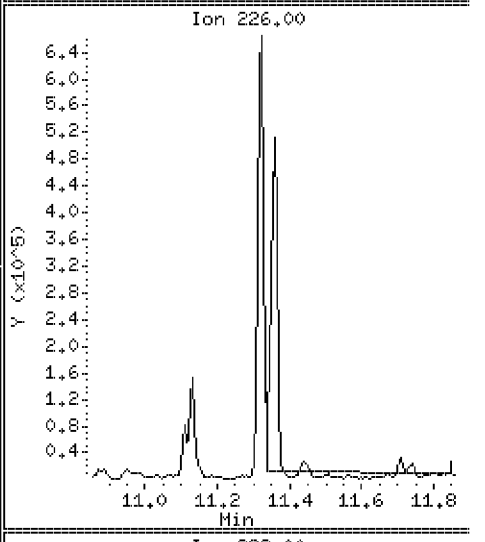


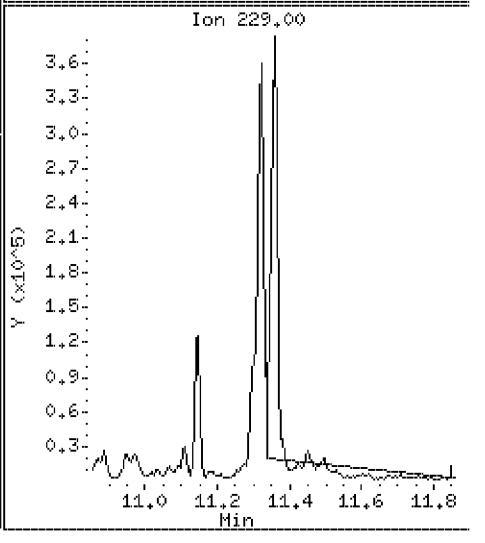












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

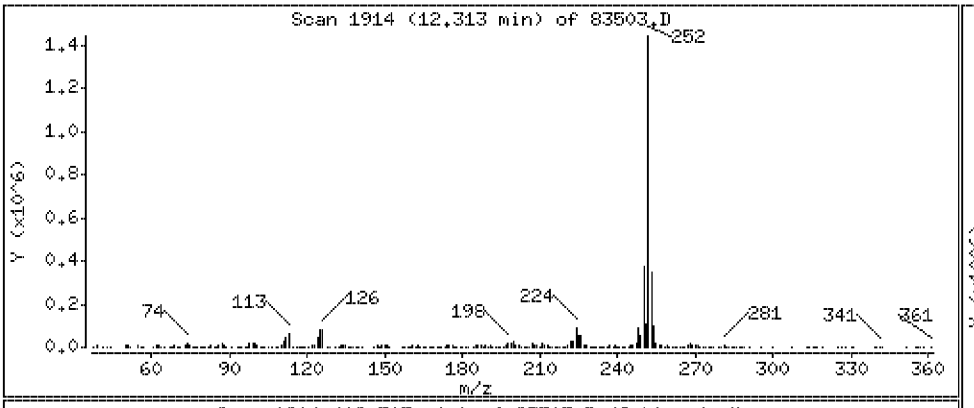
Operator: PEL

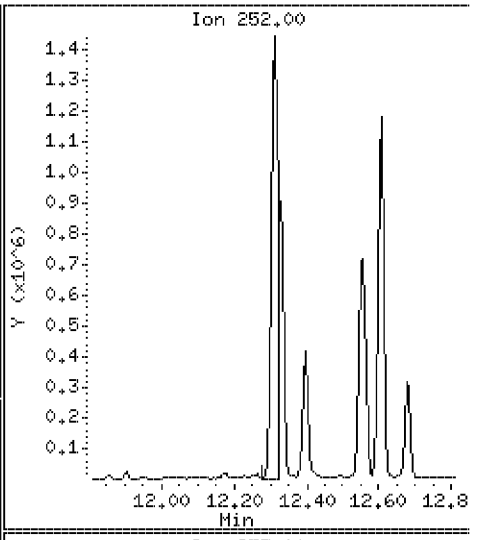
Column phase: HPMS-5

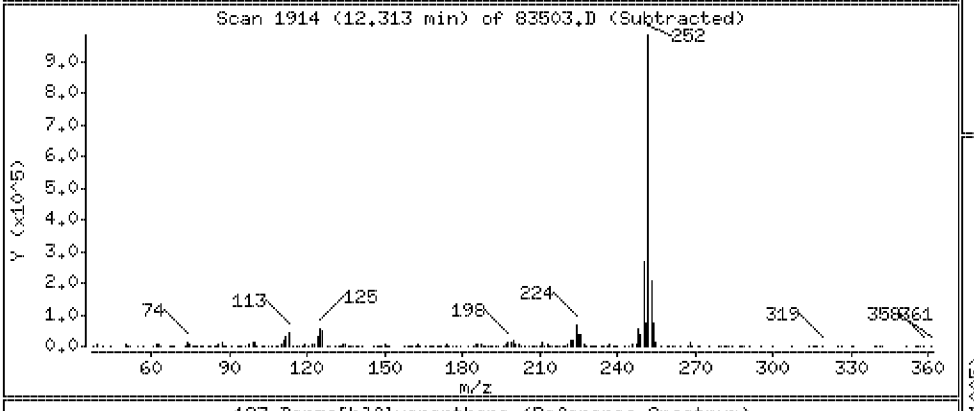
Column diameter: 0.25

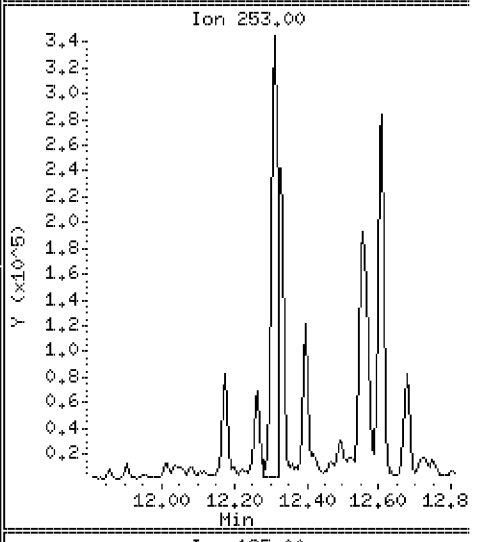
127 Benzo[b]fluoranthene

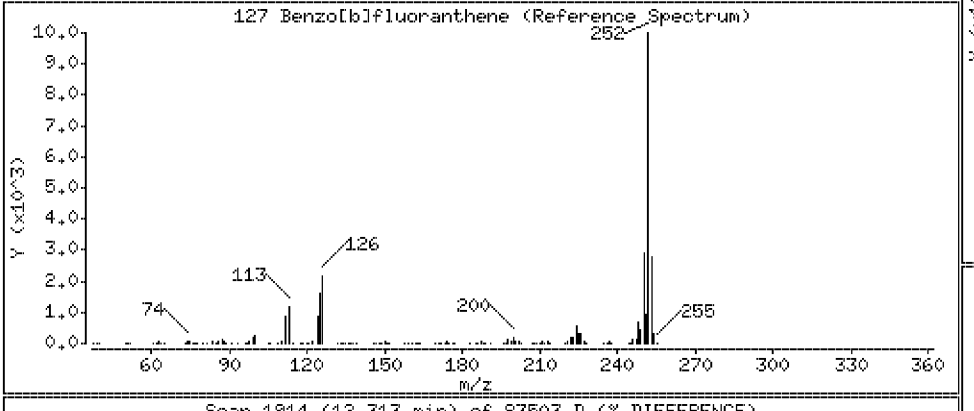
Concentration: 4860 ug/kg

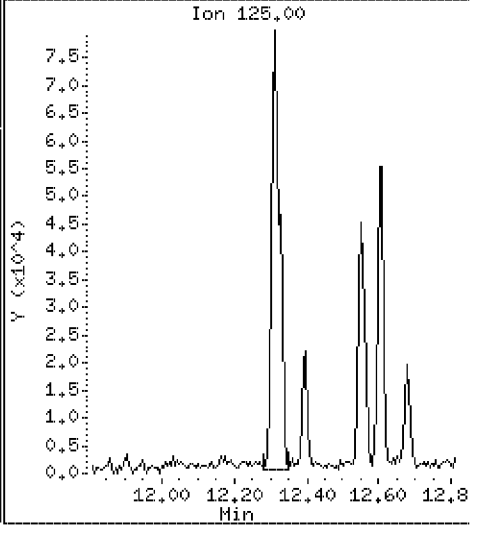


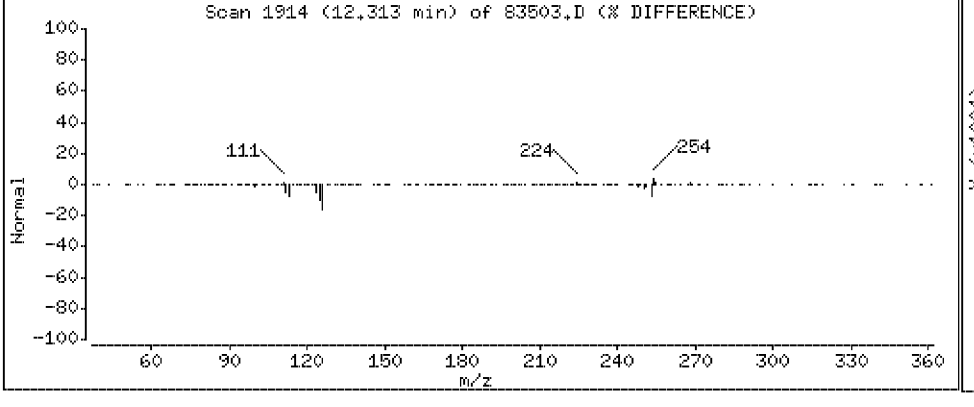












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

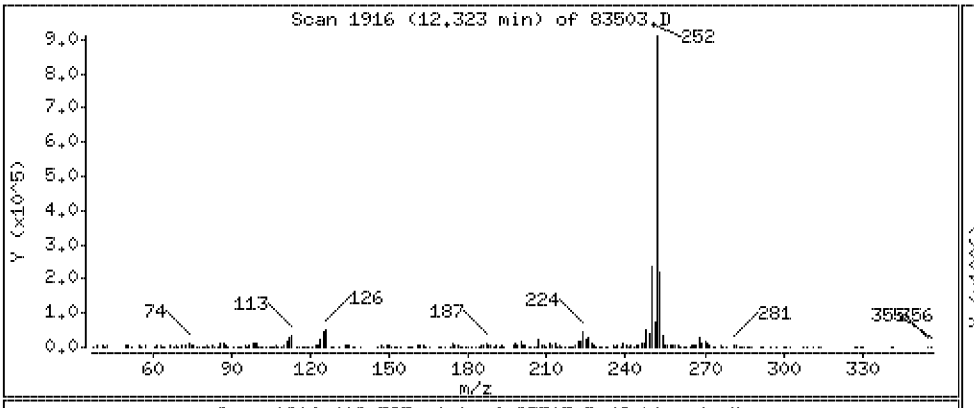
Operator: PEL

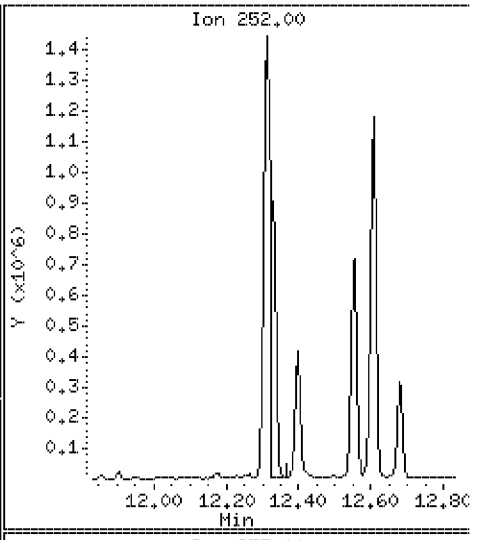
Column phase: HPMS-5

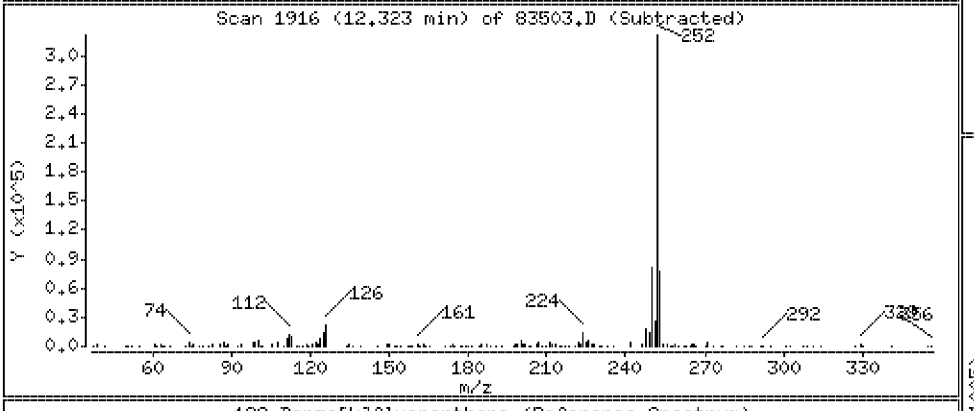
Column diameter: 0.25

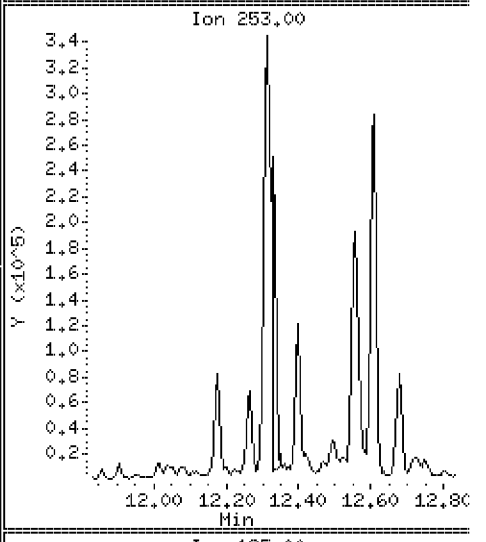
128 Benzo[k]fluoranthene

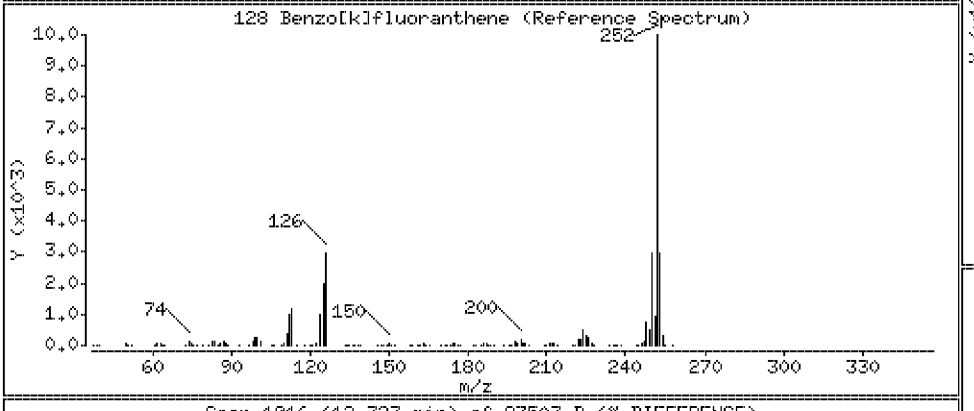
Concentration: 2450 ug/kg

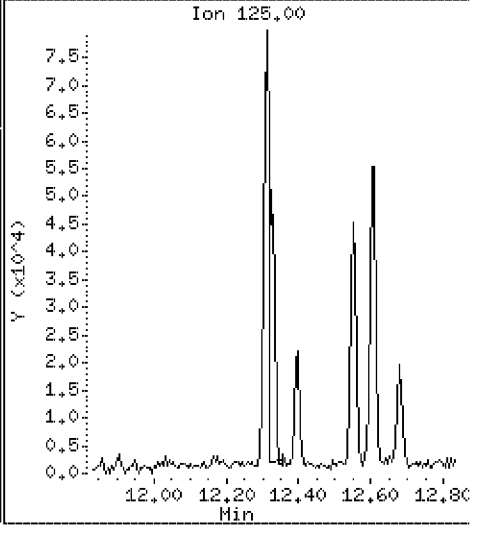


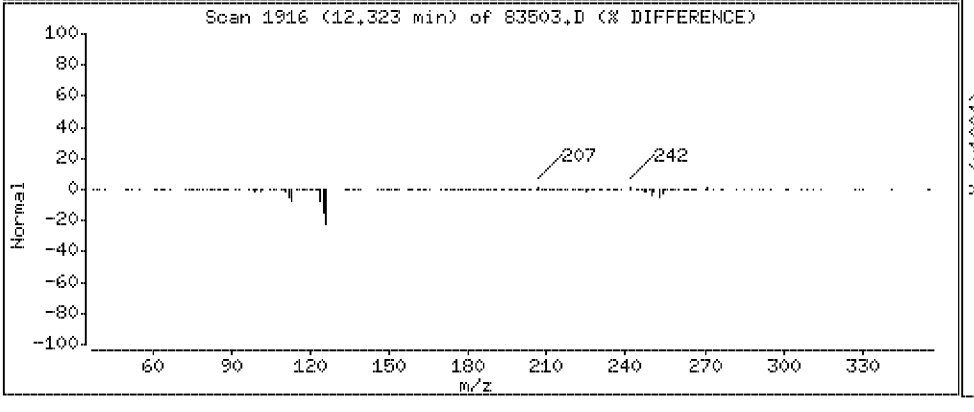












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

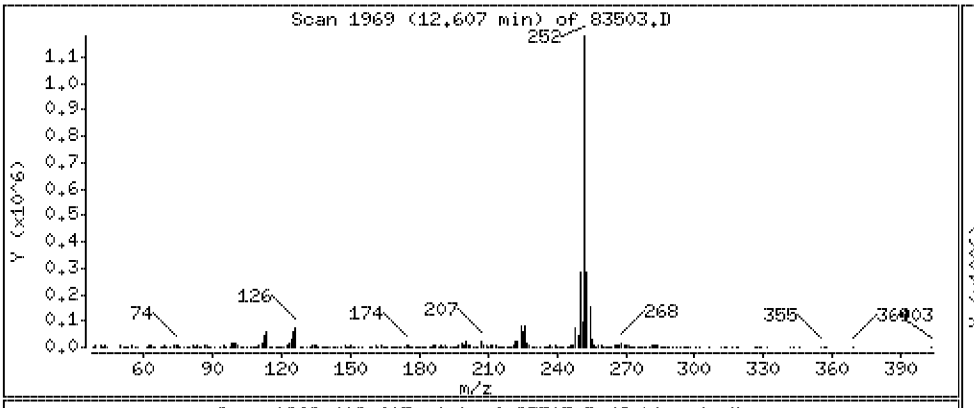
Operator: PEL

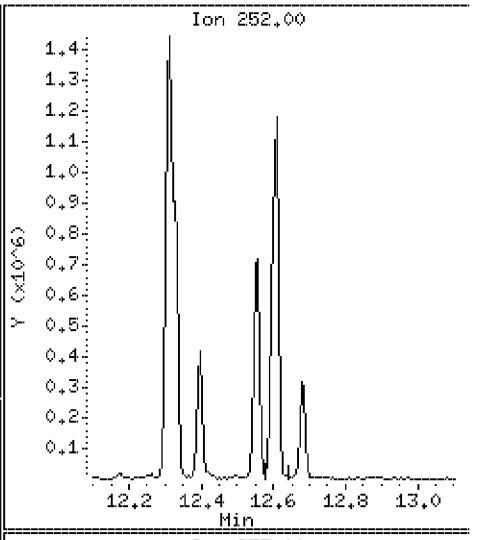
Column phase: HPMS-5

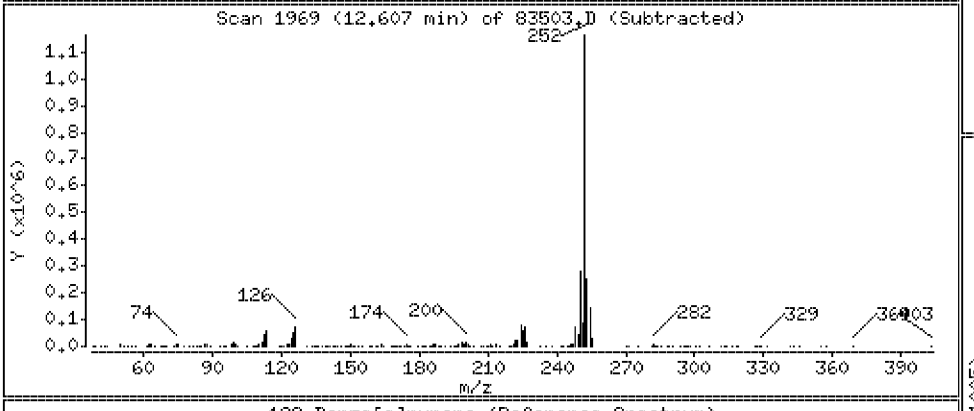
Column diameter: 0.25

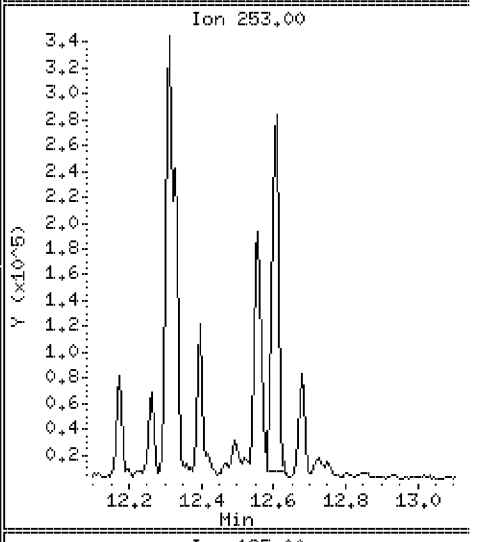
129 Benzo[a]pyrene

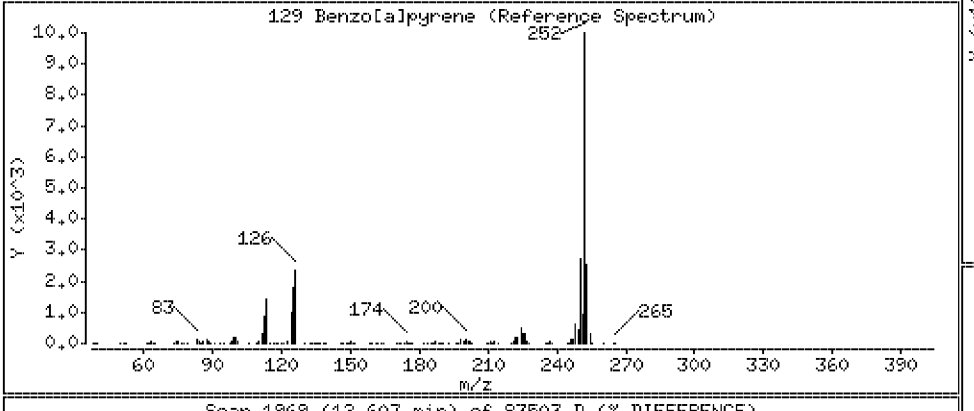
Concentration: 3370 ug/kg

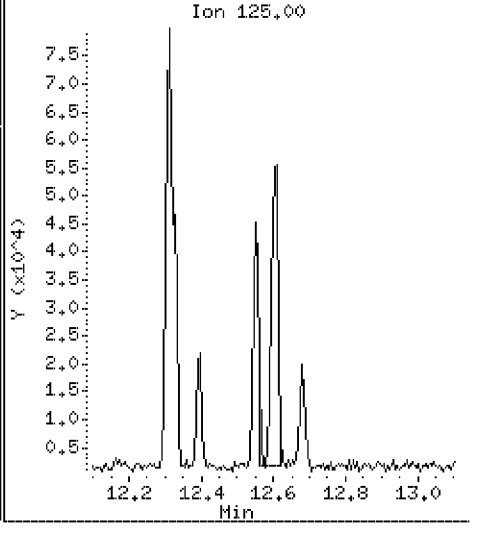


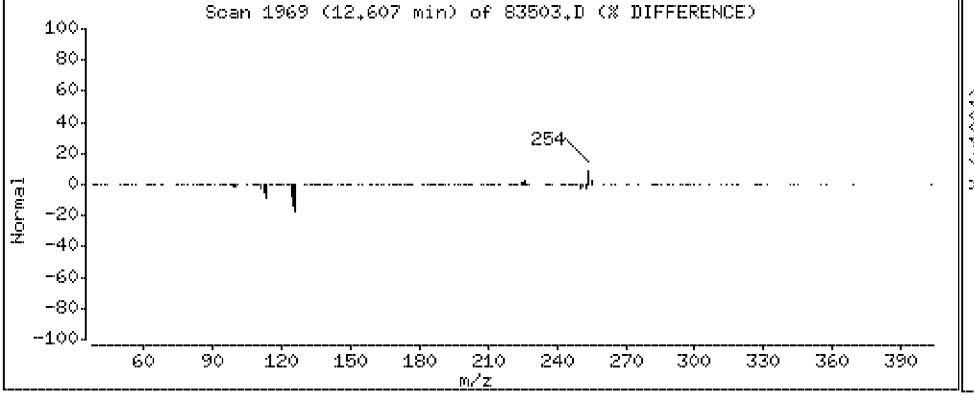












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Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

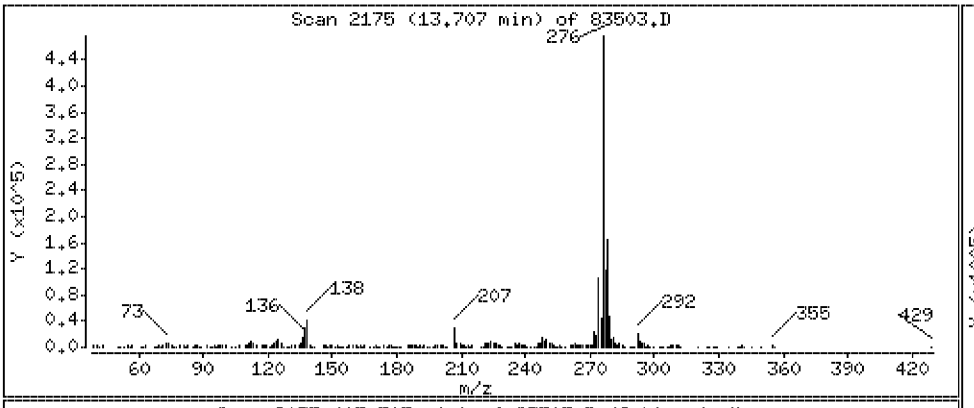
Operator: PEL

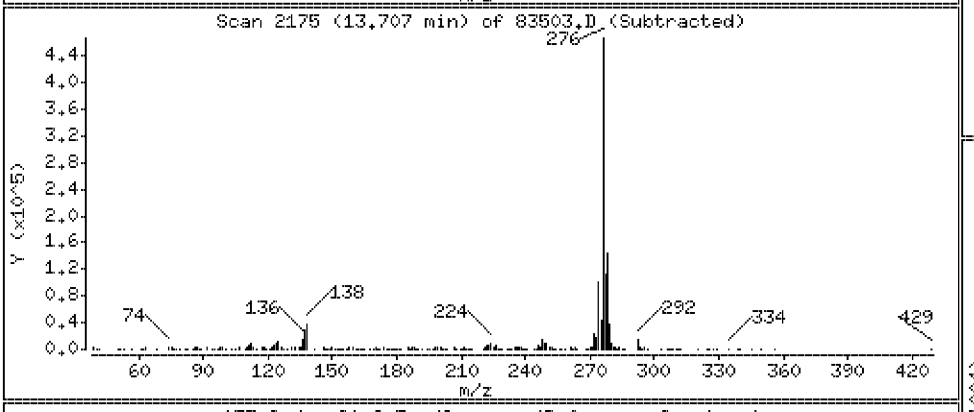
Column phase: HPMS-5

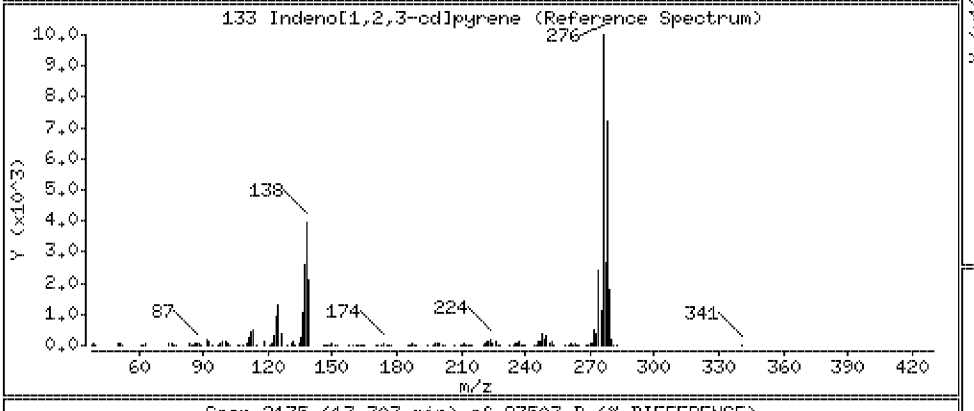
Column diameter: 0.25

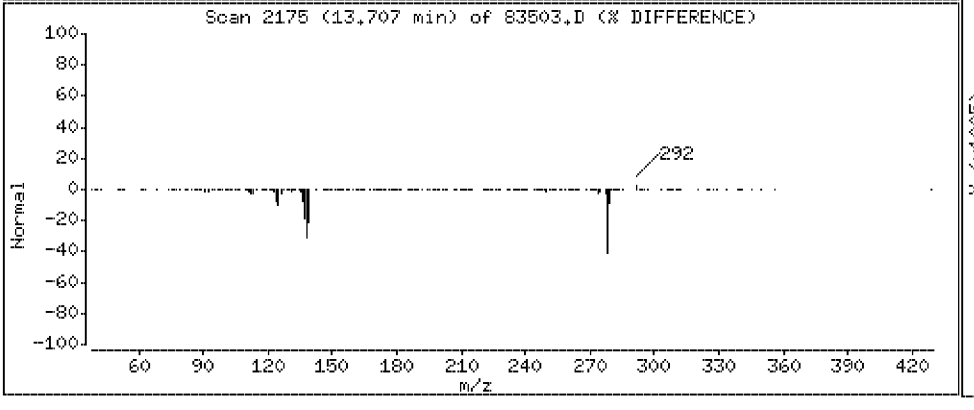
133 Indeno[1,2,3-cd]pyrene

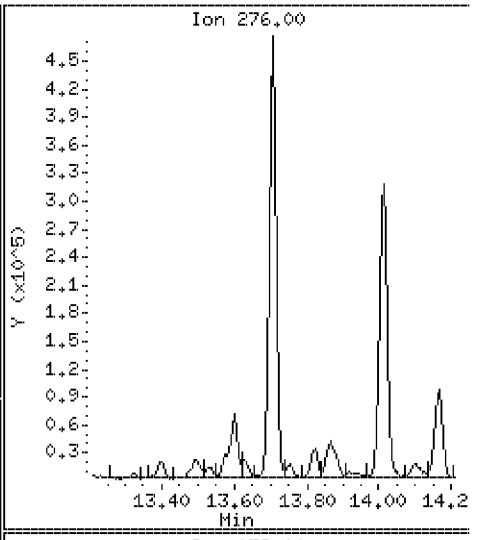
Concentration: 1310 ug/kg

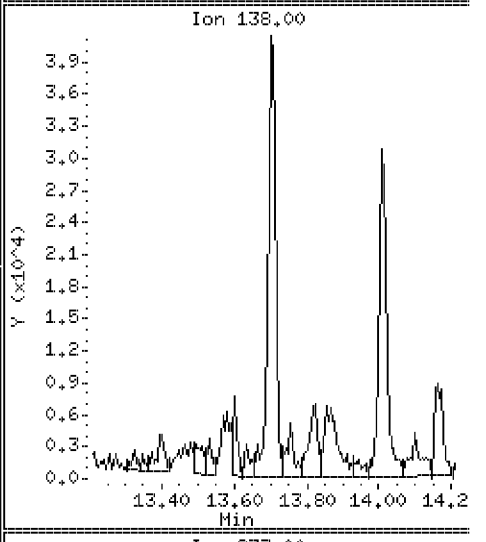


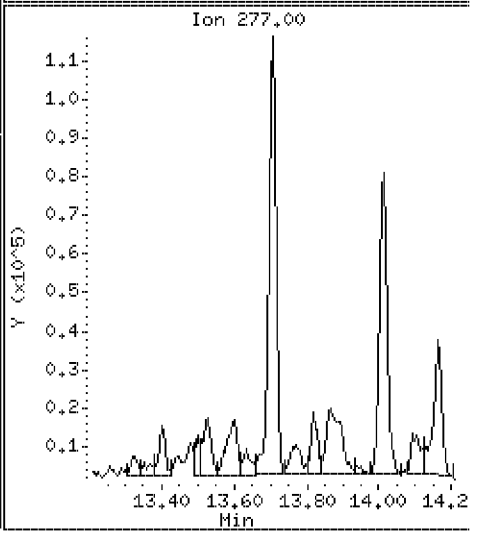












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

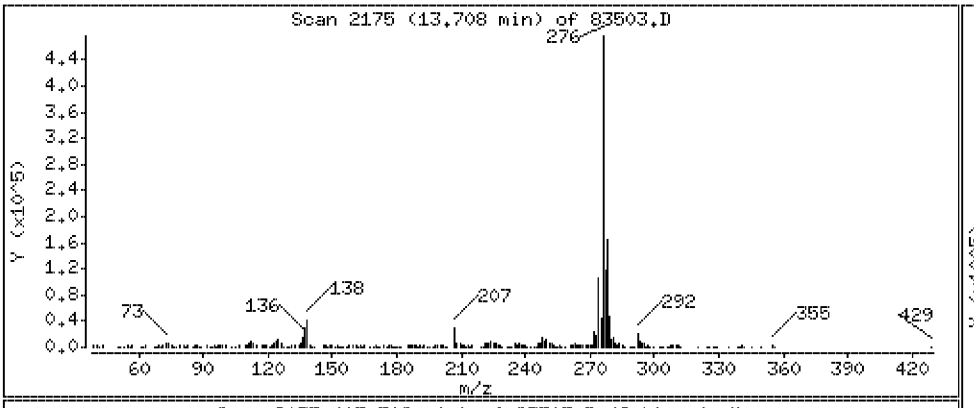
Operator: PEL

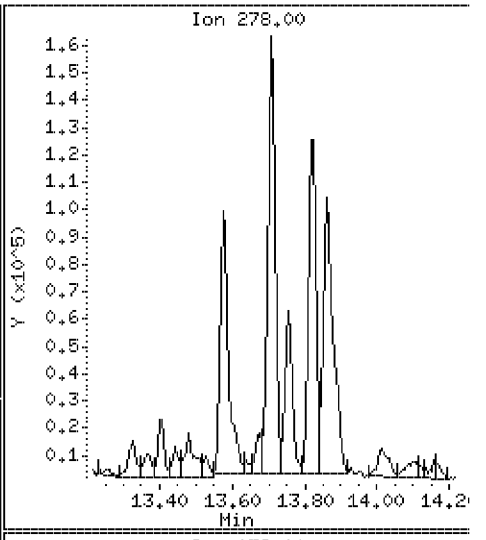
Column phase: HPMS-5

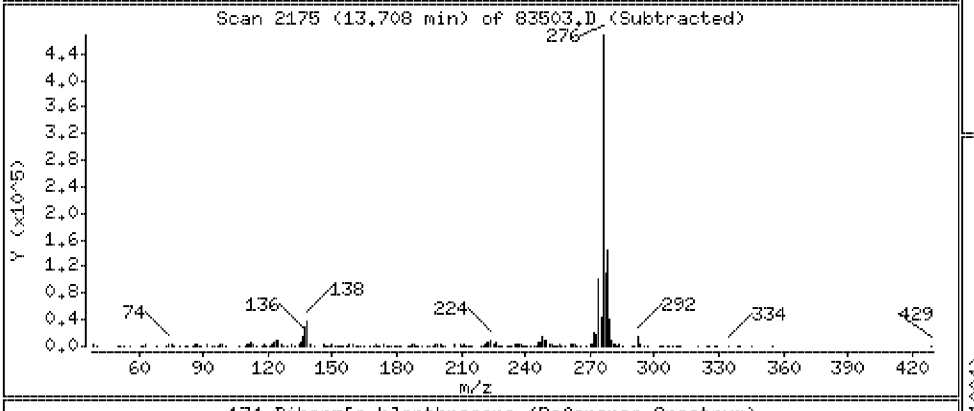
Column diameter: 0.25

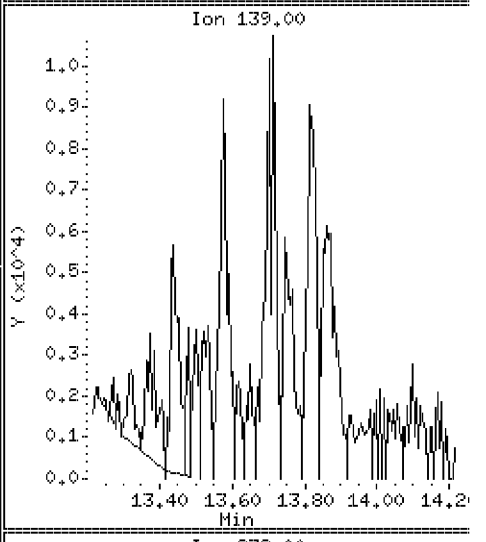
134 Dibenz[a,h]anthracene

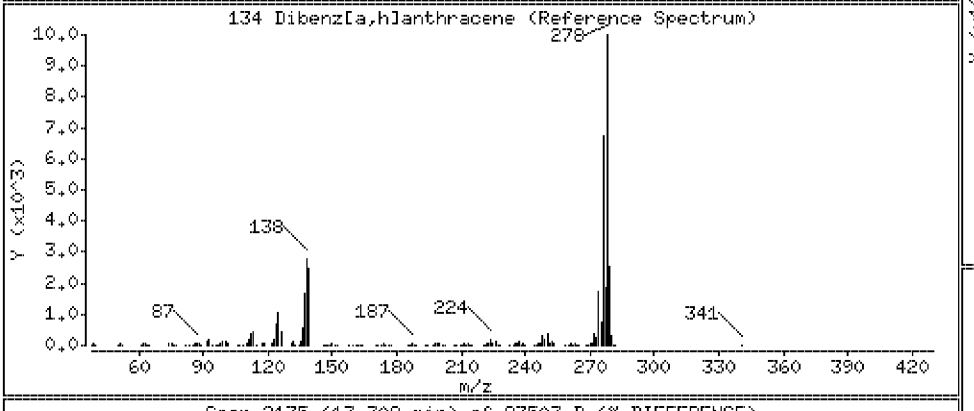
Concentration: 557 ug/kg

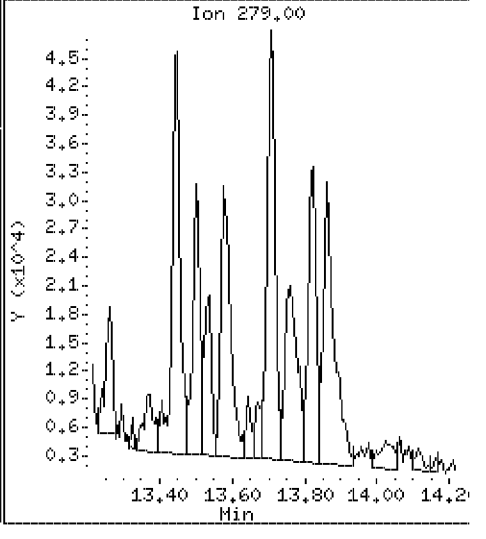


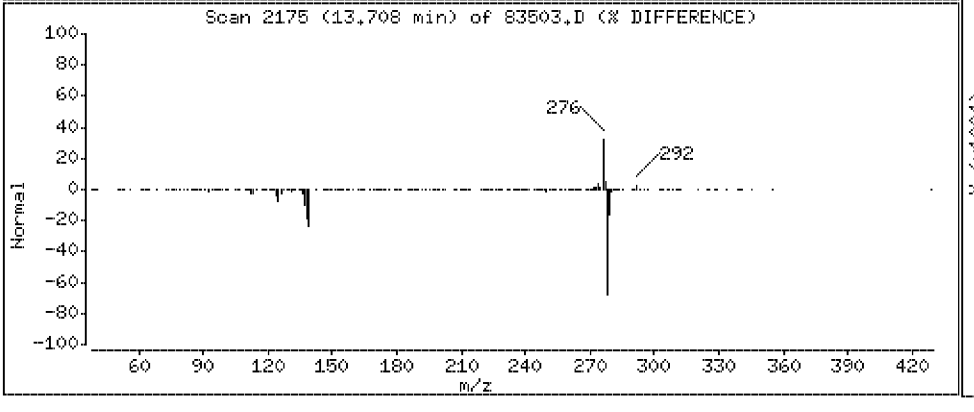












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83503.D

Date : 26-APR-2012 19:58

Client ID: EPAFMC-SD-03

Instrument: smsd03.i

Sample Info: sw350583503

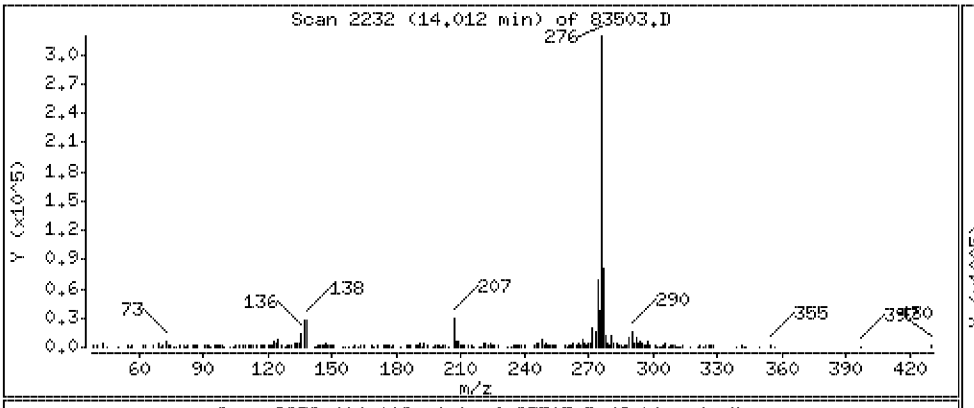
Operator: PEL

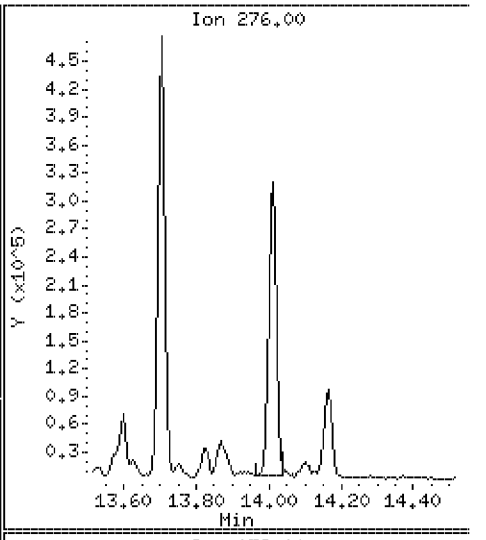
Column phase: HPMS-5

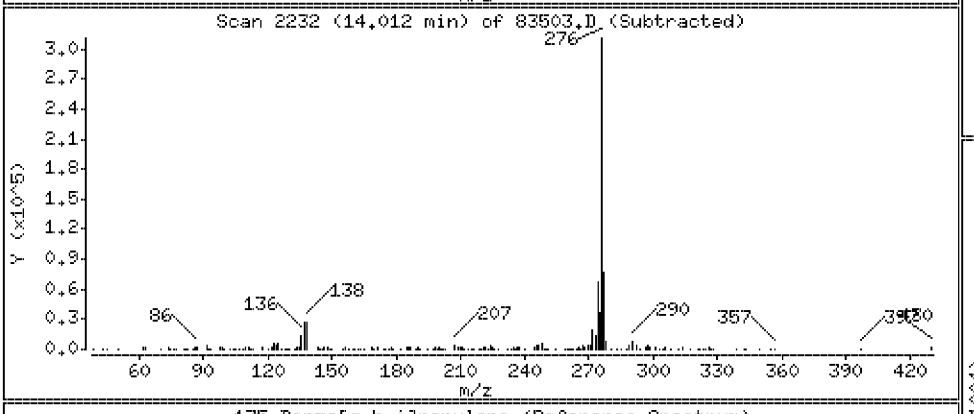
Column diameter: 0.25

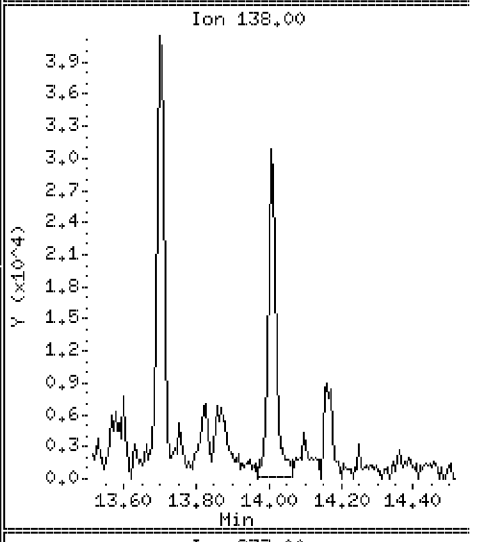
135 Benzo[g,h,i]perylene

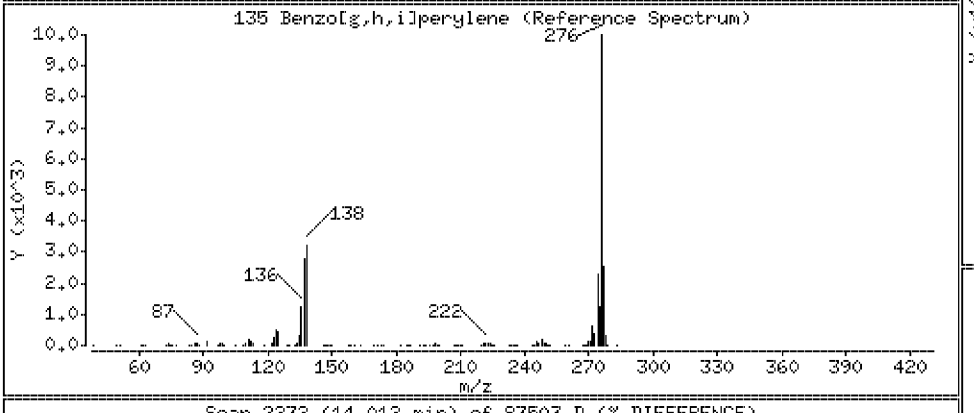
Concentration: 1300 ug/kg

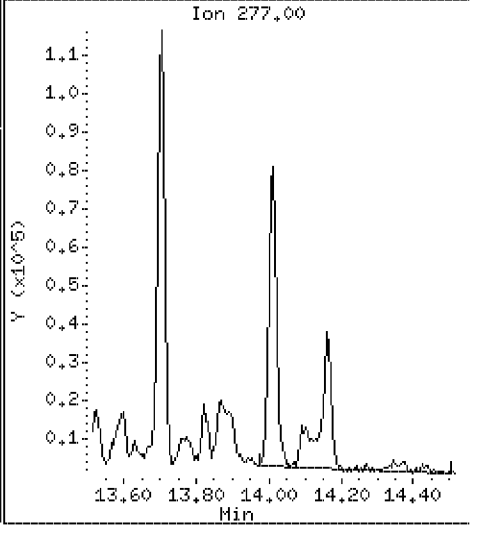


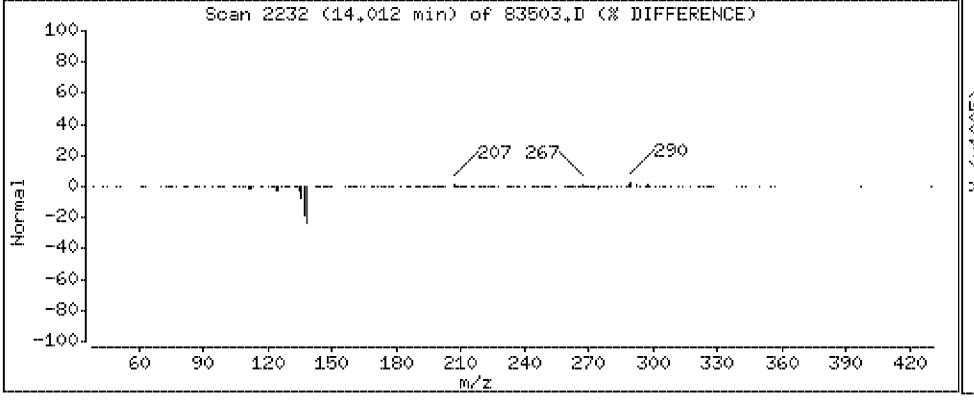












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 26-APR-2012 20:21 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583502
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 24
Dil Factor: 5.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	5.000	Dilution Factor
Ws	25.300	Weight of sample extracted (g)
M	19.300	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.424	4.423	(1.000)	152	283261	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	176320			33.39- 93.39	62.25
4.424	4.423	(1.000)	150	434430			121.52- 181.52	153.37
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.584	5.583	(1.000)	136	948296	40.0000		80.00- 120.00	100.00
5.583	5.583	(1.000)	68	51240			0.00- 35.32	5.40
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.279	7.278	(1.000)	164	649669	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	626703			66.43- 126.43	96.46
7.279	7.278	(1.000)	160	286080			14.76- 74.76	44.03
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.737	8.734	(1.000)	188	1269984	40.0000		80.00- 120.00	100.00
8.736	8.734	(1.000)	94	76722			0.00- 36.17	6.04
8.736	8.734	(1.000)	80	97907			0.00- 38.16	7.71
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.338	11.327	(1.000)	240	2100265	40.0000		80.00- 120.00	100.00

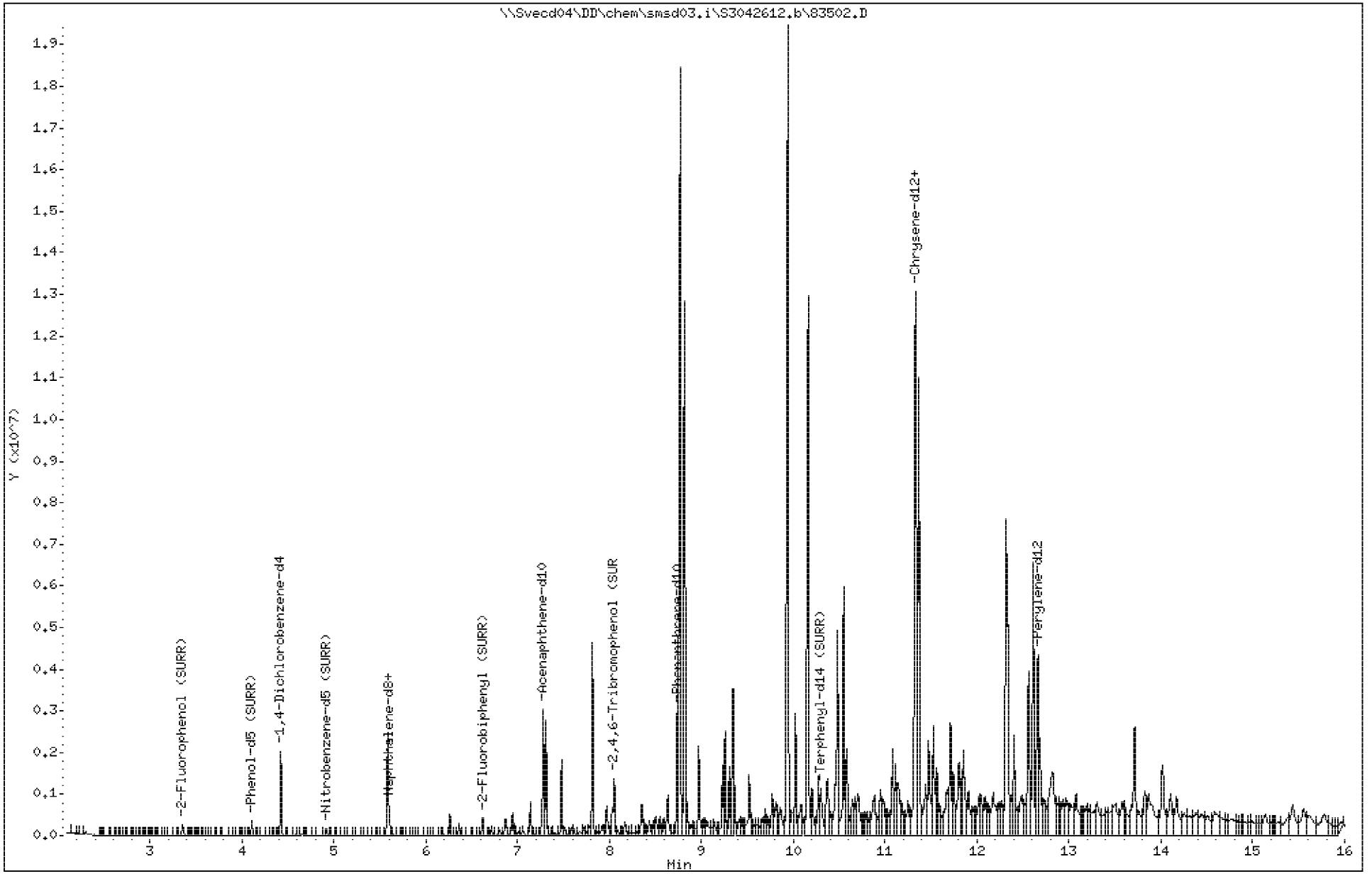
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.336	11.327	(1.000)	120	129501			0.00- 35.19	6.17
11.337	11.327	(1.000)	236	560310			0.00- 56.66	26.68
* 130 Perylene-d12						CAS #: 1520-96-3		
12.658	12.650	(1.000)	264	1572244	40.0000		80.00- 120.00	100.00
12.658	12.650	(1.000)	260	351290			0.00- 54.55	22.34
12.658	12.650	(1.000)	265	395497			0.00- 53.02	25.15

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D
Date : 26-APR-2012 20:21
Client ID: EPAFMC-SD-02
Sample Info: sw350583502

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2709

3505835



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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

