Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	Spectrum Analytical, Inc., Tampa, FL	SDG No.:	3507601
Method:	SW-846 6010B, 7470A, and 7471A	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil and Water	Samples Collected:	11/13/2012
Reviewer:	Nicole Lancaster	Date:	01/04/2013
Concurrence[1]:	Martha Meyers-Lee	Date:	01/08/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓			
11. Were target analytes reported in equipment blank analyses above the DL?		✓		Target analytes were not detected during the analysis of the rinsate blank RB-11-13-12 (3507601-11), which was collected during the week of 11/12/12.	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Were contaminants detected in samples below the blank contamination action level? o If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results o If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results			✓	Blank contamination does not exist.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010B: • ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run o 7470A/7471A: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run	✓			• 6010B: 11/21/12. Six (6) Initial calibration standards. ICV initially, and CCV every 10 samples and at end of run • 7470A: 11/26/12. 6-Point ICAL. ICV initially, CCV every 10 samples and at end of run • 7471A: 11/21/12. 6-Point ICAL. ICV initially, CCV every 10 samples and at end of run	
17. Were these results within lab/project specifications? o 6010B (ICV/CCV Criteria: 90-110%R): • If %R <75, then J- flag positive results and R-flag non-detects • If 75-89%R, then J- flag positive results and UJ flag non-detects • If 111-125%R, then J flag positive results • If >125%R, then J+ flag positive results • If >160%R, then R flag positive results o 7470A/7471A: • If correlation coefficients <0.995, then J and UJ flag	✓			Mercury correlation coefficients (raw data): • 7470A: ICAL of 11/26/12. 0.99751 (page 2141) • 7471A: ICAL of 11/21/12. 0.99959 (page 2173)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
positive and non-detect results. • If %R <65, then J- flag positive results and R-flag non-detects • If 65-79%R, then J- flag positive results and UJ flag non-detects • If 121-135%R, then J flag positive results • If >135%R, then J+ flag positive results • If >170%R, then R flag positive results					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: o If >120%R (or >true value plus 2x CRQL), J+ flag positive results o If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects o If <50%R, J- flag positive results and R-flag non-detects	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet laboratory/project (80-120%R) specifications? o Soil: • LCS result > Upper control limit (UCL): J+ flag positive results • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects o Aqueous: • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results	✓				
22. Was the RPD between LCS and LCSD results within laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓			According to the Preparation Logs (Form 13), a LCS and LCSD were prepared for all methods, instead of a MS and MSD. Form 5A was not included in the data package. The following MS and MSD samples were identified during the review of Analysis Run Logs (Form 14) and raw data: • 6010B: o Aqueous: 3507569-06 (Batch) o Solid: 3507600-07 (Batch) • 7470A, Aqueous: 3507570-01 (Batch) • 7471A, Solid: 3507622-01 (Batch)	
24. Is the MS and MSD parent sample a project-specific sample?		✓			
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			A summary of PDS results were reported on Form 5B of the data package for the following samples: • 6010B: o Aqueous: 3507569-06 (Batch) o Solid: 3507600-07 (Batch) • 7470A, Aqueous: 3507570-01 (Batch) • 7471A, Solid: 3507622-01 (Batch)	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within laboratory/project control limits (MS, MSD, and PDS: 75-125%R)? *Only QC results for project samples are evaluated.* If not, o 6010B: • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results o 7470A/7471A: • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results					
27. Were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.			✓		
28. Was a serial dilution conducted for 6010B?	✓			A summary of serial dilution results were reported on Form 9 of the data package for the following samples: • 6010B: o Aqueous: 3507569-06 (Batch) o Solid: 3507601-06 (CV0181C-CS) • 7470A, Aqueous: 3507570-01 (Batch) • 7471A, Solid: 3507622-01 (Batch)	
29. Is the serial dilution parent sample a project-specific sample?	✓	✓			
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.* o If %D >10, J and UJ flag positive and non-detect results, respectively.	✓				
31. Was a laboratory duplicate analyzed?		✓		Laboratory duplicate sample analyses were not conducted. An evaluation of precision was based on the results of the LCS and LCSD results.	
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
33. Were criteria for laboratory/project precision met? *Only QC results for project samples are evaluated.* o If RPD values >20% (35% for soil/sediment) or absolute difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively			✓		
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment B** (Case Narratives)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review* (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (**Attachment C**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment

DV Flag Definitions:

J- The result is an estimated quantity, but the result may be biased low.
J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ The result is an estimated quantity, but the result may be biased high.
R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Sit

Lab Code : PEL Case No.: SDG No.: 3507601

SOW No.:

EPA Sample No	Lab Sample ID
CV0181C-CS	350760106
CV0194C-CS(sieve)	350760107
CV0698A-CS(sieve)	350760108
CV0181C-CS(sieve)	350760109
CV0434A-CS(sieve)	350760110
RB-11-13-12	350760111

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:

291112 1644

ATTACHMENT B

CASE NARRATIVES

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW6010B

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3050B.
Water samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. No action required. The following ICB/CCB(s) had element concentrations below the RL:

CCB1135014 was analyzed on 11/19/12 19:44. The following analyte(s) were detected below RL: Selenium at 4.36 ug/L.
Samples coded accordingly.

The hit in the blank was below the reporting limit, therefore, corrective action was not taken.

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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 with the exception of:

Post Digestion Spike 350760007A was analyzed with the soil samples on 11/21/12. The following analyte(s) were recovered below criteria: Lead at 77.2 % with criteria of (80-120).

The PDS is associated with the QC of a different SDG. The LCS/LCSD pass all quality control criteria. No further action was taken.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

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.

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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.

Signature: _____

Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: DATE: 11/26/2012

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW7470A

IV. PREPARATION

Water samples were prepared according to the Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 7470A.

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):

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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):

No spikes requested by client.

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.

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: 11/27/2012

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW7471A

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):

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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):

No spikes requested by client.

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.

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: 11/26/2012

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

B 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.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181C-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760106

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 65 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	21			P		0.69	1.38
7440-39-3	Barium	204			P		0.221	13.8
7440-43-9	Cadmium	0.69	U		P		0.069	0.69
7440-47-3	Chromium	21			P		0.221	1.38
7439-92-1	Lead	41.9			P		0.47	1.1
7439-97-6	Mercury	0.0448			CV		0.00471	0.042
7782-49-2	Selenium	2.76	U		P		0.552	2.76
7440-22-4	Silver	2.07	U		P		0.221	2.07

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0194C-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760107

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 67.3 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	27.7			P		0.71	1.42
7440-39-3	Barium	357			P		0.227	14.2
7440-43-9	Cadmium	1.8			P		0.071	0.71
7440-47-3	Chromium	37			P		0.227	1.42
7439-92-1	Lead	470			P		0.483	1.14
7439-97-6	Mercury	0.508			CV		0.00533	0.0475
7782-49-2	Selenium	2.84	U		P		0.568	2.84
7440-22-4	Silver	2.13	U		P		0.227	2.13

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0698A-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760108

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 80.2 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	20.8			P		0.596	1.19
7440-39-3	Barium	115			P		0.191	11.9
7440-43-9	Cadmium	0.596	U		P		0.0596	0.596
7440-47-3	Chromium	83.8			P		0.191	1.19
7439-92-1	Lead	114			P		0.405	0.954
7439-97-6	Mercury	0.0771			CV		0.00427	0.0381
7782-49-2	Selenium	2.38	U		P		0.477	2.38
7440-22-4	Silver	1.79	U		P		0.191	1.79

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181C-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760109

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 64.6 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	8.22			P		0.748	1.5
7440-39-3	Barium	174			P		0.24	15
7440-43-9	Cadmium	0.748	U		P		0.0748	0.748
7440-47-3	Chromium	15.9			P		0.24	1.5
7439-92-1	Lead	34.9			P		0.509	1.2
7439-97-6	Mercury	0.0583			CV		0.00544	0.0486
7782-49-2	Selenium	2.99	U		P		0.599	2.99
7440-22-4	Silver	2.24	U		P		0.24	2.24

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0434A-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760110

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 78.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	15.6			P		0.6	1.2
7440-39-3	Barium	155			P		0.192	12
7440-43-9	Cadmium	0.6	U		P		0.06	0.6
7440-47-3	Chromium	41.9			P		0.192	1.2
7439-92-1	Lead	103			P		0.408	0.96
7439-97-6	Mercury	0.112			CV		0.00359	0.032
7782-49-2	Selenium	2.4	U		P		0.48	2.4
7440-22-4	Silver	1.8	U		P		0.192	1.8

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	20	U		P		3.31	20
7440-39-3	Barium	200	U		P		0.22	200
7440-43-9	Cadmium	5	U		P		0.72	5
7440-47-3	Chromium	20	U		P		0.43	20
7439-92-1	Lead	15	U		P		3.7	15
7439-97-6	Mercury	0.2	U		CV		0.025	0.2
7782-49-2	Selenium	30	U		P		4.1	30
7440-22-4	Silver	30	U		P		0.52	30

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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Data Validation Checklist
Semivolatile Organic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	Spectrum Analytical, Inc., Tampa, FL	SDG No.:	3507601
Method:	SW-846 8270D SIM (PAH) & Full scan (TCL SVOC)	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil and Water	Samples Collected:	11/13/2012
Reviewer:	Nicole Lancaster	Date:	01/03/2013
Concurrence[1]:	Martha Meyers-Lee	Date:	01/08/2012

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (8270: ≤7 and 14 days from collection to extraction for aqueous and solid samples, respectively; ≤40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		Spectrum does not analyze a low calibration standard at the requested reporting limit for all target analytes. According to the Case Narrative associated with the SW-846 8270D Full Scan analyses, the low calibration standard for 4,6-dinitro-2-methylphenol is 10 µg/L.	
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes detected in equipment/rinsate blanks?		✓		Target analytes were not detected during the SW-846 8270D SIM and Full Scan analyses of RB-11-13-12 (3507601-11).	
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.	✓			A rinsate blank (RB-11-13-12) was collected during the week of 11/12/12.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this SDG?	✓			FM0102C-CSD (3507601-01) is a field duplicate of FM0102C-CS (3507600-20), which was reported under SDG 357600.	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J, UJ
16. Were DFTPP ion abundance criteria (i.e., CLP SOM01.2) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument.	✓			• 8270D SIM: o ICAL: 11/20/12, Instrument SMSD03 o ICV: 11/20/12 @20:13 o ICAL: 11/14/12, Instrument SMSD04 o ICV: 11/14/12 @ 22:19 o CCV: 11/20/12 @ 16:10 • 8270D Full scan: o ICAL: 11/14/12 & 11/15/12, Instrument SMSD04 o ICV: 11/15/12 @ 01:07, 09:04, and 11:51 o CCV: 11/20/12 @ 16:30, 16:53, and 17:14	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
19. Were calibration results within laboratory/project specifications? • ICAL (Criteria: ≤15 mean %RSD with no individual CCC %RSD ≤30 (≤50% for poor performers), Or r≥0.995, Or r^2≥0.99, and RRF ≥0.050 (≥0.010 for poor performers)): o If %RSD>15 (>50% for poor performers), or r <0.995, or r^2 <0.995, then J-flag positive results and UJ-flag non-detects o If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: ≤20%D (≤50% for poor performers) and RF ≥0.050 (≥0.010 for poor performers): o If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects o If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds		✓		• 8270D SIM: o ICAL of 11/20/12, Instrument SMSD03: Benzo(k)fluorene @18.3%RSD (Lab/Project: ≤15). J/UJ-flag results in associated samples[2]. o ICV of 11/14/12 @ 22:19, Instrument SMSD04: 2-Methylnaphthalene @21.1%D (Lab/Project: ≤20). UJ-flag ND result in associated sample[3]. o CCV of 11/20/12 @ 16:10, Instrument SMSD04: Chrysene @21.6%D (Lab/Project: ≤20). UJ-flag ND result in associated sample[3]. • 8270D Full scan: o ICV of 11/15/12 @ 01:07, Instrument SMSD04: 4-Nitroaniline @21.3%D (Lab: ≤20, Project: ≤50). o CCV of 11/20/12 @16:30, Instrument SMSD04: Hexachlorocyclopentadiene @21.6%D (Lab: ≤20, Project: ≤50). Qualification of data in associated samples[3] is not warranted, as 4-nitroaniline and hexachlorocyclopentadiene are poor performers and the %D is less than 50.	J, UJ
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >UCL and J/R-flag results when %R <LCL		✓		8270D Full scan, 154237LCS & 154238LCSD: 2,4-Dinitrophenol @ 124.0 & 132.0%R (12-114). Qualification of data is not warranted, because a high recovery is indicative of a positive bias and 2,4-dinitrophenol was not detected in the associated sample (i.e., Lab Sample 3507601-11).	
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects	✓				

[2] Laboratory Sample IDs 3507601-01 through -06
[3] Laboratory Sample ID 3507601-11

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?		✓		• 8270D SIM: o Prep Batch 11582: 3507601-01 (FM0102C-CS) o Prep Batch 11613: The laboratory conducted LCS and LCSD analyses in lieu of MS and MSD analyses. An evaluation of accuracy and precision was based on the results of the LCS and LCSD analyses. • 8270D Full scan, Prep Batch 11612: The laboratory conducted LCS and LCSD analyses in lieu of MS and MSD analyses. An evaluation of accuracy and precision was based on the results of the LCS and LCSD analyses.	
24. Is the MS/MSD parent sample a project-specific sample?	✓	✓			
25. Were MS/MSD recoveries within laboratory/project specifications? *Only QC results for project samples are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results		✓		Refer to **Attachment C**	J
26. Were laboratory criteria met for precision during the MS/MSD analysis? *Only QC results for project samples are evaluated.* • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
27. Were surrogate recoveries within lab/project specifications? • If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results • If 2 or more Acid or BN %R >UCL, then J-flag positive results • If 2 or more Acid or BN %R ≥10%, but <LL, then J-flag positive and UJ-flag non-detect results • If 2 or more Acid or BN, with 1 %R >UL and 1 %R ≥10%, but <LL, then J-flag positive and UJ-flag non-detect results		✓		8270D SIM: Benzo(a)pyrene-d12 was recovered low, outside of laboratory control limits of 50-140%R for soil samples CV0181B-CS, CV0181C-CS, FM102E-CS (3507601-5, 3507601-6, and 3507601-3, respectively) (Refer to **Attachment D**). PAH results for soil samples CV0181B-CS, CV0181C-CS, FM102E-CS are estimated (J/UJ), because a low surrogate recovery is indicative of a negative bias.	J, UJ
28. Were internal standard (IS) results within lab/project specifications? • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.	✓				
29. Were lab comments included in report?	✓			Refer to **Attachment E** (Case Narratives)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review* (EPA, October 1999) and *USEPA CLP NFG for Low Concentration Organic Methods Data Review* (EPA, June 2001). Sample results have been qualified based on the results of the data review process (**Attachment F**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.

Data Validation Checklist (Continued)

DV Flag Definitions:

J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R	The sample results are unusable. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
UJ	The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

Method: 8270 SIM

EPA Sample No	Lab Sample ID
FM0102C-CSD	350760101
FM0102D-CS	350760102
FM0102E-CS	350760103
CV0181A-CS	350760104
CV0181B-CS	350760105
CV0181C-CS	350760106
RB-11-13-12	350760111

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SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

Method: 8270

EPA Sample No	Lab Sample ID
RB-11-13-12	350760111

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ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment B**

Analyte	FM0102C-CS 3507600-20	RL	FM0102C-CSD 3507601-01	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Naphthalene	32.1	3.4	16.5	3.8	µg/kg	18	NA	**15.6**	**7.2**	**J/UJ-flag, absolute difference > 2x Avg RL**
2-Methylnaphthalene	25.7	3.4	12.4	3.8	µg/kg	18	NA	**13.3**	**7.2**	**J/UJ-flag, absolute difference > 2x Avg RL**
1-Methylnaphthalene	22.8	3.4	9.6	3.8	µg/kg	18	NA	**13.2**	**7.2**	**J/UJ-flag, absolute difference > 2x Avg RL**
Acenaphthylene	7.1	3.4		3.8	µg/kg	18	NA	**7.1**	**7.2**	None, absolute difference ≤ 2x Avg RL
Acenaphthene		3.4	4.2	3.8	µg/kg	18	NA	**4.2**	**7.2**	None, absolute difference ≤ 2x Avg RL
Fluorene	4	3.4	5	3.8	µg/kg	18	NA	**1**	**7.2**	None, absolute difference ≤ 2x Avg RL
Phenanthrene	79.4	3.4	68.2	3.8	µg/kg	18	**15**	NA	NA	None, RPD ≤ 50%
Anthracene	14.9	3.4	14.7	3.8	µg/kg	18	NA	**0.2**	**7.2**	None, absolute difference ≤ 2x Avg RL
Fluoranthene	95.5	3.4	100	3.8	µg/kg	18	**5**	NA	NA	None, RPD ≤ 50%
Pyrene	76	3.4	76.9	3.8	µg/kg	18	**1**	NA	NA	None, RPD ≤ 50%
Benzo(a)anthracene	64.4	3.4	59.5	3.8	µg/kg	18	**8**	NA	NA	None, RPD ≤ 50%
Chrysene	70.3	3.4	64.9	3.8	µg/kg	18	**8**	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	98.7	3.4	84.3	3.8	µg/kg	18	**16**	NA	NA	None, RPD ≤ 50%
Benzo(k)fluoranthene	30.9	3.4	26.6	3.8	µg/kg	18	**15**	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	60.5	3.4	51.3	3.8	µg/kg	18	**16**	NA	NA	None, RPD ≤ 50%
Indeno(1,2,3-cd)pyrene	33.1	3.4	26	3.8	µg/kg	18	**24**	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	13.9	3.4	5.3	3.8	µg/kg	18	NA	**8.6**	**7.2**	**J/UJ-flag, absolute difference > 2x Avg RL**
Benzo(g,h,i)perylene	44.6	3.4	32.7	3.8	µg/kg	18	**31**	NA	NA	None, RPD ≤ 50%

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C

MATRIX SPIKE & MATRIX SPIKE DUPLICATE RESULTS

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

FM0102C-CSDMS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfun

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Naphthalene	28	16	34	63.0	59 - 111
2-Methylnaphthalene	28	12	29	58.8	54 - 145
1-Methylnaphthalene	28	9.6	26	59.2 *	71 - 132
Acenaphthylene	28	0	21	73.2	54 - 115
Acenaphthene	28	4.2	22	62.3	57 - 119
Fluorene	28	5.0	21	57.7 *	59 - 118
Phenanthrene	28	68	67	0.0 *	54 - 112
Anthracene	28	15	24	33.5 *	40 - 138
Fluoranthene	28	100	70	0.0 *	55 - 132
Pyrene	28	77	59	0.0 *	55 - 123
Benzo(a)anthracene	28	60	52	0.0 *	53 - 119
Chrysene	28	65	52	0.0 *	34 - 140
Benzo(b)fluoranthene	28	84	70	0.0 *	50 - 171
Benzo(k)fluoranthene	28	30	36	22.9 *	32 - 158
Benzo(a)pyrene	28	51	47	0.0 *	20 - 120
Indeno(1,2,3-cd)pyrene	28	26	35	31.7	19 - 122
Dibenzo(a,h)anthracene	28	5.3	20	53.2	41 - 114
Benzo(g,h,i)perylene	28	33	37	14.4 *	50 - 150

Spike Recovery: 12 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

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SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.: FM0102C-CSDMSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Super

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	Flagging
Naphthalene	28	33	57.3 *	5.4	30	59 - 111	None (1)
2-Methylnaphthalene	28	30	63.0	3.4	30	54 - 145	
1-Methylnaphthalene	28	27	63.0 *	3.4	30	71 - 132	J-Flag
Acenaphthylene	28	23	80.8	8.7	30	54 - 115	
Acenaphthene	28	21	59.1	5.2	30	57 - 119	
Fluorene	28	21	56.2 *	2.8	30	59 - 118	J-Flag
Phenanthrene	28	60	0.0 *	10.7	30	54 - 112	
Anthracene	28	24	32.0 *	2.1	30	40 - 138	
Fluoranthene	28	67	0.0 *	3.5	30	55 - 132	
Pyrene	28	55	0.0 *	8.6	30	55 - 123	
Benzo(a)anthracene	28	48	0.0 *	8.7	30	53 - 119	
Chrysene	28	49	0.0 *	4.9	30	34 - 140	
Benzo(b)fluoranthene	28	56	0.0 *	23.1	30	50 - 171	
Benzo(k)fluoranthene	28	30	1.8 *	18.1	30	32 - 158	
Benzo(a)pyrene	28	40	0.0 *	16.7	30	20 - 120	
Indeno(1,2,3-cd)pyrene	28	28	7.5 *	21.9	30	19 - 122	None (1)
Dibenzo(a,h)anthracene	28	16	38.8 *	23.0	30	41 - 114	None (1)
Benzo(g,h,i)perylene	28	35	7.1 *	5.9	30	50 - 150	J-Flag

RPD: 0 out of 18 outside limits

Spike Recovery: 15 out of 18 outside limits

(1) Qualification of data is not warrranted, because the matrix spike percent recovery met laboratory control 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

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ATTACHMENT D

SW-846 8270D-SIM SURROGATE RECOVERIES

2A

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3507601

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
153989MB	65.0						0
153990LCS	67.7						0
CV0181A-CS	64.1						0
CV0181B-CS	44.6 *						1
CV0181C-CS	39.1 *						1
FM0102C-CSD	54.0						0
FM0102D-CS	51.9						0
FM0102E-CS	45.1 *						1

Control Limits

S1 = Benzo(e)pyrene-d12 50 - 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

Form II

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ATTACHMENT E

CASE NARRATIVES

CASE NARRATIVE
Semi-Volatile Organic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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 Spectrum Analytical's Standard Operating Procedures and Method SW8270D-SIM

IV. PREPARATION
Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.
Water samples were prepared by SW846 EPA 3510 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 with the exception of:

Sample CV0181B-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 44.6 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Sample CV0181C-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 39.1 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Sample FM0102E-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 45.1 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Samples coded accordingly.

D. 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)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

CASE NARRATIVE
Semi-Volatile Organic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MS - FM0102C-CSDMS was analyzed with the soil samples extracted on 11/19/12. The following analyte(s) were recovered below criteria:1-Methylnaphthalene at 59.2 % with criteria of (71-132), Anthracene at 33.5 % 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 14.4 % with criteria of (50-150), Benzo(k)fluoranthene at 22.9 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 57.7 % with criteria of (59-118), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

SD - FM0102C-CSDMSD was analyzed with the soil samples extracted on 11/19/12. The following analyte(s) were recovered below criteria:1-Methylnaphthalene at 63 % with criteria of (71-132), Anthracene at 32 % 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 7.1 % with criteria of (50-150), Benzo(k)fluoranthene at 1.8 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 38.8 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 56.2 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 7.5 % with criteria of (19-122), Naphthalene at 57.3 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

Samples coded accordingly.

E. Internal Standards:
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: Brian C. Spanh Title: Lab Director

SIGNED: **DATE: 12/17/2012**

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 153989MB Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: 154239MB Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: CV0181A-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181A-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: CV0181B-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181B-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: CV0181C-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181C-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102C-CSD Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102C-CSD Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102D-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102D-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102E-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102E-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: RB-11-13-12 Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: RB-11-13-12 Analyte: Fluoranthene-d10
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: CCV1135494 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(a)anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

Calibration Sample: CCV1135494 Analyte: Benzo(e)pyrene-d12(SURR)
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1135494 Analyte: Chrysene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1135494 Analyte: Fluoranthene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Indeno(1,2,3-cd)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Naphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135488 Analyte: Acenaphthylene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(a)anthracene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(e)pyrene-d12(SURR)
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(g,h,i)perylene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Chrysene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Dibenzo(a,h)anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Fluoranthene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Indeno(1,2,3-cd)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Naphthalene

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Phenanthrene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Pyrene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD1135465 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135466 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135469 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135472 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135474 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135478 Analyte: Benzo(k)fluoranthene
Reason: Split Peak

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

Raymond Ritz

CHEMIST: **DATE: 11/29/2012**

Raymond Ritz

SECTION LEADER: **DATE: 11/29/2012**

CASE NARRATIVE
Semi-Volatile Organic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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 Spectrum Analytical's Standard Operating Procedures and Method SW8270D.

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. Spectrum Analytical Inc. does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 10 ug/L for the following analyte: 4,6-Dinitro-2-methylphenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

CASE NARRATIVE
Semi-Volatile Organic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

LCS 154237LCS was analyzed with the water samples extracted on 11/20/12. The following analyte was recovered above criteria: 2,4-Dinitrophenol at 124 % with criteria of (12-114). Since this compound was recovered above criteria and was not detected in the sample, no further action was taken.

LCS 154238LCSD was analyzed with the water samples extracted on 11/20/12. The following analyte had marginal exceedance limit failures: 2,4-Dinitrophenol at 132 % with criteria of (0-131). Since this compound was recovered above criteria and was not detected in the sample, no further action was taken.

Samples coded accordingly.

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

No spikes requested by client.

E. Internal Standards:

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.

Raymond Ritz

SIGNED: **DATE:** **11/29/2012**

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 154237LCS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: 154237LCS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: 154238LCSD Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 154238LCSD Analyte: N-Nitroso-di-n-propylamine
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: Butylbenzylphthalate
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Carbazole
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Chrysene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: N-Nitroso-di-n-propylamine
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135497 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135497 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135497 Analyte: Hexachlorocyclopentadiene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135498 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135498 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135498 Analyte: Naphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135500 Analyte: N-Nitroso-di-n-propylamine
Reason: Split Peak
Calibration Sample: STD1135502 Analyte: N-Nitroso-di-n-propylamine
Reason: Split Peak

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

CASE NARRATIVE

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

Raymond Ritz

CHEMIST: **DATE:** 11/29/2012

Raymond Ritz

SECTION LEADER: **DATE:** 11/29/2012

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.

291112 1643

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).

ATTACHMENT F

QUALIFIED SAMPLE RESULTS

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: FM0102C-CSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760101 Lab File ID: 601-01.D

Sample wt/vol: 25.34 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/21/12 Time: 0231

PercentSolids: 69.2 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*
91-20-3	Naphthalene	16.5	J	1.6	3.8
91-57-6	2-Methylnaphthalene	12.4	J	1.5	3.8
90-12-0	1-Methylnaphthalene	9.6	J	1.5	3.8
208-96-8	Acenaphthylene	3.8	U	1.5	3.8
83-32-9	Acenaphthene	4.2		1.5	3.8
86-73-7	Fluorene	5	J	1.5	3.8
85-01-8	Phenanthrene	68.2		1.5	3.8
120-12-7	Anthracene	14.7		1.5	3.8
206-44-0	Fluoranthene	100		1.5	3.8
129-00-0	Pyrene	76.9		1.5	3.8
56-55-3	Benzo(a)anthracene	59.5		1.6	3.8
218-01-9	Chrysene	64.9		1.5	3.8
205-99-2	Benzo(b)fluoranthene	84.3		2.2	3.8
207-08-9	Benzo(k)fluoranthene	29.6		2.4	3.8
50-32-8	Benzo(a)pyrene	51.3		2	3.8
193-39-5	Indeno(1,2,3-cd)pyrene	26		3.4	3.8
53-70-3	Dibenzo(a,h)anthracene	5.3	J	3	3.8
191-24-2	Benzo(g,h,i)perylene	32.7	J	3.5	3.8

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

FM0102D-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760102 Lab File ID: 601-02.D

Sample wt/vol: 25.15 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2211

PercentSolids: 77.1 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*
91-20-3	Naphthalene	14.3		1.4	3.4
91-57-6	2-Methylnaphthalene	11.4		1.4	3.4
90-12-0	1-Methylnaphthalene	8.5		1.4	3.4
208-96-8	Acenaphthylene	3.4	U	1.4	3.4
83-32-9	Acenaphthene	3.4	U	1.4	3.4
86-73-7	Fluorene	3.4	U	1.4	3.4
85-01-8	Phenanthrene	19.9		1.4	3.4
120-12-7	Anthracene	3.4	U	1.4	3.4
206-44-0	Fluoranthene	27		1.4	3.4
129-00-0	Pyrene	20.1		1.4	3.4
56-55-3	Benzo(a)anthracene	15.9		1.4	3.4
218-01-9	Chrysene	21.5		1.3	3.4
205-99-2	Benzo(b)fluoranthene	26.8		2	3.4
207-08-9	Benzo(k)fluoranthene	13.5	J	2.2	3.4
50-32-8	Benzo(a)pyrene	15.5		1.8	3.4
193-39-5	Indeno(1,2,3-cd)pyrene	10.1		3.1	3.4
53-70-3	Dibenzo(a,h)anthracene	3.4	U	2.7	3.4
191-24-2	Benzo(g,h,i)perylene	14.4		3.2	3.4

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: FM0102E-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760103 Lab File ID: 601-03.D

Sample wt/vol: 25.56 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2235

PercentSolids: 77.3 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*
91-20-3	Naphthalene	17	J	1.4	3.4
91-57-6	2-Methylnaphthalene	12.9		1.3	3.4
90-12-0	1-Methylnaphthalene	9.2		1.3	3.4
208-96-8	Acenaphthylene	3.4	U J	1.3	3.4
83-32-9	Acenaphthene	3.4	U	1.3	3.4
86-73-7	Fluorene	3.4	U	1.3	3.4
85-01-8	Phenanthrene	28.6	J	1.3	3.4
120-12-7	Anthracene	4.1		1.3	3.4
206-44-0	Fluoranthene	39.6		1.3	3.4
129-00-0	Pyrene	32.6		1.3	3.4
56-55-3	Benzo(a)anthracene	22.6		1.4	3.4
218-01-9	Chrysene	26.7		1.3	3.4
205-99-2	Benzo(b)fluoranthene	30.8		1.9	3.4
207-08-9	Benzo(k)fluoranthene	14.9		2.1	3.4
50-32-8	Benzo(a)pyrene	20		1.8	3.4
193-39-5	Indeno(1,2,3-cd)pyrene	12.4		3	3.4
53-70-3	Dibenzo(a,h)anthracene	3.4	U J	2.6	3.4
191-24-2	Benzo(g,h,i)perylene	25.4	J	3.1	3.4

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181A-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760104 Lab File ID: 601-04.D

Sample wt/vol: 25.62 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2259

PercentSolids: 82.4 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*
91-20-3	Naphthalene	13.5		1.3	3.2
91-57-6	2-Methylnaphthalene	14.8		1.3	3.2
90-12-0	1-Methylnaphthalene	10.5		1.3	3.2
208-96-8	Acenaphthylene	3.9		1.3	3.2
83-32-9	Acenaphthene	3.2	U	1.3	3.2
86-73-7	Fluorene	3.2	U	1.3	3.2
85-01-8	Phenanthrene	30.3		1.3	3.2
120-12-7	Anthracene	5		1.3	3.2
206-44-0	Fluoranthene	43.9		1.3	3.2
129-00-0	Pyrene	36.2		1.3	3.2
56-55-3	Benzo(a)anthracene	33.7		1.3	3.2
218-01-9	Chrysene	34.8		1.2	3.2
205-99-2	Benzo(b)fluoranthene	48.6		1.8	3.2
207-08-9	Benzo(k)fluoranthene	21	J	2	3.2
50-32-8	Benzo(a)pyrene	30		1.7	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	19.4		2.8	3.2
53-70-3	Dibenzo(a,h)anthracene	3.7		2.5	3.2
191-24-2	Benzo(g,h,i)perylene	27.8		2.9	3.2

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: CV0181B-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760105 Lab File ID: 601-05.D

Sample wt/vol: 25.24 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2322

PercentSolids: 79 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*
91-20-3	Naphthalene	24.2	J	1.4	3.3
91-57-6	2-Methylnaphthalene	23.2		1.3	3.3
90-12-0	1-Methylnaphthalene	18.6		1.3	3.3
208-96-8	Acenaphthylene	5.6		1.3	3.3
83-32-9	Acenaphthene	3.9		1.3	3.3
86-73-7	Fluorene	4		1.3	3.3
85-01-8	Phenanthrene	43.1		1.3	3.3
120-12-7	Anthracene	7.1		1.3	3.3
206-44-0	Fluoranthene	63.6		1.3	3.3
129-00-0	Pyrene	55.6		1.3	3.3
56-55-3	Benzo(a)anthracene	40.3		1.4	3.3
218-01-9	Chrysene	48		1.3	3.3
205-99-2	Benzo(b)fluoranthene	59.2		1.9	3.3
207-08-9	Benzo(k)fluoranthene	22.6		2.1	3.3
50-32-8	Benzo(a)pyrene	38.4		1.8	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	23		3	3.3
53-70-3	Dibenzo(a,h)anthracene	3.6		2.6	3.3
191-24-2	Benzo(g,h,i)perylene	31.8		3.1	3.3

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: CV0181C-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760106 Lab File ID: 601-06.D

Sample wt/vol: 25.3 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2346

PercentSolids: 65 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*
91-20-3	Naphthalene	21.6	J	1.7	4
91-57-6	2-Methylnaphthalene	5.9		1.6	4
90-12-0	1-Methylnaphthalene	4.1		1.6	4
208-96-8	Acenaphthylene	4	U J	1.6	4
83-32-9	Acenaphthene	4	U	1.6	4
86-73-7	Fluorene	4	U	1.6	4
85-01-8	Phenanthrene	21	J	1.6	4
120-12-7	Anthracene	4	UJ	1.6	4
206-44-0	Fluoranthene	25.4	J	1.6	4
129-00-0	Pyrene	19.3		1.6	4
56-55-3	Benzo(a)anthracene	12.3		1.7	4
218-01-9	Chrysene	12		1.6	4
205-99-2	Benzo(b)fluoranthene	12.3		2.3	4
207-08-9	Benzo(k)fluoranthene	5.6		2.6	4
50-32-8	Benzo(a)pyrene	9		2.2	4
193-39-5	Indeno(1,2,3-cd)pyrene	6.2		3.6	4
53-70-3	Dibenzo(a,h)anthracene	4	U J	3.2	4
191-24-2	Benzo(g,h,i)perylene	9.6	J	3.8	4

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
91-20-3	Naphthalene	0.051	U	0.02	0.051
91-57-6	2-Methylnaphthalene	0.051	U J	0.02	0.051
90-12-0	1-Methylnaphthalene	0.051	U	0.02	0.051
208-96-8	Acenaphthylene	0.051	U	0.02	0.051
83-32-9	Acenaphthene	0.051	U	0.02	0.051
86-73-7	Fluorene	0.051	U	0.02	0.051
85-01-8	Phenanthrene	0.051	U	0.02	0.051
120-12-7	Anthracene	0.051	U	0.02	0.051
206-44-0	Fluoranthene	0.051	U	0.02	0.051
129-00-0	Pyrene	0.051	U	0.02	0.051
56-55-3	Benzo(a)anthracene	0.051	U	0.02	0.051
218-01-9	Chrysene	0.051	U J	0.02	0.051
205-99-2	Benzo(b)fluoranthene	0.051	U	0.02	0.051
207-08-9	Benzo(k)fluoranthene	0.051	U	0.02	0.051
50-32-8	Benzo(a)pyrene	0.051	U	0.02	0.051
193-39-5	Indeno(1,2,3-cd)pyrene	0.051	U	0.02	0.051
53-70-3	Dibenzo(a,h)anthracene	0.051	U	0.02	0.051
191-24-2	Benzo(g,h,i)perylene	0.051	U	0.02	0.051

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	4.1	U	3.1	4.1
108-95-2	Phenol	4.1	U	1.7	4.1
95-57-8	2-Chlorophenol	4.1	U	3	4.1
108-60-1	2,2'-Oxybis(1-chloropropane)	4.1	U	3.4	4.1
95-48-7	2-Methylphenol	4.1	U	2.6	4.1
67-72-1	Hexachloroethane	4.1	U	2.6	4.1
621-64-7	N-Nitroso-di-n-propylamine	4.1	U	3.1	4.1
106-44-5	4-Methylphenol	10.2	U	6.2	10.2
98-95-3	Nitrobenzene	4.1	U	1	4.1
78-59-1	Isophorone	4.1	U	3.9	4.1
88-75-5	2-Nitrophenol	4.1	U	0.78	4.1
105-67-9	2,4-Dimethylphenol	4.1	U	2.3	4.1
111-91-1	Bis(2-chloroethoxy)methane	4.1	U	3.6	4.1
120-83-2	2,4-Dichlorophenol	4.1	U	3.2	4.1
91-20-3	Naphthalene	4.1	U	2.8	4.1
106-47-8	4-Chloroaniline	4.1	U	3.1	4.1
91-57-6	2-Methylnaphthalene	4.1	U	2.8	4.1
87-68-3	Hexachlorobutadiene	4.1	U	2.6	4.1
59-50-7	4-Chloro-3-methylphenol	4.1	U	2.8	4.1
90-12-0	1-Methylnaphthalene	4.1	U	2.8	4.1
77-47-4	Hexachlorocyclopentadiene	4.1	U	0.84	4.1
88-06-2	2,4,6-Trichlorophenol	4.1	U	0.86	4.1
95-95-4	2,4,5-Trichlorophenol	4.1	U	3.5	4.1
91-58-7	2-Chloronaphthalene	4.1	U	2.8	4.1
88-74-4	2-Nitroaniline	4.1	U	3.1	4.1
208-96-8	Acenaphthylene	4.1	U	3.1	4.1

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
131-11-3	Dimethylphthalate	4.1	U	3.1	4.1
606-20-2	2,6-Dinitrotoluene	4.1	U	2.8	4.1
83-32-9	Acenaphthene	4.1	U	2.8	4.1
99-09-2	3-Nitroaniline	4.1	U	2.8	4.1
51-28-5	2,4-Dinitrophenol	20.4	U	5.7	20.4
132-64-9	Dibenzofuran	4.1	U	2.8	4.1
121-14-2	2,4-Dinitrotoluene	4.1	U	2.8	4.1
100-02-7	4-Nitrophenol	4.1	U	4.1	4.1
86-73-7	Fluorene	4.1	U	3	4.1
7005-72-3	4-Chlorophenyl-phenylether	4.1	U	2.6	4.1
84-66-2	Diethylphthalate	4.1	U	2.8	4.1
100-01-6	4-Nitroaniline	4.1	U	1.5	4.1
534-52-1	4,6-Dinitro-2-methylphenol	4.1	U	4.1	4.1
86-30-6	N-Nitrosodiphenylamine	4.1	U	3.5	4.1
101-55-3	4-Bromophenyl-phenylether	4.1	U	2.3	4.1
118-74-1	Hexachlorobenzene	4.1	U	0.42	4.1
87-86-5	Pentachlorophenol	10.2	U	1.4	10.2
85-01-8	Phenanthrene	4.1	U	2.8	4.1
120-12-7	Anthracene	4.1	U	2.8	4.1
84-74-2	Di-n-butylphthalate	4.1	U	0.88	4.1
206-44-0	Fluoranthene	4.1	U	2.8	4.1
129-00-0	Pyrene	4.1	U	1.2	4.1
85-68-7	Butylbenzylphthalate	4.1	U	3.1	4.1
91-94-1	3,3'-Dichlorobenzidine	4.1	U	2.8	4.1
56-55-3	Benzo(a)anthracene	4.1	U	2.6	4.1
218-01-9	Chrysene	4.1	U	3	4.1

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-81-7	Bis(2-ethylhexyl)phthalate	6.1	U	4.5	6.1
117-84-0	Di-n-octylphthalate	4.1	U	2	4.1
205-99-2	Benzo(b)fluoranthene	4.1	U	2.6	4.1
207-08-9	Benzo(k)fluoranthene	4.1	U	3	4.1
50-32-8	Benzo(a)pyrene	4.1	U	2.8	4.1
193-39-5	Indeno(1,2,3-cd)pyrene	4.1	U	1.6	4.1
53-70-3	Dibenzo(a,h)anthracene	4.1	U	1.2	4.1
191-24-2	Benzo(g,h,i)perylene	4.1	U	2.6	4.1
98-86-2	Acetophenone	4.1	U	4.1	4.1
95-94-3	1,2,4,5-Tetrachlorobenzene	4.1	U	2.2	4.1
86-74-8	Carbazole	4.1	U	3.2	4.1
105-60-2	Caprolactam	4.1	U	4.1	4.1
92-52-4	1,1'-Biphenyl	4.1	U	0.78	4.1
1912-24-9	Atrazine	4.1	U	0.55	4.1
100-52-7	Benzaldehyde	4.1	U	0.5	4.1

Date Reported:
19-Dec-12

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

☐ Final Report
☐ Re-Issued Report
☑ Revised Report

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

Project # 3507601 R1
Project: 35th Avenue Superfund Site

Attn: Limari Krebs

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
350760101	FM0102C-CSD	S	13-Nov-12 14:25	15-Nov-12 10:03
350760102	FM0102D-CS	S	13-Nov-12 14:45	15-Nov-12 10:03
350760103	FM0102E-CS	S	13-Nov-12 15:10	15-Nov-12 10:03
350760104	CV0181A-CS	S	13-Nov-12 16:00	15-Nov-12 10:03
350760105	CV0181B-CS	S	13-Nov-12 16:25	15-Nov-12 10:03
350760106	CV0181C-CS	S	13-Nov-12 16:40	15-Nov-12 10:03
350760107	CV0194C-CS(sieve)	S	13-Nov-12 10:24	15-Nov-12 10:03
350760108	CV0698A-CS(sieve)	S	13-Nov-12 14:35	15-Nov-12 10:03
350760109	CV0181C-CS(sieve)	S	13-Nov-12 16:40	15-Nov-12 10:03
350760110	CV0434A-CS(sieve)	S	13-Nov-12 12:00	15-Nov-12 10:03
350760111	RB-11-13-12	W	13-Nov-12 15:30	15-Nov-12 10:03

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.

Please contact the laboratory at 813-888-9507 with any questions regarding the data contained in the laboratory report.

Florida	E84207
Texas	T104704408-12-4
South Carolina	96011001
North Dakota	R-178
California	07253CA
Louisiana	02025
Kansas	E-10385
Arkansas	11-036-1

NELAP ACCREDITED LABORATORY

LABORATORY ACCREDITATION BUREAU ACCREDITED
Certificate # L2259 Testing

Respectfully Submitted,

Brian Spann
Laboratory Director
Spectrum Analytical, Inc. Florida Division

Report Revision LOG

SDG: 3507601

Revision	Reason
R1	Revised to include the SDG specific MS/MSD summary forms (8270SIM). Case narrative was revised. The raw data for MS/MSD runs are added at the end of the 8270SIM raw data section. See the Addendum for additional details.

Table of Contents

EXECUTIVE SUMMARY - Detection Highlights

3507601

SAMPLE ID: CV0181A-CS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1-Methylnaphthalene	10.5	3.2	UG/KG	SW8270D-SIM
2-Methylnaphthalene	14.8	3.2	UG/KG	SW8270D-SIM
Acenaphthylene	3.90	3.2	UG/KG	SW8270D-SIM
Anthracene	5.00	3.2	UG/KG	SW8270D-SIM
Benzo(a)anthracene	33.7	3.2	UG/KG	SW8270D-SIM
Benzo(a)pyrene	30.0	3.2	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	48.6	3.2	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	27.8	3.2	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	21.0	3.2	UG/KG	SW8270D-SIM
Chrysene	34.8	3.2	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	3.70	3.2	UG/KG	SW8270D-SIM
Fluoranthene	43.9	3.2	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	19.4	3.2	UG/KG	SW8270D-SIM
Naphthalene	13.5	3.2	UG/KG	SW8270D-SIM
Phenanthrene	30.3	3.2	UG/KG	SW8270D-SIM
Pyrene	36.2	3.2	UG/KG	SW8270D-SIM

SAMPLE ID: CV0181B-CS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1-Methylnaphthalene	18.6	3.3	UG/KG	SW8270D-SIM
2-Methylnaphthalene	23.2	3.3	UG/KG	SW8270D-SIM
Acenaphthene	3.90	3.3	UG/KG	SW8270D-SIM
Acenaphthylene	5.60	3.3	UG/KG	SW8270D-SIM
Anthracene	7.10	3.3	UG/KG	SW8270D-SIM
Benzo(a)anthracene	40.3	3.3	UG/KG	SW8270D-SIM
Benzo(a)pyrene	38.4	3.3	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	59.2	3.3	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	31.8	3.3	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	22.6	3.3	UG/KG	SW8270D-SIM
Chrysene	48.0	3.3	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	3.60	3.3	UG/KG	SW8270D-SIM
Fluoranthene	63.6	3.3	UG/KG	SW8270D-SIM
Fluorene	4.00	3.3	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	23.0	3.3	UG/KG	SW8270D-SIM

291112 1643

EXECUTIVE SUMMARY - Detection Highlights

3507601

Naphthalene	24.2	3.3	UG/KG	SW8270D-SIM
Phenanthrene	43.1	3.3	UG/KG	SW8270D-SIM
Pyrene	55.6	3.3	UG/KG	SW8270D-SIM

SAMPLE ID: CV0181C-CS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Arsenic	21.0	1.38	MG/KG	SW6010B
Barium	204	13.8	MG/KG	SW6010B
Chromium	21.0	1.38	MG/KG	SW6010B
Lead	41.9	1.10	MG/KG	SW6010B
Mercury	0.0448	0.0420	MG/KG	SW7471A
1-Methylnaphthalene	4.10	4.0	UG/KG	SW8270D-SIM
2-Methylnaphthalene	5.90	4.0	UG/KG	SW8270D-SIM
Benzo(a)anthracene	12.3	4.0	UG/KG	SW8270D-SIM
Benzo(a)pyrene	9.00	4.0	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	12.3	4.0	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	9.60	4.0	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	5.60	4.0	UG/KG	SW8270D-SIM
Chrysene	12.0	4.0	UG/KG	SW8270D-SIM
Fluoranthene	25.4	4.0	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	6.20	4.0	UG/KG	SW8270D-SIM
Naphthalene	21.6	4.0	UG/KG	SW8270D-SIM
Phenanthrene	21.0	4.0	UG/KG	SW8270D-SIM
Pyrene	19.3	4.0	UG/KG	SW8270D-SIM

SAMPLE ID: CV0181C-CS(sieve)

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Arsenic	8.22	1.50	MG/KG	SW6010B
Barium	174	15.0	MG/KG	SW6010B
Chromium	15.9	1.50	MG/KG	SW6010B
Lead	34.9	1.20	MG/KG	SW6010B
Mercury	0.0583	0.0486	MG/KG	SW7471A

EXECUTIVE SUMMARY - Detection Highlights

3507601

SAMPLE ID: CV0194C-CS(sieve)

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Arsenic	27.7	1.42	MG/KG	SW6010B
Barium	357	14.2	MG/KG	SW6010B
Cadmium	1.80	0.710	MG/KG	SW6010B
Chromium	37.0	1.42	MG/KG	SW6010B
Lead	470	1.14	MG/KG	SW6010B
Mercury	0.508	0.0475	MG/KG	SW7471A

SAMPLE ID: CV0434A-CS(sieve)

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Arsenic	15.6	1.20	MG/KG	SW6010B
Barium	155	12.0	MG/KG	SW6010B
Chromium	41.9	1.20	MG/KG	SW6010B
Lead	103	0.960	MG/KG	SW6010B
Mercury	0.112	0.0320	MG/KG	SW7471A

SAMPLE ID: CV0698A-CS(sieve)

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
Arsenic	20.8	1.19	MG/KG	SW6010B
Barium	115	11.9	MG/KG	SW6010B
Chromium	83.8	1.19	MG/KG	SW6010B
Lead	114	0.954	MG/KG	SW6010B
Mercury	0.0771	0.0381	MG/KG	SW7471A

SAMPLE ID: FM0102C-CSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD

291112 1643

EXECUTIVE SUMMARY - Detection Highlights

3507601

1-Methylnaphthalene	9.60	3.8	UG/KG	SW8270D-SIM
2-Methylnaphthalene	12.4	3.8	UG/KG	SW8270D-SIM
Acenaphthene	4.20	3.8	UG/KG	SW8270D-SIM
Anthracene	14.7	3.8	UG/KG	SW8270D-SIM
Benzo(a)anthracene	59.5	3.8	UG/KG	SW8270D-SIM
Benzo(a)pyrene	51.3	3.8	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	84.3	3.8	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	32.7	3.8	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	29.6	3.8	UG/KG	SW8270D-SIM
Chrysene	64.9	3.8	UG/KG	SW8270D-SIM
Dibenzo(a,h)anthracene	5.30	3.8	UG/KG	SW8270D-SIM
Fluoranthene	100	3.8	UG/KG	SW8270D-SIM
Fluorene	5.00	3.8	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	26.0	3.8	UG/KG	SW8270D-SIM
Naphthalene	16.5	3.8	UG/KG	SW8270D-SIM
Phenanthrene	68.2	3.8	UG/KG	SW8270D-SIM
Pyrene	76.9	3.8	UG/KG	SW8270D-SIM

SAMPLE ID: FM0102D-CS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1-Methylnaphthalene	8.50	3.4	UG/KG	SW8270D-SIM
2-Methylnaphthalene	11.4	3.4	UG/KG	SW8270D-SIM
Benzo(a)anthracene	15.9	3.4	UG/KG	SW8270D-SIM
Benzo(a)pyrene	15.5	3.4	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	26.8	3.4	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	14.4	3.4	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	13.5	3.4	UG/KG	SW8270D-SIM
Chrysene	21.5	3.4	UG/KG	SW8270D-SIM
Fluoranthene	27.0	3.4	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	10.1	3.4	UG/KG	SW8270D-SIM
Naphthalene	14.3	3.4	UG/KG	SW8270D-SIM
Phenanthrene	19.9	3.4	UG/KG	SW8270D-SIM
Pyrene	20.1	3.4	UG/KG	SW8270D-SIM

291112 1643

EXECUTIVE SUMMARY - Detection Highlights

3507601

SAMPLE ID: FM0102E-CS

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
1-Methylnaphthalene	9.20	3.4	UG/KG	SW8270D-SIM
2-Methylnaphthalene	12.9	3.4	UG/KG	SW8270D-SIM
Anthracene	4.10	3.4	UG/KG	SW8270D-SIM
Benzo(a)anthracene	22.6	3.4	UG/KG	SW8270D-SIM
Benzo(a)pyrene	20.0	3.4	UG/KG	SW8270D-SIM
Benzo(b)fluoranthene	30.8	3.4	UG/KG	SW8270D-SIM
Benzo(g,h,i)perylene	25.4	3.4	UG/KG	SW8270D-SIM
Benzo(k)fluoranthene	14.9	3.4	UG/KG	SW8270D-SIM
Chrysene	26.7	3.4	UG/KG	SW8270D-SIM
Fluoranthene	39.6	3.4	UG/KG	SW8270D-SIM
Indeno(1,2,3-cd)pyrene	12.4	3.4	UG/KG	SW8270D-SIM
Naphthalene	17.0	3.4	UG/KG	SW8270D-SIM
Phenanthrene	28.6	3.4	UG/KG	SW8270D-SIM
Pyrene	32.6	3.4	UG/KG	SW8270D-SIM

291112 1643

Organics

291112 1643

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).

8270 SIM Semi-Volatile Organics

291112 1643

CASE NARRATIVE
Semi-Volatile Organic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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 Spectrum Analytical's Standard Operating Procedures and Method SW8270D-SIM

IV. PREPARATION

Soil samples were prepared by SW846 EPA 3545 for 8270 semi-volatile analysis.
Water samples were prepared by SW846 EPA 3510 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 with the exception of:

Sample CV0181B-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 44.6 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Sample CV0181C-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 39.1 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Sample FM0102E-CS was recovered below criteria for the following surrogate: Benzo(e)pyrene-d12 at 45.1 % with criteria of (50-140). The surrogate recovery was probably due to the sample matrix; therefore no further action was taken.

Samples coded accordingly.

D. 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)

A client requested MS/SD set was analyzed.
All percent recovery and relative percent difference (RPD) criteria were met with the exception of:

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MS - FM0102C-CSDMS was analyzed with the soil samples extracted on 11/19/12. The following analyte(s) were recovered below criteria:1-Methylnaphthalene at 59.2 % with criteria of (71-132), Anthracene at 33.5 % 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 14.4 % with criteria of (50-150), Benzo(k)fluoranthene at 22.9 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 57.7 % with criteria of (59-118), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

SD - FM0102C-CSDMSD was analyzed with the soil samples extracted on 11/19/12. The following analyte(s) were recovered below criteria:1-Methylnaphthalene at 63 % with criteria of (71-132), Anthracene at 32 % 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 7.1 % with criteria of (50-150), Benzo(k)fluoranthene at 1.8 % with criteria of (32-158), Chrysene at 0 % with criteria of (34-140), Dibenzo(a,h)anthracene at 38.8 % with criteria of (41-114), Fluoranthene at 0 % with criteria of (55-132), Fluorene at 56.2 % with criteria of (59-118), Indeno(1,2,3-cd)pyrene at 7.5 % with criteria of (19-122), Naphthalene at 57.3 % with criteria of (59-111), Phenanthrene at 0 % with criteria of (54-112), Pyrene at 0 % with criteria of (55-123).

Samples coded accordingly.