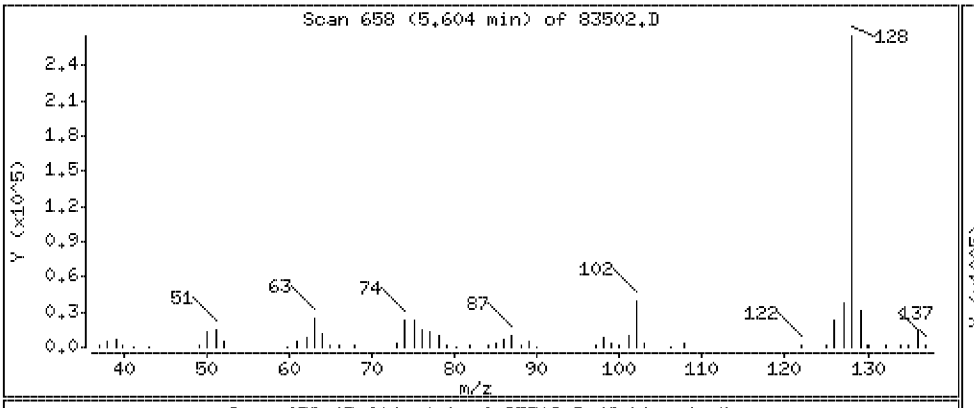
Operator: PEL

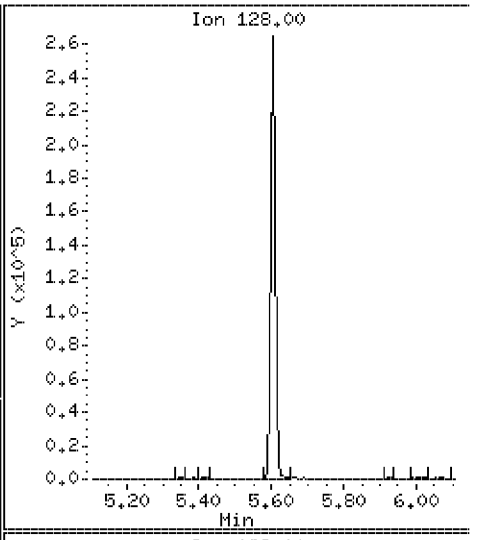
Column phase: HPMS-5

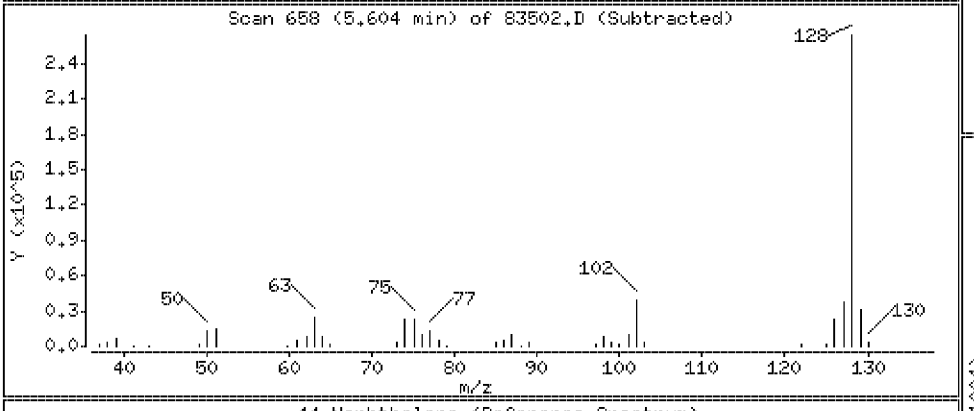
Column diameter: 0.25

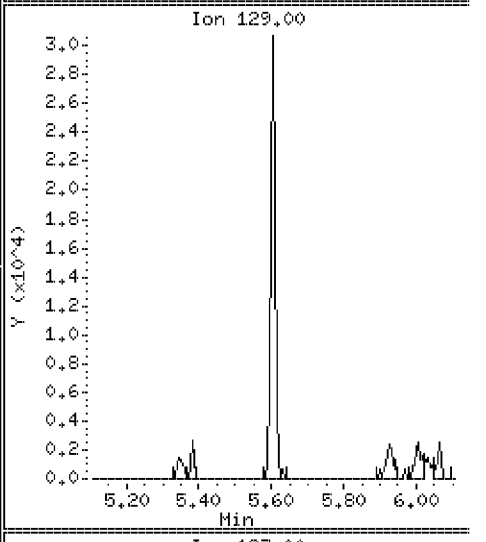
44 Naphthalene

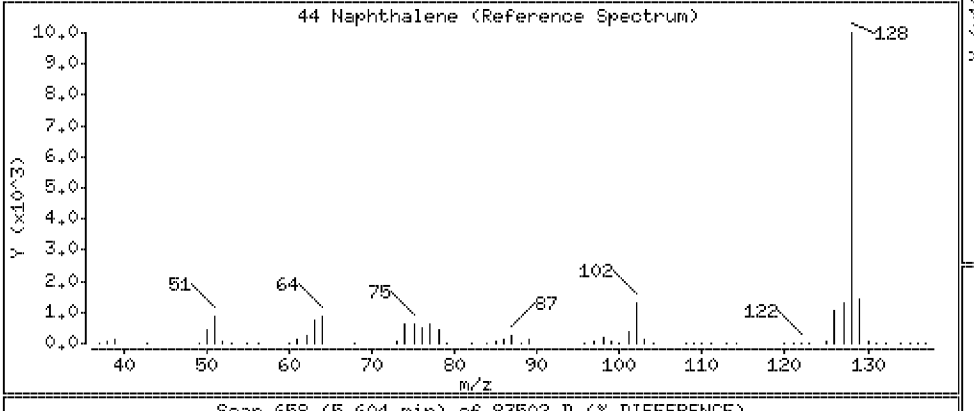
Concentration: 2350 ug/kg

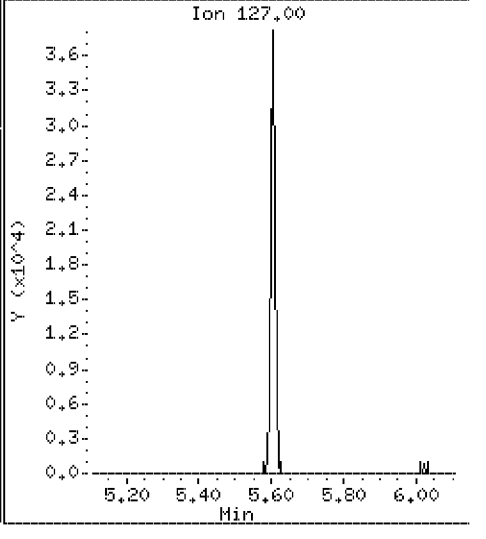


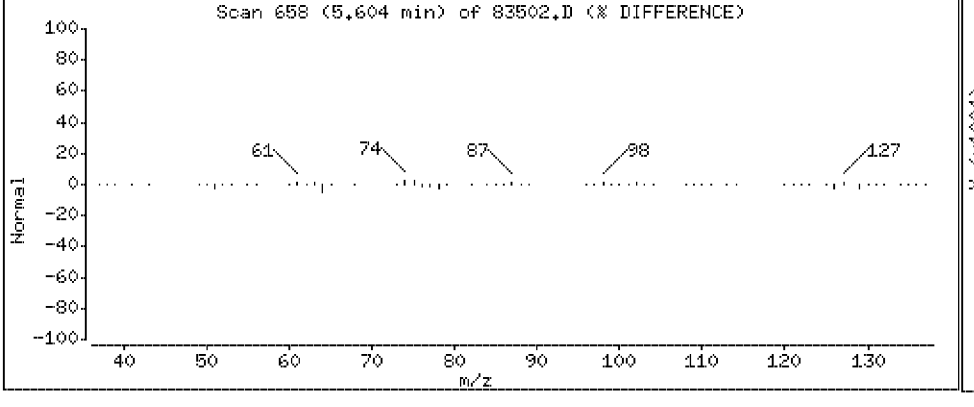












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

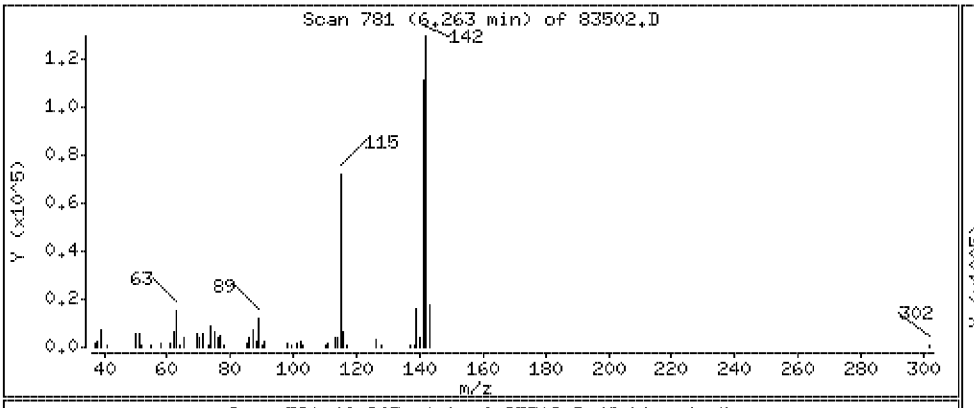
Operator: PEL

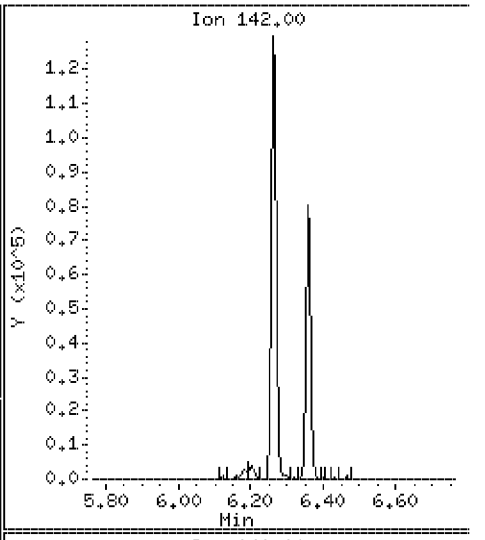
Column phase: HPMS-5

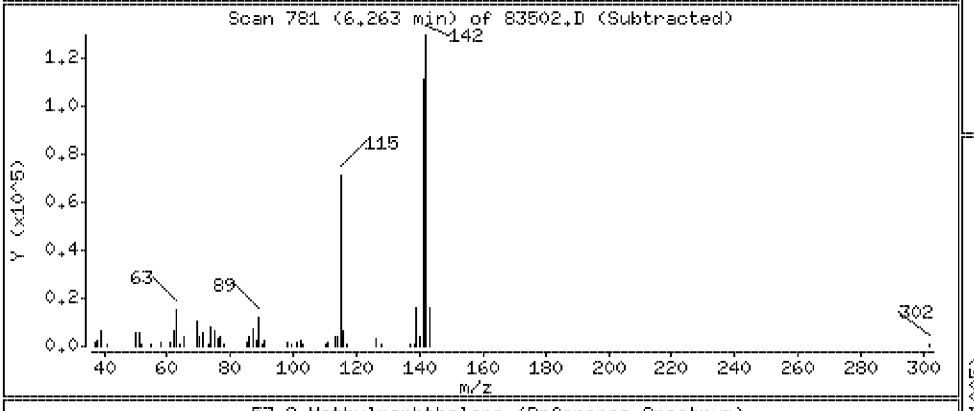
Column diameter: 0.25

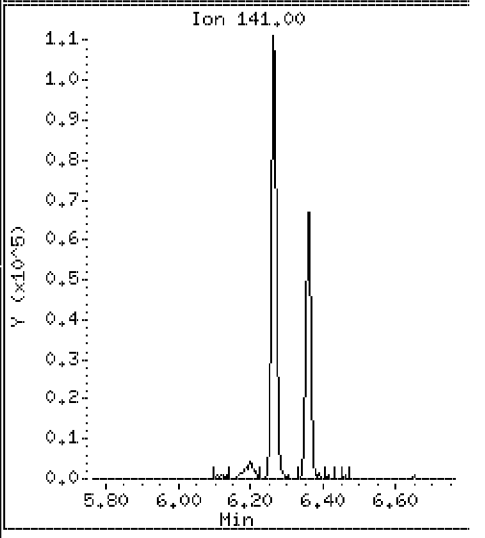
53 2-Methylnaphthalene

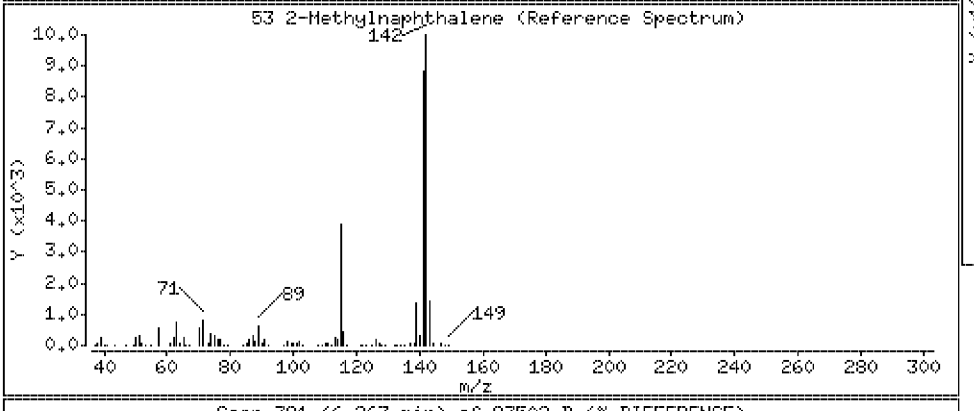
Concentration: 1720 ug/kg

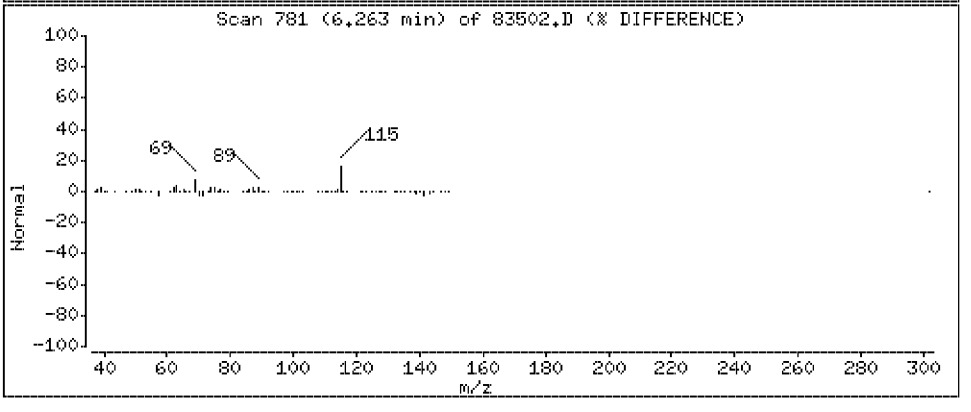












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

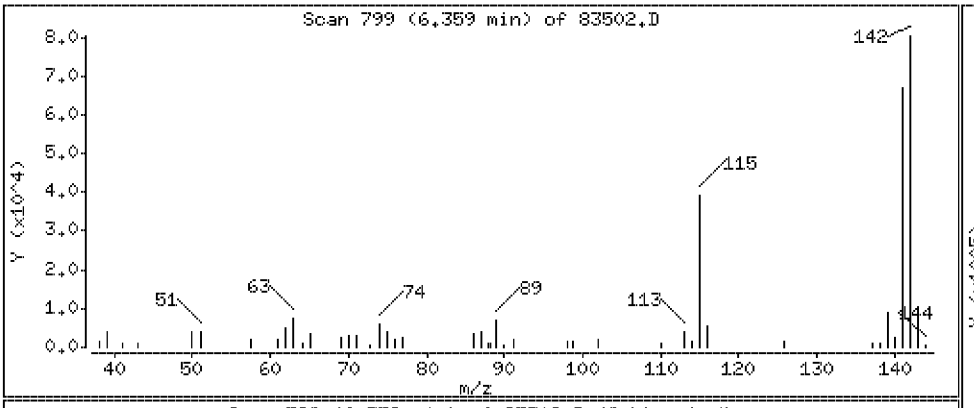
Operator: PEL

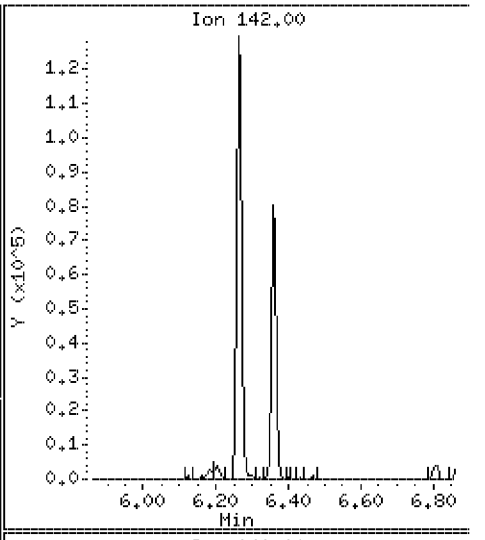
Column phase: HPMS-5

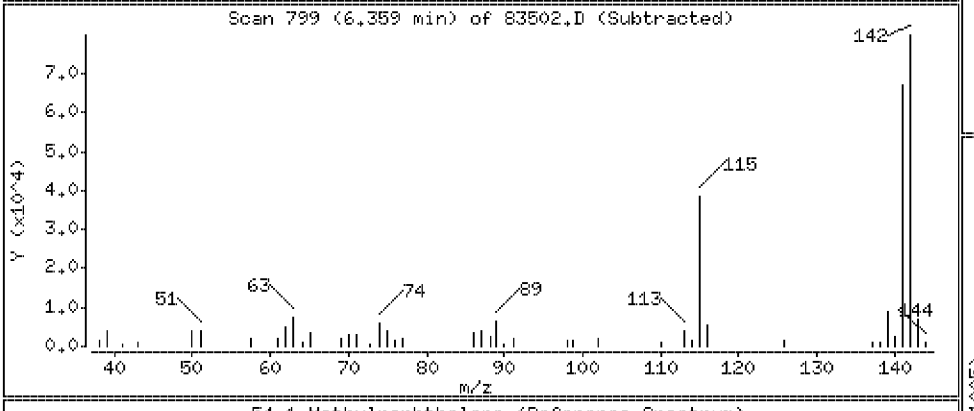
Column diameter: 0.25

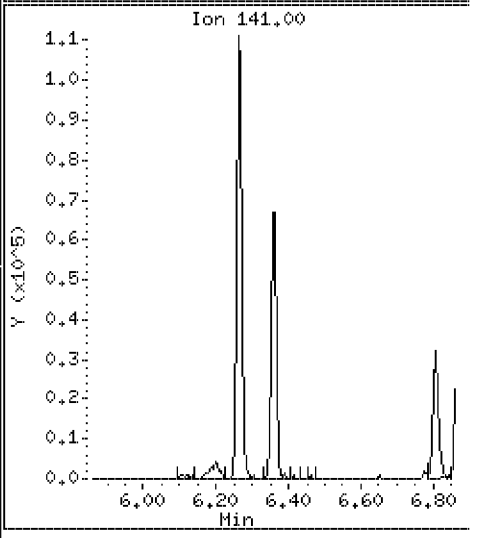
54 1-Methylnaphthalene

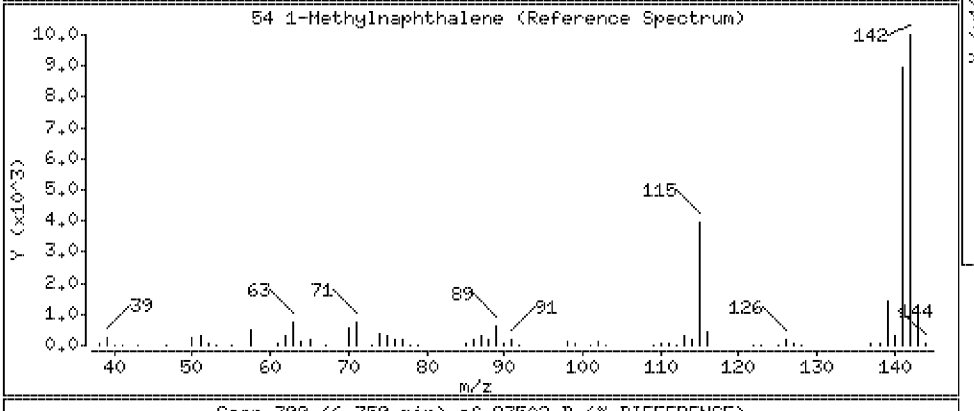
Concentration: 1100 ug/kg

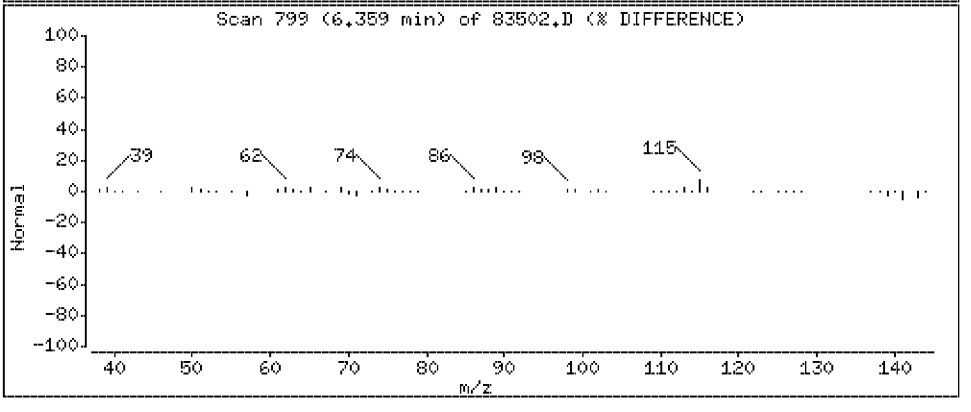












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

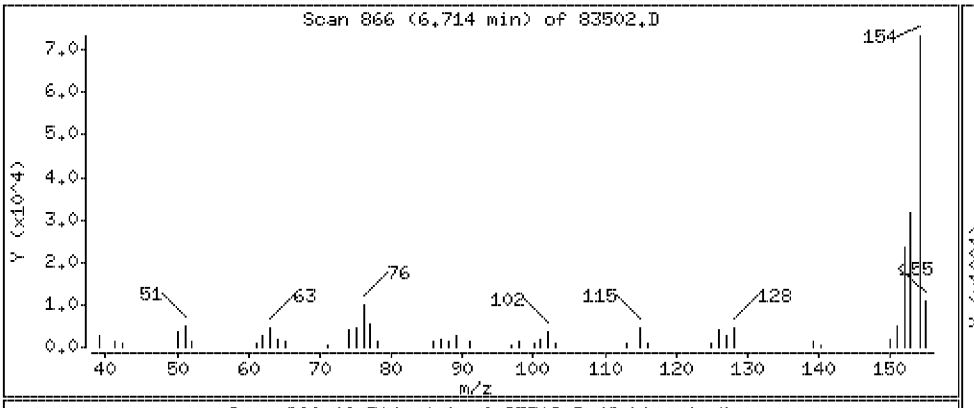
Operator: PEL

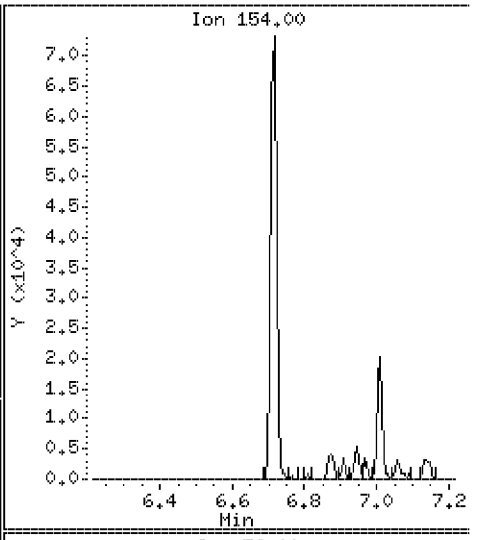
Column phase: HPMS-5

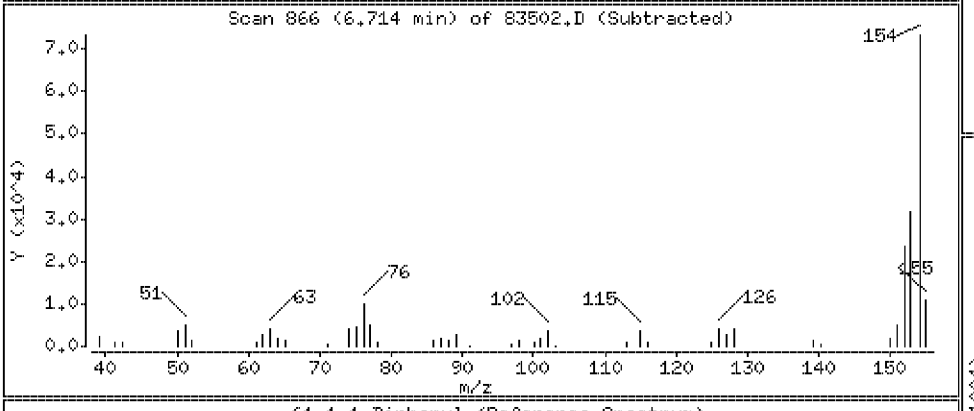
Column diameter: 0.25

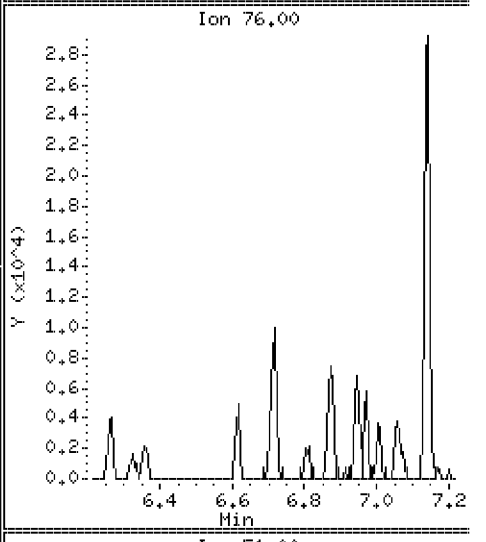
61 1,1-Biphenyl

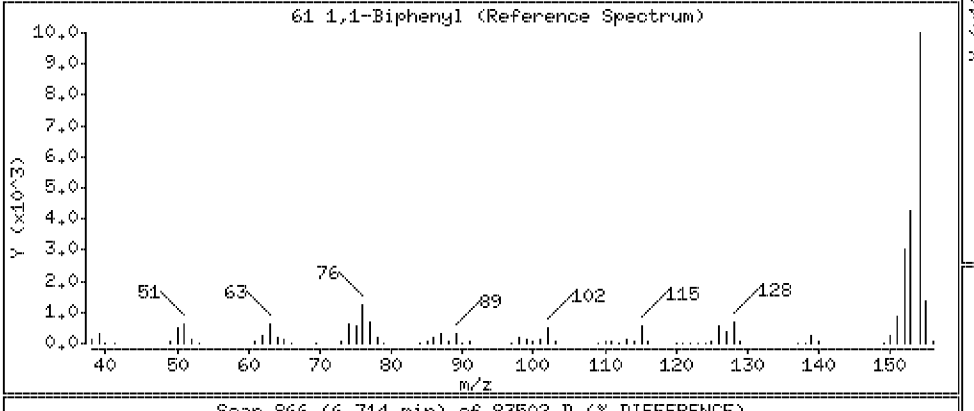
Concentration: 645 ug/kg

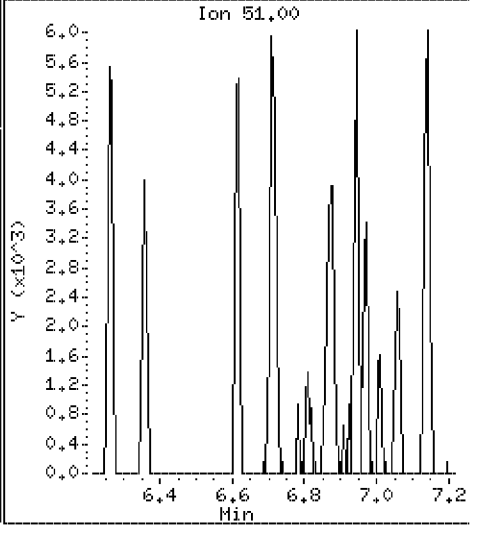


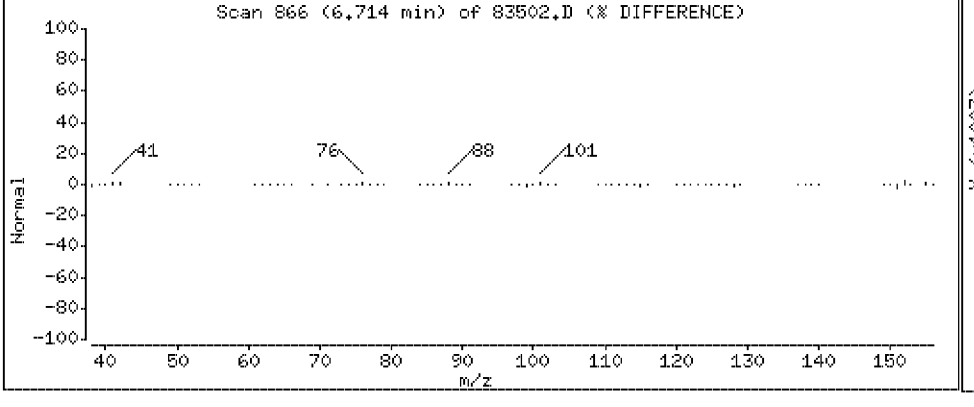












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

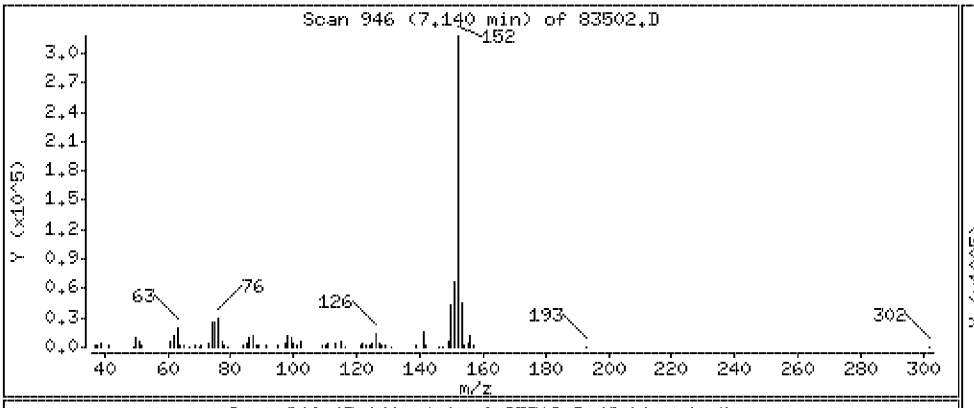
Operator: PEL

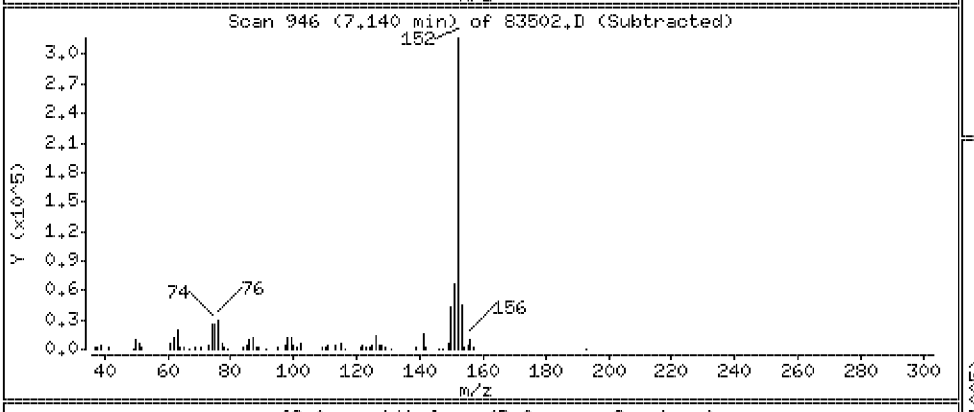
Column phase: HPMS-5

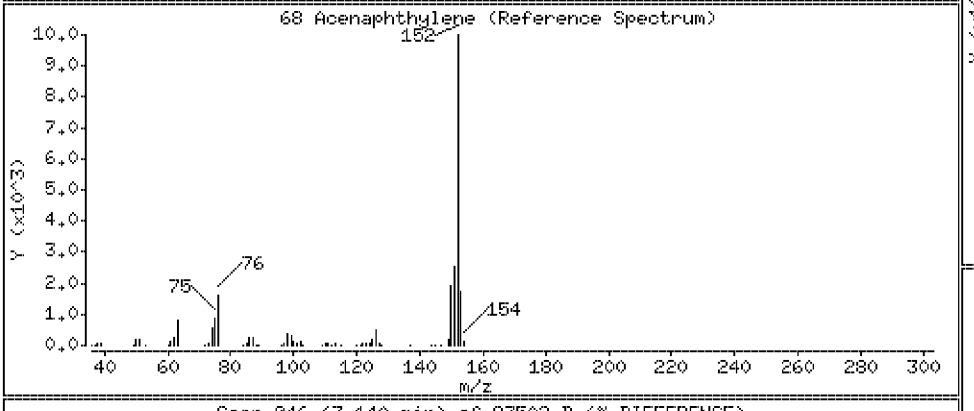
Column diameter: 0.25

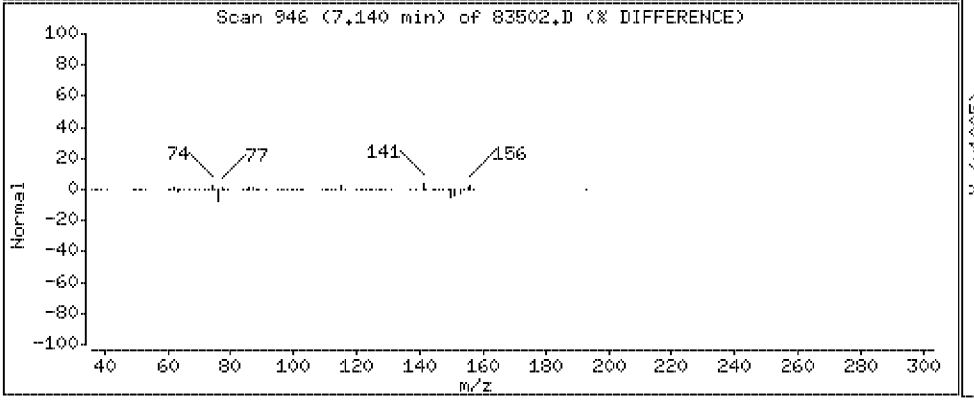
68 Acenaphthylene

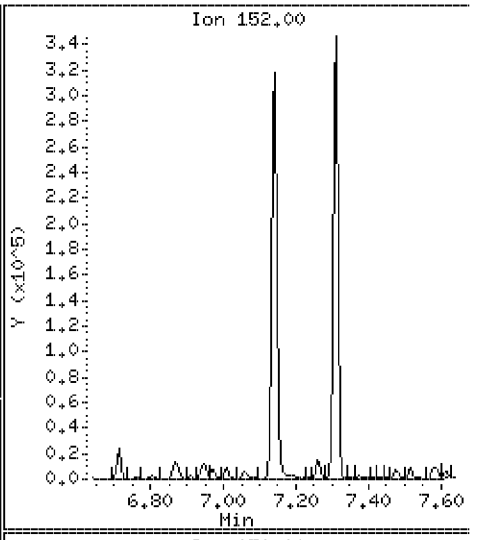
Concentration: 2810 ug/kg

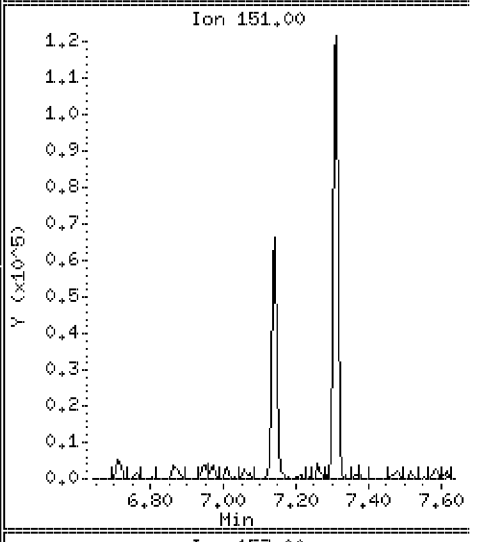


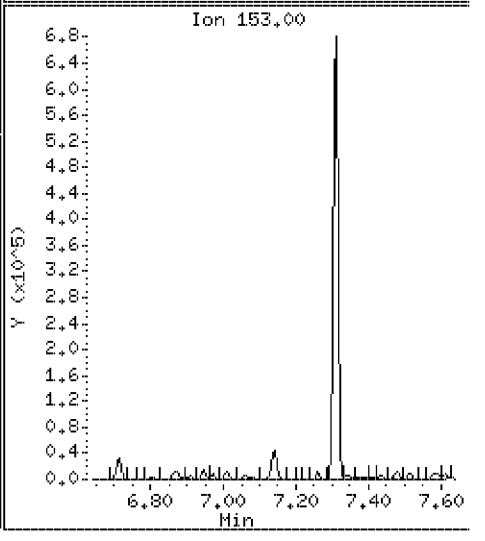












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

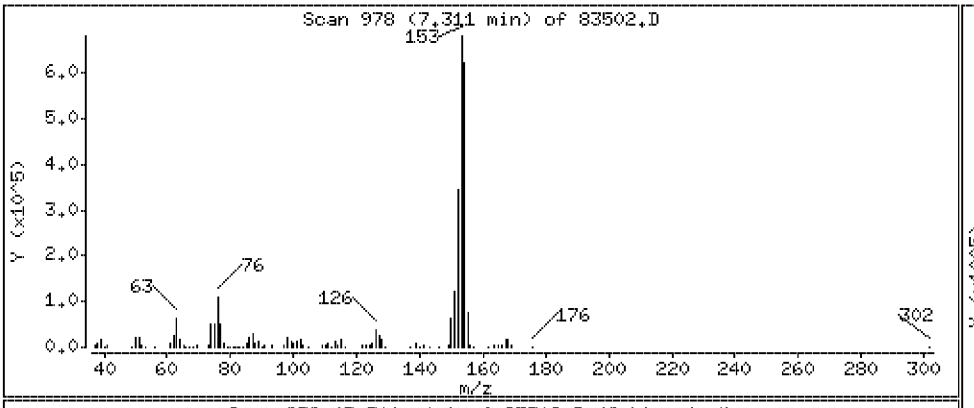
Operator: PEL

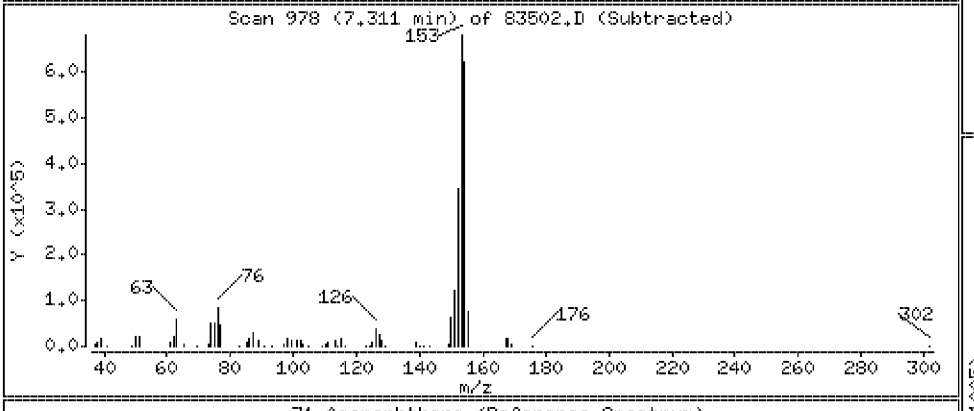
Column phase: HPMS-5

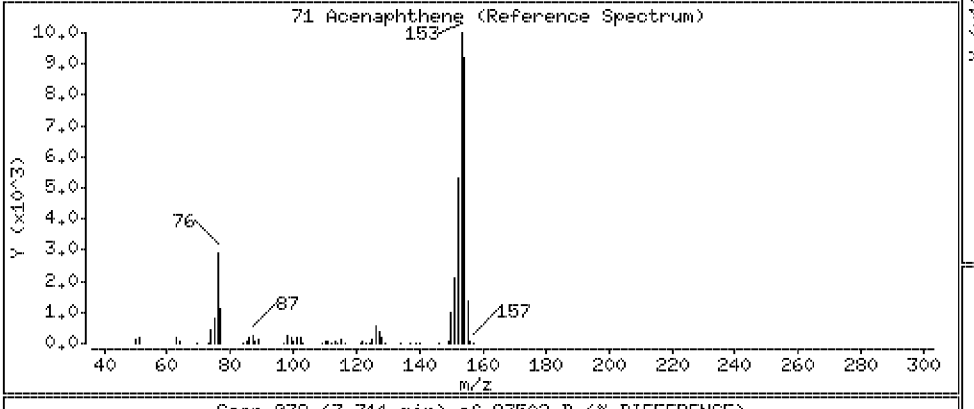
Column diameter: 0.25

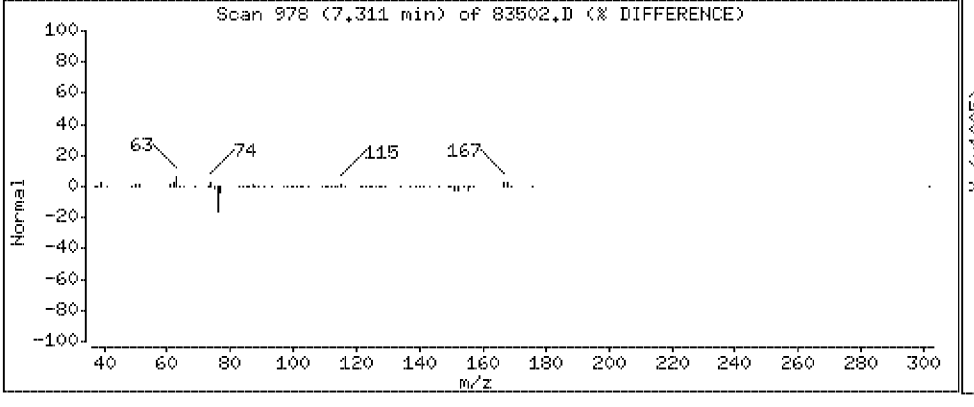
71 Acenaphthene

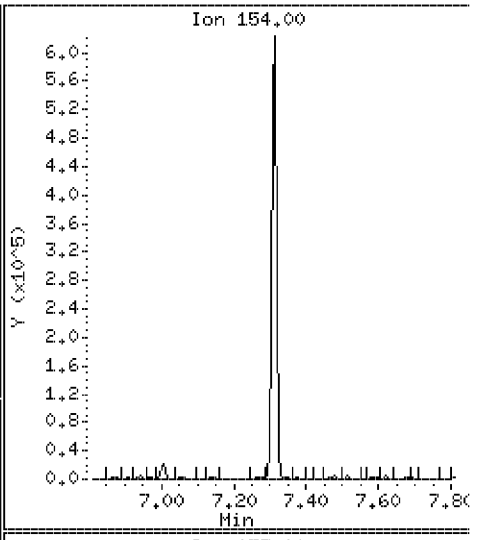
Concentration: 8020 ug/kg

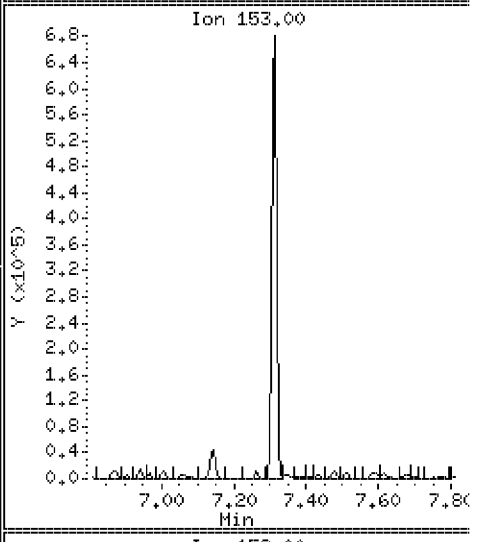


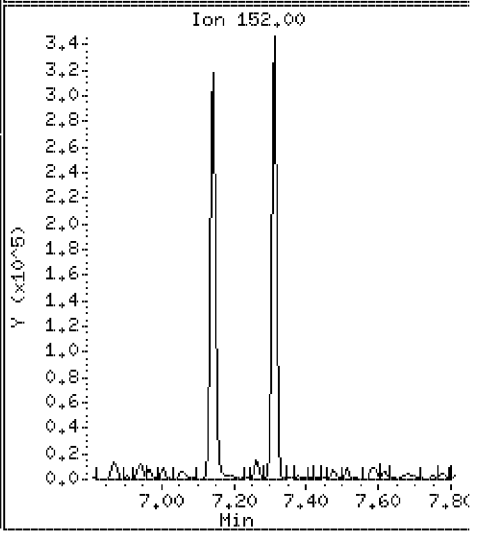












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

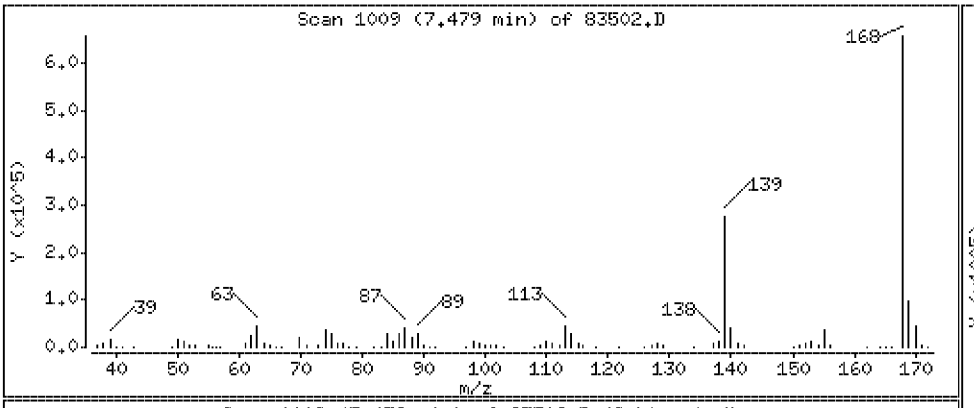
Operator: PEL

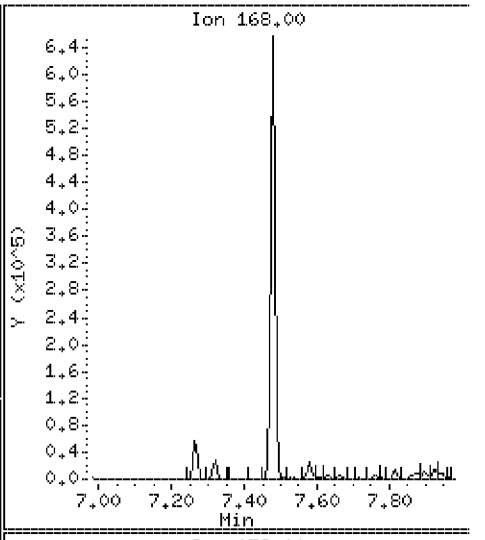
Column phase: HPMS-5

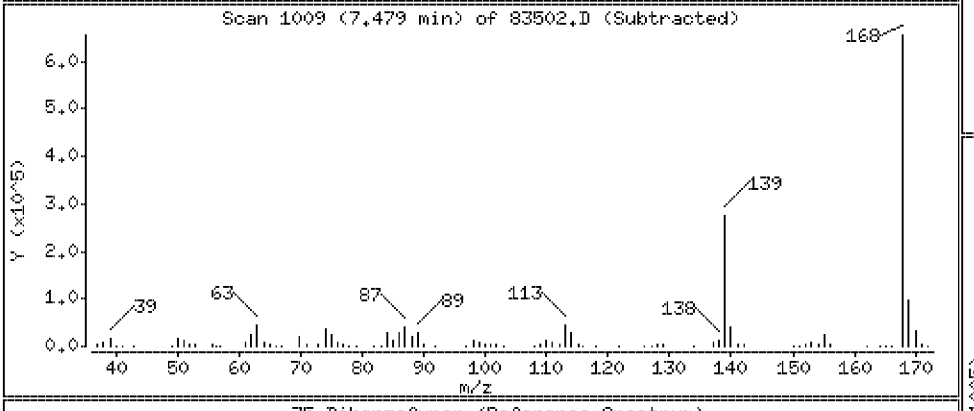
Column diameter: 0.25

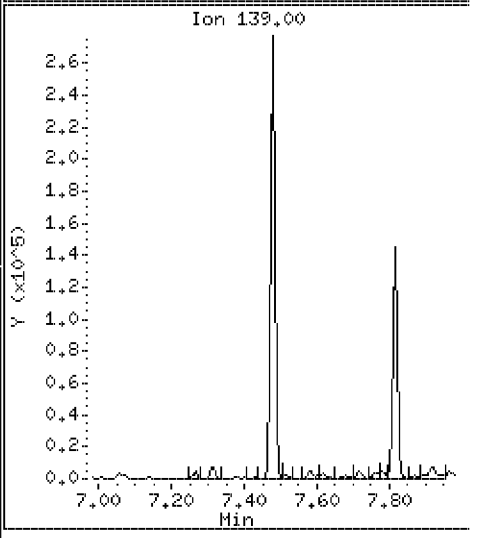
75 Dibenzofuran

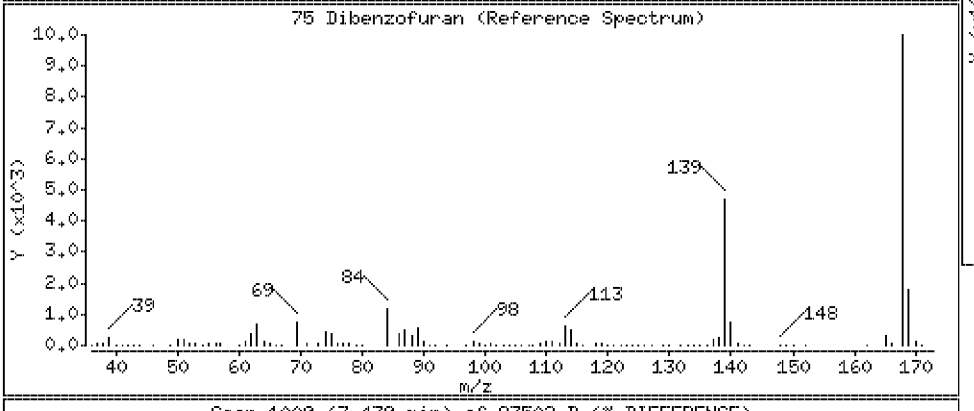
Concentration: 4920 ug/kg

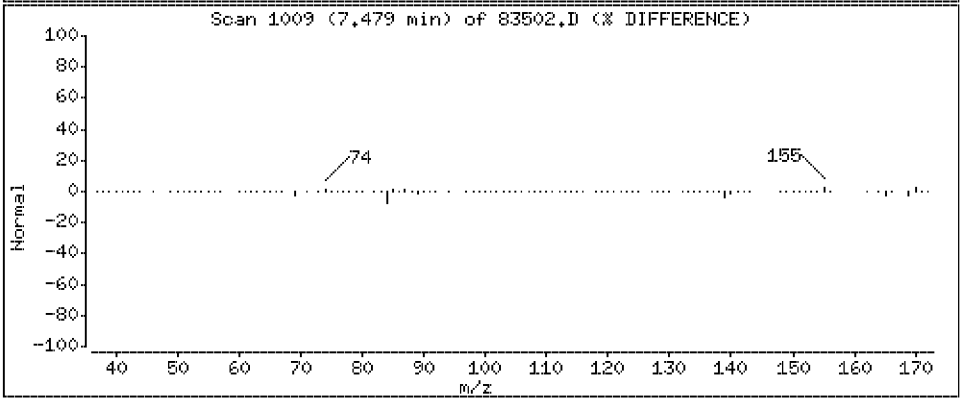












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

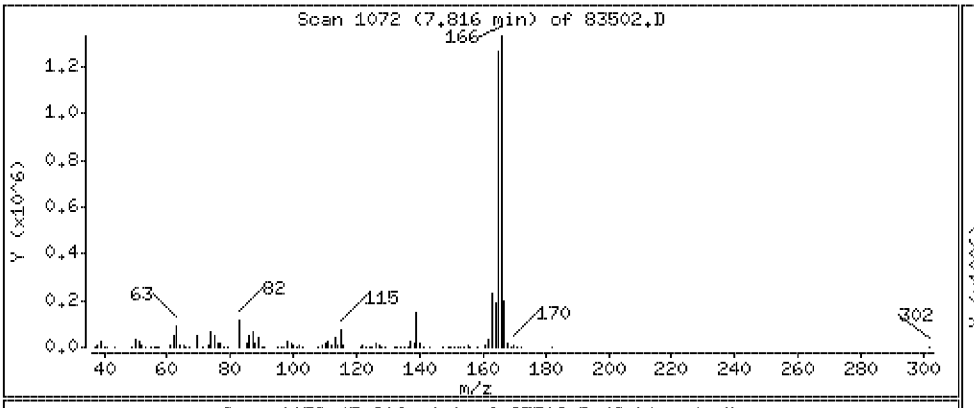
Operator: PEL

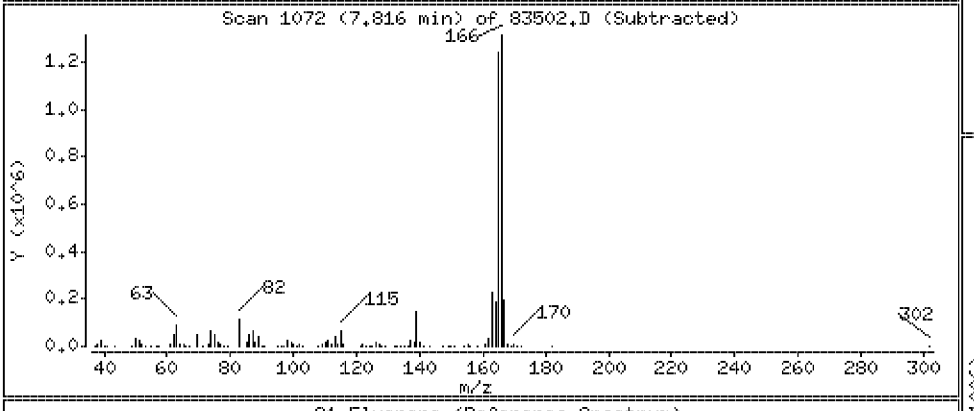
Column phase: HPMS-5

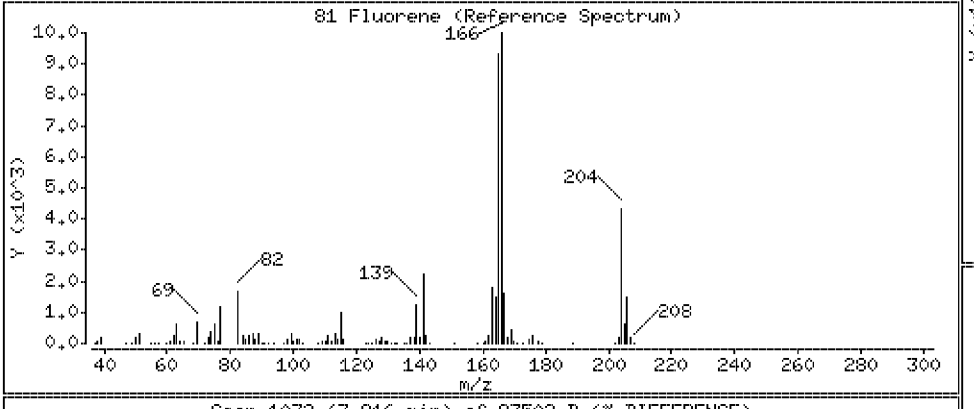
Column diameter: 0.25

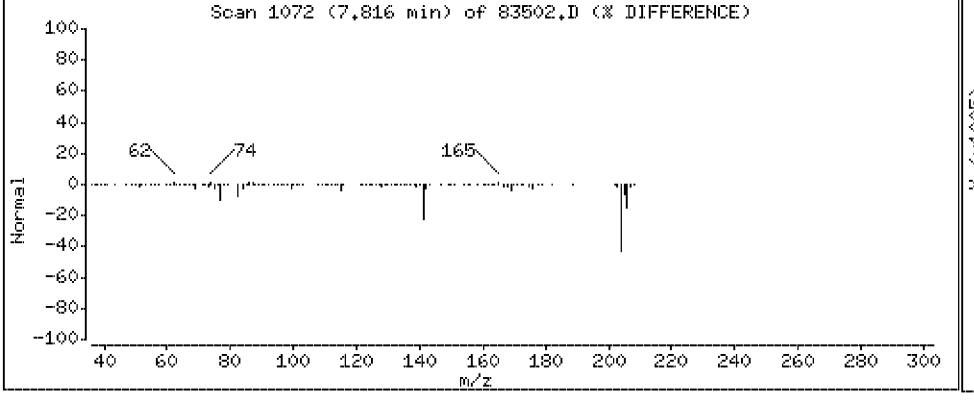
81 Fluorene

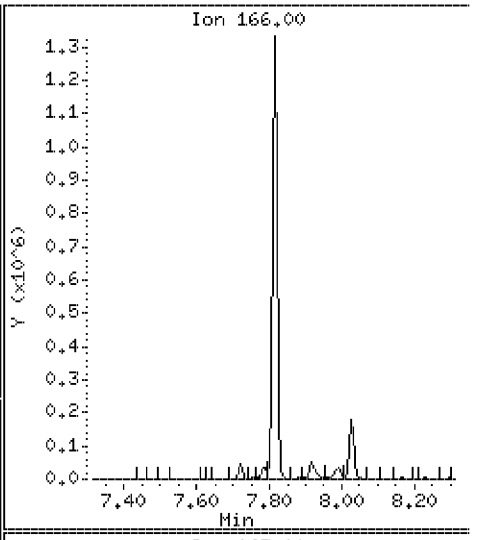
Concentration: 11800 ug/kg

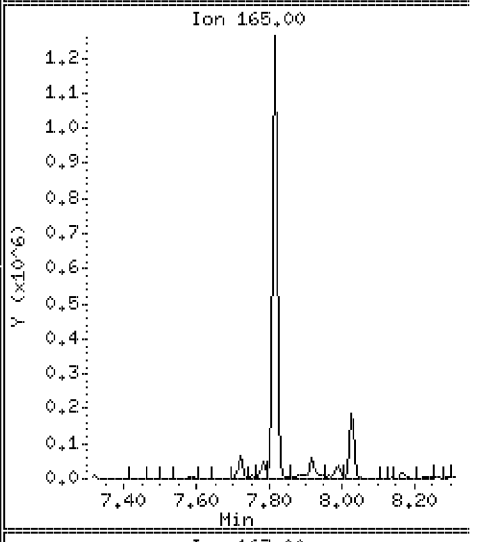


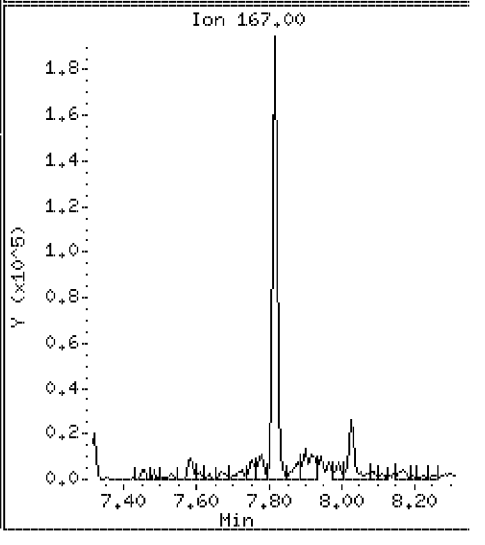












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

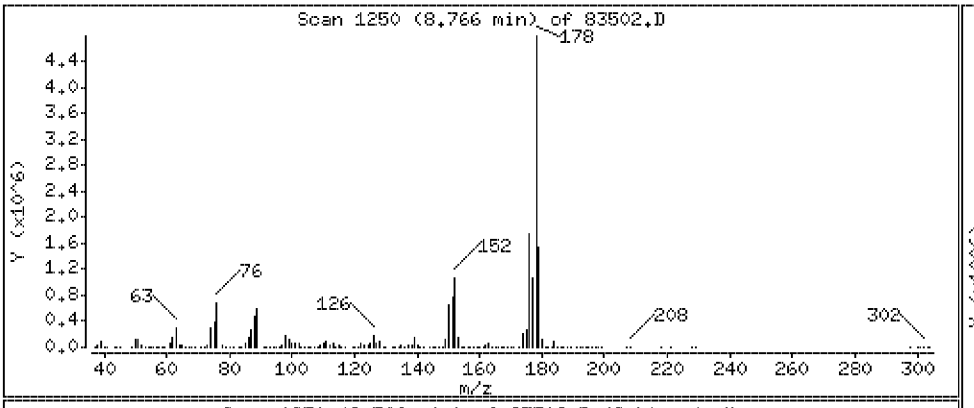
Operator: PEL

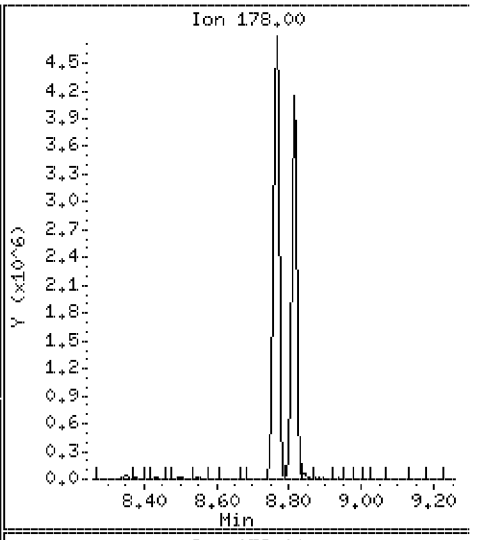
Column phase: HPMS-5

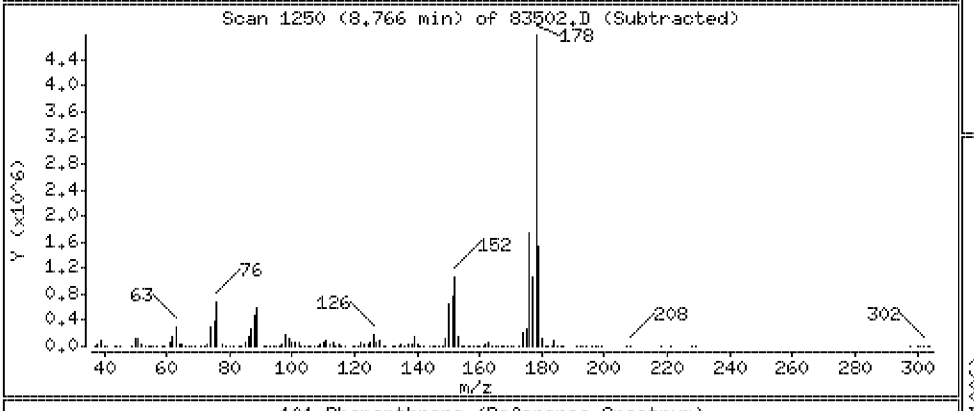
Column diameter: 0.25

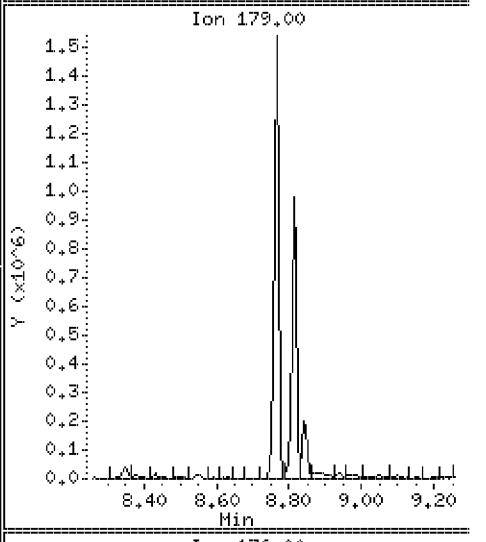
101 Phenanthrene

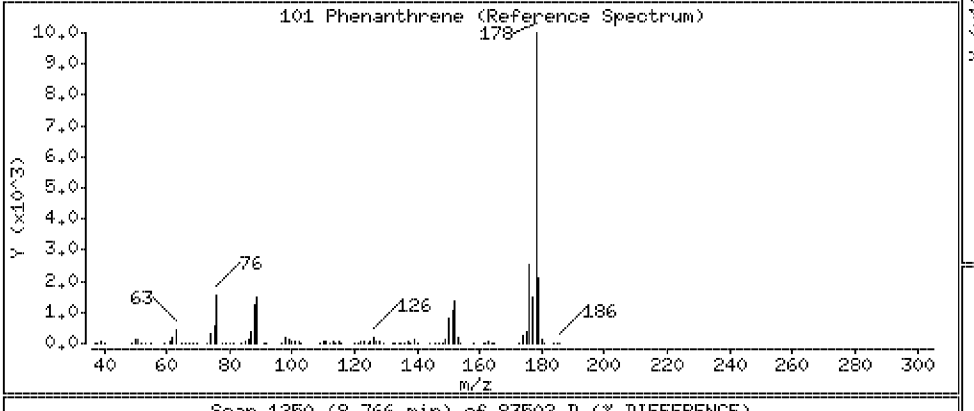
Concentration: 40900 ug/kg

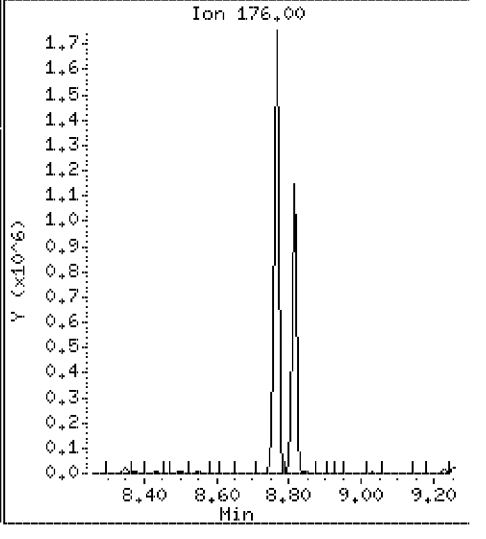


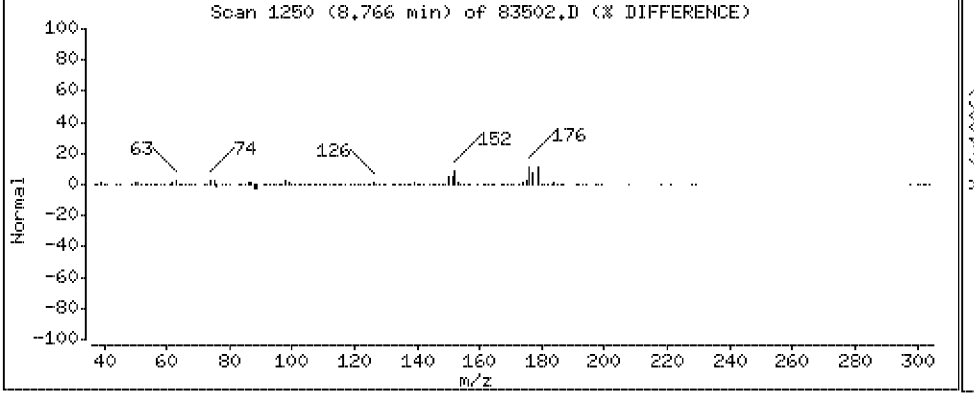












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

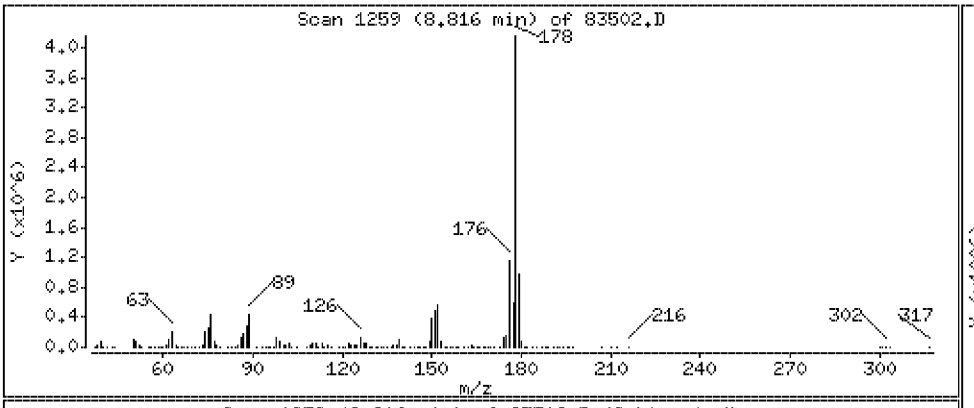
Operator: PEL

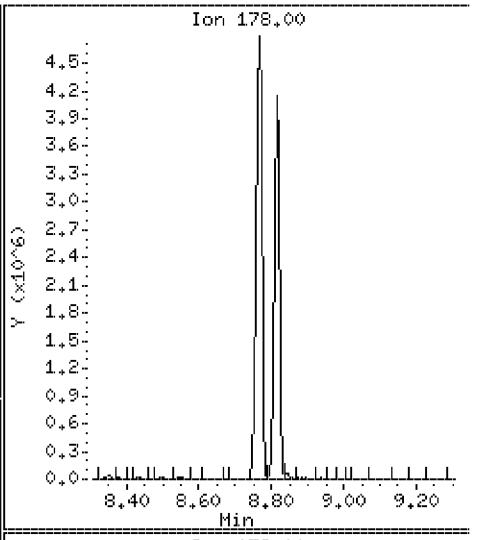
Column phase: HPMS-5

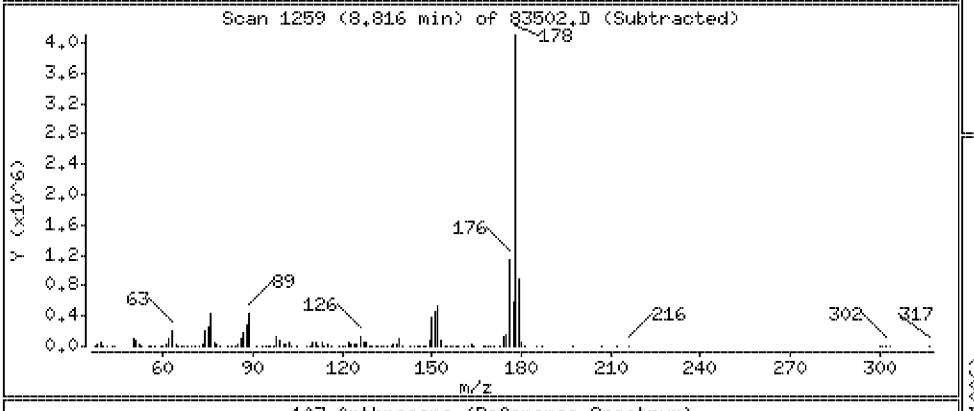
Column diameter: 0.25

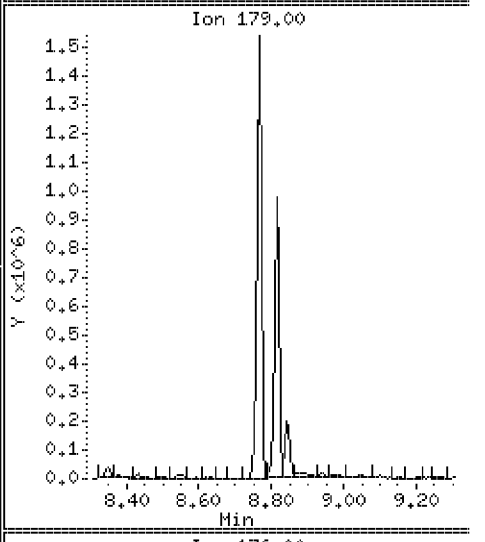
103 Anthracene

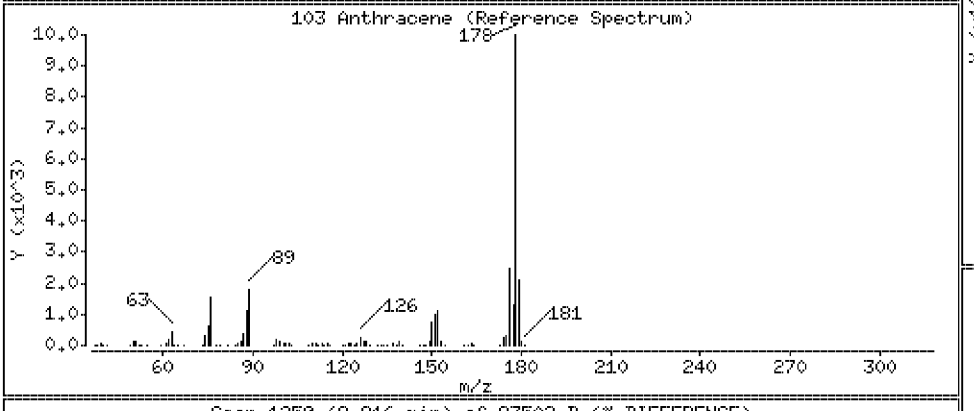
Concentration: 31100 ug/kg

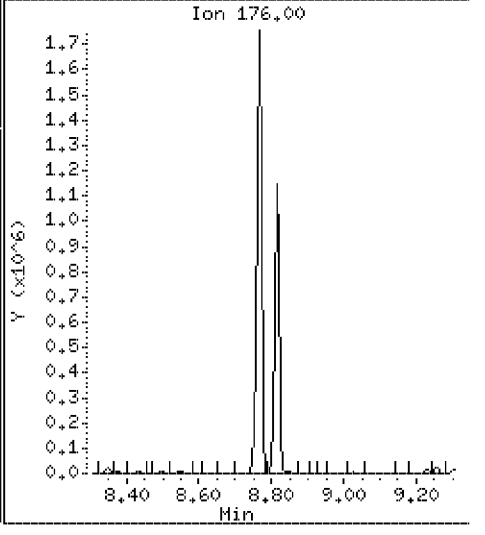


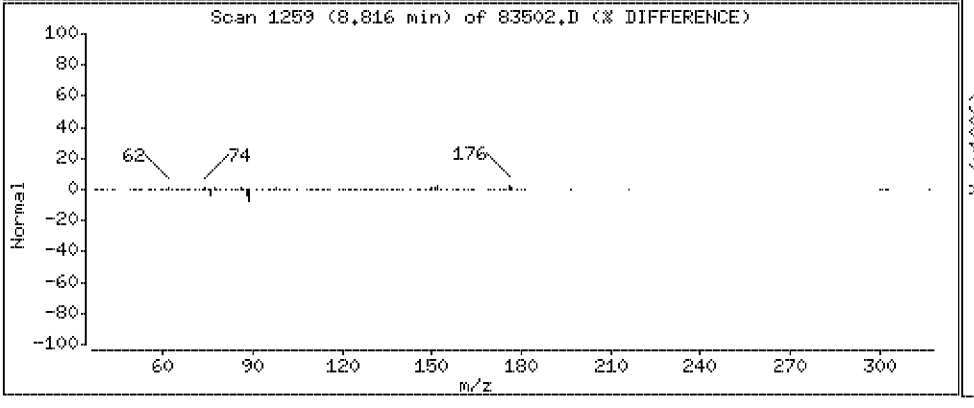












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

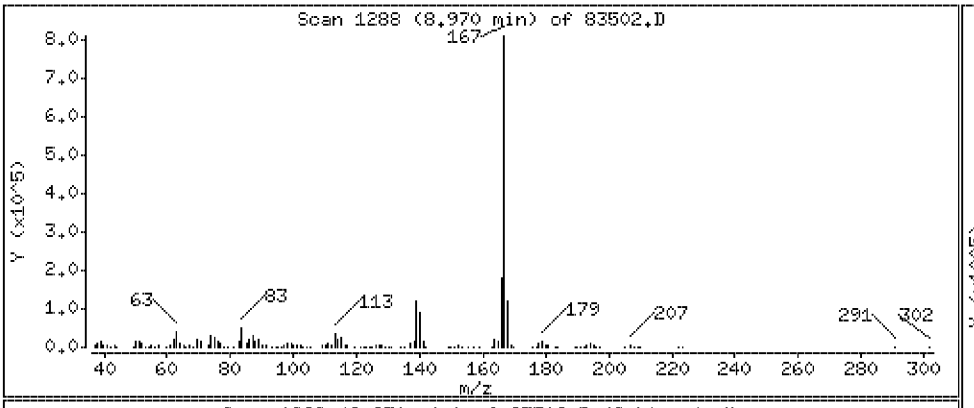
Operator: PEL

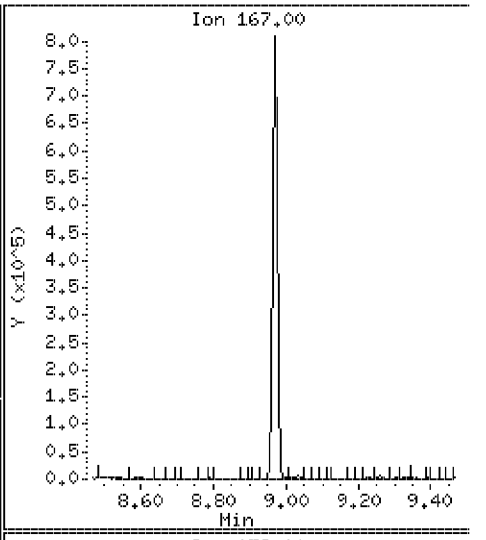
Column phase: HPMS-5

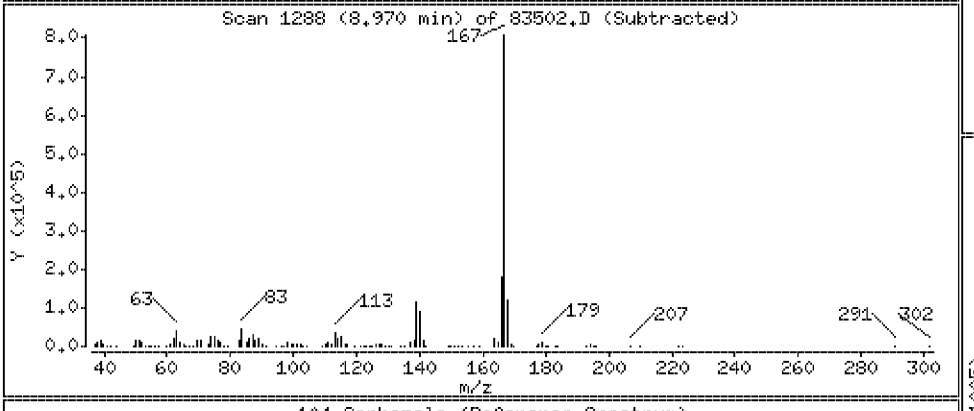
Column diameter: 0.25

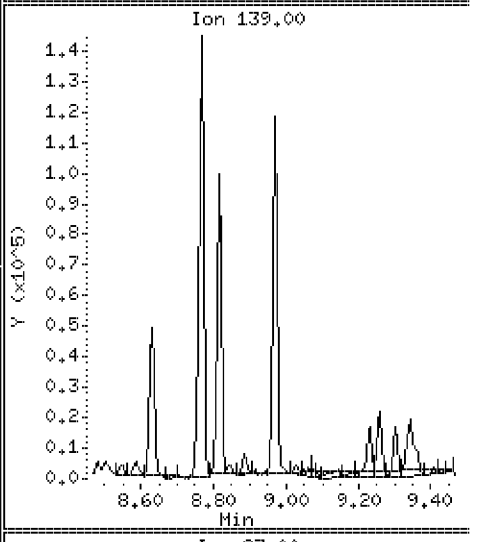
104 Carbazole

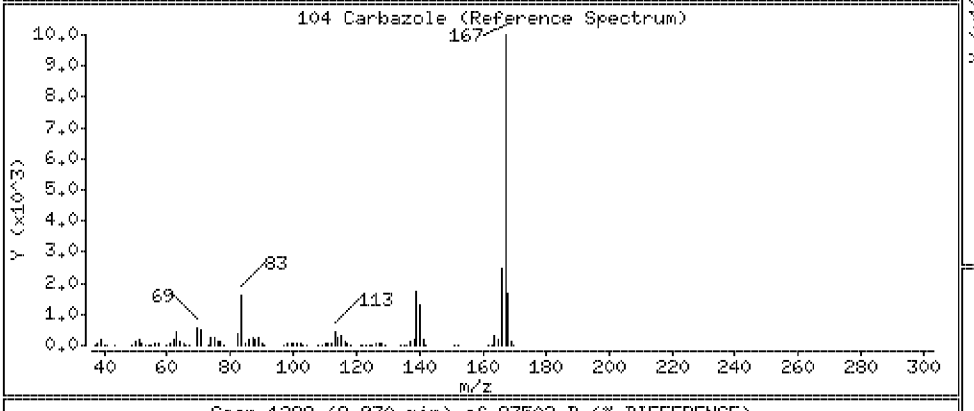
Concentration: 6390 ug/kg

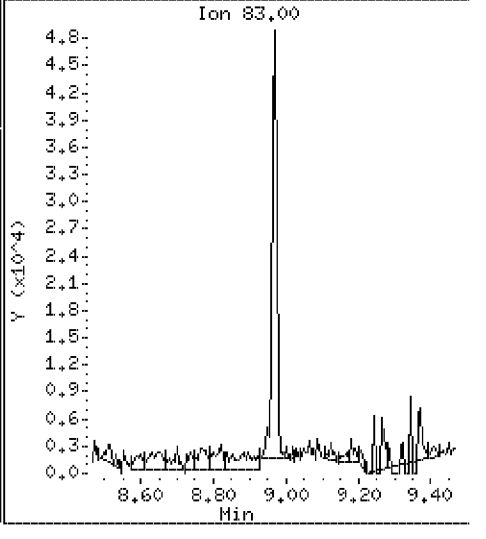


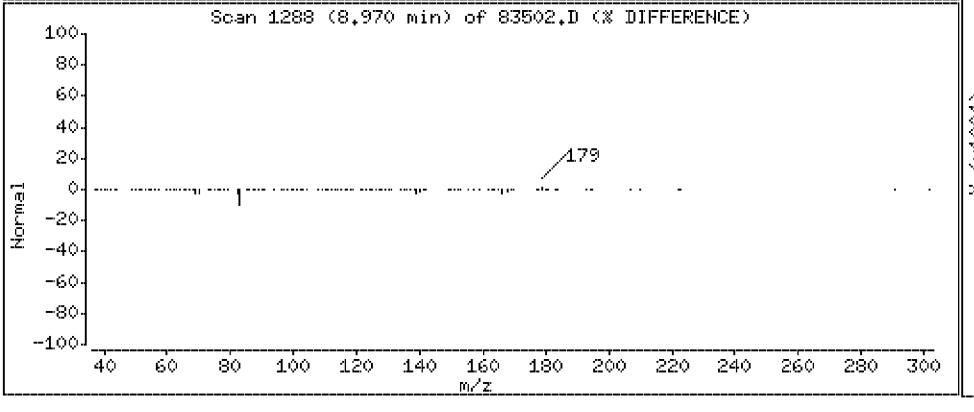












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

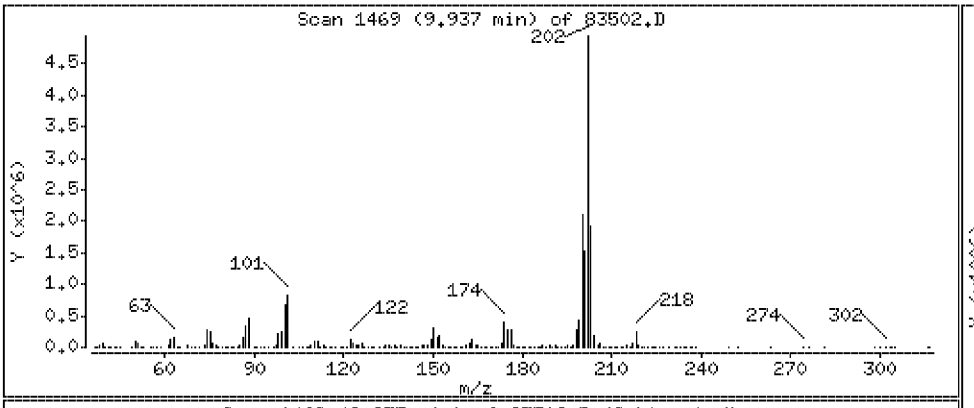
Operator: PEL

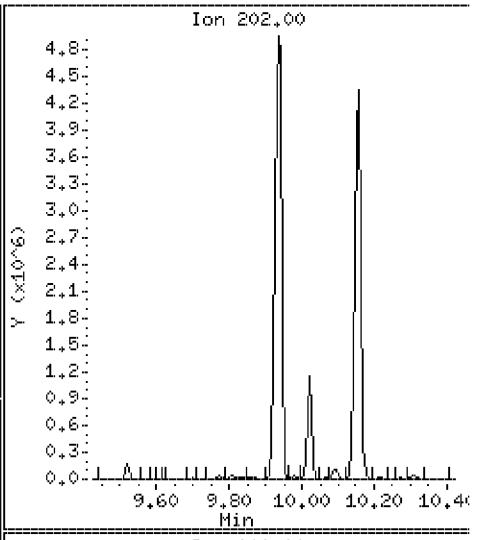
Column phase: HPMS-5

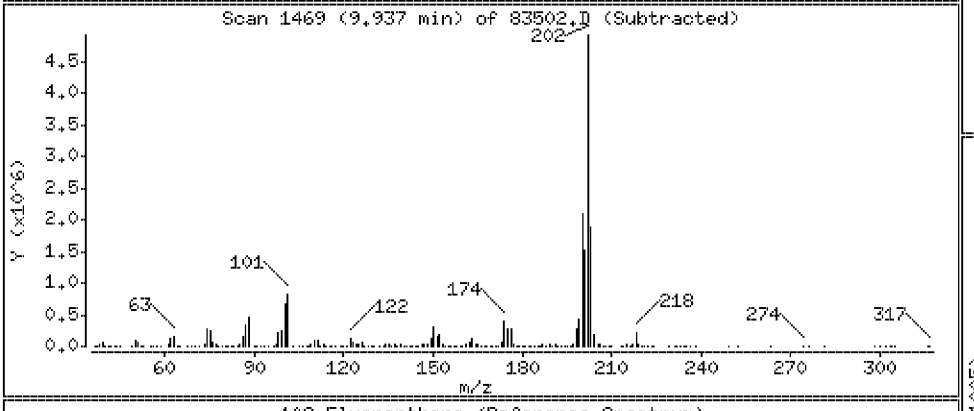
Column diameter: 0.25

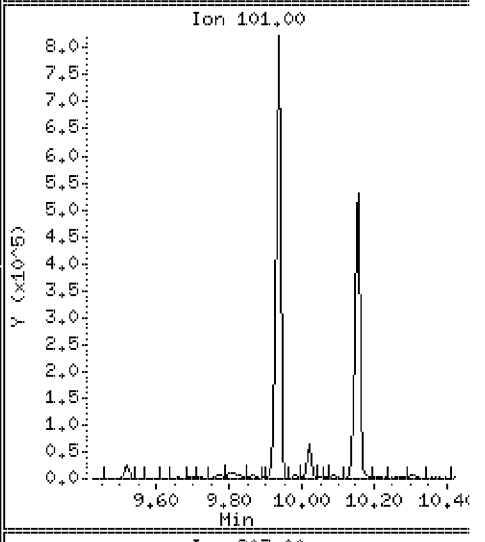
109 Fluoranthene

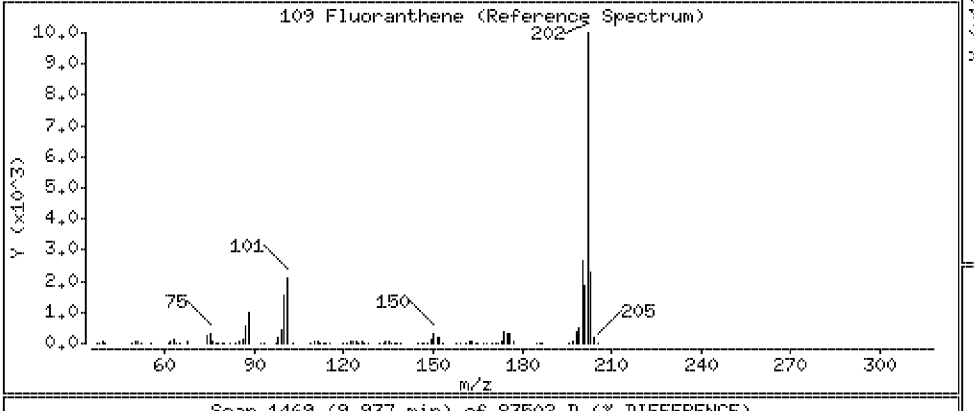
Concentration: 42200 ug/kg

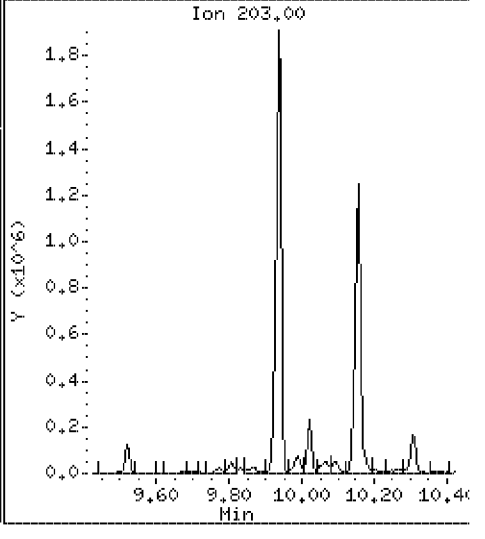


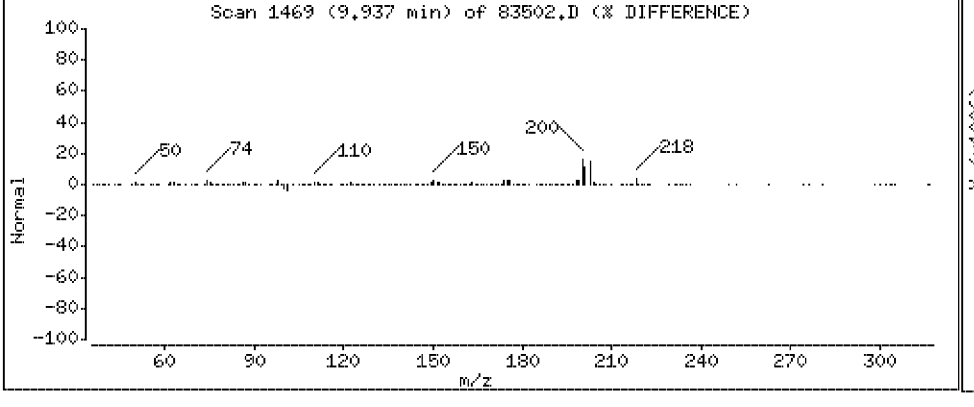












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

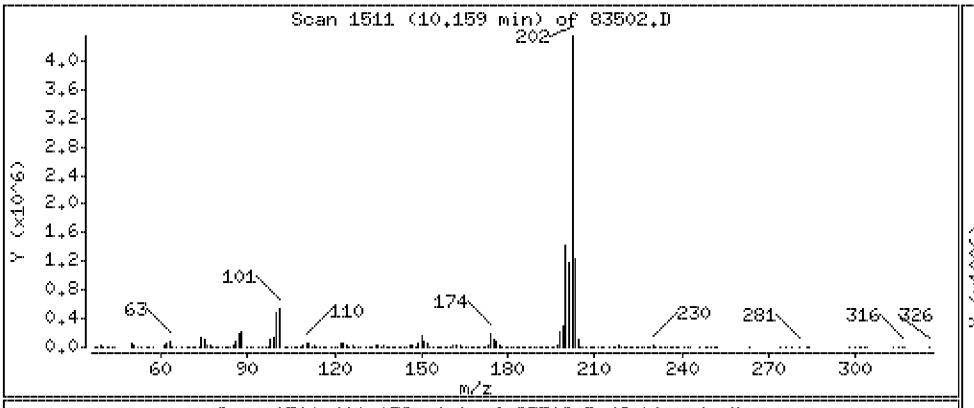
Operator: PEL

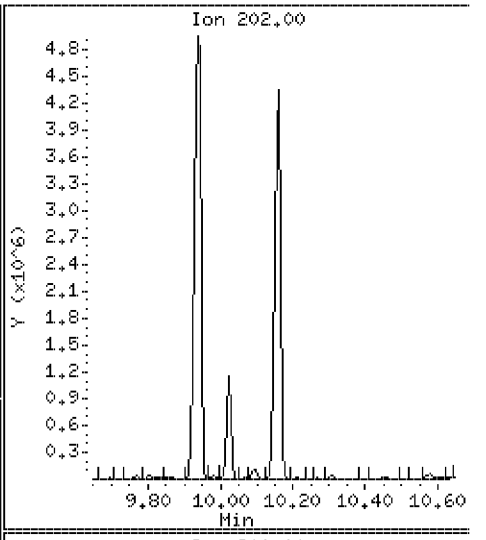
Column phase: HPMS-5

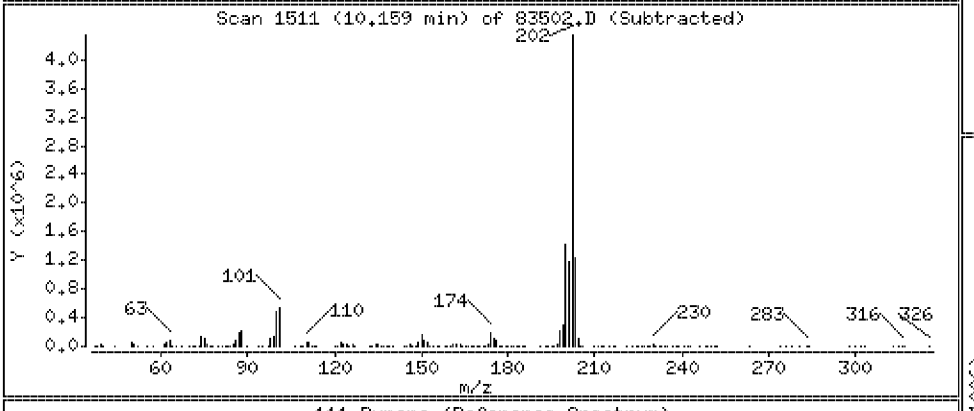
Column diameter: 0.25

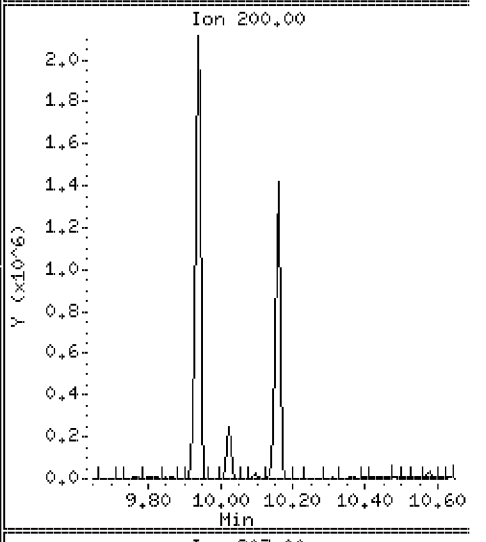
111 Pyrene

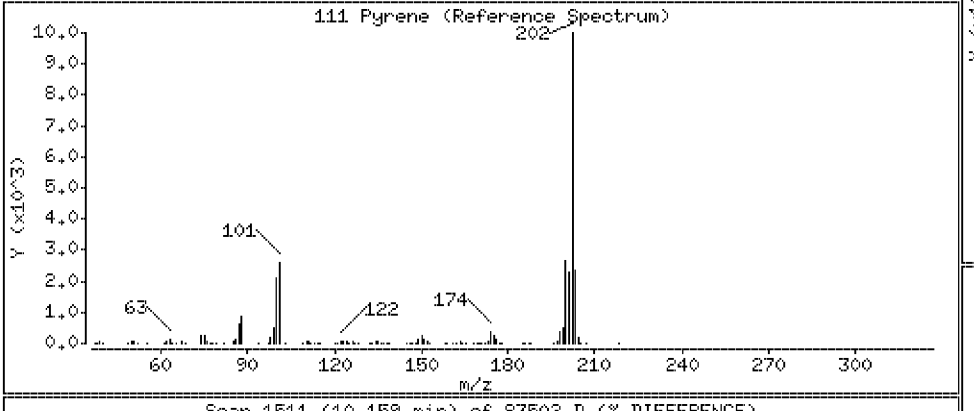
Concentration: 28900 ug/kg

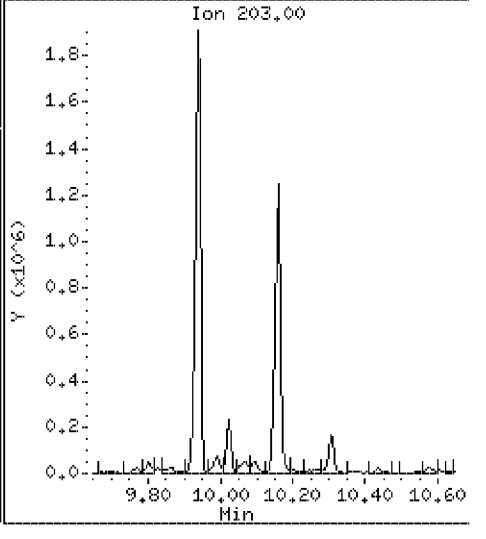


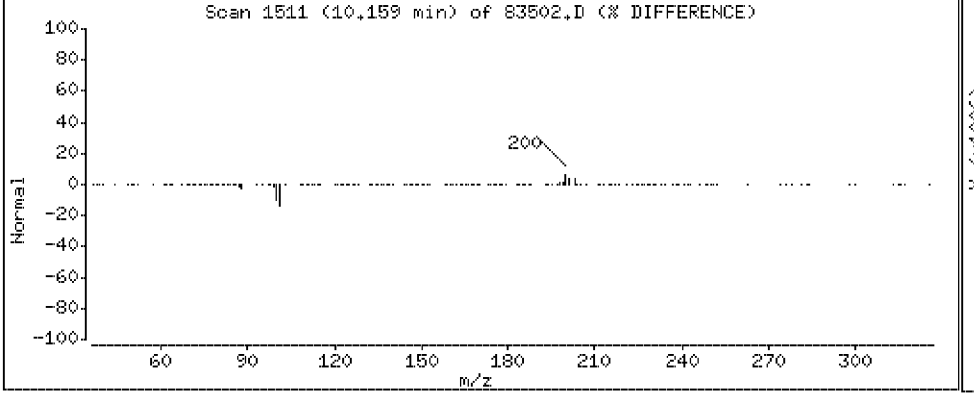












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

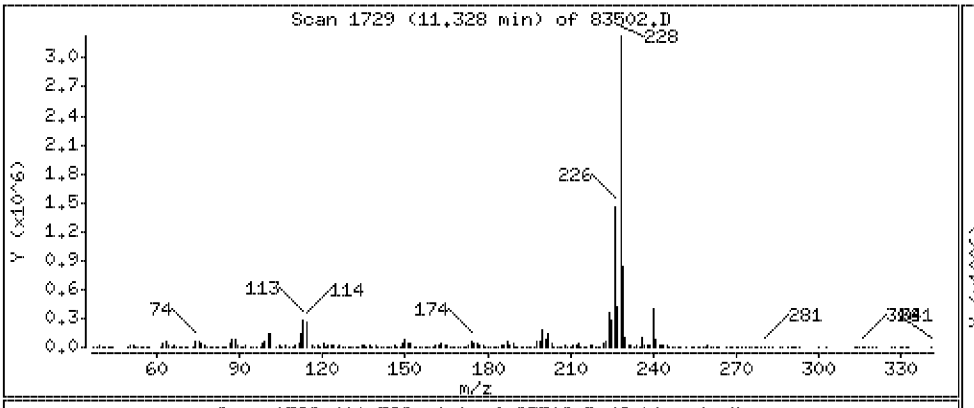
Operator: PEL

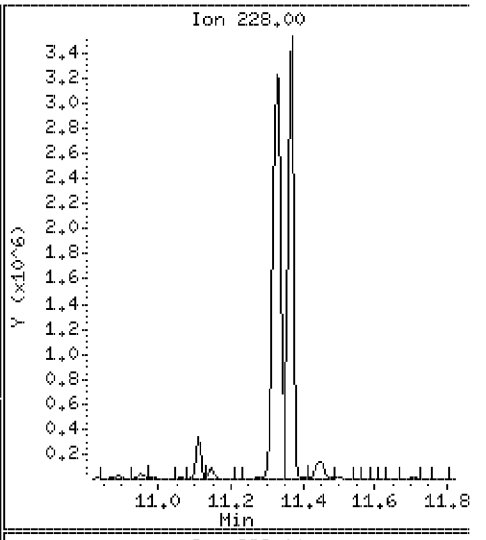
Column phase: HPMS-5

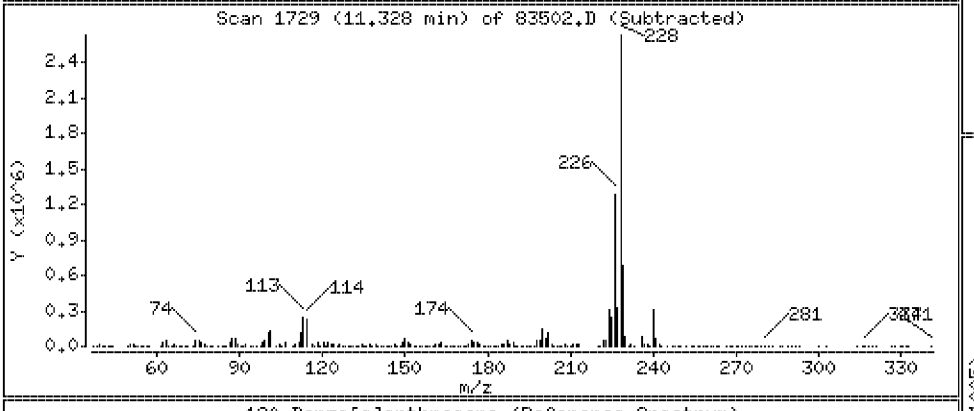
Column diameter: 0.25

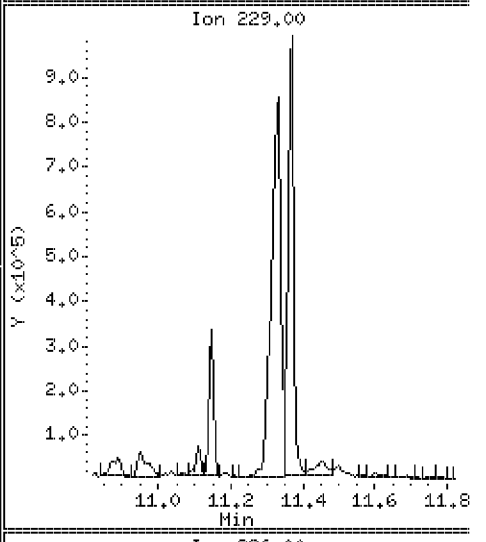
120 Benzo[a]anthracene

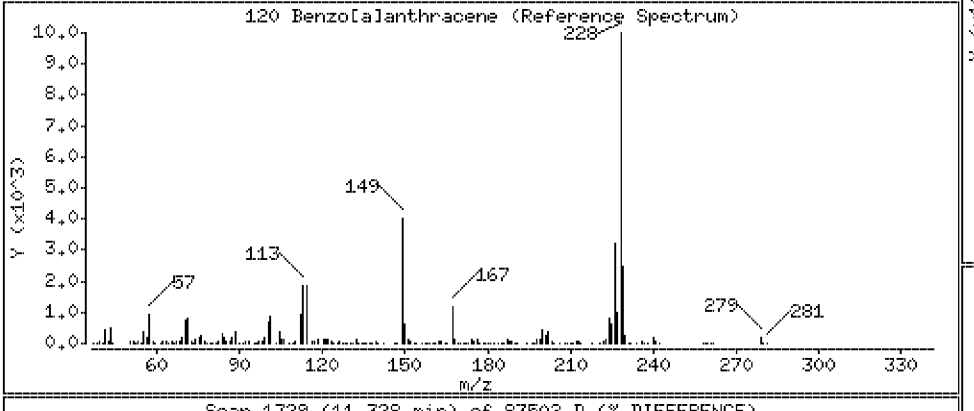
Concentration: 19600 ug/kg

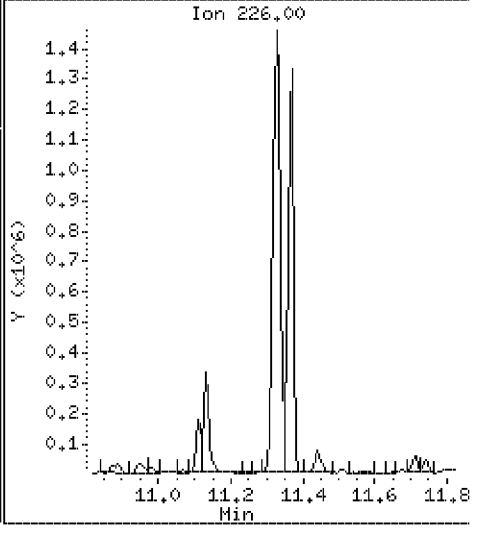


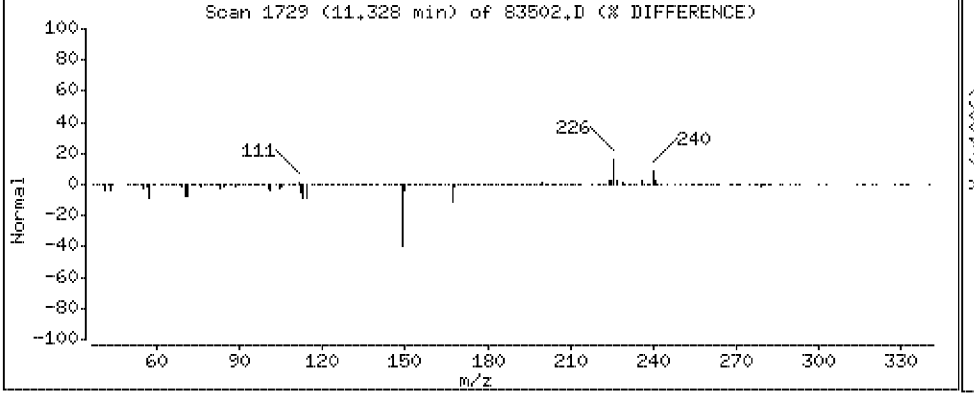












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

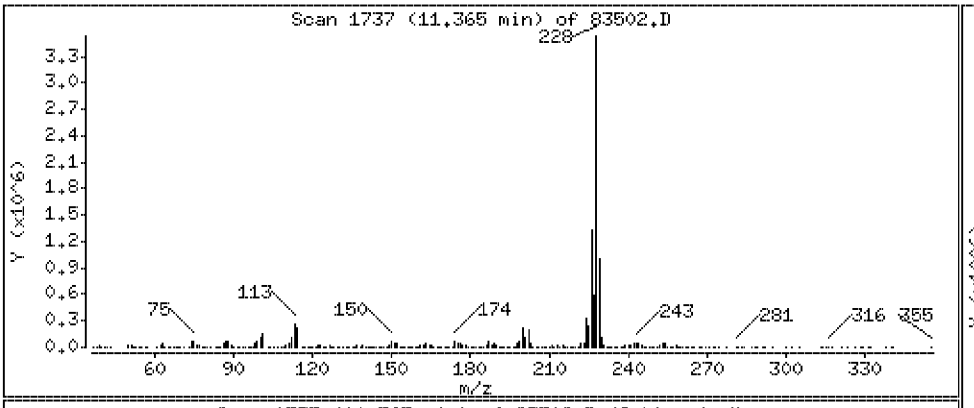
Operator: PEL

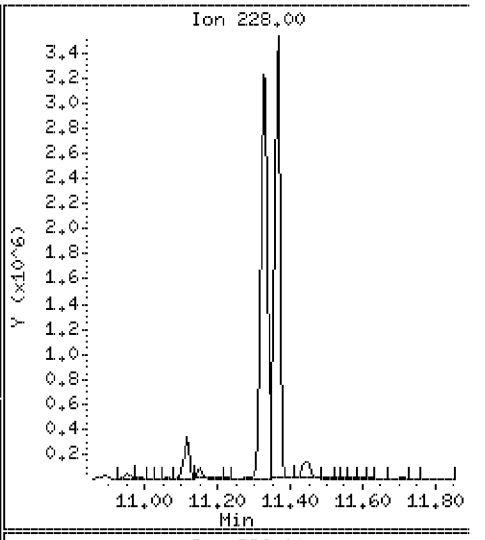
Column phase: HPMS-5

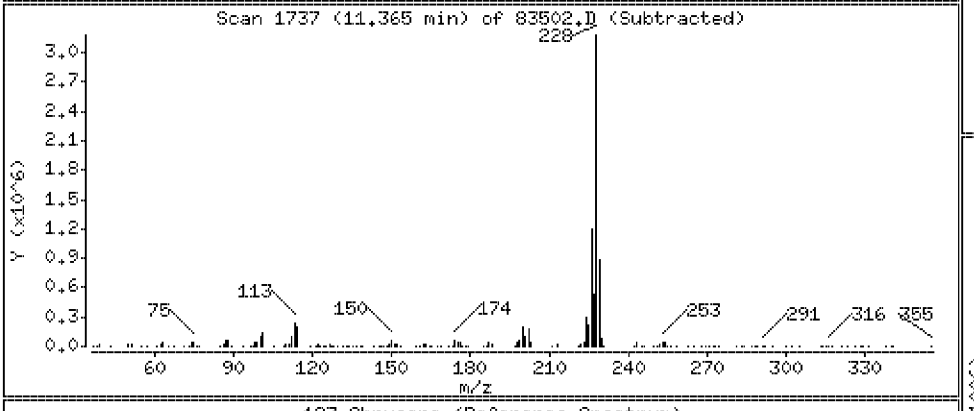
Column diameter: 0.25

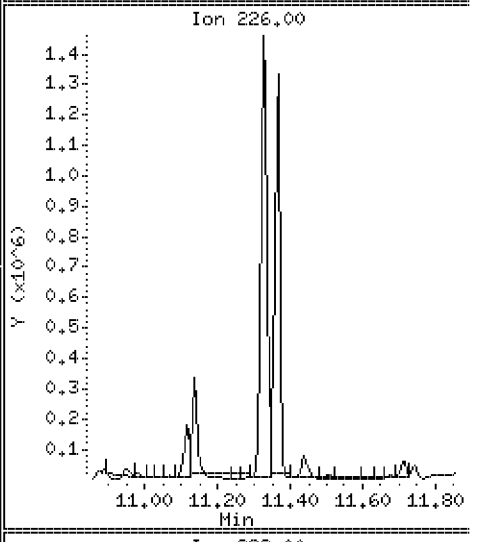
123 Chrysene

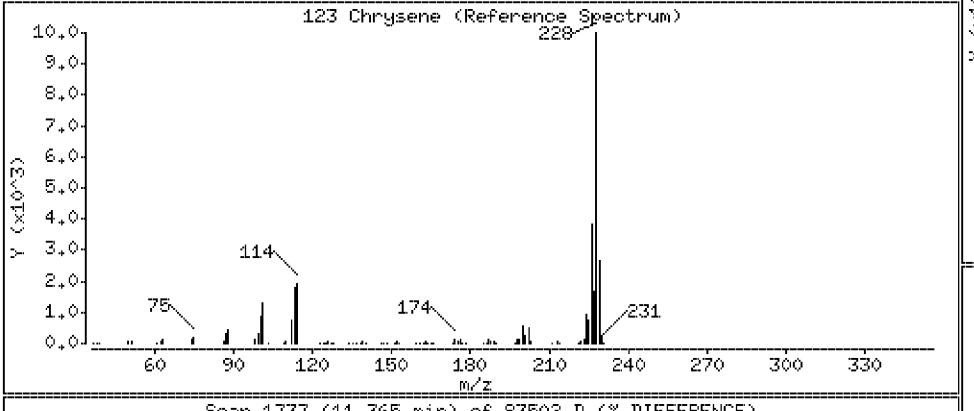
Concentration: 20300 ug/kg

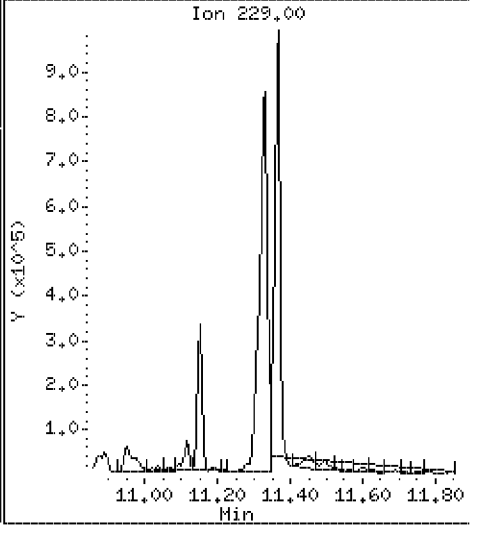


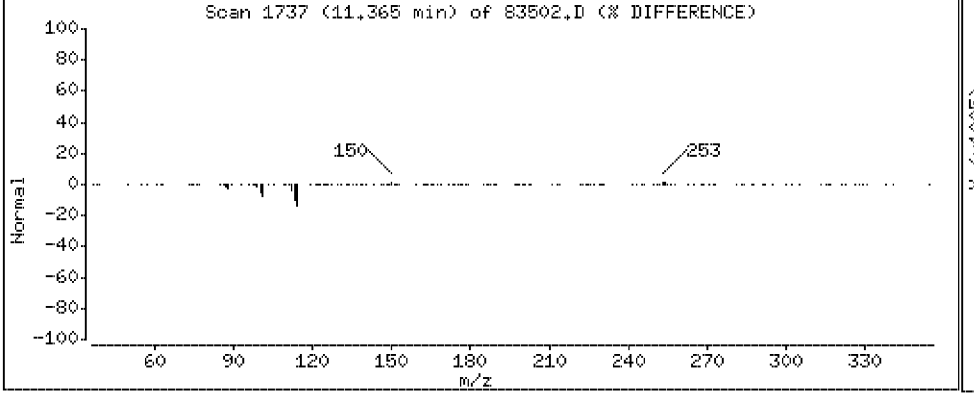












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

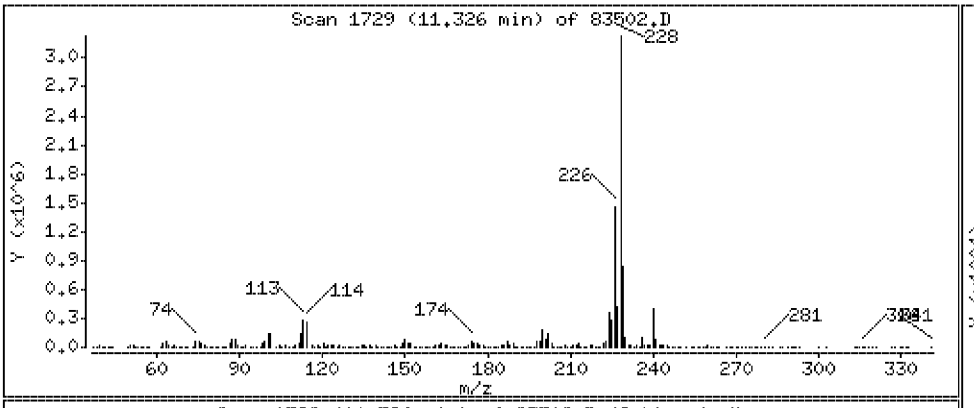
Operator: PEL

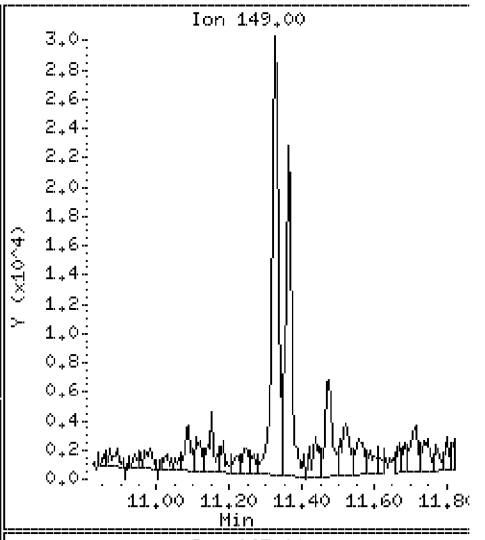
Column phase: HPMS-5

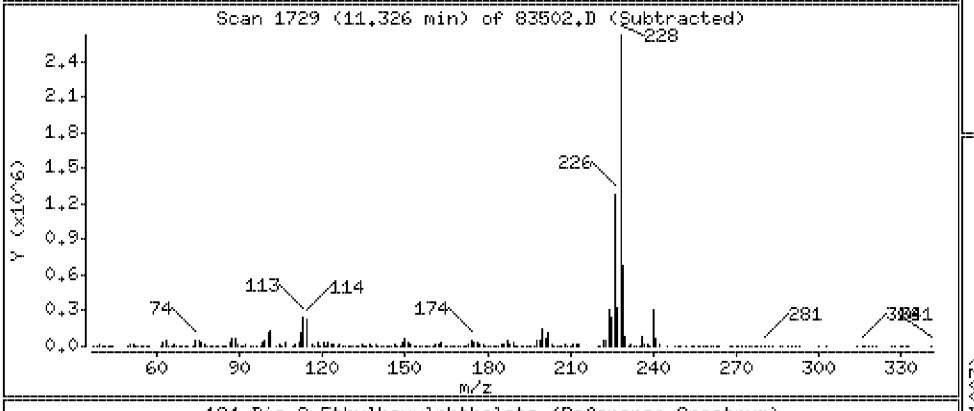
Column diameter: 0.25

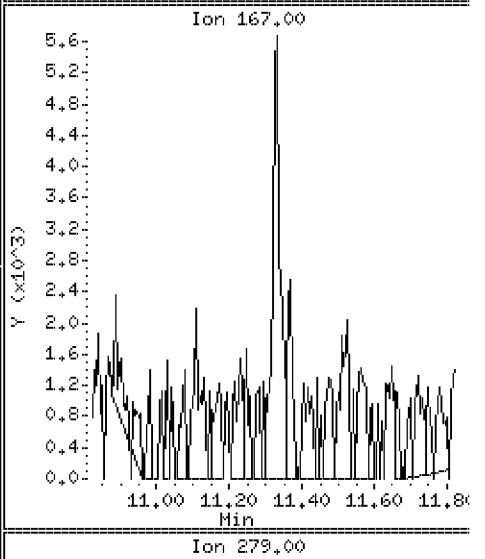
124 Bis-2-Ethylhexylphthalate

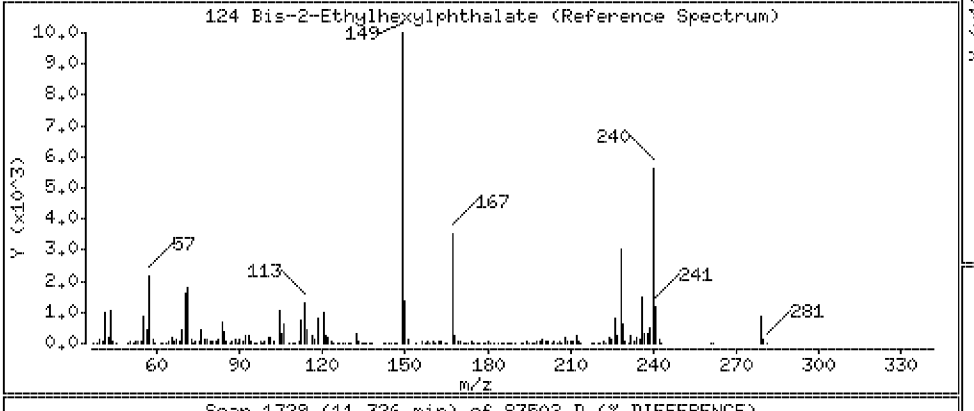
Concentration: 293 ug/kg

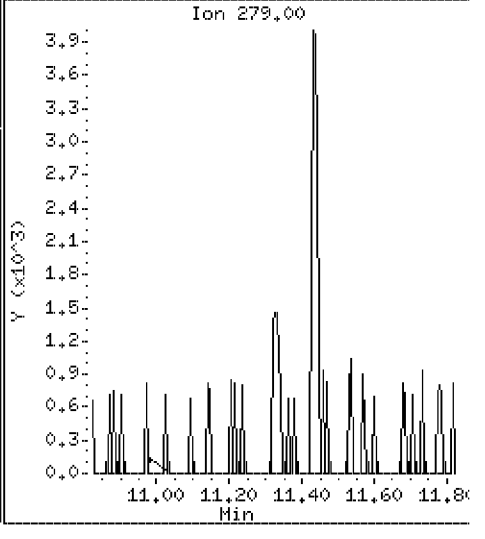


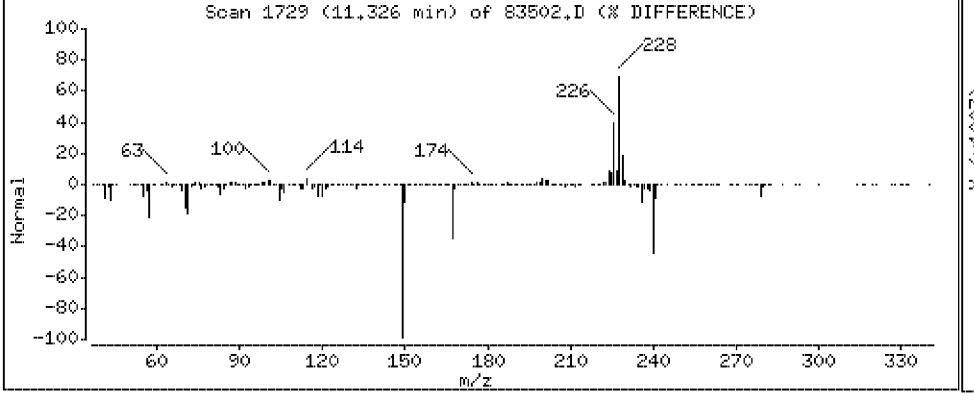












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

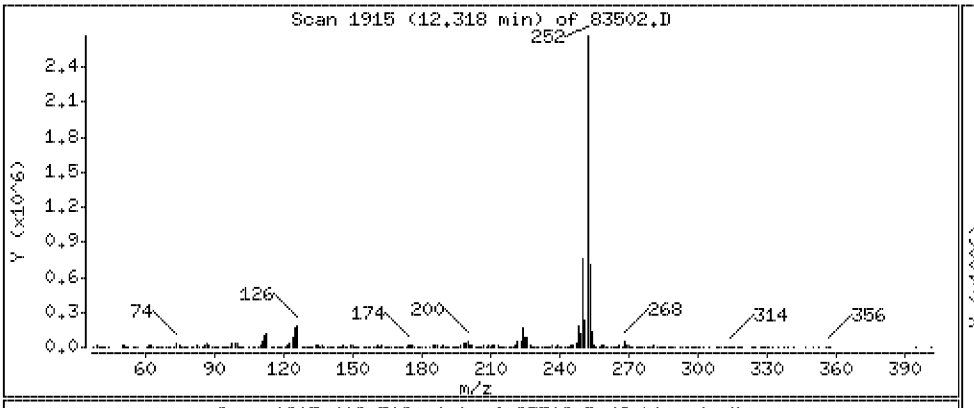
Operator: PEL

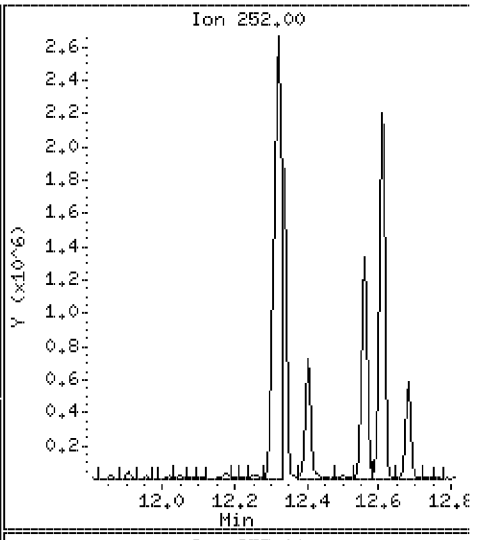
Column phase: HPMS-5

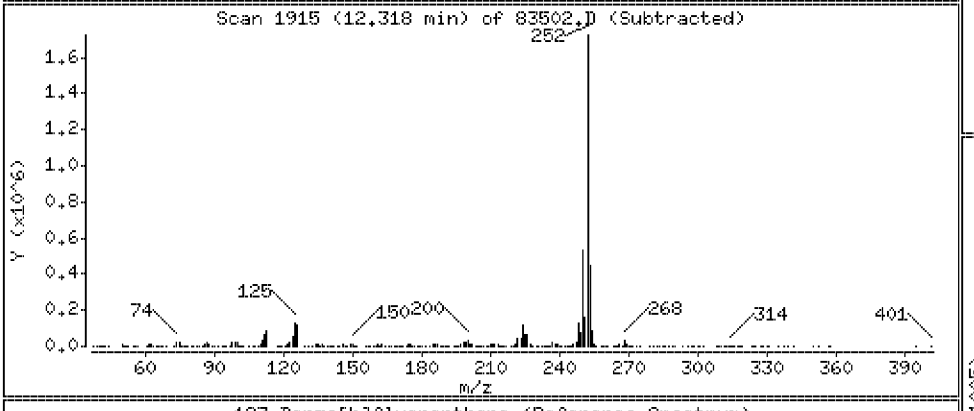
Column diameter: 0.25

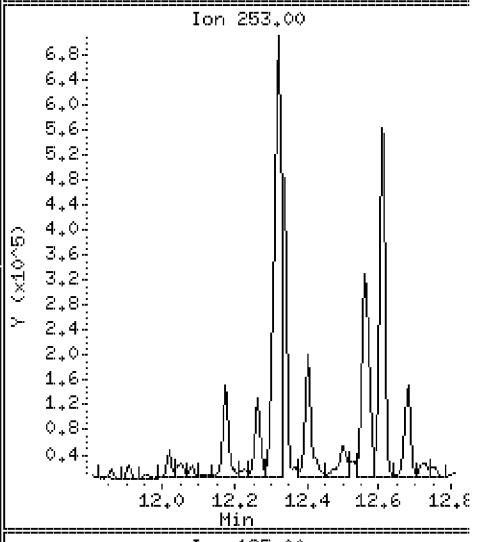
127 Benzo[b]fluoranthene

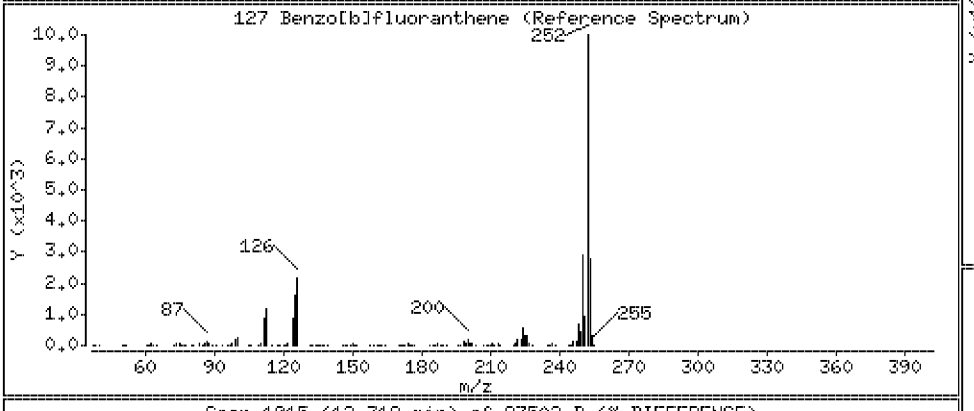
Concentration: 22500 ug/kg

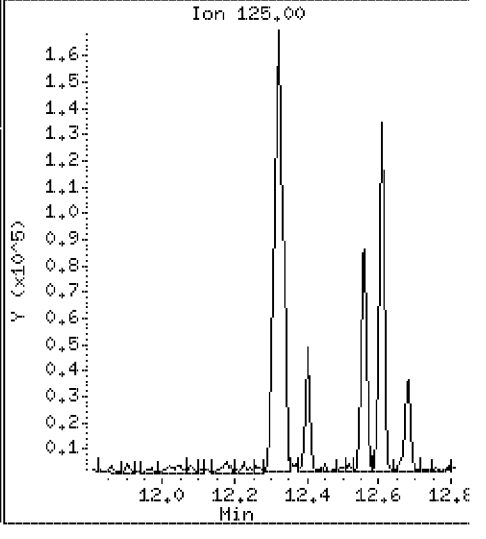


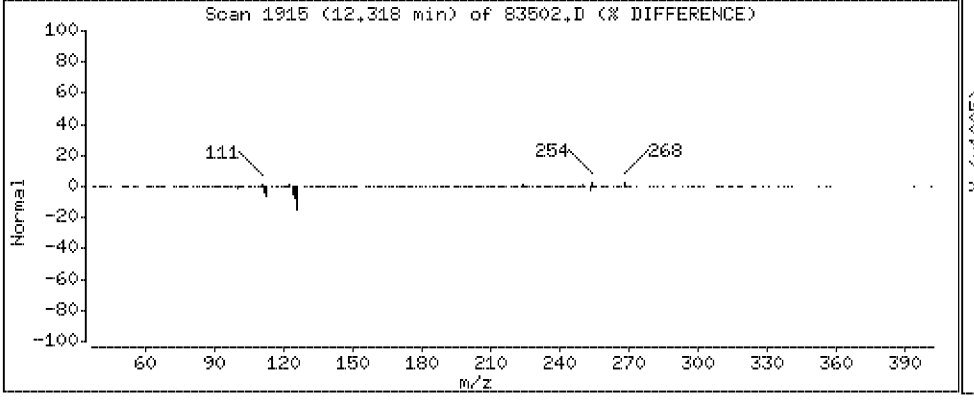












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

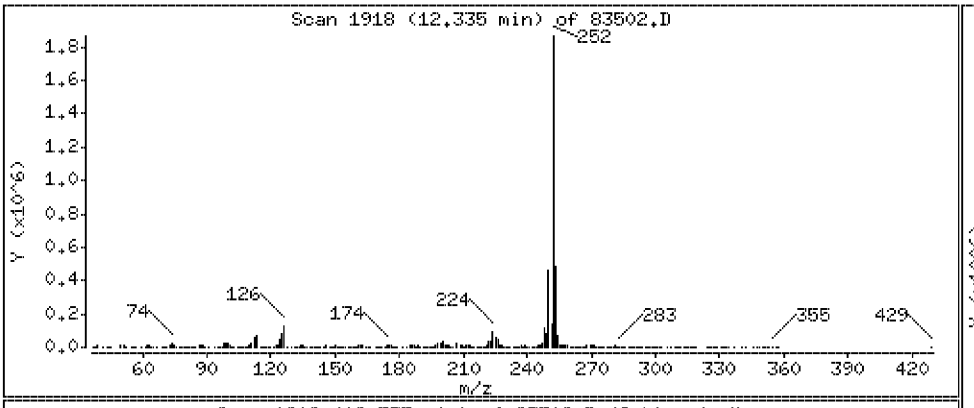
Operator: PEL

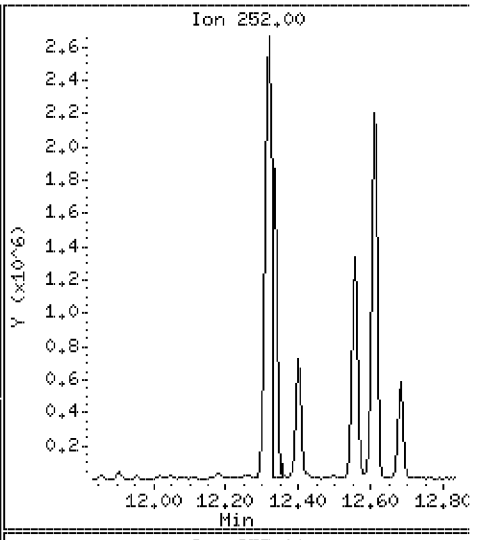
Column phase: HPMS-5

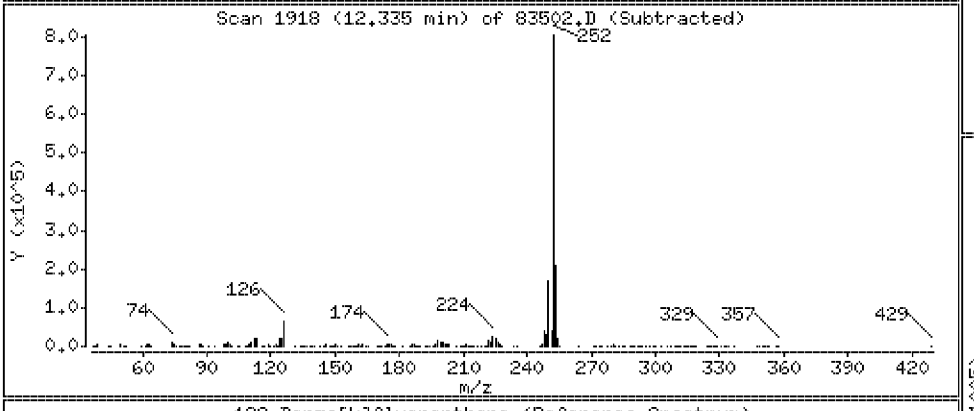
Column diameter: 0.25

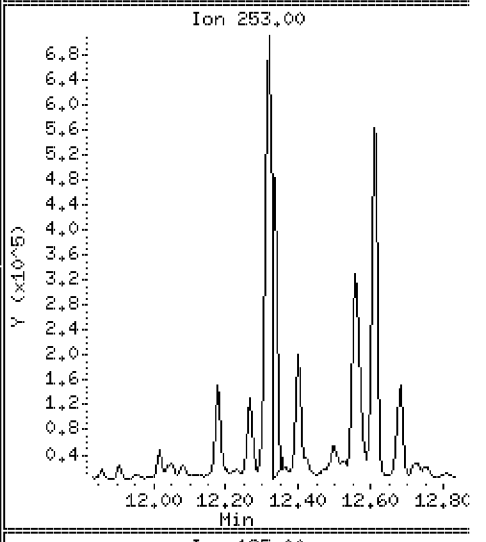
128 Benzo[k]fluoranthene

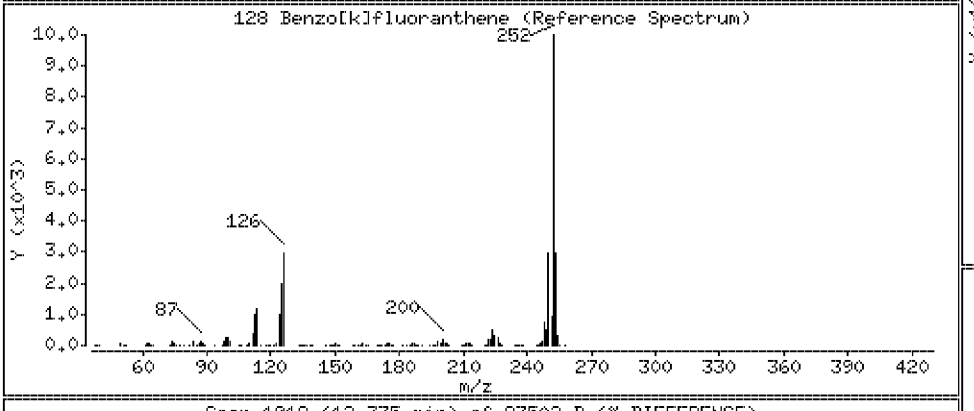
Concentration: 9520 ug/kg

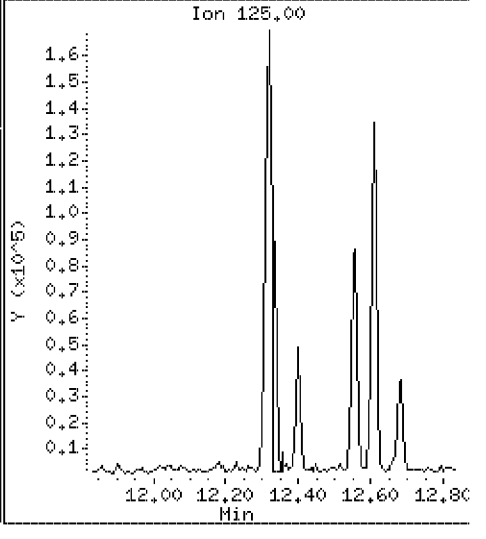


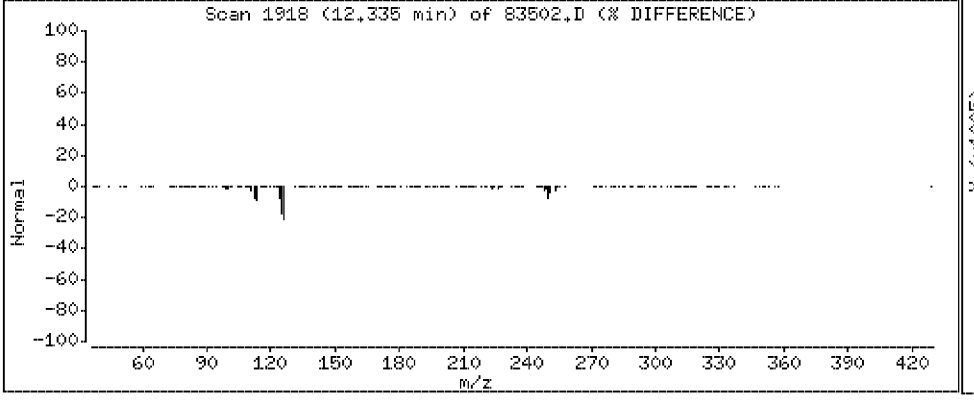












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

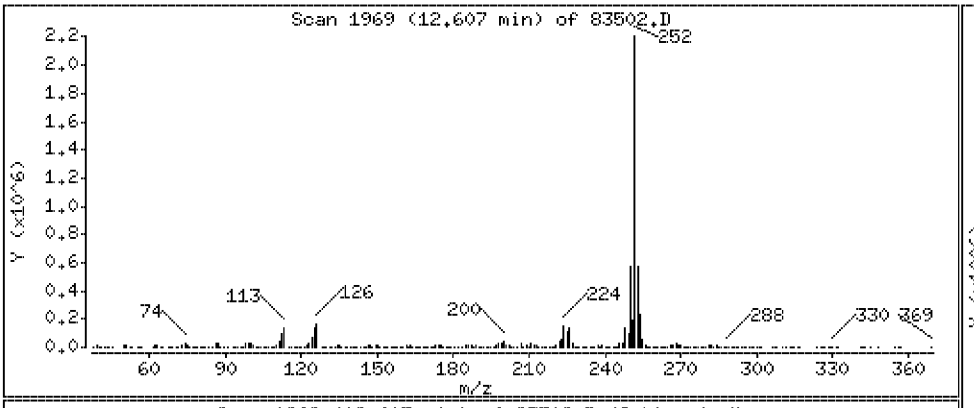
Operator: PEL

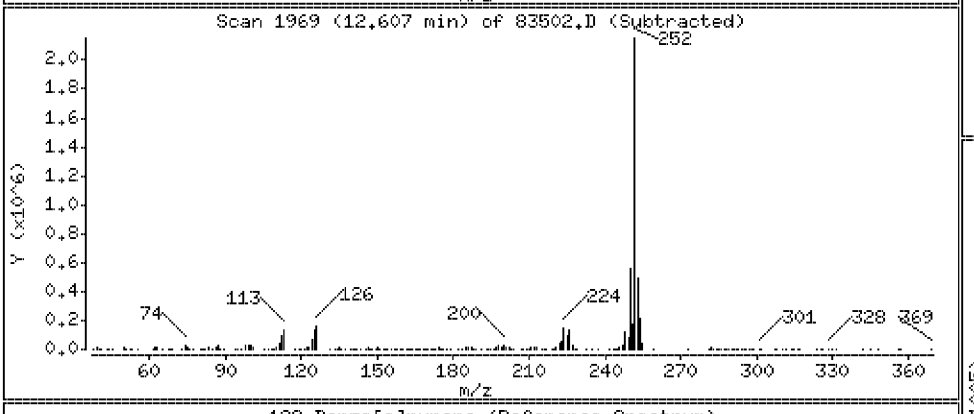
Column phase: HPMS-5

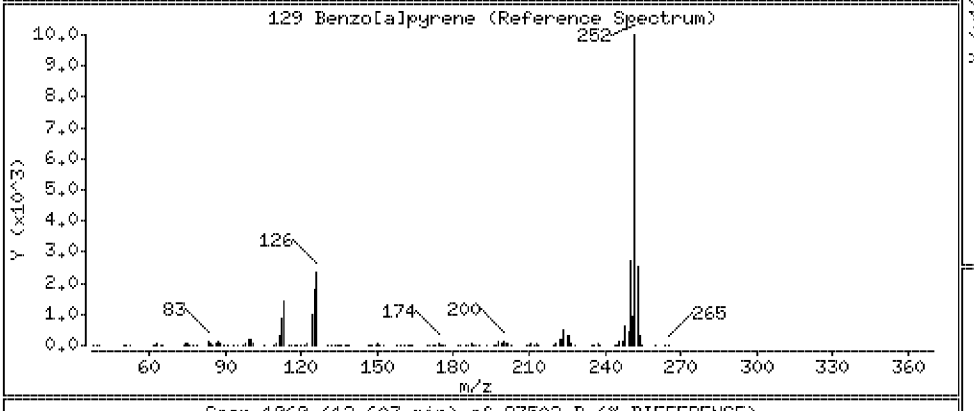
Column diameter: 0.25

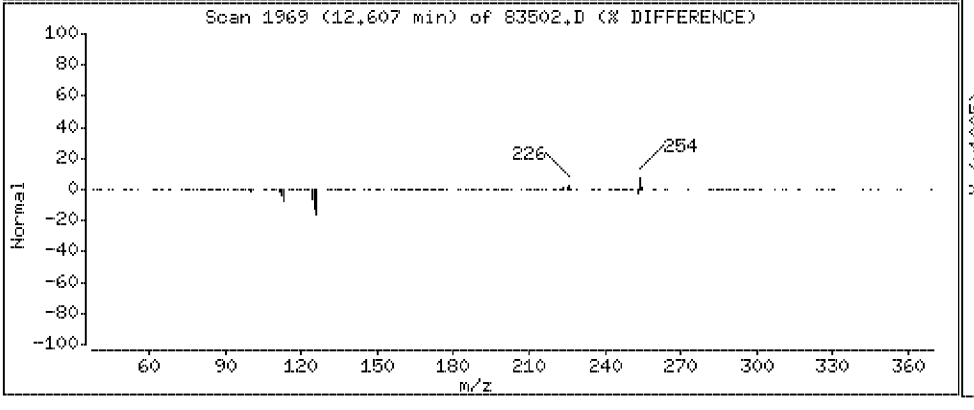
129 Benzo[a]pyrene

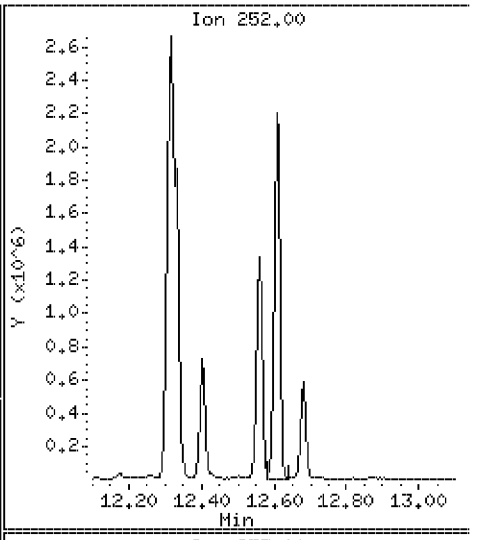
Concentration: 14500 ug/kg

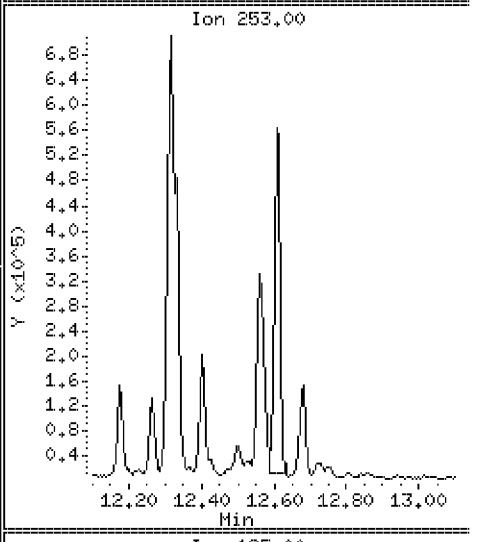


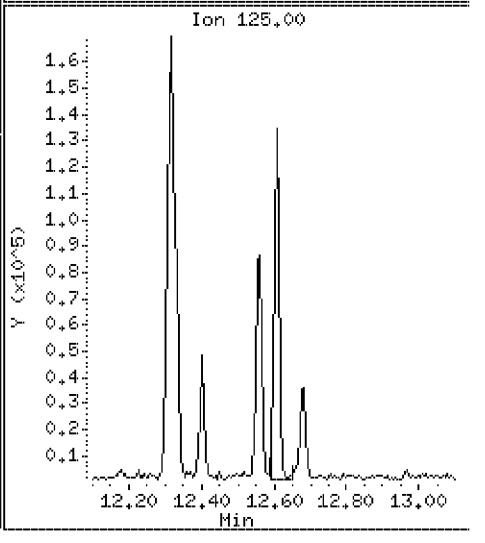












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

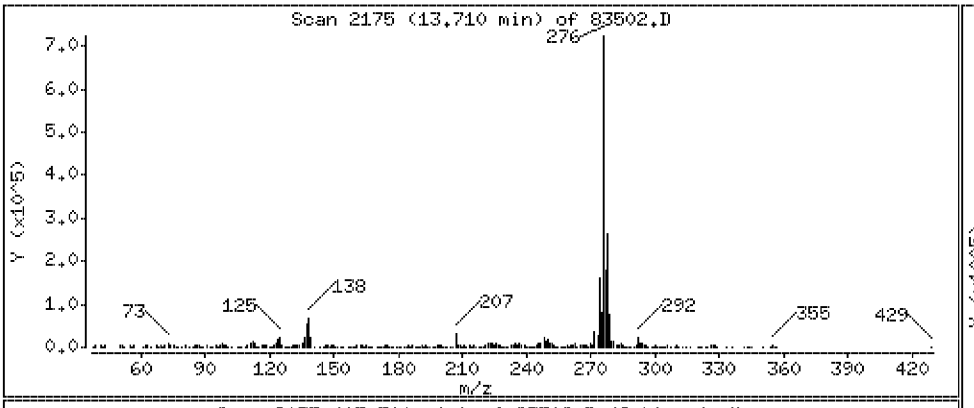
Operator: PEL

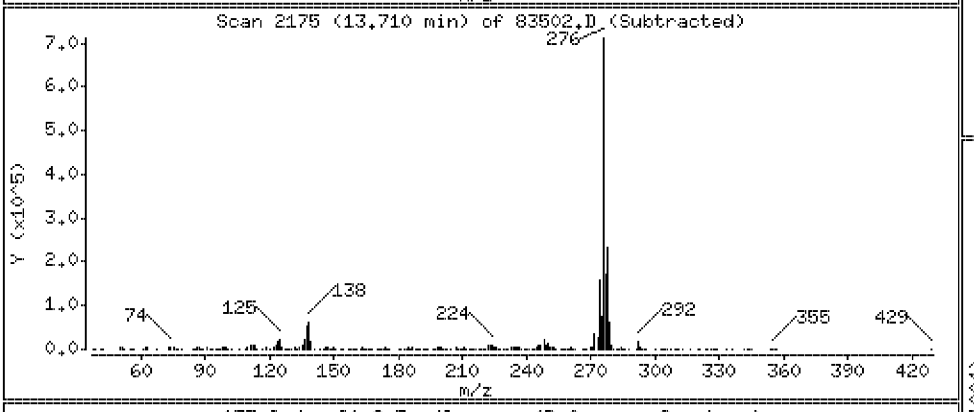
Column phase: HPMS-5

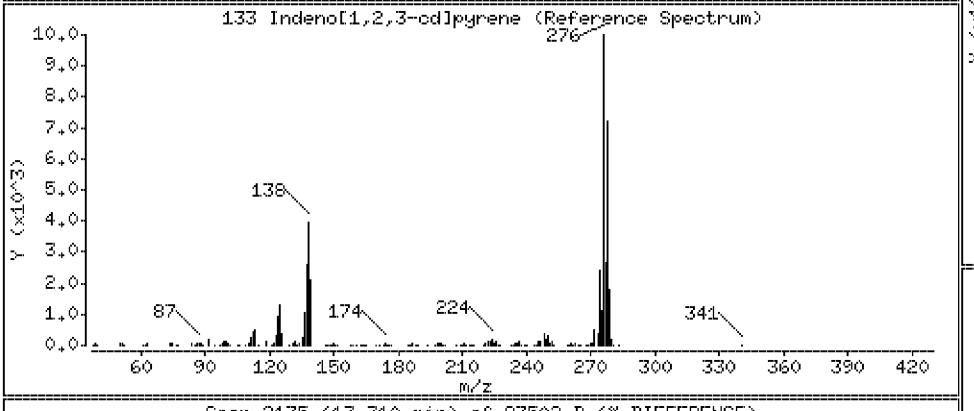
Column diameter: 0.25

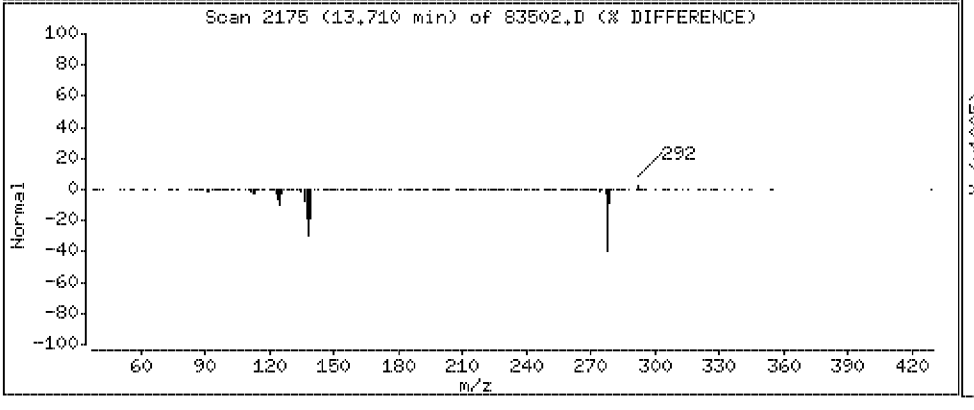
133 Indeno[1,2,3-cd]pyrene

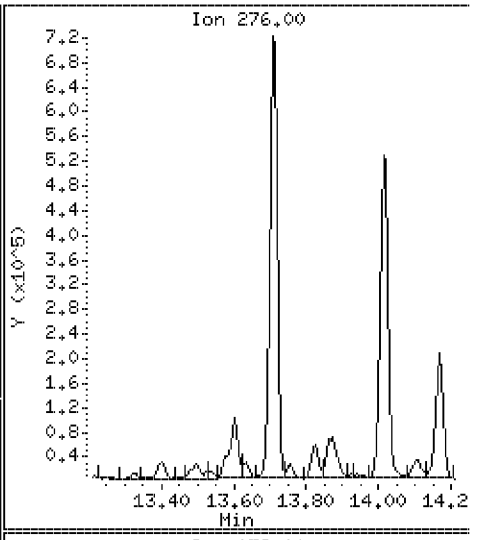
Concentration: 4940 ug/kg

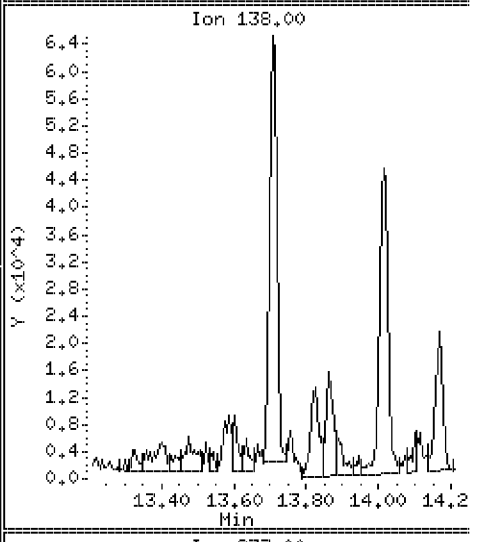


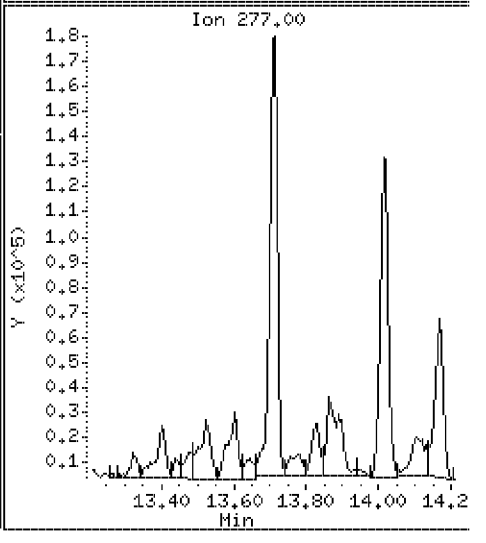












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83502.D

Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

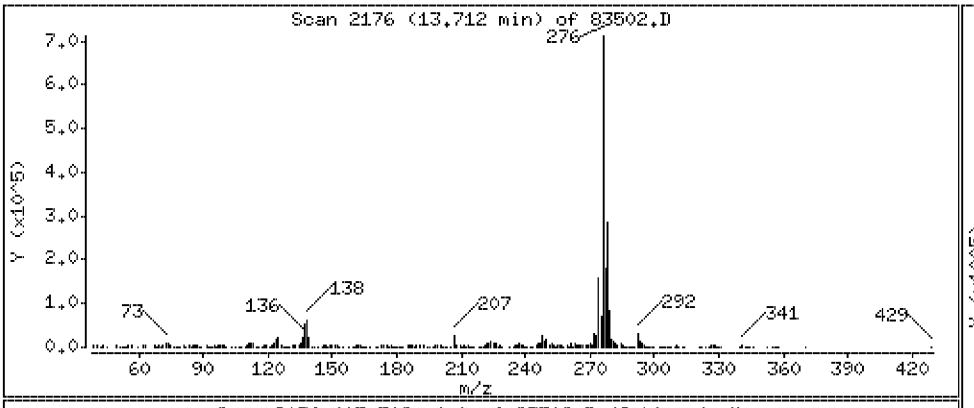
Operator: PEL

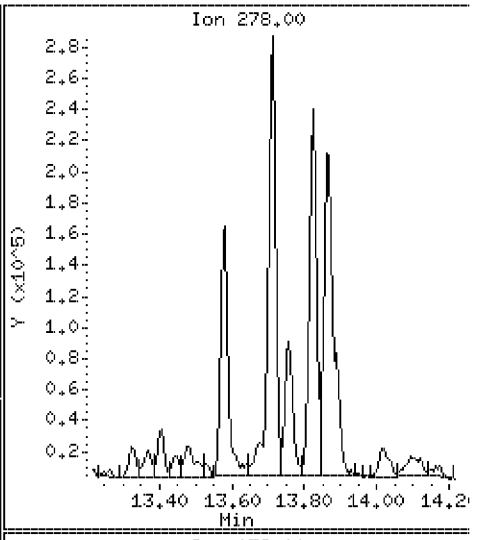
Column phase: HPMS-5

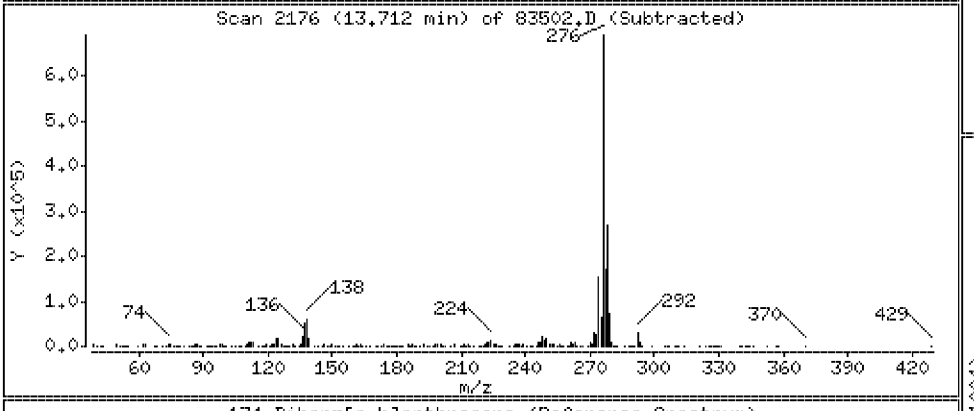
Column diameter: 0.25

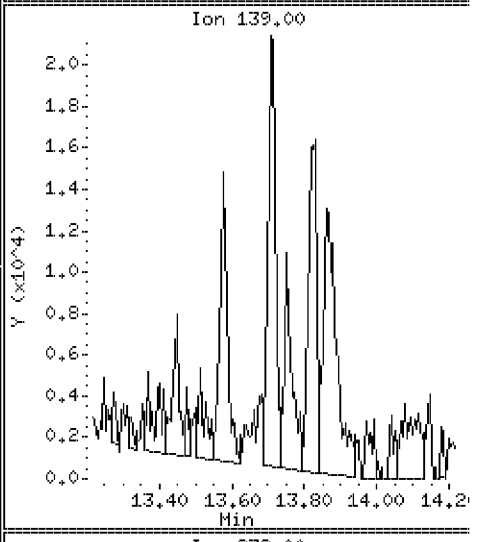
134 Dibenz[a,h]anthracene

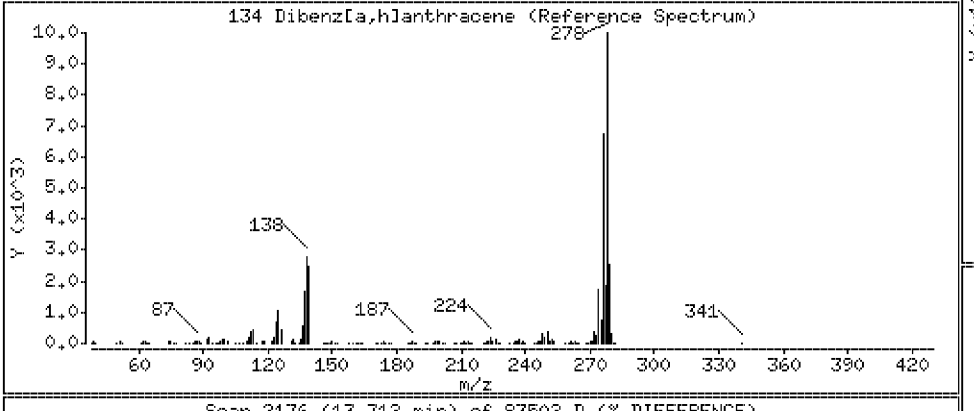
Concentration: 2300 ug/kg

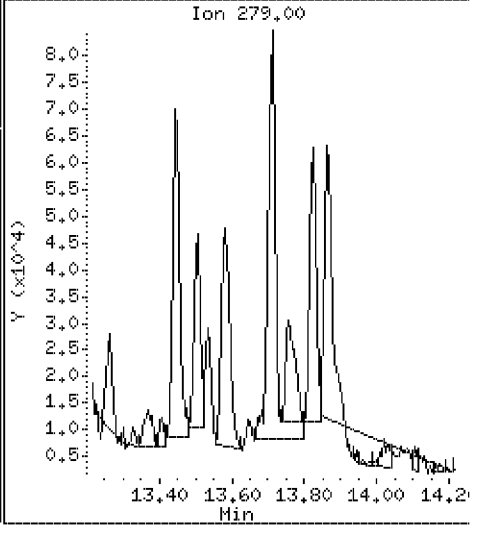


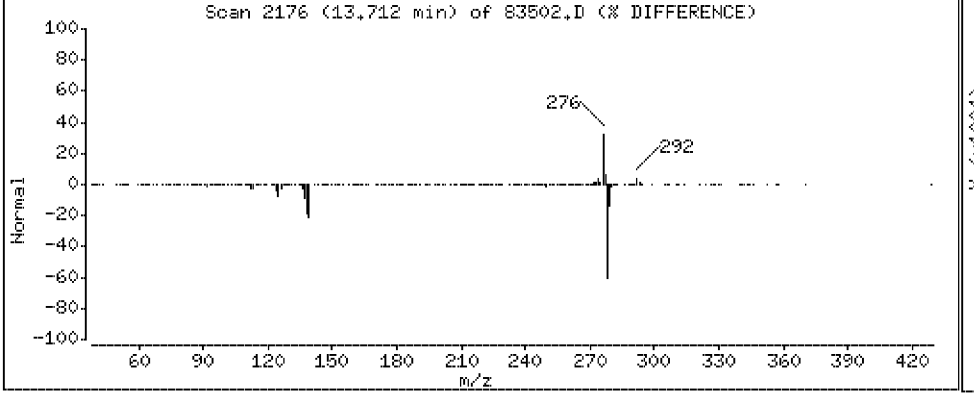












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Date : 26-APR-2012 20:21

Client ID: EPAFMC-SD-02

Instrument: smsd03.i

Sample Info: sw350583502

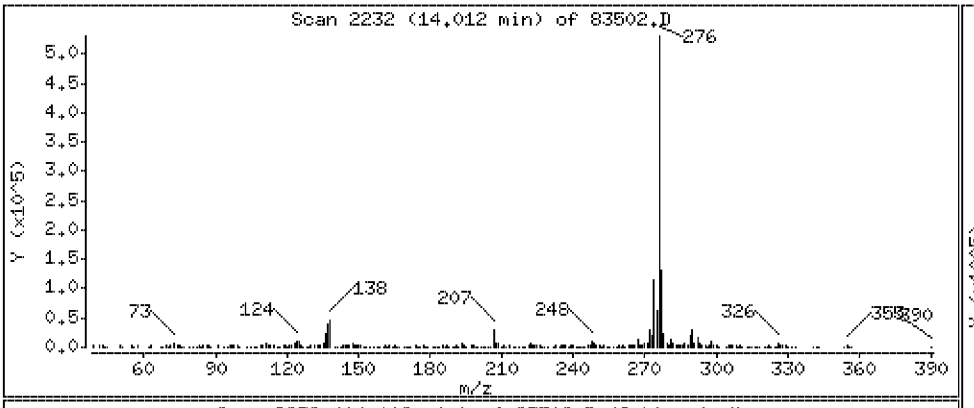
Operator: PEL

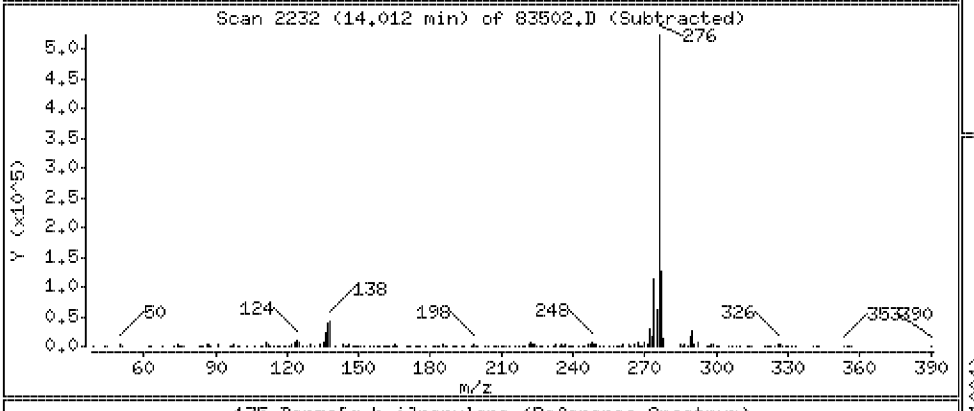
Column phase: HPMS-5

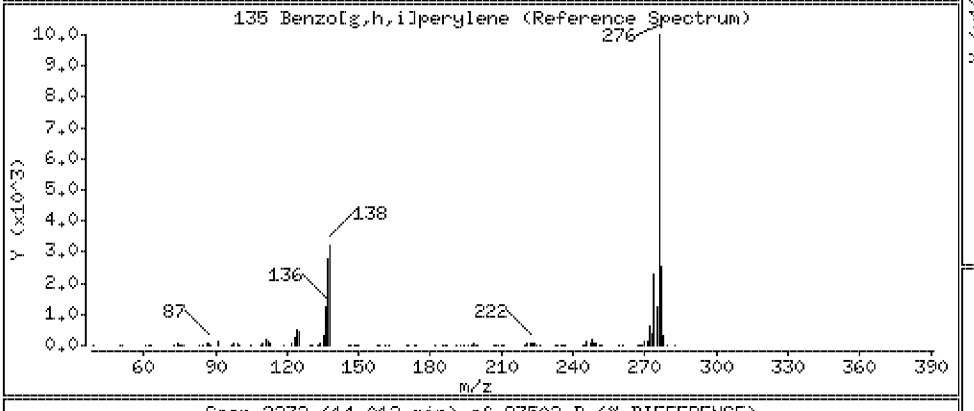
Column diameter: 0.25

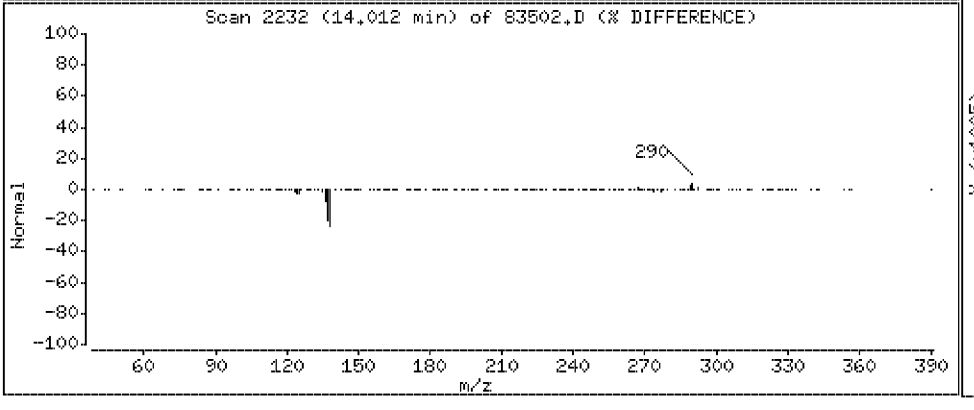
135 Benzo[g,h,i]perylene

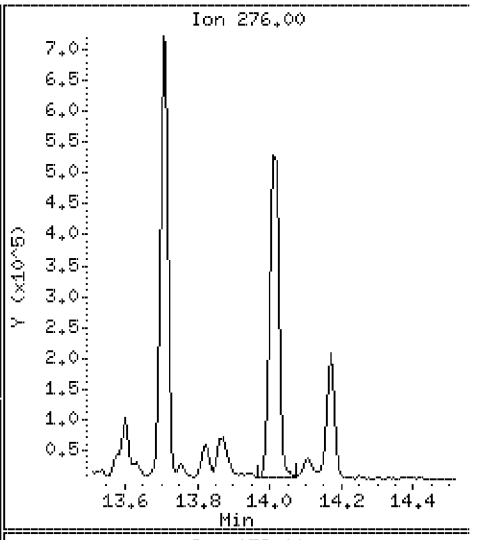
Concentration: 5060 ug/kg

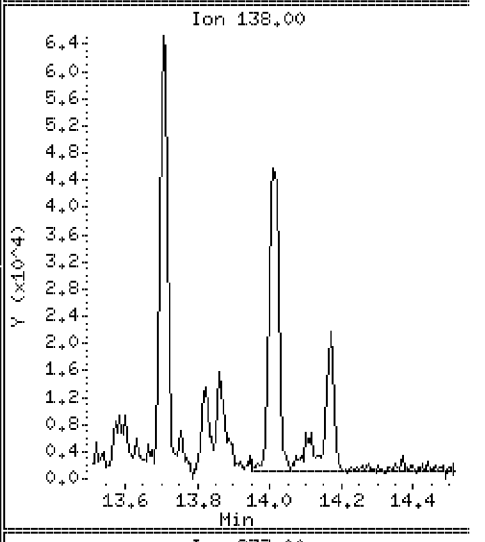


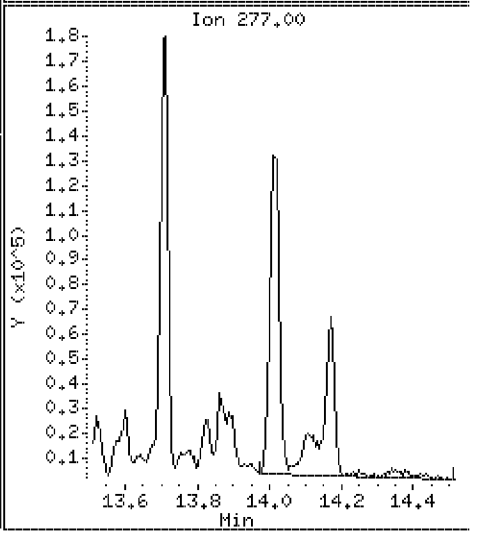












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D
Lab Smp Id: 350583505 Client Smp ID: EPAFMC-SD-05
Inj Date : 26-APR-2012 20:45 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583505
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 25
Dil Factor: 50.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	50.000	Dilution Factor
Ws	25.470	Weight of sample extracted (g)
M	21.800	% Moisture
Vf	14.000	Final Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.423	4.423	(1.000)	152	304313	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	189093			33.39- 93.39	62.14
4.423	4.423	(1.000)	150	456805			121.52- 181.52	150.11
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.587	5.583	(1.000)	136	1064628	40.0000		80.00- 120.00	100.00
5.587	5.583	(1.000)	68	56852			0.00- 35.32	5.34
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.280	7.278	(1.000)	164	739084	40.0000		80.00- 120.00	100.00
7.280	7.278	(1.000)	162	708290			66.43- 126.43	95.83
7.280	7.278	(1.000)	160	321741			14.76- 74.76	43.53
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.738	8.734	(1.000)	188	1448683	40.0000		80.00- 120.00	100.00
8.736	8.734	(1.000)	94	87259			0.00- 36.17	6.02
8.737	8.734	(1.000)	80	108435			0.00- 38.16	7.49
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.336	11.327	(1.000)	240	2223873	40.0000		80.00- 120.00	100.00

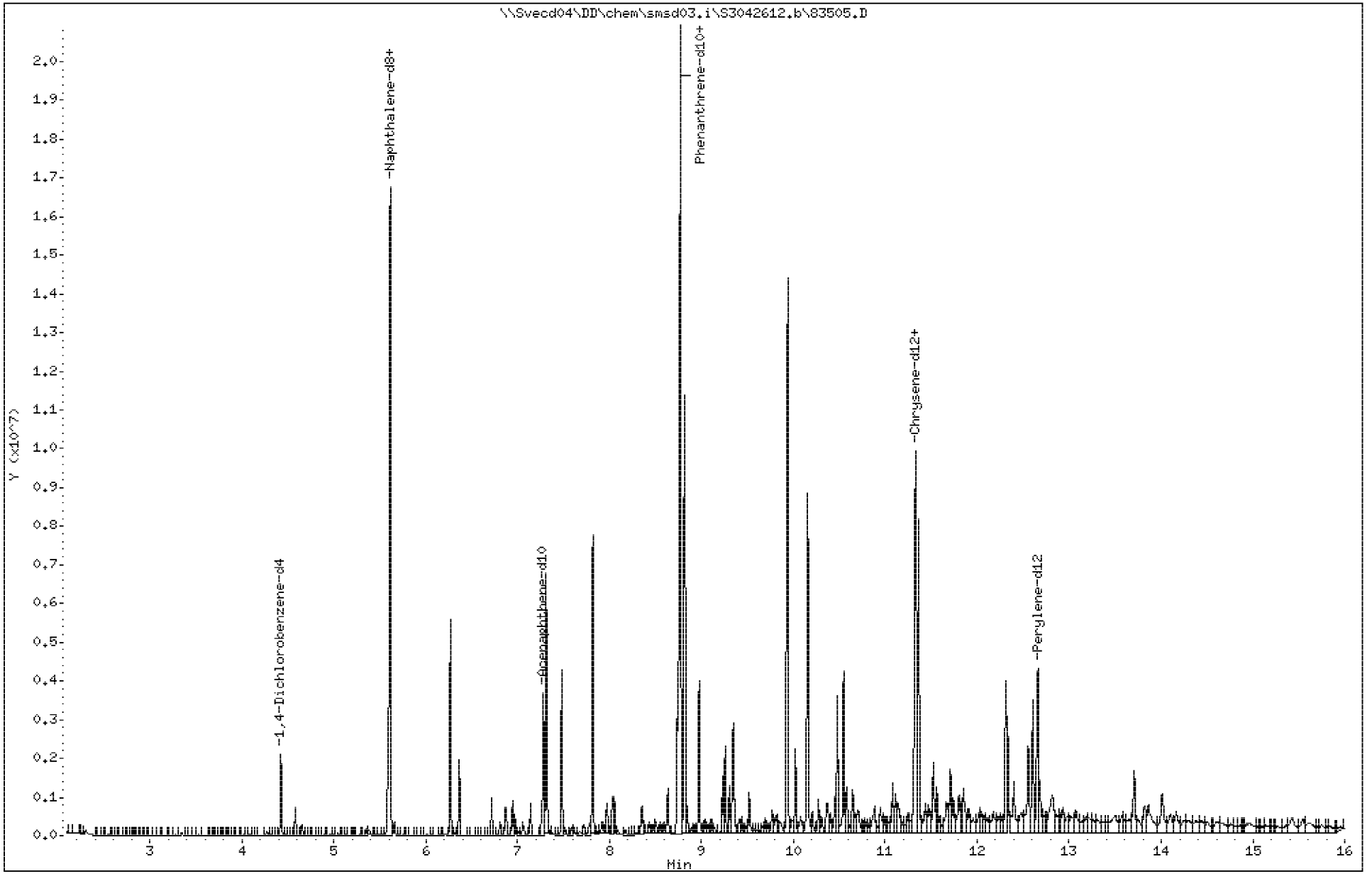
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.335	11.327	(1.000)	120	129224			0.00- 35.19	5.81
11.336	11.327	(1.000)	236	591800			0.00- 56.66	26.61
* 130 Perylene-d12						CAS #: 1520-96-3		
12.657	12.650	(1.000)	264	1781645	40.0000		80.00- 120.00	100.00
12.657	12.650	(1.000)	260	413753			0.00- 54.55	23.22
12.657	12.650	(1.000)	265	440285			0.00- 53.02	24.71

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D
Date : 26-APR-2012 20:45
Client ID: EPAFMC-SD-05
Sample Info: sw350583505

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2734

3505835



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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