E. Internal Standards:
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.

SIGNED: DATE: 12/17/2012

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 153989MB Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: 154239MB Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: CV0181A-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181A-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: CV0181B-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181B-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: CV0181C-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: CV0181C-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102C-CSD Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102C-CSD Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102D-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102D-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: FM0102E-CS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: FM0102E-CS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: RB-11-13-12 Analyte: Benzo(e)pyrene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Sample: RB-11-13-12 Analyte: Fluoranthene-d10
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: CCV1135494 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(a)anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

Calibration Sample: CCV1135494 Analyte: Benzo(e)pyrene-d12(SURR)
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Benzo(g,h,i)perylene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1135494 Analyte: Chrysene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Dibenzo(a,h)anthracene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: CCV1135494 Analyte: Fluoranthene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Indeno(1,2,3-cd)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: CCV1135494 Analyte: Naphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135488 Analyte: Acenaphthylene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(a)anthracene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(e)pyrene-d12(SURR)
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Benzo(g,h,i)perylene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Chrysene
Reason: Split Peak
Calibration Sample: SSC1135488 Analyte: Dibenzo(a,h)anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Fluoranthene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Indeno(1,2,3-cd)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135488 Analyte: Naphthalene

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Phenanthrene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: SSC1135488 Analyte: Pyrene
Reason: Target peak was not integrated automatically by software generator
Calibration Sample: STD1135465 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135466 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135469 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135472 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135474 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135478 Analyte: Benzo(k)fluoranthene
Reason: Split Peak

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

Raymond Ortiz

CHEMIST: DATE: 11/29/2012

Raymond Ortiz

SECTION LEADER: DATE: 11/29/2012

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Method: 8270 SIM

EPA Sample No	Lab Sample ID
FM0102C-CSD	350760101
FM0102D-CS	350760102
FM0102E-CS	350760103
CV0181A-CS	350760104
CV0181B-CS	350760105
CV0181C-CS	350760106
RB-11-13-12	350760111

291112 1643

8270 SIM Sample Data

291112 1643

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

FM0102C-CSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760101 Lab File ID: 601-01.D

Sample wt/vol: 25.34 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/21/12 Time: 0231

PercentSolids: 69.2 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*
91-20-3	Naphthalene	16.5		1.6	3.8
91-57-6	2-Methylnaphthalene	12.4		1.5	3.8
90-12-0	1-Methylnaphthalene	9.6		1.5	3.8
208-96-8	Acenaphthylene	3.8	U	1.5	3.8
83-32-9	Acenaphthene	4.2		1.5	3.8
86-73-7	Fluorene	5		1.5	3.8
85-01-8	Phenanthrene	68.2		1.5	3.8
120-12-7	Anthracene	14.7		1.5	3.8
206-44-0	Fluoranthene	100		1.5	3.8
129-00-0	Pyrene	76.9		1.5	3.8
56-55-3	Benzo(a)anthracene	59.5		1.6	3.8
218-01-9	Chrysene	64.9		1.5	3.8
205-99-2	Benzo(b)fluoranthene	84.3		2.2	3.8
207-08-9	Benzo(k)fluoranthene	29.6		2.4	3.8
50-32-8	Benzo(a)pyrene	51.3		2	3.8
193-39-5	Indeno(1,2,3-cd)pyrene	26		3.4	3.8
53-70-3	Dibenzo(a,h)anthracene	5.3		3	3.8
191-24-2	Benzo(g,h,i)perylene	32.7		3.5	3.8

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

FM0102D-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760102 Lab File ID: 601-02.D

Sample wt/vol: 25.15 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2211

PercentSolids: 77.1 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*
91-20-3	Naphthalene	14.3		1.4	3.4
91-57-6	2-Methylnaphthalene	11.4		1.4	3.4
90-12-0	1-Methylnaphthalene	8.5		1.4	3.4
208-96-8	Acenaphthylene	3.4	U	1.4	3.4
83-32-9	Acenaphthene	3.4	U	1.4	3.4
86-73-7	Fluorene	3.4	U	1.4	3.4
85-01-8	Phenanthrene	19.9		1.4	3.4
120-12-7	Anthracene	3.4	U	1.4	3.4
206-44-0	Fluoranthene	27		1.4	3.4
129-00-0	Pyrene	20.1		1.4	3.4
56-55-3	Benzo(a)anthracene	15.9		1.4	3.4
218-01-9	Chrysene	21.5		1.3	3.4
205-99-2	Benzo(b)fluoranthene	26.8		2	3.4
207-08-9	Benzo(k)fluoranthene	13.5		2.2	3.4
50-32-8	Benzo(a)pyrene	15.5		1.8	3.4
193-39-5	Indeno(1,2,3-cd)pyrene	10.1		3.1	3.4
53-70-3	Dibenzo(a,h)anthracene	3.4	U	2.7	3.4
191-24-2	Benzo(g,h,i)perylene	14.4		3.2	3.4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: FM0102E-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760103 Lab File ID: 601-03.D

Sample wt/vol: 25.56 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2235

PercentSolids: 77.3 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*
91-20-3	Naphthalene	17		1.4	3.4
91-57-6	2-Methylnaphthalene	12.9		1.3	3.4
90-12-0	1-Methylnaphthalene	9.2		1.3	3.4
208-96-8	Acenaphthylene	3.4	U	1.3	3.4
83-32-9	Acenaphthene	3.4	U	1.3	3.4
86-73-7	Fluorene	3.4	U	1.3	3.4
85-01-8	Phenanthrene	28.6		1.3	3.4
120-12-7	Anthracene	4.1		1.3	3.4
206-44-0	Fluoranthene	39.6		1.3	3.4
129-00-0	Pyrene	32.6		1.3	3.4
56-55-3	Benzo(a)anthracene	22.6		1.4	3.4
218-01-9	Chrysene	26.7		1.3	3.4
205-99-2	Benzo(b)fluoranthene	30.8		1.9	3.4
207-08-9	Benzo(k)fluoranthene	14.9		2.1	3.4
50-32-8	Benzo(a)pyrene	20		1.8	3.4
193-39-5	Indeno(1,2,3-cd)pyrene	12.4		3	3.4
53-70-3	Dibenzo(a,h)anthracene	3.4	U	2.6	3.4
191-24-2	Benzo(g,h,i)perylene	25.4		3.1	3.4

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181A-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760104 Lab File ID: 601-04.D

Sample wt/vol: 25.62 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2259

PercentSolids: 82.4 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*
91-20-3	Naphthalene	13.5		1.3	3.2
91-57-6	2-Methylnaphthalene	14.8		1.3	3.2
90-12-0	1-Methylnaphthalene	10.5		1.3	3.2
208-96-8	Acenaphthylene	3.9		1.3	3.2
83-32-9	Acenaphthene	3.2	U	1.3	3.2
86-73-7	Fluorene	3.2	U	1.3	3.2
85-01-8	Phenanthrene	30.3		1.3	3.2
120-12-7	Anthracene	5		1.3	3.2
206-44-0	Fluoranthene	43.9		1.3	3.2
129-00-0	Pyrene	36.2		1.3	3.2
56-55-3	Benzo(a)anthracene	33.7		1.3	3.2
218-01-9	Chrysene	34.8		1.2	3.2
205-99-2	Benzo(b)fluoranthene	48.6		1.8	3.2
207-08-9	Benzo(k)fluoranthene	21		2	3.2
50-32-8	Benzo(a)pyrene	30		1.7	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	19.4		2.8	3.2
53-70-3	Dibenzo(a,h)anthracene	3.7		2.5	3.2
191-24-2	Benzo(g,h,i)perylene	27.8		2.9	3.2

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181B-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760105 Lab File ID: 601-05.D

Sample wt/vol: 25.24 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2322

PercentSolids: 79 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*
91-20-3	Naphthalene	24.2		1.4	3.3
91-57-6	2-Methylnaphthalene	23.2		1.3	3.3
90-12-0	1-Methylnaphthalene	18.6		1.3	3.3
208-96-8	Acenaphthylene	5.6		1.3	3.3
83-32-9	Acenaphthene	3.9		1.3	3.3
86-73-7	Fluorene	4		1.3	3.3
85-01-8	Phenanthrene	43.1		1.3	3.3
120-12-7	Anthracene	7.1		1.3	3.3
206-44-0	Fluoranthene	63.6		1.3	3.3
129-00-0	Pyrene	55.6		1.3	3.3
56-55-3	Benzo(a)anthracene	40.3		1.4	3.3
218-01-9	Chrysene	48		1.3	3.3
205-99-2	Benzo(b)fluoranthene	59.2		1.9	3.3
207-08-9	Benzo(k)fluoranthene	22.6		2.1	3.3
50-32-8	Benzo(a)pyrene	38.4		1.8	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	23		3	3.3
53-70-3	Dibenzo(a,h)anthracene	3.6		2.6	3.3
191-24-2	Benzo(g,h,i)perylene	31.8		3.1	3.3

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181C-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760106 Lab File ID: 601-06.D

Sample wt/vol: 25.3 Units: G Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2346

PercentSolids: 65 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*
91-20-3	Naphthalene	21.6		1.7	4
91-57-6	2-Methylnaphthalene	5.9		1.6	4
90-12-0	1-Methylnaphthalene	4.1		1.6	4
208-96-8	Acenaphthylene	4	U	1.6	4
83-32-9	Acenaphthene	4	U	1.6	4
86-73-7	Fluorene	4	U	1.6	4
85-01-8	Phenanthrene	21		1.6	4
120-12-7	Anthracene	4	U	1.6	4
206-44-0	Fluoranthene	25.4		1.6	4
129-00-0	Pyrene	19.3		1.6	4
56-55-3	Benzo(a)anthracene	12.3		1.7	4
218-01-9	Chrysene	12		1.6	4
205-99-2	Benzo(b)fluoranthene	12.3		2.3	4
207-08-9	Benzo(k)fluoranthene	5.6		2.6	4
50-32-8	Benzo(a)pyrene	9		2.2	4
193-39-5	Indeno(1,2,3-cd)pyrene	6.2		3.6	4
53-70-3	Dibenzo(a,h)anthracene	4	U	3.2	4
191-24-2	Benzo(g,h,i)perylene	9.6		3.8	4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
91-20-3	Naphthalene	0.051	U	0.02	0.051
91-57-6	2-Methylnaphthalene	0.051	U	0.02	0.051
90-12-0	1-Methylnaphthalene	0.051	U	0.02	0.051
208-96-8	Acenaphthylene	0.051	U	0.02	0.051
83-32-9	Acenaphthene	0.051	U	0.02	0.051
86-73-7	Fluorene	0.051	U	0.02	0.051
85-01-8	Phenanthrene	0.051	U	0.02	0.051
120-12-7	Anthracene	0.051	U	0.02	0.051
206-44-0	Fluoranthene	0.051	U	0.02	0.051
129-00-0	Pyrene	0.051	U	0.02	0.051
56-55-3	Benzo(a)anthracene	0.051	U	0.02	0.051
218-01-9	Chrysene	0.051	U	0.02	0.051
205-99-2	Benzo(b)fluoranthene	0.051	U	0.02	0.051
207-08-9	Benzo(k)fluoranthene	0.051	U	0.02	0.051
50-32-8	Benzo(a)pyrene	0.051	U	0.02	0.051
193-39-5	Indeno(1,2,3-cd)pyrene	0.051	U	0.02	0.051
53-70-3	Dibenzo(a,h)anthracene	0.051	U	0.02	0.051
191-24-2	Benzo(g,h,i)perylene	0.051	U	0.02	0.051

8270 SIM QC Summary

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 153989MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 153989MB Lab File ID: 11582MB.d

Sample wt/vol: 20.82 Units: G Date Received: 11/19/12

Concentrated Extract Volume: 1 Date Extracted: 11/19/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 1822

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*
91-20-3	Naphthalene	3.2	U	1.3	3.2
91-57-6	2-Methylnaphthalene	3.2	U	1.3	3.2
90-12-0	1-Methylnaphthalene	3.2	U	1.3	3.2
208-96-8	Acenaphthylene	3.2	U	1.3	3.2
83-32-9	Acenaphthene	3.2	U	1.3	3.2
86-73-7	Fluorene	3.2	U	1.3	3.2
85-01-8	Phenanthrene	3.2	U	1.3	3.2
120-12-7	Anthracene	3.2	U	1.3	3.2
206-44-0	Fluoranthene	3.2	U	1.3	3.2
129-00-0	Pyrene	3.2	U	1.3	3.2
56-55-3	Benzo(a)anthracene	3.2	U	1.3	3.2
218-01-9	Chrysene	3.2	U	1.2	3.2
205-99-2	Benzo(b)fluoranthene	3.2	U	1.8	3.2
207-08-9	Benzo(k)fluoranthene	3.2	U	2	3.2
50-32-8	Benzo(a)pyrene	3.2	U	1.7	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	3.2	U	2.9	3.2
53-70-3	Dibenzo(a,h)anthracene	3.2	U	2.5	3.2
191-24-2	Benzo(g,h,i)perylene	3.2	U	3	3.2

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 154239MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154239MB Lab File ID: 11613MB.d

Sample wt/vol: 1000 Units: ML Date Received: 11/20/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2013

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 SIM

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
91-20-3	Naphthalene	0.05	U	0.02	0.05
91-57-6	2-Methylnaphthalene	0.05	U	0.02	0.05
90-12-0	1-Methylnaphthalene	0.05	U	0.02	0.05
208-96-8	Acenaphthylene	0.05	U	0.02	0.05
83-32-9	Acenaphthene	0.05	U	0.02	0.05
86-73-7	Fluorene	0.05	U	0.02	0.05
85-01-8	Phenanthrene	0.05	U	0.02	0.05
120-12-7	Anthracene	0.05	U	0.02	0.05
206-44-0	Fluoranthene	0.05	U	0.02	0.05
129-00-0	Pyrene	0.05	U	0.02	0.05
56-55-3	Benzo(a)anthracene	0.05	U	0.02	0.05
218-01-9	Chrysene	0.05	U	0.02	0.05
205-99-2	Benzo(b)fluoranthene	0.05	U	0.02	0.05
207-08-9	Benzo(k)fluoranthene	0.05	U	0.02	0.05
50-32-8	Benzo(a)pyrene	0.05	U	0.02	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	0.05	U	0.02	0.05
53-70-3	Dibenzo(a,h)anthracene	0.05	U	0.02	0.05
191-24-2	Benzo(g,h,i)perylene	0.05	U	0.02	0.05

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SEMI-VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 153989MB

Lab Name: Spectrum Analytical, Inc Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID: 11582MB.d Lab Sample ID: 153989MB

Instrument ID: SMSD04 Date Extracted: 11/19/12

Matrix: SOIL Date Analyzed: 11/20/12

Level:(low/med) LOW Time Analyzed: 1822

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	153990LCS	153990LCS	11582LCS.d	11/20/12	1902
2	FM0102D-CS	350760102	601-02.D	11/20/12	2211
3	FM0102E-CS	350760103	601-03.D	11/20/12	2235
4	CV0181A-CS	350760104	601-04.D	11/20/12	2259
5	CV0181B-CS	350760105	601-05.D	11/20/12	2322
6	CV0181C-CS	350760106	601-06.D	11/20/12	2346
7	FM0102C-CSD	350760101	601-01.D	11/21/12	0231

COMMENTS:

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SEMI-VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 154239MB

Lab Name: Spectrum Analytical, Inc Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID: 11613MB.d Lab Sample ID: 154239MB

Instrument ID: SMSD04 Date Extracted: 11/20/12

Matrix: WATER Date Analyzed: 11/20/12

Level:(low/med) LOW Time Analyzed: 2013

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	154240LCS	154240LCS	11613LCS.d	11/20/12	2113
2	154241LCSD	154241LCSD	11613LCSD.d	11/20/12	2133
3	RB-11-13-12	350760111	601-11.d	11/20/12	2153

COMMENTS:

2A

WATER SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3507601

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
154239MB	140.0						0
154240LCS	66.0						0
154241LCSD	68.0						0
RB-11-13-12	66.7						0

Control Limits

S1 = Benzo(e)pyrene-d12 50 - 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

Form II

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2A

SOIL SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3507601

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
153989MB	65.0						0
153990LCS	67.7						0
CV0181A-CS	64.1						0
CV0181B-CS	44.6 *						1
CV0181C-CS	39.1 *						1
FM0102C-CSD	54.0						0
FM0102D-CS	51.9						0
FM0102E-CS	45.1 *						1

Control Limits

S1 = Benzo(e)pyrene-d12 50 - 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

Form II

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP1.D DFTPP Injection Date: 11/20/12

Instrument ID: SMSD03 DFTPP Injection Time: 1650

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	25.6	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	31.9	
70	Less than 2.0% of mass 69	0	(0)1
127	10.0 - 80.0% of mass 198	43.8	
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	25.4	
365	Greater than 1.0% of mass 198	2.6	
441	0.0 - 24.0% of mass 442	13.6	(14.06)2
442	Greater than 50.0% of mass 198	96.5	
443	15.0 - 24.0% of mass 442	19.1	(19.83)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	STD1135485	47785	SSCAL4.D	11/20/12	1727
2	STD1135483	47782	SSCAL7.D	11/20/12	1752
3	STD1135480	47783	SSCAL6.D	11/20/12	1815
4	STD1135477	47784	SSCAL5.D	11/20/12	1839
5	STD1135471	47786	SSCAL3.D	11/20/12	1902
6	STD1135468	47787	SSCAL2.D	11/20/12	1926
7	STD1135465	47788	SSCAL1.D	11/20/12	1950
8	SSC1135487	47789	SSSEC.D	11/20/12	2013
9	FM0102D-CS	350760102	601-02.D	11/20/12	2211
10	FM0102E-CS	350760103	601-03.D	11/20/12	2235
11	CV0181A-CS	350760104	601-04.D	11/20/12	2259
12	CV0181B-CS	350760105	601-05.D	11/20/12	2322
13	CV0181C-CS	350760106	601-06.D	11/20/12	2346
14	FM0102C-CSD	350760101	601-01.D	11/21/12	0231

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP2.d DFTPP Injection Date: 11/20/12

Instrument ID: SMSD04 DFTPP Injection Time: 1552

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	44.8	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	56.8	
70	Less than 2.0% of mass 69	0.2	(0.28)1
127	10.0 - 80.0% of mass 198	49.7	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.8	
275	10.0 - 60.0% of mass 198	23.6	
365	Greater than 1.0% of mass 198	3.1	
441	0.0 - 24.0% of mass 442	11.6	(17.49)2
442	Greater than 50.0% of mass 198	66.4	
443	15.0 - 24.0% of mass 442	13.3	(20.08)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	CCV1135494	47785	SSCAL4.d	11/20/12	1610
2	153989MB	153989MB	11582MB.d	11/20/12	1822
3	153990LCS	153990LCS	11582LCS.d	11/20/12	1902
4	154239MB	154239MB	11613MB.d	11/20/12	2013
5	154240LCS	154240LCS	11613LCS.d	11/20/12	2113
6	154241LCSD	154241LCSD	11613LCSD.	11/20/12	2133
7	RB-11-13-12	350760111	601-11.d	11/20/12	2153

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP2.D DFTPP Injection Date: 11/14/12

Instrument ID: SMSD04 DFTPP Injection Time: 1935

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	39.3	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	50.1	
70	Less than 2.0% of mass 69	0	(0)1
127	10.0 - 80.0% of mass 198	47.4	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	7	
275	10.0 - 60.0% of mass 198	25.5	
365	Greater than 1.0% of mass 198	3.5	
441	0.0 - 24.0% of mass 442	13.5	(16.9)2
442	Greater than 50.0% of mass 198	79.8	
443	15.0 - 24.0% of mass 442	16.1	(20.21)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	STD1135484	47782	SSCAL7.d	11/14/12	1953
2	STD1135481	47783	SSCAL6.d	11/14/12	2014
3	STD1135478	47784	SSCAL5.d	11/14/12	2035
4	STD1135474	47785	SSCAL4.d	11/14/12	2056
5	STD1135472	47786	SSCAL3.d	11/14/12	2117
6	STD1135469	47787	SSCAL2.d	11/14/12	2138
7	STD1135466	47788	SSCAL1.d	11/14/12	2158
8	SSC1135488	47789	SSSEC.d	11/14/12	2219

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID (Standard): SSCAL4.D Date Analyzed: 11/20/2012

Instrument ID: SMSD03 Time Analyzed: 17:27

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

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	35031		9.99						
	UPPER LIMIT	70062		10.49						
	LOWER LIMIT	17515.5		9.49						
	EPA SAMPLE NO.									
1	FM0102D-CS	37706		9.99						
2	FM0102E-CS	42339		9.99						
3	CV0181A-CS	34002		9.99						
4	CV0181B-CS	35168		9.99						
5	CV0181C-CS	39263		9.99						
6	FM0102C-CSD	41095		9.99						

IS1 = Fluoranthene-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: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID (Standard): SSCAL4.d Date Analyzed: 11/14/2012

Instrument ID: SMSD04 Time Analyzed: 20:56

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

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	9469		9.78						
	UPPER LIMIT	18938		10.28						
	LOWER LIMIT	4734.5		9.28						
	EPA SAMPLE NO.									
1	153989MB	7553		9.76						
2	153990LCS	7538		9.76						
3	154239MB	7677		9.76						
4	154240LCS	7893		9.76						
5	154241LCSD	7505		9.76						
6	RB-11-13-12	6621		9.75						

IS1 = Fluoranthene-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

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SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 11/14/12

Instrument ID: SMSD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.41 S2 : S3 : S4 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #	S3 RT #	S4 RT #
1	DFTPP2	47137	DFTPP2.D	11/14/12	1935				
2	STD1135484	47782	SSCAL7.d	11/14/12	1953	12.42			
3	STD1135481	47783	SSCAL6.d	11/14/12	2014	12.42			
4	STD1135478	47784	SSCAL5.d	11/14/12	2035	12.41			
5	STD1135474	47785	SSCAL4.d	11/14/12	2056	12.41			
6	STD1135472	47786	SSCAL3.d	11/14/12	2117	12.41			
7	STD1135469	47787	SSCAL2.d	11/14/12	2138	12.41			
8	STD1135466	47788	SSCAL1.d	11/14/12	2158	12.41			
9	SSC1135488	47789	SSSEC.d	11/14/12	2219	12.41			
10	DFTPP2	47137	DFTPP2.d	11/20/12	1552				
11	CCV1135494	47785	SSCAL4.d	11/20/12	1610	12.4			
12	153989MB	153989MB	11582MB.d	11/20/12	1822	12.4			
13	153990LCS	153990LCS	11582LCS.d	11/20/12	1902	12.38			
14	154239MB	154239MB	11613MB.d	11/20/12	2013	12.4			
15	154240LCS	154240LCS	11613LCS.d	11/20/12	2113	12.38			
16	154241LCSD	154241LCSD	11613LCSD.d	11/20/12	2133	12.38			
17	RB-11-13-12	350760111	601-11.d	11/20/12	2153	12.38			

QC LIMITS

S1 = Benzo(e)pyrene-d12 (+/- 0.59 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

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FORM VIII

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SEMI-VOLATILE ORGANIC ANALYTICAL SEQUENCE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 11/20/12

Instrument ID: SMSD03

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 12.62 S2 : S3 : S4 :

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #	S3 RT #	S4 RT #
1	DFTPP1	DFTPP1	DFTPP1.D	11/20/12	1650				
2	STD1135485	47785	SSCAL4.D	11/20/12	1727	12.62			
3	STD1135483	47782	SSCAL7.D	11/20/12	1752	12.62			
4	STD1135480	47783	SSCAL6.D	11/20/12	1815	12.62			
5	STD1135477	47784	SSCAL5.D	11/20/12	1839	12.62			
6	STD1135471	47786	SSCAL3.D	11/20/12	1902	12.62			
7	STD1135468	47787	SSCAL2.D	11/20/12	1926	12.62			
8	STD1135465	47788	SSCAL1.D	11/20/12	1950	12.62			
9	SSC1135487	47789	SSSEC.D	11/20/12	2013	12.62			
10	FM0102D-CS	350760102	601-02.D	11/20/12	2211	12.62			
11	FM0102E-CS	350760103	601-03.D	11/20/12	2235	12.62			
12	CV0181A-CS	350760104	601-04.D	11/20/12	2259	12.62			
13	CV0181B-CS	350760105	601-05.D	11/20/12	2322	12.62			
14	CV0181C-CS	350760106	601-06.D	11/20/12	2346	12.62			
15	FM0102C-CSD	350760101	601-01.D	11/21/12	0231	12.62			
16	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/21/12	0255				
17	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/21/12	0319				

QC LIMITS

S1 = Benzo(e)pyrene-d12 (+/- 0.6 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits

291112 1643

FORM VIII

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 153990LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/Kg	LCS CONCENTRATION ug/Kg	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	24.8	20.2	81.5			44 - 140
2-Methylnaphthalene	24.8	22	88.7			31 - 149
1-Methylnaphthalene	24.8	21.2	85.5			49 - 127
Acenaphthylene	24.8	23.8	96.0			45 - 129
Acenaphthene	24.8	22.3	89.9			47 - 127
Fluorene	24.8	23	92.7			52 - 125
Phenanthrene	24.8	21.7	87.5			48 - 131
Anthracene	24.8	22.1	89.1			56 - 123
Fluoranthene	24.8	22.3	89.9			46 - 135
Pyrene	24.8	22.2	89.5			45 - 133
Benzo(a)anthracene	24.8	25.2	102.0			39 - 140
Chrysene	24.8	23	92.7			50 - 132
Benzo(b)fluoranthene	24.8	23	92.7			40 - 143
Benzo(k)fluoranthene	24.8	28.3	114.0			49 - 131
Benzo(a)pyrene	24.8	25.7	104.0			52 - 130
Indeno(1,2,3-cd)pyrene	24.8	26.3	106.0			48 - 135
Dibenzo(a,h)anthracene	24.8	26	105.0			51 - 130
Benzo(g,h,i)perylene	24.8	25.6	103.0			48 - 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:

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154240LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.42	84.0			68 - 125
2-Methylnaphthalene	0.5	0.44	88.0			47 - 121
1-Methylnaphthalene	0.5	0.43	86.0			68 - 115
Acenaphthylene	0.5	0.48	96.0			45 - 115
Acenaphthene	0.5	0.45	90.0			64 - 110
Fluorene	0.5	0.46	92.0			59 - 120
Phenanthrene	0.5	0.43	86.0			31 - 147
Anthracene	0.5	0.43	86.0			61 - 108
Fluoranthene	0.5	0.43	86.0			63 - 114
Pyrene	0.5	0.43	86.0			59 - 120
Benzo(a)anthracene	0.5	0.49	98.0			53 - 110
Chrysene	0.5	0.44	88.0			71 - 115
Benzo(b)fluoranthene	0.5	0.45	90.0			65 - 110
Benzo(k)fluoranthene	0.5	0.52	104.0			70 - 111
Benzo(a)pyrene	0.5	0.49	98.0			55 - 109
Indeno(1,2,3-cd)pyrene	0.5	0.46	92.0			66 - 110
Dibenzo(a,h)anthracene	0.5	0.39	78.0			60 - 104
Benzo(g,h,i)perylene	0.5	0.4	80.0			68 - 115

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: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 154241LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	0.5	0.43	86.0	2.4	20	68 - 125
2-Methylnaphthalene	0.5	0.45	90.0	2.2	20	47 - 121
1-Methylnaphthalene	0.5	0.44	88.0	2.3	20	68 - 115
Acenaphthylene	0.5	0.48	96.0	0.0	20	45 - 115
Acenaphthene	0.5	0.46	92.0	2.2	20	64 - 110
Fluorene	0.5	0.46	92.0	0.0	20	59 - 120
Phenanthrene	0.5	0.45	90.0	4.5	20	31 - 147
Anthracene	0.5	0.46	92.0	6.7	20	61 - 108
Fluoranthene	0.5	0.45	90.0	4.5	20	63 - 114
Pyrene	0.5	0.44	88.0	2.3	20	59 - 120
Benzo(a)anthracene	0.5	0.52	104.0	5.9	20	53 - 110
Chrysene	0.5	0.47	94.0	6.6	20	71 - 115
Benzo(b)fluoranthene	0.5	0.51	102.0	12.5	20	65 - 110
Benzo(k)fluoranthene	0.5	0.49	98.0	5.9	20	70 - 111
Benzo(a)pyrene	0.5	0.5	100.0	2.0	20	55 - 109
Indeno(1,2,3-cd)pyrene	0.5	0.48	96.0	4.3	20	66 - 110
Dibenzo(a,h)anthracene	0.5	0.42	84.0	7.4	20	60 - 104
Benzo(g,h,i)perylene	0.5	0.42	84.0	4.9	20	68 - 115

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: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

FM0102C-CSDMS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfun

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC #	QC LIMITS REC.
Naphthalene	28	16	34	63.0	59 - 111
2-Methylnaphthalene	28	12	29	58.8	54 - 145
1-Methylnaphthalene	28	9.6	26	59.2 *	71 - 132
Acenaphthylene	28	0	21	73.2	54 - 115
Acenaphthene	28	4.2	22	62.3	57 - 119
Fluorene	28	5.0	21	57.7 *	59 - 118
Phenanthrene	28	68	67	0.0 *	54 - 112
Anthracene	28	15	24	33.5 *	40 - 138
Fluoranthene	28	100	70	0.0 *	55 - 132
Pyrene	28	77	59	0.0 *	55 - 123
Benzo(a)anthracene	28	60	52	0.0 *	53 - 119
Chrysene	28	65	52	0.0 *	34 - 140
Benzo(b)fluoranthene	28	84	70	0.0 *	50 - 171
Benzo(k)fluoranthene	28	30	36	22.9 *	32 - 158
Benzo(a)pyrene	28	51	47	0.0 *	20 - 120
Indeno(1,2,3-cd)pyrene	28	26	35	31.7	19 - 122
Dibenzo(a,h)anthracene	28	5.3	20	53.2	41 - 114
Benzo(g,h,i)perylene	28	33	37	14.4 *	50 - 150

Spike Recovery: 12 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

181212 1642

3

SEMI-VOLATILE ORGANIC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Super | FM0102C-CSDMSD

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Naphthalene	28	33	57.3 *	5.4	30	59 - 111
2-Methylnaphthalene	28	30	63.0	3.4	30	54 - 145
1-Methylnaphthalene	28	27	63.0 *	3.4	30	71 - 132
Acenaphthylene	28	23	80.8	8.7	30	54 - 115
Acenaphthene	28	21	59.1	5.2	30	57 - 119
Fluorene	28	21	56.2 *	2.8	30	59 - 118
Phenanthrene	28	60	0.0 *	10.7	30	54 - 112
Anthracene	28	24	32.0 *	2.1	30	40 - 138
Fluoranthene	28	67	0.0 *	3.5	30	55 - 132
Pyrene	28	55	0.0 *	8.6	30	55 - 123
Benzo(a)anthracene	28	48	0.0 *	8.7	30	53 - 119
Chrysene	28	49	0.0 *	4.9	30	34 - 140
Benzo(b)fluoranthene	28	56	0.0 *	23.1	30	50 - 171
Benzo(k)fluoranthene	28	30	1.8 *	18.1	30	32 - 158
Benzo(a)pyrene	28	40	0.0 *	16.7	30	20 - 120
Indeno(1,2,3-cd)pyrene	28	28	7.5 *	21.9	30	19 - 122
Dibenzo(a,h)anthracene	28	16	38.8 *	23.0	30	41 - 114
Benzo(g,h,i)perylene	28	35	7.1 *	5.9	30	50 - 150

RPD: 0 out of 18 outside limits

Spike Recovery: 15 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

181212 1642

8270 SIM Standards Data

291112 1643

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD03 Calibration Date Begin: 11/20/12 End: 11/20/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1727 End: 1950

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

LAB FILE ID: RRF0.02 =SSCAL1.D RRF0.05 =SSCAL2.D
RRF0.1 =SSCAL3.D RRF0.5 =SSCAL4.D RRF1 =SSCAL5.D

COMPOUND		RRF0.02	RRF0.05	RRF0.1	RRF0.5	RRF1	$\overline{RRF}$	%RSD OR R^2	RSD
Naphthalene		1.825	1.716	1.766	1.671	1.477			
2-Methylnaphthalene		1.236	1.168	1.142	1.067	1.071			
1-Methylnaphthalene		1.211	1.058	1.155	0.989	0.926			
Acenaphthylene		1.871	1.732	1.842	1.630	1.500			
Acenaphthene	*	1.142	1.074	1.107	1.020	0.929		*	
Fluorene		1.343	1.156	1.247	1.167	1.066			
Phenanthrene		1.289	1.143	1.173	1.021	0.969			
Anthracene		1.162	1.086	1.136	1.065	0.967			
Fluoranthene	*	1.349	1.267	1.188	1.178	1.161		*	
Pyrene		1.478	1.326	1.357	1.185	1.192			
Benzo(a)anthracene		0.320	0.327	0.303	0.288	0.282			
Chrysene		0.363	0.360	0.339	0.314	0.307			
Benzo(b)fluoranthene		1.357	1.161	1.172	1.132	0.946			
Benzo(k)fluoranthene		1.444	1.659	1.370	1.199	1.251			
Benzo(a)pyrene	*	1.224	1.083	1.175	1.045	0.969		*	
Indeno(1,2,3-cd)pyrene		1.490	1.190	1.208	1.371	1.269			
Dibenzo(a,h)anthracene		1.262	0.972	1.014	1.115	1.052			
Benzo(g,h,i)perylene		1.173	1.077	1.039	1.066	0.970			
Benzo(e)pyrene-d12(SURR)		1.287	1.214	1.162	1.183	1.035			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD03 Calibration Date Begin: 11/20/12 End: 11/20/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1727 End: 1950

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

LAB FILE ID: RRF5 =SSCAL6.D RRF10 =SSCAL7.D

COMPOUND		RRF5	RRF10				$\overline{RRF}$	%RSD OR R^2		RSD
Naphthalene		1.491	1.339				1.61225	11.1		
2-Methylnaphthalene		1.037	0.956				1.09659	8.5		
1-Methylnaphthalene		0.975	0.914				1.03255	11		
Acenaphthylene		1.505	1.387				1.63799	11.3		
Acenaphthene	*	0.973	0.889				1.01916	9.2	*	
Fluorene		1.163	1.048				1.17002	8.7		
Phenanthrene		1.038	0.826				1.06562	14.2		
Anthracene		1.036	0.826				1.03982	10.9		
Fluoranthene	*	1.036	1.026				1.17212	9.9	*	
Pyrene		1.248	1.074				1.26586	10.5		
Benzo(a)anthracene		0.282	0.278				0.29698	0.99996		
Chrysene		0.318	0.304				0.32947	7.5		
Benzo(b)fluoranthene		1.046	0.859				1.09609	0.99047		
Benzo(k)fluoranthene		1.089	0.955				1.28104	18.3		<-
Benzo(a)pyrene	*	1.005	0.830				1.04744	12.5	*	
Indeno(1,2,3-cd)pyrene		1.170	1.010				1.24389	12.3		
Dibenzo(a,h)anthracene		0.967	0.843				1.03219	0.99536		
Benzo(g,h,i)perylene		0.987	0.875				1.02683	9.2		
Benzo(e)pyrene-d12(SURR)		1.087	0.885				1.1219	11.8		

Average Used: 9.5

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/14/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1953 End: 2158

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

LAB FILE ID: RRF0.02 =SSCAL1.d RRF0.05 =SSCAL2.d
RRF0.1 =SSCAL3.d RRF0.5 =SSCAL4.d RRF1 =SSCAL5.d

COMPOUND		RRF0.02	RRF0.05	RRF0.1	RRF0.5	RRF1	$\overline{RRF}$	%RSD OR R^2	RSD
Naphthalene		1.042	1.050	0.933	0.879	0.933			
2-Methylnaphthalene		1.200	1.158	1.131	1.100	1.098			
1-Methylnaphthalene		1.133	1.053	1.040	1.006	1.011			
Acenaphthylene		1.603	1.567	1.557	1.584	1.606			
Acenaphthene	*	1.150	1.105	1.127	1.097	1.102		*	
Fluorene		1.377	1.292	1.327	1.309	1.283			
Phenanthrene		1.258	1.163	1.113	1.068	1.097			
Anthracene		1.051	1.018	0.980	0.929	0.980			
Fluoranthene	*	1.454	1.254	1.265	1.202	1.186		*	
Pyrene		1.459	1.322	1.253	1.225	1.234			
Benzo(a)anthracene		0.270	0.269	0.269	0.281	0.283			
Chrysene		0.349	0.339	0.328	0.339	0.319			
Benzo(b)fluoranthene		1.204	1.143	1.122	1.199	1.162			
Benzo(k)fluoranthene		1.405	1.389	1.262	1.304	1.286			
Benzo(a)pyrene	*	0.973	0.991	0.928	0.971	0.973		*	
Indeno(1,2,3-cd)pyrene		1.169	1.185	1.080	1.088	1.077			
Dibenzo(a,h)anthracene		0.968	0.949	0.884	0.890	0.887			
Benzo(g,h,i)perylene		1.115	1.102	0.917	0.914	0.932			
Benzo(e)pyrene-d12(SURR)		1.086	1.141	1.069	1.087	1.040			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/14/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 1953 End: 2158

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

LAB FILE ID: RRF5 =SSCAL6.d RRF10 =SSCAL7.d

COMPOUND	RRF5	RRF10				$\overline{RRF}$	%RSD OR R^2	RSD
Naphthalene	1.024	1.010				0.98138	6.7	
2-Methylnaphthalene	1.136	1.153				1.13946	3.1	
1-Methylnaphthalene	1.033	1.042				1.04572	4	
Acenaphthylene	1.722	1.779				1.63114	5.2	
Acenaphthene *	1.110	1.136				1.11822	1.8 *	
Fluorene	1.315	1.364				1.32378	2.7	
Phenanthrene	1.162	1.172				1.14751	5.4	
Anthracene	1.112	1.135				1.02939	7.3	
Fluoranthene *	1.250	1.290				1.27177	6.9 *	
Pyrene	1.302	1.333				1.3039	6.2	
Benzo(a)anthracene	0.313	0.327				0.28776	8.1	
Chrysene	0.348	0.364				0.34066	4.3	
Benzo(b)fluoranthene	1.169	1.487				1.21207	10.3	
Benzo(k)fluoranthene	1.589	1.344				1.36855	8.1	
Benzo(a)pyrene *	1.090	1.160				1.01221	8.1 *	
Indeno(1,2,3-cd)pyrene	1.233	1.328				1.16586	8	
Dibenzo(a,h)anthracene	1.009	1.088				0.95363	8	
Benzo(g,h,i)perylene	1.046	1.108				1.01921	9.3	
==========								
Benzo(e)pyrene-d12(SURR)	1.141	1.175				1.1056	4.3	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/14/12 Time: 2219

CCV ID: SSC1135488 Lab File ID: SSSEC.d Init. Calib. Date Begin: 11/14/12 End: 11/14/12

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	RRF	
Naphthalene		0.98138	0.95507	2.7	AVRG		
2-Methylnaphthalene		1.13946	0.89939	21.1	AVRG		
1-Methylnaphthalene		1.04572	0.93207	10.9	AVRG		
Acenaphthylene		1.63114	1.534	6.0	AVRG		
Acenaphthene	*	1.11822	1.022	8.6	AVRG		*
Fluorene		1.32378	1.309	1.1	AVRG		
Phenanthrene		1.14751	1.281	11.6	AVRG		
Anthracene		1.02939	0.91559	11.1	AVRG		
Fluoranthene	*	1.27177	1.254	1.4	AVRG		*
Pyrene		1.3039	1.149	11.9	AVRG		
Benzo(a)anthracene		0.28776	0.24852	13.6	AVRG		
Chrysene		0.34066	0.32201	5.5	AVRG		
Benzo(b)fluoranthene		1.21207	1.101	9.2	AVRG		
Benzo(k)fluoranthene		1.36855	1.218	11.0	AVRG		
Benzo(a)pyrene	*	1.01221	0.89322	11.8	AVRG		*
Indeno(1,2,3-cd)pyrene		1.16586	0.97949	16.0	AVRG		
Dibenzo(a,h)anthracene		0.95363	0.94206	1.2	AVRG		
Benzo(g,h,i)perylene		1.01921	0.90509	11.2	AVRG		
==========							
Benzo(e)pyrene-d12(SURR)		1.1056	1.205	9.0	AVRG		

Average Used: 9.2

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/20/12 Time: 1610

CCV ID: CCV1135494 Lab File ID: SSCAL4.d Init. Calib. Date Begin: 11/14/12 End: 11/14/12

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		RRF
Naphthalene		0.98138	0.78624	19.9	AVRG		
2-Methylnaphthalene		1.13946	1.081	5.1	AVRG		
1-Methylnaphthalene		1.04572	0.93775	10.3	AVRG		
Acenaphthylene		1.63114	1.518	6.9	AVRG		
Acenaphthene	*	1.11822	0.95452	14.6	AVRG	*	
Fluorene		1.32378	1.284	3.0	AVRG		
Phenanthrene		1.14751	1.007	12.2	AVRG		
Anthracene		1.02939	0.84409	18.0	AVRG		
Fluoranthene	*	1.27177	1.029	19.1	AVRG	*	
Pyrene		1.3039	1.196	8.3	AVRG		
Benzo(a)anthracene		0.28776	0.23649	17.8	AVRG		
Chrysene		0.34066	0.26716	21.6	AVRG		
Benzo(b)fluoranthene		1.21207	1.281	5.7	AVRG		
Benzo(k)fluoranthene		1.36855	1.254	8.4	AVRG		
Benzo(a)pyrene	*	1.01221	1.066	5.3	AVRG	*	
Indeno(1,2,3-cd)pyrene		1.16586	1.039	10.9	AVRG		
Dibenzo(a,h)anthracene		0.95363	0.97241	2.0	AVRG		
Benzo(g,h,i)perylene		1.01921	1.077	5.7	AVRG		
==========							
Benzo(e)pyrene-d12(SURR)		1.1056	1.104	0.1	AVRG		

Average Used: 10.3

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD03 CalibrationDate: 11/20/12 Time: 2013

CCV ID: SSC1135487 Lab File ID: SSSEC.D Init. Calib. Date Begin: 11/20/12 End: 11/20/12

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	RRF	
Naphthalene		1.61225	1.756	8.9	AVRG		
2-Methylnaphthalene		1.09659	1.047	4.5	AVRG		
1-Methylnaphthalene		1.03255	1.084	5.0	AVRG		
Acenaphthylene		1.63799	1.813	10.7	AVRG		
Acenaphthene	*	1.01916	1.047	2.7	AVRG		*
Fluorene		1.17002	1.17	0.0	AVRG		
Phenanthrene		1.06562	1.145	7.4	AVRG		
Anthracene		1.03982	1.011	2.8	AVRG		
Fluoranthene	*	1.17212	1.259	7.4	AVRG		*
Pyrene		1.26586	1.313	3.7	AVRG		
Benzo(a)anthracene		0.5	0.525	5.0	LINR		
Chrysene		0.32947	0.34035	3.3	AVRG		
Benzo(b)fluoranthene		0.5	0.533	6.6	LINR		
Benzo(k)fluoranthene		1.28104	1.359	6.1	AVRG		
Benzo(a)pyrene	*	1.04744	1.119	6.8	AVRG		*
Indeno(1,2,3-cd)pyrene		1.24389	1.36	9.3	AVRG		
Dibenzo(a,h)anthracene		0.5	0.533	6.6	LINR		
Benzo(g,h,i)perylene		1.02683	1.174	14.3	AVRG		
==========							
Benzo(e)pyrene-d12(SURR)		1.1219	1.211	7.9	AVRG		

8270 Semi-Volatile Organics

291112 1643

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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 Spectrum Analytical's Standard Operating Procedures and Method SW8270D.

IV. PREPARATION

Water samples were prepared by SW846 EPA 3510 for 8270 semi-volatile analysis.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met. Spectrum Analytical Inc. does not analyze a low calibration standard at the requested RL for all analytes. The low calibration standard is 10 ug/L for the following analyte: 4,6-Dinitro-2-methylphenol.

B. Blanks:

All acceptance criteria were met.

C. Surrogates:

All acceptance criteria were met.

D. Spikes:

1. Laboratory Control Spikes (LCS)

All acceptance criteria were met with the exception of:

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

LCS 154237LCS was analyzed with the water samples extracted on 11/20/12. The following analyte was recovered above criteria: 2,4-Dinitrophenol at 124 % with criteria of (12-114). Since this compound was recovered above criteria and was not detected in the sample, no further action was taken.

LCS 154238LCSD was analyzed with the water samples extracted on 11/20/12. The following analyte had marginal exceedance limit failures: 2,4-Dinitrophenol at 132 % with criteria of (0-131). Since this compound was recovered above criteria and was not detected in the sample, no further action was taken.

Samples coded accordingly.

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

No spikes requested by client.

E. Internal Standards:

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.

SIGNED: DATE: 11/29/2012

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

MANUAL INTEGRATION SUMMARY

The following analytes were manually integrated by the chemist.

Sample: 154237LCS Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Sample: 154237LCS Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Sample: 154238LCSD Analyte: Benzo(a)pyrene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Sample: 154238LCSD Analyte: N-Nitroso-di-n-propylamine
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Anthracene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: Benzo(a)pyrene
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: Butylbenzylphthalate
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Carbazole
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: SSC1135505 Analyte: Chrysene-d12
Reason: Target peak was not properly identified, more than one peak in retention time window
Calibration Sample: SSC1135505 Analyte: N-Nitroso-di-n-propylamine
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135497 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135497 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135497 Analyte: Hexachlorocyclopentadiene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135498 Analyte: Benzo(b)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135498 Analyte: Benzo(k)fluoranthene
Reason: Split Peak
Calibration Sample: STD1135498 Analyte: Naphthalene
Reason: Baseline integration, needs re-enforced due to interference on target peak
Calibration Sample: STD1135500 Analyte: N-Nitroso-di-n-propylamine
Reason: Split Peak
Calibration Sample: STD1135502 Analyte: N-Nitroso-di-n-propylamine
Reason: Split Peak

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

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

CHEMIST: DATE: 11/29/2012

SECTION LEADER: DATE: 11/29/2012

SEMI-VOLATILE ORGANIC CROSS REFERENCE TABLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Method: 8270

EPA Sample No	Lab Sample ID
RB-11-13-12	350760111

291112 1643

8270 Sample Data

291112 1643

1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	4.1	U	3.1	4.1
108-95-2	Phenol	4.1	U	1.7	4.1
95-57-8	2-Chlorophenol	4.1	U	3	4.1
108-60-1	2,2'-Oxybis(1-chloropropane)	4.1	U	3.4	4.1
95-48-7	2-Methylphenol	4.1	U	2.6	4.1
67-72-1	Hexachloroethane	4.1	U	2.6	4.1
621-64-7	N-Nitroso-di-n-propylamine	4.1	U	3.1	4.1
106-44-5	4-Methylphenol	10.2	U	6.2	10.2
98-95-3	Nitrobenzene	4.1	U	1	4.1
78-59-1	Isophorone	4.1	U	3.9	4.1
88-75-5	2-Nitrophenol	4.1	U	0.78	4.1
105-67-9	2,4-Dimethylphenol	4.1	U	2.3	4.1
111-91-1	Bis(2-chloroethoxy)methane	4.1	U	3.6	4.1
120-83-2	2,4-Dichlorophenol	4.1	U	3.2	4.1
91-20-3	Naphthalene	4.1	U	2.8	4.1
106-47-8	4-Chloroaniline	4.1	U	3.1	4.1
91-57-6	2-Methylnaphthalene	4.1	U	2.8	4.1
87-68-3	Hexachlorobutadiene	4.1	U	2.6	4.1
59-50-7	4-Chloro-3-methylphenol	4.1	U	2.8	4.1
90-12-0	1-Methylnaphthalene	4.1	U	2.8	4.1
77-47-4	Hexachlorocyclopentadiene	4.1	U	0.84	4.1
88-06-2	2,4,6-Trichlorophenol	4.1	U	0.86	4.1
95-95-4	2,4,5-Trichlorophenol	4.1	U	3.5	4.1
91-58-7	2-Chloronaphthalene	4.1	U	2.8	4.1
88-74-4	2-Nitroaniline	4.1	U	3.1	4.1
208-96-8	Acenaphthylene	4.1	U	3.1	4.1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
131-11-3	Dimethylphthalate	4.1	U	3.1	4.1
606-20-2	2,6-Dinitrotoluene	4.1	U	2.8	4.1
83-32-9	Acenaphthene	4.1	U	2.8	4.1
99-09-2	3-Nitroaniline	4.1	U	2.8	4.1
51-28-5	2,4-Dinitrophenol	20.4	U	5.7	20.4
132-64-9	Dibenzofuran	4.1	U	2.8	4.1
121-14-2	2,4-Dinitrotoluene	4.1	U	2.8	4.1
100-02-7	4-Nitrophenol	4.1	U	4.1	4.1
86-73-7	Fluorene	4.1	U	3	4.1
7005-72-3	4-Chlorophenyl-phenylether	4.1	U	2.6	4.1
84-66-2	Diethylphthalate	4.1	U	2.8	4.1
100-01-6	4-Nitroaniline	4.1	U	1.5	4.1
534-52-1	4,6-Dinitro-2-methylphenol	4.1	U	4.1	4.1
86-30-6	N-Nitrosodiphenylamine	4.1	U	3.5	4.1
101-55-3	4-Bromophenyl-phenylether	4.1	U	2.3	4.1
118-74-1	Hexachlorobenzene	4.1	U	0.42	4.1
87-86-5	Pentachlorophenol	10.2	U	1.4	10.2
85-01-8	Phenanthrene	4.1	U	2.8	4.1
120-12-7	Anthracene	4.1	U	2.8	4.1
84-74-2	Di-n-butylphthalate	4.1	U	0.88	4.1
206-44-0	Fluoranthene	4.1	U	2.8	4.1
129-00-0	Pyrene	4.1	U	1.2	4.1
85-68-7	Butylbenzylphthalate	4.1	U	3.1	4.1
91-94-1	3,3'-Dichlorobenzidine	4.1	U	2.8	4.1
56-55-3	Benzo(a)anthracene	4.1	U	2.6	4.1
218-01-9	Chrysene	4.1	U	3	4.1

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111 Lab File ID: 601-11.d

Sample wt/vol: 980 Units: ML Date Received: 11/15/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2153

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
117-81-7	Bis(2-ethylhexyl)phthalate	6.1	U	4.5	6.1
117-84-0	Di-n-octylphthalate	4.1	U	2	4.1
205-99-2	Benzo(b)fluoranthene	4.1	U	2.6	4.1
207-08-9	Benzo(k)fluoranthene	4.1	U	3	4.1
50-32-8	Benzo(a)pyrene	4.1	U	2.8	4.1
193-39-5	Indeno(1,2,3-cd)pyrene	4.1	U	1.6	4.1
53-70-3	Dibenzo(a,h)anthracene	4.1	U	1.2	4.1
191-24-2	Benzo(g,h,i)perylene	4.1	U	2.6	4.1
98-86-2	Acetophenone	4.1	U	4.1	4.1
95-94-3	1,2,4,5-Tetrachlorobenzene	4.1	U	2.2	4.1
86-74-8	Carbazole	4.1	U	3.2	4.1
105-60-2	Caprolactam	4.1	U	4.1	4.1
92-52-4	1,1'-Biphenyl	4.1	U	0.78	4.1
1912-24-9	Atrazine	4.1	U	0.55	4.1
100-52-7	Benzaldehyde	4.1	U	0.5	4.1

8270 QC Summary

291112 1643

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 154236MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154236MB Lab File ID: 111612MB.d

Sample wt/vol: 1000 Units: ML Date Received: 11/20/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2013

PercentSolids: 0 decanted : ( ) Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
111-44-4	Bis(2-chloroethyl)ether	4	U	3	4
108-95-2	Phenol	4	U	1.7	4
95-57-8	2-Chlorophenol	4	U	2.9	4
108-60-1	2,2'-Oxybis(1-chloropropane)	4	U	3.3	4
95-48-7	2-Methylphenol	4	U	2.6	4
67-72-1	Hexachloroethane	4	U	2.6	4
621-64-7	N-Nitroso-di-n-propylamine	4	U	3	4
106-44-5	4-Methylphenol	10	U	6.1	10
98-95-3	Nitrobenzene	4	U	1	4
78-59-1	Isophorone	4	U	3.8	4
88-75-5	2-Nitrophenol	4	U	0.77	4
105-67-9	2,4-Dimethylphenol	4	U	2.3	4
111-91-1	Bis(2-chloroethoxy)methane	4	U	3.5	4
120-83-2	2,4-Dichlorophenol	4	U	3.1	4
91-20-3	Naphthalene	4	U	2.8	4
106-47-8	4-Chloroaniline	4	U	3	4
91-57-6	2-Methylnaphthalene	4	U	2.8	4
87-68-3	Hexachlorobutadiene	4	U	2.5	4
59-50-7	4-Chloro-3-methylphenol	4	U	2.7	4
90-12-0	1-Methylnaphthalene	4	U	2.7	4
77-47-4	Hexachlorocyclopentadiene	4	U	0.82	4
88-06-2	2,4,6-Trichlorophenol	4	U	0.84	4
95-95-4	2,4,5-Trichlorophenol	4	U	3.4	4
91-58-7	2-Chloronaphthalene	4	U	2.8	4
88-74-4	2-Nitroaniline	4	U	3	4
208-96-8	Acenaphthylene	4	U	3	4
131-11-3	Dimethylphthalate	4	U	3	4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 154236MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154236MB Lab File ID: 111612MB.d

Sample wt/vol: 1000 Units: ML Date Received: 11/20/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2013

PercentSolids: 0 decanted : ( ) Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
606-20-2	2,6-Dinitrotoluene	4	U	2.8	4
83-32-9	Acenaphthene	4	U	2.8	4
99-09-2	3-Nitroaniline	4	U	2.8	4
51-28-5	2,4-Dinitrophenol	20	U	5.6	20
132-64-9	Dibenzofuran	4	U	2.7	4
121-14-2	2,4-Dinitrotoluene	4	U	2.8	4
100-02-7	4-Nitrophenol	4	U	4	4
86-73-7	Fluorene	4	U	2.9	4
7005-72-3	4-Chlorophenyl-phenylether	4	U	2.5	4
84-66-2	Diethylphthalate	4	U	2.8	4
100-01-6	4-Nitroaniline	4	U	1.5	4
534-52-1	4,6-Dinitro-2-methylphenol	4	U	4	4
86-30-6	N-Nitrosodiphenylamine	4	U	3.4	4
101-55-3	4-Bromophenyl-phenylether	4	U	2.3	4
118-74-1	Hexachlorobenzene	4	U	0.41	4
87-86-5	Pentachlorophenol	10	U	1.4	10
85-01-8	Phenanthrene	4	U	2.8	4
120-12-7	Anthracene	4	U	2.8	4
84-74-2	Di-n-butylphthalate	4	U	0.86	4
206-44-0	Fluoranthene	4	U	2.8	4
129-00-0	Pyrene	4	U	1.2	4
85-68-7	Butylbenzylphthalate	4	U	3	4
91-94-1	3,3'-Dichlorobenzidine	4	U	2.7	4
56-55-3	Benzo(a)anthracene	4	U	2.6	4
218-01-9	Chrysene	4	U	2.9	4
117-81-7	Bis(2-ethylhexyl)phthalate	6	U	4.4	6
117-84-0	Di-n-octylphthalate	4	U	2	4

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: 154236MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154236MB Lab File ID: 111612MB.d

Sample wt/vol: 1000 Units: ML Date Received: 11/20/12

Concentrated Extract Volume: 1 Date Extracted: 11/20/12

Level:(low/med) LOW Date Analyzed: 11/20/12 Time: 2013

PercentSolids: 0 decanted : (Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

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

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
205-99-2	Benzo(b)fluoranthene	4	U	2.6	4
207-08-9	Benzo(k)fluoranthene	4	U	2.9	4
50-32-8	Benzo(a)pyrene	4	U	2.8	4
193-39-5	Indeno(1,2,3-cd)pyrene	4	U	1.6	4
53-70-3	Dibenzo(a,h)anthracene	4	U	1.2	4
191-24-2	Benzo(g,h,i)perylene	4	U	2.6	4
98-86-2	Acetophenone	4	U	4	4
95-94-3	1,2,4,5-Tetrachlorobenzene	4	U	2.2	4
86-74-8	Carbazole	4	U	3.1	4
105-60-2	Caprolactam	4	U	4	4
92-52-4	1,1'-Biphenyl	4	U	0.76	4
1912-24-9	Atrazine	4	U	0.54	4
100-52-7	Benzaldehyde	4	U	0.49	4

4

SEMI-VOLATILE ORGANIC METHOD BLANK SUMMARY

EPA Sample No.: 154236MB

Lab Name: Spectrum Analytical, Inc Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID: 111612MB.d Lab Sample ID: 154236MB

Instrument ID: SMSD04 Date Extracted: 11/20/12

Matrix: WATER Date Analyzed: 11/20/12

Level:(low/med) LOW Time Analyzed: 2013

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	154237LCS	154237LCS	111612LCS.d	11/20/12	2033
2	154238LCSD	154238LCSD	111612LCSD.d	11/20/12	2053
3	RB-11-13-12	350760111	601-11.d	11/20/12	2153

COMMENTS:

2A

WATER SEMI-VOLATILE ORGANIC SURROGATE RECOVERY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG NO.: 3507601

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

EPA Sample NO.	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
154236MB	54.6	33.4	86.0	89.2	100.0	85.2	0
154237LCS	53.1	33.2	89.2	86.8	98.6	84.8	0
154238LCSD	55.3	34.2	88.8	94.2	103.0	87.2	0
RB-11-13-12	54.3	32.8	85.3	86.5	97.4	84.5	0

Control Limits

S1	= 2-Fluorophenol	21 -	120
S2	= Phenol-d5	10 -	94
S3	= Nitrobenzene-d5	35 -	114
S4	= 2-Fluorobiphenyl	43 -	116
S5	= 2,4,6-Tribromophenol	10 -	122
S6	= p-Terphenyl-d14	33 -	141

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

5

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP2.d DFTPP Injection Date: 11/20/12

Instrument ID: SMSD04 DFTPP Injection Time: 1552

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	44.8	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	56.8	
70	Less than 2.0% of mass 69	0.2	(0.28)1
127	10.0 - 80.0% of mass 198	49.7	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	6.8	
275	10.0 - 60.0% of mass 198	23.6	
365	Greater than 1.0% of mass 198	3.1	
441	0.0 - 24.0% of mass 442	11.6	(17.49)2
442	Greater than 50.0% of mass 198	66.4	
443	15.0 - 24.0% of mass 442	13.3	(20.08)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	CCV1136491	47766	8270CAL4.d	11/20/12	1630
2	CCV1136493	47965	BSCAL4.d	11/20/12	1653
3	CCV1136492	47936	AP9CAL4.d	11/20/12	1714
4	154236MB	154236MB	111612MB.d	11/20/12	2013
5	154237LCS	154237LCS	111612LCS.d	11/20/12	2033
6	154238LCSD	154238LCSD	111612LCSD	11/20/12	2053
7	RB-11-13-12	350760111	601-11.d	11/20/12	2153

5

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP4.d DFTPP Injection Date: 11/15/12

Instrument ID: SMSD04 DFTPP Injection Time: 0143

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	43.2	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	55.1	
70	Less than 2.0% of mass 69	0	(0)1
127	10.0 - 80.0% of mass 198	49.5	
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	24.9	
365	Greater than 1.0% of mass 198	3	
441	0.0 - 24.0% of mass 442	12.4	(17.08)2
442	Greater than 50.0% of mass 198	72.9	
443	15.0 - 24.0% of mass 442	14.5	(19.87)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	STD1135522	47885	BSCAL7.d	11/15/12	0201
2	STD1135521	47962	BSCAL6.d	11/15/12	0222
3	STD1135520	47964	BSCAL5.d	11/15/12	0243

5

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP6.d DFTPP Injection Date: 11/15/12

Instrument ID: SMSD04 DFTPP Injection Time: 0722

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	44.2	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	55.3	
70	Less than 2.0% of mass 69	0.1	(0.21)1
127	10.0 - 80.0% of mass 198	49.3	
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	23.4	
365	Greater than 1.0% of mass 198	3	
441	0.0 - 24.0% of mass 442	11.2	(17.16)2
442	Greater than 50.0% of mass 198	65.5	
443	15.0 - 24.0% of mass 442	12.9	(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	STD1135518	47965	BSCAL4.d	11/15/12	0740
2	STD1135517	47966	BSCAL3.d	11/15/12	0801
3	STD1135516	47967	BSCAL2.d	11/15/12	0822
4	STD1135515	47968	BSCAL1.d	11/15/12	0843
5	SSC1135523	47969	BSSEC.d	11/15/12	0904
6	STD1135513	47933	AP9CAL7.d	11/15/12	0925
7	STD1135512	47934	AP9CAL6.d	11/15/12	0946
8	STD1135511	47935	AP9CAL5.d	11/15/12	1007
9	STD1135509	47936	AP9CAL4.d	11/15/12	1028
10	STD1135508	47937	AP9CAL3.d	11/15/12	1049
11	STD1135507	47938	AP9CAL2.d	11/15/12	1109
12	STD1135506	47939	AP9CAL1.d	11/15/12	1130
13	SSC1135514	47943	AP9SEC.d	11/15/12	1151

5

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

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Lab File ID: DFTPP2.D DFTPP Injection Date: 11/14/12

Instrument ID: SMSD04 DFTPP Injection Time: 1935

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0% of mass 198	39.3	
68	Less than 2.0% of mass 69	0	(0)1
69	Mass 69 relative abundance	50.1	
70	Less than 2.0% of mass 69	0	(0)1
127	10.0 - 80.0% of mass 198	47.4	
197	Less than 2.0% of mass 198	0	
198	Base Peak, 100% relative abundance	100	
199	5.0 - 9.0% of mass 198	7	
275	10.0 - 60.0% of mass 198	25.5	
365	Greater than 1.0% of mass 198	3.5	
441	0.0 - 24.0% of mass 442	13.5	(16.9)2
442	Greater than 50.0% of mass 198	79.8	
443	15.0 - 24.0% of mass 442	16.1	(20.21)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	STD1135504	47763	8270CAL7.d	11/14/12	2240
2	STD1135503	47764	8270CAL6.d	11/14/12	2301
3	STD1135502	47765	8270CAL5.d	11/14/12	2322
4	STD1135500	47766	8270CAL4.d	11/14/12	2343
5	STD1135499	47767	8270CAL3.d	11/15/12	0004
6	STD1135498	47768	8270CAL2.d	11/15/12	0025
7	STD1135497	47769	8270CAL1.d	11/15/12	0046
8	SSC1135505	47770	8270SEC.d	11/15/12	0107

8A

SEMI-VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID (Standard): 8270CAL4.d Date Analyzed: 11/14/2012

Instrument ID: SMSD04 Time Analyzed: 23:43

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

		IS1 AREA	#	RT	IS2 AREA	#	RT	IS3 AREA	#	RT
	MID CAL STD	99413		4.30	328158		5.47	204923		7.17
	UPPER LIMIT	198826		4.80	656316		5.97	409846		7.67
	LOWER LIMIT	49706.5		3.80	164079		4.97	102461.5		6.67
	EPA SAMPLE NO.									
1	154236MB	84808		4.28	283221		5.45	179325		7.16
2	154237LCS	86221		4.29	286351		5.45	183447		7.16
3	154238LCSD	82885		4.29	276477		5.45	172627		7.16
4	RB-11-13-12	86570		4.28	289753		5.45	184098		7.15

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: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Lab File ID (Standard): 8270CAL4.d Date Analyzed: 11/14/2012

Instrument ID: SMSD04 Time Analyzed: 23:43

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

		IS4 AREA	#	RT	IS5 AREA	#	RT	IS6 AREA	#	RT
	MID CAL STD	343898		8.60	389232		11.21	344421		12.53
	UPPER LIMIT	687796		9.10	778464		11.71	688842		13.03
	LOWER LIMIT	171949		8.10	194616		10.71	172210.5		12.03
	EPA SAMPLE NO.									
1	154236MB	334613		8.59	375717		11.20	360253		12.52
2	154237LCS	325424		8.59	385276		11.20	354148		12.51
3	154238LCSD	308586		8.59	359319		11.20	322577		12.51
4	RB-11-13-12	333800		8.58	374133		11.19	353274		12.51

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: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 11/15/12

Instrument ID: SMSD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.25 S2 : 4.01 S3 : 4.82 S4 : 6.52

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #	S3 RT #	S4 RT #
1	DFTPP2	47137	DFTPP2.D	11/14/12	1935				
2	STD1135504	47763	8270CAL7.d	11/14/12	2240	3.25	4.02	4.82	6.52
3	STD1135503	47764	8270CAL6.d	11/14/12	2301	3.25	4.01	4.82	6.52
4	STD1135502	47765	8270CAL5.d	11/14/12	2322	3.25	4.01	4.82	6.52
5	STD1135500	47766	8270CAL4.d	11/14/12	2343	3.25	4.01	4.82	6.52
6	STD1135499	47767	8270CAL3.d	11/15/12	0004	3.25	4	4.82	6.51
7	STD1135498	47768	8270CAL2.d	11/15/12	0025	3.25	4	4.82	6.51
8	STD1135497	47769	8270CAL1.d	11/15/12	0046	3.25	4	4.81	6.51
9	SSC1135505	47770	8270SEC.d	11/15/12	0107	3.25	4.01	4.82	6.51
10	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/15/12	0127				
11	DFTPP4	47137	DFTPP4.d	11/15/12	0143				
12	STD1135522	47885	BSCAL7.d	11/15/12	0201				
13	STD1135521	47962	BSCAL6.d	11/15/12	0222				
14	STD1135520	47964	BSCAL5.d	11/15/12	0243				
15	DFTPP6	47137	DFTPP6.d	11/15/12	0722				
16	STD1135518	47965	BSCAL4.d	11/15/12	0740				
17	STD1135517	47966	BSCAL3.d	11/15/12	0801				
18	STD1135516	47967	BSCAL2.d	11/15/12	0822				
19	STD1135515	47968	BSCAL1.d	11/15/12	0843				
20	SSC1135523	47969	BSSEC.d	11/15/12	0904				
21	STD1135513	47933	AP9CAL7.d	11/15/12	0925				
22	STD1135512	47934	AP9CAL6.d	11/15/12	0946				
23	STD1135511	47935	AP9CAL5.d	11/15/12	1007				
24	STD1135509	47936	AP9CAL4.d	11/15/12	1028				
25	STD1135508	47937	AP9CAL3.d	11/15/12	1049				
26	STD1135507	47938	AP9CAL2.d	11/15/12	1109				

QC LIMITS

S1	=	2-Fluorophenol	(+/- 0.26 MINUTES)
S2	=	Phenol-d5	(+/- 0.26 MINUTES)
S3	=	Nitrobenzene-d5	(+/- 0.33 MINUTES)
S4	=	2-Fluorobiphenyl	(+/- 0.43 MINUTES)
S5	=	2,4,6-Tribromophenol	(+/- 0.43 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: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

GC Column: HPMS-5 ID: 0.25 (mm) Init. Calib. Date: 11/15/12

Instrument ID: SMSD04

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

MIDCAL SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.25 S2 : 4.01 S3 : 4.82 S4 : 6.52

	CLIENT SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #	S3 RT #	S4 RT #
27	STD1135506	47939	AP9CAL1.d	11/15/12	1130				
28	SSC1135514	47943	AP9SEC.d	11/15/12	1151				
29	DFTPP2	47137	DFTPP2.d	11/20/12	1552				
30	CCV1136491	47766	8270CAL4.d	11/20/12	1630	3.24	3.99	4.8	6.5
31	CCV1136493	47965	BSCAL4.d	11/20/12	1653				
32	CCV1136492	47936	AP9CAL4.d	11/20/12	1714				
33	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	1822				
34	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	1842				
35	154236MB	154236MB	111612MB.d	11/20/12	2013	3.23	3.99	4.8	6.5
36	154237LCS	154237LCS	111612LCS.d	11/20/12	2033	3.24	3.99	4.81	6.5
37	154238LCSD	154238LCSD	111612LCSD.d	11/20/12	2053	3.24	3.99	4.81	6.5
38	RB-11-13-12	350760111	601-11.d	11/20/12	2153	3.23	3.99	4.8	6.5
39	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	2213				
40	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	2234				
41	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	2314				
42	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	2334				
43	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/20/12	2354				
44	ZZZZZZ	ZZZZZZ	ZZZZZZ	11/21/12	0014				

			QC LIMITS
S1	=	2-Fluorophenol	(+/- 0.26 MINUTES)
S2	=	Phenol-d5	(+/- 0.26 MINUTES)
S3	=	Nitrobenzene-d5	(+/- 0.33 MINUTES)
S4	=	2-Fluorobiphenyl	(+/- 0.43 MINUTES)
S5	=	2,4,6-Tribromophenol	(+/- 0.43 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.: 154237LCS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	40	40.7	102.0			50 - 133
Phenol	40	14	35.0			23 - 150
2-Chlorophenol	40	33.9	84.8			56 - 100
2,2'-Oxybis(1-chloropropane)	40	37.1	92.8			60 - 113
2-Methylphenol	40	29.6	74.0			50 - 125
Hexachloroethane	40	36.3	90.8			29 - 125
N-Nitroso-di-n-propylamine	40	39.6	99.0			51 - 139
4-Methylphenol	40	27.8	69.5			43 - 115
Nitrobenzene	40	36.6	91.5			56 - 109
Isophorone	40	34.9	87.2			53 - 116
2-Nitrophenol	40	38.7	96.8			63 - 109
2,4-Dimethylphenol	40	40	100.0			60 - 131
Bis(2-chloroethoxy)methane	40	51.7	129.0			58 - 138
2,4-Dichlorophenol	40	37.2	93.0			59 - 111
Naphthalene	40	37.8	94.5			49 - 100
4-Chloroaniline	40	37.4	93.5			58 - 112
2-Methylnaphthalene	40	37.2	93.0			41 - 101
Hexachlorobutadiene	40	39.4	98.5			34 - 125
4-Chloro-3-methylphenol	40	34.8	87.0			60 - 110
1-Methylnaphthalene	40	35.8	89.5			45 - 115
Hexachlorocyclopentadiene	40	35.9	89.8			16 - 125
2,4,6-Trichlorophenol	40	37.4	93.5			65 - 118
2,4,5-Trichlorophenol	40	39.2	98.0			61 - 112
2-Chloronaphthalene	40	37.1	92.8			44 - 108
2-Nitroaniline	40	38.7	96.8			56 - 123
Acenaphthylene	40	38.3	95.8			54 - 125
Dimethylphthalate	40	39.8	99.5			64 - 118
2,6-Dinitrotoluene	40	39.2	98.0			63 - 116
Acenaphthene	40	37.3	93.2			50 - 125
3-Nitroaniline	40	37.9	94.8			62 - 109
2,4-Dinitrophenol	80	99	124.0*			12 - 114
Dibenzofuran	40	38.3	95.8			54 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 154237LCS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrotoluene	40	40.6	102.0			68 - 118
4-Nitrophenol	40	15.7	39.2			13 - 150
Fluorene	40	38.3	95.8			58 - 118
4-Chlorophenyl-phenylether	40	38	95.0			51 - 120
Diethylphthalate	40	39.6	99.0			61 - 125
4-Nitroaniline	40	44.4	111.0			61 - 128
4,6-Dinitro-2-methylphenol	40	43.2	108.0			58 - 116
N-Nitrosodiphenylamine	40	41.3	103.0			74 - 111
4-Bromophenyl-phenylether	40	39	97.5			68 - 111
Hexachlorobenzene	40	37.8	94.5			67 - 107
Pentachlorophenol	40	44.7	112.0			31 - 148
Phenanthrene	40	39.1	97.8			66 - 115
Anthracene	40	44.9	112.0			69 - 125
Di-n-butylphthalate	40	41.2	103.0			72 - 116
Fluoranthene	40	40.3	101.0			72 - 115
Pyrene	40	40	100.0			69 - 116
Butylbenzylphthalate	40	44.1	110.0			70 - 135
3,3'-Dichlorobenzidine	80	83.8	105.0			62 - 109
Benzo(a)anthracene	40	42.5	106.0			70 - 122
Chrysene	40	39.8	99.5			71 - 115
Bis(2-ethylhexyl)phthalate	40	42.6	106.0			75 - 133
Di-n-octylphthalate	40	38.4	96.0			68 - 136
Benzo(b)fluoranthene	40	43.1	108.0			60 - 142
Benzo(k)fluoranthene	40	44.1	110.0			66 - 124
Benzo(a)pyrene	40	40.1	100.0			69 - 117
Indeno(1,2,3-cd)pyrene	40	39.8	99.5			70 - 115
Dibenzo(a,h)anthracene	40	40	100.0			70 - 117
Benzo(g,h,i)perylene	40	40.8	102.0			66 - 109
Acetophenone	80	72.4	90.5			57 - 125
1,2,4,5-Tetrachlorobenzene	40	35.5	88.8			43 - 106
Carbazole	40	40.8	102.0			70 - 127
Caprolactam	40	11.5	28.8			10 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154237LCS

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,1'-Biphenyl	40	35.6	89.0			48 - 102
Atrazine	40	37.9	94.8			48 - 111
Benzaldehyde	40	34.4	86.0			10 - 146

Spike Recovery: 1 out of 67 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 154238LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
Bis(2-chloroethyl)ether	40	42.7	107.0	4.8	20	50 - 133
Phenol	40	14.1	35.2	0.7	20	23 - 150
2-Chlorophenol	40	35.6	89.0	4.9	20	56 - 100
2,2'-Oxybis(1-chloropropane)	40	38.7	96.8	4.2	20	60 - 113
2-Methylphenol	40	29.8	74.5	0.7	20	50 - 125
Hexachloroethane	40	37.8	94.5	4.0	20	29 - 125
N-Nitroso-di-n-propylamine	40	40.7	102.0	2.7	20	51 - 139
4-Methylphenol	40	28.9	72.2	3.9	20	43 - 115
Nitrobenzene	40	37.2	93.0	1.6	20	56 - 109
Isophorone	40	36.6	91.5	4.8	20	53 - 116
2-Nitrophenol	40	41	102.0	5.8	20	63 - 109
2,4-Dimethylphenol	40	42.7	107.0	6.5	20	60 - 131
Bis(2-chloroethoxy)methane	40	53.9	135.0	4.2	20	58 - 138
2,4-Dichlorophenol	40	38.2	95.5	2.7	20	59 - 111
Naphthalene	40	39.8	99.5	5.2	20	49 - 100
4-Chloroaniline	40	39.1	97.8	4.4	20	58 - 112
2-Methylnaphthalene	40	39.1	97.8	5.0	20	41 - 101
Hexachlorobutadiene	40	41.6	104.0	5.4	20	34 - 125
4-Chloro-3-methylphenol	40	36	90.0	3.4	20	60 - 110
1-Methylnaphthalene	40	37.4	93.5	4.4	20	45 - 115
Hexachlorocyclopentadiene	40	37.2	93.0	3.6	20	16 - 125
2,4,6-Trichlorophenol	40	40.5	101.0	8.0	20	65 - 118
2,4,5-Trichlorophenol	40	42.3	106.0	7.6	20	61 - 112
2-Chloronaphthalene	40	40.3	101.0	8.3	20	44 - 108
2-Nitroaniline	40	40.4	101.0	4.3	20	56 - 123
Acenaphthylene	40	40.8	102.0	6.3	20	54 - 125
Dimethylphthalate	40	41.8	104.0	4.9	20	64 - 118
2,6-Dinitrotoluene	40	42	105.0	6.9	20	63 - 116
Acenaphthene	40	40.1	100.0	7.2	20	50 - 125
3-Nitroaniline	40	39.9	99.8	5.1	20	62 - 109
2,4-Dinitrophenol	80	106	132.0*	6.8	20	12 - 114
Dibenzofuran	40	40.8	102.0	6.3	20	54 - 125

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.: 154238LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. _____ SAS No: _____ SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrotoluene	40	41.8	104.0	2.9	20	68 - 118
4-Nitrophenol	40	16.1	40.2	2.5	20	13 - 150
Fluorene	40	40	100.0	4.3	20	58 - 118
4-Chlorophenyl-phenylether	40	39.9	99.8	4.9	20	51 - 120
Diethylphthalate	40	42.1	105.0	6.1	20	61 - 125
4-Nitroaniline	40	45.1	113.0	1.6	20	61 - 128
4,6-Dinitro-2-methylphenol	40	44.3	111.0	2.5	20	58 - 116
N-Nitrosodiphenylamine	40	43	108.0	4.0	20	74 - 111
4-Bromophenyl-phenylether	40	41.6	104.0	6.5	20	68 - 111
Hexachlorobenzene	40	40	100.0	5.7	20	67 - 107
Pentachlorophenol	40	44.3	111.0	0.9	20	31 - 148
Phenanthrene	40	41	102.0	4.7	20	66 - 115
Anthracene	40	46.5	116.0	3.5	20	69 - 125
Di-n-butylphthalate	40	43.5	109.0	5.4	20	72 - 116
Fluoranthene	40	41.8	104.0	3.7	20	72 - 115
Pyrene	40	42.4	106.0	5.8	20	69 - 116
Butylbenzylphthalate	40	46.2	116.0	4.7	20	70 - 135
3,3'-Dichlorobenzidine	80	87.5	109.0	4.3	20	62 - 109
Benzo(a)anthracene	40	44.3	111.0	4.1	20	70 - 122
Chrysene	40	41	102.0	3.0	20	71 - 115
Bis(2-ethylhexyl)phthalate	40	45.1	113.0	5.7	20	75 - 133
Di-n-octylphthalate	40	41.3	103.0	7.3	20	68 - 136
Benzo(b)fluoranthene	40	43.7	109.0	1.4	20	60 - 142
Benzo(k)fluoranthene	40	39	97.5	12.3	20	66 - 124
Benzo(a)pyrene	40	43.4	108.0	7.9	20	69 - 117
Indeno(1,2,3-cd)pyrene	40	42.9	107.0	7.5	20	70 - 115
Dibenzo(a,h)anthracene	40	43.2	108.0	7.7	20	70 - 117
Benzo(g,h,i)perylene	40	42.8	107.0	4.8	20	66 - 109
Acetophenone	80	76.5	95.6	5.5	20	57 - 125
1,2,4,5-Tetrachlorobenzene	40	37.3	93.2	4.9	20	43 - 106
Carbazole	40	42.2	106.0	3.4	20	70 - 127
Caprolactam	40	11.5	28.8	0.0	20	10 - 150

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS: _____

291112 1643

Form III

3

SEMI-VOLATILE ORGANIC LAB CONTROL SAMPLE RECOVERY

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154238LCSD

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

COMPOUND	SPIKE ADDED ug/L	LCS CONCENTRATION ug/L	LCS % REC #	LCS % RPD	QC LIMITS RPD	QC LIMITS REC.
1,1'-Biphenyl	40	38.7	96.8	8.3	20	48 - 102
Atrazine	40	40	100.0	5.4	20	48 - 111
Benzaldehyde	40	36.8	92.0	6.7	20	10 - 146

Spike Recovery: 1 out of 67 outside limits

Column to be used to flag recovery values with an asterisk

* Values outside QC limits

Control limit source: (lab/method) METHOD

COMMENTS:

291112 1643

Form III

8270 Standards Data

291112 1643

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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	RSD
Bis(2-chloroethyl)ether		1.139	1.254	1.275	1.310	1.289			
Phenol	*	1.542	1.726	1.818	1.893	1.905		*	
2-Chlorophenol		1.155	1.262	1.217	1.246	1.257			
2,2'-Oxybis(1-chloropropane)		1.556	1.679	1.651	1.629	1.645			
2-Methylphenol		0.942	1.038	0.988	1.004	1.026			
Hexachloroethane		0.581	0.672	0.640	0.662	0.661			
N-Nitroso-di-n-propylamine	#	0.945	1.076	1.051	1.092	1.123		#	
4-Methylphenol		1.367	1.494	1.460	1.504	1.547			
Nitrobenzene		0.494	0.506	0.506	0.507	0.504			
Isophorone		0.740	0.838	0.832	0.863	0.879			
2-Nitrophenol	*	0.175	0.199	0.197	0.210	0.212		*	
2,4-Dimethylphenol		0.250	0.271	0.288	0.320	0.314			
Bis(2-chloroethoxy)methane		0.467	0.480	0.486	0.499	0.499			
2,4-Dichlorophenol	*	0.314	0.321	0.342	0.355	0.359		*	
Naphthalene		1.020	1.041	1.036	1.075	1.061			
4-Chloroaniline		0.396	0.425	0.426	0.447	0.442			
2-Methylnaphthalene		0.653	0.697	0.703	0.707	0.733			
Hexachlorobutadiene	*	0.267	0.274	0.279	0.285	0.279		*	
4-Chloro-3-methylphenol	*	0.343	0.360	0.357	0.372	0.386		*	
1-Methylnaphthalene		0.624	0.636	0.630	0.652	0.670			
Hexachlorocyclopentadiene	#	0.216	0.287	0.352	0.433	0.423		#	
2,4,6-Trichlorophenol	*	0.385	0.424	0.421	0.423	0.428		*	
2,4,5-Trichlorophenol		0.415	0.440	0.441	0.464	0.469			
2-Chloronaphthalene		1.126	1.155	1.160	1.210	1.197			
2-Nitroaniline		0.347	0.398	0.414	0.426	0.438			
Acenaphthylene		1.728	1.757	1.801	1.854	1.921			
Dimethylphthalate		1.324	1.401	1.398	1.403	1.442			
2,6-Dinitrotoluene		0.247	0.301	0.316	0.331	0.346			
Acenaphthene	*	1.009	1.043	1.049	1.076	1.084		*	
3-Nitroaniline		0.253	0.307	0.307	0.304	0.312			
2,4-Dinitrophenol	#		0.107	0.139	0.179	0.198		#	
Dibenzofuran		1.543	1.579	1.615	1.640	1.683			
2,4-Dinitrotoluene		0.344	0.396	0.419	0.398	0.419			
4-Nitrophenol	#	0.175	0.241	0.249	0.254	0.282		#	

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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	RSD
Fluorene		1.301	1.357	1.391	1.433	1.512			
4-Chlorophenyl-phenylether		0.684	0.704	0.727	0.766	0.791			
Diethylphthalate		1.313	1.354	1.363	1.340	1.408			
4-Nitroaniline		0.258	0.261	0.256	0.271	0.293			
4,6-Dinitro-2-methylphenol			0.122	0.131	0.162	0.166			
N-Nitrosodiphenylamine	*	0.489	0.507	0.509	0.531	0.517		*	
4-Bromophenyl-phenylether		0.224	0.235	0.241	0.262	0.254			
Hexachlorobenzene		0.264	0.252	0.270	0.290	0.291			
Pentachlorophenol	*	0.102	0.121	0.143	0.173	0.185		*	
Phenanthrene		1.063	1.079	1.053	1.106	1.110			
Anthracene		0.946	0.942	0.937	0.984	0.992			
Di-n-butylphthalate		1.108	1.236	1.263	1.381	1.400			
Fluoranthene	*	1.093	1.142	1.155	1.240	1.275		*	
Pyrene		1.015	1.019	1.053	1.096	1.071			
Butylbenzylphthalate		0.416	0.468	0.491	0.539	0.545			
3,3'-Dichlorobenzidine		0.347	0.396	0.403	0.433	0.444			
Benzo(a)anthracene		0.973	0.984	1.014	1.060	1.094			
Chrysene		0.982	0.991	1.009	1.037	1.054			
Bis(2-ethylhexyl)phthalate		0.587	0.638	0.674	0.730	0.749			
Di-n-octylphthalate	*	0.972	1.177	1.253	1.440	1.499		*	
Benzo(b)fluoranthene		0.961	1.415	1.043	1.102	1.162			
Benzo(k)fluoranthene		1.341	1.470	1.071	1.196	1.213			
Benzo(a)pyrene	*	0.942	0.994	0.984	1.056	1.086		*	
Indeno(1,2,3-cd)pyrene		1.049	1.115	1.130	1.223	1.195			
Dibenzo(a,h)anthracene		0.840	0.946	0.945	1.022	1.017			
Benzo(g,h,i)perylene		0.914	0.927	0.926	0.972	0.935			
Acetophenone		0.635	0.593	0.580	0.615	0.589			
1,2,4,5-Tetrachlorobenzene		0.621	0.651	0.645	0.664	0.682			
Carbazole		0.903	0.948	0.914	1.009	1.001			
Caprolactam		0.132	0.141	0.162	0.182	0.170			
1,1'-Biphenyl		1.363	1.459	1.445	1.488	1.509			
Atrazine		0.190	0.198	0.211	0.235	0.233			
Benzaldehyde		1.151	1.256	1.234	1.266	1.282			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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	RSD
2-Fluorophenol(SURR)	1.138	1.261	1.234	1.306	1.296			
Phenol-d5(SURR)	1.476	1.574	1.542	1.632	1.644			
Nitrobenzene-d5(SURR)	0.466	0.509	0.495	0.510	0.504			
2-Fluorobiphenyl(SURR)	1.365	1.409	1.395	1.459	1.447			
2,4,6-Tribromophenol(SURR)	0.213	0.225	0.236	0.248	0.264			
p-Terphenyl-d14(SURR)	0.778	0.765	0.801	0.853	0.832			

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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		RSD
Bis(2-chloroethyl)ether		1.283	1.309				1.26557	4.7		
Phenol	*	1.946	1.985				1.8307	8.4	*	
2-Chlorophenol		1.269	1.280				1.24099	3.5		
2,2'-Oxybis(1-chloropropane)		1.617	1.639				1.63082	2.3		
2-Methylphenol		1.037	1.055				1.0129	3.8		
Hexachloroethane		0.663	0.662				0.64881	4.8		
N-Nitroso-di-n-propylamine	#	1.101	1.110				1.07132	5.7	#	
4-Methylphenol		1.562	1.609				1.50631	5.2		
Nitrobenzene		0.495	0.505				0.50245	1.1		
Isophorone		0.862	0.881				0.84206	5.8		
2-Nitrophenol	*	0.213	0.213				0.20284	7	*	
2,4-Dimethylphenol		0.317	0.315				0.29643	9.3		
Bis(2-chloroethoxy)methane		0.502	0.508				0.49157	3		
2,4-Dichlorophenol	*	0.360	0.372				0.34613	6.2	*	
Naphthalene		1.066	1.100				1.05678	2.5		
4-Chloroaniline		0.442	0.450				0.43264	4.3		
2-Methylnaphthalene		0.733	0.756				0.71176	4.7		
Hexachlorobutadiene	*	0.281	0.292				0.27961	2.8	*	
4-Chloro-3-methylphenol	*	0.382	0.403				0.37178	5.4	*	
1-Methylnaphthalene		0.674	0.700				0.6552	4.2		
Hexachlorocyclopentadiene	#	0.438	0.472				0.37449	0.99668	#	25.01117
2,4,6-Trichlorophenol	*	0.424	0.438				0.42048	4	*	
2,4,5-Trichlorophenol		0.476	0.481				0.45505	5.3		
2-Chloronaphthalene		1.186	1.233				1.1811	3.1		
2-Nitroaniline		0.421	0.432				0.41099	7.5		
Acenaphthylene		1.896	1.982				1.84838	5		
Dimethylphthalate		1.384	1.415				1.39542	2.6		
2,6-Dinitrotoluene		0.333	0.344				0.31685	10.9		
Acenaphthene	*	1.077	1.123				1.06595	3.4	*	
3-Nitroaniline		0.301	0.315				0.2999	7.1		
2,4-Dinitrophenol	#	0.198	0.215				0.17241	0.99685	#	23.96072
Dibenzofuran		1.655	1.723				1.63391	3.8		
2,4-Dinitrotoluene		0.409	0.427				0.40146	7		
4-Nitrophenol	#	0.278	0.282				0.25167	15	#	

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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		RSD
Fluorene		1.495	1.577				1.43792	6.7		
4-Chlorophenyl-phenylether		0.780	0.835				0.75525	7		
Diethylphthalate		1.374	1.445				1.37106	3.2		
4-Nitroaniline		0.281	0.287				0.27236	5.5		
4,6-Dinitro-2-methylphenol		0.168	0.170				0.15321	13.6		
N-Nitrosodiphenylamine	*	0.520	0.531				0.51495	2.9	*	
4-Bromophenyl-phenylether		0.257	0.265				0.24814	6.1		
Hexachlorobenzene		0.293	0.299				0.27955	6.4		
Pentachlorophenol	*	0.187	0.195				0.1581	0.99813	*	22.98399
Phenanthrene		1.126	1.138				1.09648	2.9		
Anthracene		1.007	1.022				0.97596	3.5		
Di-n-butylphthalate		1.379	1.380				1.3067	8.3		
Fluoranthene	*	1.253	1.250				1.20121	5.8	*	
Pyrene		1.074	1.083				1.05858	3		
Butylbenzylphthalate		0.539	0.557				0.50783	10.2		
3,3'-Dichlorobenzidine		0.455	0.468				0.42076	9.9		
Benzo(a)anthracene		1.085	1.117				1.04684	5.4		
Chrysene		1.057	1.095				1.03234	3.9		
Bis(2-ethylhexyl)phthalate		0.750	0.775				0.70042	9.9		
Di-n-octylphthalate	*	1.484	1.646				1.35296	0.99485	*	17.00891
Benzo(b)fluoranthene		1.197	1.097				1.13969	12.6		
Benzo(k)fluoranthene		1.203	1.431				1.27504	11.3		
Benzo(a)pyrene	*	1.098	1.149				1.04394	7	*	
Indeno(1,2,3-cd)pyrene		1.241	1.248				1.17169	6.4		
Dibenzo(a,h)anthracene		1.056	1.086				0.98759	8.4		
Benzo(g,h,i)perylene		0.957	0.900				0.93301	2.6		
Acetophenone		0.591	0.606				0.60121	3.1		
1,2,4,5-Tetrachlorobenzene		0.675	0.697				0.66217	3.9		
Carbazole		1.000	1.000				0.96763	4.7		
Caprolactam		0.175	0.184				0.16349	12.4		
1,1'-Biphenyl		1.577	1.572				1.48772	5		
Atrazine		0.235	0.241				0.22031	9.3		
Benzaldehyde		1.283	1.272				1.24922	3.7		

SEMI-VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: PEL, Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Instrument ID: SMSD04 Calibration Date Begin: 11/14/12 End: 11/15/12

GC Column: HPMS-5 ID: 0.25 (mm) Calibration Time Begin: 2240 End: 1130

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	RSD
2-Fluorophenol(SURR)	1.316	1.364				1.27354	5.7	
Phenol-d5(SURR)	1.682	1.737				1.61238	5.5	
Nitrobenzene-d5(SURR)	0.509	0.518				0.5015	3.4	
2-Fluorobiphenyl(SURR)	1.453	1.478				1.42929	2.8	
2,4,6-Tribromophenol(SURR)	0.262	0.282				0.24715	9.8	
p-Terphenyl-d14(SURR)	0.853	0.875				0.82253	5.1	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/15/12 Time: 0107

CCV ID: SSC1135505 Lab File ID: 8270SEC.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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		RRF
Bis(2-chloroethyl)ether		1.26557	1.496	18.2	AVRG		
Phenol	*	1.8307	2.022	10.4	AVRG	*	
2-Chlorophenol		1.24099	1.317	6.1	AVRG		
2,2'-Oxybis(1-chloropropane)		1.63082	1.782	9.3	AVRG		
2-Methylphenol		1.0129	1.076	6.2	AVRG		
Hexachloroethane		0.64881	0.69259	6.7	AVRG		
N-Nitroso-di-n-propylamine	#	1.07132	1.195	11.5	AVRG	#	
4-Methylphenol		1.50631	1.618	7.4	AVRG		
Nitrobenzene		0.50245	0.52285	4.1	AVRG		
Isophorone		0.84206	0.84341	0.2	AVRG		
2-Nitrophenol	*	0.20284	0.21757	7.3	AVRG	*	
2,4-Dimethylphenol		0.29643	0.35293	19.1	AVRG		
Bis(2-chloroethoxy)methane		0.49157	0.55058	12.0	AVRG		
2,4-Dichlorophenol	*	0.34613	0.36031	4.1	AVRG	*	
Naphthalene		1.05678	1.149	8.7	AVRG		
4-Chloroaniline		0.43264	0.455	5.2	AVRG		
2-Methylnaphthalene		0.71176	0.76819	7.9	AVRG		
Hexachlorobutadiene	*	0.27961	0.31269	11.8	AVRG	*	
4-Chloro-3-methylphenol	*	0.37178	0.38871	4.6	AVRG	*	
1-Methylnaphthalene		0.6552	0.6561	0.1	AVRG		
Hexachlorocyclopentadiene	#	45	45.4	0.9	LINR	#	0.43671
2,4,6-Trichlorophenol	*	0.42048	0.44526	5.9	AVRG	*	
2,4,5-Trichlorophenol		0.45505	0.49391	8.5	AVRG		
2-Chloronaphthalene		1.1811	1.268	7.4	AVRG		
2-Nitroaniline		0.41099	0.48684	18.5	AVRG		
Acenaphthylene		1.84838	2.015	9.0	AVRG		
Dimethylphthalate		1.39542	1.527	9.4	AVRG		
2,6-Dinitrotoluene		0.31685	0.35253	11.3	AVRG		
Acenaphthene	*	1.06595	1.128	5.8	AVRG	*	
3-Nitroaniline		0.2999	0.35108	17.1	AVRG		
2,4-Dinitrophenol	#	45	52.3	16.2	LINR	#	0.2254
Dibenzofuran		1.63391	1.805	10.5	AVRG		
2,4-Dinitrotoluene		0.40146	0.4444	10.7	AVRG		
4-Nitrophenol	#	0.25167	0.28483	13.2	AVRG	#	
Fluorene		1.43792	1.571	9.3	AVRG		
4-Chlorophenyl-phenylether		0.75525	0.7991	5.8	AVRG		

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/15/12 Time: 0107

CCV ID: SSC1135505 Lab File ID: 8270SEC.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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		RRF
Diethylphthalate		1.37106	1.464	6.8	AVRG		
4-Nitroaniline		0.27236	0.33041	21.3	AVRG		
4,6-Dinitro-2-methylphenol		0.15321	0.16471	7.5	AVRG		
N-Nitrosodiphenylamine	*	0.51495	0.58056	12.7	AVRG	*	
4-Bromophenyl-phenylether		0.24814	0.27323	10.1	AVRG		
Hexachlorobenzene		0.27955	0.30199	8.0	AVRG		
Pentachlorophenol	*	45	46.3	2.9	LINR	*	0.18719
Phenanthrene		1.09648	1.185	8.1	AVRG		
Anthracene		0.97596	1.155	18.3	AVRG		
Di-n-butylphthalate		1.3067	1.459	11.7	AVRG		
Fluoranthene	*	1.20121	1.344	11.9	AVRG	*	
Pyrene		1.05858	1.183	11.8	AVRG		
Butylbenzylphthalate		0.50783	0.60969	20.1	AVRG		
Benzo(a)anthracene		1.04684	1.183	13.0	AVRG		
Chrysene		1.03234	1.121	8.6	AVRG		
Bis(2-ethylhexyl)phthalate		0.70042	0.78939	12.7	AVRG		
Di-n-octylphthalate	*	45	49.5	10.0	LINR	*	1.668
Benzo(b)fluoranthene		1.13969	1.222	7.2	AVRG		
Benzo(k)fluoranthene		1.27504	1.351	6.0	AVRG		
Benzo(a)pyrene	*	1.04394	1.156	10.7	AVRG	*	
Indeno(1,2,3-cd)pyrene		1.17169	1.324	13.0	AVRG		
Dibenzo(a,h)anthracene		0.98759	1.109	12.3	AVRG		
Benzo(g,h,i)perylene		0.93301	1.041	11.6	AVRG		
Carbazole		0.96763	1.164	20.3	AVRG		
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2-Fluorophenol(SURR)		1.27354	1.393	9.4	AVRG		
Phenol-d5(SURR)		1.61238	1.665	3.3	AVRG		
Nitrobenzene-d5(SURR)		0.5015	0.50179	0.1	AVRG		
2-Fluorobiphenyl(SURR)		1.42929	1.455	1.8	AVRG		
2,4,6-Tribromophenol(SURR)		0.24715	0.26016	5.3	AVRG		
p-Terphenyl-d14(SURR)		0.82253	0.8252	0.3	AVRG		

Average Used: 9.4

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/15/12 Time: 0904

CCV ID: SSC1135523 Lab File ID: BSSEC.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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	RRF
3,3'-Dichlorobenzidine	0.42076	0.47062	11.8	AVRG	
Acetophenone	0.60121	0.60342	0.4	AVRG	
Caprolactam	0.16349	0.1768	8.1	AVRG	
1,1'-Biphenyl	1.48772	1.6	7.5	AVRG	
Atrazine	0.22031	0.24171	9.7	AVRG	
Benzaldehyde	1.24922	1.337	7.0	AVRG	

7SSC

SEMI-VOLATILE ORGANIC SECONDARY SOURCE CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/15/12 Time: 1151

CCV ID: SSC1135514 Lab File ID: AP9SEC.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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	RRF
Acetophenone	0.60121	0.60879	1.3	AVRG	
1,2,4,5-Tetrachlorobenzene	0.66217	0.6741	1.8	AVRG	

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/20/12 Time: 1630

CCV ID: CCV1136491 Lab File ID: 8270CAL4.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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		RRF
Bis(2-chloroethyl)ether		1.26557	1.242	1.9	AVRG		
Phenol	*	1.8307	1.818	0.7	AVRG	*	
2-Chlorophenol		1.24099	1.219	1.8	AVRG		
2,2'-Oxybis(1-chloropropane)		1.63082	1.545	5.3	AVRG		
2-Methylphenol		1.0129	0.98595	2.7	AVRG		
Hexachloroethane		0.64881	0.66098	1.9	AVRG		
N-Nitroso-di-n-propylamine	#	1.07132	1.055	1.5	AVRG	#	
4-Methylphenol		1.50631	1.431	5.0	AVRG		
Nitrobenzene		0.50245	0.49338	1.8	AVRG		
Isophorone		0.84206	0.84285	0.1	AVRG		
2-Nitrophenol	*	0.20284	0.21262	4.8	AVRG	*	
2,4-Dimethylphenol		0.29643	0.28734	3.1	AVRG		
Bis(2-chloroethoxy)methane		0.49157	0.48796	0.7	AVRG		
2,4-Dichlorophenol	*	0.34613	0.35287	1.9	AVRG	*	
Naphthalene		1.05678	1.045	1.1	AVRG		
4-Chloroaniline		0.43264	0.42264	2.3	AVRG		
2-Methylnaphthalene		0.71176	0.69968	1.7	AVRG		
Hexachlorobutadiene	*	0.27961	0.27962	0.0	AVRG	*	
4-Chloro-3-methylphenol	*	0.37178	0.36933	0.7	AVRG	*	
1-Methylnaphthalene		0.6552	0.65429	0.1	AVRG		
Hexachlorocyclopentadiene	#	45	54.7	21.6	LINR	#	0.53569
2,4,6-Trichlorophenol	*	0.42048	0.43954	4.5	AVRG	*	
2,4,5-Trichlorophenol		0.45505	0.4768	4.8	AVRG		
2-Chloronaphthalene		1.1811	1.206	2.1	AVRG		
2-Nitroaniline		0.41099	0.4164	1.3	AVRG		
Acenaphthylene		1.84838	1.899	2.7	AVRG		
Dimethylphthalate		1.39542	1.451	4.0	AVRG		
2,6-Dinitrotoluene		0.31685	0.33168	4.7	AVRG		
Acenaphthene	*	1.06595	1.091	2.4	AVRG	*	
3-Nitroaniline		0.2999	0.30706	2.4	AVRG		
2,4-Dinitrophenol	#	45	48	6.7	LINR	#	0.20403
Dibenzofuran		1.63391	1.667	2.0	AVRG		
2,4-Dinitrotoluene		0.40146	0.41798	4.1	AVRG		
4-Nitrophenol	#	0.25167	0.26762	6.3	AVRG	#	
Fluorene		1.43792	1.47	2.2	AVRG		
4-Chlorophenyl-phenylether		0.75525	0.78188	3.5	AVRG		

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/20/12 Time: 1630

CCV ID: CCV1136491 Lab File ID: 8270CAL4.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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		RRF
Diethylphthalate		1.37106	1.391	1.5	AVRG		
4-Nitroaniline		0.27236	0.29104	6.9	AVRG		
4,6-Dinitro-2-methylphenol		0.15321	0.16615	8.4	AVRG		
N-Nitrosodiphenylamine	*	0.51495	0.51336	0.3	AVRG	*	
4-Bromophenyl-phenylether		0.24814	0.25683	3.5	AVRG		
Hexachlorobenzene		0.27955	0.29348	5.0	AVRG		
Pentachlorophenol	*	45	43.4	3.6	LINR	*	0.17444
Phenanthrene		1.09648	1.098	0.1	AVRG		
Anthracene		0.97596	0.9817	0.6	AVRG		
Di-n-butylphthalate		1.3067	1.396	6.8	AVRG		
Fluoranthene	*	1.20121	1.257	4.6	AVRG	*	
Pyrene		1.05858	1.041	1.7	AVRG		
Butylbenzylphthalate		0.50783	0.53407	5.2	AVRG		
Benzo(a)anthracene		1.04684	1.058	1.1	AVRG		
Chrysene		1.03234	1.04	0.7	AVRG		
Bis(2-ethylhexyl)phthalate		0.70042	0.75023	7.1	AVRG		
Di-n-octylphthalate	*	45	43	4.4	LINR	*	1.428
Benzo(b)fluoranthene		1.13969	1.149	0.8	AVRG		
Benzo(k)fluoranthene		1.27504	1.163	8.8	AVRG		
Benzo(a)pyrene	*	1.04394	1.071	2.6	AVRG	*	
Indeno(1,2,3-cd)pyrene		1.17169	1.227	4.7	AVRG		
Dibenzo(a,h)anthracene		0.98759	1.039	5.2	AVRG		
Benzo(g,h,i)perylene		0.93301	0.96128	3.0	AVRG		
Carbazole		0.96763	0.99255	2.6	AVRG		
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2-Fluorophenol(SURR)		1.27354	1.252	1.7	AVRG		
Phenol-d5(SURR)		1.61238	1.564	3.0	AVRG		
Nitrobenzene-d5(SURR)		0.5015	0.49431	1.4	AVRG		
2-Fluorobiphenyl(SURR)		1.42929	1.457	1.9	AVRG		
2,4,6-Tribromophenol(SURR)		0.24715	0.25547	3.4	AVRG		
p-Terphenyl-d14(SURR)		0.82253	0.8059	2.0	AVRG		

Average Used: 3.3

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/20/12 Time: 1653

CCV ID: CCV1136493 Lab File ID: BSCAL4.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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	RRF
3,3'-Dichlorobenzidine	0.42076	0.47049	11.8	AVRG	
Acetophenone	0.60121	0.57093	5.0	AVRG	
Caprolactam	0.16349	0.16839	3.0	AVRG	
1,1'-Biphenyl	1.48772	1.5	0.8	AVRG	
Atrazine	0.22031	0.23403	6.2	AVRG	
Benzaldehyde	1.24922	1.243	0.5	AVRG	

7

SEMI-VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID: SMSD04 CalibrationDate: 11/20/12 Time: 1714

CCV ID: CCV1136492 Lab File ID: AP9CAL4.d Init. Calib. Date Begin: 11/14/12 End: 11/15/12

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	RRF
Acetophenone	0.60121	0.60657	0.9	AVRG	
1,2,4,5-Tetrachlorobenzene	0.66217	0.66143	0.1	AVRG	

Inorganics

291112 1643

Inorganic Data Qualifiers

C (Concentration) Qualifier - Entries and their meanings are:

B 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

291112 1643

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.

Metals Data Package

291112 1643

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW6010B

IV. PREPARATION

Soil samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3050B.
Water samples were prepared according to Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 3010A.

V. ANALYSIS

A. Calibration:

All acceptance criteria were met.

B. Blanks:

1. Calibration Blanks:

All acceptance criteria were met. No action required. The following ICB/CCB(s) had element concentrations below the RL:

CCB1135014 was analyzed on 11/19/12 19:44. The following analyte(s) were detected below RL: Selenium at 4.36 ug/L.
Samples coded accordingly.

The hit in the blank was below the reporting limit, therefore, corrective action was not taken.

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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 with the exception of:

Post Digestion Spike 350760007A was analyzed with the soil samples on 11/21/12. The following analyte(s) were recovered below criteria: Lead at 77.2 % with criteria of (80-120).

The PDS is associated with the QC of a different SDG. The LCS/LCSD pass all quality control criteria. No further action was taken.

3. Matrix Spike/Matrix Spike Duplicate Samples (MS/SD):

No spikes requested by client.

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.

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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.

Signature: _____

Name: Troy L. Roberts Title: Inorg. Manager

SIGNED: DATE: 11/26/2012

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW7470A

IV. PREPARATION

Water samples were prepared according to the Spectrum Analytical Inc. Laboratory's Standard Operating Procedures and EPA Method 7470A.

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):

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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):

No spikes requested by client.

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.

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: 11/27/2012

CASE NARRATIVE
Inorganic

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

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

Samples were analyzed according to Spectrum Analytical's Standard Operating Procedures and Method SW7471A

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):

Spectrum Analytical Inc. Lab Reference No./SDG: 3507601

Client: OTIE

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):

No spikes requested by client.

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.

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: 11/26/2012

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Sit

Lab Code : PEL Case No.: SDG No.: 3507601

SOW No.:

EPA Sample No	Lab Sample ID
CV0181C-CS	350760106
CV0194C-CS(sieve)	350760107
CV0698A-CS(sieve)	350760108
CV0181C-CS(sieve)	350760109
CV0434A-CS(sieve)	350760110
RB-11-13-12	350760111

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:

291112 1644

Metals Inorganic Sample Data

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181C-CS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760106

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 65 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	21			P		0.69	1.38
7440-39-3	Barium	204			P		0.221	13.8
7440-43-9	Cadmium	0.69	U		P		0.069	0.69
7440-47-3	Chromium	21			P		0.221	1.38
7439-92-1	Lead	41.9			P		0.47	1.1
7439-97-6	Mercury	0.0448			CV		0.00471	0.042
7782-49-2	Selenium	2.76	U		P		0.552	2.76
7440-22-4	Silver	2.07	U		P		0.221	2.07

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0194C-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760107

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 67.3 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	27.7			P		0.71	1.42
7440-39-3	Barium	357			P		0.227	14.2
7440-43-9	Cadmium	1.8			P		0.071	0.71
7440-47-3	Chromium	37			P		0.227	1.42
7439-92-1	Lead	470			P		0.483	1.14
7439-97-6	Mercury	0.508			CV		0.00533	0.0475
7782-49-2	Selenium	2.84	U		P		0.568	2.84
7440-22-4	Silver	2.13	U		P		0.227	2.13

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0698A-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760108

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 80.2 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	20.8			P		0.596	1.19
7440-39-3	Barium	115			P		0.191	11.9
7440-43-9	Cadmium	0.596	U		P		0.0596	0.596
7440-47-3	Chromium	83.8			P		0.191	1.19
7439-92-1	Lead	114			P		0.405	0.954
7439-97-6	Mercury	0.0771			CV		0.00427	0.0381
7782-49-2	Selenium	2.38	U		P		0.477	2.38
7440-22-4	Silver	1.79	U		P		0.191	1.79

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0181C-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760109

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 64.6 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	8.22			P		0.748	1.5
7440-39-3	Barium	174			P		0.24	15
7440-43-9	Cadmium	0.748	U		P		0.0748	0.748
7440-47-3	Chromium	15.9			P		0.24	1.5
7439-92-1	Lead	34.9			P		0.509	1.2
7439-97-6	Mercury	0.0583			CV		0.00544	0.0486
7782-49-2	Selenium	2.99	U		P		0.599	2.99
7440-22-4	Silver	2.24	U		P		0.24	2.24

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

CV0434A-CS(sieve)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 350760110

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 78.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	15.6			P		0.6	1.2
7440-39-3	Barium	155			P		0.192	12
7440-43-9	Cadmium	0.6	U		P		0.06	0.6
7440-47-3	Chromium	41.9			P		0.192	1.2
7439-92-1	Lead	103			P		0.408	0.96
7439-97-6	Mercury	0.112			CV		0.00359	0.032
7782-49-2	Selenium	2.4	U		P		0.48	2.4
7440-22-4	Silver	1.8	U		P		0.192	1.8

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

RB-11-13-12

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 350760111

Level:(low/med) LOW Date Received: 11/15/2012

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	20	U		P		3.31	20
7440-39-3	Barium	200	U		P		0.22	200
7440-43-9	Cadmium	5	U		P		0.72	5
7440-47-3	Chromium	20	U		P		0.43	20
7439-92-1	Lead	15	U		P		3.7	15
7439-97-6	Mercury	0.2	U		CV		0.025	0.2
7782-49-2	Selenium	30	U		P		4.1	30
7440-22-4	Silver	30	U		P		0.52	30

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

Metals Inorganic QC Summary Data

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

154068MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154068MB

Level:(low/med) LOW Date Received: 11/17/2012

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	20	U		P		3.31	20
7440-39-3	Barium	200	U		P		0.22	200
7440-43-9	Cadmium	5	U		P		0.72	5
7440-47-3	Chromium	20	U		P		0.43	20
7439-92-1	Lead	15	U		P		3.7	15
7782-49-2	Selenium	30	U		P		4.1	30
7440-22-4	Silver	30	U		P		0.52	30

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

154331MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 154331MB

Level:(low/med) LOW Date Received: 11/20/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.982	U		P		0.491	0.982
7440-39-3	Barium	9.82	U		P		0.157	9.82
7440-43-9	Cadmium	0.491	U		P		0.0491	0.491
7440-47-3	Chromium	0.982	U		P		0.157	0.982
7439-92-1	Lead	0.786	U		P		0.334	0.786
7782-49-2	Selenium	1.96	U		P		0.393	1.96
7440-22-4	Silver	1.47	U		P		0.157	1.47

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

154431MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: SOIL Lab Sample ID: 154431MB

Level:(low/med) LOW Date Received: 11/20/2012

PercentSolids: 100 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-97-6	Mercury	0.0327	U		CV		0.00367	0.0327

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

154630MB

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Lab Sample ID: 154630MB

Level:(low/med) LOW Date Received: 11/26/2012

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: UG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-97-6	Mercury	0.2	U		CV		0.025	0.2

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

291112 1644

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2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source: 47360
47792

Continuing Calibration Source: 47359
48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic	400	402.000	100.5	500	502.000	100.4	494.000	98.8	P
Barium	1200	1170.000	97.5	500	502.000	100.4	496.000	99.2	P
Cadmium	400	408.000	102.0	500	499.000	99.8	495.000	99.0	P
Chromium	400	396.000	99.0	500	501.000	100.2	496.000	99.2	P
Lead	400	400.000	100.0	500	512.000	102.4	503.000	100.6	P
Mercury	3	2.960	98.7	5	5.260	105.2	5.120	102.4	CV
Selenium	400	419.000	104.8	500	521.000	104.2	514.000	102.8	P
Silver	160	161.000	100.6	500	505.000	101.0	504.000	100.8	P

ICV IDs: CV= ICV1136015, P= ICV1134798

CCV1 IDs: CV= CCV1136017, P= CCV1134803

CCV2 IDs: CV= CCV1136029, P= CCV1134841

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source: 47360

Continuing Calibration Source: 47359
48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic				500	515.000	103.0	512.000	102.4	P
Barium				500	509.000	101.8	502.000	100.4	P
Cadmium				500	498.000	99.6	493.000	98.6	P
Chromium				500	510.000	102.0	501.000	100.2	P
Lead				500	522.000	104.4	510.000	102.0	P
Mercury	3	3.110	103.7	5	5.150	103.0	4.740	94.8	CV
Selenium				500	530.000	106.0	530.000	106.0	P
Silver				500	519.000	103.8	521.000	104.2	P

ICV IDs: CV= ICV1135933

CCV1 IDs: CV= CCV1136039, P= CCV1134989

CCV2 IDs: CV= CCV1135935, P= CCV1135001

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source:

Continuing Calibration Source: 47359
48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic				500	516.000	103.2			P
Barium				500	503.000	100.6			P
Cadmium				500	483.000	96.6			P
Chromium				500	500.000	100.0			P
Lead				500	513.000	102.6			P
Mercury				5	4.460	89.2	4.270	85.4	CV
Selenium				500	525.000	105.0			P
Silver				500	507.000	101.4			P

ICV IDs:

CCV1 IDs: CV= CCV1135947, P= CCV1135013

CCV2 IDs: CV= CCV1135959

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source: 47792

Continuing Calibration Source: 47359
48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic	400	414.000	103.5	500	516.000	103.2	504.000	100.8	P
Barium	1200	1200.000	100.0	500	510.000	102.0	505.000	101.0	P
Cadmium	400	384.000	96.0	500	509.000	101.8	486.000	97.2	P
Chromium	400	401.000	100.2	500	512.000	102.4	505.000	101.0	P
Lead	400	401.000	100.2	500	516.000	103.2	500.000	100.0	P
Mercury				5	5.540	110.8	5.330	106.6	CV
Selenium	400	422.000	105.5	500	528.000	105.6	515.000	103.0	P
Silver	160	167.000	104.4	500	522.000	104.4	510.000	102.0	P

ICV IDs: P= ICV1135363

CCV1 IDs: CV= CCV1135979, P= CCV1135368

CCV2 IDs: CV= CCV1135987, P= CCV1135392

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source:

Continuing Calibration Source: 48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic				500	500.000	100.0	506.000	101.2	P
Barium				500	499.000	99.8	507.000	101.4	P
Cadmium				500	485.000	97.0	489.000	97.8	P
Chromium				500	497.000	99.4	507.000	101.4	P
Lead				500	498.000	99.6	500.000	100.0	P
Mercury									CV
Selenium				500	512.000	102.4	516.000	103.2	P
Silver				500	502.000	100.4	520.000	104.0	P

ICV IDs:

CCV1 IDs: P= CCV1135404

CCV2 IDs: P= CCV1135416

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Initial Calibration Source:

Continuing Calibration Source: 48348

Concentration Units: (ug/L)

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (1)	M
Arsenic				500	506.000	101.2			P
Barium				500	509.000	101.8			P
Cadmium				500	479.000	95.8			P
Chromium				500	508.000	101.6			P
Lead				500	503.000	100.6			P
Mercury									CV
Selenium				500	524.000	104.8			P
Silver				500	517.000	103.4			P

ICV IDs:

CCV1 IDs: P= CCV1135428

CCV2 IDs:

(1) Control Limits: Mercury 80-120; Cyanide 85-115; Other Metals 90-110

ICV is Second Source

291112 1644

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

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
Arsenic	20	U	20	U	20	U	20	U	0.982	U	P
Barium	200	U	200	U	200	U	200	U	9.82	U	P
Cadmium	5	U	5	U	5	U	5	U	0.491	U	P
Chromium	20	U	20	U	20	U	20	U	0.982	U	P
Lead	15	U	15	U	15	U	15	U	0.786	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.0327	U	CV
Selenium	30	U	30	U	30	U	30	U	1.96	U	P
Silver	30	U	30	U	30	U	30	U	1.47	U	P

ICB IDs: CV= ICB1136016, P= ICB1134799

CCB1 IDs: CV= CCB1136018, P= CCB1134804

CCB2 IDs: CV= CCB1136030, P= CCB1134842

CCB3 IDs: CV= CCB1136040, P= CCB1134990

291112 1644

U.S. EPA - CLP

3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

Preparation Blank Matrix (water/soil): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)	C		C		C	Prepa-ration Blank	C	M
Arsenic			20	U	20	U			20	U	P
Barium			200	U	200	U			200	U	P
Cadmium			5	U	5	U			5	U	P
Chromium			20	U	20	U			20	U	P
Lead			15	U	15	U			15	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	CV
Selenium			30	U	30	U			30	U	P
Silver			30	U	30	U			30	U	P

ICB IDs: CV= ICB1135934

CCB1 IDs: CV= CCB1135936, P= CCB1135002

CCB2 IDs: CV= CCB1135948, P= CCB1135014

CCB3 IDs: CV= CCB1135960

291112 1644

U.S. EPA - CLP

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BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

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
Arsenic	20	U	20	U	20	U	20	U			P
Barium	200	U	200	U	200	U	200	U			P
Cadmium	5	U	5	U	5	U	5	U			P
Chromium	20	U	20	U	20	U	20	U			P
Lead	15	U	15	U	15	U	15	U			P
Mercury			0.2	U	0.2	U					CV
Selenium	30	U	30	U	30	U	30	U			P
Silver	30	U	30	U	30	U	30	U			P

ICB IDs: P= ICB1135364

CCB1 IDs: CV= CCB1135980, P= CCB1135369

CCB2 IDs: CV= CCB1135988, P= CCB1135393

CCB3 IDs: P= CCB1135405

291112 1644

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3

BLANKS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No. SAS No: SDG No.: 3507601

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
Arsenic			20	U	20	U					P
Barium			200	U	200	U					P
Cadmium			5	U	5	U					P
Chromium			20	U	20	U					P
Lead			15	U	15	U					P
Mercury											CV
Selenium			30	U	30	U					P
Silver			30	U	30	U					P

ICB IDs:

CCB1 IDs: P= CCB1135417

CCB2 IDs: P= CCB1135429

CCB3 IDs:

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

ICP ID#: ICAP2 ICSA Source: 48344

ICSAB Source: 48606

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
Arsenic	0	100	-4.768	97.842	97.8			
Barium	0	500	0.053	462.463	92.5			
Cadmium	0	1000	0.014	891.241	89.1			
Chromium	0	500	0.076	465.747	93.1			
Lead	0	50	0.004	47.28	94.6			
Selenium	0	50	-0.025	53.971	107.9			
Silver	0	200	0.108	201.446	100.7			

ICSA: ICS1134801

ICSAB: ICS1134802

291112 1644

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

ICP ID#: ICAP2 ICSA Source: 48344

ICSAB Source: 48606

Concentration Units: UG/L

	True		Initial Found			Final Found		
Analyte	Sol. A	Sol. AB	Sol. A	Sol. AB	%R	Sol. A	Sol. AB	%R
Arsenic	0	100	2.066	104.477	104.5			
Barium	0	500	-0.101	467.667	93.5			
Cadmium	0	1000	0.032	892.71	89.3			
Chromium	0	500	-0.035	470.659	94.1			
Lead	0	50	6.036	51.21	102.4			
Selenium	0	50	-0.063	57.751	115.5			
Silver	0	200	-0.028	200.331	100.2			

ICSA: ICS1135366

ICSAB: ICS1135367

291112 1644

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350756906A

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: Water 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
Arsenic	80 - 120	538.00		11.70	U	500	107.7		P
Barium	80 - 120	1520.00		2.47	U	1500	101.0		P
Cadmium	80 - 120	476.00		-1.92	U	500	95.2		P
Chromium	80 - 120	510.00		0.20	U	500	102.0		P
Lead	80 - 120	510.00		-1.25	U	500	102.0		P
Selenium	80 - 120	544.00		1.20	U	500	108.8		P
Silver	80 - 120	215.00		0.25	U	200	107.6		P

Comments:

291112 1644

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350757001A

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: Water 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
Mercury	80 - 120	2.70		0.13	U	3	89.9		CV

Comments:

291112 1644

U.S. EPA - CLP

5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350760007A

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Arsenic	80 - 120	728.00		226.23		500	100.4		P
Barium	80 - 120	3800.00		2430.53		1500	91.2		P
Cadmium	80 - 120	472.00		8.88		500	92.6		P
Chromium	80 - 120	824.00		342.98		500	96.2		P
Lead	80 - 120	3330.00		2946.40		500	77.2		P
Selenium	80 - 120	534.00			U	500	106.8		P
Silver	80 - 120	212.00			U	200	105.8		P

Comments:

291112 1644

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5B

POST DIGEST SPIKE SAMPLE RECOVERY

EPA Sample No.

350762201A

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Mercury	-	3.22			U	3	107.2		CV

Comments:

291112 1644

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DUPLICATES

EPA Sample No.

154070LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Arsenic	20	501		512		2.2		P
Barium	20	1470		1490		1.4		P
Cadmium	20	464		487		4.8		P
Chromium	20	494		500		1.2		P
Lead	20	492		503		2.2		P
Selenium	20	521		528		1.3		P
Silver	20	204		208		1.9		P

Comments:

291112 1644

U.S. EPA - CLP

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DUPLICATES

EPA Sample No.

154333LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Arsenic	20	51.1		48.9		4.4		P
Barium	20	149		144		3.4		P
Cadmium	20	48.3		46.5		3.8		P
Chromium	20	50.5		48.4		4.2		P
Lead	20	49.4		47.5		3.9		P
Selenium	20	51.7		50		3.3		P
Silver	20	20.2		19.6		3.0		P

Comments:

291112 1644

U.S. EPA - CLP

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DUPLICATES

EPA Sample No.

154433LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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		0.311		3.9		CV

Comments:

291112 1644

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DUPLICATES

EPA Sample No.

154632LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: WATER Level:(low/med) LOW

% Solids for Sample: 0 % Solids for Duplicate: 0

Concentration Units (mg/L or mg/kg): ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury	20	2.79		2.79		0.0		CV

Comments:

291112 1644

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154069LCS

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source:

Aqueous LCS Source: 48292, 48316, 46091,

Analyte	Aqueous (ug/L) True	Found	%R	Solid True	Found	C	Limits	%R
Arsenic	500	501	100.2				-	
Barium	1500	1470	98.0				-	
Cadmium	500	464	92.8				-	
Chromium	500	494	98.8				-	
Lead	500	492	98.4				-	
Selenium	500	521	104.2				-	
Silver	200	204	102.0				-	

291112 1644

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LABORATORY CONTROL SAMPLE

EPA Sample No.

154070LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source:

Aqueous LCS Source: 48292, 48316, 46091,

Analyte	Aqueous (ug/L) True	Found	%R	Solid True	Found	C	Limits	%R
Arsenic	500	512	102.4				-	
Barium	1500	1490	99.3				-	
Cadmium	500	487	97.4				-	
Chromium	500	500	100.0				-	
Lead	500	503	100.6				-	
Selenium	500	528	105.6				-	
Silver	200	208	104.0				-	

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LABORATORY CONTROL SAMPLE

EPA Sample No.

154332LCS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source: 48292, 48316, 47580,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	%R
Arsenic				49.8	51.1		80 - 120	102.6
Barium				149	149		80 - 120	100.0
Cadmium				49.8	48.3		80 - 120	97.0
Chromium				49.8	50.5		80 - 120	101.4
Lead				49.8	49.4		80 - 120	99.2
Selenium				49.8	51.7		80 - 120	103.8
Silver				19.9	20.2		80 - 120	101.5

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LABORATORY CONTROL SAMPLE

EPA Sample No.

154333LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source: 48292, 48316, 47580,

Aqueous LCS Source:

Analyte	Aqueous True	Aqueous Found	Aqueous %R	Solid (mg/Kg) True	Solid (mg/Kg) Found	C	Limits	%R
Arsenic				49.4	48.9		80 - 120	99.0
Barium				148	144		80 - 120	97.3
Cadmium				49.4	46.5		80 - 120	94.1
Chromium				49.4	48.4		80 - 120	98.0
Lead				49.4	47.5		80 - 120	96.2
Selenium				49.4	50		80 - 120	101.2
Silver				19.8	19.6		80 - 120	99.0

291112 1644

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154432LCS

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source: 47360

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.293	0.299		80 - 120	102.0

291112 1644

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

EPA Sample No.

154433LCSD

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source: 47360

Aqueous LCS Source:

	Aqueous			Solid (mg/Kg)				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury				0.299	0.311		80 - 120	104.0

291112 1644

U.S. EPA - CLP

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154631LCS

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source:

Aqueous LCS Source: 47360

	Aqueous (ug/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury	3	2.79	93.0				-	

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LABORATORY CONTROL SAMPLE

EPA Sample No.