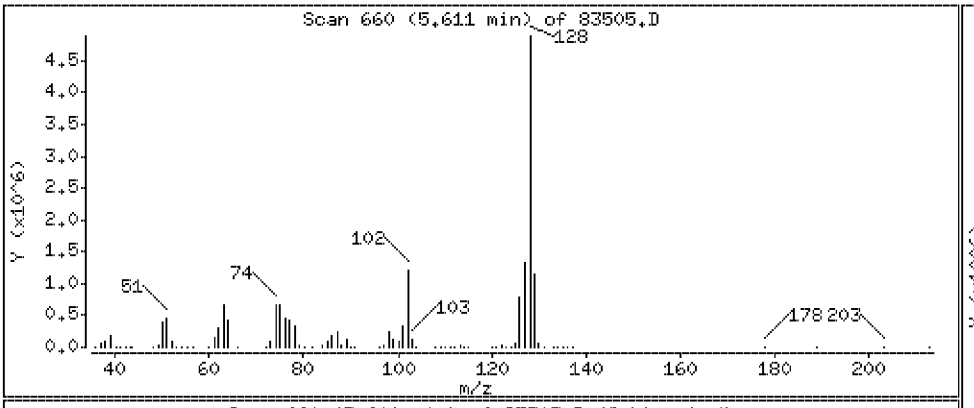
Operator: PEL

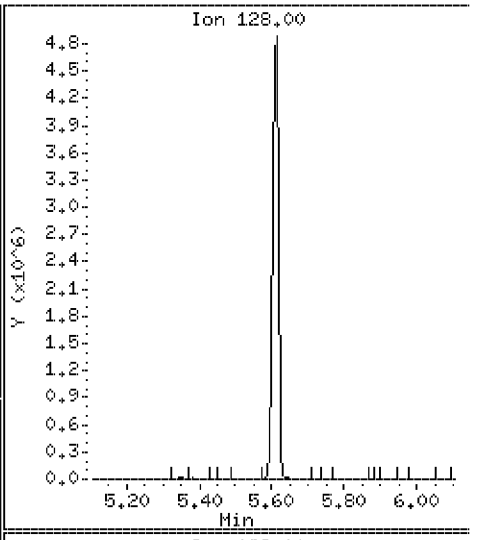
Column phase: HPMS-5

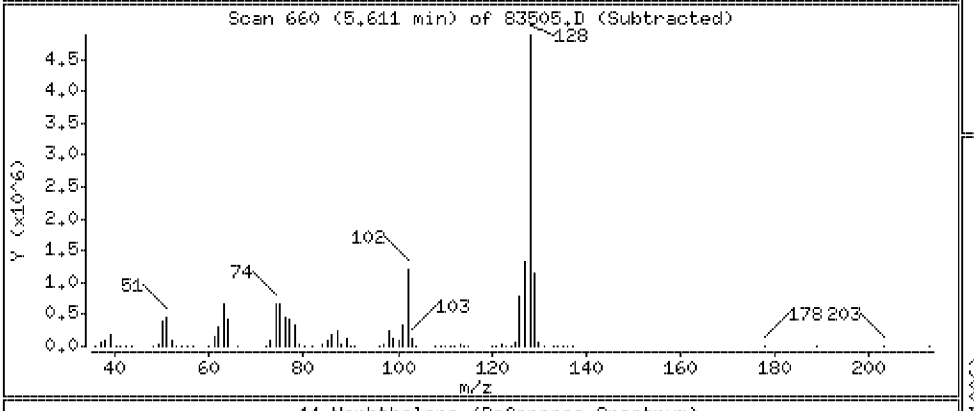
Column diameter: 0.25

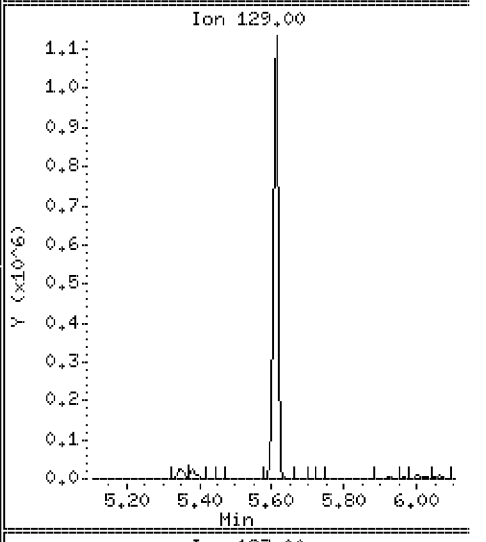
44 Naphthalene

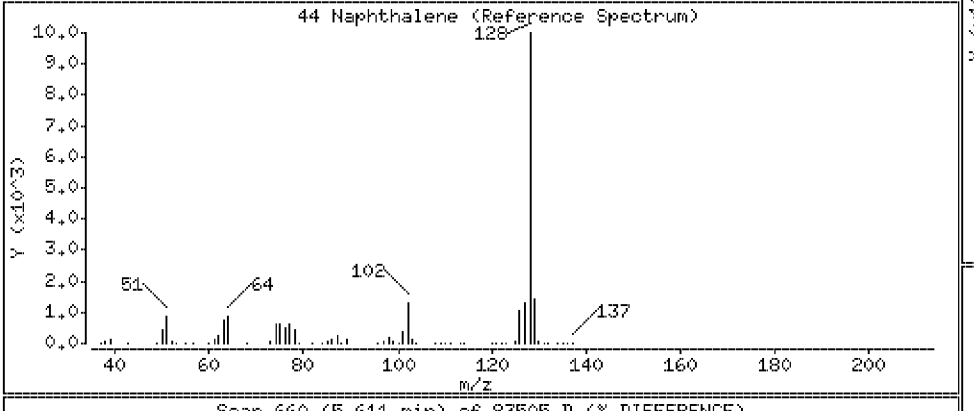
Concentration: 7310000 ug/kg

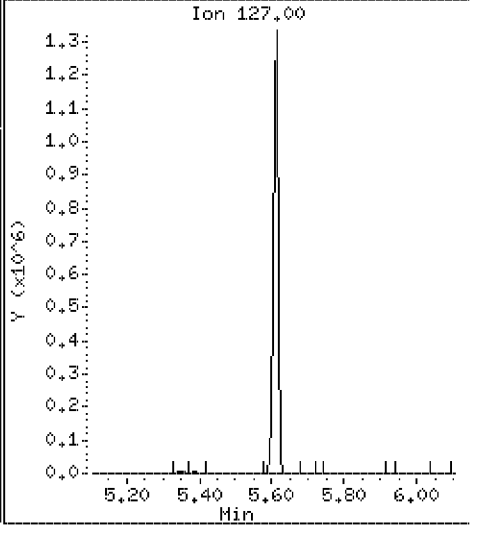


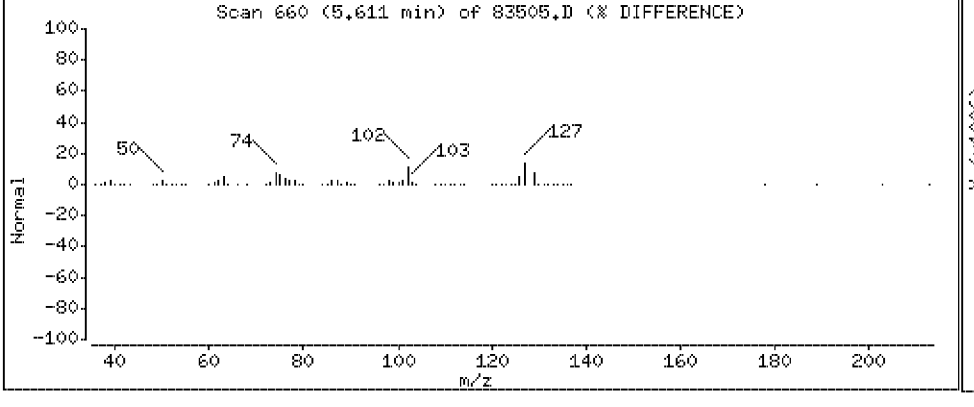












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

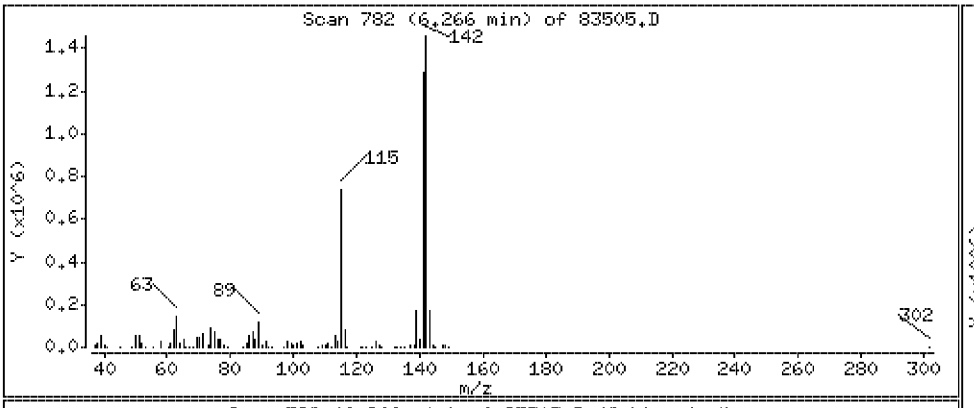
Operator: PEL

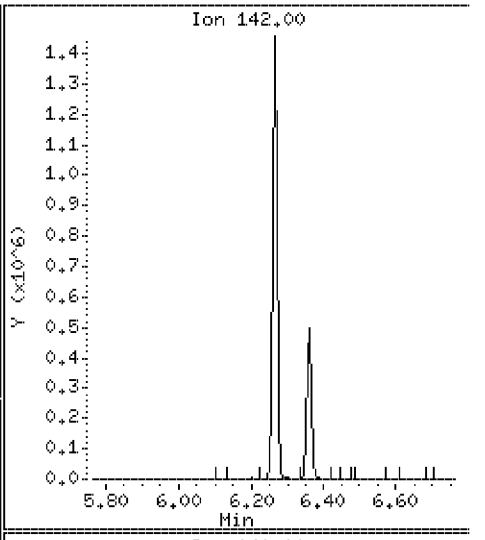
Column phase: HPMS-5

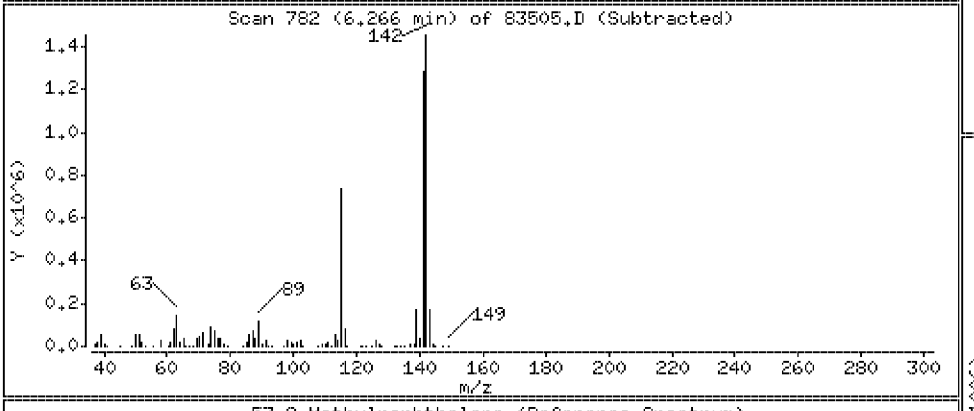
Column diameter: 0.25

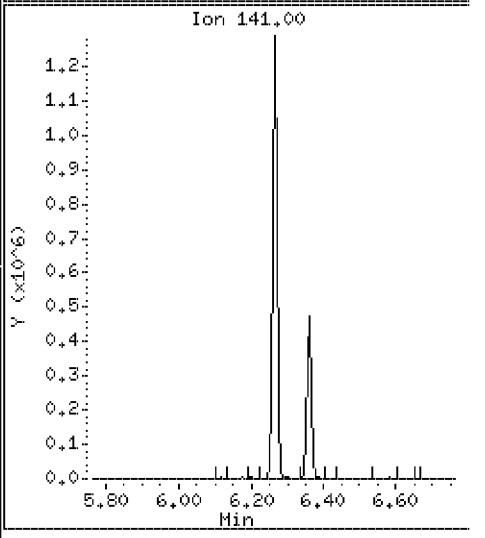
53 2-Methylnaphthalene

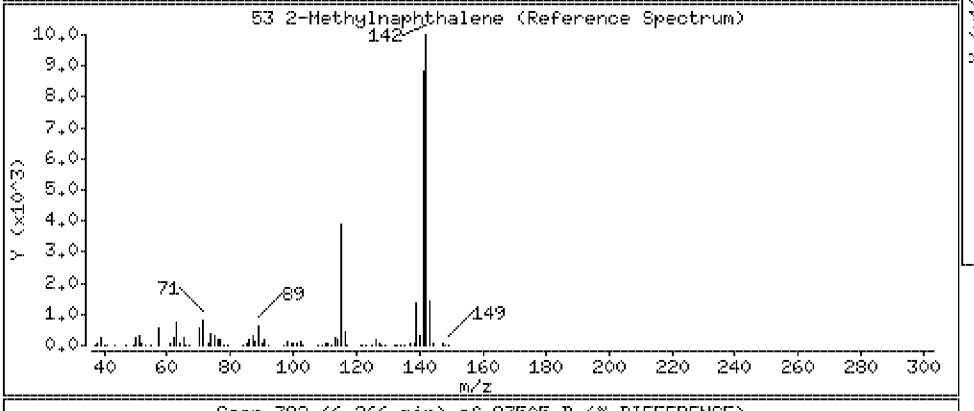
Concentration: 2180000 ug/kg

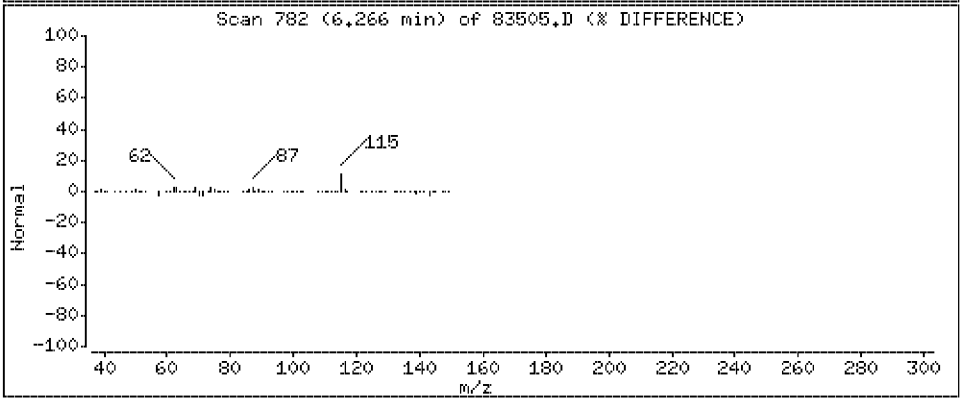












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

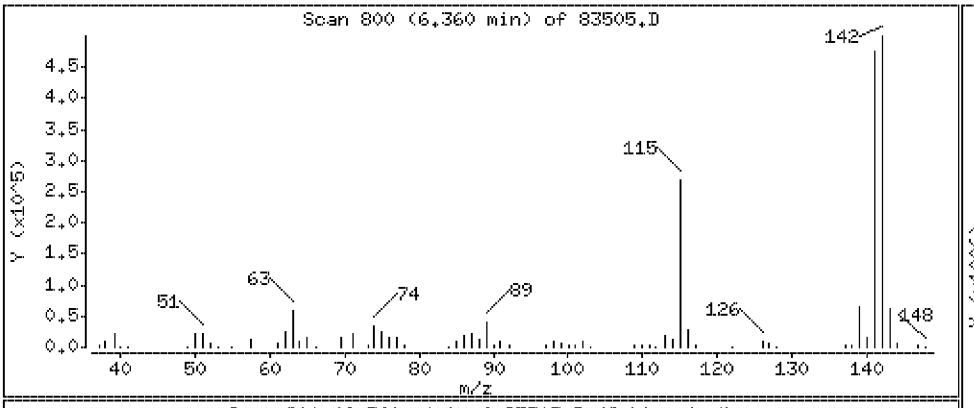
Operator: PEL

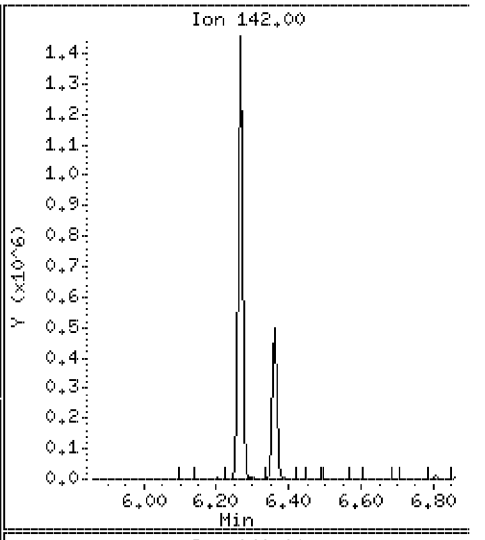
Column phase: HPMS-5

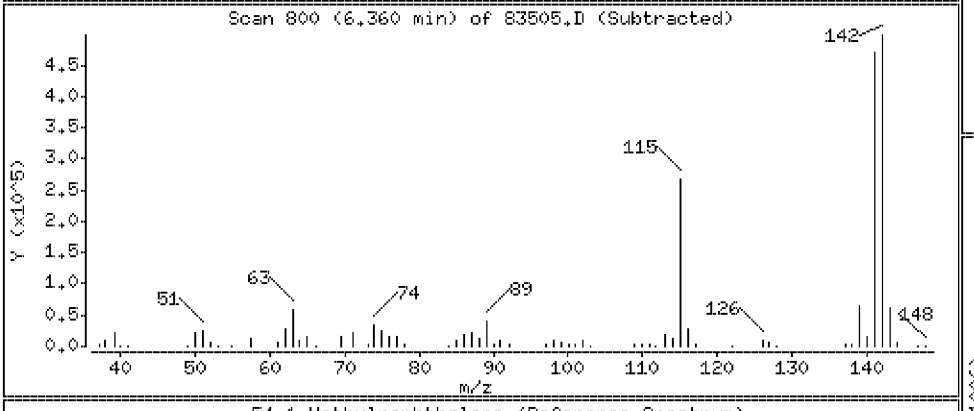
Column diameter: 0.25

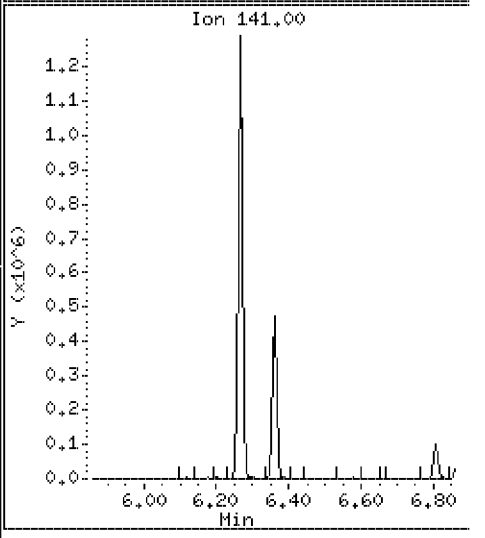
54 1-Methylnaphthalene

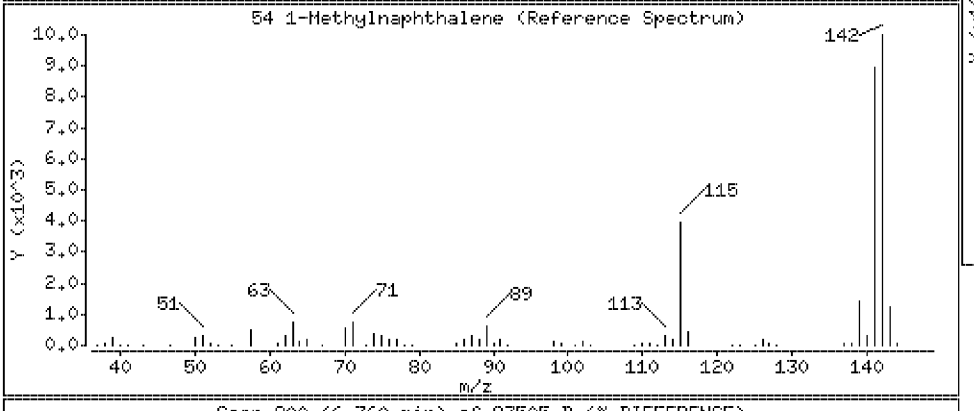
Concentration: 883000 ug/kg

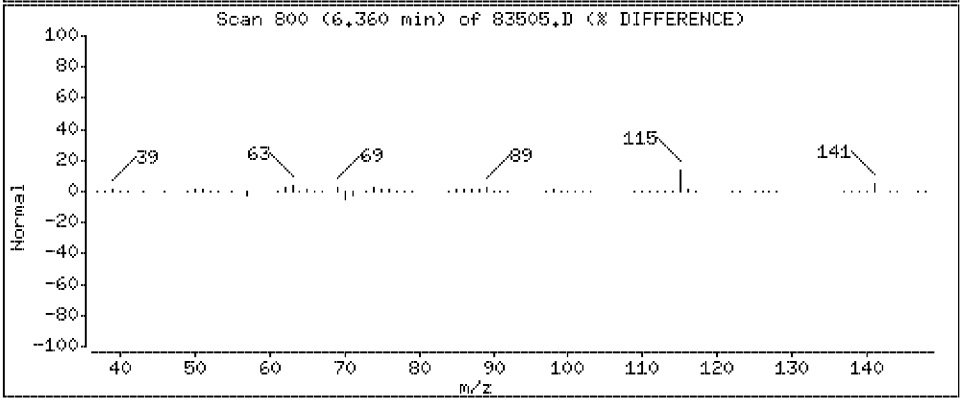












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

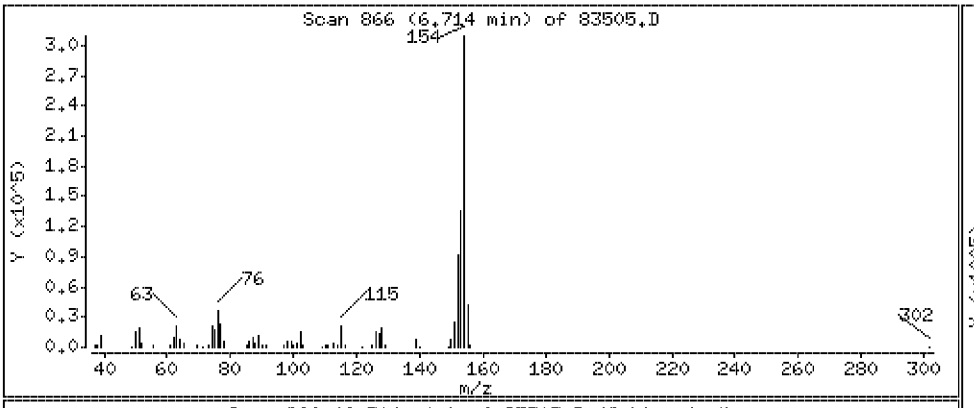
Operator: PEL

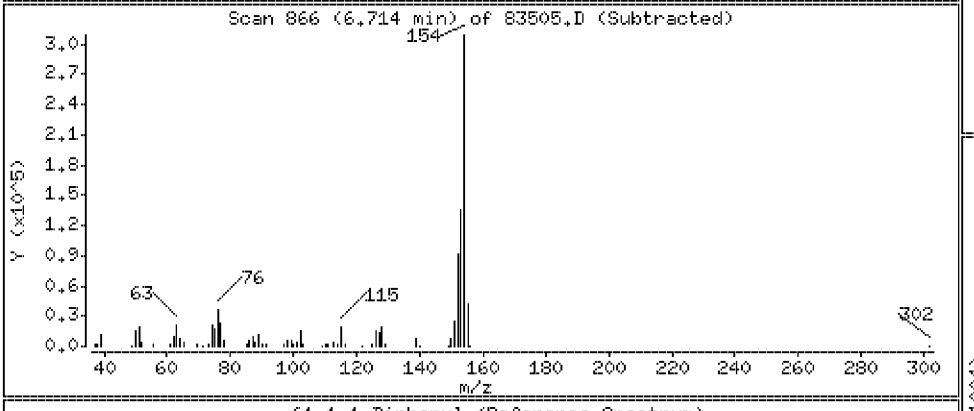
Column phase: HPMS-5

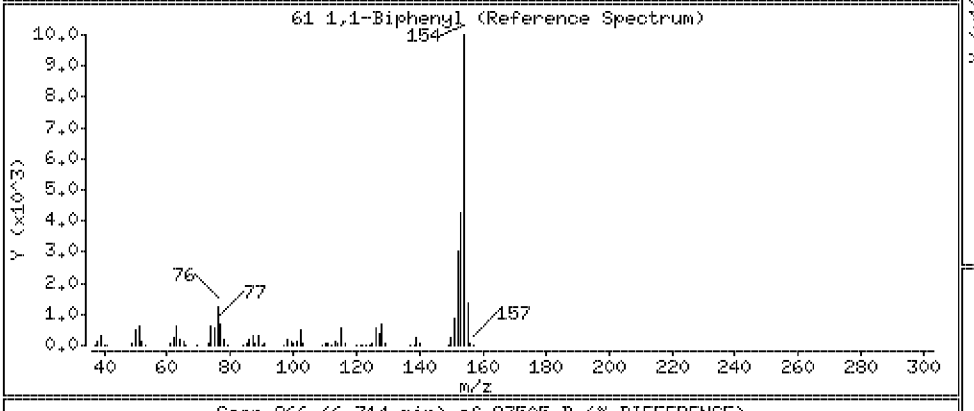
Column diameter: 0.25

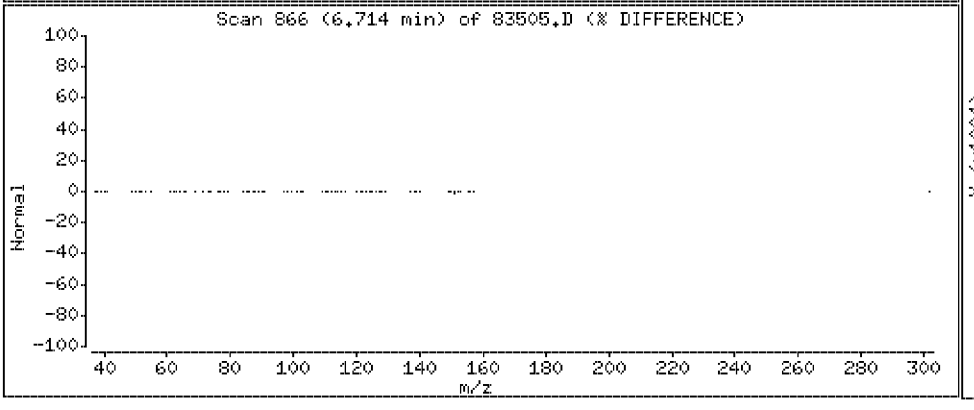
61 1,1-Biphenyl

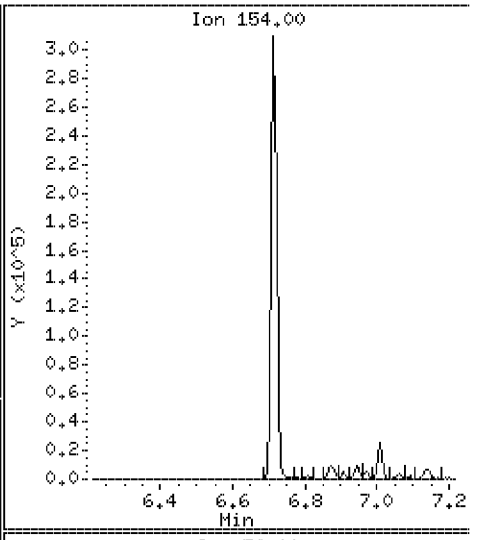
Concentration: 317000 ug/kg

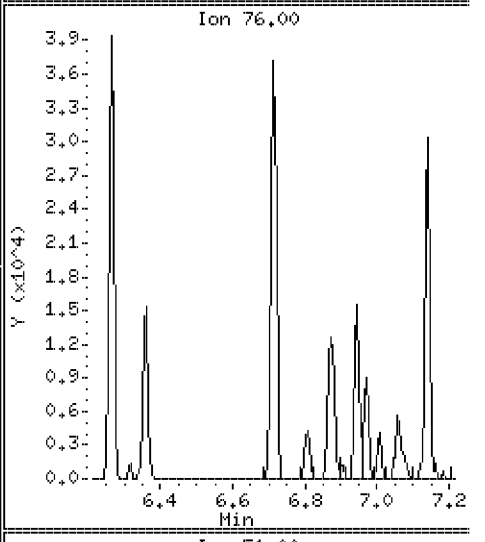


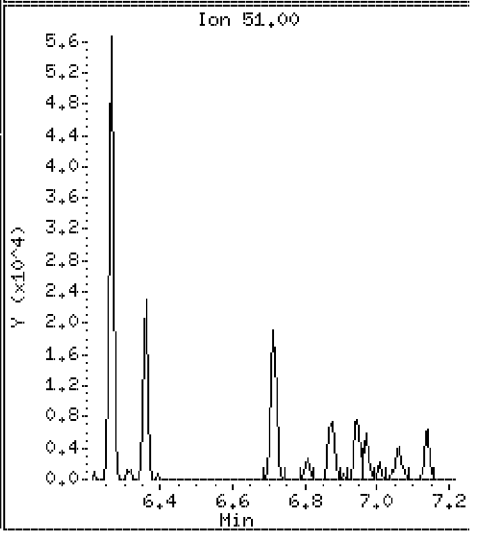












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

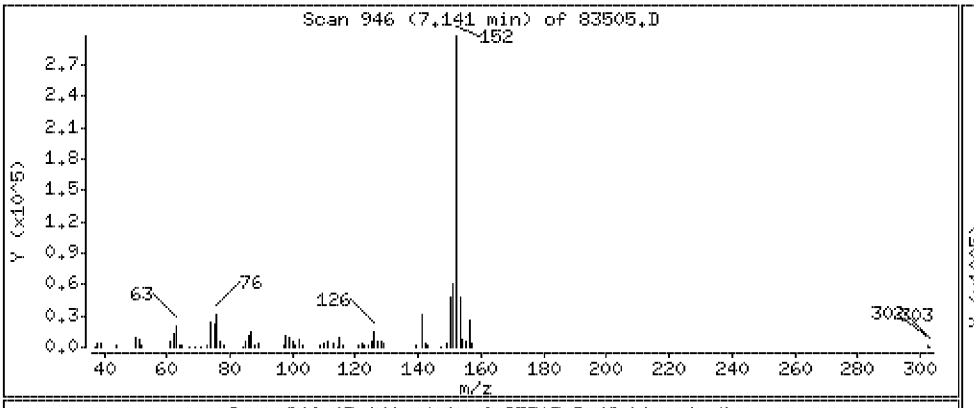
Operator: PEL

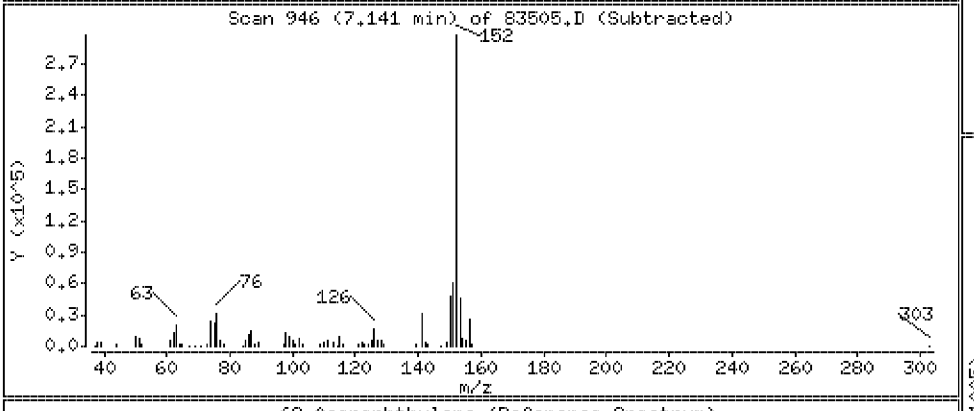
Column phase: HPMS-5

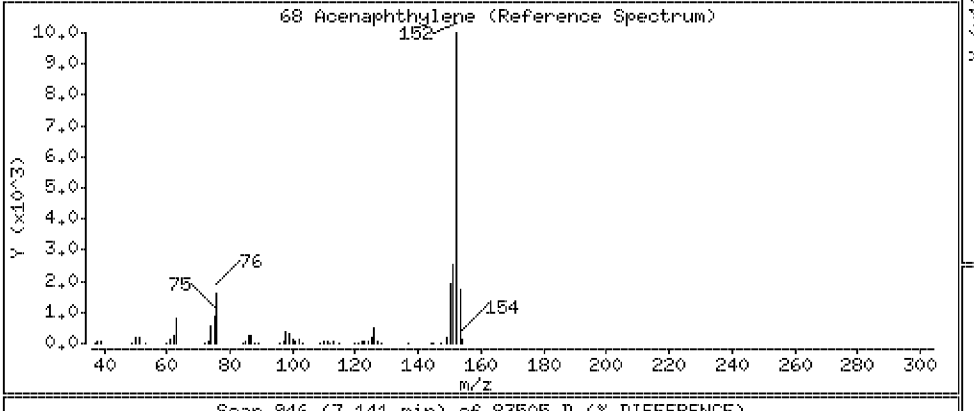
Column diameter: 0.25

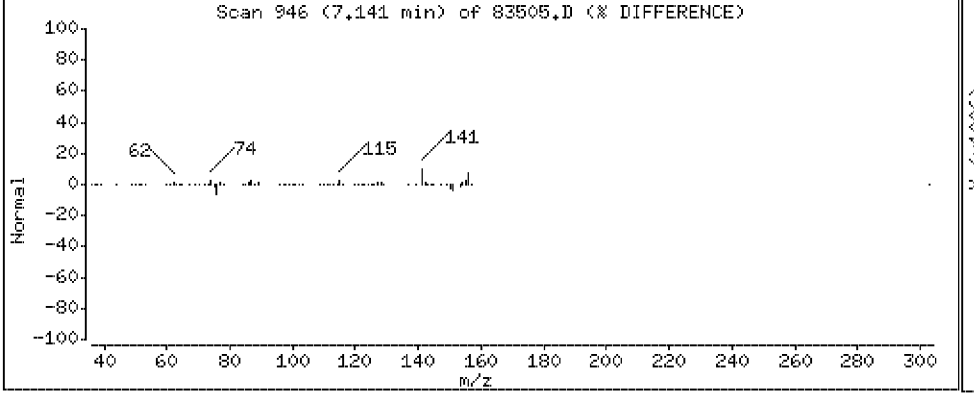
68 Acenaphthylene

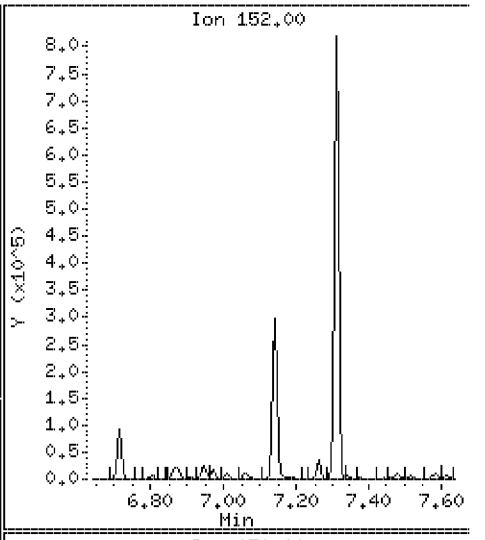
Concentration: 309000 ug/kg

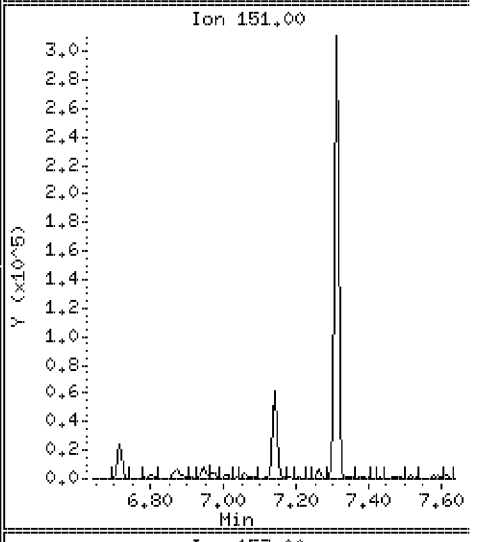


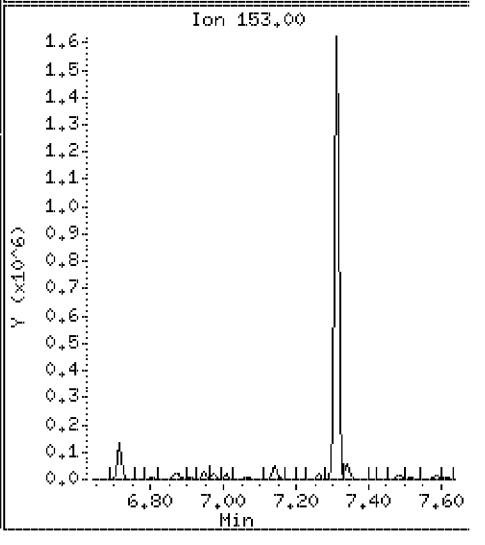












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

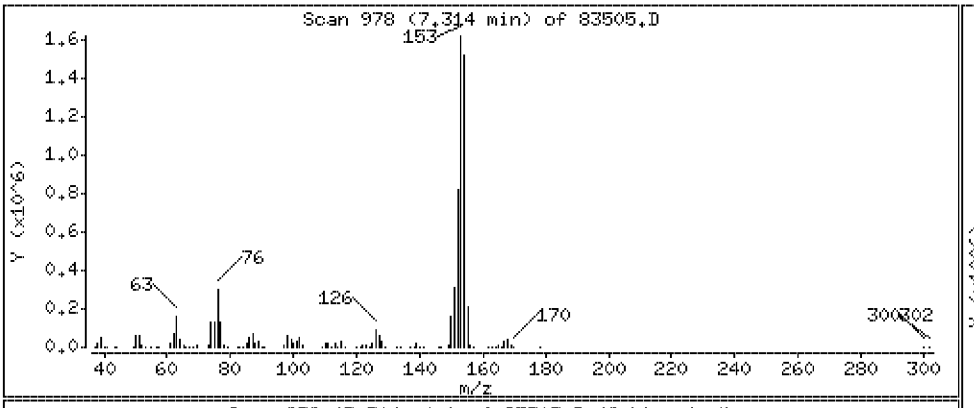
Operator: PEL

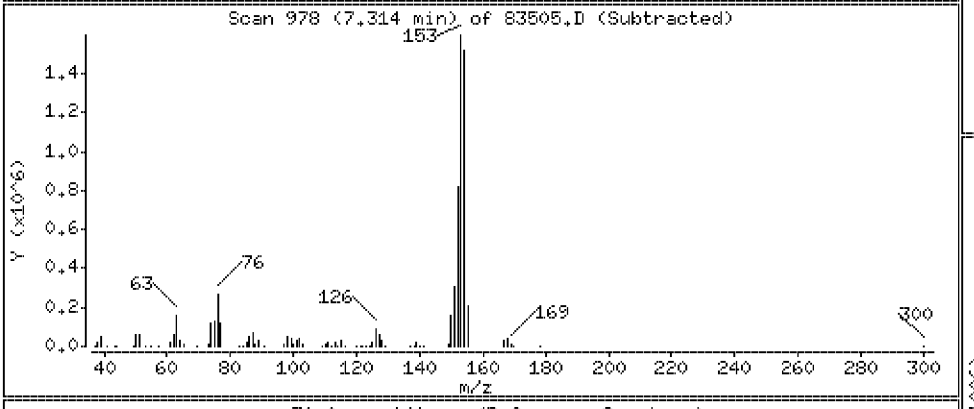
Column phase: HPMS-5

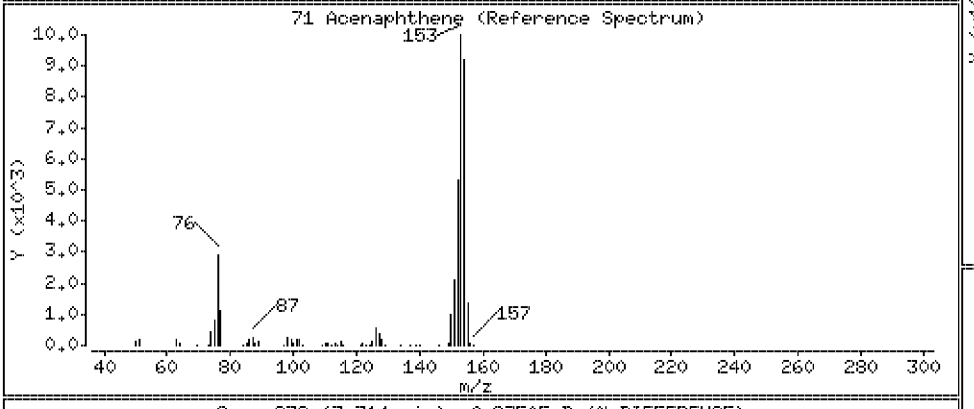
Column diameter: 0.25

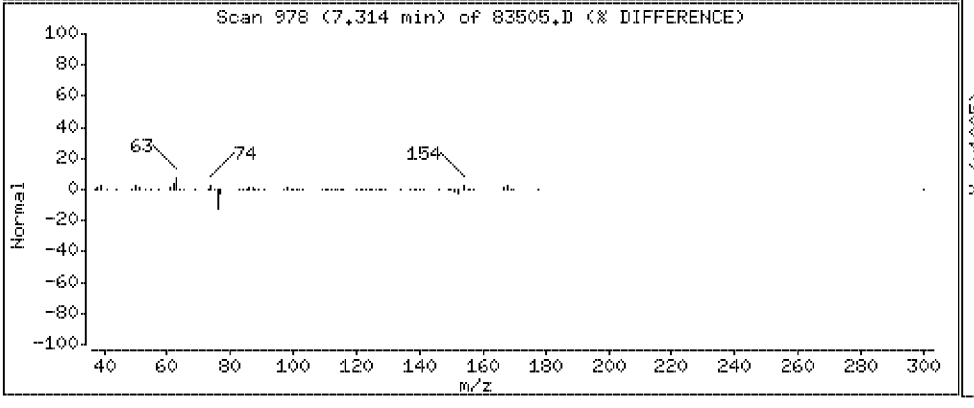
71 Acenaphthene

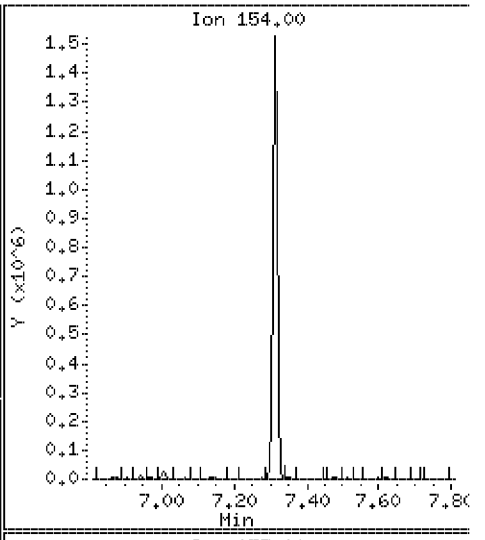
Concentration: 2320000 ug/kg

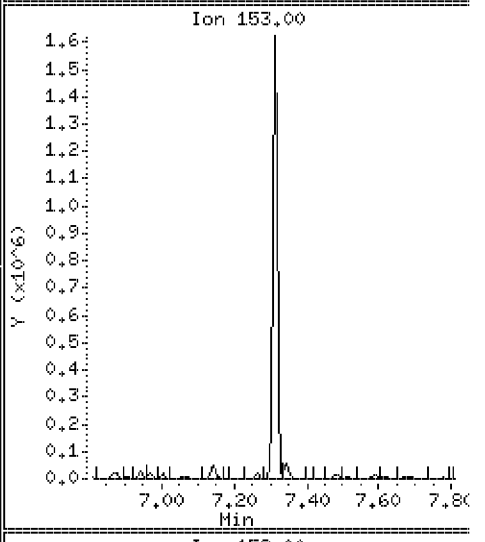


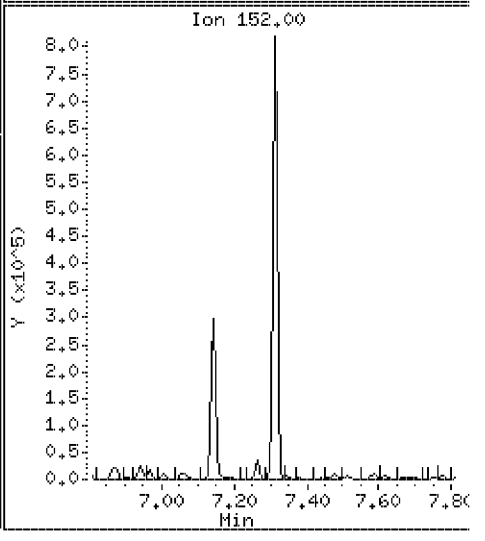












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

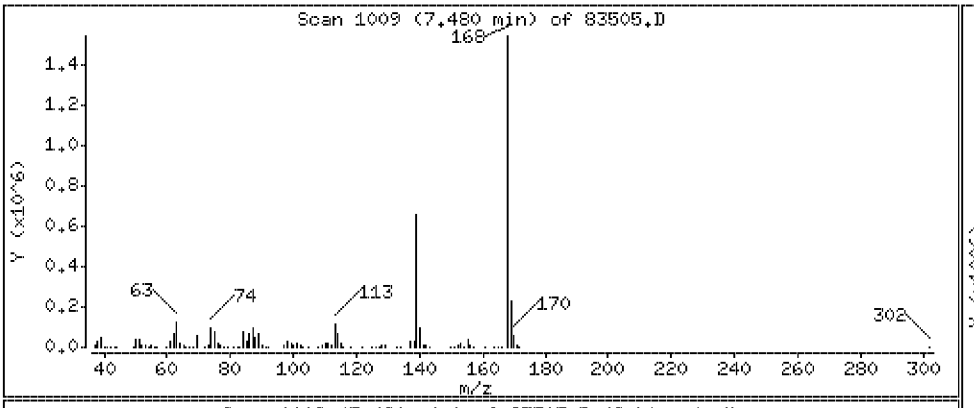
Operator: PEL

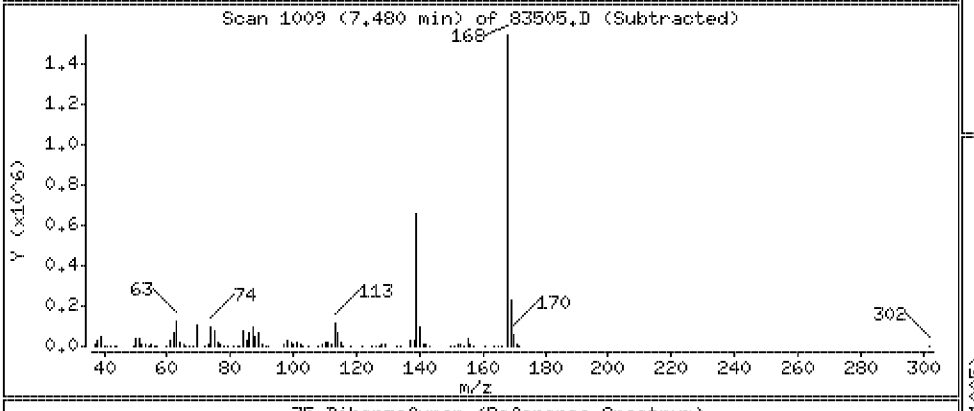
Column phase: HPMS-5

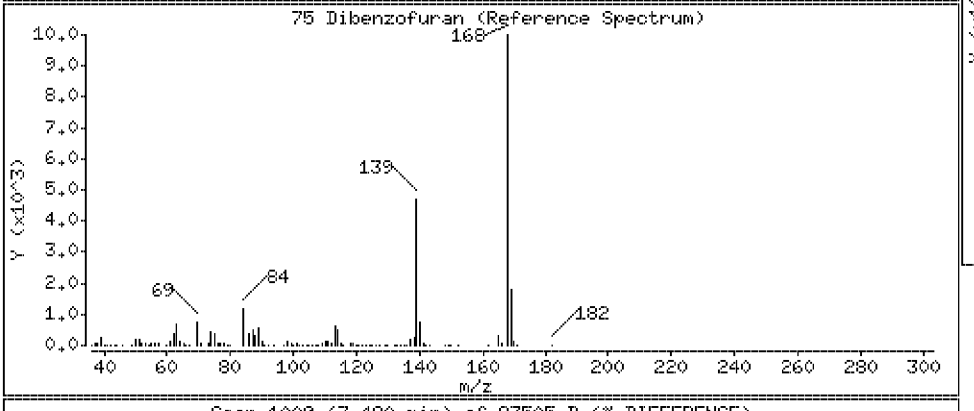
Column diameter: 0.25

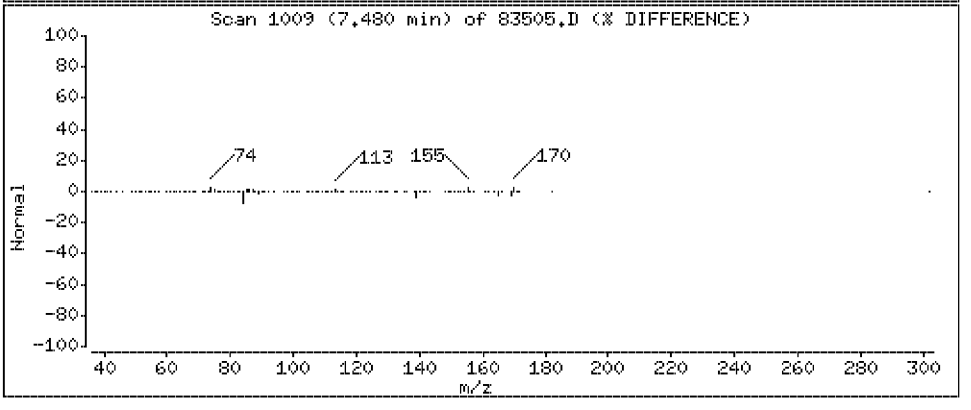
75 Dibenzofuran

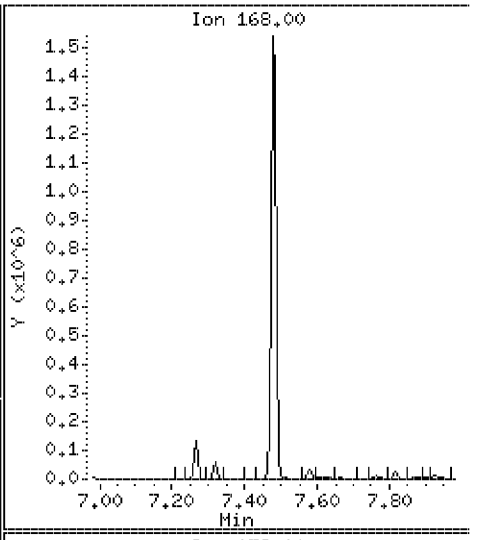
Concentration: 1610000 ug/kg

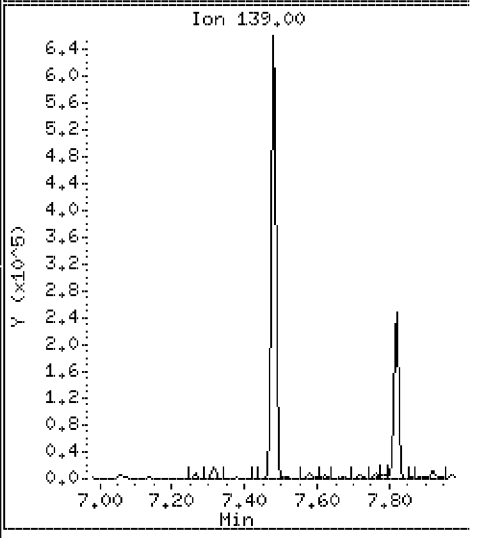












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

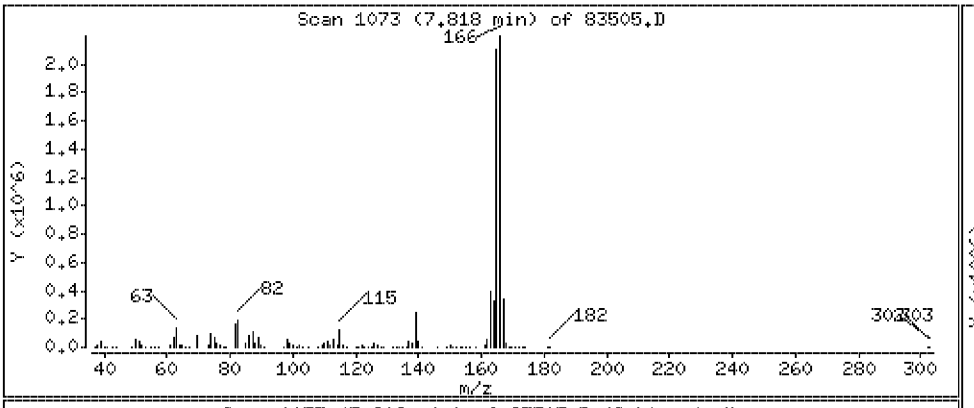
Operator: PEL

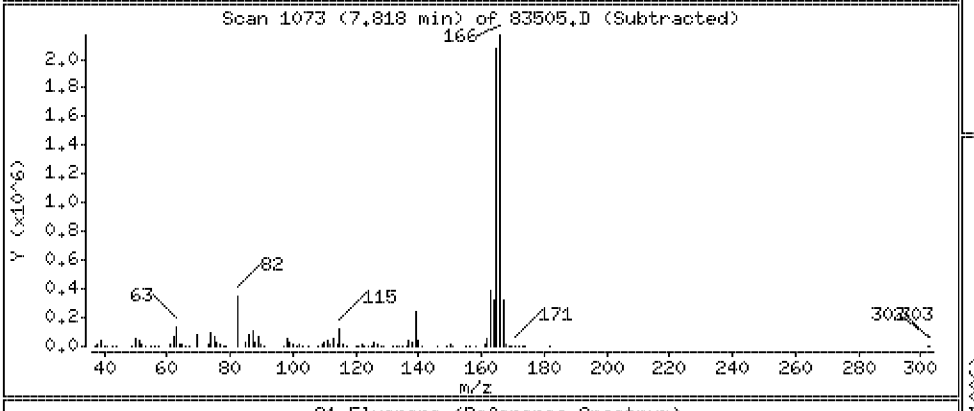
Column phase: HPMS-5

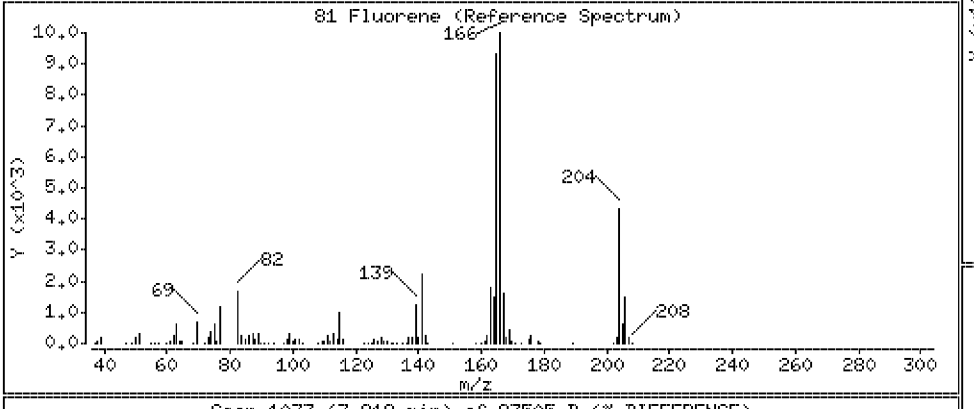
Column diameter: 0.25

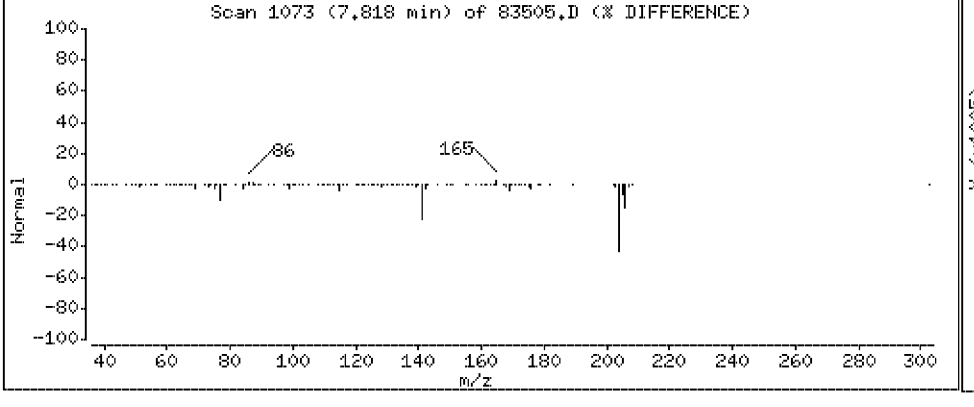
81 Fluorene

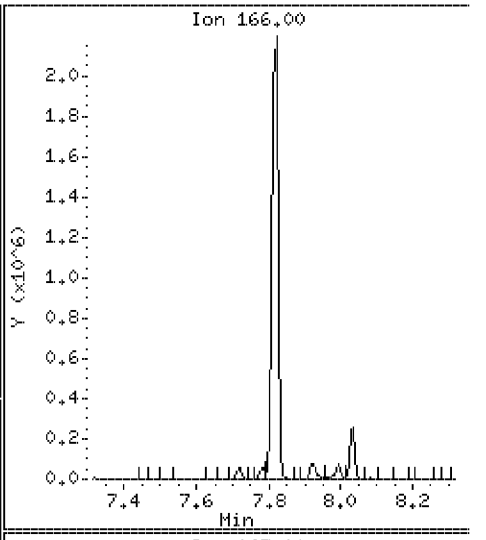
Concentration: 2610000 ug/kg

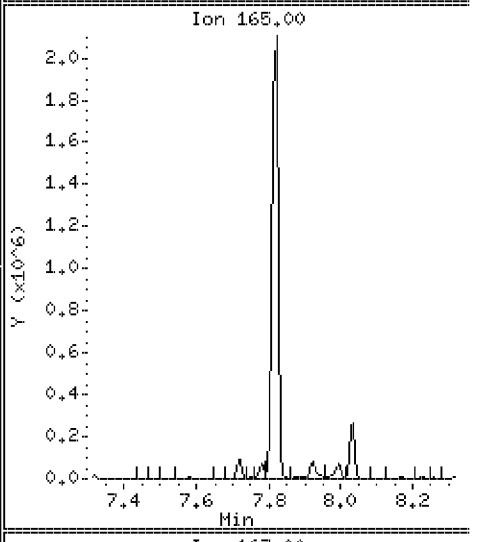


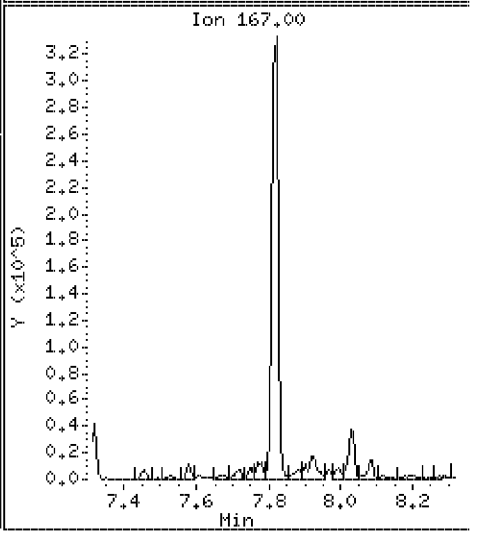












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

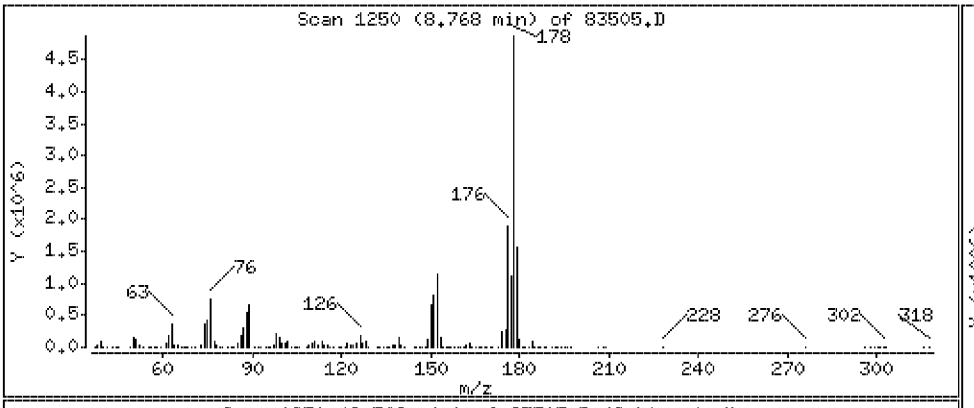
Operator: PEL

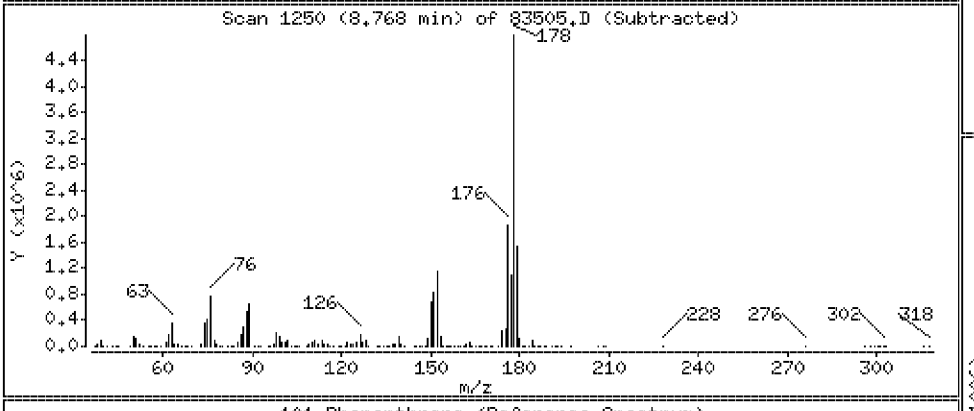
Column phase: HPMS-5

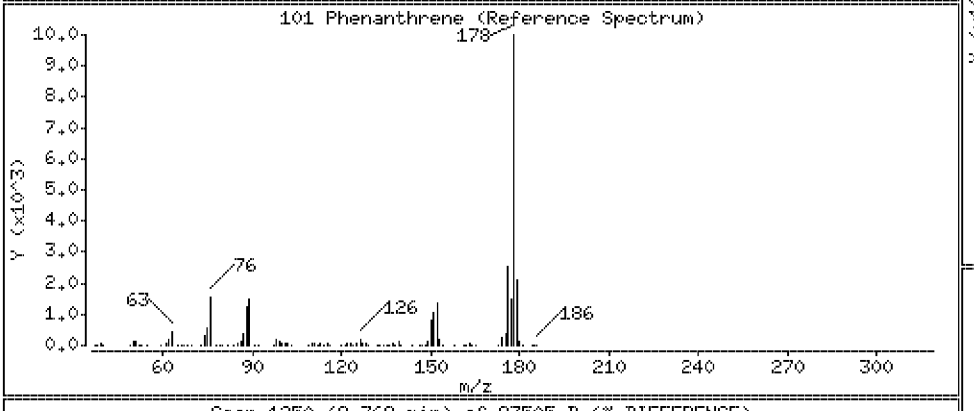
Column diameter: 0.25

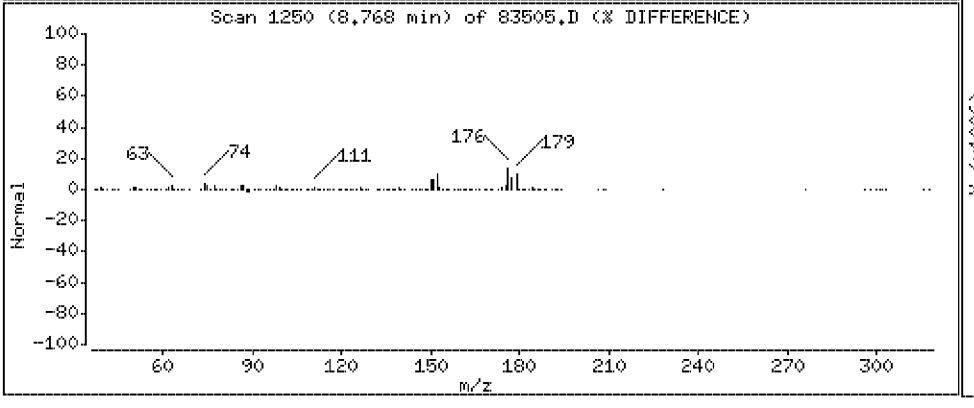
101 Phenanthrene

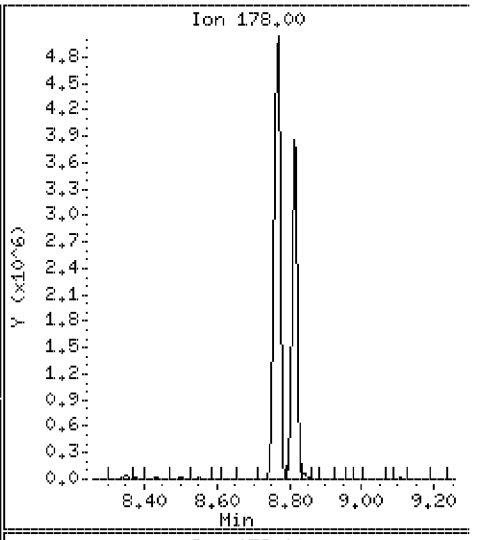
Concentration: 5960000 ug/kg

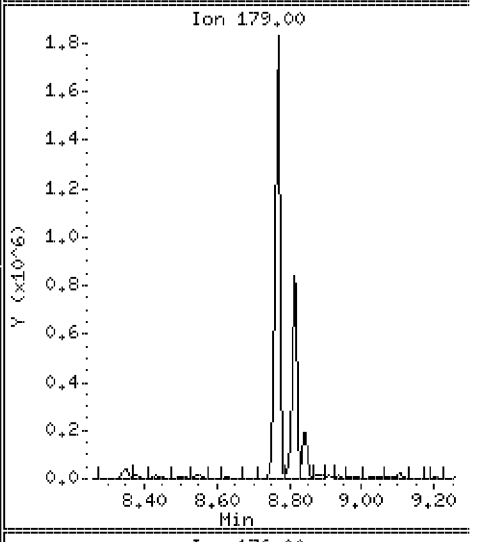


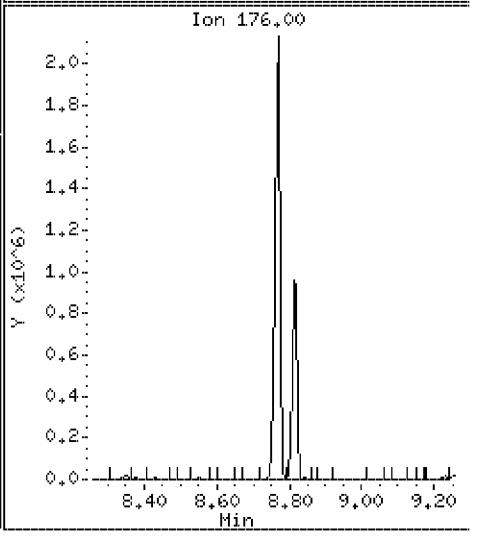












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

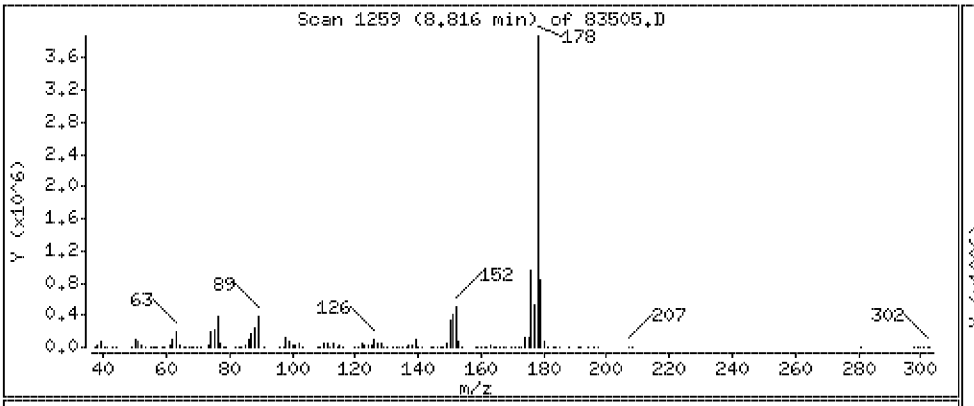
Operator: PEL

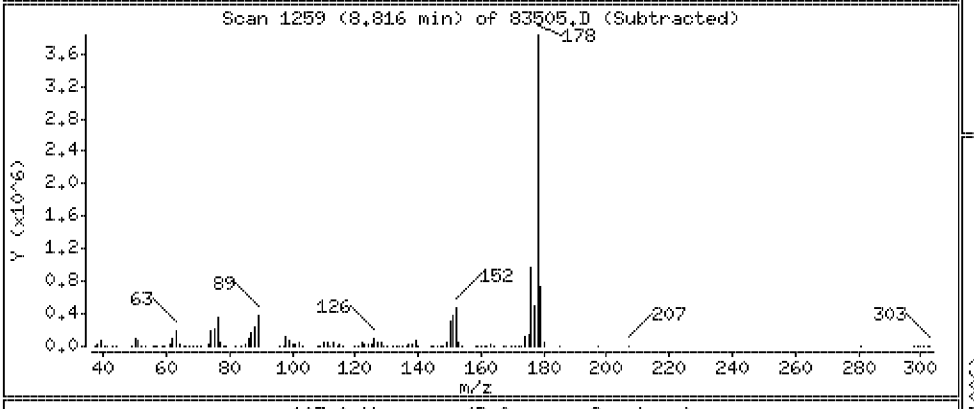
Column phase: HPMS-5

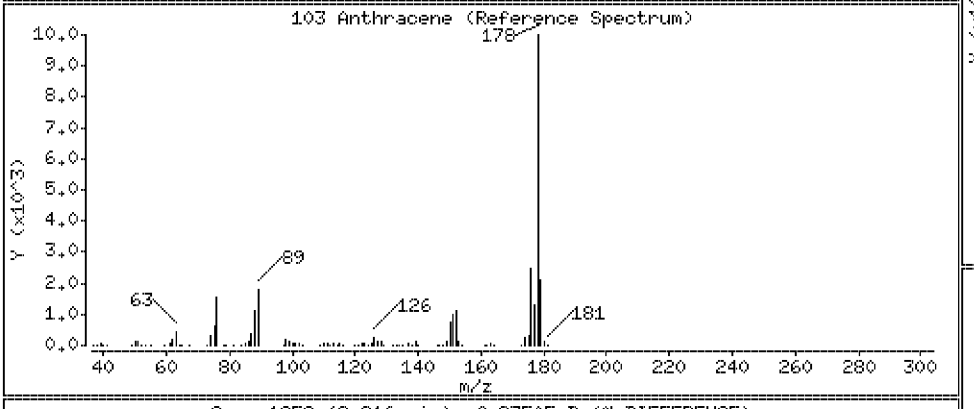
Column diameter: 0.25

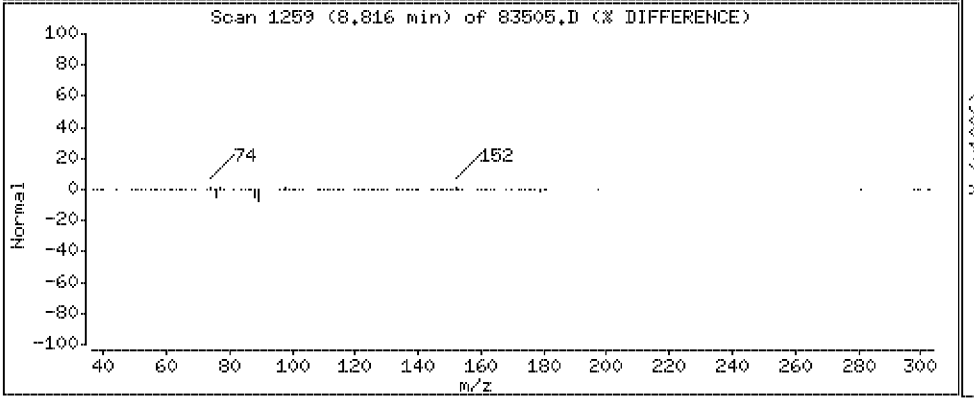
103 Anthracene

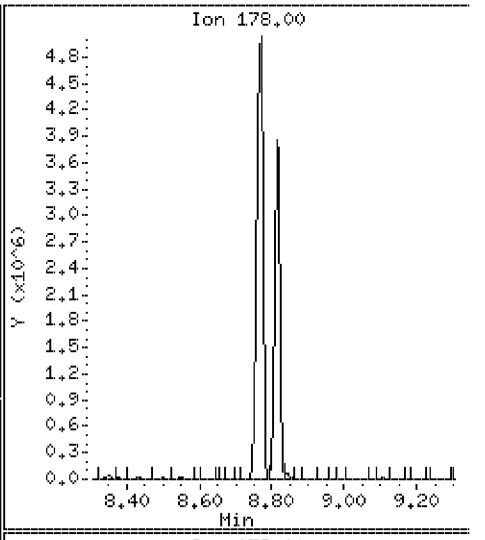
Concentration: 3680000 ug/kg

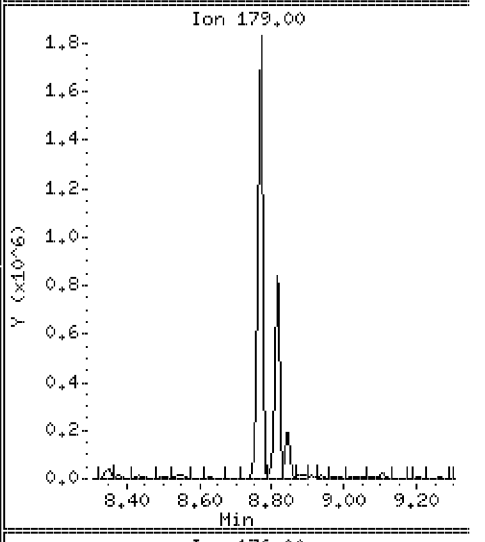


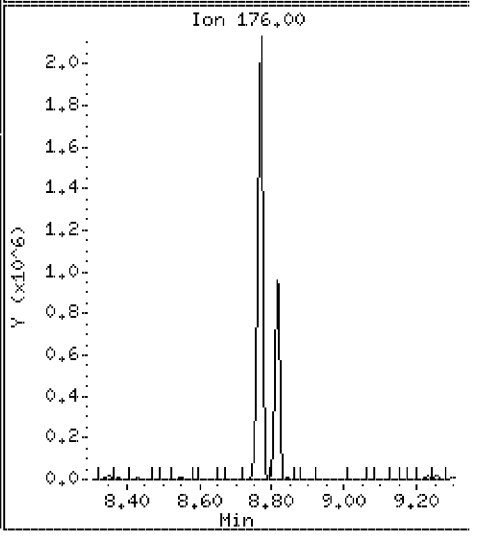












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

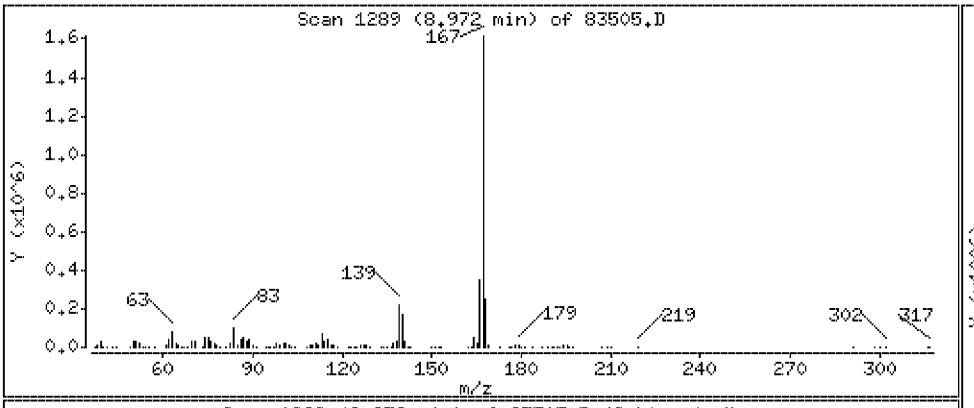
Operator: PEL

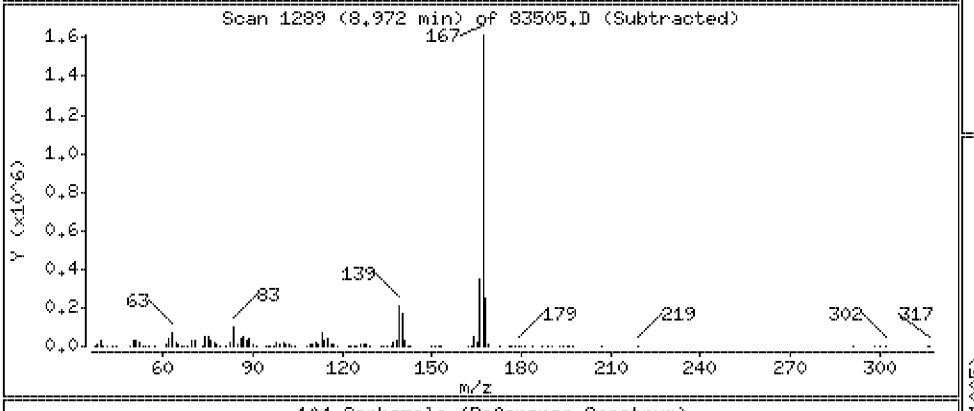
Column phase: HPMS-5

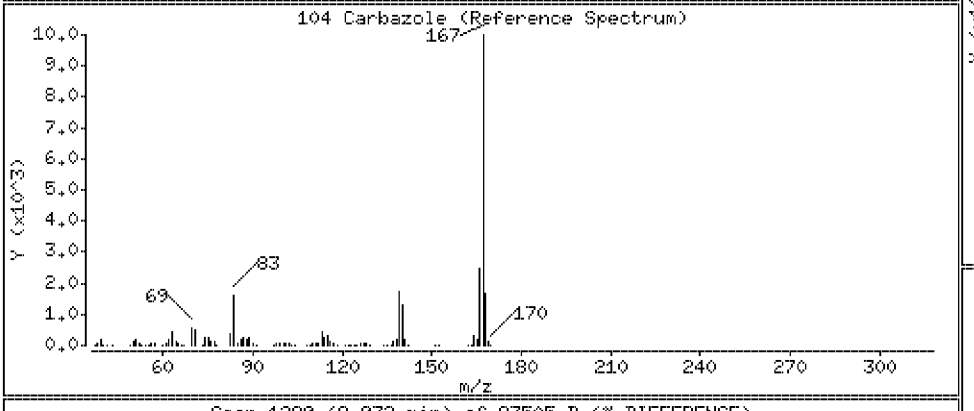
Column diameter: 0.25

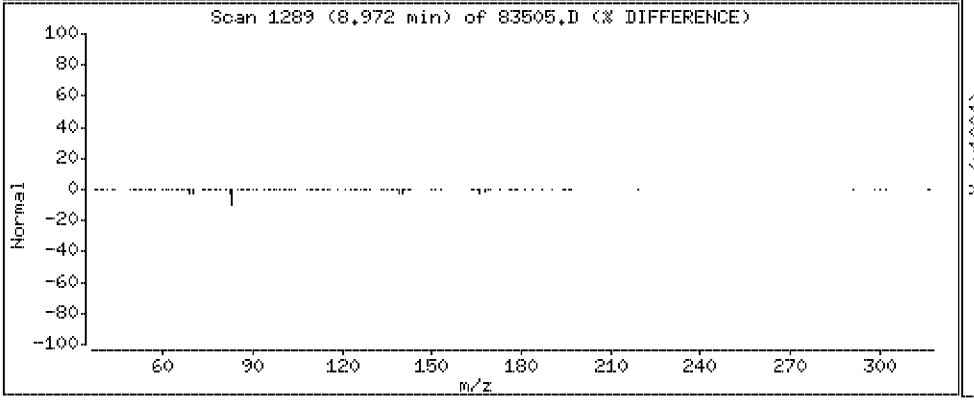
104 Carbazole

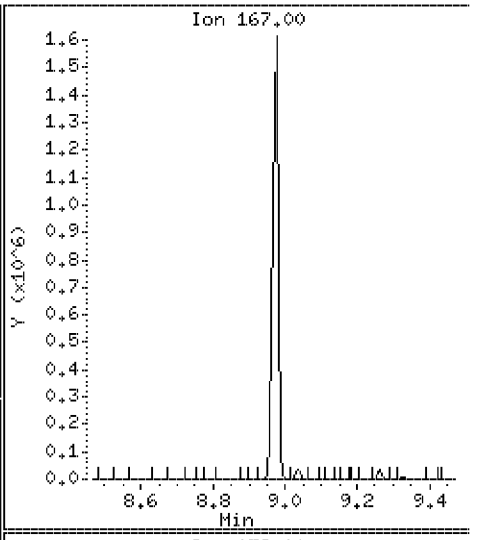
Concentration: 1640000 ug/kg

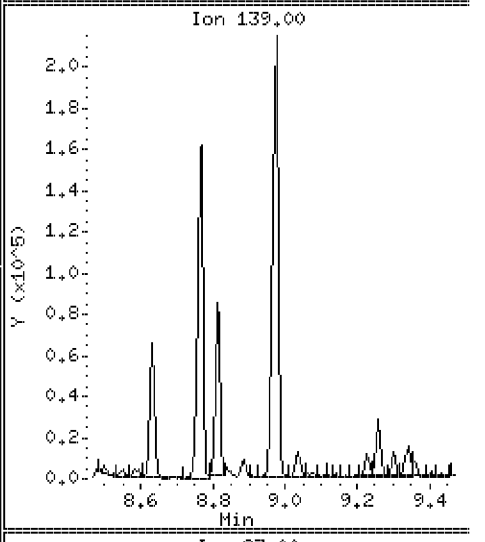


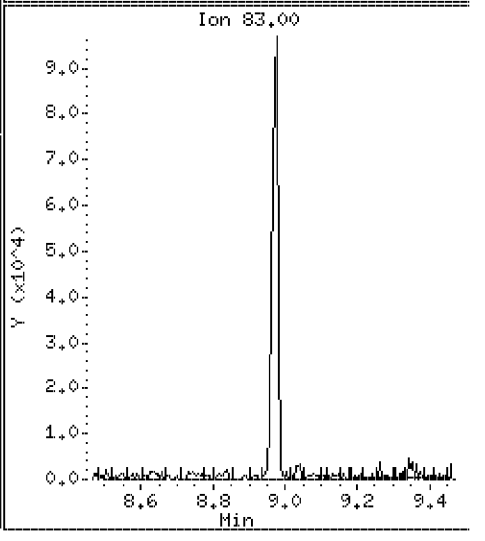












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

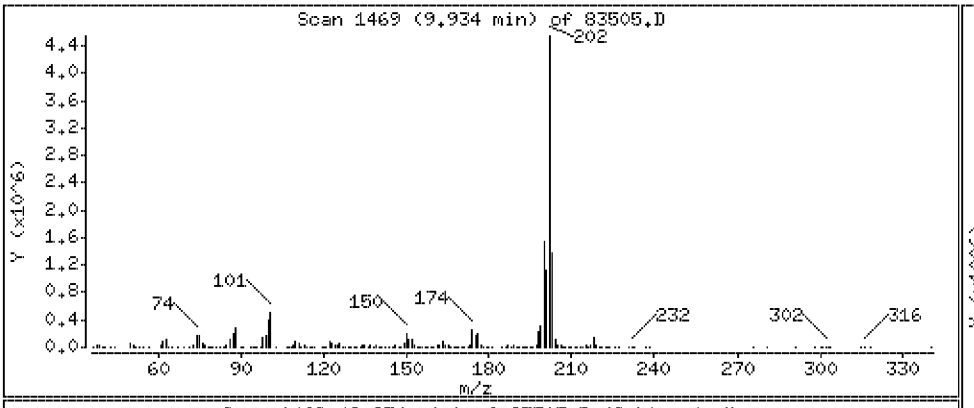
Operator: PEL

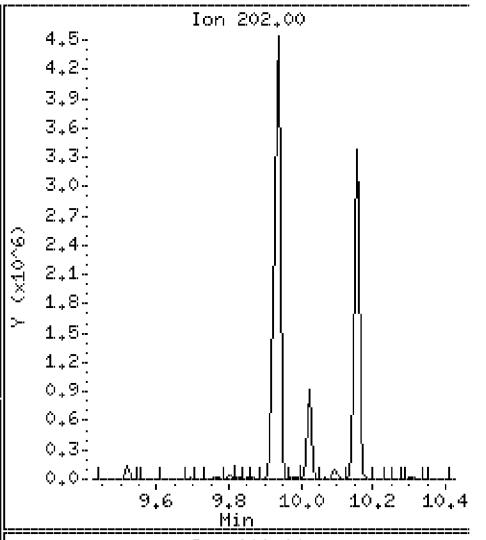
Column phase: HPMS-5

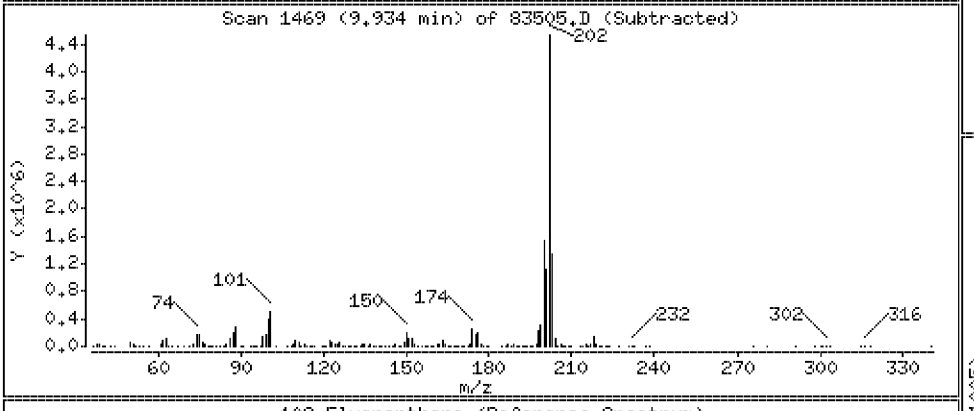
Column diameter: 0.25

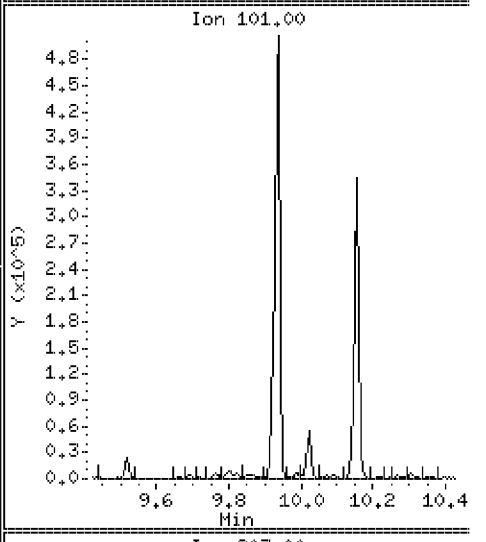
109 Fluoranthene

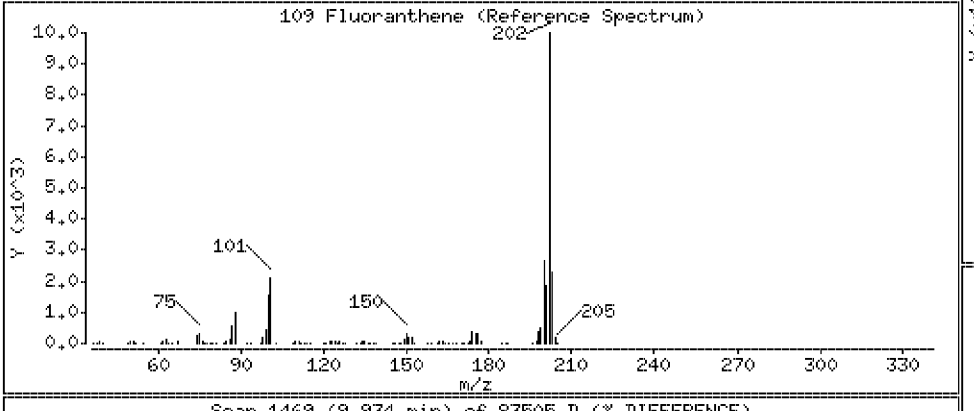
Concentration: 4100000 ug/kg

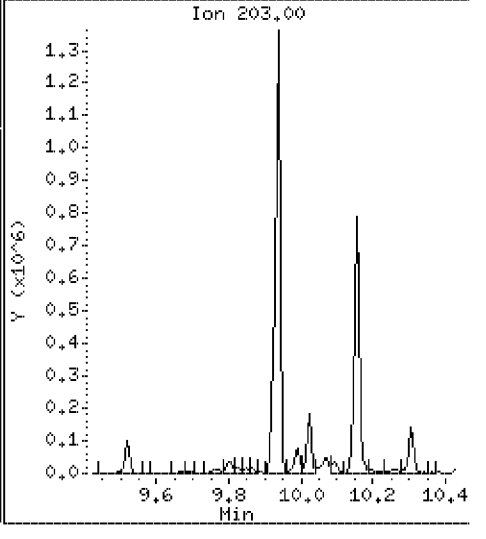


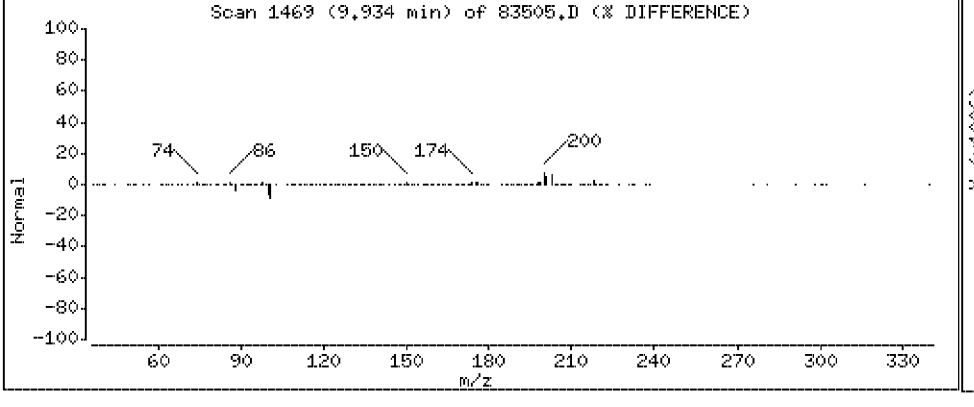












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

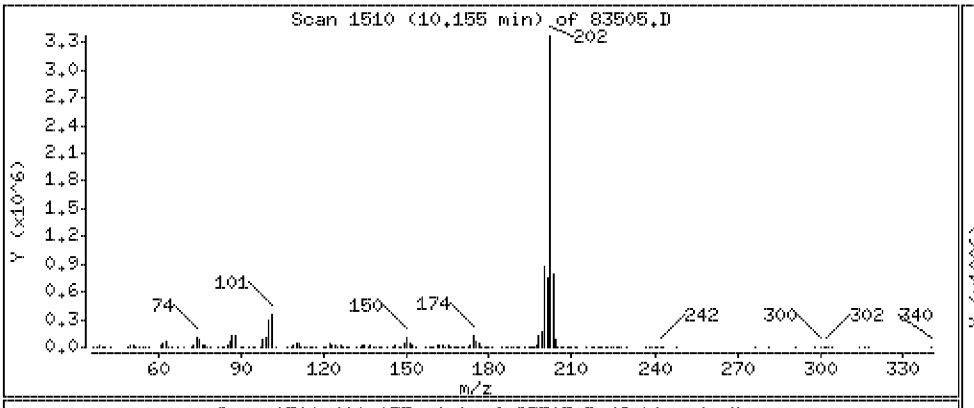
Operator: PEL

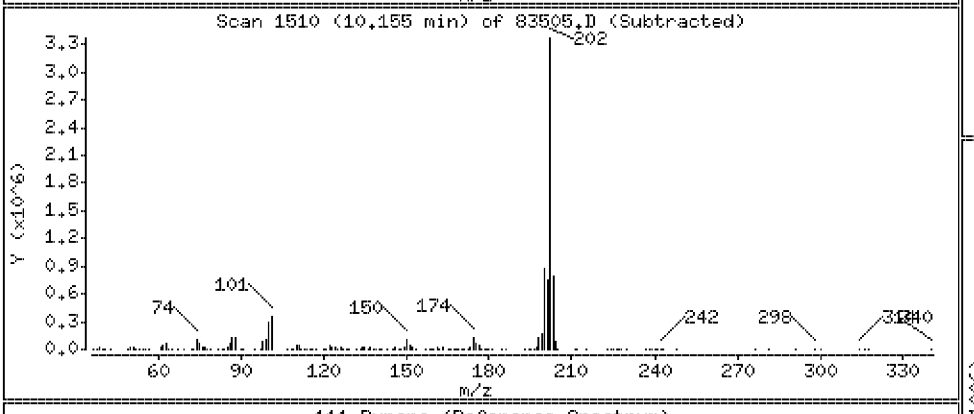
Column phase: HPMS-5

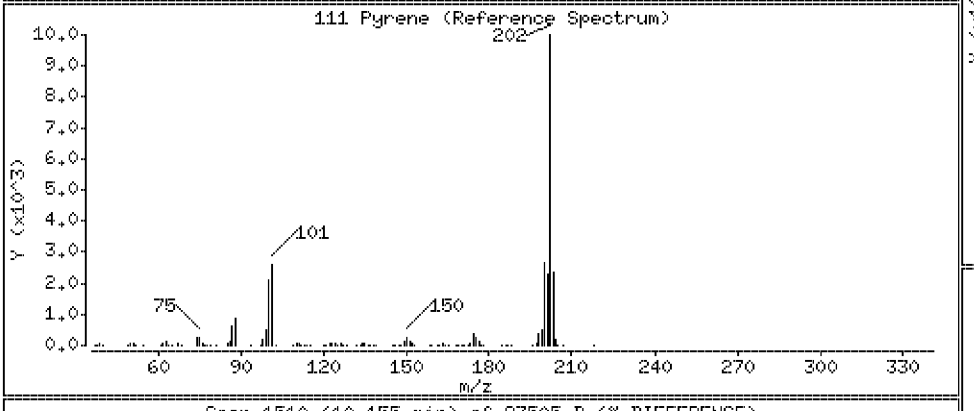
Column diameter: 0.25

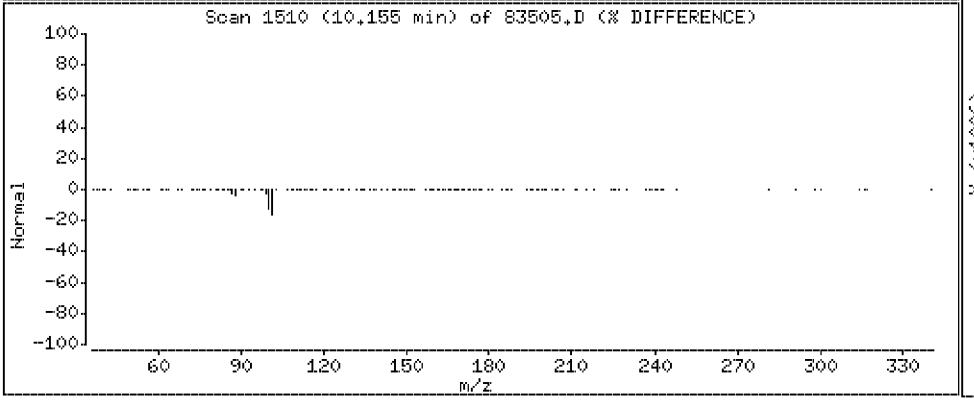
111 Pyrene

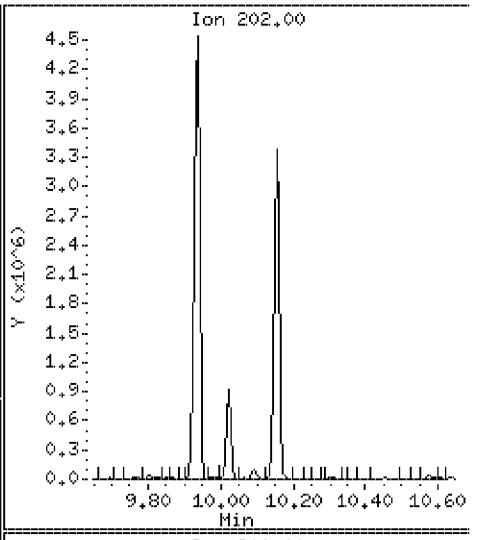
Concentration: 2700000 ug/kg

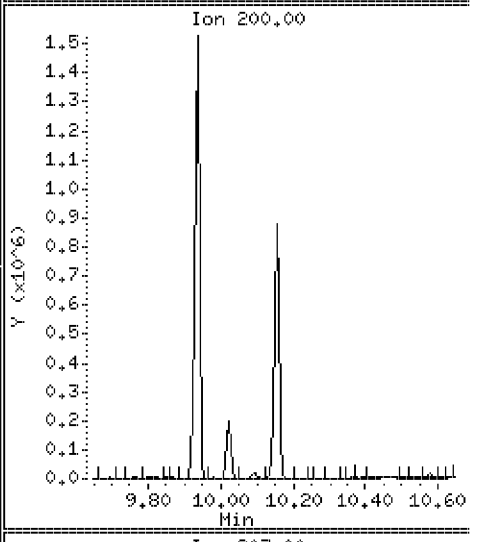


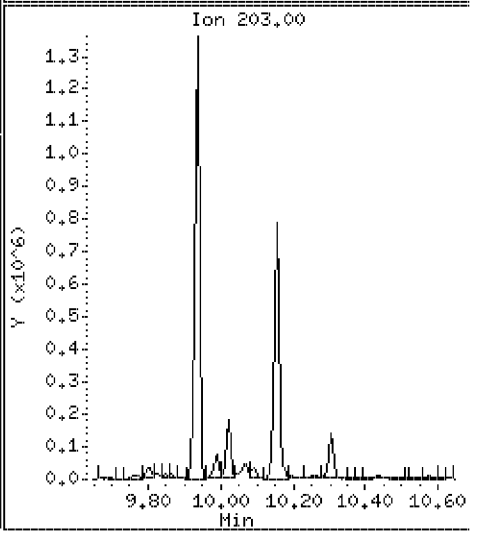












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

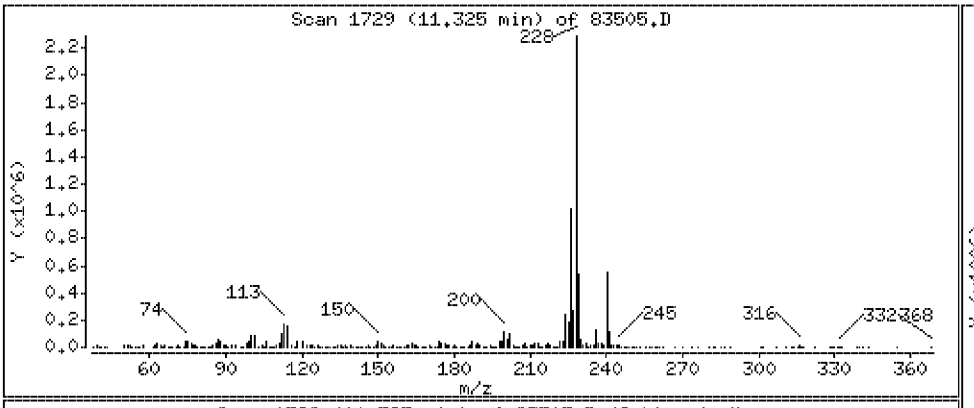
Operator: PEL

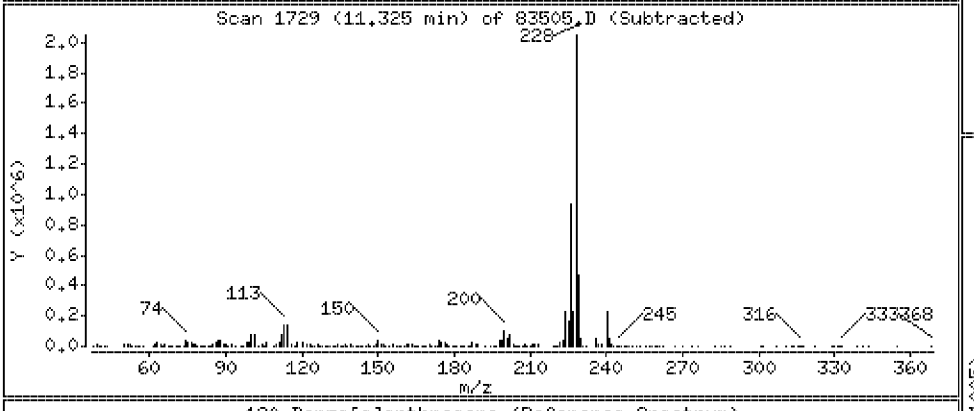
Column phase: HPMS-5

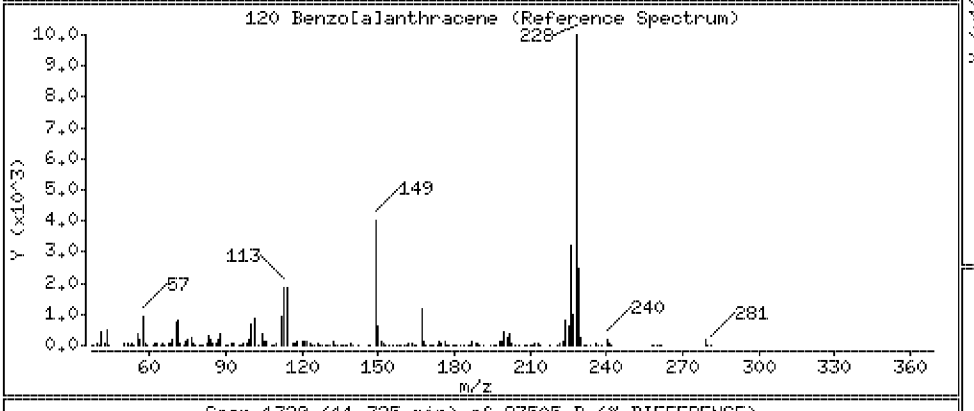
Column diameter: 0.25

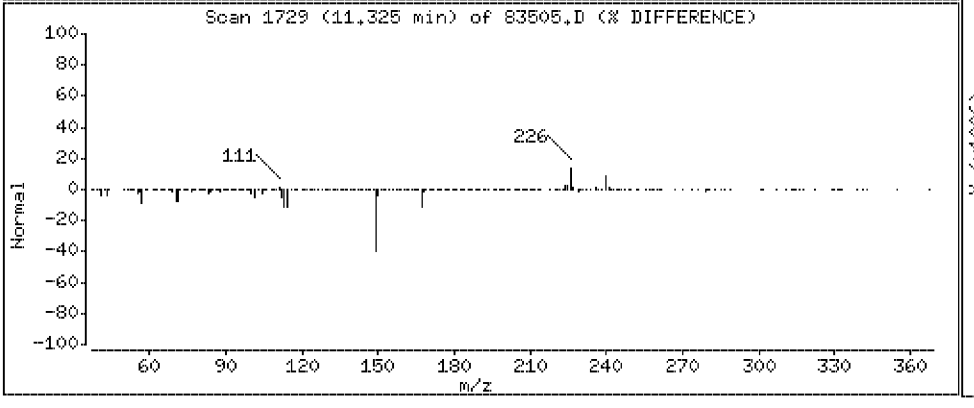
120 Benzo[a]anthracene

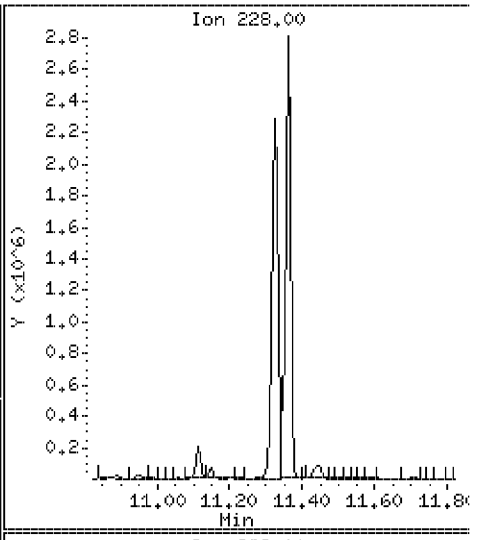
Concentration: 1740000 ug/kg

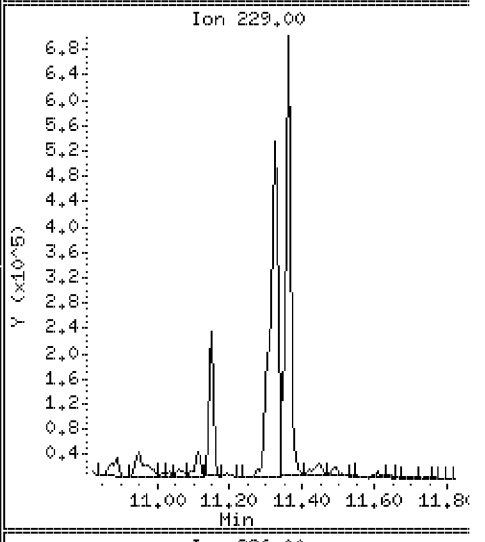


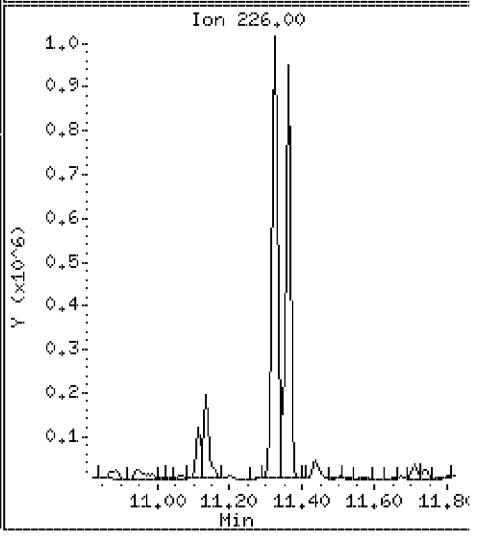












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

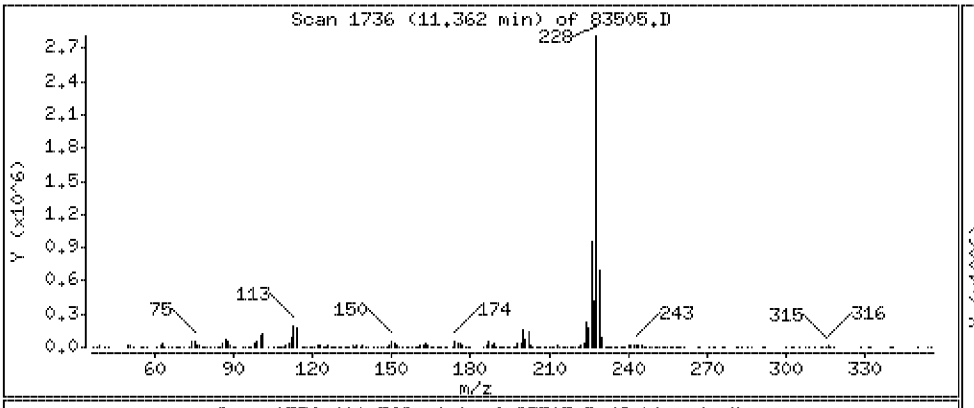
Operator: PEL

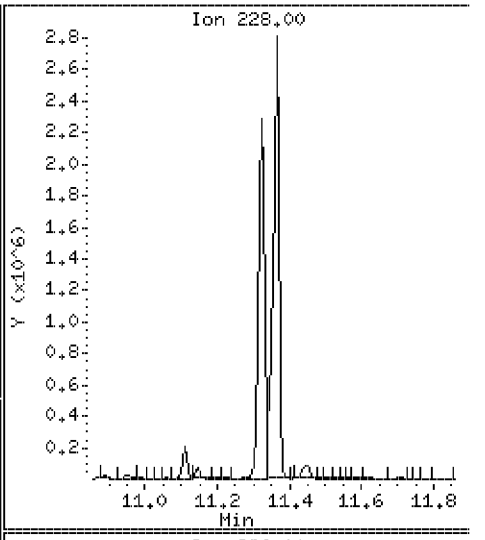
Column phase: HPMS-5

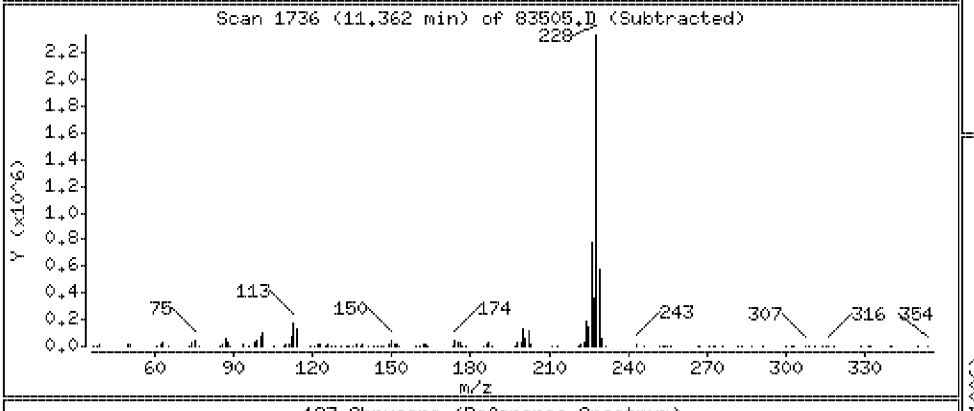
Column diameter: 0.25

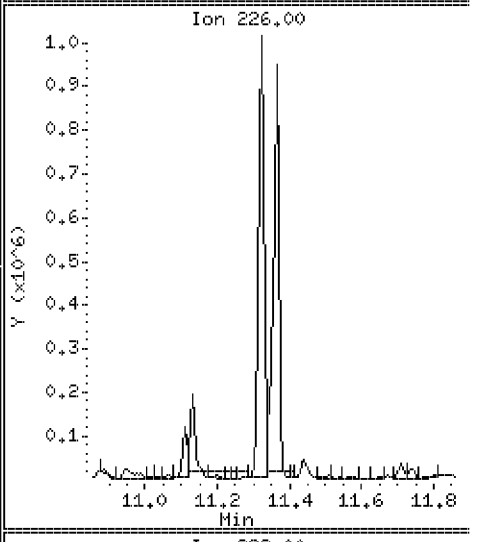
123 Chrysene

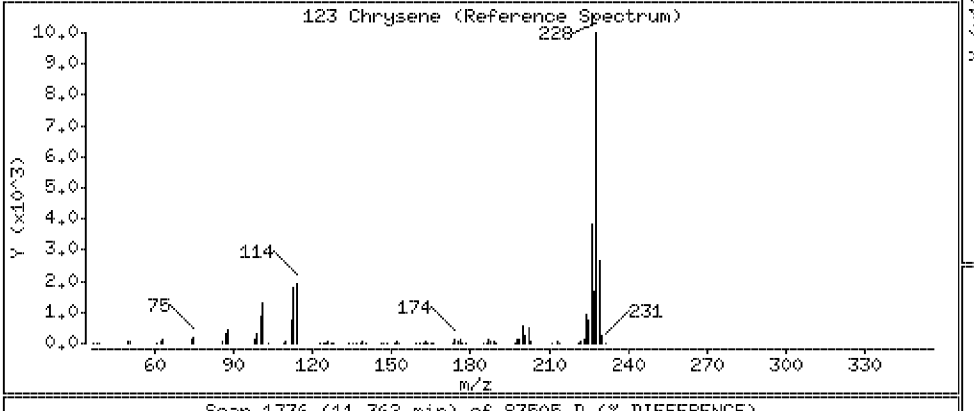
Concentration: 1920000 ug/kg

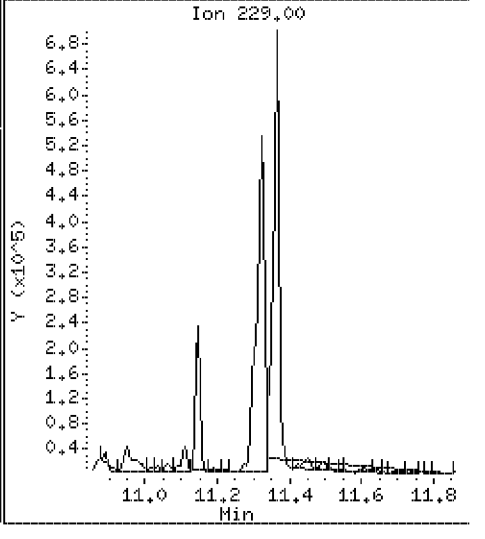


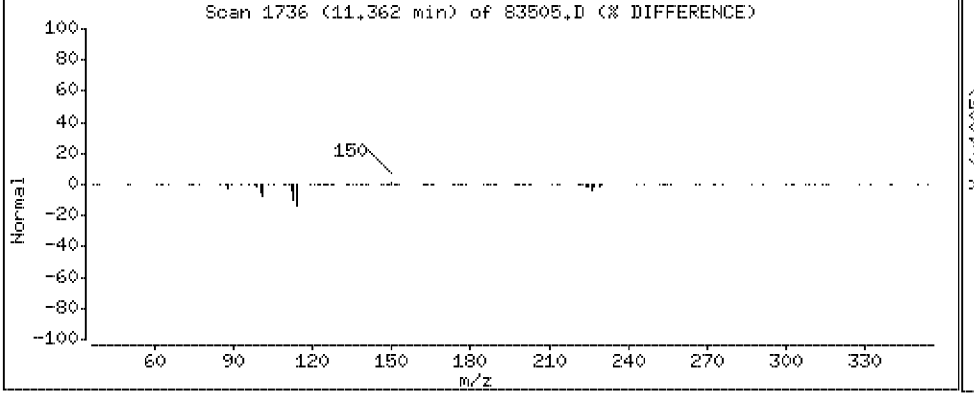












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

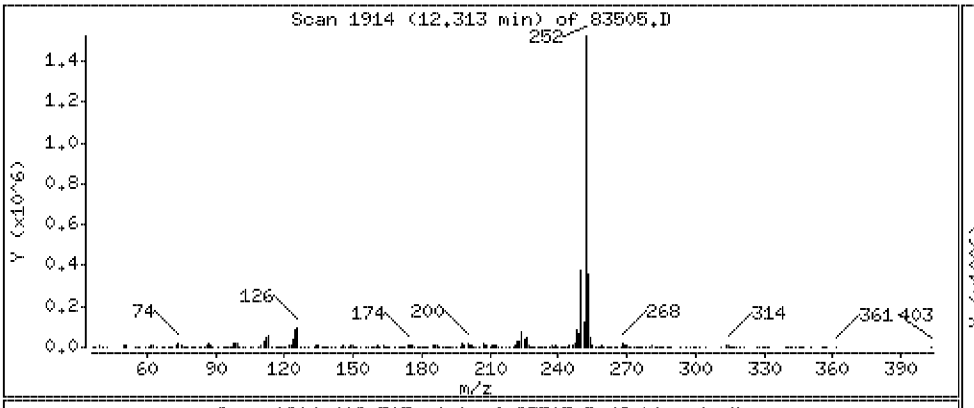
Operator: PEL

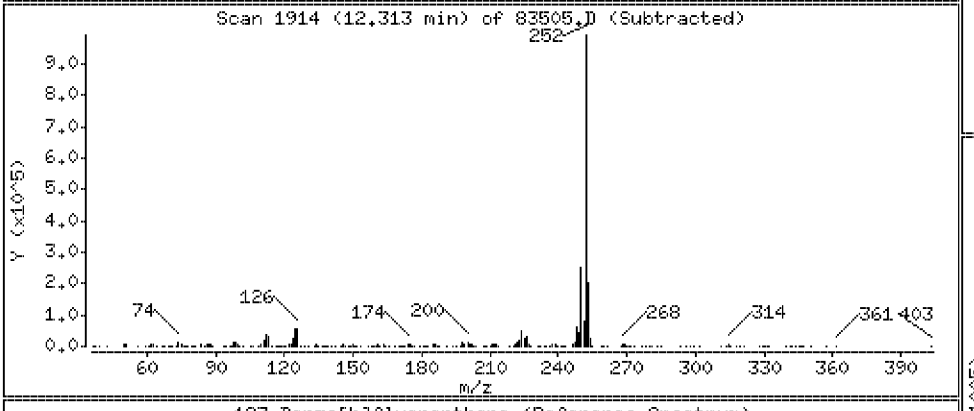
Column phase: HPMS-5

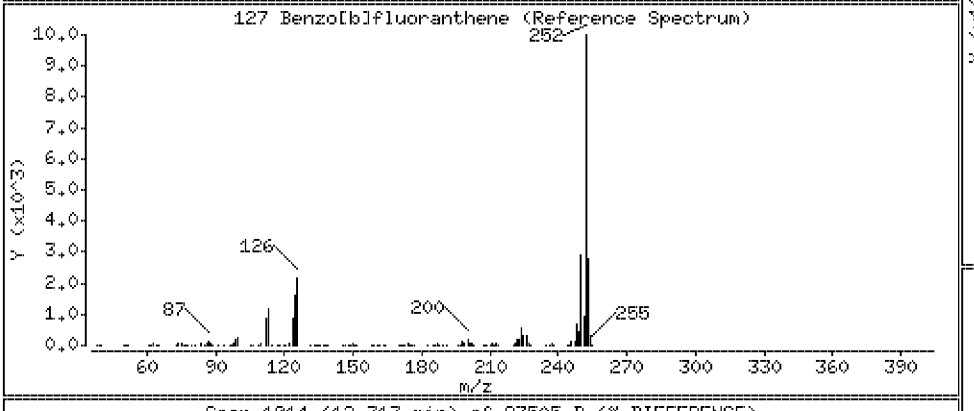
Column diameter: 0.25

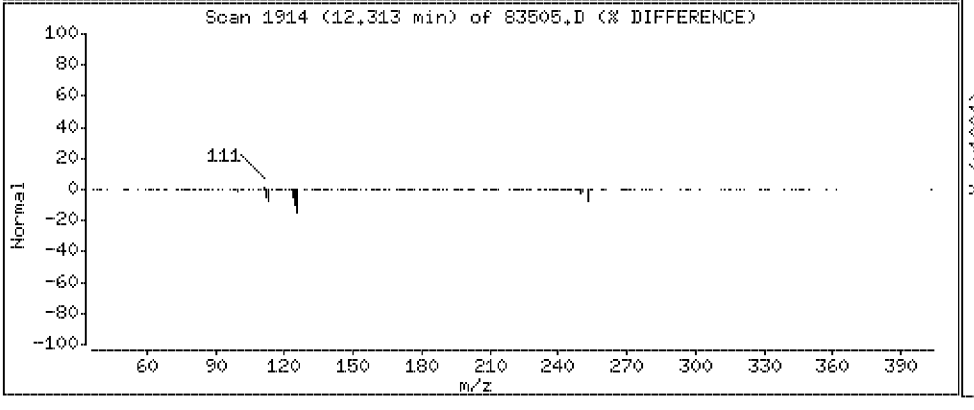
127 Benzo[b]fluoranthene

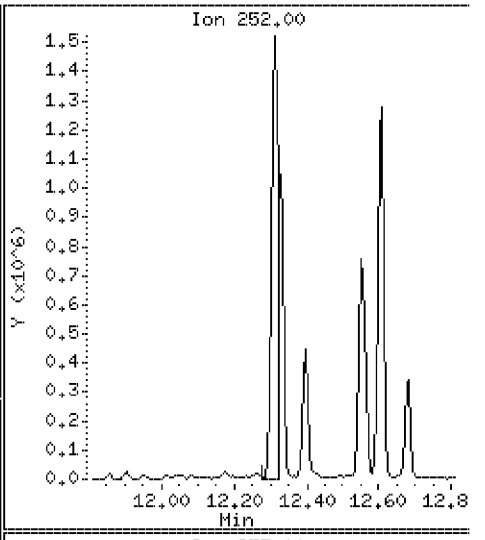
Concentration: 1470000 ug/kg

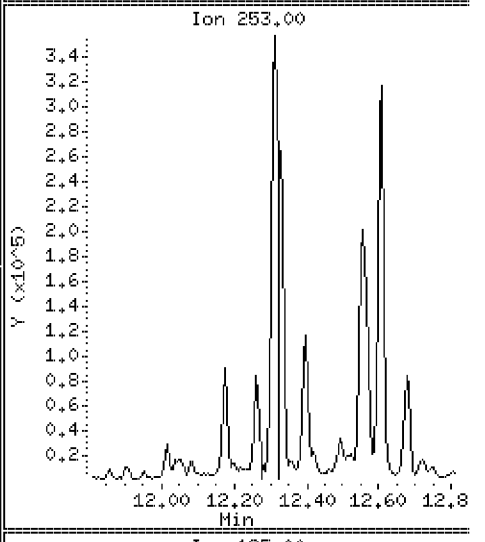


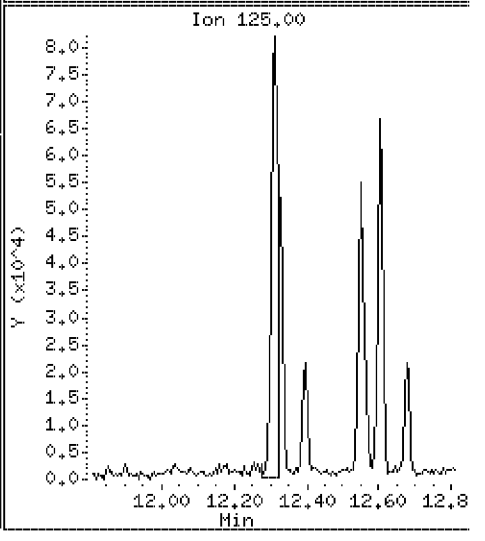












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

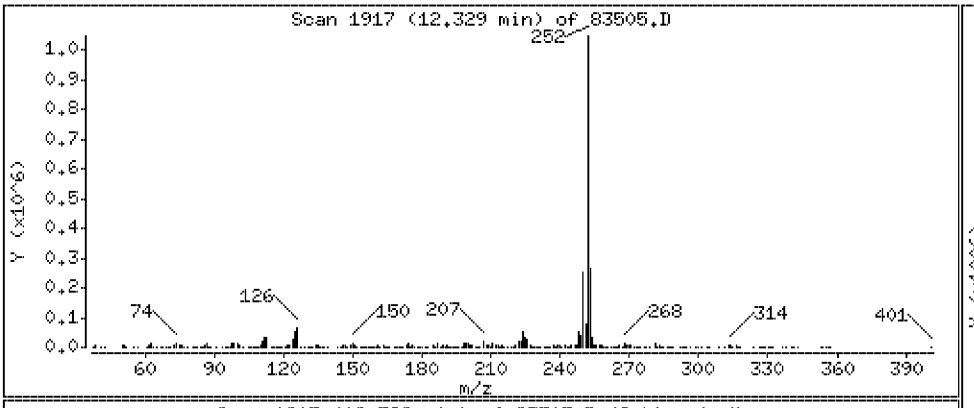
Operator: PEL

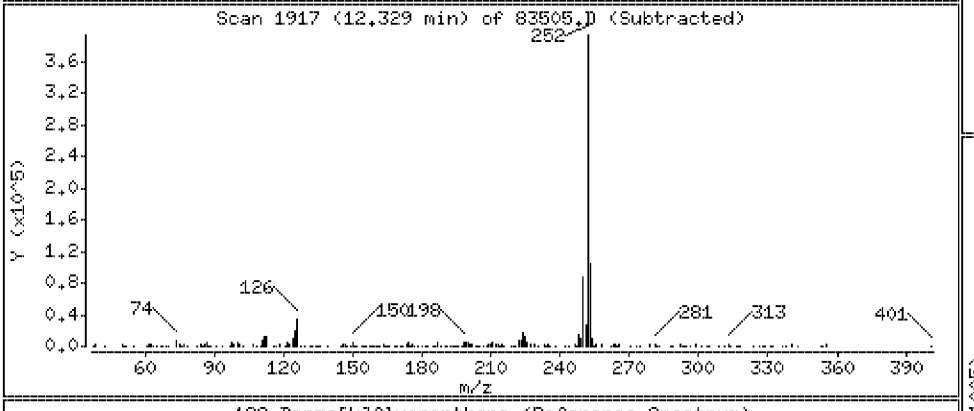
Column phase: HPMS-5

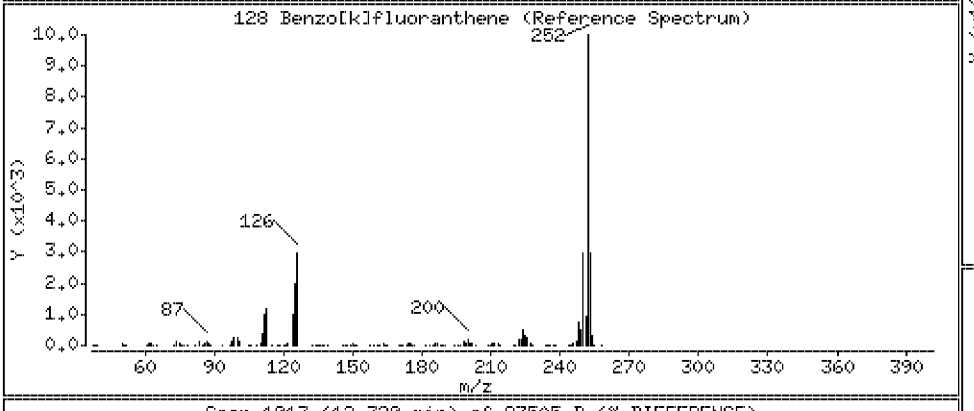
Column diameter: 0.25

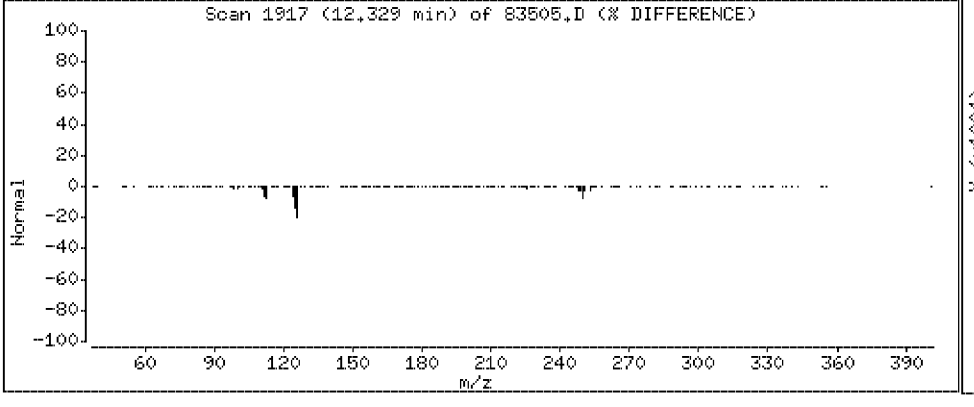
128 Benzo[k]fluoranthene

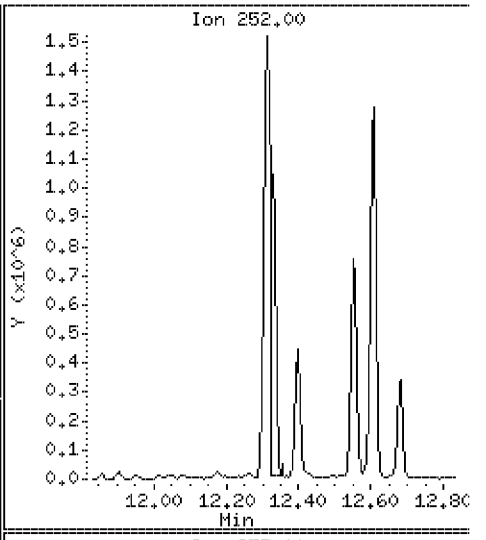
Concentration: 777000 ug/kg

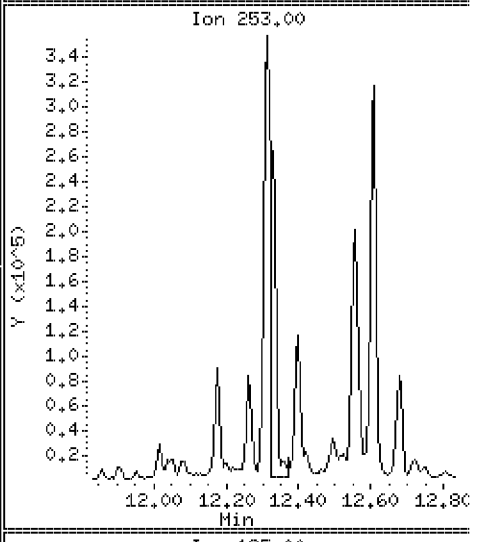


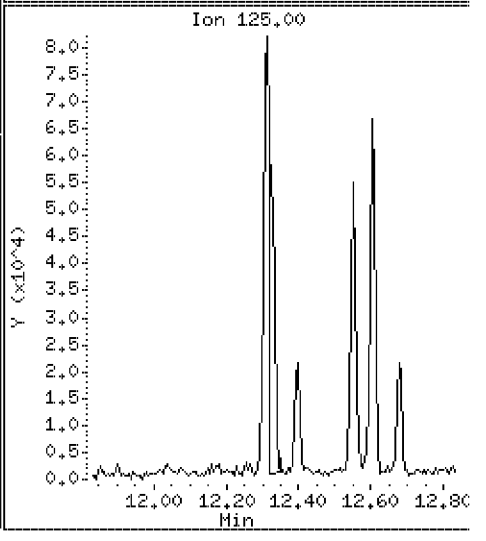












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

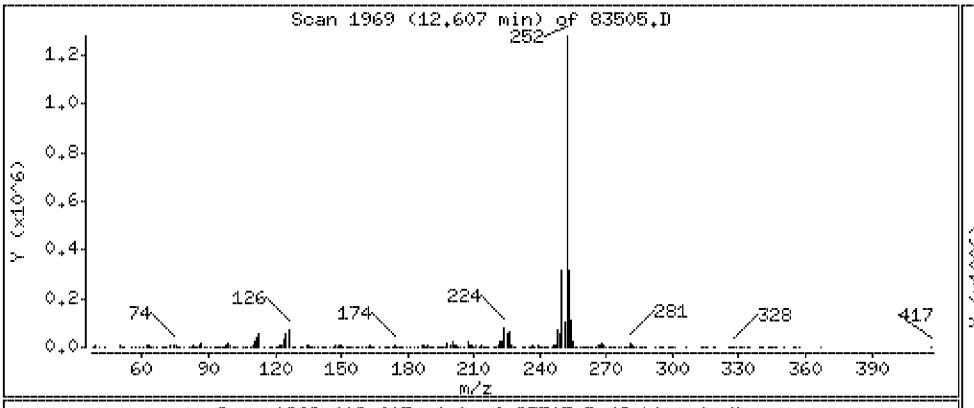
Operator: PEL

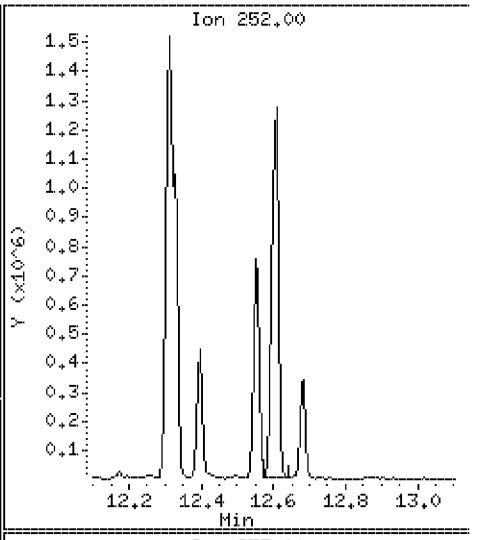
Column phase: HPMS-5

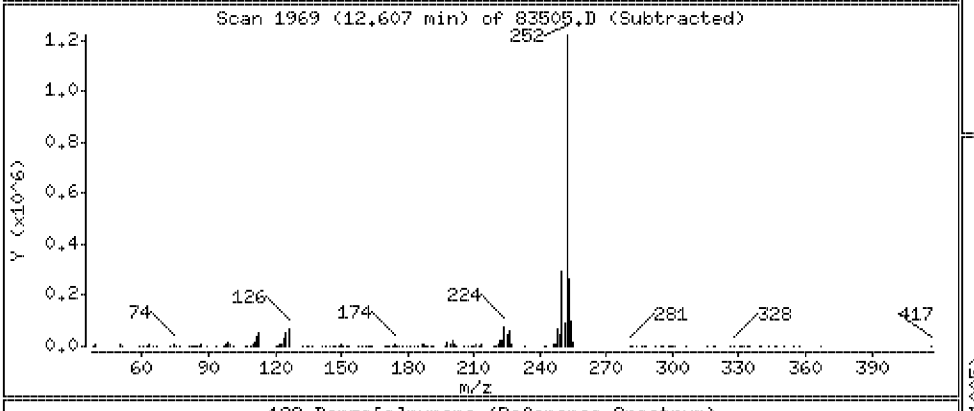
Column diameter: 0.25

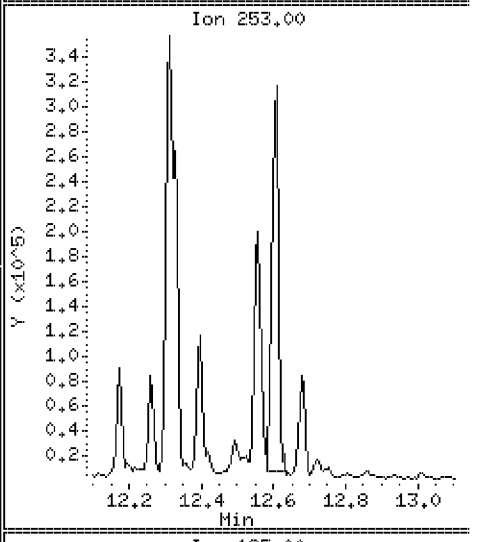
129 Benzo[a]pyrene

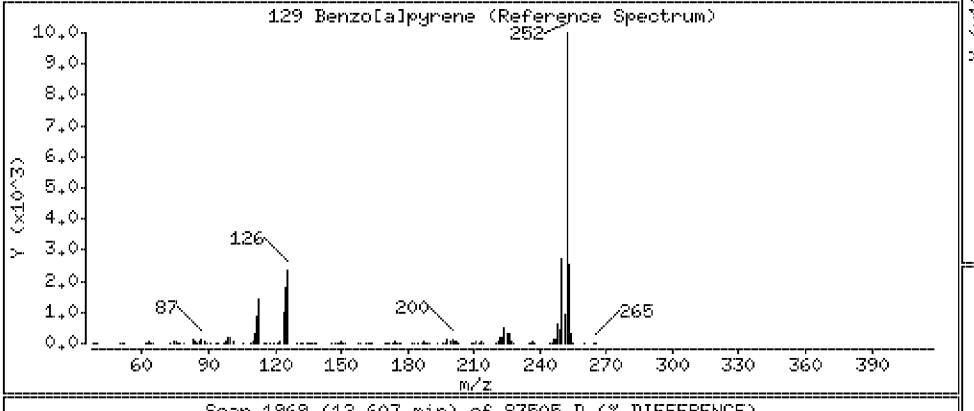
Concentration: 1050000 ug/kg

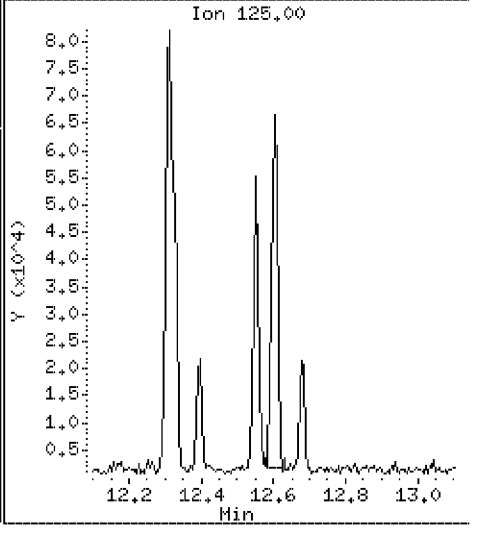


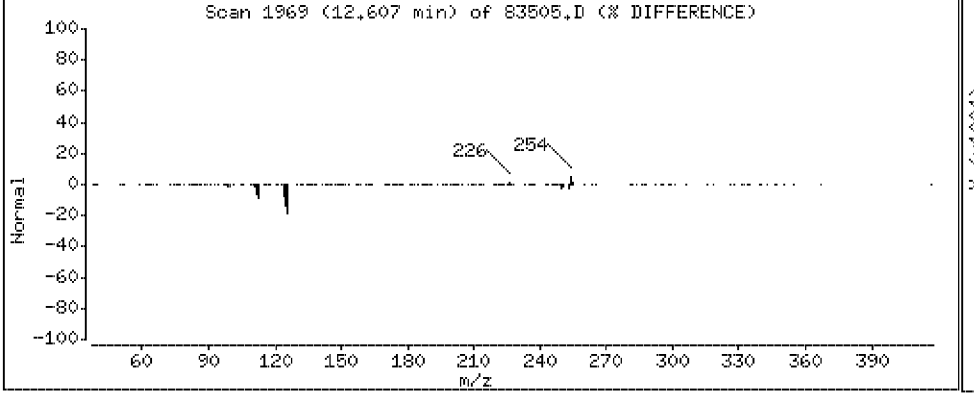












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

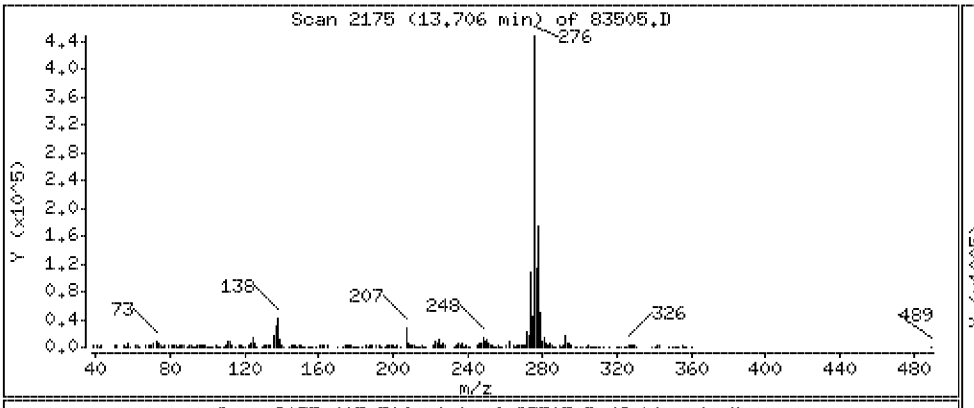
Operator: PEL

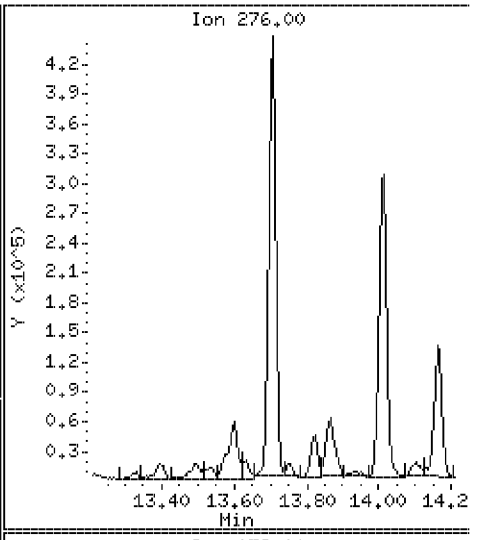
Column phase: HPMS-5

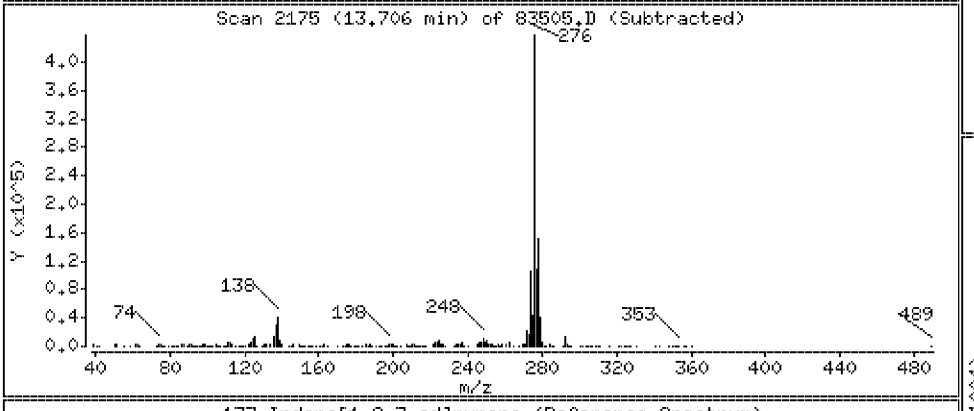
Column diameter: 0.25

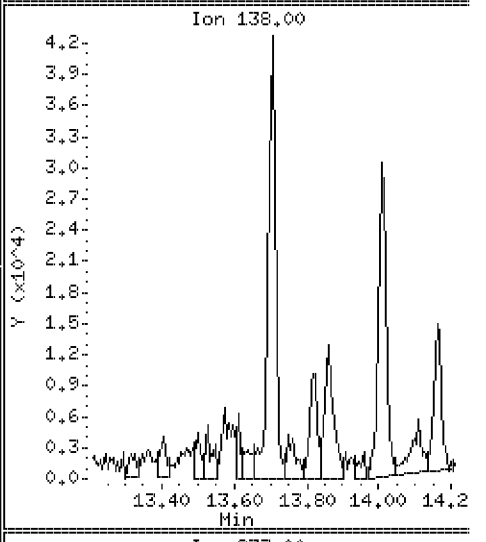
133 Indeno[1,2,3-cd]pyrene

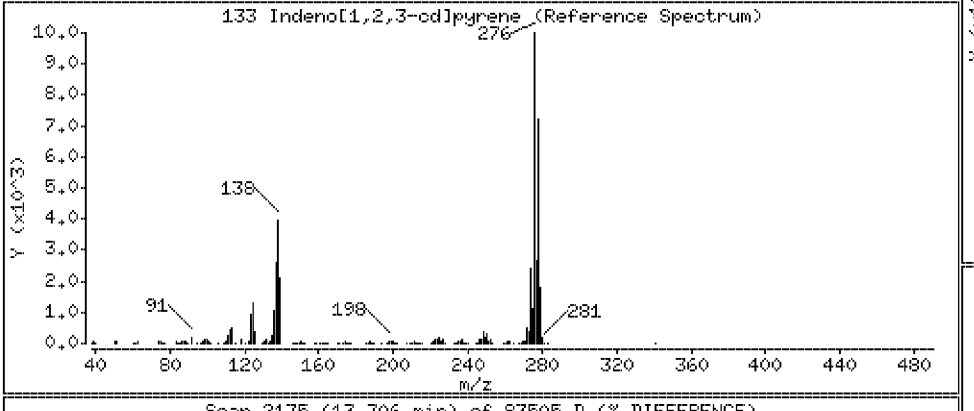
Concentration: 367000 ug/kg

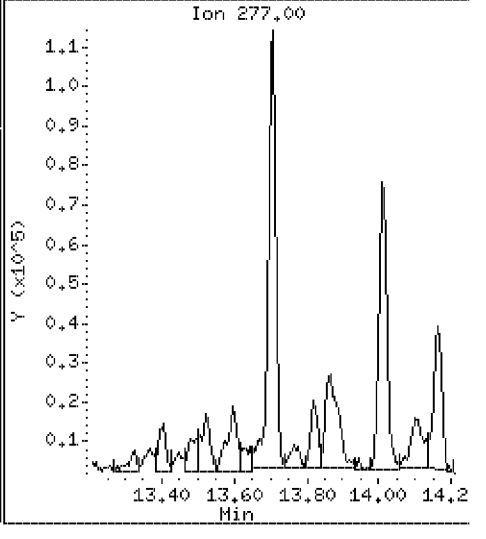


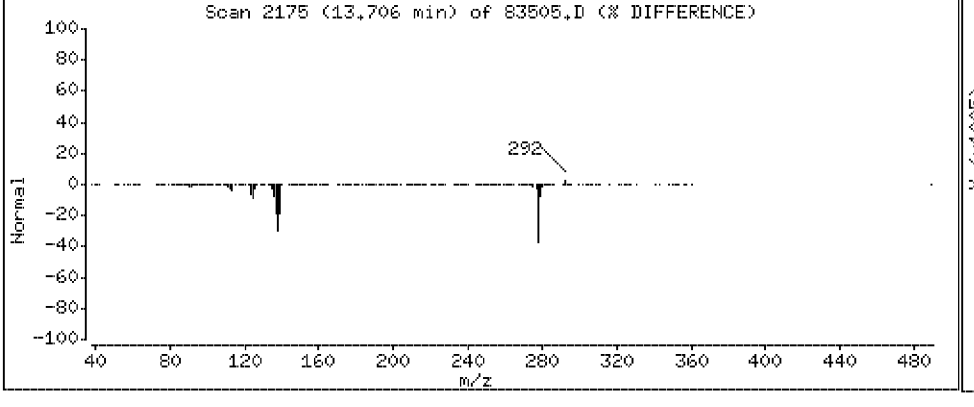












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83505.D

Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

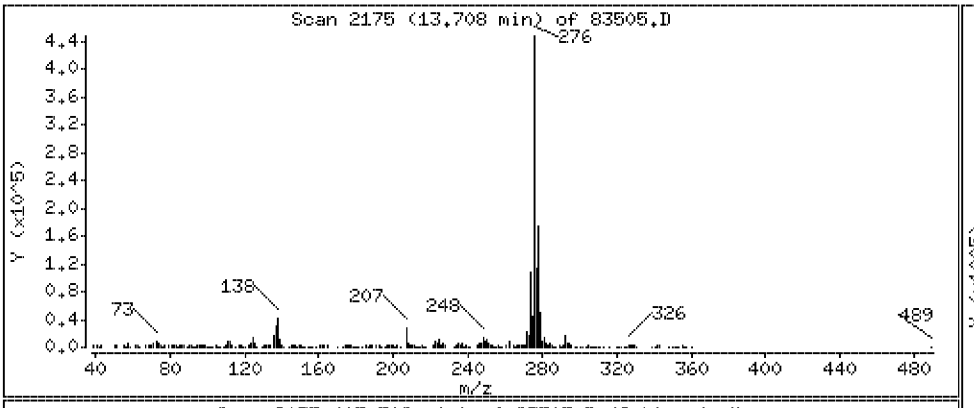
Operator: PEL

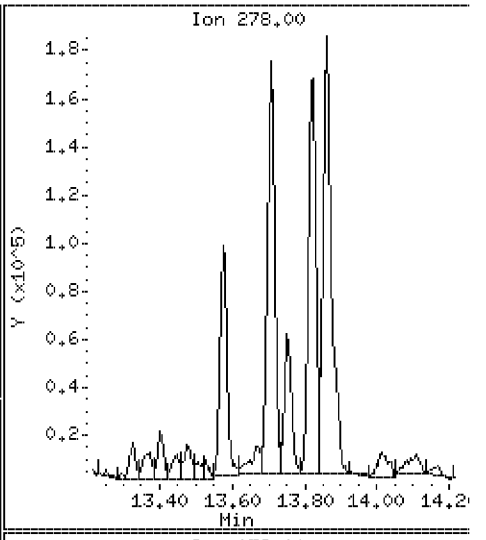
Column phase: HPMS-5

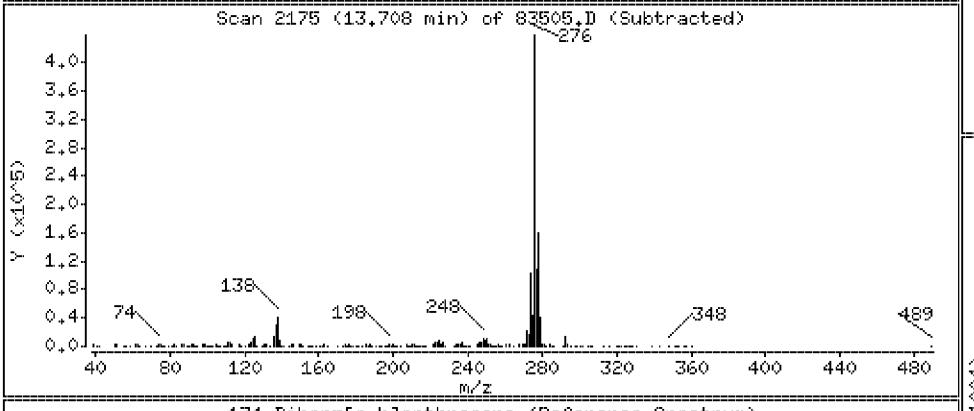
Column diameter: 0.25

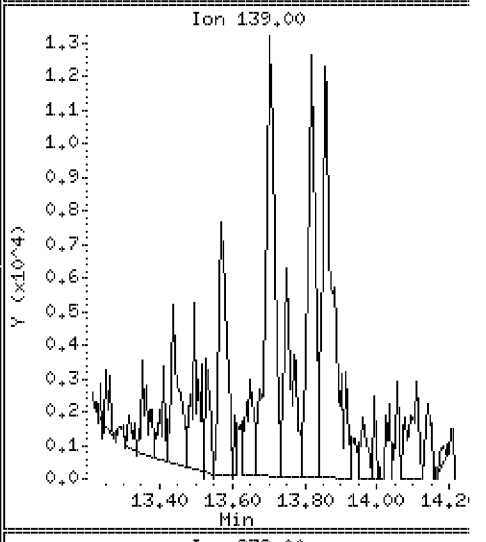
134 Dibenz[a,h]anthracene

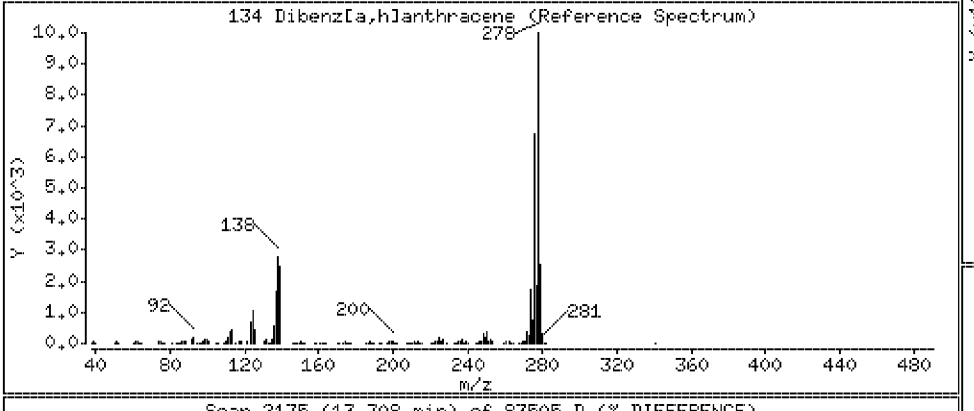
Concentration: 168000 ug/kg

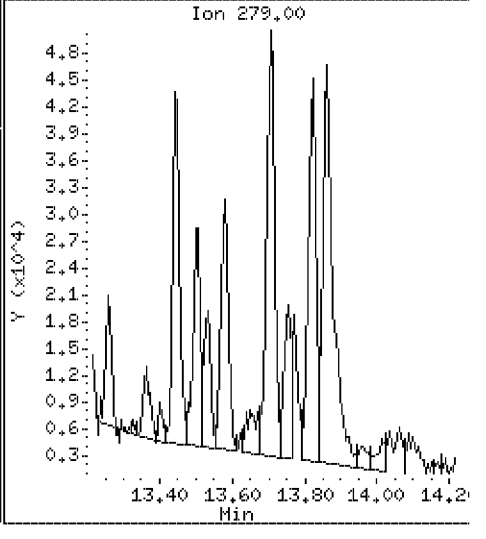


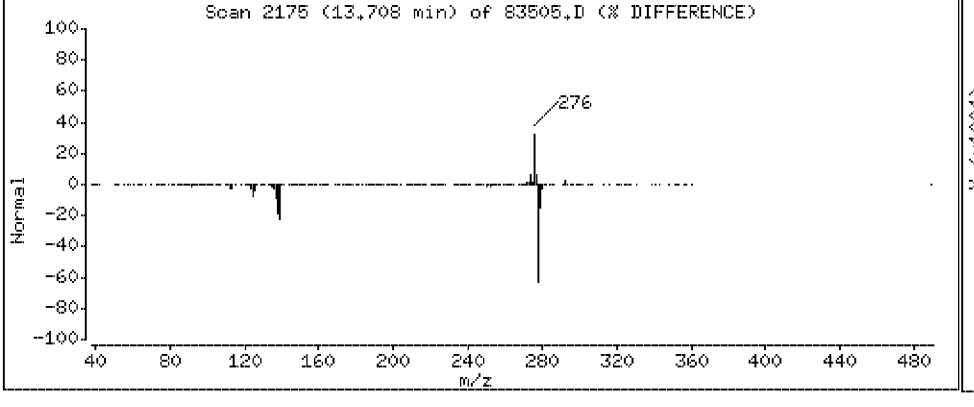












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Date : 26-APR-2012 20:45

Client ID: EPAFMC-SD-05

Instrument: smsd03.i

Sample Info: sw350583505

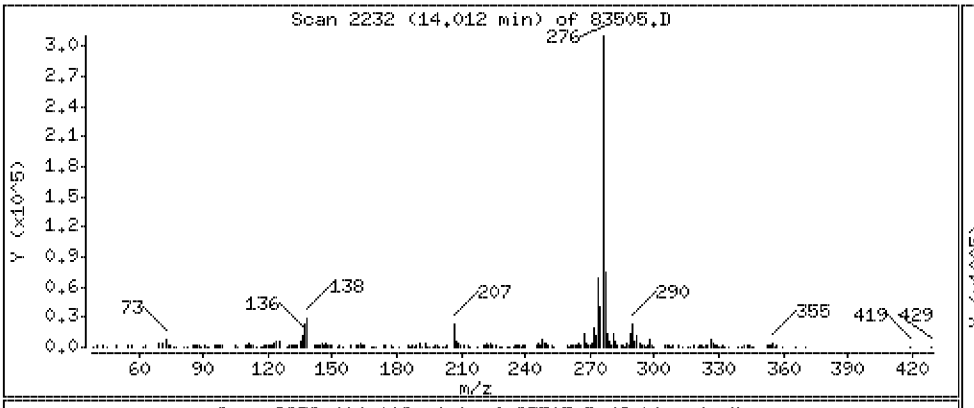
Operator: PEL

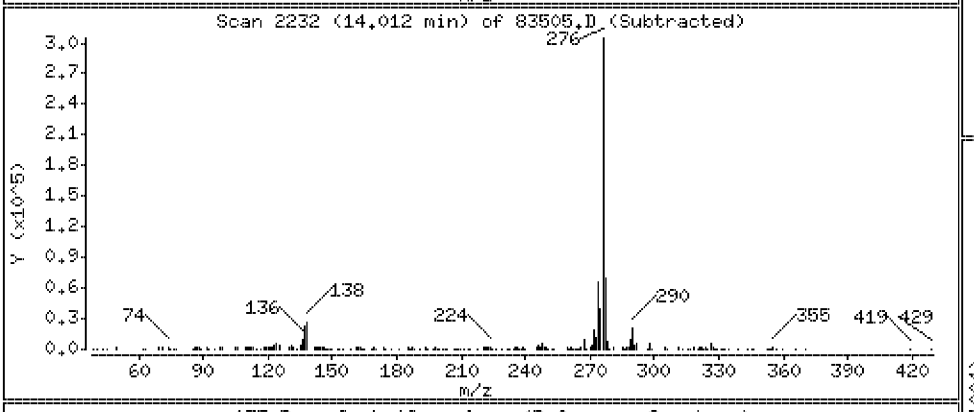
Column phase: HPMS-5

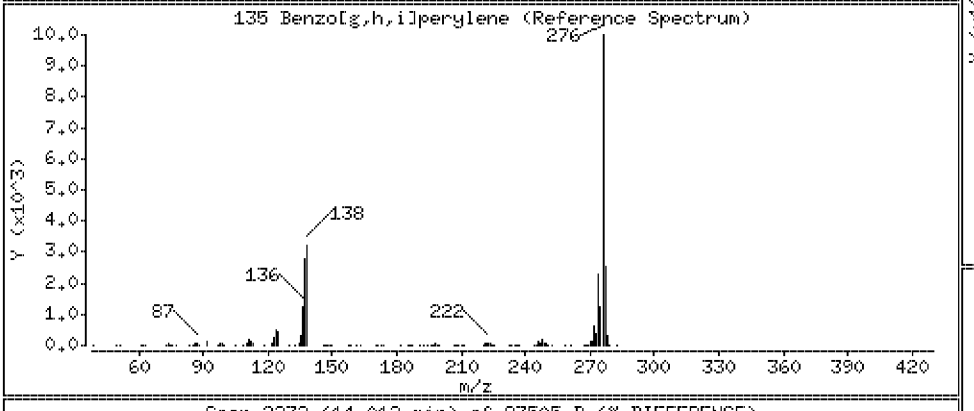
Column diameter: 0.25

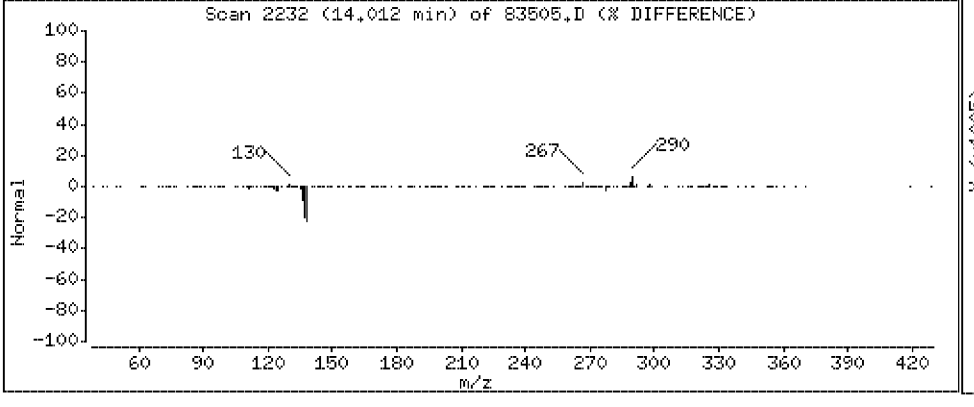
135 Benzo[g,h,i]perylene

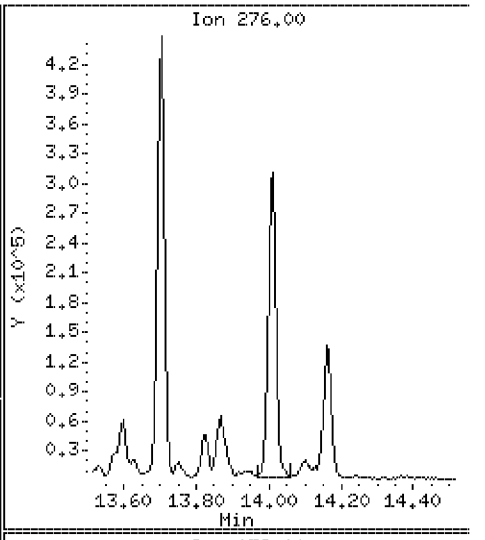
Concentration: 369000 ug/kg

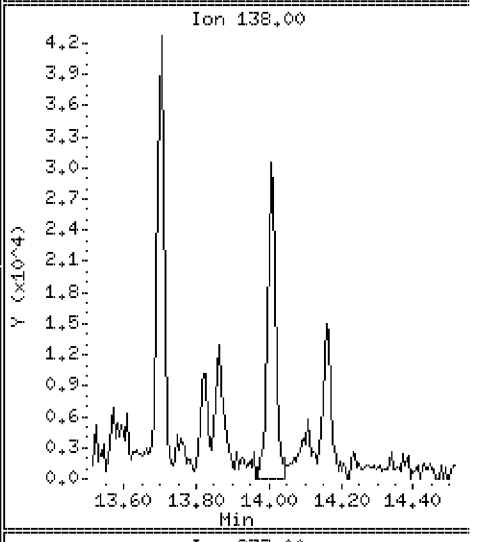


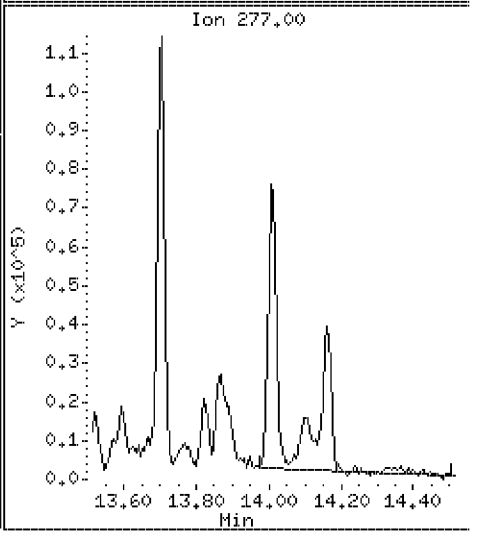












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D
Lab Smp Id: 350583506 Client Smp ID: EPAFMC-SD-06
Inj Date : 26-APR-2012 21:08 MS Autotune Date: 12-SEP-2011 18:58
Operator : PEL Inst ID: smsd03.i
Smp Info : sw350583506
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3042612.b\8270bcs.m
Meth Date : 26-Apr-2012 12:58 mjacobs Quant Type: ISTD
Cal Date : 23-APR-2012 18:17 Cal File: AP9CAL4.D
Als bottle: 26
Dil Factor: 50.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVar

Name	Value	Description
DF	50.000	Dilution Factor
Ws	25.990	Weight of sample extracted (g)
M	33.300	% Moisture
Vf	14.000	Final Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.424	4.423	(1.000)	152	300641	40.0000		80.00- 120.00	100.00
4.423	4.423	(1.000)	115	182587			33.39- 93.39	60.73
4.424	4.423	(1.000)	150	440615			121.52- 181.52	146.56
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.586	5.583	(1.000)	136	1048158	40.0000		80.00- 120.00	100.00
5.586	5.583	(1.000)	68	57122			0.00- 35.32	5.45
* 70 Acenaphthene-d10							CAS #: 15067-26-2	
7.279	7.278	(1.000)	164	707190	40.0000		80.00- 120.00	100.00
7.279	7.278	(1.000)	162	680328			66.43- 126.43	96.20
7.279	7.278	(1.000)	160	304020			14.76- 74.76	42.99
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.737	8.734	(1.000)	188	1384426	40.0000		80.00- 120.00	100.00
8.735	8.734	(1.000)	94	82196			0.00- 36.17	5.94
8.736	8.734	(1.000)	80	101386			0.00- 38.16	7.32
* 121 Chrysene-d12							CAS #: 1719-03-5	
11.335	11.327	(1.000)	240	2094774	40.0000		80.00- 120.00	100.00

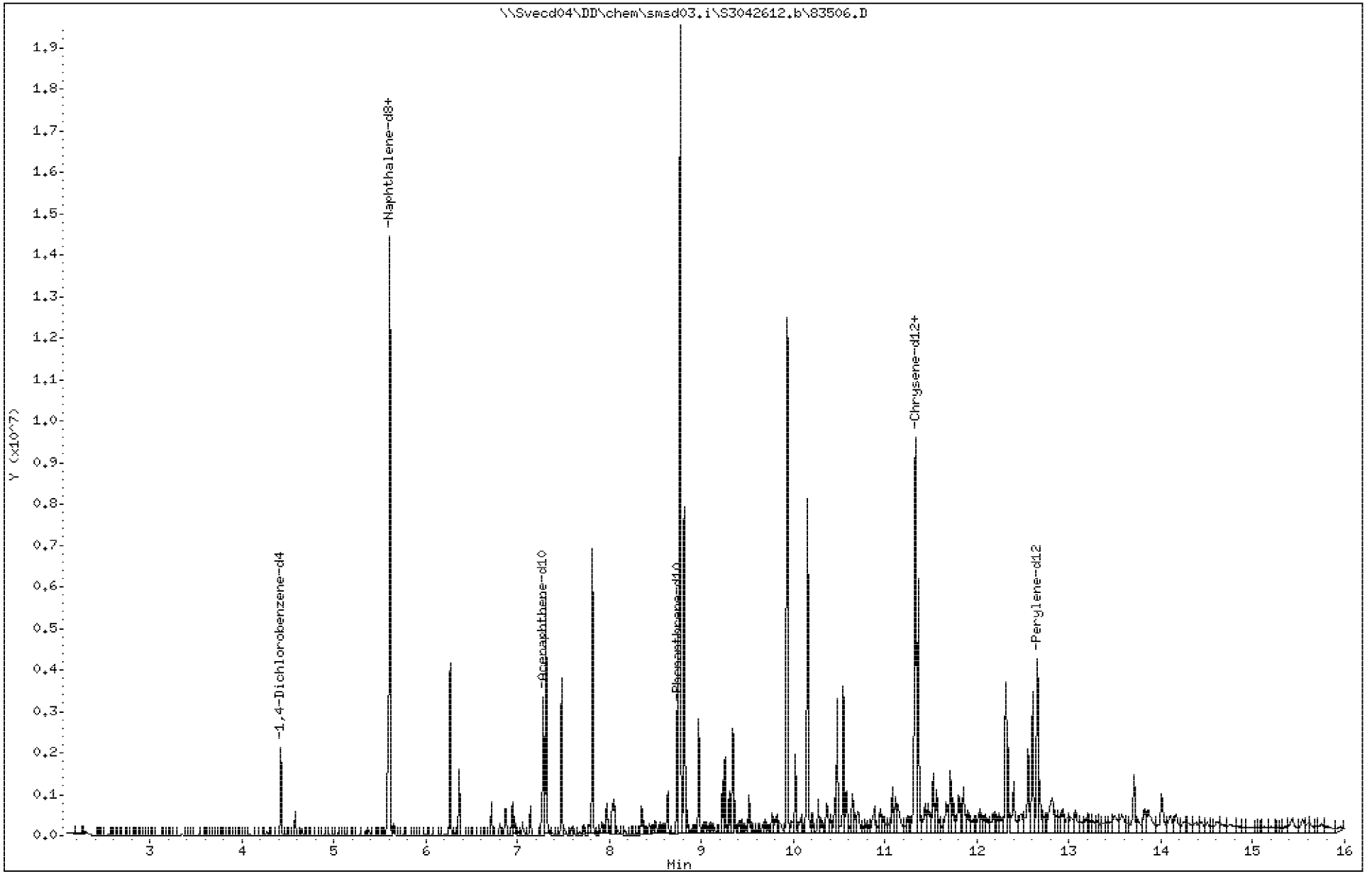
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
* 121 Chrysene-d12 (continued)								
11.333	11.327	(1.000)	120	124032			0.00- 35.19	5.92
11.335	11.327	(1.000)	236	560331			0.00- 56.66	26.75
* 130 Perylene-d12						CAS #: 1520-96-3		
12.656	12.650	(1.000)	264	1682790	40.0000		80.00- 120.00	100.00
12.656	12.650	(1.000)	260	399858			0.00- 54.55	23.76
12.656	12.650	(1.000)	265	407310			0.00- 53.02	24.20

Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D
Date : 26-APR-2012 21:08
Client ID: EPAFMC-SD-06
Sample Info: sw350583506

Instrument: smsd03.i
Operator: PEL
Column phase: HPMS-5
Column diameter: 0.25

2758

3505835



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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