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site 154632LCSD

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Solid LCS Source:

Aqueous LCS Source: 47360

	Aqueous (ug/L)			Solid				
Analyte	True	Found	%R	True	Found	C	Limits	%R
Mercury	3	2.79	93.0				-	

291112 1644

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SERIAL DILUTIONS

EPA Sample No.

350756906L

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: Water 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
Arsenic	11.70	U	100.00	U			P
Barium	2.47	U	1000.00	U			P
Cadmium	-1.92	U	25.00	U			P
Chromium	0.20	U	100.00	U			P
Lead	-1.25	U	75.00	U			P
Selenium	1.20	U	150.00	U			P
Silver	0.25	U	150.00	U			P

Comments:

291112 1644

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SERIAL DILUTIONS

EPA Sample No.

350757001L

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Matrix: Water 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
Mercury	0.13	U	1.00	U			CV

Comments:

291112 1644

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SERIAL DILUTIONS

EPA Sample No.

350760106L

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Arsenic	152.17		165.00		8.4		P
Barium	1478.11		1560.00		5.5		P
Cadmium		U		U			P
Chromium	152.38		159.00		4.3		P
Lead	303.13		323.00		6.6		P
Selenium		U		U			P
Silver		U		U			P

Comments:

291112 1644

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SERIAL DILUTIONS

EPA Sample No.

350762201L

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Mercury		U		U			CV

Comments:

291112 1644

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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
Arsenic	188.979	5.07	1	0.5	7/13/2012	P
Barium	233.527	1.6224	10	0.16	7/13/2012	P
Cadmium	226.502	0.507	0.5	0.05	7/13/2012	P
Chromium	267.716	1.6224	1	0.16	7/13/2012	P
Lead	220.353	3.4476	0.8	0.34	7/13/2012	P
Selenium	196.026	4.056	2	0.4	7/13/2012	P
Silver	328.068	1.6224	1.5	0.16	7/13/2012	P

Comments:

291112 1644

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

ICP ID Number : ICAP2

Furnace AA ID Number :

Analyte	Wave-length (nm)	Raw MDL (ug/L)	CRDL (ug/L)	MDL (ug/L)	Verification Date	M
Arsenic	188.979	3.31	20	3.31	7/13/2012	P
Barium	233.527	0.22	200	0.22	7/13/2012	P
Cadmium	226.502	0.72	5	0.72	7/13/2012	P
Chromium	267.716	0.43	20	0.43	7/13/2012	P
Lead	220.353	3.7	15	3.7	7/13/2012	P
Selenium	196.026	4.1	30	4.1	7/13/2012	P
Silver	328.068	0.52	30	0.52	7/13/2012	P

Comments:

291112 1644

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

ICP ID Number :

Furnace AA ID Number : FIMS

Analyte	Wave-length (nm)	Raw MDL (ug/L)	CRDL (ug/L)	MDL (ug/L)	Verification Date	M
Mercury	253.7	0.025	0.2	0.025	10/17/2012	CV

Comments:

291112 1644

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METHOD DETECTION LIMITS

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

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	0.044696	0.033	0.0037	10/17/2012	CV

Comments:

291112 1644

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INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No.: SDG No.: 3507601

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
Barium	233.527		32.186100												
Chromium	267.716						44.618000								

Comments:

291112 1644

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INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No.: SDG No.: 3507601

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
Barium	233.527													
Chromium	267.716						14.340200							

Comments:

291112 1644

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ICP LINEAR RANGES (SEMI-ANNUALLY)

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

ICP ID NUMBER : ICAP2 DATE : 12/8/2009

Analyte	Integ. Time (sec.)	Concentration UG/L	M
Arsenic	1	5000	P
Barium	1	5000	P
Cadmium	1	5000	P
Chromium	1	5000	P
Lead	1	5000	P
Selenium	1	5000	P
Silver	1	500	P

Comments:

291112 1644

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
154068MB	17 Nov 12		50
154069LCS	17 Nov 12		50
154070LCSD	17 Nov 12		50
RB-11-13-12	17 Nov 12		50

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Method : 6010

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
154331MB	20 Nov 12	0.509	
154332LCS	20 Nov 12	0.502	
154333LCSD	20 Nov 12	0.506	
CV0181C-CS	20 Nov 12	0.557	
CV0181C-CS(sieve)	20 Nov 12	0.517	
CV0194C-CS(sieve)	20 Nov 12	0.523	
CV0434A-CS(sieve)	20 Nov 12	0.531	
CV0698A-CS(sieve)	20 Nov 12	0.523	

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Method : 7470

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
154630MB	26 Nov 12		25
154631LCS	26 Nov 12		25
154632LCSD	26 Nov 12		25
RB-11-13-12	26 Nov 12		25

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PREPARATION LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Method : 7471

EPA Sample No:	Preparation Date	Weight (gram)	Volume (mL)
154431MB	20 Nov 12	0.252	
154432LCS	20 Nov 12	0.256	
154433LCSD	20 Nov 12	0.251	
CV0181C-CS	20 Nov 12	0.302	
CV0181C-CS(sieve)	20 Nov 12	0.263	
CV0194C-CS(sieve)	20 Nov 12	0.258	
CV0434A-CS(sieve)	20 Nov 12	0.328	
CV0698A-CS(sieve)	20 Nov 12	0.27	

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

EPA Sample No.	D/F	Time	%R	Analytes																																				
				AG	AL	AS	B	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	10:02		X		X		X			X			X											X		X													
CAL02	1	10:09						X			X																												
CAL03	1	10:15		X		X		X			X			X											X		X													
CAL04	1	10:21		X		X		X			X			X											X		X													
CAL05	1	10:26		X		X		X			X			X											X		X													
CAL06	1	10:31				X		X			X			X											X		X													
ICV1134798	1	11:19		X		X		X			X			X											X		X													
ICB1134799	1	11:24		X		X		X			X			X											X		X													
ZZZZZZ	1	11:36																																						
ICS1134801	1	11:42		X		X		X			X			X											X		X													
ICS1134802	1	11:47		X		X		X			X			X											X		X													
CCV1134803	1	11:52		X		X		X			X			X											X		X													
CCB1134804	1	11:58		X		X		X			X			X											X		X													
ZZZZZZ	1	12:31																																						
ZZZZZZ	1	12:36																																						
ZZZZZZ	1	12:42																																						
ZZZZZZ	1	12:47																																						
ZZZZZZ	5	12:57																																						
ZZZZZZ	1	13:03																																						
ZZZZZZ	1	13:08																																						
ZZZZZZ	1	13:13																																						
ZZZZZZ	1	13:19																																						
ZZZZZZ	1	13:25																																						
ZZZZZZ	2	13:30																																						
ZZZZZZ	10	13:37																																						
ZZZZZZ	2	13:43																																						
ZZZZZZ	2	13:48																																						
ZZZZZZ	2	13:54																																						
ZZZZZZ	1	13:59																																						
ZZZZZZ	1	14:05																																						
ZZZZZZ	5	14:11																																						
ZZZZZZ	1	14:17																																						
ZZZZZZ	1	14:23																																						
ZZZZZZ	1	14:29																																						

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	B	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	14:35																																
ZZZZZZ	1	14:40																																
ZZZZZZ	1	14:46																																
ZZZZZZ	1	14:52																																
ZZZZZZ	1	14:59																																
ZZZZZZ	1	15:05																																
ZZZZZZ	5	15:11																																
ZZZZZZ	1	15:18																																
ZZZZZZ	1	15:24																																
ZZZZZZ	1	15:30																																
ZZZZZZ	1	15:36																																
ZZZZZZ	1	15:41																																
ZZZZZZ	1	15:48																																
ZZZZZZ	1	15:54																																
ZZZZZZ	2	15:59																																
CCV1134841	1	16:06		X		X		X			X			X											X		X							
CCB1134842	1	16:11		X		X		X			X			X											X		X							
ZZZZZZ	5	16:17																																
ZZZZZZ	1	16:23																																
ZZZZZZ	1	16:29																																
ZZZZZZ	1	16:36																																
ZZZZZZ	1	16:42																																
154068MB	1	16:48		X		X		X			X			X											X		X							
154069LCS	1	16:54		X		X		X			X			X											X		X							
154070LCSD	1	17:00		X		X		X			X			X											X		X							
ZZZZZZ	1	17:05																																
350756906L	5	17:11		X		X		X			X			X											X		X							
CCV1134989	1	17:17		X		X		X			X			X											X		X							
CCB1134990	1	17:23		X		X		X			X			X											X		X							
ZZZZZZ	1	17:29																																
ZZZZZZ	1	17:34																																
350756906A	1	17:40		X		X		X			X			X											X		X							
ZZZZZZ	1	17:45																																
ZZZZZZ	1	17:51																																

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

EPA Sample No.	D/F	Time	%R	Analytes																												
				AG	AL	AS	B	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	17:57																														
ZZZZZZ	1	18:04																														
ZZZZZZ	1	18:10																														
ZZZZZZ	1	18:16																														
ZZZZZZ	1	18:22																														
CCV1135001	1	18:28		X		X		X			X			X											X		X					
CCB1135002	1	18:34		X		X		X			X			X											X		X					
RB-11-13-12	1	18:40		X		X		X			X			X											X		X					
ZZZZZZ	1	18:46																														
ZZZZZZ	1	18:52																														
ZZZZZZ	1	18:58																														
ZZZZZZ	1	19:04																														
ZZZZZZ	1	19:09																														
ZZZZZZ	1	19:15																														
ZZZZZZ	1	19:21																														
ZZZZZZ	1	19:26																														
ZZZZZZ	5	19:32																														
CCV1135013	1	19:39		X		X		X			X			X											X		X					
CCB1135014	1	19:44		X		X		X			X			X											X		X					
ZZZZZZ	1	19:50																														
ZZZZZZ	1	19:55																														
ZZZZZZ	1	20:01																														
ZZZZZZ	1	20:06																														
ZZZZZZ	1	20:12																														
ZZZZZZ	1	20:18																														
ZZZZZZ	1	20:25																														
ZZZZZZ	1	20:31																														
ZZZZZZ	1	20:38																														
ZZZZZZ	1	20:43																														
ZZZZZZ	1	20:48																														
ZZZZZZ	1	20:54																														
CAL01	1	0:02		X		X		X			X			X											X		X					
CAL02	1	0:08						X			X																					
CAL03	1	0:14		X		X		X			X			X											X		X					

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

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						
CAL04	1	0:20		X		X	X			X			X											X		X												
CAL05	1	0:25		X		X	X			X			X											X		X												
CAL06	1	0:31				X	X			X			X											X		X												
ICV1135363	1	0:55		X		X	X			X			X											X		X												
ICB1135364	1	1:01		X		X	X			X			X											X		X												
ZZZZZZ	1	1:07																																				
ICS1135366	1	1:13		X		X	X			X			X											X		X												
ICS1135367	1	1:18		X		X	X			X			X											X		X												
CCV1135368	1	1:24		X		X	X			X			X											X		X												
CCB1135369	1	1:29		X		X	X			X			X											X		X												
ZZZZZZ	1	1:45																																				
ZZZZZZ	1	1:51																																				
ZZZZZZ	1	1:57																																				
ZZZZZZ	1	2:02																																				
ZZZZZZ	5	2:08																																				
ZZZZZZ	1	2:15																																				
ZZZZZZ	1	2:20																																				
ZZZZZZ	1	2:25																																				
ZZZZZZ	1	2:31																																				
ZZZZZZ	1	2:37																																				
ZZZZZZ	1	2:42																																				
ZZZZZZ	1	2:47																																				
ZZZZZZ	1	2:53																																				
ZZZZZZ	1	2:59																																				
ZZZZZZ	1	3:04																																				
ZZZZZZ	1	3:09																																				
ZZZZZZ	1	3:15																																				
ZZZZZZ	1	3:21																																				
ZZZZZZ	1	3:26																																				
ZZZZZZ	5	3:31																																				
ZZZZZZ	1	3:37																																				
ZZZZZZ	1	3:42																																				
CCV1135392	1	3:47		X		X	X			X			X											X		X												
CCB1135393	1	3:53		X		X	X			X			X											X		X												

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

EPA Sample No.	D/F	Time	%R	Analytes																														
				AG	AL	AS	B	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	3:59																																
ZZZZZZ	1	4:04																																
ZZZZZZ	5	4:09																																
ZZZZZZ	1	4:15																																
ZZZZZZ	1	4:20																																
ZZZZZZ	1	4:25																																
ZZZZZZ	1	4:30																																
154331MB	1	4:36		X		X		X			X			X											X		X							
154332LCS	1	4:42		X		X		X			X			X											X		X							
154333LCSD	1	4:47		X		X		X			X			X											X		X							
CCV1135404	1	4:53		X		X		X			X			X											X		X							
CCB1135405	1	4:58		X		X		X			X			X											X		X							
ZZZZZZ	1	5:04																																
ZZZZZZ	5	5:09																																
ZZZZZZ	1	5:15																																
ZZZZZZ	1	5:20																																
350760007A	1	5:26		X		X		X			X			X											X		X							
ZZZZZZ	1	5:31																																
ZZZZZZ	1	5:36																																
CV0181C-CS	1	5:42		X		X		X			X			X											X		X							
350760106L	5	5:47		X		X		X			X			X											X		X							
CV0194C-CS(sieve)	1	5:53		X		X		X			X			X											X		X							
CCV1135416	1	5:58		X		X		X			X			X											X		X							
CCB1135417	1	6:03		X		X		X			X			X											X		X							
CV0698A-CS(sieve)	1	6:09		X		X		X			X			X											X		X							
CV0181C-CS(sieve)	1	6:15		X		X		X			X			X											X		X							
CV0434A-CS(sieve)	1	6:20		X		X		X			X			X											X		X							
ZZZZZZ	1	6:26																																
ZZZZZZ	5	6:31																																
ZZZZZZ	1	6:37																																
ZZZZZZ	1	6:42																																
ZZZZZZ	1	6:47																																
ZZZZZZ	1	6:53																																
ZZZZZZ	1	6:58																																

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : ICAP2 Method : P

Start Date : 11/19/2012 End Date : 11/21/2012

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		
CCV1135428	1	7:03		X		X	X			X			X											X		X								
CCB1135429	1	7:09		X		X	X			X			X											X		X								

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : FIMS Method : CV

Start Date : 11/26/2012 End Date : 11/26/2012

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	14:15														X																		
CAL02	1	14:17														X																		
CAL03	1	14:19														X																		
CAL04	1	14:20														X																		
CAL05	1	14:22														X																		
CAL06	1	14:24														X																		
ICV1136015	1	14:26														X																		
ICB1136016	1	14:28														X																		
CCV1136017	1	14:30														X																		
CCB1136018	1	14:31														X																		
154630MB	1	14:33														X																		
154631LCS	1	14:35														X																		
154632LCSD	1	14:37														X																		
ZZZZZZ	1	14:39																																
ZZZZZZ	1	14:40																																
ZZZZZZ	1	14:42																																
ZZZZZZ	1	14:44																																
ZZZZZZ	1	14:46																																
ZZZZZZ	1	14:48																																
ZZZZZZ	1	14:50																																
CCV1136029	1	14:51														X																		
CCB1136030	1	14:53														X																		
RB-11-13-12	1	14:55														X																		
ZZZZZZ	1	14:57																																
ZZZZZZ	1	14:58																																
ZZZZZZ	1	15:00																																
ZZZZZZ	1	15:02																																
ZZZZZZ	1	15:04																																
350757001L	5	15:06														X																		
350757001A	1	15:07														X																		
CCV1136039	1	15:09														X																		
CCB1136040	1	15:11														X																		

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : FIMS Method : CV

Start Date : 11/21/2012 End Date : 11/21/2012

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	12:09														X																		
CAL02	1	12:11														X																		
CAL03	1	12:13														X																		
CAL04	1	12:14														X																		
CAL05	1	12:16														X																		
CAL06	1	12:18														X																		
ZZZZZZ	1	12:20																																
ZZZZZZ	1	12:22																																
ICV1135933	1	12:27														X																		
ICB1135934	1	12:28														X																		
CCV1135935	1	12:30														X																		
CCB1135936	1	12:32														X																		
154431MB	1	12:34														X																		
154432LCS	1	12:36														X																		
154433LCSD	1	12:37														X																		
ZZZZZZ	1	12:39																																
ZZZZZZ	1	12:41																																
ZZZZZZ	1	12:43																																
ZZZZZZ	1	12:45																																
ZZZZZZ	1	12:46																																
ZZZZZZ	1	12:48																																
ZZZZZZ	1	12:50																																
CCV1135947	1	12:52														X																		
CCB1135948	1	12:54														X																		
ZZZZZZ	1	12:55																																
ZZZZZZ	1	12:57																																
ZZZZZZ	1	12:59																																
ZZZZZZ	1	13:01																																
ZZZZZZ	1	13:03																																
CV0181C-CS	1	13:04														X																		
CV0194C-CS(sieve)	1	13:06														X																		
CV0698A-CS(sieve)	1	13:08														X																		
CV0181C-CS(sieve)	1	13:10														X																		
CV0434A-CS(sieve)	1	13:12														X																		

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ANALYSIS RUN LOG

Lab Name: Spectrum Analytical, Inc. Contract: 35th Avenue Superfund Site

Lab Code : PEL Case No.: SAS No: SDG No.: 3507601

Instrument ID Number : FIMS Method : CV

Start Date : 11/21/2012 End Date : 11/21/2012

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
CCV1135959	1	13:13														X																
CCB1135960	1	13:15														X																
ZZZZZZ	1	13:17																														
ZZZZZZ	1	13:19																														
ZZZZZZ	1	13:21																														
ZZZZZZ	1	13:22																														
ZZZZZZ	5	13:24																														
ZZZZZZ	1	13:26																														
ZZZZZZ	1	13:28																														
ZZZZZZ	1	13:30																														
ZZZZZZ	1	13:39																														
ZZZZZZ	1	13:40																														
ZZZZZZ	1	13:42																														
ZZZZZZ	1	13:44																														
ZZZZZZ	1	13:46																														
ZZZZZZ	1	13:48																														
ZZZZZZ	5	13:49																														
ZZZZZZ	1	13:51																														
ZZZZZZ	1	13:53																														
ZZZZZZ	1	13:55																														
CCV1135979	1	14:53														X																
CCB1135980	1	14:54														X																
ZZZZZZ	1	14:56																														
ZZZZZZ	1	14:58																														
ZZZZZZ	1	15:00																														
ZZZZZZ	1	15:02																														
350762201L	5	15:04														X																
350762201A	1	15:05														X																
CCV1135987	1	15:07														X																
CCB1135988	1	15:09														X																

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Chain of Custody Documentation

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SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 3 of 3 3507601 LF

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☒ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 175 Metro Center Blvd, Warwick, RI 02886, (401) 732-3400

Special Handling:

TAT- Indicate Date Needed: 14 days
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Liman Krebs
1220 Kepreston Circle, St 104
Marietta, GA 30066
Oneida Total Integrated Enterprise
Telephone #: 678-355-6412
Project Mgr. Russell Henderson

Invoice To: Accounts Payable
Oneida Total Integrated Enter.
1033 N. Mayfair Road Ste 200
Milwaukee, WI 53226
P.O. No.: _____ RQN: _____

Project No.: 3005148-1356
Site Name: 35th Avenue Removal Site
Location: Birmingham State: AL
Sampler(s): J. Barton, N. Bemis, R. Stubbs,

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11=_____ 12=_____

List preservative code below:

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Containers: # of VOA Vials | # of Amber Glass | # of Clear Glass | # of Plastic

Analyses: OAN (SIM) | PCBs as Aroclors

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other _____
State-specific reporting standards:

3507601

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	OAN (SIM)	PCBs as Aroclors
01	FMØ102C-CSO	11/13/12	1435	CS	SO			1		X	
02	FMØ102D-CS	11/13/12	1445	CS	SO			1		X	
03	FMØ102E-CS	11/13/12	1510	CS	SO			1		X	
04	CVØ181A-CS	11/13/12	1600	CS	SO			1		X	
05	CVØ181B-CS	11/13/12	1625	CS	SO			1		X	
06	CVØ181C-CS	11/13/12	1640	CS	SO			2		X	X
07	CVØ194C-CS(SIEVE)	11/13/12	1024	CS	SO			1		[illegible]	X
08	CVØ698A-CS(SIEVE)	11/13/12	1435	CS	SO			1			X
09	CVØ181C-CS(SIEVE)	11/13/12	1640	CS	SO			1			X
10	CVØ434A-CS(SIEVE)	11/13/12	1200	CS	SO			1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
L Krebs		11/15/2012	10:05	5.6
				7.3

☒ EDD Format SEDD
☒ E-mail to Lkrebs@othe.com

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

172

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 1 3507601

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☒ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 175 Metro Center Blvd, Warwick, RI 02886, (401) 732-3400

Special Handling:

TAT- Indicate Date Needed: 14 days
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Liman Krebs
Oneida Total Integrated Enter.
1200 Ironstone Circle, Ste 106
Marietta, GA 30066
Telephone #: 678-355-6412
Project Mgr. Russell Henderson

Invoice To: Accounts Payable
Oneida Total Integrated Enter.
1033 N. Mayfair Road Ste 200
Milwaukee, WI 53226
P.O. No.: _____ RQN: _____

Project No.: 2005148-1356
Site Name: 35th Avenue Removal Site
Location: Birmingham State: AL
Sampler(s): R. Anglin

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List preservative code below:

QA/QC Reporting Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TCLSVOC	PCBs	8082A						
11	RB-11/13/12	11/13/12	15:30		W		1		1	X	X	X						

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☒ Level IV
☐ Other _____

State-specific reporting standards:
_____

Relinquished by:	Received by:	Date:	Time:	Temp°C
L Krebs		11/13/2012	10:03	3.3
				5.2

☒ EDD Format SEDD
☒ E-mail to LKrebs@oneil.com

HCl 6010

Condition upon receipt:
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

3473

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8755 8570 6240

Form ID No. 0215

From This portion can be removed for Recipient's records.

Date 11-19-12 FedEx Tracking Number 875585706240

Sender's Name OTIE Phone 678 395-5550

Company ONEIDA TTL INTEG ENT GOVT

Address 1220 KENNESTONE CIR STE 106 Dept./Floor/Suite/Room

City MARIETTA State GA ZIP 30066-6022

2 Your Internal Billing Reference

3 To

Recipient's Name [redacted] Phone [redacted]

Company [redacted]

Address [redacted] Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City [redacted] State FL ZIP 33634

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.

0438970515

8755 8570 6240

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.
- [X] 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
- [X] 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.

- [X] 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. [ ]

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages 1 Total Weight 5 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

RECIPIENT: PEEL HERE

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8755 8570 6250

1 From This portion can be removed for Recipient's records.

Date 11-19-12 FedEx Tracking Number 875585706250

Sender's Name OTIE Phone 678 395-5550

Company ONEIDA TTL INTEG ENT GOVT

Address 1220 KENNESTONE CIR STE 106 Dept./Floor/Suite/Room

City MARIETTA State GA ZIP 30066-6022

2 Your Internal Billing Reference

3 To

Recipient's Name [redacted] Phone [redacted]

Company [redacted]

Address [redacted] Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City [redacted] State FL ZIP 33634

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.

0438970515

8755 8570 6250

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.
- [X] 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
- [X] 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.

- [X] 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. [ ]

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

[redacted]

Total Packages 1 Total Weight 5 lbs. Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

3507601

pH LOG SHEET

WO#: 3507601

Client/Project 35th Avenue Superfund Site

SampNumber	Method	Matrix		pH	Containers	Temp	Acid	
350760111	7470	W	<	2	(1)		HNO3	Cfryman 15-Nov-12
350760111	6010	W	<	2	(1)		HNO3	Cfryman 15-Nov-12

3507601

Sample Receipt Confirmation Sheet

Client Information

SDG:	3507601	**Level:**	4
Client:	OTIE	**Date Rec'd:**	11/15/2012 10:03:00 AM
Profile:	91122	**Due Date:**	11/26/2012
Project:	35th Avenue Superfund Site	**Profile Name:**	35th Avenue Superfund Site

Sample Verification

Samples/Cooler Secure?	Yes	**COC Present?**	Yes
Temperature of Samples:	5.6	**All Samples on COC accounted For?**	Yes
Number of Coolers Received:	2	**All Samples Rec'd Intact?**	Yes
Temp Gun ID:	101722663	**Sample Vol. Sufficient For Analysis**	Yes
pH Verified?	Yes	**Samples Rec'd W/I Hold Time?**	Yes
pH WNL?	Yes	**Are All Samples to be Analyzed?**	Yes
Samples Received By:	Fed-Ex	**Correct Sample Containers?**	Yes
Tracking Number:	875585706250	**COC Comments written on COC?**	Yes
Profile Picked By:	MG	**Samplers Initials on COC?**	Yes
Soil Origin (Domestic/Foreign):	Domestic	**Sample Date/Time Indicated?**	Yes
Site Location/Project on COC?	Yes	**TAT Requested:**	STD
Client Project # on COC?	Yes	**Client Requests Verbal Results?**	No
Project Mgr. Indicated on COC?	Yes	**Client Requests Faxed Results?**	No
COC relinquished/Dated by Client?	Yes	**Specific Subcontract Indicated?**	No
COC Received/Dated by SA?	Yes	**Written on Outside Lab Board?**	No
Written on Internal COC?	Yes	**Radioactivity Check?**	No
Lab to Conduct ALL Analyses?	Yes		

Comments

Specific tests noted on COC.

LABEL REVIEW

PEER REVIEW

Client: OTIE

WONo: 3507601 Profile Name: 35th Avenue Superfu Profile #: 91122

MATRIX S

Sample #	Bottle	Parameter		Check	Received	Date
01	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
01	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:10 AM
01	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:37 PM
01	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:22 PM
01	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 7:59:33 PM
02	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
02	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:16 AM
02	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:47 PM
02	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:25 PM
02	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 7:59:46 PM
03	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
03	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:18 AM
03	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:48 PM
03	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:26 PM
03	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 7:59:50 PM
04	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
04	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:20 AM
04	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:48 PM
04	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:27 PM
04	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 7:59:52 PM
05	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
05	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:23 AM
05	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:49 PM
05	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:29 PM
05	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:03 PM
06	002	6010	Metals	In	Cfryman	11/15/2012 5:27:19 PM

06	002	6010	Metals	Out	Justin Bowman	11/20/2012 4:54:39 PM
06	002	6010	Metals	In	Justin Bowman	11/20/2012 11:31:46 PM
06	002	7471	Mercury	In	Cfryman	11/15/2012 5:27:19 PM
06	002	7471	Mercury	Out	Justin Bowman	11/20/2012 4:54:39 PM
06	002	7471	Mercury	In	Justin Bowman	11/20/2012 11:31:46 PM
06	001	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:19 PM
06	001	8270_SIM	GCMS semivolatile SIM	Out	Robert Nickel	11/19/2012 8:49:25 AM
06	001	8270_SIM	GCMS semivolatile SIM	In	Devon Thompson	11/19/2012 6:39:49 PM
06	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:31 PM
06	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:07 PM
07	001	6010	Metals	In	Cfryman	11/15/2012 5:27:20 PM
07	001	6010	Metals	Out	Justin Bowman	11/20/2012 4:54:25 PM
07	001	6010	Metals	In	Justin Bowman	11/20/2012 11:31:45 PM
07	001	7471	Mercury	In	Cfryman	11/15/2012 5:27:20 PM
07	001	7471	Mercury	Out	Justin Bowman	11/20/2012 4:54:26 PM
07	001	7471	Mercury	In	Justin Bowman	11/20/2012 11:31:45 PM
07	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:32 PM
07	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:24 PM
08	001	6010	Metals	In	Cfryman	11/15/2012 5:27:20 PM
08	001	6010	Metals	Out	Justin Bowman	11/20/2012 4:54:31 PM
08	001	6010	Metals	In	Justin Bowman	11/20/2012 11:31:43 PM
08	001	7471	Mercury	In	Cfryman	11/15/2012 5:27:20 PM
08	001	7471	Mercury	Out	Justin Bowman	11/20/2012 4:54:31 PM
08	001	7471	Mercury	In	Justin Bowman	11/20/2012 11:31:43 PM
08	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:34 PM
08	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:27 PM
09	001	6010	Metals	In	Cfryman	11/15/2012 5:27:20 PM
09	001	6010	Metals	Out	Justin Bowman	11/20/2012 4:54:28 PM
09	001	6010	Metals	In	Justin Bowman	11/20/2012 11:31:41 PM
09	001	7471	Mercury	In	Cfryman	11/15/2012 5:27:20 PM
09	001	7471	Mercury	Out	Justin Bowman	11/20/2012 4:54:28 PM

WONo: 3507601 Profile Name: 35th Avenue Superfu Profile #: 91122

09	001	7471	Mercury	In	Justin Bowman	11/20/2012 11:31:41 PM
09	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:35 PM
09	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:29 PM
10	001	6010	Metals	In	Cfryman	11/15/2012 5:27:20 PM
10	001	6010	Metals	Out	Justin Bowman	11/20/2012 4:54:36 PM
10	001	6010	Metals	In	Justin Bowman	11/20/2012 11:31:37 PM
10	001	7471	Mercury	In	Cfryman	11/15/2012 5:27:20 PM
10	001	7471	Mercury	Out	Justin Bowman	11/20/2012 4:54:36 PM
10	001	7471	Mercury	In	Justin Bowman	11/20/2012 11:31:37 PM
10	001	Dry Weight	Dry Weight	Out	Devon Thompson	11/19/2012 6:40:37 PM
10	001	Dry Weight	Dry Weight	In	Devon Thompson	11/19/2012 8:00:32 PM

MATRIX W

Sample #	Bottle	Parameter		Check	Received	Date
11	001	6010	Metals	In	Cfryman	11/15/2012 5:27:20 PM
11	001	6010	Metals	Out	Justin Bowman	11/17/2012 4:54:16 PM
11	001	6010	Metals	In	Justin Bowman	11/17/2012 6:16:58 PM
11	001	7470	Mercury	In	Cfryman	11/15/2012 5:27:21 PM
11	001	7470	Mercury	Out	Justin Bowman	11/26/2012 10:18:30 AM
11	001	7470	Mercury	In	Justin Bowman	11/26/2012 1:17:49 PM
11	002	8270	GCMS semivolatile	In	Cfryman	11/15/2012 5:27:21 PM
11	002	8270	GCMS semivolatile	Consumed	Ryan Bennett	11/20/2012 9:09:01 AM
11	002	8270_SIM	GCMS semivolatile SIM	In	Cfryman	11/15/2012 5:27:21 PM
11	002	8270_SIM	GCMS semivolatile SIM	Consumed	Ryan Bennett	11/20/2012 9:09:00 AM

Addendum

291112 1644

Letter of Acceptance

Customer Name:	Oneida Total Integrated Enterprises
Date and Time Received:	11/15/2012 10:03:00 AM
Date to be Reported:	11/30/2012
Laboratory Submission Number/SDG:	3507601

Project: 35th Avenue Superfund Site

Samples: The submission consisted of 11 samples, including QC, with sample identification shown in the attached data tables.

Tests: The Samples will be analyzed for EPA methods: 6010, 7470, 7471, 8270, 8270_SIM.

Sample Custody/COC discrepancies:

None.

Notes:

Temp 5.6, 3.3 C
pH < 2 6010
Sample 11 Split amber between 8270 & 8270_SIM

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: 30 analyses on 11 samples (including QC) *16-Nov-12*

Report/SDG #: 3507601

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
FM0102C-CSD	350760101		S	11/13/2012 2:25:00 PM	11/15/2012 10:03:00 AM

Method		
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
FM0102D-CS	350760102		S	11/13/2012 2:45:00 PM	11/15/2012 10:03:00 AM

Method		
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
FM0102E-CS	350760103		S	11/13/2012 3:10:00 PM	11/15/2012 10:03:00 AM

Method		
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0181A-CS	350760104		S	11/13/2012 4:00:00 PM	11/15/2012 10:03:00 AM

Method		
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0181B-CS	350760105		S	11/13/2012 4:25:00 PM	11/15/2012 10:03:00 AM

Method		
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3507601

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0181C-CS	350760106		S	11/13/2012 4:40:00 PM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
8270_SIM	GCMS semivolatile SIM	8270 SIM
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0194C-CS(sieve)	350760107		S	11/13/2012 10:24:00 AM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0698A-CS(sieve)	350760108		S	11/13/2012 2:35:00 PM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0181C-CS(sieve)	350760109		S	11/13/2012 4:40:00 PM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
Dry Weight	Dry Weight	Dry Weight

Report/SDG #: 3507601

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
CV0434A-CS(sieve)	350760110		S	11/13/2012 12:00:00 PM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7471	Mercury	7471
Dry Weight	Dry Weight	Dry Weight

SampleID	LAB ID	StationID	Matrix	SampleDate	ReceiveDate
RB-11-13-12	350760111		W	11/13/2012 3:30:00 PM	11/15/2012 10:03:00 AM

Method		
6010	Metals	6010
7470	Mercury	7470
8270	GCMS semivolatile	8270
8270_SIM	GCMS semivolatile SIM	8270 SIM

Mark Gudnason [Tampa]

From: Mark Gudnason [Tampa]
Sent: Monday, December 17, 2012 12:26 PM
To: 'Limari Krebs'
Cc: Renea Anglin; Russell Henderson
Subject: RE: Questions about Organics SDG 3507558

Limari,
We can revise the other SDGs to include the summary forms for MS/MSDs.

I will keep you posted on the revisions.

Mark

From: Limari Krebs [mailto:LKrebs@otie.com]
Sent: Monday, December 17, 2012 10:30 AM
To: Mark Gudnason [Tampa]
Cc: Renea Anglin; Russell Henderson
Subject: RE: Questions about Organics SDG 3507558

Mark:

Will you be revising the other SDGs to include the MS/MSD results as well?

Limari Krebs
START Sr. Chemist

Oneida Total Integrated Enterprises (OTIE)
1220 Kennestone Circle, Suite 106
Marietta, GA 30066
678.355.5550 x 5703 office
678.255.6412 cell
770.528.0167 fax
www.otie.com

Engineering, Science and Construction

From: Mark Gudnason [Tampa] [mailto:mgudnason@pelab.com]
Sent: Friday, December 14, 2012 2:49 PM
To: Limari Krebs
Cc: Renea Anglin; Russell Henderson
Subject: RE: Questions about Organics SDG 3507558

Limari,

The revised EDD and report just posted and is available online.

Mark

From: Limari Krebs [mailto:LKrebs@otie.com]
Sent: Wednesday, December 12, 2012 11:43 AM

To: Mark Gudnason [Tampa]
Cc: Renea Anglin; Russell Henderson
Subject: Questions about Organics SDG 3507558

Mark:

The data validation group has brought up some questions with regards to SDG 3507558. Could you please take a look and provide a response to all in the email chain above?

1. Results for only one surrogate, benzo(a)pyrene-d12, were reported by the laboratory for the SW-846 8270D SIM analysis. Recovery of this surrogate did not meet laboratory control limits in all undiluted sample analyses, but one. According to the raw data, each sample was spiked with the surrogates benzo (e)pyrene-d12, fluoranthene-d10, and 2-methylnaphthalene-d2[1], but results for fluoranthene-d10 and 2-methylnaphthalene-d21 were not reported by the laboratory. If the laboratory had reported results for these two surrogates, qualification of most semivolatile data may possibility be avoided. Because only results for benzo(a)pyrene-d12 are reported, qualification of all data is based on the results of this one surrogate compound.

   Associated Target Compounds for Benzo (a) pyrene-d12 per June 2001 NFG:
   Benzo(b)fluoranthene
   Benzo(k)fluoranthene
   Benzo(a)pyrene
   Indeno(1,2,3-cd)pyrene
   Dibenzo(a,h)anthracene
   Benzo(g,h,i)perylene
   According to CLP NFG (June 2008), 2-Methylnaphthalene-d10 and fluoranthene-d10 are the surrogates to be used for SIM analysis.
   Associated Target Compounds for Fluoranthene-d10 and 2-Methylnapthalene-d10 per June 2008 NFG:

Fluoranthene-d10 (DMC)	2-Methylnapthalene-d10 (DMC)
Fluoranthene	Naphthalene
Pyrene	2-Methylnapthalene
Benzo(a)anthracene	Acenaphthylene
Chrysene	Acenaphthene
Benzo(b)fluoranthene	Fluorene
Benzo(k)fluoranthene	Pentachlorophenol
Benzo(a)pyrene	Phenanthrene
Indeno(1,2,3-cd)pyrene	Anthracene
Dibenzo(a,h)anthracene	
Benzo(g,h,i)perylene	

   It is recommended that results for the two above-mentioned surrogates be reported by the laboratory.

2. There are inconsistencies between the Extraction Log 8270 SIM Soil Ext (pages 230-237) and Standards Log (page 238-241) concerning the spiking levels used for the surrogates. According to Extraction Log 8270 SIM Soil Ext, 0.5 µg/L of 48541 (benzo(a)pyrene-d12) and 48187 were spiked into the samples. According to the Standards Log, standard 48541 consists of benzo(a)pyrene-d12 at a concentration of 0.6 µg/L. This difference may result in surrogate recoveries being even lower than that reported by the laboratory. The standard 48187 appears to consist of 2-methylnaphthalene-d10 and fluoroanthene-d10 at a concentration of 0.8 µg/ml. Results for 2-methylnaphthalene-d10 and fluoroanthene-d10 have not been reported by the laboratory (refer to issue 6).

3. MS/MSD results were not included. According to the Soil Extraction Log, sample CV0494A-CS was prepared for the PAH-SIM MS and MSD analysis; however, the analytical results were not included in the data package

Regards,

Limari Krebs
START Sr. Chemist

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Engineering, Science and Construction

[1] Standards Log reflect 2-methylnaphthalene-d10

Appendix

291112 1644

Raw Data Method 8270 SIM

SEQUENCE CHECK

SDG: 3507601 **Method:** 8270_SIM

Sample ID	Lab ID	Initial Cal Reference	File Name	Batch	Col	Instrument	Run Date	Dilution
DFTPP1135489	DFTPP1	N/A	DFTPP1.D	S3112012	1	SMSD03	11/20/12 16:50	1
STD1135485	47785	SMSD0311/20/12-1950~S3112012	SSCAL4.D	S3112012	1	SMSD03	11/20/12 17:27	1
STD1135483	47782	SMSD0311/20/12-1950~S3112012	SSCAL7.D	S3112012	1	SMSD03	11/20/12 17:52	1
STD1135480	47783	SMSD0311/20/12-1950~S3112012	SSCAL6.D	S3112012	1	SMSD03	11/20/12 18:15	1
STD1135477	47784	SMSD0311/20/12-1950~S3112012	SSCAL5.D	S3112012	1	SMSD03	11/20/12 18:39	1
STD1135471	47786	SMSD0311/20/12-1950~S3112012	SSCAL3.D	S3112012	1	SMSD03	11/20/12 19:02	1
STD1135468	47787	SMSD0311/20/12-1950~S3112012	SSCAL2.D	S3112012	1	SMSD03	11/20/12 19:26	1
STD1135465	47788	SMSD0311/20/12-1950~S3112012	SSCAL1.D	S3112012	1	SMSD03	11/20/12 19:50	1
SSC1135487	47789	SMSD0311/20/12-1950~S3112012	SSSEC.D	S3112012	1	SMSD03	11/20/12 20:13	1
FM0102D-CS	350760102	SMSD0311/20/12-1950~S3112012	601-02.D	S3112012	1	SMSD03	11/20/12 22:11	1
FM0102E-CS	350760103	SMSD0311/20/12-1950~S3112012	601-03.D	S3112012	1	SMSD03	11/20/12 22:35	1
CV0181A-CS	350760104	SMSD0311/20/12-1950~S3112012	601-04.D	S3112012	1	SMSD03	11/20/12 22:59	1
CV0181B-CS	350760105	SMSD0311/20/12-1950~S3112012	601-05.D	S3112012	1	SMSD03	11/20/12 23:22	1
CV0181C-CS	350760106	SMSD0311/20/12-1950~S3112012	601-06.D	S3112012	1	SMSD03	11/20/12 23:46	1
FM0102C-CSD	350760101	SMSD0311/20/12-1950~S3112012	601-01.D	S3112012	1	SMSD03	11/21/12 02:31	1
DFTPP1135989	47137	N/A	DFTPP2.D	S41114SScal	1	SMSD04	11/14/12 19:35	1
STD1135484	47782	SMSD0411/14/12-2158~S41114SScal	SSCAL7.d	S41114SScal	1	SMSD04	11/14/12 19:53	1
STD1135481	47783	SMSD0411/14/12-2158~S41114SScal	SSCAL6.d	S41114SScal	1	SMSD04	11/14/12 20:14	1
STD1135478	47784	SMSD0411/14/12-2158~S41114SScal	SSCAL5.d	S41114SScal	1	SMSD04	11/14/12 20:35	1
STD1135474	47785	SMSD0411/14/12-2158~S41114SScal	SSCAL4.d	S41114SScal	1	SMSD04	11/14/12 20:56	1
STD1135472	47786	SMSD0411/14/12-2158~S41114SScal	SSCAL3.d	S41114SScal	1	SMSD04	11/14/12 21:17	1
STD1135469	47787	SMSD0411/14/12-2158~S41114SScal	SSCAL2.d	S41114SScal	1	SMSD04	11/14/12 21:38	1
STD1135466	47788	SMSD0411/14/12-2158~S41114SScal	SSCAL1.d	S41114SScal	1	SMSD04	11/14/12 21:58	1
SSC1135488	47789	SMSD0411/14/12-2158~S41114SScal	SSSEC.d	S41114SScal	1	SMSD04	11/14/12 22:19	1
DFTPP1135492	47137	N/A	DFTPP2.d	S4112012	1	SMSD04	11/20/12 15:52	1
CCV1135494	47785	SMSD0411/14/12-2158~S41114SScal	SSCAL4.d	S4112012	1	SMSD04	11/20/12 16:10	1
153989MB	153989MB	SMSD0411/14/12-2158~S41114SScal	11582MB.d	S4112012	1	SMSD04	11/20/12 18:22	1
153990LCS	153990LCS	SMSD0411/14/12-2158~S41114SScal	11582LCS.d	S4112012	1	SMSD04	11/20/12 19:02	1
154239MB	154239MB	SMSD0411/14/12-2158~S41114SScal	11613MB.d	S4112012	1	SMSD04	11/20/12 20:13	1
154240LCS	154240LCS	SMSD0411/14/12-2158~S41114SScal	11613LCS.d	S4112012	1	SMSD04	11/20/12 21:13	1
154241LCSD	154241LCSD	SMSD0411/14/12-2158~S41114SScal	11613LCSD.d	S4112012	1	SMSD04	11/20/12 21:33	1
RB-11-13-12	350760111	SMSD0411/14/12-2158~S41114SScal	601-11.d	S4112012	1	SMSD04	11/20/12 21:53	1

SDG: 3507601 **Method:** 8270_SIM

Sample ID	Lab ID	Initial Cal Reference	File Name	Batch	Col	Instrument	Run Date	Dilution

Analyst Posted: nsubar 11/28/2012 4:12:48 Date

Analyst Reviewed: rortiz 11/29/2012 10:27:3 Date

3507601

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Extraction Method	3545

Extraction Log 8270 SIM Soil Ext

Batch ID 11582

Start: 11/19/2012 9:15:00 AM
End: 11/20/2012 8:38:05 PM

Water Bath Temp: 70 °C

Thermometer ID: STBA **Balance ID:** P35923

Final

Batch ID: 11582

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350760101	1	FM0102C-CSD	11/13/2012 2:25:00 PM	SAMPLE	NONE	BROWN	CLAY	25.34 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350760102	1	FM0102D-CS	11/13/2012 2:45:00 PM	SAMPLE	NONE	BROWN	SOIL	25.15 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350760103	1	FM0102E-CS	11/13/2012 3:10:00 PM	SAMPLE	NONE	BROWN	SOIL	25.56 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350760104	1	CV0181A-CS	11/13/2012 4:00:00 PM	SAMPLE	NONE	BROWN	SOIL	25.62 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350760105	1	CV0181B-CS	11/13/2012 4:25:00 PM	SAMPLE	NONE	BROWN	SOIL	25.24 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350760106	1	CV0181C-CS	11/13/2012 4:40:00 PM	SAMPLE	NONE	BROWN	SOIL	25.3 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350762001	1	FM0279A-CS-SP	11/15/2012 10:00:00 AM	SAMPLE	NONE	BROWN	CLAY	25.12 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350762010	1	FM0088B-CS-SP	11/15/2012 3:15:00 PM	SAMPLE	NONE	BROWN	SOIL	25.25 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350762011	1	FM0088C-CS-SP	11/15/2012 3:25:00 PM	SAMPLE	NONE	BROWN	SOIL	25.38 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A

33507601

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350762012	1	FM0035A-CS-SP	11/15/2012 1:25:00 PM	SAMPLE	NONE	BROWN	SOIL	25.25 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350762013	1	FM0035B-CSD-SP	11/15/2012 1:45:00 PM	SAMPLE	NONE	BROWN	SOIL	25.31 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
350762014	1	FM0035B-CS-SP	11/15/2012 1:45:00 PM	SAMPLE	NONE	BROWN	SOIL	25.79 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
153989MB		153989MB		MB	NONE	TAN	SOIL	20.82 G	1 mL		1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
153990LCS		153990LCS		LCS	NONE	TAN	SOIL	20.19 G	1 mL		1mL 8270 SIM_Spike: 48086 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
153991MS	1	FM0102C-CSDMS		MS	NONE	BROWN	CLAY	25.46 G	1 mL		1mL 8270 SIM_Spike: 48086 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A
153992MSD	1	FM0102C-CSDMSD		MSD	NONE	BROWN	CLAY	25.7 G	1 mL		1mL 8270 SIM_Spike: 48086 @ PAH 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48560 @ 0.5 ug/ml;		N/A

350760

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent	48452	**Hydromatrix**	48593
Final Solvent	48452	**Sand**	48589
Filter Paper	48377	**ASE #**	1
NaSO4	48592		

Name: Agnes Tapolyai Title: Prep Tech 11/20/2012 8:38:05 PM

Analyst Posted atapolyai Date

11/20/2012 8:42:16 PM

Peer Reviewed rbennett Date

11/28/2012 4:(

Analyst Reviewed nsubar Date

3507601

Comments:

Sample Comments

Lab ID	Client ID	Comments
153989MB	153989MB	
153990LCS	153990LCS	
153991MS	FM0102C-CSDMS	
153992MSD	FM0102C-CSDMSD	
350760101	FM0102C-CSD	
350760102	FM0102D-CS	
350760103	FM0102E-CS	
350760104	CV0181A-CS	

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350760105		CV0181B-CS											
350760106		CV0181C-CS											
350762001		FM0279A-CS-SP											
350762010		FM0088B-CS-SP											
350762011		FM0088C-CS-SP											
350762012		FM0035A-CS-SP											
350762013		FM0035B-CSD-SP											
350762014		FM0035B-CS-SP											

Extraction Method	3510

Extraction Log 8270 SIM Water Ext

Batch ID 11613

Start: 11/20/2012 10:00:00 A
End: 11/20/2012 8:16:49 PM

Water Bath Temp: 70 °C

Thermometer ID: stbA **Balance ID:** na

Final

Batch ID: 11613

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350759102	1	GW Effluent	11/14/2012 6:20:00 PM	SAMPLE	none	clear	none	990 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350760111	1	RB-11-13-12	11/13/2012 3:30:00 PM	SAMPLE	none	clear	none	980 mL	1 mL	10	1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761401	1	TMW-1	11/15/2012 10:34:00 AM	SAMPLE	none	clear	none	495 mL	0.5 mL	7	0.5mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761701	1	MW-10	11/15/2012 12:58:00 PM	SAMPLE	none	yellow	none	995 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761702	1	MW-9	11/15/2012 10:56:00 AM	SAMPLE	fuel	yellow	none	120 mL	0.5 mL	7	0.5mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761703	1	MW-5	11/15/2012 11:54:00 AM	SAMPLE	fuel	yellow	none	995 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761704	1	MW-3	11/15/2012 9:54:00 AM	SAMPLE	none	yellow	none	995 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761901	1	MW-1	11/16/2012 10:08:00 AM	SAMPLE	none	clear	none	990 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761902	1	MW-2	11/16/2012 11:45:00 AM	SAMPLE	none	yellow	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a

3350760l

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Batch ID: 11613

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350761903	1	MW-3R	11/16/2012 10:44:00 AM	SAMPLE	none	yellow	none	995 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350761904	1	MW-4R	11/16/2012 11:20:00 AM	SAMPLE	none	yellow	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762608	1	TMW-1	11/15/2012 10:15:00 AM	SAMPLE	none	clear	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762609	1	TMW-2	11/15/2012 11:45:00 AM	SAMPLE	none	clear	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762610	1	TMW-3	11/15/2012 1:30:00 PM	SAMPLE	none	clear	none	985 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762706	1	TMW-4	11/15/2012 3:30:00 PM	SAMPLE	none	clear	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762707	1	TMW-5	11/15/2012 5:30:00 PM	SAMPLE	none	clear	none	985 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762708	1	TMW-6	11/16/2012 9:40:00 AM	SAMPLE	sulfur	clear	none	995 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762709	1	TMW-7	11/16/2012 11:15:00 AM	SAMPLE	none	clear	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
350762710	1	TMW-8	11/16/2012 12:40:00 PM	SAMPLE	none	clear	none	980 mL	1 mL	7	1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
154239MB		154239MB		MB	none	clear	none	1000 mL	1 mL	7	1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a

33507601

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
154240LCS		154240LCS		LCS	none	clear	none	1000 mL	1 mL	7	1mL 8270 SIM_Spike: 48086 @ PAH 0.5 ug/ml; 1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a
154241LCSD		154241LCSD		LCSD	none	clear	none	1000 mL	1 mL	7	1mL 8270 SIM_Spike: 48086 @ PAH 0.5 ug/ml; 1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 1mL 8270 SIM_Surrogate: 48545 @ 0.5 ug/ml;		n/a

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent	48452
Final Solvent	48452
Filter Paper	48377
NaSO4	48592

Analyst Posted rbennett 11/20/2012 8:16:49 PM Date

Name: Agnes Tapolyai Title: Prep Tech 11/20/2012 8:33:53 PM

Peer Reviewed atapolyai Date

Signature: Name: Mark Jacobs Title: Chemist 11/26/2012 8:4

Analyst Reviewed mjacobs Date

3507601

Comments:

Sample Comments

Lab ID	Client ID	Comments
154239MB	154239MB	
154240LCS	154240LCS	
154241LCSD	154241LCSD	
350759102	GW Effluent	
350760111	RB-11-13-12	
350761401	TMW-1	
350761701	MW-10	
350761702	MW-9	micro extraction

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350761703		MW-5											
350761704		MW-3											
350761901		MW-1											
350761902		MW-2											
350761903		MW-3R											
350761904		MW-4R		heavy emulsion, beaker cleaned									
350762608		TMW-1											
350762609		TMW-2											
350762610		TMW-3											
350762706		TMW-4											
350762707		TMW-5											
350762708		TMW-6											
350762709		TMW-7											
350762710		TMW-8											

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30687	8151_PCP_STK	Restek	A061936	8/1/2016	1 ML	9/9/2009	jwood

1000 UG/ML: Pentachlorophenol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40389	8151_PCP_STK	Ultra PH-180	CG-0917	4/30/2014	1 ML	3/23/2011	jacker

1000 UG/ML: Pentachlorophenol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43150	SIMSCAN_surr_stk	CIL-DLM-257-S	SCIF-014	12/18/2018	1 ML	9/22/2011	cabadia

200 UG/ML: Benzo(e)pyrene-D12

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44986	SIMSCAN_surr_stk	CIL - Cambridge Iso	SCIF-014	12/18/2018	1 ML	2/13/2012	nsubar

200 UG/ML: Benzo(e)pyrene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45123	8310_RTK2MN_STK	Restek - 31285	A064100	12/31/2015	1 ML	2/24/2012	cabadia

1000 UG/ML: 2-Methylnaphthalene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45131	8310_CALMX5_STK	RESTEK - 31011	079674	3/30/2018	1 ML	2/24/2012	cabadia

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

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45160	8310_AS1MN_STK	AccuStandard S-51	B6040092-1B	2/22/2014	1 ML	2/27/2012	cabadia
2000 UG/ML: 1-Methylnaphthalene							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45687	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
45900	8270_DFTPP_STK_1	NSI C-491	C-491-09	7/30/2014	1.5 ML	4/20/2012	cabadia
500 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol							

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46552	SVOA_2M_STK	CIL DLM-1332-S	SDAB-004	6/18/2020	1.2 ML	6/11/2012	cabadia
200 UG/ML: 2-Methylnaphthalene-d10							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46555	SVOA-Fd10_STK	CIL DLM-2140-S	SCJG-001	11/20/2019	1.2 ML	6/11/2012	cabadia
200 UG/ML: Fluoranthene-d10							

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46793	Methanol	J.T. Baker	K38E04	7/31/2013	16 L	7/6/2012	mbarnard

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46889	Methanol	J.T. Baker	K38E04	7/11/2014	16 L	7/11/2012	rbennett

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46967	DCM	Honeywell	DG265	7/18/2013	200 L	7/18/2012	treuter

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47137	DFTPP_std			1/31/2013	5 ML	7/31/2012	mjacobs

50 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

COMPOSED OF:

45900: 500 UL 46967: 4500 UL

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47241	8310_ARHYDRO_STK	Restek 31458	A081951	6/30/2018	1 ML	8/7/2012	cabadia

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
47246	8310_RTK1MN_STK	Restek 31283	A084039	10/31/2018	1 ML	8/7/2012	cabadia

1000 UG/ML: 1-Methylnaphthalene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47247	8310_RTK1MN_STK	Restek 31283	A084039	10/31/2018	1 ML	8/7/2012	cabadia

1000 UG/ML: 1-Methylnaphthalene

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47414	DCM	Honeywell	DG800	8/23/2013	200 L	8/23/2012	atapolyai

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47503	SS8270_ISTD			3/4/2013	2 ML	9/4/2012	nsubar

40 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10

COMPOSED OF:

46552: 400 UL 46555: 400 UL 47414: UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47708	DCM	Honeywell	DG937	9/24/2013	200 L	9/24/2012	treuter

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47781	SS8270_TOP			4/2/2013	5 ML	10/2/2012	nsubar

10 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

COMPOSED OF:

43150: 250 UL 47241: 50 UL 47247: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47782	SS8270_CAL7			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
10 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
20 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 20 UL 47503: 20 UL 47708: 0 UL 47781: 1000 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47783	SS8270_CAL6			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
10 UG/ML: Pentachlorophenol
5 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

COMPOSED OF:

30687: 10 UL 47503: 20 UL 47708: 490 UL 47781: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47784	SS8270_CAL5			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
1 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
7 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 7 UL 47503: 20 UL 47708: 900 UL 47781: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47785	SS8270_CAL4			3/4/2013	1 ML	10/2/2012	nsubar

0.5 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
5 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 5 UL 47503: 20 UL 47708: 945 UL 47781: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47786	SS8270_CAL3			3/4/2013	1 ML	10/2/2012	nsubar

0.1 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
2 UG/ML: Pentachlorophenol

STANDARDS LOG

COMPOSED OF:

30687: 2 UL 47503: 20 UL 47708: 985 UL 47781: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47787	SS8270_CAL2			3/4/2013	1 ML	10/2/2012	nsubar

0.05 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
1 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 1 UL 47503: 20 UL 47708: 994 UL 47781: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47788	SS8270_CAL1			3/4/2013	1 ML	10/2/2012	nsubar

0.02 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.7 UG/ML: Pentachlorophenol
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10

3507601

COMPOSED OF:

30687: 0.7 UL 47503: 20 UL 47708: 998 UL 47781: 2 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47789	SS8270_SEC			3/4/2013	1 ML	10/2/2012	nsubar

0.5 UG/ML: 1-Methylnaphthalene, 2-Fluorobiphenyl, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Phenanthrene, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
5 UG/ML: Pentachlorophenol

COMPOSED OF:

40389: 5 UL 43150: 2.5 UL 47503: 20 UL 47708: 950 UL 47791: 50 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47791	8270 SIM_INT SEC			4/2/2013	5 ML	10/2/2012	nsubar

10 UG/ML: 1-Methylnaphthalene, 2-Fluorobiphenyl, 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, Nitrobenzene-d5, Phenanthrene, p-Terphenyl-d14, Pyrene

COMPOSED OF:

45123: 50 UL 45131: 25 UL 45160: 25 UL 45687: 10 UL 47708: 4.89 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
48086	8270 SIM_Spike			4/16/2013	100 ML	10/16/2012	mjacobs

0.5 UG/ML: 1-Methylnaphthalene, 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

COMPOSED OF:

46793: 100 ML 47241: 50 UL 47246: 50 UL

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
48560	SIMSCAN_surr_wk			5/16/2013	100 ML	11/16/2012	mjacobs

0.5 UG/ML: Benzo(e)pyrene

COMPOSED OF:

44986: 250 UL 46889: 99.75 ML

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D
Report Date: 29-Nov-2012 10:07

PEL Laboratories, Inc.

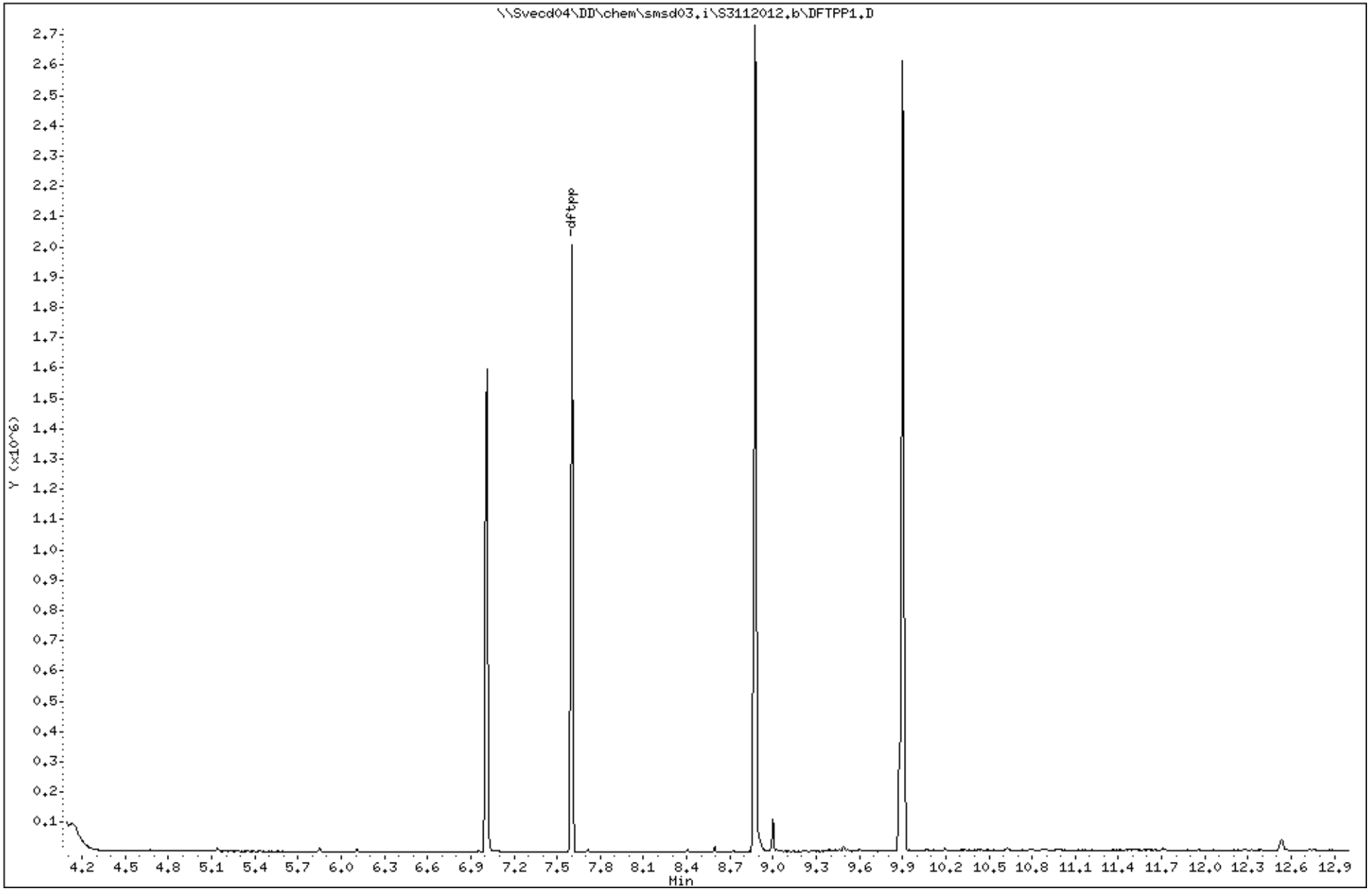
Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D
Lab Smp Id: DFTPP1 Client Smp ID: DFTPP1
Inj Date : 20-NOV-2012 16:50
Operator : MJ Inst ID: smsd03.i
Smp Info : 47701
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\DoDTUN.m
Meth Date : 14-Sep-2012 08:05 mjacobs Quant Type: 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

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		
7.603	7.713	(0.000)	198	200256			0.00- 100.00	100.00
7.603	7.713	(0.000)	51	51376			10.00- 80.00	25.66
7.603	7.713	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
7.603	7.713	(0.000)	69	63888			0.00- 0.00	31.90
7.603	7.713	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
7.603	7.713	(0.000)	127	87808			10.00- 80.00	43.85
7.603	7.713	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.603	7.713	(0.000)	199	13901			5.00- 9.00	6.94
7.603	7.713	(0.000)	275	50904			10.00- 60.00	25.42
7.603	7.713	(0.000)	365	5326			1.00- 0.00	2.66
7.603	7.713	(0.000)	441	27192			0.01- 24.00	14.06
7.603	7.713	(0.000)	442	193344			50.00- 0.00	96.55
7.603	7.713	(0.000)	443	38336			15.00- 24.00	19.83

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D
Date : 20-NOV-2012 16:50
Client ID: DFTPP1 Instrument: smsd03.i
Sample Info: 47701
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



206

3507601

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D

Date : 20-NOV-2012 16:50

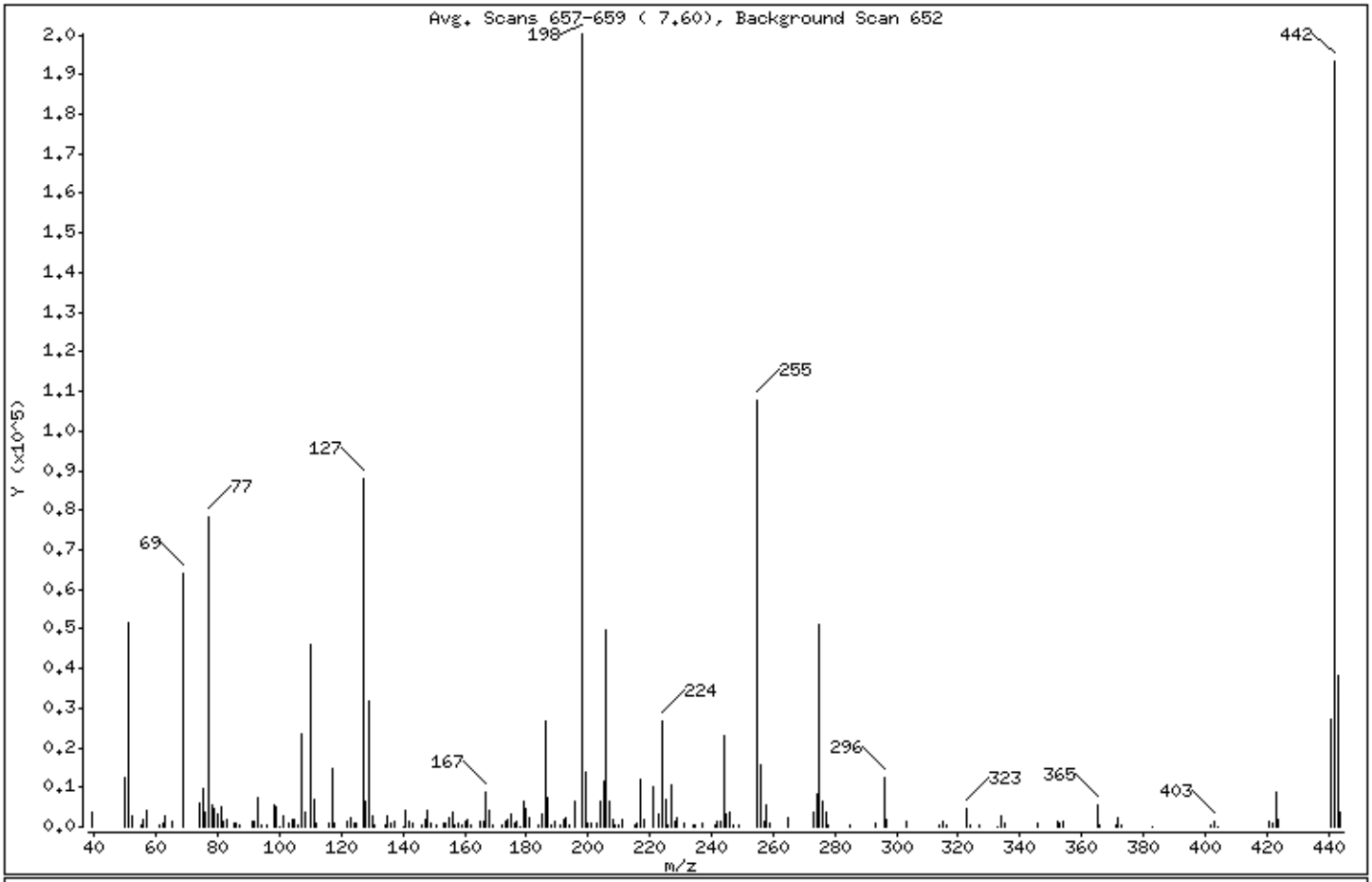
Client ID: DFTPP1 Instrument: smsd03.i

Sample Info: 47701

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	25.66
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	31.90
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	43.85
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 60.00% of mass 198	25.42
365	Greater than 1.00% of mass 198	2.66
441	0.01 - 24.00% of mass 442	13.58 (14.06)
442	Greater than 50.00% of mass 198	96.55
443	15.00 - 24.00% of mass 442	19.14 (19.83)

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D

Date : 20-NOV-2012 16:50

Client ID: DFTPP1 Instrument: smsd03.i

Sample Info: 47701

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D

Spectrum: Avg. Scans 657-659 (7.60), Background Scan 652

Location of Maximum: 198.00

Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	3593	124.00	903	187.00	7299	258.00	5519
50.00	12209	125.00	802	188.00	632	259.00	753
51.00	51376	127.00	87808	189.00	1539	265.00	2217
52.00	2641	128.00	6543	191.00	586	273.00	3582
55.00	461	129.00	31928	192.00	2004	274.00	8393
56.00	1670	130.00	2832	193.00	2230	275.00	50904
57.00	4045	131.00	239	194.00	247	276.00	6440
61.00	642	134.00	616	196.00	6447	277.00	3794
62.00	730	135.00	2670	198.00	200256	278.00	566
63.00	2567	136.00	892	199.00	13901	285.00	247
65.00	1218	137.00	1371	200.00	878	293.00	913
69.00	63888	140.00	225	201.00	1008	296.00	12353
74.00	6041	141.00	4043	203.00	1099	297.00	1684
75.00	9794	142.00	1419	204.00	6492	303.00	1584
76.00	3767	143.00	741	205.00	11601	314.00	563
77.00	78344	146.00	545	206.00	49664	315.00	1466
78.00	5462	147.00	2033	207.00	6454	316.00	651
79.00	4542	148.00	4183	208.00	1709	323.00	4576
80.00	3431	149.00	801	209.00	452	324.00	636
81.00	5139	151.00	242	210.00	404	327.00	592
82.00	1526	153.00	1015	211.00	1865	333.00	219
83.00	1616	154.00	916	215.00	254	334.00	2638
85.00	864	155.00	2177	216.00	1028	335.00	857
86.00	1111	156.00	3657	217.00	11926	346.00	993
87.00	569	157.00	688	218.00	1690	352.00	1295
91.00	1312	158.00	695	221.00	10005	353.00	981
92.00	1301	159.00	648	223.00	3183	354.00	1381
93.00	7284	160.00	1349	224.00	26496	365.00	5326
94.00	551	161.00	2058	225.00	6980	366.00	658
96.00	245	162.00	535	226.00	656	371.00	248
98.00	5517	165.00	1510	227.00	10720	372.00	2520
99.00	4896	166.00	1456	228.00	1313	373.00	245
100.00	229	167.00	8757	229.00	2418	383.00	227
101.00	2809	168.00	4018	231.00	737	402.00	650
103.00	868	169.00	616	234.00	463	403.00	1345

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\DFTPP1.D

Date : 20-NOV-2012 16:50

Client ID: DFTPP1 Instrument: smsd03.i

Sample Info: 47701

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP1.D

Spectrum: Avg. Scans 657-659 (7.60), Background Scan 652

Location of Maximum: 198.00

Number of points: 188

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	1892	172.00	586	235.00	626	404.00	219
105.00	1829	173.00	1217	237.00	862	421.00	1366
106.00	487	174.00	1797	241.00	490	422.00	1085
107.00	23576	175.00	3452	242.00	1386	423.00	8618
108.00	3680	176.00	1119	243.00	1459	424.00	1738
110.00	45824	177.00	1537	244.00	23024	441.00	27192
111.00	6838	178.00	219	245.00	3173	442.00	193344
112.00	722	179.00	6281	246.00	3687	443.00	38336
116.00	1051	180.00	4548	247.00	545	444.00	3680
117.00	14745	181.00	2228	249.00	667		
118.00	1089	184.00	300	255.00	107872		
122.00	1369	185.00	2999	256.00	15810		
123.00	2239	186.00	26592	257.00	1309		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/20/2012 17:10

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3112012.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 14:40

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3112012.b/DFTPP1.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/29/2012 10:07

Datafile Analyzed: //Svecd04/DD/chem/smsd03.i/S3112012.b/DFTPP1.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL4.D
Lab Smp Id: 47785 Client Smp ID: SSCCV1
Inj Date : 20-NOV-2012 17:27 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47785
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 17:27 Cal File: SSCAL4.D
Als bottle: 99 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.682	5.683 (0.900)		128	21824	0.50000	0.50	80.00- 120.00	100.00
5.688	5.683 (0.901)		129	2389			0.00- 40.88	10.95
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.316	6.317 (1.000)		152	20894	0.80000		80.00- 120.00	100.00
6.310	6.311 (1.000)		122	6749			2.00- 62.00	32.30
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.349	6.345 (1.005)		142	13928	0.50000	0.49	80.00- 120.00	100.00
6.349	6.345 (1.005)		141	11912			54.36- 114.36	85.53
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.444	6.445 (1.020)		142	12914	0.50000	0.49	80.00- 120.00	100.00
6.444	6.445 (1.020)		141	11259			56.64- 116.64	87.18
	5 Acenaphthylene					CAS #: 208-96-8		
7.224	7.224 (1.144)		152	21290	0.50000	0.55	80.00- 120.00	100.00
7.224	7.220 (1.144)		151	4034			0.00- 48.91	18.95
	6 Acenaphthene					CAS #: 83-32-9		
7.396	7.392 (1.171)		153	13318	0.50000	0.53	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
	6 Acenaphthene (continued)							
7.391	7.392 (1.170)		152	6307			17.33- 77.33	47.36
	7 Fluorene					CAS #: 86-73-7		
7.900	7.896 (1.251)		166	15234	0.50000	0.54	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	14063			63.04- 123.04	92.31
	8 Pentachlorophenol					CAS #: 87-86-5		
8.639	8.634 (0.865)		266	14079	5.00000	14.4	80.00- 120.00	100.00(AQ)
8.634	8.634 (0.864)		264	8973			33.02- 93.02	63.73
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	22365	0.50000	0.53	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	3420			0.00- 45.27	15.29
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.889)		178	23328	0.50000	0.56	80.00- 120.00	100.00
8.887	8.888 (0.889)		179	3560			0.00- 45.00	15.26
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.993	9.991 (1.000)		212	35031	0.80000		80.00- 120.00	100.00
9.987	9.985 (1.000)		106	5595			0.00- 45.92	15.97
	12 Fluoranthene					CAS #: 206-44-0		
10.009	10.007 (1.002)		202	25785	0.50000	0.50	80.00- 120.00	100.00
10.009	10.007 (1.002)		101	3469			0.00- 43.17	13.45
	13 Pyrene					CAS #: 129-00-0		
10.235	10.233 (1.024)		202	25952	0.50000	0.48	80.00- 120.00	100.00
10.229	10.227 (1.024)		101	3793			0.00- 44.81	14.62
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	6303	0.50000	0.56	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	820			0.00- 42.98	13.01
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.144)		226	6879	0.50000	0.48	80.00- 120.00	100.00
11.436	11.436 (1.144)		200	869			0.00- 42.59	12.63
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.391	12.390 (1.240)		252	24774	0.50000	0.62	80.00- 120.00	100.00
12.391	12.385 (1.240)		250	5380			0.00- 53.98	21.72
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.413	12.412 (1.242)		252	26258	0.50000	0.48	80.00- 120.00	100.00
12.413	12.412 (1.242)		250	6148			0.00- 52.08	23.41
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.620	12.615 (1.263)		264	25905	0.50000	0.58	80.00- 120.00	100.00
12.616	12.615 (1.262)		132	4485			0.00- 47.49	17.31
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.691	12.690 (1.270)		252	22882	0.50000	0.64	80.00- 120.00	100.00

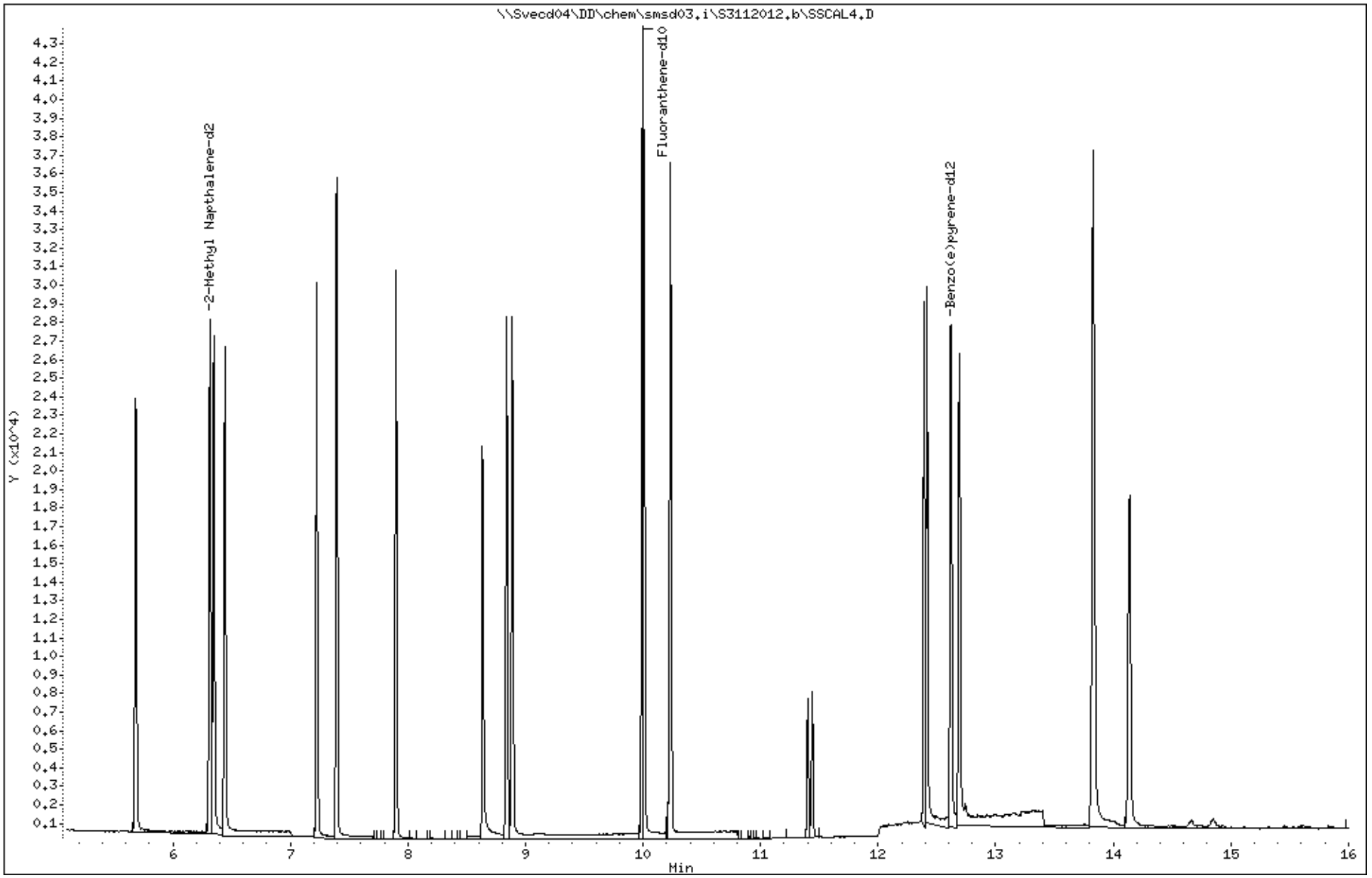
					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.691	12.685 (1.270)		250	5380			0.00- 54.02	23.51
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.827	13.821 (1.384)		276	30015	0.50000	0.79	80.00- 120.00	100.00
13.827	13.821 (1.384)		138	8881			0.44- 60.44	29.59
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.836	13.830 (1.385)		278	24403	0.50000	0.71	80.00- 120.00	100.00
13.827	13.821 (1.384)		138	8881			6.81- 66.81	36.39
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.138	14.132 (1.415)		276	23331	0.50000	0.66	80.00- 120.00	100.00
14.133	14.132 (1.414)		138	6219			0.00- 55.67	26.66

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\S3112012.b\SSCAL4.D
Date : 20-NOV-2012 17:27
Client ID: SSCCV1
Sample Info: 47785

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL7.D
Lab Smp Id: 47782 Client Smp ID: SSCAL7
Inj Date : 20-NOV-2012 17:52 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47782
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 17:52 Cal File: SSCAL7.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.685	5.683 (0.900)	128	373333	10.0000		8.0	80.00- 120.00	100.00
	5.685	5.683 (0.900)	129	45643				0.00- 40.88	12.23
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.319	6.317 (1.000)	152	22304	0.80000			80.00- 120.00	100.00
	6.313	6.311 (1.000)	122	7052				2.00- 62.00	31.62
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.347	6.345 (1.004)	142	266457	10.0000		8.8	80.00- 120.00	100.00
	6.347	6.345 (1.004)	141	224914				54.36- 114.36	84.41
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.447	6.445 (1.020)	142	254931	10.0000		9.1	80.00- 120.00	100.00
	6.441	6.445 (1.019)	141	222317				56.64- 116.64	87.21
	5 Acenaphthylene						CAS #: 208-96-8		
	7.224	7.224 (1.143)	152	386571	10.0000		9.2	80.00- 120.00	100.00
	7.224	7.220 (1.143)	151	78144				0.00- 48.91	20.21
	6 Acenaphthene						CAS #: 83-32-9		
	7.392	7.392 (1.170)	153	247988	10.0000		9.1	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
	6 Acenaphthene (continued)							
7.392	7.392 (1.170)		152	119833			17.33- 77.33	48.32
	7 Fluorene					CAS #: 86-73-7		
7.900	7.896 (1.250)		166	292090	10.0000	9.6	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	270502			63.04- 123.04	92.61
	8 Pentachlorophenol					CAS #: 87-86-5		
8.638	8.634 (0.865)		266	70644	20.0000	44.5	80.00- 120.00	100.00(A)
8.633	8.634 (0.864)		264	45354			33.02- 93.02	64.20
	9 Phenanthrene					CAS #: 85-01-8		
8.838	8.839 (0.885)		178	399310	10.0000	8.5	80.00- 120.00	100.00
8.838	8.839 (0.885)		179	65384			0.00- 45.27	16.37
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.889)		178	399628	10.0000	8.6	80.00- 120.00	100.00
8.892	8.888 (0.890)		179	66597			0.00- 45.00	16.66
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	38682	0.80000		80.00- 120.00	100.00
9.992	9.985 (1.000)		106	6124			0.00- 45.92	15.83
	12 Fluoranthene					CAS #: 206-44-0		
10.014	10.007 (1.002)		202	496083	10.0000	8.8	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	70678			0.00- 43.17	14.25
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	519499	10.0000	8.6	80.00- 120.00	100.00
10.233	10.227 (1.024)		101	89813			0.00- 44.81	17.29
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.405	11.401 (1.141)		226	134247	10.0000	10.6	80.00- 120.00	100.00(A)
11.401	11.397 (1.141)		200	18331			0.00- 42.98	13.65
	15 Chrysene					CAS #: 218-01-9		
11.440	11.436 (1.145)		226	147090	10.0000	9.2	80.00- 120.00	100.00
11.436	11.436 (1.145)		200	19078			0.00- 42.59	12.97
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.394	12.390 (1.240)		252	415176	10.0000	9.6	80.00- 120.00	100.00
12.390	12.385 (1.240)		250	105365			0.00- 53.98	25.38
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.416	12.412 (1.243)		252	461588	10.0000	7.5	80.00- 120.00	100.00
12.416	12.412 (1.243)		250	109038			0.00- 52.08	23.62
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	427706	10.0000	8.5	80.00- 120.00	100.00
12.619	12.615 (1.263)		132	77917			0.00- 47.49	18.22
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.694	12.690 (1.270)		252	401552	10.0000	9.7	80.00- 120.00	100.00

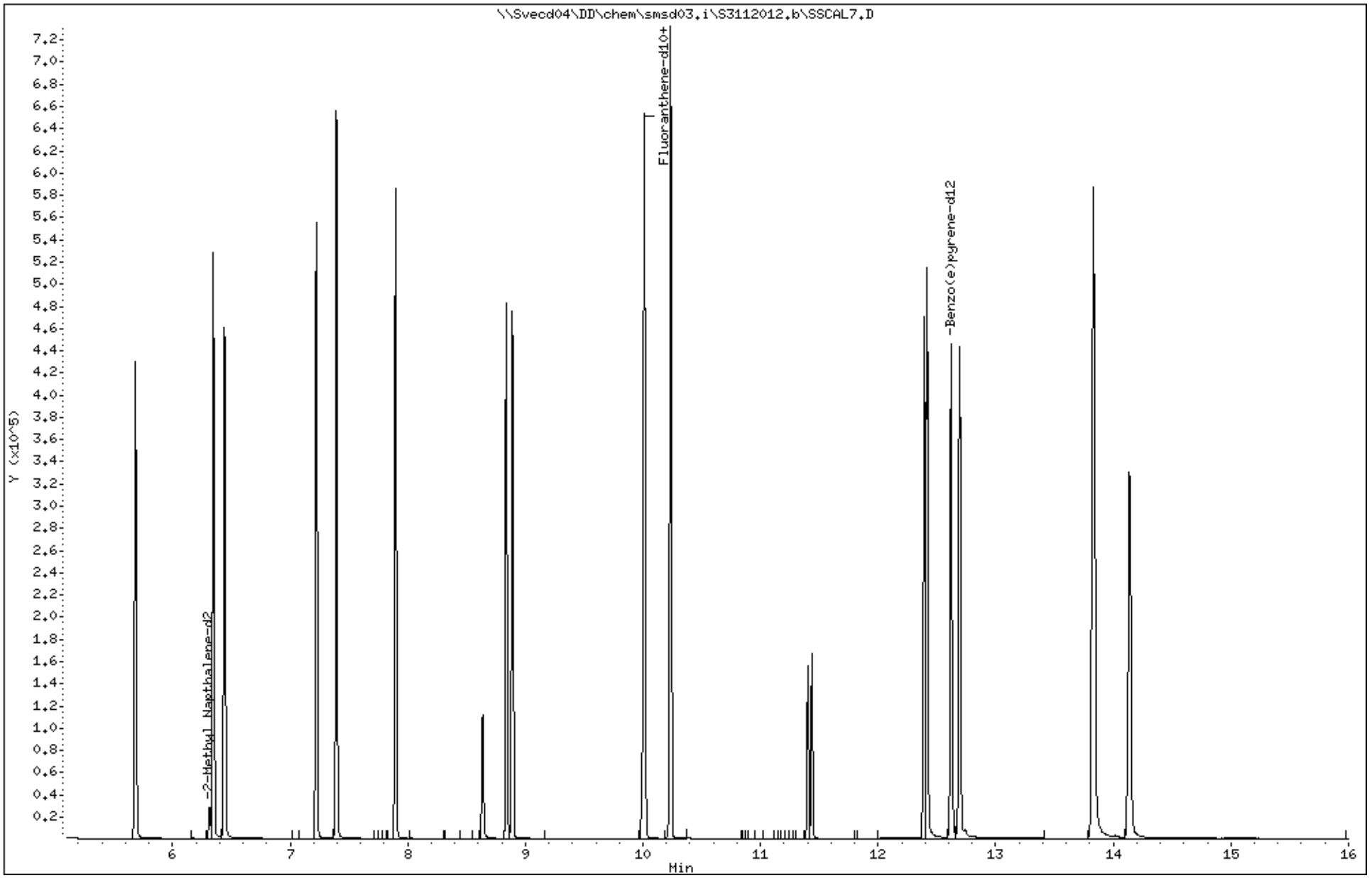
					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.690	12.685	(1.270)	250	100844			0.00- 54.02	25.11
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.825	13.821	(1.384)	276	488557	10.0000	10.6	80.00- 120.00	100.00(A)
13.825	13.821	(1.384)	138	148750			0.44- 60.44	30.45
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.834	13.830	(1.385)	278	407642	10.0000	9.8	80.00- 120.00	100.00
13.825	13.821	(1.384)	138	148750			6.81- 66.81	36.49
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.141	14.132	(1.415)	276	423092	10.0000	10.4	80.00- 120.00	100.00(A)
14.137	14.132	(1.415)	138	110486			0.00- 55.67	26.11

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL7.D
Date : 20-NOV-2012 17:52
Client ID: SSCAL7
Sample Info: 47782

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL6.D
Lab Smp Id: 47783 Client Smp ID: SSCAL6
Inj Date : 20-NOV-2012 18:15 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47783
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 18:15 Cal File: SSCAL6.D
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
1 Naphthalene						CAS #: 91-20-3		
5.683	5.683 (0.900)		128	205755	5.00000	4.5	80.00- 120.00	100.00
5.683	5.683 (0.900)		129	24384			0.00- 40.88	11.85
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.317	6.317 (1.000)		152	22078	0.80000		80.00- 120.00	100.00
6.311	6.311 (1.000)		122	7017			2.00- 62.00	31.78
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.350	6.345 (1.005)		142	143074	5.00000	4.8	80.00- 120.00	100.00
6.344	6.345 (1.004)		141	119809			54.36- 114.36	83.74
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.444	6.445 (1.020)		142	134571	5.00000	4.8	80.00- 120.00	100.00
6.444	6.445 (1.020)		141	117368			56.64- 116.64	87.22
5 Acenaphthylene						CAS #: 208-96-8		
7.224	7.224 (1.144)		152	207622	5.00000	5.0	80.00- 120.00	100.00
7.224	7.220 (1.144)		151	41092			0.00- 48.91	19.79
6 Acenaphthene						CAS #: 83-32-9		
7.396	7.392 (1.171)		153	134302	5.00000	4.9	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
6 Acenaphthene (continued)								
7.391	7.392 (1.170)		152	64164			17.33- 77.33	47.78
7 Fluorene						CAS #: 86-73-7		
7.897	7.896 (1.250)		166	160543	5.00000	5.3	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	148612			63.04- 123.04	92.57
8 Pentachlorophenol						CAS #: 87-86-5		
8.634	8.634 (0.864)		266	32999	10.0000	20.4	80.00- 120.00	100.00(A)
8.634	8.634 (0.864)		264	20986			33.02- 93.02	63.60
9 Phenanthrene						CAS #: 85-01-8		
8.840	8.839 (0.885)		178	234621	5.00000	5.4	80.00- 120.00	100.00
8.840	8.839 (0.885)		179	38237			0.00- 45.27	16.30
10 Anthracene						CAS #: 120-12-7		
8.888	8.888 (0.890)		178	234126	5.00000	5.4	80.00- 120.00	100.00
8.888	8.888 (0.890)		179	37771			0.00- 45.00	16.13
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	36153	0.80000		80.00- 120.00	100.00
9.987	9.985 (1.000)		106	5678			0.00- 45.92	15.71
12 Fluoranthene						CAS #: 206-44-0		
10.009	10.007 (1.002)		202	234142	5.00000	4.4	80.00- 120.00	100.00
10.009	10.007 (1.002)		101	32188			0.00- 43.17	13.75
13 Pyrene						CAS #: 129-00-0		
10.234	10.233 (1.024)		202	281984	5.00000	5.0	80.00- 120.00	100.00
10.229	10.227 (1.024)		101	47870			0.00- 44.81	16.98
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.405	11.401 (1.141)		226	63663	5.00000	5.1	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	8473			0.00- 42.98	13.31
15 Chrysene						CAS #: 218-01-9		
11.436	11.436 (1.144)		226	71773	5.00000	4.8	80.00- 120.00	100.00
11.436	11.436 (1.144)		200	9352			0.00- 42.59	13.03
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.390	12.390 (1.240)		252	236255	5.00000	5.9	80.00- 120.00	100.00
12.390	12.385 (1.240)		250	52829			0.00- 53.98	22.36
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.416	12.412 (1.243)		252	246065	5.00000	4.4	80.00- 120.00	100.00
12.412	12.412 (1.242)		250	64525			0.00- 52.08	26.22
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	245664	5.00000	5.3	80.00- 120.00	100.00
12.614	12.615 (1.262)		132	45301			0.00- 47.49	18.44
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.689	12.690 (1.270)		252	227108	5.00000	6.0	80.00- 120.00	100.00

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.689	12.685	(1.270)	250	54908			0.00- 54.02	24.18
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.826	13.821	(1.384)	276	264303	5.00000	6.2	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	80557			0.44- 60.44	30.48
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.831	13.830	(1.384)	278	218580	5.00000	5.7	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	80557			6.81- 66.81	36.85
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.137	14.132	(1.415)	276	223115	5.00000	5.9	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	57803			0.00- 55.67	25.91

QC Flag Legend

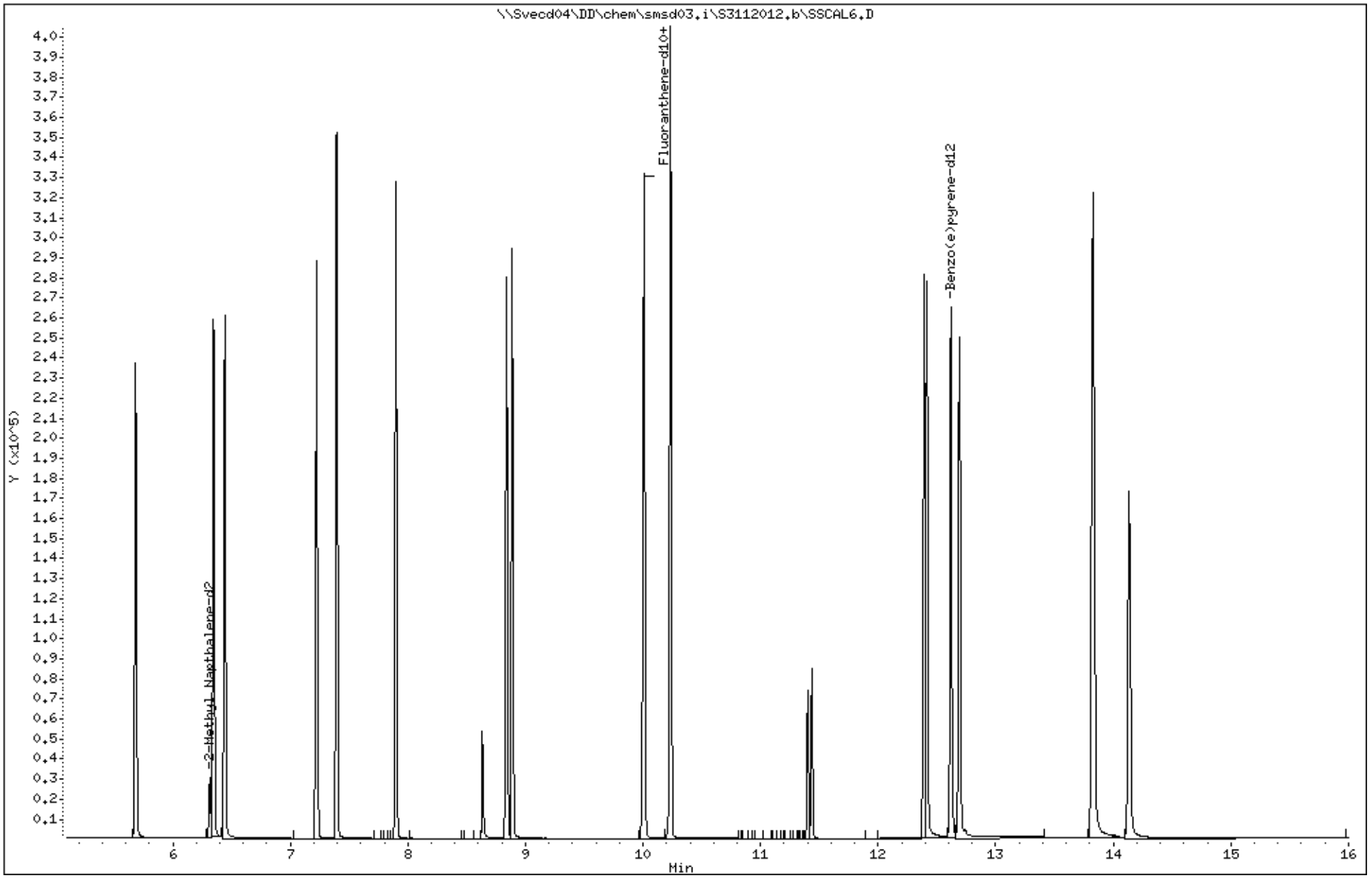
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL6.D
Date : 20-NOV-2012 18:15
Client ID: SSCAL6
Sample Info: 47783

Instrument: smsd03.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

222



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL5.D
Lab Smp Id: 47784 Client Smp ID: SSCAL5
Inj Date : 20-NOV-2012 18:39 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47784
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 18:39 Cal File: SSCAL5.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
1 Naphthalene						CAS #: 91-20-3		
5.685	5.683 (0.900)		128	40267	1.00000	0.89	80.00- 120.00	100.00
5.685	5.683 (0.900)		129	4402			0.00- 40.88	10.93
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.319	6.317 (1.000)		152	21814	0.80000		80.00- 120.00	100.00
6.314	6.311 (1.000)		122	6828			2.00- 62.00	31.30
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.347	6.345 (1.004)		142	29207	1.00000	0.99	80.00- 120.00	100.00
6.347	6.345 (1.004)		141	24430			54.36- 114.36	83.64
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.441	6.445 (1.019)		142	25253	1.00000	0.92	80.00- 120.00	100.00
6.441	6.445 (1.019)		141	21954			56.64- 116.64	86.94
5 Acenaphthylene						CAS #: 208-96-8		
7.224	7.224 (1.143)		152	40899	1.00000	0.99	80.00- 120.00	100.00
7.220	7.220 (1.143)		151	7774			0.00- 48.91	19.01
6 Acenaphthene						CAS #: 83-32-9		
7.392	7.392 (1.170)		153	25324	1.00000	0.94	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
	6 Acenaphthene (continued)							
7.392	7.392 (1.170)		152	12017			17.33- 77.33	47.45
	7 Fluorene					CAS #: 86-73-7		
7.897	7.896 (1.250)		166	29078	1.00000	0.97	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	26886			63.04- 123.04	92.46
	8 Pentachlorophenol					CAS #: 87-86-5		
8.634	8.634 (0.864)		266	16392	7.00000	8.4	80.00- 120.00	100.00(A)
8.634	8.634 (0.864)		264	10390			33.02- 93.02	63.38
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	41282	1.00000	1.0	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	6384			0.00- 45.27	15.46
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.890)		178	41223	1.00000	1.0	80.00- 120.00	100.00
8.887	8.888 (0.890)		179	6327			0.00- 45.00	15.35
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	34091	0.80000		80.00- 120.00	100.00
9.992	9.985 (1.000)		106	5527			0.00- 45.92	16.21
	12 Fluoranthene					CAS #: 206-44-0		
10.008	10.007 (1.002)		202	49480	1.00000	1.0	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	6573			0.00- 43.17	13.28
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	50796	1.00000	0.95	80.00- 120.00	100.00
10.233	10.227 (1.024)		101	7616			0.00- 44.81	14.99
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	12019	1.00000	1.0	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	1579			0.00- 42.98	13.14
	15 Chrysene					CAS #: 218-01-9		
11.437	11.436 (1.145)		226	13088	1.00000	0.94	80.00- 120.00	100.00
11.437	11.436 (1.145)		200	1666			0.00- 42.59	12.73
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	40313	1.00000	0.98	80.00- 120.00	100.00
12.390	12.385 (1.240)		250	9836			0.00- 53.98	24.40
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.412	12.412 (1.242)		252	53318	1.00000	1.0	80.00- 120.00	100.00
12.412	12.412 (1.242)		250	12499			0.00- 52.08	23.44
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.620	12.615 (1.263)		264	44121	1.00000	1.00	80.00- 120.00	100.00
12.615	12.615 (1.263)		132	7816			0.00- 47.49	17.71
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.690	12.690 (1.270)		252	41309	1.00000	1.1	80.00- 120.00	100.00

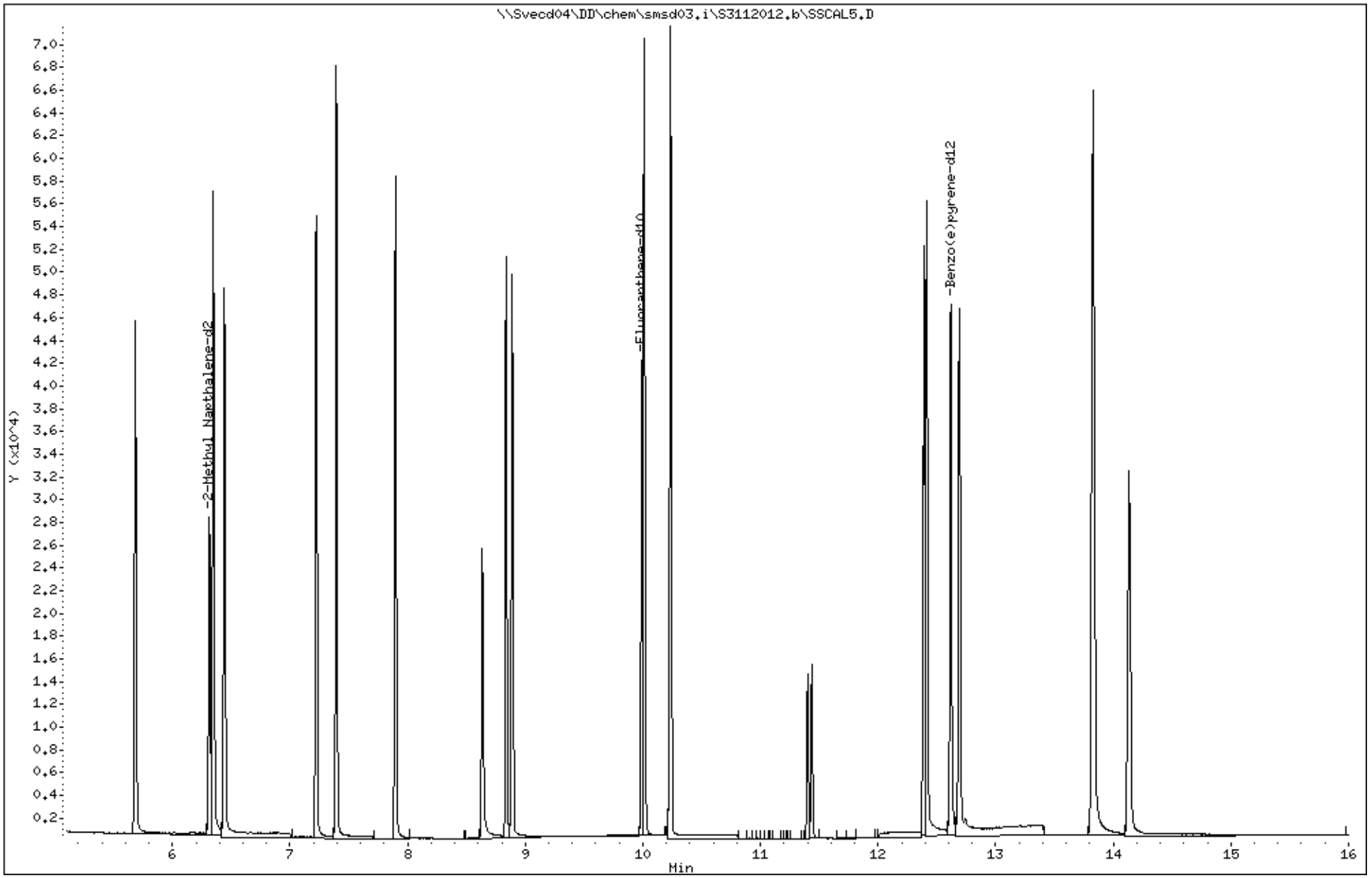
					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.690	12.685	(1.270)	250	9688			0.00- 54.02	23.45
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.826	13.821	(1.384)	276	54078	1.00000	1.3	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	16272			0.44- 60.44	30.09
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.830	13.830	(1.384)	278	44823	1.00000	1.2	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	16718			6.81- 66.81	37.30
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.137	14.132	(1.415)	276	41354	1.00000	1.1	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	10440			0.00- 55.67	25.25

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL5.D
Date : 20-NOV-2012 18:39
Client ID: SSCAL5
Sample Info: 47784

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL3.D
Lab Smp Id: 47786 Client Smp ID: SSCAL3
Inj Date : 20-NOV-2012 19:02 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47786
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:02 Cal File: SSCAL3.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.683	5.683 (0.900)	128	4321	0.10000		0.11	80.00- 120.00	100.00
	5.683	5.683 (0.900)	129	475				0.00- 40.88	10.99
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.317	6.317 (1.000)	152	19574	0.80000			80.00- 120.00	100.00
	6.311	6.311 (1.000)	122	6261				2.00- 62.00	31.99
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.345	6.345 (1.004)	142	2793	0.10000		0.11	80.00- 120.00	100.00
	6.345	6.345 (1.004)	141	2425				54.36- 114.36	86.82
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.445	6.445 (1.020)	142	2825	0.10000		0.12	80.00- 120.00	100.00
	6.445	6.445 (1.020)	141	2557				56.64- 116.64	90.51
	5 Acenaphthylene						CAS #: 208-96-8		
	7.225	7.224 (1.144)	152	4506	0.10000		0.12	80.00- 120.00	100.00
	7.220	7.220 (1.143)	151	825				0.00- 48.91	18.31
	6 Acenaphthene						CAS #: 83-32-9		
	7.392	7.392 (1.170)	153	2708	0.10000		0.11	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
	6 Acenaphthene (continued)							
7.392	7.392 (1.170)		152	1255			17.33- 77.33	46.34
	7 Fluorene					CAS #: 86-73-7		
7.900	7.896 (1.251)		166	3051	0.10000	0.11	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	2805			63.04- 123.04	91.94
	8 Pentachlorophenol					CAS #: 87-86-5		
8.639	8.634 (0.865)		266	3111	2.00000	1.4	80.00- 120.00	100.00(A)
8.634	8.634 (0.864)		264	1928			33.02- 93.02	61.97
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	4991	0.10000	0.12	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	747			0.00- 45.27	14.97
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.890)		178	4831	0.10000	0.12	80.00- 120.00	100.00
8.887	8.888 (0.890)		179	694			0.00- 45.00	14.37
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	34034	0.80000		80.00- 120.00	100.00
9.992	9.985 (1.000)		106	5485			0.00- 45.92	16.12
	12 Fluoranthene					CAS #: 206-44-0		
10.008	10.007 (1.002)		202	5053	0.10000	0.10	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	711			0.00- 43.17	14.07
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	5771	0.10000	0.11	80.00- 120.00	100.00
10.233	10.227 (1.024)		101	881			0.00- 44.81	15.27
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.400	11.401 (1.141)		226	1290	0.10000	0.11	80.00- 120.00	100.00
11.400	11.397 (1.141)		200	166			0.00- 42.98	12.87
	15 Chrysene					CAS #: 218-01-9		
11.439	11.436 (1.145)		226	1444	0.10000	0.10	80.00- 120.00	100.00
11.435	11.436 (1.145)		200	180			0.00- 42.59	12.47
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	4987	0.10000	0.039	80.00- 120.00	100.00
12.390	12.385 (1.240)		250	1215			0.00- 53.98	24.36
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.412	12.412 (1.242)		252	5830	0.10000	0.11	80.00- 120.00	100.00
12.412	12.412 (1.242)		250	1358			0.00- 52.08	23.29
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	4945	0.10000	0.11	80.00- 120.00	100.00
12.614	12.615 (1.263)		132	920			0.00- 47.49	18.60
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.689	12.690 (1.270)		252	4999	0.10000	0.14	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
	19 Benzo[a]pyrene (continued)							
12.689	12.685	(1.270)	250	1187			0.00- 54.02	23.74
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.826	13.821	(1.384)	276	5138	0.10000	0.12	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	1466			0.44- 60.44	28.53
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.830	13.830	(1.384)	278	4315	0.10000	0.014	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	1548			6.81- 66.81	35.87
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
14.133	14.132	(1.414)	276	4422	0.10000	0.12	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	1118			0.00- 55.67	25.28

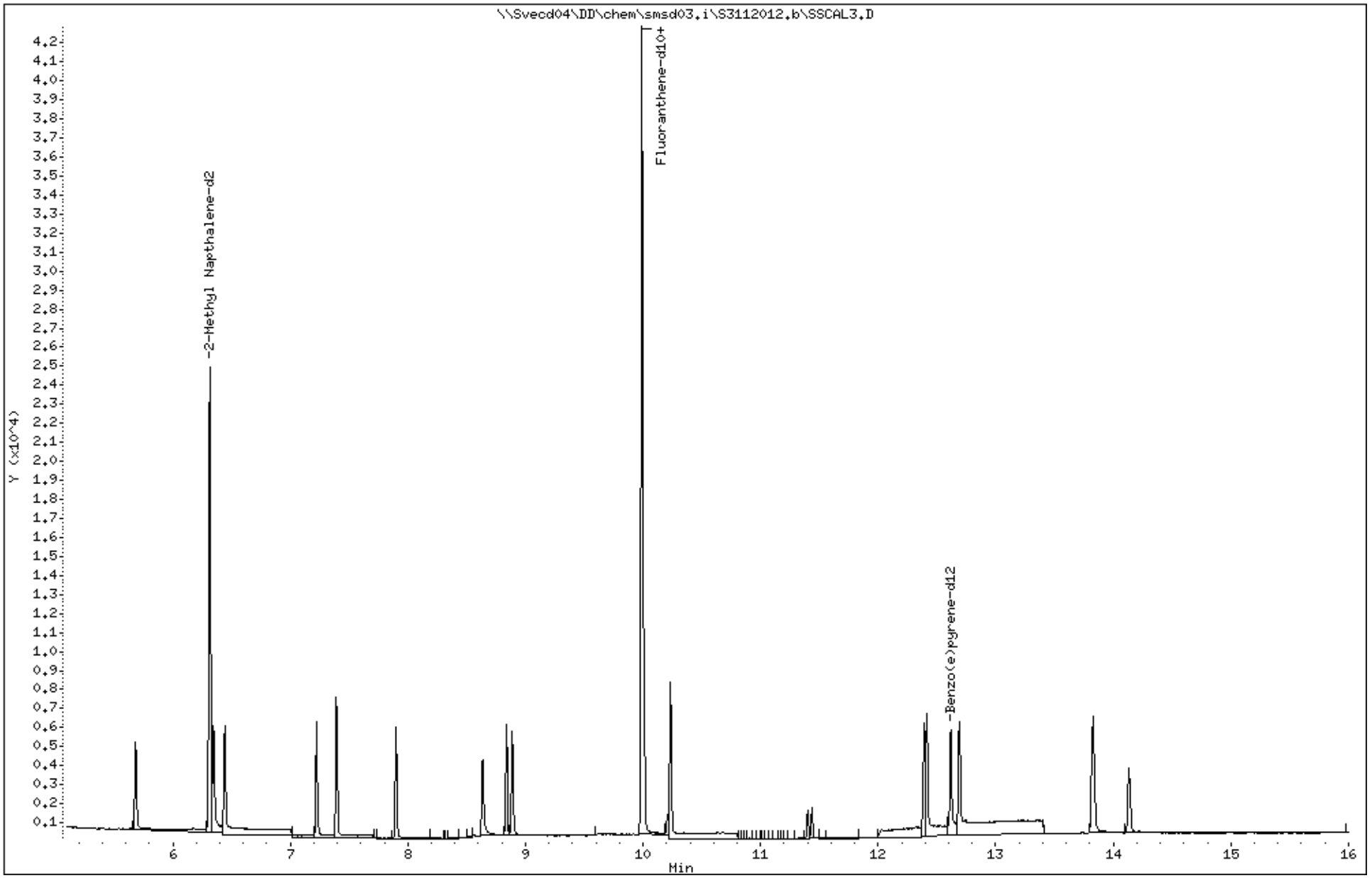
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL3.D
Date : 20-NOV-2012 19:02
Client ID: SSCAL3
Sample Info: 47786

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

230



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL2.D
Lab Smp Id: 47787 Client Smp ID: SSCAL2
Inj Date : 20-NOV-2012 19:26 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47787
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:26 Cal File: SSCAL2.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.684	5.683 (0.900)	128	2455	0.05000		0.053	80.00- 120.00	100.00
	5.684	5.683 (0.900)	129	250				0.00- 40.88	10.18
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.317	6.317 (1.000)	152	22889	0.80000			80.00- 120.00	100.00
	6.312	6.311 (1.000)	122	7256				2.00- 62.00	31.70
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.345	6.345 (1.004)	142	1671	0.05000		0.054	80.00- 120.00	100.00
	6.345	6.345 (1.004)	141	1423				54.36- 114.36	85.16
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.445	6.445 (1.020)	142	1513	0.05000		0.053	80.00- 120.00	100.00
	6.445	6.445 (1.020)	141	1326				56.64- 116.64	87.64
	5 Acenaphthylene						CAS #: 208-96-8		
	7.223	7.224 (1.143)	152	2478	0.05000		0.056	80.00- 120.00	100.00
	7.223	7.220 (1.143)	151	456				0.00- 48.91	18.40
	6 Acenaphthene						CAS #: 83-32-9		
	7.395	7.392 (1.171)	153	1536	0.05000		0.054	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
6 Acenaphthene (continued)								
7.390	7.392 (1.170)		152	753			17.33- 77.33	49.02
7 Fluorene						CAS #: 86-73-7		
7.900	7.896 (1.251)		166	1654	0.05000	0.052	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	1542			63.04- 123.04	93.23
8 Pentachlorophenol						CAS #: 87-86-5		
8.639	8.634 (0.865)		266	1169	1.00000	0.46	80.00- 120.00	100.00(A)
8.639	8.634 (0.865)		264	704			33.02- 93.02	60.22
9 Phenanthrene						CAS #: 85-01-8		
8.839	8.839 (0.885)		178	2411	0.05000	0.058	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	345			0.00- 45.27	14.31
10 Anthracene						CAS #: 120-12-7		
8.887	8.888 (0.889)		178	2290	0.05000	0.055	80.00- 120.00	100.00
8.887	8.888 (0.889)		179	326			0.00- 45.00	14.24
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	33752	0.80000		80.00- 120.00	100.00
9.986	9.985 (1.000)		106	5340			0.00- 45.92	15.82
12 Fluoranthene						CAS #: 206-44-0		
10.008	10.007 (1.002)		202	2672	0.05000	0.055	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	397			0.00- 43.17	14.86
13 Pyrene						CAS #: 129-00-0		
10.233	10.233 (1.024)		202	2798	0.05000	0.053	80.00- 120.00	100.00
10.228	10.227 (1.024)		101	352			0.00- 44.81	12.58
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.400	11.401 (1.141)		226	689	0.05000	0.050	80.00- 120.00	100.00
11.400	11.397 (1.141)		200	100			0.00- 42.98	14.51
15 Chrysene						CAS #: 218-01-9		
11.439	11.436 (1.145)		226	760	0.05000	0.056	80.00- 120.00	100.00
11.435	11.436 (1.144)		200	90			0.00- 42.59	11.84
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.390	12.390 (1.240)		252	2450	0.05000		80.00- 120.00	100.00
12.390	12.385 (1.240)		250	583			0.00- 53.98	23.80
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.412	12.412 (1.242)		252	3500	0.05000	0.068	80.00- 120.00	100.00
12.412	12.412 (1.242)		250	592			0.00- 52.08	16.91
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	2561	0.05000	0.058	80.00- 120.00	100.00
12.615	12.615 (1.262)		132	446			0.00- 47.49	17.42
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.690	12.690 (1.270)		252	2285	0.05000	0.059	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
	19 Benzo[a]pyrene (continued)							
12.685	12.685	(1.270)	250	587			0.00- 54.02	25.69
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.821	13.821	(1.383)	276	2510	0.05000	0.055	80.00- 120.00	100.00
13.826	13.821	(1.384)	138	728			0.44- 60.44	29.00
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.830	13.830	(1.384)	278	2051	0.05000		80.00- 120.00	100.00
13.826	13.821	(1.384)	138	689			6.81- 66.81	33.59
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
14.133	14.132	(1.414)	276	2271	0.05000	0.058	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	529			0.00- 55.67	23.29

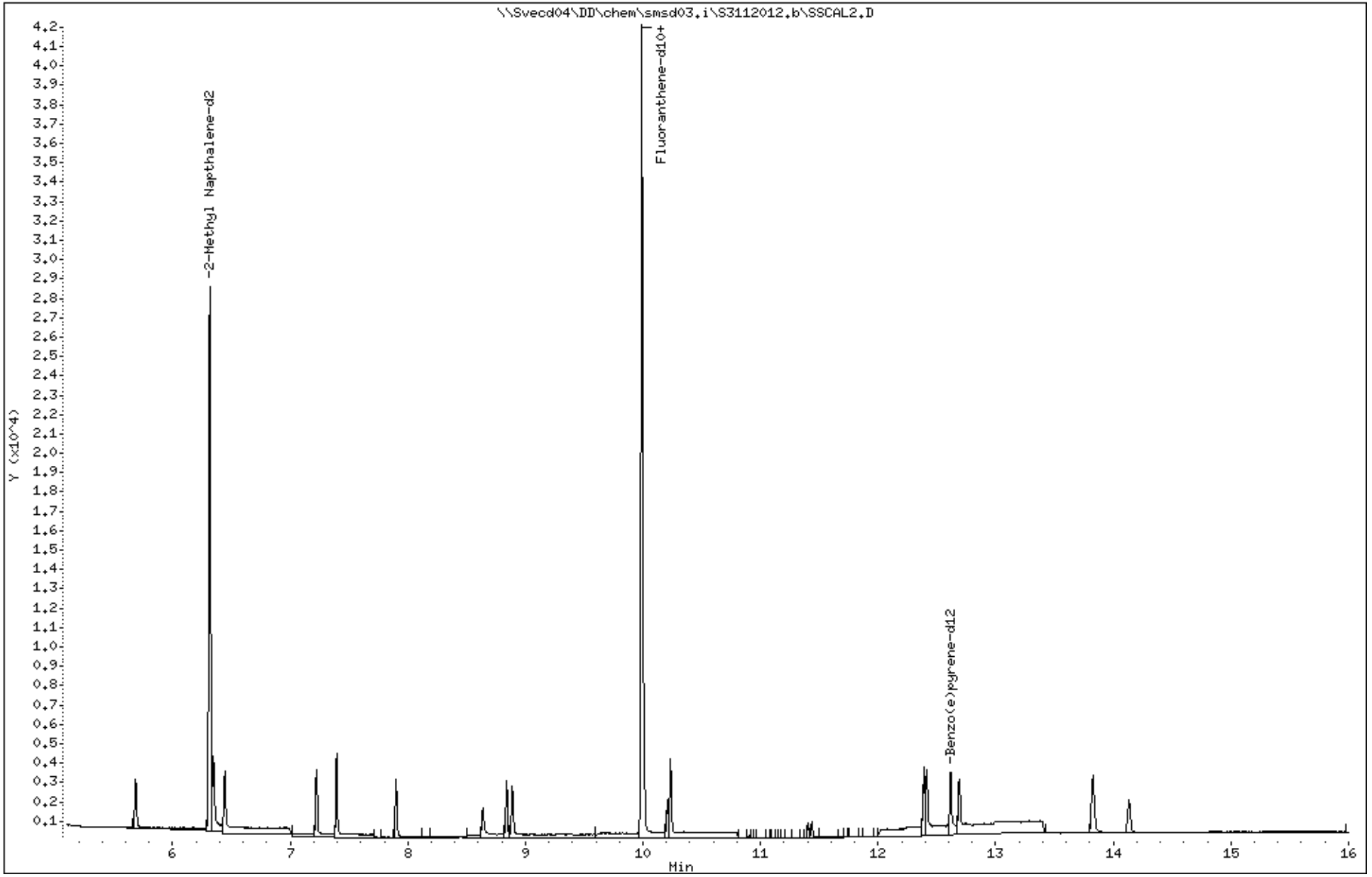
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL2.D
Date : 20-NOV-2012 19:26
Client ID: SSCAL2
Sample Info: 47787