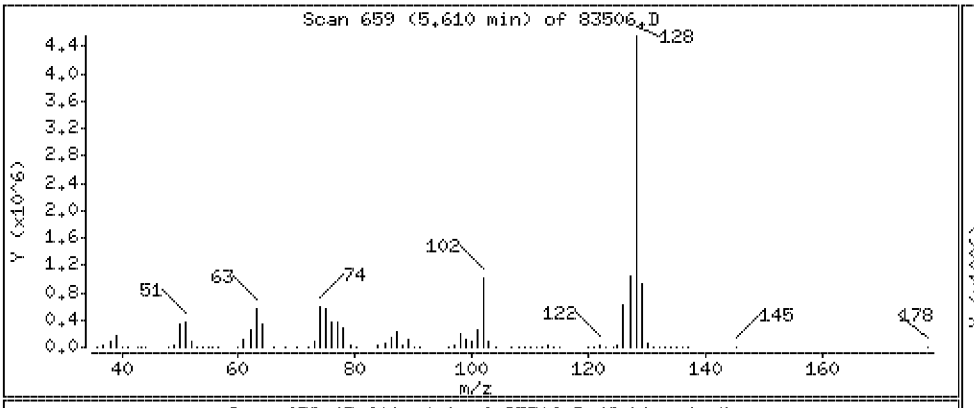
Operator: PEL

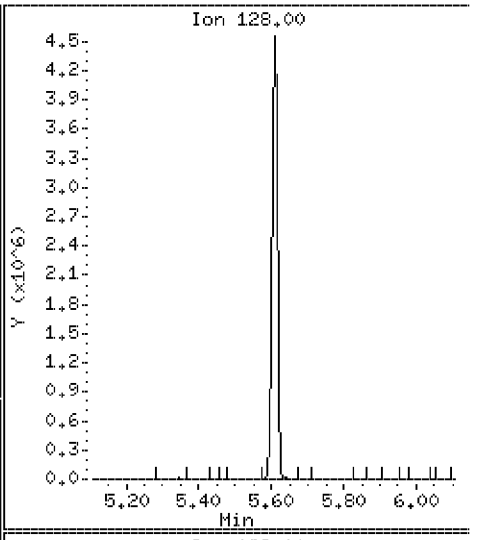
Column phase: HPMS-5

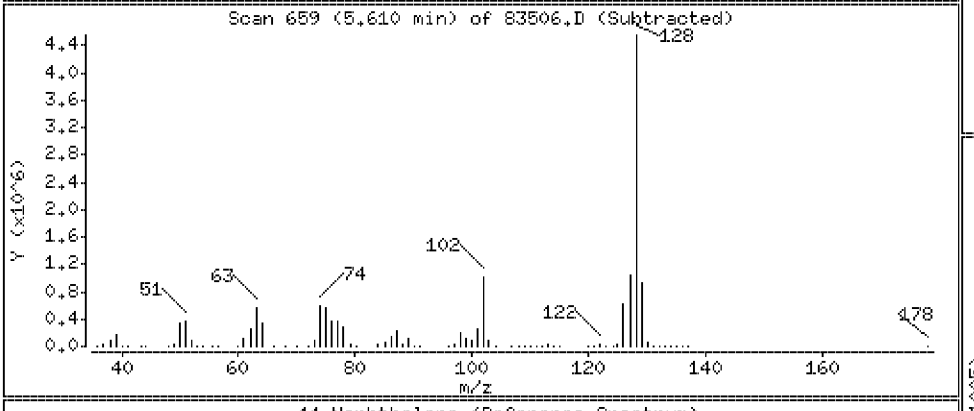
Column diameter: 0.25

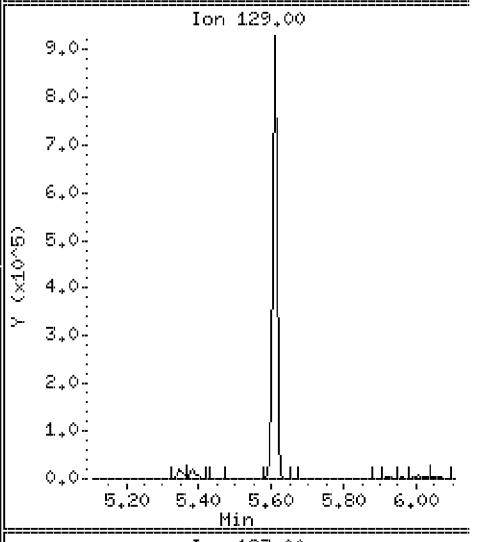
44 Naphthalene

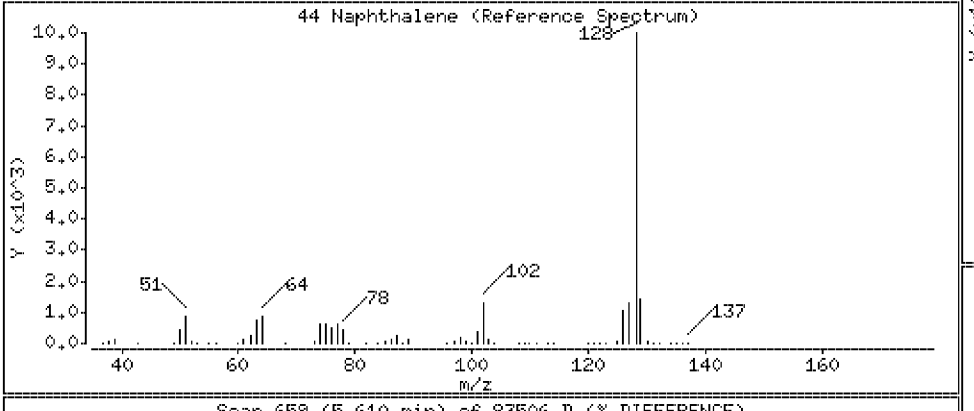
Concentration: 7120000 ug/kg

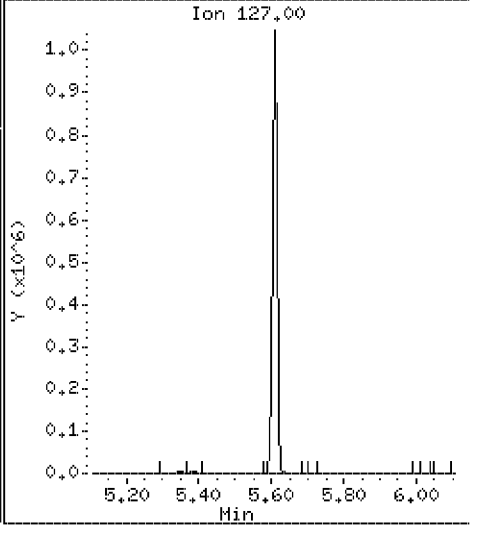


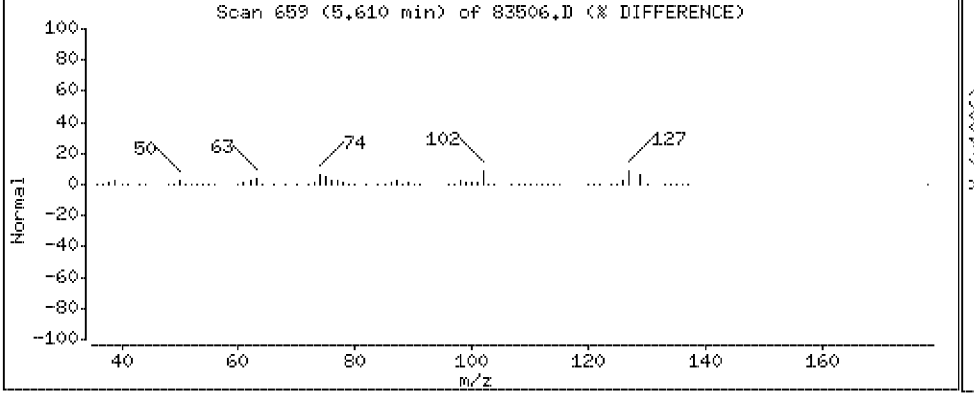












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

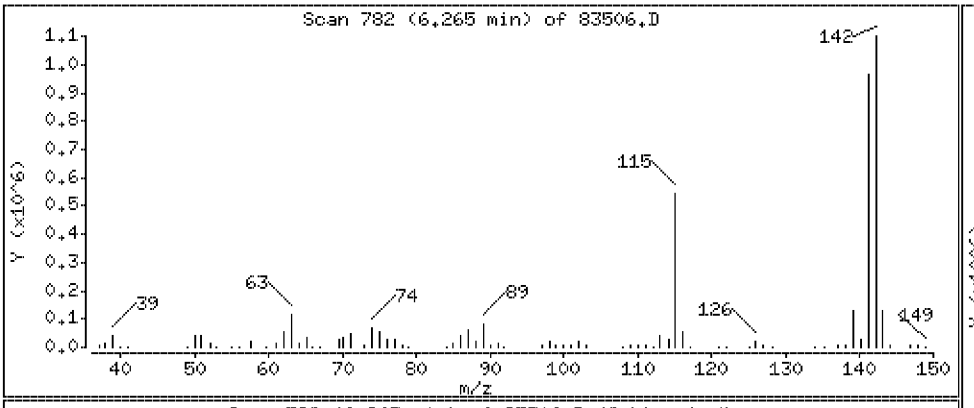
Operator: PEL

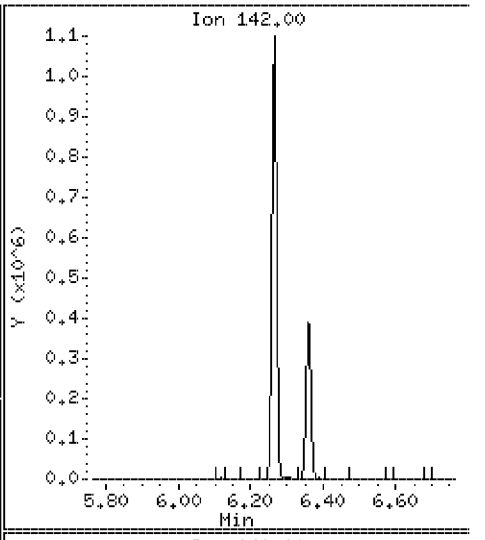
Column phase: HPMS-5

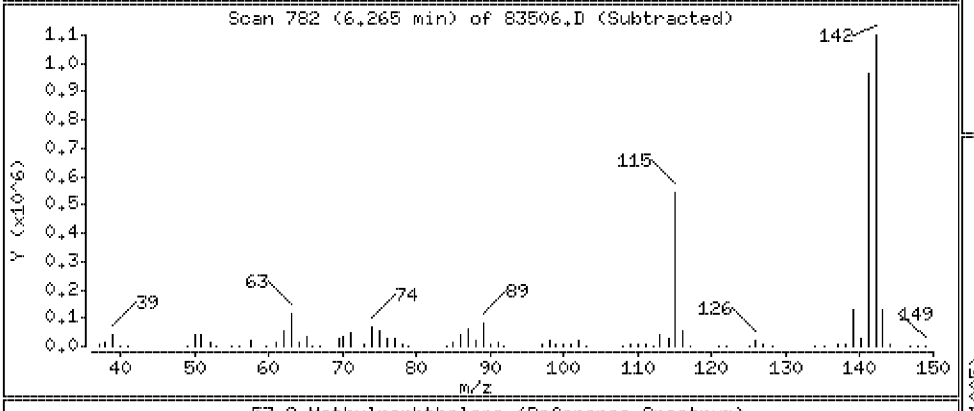
Column diameter: 0.25

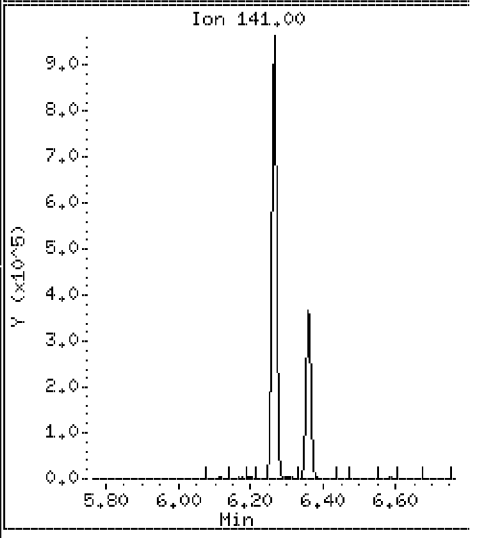
53 2-Methylnaphthalene

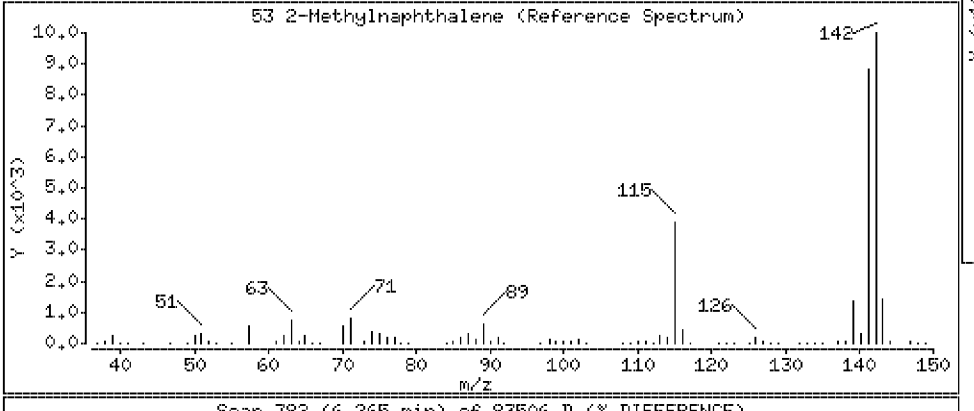
Concentration: 2040000 ug/kg

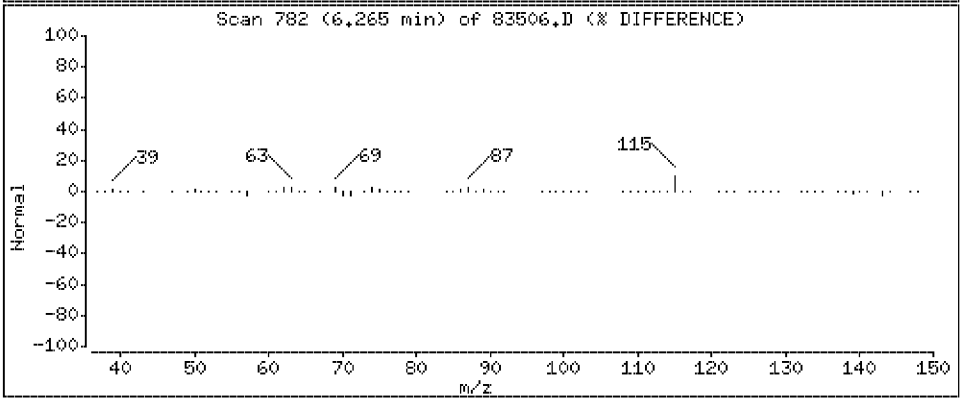












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

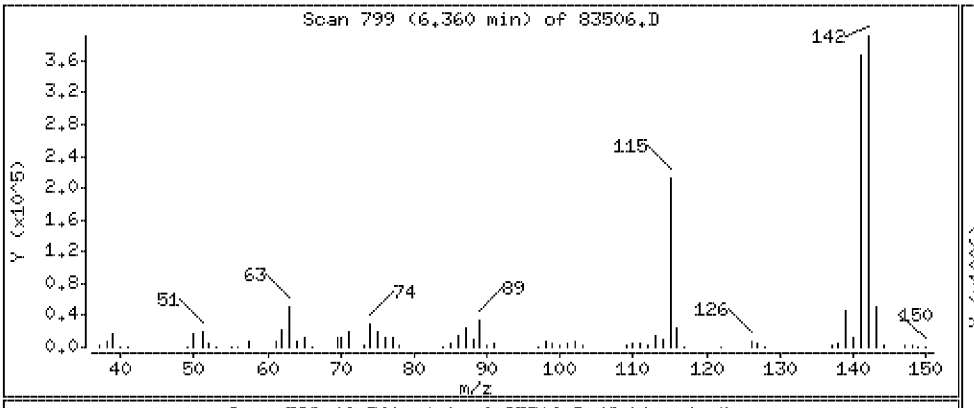
Operator: PEL

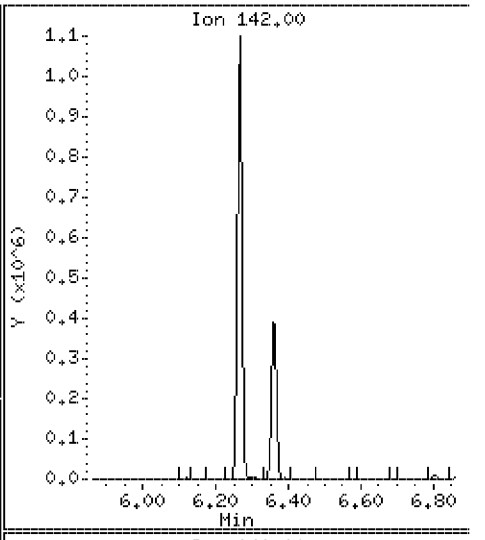
Column phase: HPMS-5

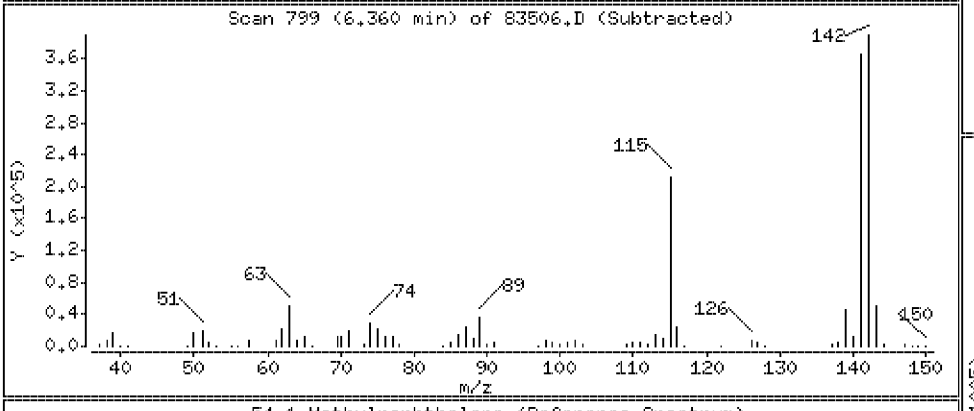
Column diameter: 0.25

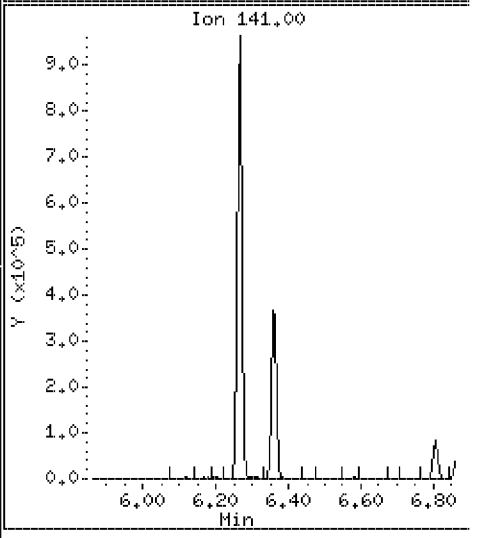
54 1-Methylnaphthalene

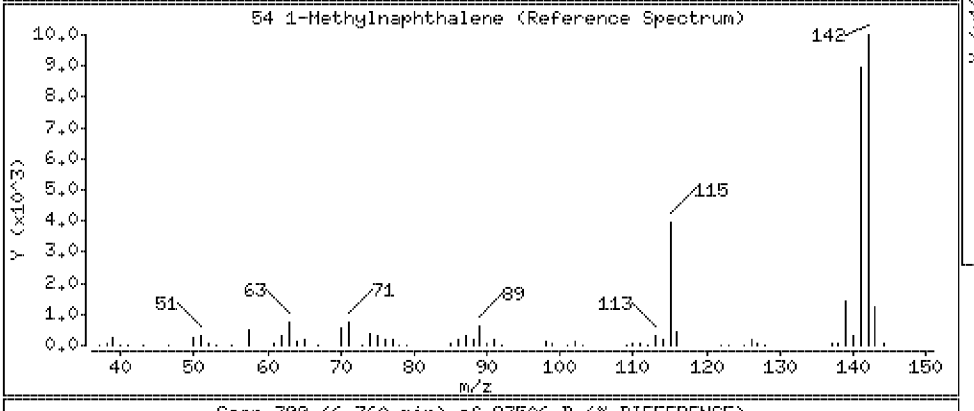
Concentration: 871000 ug/kg

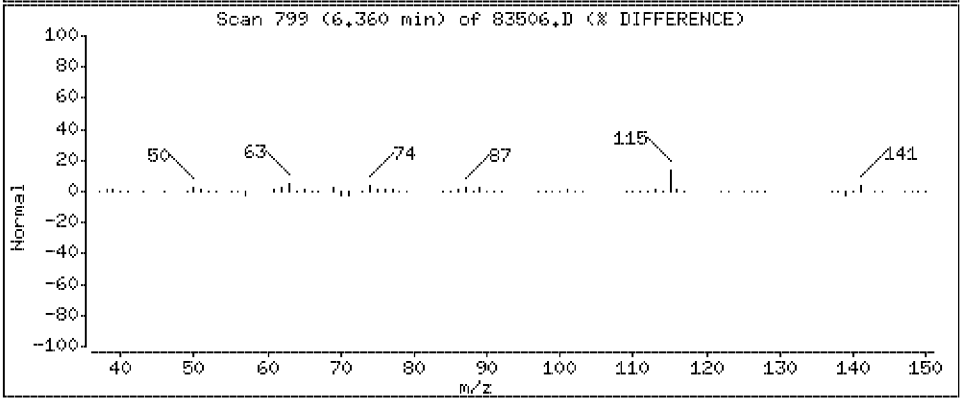












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

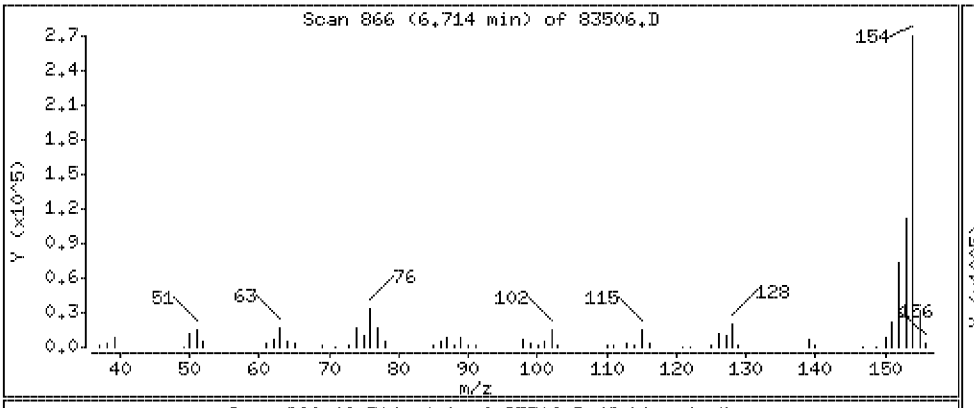
Operator: PEL

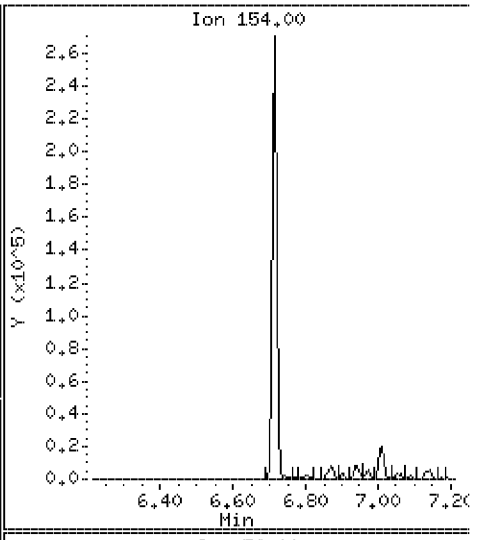
Column phase: HPMS-5

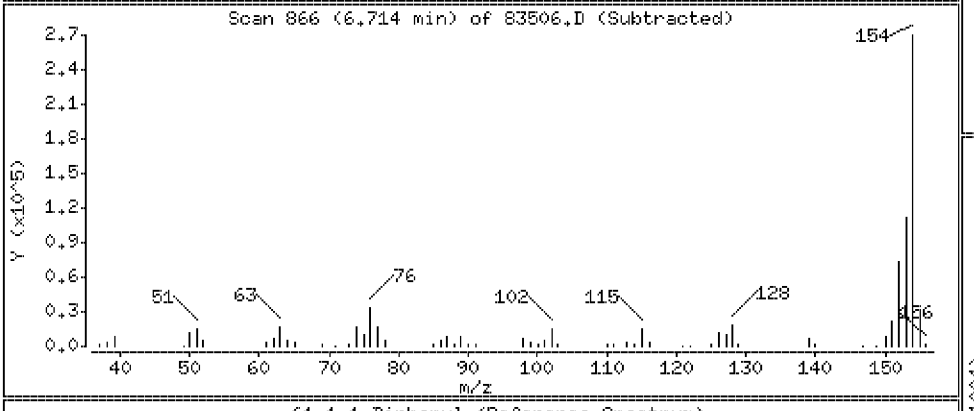
Column diameter: 0.25

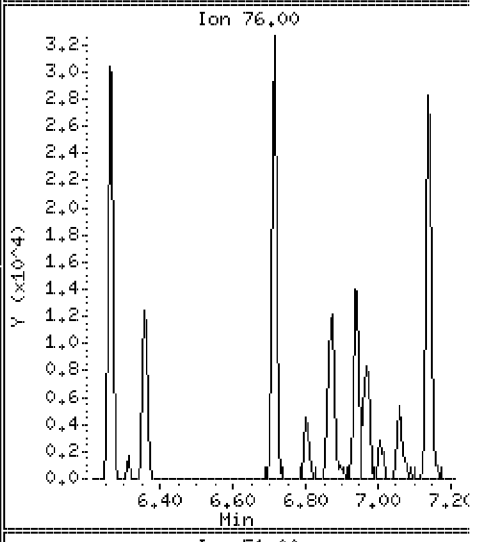
61 1,1-Biphenyl

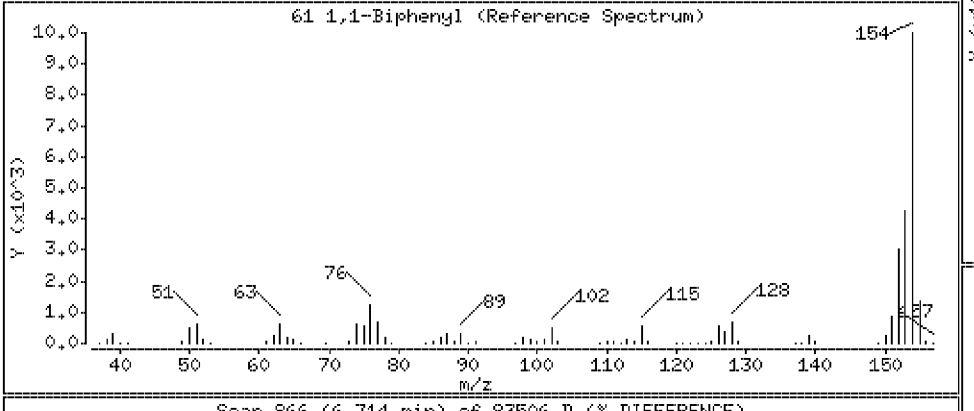
Concentration: 330000 ug/kg

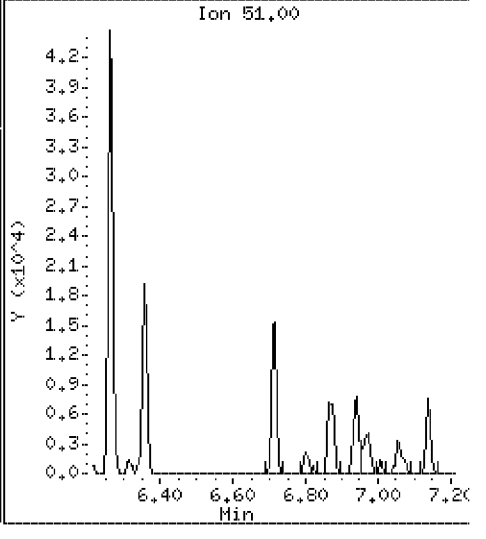


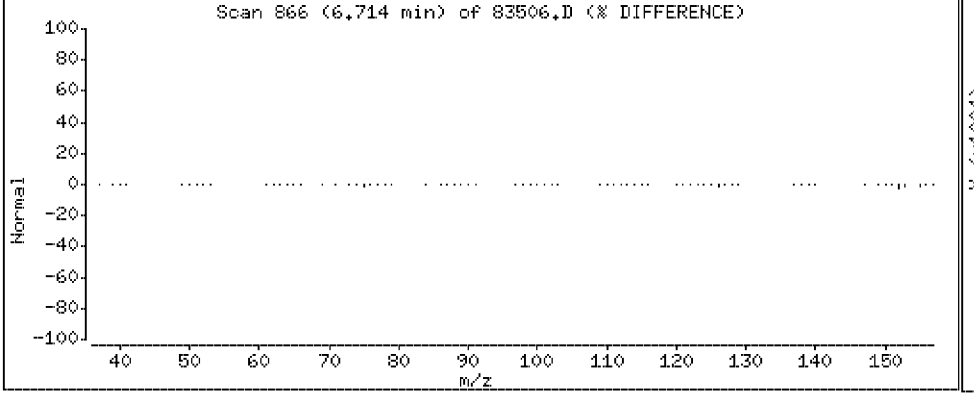












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

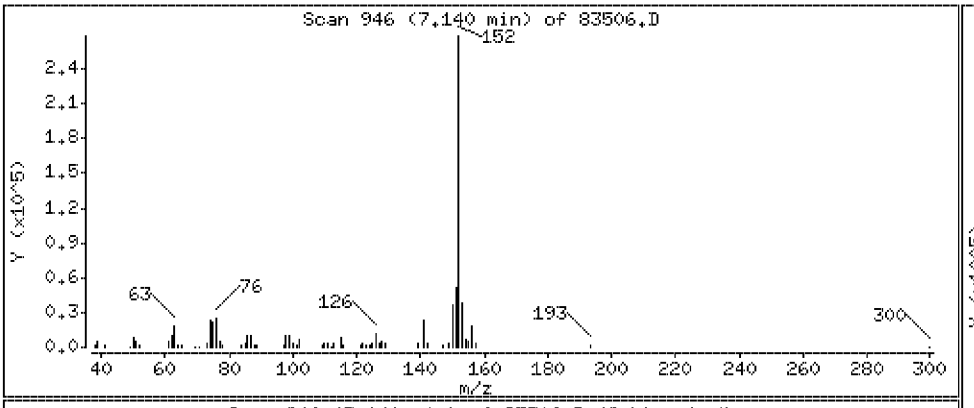
Operator: PEL

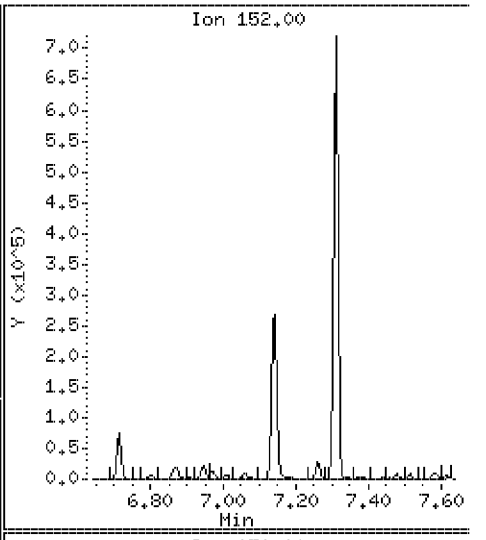
Column phase: HPMS-5

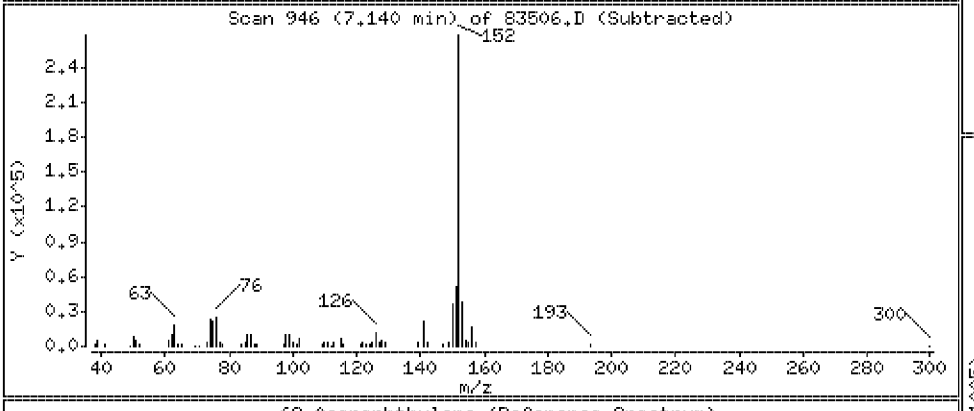
Column diameter: 0.25

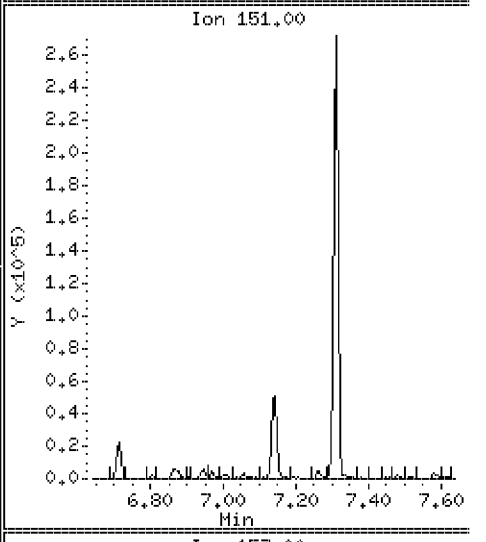
68 Acenaphthylene

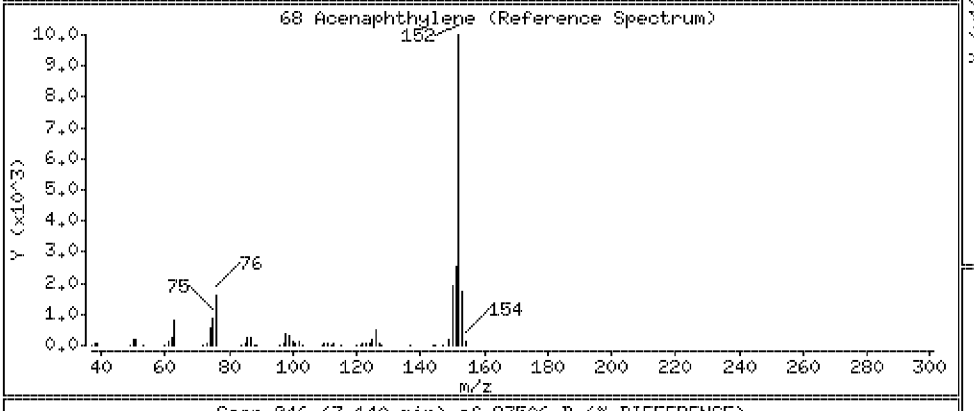
Concentration: 364000 ug/kg

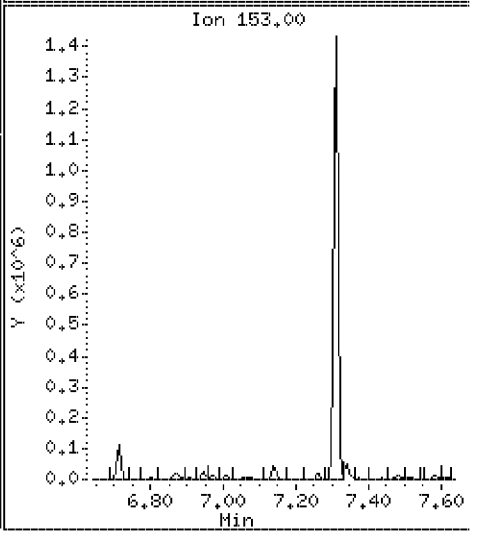


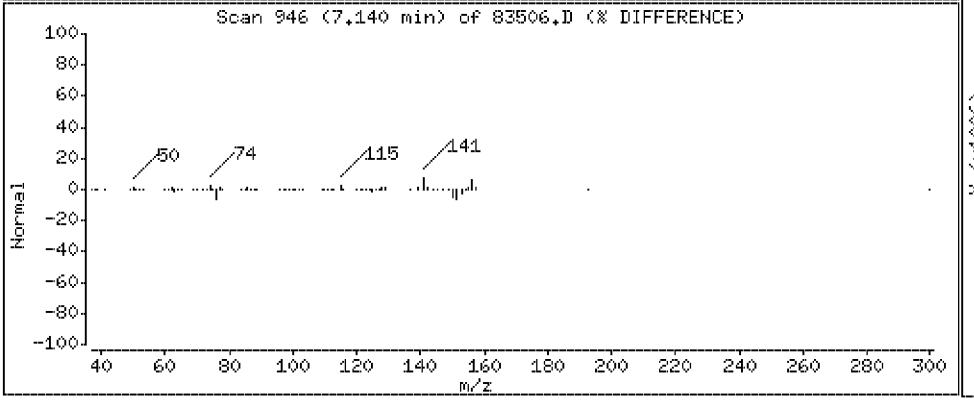












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

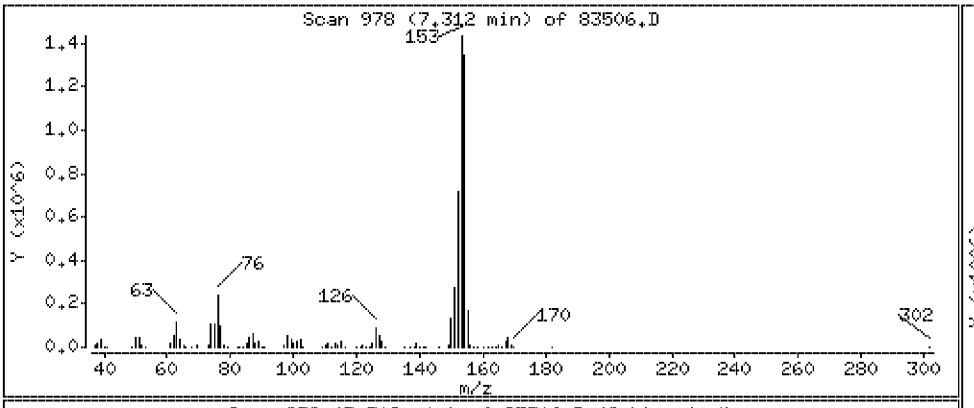
Operator: PEL

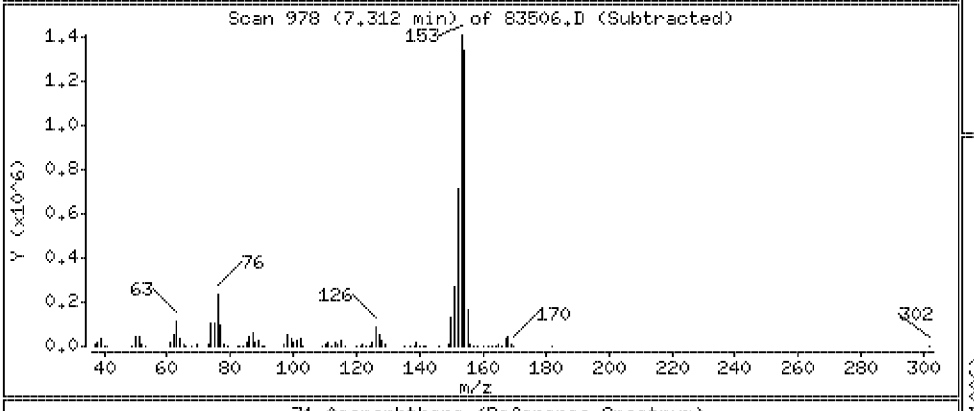
Column phase: HPMS-5

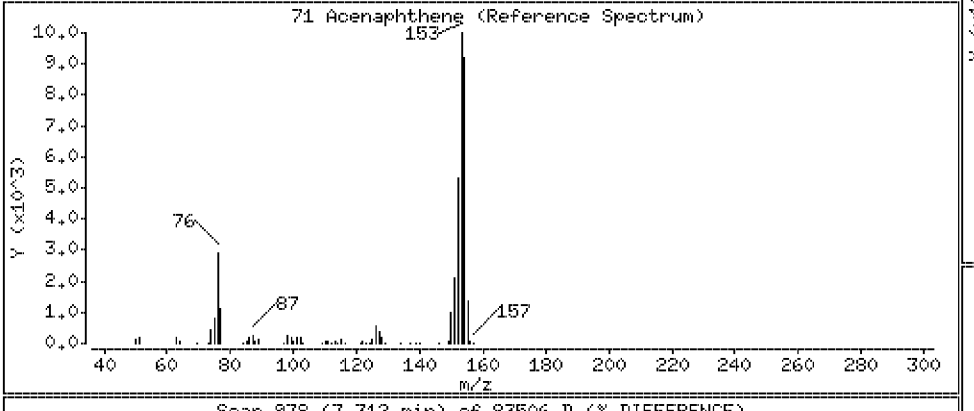
Column diameter: 0.25

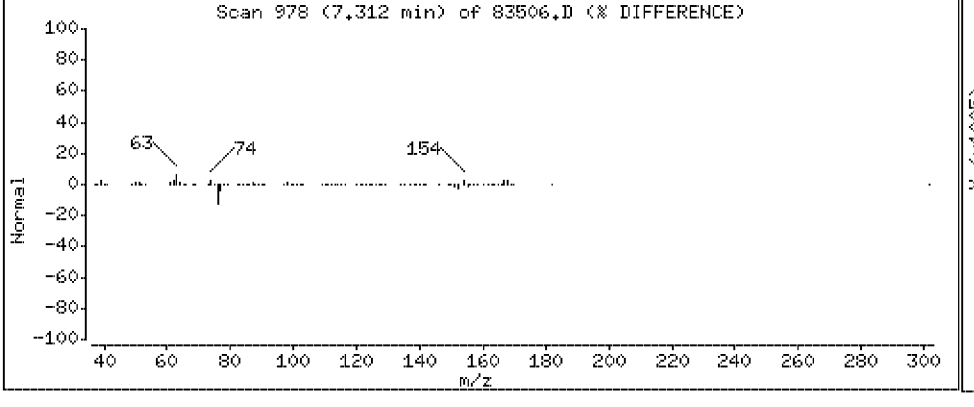
71 Acenaphthene

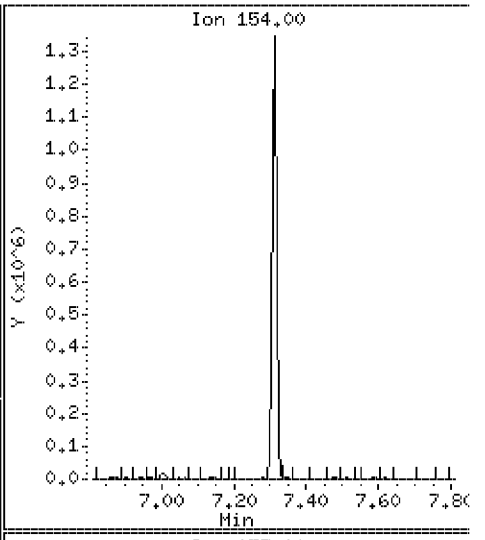
Concentration: 2480000 ug/kg

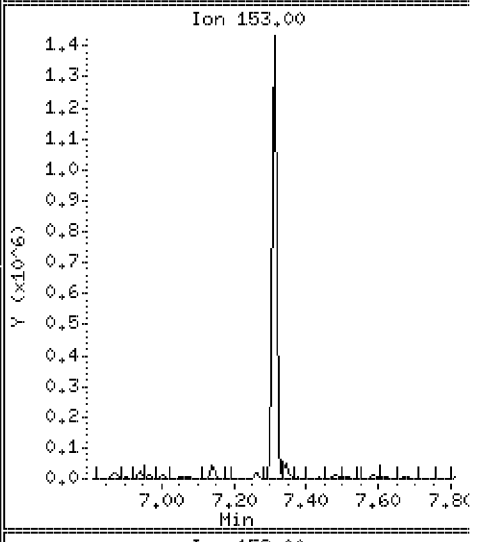


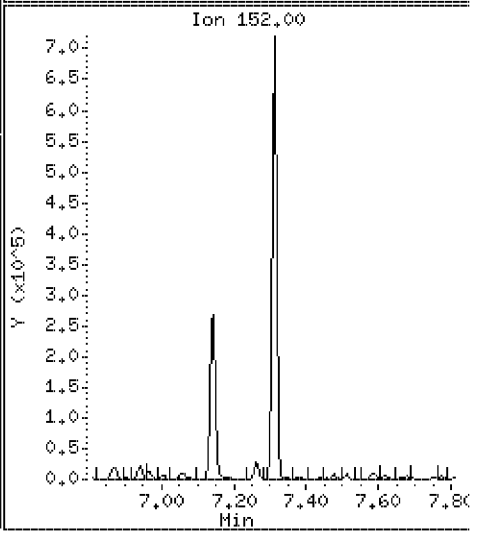












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

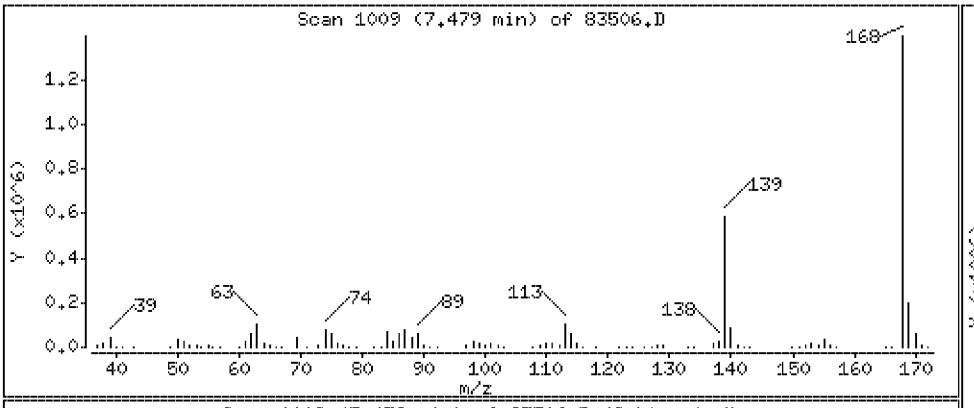
Operator: PEL

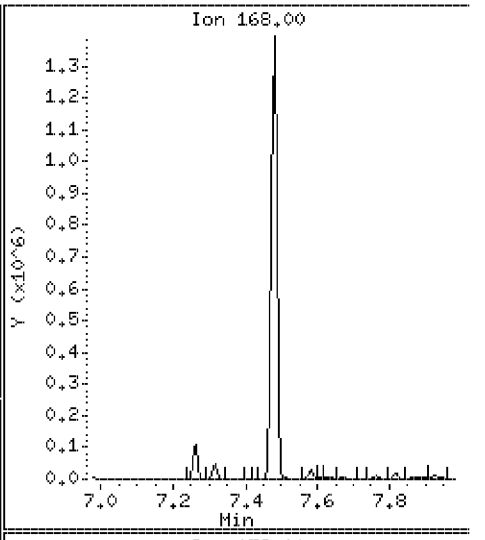
Column phase: HPMS-5

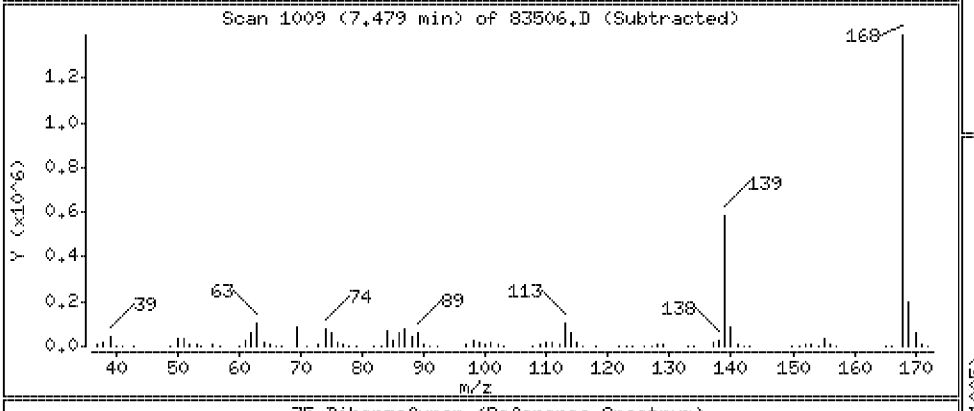
Column diameter: 0.25

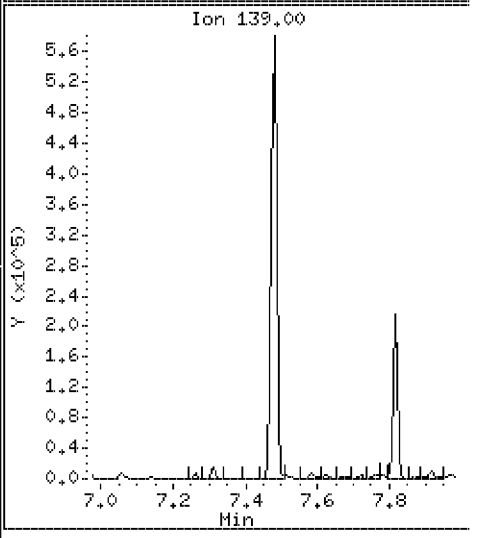
75 Dibenzofuran

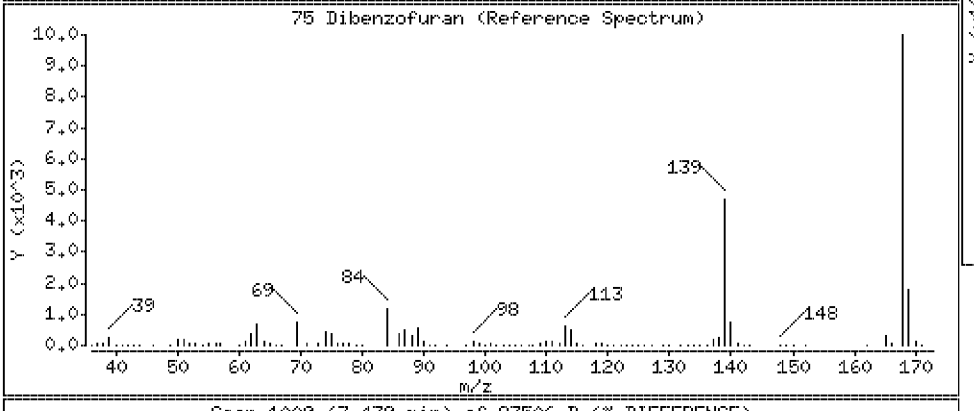
Concentration: 1630000 ug/kg

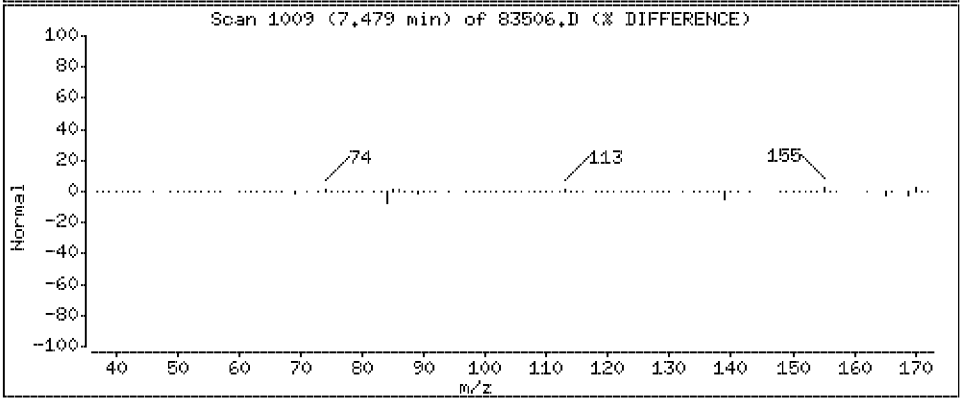












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

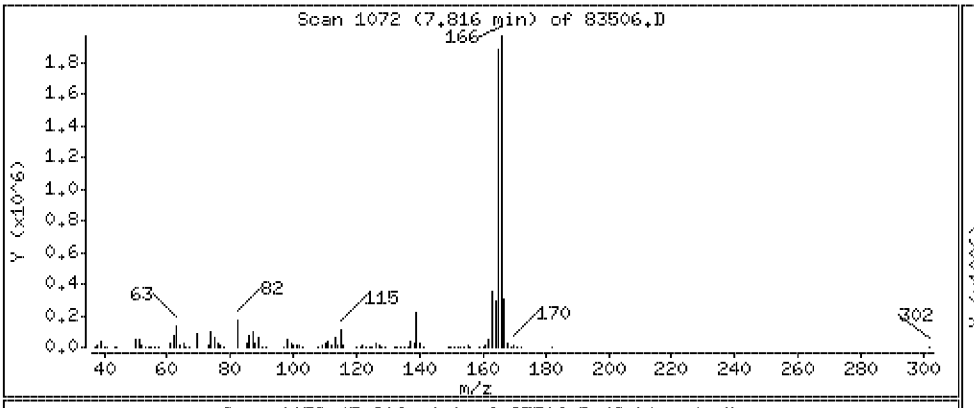
Operator: PEL

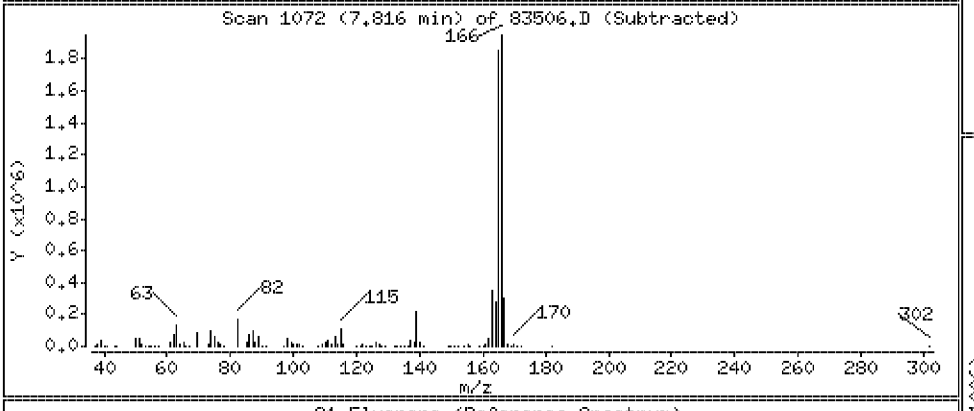
Column phase: HPMS-5

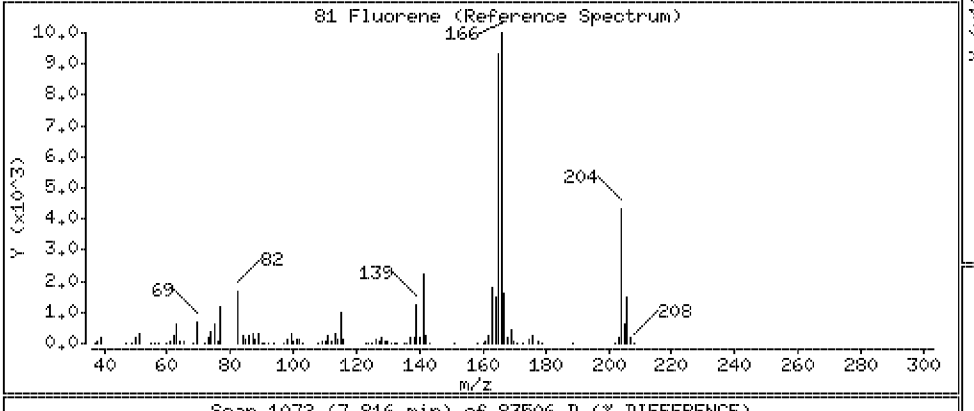
Column diameter: 0.25

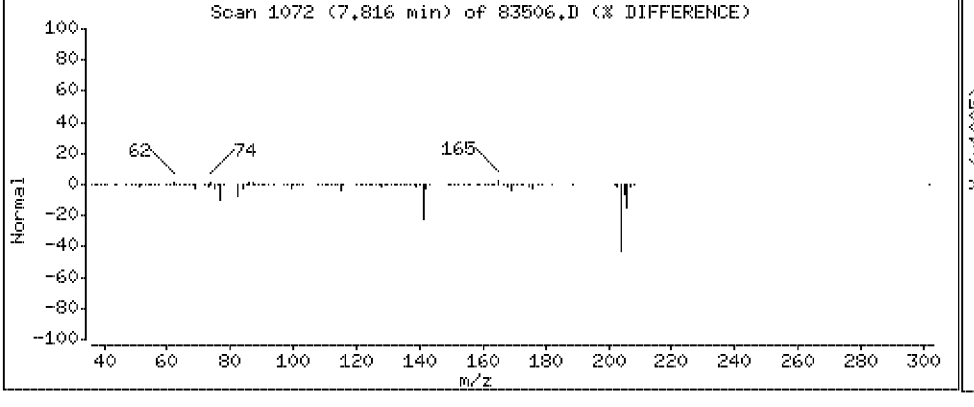
81 Fluorene

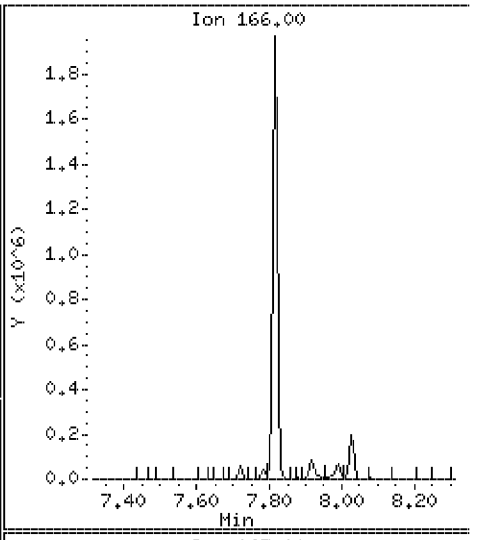
Concentration: 2690000 ug/kg

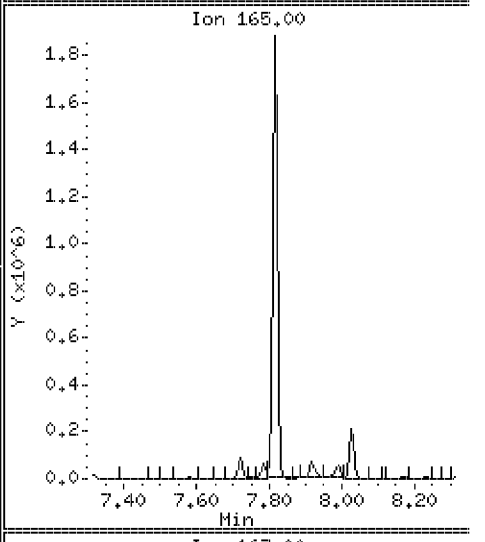


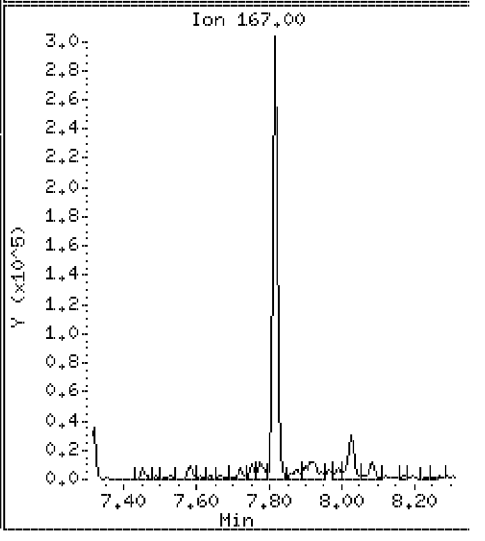












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

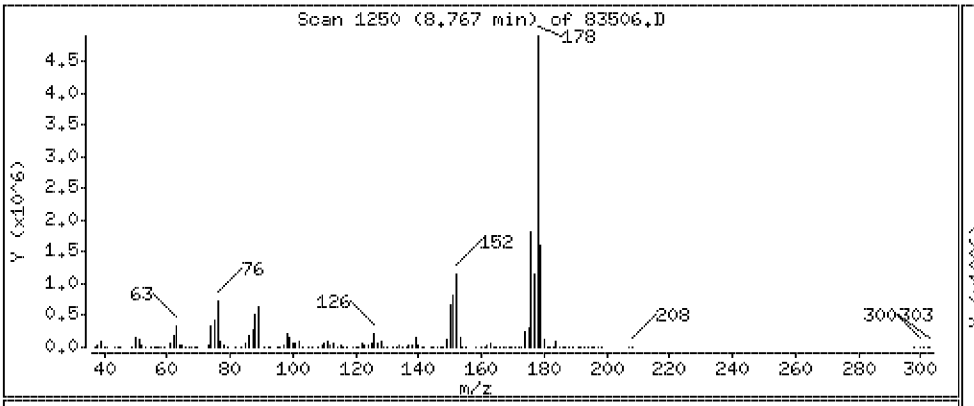
Operator: PEL

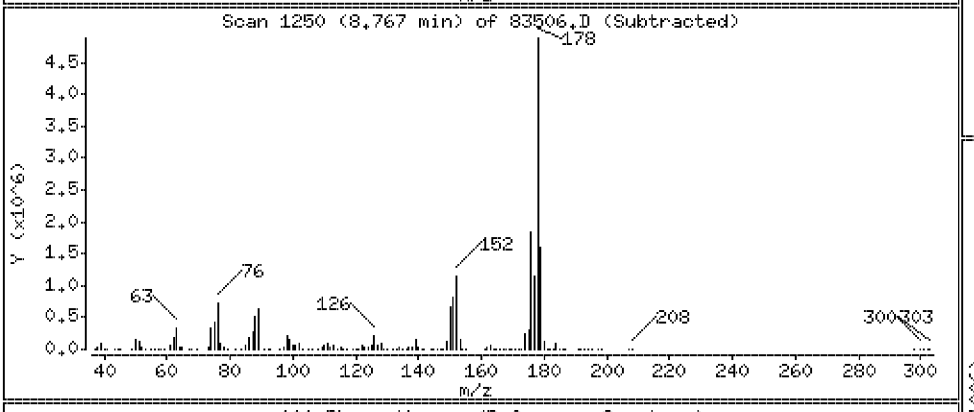
Column phase: HPMS-5

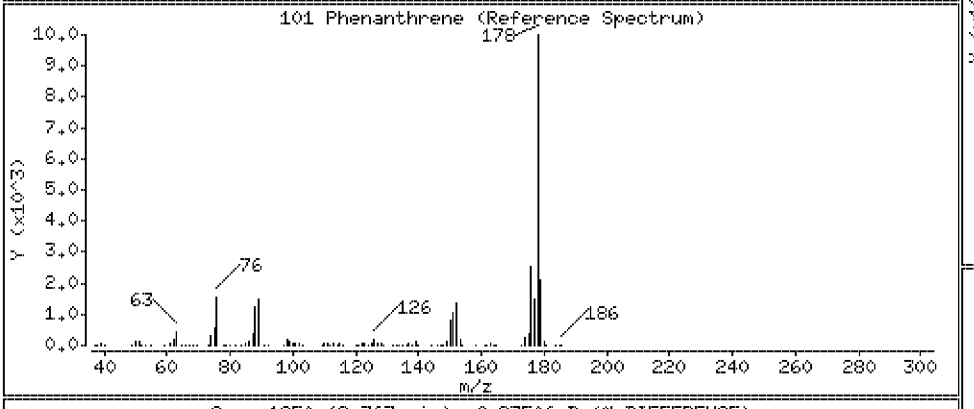
Column diameter: 0.25

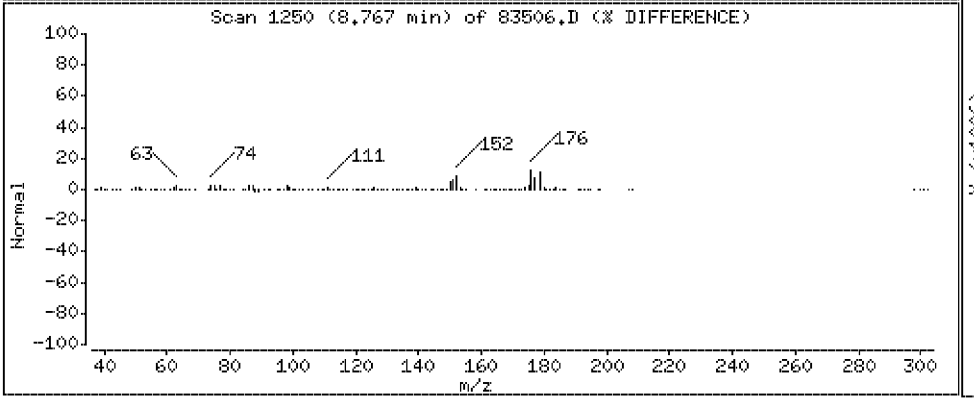
101 Phenanthrene

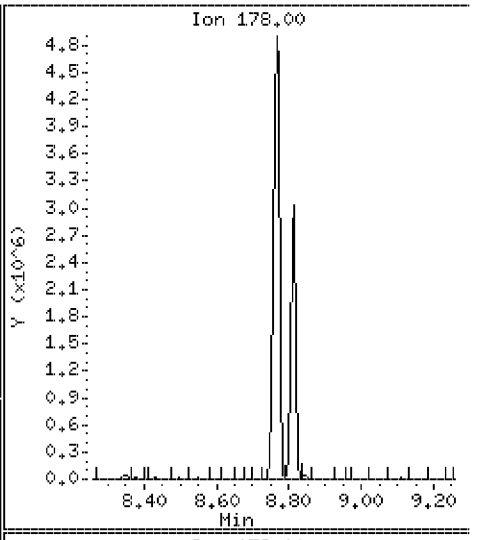
Concentration: 6610000 ug/kg

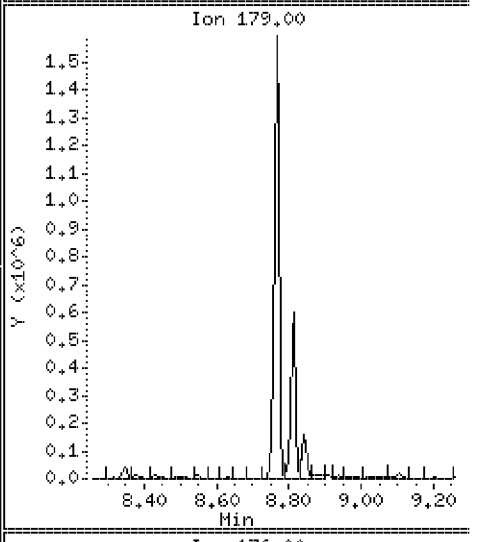


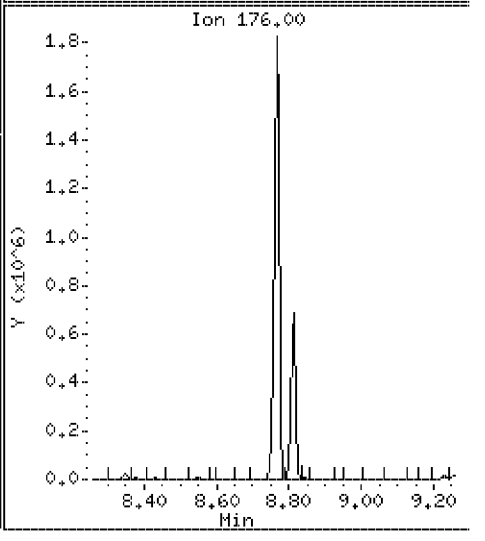












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

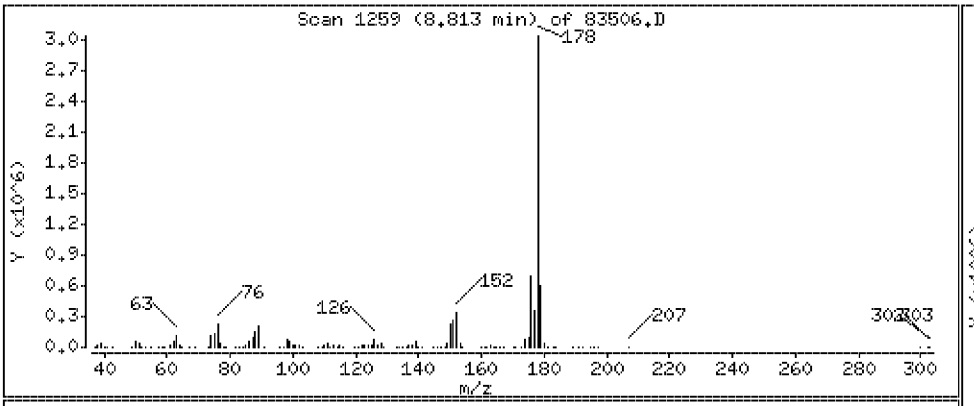
Operator: PEL

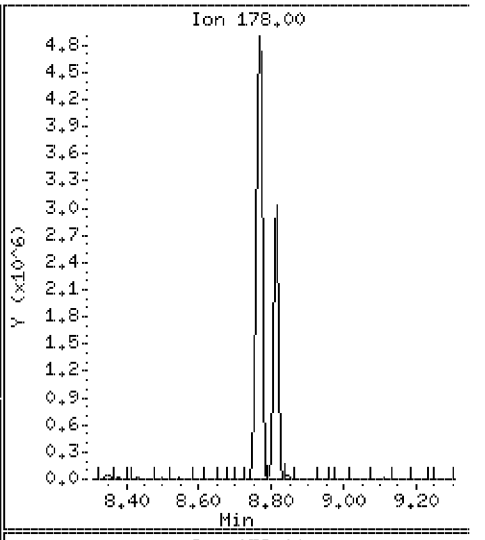
Column phase: HPMS-5

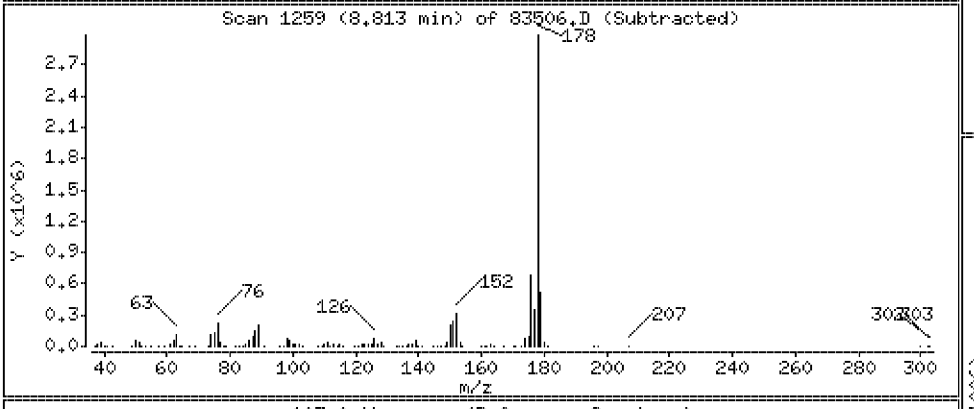
Column diameter: 0.25

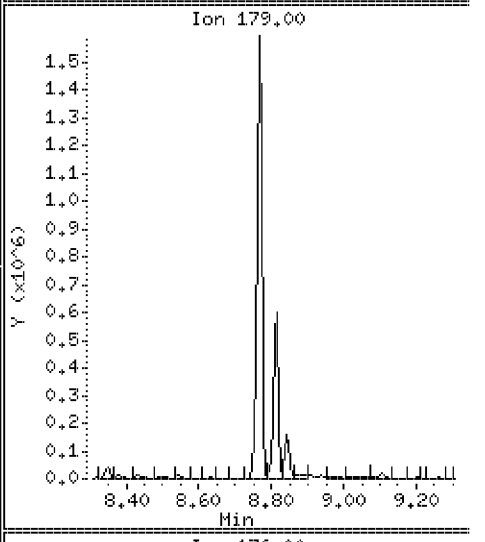
103 Anthracene

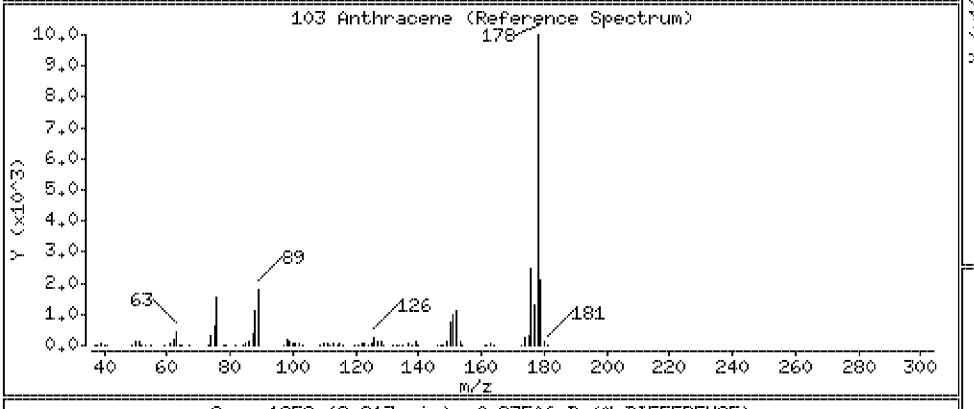
Concentration: 3200000 ug/kg

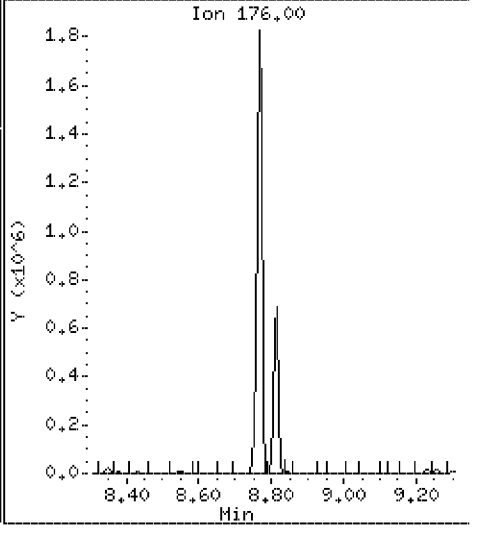


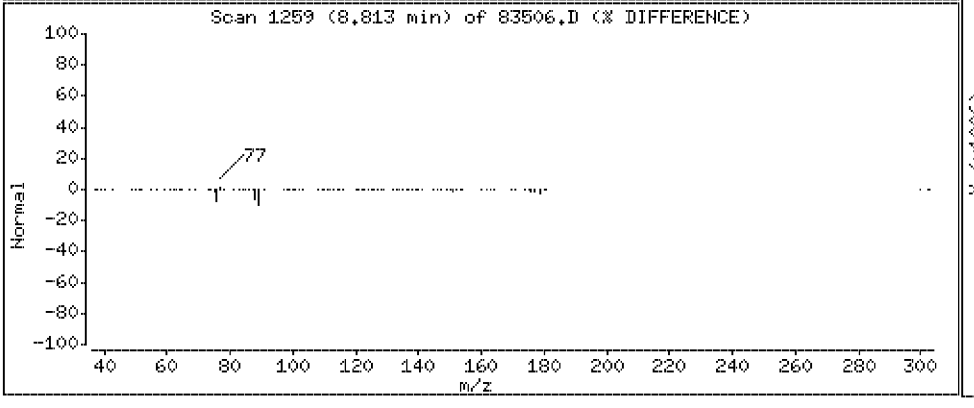












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

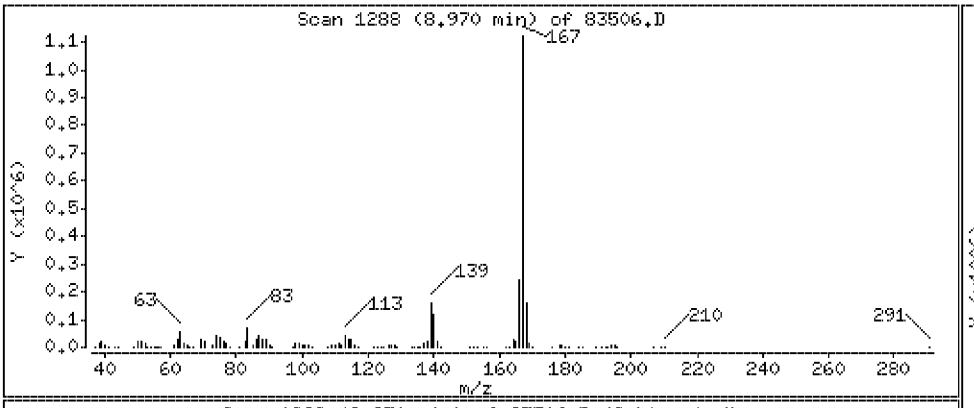
Operator: PEL

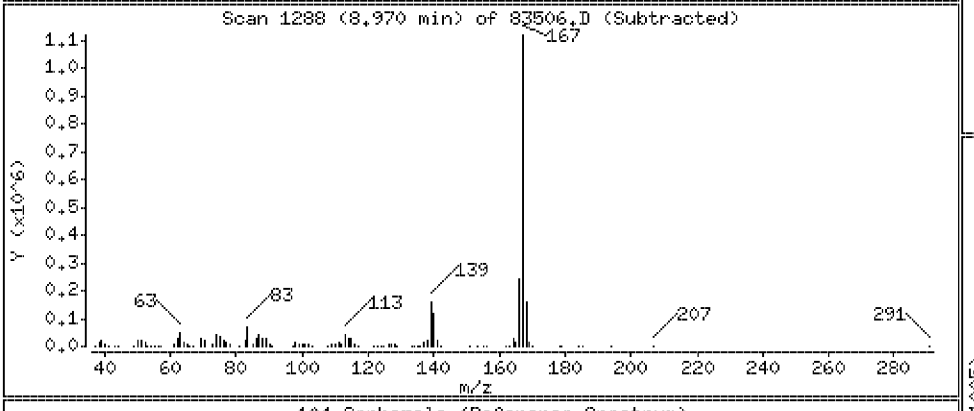
Column phase: HPMS-5

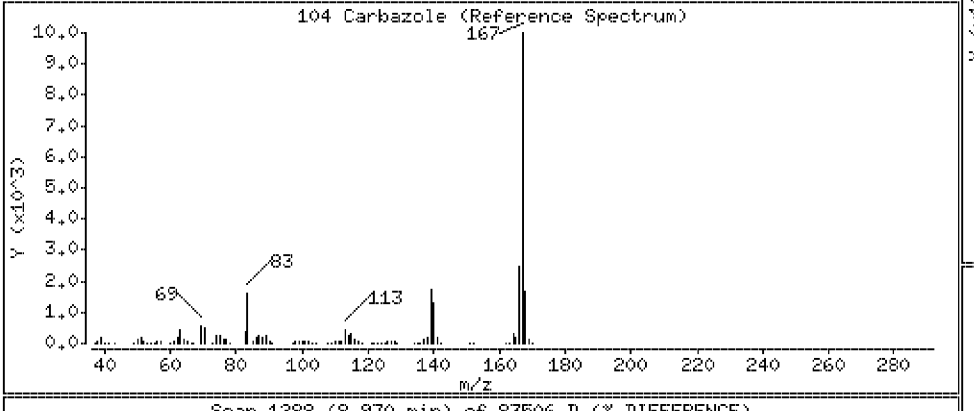
Column diameter: 0.25

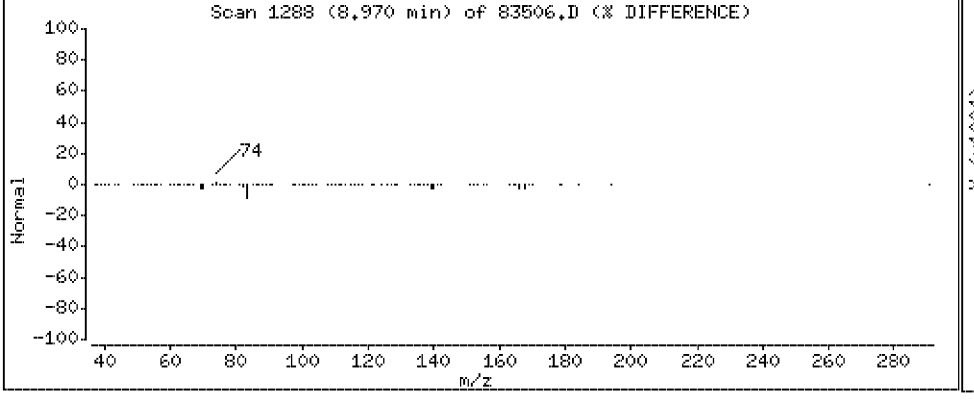
104 Carbazole

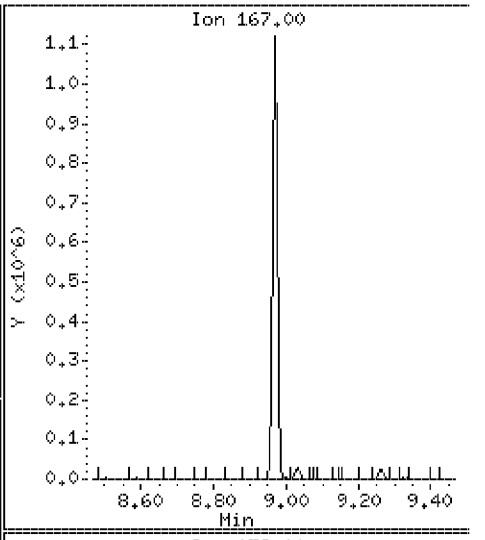
Concentration: 1370000 ug/kg

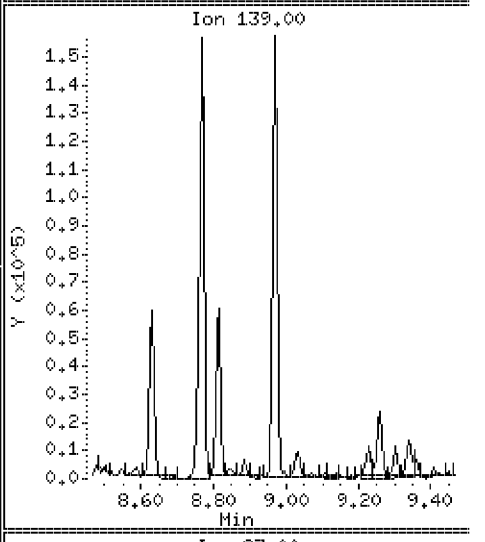


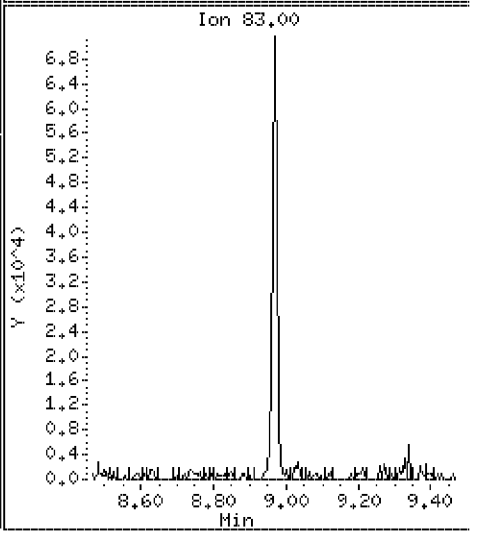












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

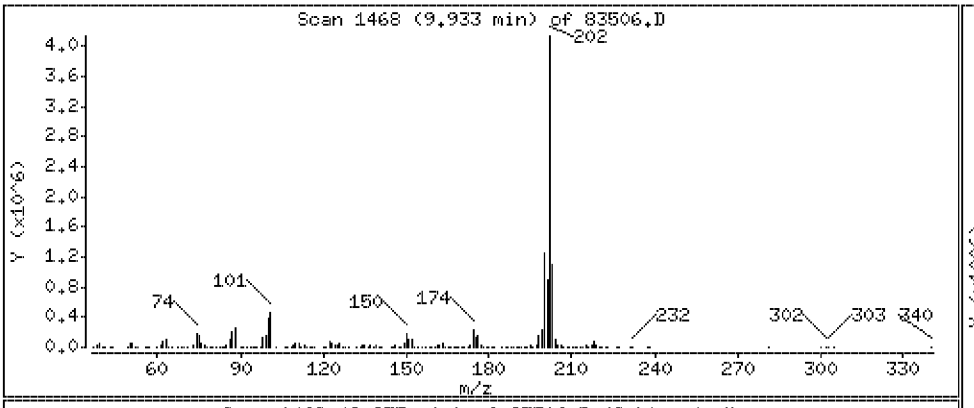
Operator: PEL

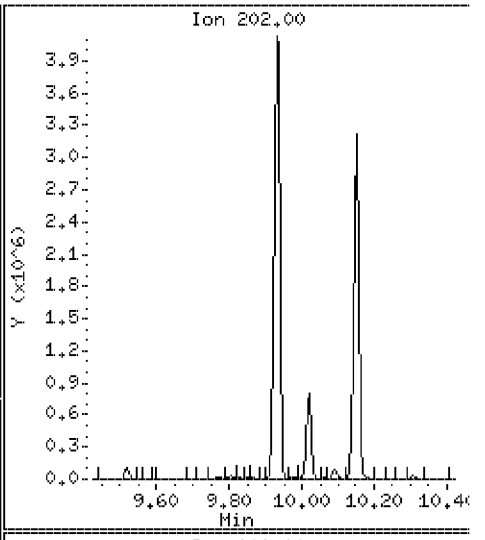
Column phase: HPMS-5

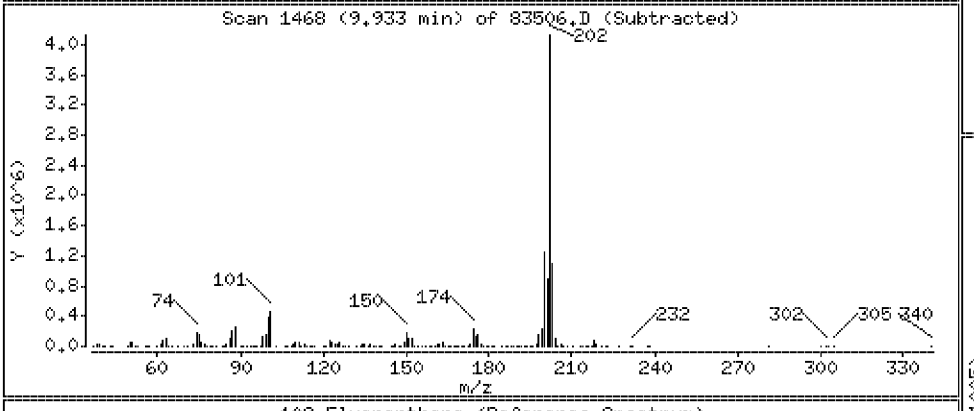
Column diameter: 0.25

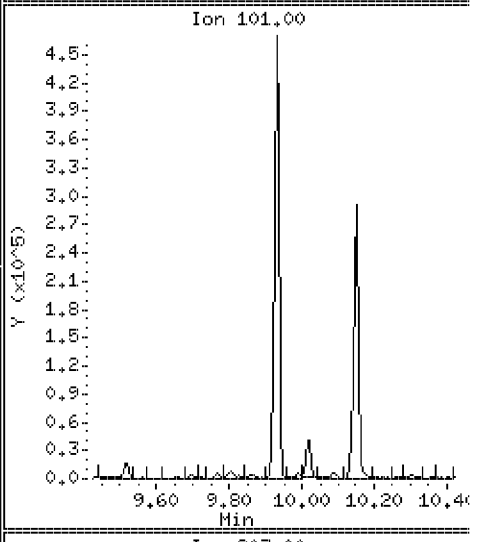
109 Fluoranthene

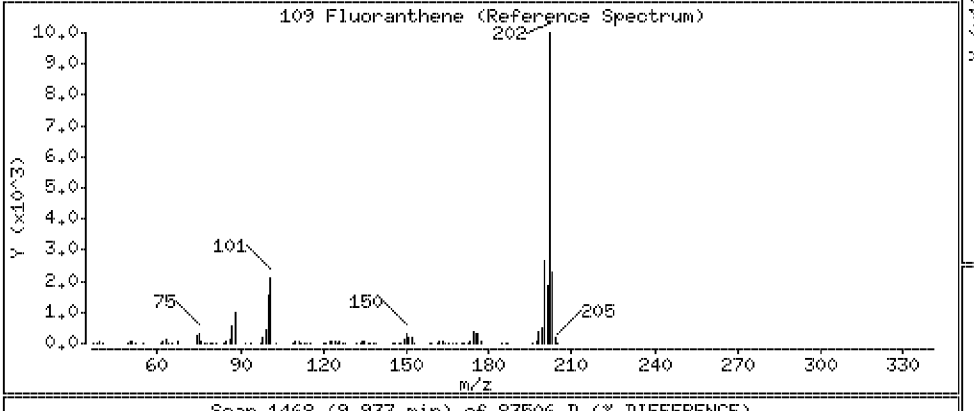
Concentration: 4570000 ug/kg

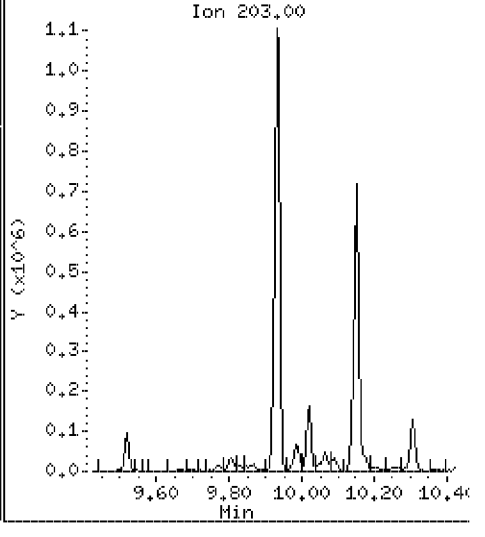


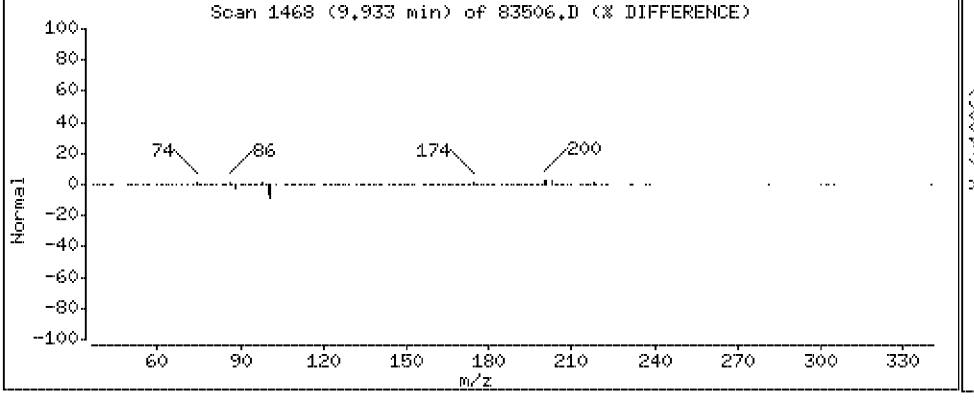












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

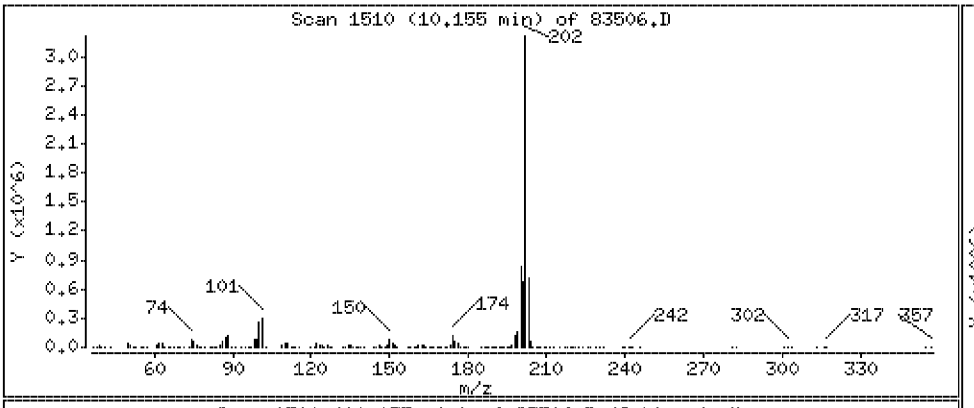
Operator: PEL

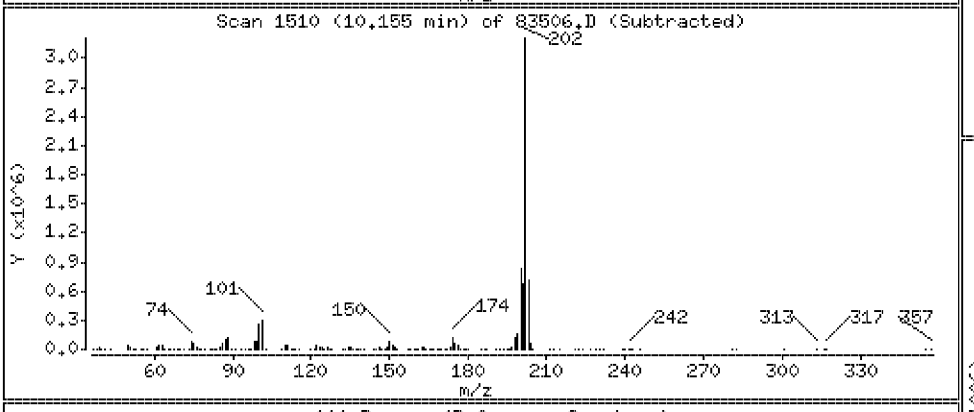
Column phase: HPMS-5

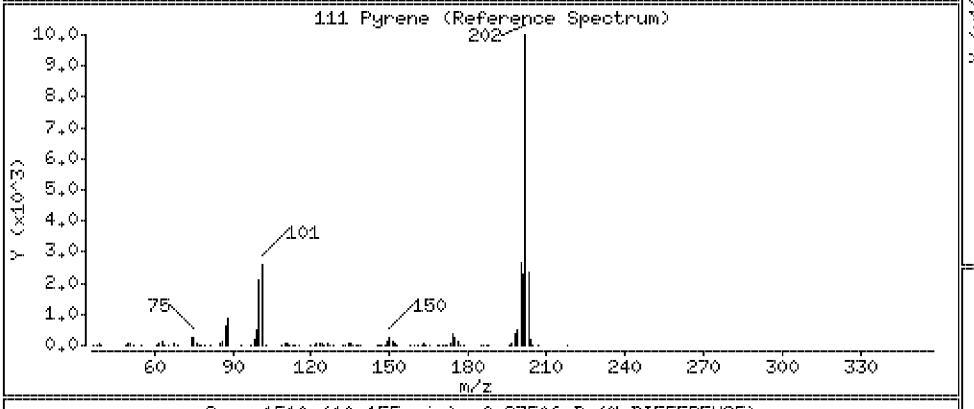
Column diameter: 0.25

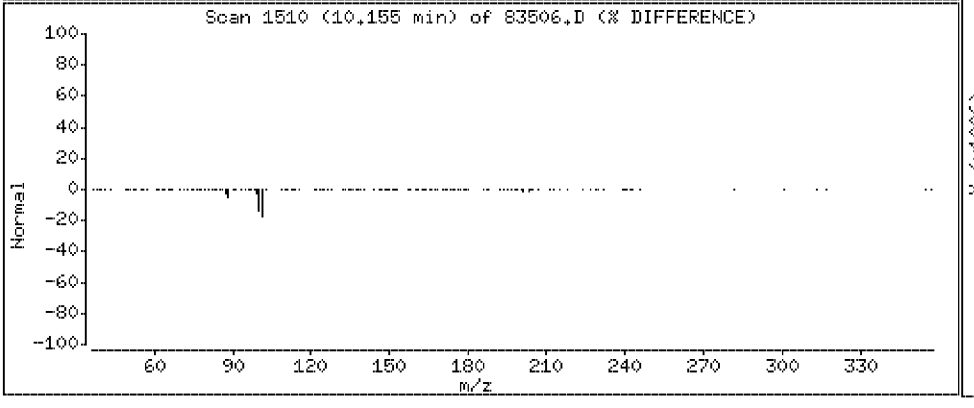
111 Pyrene

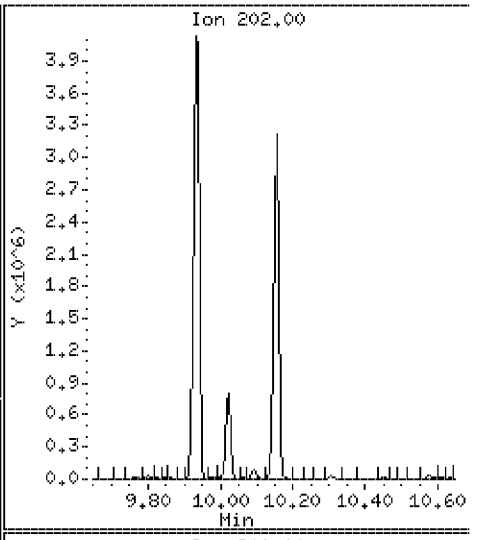
Concentration: 3030000 ug/kg

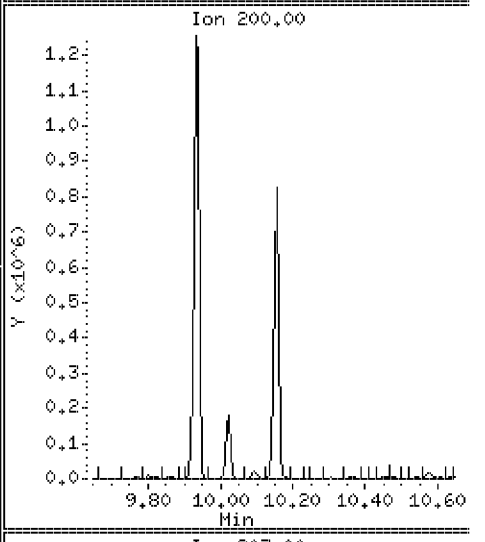


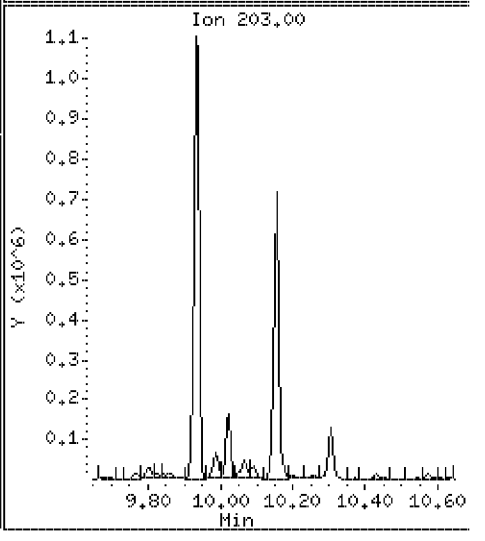












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

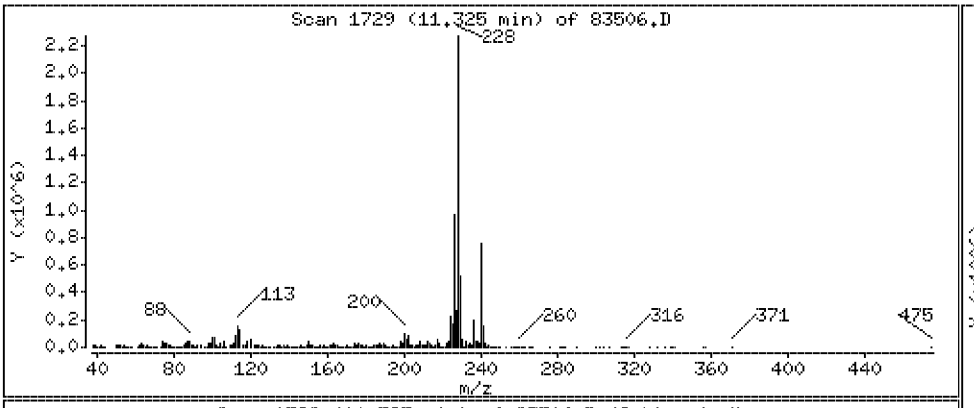
Operator: PEL

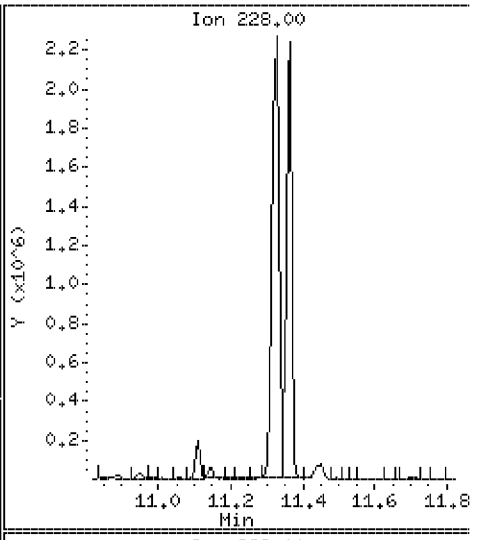
Column phase: HPMS-5

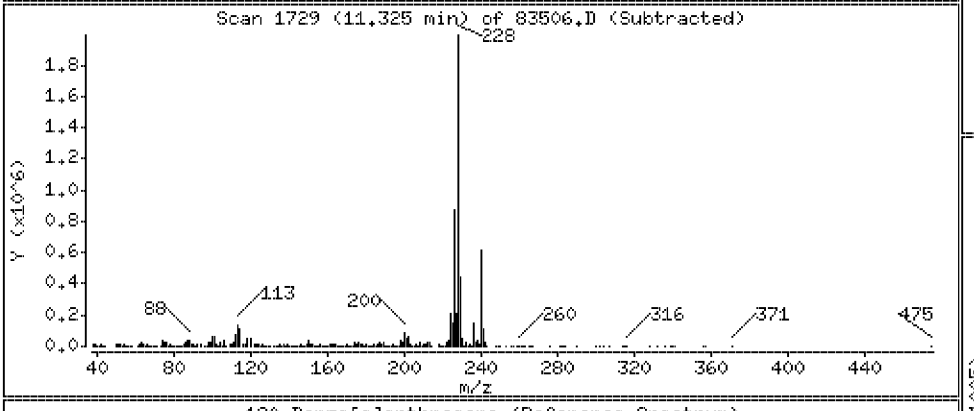
Column diameter: 0.25

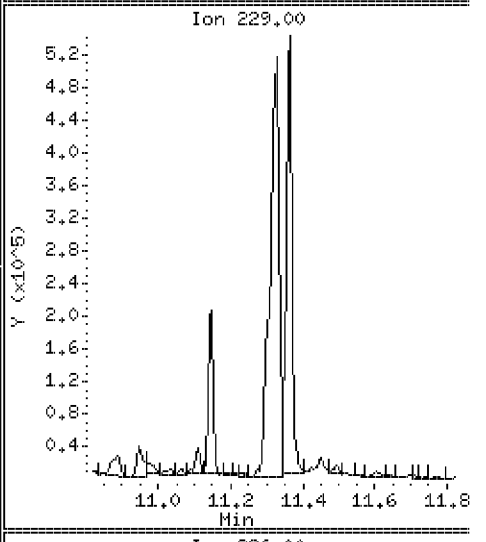
120 Benzo[a]anthracene

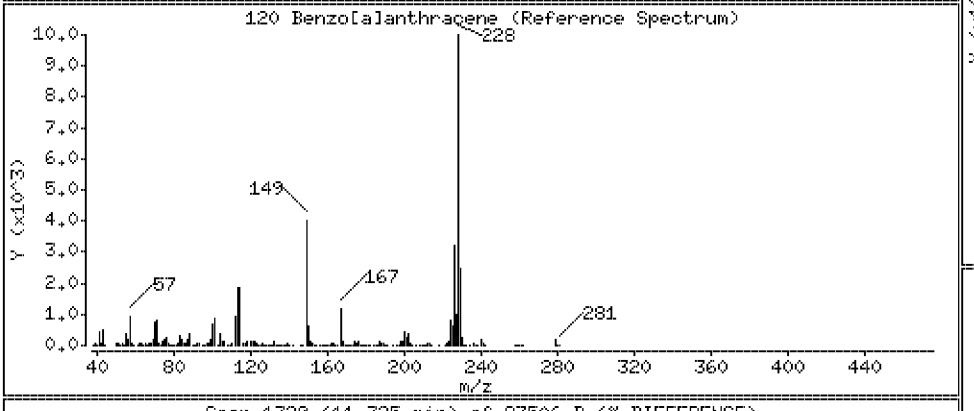
Concentration: 1950000 ug/kg

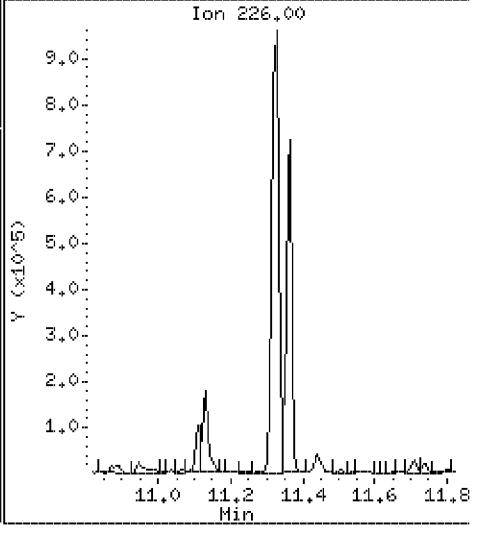


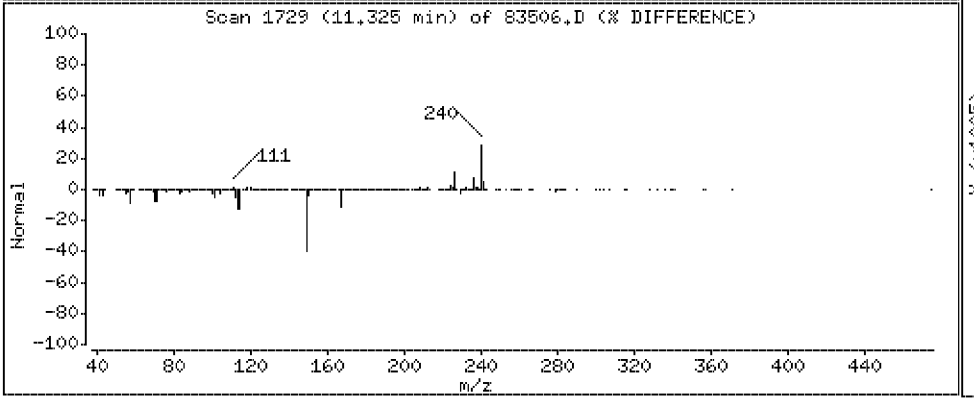












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

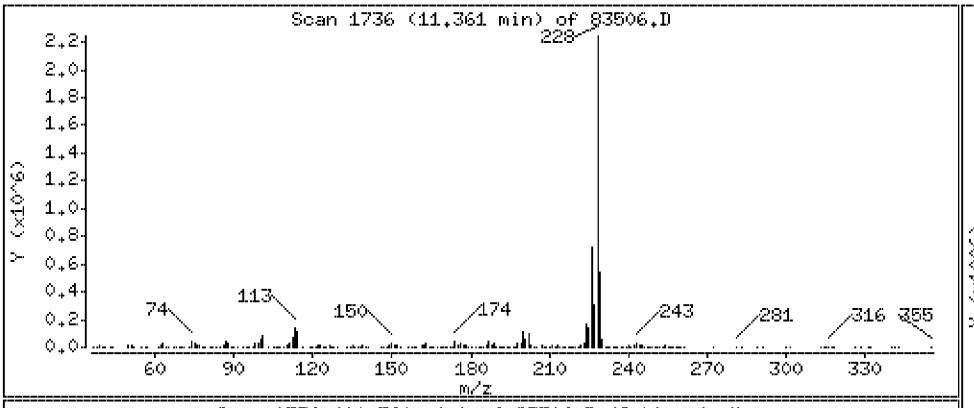
Operator: PEL

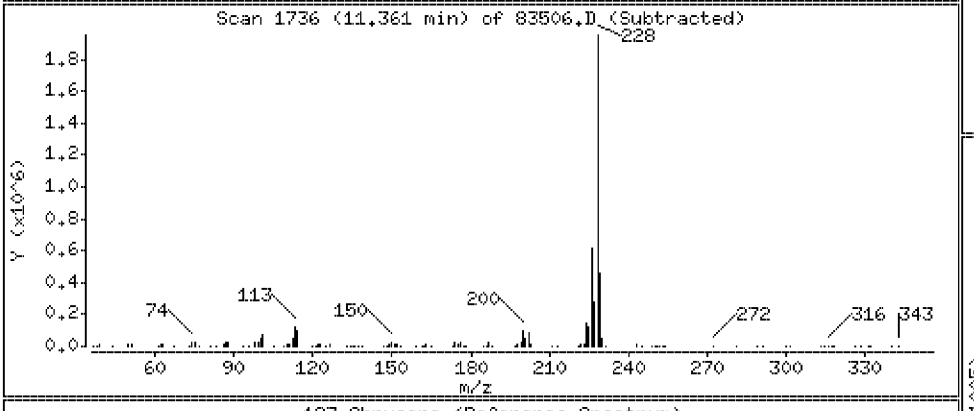
Column phase: HPMS-5

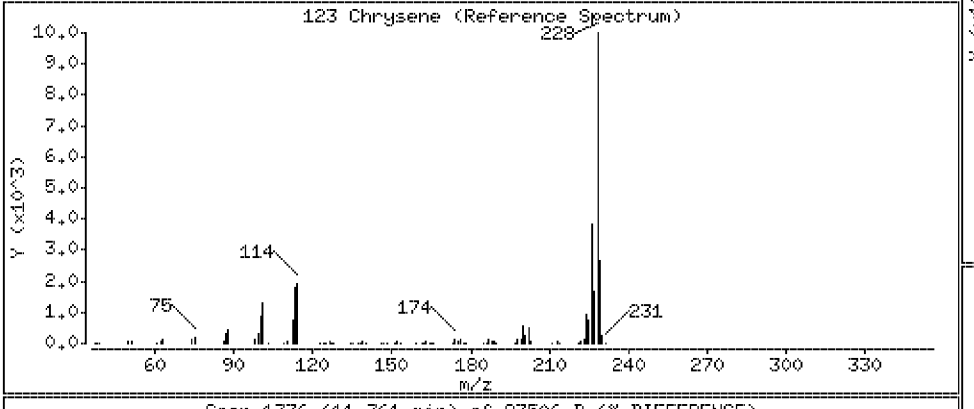
Column diameter: 0.25

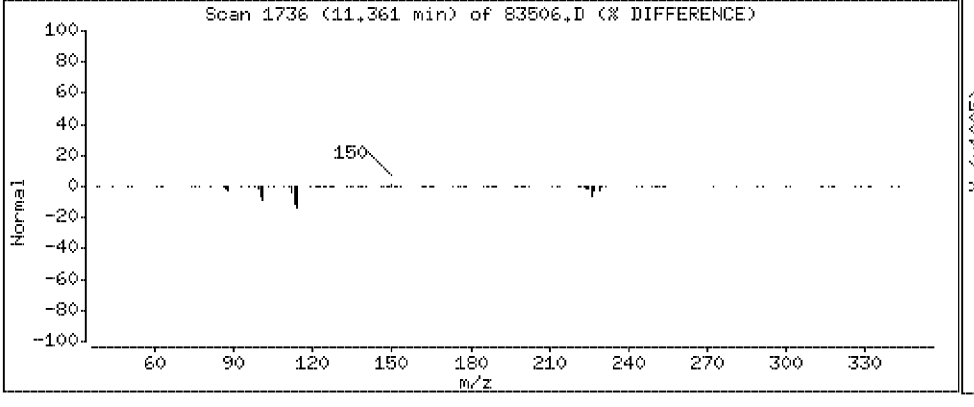
123 Chrysene

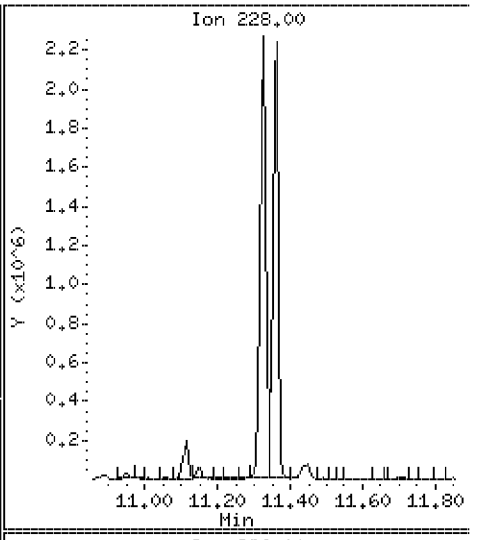
Concentration: 1970000 ug/kg

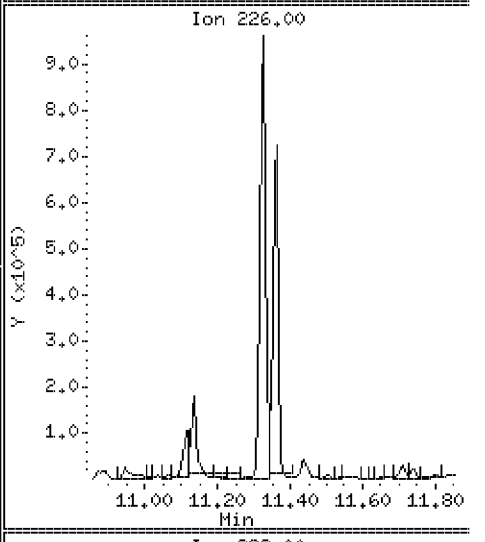


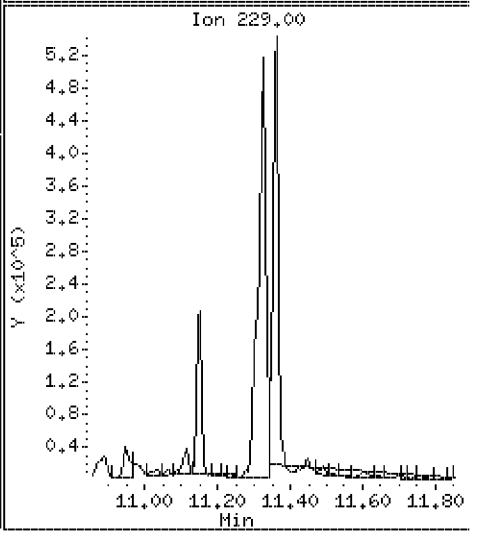












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

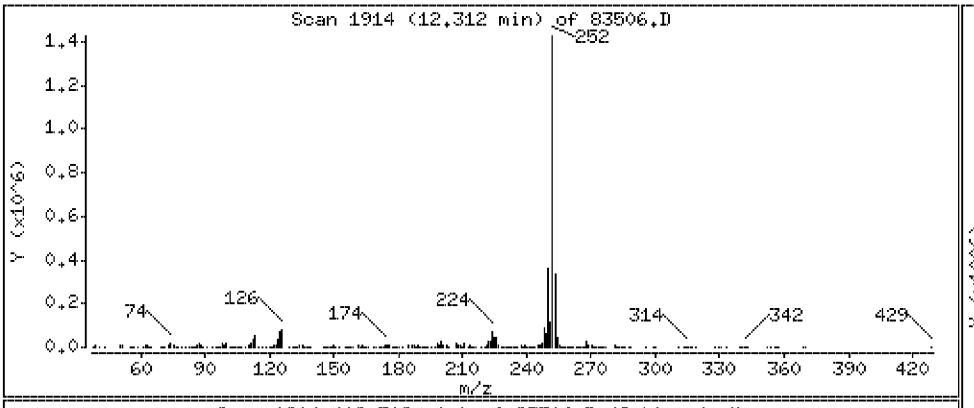
Operator: PEL

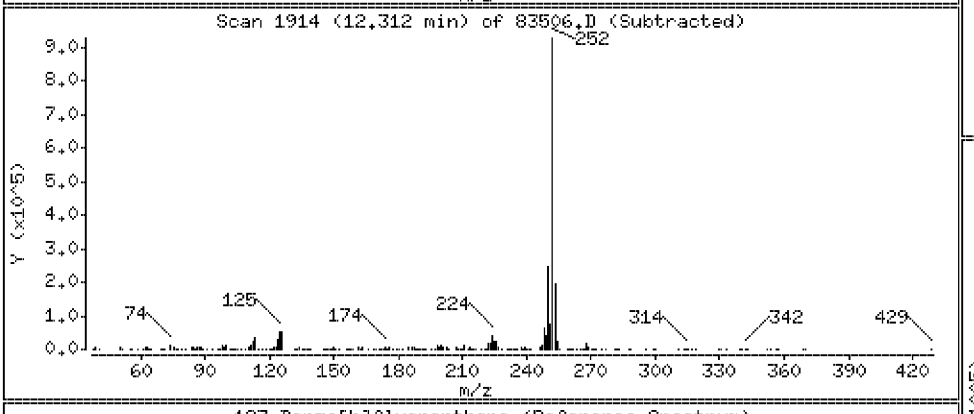
Column phase: HPMS-5

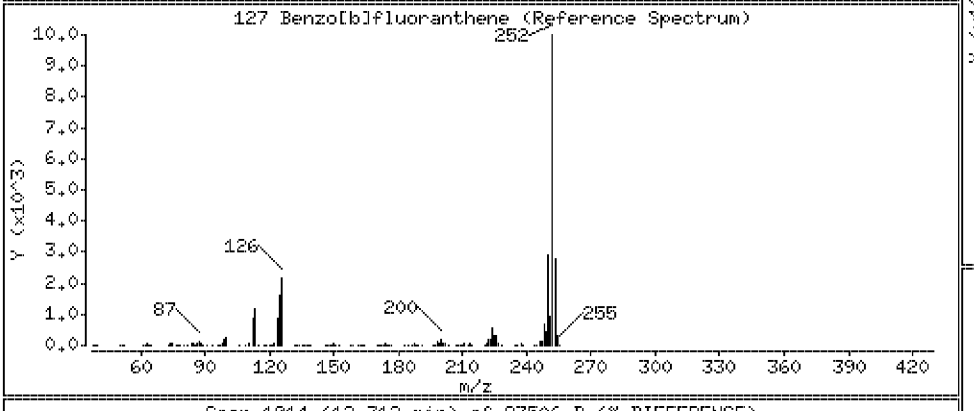
Column diameter: 0.25

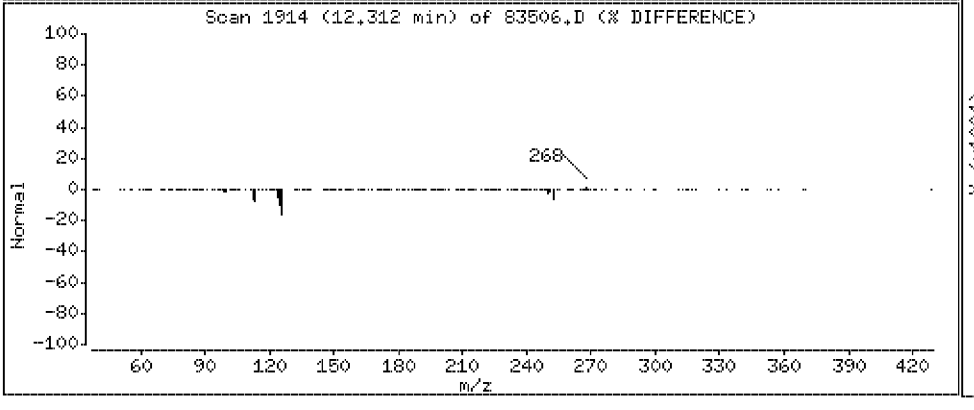
127 Benzo[b]fluoranthene

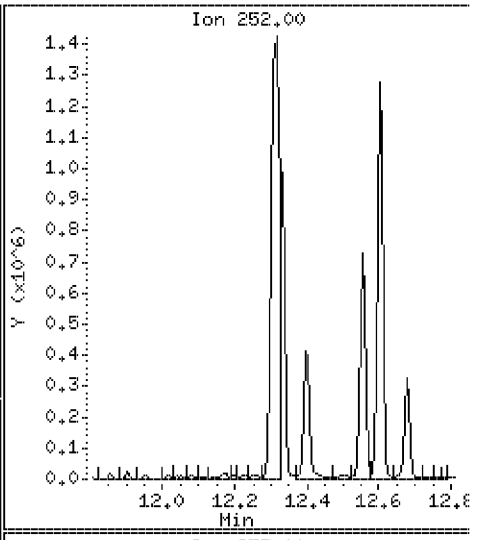
Concentration: 1800000 ug/kg

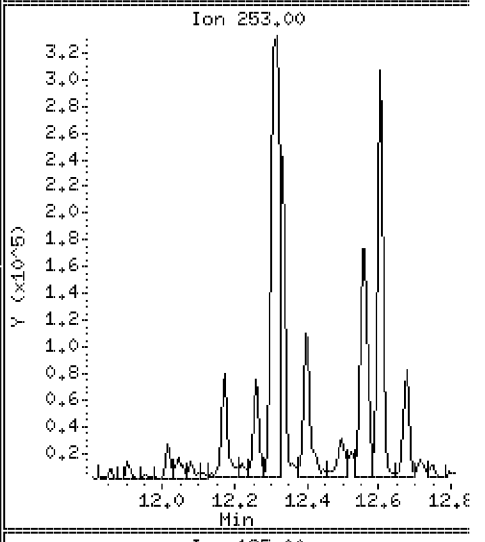


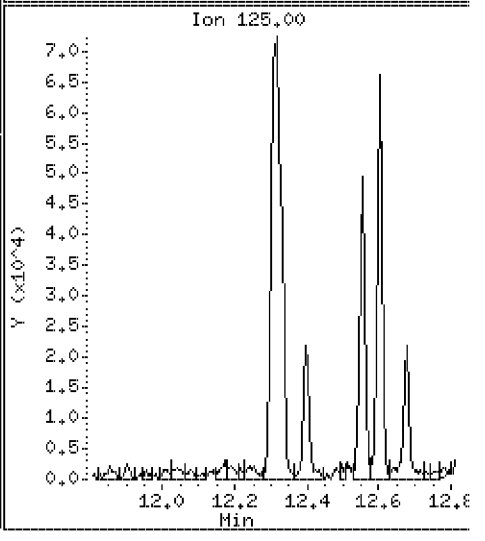












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

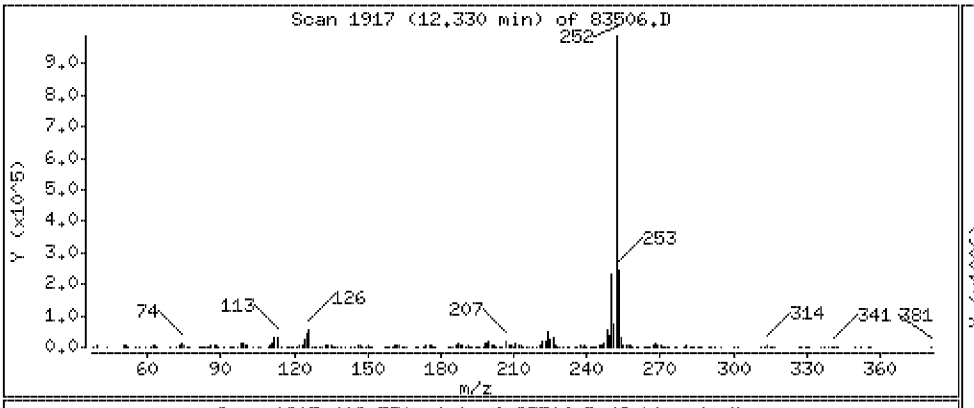
Operator: PEL

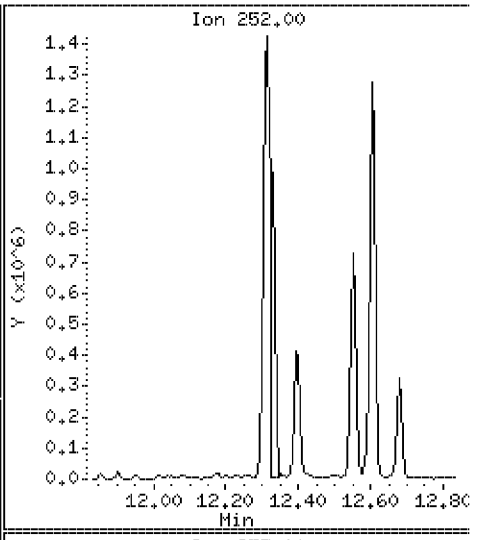
Column phase: HPMS-5

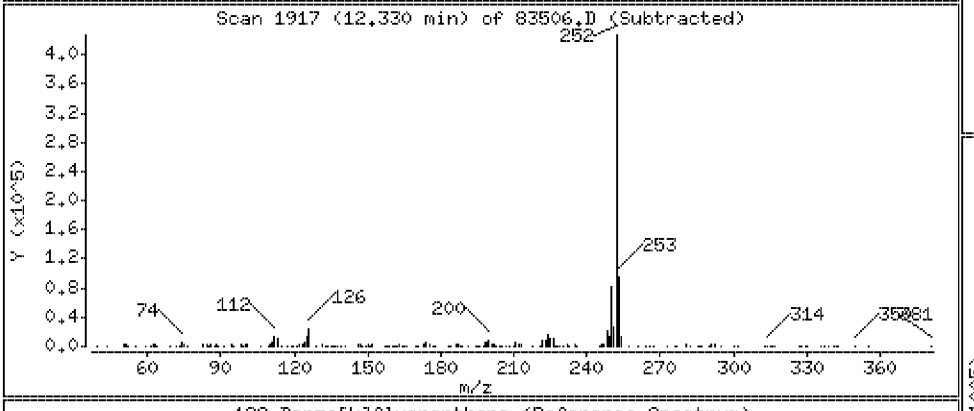
Column diameter: 0.25

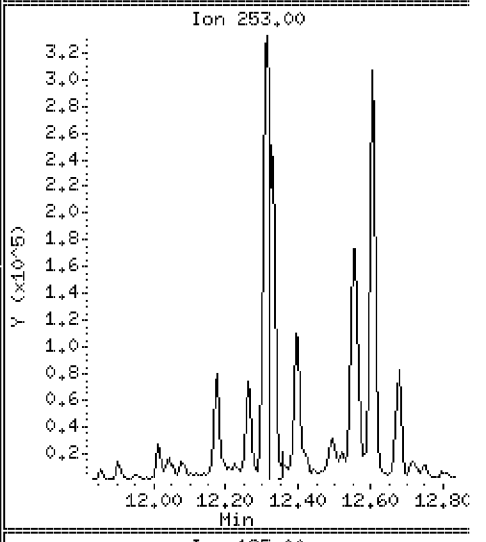
128 Benzo[k]fluoranthene

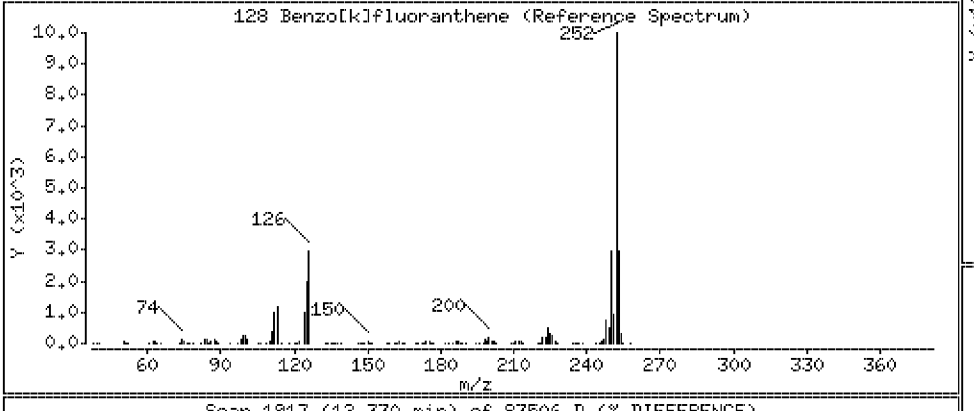
Concentration: 794000 ug/kg

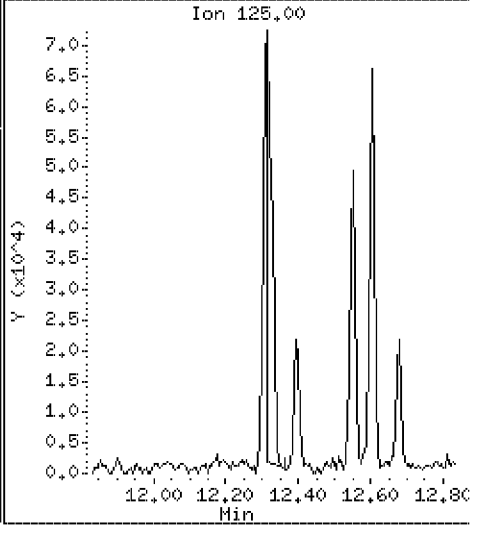


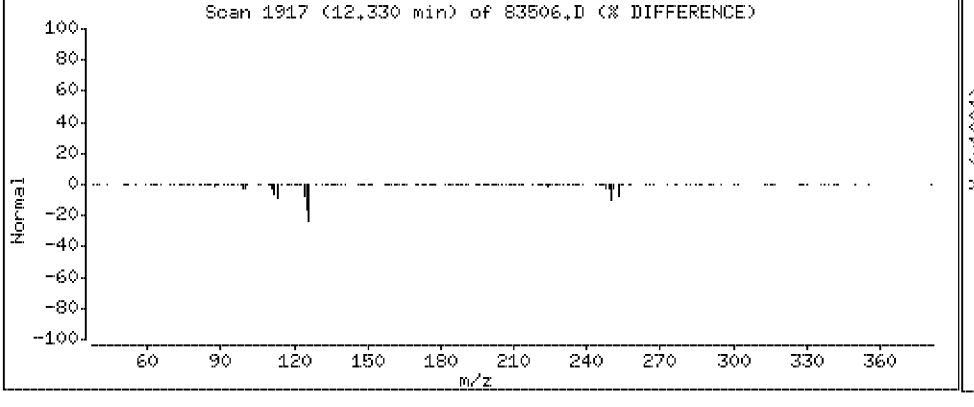












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Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

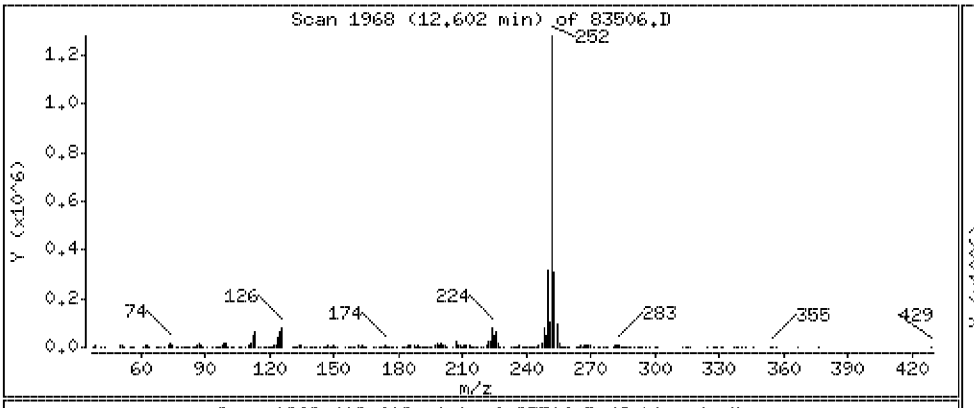
Operator: PEL

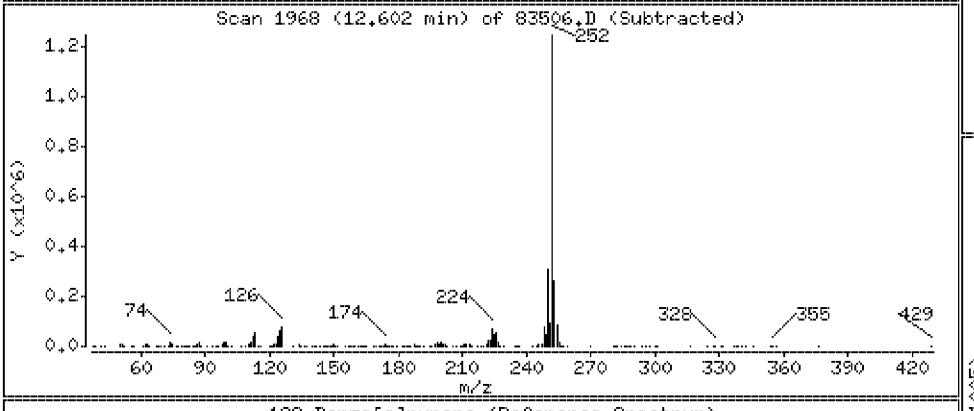
Column phase: HPMS-5

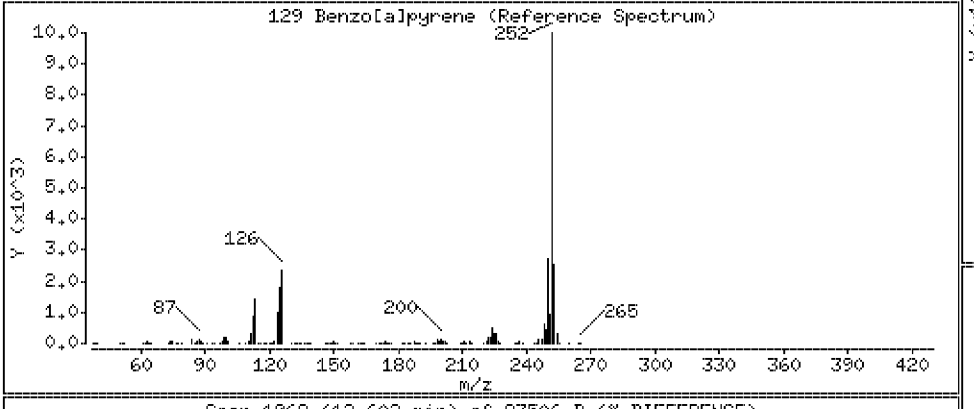
Column diameter: 0.25

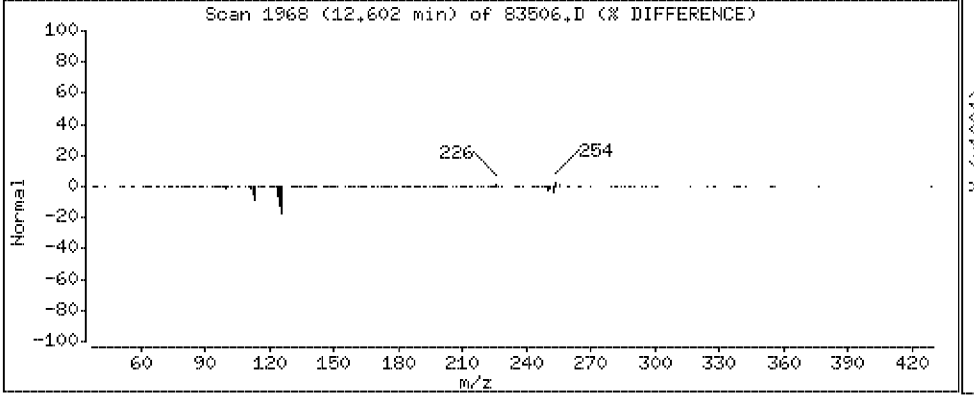
129 Benzo[a]pyrene

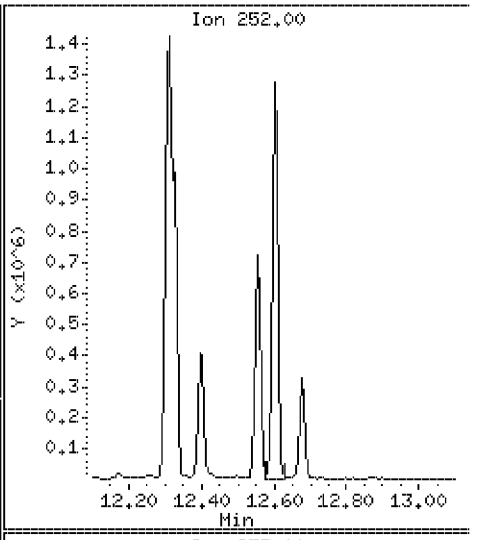
Concentration: 1230000 ug/kg

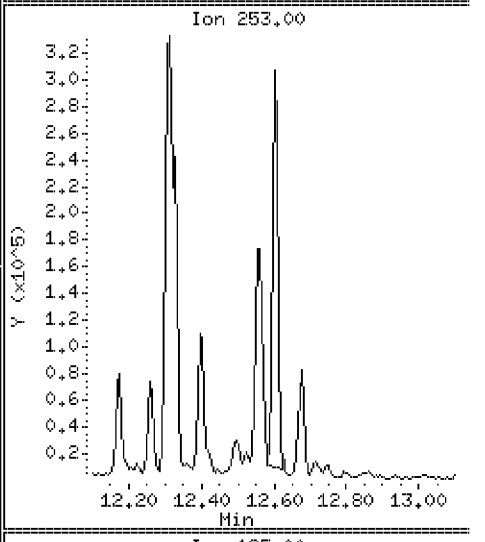


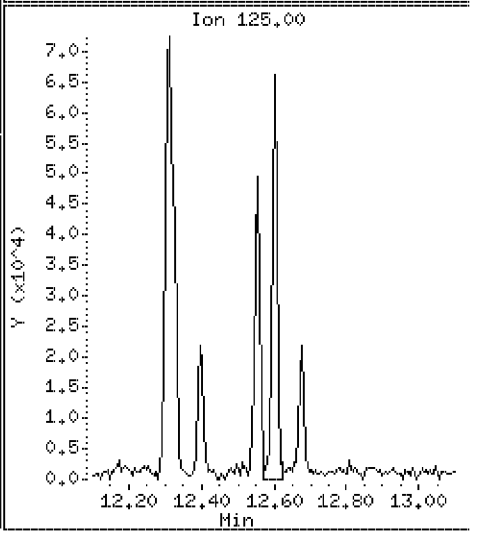












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

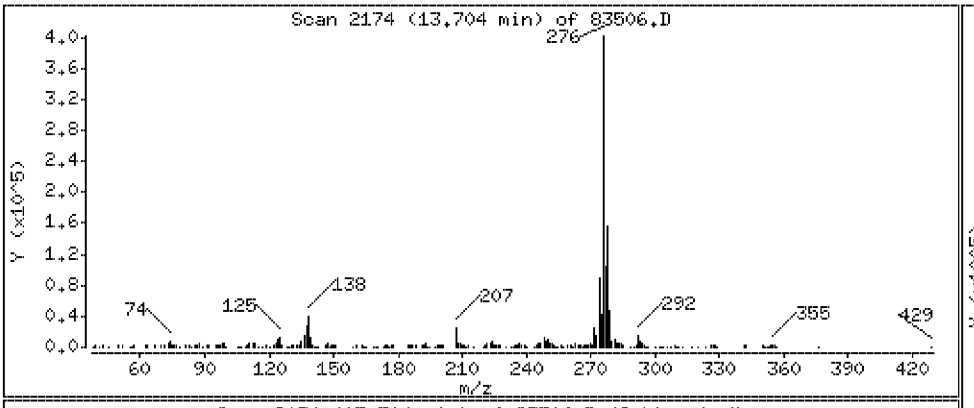
Operator: PEL

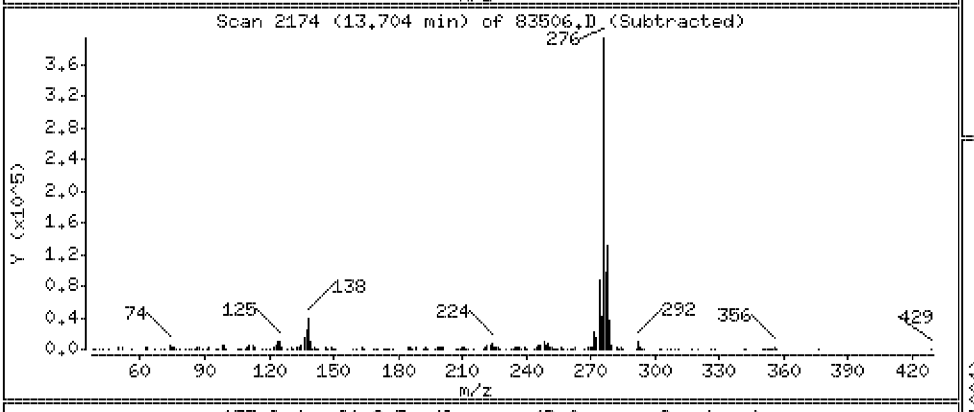
Column phase: HPMS-5

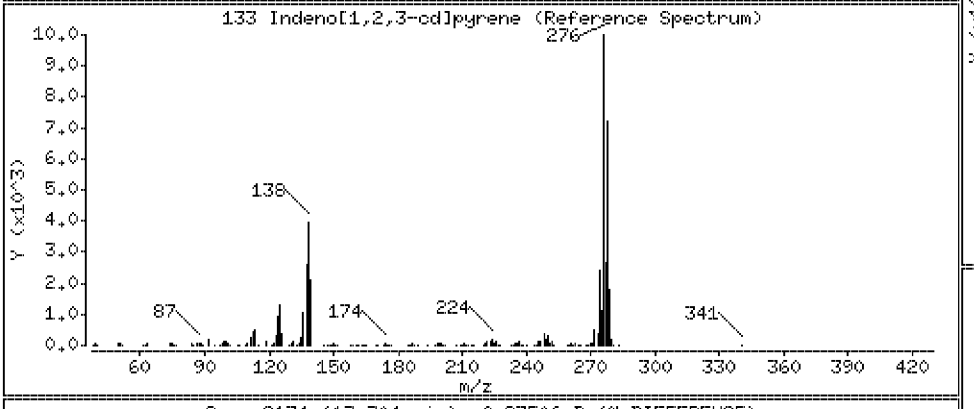
Column diameter: 0.25

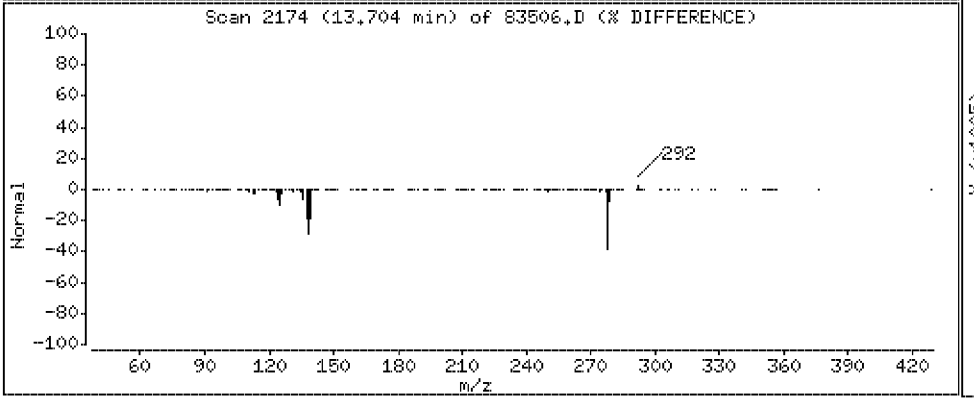
133 Indeno[1,2,3-cd]pyrene

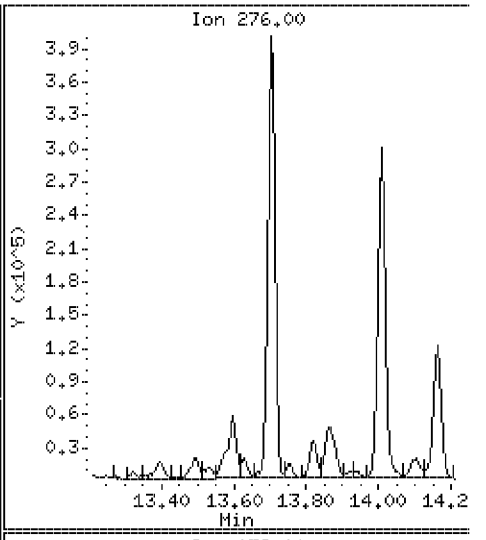
Concentration: 410000 ug/kg

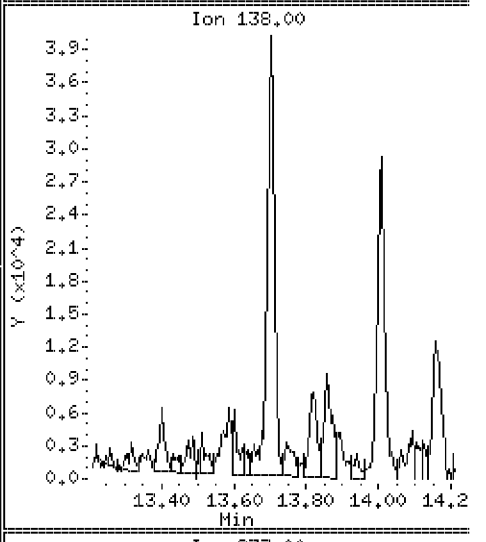


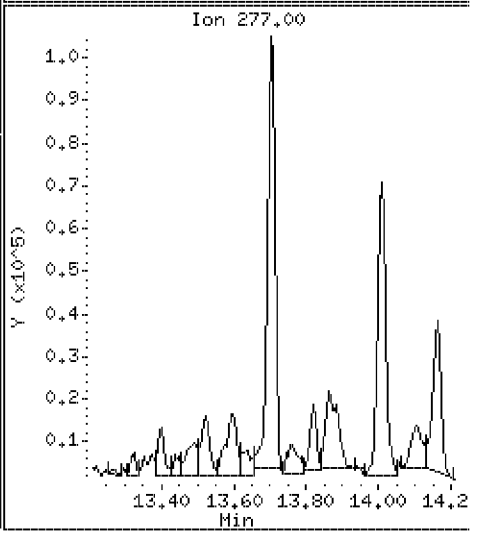












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

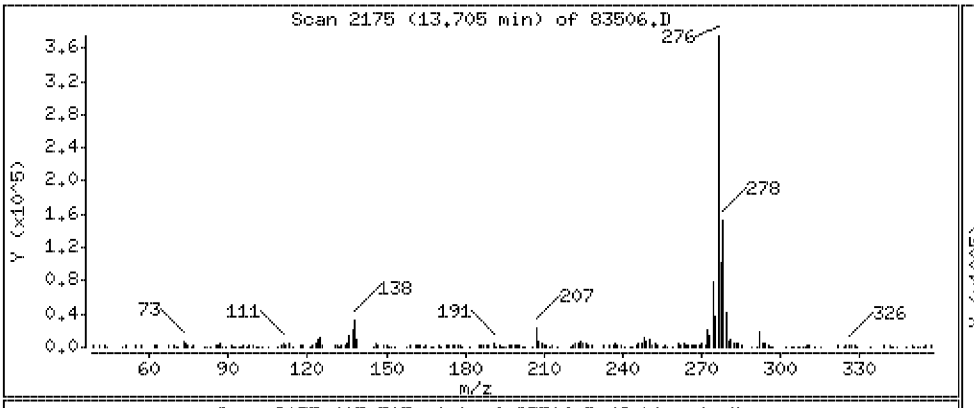
Operator: PEL

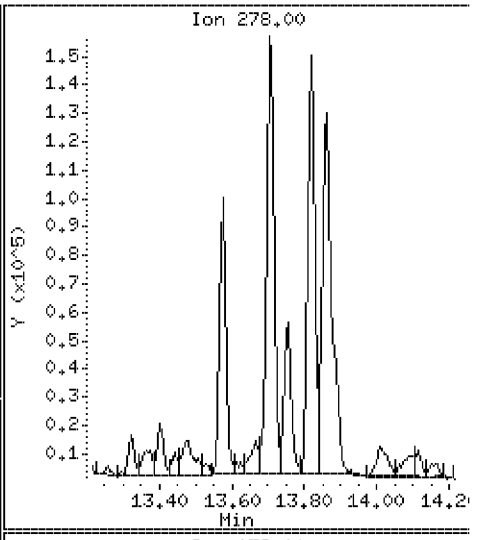
Column phase: HPMS-5

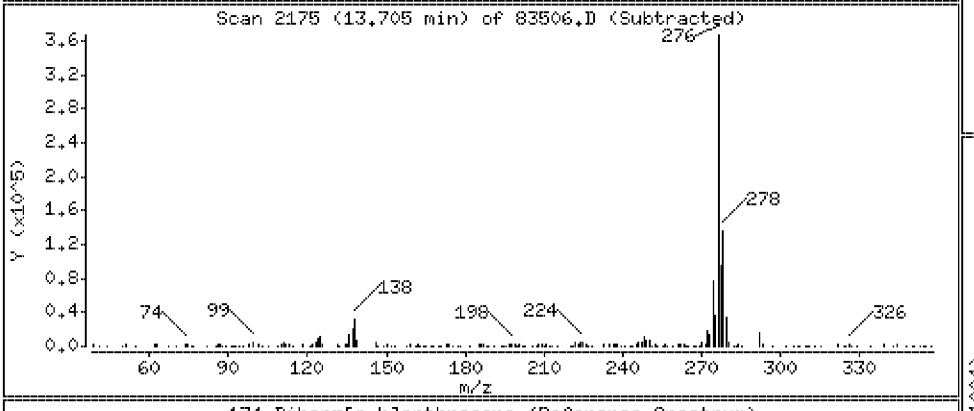
Column diameter: 0.25

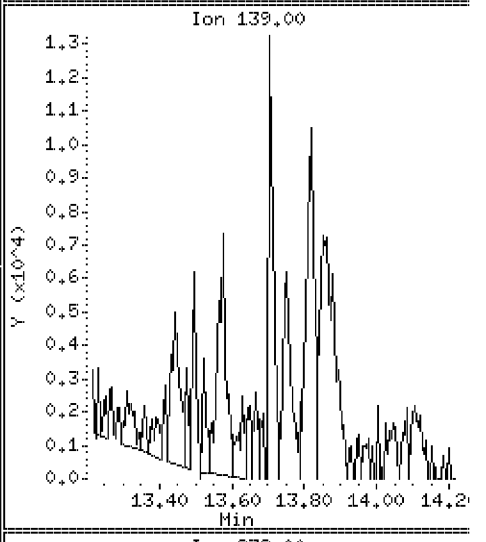
134 Dibenz[a,h]anthracene

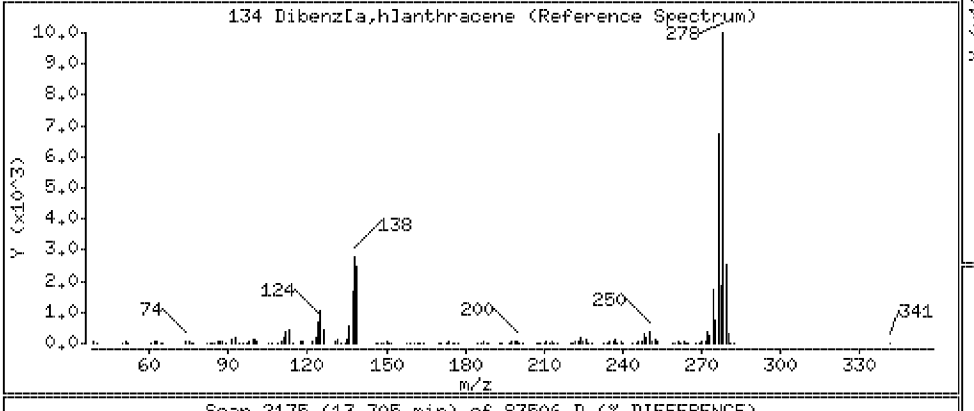
Concentration: 189000 ug/kg

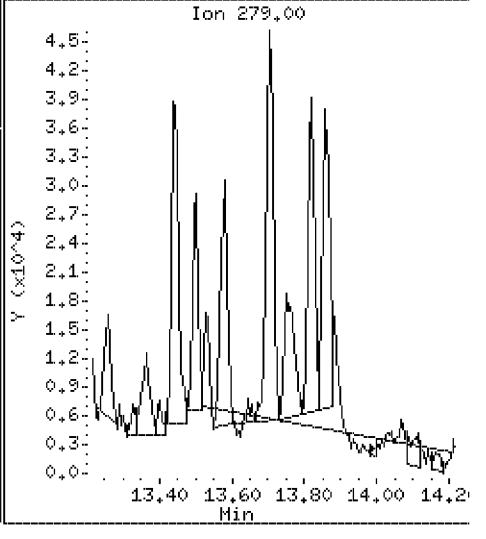


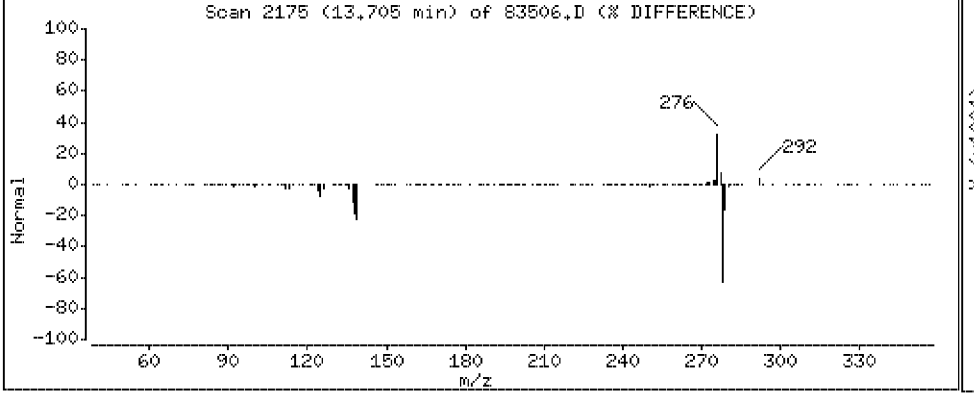












Data File: \\Svecd04\DD\chem\smsd03.i\S3042612.b\83506.D

Date : 26-APR-2012 21:08

Client ID: EPAFMC-SD-06

Instrument: smsd03.i

Sample Info: sw350583506

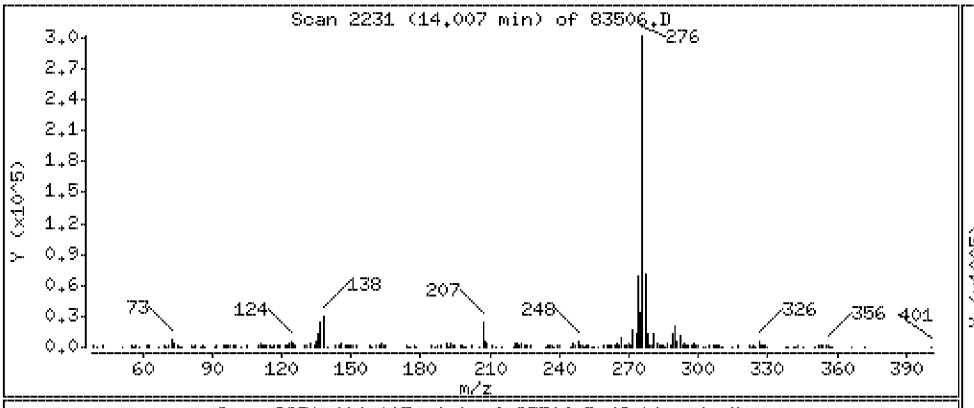
Operator: PEL

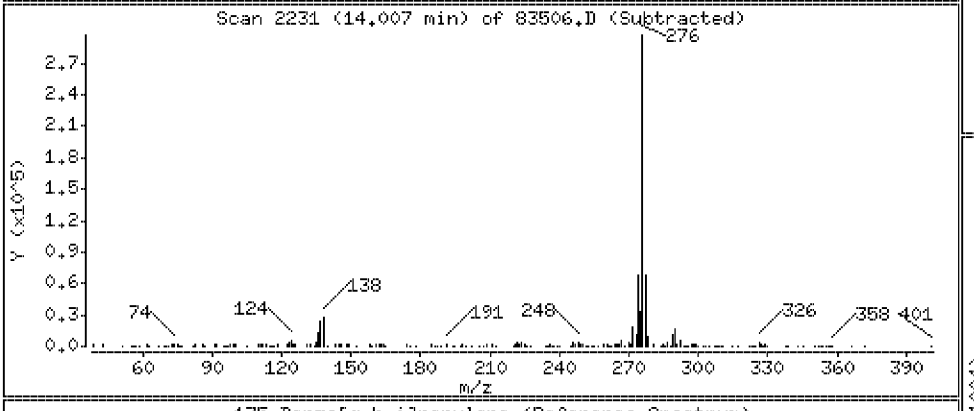
Column phase: HPMS-5

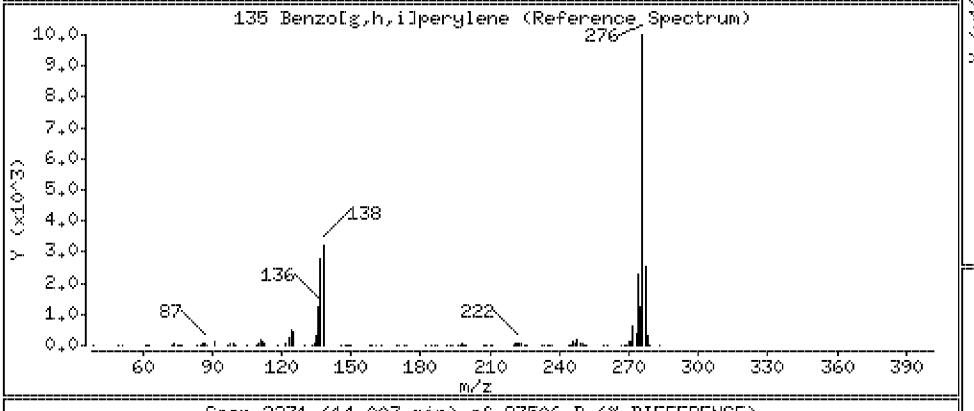
Column diameter: 0.25

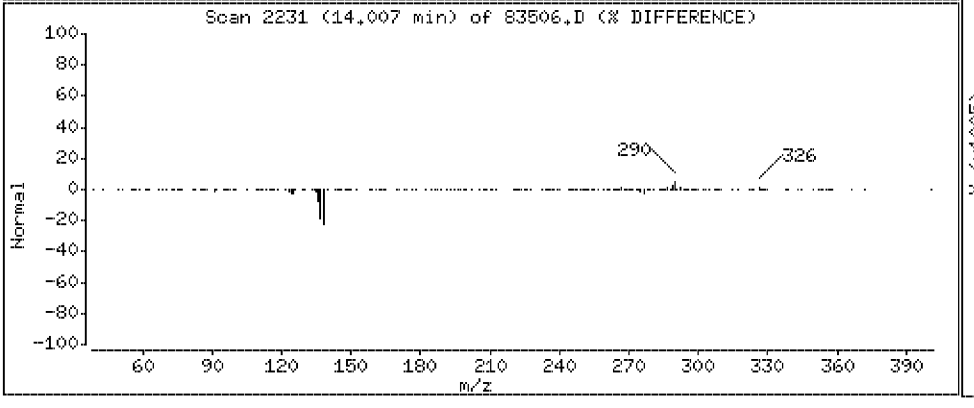
135 Benzo[g,h,i]perylene

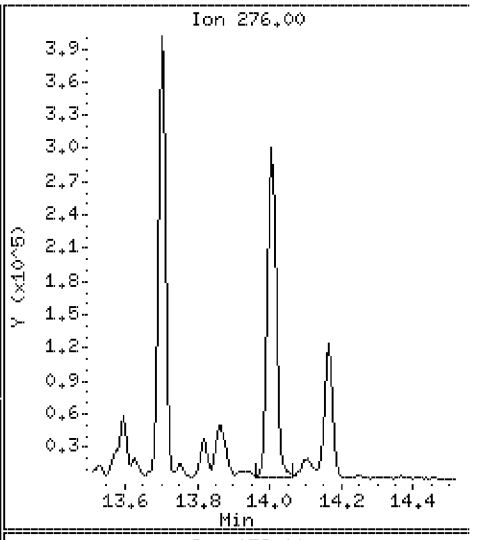
Concentration: 418000 ug/kg

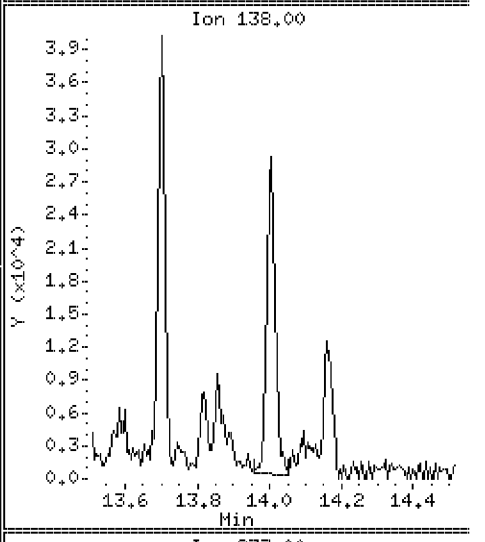


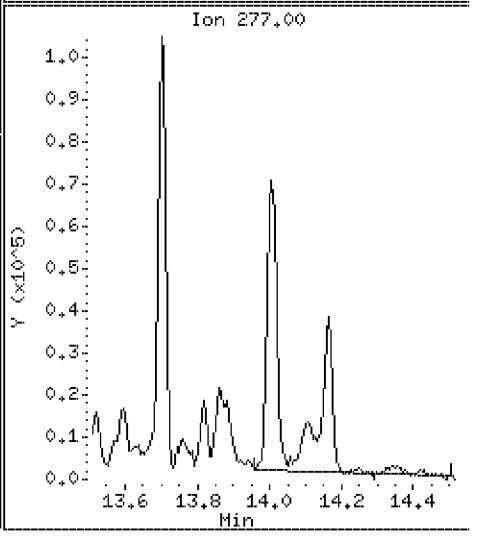












Raw Data Method 8082

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8082

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
STD1061637 *	44134	SECD0403/19/12-1235~E4031912	1232CAL3.D	E4031912	1	SECD04	03/19/12 10:19	1
STD1068282 *	44134	SECD0403/19/12-1235~E4031912	1232CAL3.D	E4031912	2	SECD04	03/19/12 10:19	1
STD1061638 *	44821	SECD0403/19/12-1235~E4031912	1242CAL3.D	E4031912	1	SECD04	03/19/12 10:34	1
STD1068283 *	44821	SECD0403/19/12-1235~E4031912	1242CAL3.D	E4031912	2	SECD04	03/19/12 10:34	1
STD1061639 *	44340	SECD0403/19/12-1235~E4031912	1248CAL3.D	E4031912	1	SECD04	03/19/12 10:49	1
STD1068284 *	44340	SECD0403/19/12-1235~E4031912	1248CAL3.D	E4031912	2	SECD04	03/19/12 10:49	1
STD1061640 *	44135	SECD0403/19/12-1235~E4031912	2154CAL3.D	E4031912	1	SECD04	03/19/12 11:04	1
STD1068285 *	44135	SECD0403/19/12-1235~E4031912	2154CAL3.D	E4031912	2	SECD04	03/19/12 11:04	1
STD1061641 *	44128	SECD0403/19/12-1235~E4031912	ACAL1.D	E4031912	1	SECD04	03/19/12 11:19	1
STD1068286 *	44128	SECD0403/19/12-1235~E4031912	ACAL1.D	E4031912	2	SECD04	03/19/12 11:19	1
STD1061642 *	44127	SECD0403/19/12-1235~E4031912	ACAL2.D	E4031912	1	SECD04	03/19/12 11:34	1
STD1068287 *	44127	SECD0403/19/12-1235~E4031912	ACAL2.D	E4031912	2	SECD04	03/19/12 11:34	1
STD1061643 *	45333	SECD0403/19/12-1235~E4031912	ACAL3.D	E4031912	1	SECD04	03/19/12 11:49	1
STD1068288 *	45333	SECD0403/19/12-1235~E4031912	ACAL3.D	E4031912	2	SECD04	03/19/12 11:49	1
STD1061644 *	44125	SECD0403/19/12-1235~E4031912	ACAL4.D	E4031912	1	SECD04	03/19/12 12:05	1
STD1068289 *	44125	SECD0403/19/12-1235~E4031912	ACAL4.D	E4031912	2	SECD04	03/19/12 12:05	1
STD1061645 *	44124	SECD0403/19/12-1235~E4031912	ACAL5.D	E4031912	1	SECD04	03/19/12 12:20	1
STD1068290 *	44124	SECD0403/19/12-1235~E4031912	ACAL5.D	E4031912	2	SECD04	03/19/12 12:20	1
STD1061646 *	44123	SECD0403/19/12-1235~E4031912	ACAL6.D	E4031912	1	SECD04	03/19/12 12:35	1
STD1068291 *	44123	SECD0403/19/12-1235~E4031912	ACAL6.D	E4031912	2	SECD04	03/19/12 12:35	1
SSC1061633 *	43164	SECD0403/19/12-1235~E4031912	ASEC.D	E4031912	1	SECD04	03/19/12 12:50	1
SSC1068295 *	43164	SECD0403/19/12-1235~E4031912	ASEC.D	E4031912	2	SECD04	03/19/12 12:50	1
CCV1074115 *	45333	SECD0403/19/12-1235~E4031912	ACCV2.D	E4042712	1	SECD04	04/27/12 11:49	1
CCV1074798 *	45333	SECD0403/19/12-1235~E4031912	ACCV2.D	E4042712	2	SECD04	04/27/12 11:49	1