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

234



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL1.D
Lab Smp Id: 47788 Client Smp ID: SSCAL1
Inj Date : 20-NOV-2012 19:50 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47788
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.683	5.683 (0.900)	128	1010	0.02000	0.023	80.00- 120.00		100.00
	5.688	5.683 (0.901)	129	118			0.00- 40.88		11.68
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.316	6.317 (1.000)	152	22131	0.80000		80.00- 120.00		100.00
	6.311	6.311 (1.000)	122	7034			2.00- 62.00		31.78
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.350	6.345 (1.005)	142	684	0.02000	0.023	80.00- 120.00		100.00
	6.344	6.345 (1.004)	141	531			54.36- 114.36		77.63
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.444	6.445 (1.020)	142	670	0.02000	0.024	80.00- 120.00		100.00
	6.444	6.445 (1.020)	141	563			56.64- 116.64		84.03
	5 Acenaphthylene						CAS #: 208-96-8		
	7.224	7.224 (1.144)	152	1035	0.02000	0.024	80.00- 120.00		100.00
	7.224	7.220 (1.144)	151	192			0.00- 48.91		18.55
	6 Acenaphthene						CAS #: 83-32-9		
	7.396	7.392 (1.171)	153	632	0.02000	0.023	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
6 Acenaphthene (continued)								
7.391	7.392 (1.170)		152	308			17.33- 77.33	48.73
7 Fluorene						CAS #: 86-73-7		
7.900	7.896 (1.251)		166	743	0.02000	0.024	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	667			63.04- 123.04	89.77
8 Pentachlorophenol						CAS #: 87-86-5		
8.640	8.634 (0.865)		266	791	0.70000	0.29	80.00- 120.00	100.00(A)
8.640	8.634 (0.865)		264	489			33.02- 93.02	61.82
9 Phenanthrene						CAS #: 85-01-8		
8.840	8.839 (0.885)		178	1149	0.02000	0.025	80.00- 120.00	100.00
8.840	8.839 (0.885)		179	172			0.00- 45.27	14.97
10 Anthracene						CAS #: 120-12-7		
8.888	8.888 (0.890)		178	1036	0.02000	0.023	80.00- 120.00	100.00
8.888	8.888 (0.890)		179	148			0.00- 45.00	14.29
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.991	9.991 (1.000)		212	35660	0.80000		80.00- 120.00	100.00
9.991	9.985 (1.000)		106	5615			0.00- 45.92	15.75
12 Fluoranthene						CAS #: 206-44-0		
10.008	10.007 (1.002)		202	1203	0.02000	0.023	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	205			0.00- 43.17	17.04
13 Pyrene						CAS #: 129-00-0		
10.233	10.233 (1.024)		202	1318	0.02000	0.024	80.00- 120.00	100.00
10.233	10.227 (1.024)		101	162			0.00- 44.81	12.29
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.401	11.401 (1.141)		226	285	0.02000	0.0094	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	36			0.00- 42.98	12.63
15 Chrysene						CAS #: 218-01-9		
11.436	11.436 (1.145)		226	324	0.02000	0.022	80.00- 120.00	100.00
11.436	11.436 (1.145)		200	42			0.00- 42.59	12.96
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.389	12.390 (1.240)		252	1210	0.02000		80.00- 120.00	100.00
12.389	12.385 (1.240)		250	299			0.00- 53.98	24.71
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.411	12.412 (1.242)		252	1287	0.02000	0.023	80.00- 120.00	100.00(M)
12.389	12.412 (1.240)		250	267			0.00- 52.08	20.75
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	1147	0.02000	0.024	80.00- 120.00	100.00
12.614	12.615 (1.263)		132	177			0.00- 47.49	15.43
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.689	12.690 (1.270)		252	1091	0.02000	0.025	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
	19 Benzo[a]pyrene (continued)							
12.689	12.685	(1.270)	250	255			0.00- 54.02	23.37
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.825	13.821	(1.384)	276	1328	0.02000	0.026	80.00- 120.00	100.00
13.825	13.821	(1.384)	138	407			0.44- 60.44	30.65
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.830	13.830	(1.384)	278	1125	0.02000		80.00- 120.00	100.00
13.825	13.821	(1.384)	138	407			6.81- 66.81	36.18
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
14.132	14.132	(1.414)	276	1046	0.02000	0.024	80.00- 120.00	100.00
14.128	14.132	(1.414)	138	283			0.00- 55.67	27.06

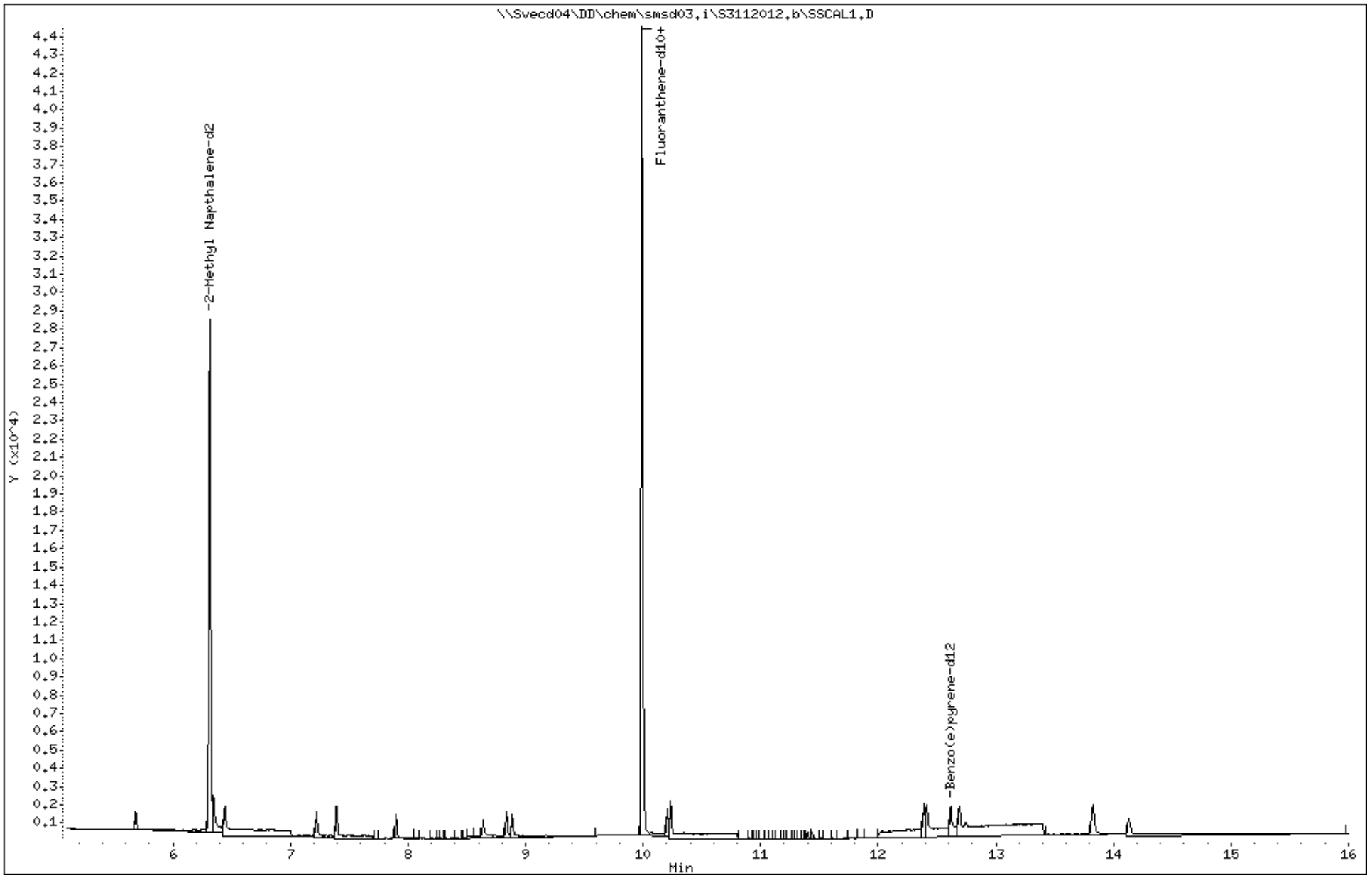
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSCAL1.D
Date : 20-NOV-2012 19:50
Client ID: SSCAL1
Sample Info: 47788

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

238



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSSEC.D
Lab Smp Id: 47789 Client Smp ID: SSSEC
Inj Date : 20-NOV-2012 20:13 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : 47789
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.683	5.683 (0.900)	128	23335	0.50000		0.54	80.00- 120.00	100.00
	5.683	5.683 (0.900)	129	2540				0.00- 40.88	10.88
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.317	6.317 (1.000)	152	21262	0.80000			80.00- 120.00	100.00
	6.311	6.311 (1.000)	122	6803				2.00- 62.00	32.00
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.345	6.345 (1.004)	142	13910	0.50000		0.48	80.00- 120.00	100.00
	6.345	6.345 (1.004)	141	11735				54.36- 114.36	84.36
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.445	6.445 (1.020)	142	14399	0.50000		0.52	80.00- 120.00	100.00
	6.445	6.445 (1.020)	141	12475				56.64- 116.64	86.64
	5 Acenaphthylene						CAS #: 208-96-8		
	7.224	7.224 (1.144)	152	24093	0.50000		0.55	80.00- 120.00	100.00
	7.220	7.220 (1.143)	151	4555				0.00- 48.91	18.91
	6 Acenaphthene						CAS #: 83-32-9		
	7.392	7.392 (1.170)	153	13910	0.50000		0.51	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
	6 Acenaphthene (continued)							
7.392	7.392 (1.170)		152	6584			17.33- 77.33	47.33
	7 Fluorene					CAS #: 86-73-7		
7.896	7.896 (1.250)		166	15551	0.50000	0.50	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	14468			63.04- 123.04	93.04
	8 Pentachlorophenol					CAS #: 87-86-5		
8.634	8.634 (0.864)		266	10150	5.00000	4.5	80.00- 120.00	100.00(A)
8.634	8.634 (0.864)		264	6397			33.02- 93.02	63.02
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	23494	0.50000	0.54	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	3588			0.00- 45.27	15.27
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.890)		178	20735	0.50000	0.49	80.00- 120.00	100.00
8.888	8.888 (0.890)		179	3111			0.00- 45.00	15.00
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.991	9.991 (1.000)		212	32823	0.80000		80.00- 120.00	100.00
9.985	9.985 (1.000)		106	5225			0.00- 45.92	15.92
	12 Fluoranthene					CAS #: 206-44-0		
10.007	10.007 (1.002)		202	25832	0.50000	0.54	80.00- 120.00	100.00
10.007	10.007 (1.002)		101	3403			0.00- 43.17	13.17
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	26943	0.50000	0.52	80.00- 120.00	100.00
10.227	10.227 (1.024)		101	3991			0.00- 44.81	14.81
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	6173	0.50000	0.52	80.00- 120.00	100.00
11.397	11.397 (1.141)		200	801			0.00- 42.98	12.98
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.145)		226	6982	0.50000	0.52	80.00- 120.00	100.00
11.436	11.436 (1.145)		200	879			0.00- 42.59	12.59
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	23555	0.50000	0.53	80.00- 120.00	100.00
12.385	12.385 (1.240)		250	5648			0.00- 53.98	23.98
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.412	12.412 (1.242)		252	27877	0.50000	0.53	80.00- 120.00	100.00
12.412	12.412 (1.242)		250	6155			0.00- 52.08	22.08
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.615	12.615 (1.263)		264	24847	0.50000	0.54	80.00- 120.00	100.00
12.615	12.615 (1.263)		132	4345			0.00- 47.49	17.49
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.690	12.690 (1.270)		252	22958	0.50000	0.53	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
	19 Benzo[a]pyrene (continued)							
12.685	12.685	(1.270)	250	5515			0.00- 54.02	24.02
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.821	13.821	(1.383)	276	27894	0.50000	0.55	80.00- 120.00	100.00
13.821	13.821	(1.383)	138	8492			0.44- 60.44	30.44
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.830	13.830	(1.384)	278	23108	0.50000	0.53	80.00- 120.00	100.00
13.821	13.821	(1.383)	138	8506			6.81- 66.81	36.81
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
14.132	14.132	(1.414)	276	24083	0.50000	0.57	80.00- 120.00	100.00
14.132	14.132	(1.414)	138	6181			0.00- 55.67	25.67

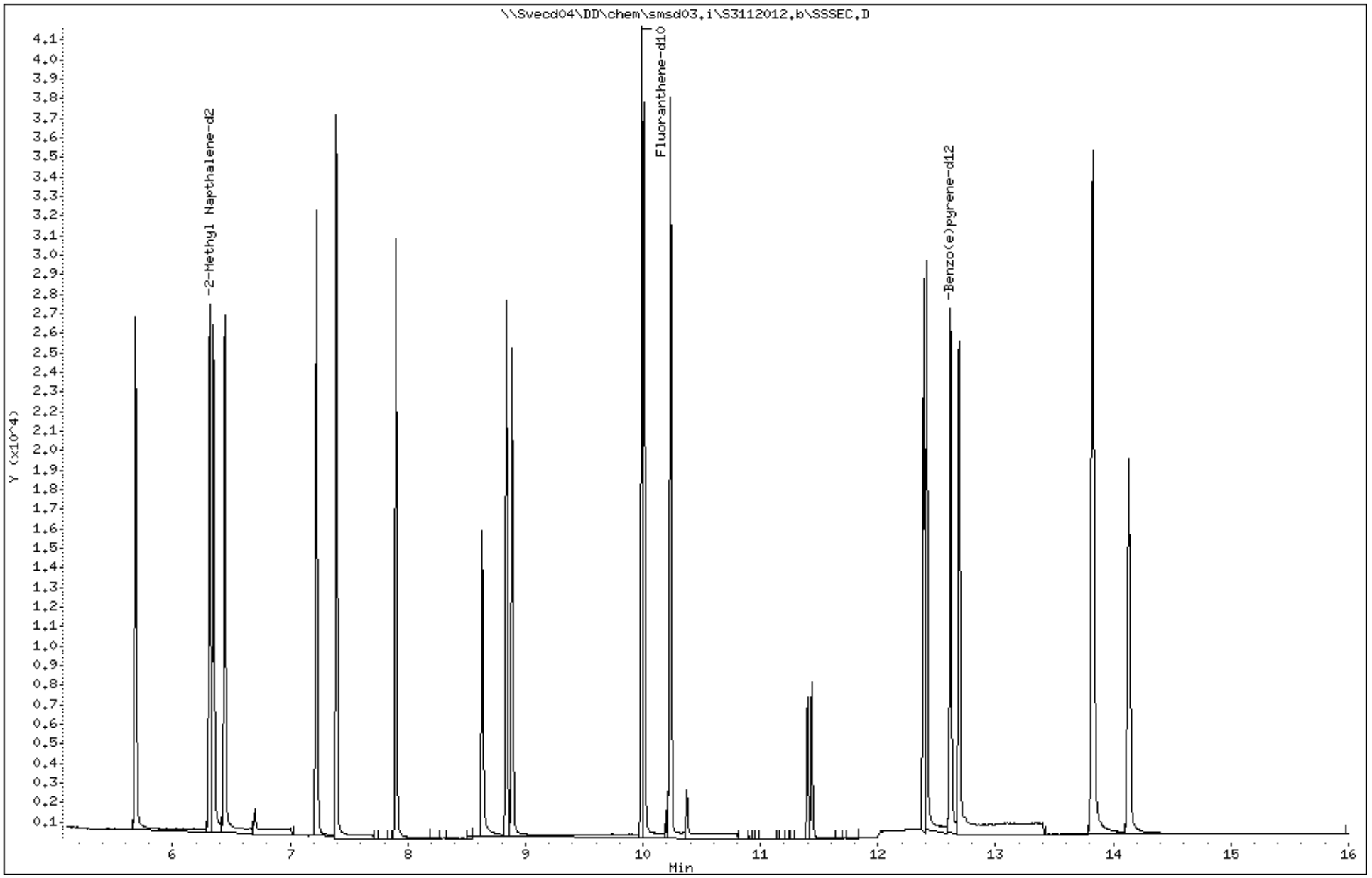
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\SSSEC.D
Date : 20-NOV-2012 20:13
Client ID: SSSEC
Sample Info: 47789

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

242



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-02.D
Lab Smp Id: 350760102 Client Smp ID: FM0102D-CS
Inj Date : 20-NOV-2012 22:11 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760102
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.150	Weight of sample extracted (g)
M	22.900	% 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
	1 Naphthalene						CAS #: 91-20-3		
	5.684	5.683 (0.900)		128	12297	0.27684	14.3	80.00- 120.00	100.00
	5.684	5.683 (0.900)		129	1340			0.00- 40.88	10.90
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.317	6.317 (1.000)		152	22041	0.80000		80.00- 120.00	100.00
	6.312	6.311 (1.000)		122	7164			2.00- 62.00	32.50
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.345	6.345 (1.004)		142	6689	0.22140	11.4	80.00- 120.00	100.00
	6.345	6.345 (1.004)		141	5562			54.36- 114.36	83.15
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.445	6.445 (1.020)		142	4678	0.16444	8.5	80.00- 120.00	100.00
	6.440	6.445 (1.019)		141	4048			56.64- 116.64	86.53
	5 Acenaphthylene						CAS #: 208-96-8		
	7.221	7.224 (1.143)		152	1043	0.02311	1.2	80.00- 120.00	100.00
	7.221	7.220 (1.143)		151	198			0.00- 48.91	18.98
	6 Acenaphthene						CAS #: 83-32-9		
	7.393	7.392 (1.170)		153	562	0.02001	1.0	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
	6 Acenaphthene (continued)							
7.393	7.392 (1.170)		152	325			17.33- 77.33	57.83
	7 Fluorene					CAS #: 86-73-7		
7.896	7.896 (1.250)		166	957	0.02969	1.5	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	1055			63.04- 123.04	110.24
	9 Phenanthrene					CAS #: 85-01-8		
8.834	8.839 (0.884)		178	19367	0.38560	19.9	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	3176			0.00- 45.27	16.40
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.890)		178	2450	0.04999	2.6	80.00- 120.00	100.00(Q)
8.925	8.888 (0.893)		179	1336			0.00- 45.00	54.53
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.991	9.991 (1.000)		212	37706	0.80000		80.00- 120.00	100.00
9.986	9.985 (1.000)		106	5990			0.00- 45.92	15.89
	12 Fluoranthene					CAS #: 206-44-0		
10.008	10.007 (1.002)		202	28900	0.52312	27.0	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	4103			0.00- 43.17	14.20
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	23260	0.38986	20.1	80.00- 120.00	100.00
10.227	10.227 (1.024)		101	3765			0.00- 44.81	16.19
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	4239	0.30767	15.9	80.00- 120.00	100.00
11.397	11.397 (1.141)		200	393			0.00- 42.98	9.27
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.145)		226	6466	0.41639	21.5	80.00- 120.00	100.00
11.433	11.436 (1.144)		200	615			0.00- 42.59	9.51
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	26519	0.52010	26.8	80.00- 120.00	100.00(M)
12.390	12.385 (1.240)		250	6721			0.00- 53.98	25.34
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.399	12.412 (1.241)		252	15778	0.26132	13.5	80.00- 120.00	100.00(M)
12.403	12.412 (1.241)		250	2642			0.00- 52.08	16.74
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.615	12.615 (1.263)		264	13765	0.26032	13.4	80.00- 120.00	100.00
12.611	12.615 (1.262)		132	2318			0.00- 47.49	16.84
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.690	12.690 (1.270)		252	14827	0.30033	15.5	80.00- 120.00	100.00
12.686	12.685 (1.270)		250	3711			0.00- 54.02	25.03
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.821	13.821 (1.383)		276	11454	0.19537	10.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.821	13.821	(1.383)	138	3251			0.44- 60.44	28.38
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.133	14.132	(1.414)	276	13498	0.27890	14.4	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	3245			0.00- 55.67	24.04

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

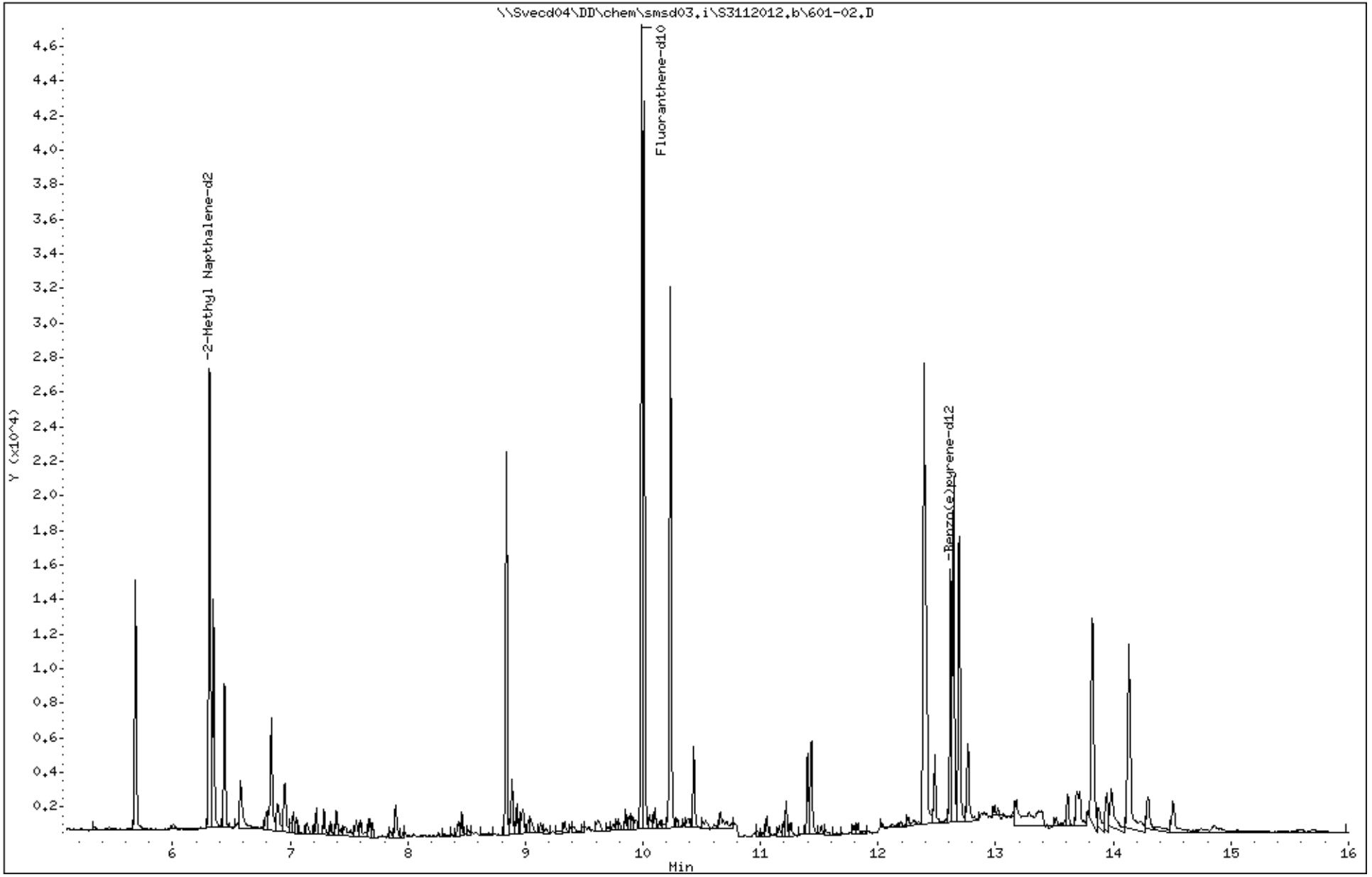
Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-02.D
Date : 20-NOV-2012 22:11
Client ID: FM0102D-CS
Sample Info: SIM350760102

Instrument: smsd03.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

246

3507601



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-03.D
Lab Smp Id: 350760103 Client Smp ID: FM0102E-CS
Inj Date : 20-NOV-2012 22:35 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760103
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.560	Weight of sample extracted (g)
M	22.700	% 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
1 Naphthalene						CAS #: 91-20-3		
5.682	5.683 (0.900)		128	16732	0.33670	17.0	80.00- 120.00	100.00
5.682	5.683 (0.900)		129	1849			0.00- 40.88	11.05
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.316	6.317 (1.000)		152	24658	0.80000		80.00- 120.00	100.00
6.310	6.311 (1.000)		122	7853			2.00- 62.00	31.85
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.349	6.345 (1.005)		142	8638	0.25556	12.9	80.00- 120.00	100.00
6.344	6.345 (1.004)		141	7326			54.36- 114.36	84.81
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.444	6.445 (1.020)		142	5790	0.18193	9.2	80.00- 120.00	100.00
6.444	6.445 (1.020)		141	5060			56.64- 116.64	87.39
5 Acenaphthylene						CAS #: 208-96-8		
7.223	7.224 (1.144)		152	2042	0.04045	2.0	80.00- 120.00	100.00
7.219	7.220 (1.143)		151	367			0.00- 48.91	17.97
6 Acenaphthene						CAS #: 83-32-9		
7.391	7.392 (1.170)		153	857	0.02728	1.4	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
	6 Acenaphthene (continued)							
7.395	7.392 (1.171)		152	473			17.33- 77.33	55.19
	7 Fluorene					CAS #: 86-73-7		
7.896	7.896 (1.250)		166	1486	0.04121	2.1	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	1582			63.04- 123.04	106.46
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	31913	0.56587	28.6	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	5125			0.00- 45.27	16.06
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.889)		178	4504	0.08184	4.1	80.00- 120.00	100.00
8.887	8.888 (0.889)		179	1080			0.00- 45.00	23.98
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.993	9.991 (1.000)		212	42339	0.80000		80.00- 120.00	100.00
9.987	9.985 (1.000)		106	6835			0.00- 45.92	16.14
	12 Fluoranthene					CAS #: 206-44-0		
10.009	10.007 (1.002)		202	48511	0.78202	39.6	80.00- 120.00	100.00
10.004	10.007 (1.001)		101	6702			0.00- 43.17	13.82
	13 Pyrene					CAS #: 129-00-0		
10.234	10.233 (1.024)		202	43141	0.64395	32.6	80.00- 120.00	100.00
10.229	10.227 (1.024)		101	7327			0.00- 44.81	16.98
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	6793	0.44589	22.6	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	612			0.00- 42.98	9.01
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.144)		226	9207	0.52802	26.7	80.00- 120.00	100.00
11.432	11.436 (1.144)		200	1133			0.00- 42.59	12.31
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	33910	0.60788	30.8	80.00- 120.00	100.00(M)
12.390	12.385 (1.240)		250	8599			0.00- 53.98	25.36
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.399	12.412 (1.241)		252	20023	0.29533	14.9	80.00- 120.00	100.00(M)
12.408	12.412 (1.242)		250	2454			0.00- 52.08	12.26
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.615	12.615 (1.262)		264	13341	0.22469	11.4	80.00- 120.00	100.00(R)
12.615	12.615 (1.262)		132	2163			0.00- 47.49	16.21
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.690	12.690 (1.270)		252	21884	0.39477	20.0	80.00- 120.00	100.00
12.686	12.685 (1.270)		250	5260			0.00- 54.02	24.04
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.822	13.821 (1.383)		276	16120	0.24487	12.4	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.822	13.821	(1.383)	138	4549			0.44- 60.44	28.22
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.133	14.132	(1.414)	276	27248	0.50140	25.4	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	7009			0.00- 55.67	25.72

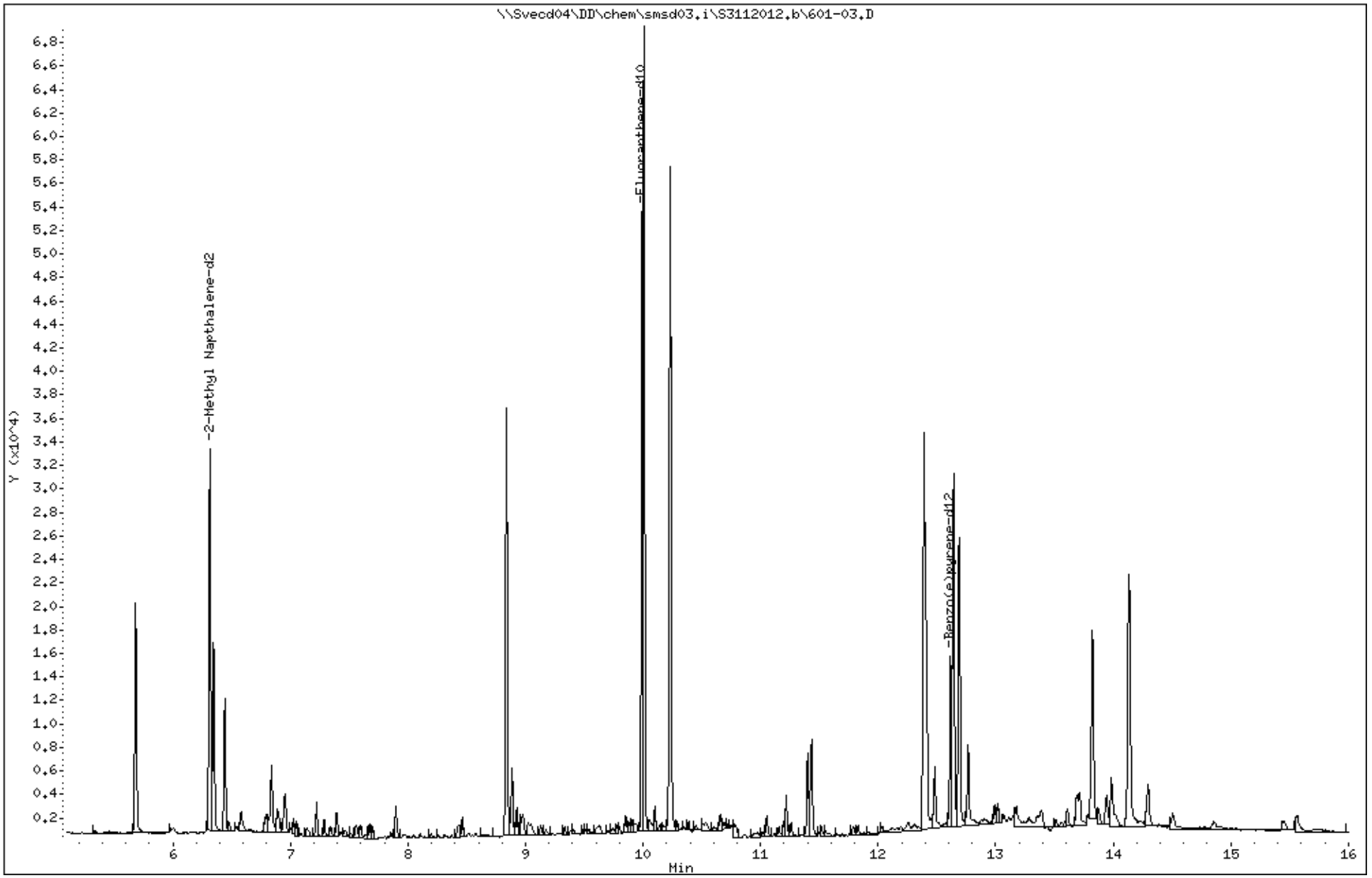
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-03.D
Date : 20-NOV-2012 22:35
Client ID: FM0102E-CS
Sample Info: SIM350760103

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

250



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Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-04.D
Lab Smp Id: 350760104 Client Smp ID: CV0181A-CS
Inj Date : 20-NOV-2012 22:59 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760104
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.620	Weight of sample extracted (g)
M	17.600	% 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
1 Naphthalene						CAS #: 91-20-3		
5.685	5.683 (0.901)		128	13110	0.28535	13.5	80.00- 120.00	100.00
5.685	5.683 (0.901)		129	1433			0.00- 40.88	10.93
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.313	6.317 (1.000)		152	22797	0.80000		80.00- 120.00	100.00
6.313	6.311 (1.000)		122	7461			2.00- 62.00	32.73
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.346	6.345 (1.005)		142	9800	0.31361	14.8	80.00- 120.00	100.00
6.346	6.345 (1.005)		141	8211			54.36- 114.36	83.79
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.441	6.445 (1.020)		142	6544	0.22240	10.5	80.00- 120.00	100.00
6.441	6.445 (1.020)		141	5760			56.64- 116.64	88.02
5 Acenaphthylene						CAS #: 208-96-8		
7.224	7.224 (1.144)		152	3870	0.08291	3.9	80.00- 120.00	100.00
7.220	7.220 (1.144)		151	732			0.00- 48.91	18.91
6 Acenaphthene						CAS #: 83-32-9		
7.392	7.392 (1.171)		153	1025	0.03529	1.7	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
	6 Acenaphthene (continued)							
7.396	7.392 (1.172)		152	429			17.33- 77.33	41.85
	7 Fluorene					CAS #: 86-73-7		
7.896	7.896 (1.251)		166	1230	0.03689	1.7	80.00- 120.00	100.00
7.896	7.896 (1.251)		165	1476			63.04- 123.04	120.00
	9 Phenanthrene					CAS #: 85-01-8		
8.834	8.839 (0.884)		178	28983	0.63992	30.3	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	4653			0.00- 45.27	16.05
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.890)		178	4679	0.10587	5.0	80.00- 120.00	100.00
8.888	8.888 (0.890)		179	1006			0.00- 45.00	21.50
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	34002	0.80000		80.00- 120.00	100.00
9.986	9.985 (1.000)		106	5252			0.00- 45.92	15.45
	12 Fluoranthene					CAS #: 206-44-0		
10.008	10.007 (1.002)		202	46158	0.92653	43.9	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	6238			0.00- 43.17	13.51
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	41166	0.76514	36.2	80.00- 120.00	100.00
10.228	10.227 (1.024)		101	7060			0.00- 44.81	17.15
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.401	11.401 (1.141)		226	8587	0.71098	33.7	80.00- 120.00	100.00
11.397	11.397 (1.141)		200	738			0.00- 42.98	8.59
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.145)		226	10291	0.73490	34.8	80.00- 120.00	100.00
11.433	11.436 (1.144)		200	1028			0.00- 42.59	9.99
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.389	12.390 (1.240)		252	43077	1.02696	48.6	80.00- 120.00	100.00(M)
12.389	12.385 (1.240)		250	11033			0.00- 53.98	25.61
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.402	12.412 (1.241)		252	24178	0.44406	21.0	80.00- 120.00	100.00(M)
12.398	12.412 (1.241)		250	7268			0.00- 52.08	30.06
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.618	12.615 (1.263)		264	15358	0.32208	15.2	80.00- 120.00	100.00
12.614	12.615 (1.262)		132	2645			0.00- 47.49	17.22
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.689	12.690 (1.270)		252	28207	0.63360	30.0	80.00- 120.00	100.00
12.689	12.685 (1.270)		250	6746			0.00- 54.02	23.92
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.825	13.821 (1.384)		276	21609	0.40873	19.4	80.00- 120.00	100.00

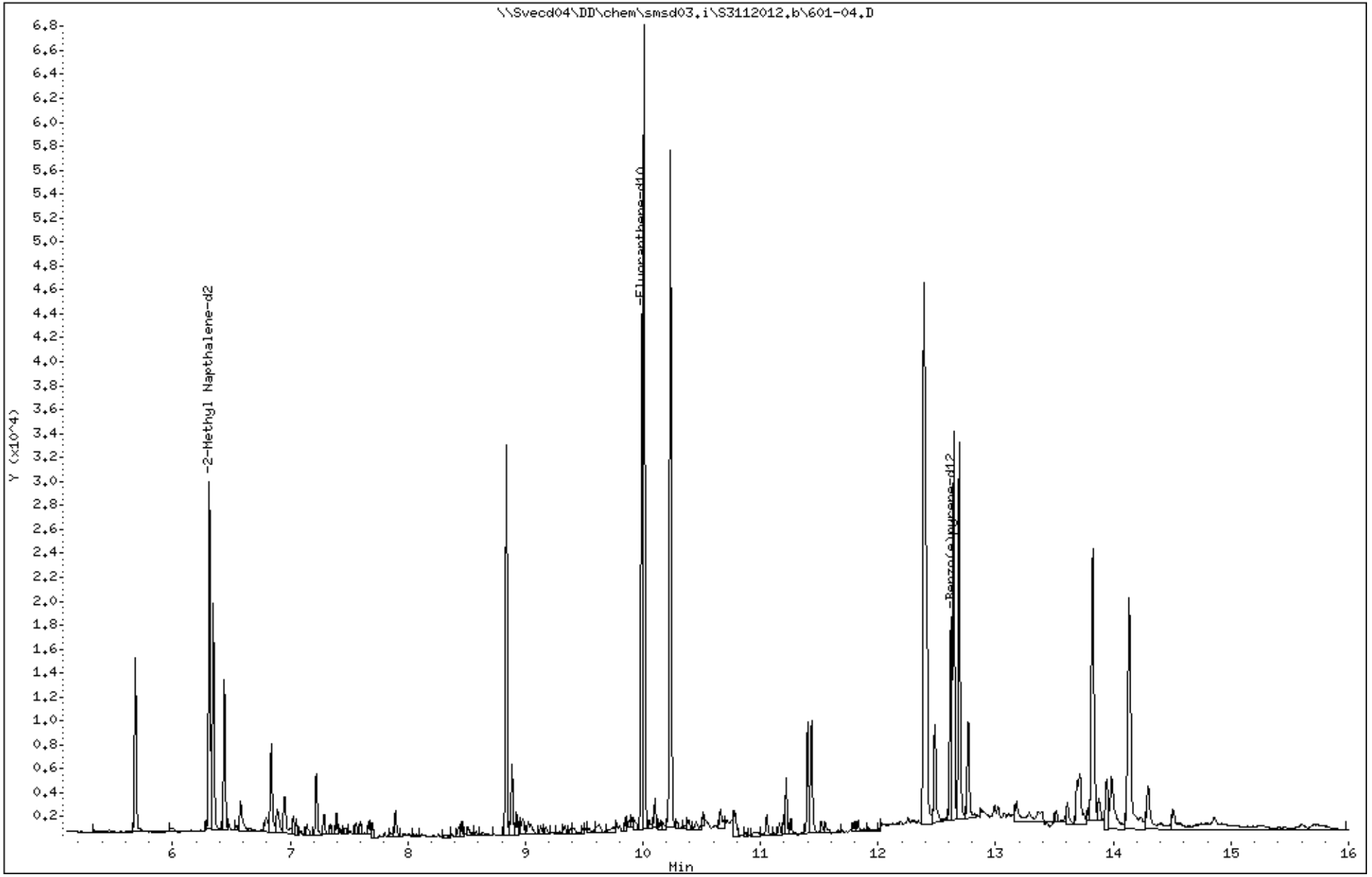
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.820	13.821	(1.383)	138	6098			0.44- 60.44	28.22
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.830	13.830	(1.384)	278	7359	0.07899	3.7	80.00- 120.00	100.00(Q)
13.820	13.821	(1.383)	138	6098			6.81- 66.81	82.86
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.136	14.132	(1.415)	276	25657	0.58789	27.8	80.00- 120.00	100.00
14.132	14.132	(1.414)	138	5874			0.00- 55.67	22.89

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-04.D
Date : 20-NOV-2012 22:59
Client ID: CV0181A-CS
Sample Info: SIM350760104

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



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3507601

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Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-05.D
Lab Smp Id: 350760105 Client Smp ID: CV0181B-CS
Inj Date : 20-NOV-2012 23:22 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760105
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.240	Weight of sample extracted (g)
M	21.000	% 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
	1 Naphthalene						CAS #: 91-20-3		
	5.685	5.683 (0.901)		128	21156	0.48338	24.2	80.00- 120.00	100.00
	5.685	5.683 (0.901)		129	2277			0.00- 40.88	10.76
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.313	6.317 (1.000)		152	21717	0.80000		80.00- 120.00	100.00
	6.313	6.311 (1.000)		122	7213			2.00- 62.00	33.21
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.347	6.345 (1.005)		142	13763	0.46234	23.2	80.00- 120.00	100.00
	6.347	6.345 (1.005)		141	11633			54.36- 114.36	84.52
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.441	6.445 (1.020)		142	10379	0.37028	18.6	80.00- 120.00	100.00
	6.441	6.445 (1.020)		141	9095			56.64- 116.64	87.63
	5 Acenaphthylene						CAS #: 208-96-8		
	7.222	7.224 (1.144)		152	4994	0.11231	5.6	80.00- 120.00	100.00
	7.222	7.220 (1.144)		151	963			0.00- 48.91	19.28
	6 Acenaphthene						CAS #: 83-32-9		
	7.394	7.392 (1.171)		153	2164	0.07822	3.9	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
	6 Acenaphthene (continued)							
7.394	7.392 (1.171)		152	1116			17.33- 77.33	51.57
	7 Fluorene					CAS #: 86-73-7		
7.896	7.896 (1.251)		166	2512	0.07909	4.0	80.00- 120.00	100.00
7.896	7.896 (1.251)		165	2695			63.04- 123.04	107.29
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	40227	0.85873	43.1	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	6496			0.00- 45.27	16.15
	10 Anthracene					CAS #: 120-12-7		
8.887	8.888 (0.889)		178	6461	0.14135	7.1	80.00- 120.00	100.00
8.887	8.888 (0.889)		179	1845			0.00- 45.00	28.56
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	35168	0.80000		80.00- 120.00	100.00
9.987	9.985 (1.000)		106	5586			0.00- 45.92	15.88
	12 Fluoranthene					CAS #: 206-44-0		
10.009	10.007 (1.002)		202	65298	1.26727	63.6	80.00- 120.00	100.00
10.003	10.007 (1.001)		101	8896			0.00- 43.17	13.62
	13 Pyrene					CAS #: 129-00-0		
10.234	10.233 (1.024)		202	61661	1.10807	55.6	80.00- 120.00	100.00
10.229	10.227 (1.024)		101	10410			0.00- 44.81	16.88
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.404	11.401 (1.141)		226	10021	0.80425	40.3	80.00- 120.00	100.00
11.400	11.397 (1.141)		200	878			0.00- 42.98	8.76
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.144)		226	13854	0.95653	48.0	80.00- 120.00	100.00
11.436	11.436 (1.144)		200	1731			0.00- 42.59	12.49
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.390	12.390 (1.240)		252	50544	1.18013	59.2	80.00- 120.00	100.00(M)
12.390	12.385 (1.240)		250	12950			0.00- 53.98	25.62
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.403	12.412 (1.241)		252	25326	0.44972	22.6	80.00- 120.00	100.00(M)
12.403	12.412 (1.241)		250	6175			0.00- 52.08	24.38
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	11072	0.22450	11.2	80.00- 120.00	100.00(R)
12.615	12.615 (1.262)		132	1868			0.00- 47.49	16.87
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.690	12.690 (1.270)		252	35300	0.76663	38.4	80.00- 120.00	100.00
12.690	12.685 (1.270)		250	8540			0.00- 54.02	24.19
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.821	13.821 (1.383)		276	25104	0.45909	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
20 Indeno[1,2,3-cd]pyrene (continued)								
13.821	13.821	(1.383)	138	6772			0.44- 60.44	26.98
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.826	13.830	(1.384)	278	7371	0.07263	3.6	80.00- 120.00	100.00(Q)
13.821	13.821	(1.383)	138	6595			6.81- 66.81	89.47
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.137	14.132	(1.415)	276	28616	0.63395	31.8	80.00- 120.00	100.00
14.133	14.132	(1.414)	138	7107			0.00- 55.67	24.84

QC Flag Legend

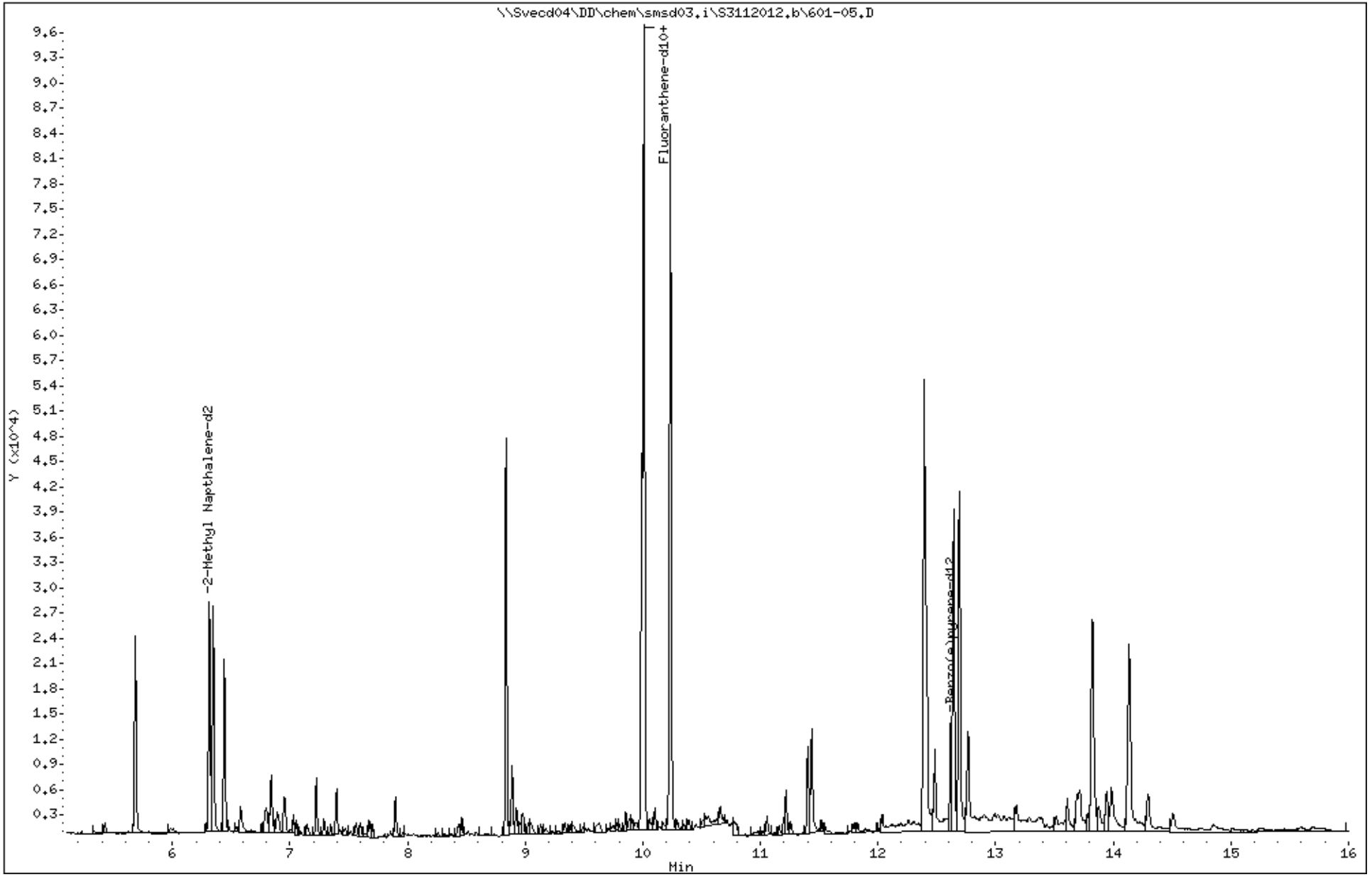
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-05.D
Date : 20-NOV-2012 23:22
Client ID: CV0181B-CS
Sample Info: SIM350760105

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

258

3507601



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-06.D
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Inj Date : 20-NOV-2012 23:46 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760106
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.300	Weight of sample extracted (g)
M	35.000	% 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
1 Naphthalene							CAS #: 91-20-3	
5.684	5.683 (0.900)		128	16425	0.35560	21.6	80.00- 120.00	100.00
5.684	5.683 (0.900)		129	1762			0.00- 40.88	10.73
* 2 2-Methyl Napthalene-d2							CAS #: 7927-45-2	
6.317	6.317 (1.000)		152	22919	0.80000		80.00- 120.00	100.00
6.312	6.311 (1.000)		122	7507			2.00- 62.00	32.75
3 2-Methylnaphthalene							CAS #: 91-57-6	
6.345	6.345 (1.004)		142	3036	0.09664	5.9	80.00- 120.00	100.00
6.345	6.345 (1.004)		141	2545			54.36- 114.36	83.83
4 1-Methylnaphthalene							CAS #: 90-12-0	
6.445	6.445 (1.020)		142	1989	0.06724	4.1	80.00- 120.00	100.00
6.445	6.445 (1.020)		141	1707			56.64- 116.64	85.82
7 Fluorene							CAS #: 86-73-7	
7.900	7.896 (1.251)		166	1133	0.03380	2.0	80.00- 120.00	100.00
7.896	7.896 (1.250)		165	1086			63.04- 123.04	95.85
9 Phenanthrene							CAS #: 85-01-8	
8.840	8.839 (0.885)		178	18081	0.34572	21.0	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
	9 Phenanthrene (continued)							
8.840	8.839 (0.885)		179	2791			0.00- 45.27	15.44
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.890)		178	2592	0.05079	3.1	80.00- 120.00	100.00
8.883	8.888 (0.889)		179	1044			0.00- 45.00	40.28
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.991	9.991 (1.000)		212	39263	0.80000		80.00- 120.00	100.00
9.991	9.985 (1.000)		106	6584			0.00- 45.92	16.77
	12 Fluoranthene					CAS #: 206-44-0		
10.008	10.007 (1.002)		202	24062	0.41828	25.4	80.00- 120.00	100.00
10.008	10.007 (1.002)		101	3791			0.00- 43.17	15.76
	13 Pyrene					CAS #: 129-00-0		
10.233	10.233 (1.024)		202	19722	0.31745	19.3	80.00- 120.00	100.00
10.233	10.227 (1.024)		101	3073			0.00- 44.81	15.58
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.405	11.401 (1.141)		226	2977	0.20232	12.3	80.00- 120.00	100.00
11.401	11.397 (1.141)		200	198			0.00- 42.98	6.65
	15 Chrysene					CAS #: 218-01-9		
11.436	11.436 (1.145)		226	3188	0.19715	12.0	80.00- 120.00	100.00
11.436	11.436 (1.145)		200	806			0.00- 42.59	25.28
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.395	12.390 (1.240)		252	13758	0.20271	12.3	80.00- 120.00	100.00(M)
12.395	12.385 (1.240)		250	3036			0.00- 53.98	22.07
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.412	12.412 (1.242)		252	5794	0.09216	5.6	80.00- 120.00	100.00(M)
12.399	12.412 (1.241)		250	2245			0.00- 52.08	38.75
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.619	12.615 (1.263)		264	10774	0.19567	11.9	80.00- 120.00	100.00(R)
12.619	12.615 (1.263)		132	1818			0.00- 47.49	16.87
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.694	12.690 (1.271)		252	7591	0.14766	9.0	80.00- 120.00	100.00
12.690	12.685 (1.270)		250	1788			0.00- 54.02	23.55
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.830	13.821 (1.384)		276	6282	0.10290	6.2	80.00- 120.00	100.00(Q)
13.821	13.821 (1.383)		138	3797			0.44- 60.44	60.44
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
14.146	14.132 (1.416)		276	7972	0.15819	9.6	80.00- 120.00	100.00
14.141	14.132 (1.415)		138	2043			0.00- 55.67	25.63

QC Flag Legend

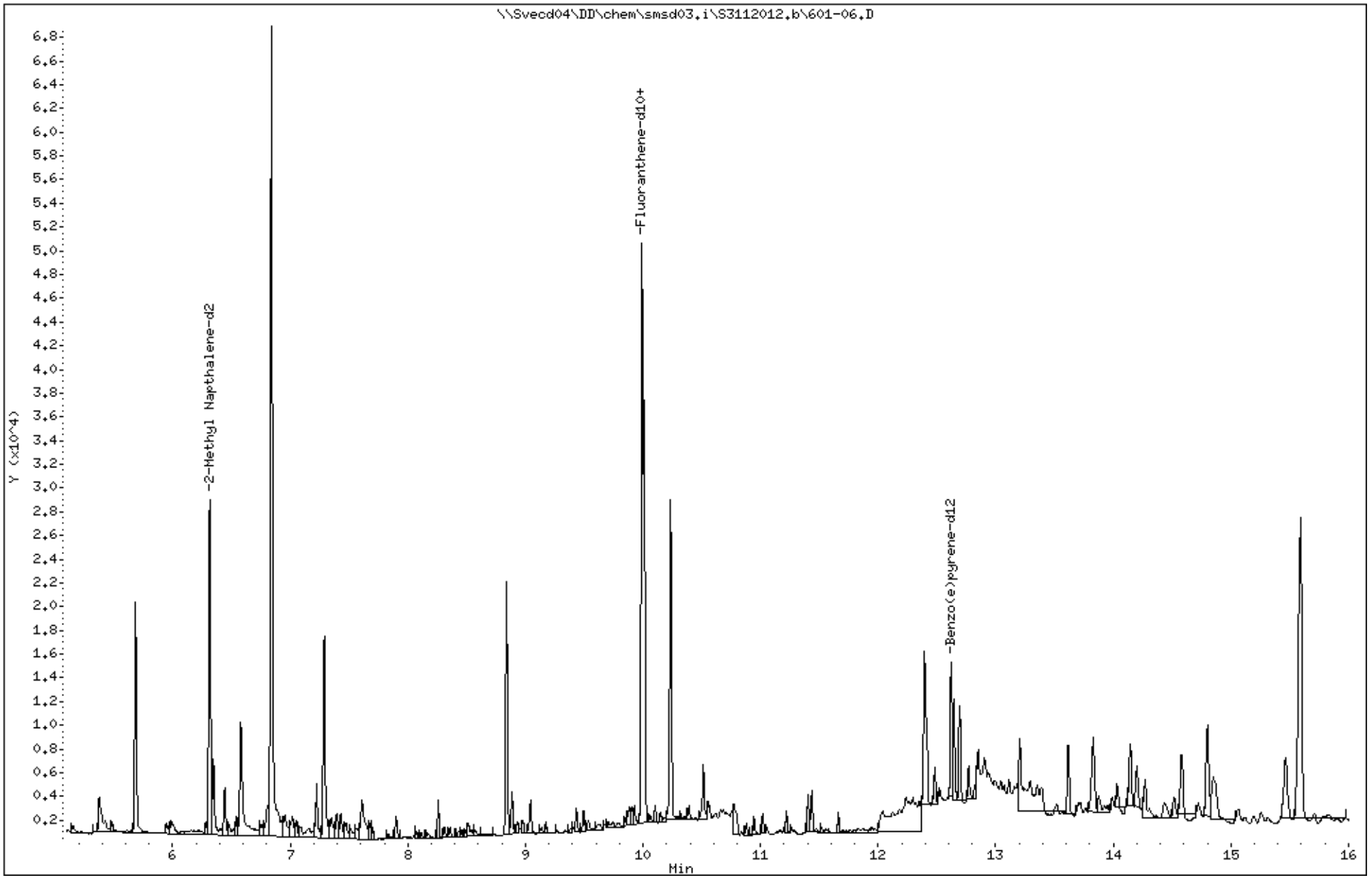
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-06.D
Date : 20-NOV-2012 23:46
Client ID: CV0181C-CS
Sample Info: SIM350760106

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

262

3507601



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Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-01.D
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Inj Date : 21-NOV-2012 02:31 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM350760101
Misc Info :
Comment :
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Meth Date : 28-Nov-2012 15:39 smsd03.i Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.340	Weight of sample extracted (g)
M	30.800	% 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
1 Naphthalene						CAS #: 91-20-3		
5.683	5.683 (0.900)		128	13392	0.29021	16.5	80.00- 120.00	100.00
5.688	5.683 (0.901)		129	1485			0.00- 40.88	11.09
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.316	6.317 (1.000)		152	22898	0.80000		80.00- 120.00	100.00
6.316	6.311 (1.000)		122	7424			2.00- 62.00	32.42
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.350	6.345 (1.005)		142	6809	0.21694	12.4	80.00- 120.00	100.00
6.350	6.345 (1.005)		141	5723			54.36- 114.36	84.05
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.444	6.445 (1.020)		142	5000	0.16918	9.6	80.00- 120.00	100.00
6.444	6.445 (1.020)		141	4341			56.64- 116.64	86.82
5 Acenaphthylene						CAS #: 208-96-8		
7.224	7.224 (1.144)		152	2827	0.06030	3.4	80.00- 120.00	100.00
7.224	7.220 (1.144)		151	575			0.00- 48.91	20.34
6 Acenaphthene						CAS #: 83-32-9		
7.395	7.392 (1.171)		153	2178	0.07466	4.2	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
	6 Acenaphthene (continued)							
7.395	7.392 (1.171)		152	1065			17.33- 77.33	48.90
	7 Fluorene					CAS #: 86-73-7		
7.901	7.896 (1.251)		166	2941	0.08782	5.0	80.00- 120.00	100.00
7.897	7.896 (1.250)		165	2973			63.04- 123.04	101.09
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	65501	1.19659	68.2	80.00- 120.00	100.00
8.839	8.839 (0.885)		179	10246			0.00- 45.27	15.64
	10 Anthracene					CAS #: 120-12-7		
8.893	8.888 (0.890)		178	13754	0.25750	14.7	80.00- 120.00	100.00
8.893	8.888 (0.890)		179	3339			0.00- 45.00	24.28
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.993	9.991 (1.000)		212	41095	0.80000		80.00- 120.00	100.00
9.993	9.985 (1.000)		106	6491			0.00- 45.92	15.80
	12 Fluoranthene					CAS #: 206-44-0		
10.015	10.007 (1.002)		202	105719	1.75583	100	80.00- 120.00	100.00
10.009	10.007 (1.002)		101	14422			0.00- 43.17	13.64
	13 Pyrene					CAS #: 129-00-0		
10.234	10.233 (1.024)		202	87717	1.34896	76.9	80.00- 120.00	100.00
10.234	10.227 (1.024)		101	15395			0.00- 44.81	17.55
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.404	11.401 (1.141)		226	15128	1.04366	59.5	80.00- 120.00	100.00
11.404	11.397 (1.141)		200	1417			0.00- 42.98	9.37
	15 Chrysene					CAS #: 218-01-9		
11.440	11.436 (1.145)		226	19259	1.13793	64.9	80.00- 120.00	100.00
11.440	11.436 (1.145)		200	1844			0.00- 42.59	9.57
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.395	12.390 (1.240)		252	72703	1.47865	84.3	80.00- 120.00	100.00(M)
12.395	12.385 (1.240)		250	18551			0.00- 53.98	25.52
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.408	12.412 (1.242)		252	34162	0.51913	29.6	80.00- 120.00	100.00(M)
12.404	12.412 (1.241)		250	10013			0.00- 52.08	29.31
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.624	12.615 (1.263)		264	15554	0.26989	15.4	80.00- 120.00	100.00
12.620	12.615 (1.263)		132	2670			0.00- 47.49	17.17
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.695	12.690 (1.270)		252	48405	0.89962	51.3	80.00- 120.00	100.00
12.695	12.685 (1.270)		250	11535			0.00- 54.02	23.83
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.831	13.821 (1.384)		276	29185	0.45675	26.0	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
20 Indeno[1,2,3-cd]pyrene (continued)								
13.831	13.821	(1.384)	138	8301			0.44- 60.44	28.44
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.836	13.830	(1.385)	278	9503	0.09280	5.3	80.00- 120.00	100.00(Q)
13.831	13.821	(1.384)	138	8301			6.81- 66.81	87.35
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.142	14.132	(1.415)	276	30219	0.57291	32.7	80.00- 120.00	100.00
14.142	14.132	(1.415)	138	7619			0.00- 55.67	25.21