127811MB	127811MB	SECD0403/19/12-1235~E4031912	9229MB.D	E4042712	1	SECD04	04/27/12 19:19	1
127811MB	127811MB	SECD0403/19/12-1235~E4031912	9229MB.D	E4042712	2	SECD04	04/27/12 19:19	1
127812LCS	127812LCS	SECD0403/19/12-1235~E4031912	9229LCS.D	E4042712	1	SECD04	04/27/12 19:34	1
127812LCS	127812LCS	SECD0403/19/12-1235~E4031912	9229LCS.D	E4042712	2	SECD04	04/27/12 19:34	1

* Sample IDs for calibration items are system generated

cabadia

5/1/2012 11:14:58 AM

RUN LOG CHECK LIST

SDG: 3505835 **Method:** 8082

SAMPLE ID	LAB ID	InitialCal Reference	FILE	BATCH	COL	INSTRUMENT	RUN DATE	DILUTION
IDW-SOIL-1	350581601	SECD0403/19/12-1235~E4031912	816-1.D	E4042712	1	SECD04	04/27/12 19:50	1
IDW-SOIL-1	350581601	SECD0403/19/12-1235~E4031912	816-1.D	E4042712	2	SECD04	04/27/12 19:50	1
IDW-SOIL-1MS	127813MS	SECD0403/19/12-1235~E4031912	816-1MS.D	E4042712	1	SECD04	04/27/12 20:05	1
IDW-SOIL-1MS	127813MS	SECD0403/19/12-1235~E4031912	816-1MS.D	E4042712	2	SECD04	04/27/12 20:05	1
IDW-SOIL-1MSD	127814MSD	SECD0403/19/12-1235~E4031912	816-1MSD.D	E4042712	1	SECD04	04/27/12 20:20	1
IDW-SOIL-1MSD	127814MSD	SECD0403/19/12-1235~E4031912	816-1MSD.D	E4042712	2	SECD04	04/27/12 20:20	1
CCV1074799 *	45333	SECD0403/19/12-1235~E4031912	ACCV3.D	E4042712	1	SECD04	04/27/12 21:50	1
CCV1074800 *	45333	SECD0403/19/12-1235~E4031912	ACCV3.D	E4042712	2	SECD04	04/27/12 21:50	1
CCV1074823 *	45865	SECD0403/19/12-1235~E4031912	ACCV1RB.D	E4043012	1	SECD04	04/30/12 09:34	1
CCV1074824 *	45865	SECD0403/19/12-1235~E4031912	ACCV1RB.D	E4043012	2	SECD04	04/30/12 09:34	1
EPAFMC-SD-02	350583502	SECD0403/19/12-1235~E4031912	835-2R.D	E4043012	1	SECD04	04/30/12 10:46	1
EPAFMC-SD-02	350583502	SECD0403/19/12-1235~E4031912	835-2R.D	E4043012	2	SECD04	04/30/12 10:46	1
EPAFMC-SD-04	350583504	SECD0403/19/12-1235~E4031912	835-4R.D	E4043012	1	SECD04	04/30/12 11:01	1
EPAFMC-SD-04	350583504	SECD0403/19/12-1235~E4031912	835-4R.D	E4043012	2	SECD04	04/30/12 11:01	1
CCV1074825 *	45333	SECD0403/19/12-1235~E4031912	ACCV2B.D	E4043012	1	SECD04	04/30/12 12:01	1
CCV1074826 *	45333	SECD0403/19/12-1235~E4031912	ACCV2B.D	E4043012	2	SECD04	04/30/12 12:01	1

* Sample IDs for calibration items are system generated

cabadia

5/1/2012 11:14:58 AM

Extraction Method	3550b

Extraction Log 8082 Soil Ext

Batch ID 9229

Start: 4/27/2012 10:00:00 AM
End: 4/30/2012 7:22:51 AM

Water Bath Temp: 47 °C

Thermometer ID: tbvA **Balance ID:** P35923

Final

Batch ID: 9229

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350581601	4	IDW-SOIL-1	4/20/2012 2:20:00 PM	SAMPLE	none	brown	soil	33.29 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350581701	1	PX-S05-SS01-0412	4/20/2012 10:30:00 AM	SAMPLE	none	brown	soil	33.98 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350581702	1	PX-S05-SS02-0412	4/20/2012 10:55:00 AM	SAMPLE	none	brown	soil	33.37 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350581703	1	PX-S05-SS03-0412	4/20/2012 11:07:00 AM	SAMPLE	none	black	soil	33.02 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350583502	4	EPAFMC-SD-02	4/23/2012 1:45:00 PM	SAMPLE	none	brown	soil	33.03 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350583504	4	EPAFMC-SD-04	4/23/2012 2:10:00 PM	SAMPLE	none	brown	soil	33.04 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350584304	4	EPAFMC-SD-08	4/24/2012 11:37:00 AM	SAMPLE	none	brown	soil	33.33 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350584308	4	EPAFMC-SD-12	4/24/2012 3:40:00 PM	SAMPLE	none	brown	soil	33.5 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
350584312	4	EPAFMC-SD-16	4/24/2012 3:45:00 PM	SAMPLE	none	brown	soil	33.03 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM

2783

Batch ID: 9229

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
127811MB		127811MB		MB	none	tan	sand	33.15 G	10 mL		1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
127812LCS		127812LCS		LCS	none	tan	sand	33.9 G	10 mL		1mL 8082wkg_spk: 45758 @ 10 ug/mL; 1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
127813MS		IDW-SOIL-1MS		MS	none	brown	soil	33.28 G	10 mL		1mL 8082wkg_spk: 45758 @ 10 ug/mL; 1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM
127814MSD		IDW-SOIL-1MSD		MSD	none	brown	soil	33.36 G	10 mL		1mL 8082wkg_spk: 45758 @ 10 ug/mL; 1mL 81/82wkg_surr: 45988 @ 1.0 ug/mL;	Sulfur:42250@04/27/2012 Sulfuric_Acid:42793 @04/27/2012	CHUM

3505835

2784

Batch ID: 9229

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent 45850	**NaSO4** 45942	**Sonicator#** 1a,1b,2
Initial Solvent 45376	**Sand** 45944	
Final Solvent 45375	**Copper** 42250	
Filter Paper 44944	**Acid** 42973	

Name: Tammy Reuter Title: Prep Tech 4/30/2012 7:22:51 AM

Analyst Posted treuter Date

Signature:

Name: Duffie Young **Title:** Lab Technician 4/30/2012 7:45:48 AM

Peer Reviewed dyoung Date

Signature:

Name: Christelle Abadia **Title:** Chemist 4/30/2012 1:0

Analyst Reviewed cabadia Date

3505835

Comments:

Sample Comments

Lab ID	Client ID	Comments
127811MB	127811MB	
127812LCS	127812LCS	
127813MS	IDW-SOIL-1MS	
127814MSD	IDW-SOIL-1MSD	
350581601	IDW-SOIL-1	
350581701	PX-S05-SS01-0412	
350581702	PX-S05-SS02-0412	
350581703	PX-S05-SS03-0412	

2785

Batch ID: 9229

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350583502		EPAFMC-SD-02											
350583504		EPAFMC-SD-04											
350584304		EPAFMC-SD-08											
350584308		EPAFMC-SD-12											
350584312		EPAFMC-SD-16											

3505835

2786

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43164	8082_sec_wkg			3/23/2012	5 ML	9/23/2011	cabadia

0.05 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
0.5 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

41047: 4750 UL 43163: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44123	8082_acal6_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.25 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
2.5 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44100: 3750 UL 44122: 1250 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44124	8082_acal5_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.2 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
2 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44100: 4000 UL 44122: 1000 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44125	8082_acal4_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.1 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
1 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44100: 4500 UL 44122: 500 UL

2787

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44127	8082_acal2_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.01 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
0.1 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44100: 4950 UL 44122: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44128	8082_acal1_wkg			6/12/2012	10 ML	12/12/2011	NSUBAR

0.003 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
0.03 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44100: 9970 UL 44122: 30 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44134	1232_cal3_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.5 UG/ML: Aroclor-1232

COMPOSED OF:

44100: 4750 UL 44132: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44135	2154_cal3_wkg			6/12/2012	5 ML	12/12/2011	NSUBAR

0.5 UG/ML: Aroclor-1221, Aroclor-1254

COMPOSED OF:

44100: 4750 UL 44130: 250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44340	8082_acal3_wkg			6/28/2012	10 ML	12/28/2011	NSUBAR

0.5 UG/ML: Aroclor-1248

2788

STANDARDS LOG

COMPOSED OF:

44100: 9500 UL 44338: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44821	8082_acal3_wkg			7/26/2012	10 ML	1/30/2012	cabadia

0.5 UG/ML: Aroclor-1242

COMPOSED OF:

42191: 9500 UL 44777: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45333	8082_acal3_wkg			6/12/2012	10 ML	3/12/2012	cabadia

0.05 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
0.5 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

43848: 9500 UL 44122: 500 UL

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45758	8082wkg_spk			10/9/2012	50 ML	4/9/2012	rortiz

10 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

44378: 49.5 ML 44939: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45865	8082_acal3_wkg			6/12/2012	10 ML	4/17/2012	cabadia

0.05 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene
0.5 UG/ML: Aroclor-1016, Aroclor-1260

COMPOSED OF:

43848: 9500 UL 44122: 500 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45988	81/82wkg_surr			10/26/2012	100 ML	4/26/2012	rortiz

1 UG/ML: Decachlorobiphenyl, Tetrachloro-m-xylene

COMPOSED OF:

44378: 99.5 ML 45170: 0.5 ML

3505835

2790

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1232CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1232CAL3.D
Lab Smp Id: 44134 Client Smp ID: 1232CAL3
Inj Date : 19-MAR-2012 10:19
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44134
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 10:49 Cal File: 1248CAL3.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
19	1232-1	3.504	3.504	0.000	26711	0.10000	0.10(M)
20	1232-2	3.753	3.753	0.000	105210	0.10000	0.10(M)
21	1232-3	4.175	4.175	0.000	57858	0.10000	0.10(M)
22	1232-4	4.658	4.658	0.000	153849	0.10000	0.10(M)
23	1232-5	4.783	4.783	0.000	69292	0.10000	0.10(M)
M 24	PCB 1232 Total				412920	0.50000	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1232CAL3.D
Date : 19-MAR-2012 10:19
Client ID: 1232CAL3
Sample Info: 44134

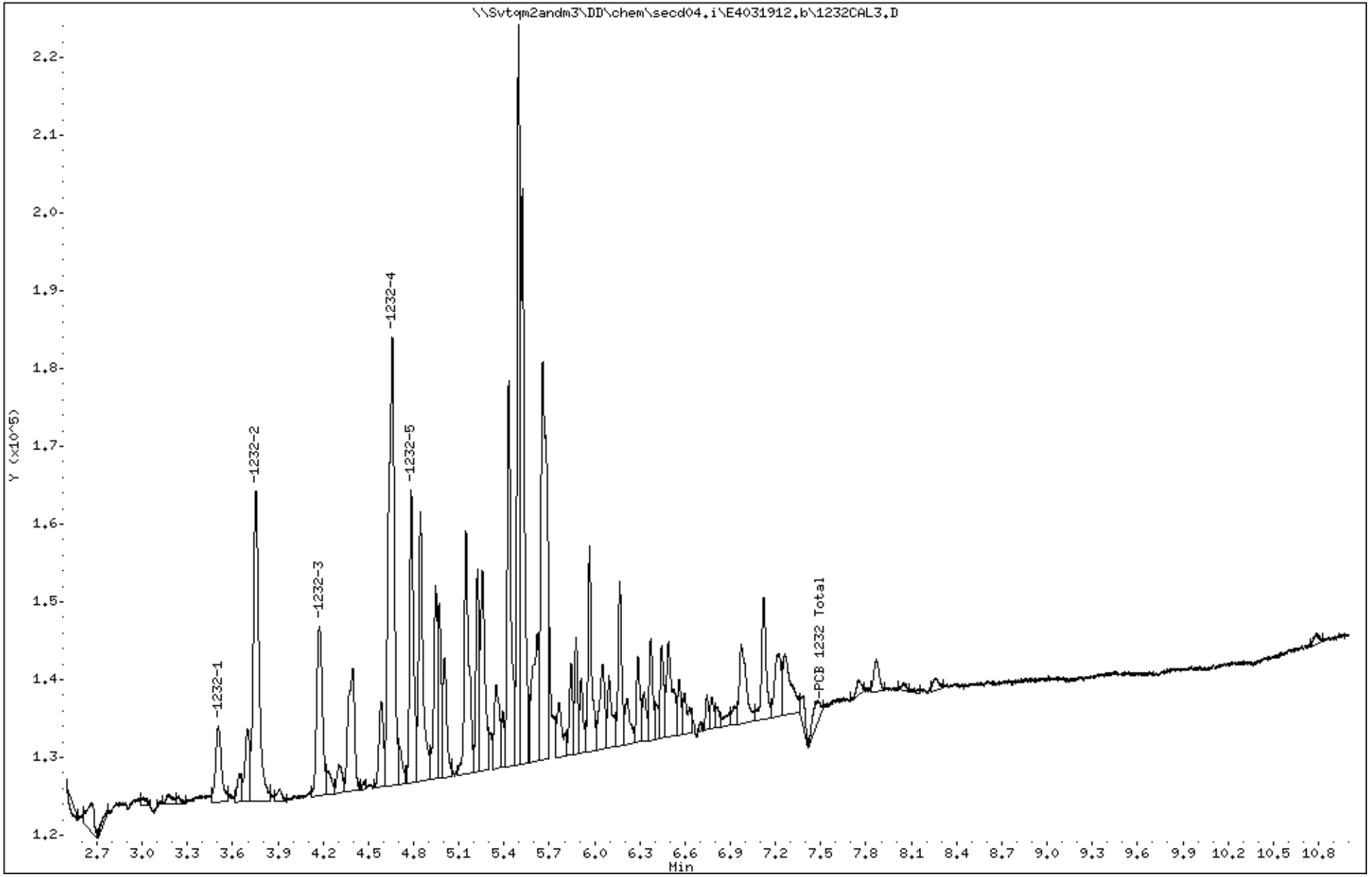
Column phase: STX-CLP1

Instrument: secd04.i

Operator: PEL Labs
Column diameter: 0.32

2792

3505835



Data File: 1232CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1232CAL3.D
Lab Smp Id: 44134 Client Smp ID: 1232CAL3
Inj Date : 19-MAR-2012 10:19
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44134
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:05 Cal File: ACAL4.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	19 1232-1	3.634	3.634	0.000	96653	0.10000	0.10(M)
	20 1232-2	3.882	3.882	0.000	295503	0.10000	0.10(M)
	21 1232-3	4.322	4.322	0.000	256305	0.10000	0.10(M)
	22 1232-4	4.569	4.569	0.000	118962	0.10000	0.10(M)
	23 1232-5	4.767	4.767	0.000	558837	0.10000	0.10(M)
M	24 PCB 1232 Total				1326260	0.50000	0.50

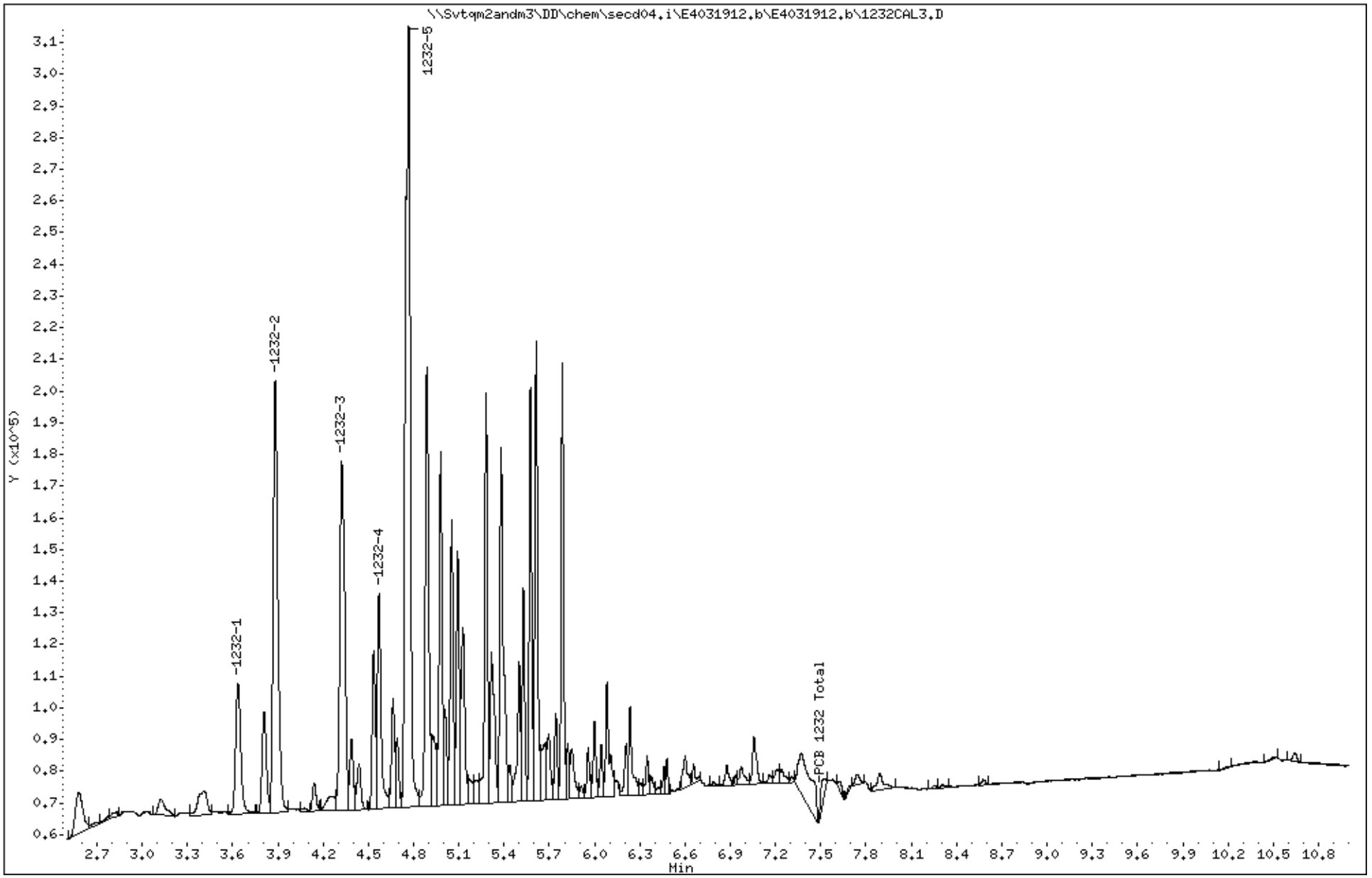
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1232CAL3.D
Date : 19-MAR-2012 10:19
Client ID: 1232CAL3
Instrument: secd04.i
Sample Info: 44134
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32

2794

3505835



Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1242CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1242CAL3.D
Lab Smp Id: 44821 Client Smp ID: 1242CAL3
Inj Date : 19-MAR-2012 10:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44821
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 10:49 Cal File: 1248CAL3.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	25 1242-1	3.757	3.757	0.000	68720	0.10000	0.10(M)
	26 1242-2	4.176	4.176	0.000	85794	0.10000	0.10(M)
	27 1242-3	4.660	4.660	0.000	247667	0.10000	0.10(M)
	28 1242-4	4.785	4.785	0.000	111375	0.10000	0.10(M)
	29 1242-5	4.845	4.845	0.000	111599	0.10000	0.10(M)
M	30 PCB 1242 Total				625155	0.50000	

QC Flag Legend

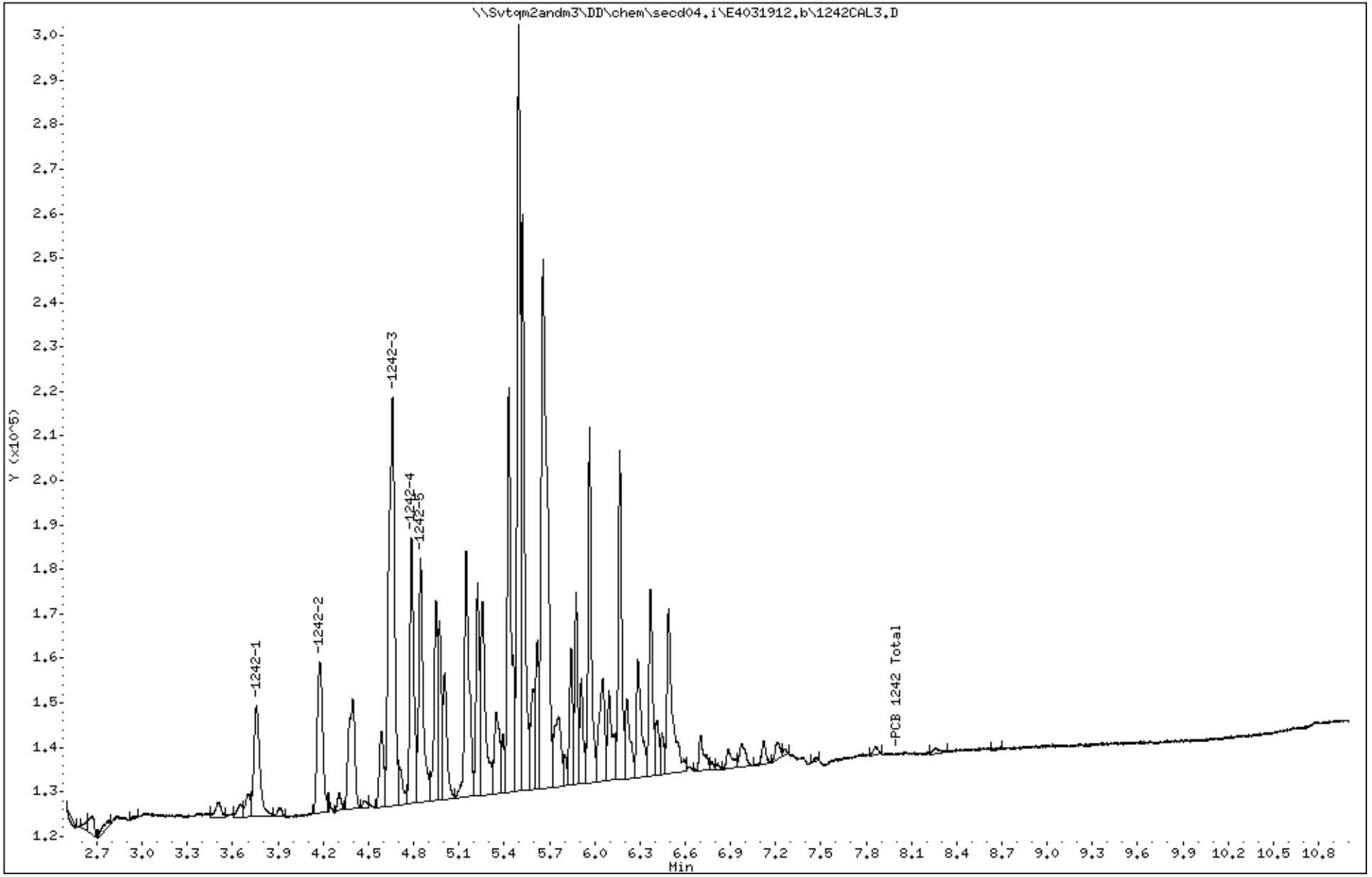
M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1242CAL3.D
Date : 19-MAR-2012 10:34
Client ID: 1242CAL3
Sample Info: 44821

Instrument: secd04.i

Operator: PEL Labs
Column phase: STX-CLP1
Column diameter: 0.32

2796



3505835

Data File: 1242CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1242CAL3.D
Lab Smp Id: 44821 Client Smp ID: 1242CAL3
Inj Date : 19-MAR-2012 10:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44821
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:05 Cal File: ACAL4.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

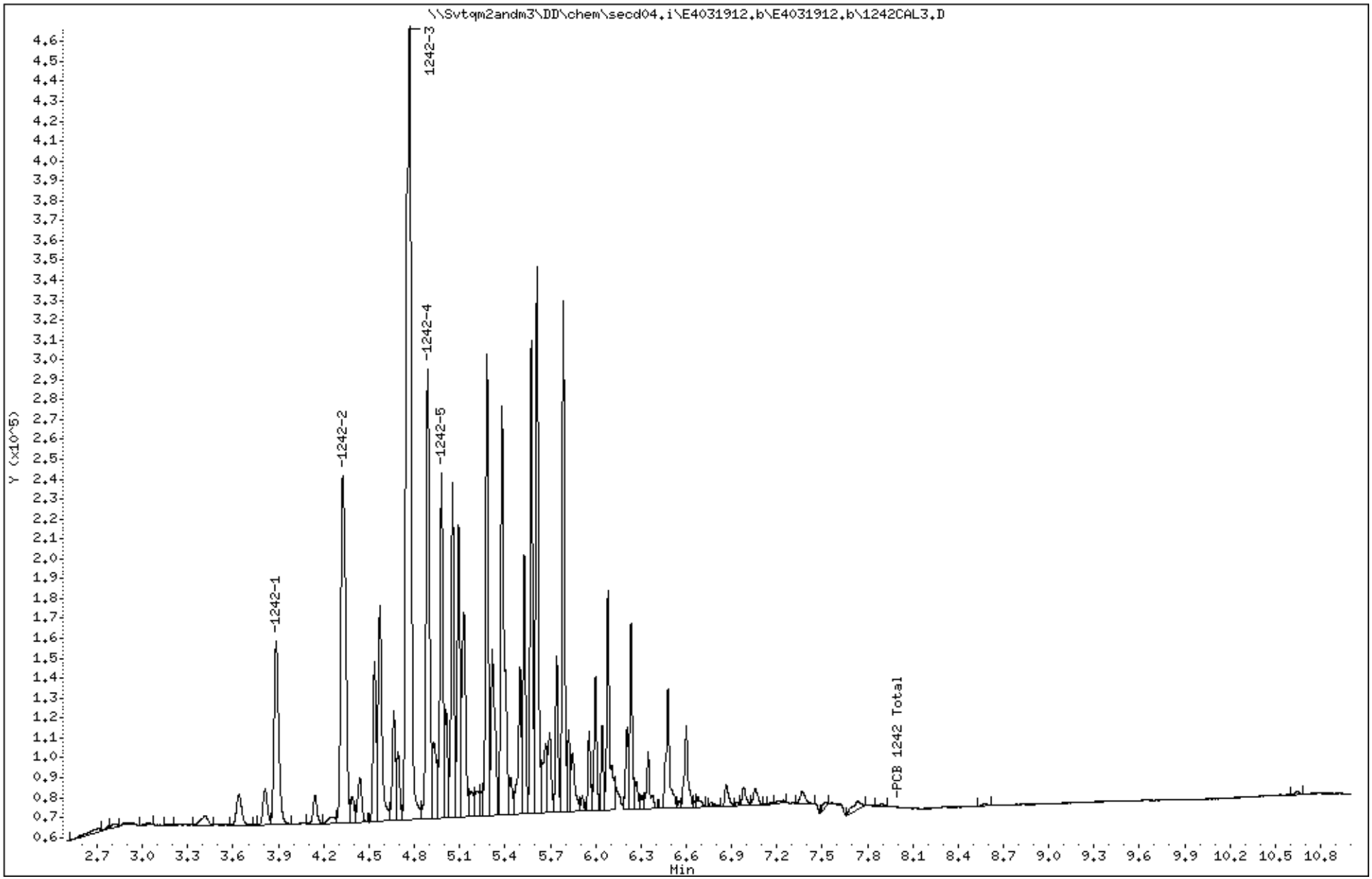
Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	25 1242-1	3.884	3.884	0.000	198965	0.10000	0.10(M)
	26 1242-2	4.325	4.325	0.000	399815	0.10000	0.10(M)
	27 1242-3	4.768	4.768	0.000	916235	0.10000	0.10(M)
	28 1242-4	4.888	4.888	0.000	361565	0.10000	0.10(M)
	29 1242-5	4.979	4.979	0.000	245027	0.10000	0.10(M)
M	30 PCB 1242 Total				2121607	0.50000	0.50