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\601-01.D
Date : 21-NOV-2012 02:31
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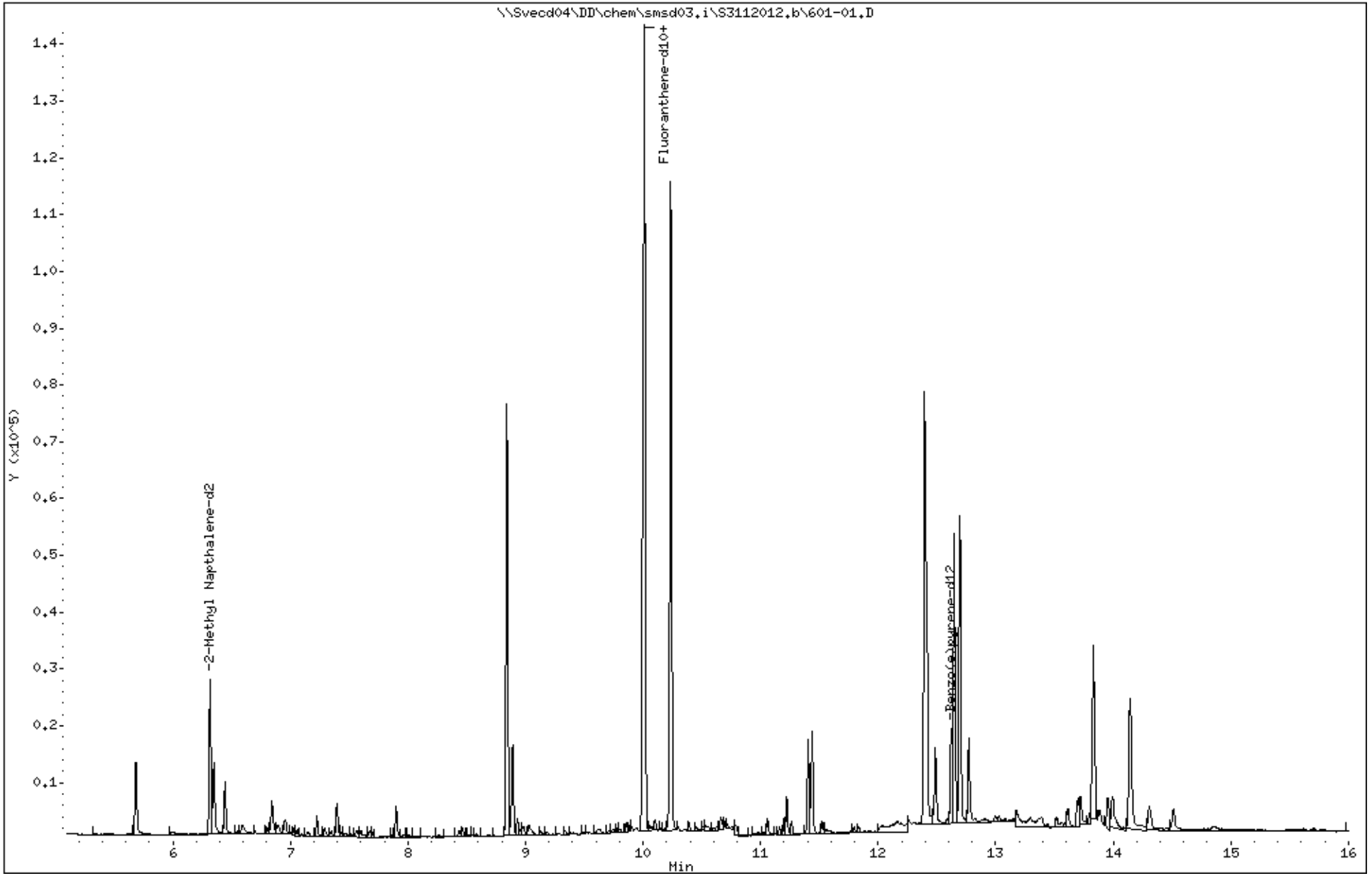
Sample Info: SIM350760101

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
Report Date: 29-Nov-2012 10:14

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
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Inj Date : 14-NOV-2012 19:35
Operator : MJ Inst ID: smsd04.i
Smp Info : 47137
Misc Info :
Comment :
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Meth Date : 06-Aug-2012 11:47 Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

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		
7.474	7.410	(0.000)	198	160768			0.00- 100.00	100.00
7.474	7.410	(0.000)	51	63144			10.00- 80.00	39.28
7.474	7.410	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	69	80600			0.00- 0.00	50.13
7.474	7.410	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	127	76144			10.00- 80.00	47.36
7.474	7.410	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	199	11183			5.00- 9.00	6.96
7.474	7.410	(0.000)	275	40952			10.00- 60.00	25.47
7.474	7.410	(0.000)	365	5692			1.00- 0.00	3.54
7.474	7.410	(0.000)	441	21680			0.01- 24.00	16.90
7.474	7.410	(0.000)	442	128272			50.00- 0.00	79.79
7.474	7.410	(0.000)	443	25920			15.00- 24.00	20.21

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
Date : 14-NOV-2012 19:35
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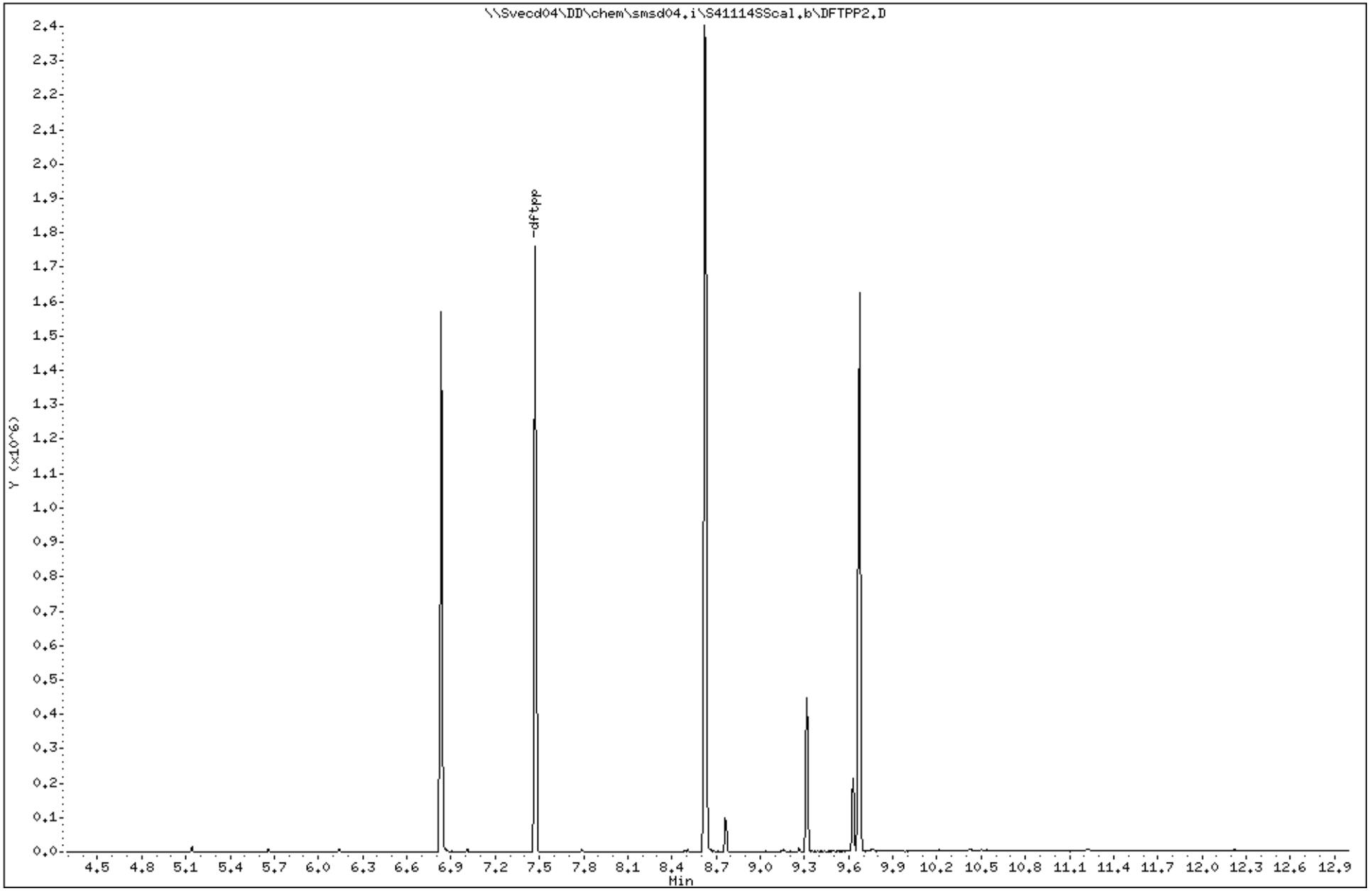
Sample Info: 47137
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



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3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

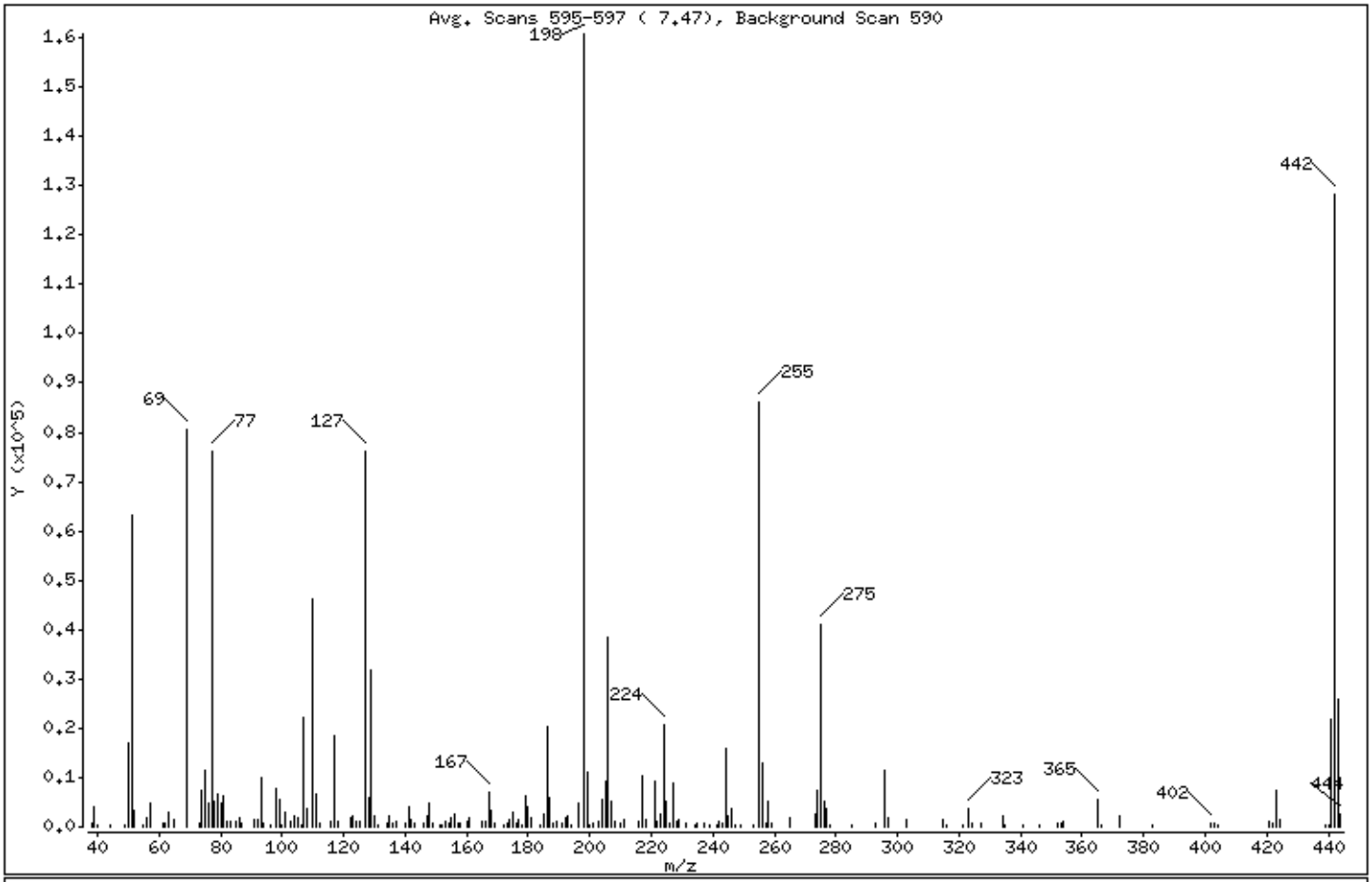
Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

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	39.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.13
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	47.36
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 60.00% of mass 198	25.47
365	Greater than 1.00% of mass 198	3.54
441	0.01 - 24.00% of mass 442	13.49 (16.90)
442	Greater than 50.00% of mass 198	79.79
443	15.00 - 24.00% of mass 442	16.12 (20.21)

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 595-597 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	910	117.00	18576	185.00	2429	256.00	13046
39.00	4153	118.00	1122	186.00	20160	257.00	902
40.00	236	122.00	1714	187.00	5897	258.00	5084
44.00	453	123.00	2400	188.00	566	259.00	681
49.00	421	124.00	992	189.00	1001	265.00	1840
50.00	17128	125.00	1027	191.00	584	273.00	2539
51.00	63144	127.00	76144	192.00	1867	274.00	7462
52.00	3208	128.00	5903	193.00	2047	275.00	40952
55.00	280	129.00	31840	194.00	227	276.00	5331
56.00	1896	130.00	2396	196.00	4817	277.00	3615
57.00	4860	131.00	229	198.00	160768	278.00	525
61.00	769	134.00	797	199.00	11183	285.00	512
62.00	914	135.00	2365	200.00	543	293.00	744
63.00	3063	136.00	707	201.00	570	296.00	11478
65.00	1458	137.00	1016	203.00	989	297.00	1700
69.00	80600	140.00	612	204.00	5569	303.00	1356
73.00	716	141.00	4057	205.00	9144	315.00	1444
74.00	7389	142.00	1428	206.00	38584	316.00	527
75.00	11569	143.00	663	207.00	5073	321.00	239
76.00	4743	146.00	658	208.00	1105	323.00	3708
77.00	76048	147.00	2285	210.00	690	324.00	585
78.00	5210	148.00	4809	211.00	1447	327.00	808
79.00	6563	149.00	879	216.00	1071	334.00	2264
80.00	4810	151.00	549	217.00	10264	335.00	320
81.00	6197	152.00	248	218.00	1330	341.00	258
82.00	1165	153.00	1157	221.00	9191	346.00	254
83.00	1017	154.00	821	222.00	1017	352.00	828
85.00	965	155.00	1916	223.00	2455	353.00	561
86.00	1722	156.00	2682	224.00	20648	354.00	950
87.00	729	157.00	563	225.00	5275	365.00	5692
91.00	1296	158.00	590	226.00	573	366.00	232
92.00	1642	160.00	1212	227.00	8987	372.00	2049
93.00	9928	161.00	1712	228.00	1011	383.00	240
94.00	631	165.00	1218	229.00	1493	402.00	833
96.00	273	166.00	1209	231.00	570	403.00	575

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 595-597 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	7775	167.00	7202	234.00	500	404.00	222
99.00	5512	168.00	3358	235.00	626	421.00	1109
100.00	333	169.00	629	237.00	898	422.00	888
101.00	3060	172.00	541	239.00	224	423.00	7248
103.00	959	173.00	806	241.00	271	424.00	1605
104.00	2143	174.00	1497	242.00	1026	439.00	314
105.00	1970	175.00	3068	243.00	609	440.00	254
106.00	538	176.00	730	244.00	16074	441.00	21680
107.00	22328	177.00	1606	245.00	2224	442.00	128272
108.00	3678	178.00	484	246.00	3578	443.00	25920
110.00	46328	179.00	6155	247.00	489	444.00	2496
111.00	6632	180.00	4188	249.00	311		
112.00	593	181.00	1907	253.00	448		
116.00	1011	184.00	249	255.00	86256		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 16:38

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 16:54

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 18:04

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/28/2012 10:14

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/29/2012 10:14

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL7.d
Lab Smp Id: 47782 Client Smp ID: SSCAL7
Inj Date : 14-NOV-2012 19:53 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47782
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 19:53 Cal File: SSCAL7.d
Als bottle: 11 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.480	5.478 (1.000)		128	106440	10.0000	10.3	80.00- 120.00	100.00(A)
5.480	5.478 (1.000)		129	11614			0.00- 30.00	10.91
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.116	6.106 (1.000)		152	5025	0.80000		80.00- 120.00	100.00(M)
6.108	6.106 (0.999)		122	2384			13.59- 73.59	47.44
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.140	6.138 (1.000)		142	72439	10.0000	10.1	80.00- 120.00	100.00(A)
6.140	6.138 (1.000)		141	62043			66.11- 126.11	85.65
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.243	6.241 (1.000)		142	65468	10.0000	10	80.00- 120.00	100.00
6.243	6.241 (1.000)		141	58395			64.49- 124.49	89.20
	5 Acenaphthylene					CAS #: 208-96-8		
7.018	7.015 (1.000)		152	111771	10.0000	10.9	80.00- 120.00	100.00(A)
7.018	7.015 (1.000)		151	21609			0.00- 41.18	19.33
	6 Acenaphthene					CAS #: 83-32-9		
7.195	7.193 (1.000)		153	71343	10.0000	10.2	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
	6 Acenaphthene (continued)							
7.195	7.193	(1.000)	152	33929			13.30- 73.30	47.56
	7 Fluorene					CAS #: 86-73-7		
7.692	7.690	(1.000)	166	85686	10.0000	10.3	80.00- 120.00	100.00(A)
7.692	7.690	(1.000)	165	79306			61.41- 121.41	92.55
	8 Pentachlorophenol					CAS #: 87-86-5		
8.483	8.474	(0.867)	266	28823	20.0000	20.4	80.00- 120.00	100.00(A)
8.476	8.474	(0.867)	264	18960			39.89- 99.89	65.78
	9 Phenanthrene					CAS #: 85-01-8		
8.622	8.619	(0.882)	178	123494	10.0000	10.2	80.00- 120.00	100.00(A)
8.622	8.619	(0.882)	176	23438			0.00- 41.18	18.98
	10 Anthracene					CAS #: 120-12-7		
8.665	8.663	(0.886)	178	119609	10.0000	11.0	80.00- 120.00	100.00(A)
8.665	8.663	(0.886)	176	21925			0.00- 39.42	18.33
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.780	9.777	(1.000)	212	8432	0.80000		80.00- 120.00	100.00
9.780	9.777	(1.000)	106	1036			0.00- 44.41	12.29
	12 Fluoranthene					CAS #: 206-44-0		
9.795	9.793	(1.002)	202	135981	10.0000	10.1	80.00- 120.00	100.00(A)
9.795	9.793	(1.002)	101	14047			0.00- 30.00	10.33
	13 Pyrene					CAS #: 129-00-0		
10.018	10.015	(1.024)	202	140486	10.0000	10.2	80.00- 120.00	100.00(A)
10.010	10.015	(1.024)	101	17539			0.00- 36.40	12.48
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.190	11.188	(1.144)	226	34513	10.0000	11.4	80.00- 120.00	100.00(A)
11.190	11.188	(1.144)	200	5182			0.00- 30.00	15.01
	15 Chrysene					CAS #: 218-01-9		
11.232	11.229	(1.148)	226	38347	10.0000	10.7	80.00- 120.00	100.00(A)
11.232	11.229	(1.148)	200	5556			0.00- 30.00	14.49
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.193	12.190	(1.247)	252	156681	10.0000	12.3	80.00- 120.00	100.00(A)
12.193	12.190	(1.247)	250	37879			0.00- 47.79	24.18
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.216	12.214	(1.249)	252	141663	10.0000	9.8	80.00- 120.00	100.00
12.216	12.214	(1.249)	250	30437			0.00- 56.48	21.49
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.415	12.405	(1.269)	264	123882	10.0000	10.6	80.00- 120.00	100.00(A)
12.407	12.405	(1.269)	132	16113			0.00- 36.00	13.01
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.479	12.476	(1.276)	252	122243	10.0000	11.4	80.00- 120.00	100.00(A)

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.479	12.476	(1.276)	250	28425			0.00- 40.19	23.25
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.560	13.550	(1.387)	276	139964	10.0000	11.4	80.00- 120.00	100.00(A)
13.560	13.550	(1.387)	138	29408			0.00- 37.88	21.01
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.568	13.566	(1.387)	278	114660	10.0000	11.4	80.00- 120.00	100.00(A)
13.560	13.566	(1.387)	138	29527			0.00- 38.19	25.75
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.847	13.836	(1.416)	276	116796	10.0000	10.9	80.00- 120.00	100.00(A)
13.847	13.836	(1.416)	138	20915			0.00- 30.00	17.91

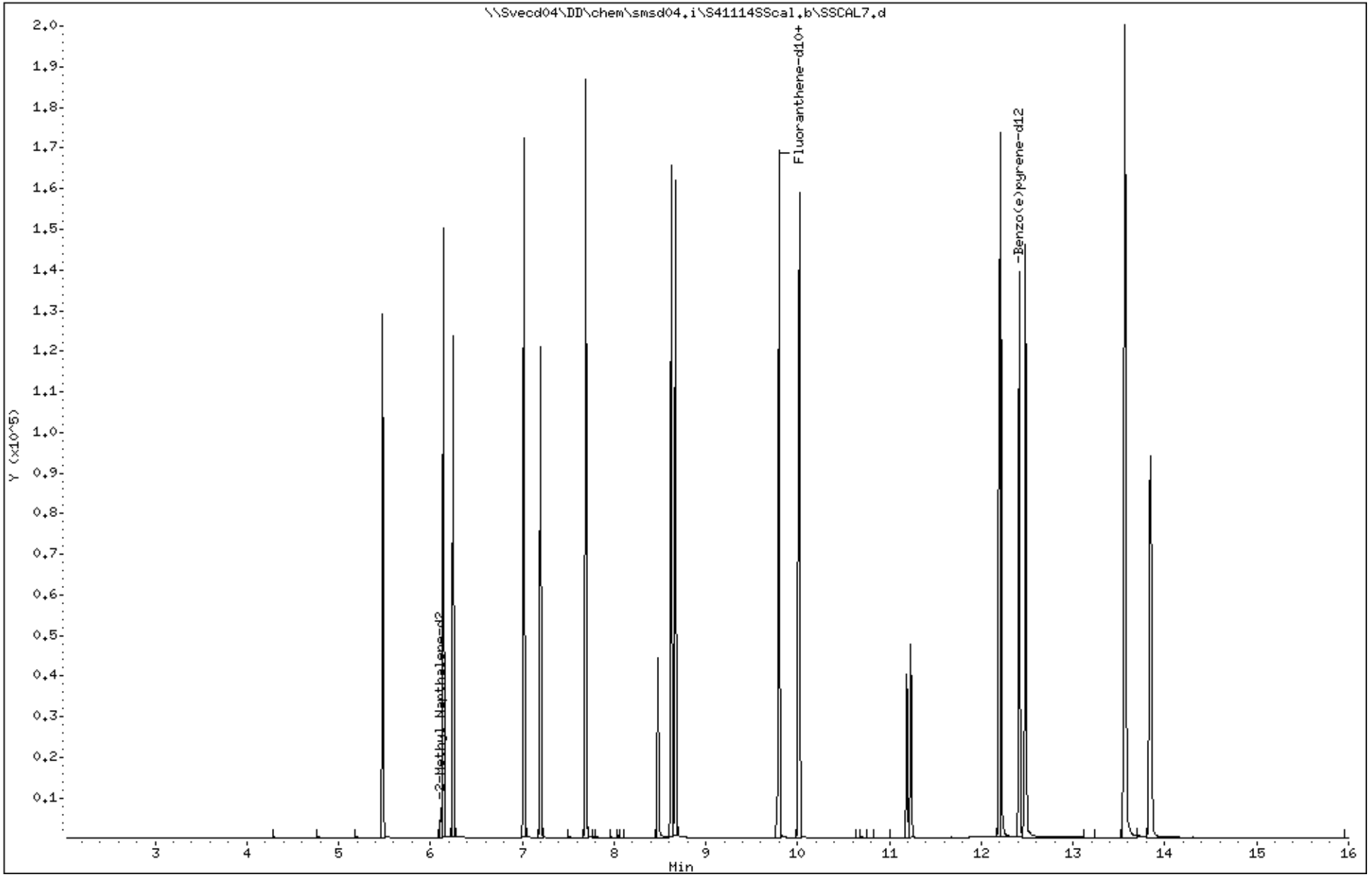
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL7.d
Date : 14-NOV-2012 19:53
Client ID: SSCAL7
Sample Info: 47782

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5



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3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL6.d
Lab Smp Id: 47783 Client Smp ID: SSCAL6
Inj Date : 14-NOV-2012 20:14 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47783
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 20:14 Cal File: SSCAL6.d
Als bottle: 12 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.481	5.478 (0.897)		128	53965	5.00000	5.2	80.00- 120.00	100.00
5.481	5.478 (0.897)		129	5919			0.00- 30.00	10.97
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.108	6.106 (1.000)		152	5138	0.80000		80.00- 120.00	100.00
6.108	6.106 (1.000)		122	2386			13.59- 73.59	46.44
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.140	6.138 (1.005)		142	36472	5.00000	5.0	80.00- 120.00	100.00
6.140	6.138 (1.005)		141	31248			66.11- 126.11	85.68
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.244	6.241 (1.022)		142	33180	5.00000	4.9	80.00- 120.00	100.00
6.244	6.241 (1.022)		141	29403			64.49- 124.49	88.62
	5 Acenaphthylene					CAS #: 208-96-8		
7.018	7.015 (1.149)		152	55310	5.00000	5.3	80.00- 120.00	100.00
7.018	7.015 (1.149)		151	10803			0.00- 41.18	19.53
	6 Acenaphthene					CAS #: 83-32-9		
7.195	7.193 (1.178)		153	35635	5.00000	5.0	80.00- 120.00	100.00

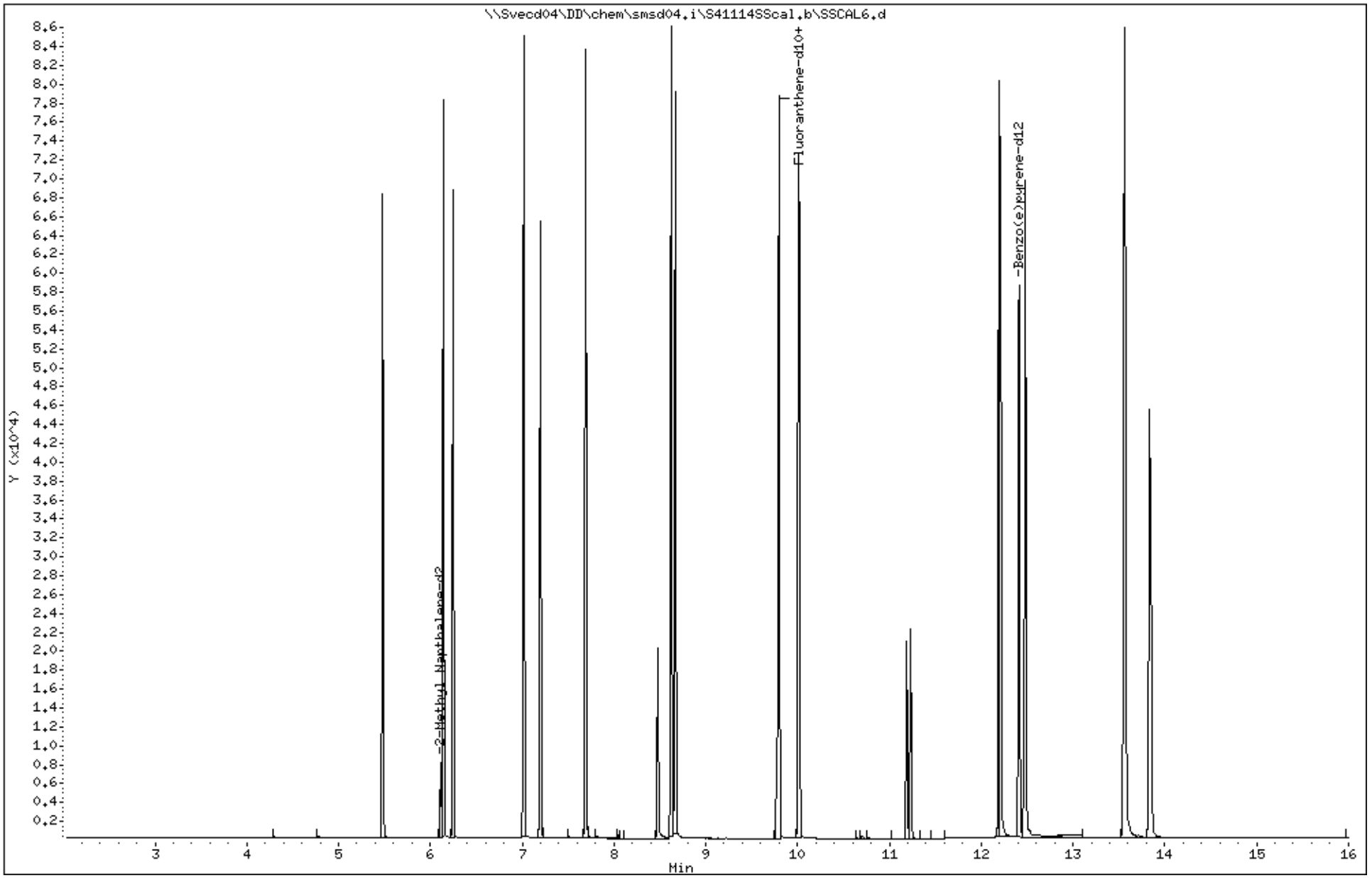
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
6 Acenaphthene (continued)								
7.195	7.193 (1.178)		152	17071			13.30- 73.30	47.91
7 Fluorene						CAS #: 86-73-7		
7.692	7.690 (1.259)		166	42221	5.00000	5.0	80.00- 120.00	100.00
7.692	7.690 (1.259)		165	39353			61.41- 121.41	93.21
8 Pentachlorophenol						CAS #: 87-86-5		
8.476	8.474 (0.867)		266	12265	10.0000	9.5	80.00- 120.00	100.00
8.476	8.474 (0.867)		264	7912			39.89- 99.89	64.51
9 Phenanthrene						CAS #: 85-01-8		
8.622	8.619 (0.882)		178	61242	5.00000	5.1	80.00- 120.00	100.00
8.622	8.619 (0.882)		176	11633			0.00- 41.18	19.00
10 Anthracene						CAS #: 120-12-7		
8.666	8.663 (0.886)		178	58628	5.00000	5.4	80.00- 120.00	100.00
8.666	8.663 (0.886)		176	10685			0.00- 39.42	18.23
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.780	9.777 (1.000)		212	8433	0.80000		80.00- 120.00	100.00
9.772	9.777 (1.000)		106	1037			0.00- 44.41	12.30
12 Fluoranthene						CAS #: 206-44-0		
9.796	9.793 (1.002)		202	65908	5.00000	4.9	80.00- 120.00	100.00
9.788	9.793 (1.001)		101	6830			0.00- 30.00	10.36
13 Pyrene						CAS #: 129-00-0		
10.010	10.015 (1.024)		202	68623	5.00000	5.0	80.00- 120.00	100.00
10.010	10.015 (1.024)		101	8420			0.00- 36.40	12.27
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.190	11.188 (1.144)		226	16499	5.00000	5.4	80.00- 120.00	100.00
11.190	11.188 (1.144)		200	2483			0.00- 30.00	15.05
15 Chrysene						CAS #: 218-01-9		
11.232	11.229 (1.148)		226	18320	5.00000	5.1	80.00- 120.00	100.00
11.232	11.229 (1.148)		200	2666			0.00- 30.00	14.55
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.193	12.190 (1.247)		252	61589	5.00000	4.8	80.00- 120.00	100.00
12.193	12.190 (1.247)		250	14564			0.00- 47.79	23.65
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.217	12.214 (1.249)		252	83767	5.00000	5.8	80.00- 120.00	100.00
12.209	12.214 (1.248)		250	17705			0.00- 56.48	21.14
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.415	12.405 (1.269)		264	60117	5.00000	5.2	80.00- 120.00	100.00
12.407	12.405 (1.269)		132	7597			0.00- 36.00	12.64
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.479	12.476 (1.276)		252	57471	5.00000	5.4	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
19 Benzo[a]pyrene (continued)								
12.479	12.476	(1.276)	250	13405			0.00- 40.19	23.32
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.560	13.550	(1.387)	276	65007	5.00000	5.3	80.00- 120.00	100.00
13.560	13.550	(1.387)	138	13653			0.00- 37.88	21.00
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.568	13.566	(1.387)	278	53200	5.00000	5.3	80.00- 120.00	100.00
13.560	13.566	(1.387)	138	13712			0.00- 38.19	25.77
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	55135	5.00000	5.1	80.00- 120.00	100.00
13.839	13.836	(1.415)	138	9888			0.00- 30.00	17.93

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL6.d
Date : 14-NOV-2012 20:14
Client ID: SSCAL6
Sample Info: 47783

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

280



3507601

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL5.d
Lab Smp Id: 47784 Client Smp ID: SSCAL5
Inj Date : 14-NOV-2012 20:35 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47784
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 20:35 Cal File: SSCAL5.d
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.481	5.478 (0.897)		128	10172	1.00000	0.95	80.00- 120.00	100.00
5.481	5.478 (0.897)		129	1105			0.00- 30.00	10.86
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.108	6.106 (1.000)		152	5042	0.80000		80.00- 120.00	100.00
6.108	6.106 (1.000)		122	2295			13.59- 73.59	45.52
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.140	6.138 (1.005)		142	6920	1.00000	0.96	80.00- 120.00	100.00
6.140	6.138 (1.005)		141	5929			66.11- 126.11	85.68
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.243	6.241 (1.022)		142	6374	1.00000	0.97	80.00- 120.00	100.00
6.243	6.241 (1.022)		141	5701			64.49- 124.49	89.44
	5 Acenaphthylene					CAS #: 208-96-8		
7.018	7.015 (1.149)		152	10120	1.00000	0.98	80.00- 120.00	100.00
7.018	7.015 (1.149)		151	1979			0.00- 41.18	19.56
	6 Acenaphthene					CAS #: 83-32-9		
7.195	7.193 (1.178)		153	6946	1.00000	0.98	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	6 Acenaphthene (continued)							
7.195	7.193 (1.178)		152	3270			13.30- 73.30	47.08
	7 Fluorene					CAS #: 86-73-7		
7.685	7.690 (1.258)		166	8083	1.00000	0.97	80.00- 120.00	100.00
7.685	7.690 (1.258)		165	7500			61.41- 121.41	92.79
	8 Pentachlorophenol					CAS #: 87-86-5		
8.476	8.474 (0.867)		266	7696	7.00000	6.3	80.00- 120.00	100.00
8.476	8.474 (0.867)		264	4838			39.89- 99.89	62.86
	9 Phenanthrene					CAS #: 85-01-8		
8.622	8.619 (0.882)		178	11963	1.00000	0.96	80.00- 120.00	100.00
8.622	8.619 (0.882)		176	2279			0.00- 41.18	19.05
	10 Anthracene					CAS #: 120-12-7		
8.665	8.663 (0.886)		178	10691	1.00000	0.95	80.00- 120.00	100.00
8.665	8.663 (0.886)		176	1974			0.00- 39.42	18.46
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.780	9.777 (1.000)		212	8726	0.80000		80.00- 120.00	100.00
9.772	9.777 (1.000)		106	1048			0.00- 44.41	12.01
	12 Fluoranthene					CAS #: 206-44-0		
9.796	9.793 (1.002)		202	12940	1.00000	0.93	80.00- 120.00	100.00
9.788	9.793 (1.001)		101	1354			0.00- 30.00	10.46
	13 Pyrene					CAS #: 129-00-0		
10.010	10.015 (1.024)		202	13458	1.00000	0.95	80.00- 120.00	100.00
10.010	10.015 (1.024)		101	1701			0.00- 36.40	12.64
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.190	11.188 (1.144)		226	3092	1.00000	0.98	80.00- 120.00	100.00
11.183	11.188 (1.144)		200	458			0.00- 30.00	14.81
	15 Chrysene					CAS #: 218-01-9		
11.232	11.229 (1.148)		226	3475	1.00000	0.94	80.00- 120.00	100.00
11.225	11.229 (1.148)		200	522			0.00- 30.00	15.02
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.193	12.190 (1.247)		252	12670	1.00000	0.96	80.00- 120.00	100.00
12.193	12.190 (1.247)		250	3049			0.00- 47.79	24.06
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.209	12.214 (1.248)		252	14032	1.00000	0.94	80.00- 120.00	100.00(M)
12.209	12.214 (1.248)		250	2849			0.00- 56.48	20.30
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.407	12.405 (1.269)		264	11344	1.00000	0.94	80.00- 120.00	100.00
12.407	12.405 (1.269)		132	1485			0.00- 36.00	13.09
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.479	12.476 (1.276)		252	10616	1.00000	0.96	80.00- 120.00	100.00

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.471	12.476	(1.275)	250	2477			0.00- 40.19	23.33
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.552	13.550	(1.386)	276	11747	1.00000	0.92	80.00- 120.00	100.00
13.552	13.550	(1.386)	138	2495			0.00- 37.88	21.24
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.560	13.566	(1.387)	278	9672	1.00000	0.93	80.00- 120.00	100.00
13.552	13.566	(1.386)	138	2549			0.00- 38.19	26.35
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	10165	1.00000	0.91	80.00- 120.00	100.00
13.839	13.836	(1.415)	138	1838			0.00- 30.00	18.08

QC Flag Legend

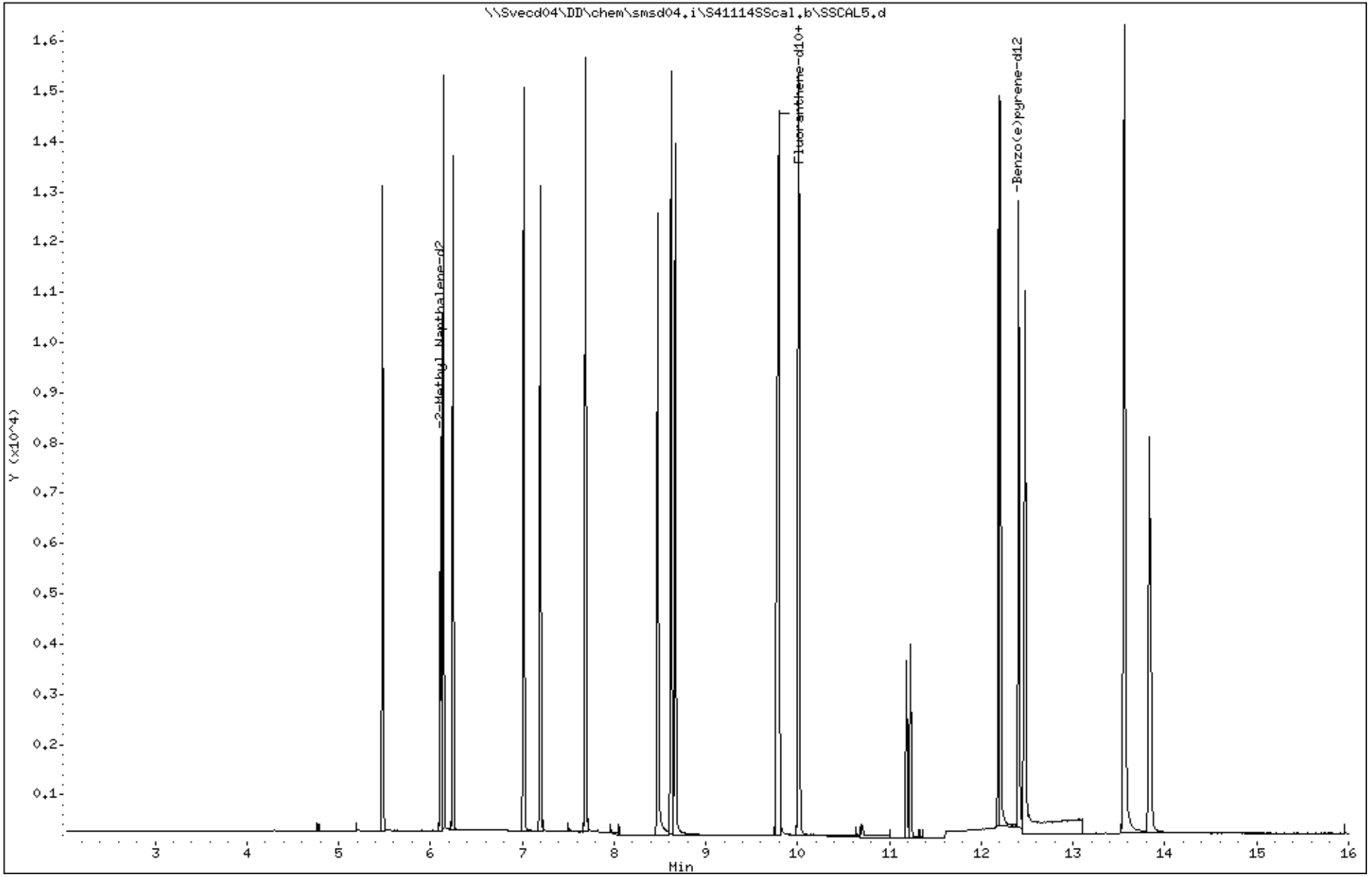
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL5.d
Date : 14-NOV-2012 20:35
Client ID: SSCAL5
Sample Info: 47784

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

284



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL4.d
Lab Smp Id: 47785 Client Smp ID: SSCAL4
Inj Date : 14-NOV-2012 20:56 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47785
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 20:56 Cal File: SSCAL4.d
Als bottle: 14 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.481	5.478 (0.897)	128	5200	0.50000		0.45	80.00- 120.00	100.00
	5.481	5.478 (0.897)	129	574				0.00- 30.00	11.04
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.108	6.106 (1.000)	152	5143	0.80000			80.00- 120.00	100.00
	6.108	6.106 (1.000)	122	2354				13.59- 73.59	45.77
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.140	6.138 (1.005)	142	3537	0.50000		0.48	80.00- 120.00	100.00
	6.140	6.138 (1.005)	141	3047				66.11- 126.11	86.15
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.244	6.241 (1.022)	142	3235	0.50000		0.48	80.00- 120.00	100.00
	6.244	6.241 (1.022)	141	2875				64.49- 124.49	88.87
	5 Acenaphthylene						CAS #: 208-96-8		
	7.018	7.015 (1.149)	152	5091	0.50000		0.48	80.00- 120.00	100.00
	7.018	7.015 (1.149)	151	1009				0.00- 41.18	19.82
	6 Acenaphthene						CAS #: 83-32-9		
	7.195	7.193 (1.178)	153	3526	0.50000		0.49	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
	6 Acenaphthene (continued)							
7.195	7.193	(1.178)	152	1689			13.30- 73.30	47.90
	7 Fluorene					CAS #: 86-73-7		
7.685	7.690	(1.258)	166	4209	0.50000	0.49	80.00- 120.00	100.00
7.685	7.690	(1.258)	165	3905			61.41- 121.41	92.78
	8 Pentachlorophenol					CAS #: 87-86-5		
8.476	8.474	(0.867)	266	5491	5.00000	4.6	80.00- 120.00	100.00
8.476	8.474	(0.867)	264	3461			39.89- 99.89	63.03
	9 Phenanthrene					CAS #: 85-01-8		
8.622	8.619	(0.882)	178	6320	0.50000	0.46	80.00- 120.00	100.00
8.622	8.619	(0.882)	176	1207			0.00- 41.18	19.10
	10 Anthracene					CAS #: 120-12-7		
8.666	8.663	(0.886)	178	5495	0.50000	0.45	80.00- 120.00	100.00
8.666	8.663	(0.886)	176	999			0.00- 39.42	18.18
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.780	9.777	(1.000)	212	9469	0.80000		80.00- 120.00	100.00
9.772	9.777	(1.000)	106	1150			0.00- 44.41	12.14
	12 Fluoranthene					CAS #: 206-44-0		
9.796	9.793	(1.002)	202	7115	0.50000	0.47	80.00- 120.00	100.00
9.788	9.793	(1.001)	101	728			0.00- 30.00	10.23
	13 Pyrene					CAS #: 129-00-0		
10.010	10.015	(1.024)	202	7248	0.50000	0.47	80.00- 120.00	100.00
10.010	10.015	(1.024)	101	932			0.00- 36.40	12.86
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.190	11.188	(1.144)	226	1664	0.50000	0.49	80.00- 120.00	100.00
11.190	11.188	(1.144)	200	252			0.00- 30.00	15.14
	15 Chrysene					CAS #: 218-01-9		
11.232	11.229	(1.148)	226	2005	0.50000	0.50	80.00- 120.00	100.00
11.225	11.229	(1.148)	200	284			0.00- 30.00	14.16
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.193	12.190	(1.247)	252	7093	0.50000	0.49	80.00- 120.00	100.00
12.193	12.190	(1.247)	250	1695			0.00- 47.79	23.90
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.209	12.214	(1.248)	252	7717	0.50000	0.48	80.00- 120.00	100.00(M)
12.209	12.214	(1.248)	250	1555			0.00- 56.48	20.15
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.407	12.405	(1.269)	264	6434	0.50000	0.49	80.00- 120.00	100.00
12.407	12.405	(1.269)	132	816			0.00- 36.00	12.68
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.479	12.476	(1.276)	252	5746	0.50000	0.48	80.00- 120.00	100.00

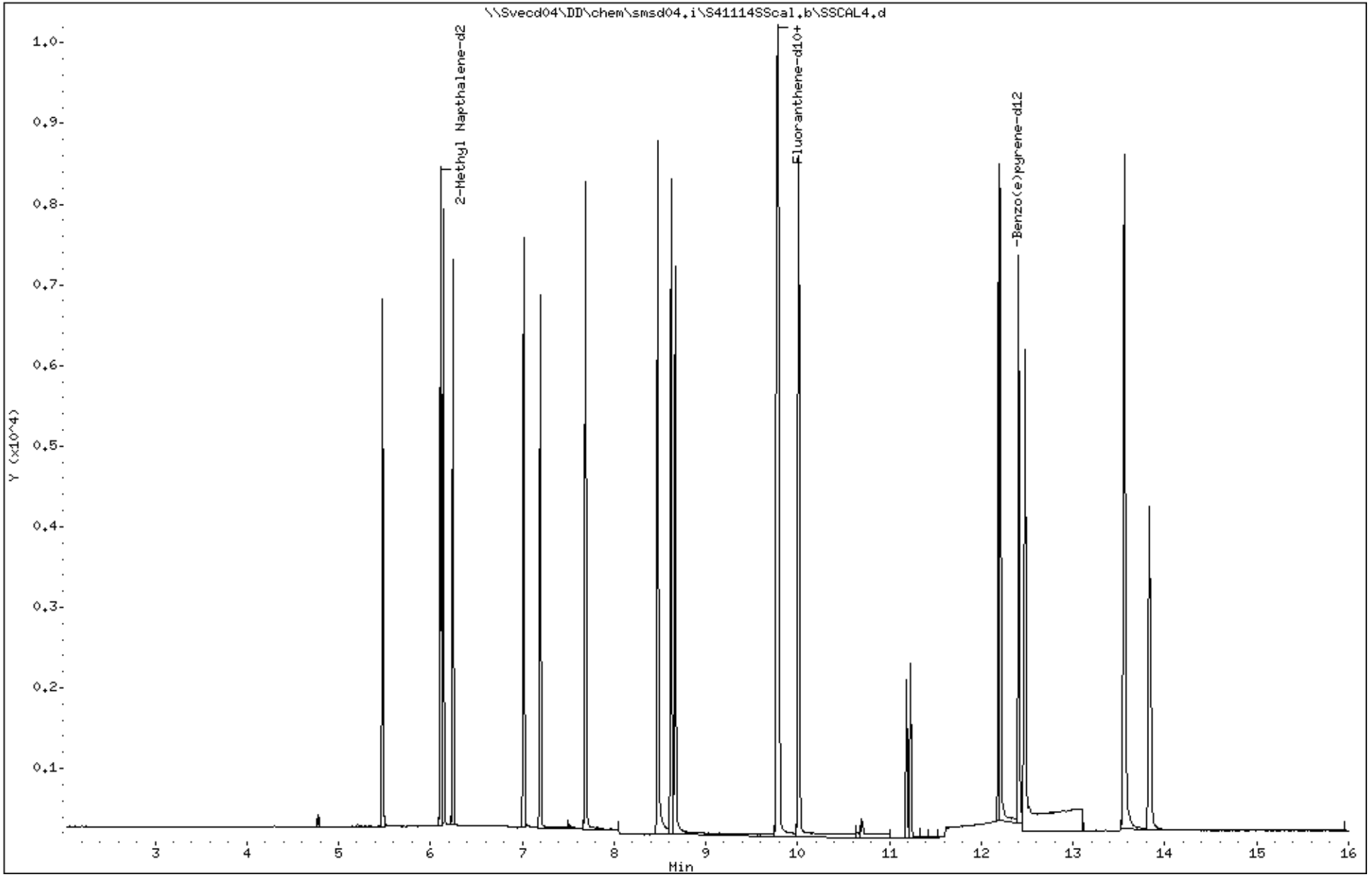
					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.471	12.476	(1.275)	250	1332			0.00- 40.19	23.18
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.553	13.550	(1.386)	276	6439	0.50000	0.47	80.00- 120.00	100.00
13.553	13.550	(1.386)	138	1356			0.00- 37.88	21.06
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.560	13.566	(1.387)	278	5270	0.50000	0.47	80.00- 120.00	100.00
13.553	13.566	(1.386)	138	1331			0.00- 38.19	25.26
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	5412	0.50000	0.45	80.00- 120.00	100.00
13.831	13.836	(1.414)	138	983			0.00- 30.00	18.16

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL4.d
Date : 14-NOV-2012 20:56
Client ID: SSCAL4
Sample Info: 47785

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL3.d
Lab Smp Id: 47786 Client Smp ID: SSCAL3
Inj Date : 14-NOV-2012 21:17 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47786
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:17 Cal File: SSCAL3.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
1 Naphthalene						CAS #: 91-20-3		
5.480	5.478 (0.897)		128	1049	0.10000	0.095	80.00- 120.00	100.00
5.480	5.478 (0.897)		129	116			0.00- 30.00	11.06
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.108	6.106 (1.000)		152	5052	0.80000		80.00- 120.00	100.00
6.108	6.106 (1.000)		122	2353			13.59- 73.59	46.58
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.140	6.138 (1.005)		142	714	0.10000	0.099	80.00- 120.00	100.00
6.140	6.138 (1.005)		141	607			66.11- 126.11	85.01
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.243	6.241 (1.022)		142	657	0.10000	0.099	80.00- 120.00	100.00
6.243	6.241 (1.022)		141	578			64.49- 124.49	87.98
5 Acenaphthylene						CAS #: 208-96-8		
7.018	7.015 (1.149)		152	983	0.10000	0.095	80.00- 120.00	100.00
7.018	7.015 (1.149)		151	194			0.00- 41.18	19.74
6 Acenaphthene						CAS #: 83-32-9		
7.195	7.193 (1.178)		153	712	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
6 Acenaphthene (continued)								
7.195	7.193 (1.178)		152	328			13.30- 73.30	46.07
7 Fluorene						CAS #: 86-73-7		
7.692	7.690 (1.259)		166	838	0.10000	0.10	80.00- 120.00	100.00
7.685	7.690 (1.258)		165	769			61.41- 121.41	91.77
8 Pentachlorophenol						CAS #: 87-86-5		
8.476	8.474 (0.867)		266	1537	2.00000	2.3	80.00- 120.00	100.00
8.476	8.474 (0.867)		264	972			39.89- 99.89	63.24
9 Phenanthrene						CAS #: 85-01-8		
8.622	8.619 (0.882)		178	1252	0.10000	0.097	80.00- 120.00	100.00
8.622	8.619 (0.882)		176	238			0.00- 41.18	19.01
10 Anthracene						CAS #: 120-12-7		
8.665	8.663 (0.886)		178	1102	0.10000	0.095	80.00- 120.00	100.00
8.665	8.663 (0.886)		176	194			0.00- 39.42	17.60
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.780	9.777 (1.000)		212	8996	0.80000		80.00- 120.00	100.00
9.772	9.777 (1.000)		106	1065			0.00- 44.41	11.84
12 Fluoranthene						CAS #: 206-44-0		
9.795	9.793 (1.002)		202	1422	0.10000	0.099	80.00- 120.00	100.00
9.787	9.793 (1.001)		101	162			0.00- 30.00	11.39
13 Pyrene						CAS #: 129-00-0		
10.010	10.015 (1.024)		202	1409	0.10000	0.096	80.00- 120.00	100.00
10.010	10.015 (1.024)		101	248			0.00- 36.40	17.60
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.190	11.188 (1.144)		226	303	0.10000	0.094	80.00- 120.00	100.00
11.183	11.188 (1.144)		200	43			0.00- 30.00	14.19
15 Chrysene						CAS #: 218-01-9		
11.232	11.229 (1.148)		226	369	0.10000	0.096	80.00- 120.00	100.00
11.225	11.229 (1.148)		200	53			0.00- 30.00	14.36
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.192	12.190 (1.247)		252	1262	0.10000	0.092	80.00- 120.00	100.00
12.192	12.190 (1.247)		250	301			0.00- 47.79	23.85
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.208	12.214 (1.248)		252	1419	0.10000	0.092	80.00- 120.00	100.00(M)
12.208	12.214 (1.248)		250	293			0.00- 56.48	20.65
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.407	12.405 (1.269)		264	1202	0.10000	0.097	80.00- 120.00	100.00
12.407	12.405 (1.269)		132	150			0.00- 36.00	12.48
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.479	12.476 (1.276)		252	1043	0.10000	0.092	80.00- 120.00	100.00

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
19 Benzo[a]pyrene (continued)								
12.471	12.476	(1.275)	250	247			0.00- 40.19	23.68
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.552	13.550	(1.386)	276	1215	0.10000	0.093	80.00- 120.00	100.00
13.552	13.550	(1.386)	138	249			0.00- 37.88	20.49
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.568	13.566	(1.387)	278	994	0.10000	0.093	80.00- 120.00	100.00
13.552	13.566	(1.386)	138	256			0.00- 38.19	25.75
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	1031	0.10000	0.090	80.00- 120.00	100.00
13.831	13.836	(1.414)	138	189			0.00- 30.00	18.33

QC Flag Legend

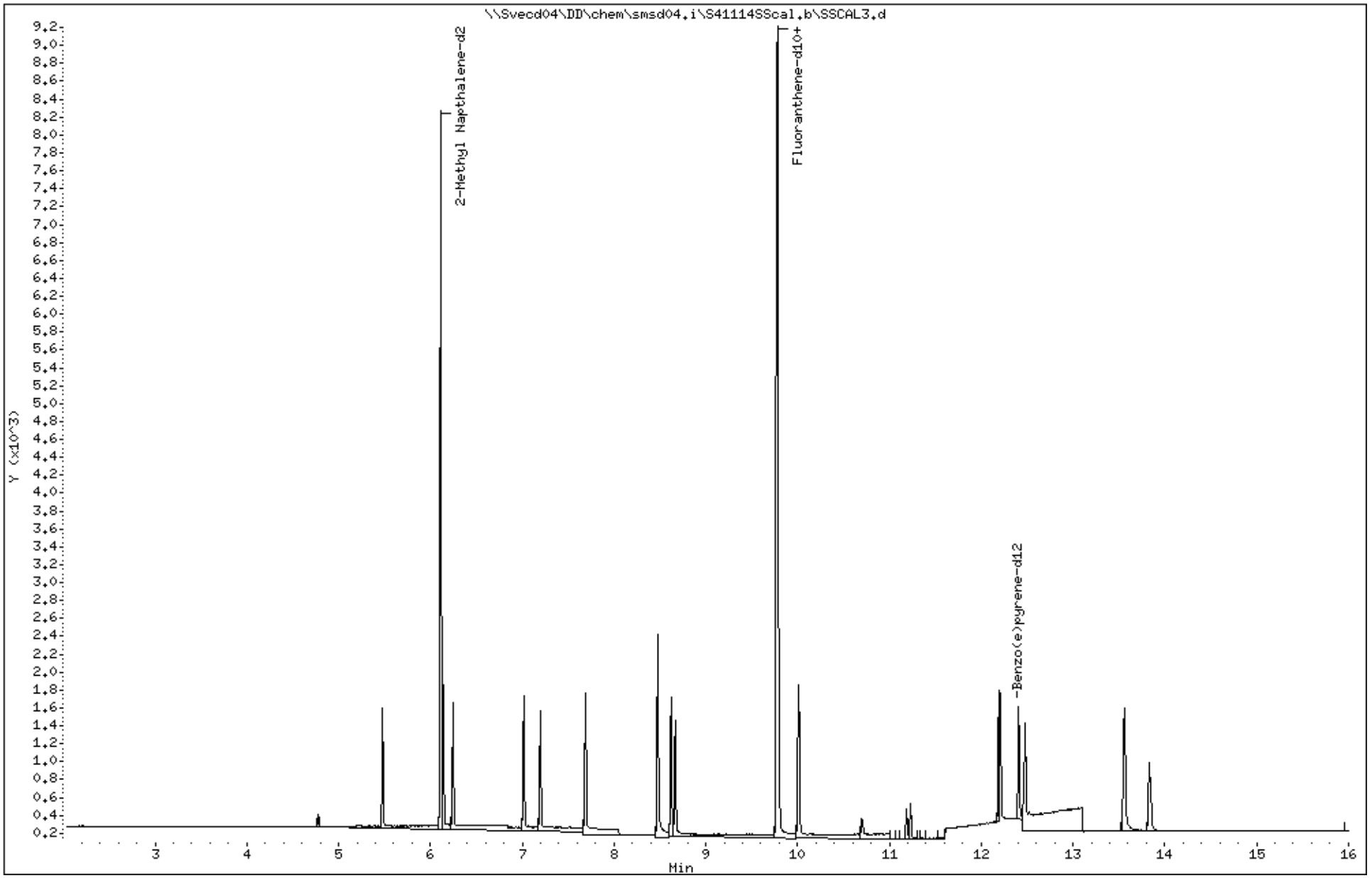
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL3.d
Date : 14-NOV-2012 21:17
Client ID: SSCAL3
Sample Info: 47786