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1242CAL3.D
Date : 19-MAR-2012 10:34
Client ID: 1242CAL3
Instrument: secd04.i
Sample Info: 44821
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32



2798

3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1248CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1248CAL3.D
Lab Smp Id: 44340 Client Smp ID: 1248CAL3
Inj Date : 19-MAR-2012 10:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44340
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 10:49 Cal File: 1248CAL3.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	31 1248-1	4.658	4.658	0.000	166044	0.10000	0.10(M)
	32 1248-2	4.945	4.945	0.000	132574	0.10000	0.10(M)
	33 1248-3	5.222	5.222	0.000	126135	0.10000	0.10(M)
	34 1248-4	5.429	5.429	0.000	259120	0.10000	0.10(M)
	35 1248-5	5.494	5.494	0.000	506036	0.10000	0.10(M)
M	36 PCB 1248 Total				1189909	0.50000	

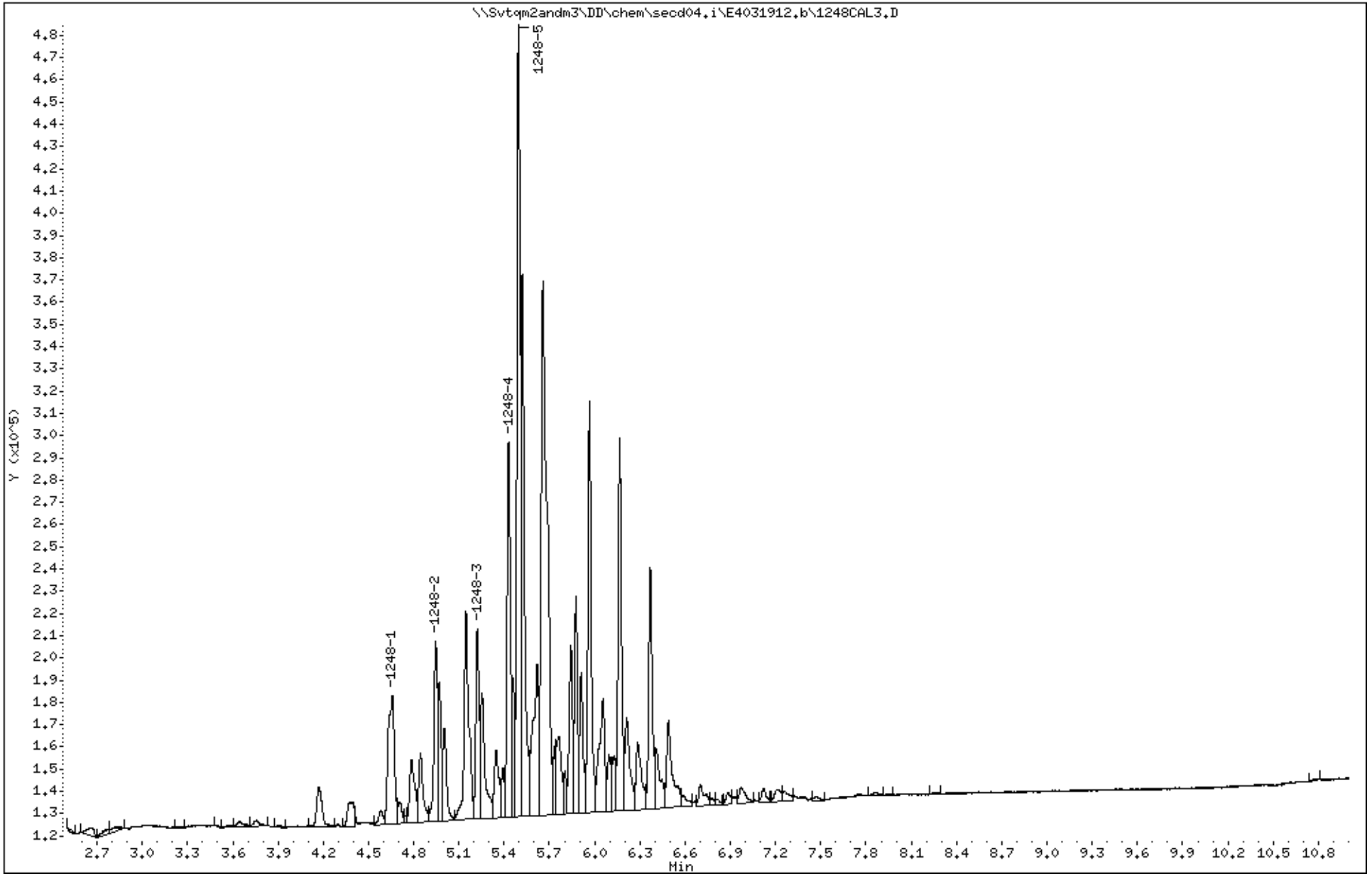
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\1248CAL3.D
Date : 19-MAR-2012 10:49
Client ID: 1248CAL3
Sample Info: 44340

Instrument: secd04.i

Operator: PEL Labs
Column phase: STX-CLP1
Column diameter: 0.32



2800

3505835

Data File: 1248CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1248CAL3.D
Lab Smp Id: 44340 Client Smp ID: 1248CAL3
Inj Date : 19-MAR-2012 10:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44340
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:05 Cal File: ACAL4.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol of sample
Ws	15.000	weight of sample extracted
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

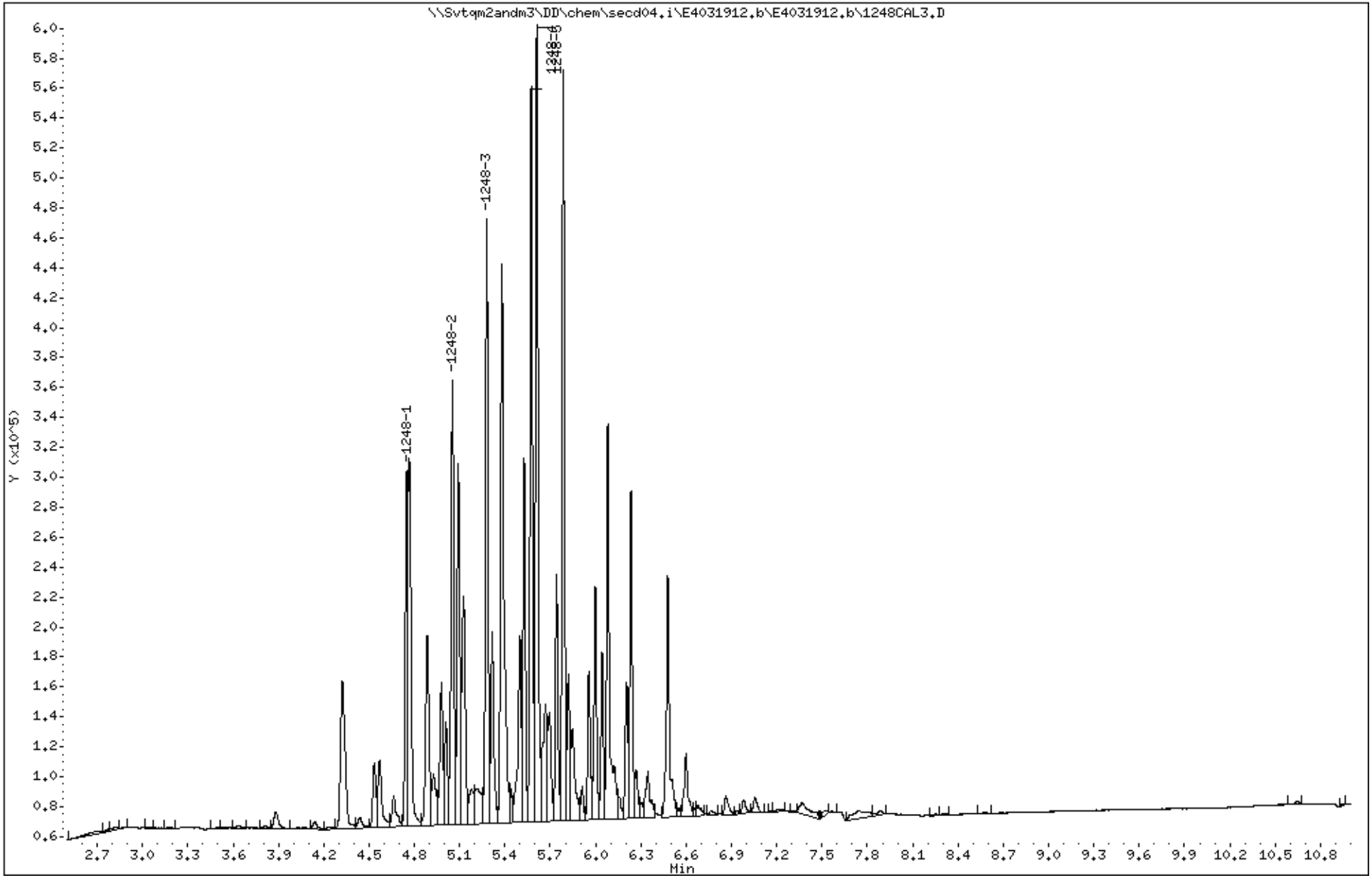
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	31 1248-1	4.750	4.750	0.000	288979	0.10000	0.10(M)
	32 1248-2	5.051	5.051	0.000	389657	0.10000	0.10(M)
	33 1248-3	5.280	5.280	0.000	480942	0.10000	0.10(M)
	34 1248-4	5.573	5.573	0.000	549454	0.10000	0.10(M)
	35 1248-5	5.610	5.610	0.000	655428	0.10000	0.10(M)
M	36 PCB 1248 Total				2364460	0.50000	0.50

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\1248CAL3.D
Date : 19-MAR-2012 10:49
Client ID: 1248CAL3
Instrument: secd04.i
Sample Info: 44340
Volume Injected (uL): 1.0
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32

2802



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\2154CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\2154CAL3.D
Lab Smp Id: 44135 Client Smp ID: 2154CAL3
Inj Date : 19-MAR-2012 11:04
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44135
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:04 Cal File: 2154CAL3.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	15.000	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	13 1221-1	3.506	3.506	0.000	40986	0.17000	0.17(M)
	14 1221-2	3.699	3.699	0.000	27037	0.17000	0.17(M)
	15 1221-3	3.754	3.754	0.000	132204	0.17000	0.17(M)
M	18 PCB 1221 Total				200227	0.50000	0.51
	37 1254-1	5.494	5.494	0.000	314022	0.10000	0.10(M)
	38 1254-2	5.659	5.659	0.000	748022	0.10000	0.10(M)
	39 1254-3	5.875	5.875	0.000	335366	0.10000	0.10(M)
	40 1254-4	5.965	5.965	0.000	851159	0.10000	0.10(M)
	41 1254-5	6.165	6.165	0.000	818503	0.10000	0.10(M)
M	42 PCB 1254 Total				3067072	0.50000	0.50

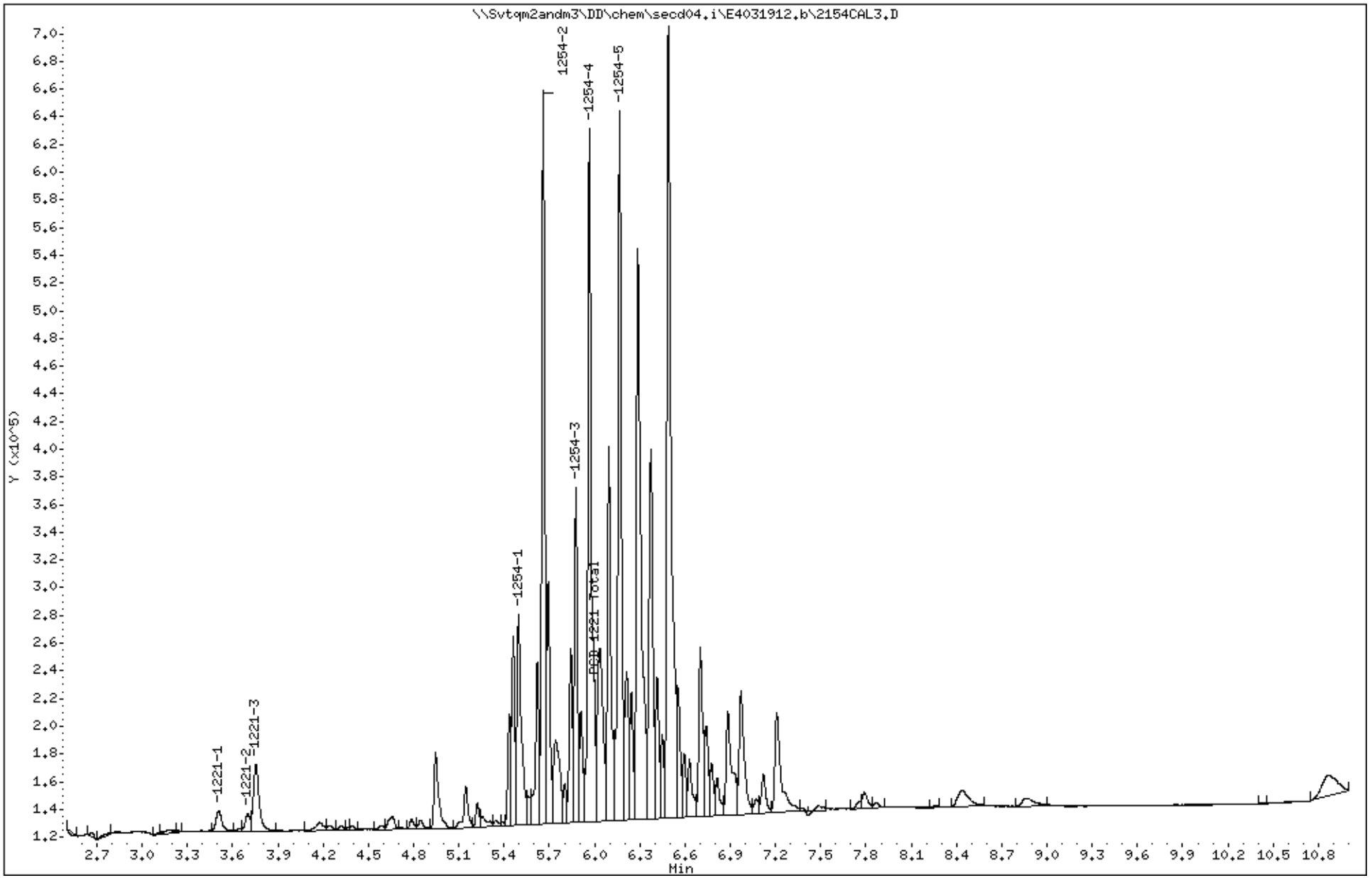
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\2154CAL3.D
Date : 19-MAR-2012 11:04
Client ID: 2154CAL3
Sample Info: 44135

Instrument: secd04.i

Operator: PEL Labs
Column phase: STX-CLP1
Column diameter: 0.32



2804

3505835

Data File: 2154CAL3.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\2154CAL3.D
Lab Smp Id: 44135 Client Smp ID: 2154CAL3
Inj Date : 19-MAR-2012 11:04
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44135
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol of sample
Ws	15.000	weight of sample extracted
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

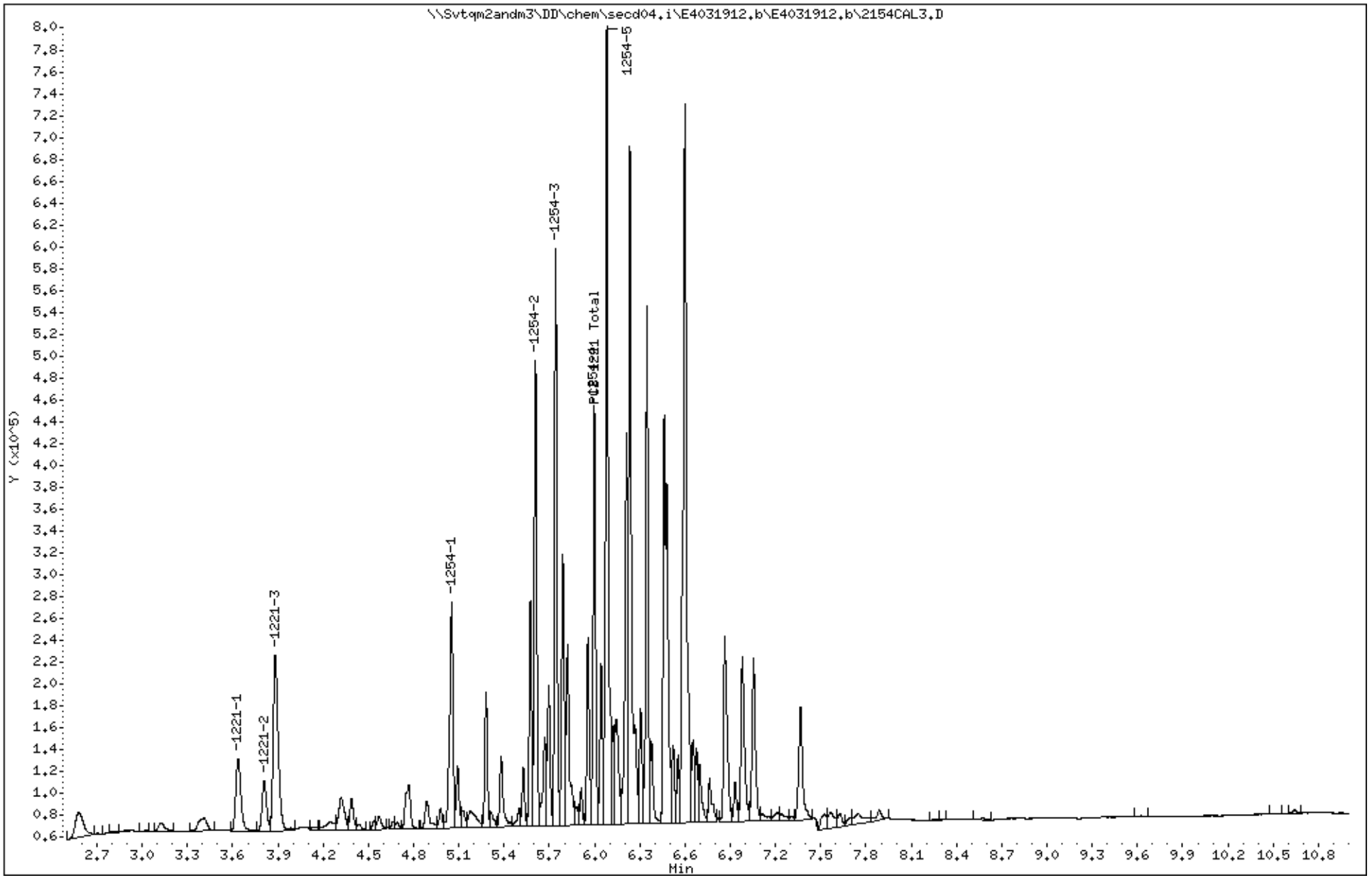
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(ug/ml)	(ug/ml)
	13 1221-1	3.635	3.635	0.000	156351	0.17000	0.17(M)
	14 1221-2	3.809	3.809	0.000	94493	0.17000	0.17(M)
	15 1221-3	3.882	3.882	0.000	378208	0.17000	0.17(M)
M	18 PCB 1221 Total				629052	0.50000	0.51
	37 1254-1	5.051	5.051	0.000	327384	0.10000	0.10(M)
	38 1254-2	5.607	5.607	0.000	492672	0.10000	0.10(M)
	39 1254-3	5.741	5.741	0.000	578848	0.10000	0.10(M)
	40 1254-4	5.998	5.998	0.000	428509	0.10000	0.10(M)
	41 1254-5	6.080	6.080	0.000	905639	0.10000	0.10(M)
M	42 PCB 1254 Total				2733052	0.50000	0.50

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\2154CAL3.D
Date : 19-MAR-2012 11:04
Client ID: 2154CAL3
Instrument: secd04.i
Sample Info: 44135
Volume Injected (uL): 1.0
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32

2806



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL1.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL1.D
Lab Smp Id: 44128 Client Smp ID: ACAL1
Inj Date : 19-MAR-2012 11:19
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44128
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

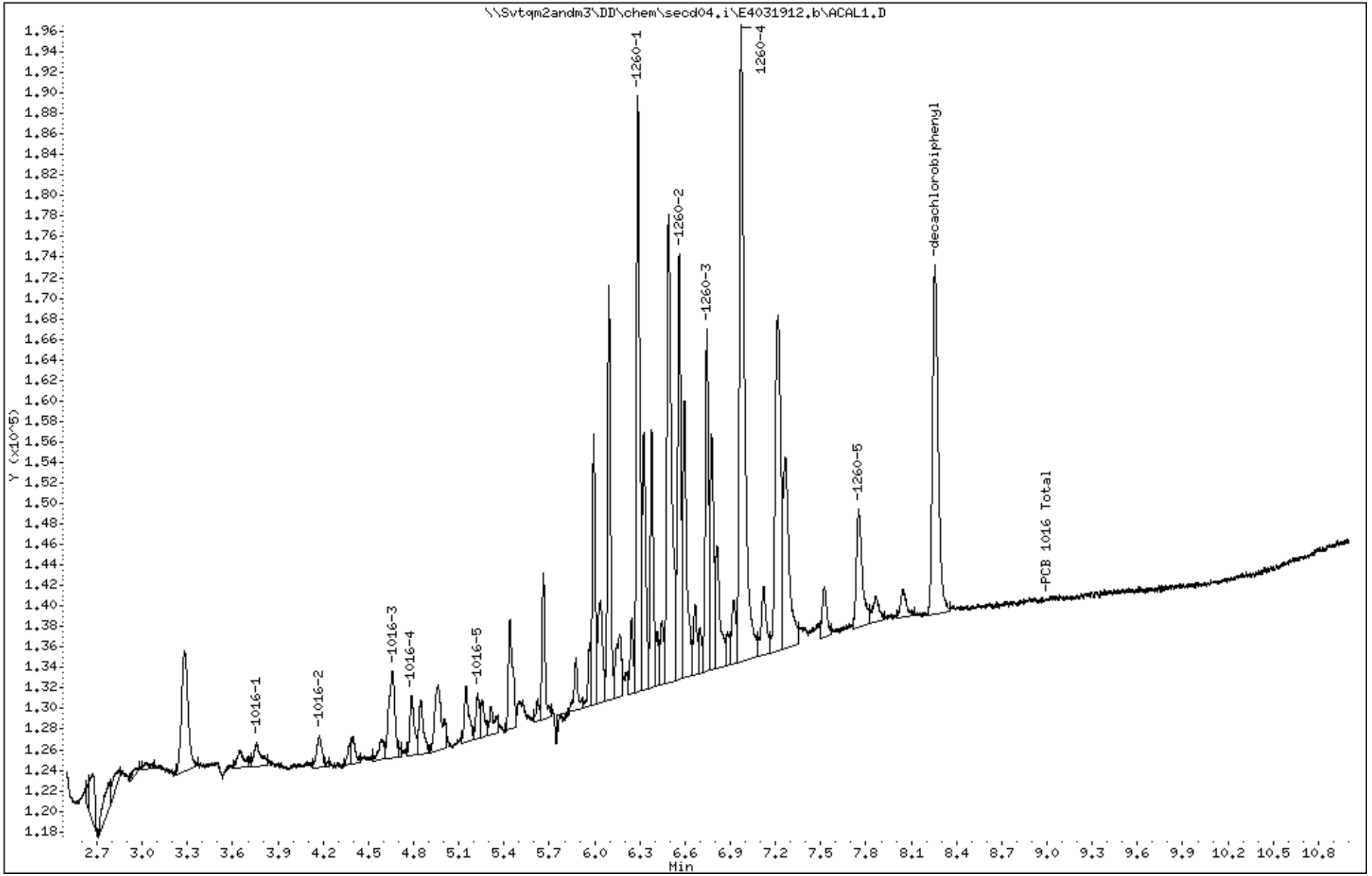
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.759	3.759	0.000	7345	0.00600	0.0072(M)
	2 1016-2	4.173	4.177	-0.004	7528	0.00600	0.0062(M)
	3 1016-3	4.659	4.659	0.000	23645	0.00600	0.0066(M)
	4 1016-4	4.785	4.786	-0.001	12112	0.00600	0.0072(M)
	5 1016-5	5.225	5.223	0.002	6868	0.00600	0.0070(M)
M	6 PCB 1016 Total				57498	0.03000	0.034
	7 1260-1	6.286	6.287	-0.001	90537	0.00600	0.0062(M)
	8 1260-2	6.561	6.562	-0.001	63195	0.00600	0.0065(M)
	9 1260-3	6.744	6.745	-0.001	49426	0.00600	0.0064(M)
	10 1260-4	6.972	6.972	0.000	147095	0.00600	0.0063(M)
	11 1260-5	7.750	7.752	-0.002	31174	0.00600	0.0064(M)
M	12 PCB 1260 Total				381427	0.03000	0.032
$	45 decachlorobiphenyl	8.257	8.257	0.000	90089	0.00300	0.0034

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL1.D
Date : 19-MAR-2012 11:19
Client ID: ACAL1
Instrument: secd04.i
Sample Info: 44128
Volume Injected (uL): 5.0
Operator: PEL Labs
Column phase: STX-CLP1
Column diameter: 0.32

2808



3505835

Data File: ACAL1.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL1.D
Lab Smp Id: 44128 Client Smp ID: ACAL1
Inj Date : 19-MAR-2012 11:19
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44128
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	1 1016-1	3.885	3.886	-0.001	32664	0.00600	0.0076(M)
	2 1016-2	4.325	4.327	-0.002	43722	0.00600	0.0075(M)
	3 1016-3	4.768	4.768	0.000	92554	0.00600	0.0068(M)
	4 1016-4	4.889	4.889	0.000	38207	0.00600	0.0071(M)
	5 1016-5	5.280	5.280	0.000	28708	0.00600	0.0071(M)
M	6 PCB 1016 Total				235855	0.03000	0.036
	7 1260-1	6.347	6.347	0.000	71078	0.00600	0.0066(M)
	8 1260-2	6.655	6.656	-0.001	63945	0.00600	0.0068(M)
	9 1260-3	6.876	6.876	0.000	68836	0.00600	0.0073(M)
	10 1260-4	7.054	7.053	0.001	147895	0.00600	0.0063(M)
	11 1260-5	7.888	7.887	0.001	32522	0.00600	0.0063(M)
M	12 PCB 1260 Total				384276	0.03000	0.033
$	45 decachlorobiphenyl	8.575	8.574	0.001	89091	0.00300	0.0031

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2and3\DD\Chem\secd04.i\E40319l2.b\E40319l2.b\ACAL1.D
Date : 19-MAR-2012 11:19
Client ID: ACAL1
Sample Info: 44128
Volume Injected (uL): 5.0
Column phase: STX-CLP2
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2and3\DD\Chem\secd04.i\E40319l2.b\E40319l2.b\ACAL1.D
Min
Y (x10^5)
-decachlorobiphenyl
-PCB 1016 Total
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL2.D
Report Date: 11-Apr-2012 14:01

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Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL2.D
Lab Smp Id: 44127 Client Smp ID: ACAL2
Inj Date : 19-MAR-2012 11:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44127
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.758	3.759	-0.001	23334	0.02000	0.022(M)
	2 1016-2	4.178	4.177	0.001	26965	0.02000	0.022(M)
	3 1016-3	4.662	4.659	0.003	76889	0.02000	0.021(M)
	4 1016-4	4.784	4.786	-0.002	35534	0.02000	0.021(M)
	5 1016-5	5.223	5.223	0.000	20978	0.02000	0.021(M)
M	6 PCB 1016 Total				183700	0.10000	0.11
	7 1260-1	6.286	6.287	-0.001	279893	0.02000	0.019(M)
	8 1260-2	6.561	6.562	-0.001	188945	0.02000	0.019(M)
	9 1260-3	6.744	6.745	-0.001	153197	0.02000	0.020(M)
	10 1260-4	6.972	6.972	0.000	448574	0.02000	0.019(M)
	11 1260-5	7.753	7.752	0.001	96764	0.02000	0.020(M)
M	12 PCB 1260 Total				1167373	0.10000	0.097
$	45 decachlorobiphenyl	8.257	8.257	0.000	279134	0.01000	0.010

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL2.D
Date : 19-MAR-2012 11:34
Client ID: ACAL2
Sample Info: 44127
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL2.D
Y (x10^5)
Min
PCB 1016 Total
decachlorobiphenyl
1260-5
1260-4
1260-3
1260-2
1260-1
1016-5
1016-4
1016-3
1016-2
1016-1

Data File: ACAL2.D
Report Date: 11-Apr-2012 14:01

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL2.D
Lab Smp Id: 44127 Client Smp ID: ACAL2
Inj Date : 19-MAR-2012 11:34
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44127
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.885	3.886	-0.001	85102	0.02000	0.020(M)
	2 1016-2	4.326	4.327	-0.001	118363	0.02000	0.020(M)
	3 1016-3	4.768	4.768	0.000	271875	0.02000	0.020(M)
	4 1016-4	4.889	4.889	0.000	110991	0.02000	0.021(M)
	5 1016-5	5.280	5.280	0.000	81537	0.02000	0.020(M)
M	6 PCB 1016 Total				667868	0.10000	
	7 1260-1	6.348	6.347	0.001	212554	0.02000	0.020(M)
	8 1260-2	6.657	6.656	0.001	187820	0.02000	0.020(M)
	9 1260-3	6.877	6.876	0.001	188244	0.02000	0.020(M)
	10 1260-4	7.055	7.053	0.002	458411	0.02000	0.020(M)
	11 1260-5	7.888	7.887	0.001	100098	0.02000	0.019(M)
M	12 PCB 1260 Total				1147127	0.10000	
$	45 decachlorobiphenyl	8.576	8.574	0.002	288202	0.01000	0.010

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2and3\DD\Chem\secd04.i\E40319l2.b\E40319l2.b\ACAL2.D
Date : 19-MAR-2012 11:34
Client ID: ACAL2
Sample Info: 44127
Volume Injected (uL): 5.0
Column phase: STX-CLP2

Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL3.D
Report Date: 11-Apr-2012 14:01

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Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL3.D
Lab Smp Id: 45333 Client Smp ID: ACAL3
Inj Date : 19-MAR-2012 11:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

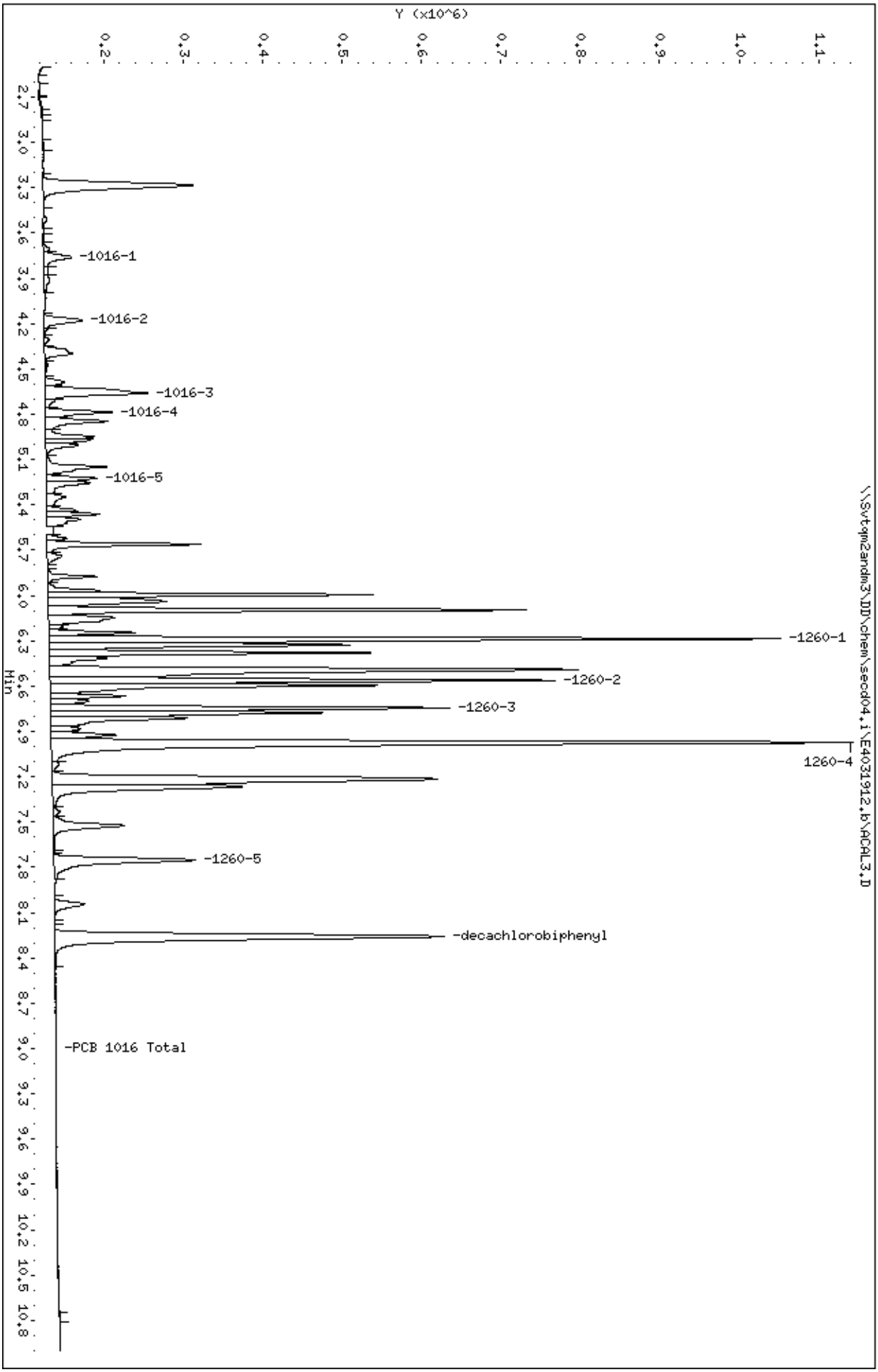
Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.759	3.759	0.000	98716	0.10000	0.091(M)
	2 1016-2	4.178	4.177	0.001	120511	0.10000	0.10(M)
	3 1016-3	4.660	4.659	0.001	353355	0.10000	0.098(M)
	4 1016-4	4.786	4.786	0.000	162728	0.10000	0.097(M)
	5 1016-5	5.224	5.223	0.001	93970	0.10000	0.096(M)
M	6 PCB 1016 Total				829280	0.50000	0.48
	7 1260-1	6.286	6.287	-0.001	1410297	0.10000	0.096(M)
	8 1260-2	6.562	6.562	0.000	920169	0.10000	0.095(M)
	9 1260-3	6.745	6.745	0.000	738972	0.10000	0.095(M)
	10 1260-4	6.972	6.972	0.000	2221022	0.10000	0.095(M)
	11 1260-5	7.752	7.752	0.000	469809	0.10000	0.097(M)
M	12 PCB 1260 Total				5760269	0.50000	0.48
$	45 decachlorobiphenyl	8.258	8.257	0.001	1298794	0.05000	0.048

QC Flag Legend

M - Compound response manually integrated.


Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL3.D
Date : 19-MAR-2012 11:49
Client ID: ACAL3
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
Y (x10^6)
Min
-1016-1
-1016-2
-1016-3
-1016-4
-1016-5
-1260-1
-1260-2
-1260-3
1260-4
-1260-5
-decachlorobiphenyl
-PCB 1016 Total
\\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL3.D

Data File: ACAL3.D
Report Date: 11-Apr-2012 14:01

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL3.D
Lab Smp Id: 45333 Client Smp ID: ACAL3
Inj Date : 19-MAR-2012 11:49
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.886	3.886	0.000	420874	0.10000	0.098(M)
	2 1016-2	4.326	4.327	-0.001	565689	0.10000	0.096(M)
	3 1016-3	4.768	4.768	0.000	1315384	0.10000	0.097(M)
	4 1016-4	4.889	4.889	0.000	517105	0.10000	0.096(M)
	5 1016-5	5.280	5.280	0.000	383560	0.10000	0.095(M)
M	6 PCB 1016 Total				3202612	0.50000	
	7 1260-1	6.348	6.347	0.001	1045205	0.10000	0.096(M)
	8 1260-2	6.656	6.656	0.000	909034	0.10000	0.096(M)
	9 1260-3	6.877	6.876	0.001	888754	0.10000	0.094(M)
	10 1260-4	7.054	7.053	0.001	2280407	0.10000	0.098(M)
	11 1260-5	7.889	7.887	0.002	498325	0.10000	0.097(M)
M	12 PCB 1260 Total				5621725	0.50000	
$	45 decachlorobiphenyl	8.576	8.574	0.002	1399079	0.05000	0.049

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E403191 2.b\E403191 2.b\ACAL3.D
Date : 19-MAR-2012 11:49
Client ID: ACAL3
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP2

Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL4.D
Report Date: 11-Apr-2012 14:01

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL4.D
Lab Smp Id: 44125 Client Smp ID: ACAL4
Inj Date : 19-MAR-2012 12:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44125
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.762	3.759	0.003	182024	0.20000	0.17(M)
	2 1016-2	4.180	4.177	0.003	221829	0.20000	0.18(M)
	3 1016-3	4.661	4.659	0.002	651992	0.20000	0.18(M)
	4 1016-4	4.787	4.786	0.001	295773	0.20000	0.18(M)
	5 1016-5	5.225	5.223	0.002	174198	0.20000	0.18(M)
M	6 PCB 1016 Total				1525816	1.00000	0.89
	7 1260-1	6.287	6.287	0.000	2696761	0.20000	0.18(M)
	8 1260-2	6.563	6.562	0.001	1762861	0.20000	0.18(M)
	9 1260-3	6.745	6.745	0.000	1429616	0.20000	0.18(M)
	10 1260-4	6.973	6.972	0.001	4291774	0.20000	0.18(M)
	11 1260-5	7.752	7.752	0.000	908404	0.20000	0.19(M)
M	12 PCB 1260 Total				11089416	1.00000	0.92
$	45 decachlorobiphenyl	8.259	8.257	0.002	2446203	0.10000	0.091(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL4.D
Date : 19-MAR-2012 12:05
Client ID: ACAL4
Sample Info: 44125
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL4.D
Min
Y (x10^6)
-PCB 1016 Total
-decachlorobiphenyl
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: ACAL4.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL4.D
Lab Smp Id: 44125 Client Smp ID: ACAL4
Inj Date : 19-MAR-2012 12:05
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44125
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.887	3.886	0.001	726853	0.20000	0.17(M)
	2 1016-2	4.328	4.327	0.001	1033880	0.20000	0.18(M)
	3 1016-3	4.769	4.768	0.001	2444397	0.20000	0.18(M)
	4 1016-4	4.890	4.889	0.001	954771	0.20000	0.18(M)
	5 1016-5	5.280	5.280	0.000	708671	0.20000	0.18(M)
M	6 PCB 1016 Total				5868572	1.00000	
	7 1260-1	6.347	6.347	0.000	1982074	0.20000	0.18(M)
	8 1260-2	6.656	6.656	0.000	1704449	0.20000	0.18(M)
	9 1260-3	6.876	6.876	0.000	1657619	0.20000	0.18(M)
	10 1260-4	7.054	7.053	0.001	4338051	0.20000	0.18(M)
	11 1260-5	7.888	7.887	0.001	939259	0.20000	0.18(M)
M	12 PCB 1260 Total				10621452	1.00000	
$	45 decachlorobiphenyl	8.576	8.574	0.002	2667294	0.10000	0.093

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Sv1qm2and03\DD\chem\secd04.i\E40319l2.b\E40319l2.b\ACAL4.D
Date : 19-MAR-2012 12:05
Client ID: ACAL4
Sample Info: 44125
Volume Injected (uL): 5.0
Column phase: STX-CLP2
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Sv1qm2and03\DD\chem\secd04.i\E40319l2.b\E40319l2.b\ACAL4.D
Y (x10^6)
Min
-decachlorobiphenyl
-PCB 1016 Total
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL5.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL5.D
Lab Smp Id: 44124 Client Smp ID: ACAL5
Inj Date : 19-MAR-2012 12:20
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44124
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

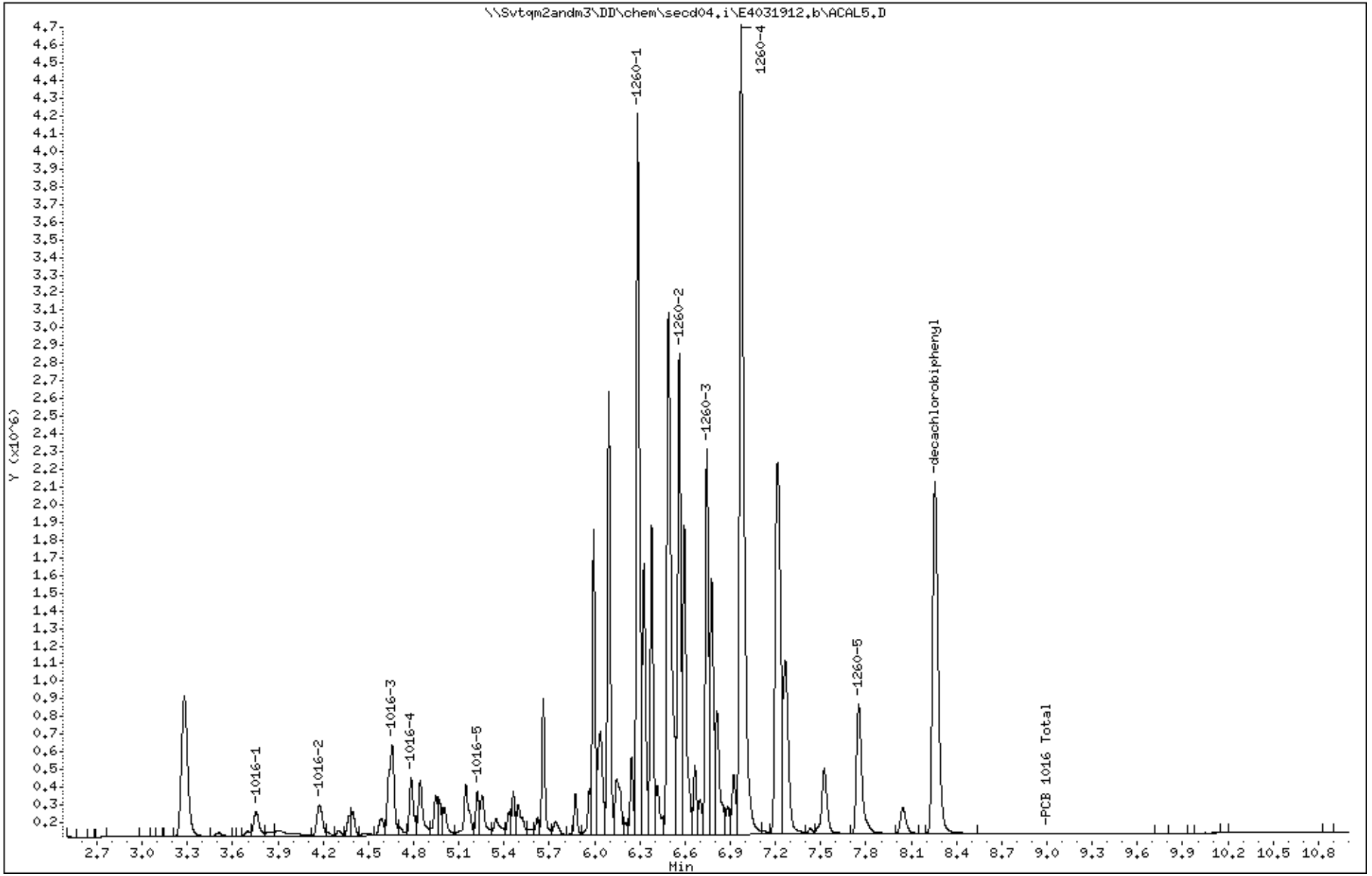
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.754	3.759	-0.005	363074	0.40000	0.34(M)
	2 1016-2	4.174	4.177	-0.003	452543	0.40000	0.38(M)
	3 1016-3	4.656	4.659	-0.003	1355645	0.40000	0.38(M)
	4 1016-4	4.782	4.786	-0.004	614892	0.40000	0.37(M)
	5 1016-5	5.221	5.223	-0.002	366412	0.40000	0.38(M)
M	6 PCB 1016 Total				3152566	2.00000	1.8
	7 1260-1	6.286	6.287	-0.001	6009115	0.40000	0.41(M)
	8 1260-2	6.561	6.562	-0.001	3903965	0.40000	0.40(M)
	9 1260-3	6.744	6.745	-0.001	3115040	0.40000	0.40(M)
	10 1260-4	6.971	6.972	-0.001	9602692	0.40000	0.41(M)
	11 1260-5	7.751	7.752	-0.001	1918378	0.40000	0.40(M)
M	12 PCB 1260 Total				24549190	2.00000	2.0
$	45 decachlorobiphenyl	8.256	8.257	-0.001	5173388	0.20000	0.19

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL5.D
Date : 19-MAR-2012 12:20
Client ID: ACAL5
Instrument: secd04.i
Sample Info: 44124
Volume Injected (uL): 5.0
Operator: PEL Labs
Column phase: STX-CLP1
Column diameter: 0.32

2824



3505835

Data File: ACAL5.D
Report Date: 11-Apr-2012 14:01

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL5.D
Lab Smp Id: 44124 Client Smp ID: ACAL5
Inj Date : 19-MAR-2012 12:20
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44124
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 12 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

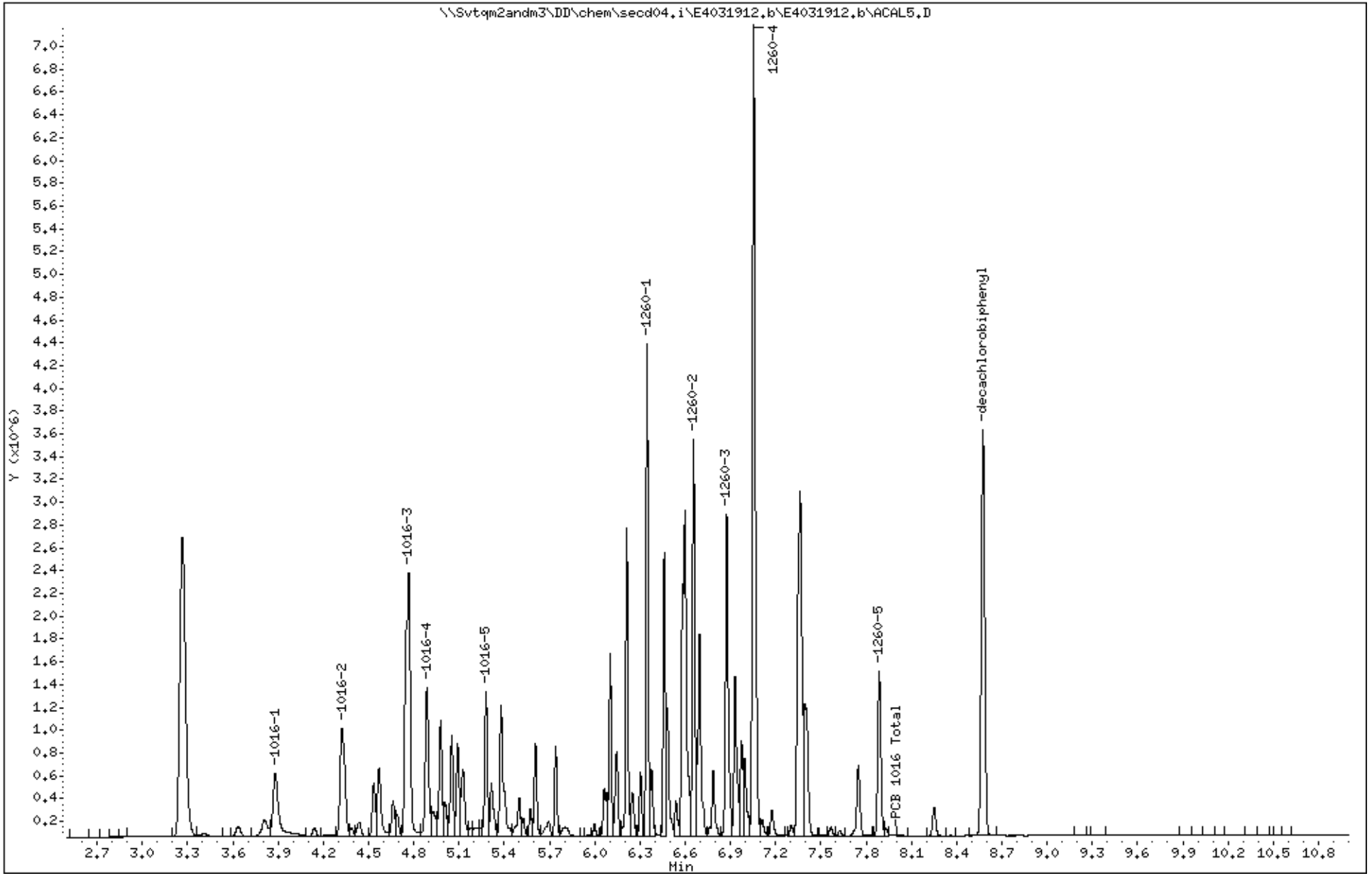
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.881	3.886	-0.005	1588367	0.40000	0.37(M)
	2 1016-2	4.324	4.327	-0.003	2165331	0.40000	0.37(M)
	3 1016-3	4.766	4.768	-0.002	5219375	0.40000	0.38(M)
	4 1016-4	4.887	4.889	-0.002	2017608	0.40000	0.38(M)
	5 1016-5	5.279	5.280	-0.001	1528607	0.40000	0.38(M)
M	6 PCB 1016 Total				12519288	2.00000	
	7 1260-1	6.346	6.347	-0.001	4296793	0.40000	0.40(M)
	8 1260-2	6.656	6.656	0.000	3657435	0.40000	0.39(M)
	9 1260-3	6.876	6.876	0.000	3603160	0.40000	0.38(M)
	10 1260-4	7.054	7.053	0.001	9351506	0.40000	0.40(M)
	11 1260-5	7.887	7.887	0.000	2065430	0.40000	0.40(M)
M	12 PCB 1260 Total				22974324	2.00000	
$	45 decachlorobiphenyl	8.575	8.574	0.001	5783517	0.20000	0.20(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL5.D
Date : 19-MAR-2012 12:20
Client ID: ACAL5
Instrument: secd04.i
Sample Info: 44124
Volume Injected (uL): 5.0
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32

2826



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL6.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ACAL6.D
Lab Smp Id: 44123 Client Smp ID: ACAL6
Inj Date : 19-MAR-2012 12:35
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44123
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.754	3.759	-0.005	478871	0.50000	0.44(M)
	2 1016-2	4.173	4.177	-0.004	590189	0.50000	0.49(M)
	3 1016-3	4.656	4.659	-0.003	1779693	0.50000	0.50(M)
	4 1016-4	4.782	4.786	-0.004	798860	0.50000	0.48(M)
	5 1016-5	5.221	5.223	-0.002	470552	0.50000	0.48(M)
M	6 PCB 1016 Total				4118165	2.50000	2.4
	7 1260-1	6.286	6.287	-0.001	8089898	0.50000	0.55(M)
	8 1260-2	6.561	6.562	-0.001	5216749	0.50000	0.54(M)
	9 1260-3	6.744	6.745	-0.001	4222024	0.50000	0.54(M)
	10 1260-4	6.971	6.972	-0.001	12821730	0.50000	0.55(M)
	11 1260-5	7.751	7.752	-0.001	2468981	0.50000	0.51(M)
M	12 PCB 1260 Total				32819382	2.50000	2.7
$	45 decachlorobiphenyl	8.256	8.257	-0.001	6758874	0.25000	0.25(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL6.D
Date : 19-MAR-2012 12:35
Client ID: ACAL6
Sample Info: 44123
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ACAL6.D
Y (x10^6)
Min
1260-4
1260-1
1260-2
1260-3
decachlorobiphenyl
PCB 1016 Total
1260-5
1016-5
1016-4
1016-3
1016-2
1016-1

Data File: ACAL6.D
Report Date: 11-Apr-2012 14:01

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL6.D
Lab Smp Id: 44123 Client Smp ID: ACAL6
Inj Date : 19-MAR-2012 12:35
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 44123
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 13 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

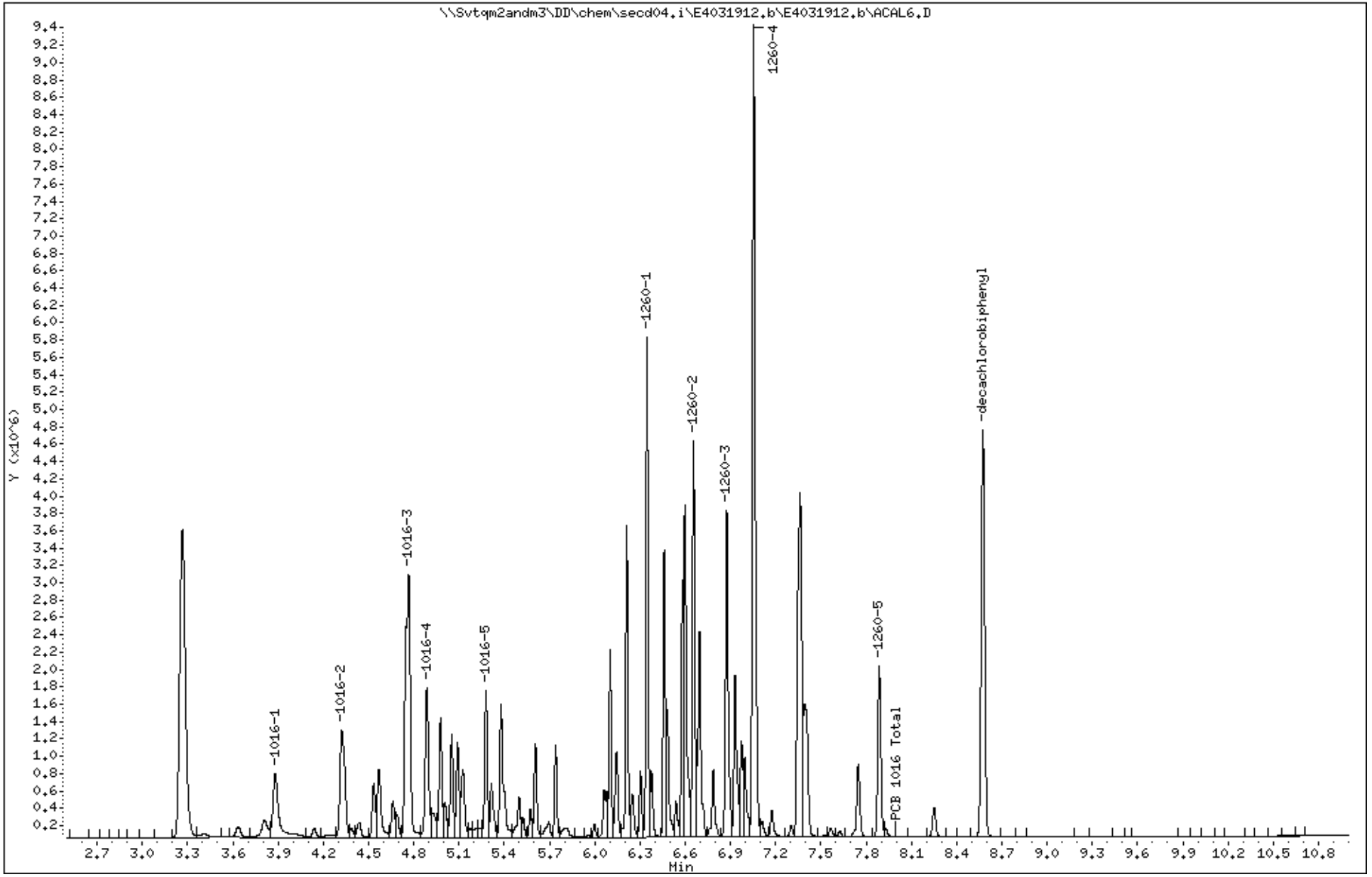
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.881	3.886	-0.005	2117150	0.50000	0.49(M)
	2 1016-2	4.322	4.327	-0.005	2855214	0.50000	0.49(M)
	3 1016-3	4.766	4.768	-0.002	6920164	0.50000	0.51(M)
	4 1016-4	4.886	4.889	-0.003	2680091	0.50000	0.50(M)
	5 1016-5	5.278	5.280	-0.002	2025247	0.50000	0.50(M)
M	6 PCB 1016 Total				16597866	2.50000	
	7 1260-1	6.346	6.347	-0.001	5706901	0.50000	0.53(M)
	8 1260-2	6.655	6.656	-0.001	4857535	0.50000	0.52(M)
	9 1260-3	6.876	6.876	0.000	4797067	0.50000	0.51(M)
	10 1260-4	7.053	7.053	0.000	12275957	0.50000	0.53(M)
	11 1260-5	7.887	7.887	0.000	2774572	0.50000	0.54(M)
M	12 PCB 1260 Total				30412032	2.50000	
$	45 decachlorobiphenyl	8.575	8.574	0.001	7639060	0.25000	0.26

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ACAL6.D
Date : 19-MAR-2012 12:35
Client ID: ACAL6
Instrument: secd04.i
Sample Info: 44123
Volume Injected (uL): 5.0
Operator: PEL Labs
Column phase: STX-CLP2
Column diameter: 0.32

2830



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ASEC.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\ASEC.D
Lab Smp Id: 43164 Client Smp ID: ASEC
Inj Date : 19-MAR-2012 12:50
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 43164
Misc Info :
Comment :
Method : \\SVTQM2ANDM3\DD\chem\secd04.i\E4031912.b\8082A.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1	1016-1	3.755	3.759	-0.004	86873	0.10000	0.085(M)
2	1016-2	4.174	4.177	-0.003	122188	0.10000	0.10(M)
3	1016-3	4.658	4.659	-0.001	369729	0.10000	0.10(M)
4	1016-4	4.783	4.786	-0.003	156985	0.10000	0.094(M)
5	1016-5	5.222	5.223	-0.001	92706	0.10000	0.095(M)
M 6	PCB 1016 Total				828481	0.50000	
7	1260-1	6.285	6.287	-0.002	1421981	0.10000	0.097(M)
8	1260-2	6.560	6.562	-0.002	924519	0.10000	0.095(M)
9	1260-3	6.744	6.745	-0.001	736530	0.10000	0.095(M)
10	1260-4	6.971	6.972	-0.001	2227267	0.10000	0.095(M)
11	1260-5	7.751	7.752	-0.001	477616	0.10000	0.099
M 12	PCB 1260 Total				5787913	0.50000	
$ 45	decachlorobiphenyl	8.257	8.257	0.000	1331546	0.05000	0.050

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ASEC.D
Date : 19-MAR-2012 12:50
Client ID: ASEC
Sample Info: 43164
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E40319l2.b\ASEC.D
Min
Y (x10^6)
-PCB 1016 Total
-decachlorobiphenyl
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: ASEC.D
Report Date: 11-Apr-2012 14:01

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ASEC.D
Lab Smp Id: 43164 Client Smp ID: ASEC
Inj Date : 19-MAR-2012 12:50
Operator : PEL Labs Inst ID: secd04.i
Smp Info : 43164
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\8082A.m\8082a.m
Meth Date : 11-Apr-2012 13:58 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: SVTQM2ANDM3

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.882	3.886	-0.004	420162	0.10000	0.098(M)
	2 1016-2	4.323	4.327	-0.004	538944	0.10000	0.092(M)
	3 1016-3	4.767	4.768	-0.001	1290645	0.10000	0.095(M)
	4 1016-4	4.887	4.889	-0.002	513932	0.10000	0.096(M)
	5 1016-5	5.279	5.280	-0.001	377547	0.10000	0.094(M)
M	6 PCB 1016 Total				3141230	0.50000	0.47
	7 1260-1	6.347	6.347	0.000	1040346	0.10000	0.096(M)
	8 1260-2	6.655	6.656	-0.001	891619	0.10000	0.095(M)
	9 1260-3	6.876	6.876	0.000	913353	0.10000	0.097(M)
	10 1260-4	7.053	7.053	0.000	2286151	0.10000	0.098(M)
	11 1260-5	7.887	7.887	0.000	531068	0.10000	0.10(M)
M	12 PCB 1260 Total				5662537	0.50000	0.49
$	45 decachlorobiphenyl	8.574	8.574	0.000	1446148	0.05000	0.050

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ASEC.D
Date : 19-MAR-2012 12:50
Client ID: ASEC
Sample Info: 43164
Volume Injected (uL): 5.0
Column phase: STX-CLP2
Instrument: secd04.i
Operator: PEL Labs
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E4031912.b\E4031912.b\ASEC.D
1260-4
-decachlorobiphenyl
-PCB 1016 Total
-1260-5
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1
Y (x10^6)
Min

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV2.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV2.D
Lab Smp Id: 45333 Client Smp ID: ACCV2
Inj Date : 27-APR-2012 11:49
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.743	3.743	0.000	92455	0.10000	0.090(M)
	2 1016-2	4.163	4.165	-0.002	120500	0.10000	0.10(M)
	3 1016-3	4.649	4.649	0.000	306642	0.10000	0.085(M)
	4 1016-4	4.775	4.774	0.001	153840	0.10000	0.092(M)
	5 1016-5	5.214	5.214	0.000	77878	0.10000	0.080(M)
M	6 PCB 1016 Total				751315	0.50000	0.45
	7 1260-1	6.278	6.278	0.000	1192390	0.10000	0.081(M)
	8 1260-2	6.553	6.553	0.000	860033	0.10000	0.089(M)
	9 1260-3	6.736	6.735	0.001	664452	0.10000	0.085(M)
	10 1260-4	6.962	6.962	0.000	2155719	0.10000	0.092(M)
	11 1260-5	7.738	7.739	-0.001	483672	0.10000	0.10(M)
M	12 PCB 1260 Total				5356266	0.50000	0.45
$	45 decachlorobiphenyl	8.241	8.240	0.001	1299848	0.05000	0.048(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV2.D
Date : 27-APR-2012 11:49
Client ID: ACCV2
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV2.D
Y (x10^6)
Min
-PCB 1016 Total
-decachlorobiphenyl
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: ACCV2.D
Report Date: 11-May-2012 14:06

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\ACCV2.D
Lab Smp Id: 45333 Client Smp ID: ACCV2
Inj Date : 27-APR-2012 11:49
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 07:33 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.871	3.871	0.000	476323	0.10000	0.11(M)
	2 1016-2	4.313	4.313	0.000	566994	0.10000	0.097(M)
	3 1016-3	4.758	4.759	-0.001	1338351	0.10000	0.099(M)
	4 1016-4	4.878	4.879	-0.001	531111	0.10000	0.099(M)
	5 1016-5	5.271	5.271	0.000	388368	0.10000	0.097(M)
M	6 PCB 1016 Total				3301147	0.50000	0.50
	7 1260-1	6.341	6.340	0.001	877236	0.10000	0.081(M)
	8 1260-2	6.648	6.648	0.000	890606	0.10000	0.094(M)
	9 1260-3	6.869	6.869	0.000	846475	0.10000	0.090(M)
	10 1260-4	7.046	7.046	0.000	2214574	0.10000	0.095(M)
	11 1260-5	7.877	7.878	-0.001	506813	0.10000	0.099(M)
M	12 PCB 1260 Total				5335704	0.50000	0.46
$	45 decachlorobiphenyl	8.562	8.561	0.001	1589789	0.05000	0.055(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\Chem\secd04.i\E4042712.b\E4042712.b\ACCV2.D
Date : 27-APR-2012 11:49
Client ID: ACCV2
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP2
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2andm3\DD\Chem\secd04.i\E4042712.b\E4042712.b\ACCV2.D
Y (x10^6)
Min
-decachlorobiphenyl
-PCB 1016 Total
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\9229MB.D
Report Date: 11-May-2012 14:06

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METHOD 8082

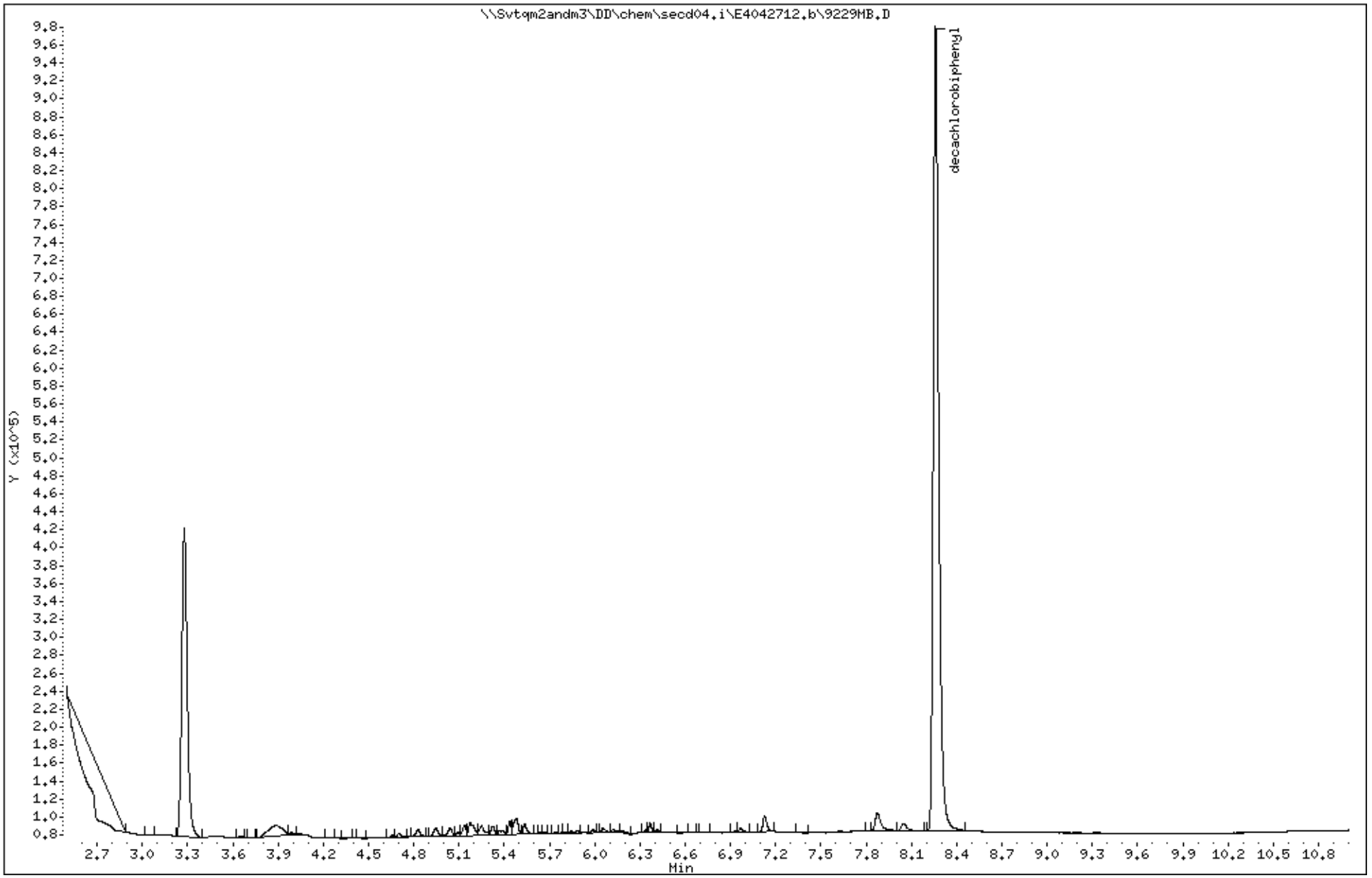
Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\9229MB.D
Lab Smp Id: 127811MB Client Smp ID: 127811MB
Inj Date : 27-APR-2012 19:19
Operator : RO Inst ID: secd04.i
Smp Info : a127811mb
Misc Info :
Comment   :
Method   : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 12 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.150	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
Compounds	RT	EXP RT	DLT RT	RESPONSE		
$ 45 decachlorobiphenyl	8.261	8.240	0.021	2250953	0.08374	25.3

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\9229MB.D
Date : 27-APR-2012 19:19
Client ID: 127811MB
Instrument: secd04.i
Sample Info: a127811mb
Operator: RO
Column phase: STX-CLP1
Column diameter: 0.32



2840

3505835

Data File: 9229MB.D
Report Date: 11-May-2012 14:06

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\9229MB.D
Lab Smp Id: 127811MB Client Smp ID: 127811MB
Inj Date : 27-APR-2012 19:19
Operator : RO Inst ID: secd04.i
Smp Info : a127811mb
Misc Info :
Comment   :
Method   : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 07:33 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 12 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

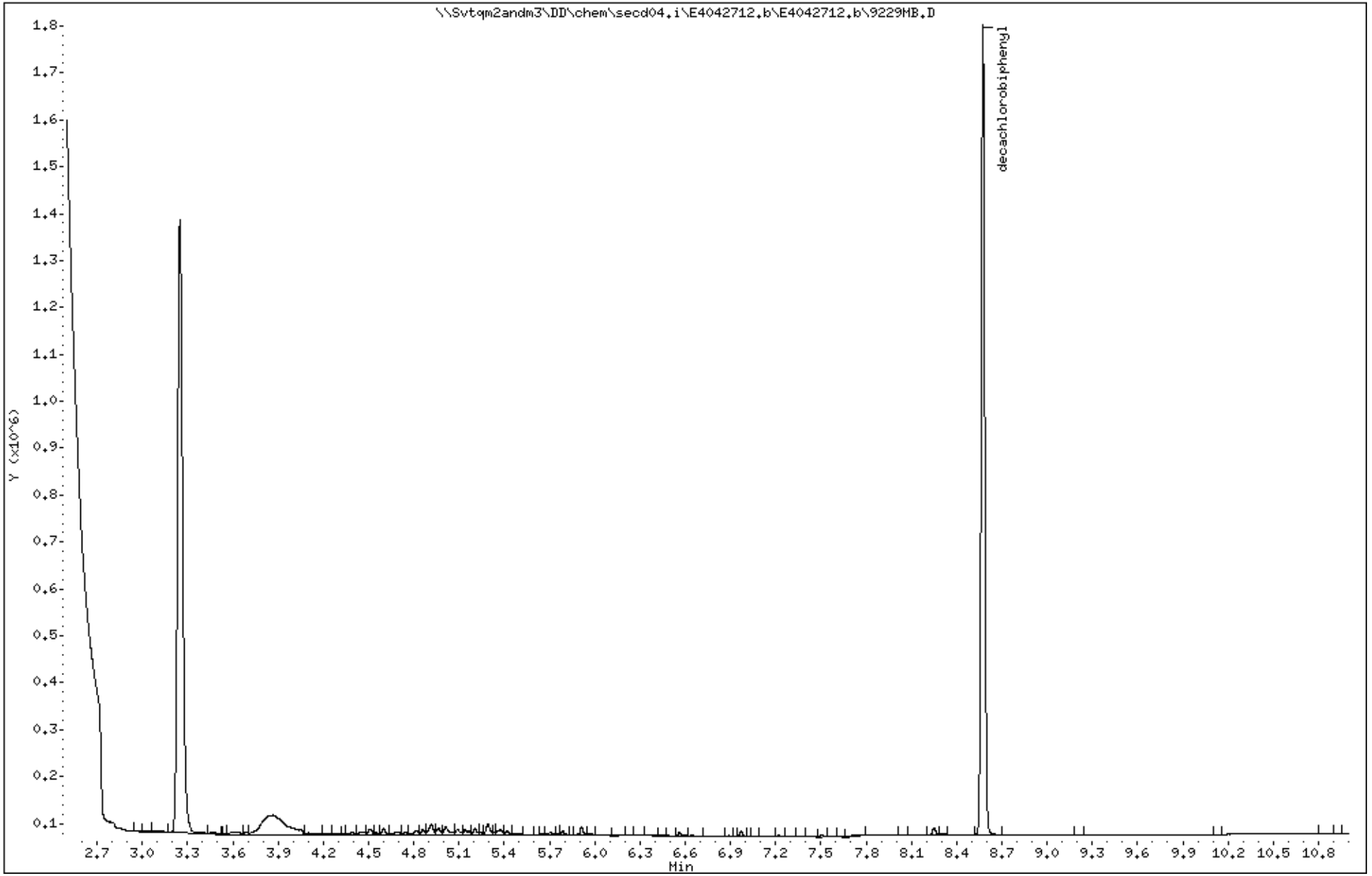
Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.150	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 45 decachlorobiphenyl	8.575	8.561	0.014	2832314	0.09843	29.7

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\9229MB.D
Date : 27-APR-2012 19:19
Client ID: 127811MB
Instrument: secd04.i
Sample Info: a127811mb
Operator: RO
Column phase: STX-CLP2
Column diameter: 0.32

2842



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Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\9229LCS.D
Report Date: 11-May-2012 14:06

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\9229LCS.D
Lab Smp Id: 127812LCS Client Smp ID: 127812LCS
Inj Date : 27-APR-2012 19:34
Operator : RO Inst ID: secd04.i
Smp Info : a127812lcs
Misc Info :
Comment   :
Method   : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.900	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	1 1016-1	3.741	3.743	-0.002	143037	0.13947	41.1
	2 1016-2	4.162	4.165	-0.003	191069	0.15859	46.8
	3 1016-3	4.648	4.649	-0.001	524918	0.14630	43.2
	4 1016-4	4.774	4.774	0.000	227722	0.13614	40.2
	5 1016-5	5.214	5.214	0.000	119973	0.12281	36.2
M	6 PCB 1016 Total				1206719	0.70330	207
	7 1260-1	6.279	6.278	0.001	2122707	0.14494	42.8
	8 1260-2	6.555	6.553	0.002	1278584	0.13184	38.9
	9 1260-3	6.737	6.735	0.002	1018977	0.13101	38.6
	10 1260-4	6.965	6.962	0.003	3342690	0.14299	42.2
	11 1260-5	7.741	7.739	0.002	658681	0.13624	40.2
M	12 PCB 1260 Total				8421639	0.68702	203
$	45 decachlorobiphenyl	8.245	8.240	0.005	2195568	0.08168	24.1

Data File: \\Svtqm2and03\DD\chem\secd04.i\E4042712.b\9229LCS.D
Date : 27-APR-2012 19:34
Client ID: 12781215CS
Sample Info: a12781215os
Column phase: STX-CLP1
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2and03\DD\chem\secd04.i\E4042712.b\9229LCS.D
Y (x10^6)
Min
-PCB 1016 Total
-decachlorobiphenyl
-1260-5
-1260-3
-1260-2
-1260-4
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Data File: 9229LCS.D
Report Date: 11-May-2012 14:06

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\9229LCS.D
Lab Smp Id: 127812LCS Client Smp ID: 127812LCS
Inj Date : 27-APR-2012 19:34
Operator : RO Inst ID: secd04.i
Smp Info : a127812lcs
Misc Info :
Comment   :
Method   : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 07:33 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 13 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.900	weight of sample extracted (g)
M	0.00000	% moisture
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	1 1016-1	3.867	3.871	-0.004	831579	0.19379	57.2(M)
	2 1016-2	4.310	4.313	-0.003	950424	0.16221	47.8(M)
	3 1016-3	4.756	4.759	-0.003	2250291	0.16611	49.0(M)
	4 1016-4	4.876	4.879	-0.003	843057	0.15677	46.2(M)
	5 1016-5	5.270	5.271	-0.001	641944	0.15974	47.1(M)
M	6 PCB 1016 Total				5517295	0.83861	247
	7 1260-1	6.340	6.340	0.000	1686107	0.15566	45.9(M)
	8 1260-2	6.649	6.648	0.001	1313107	0.13940	41.1(M)
	9 1260-3	6.869	6.869	0.000	1351836	0.14315	42.2(M)
	10 1260-4	7.047	7.046	0.001	3421501	0.14664	43.2(M)
	11 1260-5	7.880	7.878	0.002	789288	0.15367	45.3(M)
M	12 PCB 1260 Total				8561839	0.73851	218
$	45 decachlorobiphenyl	8.565	8.561	0.004	2868490	0.09969	29.4(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E404272I2.b\E404272I2.b\922929LCS.D
Date : 27-APR-2012 19:34
Client ID: 12781215CS
Sample Info: a12781215os
Column phase: STX-CLP2
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E404272I2.b\E404272I2.b\922929LCS.D
Y (x10^6)
Min
-decachlorobiphenyl
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1
-1260-5
PCB 1016 Total

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV3.D
Report Date: 11-May-2012 14:06

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METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV3.D
Lab Smp Id: 45333 Client Smp ID: ACCV3
Inj Date : 27-APR-2012 21:50
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.739	3.743	-0.004	97731	0.10000	0.095(M)
	2 1016-2	4.161	4.165	-0.004	123307	0.10000	0.10(M)
	3 1016-3	4.647	4.649	-0.002	328230	0.10000	0.091(M)
	4 1016-4	4.773	4.774	-0.001	158471	0.10000	0.095(M)
	5 1016-5	5.213	5.214	-0.001	81386	0.10000	0.083(M)
M	6 PCB 1016 Total				789125	0.50000	0.47
	7 1260-1	6.277	6.278	-0.001	1258616	0.10000	0.086(M)
	8 1260-2	6.552	6.553	-0.001	903801	0.10000	0.093(M)
	9 1260-3	6.735	6.735	0.000	679494	0.10000	0.087(M)
	10 1260-4	6.962	6.962	0.000	2188027	0.10000	0.094(M)
	11 1260-5	7.738	7.739	-0.001	465027	0.10000	0.096(M)
M	12 PCB 1260 Total				5494965	0.50000	0.46
$	45 decachlorobiphenyl	8.240	8.240	0.000	1222625	0.05000	0.045(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV3.D
Date : 27-APR-2012 21:50
Client ID: ACCV3
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\ACCV3.D
Min
Y (x10^6)
PCB 1016 Total
decachlorobiphenyl
1260-5
1260-4
1260-3
1260-2
1260-1
1016-5
1016-4
1016-3
1016-2
1016-1

Data File: ACCV3.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\ACCV3.D
Lab Smp Id: 45333 Client Smp ID: ACCV3
Inj Date : 27-APR-2012 21:50
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 07:33 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol. of extract
Cpnd Variable		Local Compound Variable

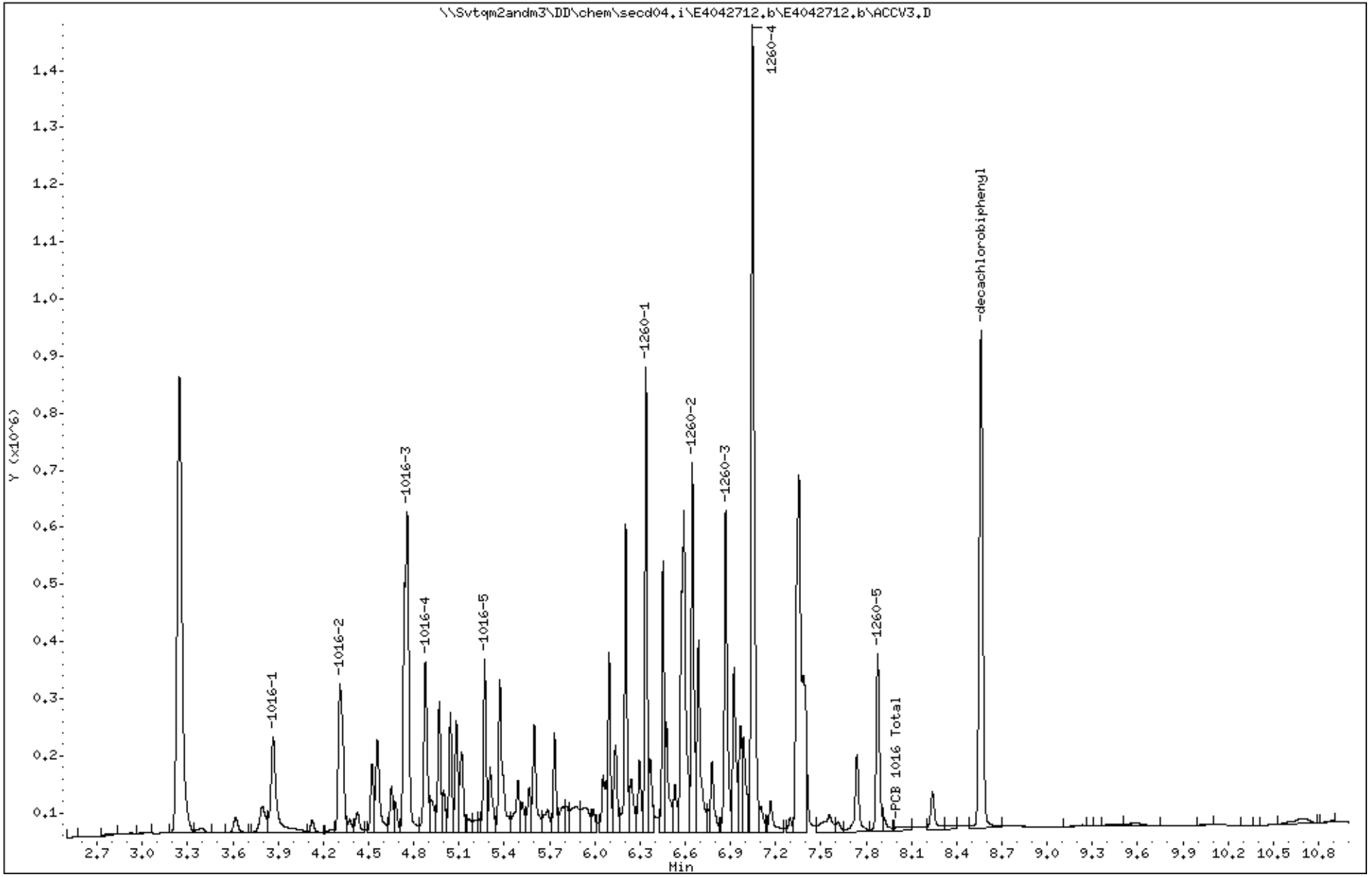
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.867	3.871	-0.004	466216	0.10000	0.11(M)
	2 1016-2	4.310	4.313	-0.003	584662	0.10000	0.100(M)
	3 1016-3	4.756	4.759	-0.003	1272837	0.10000	0.094(M)
	4 1016-4	4.877	4.879	-0.002	481045	0.10000	0.089(M)
	5 1016-5	5.270	5.271	-0.001	369809	0.10000	0.092(M)
M	6 PCB 1016 Total				3174569	0.50000	0.48
	7 1260-1	6.340	6.340	0.000	868237	0.10000	0.080(M)
	8 1260-2	6.648	6.648	0.000	782708	0.10000	0.083(M)
	9 1260-3	6.868	6.869	-0.001	770222	0.10000	0.082(M)
	10 1260-4	7.045	7.046	-0.001	2003247	0.10000	0.086(M)
	11 1260-5	7.877	7.878	-0.001	482666	0.10000	0.094(M)
M	12 PCB 1260 Total				4907080	0.50000	0.42
$	45 decachlorobiphenyl	8.561	8.561	0.000	1494259	0.05000	0.052(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4042712.b\E4042712.b\ACCV3.D
Date : 27-APR-2012 21:50
Client ID: ACCV3
Instrument: secd04.i
Sample Info: 45333
Volume Injected (uL): 5.0
Operator: RO
Column phase: STX-CLP2
Column diameter: 0.32

2850



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Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\ACCV1RB.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\ACCV1RB.D
Lab Smp Id: 45865 Client Smp ID: ACCV1R
Inj Date : 30-APR-2012 09:34
Operator : RO Inst ID: secd04.i
Smp Info : 45865
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

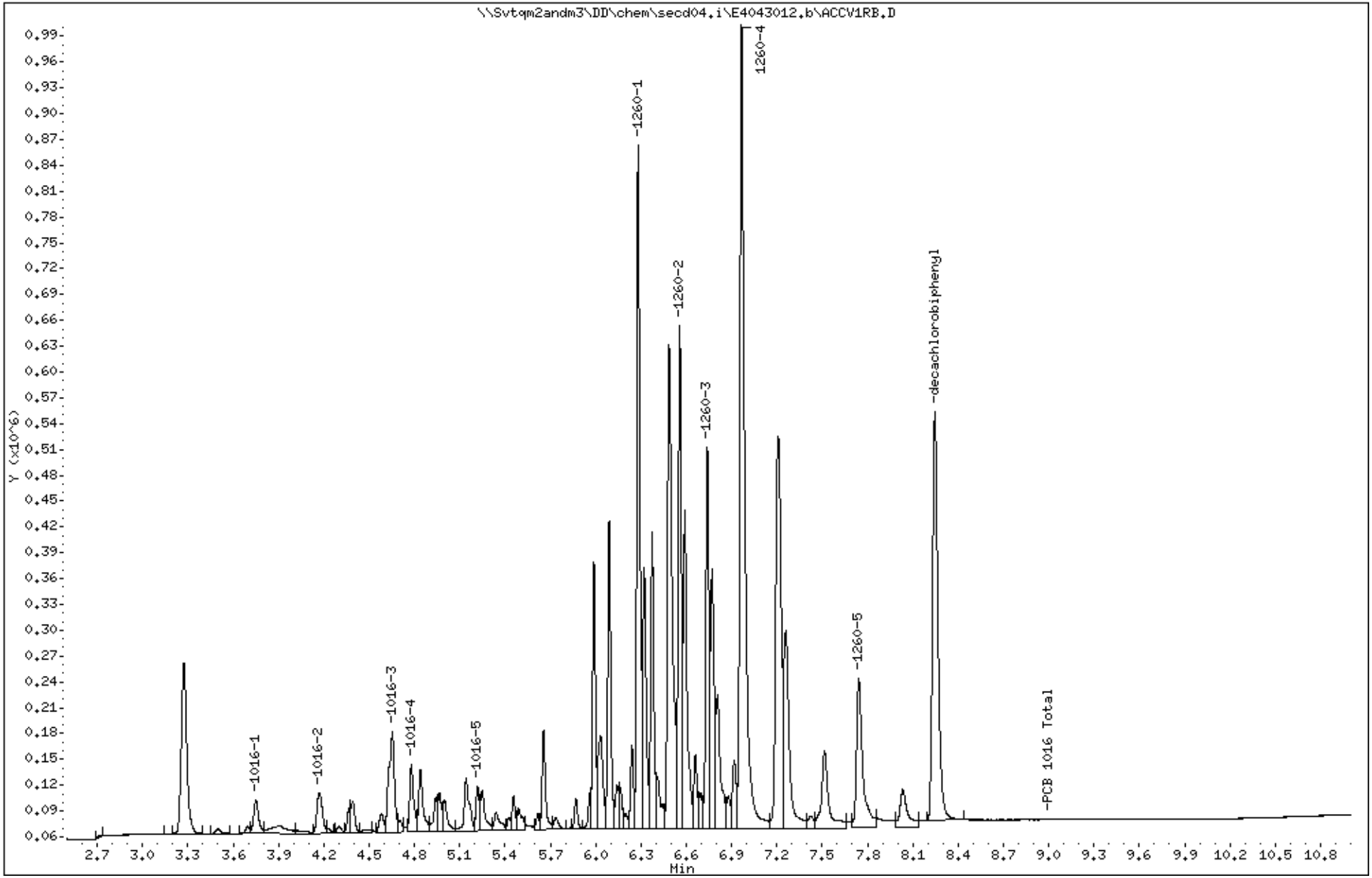
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.750	3.742	0.008	90983	0.10000	0.089(M)
	2 1016-2	4.169	4.162	0.007	120984	0.10000	0.10(M)
	3 1016-3	4.654	4.648	0.006	302549	0.10000	0.084(M)
	4 1016-4	4.779	4.773	0.006	146983	0.10000	0.088(M)
	5 1016-5	5.218	5.213	0.005	73141	0.10000	0.075(M)
M	6 PCB 1016 Total				734640	0.50000	0.44
	7 1260-1	6.281	6.277	0.004	1162728	0.10000	0.079(M)
	8 1260-2	6.556	6.553	0.003	843735	0.10000	0.087(M)
	9 1260-3	6.739	6.736	0.003	658264	0.10000	0.085(M)
	10 1260-4	6.966	6.962	0.004	2102484	0.10000	0.090(M)
	11 1260-5	7.742	7.738	0.004	506616	0.10000	0.10(M)
M	12 PCB 1260 Total				5273827	0.50000	0.44
$	45 decachlorobiphenyl	8.246	8.241	0.005	1192758	0.05000	0.044

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\ACCV1RB.D
Date : 30-APR-2012 09:34
Client ID: ACCV1R
Instrument: secd04.i
Sample Info: 45865
Volume Injected (uL): 5.0
Operator: RO
Column phase: STX-CLP1
Column diameter: 0.32

2852



3505835

Data File: ACCV1RB.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\ACCV1RB.D
Lab Smp Id: 45865 Client Smp ID: ACCV1R
Inj Date : 30-APR-2012 09:34
Operator : RO Inst ID: secd04.i
Smp Info : 45865
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 13:34 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

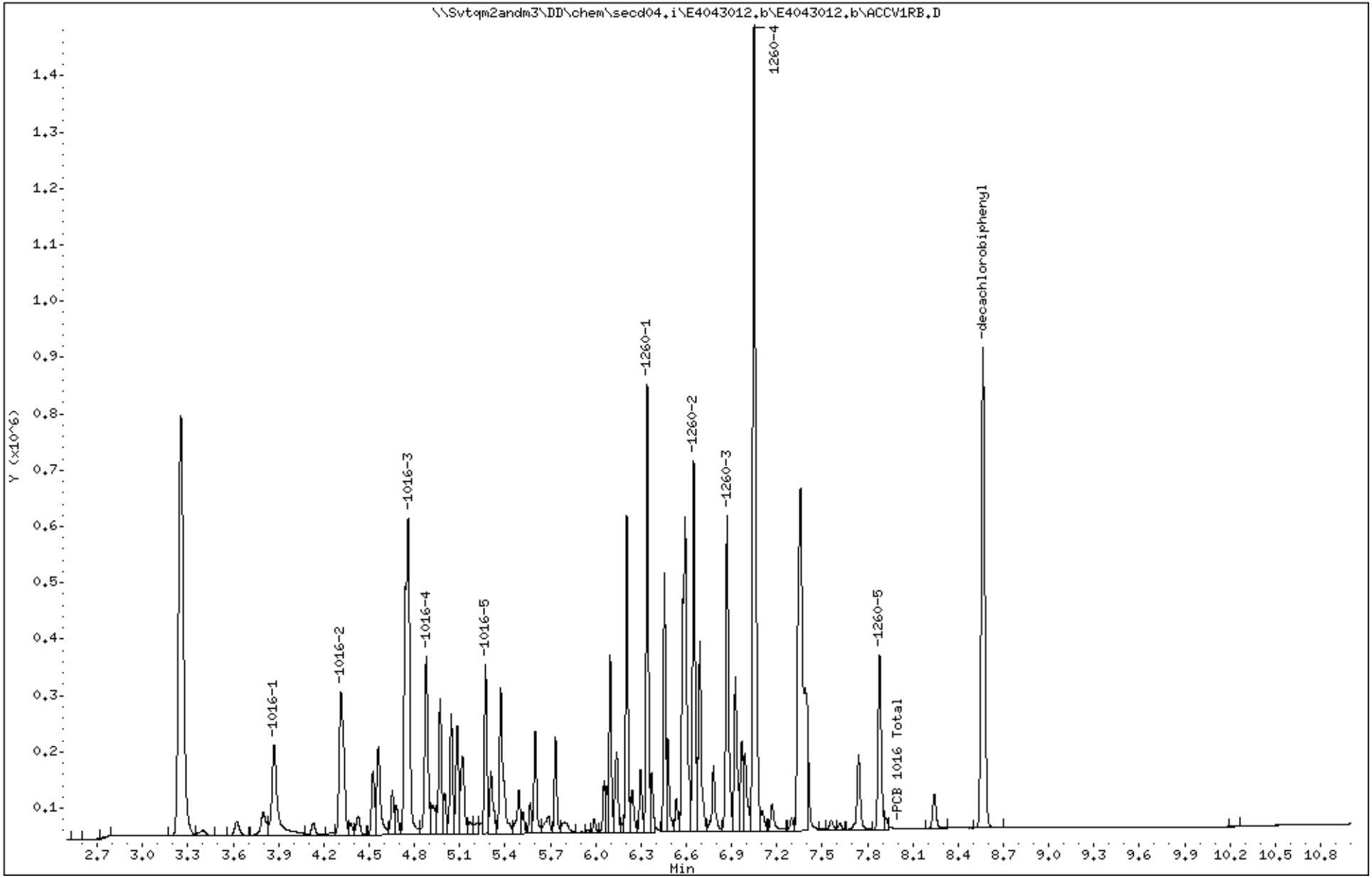
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.871	3.870	0.001	437704	0.10000	0.10(M)
	2 1016-2	4.313	4.313	0.000	550232	0.10000	0.094(M)
	3 1016-3	4.758	4.758	0.000	1256548	0.10000	0.093(M)
	4 1016-4	4.879	4.878	0.001	485773	0.10000	0.090(M)
	5 1016-5	5.271	5.271	0.000	348162	0.10000	0.087(M)
M	6 PCB 1016 Total				3078419	0.50000	0.46
	7 1260-1	6.341	6.340	0.001	814991	0.10000	0.075(M)
	8 1260-2	6.650	6.649	0.001	749425	0.10000	0.080(M)
	9 1260-3	6.870	6.869	0.001	722980	0.10000	0.076(M)
	10 1260-4	7.048	7.047	0.001	1944096	0.10000	0.083(M)
	11 1260-5	7.880	7.878	0.002	457512	0.10000	0.089(M)
M	12 PCB 1260 Total				4689004	0.50000	0.40
$	45 decachlorobiphenyl	8.564	8.563	0.001	1396688	0.05000	0.048(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\ACCV1RB.D
Date : 30-APR-2012 09:34
Client ID: ACCV1R
Instrument: secd04.i
Sample Info: 45865
Volume Injected (uL): 5.0
Operator: RO
Column phase: STX-CLP2
Column diameter: 0.32

2854



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-2R.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-2R.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 30-APR-2012 10:46
Operator : RO Inst ID: secd04.i
Smp Info : a350583502
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.030	weight of sample extracted (g)
M	19.300	% moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 45 decachlorobiphenyl	8.245	8.241	0.004	1990522	0.07405	27.8(M)

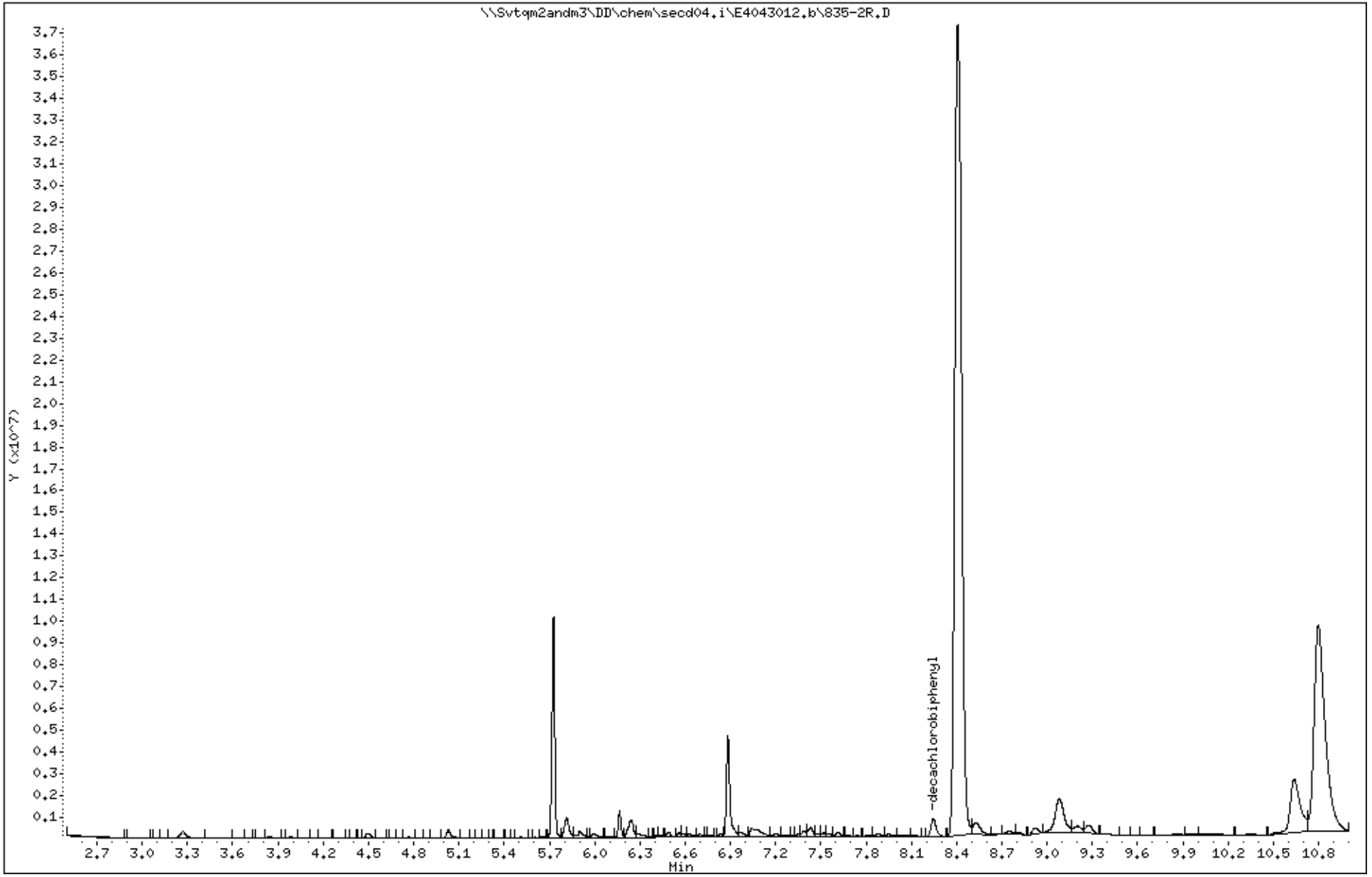
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-2R.D
Date : 30-APR-2012 10:46
Client ID: EPAFMC-SD-02
Instrument: secd04.i
Sample Info: a350583502
Operator: RO
Column phase: STX-CLP1
Column diameter: 0.32

2856

3505835



Data File: 835-2R.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\835-2R.D
Lab Smp Id: 350583502 Client Smp ID: EPAFMC-SD-02
Inj Date : 30-APR-2012 10:46
Operator : RO Inst ID: secd04.i
Smp Info : a350583502
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 13:34 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.030	weight of sample extracted (g)
M	19.300	% moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 45 decachlorobiphenyl	8.566	8.563	0.003	2014009	0.06999	26.2(M)

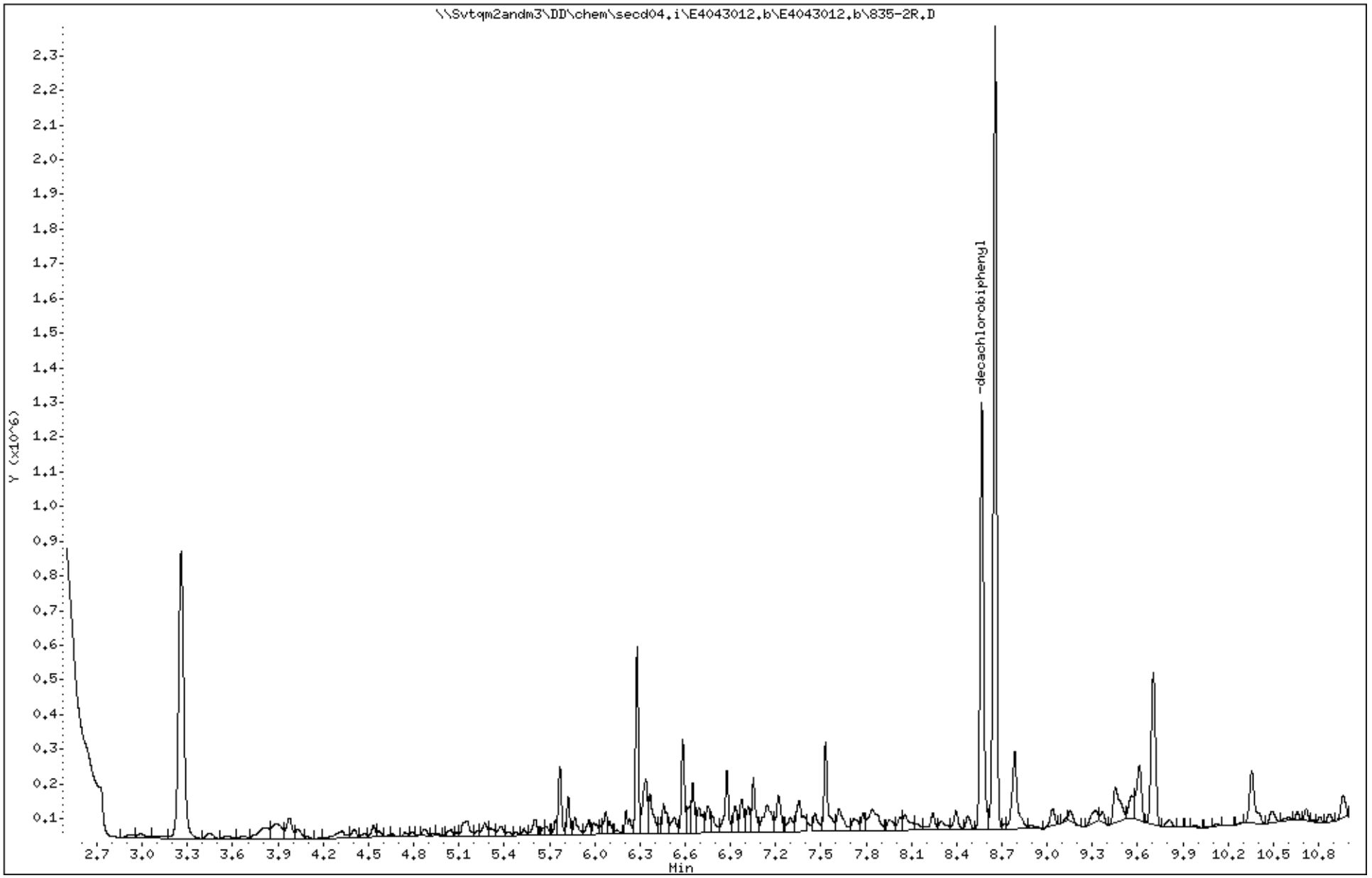
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\835-2R.D
Date : 30-APR-2012 10:46
Client ID: EPAFMC-SD-02
Sample Info: a350583502

Instrument: secd04.i
Operator: RO
Column phase: STX-CLP2
Column diameter: 0.32

2858



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-4R.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-4R.D
Lab Smp Id: 350583504 Client Smp ID: EPAFMC-SD-04
Inj Date : 30-APR-2012 11:01
Operator : RO Inst ID: secd04.i
Smp Info : a350583504
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pall.sub
Target Version: 4.14

Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.040	weight of sample extracted (g)
M	38.000	% moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 45 decachlorobiphenyl	8.242	8.241	0.001	4400237	0.16370	79.9(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\835-4R.D
Date : 30-APR-2012 11:01
Client ID: EPAFMC-SD-04
Sample Info: a350583504

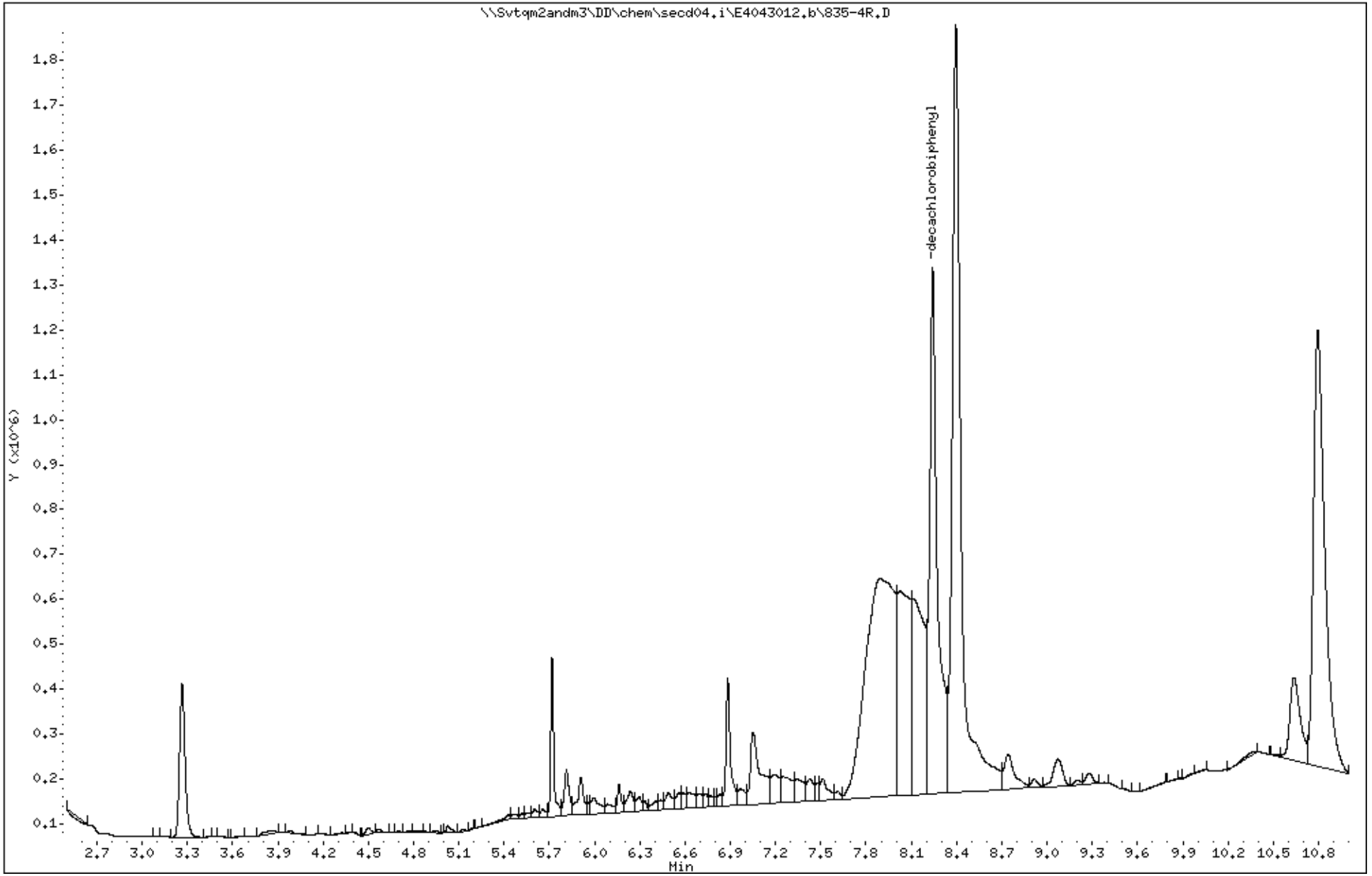
Column phase: STX-CLP1

Instrument: secd04.i

Operator: RO
Column diameter: 0.32

2860

3505835



Data File: 835-4R.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\835-4R.D
Lab Smp Id: 350583504 Client Smp ID: EPAFMC-SD-04
Inj Date : 30-APR-2012 11:01
Operator : RO Inst ID: secd04.i
Smp Info : a350583504
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 13:34 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

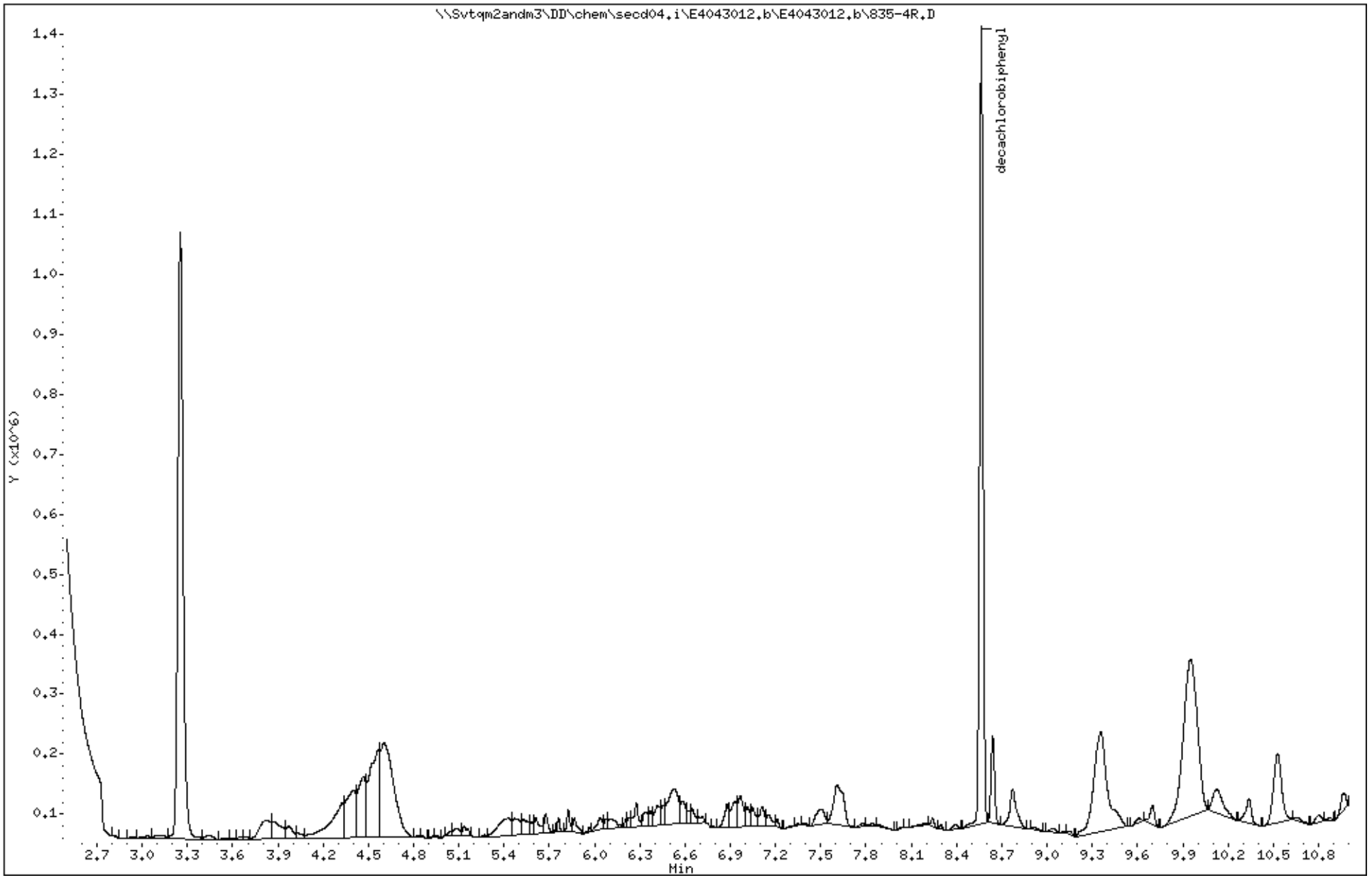
Concentration Formula: Amt * DF * (Vf/((Ws*(1-(M/100)))/1000)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	10.000	final vol.of extract
Ws	33.040	weight of sample extracted (g)
M	38.000	% moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 45 decachlorobiphenyl	8.563	8.563	0.000	2157744	0.07499	36.6

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\835-4R.D
Date : 30-APR-2012 11:01
Client ID: EPAFMC-SD-04
Instrument: secd04.i
Sample Info: a350583504
Operator: RO
Column phase: STX-CLP2
Column diameter: 0.32

2862



3505835

Data File: \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\ACCV2B.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\ACCV2B.D
Lab Smp Id: 45333 Client Smp ID: ACCV2
Inj Date : 30-APR-2012 12:01
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m
Meth Date : 11-May-2012 14:05 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 11:19 Cal File: ACAL1.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.742	3.742	0.000	95508	0.10000	0.093(M)
	2 1016-2	4.162	4.162	0.000	125783	0.10000	0.10(M)
	3 1016-3	4.648	4.648	0.000	331968	0.10000	0.092(M)
	4 1016-4	4.773	4.773	0.000	162961	0.10000	0.097(M)
	5 1016-5	5.213	5.213	0.000	82497	0.10000	0.084(M)
M	6 PCB 1016 Total				798717	0.50000	0.47
	7 1260-1	6.277	6.277	0.000	1281755	0.10000	0.088(M)
	8 1260-2	6.553	6.553	0.000	904959	0.10000	0.093(M)
	9 1260-3	6.736	6.736	0.000	688885	0.10000	0.088(M)
	10 1260-4	6.962	6.962	0.000	2221305	0.10000	0.095(M)
	11 1260-5	7.738	7.738	0.000	483685	0.10000	0.10(M)
M	12 PCB 1260 Total				5580589	0.50000	0.46
$	45 decachlorobiphenyl	8.241	8.241	0.000	1266263	0.05000	0.047(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2and3\DD\chem\secd04.i\E4043012.b\ACCV2B.D
Date : 30-APR-2012 12:01
Client ID: ACCV2
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP1
Instrument: secd04.i
Operator: RO
Column diameter: 0.32
\\Svtqm2and3\DD\chem\secd04.i\E4043012.b\ACCV2B.D
Min
Y (x10^6)
PCB 1016 Total
decachlorobiphenyl
1260-5
1260-4
1260-3
1260-2
1260-1
1016-5
1016-4
1016-3
1016-2
1016-1

Data File: ACCV2B.D
Report Date: 11-May-2012 14:06

PEL Laboratories, Inc.

METHOD 8082

Data file : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\E4043012.b\ACCV2B.D
Lab Smp Id: 45333 Client Smp ID: ACCV2
Inj Date : 30-APR-2012 12:01
Operator : RO Inst ID: secd04.i
Smp Info : 45333
Misc Info :
Comment :
Method : \\Svtqm2andm3\DD\chem\secd04.i\E4043012.b\8082A.m\8082a.m
Meth Date : 30-Apr-2012 13:34 cabadia Quant Type: ESTD
Cal Date : 19-MAR-2012 12:35 Cal File: ACAL6.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 10161260.sub
Target Version: 4.14
Processing Host: WCHEM1

Concentration Formula: Amt * DF * (1/(Vo/1000)*Vf) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Volume of sample extracted (mL)
Vf	10.000	final vol of sample
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1016-1	3.870	3.870	0.000	434381	0.10000	0.10(M)
	2 1016-2	4.313	4.313	0.000	585263	0.10000	0.100(M)
	3 1016-3	4.758	4.758	0.000	1354485	0.10000	0.100(M)
	4 1016-4	4.878	4.878	0.000	496197	0.10000	0.092(M)
	5 1016-5	5.271	5.271	0.000	382247	0.10000	0.095(M)
M	6 PCB 1016 Total				3252573	0.50000	0.49
	7 1260-1	6.340	6.340	0.000	817333	0.10000	0.075(M)
	8 1260-2	6.649	6.649	0.000	815746	0.10000	0.086(M)
	9 1260-3	6.869	6.869	0.000	795759	0.10000	0.084(M)
	10 1260-4	7.047	7.047	0.000	2091872	0.10000	0.090(M)
	11 1260-5	7.878	7.878	0.000	538329	0.10000	0.10(M)
M	12 PCB 1260 Total				5059039	0.50000	0.44
$	45 decachlorobiphenyl	8.563	8.563	0.000	1530579	0.05000	0.053(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svtqm2andm3\DD\chem\secdo4.i\E4043012.b\E4043012.b\ACCV2B.D
Date : 30-APR-2012 12:01
Client ID: ACCV2
Sample Info: 45333
Volume Injected (uL): 5.0
Column phase: STX-CLP2
Instrument: secdo4.i
Operator: RO
Column diameter: 0.32
\\Svtqm2andm3\DD\chem\secdo4.i\E4043012.b\E4043012.b\ACCV2B.D
Min
Y (x10^6)
-decachlorobiphenyl
-PCB 1016 Total
-1260-5
-1260-4
-1260-3
-1260-2
-1260-1
-1016-5
-1016-4
-1016-3
-1016-2
-1016-1

Raw Data Inorganics/Metals

Spectrum Analytical, Inc. Florida Division

Prepared by: JB
Balance ID: Met 1
Filter Lot: WA
LCS/MS/SD Spike amount: 1.00 mL Each
Water Bath Temperature: 95 °C
Dig Tube: 120252

Date Prepared: 4/25/12
Majors Spike: MET# 44322
Minors Spike: MET# 45240
Pipette(s) Used for spikes: P2
Thermometer ID: 289366
Glass Beads: 33394

Reagents: PM#
HNO_3 45139
HCl 45535
H_2O_2 44559

Method (Circle one)
Water: 3010A = ICP; 3005A = ICP; 3020A Mod = Furnace; 3020A Sb Mod = Furnace
Soil: 3050B = ICP or Furnace; ILMO5.2 = CLP

PREP ID # 042512A
Start Time: 14:01 Stop Time: 15:09

6010 so.1

	Container #	Sample ID	ID	Initial Weight (g) or Volume (mL) 3 SigFig	Final volume (mL)	Comment or Notification: / Pilot Batch #
		Blk 042512A	BLK	.515	50.0 mL	Pilot Batch #: 9201
		LCS	LCS	.510		Pilot# 127448
		LCSD	LCSD	.518		Pilot# 49
						Pilot# 50
1	1	350583501		.603		IV 5/23
1		07	MS	.640		
1		08	SD	.622		Pilot#
2	2	02		.522		Pilot#
3		03		.589		
4	1	04		.598		
5		05		.709		
6		06		.666		
7	5	350581001		.524		III 4/27
8		02		.543		
9		03		.518		
10	4	350581401		.701		III 5/30
11		350581701		.537		IV 4/30
12	5	02		.796		
13		03		.612		
14						
15						
16						
17						
18						
19						
20						

4/25/12 JB

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: STD1-Blank **Date Collected: 4/27/2012 10:18:21 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:03 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: STD1-Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	269299.3	1532.16	0.57%	100	%
Sc 361.383	2340964.4	3743.87	0.16%	100	%
Ag 328.068†	-134.1	11.48	8.56%	[0.00]	ug/L
Al 308.215†	182.7	5.91	3.24%	[0.00]	ug/L
As 188.979†	-9.9	0.15	1.48%	[0.00]	ug/L
Ba 233.527†	-14.6	6.57	45.00%	[0.00]	ug/L
Be 234.861†	-238.2	4.13	1.74%	[0.00]	ug/L
Ca 315.887†	-473.5	8.13	1.72%	[0.00]	ug/L
Cd 226.502†	-23.2	1.02	4.41%	[0.00]	ug/L
Co 228.616†	-79.3	1.97	2.49%	[0.00]	ug/L
Cr 267.716†	65.7	7.38	11.23%	[0.00]	ug/L
Cu 324.752†	4636.2	36.47	0.79%	[0.00]	ug/L
Fe 259.939†	126.9	3.15	2.48%	[0.00]	ug/L
K 766.490†	-1929.8	115.02	5.96%	[0.00]	ug/L
Mg 279.077†	59.6	8.67	14.54%	[0.00]	ug/L
Mn 257.610†	188.6	9.67	5.13%	[0.00]	ug/L
Mo 202.031†	-13.1	1.53	11.71%	[0.00]	ug/L
Na 589.592†	549.0	46.36	8.45%	[0.00]	ug/L
Ni 231.604†	-75.0	1.07	1.43%	[0.00]	ug/L
Pb 220.353†	20.9	2.61	12.49%	[0.00]	ug/L
Sb 206.836†	18.6	2.11	11.40%	[0.00]	ug/L
Se 196.026†	-7.2	4.07	56.55%	[0.00]	ug/L
Sn 189.927†	-18.2	2.40	13.22%	[0.00]	ug/L
Sr 421.552†	26.6	10.19	38.32%	[0.00]	ug/L
Ti 334.940†	-320.2	50.62	15.81%	[0.00]	ug/L
Tl 190.801†	-18.8	2.20	11.73%	[0.00]	ug/L
V 292.402†	-4.9	4.24	87.03%	[0.00]	ug/L
Zn 206.200†	1.6	1.44	90.95%	[0.00]	ug/L

==========

Sequence No.: 2 **Autosampler Location: 14**
Sample ID: Calib Std 1Maj **Date Collected: 4/27/2012 10:24:29 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:34 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1Maj

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Sc Radial	259747.9	10622.19	4.09%	96.5	%
Sc 361.383	2290140.0	29066.81	1.27%	97.8	%
Al 308.215†	122.1	14.51	11.89%	[25]	ug/L
Ba 233.527†	63.1	3.71	5.89%	[0.5]	ug/L
Be 234.861†	85.7	3.53	4.12%	[0.5]	ug/L
Ca 315.887†	964.4	21.62	2.24%	[25]	ug/L
Cd 226.502†	3.4	1.18	34.47%	[0.5]	ug/L
Co 228.616†	3.7	3.77	102.11%	[0.5]	ug/L
Fe 259.939†	587.0	37.36	6.36%	[40]	ug/L
K 766.490†	294.8	83.51	28.33%	[25]	ug/L
Mg 279.077†	269.1	11.76	4.37%	[25]	ug/L
Na 589.592†	428.2	32.19	7.52%	[25]	ug/L
Sr 421.552†	701.0	20.69	2.95%	[0.4]	ug/L
Ti 334.940†	248.5	21.90	8.81%	[0.4]	ug/L
V 292.402†	25.9	6.14	23.72%	[0.5]	ug/L

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 4/27/2012 10:30:37 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:35 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc Radial	272767.4	3457.88	1.27%	101	%
Sc 361.383	2355724.0	17626.85	0.75%	101	%
Ag 328.068†	611.8	51.64	8.44%	[5]	ug/L
Al 308.215†	502.5	11.21	2.23%	[250]	ug/L
As 188.979†	2.1	1.93	90.68%	[5]	ug/L
Ba 233.527†	421.6	6.40	1.52%	[5]	ug/L
Be 234.861†	944.6	7.32	0.77%	[5]	ug/L
Ca 315.887†	2879.5	24.14	0.84%	[250]	ug/L
Cd 226.502†	34.0	2.22	6.53%	[5]	ug/L
Co 228.616†	96.2	4.46	4.63%	[5]	ug/L
Cr 267.716†	172.0	4.12	2.40%	[5]	ug/L
Cu 324.752†	1716.5	62.32	3.63%	[5]	ug/L
Fe 259.939†	4989.0	72.40	1.45%	[400]	ug/L
K 766.490†	1472.1	18.75	1.27%	[250]	ug/L
Mg 279.077†	2351.7	55.75	2.37%	[250]	ug/L
Mn 257.610†	2675.3	47.61	1.78%	[5]	ug/L
Mo 202.031†	14.5	1.05	7.26%	[5]	ug/L
Na 589.592†	2696.2	35.10	1.30%	[250]	ug/L
Ni 231.604†	48.9	3.66	7.49%	[5]	ug/L
Pb 220.353†	8.2	3.82	46.59%	[5]	ug/L
Sb 206.836†	5.6	2.28	40.51%	[5]	ug/L
Se 196.026†	1.6	3.52	214.03%	[5]	ug/L
Sn 189.927†	7.8	0.54	6.95%	[4]	ug/L
Sr 421.552†	2933.5	40.36	1.38%	[4]	ug/L
Ti 334.940†	2246.9	43.06	1.92%	[4]	ug/L
Tl 190.801†	6.2	1.84	29.87%	[5]	ug/L
V 292.402†	202.5	9.44	4.66%	[5]	ug/L
Zn 206.200†	64.0	4.10	6.41%	[5]	ug/L

Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Std 2 **Date Collected: 4/27/2012 10:36:50 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:36 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	264558.3	342.15	0.13%	98.2	%
Sc 361.383	2318283.5	48175.94	2.08%	99.0	%
Ag 328.068†	6481.6	92.51	1.43%	[50]	ug/L
Al 308.215†	4679.3	23.54	0.50%	[2500]	ug/L
As 188.979†	42.2	1.53	3.62%	[50]	ug/L
Ba 233.527†	4130.0	91.71	2.22%	[50]	ug/L
Be 234.861†	10150.5	157.46	1.55%	[50]	ug/L
Ca 315.887†	20195.9	192.08	0.95%	[2500]	ug/L
Cd 226.502†	353.7	2.27	0.64%	[50]	ug/L
Co 228.616†	1041.6	14.88	1.43%	[50]	ug/L
Cr 267.716†	1738.1	31.96	1.84%	[50]	ug/L
Cu 324.752†	15563.7	427.34	2.75%	[50]	ug/L
Fe 259.939†	52707.9	512.06	0.97%	[4000]	ug/L
K 766.490†	11346.5	49.45	0.44%	[2500]	ug/L
Mg 279.077†	24271.9	151.84	0.63%	[2500]	ug/L
Mn 257.610†	25833.9	466.08	1.80%	[50]	ug/L
Mo 202.031†	173.0	3.34	1.93%	[50]	ug/L
Na 589.592†	24831.9	102.56	0.41%	[2500]	ug/L
Ni 231.604†	494.7	9.21	1.86%	[50]	ug/L
Pb 220.353†	84.4	2.25	2.67%	[50]	ug/L
Sb 206.836†	76.1	2.42	3.18%	[50]	ug/L
Se 196.026†	28.0	3.84	13.73%	[50]	ug/L
Sn 189.927†	58.5	4.67	7.99%	[40]	ug/L
Sr 421.552†	26510.2	261.68	0.99%	[40]	ug/L
Ti 334.940†	22710.4	451.64	1.99%	[40]	ug/L
Tl 190.801†	54.6	1.89	3.46%	[50]	ug/L
V 292.402†	2160.9	63.51	2.94%	[50]	ug/L
Zn 206.200†	442.8	7.91	1.79%	[50]	ug/L

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: Calib Std 3 **Date Collected: 4/27/2012 10:42:06 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:37 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	269236.8	2521.40	0.94%	100.0	%
Sc 361.383	2324166.5	14134.15	0.61%	99.3	%
Ag 328.068†	63017.8	722.52	1.15%	[500]	ug/L
Al 308.215†	43756.9	162.98	0.37%	[25000]	ug/L
As 188.979†	412.3	2.39	0.58%	[500]	ug/L
Ba 233.527†	39417.6	577.51	1.47%	[500]	ug/L
Be 234.861†	100743.8	624.06	0.62%	[500]	ug/L
Ca 315.887†	184151.7	95.78	0.05%	[25000]	ug/L
Cd 226.502†	3368.2	14.85	0.44%	[500]	ug/L
Co 228.616†	10011.7	162.99	1.63%	[500]	ug/L
Cr 267.716†	16566.7	334.62	2.02%	[500]	ug/L
Cu 324.752†	151392.1	269.37	0.18%	[500]	ug/L
Fe 259.939†	491422.2	798.27	0.16%	[40000]	ug/L
K 766.490†	108171.4	199.10	0.18%	[25000]	ug/L
Mg 279.077†	233801.6	1271.01	0.54%	[25000]	ug/L
Mn 257.610†	242223.9	993.42	0.41%	[500]	ug/L
Mo 202.031†	1684.5	12.13	0.72%	[500]	ug/L
Na 589.592†	239462.0	597.25	0.25%	[25000]	ug/L
Ni 231.604†	4690.2	33.20	0.71%	[500]	ug/L
Pb 220.353†	807.9	6.27	0.78%	[500]	ug/L
Sb 206.836†	751.4	6.97	0.93%	[500]	ug/L
Se 196.026†	289.8	5.94	2.05%	[500]	ug/L
Sn 189.927†	530.8	3.33	0.63%	[400]	ug/L
Sr 421.552†	245706.6	322.69	0.13%	[400]	ug/L
Ti 334.940†	219392.7	639.91	0.29%	[400]	ug/L
Tl 190.801†	543.5	6.92	1.27%	[500]	ug/L
V 292.402†	20774.7	233.02	1.12%	[500]	ug/L
Zn 206.200†	4165.3	12.45	0.30%	[500]	ug/L

Sequence No.: 6 **Autosampler Location: 9**
Sample ID: Calib Std 4 **Date Collected: 4/27/2012 10:47:20 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:38 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc Radial	246215.9	904.62	0.37%	91.4	%
Sc 361.383	2096357.5	30378.06	1.45%	89.6	%
Al 308.215†	481381.6	2303.65	0.48%	[250000]	ug/L
As 188.979†	4366.2	48.66	1.11%	[5000]	ug/L
Ba 233.527†	387494.9	2766.66	0.71%	[5000]	ug/L
Be 234.861†	1063878.6	12930.74	1.22%	[5000]	ug/L
Ca 315.887†	1937123.4	8590.54	0.44%	[250000]	ug/L
Cd 226.502†	32101.0	701.83	2.19%	[5000]	ug/L
Co 228.616†	94163.3	1425.41	1.51%	[5000]	ug/L
Cr 267.716†	162585.2	2769.98	1.70%	[5000]	ug/L
Cu 324.752†	1642445.6	20825.98	1.27%	[5000]	ug/L
Fe 259.939†	4743659.1	18931.08	0.40%	[400000]	ug/L
K 766.490†	1217153.1	5314.16	0.44%	[250000]	ug/L
Mg 279.077†	2340880.1	5838.32	0.25%	[250000]	ug/L
Mn 257.610†	2337165.4	27163.64	1.16%	[5000]	ug/L
Mo 202.031†	16696.8	233.31	1.40%	[5000]	ug/L
Na 589.592†	2608441.4	5027.95	0.19%	[250000]	ug/L
Ni 231.604†	44206.9	718.96	1.63%	[5000]	ug/L
Pb 220.353†	7772.7	108.74	1.40%	[5000]	ug/L
Sb 206.836†	7782.6	112.10	1.44%	[5000]	ug/L
Se 196.026†	3079.4	42.37	1.38%	[5000]	ug/L
Sn 189.927†	5306.3	55.26	1.04%	[4000]	ug/L
Sr 421.552†	2551065.5	13560.96	0.53%	[4000]	ug/L
Ti 334.940†	2212635.8	24255.58	1.10%	[4000]	ug/L
Tl 190.801†	4975.0	68.19	1.37%	[5000]	ug/L
V 292.402†	209139.0	4507.95	2.16%	[5000]	ug/L
Zn 206.200†	39978.4	711.11	1.78%	[5000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Wt. Lin	-27.4	128.0	0.00000	0.999856	
Al 308.215	5	Wt. Lin	76.7	1.807	0.00000	0.998803	
As 188.979	4	Wt. Lin	-2.2	0.8630	0.00000	0.999536	
Ba 233.527	5	Wt. Lin	23.4	79.50	0.00000	0.999760	
Be 234.861	5	Wt. Lin	-16.2	202.7	0.00000	0.999306	
Ca 315.887	5	Wt. Lin	770.8	7.806	0.00000	0.998643	
Cd 226.502	5	Wt. Lin	0.0	6.755	0.00000	0.999376	
Co 228.616	5	Wt. Lin	-6.3	20.07	0.00000	0.999175	
Cr 267.716	4	Wt. Lin	5.6	33.39	0.00000	0.999607	
Cu 324.752	4	Wt. Lin	147.1	313.3	0.00000	0.999319	
Fe 259.939	5	Wt. Lin	91.2	12.39	0.00000	0.999226	
K 766.490	5	Wt. Lin	178.5	4.696	0.00000	0.997283	
Mg 279.077	5	Wt. Lin	33.2	9.424	0.00000	0.999843	
Mn 257.610	4	Wt. Lin	253.3	486.8	0.00000	0.999236	
Mo 202.031	4	Wt. Lin	-2.5	3.404	0.00000	0.999748	
Na 589.592	5	Wt. Lin	178.8	9.982	0.00000	0.999476	
Ni 231.604	4	Wt. Lin	2.5	9.337	0.00000	0.998953	
Pb 220.353	4	Wt. Lin	0.1	1.616	0.00000	0.999401	
Sb 206.836	4	Wt. Lin	-2.1	1.542	0.00000	0.999853	
Se 196.026	4	Wt. Lin	-1.3	0.5951	0.00000	0.999647	
Sn 189.927	4	Wt. Lin	2.4	1.348	0.00000	0.999574	
Sr 421.552	5	Wt. Lin	448.2	631.1	0.00000	0.999708	
Ti 334.940	5	Wt. Lin	26.2	556.0	0.00000	0.999919	
Tl 190.801	4	Wt. Lin	0.9	1.051	0.00000	0.999206	
V 292.402	5	Wt. Lin	5.0	41.54	0.00000	0.999478	
Zn 206.200	4	Wt. Lin	23.1	8.217	0.00000	0.999767	

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Sequence No.: 7 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 4/27/2012 11:06:08 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:39 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	267121.6	99.2	%	0.88				0.88%
Sc 361.383	2296047.8	98.1	%	0.46				0.47%
Ag 328.068†	20569.3	161	ug/L	0.8	161	ug/L	0.8	0.47%
QC value within limits for Ag 328.068 Recovery = 100.82%								
Al 308.215†	72147.0	39900	ug/L	180.8	39900	ug/L	180.8	0.45%
QC value within limits for Al 308.215 Recovery = 99.74%								
As 188.979†	342.9	404	ug/L	4.0	404	ug/L	4.0	1.00%
QC value within limits for As 188.979 Recovery = 100.94%								
Ba 233.527†	94533.4	1190	ug/L	10.3	1190	ug/L	10.3	0.87%
QC value within limits for Ba 233.527 Recovery = 98.97%								
Be 234.861†	85257.5	421	ug/L	2.7	421	ug/L	2.7	0.63%
QC value within limits for Be 234.861 Recovery = 105.24%								
Ca 315.887†	302265.1	38600	ug/L	58.3	38600	ug/L	58.3	0.15%
QC value within limits for Ca 315.887 Recovery = 96.56%								
Cd 226.502†	2782.7	406	ug/L	0.7	406	ug/L	0.7	0.16%
QC value within limits for Cd 226.502 Recovery = 101.55%								
Co 228.616†	8081.0	401	ug/L	5.8	401	ug/L	5.8	1.44%
QC value within limits for Co 228.616 Recovery = 100.22%								
Cr 267.716†	13570.3	407	ug/L	6.0	407	ug/L	6.0	1.48%
QC value within limits for Cr 267.716 Recovery = 101.65%								
Cu 324.752†	125156.9	398	ug/L	4.1	398	ug/L	4.1	1.03%
QC value within limits for Cu 324.752 Recovery = 99.50%								
Fe 259.939†	500543.8	40400	ug/L	68.5	40400	ug/L	68.5	0.17%
QC value within limits for Fe 259.939 Recovery = 101.00%								
K 766.490†	179979.4	38300	ug/L	216.9	38300	ug/L	216.9	0.57%
QC value within limits for K 766.490 Recovery = 95.72%								
Mg 279.077†	375405.6	39800	ug/L	332.7	39800	ug/L	332.7	0.84%
QC value within limits for Mg 279.077 Recovery = 99.58%								
Mn 257.610†	200859.2	412	ug/L	0.7	412	ug/L	0.7	0.17%
QC value within limits for Mn 257.610 Recovery = 102.90%								
Mo 202.031†	1401.1	414	ug/L	0.7	414	ug/L	0.7	0.18%
QC value within limits for Mo 202.031 Recovery = 103.46%								
Na 589.592†	396985.4	39800	ug/L	99.6	39800	ug/L	99.6	0.25%
QC value within limits for Na 589.592 Recovery = 99.38%								
Ni 231.604†	3875.1	414	ug/L	2.1	414	ug/L	2.1	0.51%
QC value within limits for Ni 231.604 Recovery = 103.59%								
Pb 220.353†	668.4	414	ug/L	1.6	414	ug/L	1.6	0.38%
QC value within limits for Pb 220.353 Recovery = 103.61%								
Sb 206.836†	603.1	388	ug/L	2.1	388	ug/L	2.1	0.55%
QC value within limits for Sb 206.836 Recovery = 97.12%								
Se 196.026†	241.0	411	ug/L	4.4	411	ug/L	4.4	1.07%
QC value within limits for Se 196.026 Recovery = 102.64%								
Sn 189.927†	557.0	416	ug/L	2.3	416	ug/L	2.3	0.56%
QC value within limits for Sn 189.927 Recovery = 103.94%								
Sr 421.552†	249460.4	395	ug/L	1.2	395	ug/L	1.2	0.30%
QC value within limits for Sr 421.552 Recovery = 98.64%								
Ti 334.940†	235280.8	423	ug/L	1.5	423	ug/L	1.5	0.35%
QC value within limits for Ti 334.940 Recovery = 105.79%								
Tl 190.801†	444.3	420	ug/L	4.3	420	ug/L	4.3	1.01%
QC value within limits for Tl 190.801 Recovery = 104.94%								
V 292.402†	17105.2	412	ug/L	1.3	412	ug/L	1.3	0.33%
QC value within limits for V 292.402 Recovery = 103.05%								
Zn 206.200†	3426.1	414	ug/L	3.0	414	ug/L	3.0	0.72%
QC value within limits for Zn 206.200 Recovery = 103.52%								

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 4/27/2012 11:11:19 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:46 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	274262.6	102	%	1.2				1.16%
Sc 361.383	2363051.3	101	%	1.5				1.45%
Ag 328.068†	16.1	0.340	ug/L	0.1383	0.340	ug/L	0.1383	40.62%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	15.6	-33.8	ug/L	5.60	-33.8	ug/L	5.60	16.58%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.6	1.84	ug/L	1.215	1.84	ug/L	1.215	65.95%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	17.5	-0.074	ug/L	0.0846	-0.074	ug/L	0.0846	114.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	22.5	0.191	ug/L	0.0248	0.191	ug/L	0.0248	13.00%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	71.9	-89.5	ug/L	0.89	-89.5	ug/L	0.89	0.99%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.7	0.088	ug/L	0.4073	0.088	ug/L	0.4073	460.41%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	5.5	0.589	ug/L	0.1557	0.589	ug/L	0.1557	26.43%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.3	-0.071	ug/L	0.1506	-0.071	ug/L	0.1506	211.36%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	318.1	0.545	ug/L	0.0517	0.545	ug/L	0.0517	9.48%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	139.0	3.86	ug/L	1.438	3.86	ug/L	1.438	37.25%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	223.0	9.48	ug/L	13.795	9.48	ug/L	13.795	145.44%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	62.0	3.05	ug/L	0.733	3.05	ug/L	0.733	24.02%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-3.2	-0.527	ug/L	0.0170	-0.527	ug/L	0.0170	3.23%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.3	0.633	ug/L	0.2809	0.633	ug/L	0.2809	44.34%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	138.7	-4.02	ug/L	3.472	-4.02	ug/L	3.472	86.35%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.4	0.098	ug/L	0.6010	0.098	ug/L	0.6010	614.55%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.5	0.805	ug/L	0.4624	0.805	ug/L	0.4624	57.47%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-2.5	-0.259	ug/L	1.6073	-0.259	ug/L	1.6073	621.17%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.1	4.16	ug/L	2.274	4.16	ug/L	2.274	54.72%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-3.4	-4.30	ug/L	1.295	-4.30	ug/L	1.295	30.09%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	78.8	-0.585	ug/L	0.0091	-0.585	ug/L	0.0091	1.55%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	96.6	0.127	ug/L	0.0717	0.127	ug/L	0.0717	56.66%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	3.5	2.42	ug/L	2.283	2.42	ug/L	2.283	94.45%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.7	-0.008	ug/L	0.1182	-0.008	ug/L	0.1182	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.2	-2.66	ug/L	0.384	-2.66	ug/L	0.384	14.45%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 5**
Sample ID: AFCEE CRI **Date Collected: 4/27/2012 11:17:27 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:47 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: AFCEE CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	267651.7	99.4	%	1.09				1.10%
Sc 361.383	2332769.6	99.6	%	0.41				0.41%
Ag 328.068†	1276.5	10.2	ug/L	0.24	10.2	ug/L	0.24	2.40%
QC value within limits for Ag 328.068 Recovery = 101.84%								
Al 308.215†	420.2	190	ug/L	10.2	190	ug/L	10.2	5.35%
QC value within limits for Al 308.215 Recovery = 95.12%								
As 188.979†	24.5	30.9	ug/L	3.97	30.9	ug/L	3.97	12.83%
QC value within limits for As 188.979 Recovery = 103.08%								
Ba 233.527†	827.2	10.1	ug/L	0.12	10.1	ug/L	0.12	1.22%
QC value within limits for Ba 233.527 Recovery = 101.09%								
Be 234.861†	809.6	4.07	ug/L	0.048	4.07	ug/L	0.048	1.19%
QC value within limits for Be 234.861 Recovery = 81.49%								
Ca 315.887†	8115.2	941	ug/L	17.4	941	ug/L	17.4	1.84%
QC value within limits for Ca 315.887 Recovery = 94.09%								
Cd 226.502†	34.0	5.02	ug/L	0.169	5.02	ug/L	0.169	3.37%
QC value within limits for Cd 226.502 Recovery = 100.36%								
Co 228.616†	200.3	10.3	ug/L	0.16	10.3	ug/L	0.16	1.57%
QC value within limits for Co 228.616 Recovery = 102.80%								
Cr 267.716†	344.5	10.2	ug/L	0.25	10.2	ug/L	0.25	2.48%
QC value within limits for Cr 267.716 Recovery = 101.54%								
Cu 324.752†	3412.2	10.4	ug/L	0.27	10.4	ug/L	0.27	2.61%
QC value within limits for Cu 324.752 Recovery = 103.66%								
Fe 259.939†	795.9	56.9	ug/L	1.55	56.9	ug/L	1.55	2.73%
QC value within limits for Fe 259.939 Recovery = 113.78%								
K 766.490†	4448.3	909	ug/L	26.8	909	ug/L	26.8	2.94%
QC value within limits for K 766.490 Recovery = 90.92%								
Mg 279.077†	9464.6	1000	ug/L	19.0	1000	ug/L	19.0	1.90%
QC value within limits for Mg 279.077 Recovery = 100.08%								
Mn 257.610†	5307.5	10.4	ug/L	0.07	10.4	ug/L	0.07	0.64%
QC value within limits for Mn 257.610 Recovery = 103.81%								
Mo 202.031†	51.5	15.9	ug/L	0.64	15.9	ug/L	0.64	4.04%
QC value within limits for Mo 202.031 Recovery = 105.71%								
Na 589.592†	10021.6	986	ug/L	17.0	986	ug/L	17.0	1.72%
QC value within limits for Na 589.592 Recovery = 98.61%								
Ni 231.604†	194.8	20.6	ug/L	0.39	20.6	ug/L	0.39	1.89%
QC value within limits for Ni 231.604 Recovery = 102.83%								
Pb 220.353†	39.0	24.0	ug/L	2.06	24.0	ug/L	2.06	8.57%
QC value within limits for Pb 220.353 Recovery = 96.17%								
Sb 206.836†	74.5	49.6	ug/L	2.53	49.6	ug/L	2.53	5.10%
QC value within limits for Sb 206.836 Recovery = 99.12%								
Se 196.026†	17.0	30.9	ug/L	5.70	30.9	ug/L	5.70	18.48%
QC value within limits for Se 196.026 Recovery = 102.88%								
Sn 189.927†	18.5	12.0	ug/L	3.84	12.0	ug/L	3.84	31.85%
QC value greater than the upper limit for Sn 189.927 Recovery = 120.47%								
Sr 421.552†	3496.8	4.83	ug/L	0.115	4.83	ug/L	0.115	2.39%
QC value within limits for Sr 421.552 Recovery = 96.61%								
Ti 334.940†	2977.7	5.31	ug/L	0.150	5.31	ug/L	0.150	2.82%
QC value within limits for Ti 334.940 Recovery = 106.18%								
Tl 190.801†	67.1	62.9	ug/L	4.29	62.9	ug/L	4.29	6.82%
QC value within limits for Tl 190.801 Recovery = 104.86%								
V 292.402†	424.2	10.1	ug/L	0.11	10.1	ug/L	0.11	1.12%
QC value within limits for V 292.402 Recovery = 101.05%								
Zn 206.200†	173.8	18.4	ug/L	0.50	18.4	ug/L	0.50	2.71%
QC value within limits for Zn 206.200 Recovery = 91.87%								

QC Failed. Continue with analysis.

Sequence No.: 10 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 4/27/2012 11:23:42 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:48 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	257547.1	95.6	%	1.30				1.36%
Sc 361.383	2192148.6	93.6	%	0.25				0.27%
Ag 328.068†	-316.8	0.088	ug/L	0.0838	0.088	ug/L	0.0838	95.58%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	453982.4	251000	ug/L	972.6	251000	ug/L	972.6	0.39%
QC value within limits for Al 308.215 Recovery = 100.49%								
As 188.979†	-9.5	-2.37	ug/L	0.426	-2.37	ug/L	0.426	17.97%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	466.9	-0.183	ug/L	0.0604	-0.183	ug/L	0.0604	33.01%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-339.5	-0.101	ug/L	0.3908	-0.101	ug/L	0.3908	385.87%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	1834123.0	235000	ug/L	621.5	235000	ug/L	621.5	0.26%
QC value within limits for Ca 315.887 Recovery = 93.95%								
Cd 226.502†	204.7	-0.010	ug/L	0.2075	-0.010	ug/L	0.2075	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	116.7	-0.062	ug/L	0.5400	-0.062	ug/L	0.5400	867.41%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-47.2	-0.730	ug/L	0.5640	-0.730	ug/L	0.5640	77.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-287.9	-1.39	ug/L	0.224	-1.39	ug/L	0.224	16.12%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	2643296.3	213000	ug/L	351.6	213000	ug/L	351.6	0.16%
QC value within limits for Fe 259.939 Recovery = 94.84%								
K 766.490†	-103.9	-60.1	ug/L	20.73	-60.1	ug/L	20.73	34.47%
Mg 279.077†	2321762.2	246000	ug/L	3459.7	246000	ug/L	3459.7	1.40%
QC value within limits for Mg 279.077 Recovery = 98.55%								
Mn 257.610†	1506.0	0.226	ug/L	0.0928	0.226	ug/L	0.0928	41.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-22.1	2.34	ug/L	1.807	2.34	ug/L	1.807	77.18%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	231.5	5.28	ug/L	7.030	5.28	ug/L	7.030	133.18%
Ni 231.604†	34.8	1.34	ug/L	0.794	1.34	ug/L	0.794	59.35%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-9.5	1.15	ug/L	6.914	1.15	ug/L	6.914	599.02%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	15.5	4.57	ug/L	0.570	4.57	ug/L	0.570	12.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-16.7	-8.73	ug/L	7.795	-8.73	ug/L	7.795	89.26%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-15.6	2.63	ug/L	3.535	2.63	ug/L	3.535	134.39%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	661.3	0.338	ug/L	0.0681	0.338	ug/L	0.0681	20.18%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	17.5	-0.016	ug/L	0.0478	-0.016	ug/L	0.0478	305.50%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-2.8	-0.133	ug/L	1.9937	-0.133	ug/L	1.9937	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	20.2	-0.064	ug/L	0.3216	-0.064	ug/L	0.3216	499.97%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	115.2	4.17	ug/L	0.343	4.17	ug/L	0.343	8.24%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Sequence No.: 11 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 4/27/2012 11:29:00 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:49 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	245392.2	91.1	%	1.50				1.64%
Sc 361.383	2186886.2	93.4	%	0.31				0.33%
Ag 328.068†	25117.9	199	ug/L	1.4	199	ug/L	1.4	0.70%
QC value within limits for Ag 328.068 Recovery = 99.45%								
Al 308.215†	484729.1	268000	ug/L	5846.4	268000	ug/L	5846.4	2.18%
QC value within limits for Al 308.215 Recovery = 107.30%								
As 188.979†	77.1	102	ug/L	1.5	102	ug/L	1.5	1.51%
QC value within limits for As 188.979 Recovery = 101.59%								
Ba 233.527†	39020.1	484	ug/L	5.8	484	ug/L	5.8	1.20%
QC value within limits for Ba 233.527 Recovery = 96.87%								
Be 234.861†	105090.4	520	ug/L	5.7	520	ug/L	5.7	1.09%
QC value within limits for Be 234.861 Recovery = 104.02%								
Ca 315.887†	1964620.8	252000	ug/L	4415.9	252000	ug/L	4415.9	1.76%
QC value within limits for Ca 315.887 Recovery = 100.63%								
Cd 226.502†	6562.6	939	ug/L	1.3	939	ug/L	1.3	0.14%
QC value within limits for Cd 226.502 Recovery = 93.92%								
Co 228.616†	9538.5	468	ug/L	1.8	468	ug/L	1.8	0.38%
QC value within limits for Co 228.616 Recovery = 93.56%								
Cr 267.716†	16143.8	484	ug/L	7.3	484	ug/L	7.3	1.51%
QC value within limits for Cr 267.716 Recovery = 96.89%								
Cu 324.752†	157312.4	500	ug/L	4.4	500	ug/L	4.4	0.89%
QC value within limits for Cu 324.752 Recovery = 100.09%								
Fe 259.939†	2818085.5	227000	ug/L	3886.5	227000	ug/L	3886.5	1.71%
QC value within limits for Fe 259.939 Recovery = 101.11%								
K 766.490†	-169.5	-74.1	ug/L	21.30	-74.1	ug/L	21.30	28.75%
Mg 279.077†	2448418.8	260000	ug/L	4161.3	260000	ug/L	4161.3	1.60%
QC value within limits for Mg 279.077 Recovery = 103.92%								
Mn 257.610†	240802.2	492	ug/L	4.0	492	ug/L	4.0	0.82%
QC value within limits for Mn 257.610 Recovery = 98.32%								
Mo 202.031†	1650.2	494	ug/L	1.2	494	ug/L	1.2	0.25%
QC value within limits for Mo 202.031 Recovery = 98.82%								
Na 589.592†	211.6	3.29	ug/L	6.025	3.29	ug/L	6.025	183.32%
Ni 231.604†	8995.4	961	ug/L	4.4	961	ug/L	4.4	0.46%
QC value within limits for Ni 231.604 Recovery = 96.12%								
Pb 220.353†	61.2	45.8	ug/L	3.87	45.8	ug/L	3.87	8.43%
QC value within limits for Pb 220.353 Recovery = 91.65%								
Sb 206.836†	925.4	591	ug/L	2.6	591	ug/L	2.6	0.43%
QC value within limits for Sb 206.836 Recovery = 98.50%								
Se 196.026†	13.3	43.6	ug/L	4.83	43.6	ug/L	4.83	11.08%
QC value within limits for Se 196.026 Recovery = 87.21%								
Sn 189.927†	665.8	512	ug/L	9.6	512	ug/L	9.6	1.89%
QC value within limits for Sn 189.927 Recovery = 102.33%								
Sr 421.552†	321343.5	508	ug/L	9.3	508	ug/L	9.3	1.83%
QC value within limits for Sr 421.552 Recovery = 101.69%								
Ti 334.940†	281763.7	507	ug/L	4.8	507	ug/L	4.8	0.95%
QC value within limits for Ti 334.940 Recovery = 101.35%								
Tl 190.801†	102.8	97.2	ug/L	4.15	97.2	ug/L	4.15	4.27%
QC value within limits for Tl 190.801 Recovery = 97.20%								
V 292.402†	20422.2	492	ug/L	4.2	492	ug/L	4.2	0.86%
QC value within limits for V 292.402 Recovery = 98.35%								
Zn 206.200†	7917.6	955	ug/L	2.3	955	ug/L	2.3	0.24%
QC value within limits for Zn 206.200 Recovery = 95.48%								

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/27/2012 11:34:18 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:50 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	269192.5	100.0	%	0.20				0.20%
Sc 361.383	2326727.5	99.4	%	1.43				1.44%
Ag 328.068†	62857.4	492	ug/L	9.5	492	ug/L	9.5	1.94%
QC value within limits for Ag 328.068 Recovery = 98.32%								
Al 308.215†	43898.4	24300	ug/L	105.8	24300	ug/L	105.8	0.44%
QC value within limits for Al 308.215 Recovery = 97.04%								
As 188.979†	416.7	490	ug/L	9.9	490	ug/L	9.9	2.02%
QC value within limits for As 188.979 Recovery = 97.95%								
Ba 233.527†	39410.8	494	ug/L	6.1	494	ug/L	6.1	1.23%
QC value within limits for Ba 233.527 Recovery = 98.87%								
Be 234.861†	102028.7	504	ug/L	2.2	504	ug/L	2.2	0.44%
QC value within limits for Be 234.861 Recovery = 100.74%								
Ca 315.887†	185439.8	23700	ug/L	7.2	23700	ug/L	7.2	0.03%
QC value within limits for Ca 315.887 Recovery = 94.63%								
Cd 226.502†	3410.2	499	ug/L	7.3	499	ug/L	7.3	1.46%
QC value within limits for Cd 226.502 Recovery = 99.83%								
Co 228.616†	10008.3	497	ug/L	7.8	497	ug/L	7.8	1.58%
QC value within limits for Co 228.616 Recovery = 99.39%								
Cr 267.716†	16611.2	498	ug/L	7.3	498	ug/L	7.3	1.47%
QC value within limits for Cr 267.716 Recovery = 99.54%								
Cu 324.752†	151759.7	483	ug/L	1.1	483	ug/L	1.1	0.23%
QC value within limits for Cu 324.752 Recovery = 96.54%								
Fe 259.939†	492556.4	39800	ug/L	86.1	39800	ug/L	86.1	0.22%
QC value within limits for Fe 259.939 Recovery = 99.39%								
K 766.490†	107688.3	22900	ug/L	35.1	22900	ug/L	35.1	0.15%
QC value within limits for K 766.490 Recovery = 91.58%								
Mg 279.077†	235288.2	25000	ug/L	321.8	25000	ug/L	321.8	1.29%
QC value within limits for Mg 279.077 Recovery = 99.86%								
Mn 257.610†	243684.8	500	ug/L	2.6	500	ug/L	2.6	0.53%
QC value within limits for Mn 257.610 Recovery = 99.92%								
Mo 202.031†	1692.0	499	ug/L	7.6	499	ug/L	7.6	1.53%
QC value within limits for Mo 202.031 Recovery = 99.85%								
Na 589.592†	238821.5	23900	ug/L	45.7	23900	ug/L	45.7	0.19%
QC value within limits for Na 589.592 Recovery = 95.63%								
Ni 231.604†	4717.4	505	ug/L	7.0	505	ug/L	7.0	1.38%
QC value within limits for Ni 231.604 Recovery = 100.92%								
Pb 220.353†	817.8	506	ug/L	10.2	506	ug/L	10.2	2.02%
QC value within limits for Pb 220.353 Recovery = 101.14%								
Sb 206.836†	751.3	484	ug/L	4.1	484	ug/L	4.1	0.86%
QC value within limits for Sb 206.836 Recovery = 96.76%								
Se 196.026†	298.0	505	ug/L	4.4	505	ug/L	4.4	0.88%
QC value within limits for Se 196.026 Recovery = 101.04%								
Sn 189.927†	531.6	395	ug/L	6.2	395	ug/L	6.2	1.57%
QC value within limits for Sn 189.927 Recovery = 98.82%								
Sr 421.552†	245037.1	388	ug/L	1.1	388	ug/L	1.1	0.29%
QC value within limits for Sr 421.552 Recovery = 96.89%								
Ti 334.940†	220226.7	396	ug/L	1.6	396	ug/L	1.6	0.40%
QC value within limits for Ti 334.940 Recovery = 99.02%								
Tl 190.801†	546.1	516	ug/L	9.2	516	ug/L	9.2	1.79%
QC value within limits for Tl 190.801 Recovery = 103.16%								
V 292.402†	20632.0	497	ug/L	11.1	497	ug/L	11.1	2.23%
QC value within limits for V 292.402 Recovery = 99.44%								
Zn 206.200†	4221.0	511	ug/L	9.3	511	ug/L	9.3	1.82%
QC value within limits for Zn 206.200 Recovery = 102.23%								

All analyte(s) passed QC.

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Sequence No.: 13 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/27/2012 11:39:31 AM**
Analyst: **Data Type: Reprocessed on 4/27/2012 11:58:51 AM**
Logged In Analyst (Original) : inorg
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	268398.3	99.7	%	0.84				0.84%
Sc 361.383	2251590.4	96.2	%	4.19				4.36%
Ag 328.068†	10.0	0.293	ug/L	0.1789	0.293	ug/L	0.1789	61.07%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	41.1	-19.7	ug/L	3.15	-19.7	ug/L	3.15	16.00%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.2	1.12	ug/L	0.921	1.12	ug/L	0.921	82.36%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	16.5	-0.086	ug/L	0.0635	-0.086	ug/L	0.0635	73.52%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	8.0	0.120	ug/L	0.0645	0.120	ug/L	0.0645	53.89%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	184.3	-75.1	ug/L	1.56	-75.1	ug/L	1.56	2.08%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.2	0.169	ug/L	0.3088	0.169	ug/L	0.3088	182.47%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-3.5	0.139	ug/L	0.1185	0.139	ug/L	0.1185	85.14%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	13.3	0.230	ug/L	0.2045	0.230	ug/L	0.2045	88.92%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	441.4	0.940	ug/L	0.8456	0.940	ug/L	0.8456	89.96%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	316.1	18.2	ug/L	2.40	18.2	ug/L	2.40	13.20%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	26.8	-32.3	ug/L	18.99	-32.3	ug/L	18.99	58.77%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	160.1	13.5	ug/L	4.04	13.5	ug/L	4.04	29.98%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-10.8	-0.543	ug/L	0.0290	-0.543	ug/L	0.0290	5.35%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.4	1.42	ug/L	0.577	1.42	ug/L	0.577	40.58%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	56.4	-12.3	ug/L	2.10	-12.3	ug/L	2.10	17.15%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.4	-0.416	ug/L	0.4941	-0.416	ug/L	0.4941	118.79%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.5	-1.04	ug/L	2.635	-1.04	ug/L	2.635	253.70%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.5	1.63	ug/L	1.070	1.63	ug/L	1.070	65.73%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.5	-0.255	ug/L	6.1187	-0.255	ug/L	6.1187	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.9	-3.21	ug/L	1.445	-3.21	ug/L	1.445	44.98%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	75.4	-0.591	ug/L	0.0105	-0.591	ug/L	0.0105	1.77%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	39.3	0.024	ug/L	0.0276	0.024	ug/L	0.0276	116.80%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.7	0.756	ug/L	2.4185	0.756	ug/L	2.4185	320.00%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-0.8	-0.139	ug/L	0.1086	-0.139	ug/L	0.1086	78.01%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.4	-2.63	ug/L	0.395	-2.63	ug/L	0.395	14.99%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

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Analysis Begun

Start Time: 4/27/2012 3:50:52 PM **Plasma On Time: 4/27/2012 8:27:02 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\inorg\Sample Information\042712A.sif
Batch ID: 042712A
Results Data Set: 042712A-1
Results Library: d:\pe\inorg\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 6**
Sample ID: ICV **Date Collected: 4/27/2012 3:50:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

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Analysis Begun

Start Time: 4/27/2012 3:51:11 PM **Plasma On Time: 4/27/2012 8:27:02 AM**
Logged In Analyst: inorg **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N3112401Autosampler Model: AS-93plus

Sample Information File: D:\pe\inorg\Sample Information\042712A.sif
Batch ID: 042712A
Results Data Set: 042712A-1
Results Library: d:\pe\inorg\Results\Results.mdb

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Sequence No.: 8 **Autosampler Location: 38**
Sample ID: 127448MB **Date Collected: 4/27/2012 3:51:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 127448MB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc Radial	273190.8	101	%	0.3				0.30%
Sc 361.383	2318153.4	99.0	%	0.41				0.42%
Ag 328.068†	-14.3	0.103	ug/L	0.1898	0.103	ug/L	0.1898	184.38%
Al 308.215†	50.4	-14.5	ug/L	1.84	-14.5	ug/L	1.84	12.67%
As 188.979†	-1.0	1.37	ug/L	1.340	1.37	ug/L	1.340	97.88%
Ba 233.527†	4.7	-0.235	ug/L	0.0738	-0.235	ug/L	0.0738	31.41%
Be 234.861†	-10.6	0.028	ug/L	0.0082	0.028	ug/L	0.0082	29.35%
Ca 315.887†	422.0	-44.7	ug/L	0.88	-44.7	ug/L	0.88	1.97%
Cd 226.502†	-3.6	-0.543	ug/L	0.3122	-0.543	ug/L	0.3122	57.54%
Co 228.616†	-11.0	-0.236	ug/L	0.1354	-0.236	ug/L	0.1354	57.41%
Cr 267.716†	11.0	0.160	ug/L	0.1479	0.160	ug/L	0.1479	92.53%
Cu 324.752†	69.9	-0.245	ug/L	0.0928	-0.245	ug/L	0.0928	37.82%
Fe 259.939†	412.0	25.9	ug/L	0.12	25.9	ug/L	0.12	0.45%
K 766.490†	390.0	45.0	ug/L	4.21	45.0	ug/L	4.21	9.35%
Mg 279.077†	283.3	26.5	ug/L	0.53	26.5	ug/L	0.53	1.99%
Mn 257.610†	118.3	-0.278	ug/L	0.0138	-0.278	ug/L	0.0138	4.95%
Mo 202.031†	-2.5	0.006	ug/L	0.1112	0.006	ug/L	0.1112	>999.9%
Na 589.592†	347.5	16.9	ug/L	2.32	16.9	ug/L	2.32	13.74%
Ni 231.604†	-9.4	-1.27	ug/L	0.190	-1.27	ug/L	0.190	14.99%
Pb 220.353†	-2.8	-1.84	ug/L	2.409	-1.84	ug/L	2.409	130.93%
Sb 206.836†	2.3	2.81	ug/L	2.840	2.81	ug/L	2.840	101.00%
Se 196.026†	-3.5	-3.71	ug/L	1.006	-3.71	ug/L	1.006	27.09%
Sn 189.927†	-1.8	-3.14	ug/L	1.161	-3.14	ug/L	1.161	37.01%
Sr 421.552†	52.0	-0.628	ug/L	0.0030	-0.628	ug/L	0.0030	0.48%
Ti 334.940†	1.1	-0.045	ug/L	0.1345	-0.045	ug/L	0.1345	297.76%
Tl 190.801†	0.5	-0.394	ug/L	0.8086	-0.394	ug/L	0.8086	205.28%
V 292.402†	2.1	-0.071	ug/L	0.1363	-0.071	ug/L	0.1363	191.72%
Zn 206.200†	18.2	-0.596	ug/L	0.0870	-0.596	ug/L	0.0870	14.60%

Sequence No.: 9 **Autosampler Location: 39**
Sample ID: 127449LCS **Date Collected: 4/27/2012 3:57:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 127449LCS

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	258844.7	96.1	%	0.75				0.78%
Sc 361.383	2204089.7	94.2	%	1.79				1.90%
Ag 328.068†	25377.0	199	ug/L	3.4	199	ug/L	3.4	1.73%
Al 308.215†	93803.3	51900	ug/L	188.9	51900	ug/L	188.9	0.36%
As 188.979†	427.5	503	ug/L	9.3	503	ug/L	9.3	1.85%
Ba 233.527†	118371.3	1490	ug/L	24.2	1490	ug/L	24.2	1.63%
Be 234.861†	100275.8	495	ug/L	3.6	495	ug/L	3.6	0.72%
Ca 315.887†	383593.6	49000	ug/L	123.1	49000	ug/L	123.1	0.25%
Cd 226.502†	3262.0	475	ug/L	7.3	475	ug/L	7.3	1.53%
Co 228.616†	9843.0	488	ug/L	7.6	488	ug/L	7.6	1.56%
Cr 267.716†	16769.6	503	ug/L	10.3	503	ug/L	10.3	2.04%
Cu 324.752†	156256.3	497	ug/L	4.2	497	ug/L	4.2	0.84%
Fe 259.939†	648532.7	52300	ug/L	320.8	52300	ug/L	320.8	0.61%
K 766.490†	238056.3	50700	ug/L	255.7	50700	ug/L	255.7	0.50%
Mg 279.077†	469856.2	49900	ug/L	402.0	49900	ug/L	402.0	0.81%
Mn 257.610†	240806.2	494	ug/L	4.2	494	ug/L	4.2	0.85%
Mo 202.031†	1723.3	509	ug/L	8.8	509	ug/L	8.8	1.73%
Na 589.592†	527333.7	52800	ug/L	298.3	52800	ug/L	298.3	0.56%
Ni 231.604†	4638.0	496	ug/L	9.6	496	ug/L	9.6	1.94%
Pb 220.353†	806.3	500	ug/L	6.7	500	ug/L	6.7	1.33%
Sb 206.836†	766.3	493	ug/L	11.1	493	ug/L	11.1	2.26%
Se 196.026†	281.7	480	ug/L	9.6	480	ug/L	9.6	2.01%
Sn 189.927†	682.1	510	ug/L	8.6	510	ug/L	8.6	1.69%
Sr 421.552†	322644.3	511	ug/L	2.6	511	ug/L	2.6	0.51%
Ti 334.940†	298381.8	537	ug/L	4.6	537	ug/L	4.6	0.87%
Tl 190.801†	537.8	508	ug/L	13.9	508	ug/L	13.9	2.73%
V 292.402†	21663.3	522	ug/L	9.2	522	ug/L	9.2	1.76%
Zn 206.200†	4196.0	508	ug/L	10.1	508	ug/L	10.1	2.00%

Sequence No.: 10 **Autosampler Location: 40**
Sample ID: 127450LCSD **Date Collected: 4/27/2012 4:02:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 127450LCSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	264175.9	98.1	%	0.30				0.30%
Sc 361.383	2219578.6	94.8	%	0.56				0.59%
Ag 328.068†	26149.2	205	ug/L	4.3	205	ug/L	4.3	2.11%
Al 308.215†	93640.4	51800	ug/L	44.0	51800	ug/L	44.0	0.09%
As 188.979†	434.6	511	ug/L	6.7	511	ug/L	6.7	1.31%
Ba 233.527†	121619.2	1530	ug/L	11.0	1530	ug/L	11.0	0.72%
Be 234.861†	102983.3	508	ug/L	1.0	508	ug/L	1.0	0.19%
Ca 315.887†	384761.9	49200	ug/L	68.7	49200	ug/L	68.7	0.14%
Cd 226.502†	3352.6	489	ug/L	1.9	489	ug/L	1.9	0.38%
Co 228.616†	10056.5	499	ug/L	5.1	499	ug/L	5.1	1.02%
Cr 267.716†	17107.5	513	ug/L	5.6	513	ug/L	5.6	1.09%
Cu 324.752†	160222.4	510	ug/L	1.5	510	ug/L	1.5	0.29%
Fe 259.939†	649061.3	52400	ug/L	82.5	52400	ug/L	82.5	0.16%
K 766.490†	238507.2	50800	ug/L	109.6	50800	ug/L	109.6	0.22%
Mg 279.077†	475522.5	50500	ug/L	224.2	50500	ug/L	224.2	0.44%
Mn 257.610†	247306.2	507	ug/L	1.6	507	ug/L	1.6	0.31%
Mo 202.031†	1765.7	521	ug/L	2.0	521	ug/L	2.0	0.38%
Na 589.592†	525540.6	52600	ug/L	122.2	52600	ug/L	122.2	0.23%
Ni 231.604†	4754.4	508	ug/L	3.5	508	ug/L	3.5	0.68%
Pb 220.353†	820.0	509	ug/L	7.6	509	ug/L	7.6	1.50%
Sb 206.836†	788.9	508	ug/L	3.7	508	ug/L	3.7	0.73%
Se 196.026†	288.6	491	ug/L	18.0	491	ug/L	18.0	3.66%
Sn 189.927†	700.4	523	ug/L	2.9	523	ug/L	2.9	0.56%
Sr 421.552†	321088.1	508	ug/L	1.1	508	ug/L	1.1	0.21%
Ti 334.940†	306237.6	551	ug/L	2.0	551	ug/L	2.0	0.35%
Tl 190.801†	550.6	520	ug/L	2.8	520	ug/L	2.8	0.55%
V 292.402†	22403.7	540	ug/L	11.4	540	ug/L	11.4	2.10%
Zn 206.200†	4298.7	520	ug/L	3.6	520	ug/L	3.6	0.69%

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Sequence No.: 11 **Autosampler Location: 41**
Sample ID: 350583501 **Date Collected: 4/27/2012 4:07:47 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583501

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	266204.7	98.9	%	1.21				1.23%
Sc 361.383	2254535.3	96.3	%	0.47				0.49%
Ag 328.068†	-344.8	-0.513	ug/L	0.0615	-0.513	ug/L	0.0615	11.99%
Al 308.215†	84608.4	46800	ug/L	81.7	46800	ug/L	81.7	0.17%
As 188.979†	62.9	82.3	ug/L	3.69	82.3	ug/L	3.69	4.48%
Ba 233.527†	31647.6	393	ug/L	2.2	393	ug/L	2.2	0.56%
Be 234.861†	561.6	4.10	ug/L	0.556	4.10	ug/L	0.556	13.55%
Ca 315.887†	913483.8	117000	ug/L	1841.1	117000	ug/L	1841.1	1.57%
Cd 226.502†	156.4	-2.23	ug/L	0.105	-2.23	ug/L	0.105	4.71%
Co 228.616†	1286.4	57.7	ug/L	0.51	57.7	ug/L	0.51	0.88%
Cr 267.716†	8863.2	266	ug/L	1.1	266	ug/L	1.1	0.41%
Cu 324.752†	38571.5	115	ug/L	1.2	115	ug/L	1.2	1.06%
Fe 259.939†	2213756.4	179000	ug/L	2789.1	179000	ug/L	2789.1	1.56%
K 766.490†	18018.2	3800	ug/L	17.9	3800	ug/L	17.9	0.47%
Mg 279.077†	275495.6	29300	ug/L	365.3	29300	ug/L	365.3	1.25%
Mn 257.610†	2420572.8	4970	ug/L	3.1	4970	ug/L	3.1	0.06%
Mo 202.031†	5.1	9.02	ug/L	1.851	9.02	ug/L	1.851	20.53%
Na 589.592†	8150.2	799	ug/L	1.9	799	ug/L	1.9	0.23%
Ni 231.604†	716.0	74.7	ug/L	0.40	74.7	ug/L	0.40	0.53%
Pb 220.353†	257.1	153	ug/L	1.9	153	ug/L	1.9	1.23%
Sb 206.836†	17.0	5.83	ug/L	1.161	5.83	ug/L	1.161	19.92%
Se 196.026†	-17.3	-18.8	ug/L	6.80	-18.8	ug/L	6.80	36.24%
Sn 189.927†	-6.8	2.12	ug/L	2.451	2.12	ug/L	2.451	115.78%
Sr 421.552†	127678.8	202	ug/L	0.4	202	ug/L	0.4	0.21%
Ti 334.940†	448035.0	806	ug/L	3.8	806	ug/L	3.8	0.48%
Tl 190.801†	0.5	2.70	ug/L	4.394	2.70	ug/L	4.394	162.97%
V 292.402†	9662.3	233	ug/L	0.8	233	ug/L	0.8	0.33%
Zn 206.200†	9904.9	1200	ug/L	6.0	1200	ug/L	6.0	0.50%

Sequence No.: 12
Sample ID: 350583501L
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 42
Date Collected: 4/27/2012 4:13:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 350583501L

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	265072.9	98.4	%	0.62				0.63%
Sc 361.383	2247660.7	96.0	%	0.68				0.71%
Ag 328.068†	-57.1	0.178	ug/L	0.6972	0.889	ug/L	3.4859	391.95%
Al 308.215†	16932.9	9330	ug/L	34.9	46700	ug/L	174.4	0.37%
As 188.979†	12.2	18.1	ug/L	1.73	90.6	ug/L	8.67	9.57%
Ba 233.527†	6491.7	80.4	ug/L	0.38	402	ug/L	1.9	0.47%
Be 234.861†	118.1	0.923	ug/L	0.2431	4.61	ug/L	1.215	26.33%
Ca 315.887†	183254.7	23400	ug/L	85.7	117000	ug/L	428.6	0.37%
Cd 226.502†	32.1	-0.545	ug/L	0.2170	-2.72	ug/L	1.085	39.86%
Co 228.616†	263.5	12.1	ug/L	0.37	60.3	ug/L	1.86	3.09%
Cr 267.716†	1864.5	55.8	ug/L	0.44	279	ug/L	2.2	0.79%
Cu 324.752†	7746.5	22.5	ug/L	0.34	113	ug/L	1.7	1.51%
Fe 259.939†	461010.3	37200	ug/L	48.9	186000	ug/L	244.4	0.13%
K 766.490†	3553.5	719	ug/L	16.4	3590	ug/L	82.0	2.28%
Mg 279.077†	56589.6	6010	ug/L	53.2	30000	ug/L	265.9	0.89%
Mn 257.610†	515442.2	1060	ug/L	6.5	5290	ug/L	32.5	0.61%
Mo 202.031†	-3.6	1.10	ug/L	0.515	5.49	ug/L	2.577	46.98%
Na 589.592†	1892.4	172	ug/L	2.1	858	ug/L	10.7	1.24%
Ni 231.604†	138.7	14.2	ug/L	0.17	71.2	ug/L	0.83	1.17%
Pb 220.353†	51.4	30.5	ug/L	1.80	152	ug/L	9.0	5.90%
Sb 206.836†	7.3	4.71	ug/L	1.340	23.6	ug/L	6.70	28.45%
Se 196.026†	-3.8	-2.48	ug/L	5.834	-12.4	ug/L	29.17	235.55%
Sn 189.927†	-5.6	-4.21	ug/L	1.511	-21.0	ug/L	7.55	35.90%
Sr 421.552†	25789.7	40.2	ug/L	0.23	201	ug/L	1.1	0.57%
Ti 334.940†	90942.8	164	ug/L	1.1	818	ug/L	5.6	0.68%
Tl 190.801†	-2.1	-2.24	ug/L	3.569	-11.2	ug/L	17.84	159.19%
V 292.402†	1997.9	48.0	ug/L	0.65	240	ug/L	3.3	1.36%
Zn 206.200†	2153.6	258	ug/L	1.2	1290	ug/L	6.0	0.46%

Sequence No.: 13 **Autosampler Location: 43**
Sample ID: 350583507 **Date Collected: 4/27/2012 4:18:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583507

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	265374.5	98.5	%	0.12				0.12%
Sc 361.383	2206008.9	94.2	%	0.70				0.74%
Ag 328.068†	25316.0	201	ug/L	0.1	201	ug/L	0.1	0.06%
Al 308.215†	208532.5	115000	ug/L	342.0	115000	ug/L	342.0	0.30%
As 188.979†	541.3	644	ug/L	7.0	644	ug/L	7.0	1.08%
Ba 233.527†	153519.1	1920	ug/L	19.8	1920	ug/L	19.8	1.03%
Be 234.861†	101569.2	503	ug/L	1.9	503	ug/L	1.9	0.38%
Ca 315.887†	1414931.8	181000	ug/L	298.1	181000	ug/L	298.1	0.16%
Cd 226.502†	3392.5	462	ug/L	2.0	462	ug/L	2.0	0.43%
Co 228.616†	11105.0	542	ug/L	3.0	542	ug/L	3.0	0.56%
Cr 267.716†	28468.9	854	ug/L	9.8	854	ug/L	9.8	1.14%
Cu 324.752†	188192.6	589	ug/L	7.3	589	ug/L	7.3	1.24%
Fe 259.939†	3515161.0	284000	ug/L	2884.6	284000	ug/L	2884.6	1.02%
K 766.490†	259028.9	55100	ug/L	33.1	55100	ug/L	33.1	0.06%
Mg 279.077†	842298.6	89400	ug/L	583.8	89400	ug/L	583.8	0.65%
Mn 257.610†	3293238.6	6760	ug/L	28.0	6760	ug/L	28.0	0.41%
Mo 202.031†	1681.2	505	ug/L	2.6	505	ug/L	2.6	0.51%
Na 589.592†	529238.9	53000	ug/L	46.8	53000	ug/L	46.8	0.09%
Ni 231.604†	5408.5	576	ug/L	3.4	576	ug/L	3.4	0.60%
Pb 220.353†	1109.7	681	ug/L	6.5	681	ug/L	6.5	0.96%
Sb 206.836†	668.9	422	ug/L	6.4	422	ug/L	6.4	1.51%
Se 196.026†	270.5	470	ug/L	8.1	470	ug/L	8.1	1.72%
Sn 189.927†	685.9	523	ug/L	4.9	523	ug/L	4.9	0.93%
Sr 421.552†	452085.8	716	ug/L	0.2	716	ug/L	0.2	0.02%
Ti 334.940†	992457.5	1790	ug/L	2.4	1790	ug/L	2.4	0.13%
Tl 190.801†	505.7	482	ug/L	4.5	482	ug/L	4.5	0.93%
V 292.402†	33908.9	817	ug/L	2.8	817	ug/L	2.8	0.34%
Zn 206.200†	13088.7	1580	ug/L	10.8	1580	ug/L	10.8	0.68%

Sequence No.: 14 **Autosampler Location: 44**
Sample ID: 350583508 **Date Collected: 4/27/2012 4:23:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583508

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	256719.4	95.3	%	0.92				0.96%
Sc 361.383	2158301.9	92.2	%	0.38				0.41%
Ag 328.068†	26117.8	207	ug/L	1.3	207	ug/L	1.3	0.60%
Al 308.215†	207272.0	115000	ug/L	242.4	115000	ug/L	242.4	0.21%
As 188.979†	514.5	613	ug/L	4.9	613	ug/L	4.9	0.79%
Ba 233.527†	160906.6	2020	ug/L	15.0	2020	ug/L	15.0	0.74%
Be 234.861†	105243.9	521	ug/L	1.8	521	ug/L	1.8	0.35%
Ca 315.887†	1347535.7	173000	ug/L	643.1	173000	ug/L	643.1	0.37%
Cd 226.502†	3471.9	475	ug/L	1.1	475	ug/L	1.1	0.22%
Co 228.616†	12001.8	587	ug/L	1.7	587	ug/L	1.7	0.28%
Cr 267.716†	31442.7	943	ug/L	9.4	943	ug/L	9.4	1.00%
Cu 324.752†	199029.3	624	ug/L	8.0	624	ug/L	8.0	1.29%
Fe 259.939†	3405189.2	275000	ug/L	1014.0	275000	ug/L	1014.0	0.37%
K 766.490†	264161.1	56200	ug/L	135.5	56200	ug/L	135.5	0.24%
Mg 279.077†	813184.2	86300	ug/L	786.4	86300	ug/L	786.4	0.91%
Mn 257.610†	2995719.7	6150	ug/L	18.3	6150	ug/L	18.3	0.30%
Mo 202.031†	1732.8	520	ug/L	2.1	520	ug/L	2.1	0.40%
Na 589.592†	545376.1	54600	ug/L	109.2	54600	ug/L	109.2	0.20%
Ni 231.604†	5853.9	624	ug/L	0.9	624	ug/L	0.9	0.14%
Pb 220.353†	1124.0	690	ug/L	2.5	690	ug/L	2.5	0.37%
Sb 206.836†	692.1	436	ug/L	2.9	436	ug/L	2.9	0.66%
Se 196.026†	283.3	491	ug/L	18.1	491	ug/L	18.1	3.68%
Sn 189.927†	700.7	533	ug/L	7.7	533	ug/L	7.7	1.45%
Sr 421.552†	469157.0	743	ug/L	0.6	743	ug/L	0.6	0.09%
Ti 334.940†	900146.1	1620	ug/L	8.1	1620	ug/L	8.1	0.50%
Tl 190.801†	528.0	503	ug/L	6.3	503	ug/L	6.3	1.24%
V 292.402†	34234.8	825	ug/L	3.9	825	ug/L	3.9	0.47%
Zn 206.200†	14321.9	1730	ug/L	16.5	1730	ug/L	16.5	0.95%

Sequence No.: 15 **Autosampler Location: 45**
Sample ID: 350583501A **Date Collected: 4/27/2012 4:28:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583501A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	260091.0	96.6	%	0.73				0.75%
Sc 361.383	2171016.6	92.7	%	0.90				0.97%
Ag 328.068†	26759.0	212	ug/L	4.7	212	ug/L	4.7	2.20%
Al 308.215†	179683.1	99400	ug/L	151.7	99400	ug/L	151.7	0.15%
As 188.979†	506.4	601	ug/L	2.0	601	ug/L	2.0	0.33%
Ba 233.527†	152497.5	1910	ug/L	26.8	1910	ug/L	26.8	1.40%
Be 234.861†	108282.8	536	ug/L	1.4	536	ug/L	1.4	0.27%
Ca 315.887†	1283523.5	164000	ug/L	307.3	164000	ug/L	307.3	0.19%
Cd 226.502†	3532.9	491	ug/L	3.4	491	ug/L	3.4	0.69%
Co 228.616†	11365.7	557	ug/L	5.2	557	ug/L	5.2	0.93%
Cr 267.716†	26094.1	783	ug/L	11.7	783	ug/L	11.7	1.50%
Cu 324.752†	205110.4	645	ug/L	5.9	645	ug/L	5.9	0.91%
Fe 259.939†	2764033.1	223000	ug/L	884.7	223000	ug/L	884.7	0.40%
K 766.490†	261869.0	55700	ug/L	122.6	55700	ug/L	122.6	0.22%
Mg 279.077†	734277.0	77900	ug/L	79.6	77900	ug/L	79.6	0.10%
Mn 257.610†	2628529.8	5400	ug/L	31.7	5400	ug/L	31.7	0.59%
Mo 202.031†	1775.3	531	ug/L	6.2	531	ug/L	6.2	1.16%
Na 589.592†	536959.3	53800	ug/L	26.6	53800	ug/L	26.6	0.05%
Ni 231.604†	5492.0	586	ug/L	5.0	586	ug/L	5.0	0.85%
Pb 220.353†	1061.7	653	ug/L	5.4	653	ug/L	5.4	0.82%
Sb 206.836†	800.7	509	ug/L	1.8	509	ug/L	1.8	0.35%
Se 196.026†	282.6	489	ug/L	7.9	489	ug/L	7.9	1.62%
Sn 189.927†	720.7	547	ug/L	4.4	547	ug/L	4.4	0.81%
Sr 421.552†	454260.6	719	ug/L	0.7	719	ug/L	0.7	0.10%
Ti 334.940†	749981.4	1350	ug/L	5.0	1350	ug/L	5.0	0.37%
Tl 190.801†	548.7	521	ug/L	0.3	521	ug/L	0.3	0.06%
V 292.402†	32371.4	780	ug/L	17.1	780	ug/L	17.1	2.20%
Zn 206.200†	14096.7	1710	ug/L	37.1	1710	ug/L	37.1	2.17%

Sequence No.: 16 **Autosampler Location: 46**
Sample ID: 350583502 **Date Collected: 4/27/2012 4:34:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583502

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	270479.3	100	%	0.8				0.76%
Sc 361.383	2270257.2	97.0	%	0.42				0.44%
Ag 328.068†	-135.1	1.26	ug/L	0.486	1.26	ug/L	0.486	38.66%
Al 308.215†	90199.7	49900	ug/L	97.0	49900	ug/L	97.0	0.19%
As 188.979†	93.8	119	ug/L	8.7	119	ug/L	8.7	7.30%
Ba 233.527†	58588.5	731	ug/L	2.9	731	ug/L	2.9	0.40%
Be 234.861†	927.8	5.99	ug/L	0.762	5.99	ug/L	0.762	12.71%
Ca 315.887†	1239941.7	159000	ug/L	1543.5	159000	ug/L	1543.5	0.97%
Cd 226.502†	183.1	0.025	ug/L	0.3729	0.025	ug/L	0.3729	>999.9%
Co 228.616†	1516.4	68.4	ug/L	0.46	68.4	ug/L	0.46	0.67%
Cr 267.716†	10588.7	318	ug/L	2.5	318	ug/L	2.5	0.78%
Cu 324.752†	54155.7	152	ug/L	1.3	152	ug/L	1.3	0.85%
Fe 259.939†	2362250.7	191000	ug/L	2032.3	191000	ug/L	2032.3	1.07%
K 766.490†	22396.8	4730	ug/L	25.3	4730	ug/L	25.3	0.53%
Mg 279.077†	406513.5	43200	ug/L	657.8	43200	ug/L	657.8	1.52%
Mn 257.610†	5978296.7	12300	ug/L	33.2	12300	ug/L	33.2	0.27%
Mo 202.031†	23.8	15.0	ug/L	2.29	15.0	ug/L	2.29	15.28%
Na 589.592†	8936.4	877	ug/L	4.2	877	ug/L	4.2	0.48%
Ni 231.604†	1147.3	121	ug/L	1.9	121	ug/L	1.9	1.60%
Pb 220.353†	451.1	273	ug/L	3.7	273	ug/L	3.7	1.34%
Sb 206.836†	19.5	6.98	ug/L	2.150	6.98	ug/L	2.150	30.81%
Se 196.026†	-12.0	-6.59	ug/L	1.749	-6.59	ug/L	1.749	26.54%
Sn 189.927†	-7.1	6.84	ug/L	4.940	6.84	ug/L	4.940	72.20%
Sr 421.552†	167834.0	265	ug/L	0.9	265	ug/L	0.9	0.35%
Ti 334.940†	562778.8	1010	ug/L	3.4	1010	ug/L	3.4	0.34%
Tl 190.801†	-0.7	2.09	ug/L	5.536	2.09	ug/L	5.536	264.78%
V 292.402†	9547.7	230	ug/L	1.9	230	ug/L	1.9	0.81%
Zn 206.200†	12512.8	1510	ug/L	12.0	1510	ug/L	12.0	0.79%

Sequence No.: 17 **Autosampler Location: 47**
Sample ID: 350583503 **Date Collected: 4/27/2012 4:39:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583503

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	266910.0	99.1	%	1.15				1.16%
Sc 361.383	2239310.5	95.7	%	0.61				0.63%
Ag 328.068†	-243.4	0.007	ug/L	0.1657	0.007	ug/L	0.1657	>999.9%
Al 308.215†	69562.4	38500	ug/L	114.1	38500	ug/L	114.1	0.30%
As 188.979†	56.2	73.8	ug/L	0.28	73.8	ug/L	0.28	0.37%
Ba 233.527†	34248.1	426	ug/L	1.7	426	ug/L	1.7	0.40%
Be 234.861†	571.6	3.98	ug/L	0.148	3.98	ug/L	0.148	3.72%
Ca 315.887†	958810.1	123000	ug/L	1995.8	123000	ug/L	1995.8	1.63%
Cd 226.502†	140.0	-1.14	ug/L	0.892	-1.14	ug/L	0.892	78.56%
Co 228.616†	1041.8	46.0	ug/L	0.75	46.0	ug/L	0.75	1.64%
Cr 267.716†	8393.4	252	ug/L	1.8	252	ug/L	1.8	0.73%
Cu 324.752†	23960.4	67.5	ug/L	0.31	67.5	ug/L	0.31	0.47%
Fe 259.939†	1906834.7	154000	ug/L	2119.3	154000	ug/L	2119.3	1.38%
K 766.490†	14617.9	3070	ug/L	6.5	3070	ug/L	6.5	0.21%
Mg 279.077†	341863.1	36300	ug/L	584.9	36300	ug/L	584.9	1.61%
Mn 257.610†	2541458.7	5220	ug/L	9.1	5220	ug/L	9.1	0.17%
Mo 202.031†	2.1	7.20	ug/L	1.034	7.20	ug/L	1.034	14.37%
Na 589.592†	8790.9	863	ug/L	1.8	863	ug/L	1.8	0.20%
Ni 231.604†	653.7	68.3	ug/L	0.51	68.3	ug/L	0.51	0.74%
Pb 220.353†	272.9	164	ug/L	6.4	164	ug/L	6.4	3.93%
Sb 206.836†	11.1	3.12	ug/L	3.873	3.12	ug/L	3.873	123.96%
Se 196.026†	-4.4	3.67	ug/L	1.256	3.67	ug/L	1.256	34.18%
Sn 189.927†	-0.4	9.03	ug/L	4.814	9.03	ug/L	4.814	53.28%
Sr 421.552†	139768.7	221	ug/L	0.1	221	ug/L	0.1	0.02%
Ti 334.940†	510017.3	917	ug/L	0.9	917	ug/L	0.9	0.09%
Tl 190.801†	2.5	4.55	ug/L	2.733	4.55	ug/L	2.733	60.04%
V 292.402†	8945.0	215	ug/L	2.5	215	ug/L	2.5	1.15%
Zn 206.200†	10707.5	1300	ug/L	12.5	1300	ug/L	12.5	0.97%

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Sequence No.: 18 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/27/2012 4:44:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271352.7	101	%	1.0				1.01%
Sc 361.383	2307241.0	98.6	%	0.45				0.45%
Ag 328.068†	65106.1	509	ug/L	2.3	509	ug/L	2.3	0.46%
QC value within limits for Ag 328.068 Recovery = 101.83%								
Al 308.215†	43862.7	24200	ug/L	56.1	24200	ug/L	56.1	0.23%
QC value within limits for Al 308.215 Recovery = 96.97%								
As 188.979†	420.2	494	ug/L	2.1	494	ug/L	2.1	0.42%
QC value within limits for As 188.979 Recovery = 98.78%								
Ba 233.527†	40091.0	503	ug/L	3.0	503	ug/L	3.0	0.60%
QC value within limits for Ba 233.527 Recovery = 100.58%								
Be 234.861†	99640.3	492	ug/L	1.9	492	ug/L	1.9	0.39%
QC value within limits for Be 234.861 Recovery = 98.38%								
Ca 315.887†	182290.0	23300	ug/L	73.0	23300	ug/L	73.0	0.31%
QC value within limits for Ca 315.887 Recovery = 93.02%								
Cd 226.502†	3327.7	487	ug/L	3.9	487	ug/L	3.9	0.80%
QC value within limits for Cd 226.502 Recovery = 97.38%								
Co 228.616†	10075.5	500	ug/L	1.4	500	ug/L	1.4	0.29%
QC value within limits for Co 228.616 Recovery = 100.06%								
Cr 267.716†	16695.3	500	ug/L	0.2	500	ug/L	0.2	0.05%
QC value within limits for Cr 267.716 Recovery = 100.05%								
Cu 324.752†	152257.7	484	ug/L	0.8	484	ug/L	0.8	0.16%
QC value within limits for Cu 324.752 Recovery = 96.86%								
Fe 259.939†	496770.1	40100	ug/L	169.5	40100	ug/L	169.5	0.42%
QC value within limits for Fe 259.939 Recovery = 100.24%								
K 766.490†	110662.8	23500	ug/L	30.5	23500	ug/L	30.5	0.13%
QC value within limits for K 766.490 Recovery = 94.11%								
Mg 279.077†	233198.5	24700	ug/L	322.6	24700	ug/L	322.6	1.30%
QC value within limits for Mg 279.077 Recovery = 98.98%								
Mn 257.610†	239928.0	492	ug/L	0.9	492	ug/L	0.9	0.18%
QC value within limits for Mn 257.610 Recovery = 98.37%								
Mo 202.031†	1686.8	498	ug/L	3.8	498	ug/L	3.8	0.76%
QC value within limits for Mo 202.031 Recovery = 99.55%								
Na 589.592†	244533.4	24500	ug/L	82.7	24500	ug/L	82.7	0.34%
QC value within limits for Na 589.592 Recovery = 97.92%								
Ni 231.604†	4709.3	504	ug/L	2.6	504	ug/L	2.6	0.51%
QC value within limits for Ni 231.604 Recovery = 100.74%								
Pb 220.353†	810.0	501	ug/L	3.2	501	ug/L	3.2	0.64%
QC value within limits for Pb 220.353 Recovery = 100.17%								
Sb 206.836†	769.9	496	ug/L	1.5	496	ug/L	1.5	0.29%
QC value within limits for Sb 206.836 Recovery = 99.16%								
Se 196.026†	288.1	488	ug/L	1.8	488	ug/L	1.8	0.36%
QC value within limits for Se 196.026 Recovery = 97.70%								
Sn 189.927†	534.7	398	ug/L	6.4	398	ug/L	6.4	1.60%
QC value within limits for Sn 189.927 Recovery = 99.38%								
Sr 421.552†	249895.4	395	ug/L	1.1	395	ug/L	1.1	0.28%
QC value within limits for Sr 421.552 Recovery = 98.81%								
Ti 334.940†	222196.6	400	ug/L	0.2	400	ug/L	0.2	0.04%
QC value within limits for Ti 334.940 Recovery = 99.90%								
Tl 190.801†	551.9	521	ug/L	4.8	521	ug/L	4.8	0.92%
QC value within limits for Tl 190.801 Recovery = 104.25%								
V 292.402†	21537.7	519	ug/L	2.8	519	ug/L	2.8	0.53%
QC value within limits for V 292.402 Recovery = 103.81%								
Zn 206.200†	4282.7	519	ug/L	0.6	519	ug/L	0.6	0.11%
QC value within limits for Zn 206.200 Recovery = 103.73%								

All analyte(s) passed QC.

Sequence No.: 19 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/27/2012 4:50:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	274210.3	102	%	0.4				0.38%
Sc 361.383	2350121.8	100	%	1.0				0.98%
Ag 328.068†	17.7	0.353	ug/L	0.1874	0.353	ug/L	0.1874	53.08%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	28.8	-26.5	ug/L	2.09	-26.5	ug/L	2.09	7.87%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	0.8	3.39	ug/L	0.644	3.39	ug/L	0.644	19.00%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	16.1	-0.092	ug/L	0.0200	-0.092	ug/L	0.0200	21.69%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	28.1	0.219	ug/L	0.0137	0.219	ug/L	0.0137	6.25%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	124.5	-82.8	ug/L	1.20	-82.8	ug/L	1.20	1.45%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.3	0.039	ug/L	0.2780	0.039	ug/L	0.2780	704.61%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	1.4	0.383	ug/L	0.1681	0.383	ug/L	0.1681	43.86%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	7.6	0.057	ug/L	0.2127	0.057	ug/L	0.2127	370.70%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	254.6	0.343	ug/L	0.1857	0.343	ug/L	0.1857	54.13%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	343.5	20.4	ug/L	2.04	20.4	ug/L	2.04	10.03%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	146.2	-6.89	ug/L	1.743	-6.89	ug/L	1.743	25.31%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	76.5	4.59	ug/L	1.548	4.59	ug/L	1.548	33.74%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	239.2	-0.029	ug/L	0.0468	-0.029	ug/L	0.0468	159.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.6	0.893	ug/L	0.3650	0.893	ug/L	0.3650	40.88%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	118.5	-6.04	ug/L	8.988	-6.04	ug/L	8.988	148.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.3	-0.296	ug/L	0.4516	-0.296	ug/L	0.4516	152.53%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.4	-0.949	ug/L	0.4485	-0.949	ug/L	0.4485	47.27%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.8	1.85	ug/L	1.274	1.85	ug/L	1.274	69.06%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.7	5.08	ug/L	11.395	5.08	ug/L	11.395	224.20%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1.1	-0.973	ug/L	1.9612	-0.973	ug/L	1.9612	201.58%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	90.7	-0.566	ug/L	0.0080	-0.566	ug/L	0.0080	1.41%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	76.8	0.091	ug/L	0.0152	0.091	ug/L	0.0152	16.66%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.7	0.700	ug/L	1.5730	0.700	ug/L	1.5730	224.80%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	-0.7	-0.137	ug/L	0.1266	-0.137	ug/L	0.1266	92.16%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	4.3	-2.28	ug/L	0.519	-2.28	ug/L	0.519	22.75%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Retry.

Sequence No.: 20 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/27/2012 4:53:42 PM**
Analyst: **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	272579.4	101	%	0.6				0.59%
Sc 361.383	2315277.6	98.9	%	1.04				1.05%
Ag 328.068†	8.2	0.278	ug/L	0.0776	0.278	ug/L	0.0776	27.91%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	20.7	-31.0	ug/L	2.18	-31.0	ug/L	2.18	7.02%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	1.2	3.97	ug/L	1.278	3.97	ug/L	1.278	32.22%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	8.4	-0.188	ug/L	0.0567	-0.188	ug/L	0.0567	30.17%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	15.4	0.156	ug/L	0.0089	0.156	ug/L	0.0089	5.69%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	59.3	-91.1	ug/L	0.76	-91.1	ug/L	0.76	0.83%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.4	0.051	ug/L	0.4225	0.051	ug/L	0.4225	829.95%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-8.5	-0.108	ug/L	0.1605	-0.108	ug/L	0.1605	148.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.6	0.118	ug/L	0.1866	0.118	ug/L	0.1866	158.33%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	215.4	0.219	ug/L	0.2458	0.219	ug/L	0.2458	112.18%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	201.2	8.88	ug/L	1.008	8.88	ug/L	1.008	11.35%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	170.4	-1.72	ug/L	20.527	-1.72	ug/L	20.527	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	38.6	0.571	ug/L	0.4422	0.571	ug/L	0.4422	77.40%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	123.3	-0.267	ug/L	0.0297	-0.267	ug/L	0.0297	11.11%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.2	0.382	ug/L	0.2985	0.382	ug/L	0.2985	78.04%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	55.1	-12.4	ug/L	1.83	-12.4	ug/L	1.83	14.81%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-4.1	-0.701	ug/L	0.0963	-0.701	ug/L	0.0963	13.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.7	0.320	ug/L	1.3919	0.320	ug/L	1.3919	434.56%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.6	3.03	ug/L	1.680	3.03	ug/L	1.680	55.49%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.2	2.55	ug/L	5.401	2.55	ug/L	5.401	211.61%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.4	-1.49	ug/L	0.149	-1.49	ug/L	0.149	10.00%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	59.2	-0.616	ug/L	0.0042	-0.616	ug/L	0.0042	0.67%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	74.3	0.086	ug/L	0.0998	0.086	ug/L	0.0998	115.40%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.1	-0.739	ug/L	1.1775	-0.739	ug/L	1.1775	159.37%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	0.3	-0.113	ug/L	0.1515	-0.113	ug/L	0.1515	133.80%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	5.6	-2.12	ug/L	0.276	-2.12	ug/L	0.276	13.03%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 21 **Autosampler Location: 48**
Sample ID: 350583504 **Date Collected: 4/27/2012 4:59:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583504

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271860.8	101	%	0.2				0.17%
Sc 361.383	2269090.2	96.9	%	0.81				0.84%
Ag 328.068†	-545.8	-1.35	ug/L	0.827	-1.35	ug/L	0.827	61.32%
Al 308.215†	124579.5	68900	ug/L	337.7	68900	ug/L	337.7	0.49%
As 188.979†	66.7	88.3	ug/L	3.37	88.3	ug/L	3.37	3.81%
Ba 233.527†	47771.4	594	ug/L	6.9	594	ug/L	6.9	1.16%
Be 234.861†	601.3	4.76	ug/L	0.204	4.76	ug/L	0.204	4.29%
Ca 315.887†	839502.4	107000	ug/L	923.6	107000	ug/L	923.6	0.86%
Cd 226.502†	216.8	-2.77	ug/L	0.126	-2.77	ug/L	0.126	4.55%
Co 228.616†	2310.6	107	ug/L	0.7	107	ug/L	0.7	0.66%
Cr 267.716†	6619.7	199	ug/L	1.2	199	ug/L	1.2	0.62%
Cu 324.752†	64056.3	195	ug/L	2.0	195	ug/L	2.0	1.03%
Fe 259.939†	3040522.1	245000	ug/L	2551.5	245000	ug/L	2551.5	1.04%
K 766.490†	30413.9	6440	ug/L	40.7	6440	ug/L	40.7	0.63%
Mg 279.077†	421855.7	44800	ug/L	309.6	44800	ug/L	309.6	0.69%
Mn 257.610†	2830785.3	5810	ug/L	21.6	5810	ug/L	21.6	0.37%
Mo 202.031†	-2.2	9.41	ug/L	0.225	9.41	ug/L	0.225	2.39%
Na 589.592†	4548.8	438	ug/L	6.8	438	ug/L	6.8	1.56%
Ni 231.604†	1296.1	136	ug/L	1.3	136	ug/L	1.3	0.96%
Pb 220.353†	361.6	216	ug/L	6.2	216	ug/L	6.2	2.89%
Sb 206.836†	21.7	7.24	ug/L	1.345	7.24	ug/L	1.345	18.58%
Se 196.026†	-16.5	-18.6	ug/L	11.55	-18.6	ug/L	11.55	62.25%
Sn 189.927†	2.7	5.32	ug/L	2.447	5.32	ug/L	2.447	46.04%
Sr 421.552†	89962.5	142	ug/L	0.6	142	ug/L	0.6	0.45%
Ti 334.940†	430581.1	774	ug/L	1.7	774	ug/L	1.7	0.23%
Tl 190.801†	1.7	4.36	ug/L	3.000	4.36	ug/L	3.000	68.78%
V 292.402†	12554.5	302	ug/L	3.3	302	ug/L	3.3	1.09%
Zn 206.200†	9978.3	1200	ug/L	3.2	1200	ug/L	3.2	0.27%

Sequence No.: 22 **Autosampler Location: 49**
Sample ID: 350583505 **Date Collected: 4/27/2012 5:05:05 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583505

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	274272.9	102	%	0.4				0.40%
Sc 361.383	2305049.3	98.5	%	0.21				0.22%
Ag 328.068†	130.6	2.86	ug/L	0.038	2.86	ug/L	0.038	1.34%
Al 308.215†	75592.6	41800	ug/L	149.6	41800	ug/L	149.6	0.36%
As 188.979†	56.1	73.1	ug/L	3.70	73.1	ug/L	3.70	5.07%
Ba 233.527†	94608.1	1190	ug/L	15.8	1190	ug/L	15.8	1.33%
Be 234.861†	441.2	3.29	ug/L	0.215	3.29	ug/L	0.215	6.55%
Ca 315.887†	847490.4	108000	ug/L	98.9	108000	ug/L	98.9	0.09%
Cd 226.502†	266.5	18.5	ug/L	0.65	18.5	ug/L	0.65	3.51%
Co 228.616†	998.6	44.7	ug/L	0.25	44.7	ug/L	0.25	0.56%
Cr 267.716†	6518.5	196	ug/L	0.7	196	ug/L	0.7	0.36%
Cu 324.752†	183145.1	580	ug/L	8.8	580	ug/L	8.8	1.52%
Fe 259.939†	1826872.7	147000	ug/L	101.9	147000	ug/L	101.9	0.07%
K 766.490†	16570.3	3490	ug/L	20.7	3490	ug/L	20.7	0.59%
Mg 279.077†	222491.4	23600	ug/L	305.3	23600	ug/L	305.3	1.29%
Mn 257.610†	1216241.7	2500	ug/L	5.4	2500	ug/L	5.4	0.22%
Mo 202.031†	56.3	22.9	ug/L	0.87	22.9	ug/L	0.87	3.82%
Na 589.592†	6965.4	680	ug/L	3.5	680	ug/L	3.5	0.52%
Ni 231.604†	1187.7	126	ug/L	0.7	126	ug/L	0.7	0.57%
Pb 220.353†	2317.3	1430	ug/L	10.0	1430	ug/L	10.0	0.70%
Sb 206.836†	23.3	11.1	ug/L	0.73	11.1	ug/L	0.73	6.54%
Se 196.026†	-8.2	-3.97	ug/L	8.536	-3.97	ug/L	8.536	215.15%
Sn 189.927†	53.1	45.8	ug/L	1.60	45.8	ug/L	1.60	3.49%
Sr 421.552†	143754.4	227	ug/L	0.2	227	ug/L	0.2	0.08%
Ti 334.940†	324473.5	584	ug/L	7.0	584	ug/L	7.0	1.20%
Tl 190.801†	0.8	2.63	ug/L	3.960	2.63	ug/L	3.960	150.83%
V 292.402†	4244.9	102	ug/L	0.9	102	ug/L	0.9	0.92%
Zn 206.200†	35793.1	4350	ug/L	77.8	4350	ug/L	77.8	1.79%

Sequence No.: 23 **Autosampler Location: 50**
Sample ID: 350583506 **Date Collected: 4/27/2012 5:10:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350583506

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	276093.9	103	%	0.6				0.56%
Sc 361.383	2311679.1	98.7	%	1.15				1.17%
Ag 328.068†	-57.3	1.21	ug/L	0.086	1.21	ug/L	0.086	7.12%
Al 308.215†	43446.4	24000	ug/L	192.5	24000	ug/L	192.5	0.80%
As 188.979†	73.9	93.1	ug/L	2.57	93.1	ug/L	2.57	2.76%
Ba 233.527†	52025.1	651	ug/L	8.1	651	ug/L	8.1	1.24%
Be 234.861†	258.2	2.27	ug/L	0.304	2.27	ug/L	0.304	13.35%
Ca 315.887†	686537.8	87900	ug/L	592.1	87900	ug/L	592.1	0.67%
Cd 226.502†	255.8	19.2	ug/L	1.33	19.2	ug/L	1.33	6.92%
Co 228.616†	833.4	37.1	ug/L	0.45	37.1	ug/L	0.45	1.20%
Cr 267.716†	5827.5	175	ug/L	2.2	175	ug/L	2.2	1.26%
Cu 324.752†	175623.0	555	ug/L	1.2	555	ug/L	1.2	0.22%
Fe 259.939†	1629043.4	132000	ug/L	639.2	132000	ug/L	639.2	0.49%
K 766.490†	11497.0	2410	ug/L	62.2	2410	ug/L	62.2	2.58%
Mg 279.077†	187032.2	19900	ug/L	289.1	19900	ug/L	289.1	1.46%
Mn 257.610†	1516626.9	3110	ug/L	13.4	3110	ug/L	13.4	0.43%
Mo 202.031†	51.3	20.8	ug/L	0.38	20.8	ug/L	0.38	1.83%
Na 589.592†	5635.1	547	ug/L	0.1	547	ug/L	0.1	0.02%
Ni 231.604†	790.3	83.1	ug/L	1.53	83.1	ug/L	1.53	1.84%
Pb 220.353†	1946.7	1200	ug/L	11.5	1200	ug/L	11.5	0.96%
Sb 206.836†	21.9	10.7	ug/L	1.59	10.7	ug/L	1.59	14.80%
Se 196.026†	-3.4	2.60	ug/L	5.551	2.60	ug/L	5.551	213.43%
Sn 189.927†	34.3	29.9	ug/L	2.56	29.9	ug/L	2.56	8.55%
Sr 421.552†	101670.9	160	ug/L	1.1	160	ug/L	1.1	0.70%
Ti 334.940†	269541.1	485	ug/L	2.4	485	ug/L	2.4	0.49%
Tl 190.801†	3.0	4.32	ug/L	7.020	4.32	ug/L	7.020	162.51%
V 292.402†	3960.6	95.2	ug/L	1.01	95.2	ug/L	1.01	1.06%
Zn 206.200†	31212.1	3790	ug/L	58.2	3790	ug/L	58.2	1.54%

Sequence No.: 24 **Autosampler Location: 51**
Sample ID: 350580101 **Date Collected: 4/27/2012 5:15:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350580101

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	275243.5	102	%	0.7				0.73%
Sc 361.383	2326783.9	99.4	%	1.10				1.11%
Ag 328.068†	-227.8	-0.362	ug/L	0.2351	-0.362	ug/L	0.2351	64.92%
Al 308.215†	76633.4	42400	ug/L	147.1	42400	ug/L	147.1	0.35%
As 188.979†	35.5	47.5	ug/L	1.78	47.5	ug/L	1.78	3.75%
Ba 233.527†	8871.8	108	ug/L	1.4	108	ug/L	1.4	1.28%
Be 234.861†	-291.1	-0.591	ug/L	0.2573	-0.591	ug/L	0.2573	43.56%
Ca 315.887†	80723.5	10200	ug/L	31.6	10200	ug/L	31.6	0.31%
Cd 226.502†	96.1	-1.30	ug/L	0.730	-1.30	ug/L	0.730	56.12%
Co 228.616†	1031.9	45.5	ug/L	0.80	45.5	ug/L	0.80	1.76%
Cr 267.716†	3056.8	91.9	ug/L	0.96	91.9	ug/L	0.96	1.04%
Cu 324.752†	26200.2	79.5	ug/L	2.08	79.5	ug/L	2.08	2.62%
Fe 259.939†	1354138.2	109000	ug/L	681.8	109000	ug/L	681.8	0.62%
K 766.490†	11121.9	2330	ug/L	11.5	2330	ug/L	11.5	0.49%
Mg 279.077†	188502.3	20000	ug/L	109.4	20000	ug/L	109.4	0.55%
Mn 257.610†	1082130.5	2220	ug/L	7.7	2220	ug/L	7.7	0.35%
Mo 202.031†	-3.7	3.79	ug/L	0.562	3.79	ug/L	0.562	14.81%
Na 589.592†	1733.0	156	ug/L	3.0	156	ug/L	3.0	1.90%
Ni 231.604†	1483.9	158	ug/L	1.9	158	ug/L	1.9	1.22%
Pb 220.353†	117.2	70.7	ug/L	4.00	70.7	ug/L	4.00	5.66%
Sb 206.836†	3.4	2.15	ug/L	3.050	2.15	ug/L	3.050	141.62%
Se 196.026†	-6.5	-8.69	ug/L	2.055	-8.69	ug/L	2.055	23.64%
Sn 189.927†	-9.1	-3.77	ug/L	1.983	-3.77	ug/L	1.983	52.66%
Sr 421.552†	27998.7	43.7	ug/L	0.22	43.7	ug/L	0.22	0.51%
Ti 334.940†	914862.4	1650	ug/L	4.5	1650	ug/L	4.5	0.27%
Tl 190.801†	-0.1	2.98	ug/L	0.665	2.98	ug/L	0.665	22.29%
V 292.402†	3476.7	83.5	ug/L	1.05	83.5	ug/L	1.05	1.25%
Zn 206.200†	2508.1	299	ug/L	3.6	299	ug/L	3.6	1.19%

Sequence No.: 25 **Autosampler Location: 52**
Sample ID: 350580102 **Date Collected: 4/27/2012 5:21:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350580102

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	276214.8	103	%	0.8				0.80%
Sc 361.383	2323349.2	99.2	%	0.28				0.29%
Ag 328.068†	543.1	5.71	ug/L	0.487	5.71	ug/L	0.487	8.53%
Al 308.215†	79843.4	44200	ug/L	185.0	44200	ug/L	185.0	0.42%
As 188.979†	31.9	43.5	ug/L	3.31	43.5	ug/L	3.31	7.60%
Ba 233.527†	9891.0	121	ug/L	0.5	121	ug/L	0.5	0.40%
Be 234.861†	-335.6	-0.778	ug/L	0.1738	-0.778	ug/L	0.1738	22.33%
Ca 315.887†	85122.9	10800	ug/L	35.5	10800	ug/L	35.5	0.33%
Cd 226.502†	120.0	1.59	ug/L	1.004	1.59	ug/L	1.004	63.22%
Co 228.616†	1132.4	50.0	ug/L	0.23	50.0	ug/L	0.23	0.46%
Cr 267.716†	3949.6	119	ug/L	0.7	119	ug/L	0.7	0.58%
Cu 324.752†	34541.8	106	ug/L	1.5	106	ug/L	1.5	1.37%
Fe 259.939†	1411001.8	114000	ug/L	568.6	114000	ug/L	568.6	0.50%
K 766.490†	13317.9	2800	ug/L	15.2	2800	ug/L	15.2	0.54%
Mg 279.077†	211685.2	22500	ug/L	242.5	22500	ug/L	242.5	1.08%
Mn 257.610†	1117552.5	2290	ug/L	3.6	2290	ug/L	3.6	0.16%
Mo 202.031†	-0.8	4.84	ug/L	0.992	4.84	ug/L	0.992	20.51%
Na 589.592†	2267.8	209	ug/L	4.8	209	ug/L	4.8	2.27%
Ni 231.604†	1591.0	169	ug/L	0.2	169	ug/L	0.2	0.15%
Pb 220.353†	267.8	164	ug/L	1.9	164	ug/L	1.9	1.13%
Sb 206.836†	5.4	3.43	ug/L	3.544	3.43	ug/L	3.544	103.35%
Se 196.026†	-10.7	-15.8	ug/L	3.02	-15.8	ug/L	3.02	19.11%
Sn 189.927†	-5.0	0.095	ug/L	2.1467	0.095	ug/L	2.1467	>999.9%
Sr 421.552†	30404.2	47.5	ug/L	0.19	47.5	ug/L	0.19	0.39%
Ti 334.940†	1021451.7	1840	ug/L	1.6	1840	ug/L	1.6	0.08%
Tl 190.801†	-5.2	-1.53	ug/L	1.010	-1.53	ug/L	1.010	65.95%
V 292.402†	4110.1	98.8	ug/L	0.32	98.8	ug/L	0.32	0.32%
Zn 206.200†	4140.1	498	ug/L	0.8	498	ug/L	0.8	0.16%

Sequence No.: 26 **Autosampler Location: 53**
Sample ID: 350580103 **Date Collected: 4/27/2012 5:26:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350580103

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271546.9	101	%	0.9				0.88%
Sc 361.383	2292542.0	97.9	%	0.35				0.36%
Ag 328.068†	-338.7	-0.993	ug/L	0.1578	-0.993	ug/L	0.1578	15.90%
Al 308.215†	88377.0	48900	ug/L	181.9	48900	ug/L	181.9	0.37%
As 188.979†	46.9	61.3	ug/L	7.62	61.3	ug/L	7.62	12.44%
Ba 233.527†	13582.5	167	ug/L	2.5	167	ug/L	2.5	1.52%
Be 234.861†	-373.3	-0.846	ug/L	0.3087	-0.846	ug/L	0.3087	36.48%
Ca 315.887†	255086.1	32600	ug/L	118.3	32600	ug/L	118.3	0.36%
Cd 226.502†	111.9	-2.01	ug/L	0.802	-2.01	ug/L	0.802	39.92%
Co 228.616†	1190.6	52.4	ug/L	0.39	52.4	ug/L	0.39	0.75%
Cr 267.716†	3274.6	98.5	ug/L	0.49	98.5	ug/L	0.49	0.50%
Cu 324.752†	32654.0	99.1	ug/L	0.66	99.1	ug/L	0.66	0.67%
Fe 259.939†	1619623.8	131000	ug/L	1332.1	131000	ug/L	1332.1	1.02%
K 766.490†	16740.5	3530	ug/L	7.3	3530	ug/L	7.3	0.21%
Mg 279.077†	255317.7	27100	ug/L	34.7	27100	ug/L	34.7	0.13%
Mn 257.610†	1392682.8	2860	ug/L	18.9	2860	ug/L	18.9	0.66%
Mo 202.031†	-4.1	4.50	ug/L	0.772	4.50	ug/L	0.772	17.13%
Na 589.592†	1839.9	166	ug/L	0.7	166	ug/L	0.7	0.43%
Ni 231.604†	1448.2	154	ug/L	0.6	154	ug/L	0.6	0.38%
Pb 220.353†	160.4	96.9	ug/L	1.84	96.9	ug/L	1.84	1.90%
Sb 206.836†	8.7	5.19	ug/L	1.014	5.19	ug/L	1.014	19.55%
Se 196.026†	-10.2	-13.2	ug/L	2.85	-13.2	ug/L	2.85	21.59%
Sn 189.927†	-14.4	-5.40	ug/L	4.189	-5.40	ug/L	4.189	77.51%
Sr 421.552†	63295.5	99.6	ug/L	0.27	99.6	ug/L	0.27	0.27%
Ti 334.940†	1009250.3	1820	ug/L	10.8	1820	ug/L	10.8	0.60%
Tl 190.801†	-5.4	-1.54	ug/L	5.084	-1.54	ug/L	5.084	329.96%
V 292.402†	5021.4	121	ug/L	1.7	121	ug/L	1.7	1.41%
Zn 206.200†	2722.0	324	ug/L	3.9	324	ug/L	3.9	1.20%

Sequence No.: 27 **Autosampler Location: 54**
Sample ID: 350581401 **Date Collected: 4/27/2012 5:31:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350581401

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	269012.7	99.9	%	1.15				1.16%
Sc 361.383	2290372.0	97.8	%	0.78				0.79%
Ag 328.068†	428.0	5.01	ug/L	0.434	5.01	ug/L	0.434	8.67%
Al 308.215†	171256.9	94800	ug/L	1029.1	94800	ug/L	1029.1	1.09%
As 188.979†	122.6	151	ug/L	6.4	151	ug/L	6.4	4.24%
Ba 233.527†	69021.6	864	ug/L	6.0	864	ug/L	6.0	0.69%
Be 234.861†	-40.6	0.804	ug/L	0.4526	0.804	ug/L	0.4526	56.30%
Ca 315.887†	53157.1	6710	ug/L	53.4	6710	ug/L	53.4	0.80%
Cd 226.502†	196.2	10.3	ug/L	0.82	10.3	ug/L	0.82	7.98%
Co 228.616†	537.0	21.5	ug/L	0.39	21.5	ug/L	0.39	1.81%
Cr 267.716†	11334.4	340	ug/L	3.6	340	ug/L	3.6	1.07%
Cu 324.752†	413035.8	1320	ug/L	2.8	1320	ug/L	2.8	0.22%
Fe 259.939†	1635911.7	132000	ug/L	1270.5	132000	ug/L	1270.5	0.96%
K 766.490†	24647.0	5210	ug/L	34.0	5210	ug/L	34.0	0.65%
Mg 279.077†	55091.3	5840	ug/L	89.0	5840	ug/L	89.0	1.52%
Mn 257.610†	209567.2	428	ug/L	0.7	428	ug/L	0.7	0.17%
Mo 202.031†	41.7	18.0	ug/L	0.87	18.0	ug/L	0.87	4.81%
Na 589.592†	2380.8	221	ug/L	5.7	221	ug/L	5.7	2.56%
Ni 231.604†	440.5	45.6	ug/L	0.13	45.6	ug/L	0.13	0.29%
Pb 220.353†	807.7	498	ug/L	4.2	498	ug/L	4.2	0.84%
Sb 206.836†	15.8	6.17	ug/L	3.465	6.17	ug/L	3.465	56.19%
Se 196.026†	-7.6	-11.0	ug/L	6.29	-11.0	ug/L	6.29	57.31%
Sn 189.927†	42.7	29.9	ug/L	1.32	29.9	ug/L	1.32	4.41%
Sr 421.552†	53222.5	83.6	ug/L	0.64	83.6	ug/L	0.64	0.76%
Ti 334.940†	524217.7	943	ug/L	1.1	943	ug/L	1.1	0.12%
Tl 190.801†	-14.0	-11.5	ug/L	1.96	-11.5	ug/L	1.96	17.07%
V 292.402†	10141.6	244	ug/L	0.7	244	ug/L	0.7	0.31%
Zn 206.200†	7929.9	959	ug/L	4.9	959	ug/L	4.9	0.51%

Sequence No.: 28 **Autosampler Location: 55**
Sample ID: 350581701 **Date Collected: 4/27/2012 5:36:54 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350581701

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	278666.0	103	%	0.6				0.58%
Sc 361.383	2328206.0	99.5	%	0.55				0.55%
Ag 328.068†	851.3	7.74	ug/L	0.127	7.74	ug/L	0.127	1.64%
Al 308.215†	111822.7	61900	ug/L	104.7	61900	ug/L	104.7	0.17%
As 188.979†	13.8	21.3	ug/L	2.26	21.3	ug/L	2.26	10.60%
Ba 233.527†	46213.2	579	ug/L	2.4	579	ug/L	2.4	0.42%
Be 234.861†	246.7	1.85	ug/L	0.051	1.85	ug/L	0.051	2.74%
Ca 315.887†	109324.2	13900	ug/L	64.7	13900	ug/L	64.7	0.47%
Cd 226.502†	137.2	8.99	ug/L	0.380	8.99	ug/L	0.380	4.23%
Co 228.616†	432.0	17.5	ug/L	0.24	17.5	ug/L	0.24	1.40%
Cr 267.716†	2558.4	76.8	ug/L	0.28	76.8	ug/L	0.28	0.37%
Cu 324.752†	97685.4	309	ug/L	1.7	309	ug/L	1.7	0.56%
Fe 259.939†	987287.1	79700	ug/L	756.6	79700	ug/L	756.6	0.95%
K 766.490†	9225.7	1930	ug/L	5.1	1930	ug/L	5.1	0.26%
Mg 279.077†	49007.7	5200	ug/L	16.4	5200	ug/L	16.4	0.31%
Mn 257.610†	622869.2	1280	ug/L	2.1	1280	ug/L	2.1	0.16%
Mo 202.031†	11.3	7.07	ug/L	0.577	7.07	ug/L	0.577	8.17%
Na 589.592†	3152.8	298	ug/L	3.8	298	ug/L	3.8	1.28%
Ni 231.604†	554.5	58.3	ug/L	1.19	58.3	ug/L	1.19	2.04%
Pb 220.353†	2029.7	1260	ug/L	6.2	1260	ug/L	6.2	0.50%
Sb 206.836†	33.8	22.0	ug/L	2.54	22.0	ug/L	2.54	11.54%
Se 196.026†	-6.3	-7.83	ug/L	2.413	-7.83	ug/L	2.413	30.83%
Sn 189.927†	48.0	37.4	ug/L	1.46	37.4	ug/L	1.46	3.91%
Sr 421.552†	47658.7	74.8	ug/L	0.17	74.8	ug/L	0.17	0.23%
Ti 334.940†	605494.5	1090	ug/L	4.1	1090	ug/L	4.1	0.37%
Tl 190.801†	1.2	2.88	ug/L	3.917	2.88	ug/L	3.917	135.87%
V 292.402†	5230.1	126	ug/L	1.4	126	ug/L	1.4	1.11%
Zn 206.200†	22780.0	2770	ug/L	5.7	2770	ug/L	5.7	0.21%

Sequence No.: 29 **Autosampler Location: 56**
Sample ID: 350581702 **Date Collected: 4/27/2012 5:42:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350581702

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271677.6	101	%	0.7				0.69%
Sc 361.383	2323102.9	99.2	%	0.34				0.34%
Ag 328.068†	-17.4	0.099	ug/L	0.3115	0.099	ug/L	0.3115	313.37%
Al 308.215†	8340.0	4570	ug/L	51.7	4570	ug/L	51.7	1.13%
As 188.979†	-1.9	0.428	ug/L	2.4005	0.428	ug/L	2.4005	560.39%
Ba 233.527†	2171.0	27.0	ug/L	0.25	27.0	ug/L	0.25	0.91%
Be 234.861†	8.4	0.135	ug/L	0.0299	0.135	ug/L	0.0299	22.11%
Ca 315.887†	1293.5	67.0	ug/L	1.54	67.0	ug/L	1.54	2.31%
Cd 226.502†	-0.2	-0.314	ug/L	0.2942	-0.314	ug/L	0.2942	93.64%
Co 228.616†	11.1	0.581	ug/L	0.3272	0.581	ug/L	0.3272	56.32%
Cr 267.716†	200.6	5.85	ug/L	0.153	5.85	ug/L	0.153	2.61%
Cu 324.752†	786.7	2.03	ug/L	0.236	2.03	ug/L	0.236	11.62%
Fe 259.939†	24080.0	1940	ug/L	17.8	1940	ug/L	17.8	0.92%
K 766.490†	2312.1	454	ug/L	10.1	454	ug/L	10.1	2.23%
Mg 279.077†	3336.8	351	ug/L	5.5	351	ug/L	5.5	1.56%
Mn 257.610†	4200.6	8.09	ug/L	0.162	8.09	ug/L	0.162	2.00%
Mo 202.031†	-2.0	0.208	ug/L	0.5316	0.208	ug/L	0.5316	255.03%
Na 589.592†	840.7	66.3	ug/L	1.55	66.3	ug/L	1.55	2.34%
Ni 231.604†	24.1	2.30	ug/L	0.593	2.30	ug/L	0.593	25.81%
Pb 220.353†	19.0	12.0	ug/L	3.70	12.0	ug/L	3.70	30.79%
Sb 206.836†	2.8	3.27	ug/L	0.753	3.27	ug/L	0.753	23.03%
Se 196.026†	-0.3	1.66	ug/L	5.147	1.66	ug/L	5.147	310.91%
Sn 189.927†	-1.5	-2.35	ug/L	1.957	-2.35	ug/L	1.957	83.32%
Sr 421.552†	4130.5	5.83	ug/L	0.074	5.83	ug/L	0.074	1.27%
Ti 334.940†	69561.5	125	ug/L	2.2	125	ug/L	2.2	1.73%
Tl 190.801†	-0.7	-1.36	ug/L	0.890	-1.36	ug/L	0.890	65.20%
V 292.402†	212.1	4.99	ug/L	0.040	4.99	ug/L	0.040	0.81%
Zn 206.200†	87.6	7.81	ug/L	0.365	7.81	ug/L	0.365	4.67%

Sequence No.: 30 **Autosampler Location: 57**
Sample ID: 350581703 **Date Collected: 4/27/2012 5:48:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 350581703

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	277785.7	103	%	0.9				0.87%
Sc 361.383	2354314.8	101	%	0.4				0.40%
Ag 328.068†	-66.5	-0.204	ug/L	0.4482	-0.204	ug/L	0.4482	219.81%
Al 308.215†	48588.5	26900	ug/L	110.4	26900	ug/L	110.4	0.41%
As 188.979†	1.0	4.18	ug/L	1.178	4.18	ug/L	1.178	28.19%
Ba 233.527†	16973.7	213	ug/L	1.3	213	ug/L	1.3	0.61%
Be 234.861†	699.8	3.60	ug/L	0.052	3.60	ug/L	0.052	1.44%
Ca 315.887†	99025.2	12600	ug/L	59.6	12600	ug/L	59.6	0.47%
Cd 226.502†	11.6	0.410	ug/L	0.2219	0.410	ug/L	0.2219	54.08%
Co 228.616†	177.8	8.13	ug/L	0.083	8.13	ug/L	0.083	1.02%
Cr 267.716†	1440.5	43.0	ug/L	0.21	43.0	ug/L	0.21	0.48%
Cu 324.752†	7946.1	24.7	ug/L	0.26	24.7	ug/L	0.26	1.07%
Fe 259.939†	114061.9	9200	ug/L	39.3	9200	ug/L	39.3	0.43%
K 766.490†	5483.6	1130	ug/L	3.1	1130	ug/L	3.1	0.28%
Mg 279.077†	44360.0	4700	ug/L	78.6	4700	ug/L	78.6	1.67%
Mn 257.610†	41091.0	83.8	ug/L	0.17	83.8	ug/L	0.17	0.20%
Mo 202.031†	4.3	2.35	ug/L	0.993	2.35	ug/L	0.993	42.25%
Na 589.592†	5018.8	485	ug/L	2.4	485	ug/L	2.4	0.49%
Ni 231.604†	355.4	37.7	ug/L	0.11	37.7	ug/L	0.11	0.30%
Pb 220.353†	94.0	59.9	ug/L	0.59	59.9	ug/L	0.59	0.98%
Sb 206.836†	-0.7	0.930	ug/L	3.3605	0.930	ug/L	3.3605	361.30%
Se 196.026†	5.4	12.2	ug/L	9.50	12.2	ug/L	9.50	77.53%
Sn 189.927†	-5.0	-2.46	ug/L	0.362	-2.46	ug/L	0.362	14.76%
Sr 421.552†	75796.5	119	ug/L	0.1	119	ug/L	0.1	0.11%
Ti 334.940†	231562.3	416	ug/L	1.2	416	ug/L	1.2	0.28%
Tl 190.801†	-6.3	-6.16	ug/L	0.825	-6.16	ug/L	0.825	13.39%
V 292.402†	1600.4	38.5	ug/L	0.36	38.5	ug/L	0.36	0.95%
Zn 206.200†	924.3	110	ug/L	0.5	110	ug/L	0.5	0.44%

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Sequence No.: 31 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/27/2012 5:53:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	269480.6	100	%	0.5				0.53%
Sc 361.383	2264810.0	96.7	%	0.58				0.60%
Ag 328.068†	65291.8	511	ug/L	5.5	511	ug/L	5.5	1.08%
QC value within limits for Ag 328.068 Recovery = 102.12%								
Al 308.215†	44891.2	24800	ug/L	28.8	24800	ug/L	28.8	0.12%
QC value within limits for Al 308.215 Recovery = 99.24%								
As 188.979†	428.3	503	ug/L	3.2	503	ug/L	3.2	0.63%
QC value within limits for As 188.979 Recovery = 100.67%								
Ba 233.527†	40510.9	508	ug/L	7.0	508	ug/L	7.0	1.37%
QC value within limits for Ba 233.527 Recovery = 101.63%								
Be 234.861†	101552.2	501	ug/L	5.1	501	ug/L	5.1	1.03%
QC value within limits for Be 234.861 Recovery = 100.27%								
Ca 315.887†	184600.5	23600	ug/L	105.0	23600	ug/L	105.0	0.45%
QC value within limits for Ca 315.887 Recovery = 94.20%								
Cd 226.502†	3389.3	496	ug/L	3.1	496	ug/L	3.1	0.63%
QC value within limits for Cd 226.502 Recovery = 99.19%								
Co 228.616†	10151.8	504	ug/L	2.9	504	ug/L	2.9	0.57%
QC value within limits for Co 228.616 Recovery = 100.81%								
Cr 267.716†	16853.4	505	ug/L	3.8	505	ug/L	3.8	0.75%
QC value within limits for Cr 267.716 Recovery = 100.99%								
Cu 324.752†	155099.9	493	ug/L	2.7	493	ug/L	2.7	0.54%
QC value within limits for Cu 324.752 Recovery = 98.67%								
Fe 259.939†	503033.8	40600	ug/L	223.8	40600	ug/L	223.8	0.55%
QC value within limits for Fe 259.939 Recovery = 101.51%								
K 766.490†	113047.4	24000	ug/L	40.6	24000	ug/L	40.6	0.17%
QC value within limits for K 766.490 Recovery = 96.14%								
Mg 279.077†	234893.1	24900	ug/L	169.1	24900	ug/L	169.1	0.68%
QC value within limits for Mg 279.077 Recovery = 99.70%								
Mn 257.610†	243219.6	499	ug/L	4.8	499	ug/L	4.8	0.96%
QC value within limits for Mn 257.610 Recovery = 99.73%								
Mo 202.031†	1718.3	507	ug/L	3.1	507	ug/L	3.1	0.62%
QC value within limits for Mo 202.031 Recovery = 101.40%								
Na 589.592†	251021.1	25100	ug/L	76.6	25100	ug/L	76.6	0.30%
QC value within limits for Na 589.592 Recovery = 100.52%								
Ni 231.604†	4787.0	512	ug/L	3.3	512	ug/L	3.3	0.64%
QC value within limits for Ni 231.604 Recovery = 102.40%								
Pb 220.353†	831.4	514	ug/L	2.6	514	ug/L	2.6	0.50%
QC value within limits for Pb 220.353 Recovery = 102.82%								
Sb 206.836†	780.4	503	ug/L	9.2	503	ug/L	9.2	1.82%
QC value within limits for Sb 206.836 Recovery = 100.52%								
Se 196.026†	295.3	501	ug/L	15.7	501	ug/L	15.7	3.13%
QC value within limits for Se 196.026 Recovery = 100.14%								
Sn 189.927†	538.4	400	ug/L	5.9	400	ug/L	5.9	1.47%
QC value within limits for Sn 189.927 Recovery = 100.08%								
Sr 421.552†	256714.6	406	ug/L	1.2	406	ug/L	1.2	0.30%
QC value within limits for Sr 421.552 Recovery = 101.51%								
Ti 334.940†	226734.5	408	ug/L	2.0	408	ug/L	2.0	0.48%
QC value within limits for Ti 334.940 Recovery = 101.95%								
Tl 190.801†	562.4	531	ug/L	2.5	531	ug/L	2.5	0.46%
QC value within limits for Tl 190.801 Recovery = 106.25%								
V 292.402†	21634.7	521	ug/L	7.2	521	ug/L	7.2	1.37%
QC value within limits for V 292.402 Recovery = 104.27%								
Zn 206.200†	4303.4	521	ug/L	2.9	521	ug/L	2.9	0.56%
QC value within limits for Zn 206.200 Recovery = 104.23%								

All analyte(s) passed QC.

Sequence No.: 32 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/27/2012 5:58:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271801.3	101	%	0.4				0.42%
Sc 361.383	2312553.6	98.8	%	1.02				1.04%
Ag 328.068†	25.4	0.413	ug/L	0.1357	0.413	ug/L	0.1357	32.86%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	29.6	-26.1	ug/L	1.42	-26.1	ug/L	1.42	5.44%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.3	-0.107	ug/L	0.9312	-0.107	ug/L	0.9312	868.27%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	12.4	-0.138	ug/L	0.0742	-0.138	ug/L	0.0742	53.74%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	28.5	0.221	ug/L	0.0080	0.221	ug/L	0.0080	3.62%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	54.2	-91.8	ug/L	1.88	-91.8	ug/L	1.88	2.04%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	1.8	0.265	ug/L	0.0716	0.265	ug/L	0.0716	27.00%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-2.8	0.173	ug/L	0.0762	0.173	ug/L	0.0762	43.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.4	0.113	ug/L	0.1859	0.113	ug/L	0.1859	164.70%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	270.6	0.395	ug/L	0.1503	0.395	ug/L	0.1503	38.03%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	203.4	9.06	ug/L	1.304	9.06	ug/L	1.304	14.40%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	52.9	-26.7	ug/L	5.36	-26.7	ug/L	5.36	20.04%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	52.8	2.07	ug/L	0.579	2.07	ug/L	0.579	27.94%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	23.3	-0.473	ug/L	0.0282	-0.473	ug/L	0.0282	5.97%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.0	0.432	ug/L	0.9364	0.432	ug/L	0.9364	216.71%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	65.6	-11.3	ug/L	1.48	-11.3	ug/L	1.48	13.02%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.4	-0.217	ug/L	0.1730	-0.217	ug/L	0.1730	79.75%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.8	1.62	ug/L	5.167	1.62	ug/L	5.167	319.20%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.3	0.494	ug/L	0.8660	0.494	ug/L	0.8660	175.30%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.9	0.771	ug/L	4.3709	0.771	ug/L	4.3709	566.94%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.1	-1.70	ug/L	1.977	-1.70	ug/L	1.977	116.26%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	86.4	-0.573	ug/L	0.0055	-0.573	ug/L	0.0055	0.96%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	107.6	0.146	ug/L	0.0493	0.146	ug/L	0.0493	33.66%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.8	-0.149	ug/L	3.4779	-0.149	ug/L	3.4779	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	7.4	0.057	ug/L	0.0199	0.057	ug/L	0.0199	35.03%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	2.1	-2.54	ug/L	0.243	-2.54	ug/L	0.243	9.56%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 33 **Autosampler Location: 58**
Sample ID: 350583501 **Date Collected: 4/27/2012 6:04:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 350583501

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	268303.2	99.6	%	0.81				0.82%
Sc 361.383	2269353.4	96.9	%	1.12				1.15%
Ag 328.068†	-141.5	0.094	ug/L	0.2537	0.187	ug/L	0.5075	271.19%
Al 308.215†	42828.8	23700	ug/L	104.1	47300	ug/L	208.2	0.44%
As 188.979†	33.7	45.0	ug/L	0.67	90.0	ug/L	1.34	1.49%
Ba 233.527†	16044.2	199	ug/L	1.8	398	ug/L	3.7	0.92%
Be 234.861†	280.8	2.09	ug/L	0.196	4.18	ug/L	0.392	9.38%
Ca 315.887†	454376.2	58100	ug/L	99.8	116000	ug/L	199.6	0.17%
Cd 226.502†	78.9	-1.04	ug/L	0.182	-2.07	ug/L	0.364	17.55%
Co 228.616†	660.0	29.8	ug/L	0.54	59.6	ug/L	1.07	1.80%
Cr 267.716†	4545.7	136	ug/L	2.0	273	ug/L	3.9	1.43%
Cu 324.752†	19405.4	57.3	ug/L	1.20	115	ug/L	2.4	2.10%
Fe 259.939†	1108583.7	89500	ug/L	360.0	179000	ug/L	720.0	0.40%
K 766.490†	9178.4	1920	ug/L	37.1	3830	ug/L	74.2	1.94%
Mg 279.077†	139285.0	14800	ug/L	175.0	29600	ug/L	350.0	1.18%
Mn 257.610†	1256227.5	2580	ug/L	2.7	5160	ug/L	5.3	0.10%
Mo 202.031†	2.2	4.78	ug/L	0.292	9.56	ug/L	0.585	6.12%
Na 589.592†	4185.4	401	ug/L	1.1	803	ug/L	2.2	0.27%
Ni 231.604†	371.5	38.7	ug/L	0.79	77.3	ug/L	1.59	2.05%
Pb 220.353†	137.6	82.2	ug/L	4.54	164	ug/L	9.1	5.53%
Sb 206.836†	6.8	2.54	ug/L	2.921	5.08	ug/L	5.843	115.08%
Se 196.026†	-10.6	-11.5	ug/L	2.43	-23.1	ug/L	4.86	21.07%
Sn 189.927†	-8.4	-3.41	ug/L	3.806	-6.82	ug/L	7.611	111.62%
Sr 421.552†	64408.6	101	ug/L	0.3	203	ug/L	0.5	0.25%
Ti 334.940†	243633.4	438	ug/L	7.5	876	ug/L	14.9	1.70%
Tl 190.801†	-2.6	-1.77	ug/L	1.369	-3.54	ug/L	2.738	77.23%
V 292.402†	4877.1	117	ug/L	1.6	235	ug/L	3.1	1.32%
Zn 206.200†	5060.0	610	ug/L	13.3	1220	ug/L	26.7	2.18%

Sequence No.: 34 **Autosampler Location: 59**
Sample ID: 350583501L **Date Collected: 4/27/2012 6:10:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 10X **Sample Prep Vol:**

Mean Data: 350583501L

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	269435.1	100	%	0.2				0.21%
Sc 361.383	2318339.3	99.0	%	0.70				0.71%
Ag 328.068†	-57.7	-0.033	ug/L	0.4131	-0.333	ug/L	4.1310	>999.9%
Al 308.215†	8480.5	4650	ug/L	18.6	46500	ug/L	185.8	0.40%
As 188.979†	4.9	8.91	ug/L	2.748	89.1	ug/L	27.48	30.85%
Ba 233.527†	3253.4	40.1	ug/L	0.66	401	ug/L	6.6	1.64%
Be 234.861†	60.4	0.507	ug/L	0.0079	5.07	ug/L	0.079	1.56%
Ca 315.887†	91140.9	11600	ug/L	20.1	116000	ug/L	201.1	0.17%
Cd 226.502†	13.7	-0.608	ug/L	0.1384	-6.08	ug/L	1.384	22.76%
Co 228.616†	129.8	6.09	ug/L	0.212	60.9	ug/L	2.12	3.49%
Cr 267.716†	917.0	27.4	ug/L	0.22	274	ug/L	2.2	0.80%
Cu 324.752†	3807.9	10.8	ug/L	0.54	108	ug/L	5.4	4.97%
Fe 259.939†	228803.4	18500	ug/L	48.0	185000	ug/L	480.5	0.26%
K 766.490†	1885.2	363	ug/L	21.7	3630	ug/L	216.8	5.97%
Mg 279.077†	28507.6	3020	ug/L	30.5	30200	ug/L	305.4	1.01%
Mn 257.610†	253282.9	520	ug/L	3.1	5200	ug/L	30.5	0.59%
Mo 202.031†	0.6	1.61	ug/L	0.788	16.1	ug/L	7.88	49.02%
Na 589.592†	1208.9	103	ug/L	3.8	1030	ug/L	37.8	3.67%
Ni 231.604†	66.5	6.68	ug/L	0.479	66.8	ug/L	4.79	7.17%
Pb 220.353†	28.3	16.8	ug/L	2.14	168	ug/L	21.4	12.74%
Sb 206.836†	3.2	2.77	ug/L	2.684	27.7	ug/L	26.84	96.86%
Se 196.026†	-5.2	-5.77	ug/L	5.086	-57.7	ug/L	50.86	88.16%
Sn 189.927†	-3.8	-3.73	ug/L	4.289	-37.3	ug/L	42.89	115.12%
Sr 421.552†	12908.5	19.7	ug/L	0.11	197	ug/L	1.1	0.53%
Ti 334.940†	46940.3	84.4	ug/L	3.17	844	ug/L	31.7	3.76%
Tl 190.801†	1.8	1.12	ug/L	2.575	11.2	ug/L	25.75	229.68%
V 292.402†	960.1	23.0	ug/L	0.34	230	ug/L	3.4	1.46%
Zn 206.200†	1057.5	125	ug/L	1.3	1250	ug/L	12.7	1.01%

Sequence No.: 35 **Autosampler Location: 60**
Sample ID: 350583507 **Date Collected: 4/27/2012 6:15:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 350583507

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	261417.4	97.1	%	1.13				1.16%
Sc 361.383	2225316.5	95.1	%	0.50				0.53%
Ag 328.068†	12837.2	102	ug/L	2.9	204	ug/L	5.7	2.80%
Al 308.215†	104847.2	58000	ug/L	63.5	116000	ug/L	127.1	0.11%
As 188.979†	276.5	330	ug/L	4.3	660	ug/L	8.7	1.31%
Ba 233.527†	80058.9	1000	ug/L	21.1	2010	ug/L	42.2	2.11%
Be 234.861†	51540.9	255	ug/L	2.6	511	ug/L	5.1	1.01%
Ca 315.887†	722205.8	92400	ug/L	396.8	185000	ug/L	793.7	0.43%
Cd 226.502†	1765.3	240	ug/L	3.9	480	ug/L	7.8	1.62%
Co 228.616†	5779.3	282	ug/L	2.9	564	ug/L	5.7	1.02%
Cr 267.716†	14684.6	440	ug/L	3.8	881	ug/L	7.7	0.87%
Cu 324.752†	94735.8	296	ug/L	8.0	592	ug/L	15.9	2.69%
Fe 259.939†	1870791.2	151000	ug/L	1336.7	302000	ug/L	2673.4	0.89%
K 766.490†	128802.4	27400	ug/L	106.5	54800	ug/L	213.0	0.39%
Mg 279.077†	443832.4	47100	ug/L	933.4	94200	ug/L	1866.8	1.98%
Mn 257.610†	1719093.4	3530	ug/L	25.4	7060	ug/L	50.8	0.72%
Mo 202.031†	857.6	258	ug/L	3.0	517	ug/L	6.0	1.17%
Na 589.592†	265019.1	26500	ug/L	94.7	53100	ug/L	189.3	0.36%
Ni 231.604†	2811.6	299	ug/L	2.5	599	ug/L	5.0	0.83%
Pb 220.353†	586.2	359	ug/L	3.4	718	ug/L	6.9	0.96%
Sb 206.836†	336.3	212	ug/L	2.3	425	ug/L	4.6	1.07%
Se 196.026†	133.7	234	ug/L	2.6	467	ug/L	5.1	1.09%
Sn 189.927†	340.3	259	ug/L	4.9	517	ug/L	9.7	1.88%
Sr 421.552†	229587.3	363	ug/L	0.2	726	ug/L	0.3	0.04%
Ti 334.940†	505986.1	910	ug/L	3.5	1820	ug/L	7.0	0.39%
Tl 190.801†	260.5	248	ug/L	4.1	496	ug/L	8.3	1.67%
V 292.402†	17439.3	420	ug/L	11.5	840	ug/L	22.9	2.73%
Zn 206.200†	6859.5	828	ug/L	9.2	1660	ug/L	18.4	1.11%

Sequence No.: 36 **Autosampler Location: 61**
Sample ID: 350583508 **Date Collected: 4/27/2012 6:20:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 350583508

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	263261.0	97.8	%	0.66				0.67%
Sc 361.383	2240582.2	95.7	%	0.69				0.72%
Ag 328.068†	12603.3	100	ug/L	1.4	200	ug/L	2.7	1.36%
Al 308.215†	99539.8	55100	ug/L	258.1	110000	ug/L	516.3	0.47%
As 188.979†	248.9	298	ug/L	1.9	596	ug/L	3.8	0.64%
Ba 233.527†	79957.7	1000	ug/L	12.5	2000	ug/L	25.0	1.25%
Be 234.861†	51229.3	254	ug/L	2.6	508	ug/L	5.2	1.02%
Ca 315.887†	658254.6	84200	ug/L	418.7	168000	ug/L	837.4	0.50%
Cd 226.502†	1756.7	240	ug/L	2.2	481	ug/L	4.4	0.91%
Co 228.616†	6018.6	295	ug/L	2.2	589	ug/L	4.3	0.74%
Cr 267.716†	15608.7	468	ug/L	3.5	936	ug/L	7.0	0.75%
Cu 324.752†	95209.7	298	ug/L	2.1	596	ug/L	4.2	0.70%
Fe 259.939†	1718440.7	139000	ug/L	1794.3	277000	ug/L	3588.5	1.29%
K 766.490†	125983.6	26800	ug/L	118.0	53600	ug/L	236.0	0.44%
Mg 279.077†	404514.6	42900	ug/L	50.4	85900	ug/L	100.9	0.12%
Mn 257.610†	1493686.3	3070	ug/L	15.0	6130	ug/L	30.0	0.49%
Mo 202.031†	853.0	257	ug/L	2.9	513	ug/L	5.9	1.15%
Na 589.592†	262057.6	26200	ug/L	116.7	52500	ug/L	233.4	0.44%
Ni 231.604†	2952.2	315	ug/L	2.1	629	ug/L	4.1	0.66%
Pb 220.353†	563.3	345	ug/L	1.7	691	ug/L	3.4	0.49%
Sb 206.836†	333.8	211	ug/L	3.4	422	ug/L	6.8	1.60%
Se 196.026†	135.6	236	ug/L	5.5	473	ug/L	11.0	2.33%
Sn 189.927†	342.3	259	ug/L	4.2	518	ug/L	8.4	1.63%
Sr 421.552†	228223.0	361	ug/L	1.8	722	ug/L	3.5	0.49%
Ti 334.940†	437007.8	786	ug/L	0.7	1570	ug/L	1.4	0.09%
Tl 190.801†	263.9	251	ug/L	1.8	502	ug/L	3.6	0.72%
V 292.402†	16728.7	403	ug/L	6.8	806	ug/L	13.5	1.68%
Zn 206.200†	7112.1	860	ug/L	5.4	1720	ug/L	10.8	0.63%

Sequence No.: 37 **Autosampler Location: 62**
Sample ID: 350583501A **Date Collected: 4/27/2012 6:26:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 350583501A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	265878.8	98.7	%	0.77				0.78%
Sc 361.383	2239972.8	95.7	%	0.93				0.97%
Ag 328.068†	26244.3	207	ug/L	2.2	413	ug/L	4.4	1.07%
Al 308.215†	135763.7	75100	ug/L	323.3	150000	ug/L	646.6	0.43%
As 188.979†	472.3	558	ug/L	7.8	1120	ug/L	15.7	1.40%
Ba 233.527†	134706.4	1690	ug/L	15.8	3380	ug/L	31.6	0.93%
Be 234.861†	106811.3	528	ug/L	2.7	1060	ug/L	5.3	0.50%
Ca 315.887†	829320.1	106000	ug/L	339.3	212000	ug/L	678.6	0.32%
Cd 226.502†	3488.5	497	ug/L	2.6	994	ug/L	5.2	0.53%
Co 228.616†	10731.1	529	ug/L	4.3	1060	ug/L	8.7	0.82%
Cr 267.716†	21487.6	644	ug/L	8.3	1290	ug/L	16.7	1.29%
Cu 324.752†	181982.0	575	ug/L	4.7	1150	ug/L	9.3	0.81%
Fe 259.939†	1712334.9	138000	ug/L	251.4	276000	ug/L	502.8	0.18%
K 766.490†	246590.1	52500	ug/L	109.1	105000	ug/L	218.2	0.21%
Mg 279.077†	604714.2	64200	ug/L	985.8	128000	ug/L	1971.6	1.54%
Mn 257.610†	1463518.1	3000	ug/L	15.8	6010	ug/L	31.6	0.53%
Mo 202.031†	1756.8	522	ug/L	2.8	1040	ug/L	5.5	0.53%
Na 589.592†	521302.0	52200	ug/L	231.3	104000	ug/L	462.5	0.44%
Ni 231.604†	5159.5	551	ug/L	3.6	1100	ug/L	7.2	0.66%
Pb 220.353†	946.6	584	ug/L	5.1	1170	ug/L	10.3	0.88%
Sb 206.836†	778.9	498	ug/L	0.9	997	ug/L	1.8	0.18%
Se 196.026†	289.0	496	ug/L	17.5	992	ug/L	34.9	3.52%
Sn 189.927†	702.9	530	ug/L	11.5	1060	ug/L	23.1	2.18%
Sr 421.552†	384542.5	609	ug/L	3.0	1220	ug/L	6.1	0.50%
Ti 334.940†	537257.9	966	ug/L	1.1	1930	ug/L	2.1	0.11%
Tl 190.801†	551.2	523	ug/L	4.4	1050	ug/L	8.7	0.84%
V 292.402†	26821.2	646	ug/L	5.3	1290	ug/L	10.5	0.81%
Zn 206.200†	9201.1	1110	ug/L	6.8	2230	ug/L	13.6	0.61%

Sequence No.: 38 **Autosampler Location: 63**
Sample ID: 350583502 **Date Collected: 4/27/2012 6:31:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 350583502

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	268069.4	99.5	%	0.24				0.24%
Sc 361.383	2299924.3	98.2	%	0.67				0.69%
Ag 328.068†	-38.7	0.362	ug/L	0.1388	1.81	ug/L	0.694	38.31%
Al 308.215†	18138.5	10000	ug/L	37.3	50000	ug/L	186.4	0.37%
As 188.979†	20.0	27.3	ug/L	2.09	136	ug/L	10.4	7.66%
Ba 233.527†	12139.5	151	ug/L	0.5	756	ug/L	2.4	0.32%
Be 234.861†	230.0	1.50	ug/L	0.169	7.51	ug/L	0.844	11.25%
Ca 315.887†	255081.2	32600	ug/L	105.1	163000	ug/L	525.7	0.32%
Cd 226.502†	38.5	-0.121	ug/L	0.1122	-0.607	ug/L	0.5611	92.41%
Co 228.616†	308.1	14.1	ug/L	0.36	70.4	ug/L	1.80	2.56%
Cr 267.716†	2231.0	66.8	ug/L	0.80	334	ug/L	4.0	1.20%
Cu 324.752†	10930.8	30.1	ug/L	0.54	150	ug/L	2.7	1.81%
Fe 259.939†	507287.9	40900	ug/L	420.2	205000	ug/L	2101.1	1.03%
K 766.490†	4453.9	910	ug/L	27.6	4550	ug/L	138.1	3.03%
Mg 279.077†	85588.5	9090	ug/L	64.3	45500	ug/L	321.6	0.71%
Mn 257.610†	1300923.7	2670	ug/L	9.4	13400	ug/L	46.9	0.35%
Mo 202.031†	1.8	2.82	ug/L	0.413	14.1	ug/L	2.07	14.68%
Na 589.592†	2125.8	195	ug/L	2.1	975	ug/L	10.7	1.09%
Ni 231.604†	240.4	25.1	ug/L	0.20	125	ug/L	1.0	0.79%
Pb 220.353†	96.3	58.1	ug/L	2.84	290	ug/L	14.2	4.89%
Sb 206.836†	5.2	3.22	ug/L	2.548	16.1	ug/L	12.74	79.05%
Se 196.026†	-6.6	-6.60	ug/L	7.788	-33.0	ug/L	38.94	117.93%
Sn 189.927†	-7.0	-4.17	ug/L	2.018	-20.9	ug/L	10.09	48.34%
Sr 421.552†	34537.1	54.0	ug/L	0.16	270	ug/L	0.8	0.30%
Ti 334.940†	115490.9	208	ug/L	2.8	1040	ug/L	14.0	1.35%
Tl 190.801†	2.5	2.27	ug/L	2.327	11.3	ug/L	11.63	102.62%
V 292.402†	1933.3	46.4	ug/L	0.22	232	ug/L	1.1	0.48%
Zn 206.200†	2640.3	317	ug/L	0.8	1590	ug/L	3.8	0.24%

Sequence No.: 39 **Autosampler Location: 64**
Sample ID: 350583503 **Date Collected: 4/27/2012 6:36:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 350583503

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	271732.2	101	%	0.4				0.41%
Sc 361.383	2310290.5	98.7	%	0.38				0.38%
Ag 328.068†	-93.1	0.329	ug/L	0.4148	0.659	ug/L	0.8295	125.91%
Al 308.215†	34246.2	18900	ug/L	105.9	37800	ug/L	211.8	0.56%
As 188.979†	28.0	38.0	ug/L	1.88	75.9	ug/L	3.75	4.94%
Ba 233.527†	17093.2	213	ug/L	1.7	425	ug/L	3.4	0.80%
Be 234.861†	325.5	2.22	ug/L	0.130	4.44	ug/L	0.260	5.84%
Ca 315.887†	472659.0	60500	ug/L	360.5	121000	ug/L	721.1	0.60%
Cd 226.502†	70.6	-0.425	ug/L	0.4470	-0.851	ug/L	0.8941	105.09%
Co 228.616†	512.1	22.7	ug/L	0.16	45.5	ug/L	0.31	0.69%
Cr 267.716†	4133.5	124	ug/L	0.6	248	ug/L	1.3	0.52%
Cu 324.752†	11832.0	33.0	ug/L	0.89	66.0	ug/L	1.79	2.71%
Fe 259.939†	948682.9	76600	ug/L	404.1	153000	ug/L	808.2	0.53%
K 766.490†	7105.2	1480	ug/L	5.3	2950	ug/L	10.6	0.36%
Mg 279.077†	172667.6	18300	ug/L	42.3	36700	ug/L	84.6	0.23%
Mn 257.610†	1288876.1	2650	ug/L	12.4	5290	ug/L	24.7	0.47%
Mo 202.031†	-0.7	3.43	ug/L	1.382	6.85	ug/L	2.763	40.31%
Na 589.592†	4361.6	419	ug/L	1.0	838	ug/L	1.9	0.23%
Ni 231.604†	334.8	34.8	ug/L	0.33	69.7	ug/L	0.65	0.94%
Pb 220.353†	136.3	81.8	ug/L	2.95	164	ug/L	5.9	3.61%
Sb 206.836†	5.6	2.31	ug/L	1.629	4.63	ug/L	3.258	70.44%
Se 196.026†	-14.0	-17.0	ug/L	8.10	-34.0	ug/L	16.19	47.66%
Sn 189.927†	-10.0	-3.69	ug/L	0.953	-7.38	ug/L	1.906	25.83%
Sr 421.552†	68934.1	109	ug/L	0.5	217	ug/L	1.0	0.45%
Ti 334.940†	254967.2	459	ug/L	1.1	917	ug/L	2.3	0.25%
Tl 190.801†	3.5	3.98	ug/L	4.383	7.96	ug/L	8.766	110.14%
V 292.402†	4327.2	104	ug/L	0.7	208	ug/L	1.3	0.65%
Zn 206.200†	5380.9	650	ug/L	1.4	1300	ug/L	2.7	0.21%

Sequence No.: 40 **Autosampler Location: 65**
Sample ID: 350583504 **Date Collected: 4/27/2012 6:42:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Mean Data: 350583504

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	272672.8	101	%	1.7				1.66%
Sc 361.383	2318275.1	99.0	%	0.31				0.31%
Ag 328.068†	-115.4	-0.106	ug/L	0.0886	-0.532	ug/L	0.4428	83.25%
Al 308.215†	25245.5	13900	ug/L	238.9	69700	ug/L	1194.3	1.71%
As 188.979†	14.9	21.5	ug/L	2.90	108	ug/L	14.5	13.46%
Ba 233.527†	9991.4	124	ug/L	2.0	620	ug/L	10.0	1.61%
Be 234.861†	167.5	1.28	ug/L	0.171	6.38	ug/L	0.857	13.43%
Ca 315.887†	173481.4	22100	ug/L	245.5	111000	ug/L	1227.4	1.11%
Cd 226.502†	46.8	-0.578	ug/L	0.6462	-2.89	ug/L	3.231	111.72%
Co 228.616†	484.2	22.6	ug/L	0.28	113	ug/L	1.4	1.26%
Cr 267.716†	1390.0	41.7	ug/L	0.12	208	ug/L	0.6	0.29%
Cu 324.752†	12711.5	38.1	ug/L	0.52	190	ug/L	2.6	1.38%
Fe 259.939†	653662.6	52800	ug/L	1150.8	264000	ug/L	5754.0	2.18%
K 766.490†	6259.8	1290	ug/L	6.2	6470	ug/L	30.8	0.47%
Mg 279.077†	88302.5	9370	ug/L	67.0	46900	ug/L	335.0	0.71%
Mn 257.610†	605843.0	1240	ug/L	3.9	6220	ug/L	19.6	0.32%
Mo 202.031†	2.4	3.43	ug/L	0.569	17.2	ug/L	2.84	16.57%
Na 589.592†	1204.0	103	ug/L	5.2	514	ug/L	25.9	5.04%
Ni 231.604†	267.6	27.9	ug/L	0.52	139	ug/L	2.6	1.85%
Pb 220.353†	79.4	47.2	ug/L	1.53	236	ug/L	7.6	3.23%
Sb 206.836†	2.0	0.868	ug/L	1.6066	4.34	ug/L	8.033	185.04%
Se 196.026†	-7.3	-8.58	ug/L	4.502	-42.9	ug/L	22.51	52.48%
Sn 189.927†	1.1	0.036	ug/L	4.3371	0.181	ug/L	21.6855	>999.9%
Sr 421.552†	18370.7	28.4	ug/L	0.33	142	ug/L	1.7	1.17%
Ti 334.940†	89126.8	160	ug/L	1.7	801	ug/L	8.5	1.06%
Tl 190.801†	0.0	-0.058	ug/L	1.1334	-0.288	ug/L	5.6670	>999.9%
V 292.402†	2553.8	61.3	ug/L	0.15	307	ug/L	0.8	0.25%
Zn 206.200†	2156.7	258	ug/L	0.4	1290	ug/L	1.9	0.15%

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Sequence No.: 41 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 4/27/2012 6:47:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	255016.5	94.7	%	1.02				1.08%
Sc 361.383	2139555.8	91.4	%	0.93				1.02%
Ag 328.068†	-304.0	0.217	ug/L	0.2034	0.217	ug/L	0.2034	93.69%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	461484.7	255000	ug/L	425.8	255000	ug/L	425.8	0.17%
QC value within limits for Al 308.215 Recovery = 102.16%								
As 188.979†	-12.5	-5.72	ug/L	7.580	-5.72	ug/L	7.580	132.58%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	473.5	-0.172	ug/L	0.0784	-0.172	ug/L	0.0784	45.47%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-696.7	-1.84	ug/L	0.322	-1.84	ug/L	0.322	17.44%
QC value less than the lower limit for Be 234.861 Recovery = Not calculated								
Ca 315.887†	1836244.9	235000	ug/L	220.9	235000	ug/L	220.9	0.09%
QC value within limits for Ca 315.887 Recovery = 94.06%								
Cd 226.502†	207.9	0.086	ug/L	0.8585	0.086	ug/L	0.8585	996.36%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	112.0	-0.375	ug/L	0.3882	-0.375	ug/L	0.3882	103.64%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-41.7	-0.552	ug/L	0.3378	-0.552	ug/L	0.3378	61.18%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	-216.9	-1.16	ug/L	0.199	-1.16	ug/L	0.199	17.13%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	2676817.2	216000	ug/L	127.7	216000	ug/L	127.7	0.06%
QC value within limits for Fe 259.939 Recovery = 96.04%								
K 766.490†	-80.4	-55.1	ug/L	35.76	-55.1	ug/L	35.76	64.86%
Mg 279.077†	2336812.1	248000	ug/L	3586.9	248000	ug/L	3586.9	1.45%
QC value within limits for Mg 279.077 Recovery = 99.18%								
Mn 257.610†	1624.3	0.439	ug/L	0.2148	0.439	ug/L	0.2148	48.93%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-24.2	1.82	ug/L	0.676	1.82	ug/L	0.676	37.16%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	215.6	3.68	ug/L	6.351	3.68	ug/L	6.351	172.39%
Ni 231.604†	27.3	0.509	ug/L	0.9833	0.509	ug/L	0.9833	193.26%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-6.2	3.37	ug/L	3.684	3.37	ug/L	3.684	109.41%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	16.1	4.87	ug/L	0.479	4.87	ug/L	0.479	9.82%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-12.4	-1.43	ug/L	13.782	-1.43	ug/L	13.782	964.73%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-19.1	-0.103	ug/L	3.9910	-0.103	ug/L	3.9910	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	629.7	0.288	ug/L	0.0268	0.288	ug/L	0.0268	9.32%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	-39.6	-0.118	ug/L	0.1350	-0.118	ug/L	0.1350	114.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-5.1	-2.32	ug/L	7.117	-2.32	ug/L	7.117	306.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	53.5	0.733	ug/L	0.1112	0.733	ug/L	0.1112	15.16%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	114.7	4.01	ug/L	0.531	4.01	ug/L	0.531	13.23%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 42 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 4/27/2012 6:52:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	253594.1	94.2	%	0.98				1.04%
Sc 361.383	2141992.2	91.5	%	0.18				0.20%
Ag 328.068†	26019.3	206	ug/L	3.7	206	ug/L	3.7	1.78%
QC value within limits for Ag 328.068 Recovery = 102.90%								
Al 308.215†	460194.5	255000	ug/L	2460.6	255000	ug/L	2460.6	0.97%
QC value within limits for Al 308.215 Recovery = 101.87%								
As 188.979†	77.1	101	ug/L	3.3	101	ug/L	3.3	3.27%
QC value within limits for As 188.979 Recovery = 101.36%								
Ba 233.527†	39878.6	495	ug/L	5.0	495	ug/L	5.0	1.01%
QC value within limits for Ba 233.527 Recovery = 99.09%								
Be 234.861†	105181.3	520	ug/L	1.7	520	ug/L	1.7	0.33%
QC value within limits for Be 234.861 Recovery = 104.09%								
Ca 315.887†	1839921.9	236000	ug/L	2562.9	236000	ug/L	2562.9	1.09%
QC value within limits for Ca 315.887 Recovery = 94.24%								
Cd 226.502†	6536.0	937	ug/L	5.9	937	ug/L	5.9	0.63%
QC value within limits for Cd 226.502 Recovery = 93.68%								
Co 228.616†	9623.6	472	ug/L	0.5	472	ug/L	0.5	0.11%
QC value within limits for Co 228.616 Recovery = 94.47%								
Cr 267.716†	16355.5	491	ug/L	4.1	491	ug/L	4.1	0.83%
QC value within limits for Cr 267.716 Recovery = 98.15%								
Cu 324.752†	162670.8	518	ug/L	5.6	518	ug/L	5.6	1.07%
QC value within limits for Cu 324.752 Recovery = 103.51%								
Fe 259.939†	2679739.4	216000	ug/L	2381.6	216000	ug/L	2381.6	1.10%
QC value within limits for Fe 259.939 Recovery = 96.15%								
K 766.490†	6.9	-36.5	ug/L	6.79	-36.5	ug/L	6.79	18.57%
Mg 279.077†	2355684.7	250000	ug/L	2225.3	250000	ug/L	2225.3	0.89%
QC value within limits for Mg 279.077 Recovery = 99.99%								
Mn 257.610†	241128.2	492	ug/L	1.3	492	ug/L	1.3	0.26%
QC value within limits for Mn 257.610 Recovery = 98.48%								
Mo 202.031†	1660.7	497	ug/L	4.0	497	ug/L	4.0	0.80%
QC value within limits for Mo 202.031 Recovery = 99.35%								
Na 589.592†	167.6	-1.12	ug/L	1.578	-1.12	ug/L	1.578	141.14%
Ni 231.604†	9067.5	969	ug/L	4.1	969	ug/L	4.1	0.42%
QC value within limits for Ni 231.604 Recovery = 96.90%								
Pb 220.353†	70.6	51.2	ug/L	5.19	51.2	ug/L	5.19	10.13%
QC value within limits for Pb 220.353 Recovery = 102.45%								
Sb 206.836†	944.2	603	ug/L	4.2	603	ug/L	4.2	0.69%
QC value within limits for Sb 206.836 Recovery = 100.58%								
Se 196.026†	8.4	34.1	ug/L	4.51	34.1	ug/L	4.51	13.23%
QC value less than the lower limit for Se 196.026 Recovery = 68.24%								
Sn 189.927†	665.0	510	ug/L	8.5	510	ug/L	8.5	1.66%
QC value within limits for Sn 189.927 Recovery = 101.98%								
Sr 421.552†	309685.6	490	ug/L	5.8	490	ug/L	5.8	1.19%
QC value within limits for Sr 421.552 Recovery = 98.00%								
Ti 334.940†	289683.0	521	ug/L	4.4	521	ug/L	4.4	0.84%
QC value within limits for Ti 334.940 Recovery = 104.20%								
Tl 190.801†	106.2	100	ug/L	4.0	100	ug/L	4.0	3.96%
QC value within limits for Tl 190.801 Recovery = 100.16%								
V 292.402†	21229.6	511	ug/L	8.5	511	ug/L	8.5	1.66%
QC value within limits for V 292.402 Recovery = 102.25%								
Zn 206.200†	7984.1	963	ug/L	4.9	963	ug/L	4.9	0.51%
QC value within limits for Zn 206.200 Recovery = 96.32%								

QC Failed. Continue with analysis.

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Sequence No.: 43 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 4/27/2012 6:57:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	264629.8	98.3	%	1.13				1.15%
Sc 361.383	2271685.4	97.0	%	0.39				0.40%
Ag 328.068†	65445.1	512	ug/L	3.5	512	ug/L	3.5	0.69%
QC value within limits for Ag 328.068 Recovery = 102.36%								
Al 308.215†	45458.6	25100	ug/L	126.1	25100	ug/L	126.1	0.50%
QC value within limits for Al 308.215 Recovery = 100.50%								
As 188.979†	434.0	510	ug/L	1.8	510	ug/L	1.8	0.36%
QC value within limits for As 188.979 Recovery = 102.00%								
Ba 233.527†	40621.3	510	ug/L	3.0	510	ug/L	3.0	0.59%
QC value within limits for Ba 233.527 Recovery = 101.90%								
Be 234.861†	102804.8	508	ug/L	5.1	508	ug/L	5.1	1.00%
QC value within limits for Be 234.861 Recovery = 101.50%								
Ca 315.887†	189263.6	24100	ug/L	84.4	24100	ug/L	84.4	0.35%
QC value within limits for Ca 315.887 Recovery = 96.59%								
Cd 226.502†	3462.6	507	ug/L	3.7	507	ug/L	3.7	0.74%
QC value within limits for Cd 226.502 Recovery = 101.34%								
Co 228.616†	10169.7	505	ug/L	4.1	505	ug/L	4.1	0.81%
QC value within limits for Co 228.616 Recovery = 100.98%								
Cr 267.716†	16943.6	508	ug/L	3.2	508	ug/L	3.2	0.63%
QC value within limits for Cr 267.716 Recovery = 101.53%								
Cu 324.752†	156223.4	497	ug/L	4.4	497	ug/L	4.4	0.89%
QC value within limits for Cu 324.752 Recovery = 99.38%								
Fe 259.939†	511974.6	41300	ug/L	121.0	41300	ug/L	121.0	0.29%
QC value within limits for Fe 259.939 Recovery = 103.31%								
K 766.490†	112861.8	24000	ug/L	59.1	24000	ug/L	59.1	0.25%
QC value within limits for K 766.490 Recovery = 95.98%								
Mg 279.077†	240514.5	25500	ug/L	204.4	25500	ug/L	204.4	0.80%
QC value within limits for Mg 279.077 Recovery = 102.08%								
Mn 257.610†	245744.6	504	ug/L	4.0	504	ug/L	4.0	0.80%
QC value within limits for Mn 257.610 Recovery = 100.76%								
Mo 202.031†	1737.7	513	ug/L	2.1	513	ug/L	2.1	0.40%
QC value within limits for Mo 202.031 Recovery = 102.54%								
Na 589.592†	252214.7	25200	ug/L	99.5	25200	ug/L	99.5	0.39%
QC value within limits for Na 589.592 Recovery = 101.00%								
Ni 231.604†	4857.7	520	ug/L	1.8	520	ug/L	1.8	0.35%
QC value within limits for Ni 231.604 Recovery = 103.91%								
Pb 220.353†	829.6	513	ug/L	1.5	513	ug/L	1.5	0.29%
QC value within limits for Pb 220.353 Recovery = 102.61%								
Sb 206.836†	781.5	503	ug/L	5.6	503	ug/L	5.6	1.12%
QC value within limits for Sb 206.836 Recovery = 100.64%								
Se 196.026†	304.3	516	ug/L	13.7	516	ug/L	13.7	2.66%
QC value within limits for Se 196.026 Recovery = 103.17%								
Sn 189.927†	542.2	403	ug/L	4.3	403	ug/L	4.3	1.07%
QC value within limits for Sn 189.927 Recovery = 100.79%								
Sr 421.552†	258009.5	408	ug/L	2.2	408	ug/L	2.2	0.54%
QC value within limits for Sr 421.552 Recovery = 102.03%								
Ti 334.940†	226567.4	407	ug/L	3.5	407	ug/L	3.5	0.85%
QC value within limits for Ti 334.940 Recovery = 101.87%								
Tl 190.801†	567.4	536	ug/L	3.5	536	ug/L	3.5	0.66%
QC value within limits for Tl 190.801 Recovery = 107.19%								
V 292.402†	21672.9	522	ug/L	2.2	522	ug/L	2.2	0.42%
QC value within limits for V 292.402 Recovery = 104.46%								
Zn 206.200†	4375.7	530	ug/L	1.6	530	ug/L	1.6	0.30%
QC value within limits for Zn 206.200 Recovery = 105.99%								

All analyte(s) passed QC.

==========

Sequence No.: 44 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 4/27/2012 7:03:08 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc Radial	270911.4	101	%	1.4				1.39%
Sc 361.383	2346478.6	100	%	0.7				0.67%
Ag 328.068†	-14.8	0.099	ug/L	0.3300	0.099	ug/L	0.3300	332.42%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 308.215†	42.8	-18.8	ug/L	6.45	-18.8	ug/L	6.45	34.38%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-1.0	1.39	ug/L	2.283	1.39	ug/L	2.283	163.69%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	12.9	-0.132	ug/L	0.0484	-0.132	ug/L	0.0484	36.73%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	20.2	0.180	ug/L	0.0345	0.180	ug/L	0.0345	19.18%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	184.2	-75.1	ug/L	1.87	-75.1	ug/L	1.87	2.49%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 226.502†	0.2	0.014	ug/L	0.1139	0.014	ug/L	0.1139	796.98%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Co 228.616†	-6.6	-0.014	ug/L	0.1125	-0.014	ug/L	0.1125	811.63%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	2.2	-0.104	ug/L	0.1113	-0.104	ug/L	0.1113	106.69%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 324.752†	223.5	0.244	ug/L	0.0342	0.244	ug/L	0.0342	14.01%
QC value within limits for Cu 324.752 Recovery = Not calculated								
Fe 259.939†	310.7	17.7	ug/L	2.69	17.7	ug/L	2.69	15.16%
QC value within limits for Fe 259.939 Recovery = Not calculated								
K 766.490†	58.1	-25.6	ug/L	15.10	-25.6	ug/L	15.10	58.87%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	158.1	13.2	ug/L	1.41	13.2	ug/L	1.41	10.67%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	12.9	-0.494	ug/L	0.0271	-0.494	ug/L	0.0271	5.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.3	0.810	ug/L	0.7918	0.810	ug/L	0.7918	97.80%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	76.4	-10.3	ug/L	6.03	-10.3	ug/L	6.03	58.80%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.8	-0.350	ug/L	0.9829	-0.350	ug/L	0.9829	280.89%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.1	1.23	ug/L	0.542	1.23	ug/L	0.542	43.88%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.1	0.616	ug/L	1.2728	0.616	ug/L	1.2728	206.46%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.2	4.21	ug/L	4.231	4.21	ug/L	4.231	100.53%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.9	-1.09	ug/L	0.819	-1.09	ug/L	0.819	75.26%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 421.552†	62.7	-0.611	ug/L	0.0151	-0.611	ug/L	0.0151	2.47%
QC value within limits for Sr 421.552 Recovery = Not calculated								
Ti 334.940†	32.0	0.010	ug/L	0.0755	0.010	ug/L	0.0755	722.18%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.4	1.43	ug/L	1.972	1.43	ug/L	1.972	137.76%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	4.9	-0.004	ug/L	0.1595	-0.004	ug/L	0.1595	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	1.5	-2.63	ug/L	0.359	-2.63	ug/L	0.359	13.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44322	ICP_MAJ_SPK	CPI	11J138	4/20/2013	1000 ML	12/27/2011	troberts

2500000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45139	HNO3	fisher	1111101	11/30/2014	2.5 L	12/11/2011	ddthompson

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45240	ICP_MIN_SPK	CPI	12B186	8/23/2013	1000 ML	3/2/2012	troberts

10000 UG/L: Silver
25000 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadiu
Zinc
250000 UG/L: Lithium
75000 UG/L: Barium

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45241	ICP_ICSA			6/30/2012	1000 ML	3/2/2012	troberts

225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium

COMPOSED OF:

43771: 12.5 ML 44886: 50 ML 45611: 937.5 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45248	ICP_ICSAB			6/30/2012	1000 ML	3/2/2012	troberts

100 UG/L: Arsenic, Thallium
1000 UG/L: Cadmium, Nickel, Zinc
200 UG/L: Silver
225000 UG/L: Iron
250000 UG/L: Aluminum, Calcium, Magnesium
50 UG/L: Lead, Selenium
500 UG/L: Barium, Beryllium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Strontium, Tin, Titanium, Vanadium
600 UG/L: Antimony

COMPOSED OF:

41678: 0.5 ML 41679: 0.5 ML 43771: 12.5 ML 44881: 10 ML 44883: 0.5 ML 44886: 50 ML 45611: 925.2 ML 45661: 0.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45433	ICP_ICV			6/30/2012	500 ML	3/20/2012	troberts

3505835

1200 UG/L: Barium
160 UG/L: Silver
400 UG/L: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Strontium, Thallium, Tin, Titanium, Vanadium,
4000 UG/L: Lithium
40000 UG/L: Aluminum, Calcium, Iron, Magnesium, Potassium, Sodium

COMPOSED OF:

44322: 8 ML 44402: 8 ML 45611: 484 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45535	HCl	Fisher	4110080	9/30/2013	2.5 L	3/26/2012	jbowman

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45623	ICP_CAL5			6/30/2012	250 ML	4/2/2012	troberts

250000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4000 UG/L: Strontium, Tin, Titanium
400000 UG/L: Iron
5000 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50000 UG/L: Lithium

2920

STANDARDS LOG

COMPOSED OF:

42356: 12.5 ML 42357: 50 ML 44886: 12.5 ML 45622: 175 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45624	ICP_CAL4/CCV			6/30/2012	1000 ML	4/2/2012	troberts

25000 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
400 UG/L: Strontium, Tin, Titanium
40000 UG/L: Iron
500 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
5000 UG/L: Lithium

COMPOSED OF:

45622: 900 ML 45623: 100 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45625	ICP_CAL3			6/30/2012	250 ML	4/2/2012	troberts

3505835

2500 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Strontium, Tin, Titanium
4000 UG/L: Iron
50 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
500 UG/L: Lithium

COMPOSED OF:

45622: 247.5 ML 45623: 2.5 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45626	ICP_CAL2			6/30/2012	250 ML	4/2/2012	troberts

250 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
4 UG/L: Strontium, Tin, Titanium
400 UG/L: Iron
5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
50 UG/L: Lithium

COMPOSED OF:

45622: 249.75 ML 45623: 0.25 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45627	ICP_CAL1			6/30/2012	250 ML	4/2/2012	troberts

0.4 UG/L: Strontium, Tin, Titanium
0.5 UG/L: Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc
25 UG/L: Aluminum, Calcium, Magnesium, Potassium, Sodium
40 UG/L: Iron
5 UG/L: Lithium

COMPOSED OF:

45622: 249.975 ML 45623: 0.025 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45964	Hydrogen Peroxide	J. T. Baker	L10J09	4/20/2013	900 mL	4/20/2012	ddthompson

3505835

2922

Raw Data Inorganics/Metals

Spectrum Analytical, Inc. Florida Division

Prepared by: JB
PREP Batch: 042512A
LCS/MS/SD Spike: MET# 45799
CAL Spike: MET# 45797, 45798
Balance ID: Met 1
Filter Lot #: NA
Dig Tube: 1202052

Date Prepared: 04/25/12
LCS/MS/SD Spike amount: 0.075 mL
Pipette(s) Used for Spikes: P6 WC4
Glass Beads ID: 33394
Thermometer ID: 289366
Water Bath Temperature: 95 °C

Reagents: PM#
$KMnO_4$ 45741
$K_2S_2O_8$ NA
HCl 45535
HNO_3 45139
H_2SO_4 42793
Hydrox. 45740
Carrier 45996
Reductant 45997

Methods: Water 7470/7470A Soil 7471A/7471B
Start time: 14:31 Stop time: 15:09

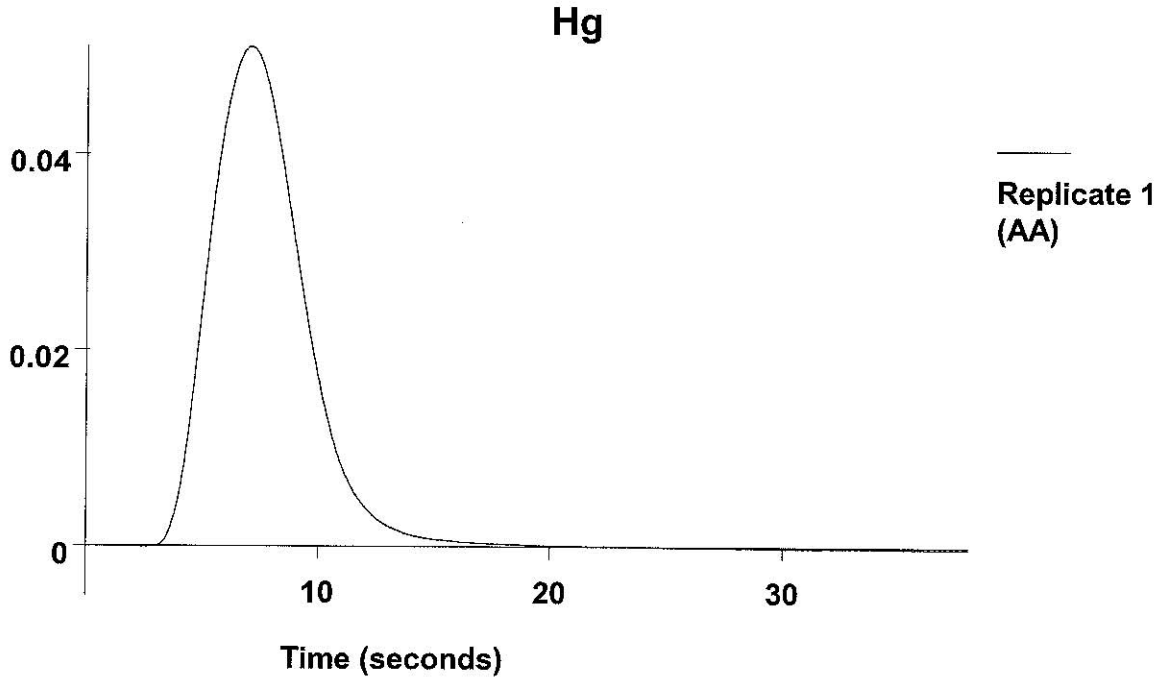
7471 - Soil

	Tube#	Container #	Sample ID	ID	Weight (g) or Volume (mL) 3 Sig Fig	Final volume (mL)	Comment or Notification: Pilot Batch # : 4239
	8		Blk 042512A	BLK	.256	25.0 mL	Pilot # 127971
	9		LCS	LCS	.258		Pilot # 72
	10		LCSD	LCSD	.255		Pilot # 73
1	11	1	3505835 01		.281		IV 5/23
1	12		07	MS	.285		Pilot #
1	13		08	SD	.277		Pilot #
2		2	02		.262		
3			03		.452		
4		1	04		.399		
5			05		.346		
6			06		.418		
7		5	3505801 01		.261		III 4/27
8			02		.284		
9			03		.254		III 5/30
10		4	3505814 01		.305		II 4/30
11		4	3505817 01		.316		
12		5	02		.280		
13		5	03		.368		
14							
15							
16			4/25/12				
17							
18			QB				
19							
20							

AS Pos #	Calibration Standards			
1	CAL BLANK			
2	CS1	0.200 ug/L	50.0 uL	MET# 45797
3	CS2	0.500 ug/L	125 uL	MET#
4	CS3	1.00 ug/L	25.0 uL	MET# 45798
5	CS4	5.00 ug/L	125 uL	MET#
6	CS5	10.0 ug/L	250 uL	MET#
7	ICV	3.00 ug/L	75.0 uL	MET# 45799

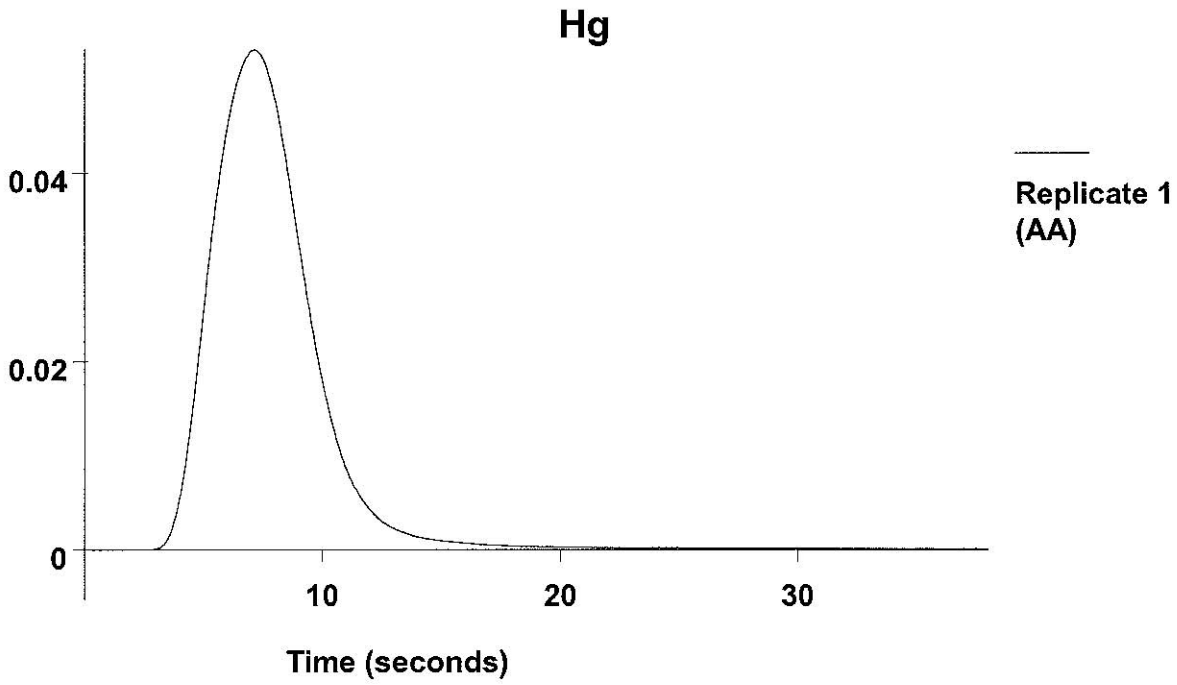
Sample ID: 350583505

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.79	4.79	0.0504	0.2332	0.0507	1 05:42:17	Yes



Element: Hg Seq. No.: 29 AS Loc.: 5 Date: 04/27/2012
Sample ID: CCV

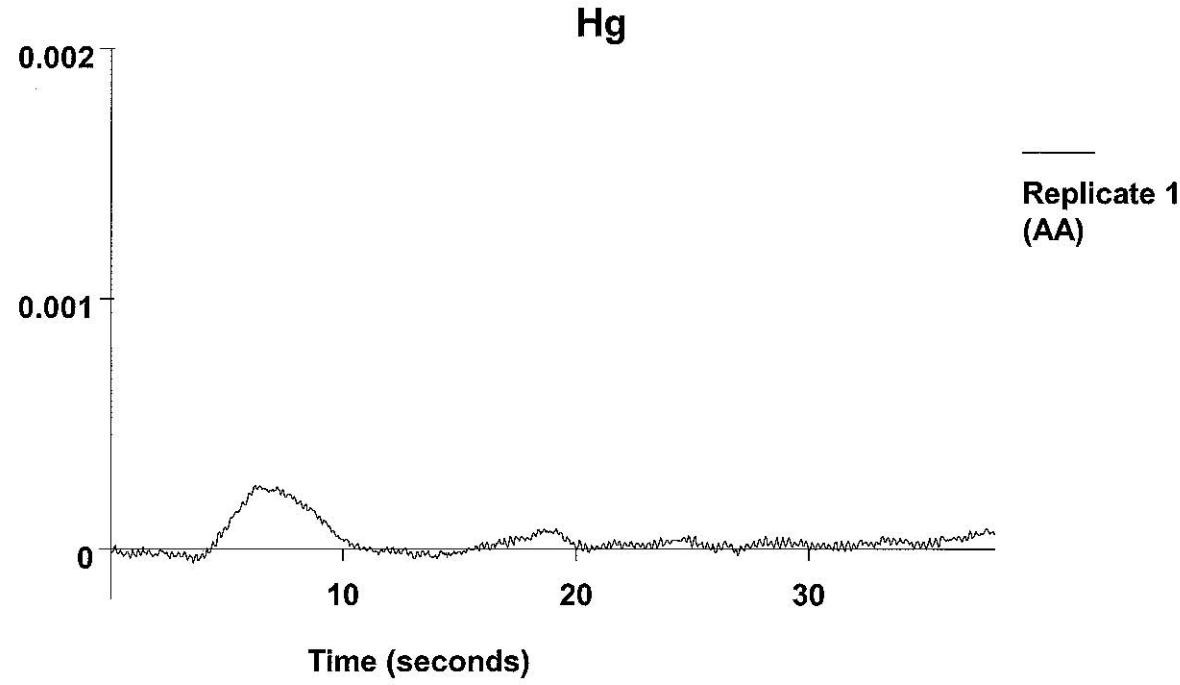
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.99	4.99	0.0525	0.2498	0.0528	1 05:44:04	Yes



QC value within specified limits.

Element: Hg Seq. No.: 30 AS Loc.: 1 Date: 04/27/2012
Sample ID: CCB

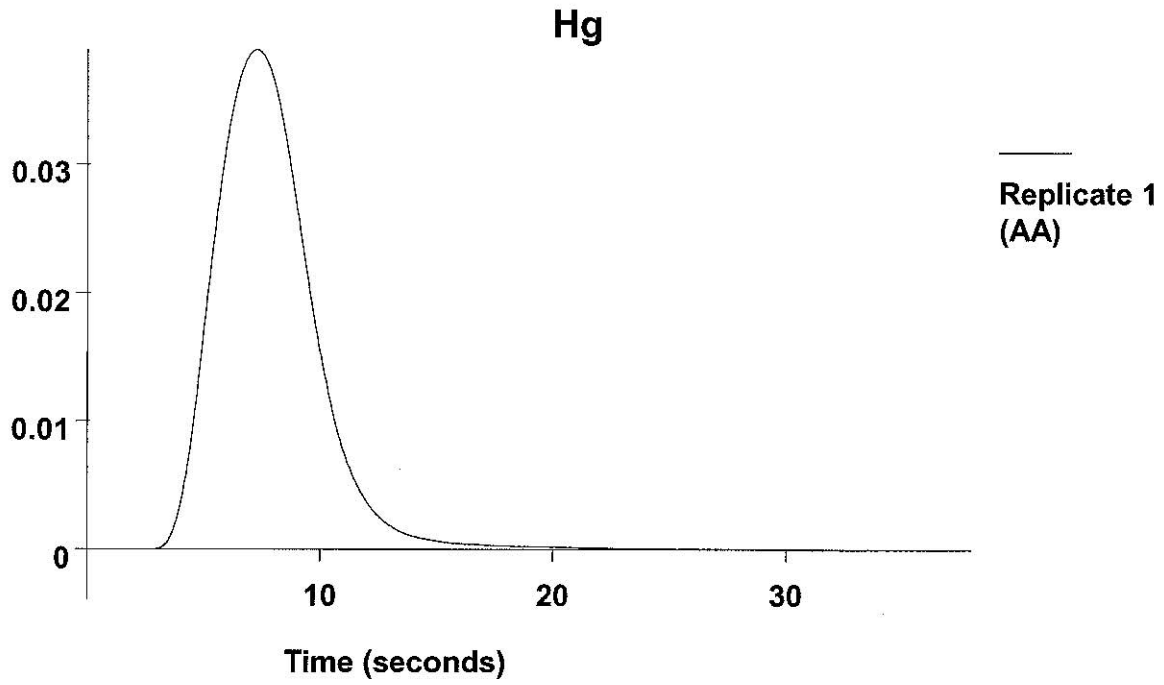
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.010	-0.010	-0.0001	0.0013	0.0002	1 05:45:51	Yes



QC value within specified limits.

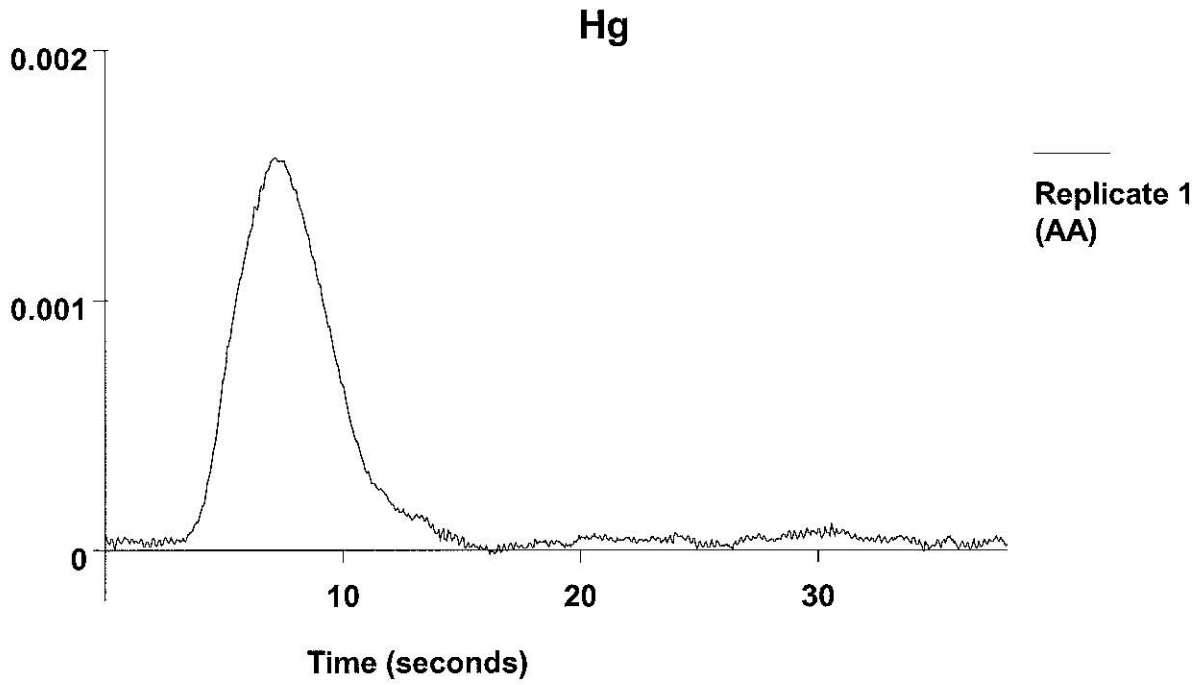
Element: Hg Seq. No.: 31 AS Loc.: 18 Date: 04/27/2012
Sample ID: 350583506

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.65	3.65	0.0384	0.1864	0.0387	1 05:47:39	Yes



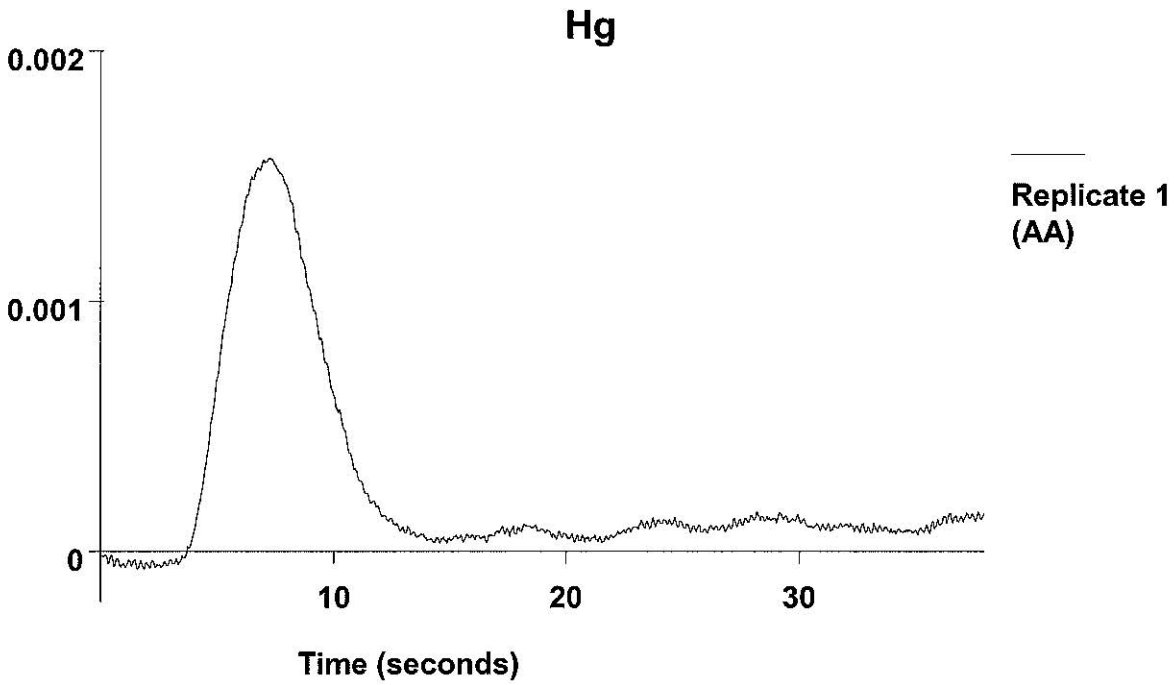
Element: Hg Seq. No.: 32 AS Loc.: 19 Date: 04/27/2012
Sample ID: 350580101

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.116	0.116	0.0013	0.0085	0.0016	1 05:49:25	Yes



Element: Hg Seq. No.: 33 AS Loc.: 20 Date: 04/27/2012
Sample ID: 350580102

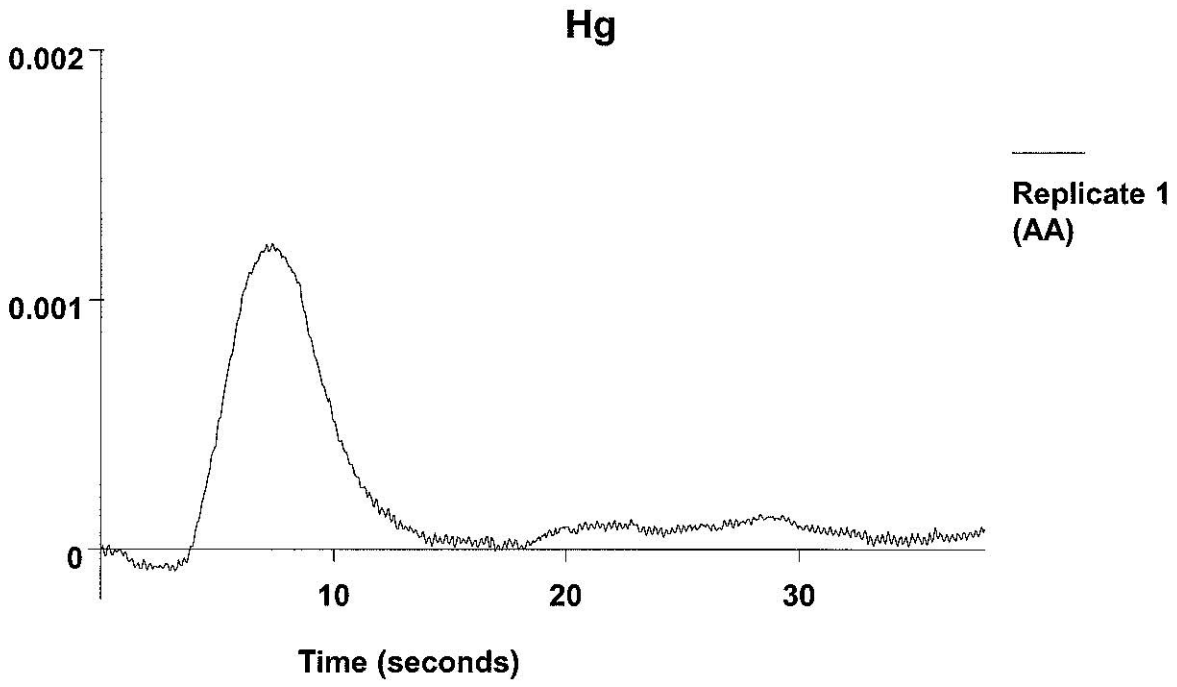
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.115	0.115	0.0013	0.0093	0.0016	1 05:51:11	Yes



Element: Hg Seq. No.: 34 AS Loc.: 21 Date: 04/27/2012

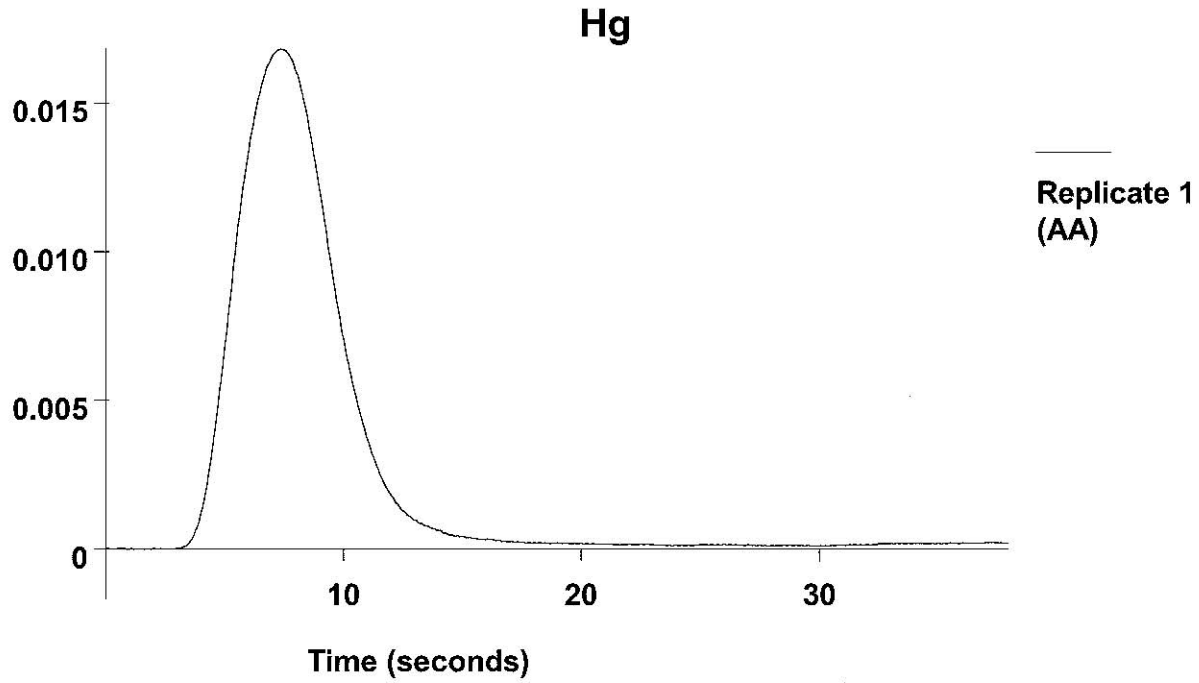
Sample ID: 350580103

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.082	0.082	0.0009	0.0072	0.0012	1 05:52:58	Yes



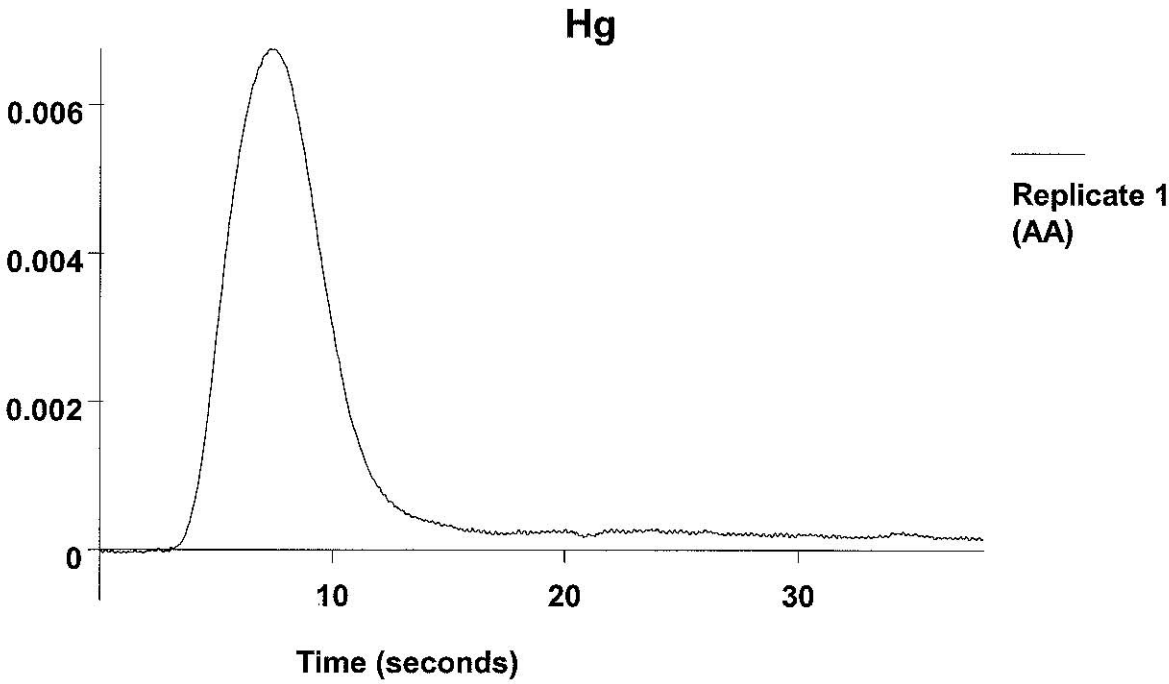
Element: Hg Seq. No.: 35 AS Loc.: 22 Date: 04/27/2012
Sample ID: 350581401

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.56	1.56	0.0164	0.0843	0.0167	1 05:54:44	Yes



Element: Hg Seq. No.: 36 AS Loc.: 23 Date: 04/27/2012
Sample ID: 350581701

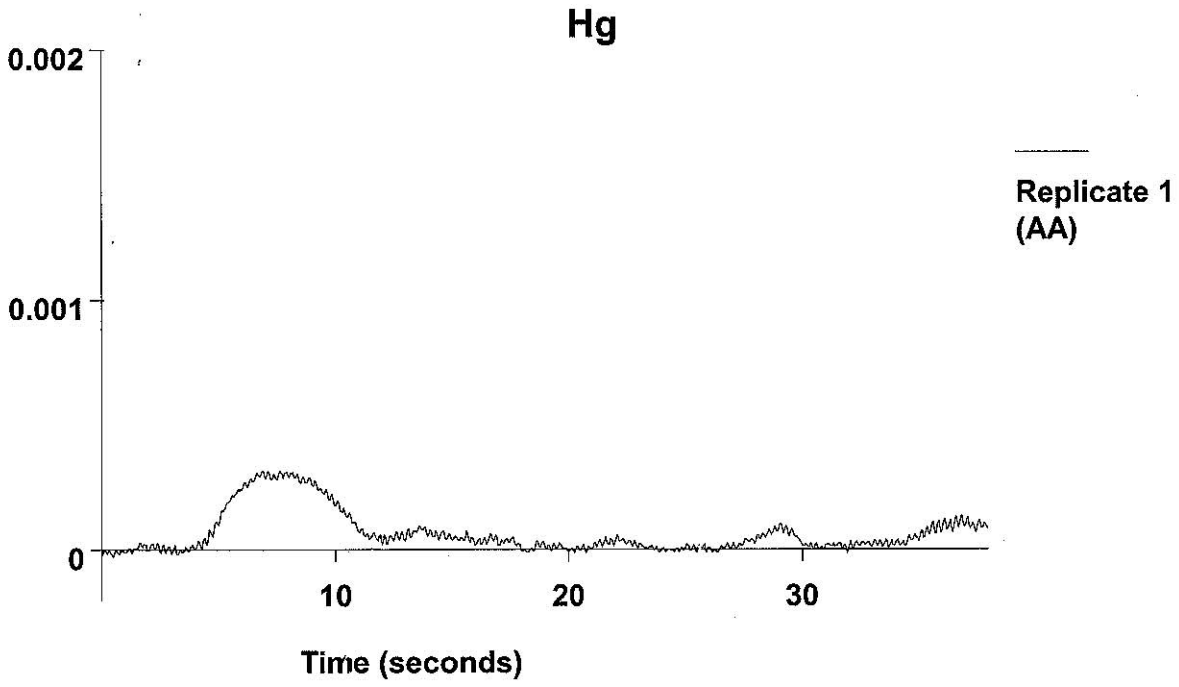
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.606	0.606	0.0064	0.0382	0.0067	1 05:56:31	Yes



Element: Hg Seq. No.: 37 AS Loc.: 24 Date: 04/27/2012

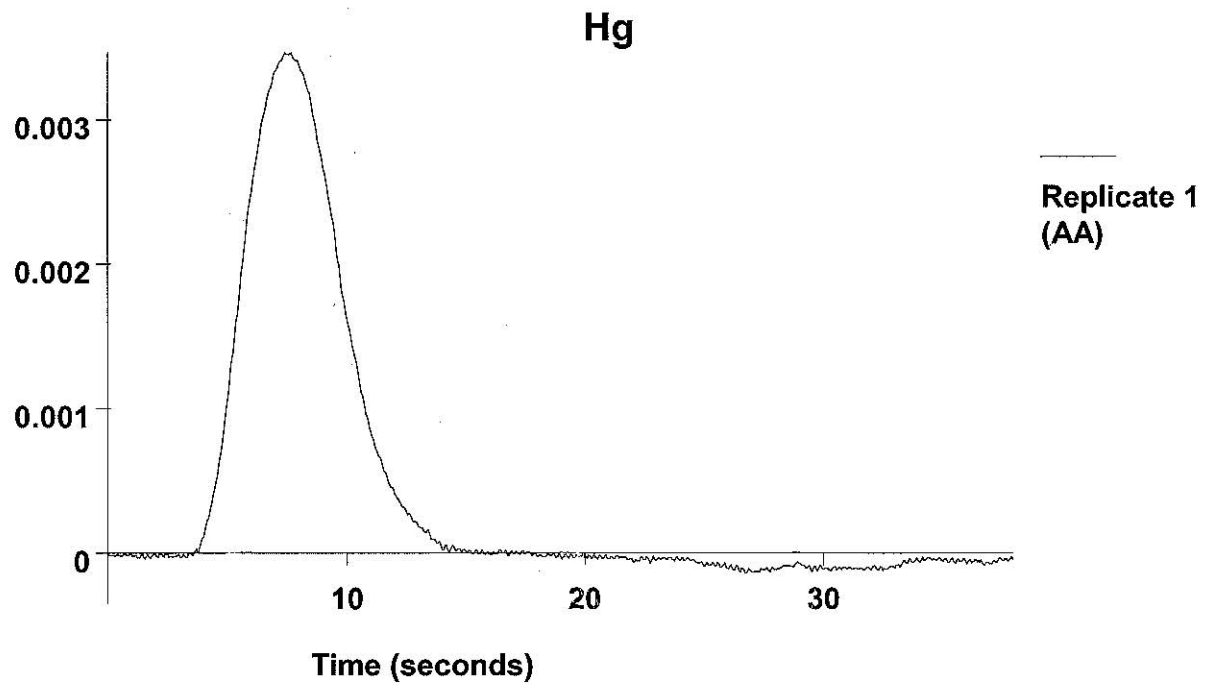
Sample ID: 350581702

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.004	-0.004	0.0000	0.0024	0.0003	1 05:58:19	Yes



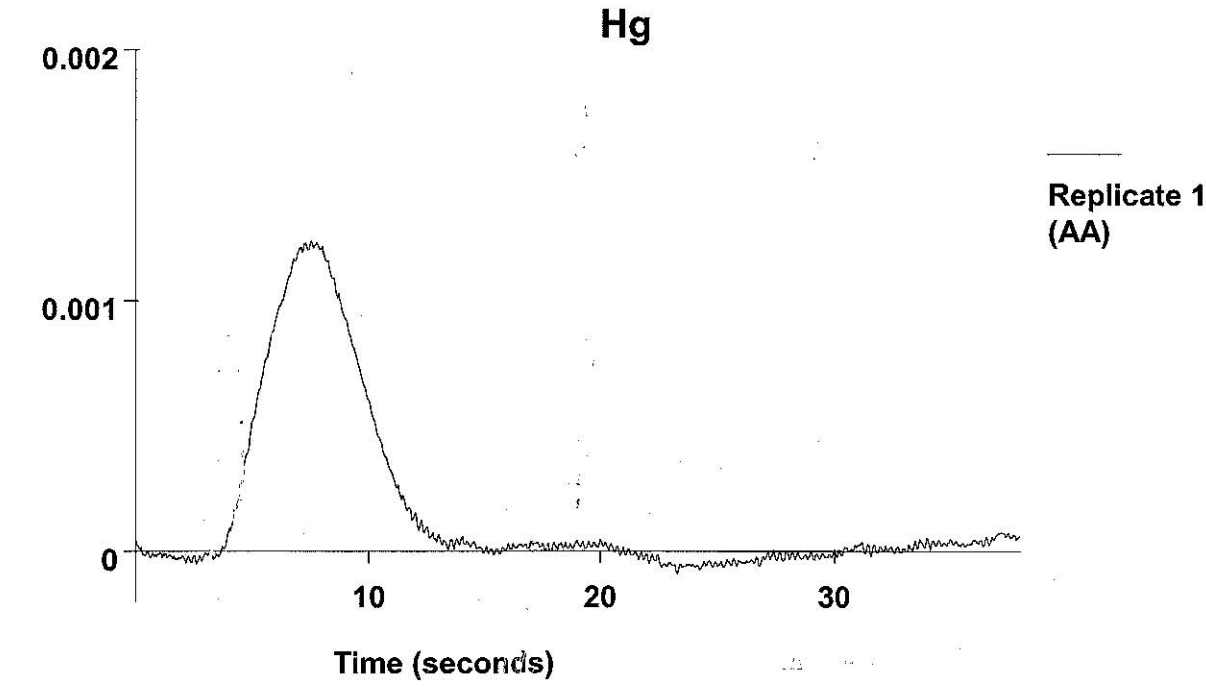
Element: Hg Seq. No.: 38 AS Loc.: 25 Date: 04/27/2012
Sample ID: 350581703

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.294	0.294	0.0031	0.0148	0.0034	1 06:00:07	Yes



Element: Hg Seq. No.: 39 AS Loc.: 26 Date: 04/27/2012
Sample ID: 350583501L

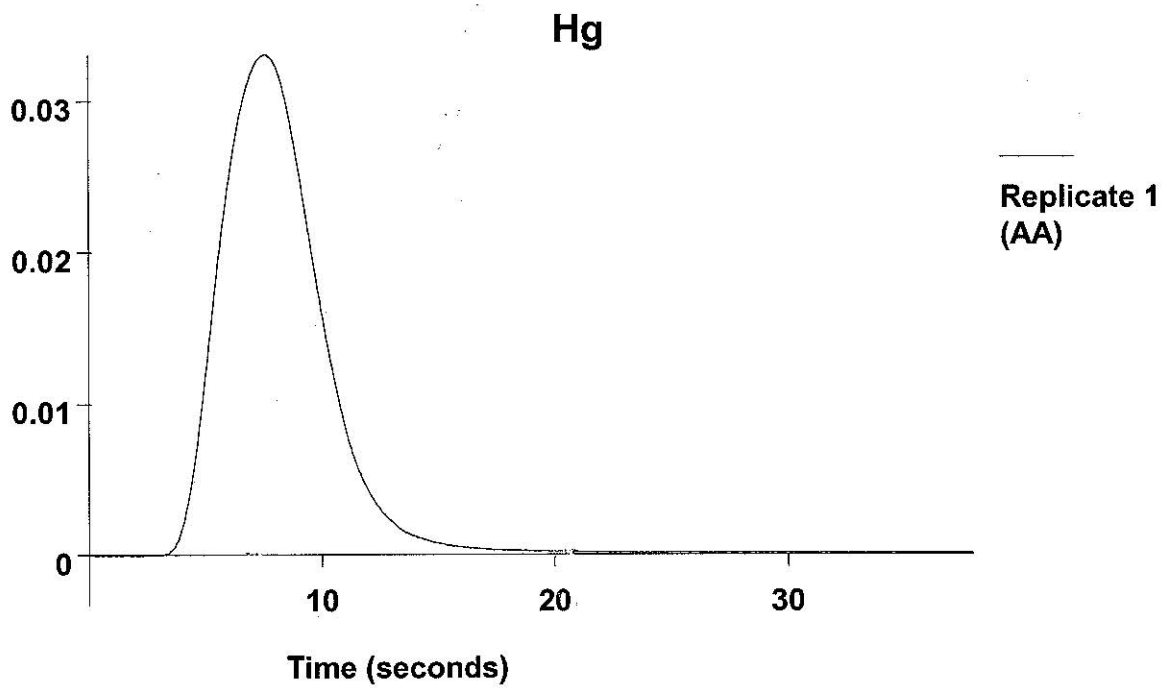
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.084	0.084	0.0009	0.0058	0.0012	1 06:01:56	Yes



Element: Hg Seq. No.: 40 AS Loc.: 27 Date: 04/27/2012

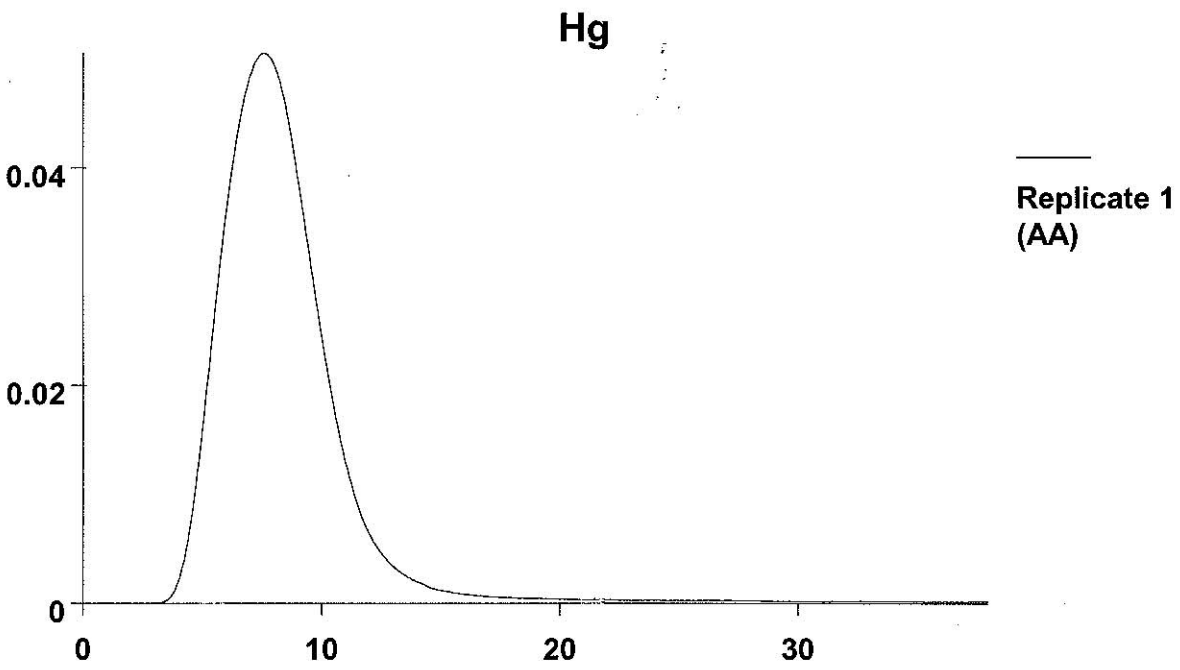
Sample ID: 350583501A

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height		Time	Peak Stored
1	3.10	3.10	0.0326	0.1637	0.0329	1	06:03:46	Yes



Element: Hg Seq. No.: 41 AS Loc.: 5 Date: 04/27/2012
Sample ID: CCV

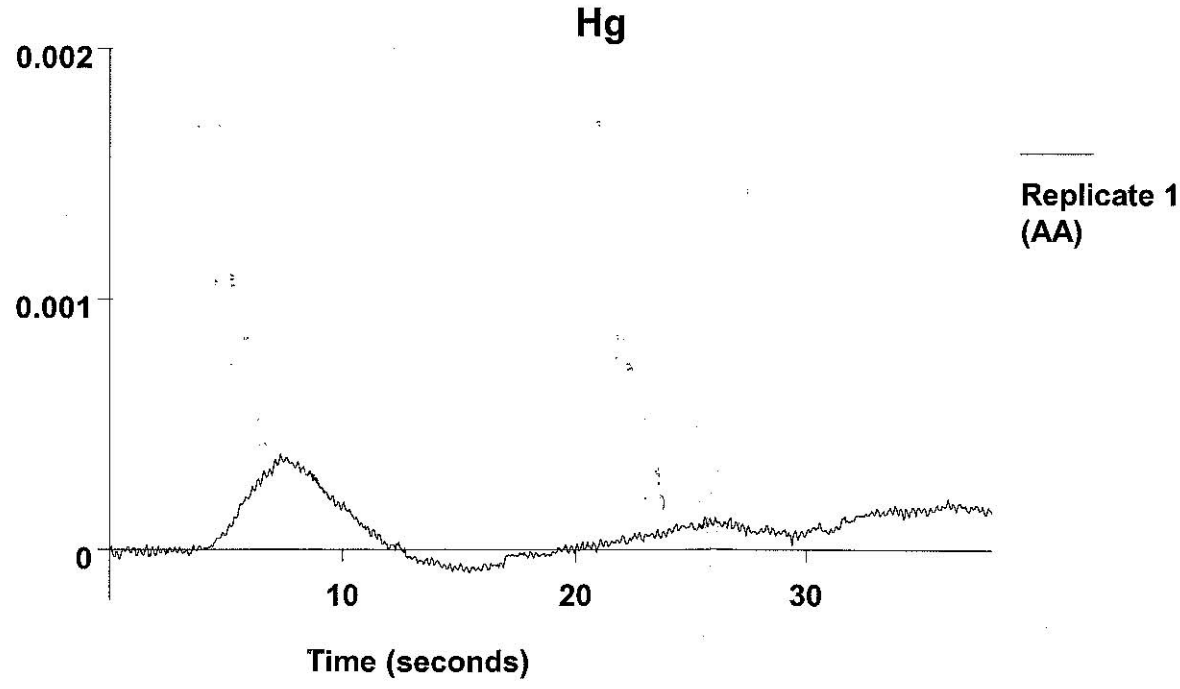
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height		Time	Peak Stored
1	4.76	4.76	0.0500	0.2490	0.0503	1	06:05:35	Yes



QC value within specified limits.

Element: Hg Seq. No.: 42 AS Loc.: 1 Date: 04/27/2012
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.002	0.002	0.0001	0.0029	0.0004	1 06:07:23	Yes



QC value within specified limits.

Seq. No.	1	AS Loc:	1	Date:	4/27/12			
Sample ID:	Calib Blank							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0004	-0.0005	158.2564	0.0004	4.1647	16:23:06
Auto-zero performed.								
Mean:			0.0004					
SD:								
%RSD:								

Seq. No.	2	AS Loc:	2	Date:	4/27/12			
Sample ID:	CS1							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0013	0.0085	158.2646	0.0017	4.1649	16:24:52
[Hg] Standard number 1 applied. [0.100]								
Correlation Coefficient: 1.00000		Slope: 0.01318						
Intercept : 0.00000								
Mean:			0.0013					
SD:								
%RSD:								

Seq. No.	3	AS Loc:	3	Date:	4/27/12			
Sample ID:	CS2							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0043	0.0209	158.2787	0.0047	4.1652	16:26:40
[Hg] Standard number 2 applied. [0.500]								
Correlation Coefficient: 0.99367		Slope: 0.00830						
Intercept : 0.00022								
Mean:			0.0043					
SD:								
%RSD:								

Seq. No.	4	AS Loc:	4	Date:	4/27/12			
Sample ID:	CS3							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0094	0.0476	158.2947	0.0098	4.1657	16:28:30
[Hg] Standard number 3 applied. [1.00]								
Correlation Coefficient: 0.99752		Slope: 0.00917						
Intercept : 0.00009								
Mean:			0.0094					
SD:								
%RSD:								

Seq. No.	5	AS Loc:	5	Date:	4/27/12			
Sample ID:	CS4							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0389	0.2215	158.3170	0.0393	4.1662	16:30:20
[Hg] Standard number 4 applied. [5.00]								
Correlation Coefficient: 0.99919		Slope: 0.00769						
Intercept : 0.00064								
Mean:			0.0389					
SD:								
%RSD:								

Seq. No.	6	AS Loc:	6	Date:	4/27/12			
Sample ID:	CS5							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0689	0.3925	158.3339	0.0693	4.1667	16:32:12
[Hg] Standard number 5 applied. [10.0]								
Correlation Coefficient: 0.99802		Slope: 0.00691						
Intercept : 0.00135								
Mean:			0.0689					
SD:								
%RSD:								

Seq. No.	7	AS Loc:	7	Date:	4/27/12			
Sample ID:	ICV							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	2.47µg/L	2.47µg/L	0.0184	0.1030	158.3413	0.0188	4.1669	16:34:09
Mean:	2.47µg/L	2.47µg/L	0.0184					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	8	AS Loc:	7	Date:	4/27/12			
Sample ID:	ICV							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	4.71µg/L	4.71µg/L	0.0339	0.1491	158.4035	0.0343	4.1685	16:59:02
QC failed, value greater than upper limit for Hg.								
Current analysis method stopped.								
Mean:	4.71	4.71	0.0339					
SD:	0.000	0.000						
%RSD:								

Seq. No.	9	AS Loc:	1	Date:	4/27/12			
Sample ID:	Calib Blank							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0003	0.0034	158.3874	0.0003	4.1681	17:07:43
Auto-zero performed.								
Mean:			0.0003					
SD:								
%RSD:								

Seq. No.	10	AS Loc:	2	Date:	4/27/12			
Sample ID:	CS1							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0015	0.0061	158.3758	0.0018	4.1678	17:09:31
[Hg] Standard number 1 applied. [0.100]								
Correlation Coefficient: 1.00000		Slope: 0.01482						
Intercept : 0.00000								
Mean:			0.0015					
SD:								
%RSD:								

Seq. No.	11	AS Loc:	3	Date:	4/27/12			
Sample ID:	CS2							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg			0.0043	0.0201	158.3689	0.0046	4.1676	17:11:19
[Hg] Standard number 2 applied. [0.500]								
Correlation Coefficient: 0.98765		Slope: 0.00812						

Intercept : 0.00030

Mean: 0.0043
SD:
%RSD:

Seq. No. 12 **AS Loc:** 4 **Date:** 4/27/12
Sample ID: CS3

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0108	0.0530	158.3714	0.0111	4.1677	17:13:07

[Hg] Standard number 3 applied. [1.00]
Correlation Coefficient: 0.99131 Slope: 0.01041
Intercept : -0.00003

Mean: 0.0108
SD:
%RSD:

Seq. No. 13 **AS Loc:** 5 **Date:** 4/27/12
Sample ID: CS4

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.0535	0.2423	158.3678	0.0538	4.1676	17:14:57

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99969 Slope: 0.01072
Intercept : -0.00014

Mean: 0.0535
SD:
%RSD:

Seq. No. 14 **AS Loc:** 6 **Date:** 4/27/12
Sample ID: CS5

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg			0.1048	0.4787	158.3607	0.1051	4.1674	17:16:47

[Hg] Standard number 5 applied. [10.0]
Correlation Coefficient: 0.99987 Slope: 0.01051
Intercept : 0.00005

Mean: 0.1048
SD:
%RSD:

Seq. No. 15 **AS Loc:** 7 **Date:** 4/27/12
Sample ID: ICV

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.15µg/L	3.15µg/L	0.0332	0.1543	158.3571	0.0335	4.1673	17:18:44

QC value within specified limits.

Mean:	3.15µg/L	3.15µg/L	0.0332
SD:	0.000µg/L	0.000µg/L	
%RSD:			

Seq. No. 16 **AS Loc:** 1 **Date:** 4/27/12
Sample ID: ICB

Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.010µg/L	-0.010µg/L	-0.0001	0.0011	158.3515	0.0002	4.1671	17:20:34

QC value within specified limits.

Mean:	-0.010µg/L	-0.010µg/L	-0.0001
SD:	0.000µg/L	0.000µg/L	
%RSD:			

Seq. No.	17	AS Loc:	5	Date:	4/27/12			
Sample ID:	CCV							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	5.16µg/L	5.16µg/L	0.0543	0.2473	158.3455	0.0546	4.1670	17:22:21
QC value within specified limits.								
Mean:	5.16µg/L	5.16µg/L	0.0543					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	18	AS Loc:	1	Date:	4/27/12			
Sample ID:	CCB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.008µg/L	-0.008µg/L	-0.0000	0.0011	158.3491	0.0003	4.1671	17:24:08
QC value within specified limits.								
Mean:	-0.008µg/L	-0.008µg/L	-0.0000					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	19	AS Loc:	8	Date:	4/27/12			
Sample ID:	127971MB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.026µg/L	-0.026µg/L	-0.0002	-0.0030	158.3517	0.0001	4.1671	17:25:57
Mean:	-0.026µg/L	-0.026µg/L	-0.0002					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	20	AS Loc:	9	Date:	4/27/12			
Sample ID:	127972LCS							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.09µg/L	3.09µg/L	0.0325	0.1536	158.3571	0.0328	4.1673	17:27:45
Mean:	3.09µg/L	3.09µg/L	0.0325					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	21	AS Loc:	10	Date:	4/27/12			
Sample ID:	127973LCSD							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.07µg/L	3.07µg/L	0.0323	0.1519	158.3573	0.0326	4.1673	17:29:32
Mean:	3.07µg/L	3.07µg/L	0.0323					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	22	AS Loc:	11	Date:	4/27/12			
Sample ID:	350583501							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.509µg/L	0.509µg/L	0.0054	0.0291	158.3607	0.0057	4.1674	17:31:19
Mean:	0.509µg/L	0.509µg/L	0.0054					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	23	AS Loc:	12	Date:	4/27/12			
Sample ID:	350583507							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.29µg/L	3.29µg/L	0.0346	0.1653	158.3573	0.0349	4.1673	17:33:07

Mean:	3.29µg/L	3.29µg/L	0.0346					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	24	**AS Loc:**	13	**Date:**	4/27/12			
Sample ID:	350583508							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	3.28µg/L	3.28µg/L	0.0345	0.1650	158.3607	0.0348	4.1674	17:34:56
Mean:	3.28µg/L	3.28µg/L	0.0345					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	25	**AS Loc:**	14	**Date:**	4/27/12			
Sample ID:	350583502							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.477µg/L	0.477µg/L	0.0051	0.0246	158.3565	0.0054	4.1673	17:36:47
Mean:	0.477µg/L	0.477µg/L	0.0051					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	26	**AS Loc:**	15	**Date:**	4/27/12			
Sample ID:	350583503							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.563µg/L	0.563µg/L	0.0060	0.0276	158.3527	0.0063	4.1672	17:38:37
Mean:	0.563µg/L	0.563µg/L	0.0060					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	27	**AS Loc:**	16	**Date:**	4/27/12			
Sample ID:	350583504							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.739µg/L	0.739µg/L	0.0078	0.0370	158.3526	0.0081	4.1672	17:40:28
Mean:	0.739µg/L	0.739µg/L	0.0078					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	28	**AS Loc:**	17	**Date:**	4/27/12			
Sample ID:	350583505							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	4.79µg/L	4.79µg/L	0.0504	0.2332	158.3607	0.0507	4.1674	17:42:17
Mean:	4.79µg/L	4.79µg/L	0.0504					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	29	**AS Loc:**	5	**Date:**	4/27/12			
Sample ID:	CCV							
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	4.99µg/L	4.99µg/L	0.0525	0.2498	158.3689	0.0528	4.1676	17:44:04
QC value within specified limits.								
Mean:	4.99µg/L	4.99µg/L	0.0525					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	30	AS Loc:	1	Date:	4/27/12			
Sample ID:	CCB							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	-0.010µg/L	-0.010µg/L	-0.0001	0.0013	158.3721	0.0002	4.1677	17:45:51
QC value within specified limits.								
Mean:	-0.010µg/L	-0.010µg/L	-0.0001					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	31	AS Loc:	18	Date:	4/27/12			
Sample ID:	350583506							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	3.65µg/L	3.65µg/L	0.0384	0.1864	158.3652	0.0387	4.1675	17:47:39
Mean:	3.65µg/L	3.65µg/L	0.0384					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	32	AS Loc:	19	Date:	4/27/12			
Sample ID:	350580101							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.116µg/L	0.116µg/L	0.0013	0.0085	158.3645	0.0016	4.1675	17:49:25
Mean:	0.116µg/L	0.116µg/L	0.0013					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	33	AS Loc:	20	Date:	4/27/12			
Sample ID:	350580102							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.115µg/L	0.115µg/L	0.0013	0.0093	158.3605	0.0016	4.1674	17:51:11
Mean:	0.115µg/L	0.115µg/L	0.0013					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	34	AS Loc:	21	Date:	4/27/12			
Sample ID:	350580103							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.082µg/L	0.082µg/L	0.0009	0.0072	158.3455	0.0012	4.1670	17:52:58
Mean:	0.082µg/L	0.082µg/L	0.0009					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	35	AS Loc:	22	Date:	4/27/12			
Sample ID:	350581401							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	1.56µg/L	1.56µg/L	0.0164	0.0843	158.3297	0.0167	4.1666	17:54:44
Mean:	1.56µg/L	1.56µg/L	0.0164					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	36	AS Loc:	23	Date:	4/27/12			
Sample ID:	350581701							
Elem	SampleConc	StndConc	Blank Corr Signal	Pk Area	BG Area	Pk Ht	BG Ht	Time
Hg	0.606µg/L	0.606µg/L	0.0064	0.0382	158.3179	0.0067	4.1663	17:56:31

Mean:	0.606µg/L	0.606µg/L	0.0064					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	37	**AS Loc:**	24	**Date:**	4/27/12		
Sample ID:	350581702						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	-0.004µg/L	-0.004µg/L	0.0000	0.0024	158.3133	0.0003	4.1661	17:58:19
Mean:	-0.004µg/L	-0.004µg/L	0.0000					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	38	**AS Loc:**	25	**Date:**	4/27/12		
Sample ID:	350581703						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.294µg/L	0.294µg/L	0.0031	0.0148	158.3135	0.0034	4.1661	18:00:07
Mean:	0.294µg/L	0.294µg/L	0.0031					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	39	**AS Loc:**	26	**Date:**	4/27/12		
Sample ID:	350583501L						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.084µg/L	0.084µg/L	0.0009	0.0058	158.3141	0.0012	4.1662	18:01:56
Mean:	0.084µg/L	0.084µg/L	0.0009					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	40	**AS Loc:**	27	**Date:**	4/27/12		
Sample ID:	350583501A						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	3.10µg/L	3.10µg/L	0.0326	0.1637	158.3063	0.0329	4.1660	18:03:46
Mean:	3.10µg/L	3.10µg/L	0.0326					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	41	**AS Loc:**	5	**Date:**	4/27/12		
Sample ID:	CCV						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	4.76µg/L	4.76µg/L	0.0500	0.2490	158.2984	0.0503	4.1657	18:05:35
QC value within specified limits.								
Mean:	4.76µg/L	4.76µg/L	0.0500					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

Seq. No.	42	**AS Loc:**	1	**Date:**	4/27/12		
Sample ID:	CCB						
Elem	**SampleConc**	**StndConc**	**Blank Corr Signal**	**Pk Area**	**BG Area**	**Pk Ht**	**BG Ht**	**Time**
Hg	0.002µg/L	0.002µg/L	0.0001	0.0029	158.2866	0.0004	4.1654	18:07:23
QC value within specified limits.								
Mean:	0.002µg/L	0.002µg/L	0.0001					
SD:	0.000µg/L	0.000µg/L						
%RSD:								

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
39044	Mercury_CAL_STK	High Purity	1030115	7/4/2012	125 mL	1/6/2011	ggalvis

1000 UG/ML: Mercury

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
39045	Mercury_ICV_STK	CPI international	09I049	7/5/2012	125 ml	1/12/2011	ggalvis

1000 UG/ML: Mercury

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45139	HNO3	fisher	1111101	11/30/2014	2.5 L	12/11/2011	ddthompson

3505835

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45797	Mercury_Low_Working			7/4/2012	10 ML	4/11/2012	jbowman

100 UG/L: Mercury

COMPOSED OF:

45139: 1 ML 45798: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45798	Mercury_High_Working			7/4/2012	100 ML	4/11/2012	jbowman

1000 UG/L: Mercury

COMPOSED OF:

39044: 0.1 ML 45139: 0.1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45799	Mercury_ICV_Working			7/4/2012	100 ML	4/11/2012	jbowman

1000 UG/L: Mercury

2942

STANDARDS LOG

COMPOSED OF:

39045: 0.1 ML 45139: 0.1 ML

3505835

2943

Raw Data Inorganics/Wet Chemistry

Spectrum Lab

Soil Prep Worksheet

Technician	DT.
Prep Date	04/30/12
Prep Time	9:20
Batch #	9269

Analyte	Chloride	Ammonia	Nitrate / Nitrite	Phosphate
Method #	325.2	350.1	353.2	365.4

Circle applicable Analyte and Method

Sulfate	Sulfide	Hex Chrom	TOX	IC Anions
375.4	376.1	7196A	9251	9056A

TOC
9060 MOD

Lab ID	Sample #	Sample Wt. (mg)	Volume DI (mL)	Spike Vol. (mL)
PBA	1	0.00	0	NA
LCS	2	4.5		4.8
LCSD	3	4.8		4.8
3505835 01	4	21.8		0
02	5	29.5		
03	6	24.7		
04	7	24		
05	8	13.4		
06	9	12.00		
060dup	10	11.50		

Spike Data -- Lab Control Spike

Method #	IS #	Spike Vol. (mL)	Volume DI (mL)	Conc. (ppm)
325.2				
350.1				
353.2				
365.4				
375.4				
376.1				
7196A				
9251				
9056A				

9060mod 44239 4.8mg 2.00ppm

Spike Data -- Lab Control Spike

Method #	IS #	Spike Vol. (mL)	Volume DI (mL)	Conc. (ppm)
325.2				
350.1				
353.2				
365.4				
375.4				
376.1				
7196A				
9251				
9056A				

3505835

2945

Instr.Information

System	TOC w/ SSM
Instrument Options	TOC/SSM/
Catalyst	Regular Sensitivity

Cal. Curve

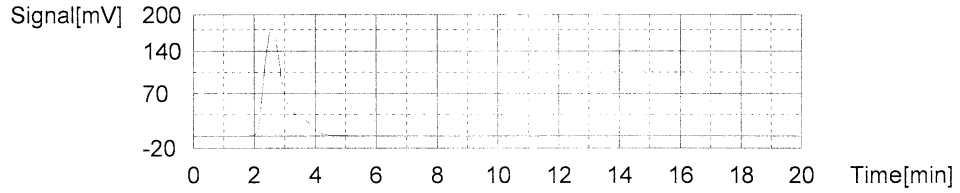
Sample Name:	5mg Sucrose
Sample ID:	5mg Sucrose by 415.1-9060MOD-SM5310MOD-IS# # 44240
Cal. Curve:	5mg Sucrose.2012_01_30_11_34_10.cal
Status	Completed

Type	Anal.
Standard	SSM-TC

AbsC: 5000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	833.9	833.9	5000ug	11.90mg	*******		1/30/2012 11:46:12 AM

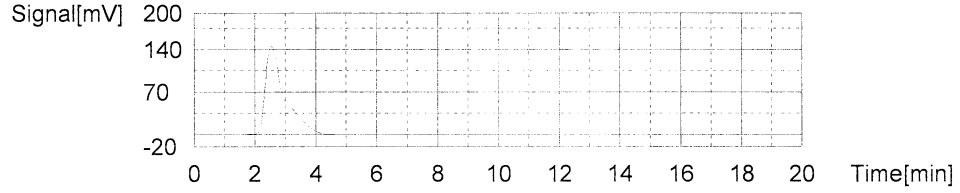
Mean Area 833.9
Mean CNV 833.9



AbsC: 4000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	644.9	644.9	4000ug	9.500mg	*******		1/30/2012 11:53:59 AM

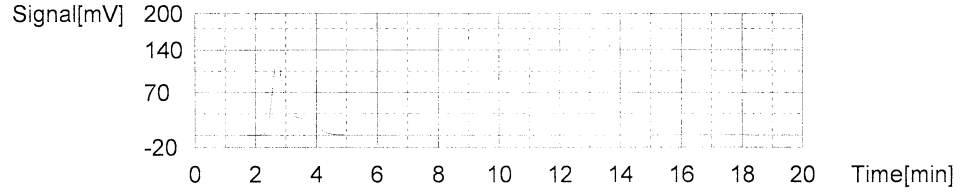
Mean Area 644.9
Mean CNV 644.9



AbsC: 3000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	494.7	494.7	3000ug	7.100mg	*******		1/30/2012 12:01:33 PM

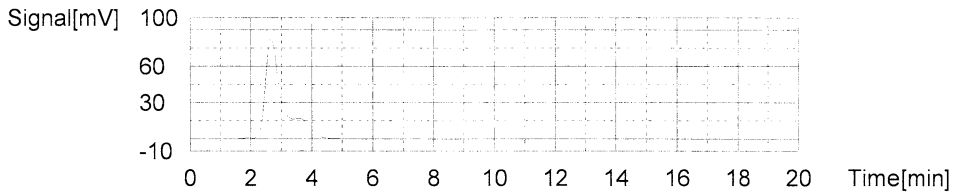
Mean Area 494.7
Mean CNV 494.7



AbsC: 2000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	335.0	335.0	2000ug	4.800mg	*******		1/30/2012 12:08:56 PM

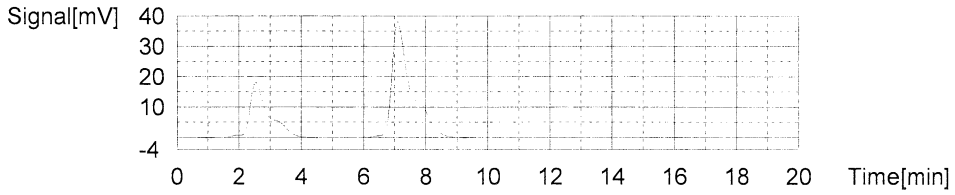
Mean Area 335.0
Mean CNV 335.0



AbsC: 1000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	76.98	76.98	1000ug	2.400mg	*******	E	1/30/2012 12:17:51 PM
2	163.7	163.7	1000ug	2.400mg	*******		1/30/2012 1:03:43 PM

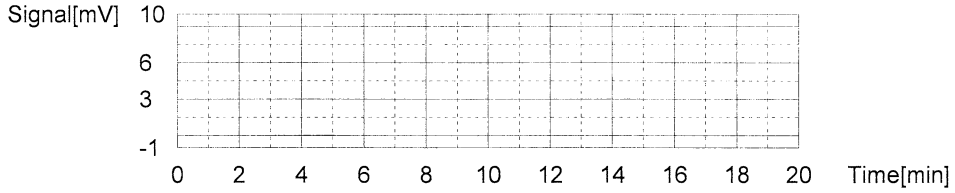
Mean Area 163.7
Mean CNV 163.7



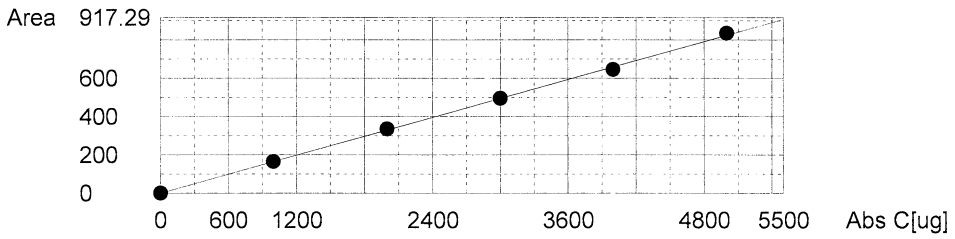
AbsC: 0.000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	0.000	0.000	0.000ug	0.000mg	*******		1/30/2012 1:15:06 PM

Mean Area 0.000
Mean CNV 0.000



Slope: 0.1649
Intercept 0.000
r^2 0.9993
r 0.9997
Zero Shift Yes



Control Sample

Sample Name: ICV
Sample ID: ICV IS# # 44239
Method: ICVsoil - TOC by 415.1-9060-SM5310B.tpl
Status Completed
Chk. Result Control value: 2.148 / Control within range!

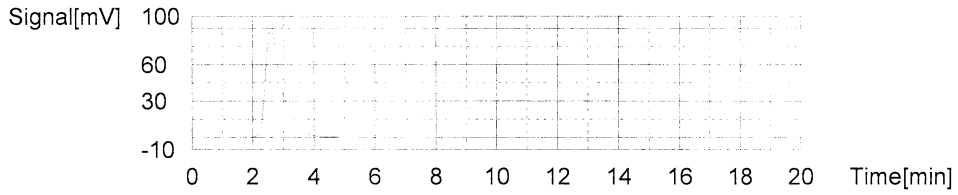
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	354.3	354.3	2148ug	2.148mg	4.800mg	4uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 11:10:31 AM

Mean Area	354.3
Mean CNV	354.3
Mean Conc.	2.148mg



Control Sample

Sample Name:	ICB
Sample ID:	ICB
Method:	ICBsoil - TOC by 415.1-9060-SM5310B.tpl
Status	Completed
Chk. Result	Control value: 0.000 / Control within range!

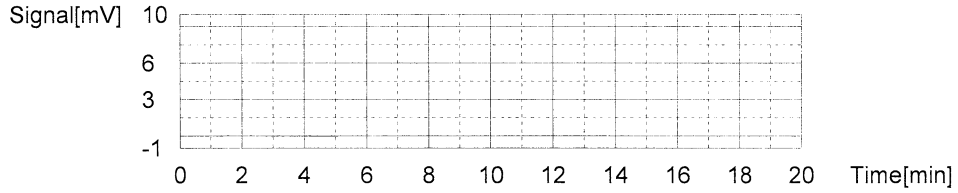
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000mg	0.000mg	0uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 11:18:10 AM

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	0.000mg



Control Sample

Sample Name:	MB
Sample ID:	MB
Method:	MBsoil - TOC by 415.1-9060-SM5310B.tpl
Status	Completed
Chk. Result	Control value: 0.000 / Control within range!

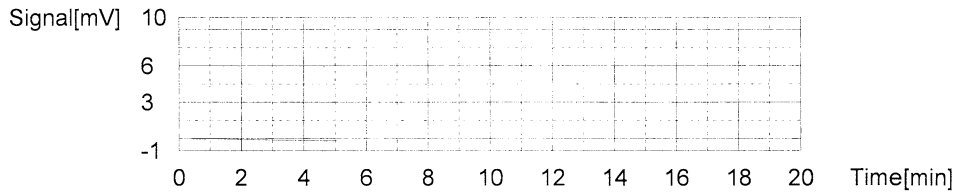
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000mg	0.000mg	0uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 11:27:12 AM

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	0.000mg



Control Sample

Sample Name:	LCS
Sample ID:	LCS IS#44239
Method:	LCSsoil - TOC by 415.1-9060-SM5310B.tpl
Status	Completed
Chk. Result	Control value: 1.927 / Control within range!

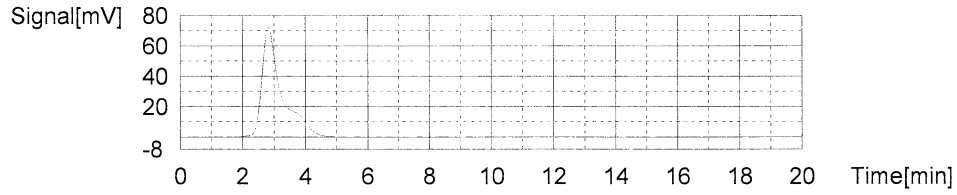
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	317.9	317.9	1927ug	1.927mg	4.800mg	4uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 12:25:19 PM

Mean Area	317.9
Mean CNV	317.9
Mean Conc.	1.927mg



Control Sample

Sample Name:	LCSD
Sample ID:	LCSD IS# 44239
Method:	LCSsoil - TOC by 415.1-9060-SM5310B.tpl
Status	Completed
Chk. Result	Control value: 1.937 / Control within range!

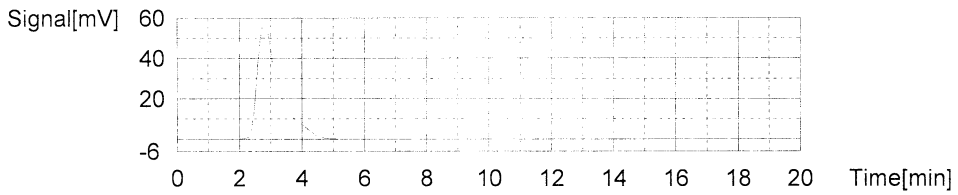
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	278.5	278.5	1937ug	1.937mg	4.800mg	4uL		5mg Sucrose 10-19-09.2010_03_03_12_08_24	30/2012 1:30:01 PM

Mean Area	278.5
Mean CNV	278.5
Mean Conc.	1.937mg



Sample

Sample Name:	350583501
Sample ID:	350583501
Origin:	TOC soil by 415.1-9060-SM5310B.met
Status	Completed
Chk. Result	

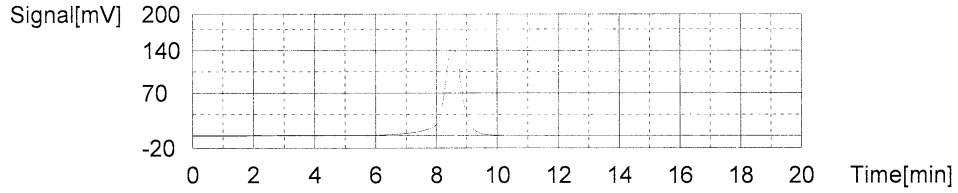
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:3.942mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	650.1	650.1	3942ug	3.942mg	21.80mg	21uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 1:49:55 PM

Mean Area	650.1
Mean CNV	650.1
Mean Conc.	3.942mg



Sample

Sample Name:	350583502
Sample ID:	350583502
Origin:	TOC soil by 415.1-9060-SM5310B.met
Status	Completed
Chk. Result	

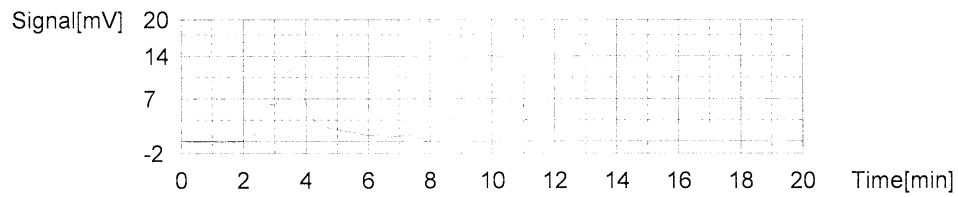
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.6269mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	103.4	103.4	626.9ug	0.6269mg	29.50mg	29uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 1:59:44 PM

Mean Area	103.4
Mean CNV	103.4
Mean Conc.	0.6269mg



Sample

Sample Name: 350583503
Sample ID: 350583503
Origin: TOC soil by 415.1-9060-SM5310B.met
Status Completed
Chk. Result

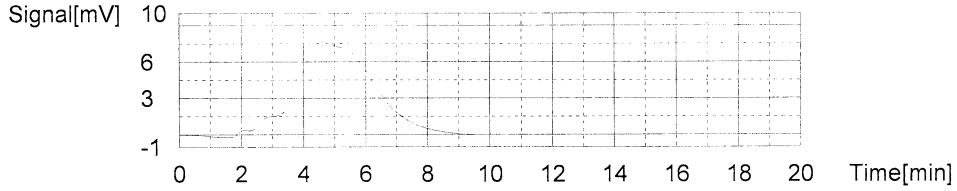
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.8324mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	137.3	137.3	832.4ug	0.8324mg	24.70mg	24uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 2:14:21 PM

Mean Area 137.3
Mean CNV 137.3
Mean Conc. 0.8324mg



Sample

Sample Name: 350583504
Sample ID: 350583504
Origin: TOC soil by 415.1-9060-SM5310B.met
Status Completed
Chk. Result

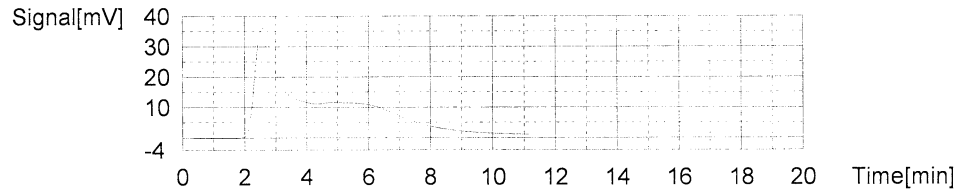
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:2.738mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	451.6	451.6	2738ug	2.738mg	24.00mg	24uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 2:27:01 PM

Mean Area 451.6
Mean CNV 451.6
Mean Conc. 2.738mg



Sample

Sample Name: 350583505
Sample ID: 350583505
Origin: TOC soil by 415.1-9060-SM5310B.met
Status Completed
Chk. Result

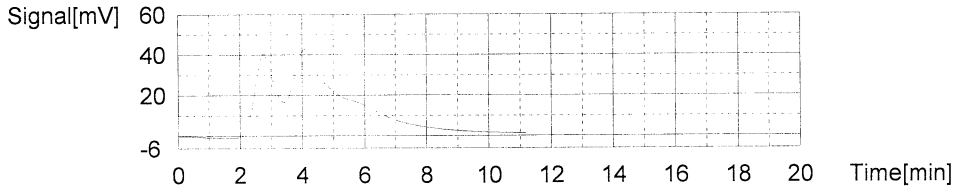
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4.288mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	707.2	707.2	4288ug	4.288mg	13.40mg	13uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 3:42:08 PM

Mean Area 707.2
Mean CNV 707.2
Mean Conc. 4.288mg



Sample

Sample Name: 350583506
Sample ID: 350583506
Origin: TOC soil by 415.1-9060-SM5310B.met
Status Completed
Chk. Result

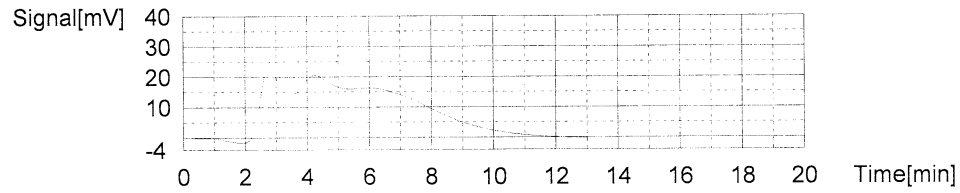
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4.078mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	672.6	672.6	4078ug	4.078mg	12.00mg	12uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 3:58:31 PM

Mean Area 672.6
Mean CNV 672.6
Mean Conc. 4.078mg



Sample

Sample Name: 350583506DUP
Sample ID: 350583506DUP
Origin: TOC soil by 415.1-9060-SM5310B.met
Status Completed
Chk. Result

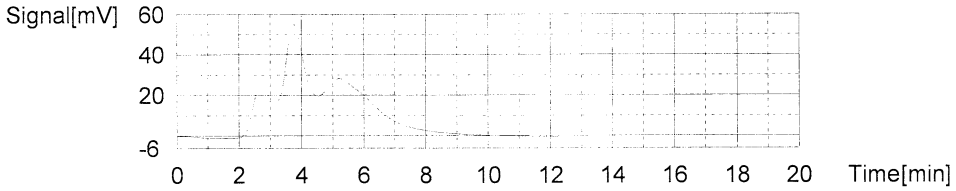
Type	Anal.	Manual Dilution	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4.567mg

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	753.2	753.2	4567ug	4.567mg	11.50mg	11uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 4:14:10 PM

Mean Area 753.2
Mean CNV 753.2
Mean Conc. 4.567mg



Control Sample

Sample Name: CCV
Sample ID: CCV IS# 44240
Method: CCVsoil - TOC by 415.1-9060-SM5310B.tpl
Status Completed
Chk. Result Control value: 2.054 / Control within range!

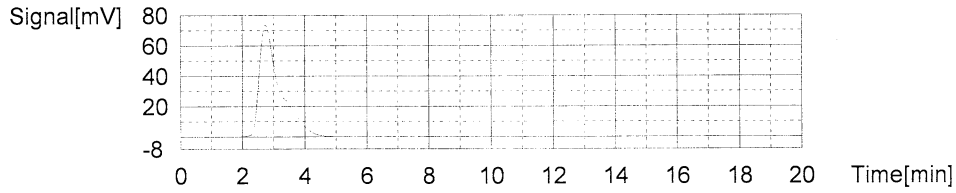
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	338.8	338.8	2054ug	2.054mg	4.800mg	4uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 5:05:59 PM

Mean Area 338.8
Mean CNV 338.8
Mean Conc. 2.054mg



Control Sample

Sample Name: CCB
Sample ID: CCB
Method: CCBsoil - TOC by 415.1-9060-SM5310B.tpl
Status Completed
Chk. Result Control value: 0.000 / Control within range!

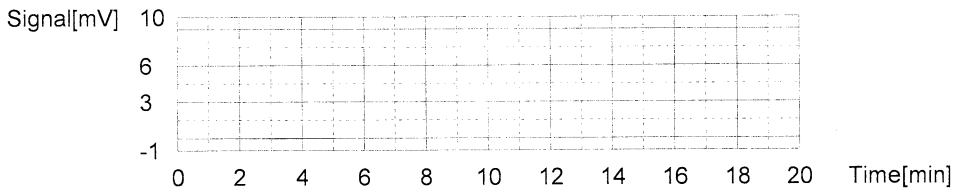
Type	Anal.	Manual Dilution	Density
Control	SSM-TC	1.000	1.000mg/uL

1. Det.

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000mg	0.000mg	0uL		5mg Sucrose.2012_01_30_11_34_10.cal	4/30/2012 5:19:55 PM

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	0.000mg



STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44239	Sucrose	Office Snax	0	12/15/2012	500 G	12/15/2011	ddthompson
8.33 MG/G: TOC							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44240	Sucrose	Office Snax	0	12/15/2012	500 G	12/15/2011	ddthompson
8.33 MG/G: TOC							

End Of Report

110512 1911