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

292



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL2.d
Lab Smp Id: 47787 Client Smp ID: SSCAL2
Inj Date : 14-NOV-2012 21:38 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47787
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:38 Cal File: SSCAL2.d
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.481	5.478 (0.897)		128	530	0.05000	0.054	80.00- 120.00	100.00
5.481	5.478 (0.897)		129	60			0.00- 30.00	11.32
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.108	6.106 (1.000)		152	4892	0.80000		80.00- 120.00	100.00
6.108	6.106 (1.000)		122	2278			13.59- 73.59	46.57
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.140	6.138 (1.005)		142	354	0.05000	0.051	80.00- 120.00	100.00
6.140	6.138 (1.005)		141	307			66.11- 126.11	86.72
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.243	6.241 (1.022)		142	322	0.05000	0.050	80.00- 120.00	100.00
6.243	6.241 (1.022)		141	288			64.49- 124.49	89.44
	5 Acenaphthylene					CAS #: 208-96-8		
7.018	7.015 (1.149)		152	479	0.05000	0.048	80.00- 120.00	100.00
7.018	7.015 (1.149)		151	88			0.00- 41.18	18.37
	6 Acenaphthene					CAS #: 83-32-9		
7.195	7.193 (1.178)		153	338	0.05000	0.049	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
6 Acenaphthene (continued)								
7.195	7.193 (1.178)		152	164			13.30- 73.30	48.52
7 Fluorene						CAS #: 86-73-7		
7.685	7.690 (1.258)		166	395	0.05000	0.049	80.00- 120.00	100.00
7.685	7.690 (1.258)		165	359			61.41- 121.41	90.89
8 Pentachlorophenol						CAS #: 87-86-5		
8.476	8.474 (0.867)		266	656	1.00000	1.8	80.00- 120.00	100.00
8.476	8.474 (0.867)		264	414			39.89- 99.89	63.11
9 Phenanthrene						CAS #: 85-01-8		
8.622	8.619 (0.882)		178	587	0.05000	0.051	80.00- 120.00	100.00
8.622	8.619 (0.882)		176	109			0.00- 41.18	18.57
10 Anthracene						CAS #: 120-12-7		
8.665	8.663 (0.886)		178	514	0.05000	0.049	80.00- 120.00	100.00
8.665	8.663 (0.886)		176	85			0.00- 39.42	16.54
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.780	9.777 (1.000)		212	8075	0.80000		80.00- 120.00	100.00
9.772	9.777 (1.000)		106	987			0.00- 44.41	12.22
12 Fluoranthene						CAS #: 206-44-0		
9.796	9.793 (1.002)		202	633	0.05000	0.049	80.00- 120.00	100.00
9.788	9.793 (1.001)		101	85			0.00- 30.00	13.43
13 Pyrene						CAS #: 129-00-0		
10.010	10.015 (1.024)		202	667	0.05000	0.051	80.00- 120.00	100.00
10.010	10.015 (1.024)		101	154			0.00- 36.40	23.09
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.190	11.188 (1.144)		226	136	0.05000	0.047	80.00- 120.00	100.00
11.183	11.188 (1.144)		200	19			0.00- 30.00	13.97
15 Chrysene						CAS #: 218-01-9		
11.232	11.229 (1.148)		226	171	0.05000	0.050	80.00- 120.00	100.00
11.225	11.229 (1.148)		200	25			0.00- 30.00	14.62
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.193	12.190 (1.247)		252	577	0.05000	0.047	80.00- 120.00	100.00
12.193	12.190 (1.247)		250	135			0.00- 47.79	23.40
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.208	12.214 (1.248)		252	701	0.05000	0.051	80.00- 120.00	100.00(M)
12.208	12.214 (1.248)		250	132			0.00- 56.48	18.83
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.407	12.405 (1.269)		264	576	0.05000	0.052	80.00- 120.00	100.00
12.407	12.405 (1.269)		132	74			0.00- 36.00	12.85
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.479	12.476 (1.276)		252	500	0.05000	0.049	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
19 Benzo[a]pyrene (continued)								
12.479	12.476	(1.276)	250	125			0.00- 40.19	25.00
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.560	13.550	(1.387)	276	598	0.05000	0.051	80.00- 120.00	100.00
13.560	13.550	(1.387)	138	138			0.00- 37.88	23.08
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.568	13.566	(1.387)	278	479	0.05000	0.050	80.00- 120.00	100.00
13.560	13.566	(1.387)	138	138			0.00- 38.19	28.81
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	556	0.05000	0.054	80.00- 120.00	100.00
13.839	13.836	(1.415)	138	91			0.00- 30.00	16.37

QC Flag Legend

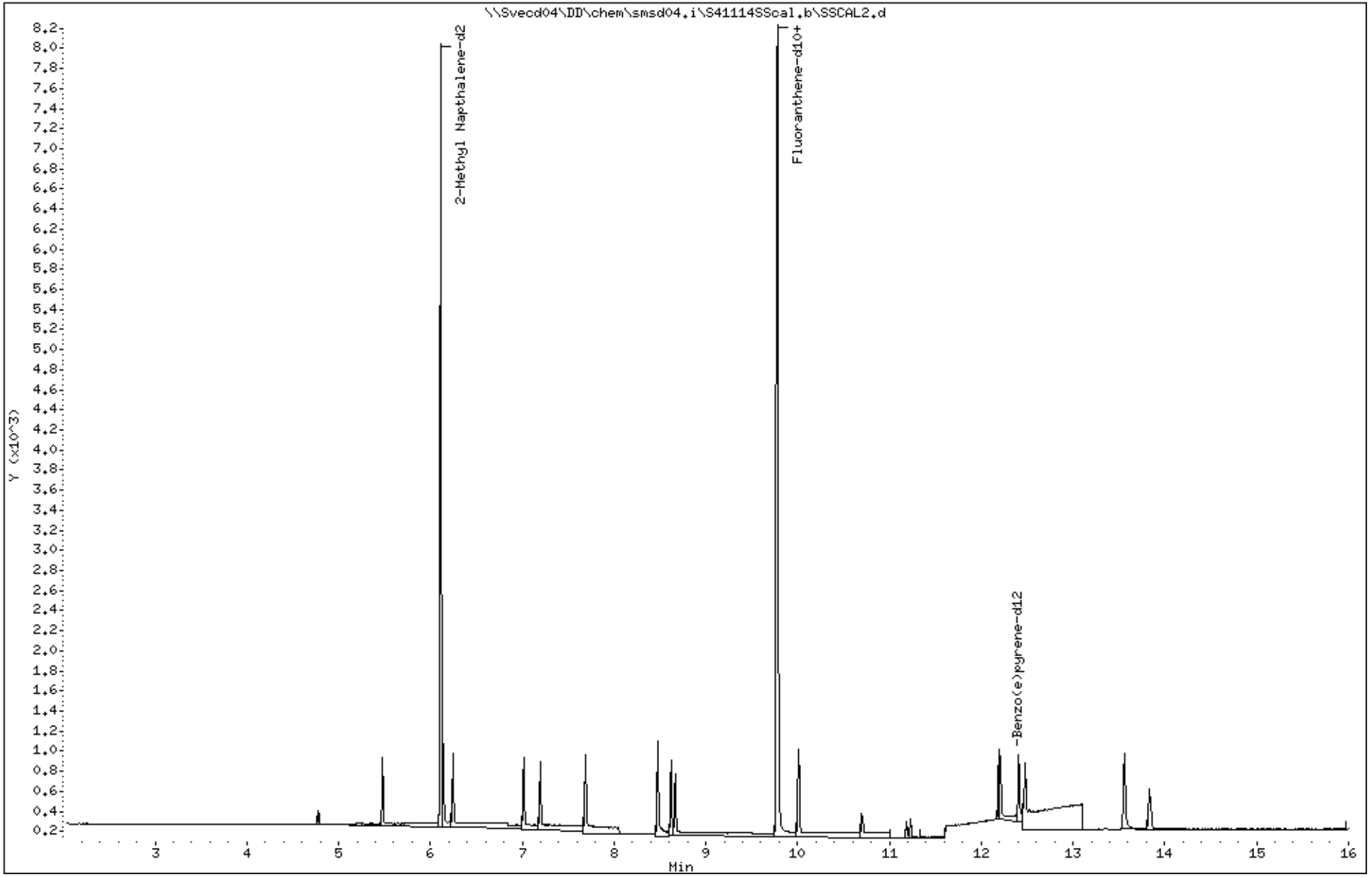
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL2.d
Date : 14-NOV-2012 21:38
Client ID: SSCAL2
Sample Info: 47787

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

296



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL1.d
Lab Smp Id: 47788 Client Smp ID: SSCAL1
Inj Date : 14-NOV-2012 21:58 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47788
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 17 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
1 Naphthalene						CAS #: 91-20-3		
5.480	5.478 (0.897)		128	212	0.02000	0.021	80.00- 120.00	100.00
5.480	5.478 (0.897)		129	27			0.00- 30.00	12.74
* 2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
6.108	6.106 (1.000)		152	4765	0.80000		80.00- 120.00	100.00
6.108	6.106 (1.000)		122	2205			13.59- 73.59	46.27
3 2-Methylnaphthalene						CAS #: 91-57-6		
6.140	6.138 (1.005)		142	143	0.02000	0.021	80.00- 120.00	100.00
6.140	6.138 (1.005)		141	123			66.11- 126.11	86.01
4 1-Methylnaphthalene						CAS #: 90-12-0		
6.243	6.241 (1.022)		142	135	0.02000	0.022	80.00- 120.00	100.00
6.243	6.241 (1.022)		141	118			64.49- 124.49	87.41
5 Acenaphthylene						CAS #: 208-96-8		
7.018	7.015 (1.149)		152	191	0.02000	0.020	80.00- 120.00	100.00
7.018	7.015 (1.149)		151	37			0.00- 41.18	19.37
6 Acenaphthene						CAS #: 83-32-9		
7.195	7.193 (1.178)		153	137	0.02000	0.020	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	6 Acenaphthene (continued)							
7.195	7.193 (1.178)		152	71			13.30- 73.30	51.82
	7 Fluorene					CAS #: 86-73-7		
7.685	7.690 (1.258)		166	164	0.02000	0.021	80.00- 120.00	100.00
7.685	7.690 (1.258)		165	158			61.41- 121.41	96.34
	8 Pentachlorophenol					CAS #: 87-86-5		
8.476	8.474 (0.867)		266	419	0.70000	1.7	80.00- 120.00	100.00
8.476	8.474 (0.867)		264	259			39.89- 99.89	61.81
	9 Phenanthrene					CAS #: 85-01-8		
8.622	8.619 (0.882)		178	256	0.02000	0.022	80.00- 120.00	100.00
8.614	8.619 (0.881)		176	47			0.00- 41.18	18.36
	10 Anthracene					CAS #: 120-12-7		
8.665	8.663 (0.886)		178	214	0.02000	0.020	80.00- 120.00	100.00
8.665	8.663 (0.886)		176	36			0.00- 39.42	16.82
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.780	9.777 (1.000)		212	8141	0.80000		80.00- 120.00	100.00
9.772	9.777 (1.000)		106	980			0.00- 44.41	12.04
	12 Fluoranthene					CAS #: 206-44-0		
9.795	9.793 (1.002)		202	296	0.02000	0.023	80.00- 120.00	100.00
9.788	9.793 (1.001)		101	47			0.00- 30.00	15.88
	13 Pyrene					CAS #: 129-00-0		
10.010	10.015 (1.024)		202	297	0.02000	0.022	80.00- 120.00	100.00
10.010	10.015 (1.024)		101	119			0.00- 36.40	40.07
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.190	11.188 (1.144)		226	55	0.02000	0.019	80.00- 120.00	100.00
11.225	11.188 (1.148)		200	10			0.00- 30.00	18.18
	15 Chrysene					CAS #: 218-01-9		
11.232	11.229 (1.148)		226	71	0.02000	0.020	80.00- 120.00	100.00
11.225	11.229 (1.148)		200	10			0.00- 30.00	14.08
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.193	12.190 (1.247)		252	245	0.02000	0.020	80.00- 120.00	100.00
12.193	12.190 (1.247)		250	67			0.00- 47.79	27.35
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.208	12.214 (1.248)		252	286	0.02000	0.020	80.00- 120.00	100.00(M)
12.208	12.214 (1.248)		250	62			0.00- 56.48	21.68
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.407	12.405 (1.269)		264	221	0.02000	0.020	80.00- 120.00	100.00
12.407	12.405 (1.269)		132	22			0.00- 36.00	9.95
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.479	12.476 (1.276)		252	198	0.02000	0.019	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
19 Benzo[a]pyrene (continued)								
12.471	12.476	(1.275)	250	58			0.00- 40.19	29.29
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.552	13.550	(1.386)	276	238	0.02000	0.020	80.00- 120.00	100.00
13.552	13.550	(1.386)	138	62			0.00- 37.88	26.05
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.560	13.566	(1.387)	278	197	0.02000	0.020	80.00- 120.00	100.00
13.552	13.566	(1.386)	138	50			0.00- 38.19	25.38
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.839	13.836	(1.415)	276	227	0.02000	0.022	80.00- 120.00	100.00
13.831	13.836	(1.414)	138	47			0.00- 30.00	20.70

QC Flag Legend

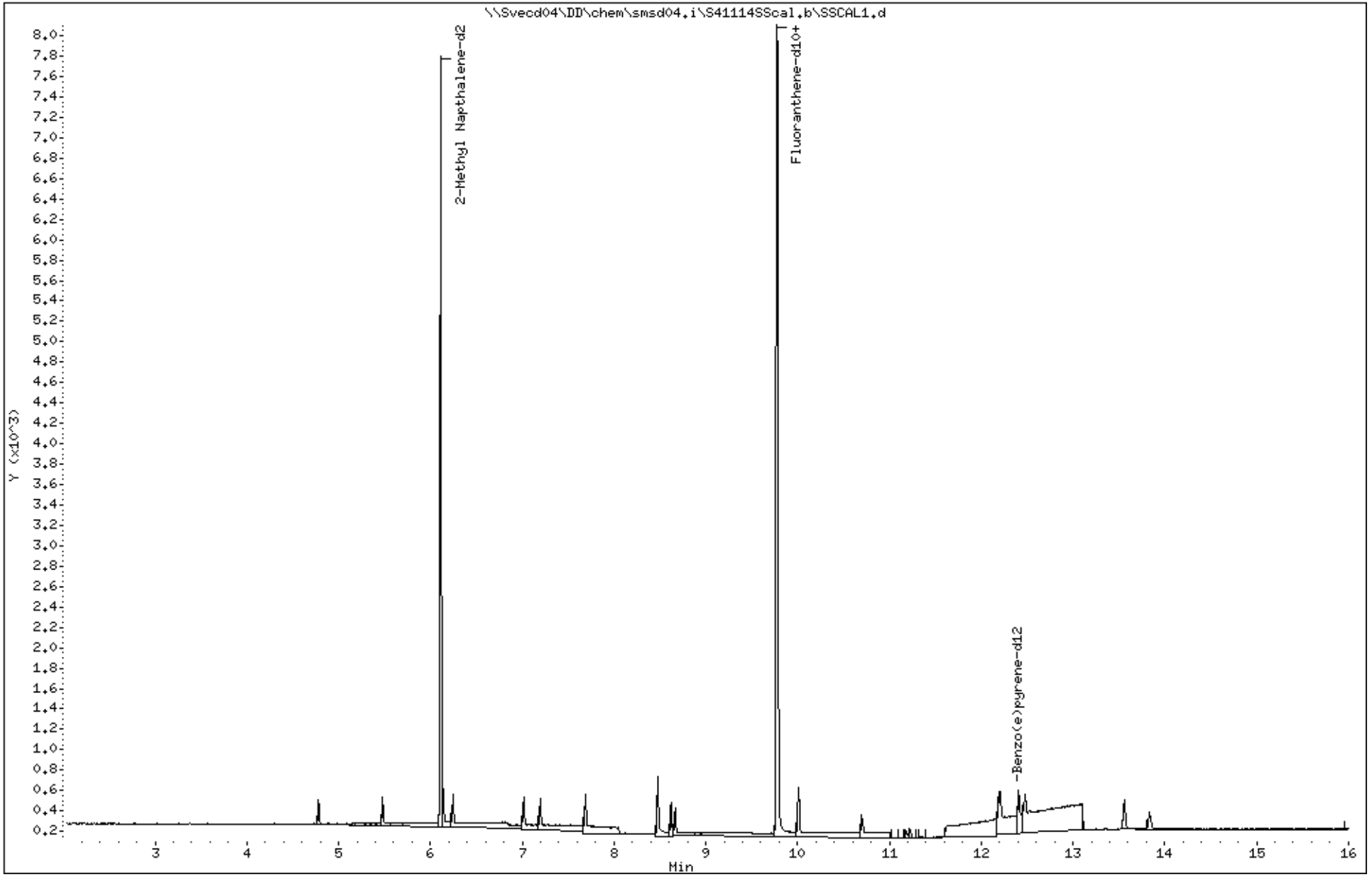
M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSCAL1.d
Date : 14-NOV-2012 21:58
Client ID: SSCAL1
Sample Info: 47788

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

300



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSSEC.d
Lab Smp Id: 47789 Client Smp ID: SSSEC
Inj Date : 14-NOV-2012 22:19 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47789
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SS8270.m
Meth Date : 27-Nov-2012 16:40 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
	1 Naphthalene					CAS #: 91-20-3		
5.478	5.478 (0.560)		128	4185	0.50000	0.49	80.00- 120.00	100.00(M)
5.481	5.478 (0.561)		129	0		0.00	0.00- 30.00	0.00
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.106	6.106 (1.000)		152	4113	0.80000		80.00- 120.00	100.00
6.106	6.106 (1.000)		122	1793			13.59- 73.59	43.59
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.138	6.138 (1.005)		142	2312	0.50000	0.39	80.00- 120.00	100.00
6.138	6.138 (1.005)		141	2222			66.11- 126.11	96.11
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.241	6.241 (1.022)		142	2396	0.50000	0.44	80.00- 120.00	100.00
6.241	6.241 (1.022)		141	2264			64.49- 124.49	94.49
	5 Acenaphthylene					CAS #: 208-96-8		
7.015	7.015 (1.149)		152	3944	0.50000	0.47	80.00- 120.00	100.00(M)
7.015	7.015 (1.149)		151	441			0.00- 41.18	11.18
	6 Acenaphthene					CAS #: 83-32-9		
7.193	7.193 (1.178)		153	2628	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
	6 Acenaphthene (continued)							
7.200	7.193 (1.179)		152	1138			13.30- 73.30	43.30
	7 Fluorene					CAS #: 86-73-7		
7.690	7.690 (1.259)		166	3364	0.50000	0.49	80.00- 120.00	100.00
7.690	7.690 (1.259)		165	3075			61.41- 121.41	91.41
	8 Pentachlorophenol					CAS #: 87-86-5		
8.474	8.474 (0.867)		266	3447	5.00000	4.1	80.00- 120.00	100.00
8.474	8.474 (0.867)		264	2409			39.89- 99.89	69.89
	9 Phenanthrene					CAS #: 85-01-8		
8.619	8.619 (0.882)		178	5615	0.50000	0.56	80.00- 120.00	100.00(M)
8.619	8.619 (0.882)		176	628			0.00- 41.18	11.18
	10 Anthracene					CAS #: 120-12-7		
8.663	8.663 (0.886)		178	4012	0.50000	0.44	80.00- 120.00	100.00(M)
8.663	8.663 (0.886)		176	378			0.00- 39.42	9.42
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.777	9.777 (1.000)		212	7011	0.80000		80.00- 120.00	100.00
9.777	9.777 (1.000)		106	1010			0.00- 44.41	14.41
	12 Fluoranthene					CAS #: 206-44-0		
9.793	9.793 (1.002)		202	5494	0.50000	0.49	80.00- 120.00	100.00(M)
9.796	9.793 (1.002)		101	0	0.00	0.00	0.00- 30.00	0.00
	13 Pyrene					CAS #: 129-00-0		
10.015	10.015 (1.024)		202	5033	0.50000	0.44	80.00- 120.00	100.00(M)
10.007	10.015 (1.024)		101	322			0.00- 36.40	6.40
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.188	11.188 (1.144)		226	1089	0.50000	0.43	80.00- 120.00	100.00(M)
11.191	11.188 (1.145)		200	0	0.00	0.00	0.00- 30.00	0.00
	15 Chrysene					CAS #: 218-01-9		
11.229	11.229 (1.149)		226	1411	0.50000	0.47	80.00- 120.00	100.00(M)
11.232	11.229 (1.149)		200	0	0.00	0.00	0.00- 30.00	0.00
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.190	12.190 (1.247)		252	4824	0.50000	0.45	80.00- 120.00	100.00
12.190	12.190 (1.247)		250	858			0.00- 47.79	17.79
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.214	12.214 (1.249)		252	5339	0.50000	0.44	80.00- 120.00	100.00(M)
12.206	12.214 (1.248)		250	1414			0.00- 56.48	26.48
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.405	12.405 (1.269)		264	5282	0.50000	0.54	80.00- 120.00	100.00(M)
12.405	12.405 (1.269)		132	317			0.00- 36.00	6.00
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.476	12.476 (1.276)		252	3914	0.50000	0.44	80.00- 120.00	100.00(M)

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	19 Benzo[a]pyrene (continued)							
12.476	12.476	(1.276)	250	399			0.00- 40.19	10.19
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.550	13.550	(1.386)	276	4292	0.50000	0.42	80.00- 120.00	100.00(M)
13.566	13.550	(1.387)	138	338			0.00- 37.88	7.88
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.566	13.566	(1.387)	278	4128	0.50000	0.49	80.00- 120.00	100.00(M)
13.566	13.566	(1.387)	138	338			0.00- 38.19	8.19
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.836	13.836	(1.415)	276	3966	0.50000	0.44	80.00- 120.00	100.00(M)
13.839	13.836	(1.415)	138	0	0.00	0.00	0.00- 30.00	0.00

QC Flag Legend

M - Compound response manually integrated.

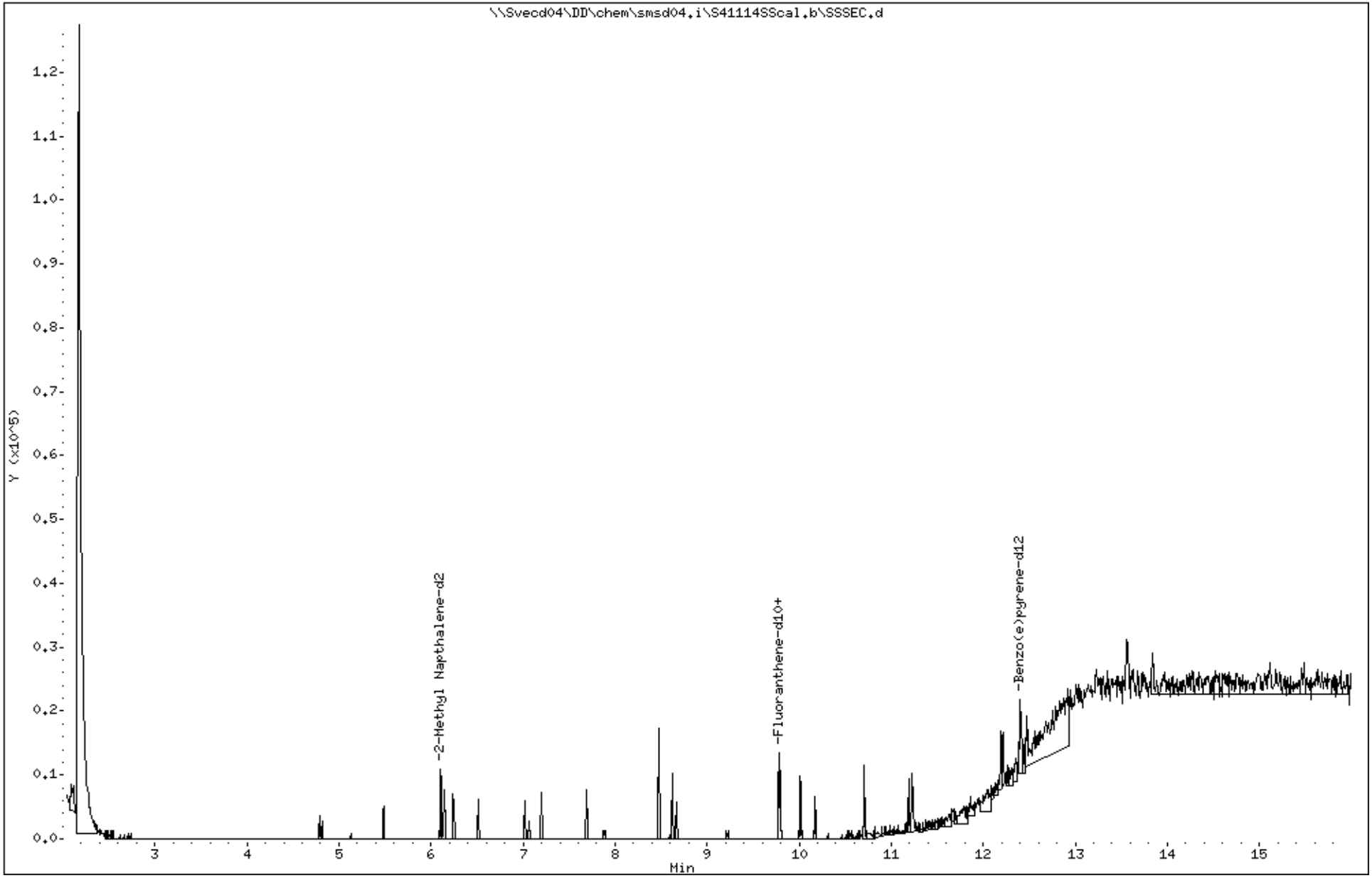
Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\SSSEC.d
Date : 14-NOV-2012 22:19
Client ID: SSSEC
Sample Info: 47789

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

304

3507601



Data File: DFTPP2.d
Report Date: 29-Nov-2012 10:14

PEL Laboratories, Inc.

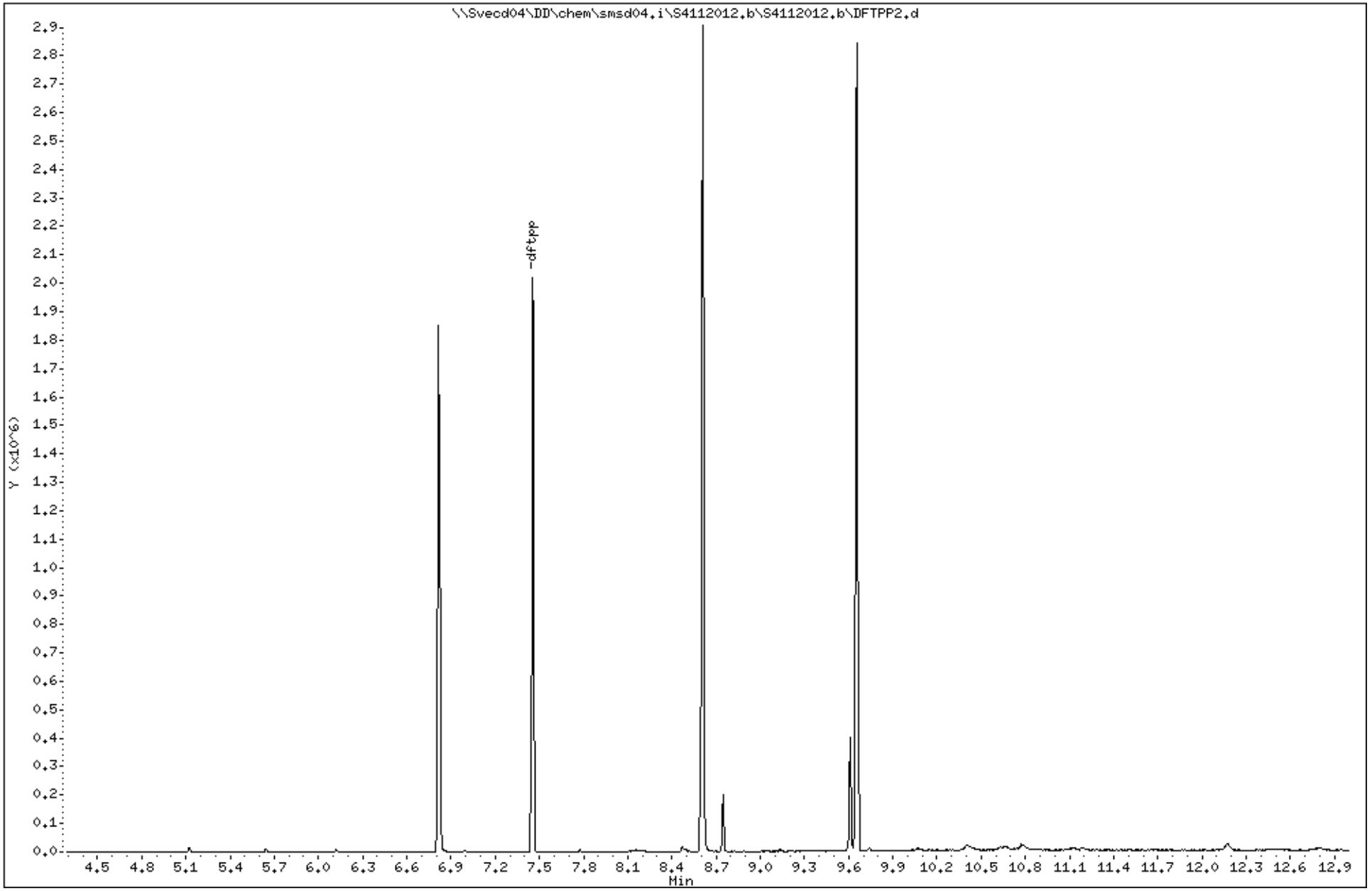
Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\DFTPP2.d
Lab Smp Id: 47137 Client Smp ID: DFTPP2
Inj Date : 20-NOV-2012 15:52 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47137
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\DoDTUN.m
Meth Date : 06-Aug-2012 11:47 Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 41 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: WETCHEMDX500

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		
7.453	7.410 (0.000)		198	184448			0.00- 100.00	100.00
7.453	7.410 (0.000)		51	82656			10.00- 80.00	44.81
7.453	7.410 (0.000)		68	0	0.0	0.0	0.00- 2.00	0.00
7.453	7.410 (0.000)		69	104752			0.00- 0.00	56.79
7.453	7.410 (0.000)		70	295			0.00- 2.00	0.28
7.453	7.410 (0.000)		127	91656			10.00- 80.00	49.69
7.453	7.410 (0.000)		197	0	0.0	0.0	0.00- 2.00	0.00
7.453	7.410 (0.000)		199	12551			5.00- 9.00	6.80
7.453	7.410 (0.000)		275	43640			10.00- 60.00	23.66
7.453	7.410 (0.000)		365	5740			1.00- 0.00	3.11
7.453	7.410 (0.000)		441	21440			0.01- 24.00	17.49
7.453	7.410 (0.000)		442	122568			50.00- 0.00	66.45
7.453	7.410 (0.000)		443	24616			15.00- 24.00	20.08

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\DFTPP2.d
Date : 20-NOV-2012 15:52
Client ID: DFTPP2 Instrument: smsd04.i
Sample Info: 47137
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



306

3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\DFTPP2.d

Date : 20-NOV-2012 15:52

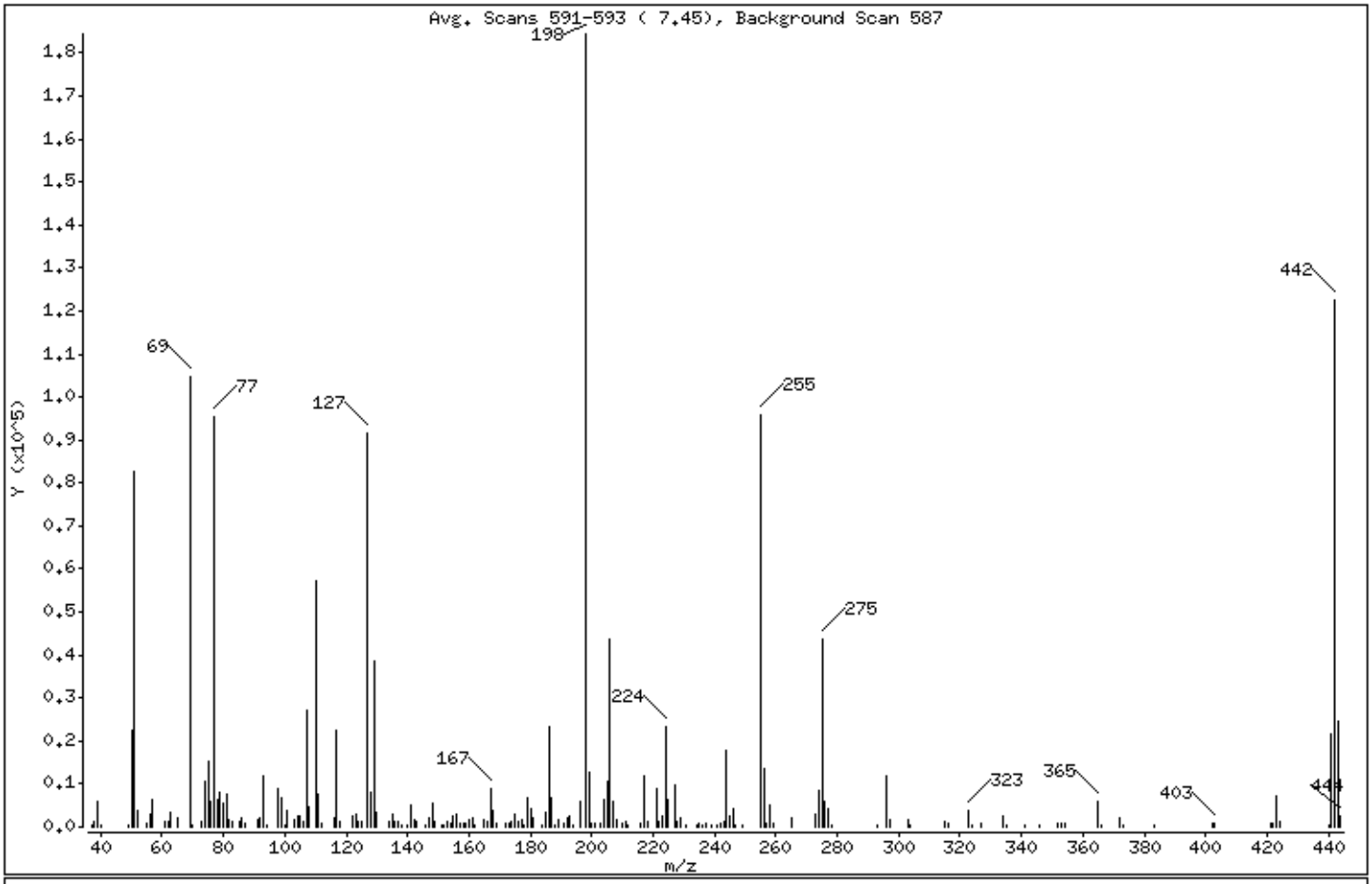
Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

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	44.81
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.79
70	Less than 2.00% of mass 69	0.16 (0.28)
127	10.00 - 80.00% of mass 198	49.69
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 60.00% of mass 198	23.66
365	Greater than 1.00% of mass 198	3.11
441	0.01 - 24.00% of mass 442	11.62 (17.49)
442	Greater than 50.00% of mass 198	66.45
443	15.00 - 24.00% of mass 442	13.35 (20.08)

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\DFTPP2.d

Date : 20-NOV-2012 15:52

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.d
Spectrum: Avg. Scans 591-593 (7.45), Background Scan 587
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	244	117.00	22648	181.00	2012	249.00	616
38.00	1113	118.00	1421	184.00	509	255.00	95768
39.00	5966	122.00	2542	185.00	3213	256.00	13416
40.00	236	123.00	3004	186.00	23488	257.00	948
49.00	250	124.00	1439	187.00	6993	258.00	5030
50.00	22536	125.00	1237	188.00	483	259.00	649
51.00	82656	127.00	91656	189.00	1550	265.00	2050
52.00	3935	128.00	7859	191.00	798	273.00	3159
55.00	784	129.00	38376	192.00	2067	274.00	8293
56.00	2980	130.00	3537	193.00	2405	275.00	43640
57.00	6405	134.00	1370	194.00	259	276.00	5881
61.00	1290	135.00	3103	196.00	5874	277.00	4041
62.00	1301	136.00	1361	198.00	184448	278.00	594
63.00	3426	137.00	1418	199.00	12551	293.00	577
65.00	1944	138.00	227	200.00	995	296.00	12021
69.00	104752	140.00	593	201.00	847	297.00	1678
70.00	295	141.00	4944	203.00	999	303.00	1531
73.00	1182	142.00	1742	204.00	6359	304.00	218
74.00	10411	143.00	1213	205.00	10702	315.00	1398
75.00	15224	146.00	626	206.00	43832	316.00	659
76.00	5793	147.00	2207	207.00	5853	323.00	3731
77.00	95432	148.00	5406	208.00	1668	324.00	588
78.00	6534	149.00	1071	210.00	727	327.00	665
79.00	8117	151.00	392	211.00	1281	334.00	2635
80.00	5544	152.00	304	212.00	217	335.00	634
81.00	7631	153.00	1282	216.00	932	341.00	226
82.00	1875	154.00	988	217.00	11688	346.00	254
83.00	1445	155.00	2480	218.00	1336	352.00	1038
85.00	1411	156.00	3081	221.00	9100	353.00	684
86.00	2177	157.00	773	222.00	1198	354.00	1005
87.00	1051	158.00	826	223.00	2671	365.00	5740
91.00	1840	159.00	848	224.00	23168	366.00	273
92.00	2018	160.00	1558	225.00	6333	372.00	2068
93.00	11901	161.00	1990	227.00	9563	373.00	252
94.00	550	162.00	285	228.00	1300	383.00	473

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\DFTPP2.d

Date : 20-NOV-2012 15:52

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.d
Spectrum: Avg. Scans 591-593 (7.45), Background Scan 587
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	9057	165.00	1821	229.00	2079	402.00	712
99.00	6752	166.00	1397	231.00	627	403.00	778
100.00	345	167.00	8888	234.00	549	421.00	815
101.00	3975	168.00	3609	235.00	644	422.00	1030
103.00	1695	169.00	730	236.00	525	423.00	7399
104.00	2461	172.00	818	237.00	934	424.00	1149
105.00	2496	173.00	928	239.00	239	440.00	248
106.00	1071	174.00	1483	241.00	374	441.00	21440
107.00	27296	175.00	3095	242.00	929	442.00	122568
108.00	4712	176.00	1105	243.00	1288	443.00	24616
110.00	57352	177.00	1816	244.00	17816	444.00	2709
111.00	7772	178.00	497	245.00	2661		
112.00	1057	179.00	6705	246.00	4189		
116.00	2081	180.00	4404	247.00	634		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/20/2012 16:07

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S4112012.b/DFTPP2.d

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/29/2012 10:14

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S4112012.b/S4112012.b/DFTPP2.d

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SSCAL4.d
Lab Smp Id: 47785 Client Smp ID: SSCAL4
Inj Date : 20-NOV-2012 16:10 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47785
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 42 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: WETCHEMDX500

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	1 Naphthalene					CAS #: 91-20-3		
5.470	5.478 (0.560)		128	4485	0.50000	0.40	80.00- 120.00	100.00(M)
5.481	5.478 (0.561)		129	0	0.00	0.00	0.00- 30.00	0.00
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.098	6.106 (1.000)		152	4675	0.80000		80.00- 120.00	100.00
6.098	6.106 (1.000)		122	1816			13.59- 73.59	38.86
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.130	6.138 (1.005)		142	3160	0.50000	0.47	80.00- 120.00	100.00
6.130	6.138 (1.005)		141	2884			66.11- 126.11	91.28
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.233	6.241 (1.022)		142	2740	0.50000	0.45	80.00- 120.00	100.00
6.233	6.241 (1.022)		141	2738			64.49- 124.49	99.93
	5 Acenaphthylene					CAS #: 208-96-8		
7.008	7.016 (1.149)		152	4436	0.50000	0.46	80.00- 120.00	100.00
7.008	7.016 (1.149)		151	787			0.00- 41.18	17.75

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
6 Acenaphthene						CAS #: 83-32-9		
7.186	7.193	(1.178)	153	2789	0.50000	0.43	80.00- 120.00	100.00
7.186	7.193	(1.178)	152	1684			13.30- 73.30	60.38
7 Fluorene						CAS #: 86-73-7		
7.675	7.690	(1.259)	166	3753	0.50000	0.48	80.00- 120.00	100.00
7.675	7.690	(1.259)	165	2998			61.41- 121.41	79.89
8 Pentachlorophenol						CAS #: 87-86-5		
8.466	8.474	(0.867)	266	5411	5.00000	4.7	80.00- 120.00	100.00
8.466	8.474	(0.867)	264	3562			39.89- 99.89	65.83
9 Phenanthrene						CAS #: 85-01-8		
8.612	8.619	(0.882)	178	5742	0.50000	0.44	80.00- 120.00	100.00
8.605	8.619	(0.882)	176	884			0.00- 41.18	15.40
10 Anthracene						CAS #: 120-12-7		
8.656	8.663	(0.887)	178	4815	0.50000	0.41	80.00- 120.00	100.00(M)
8.605	8.663	(0.882)	176	884			0.00- 39.42	18.36
* 11 Fluoranthene-d10						CAS #: 93951-69-0		
9.761	9.778	(1.000)	212	9127	0.80000		80.00- 120.00	100.00
9.761	9.778	(1.000)	106	1052			0.00- 44.41	11.53
12 Fluoranthene						CAS #: 206-44-0		
9.777	9.793	(1.002)	202	5869	0.50000	0.40	80.00- 120.00	100.00(M)
9.777	9.793	(1.002)	101	354			0.00- 30.00	6.05
13 Pyrene						CAS #: 129-00-0		
9.999	10.016	(1.024)	202	6822	0.50000	0.46	80.00- 120.00	100.00
9.999	10.016	(1.024)	101	960			0.00- 36.40	14.08
14 Benzo[a]anthracene						CAS #: 56-55-3		
11.181	11.188	(1.145)	226	1349	0.50000	0.41	80.00- 120.00	100.00(M)
11.191	11.188	(1.146)	200	0	0.00	0.00	0.00- 30.00	0.00
15 Chrysene						CAS #: 218-01-9		
11.215	11.230	(1.149)	226	1524	0.50000	0.39	80.00- 120.00	100.00(M)
11.232	11.230	(1.151)	200	0	0.00	0.00	0.00- 30.00	0.00
16 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.182	12.191	(1.248)	252	7306	0.50000	0.53	80.00- 120.00	100.00
12.182	12.191	(1.248)	250	1554			0.00- 47.79	21.28
17 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.198	12.214	(1.250)	252	7155	0.50000	0.46	80.00- 120.00	100.00
12.198	12.214	(1.250)	250	1774			0.00- 56.48	24.81
$ 18 Benzo(e)pyrene-d12						CAS #: 205440-82-0		
12.397	12.405	(1.270)	264	6300	0.50000	0.50	80.00- 120.00	100.00(M)
12.397	12.405	(1.270)	132	426			0.00- 36.00	6.78
19 Benzo[a]pyrene						CAS #: 50-32-8		
12.460	12.477	(1.277)	252	6081	0.50000	0.53	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
19 Benzo[a]pyrene (continued)								
12.460	12.477 (1.277)		250	1240			0.00- 40.19	20.41
20 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.534	13.550 (1.386)		276	5926	0.50000	0.44	80.00- 120.00	100.00(M)
13.542	13.550 (1.387)		138	1140			0.00- 37.88	19.24
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.550	13.566 (1.388)		278	5547	0.50000	0.51	80.00- 120.00	100.00(M)
13.542	13.566 (1.387)		138	1140			0.00- 38.19	20.55
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.812	13.837 (1.415)		276	6144	0.50000	0.53	80.00- 120.00	100.00(M)
13.812	13.837 (1.415)		138	352			0.00- 30.00	5.73

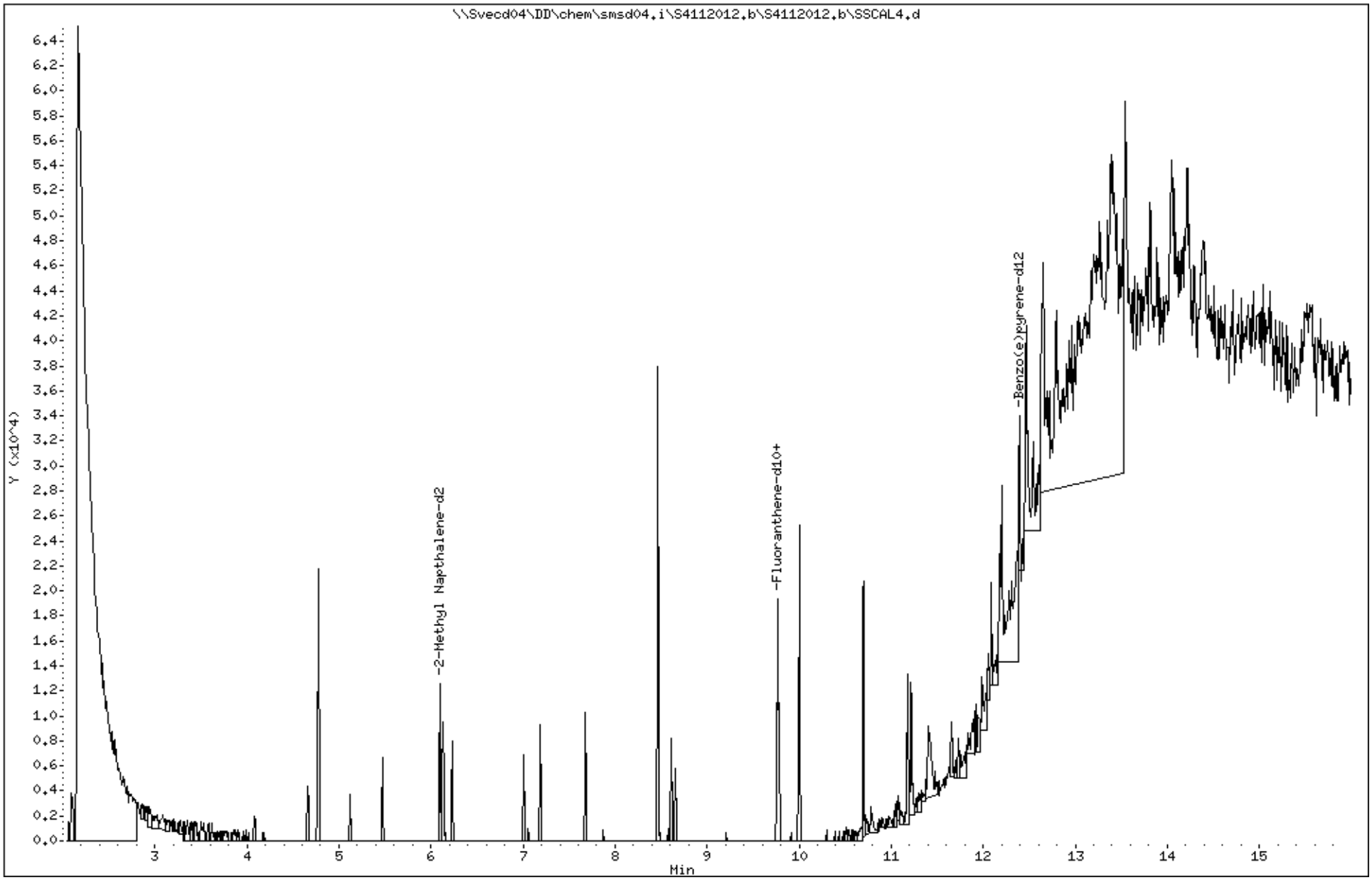
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SSCAL4.d
Date : 20-NOV-2012 16:10
Client ID: SSCAL4
Sample Info: 47785

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11582MB.d
Lab Smp Id: 153989MB Client Smp ID: 153989MB
Inj Date : 20-NOV-2012 18:22 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : sim153989mb
Misc Info : SIM153989MB/11582
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 21 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.820	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
* 2 2-Methyl Napthalene-d2							CAS #: 7927-45-2	
6.100	6.106 (1.000)		152	4182	0.80000		80.00- 120.00	100.00
6.093	6.106 (1.000)		122	1895			13.59- 73.59	45.31
* 11 Fluoranthene-d10							CAS #: 93951-69-0	
9.764	9.778 (1.000)		212	7553	0.80000		80.00- 120.00	100.00
9.764	9.778 (1.000)		106	913			0.00- 44.41	12.09
$ 18 Benzo(e)pyrene-d12							CAS #: 205440-82-0	
12.399	12.405 (1.270)		264	3385	0.32429	15.6	80.00- 120.00	100.00(M)
12.391	12.405 (1.269)		132	358			0.00- 36.00	10.58

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11582MB.d
Date : 20-NOV-2012 18:22
Client ID: 153989MB
Sample Info: sim153989mb

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

316

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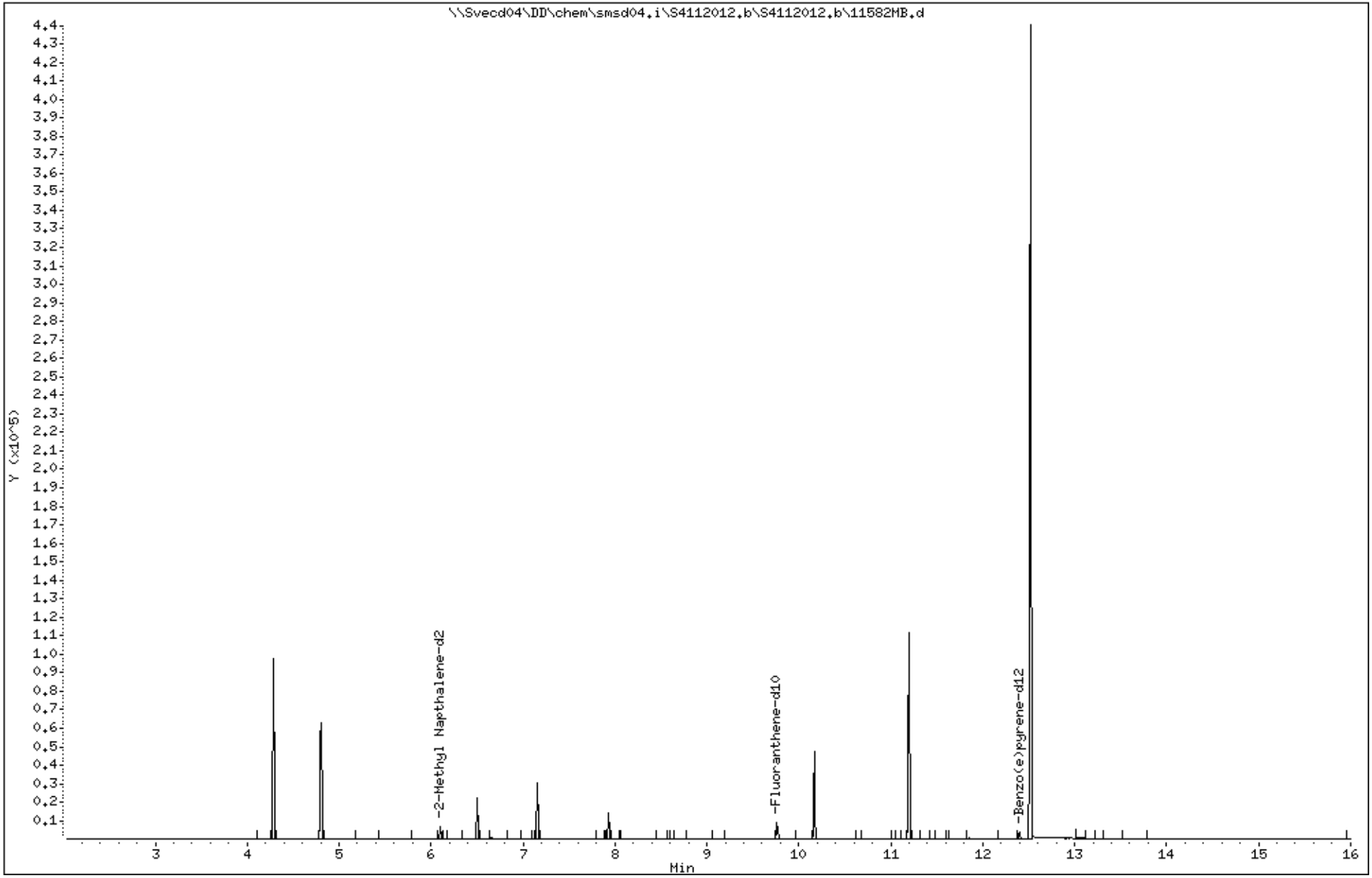


PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11582LCS.d
Lab Smp Id: 153990LCS Client Smp ID: 153990LCS
Inj Date : 20-NOV-2012 19:02 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : SIM153990LCS
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 23 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	20.190	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
	1 Naphthalene						CAS #: 91-20-3		
	5.465	5.478 (0.560)		128	3781	0.40889	20.2	80.00- 120.00	100.00
	5.465	5.478 (0.560)		129	413			0.00- 30.00	10.92
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.100	6.106 (1.000)		152	4051	0.80000		80.00- 120.00	100.00
	6.092	6.106 (1.000)		122	1816			13.59- 73.59	44.83
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.124	6.138 (1.004)		142	2567	0.44489	22.0	80.00- 120.00	100.00
	6.124	6.138 (1.004)		141	2177			66.11- 126.11	84.81
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.227	6.241 (1.021)		142	2262	0.42717	21.2	80.00- 120.00	100.00
	6.227	6.241 (1.021)		141	2009			64.49- 124.49	88.82
	5 Acenaphthylene						CAS #: 208-96-8		
	7.004	7.016 (1.148)		152	3968	0.48041	23.8	80.00- 120.00	100.00
	7.004	7.016 (1.148)		151	785			0.00- 41.18	19.78
	6 Acenaphthene						CAS #: 83-32-9		
	7.181	7.193 (1.177)		153	2554	0.45105	22.3	80.00- 120.00	100.00

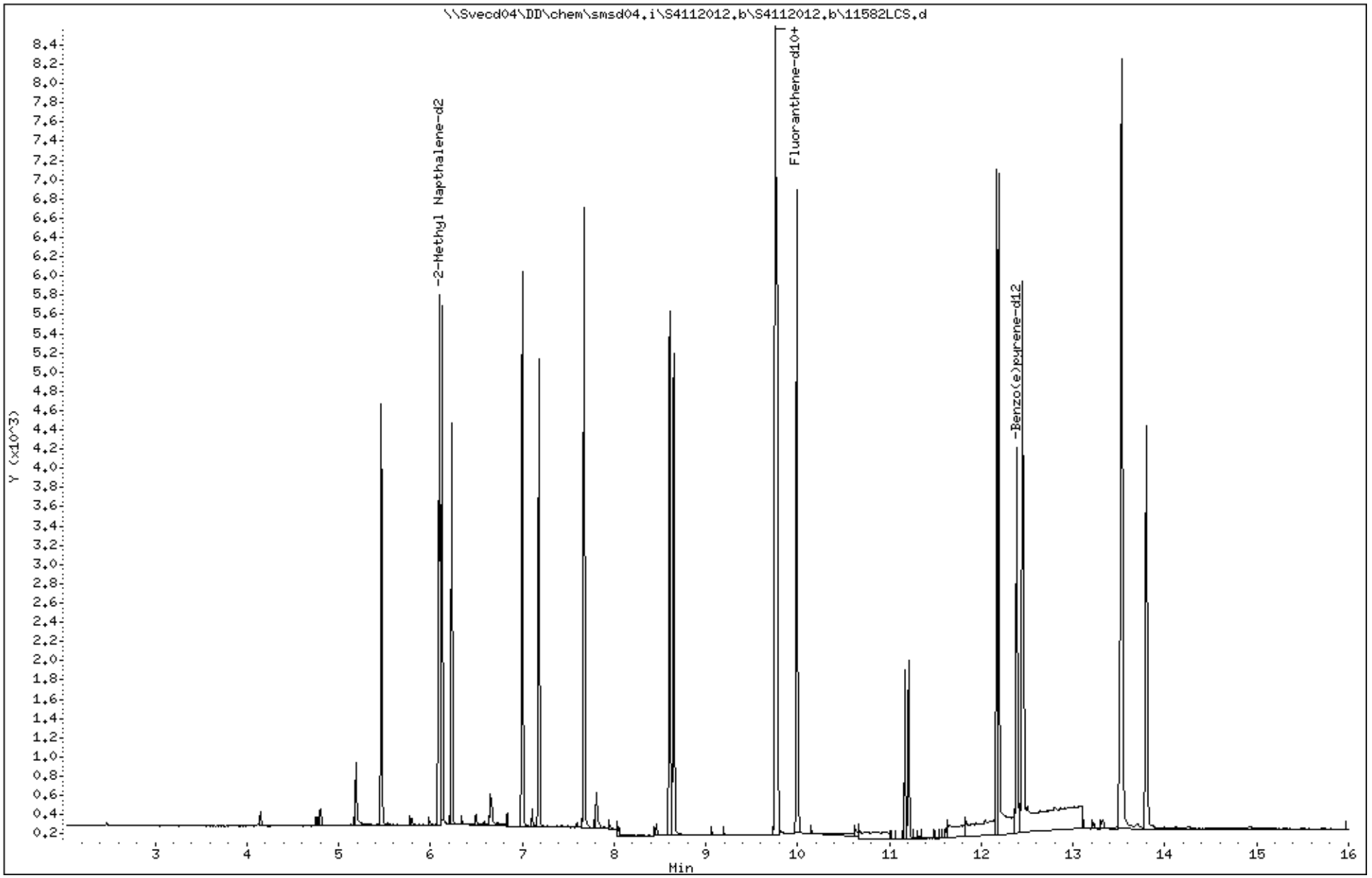
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
	6 Acenaphthene (continued)							
7.181	7.193	(1.177)	152	1228			13.30- 73.30	48.08
	7 Fluorene					CAS #: 86-73-7		
7.671	7.690	(1.257)	166	3108	0.46365	23.0	80.00- 120.00	100.00
7.671	7.690	(1.257)	165	2883			61.41- 121.41	92.76
	8 Pentachlorophenol					CAS #: 87-86-5		
8.462	8.474	(0.867)	266	85	1.44683	71.7	80.00- 120.00	100.00
8.462	8.474	(0.867)	264	47			39.89- 99.89	55.29
	9 Phenanthrene					CAS #: 85-01-8		
8.607	8.619	(0.882)	178	4748	0.43912	21.7	80.00- 120.00	100.00
8.600	8.619	(0.882)	176	893			0.00- 41.18	18.81
	10 Anthracene					CAS #: 120-12-7		
8.651	8.663	(0.887)	178	4325	0.44590	22.1	80.00- 120.00	100.00
8.644	8.663	(0.886)	176	801			0.00- 39.42	18.52
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.756	9.778	(1.000)	212	7538	0.80000		80.00- 120.00	100.00
9.756	9.778	(1.000)	106	886			0.00- 44.41	11.75
	12 Fluoranthene					CAS #: 206-44-0		
9.772	9.793	(1.002)	202	5404	0.45096	22.3	80.00- 120.00	100.00
9.772	9.793	(1.002)	101	553			0.00- 30.00	10.23
	13 Pyrene					CAS #: 129-00-0		
9.994	10.016	(1.024)	202	5500	0.44766	22.2	80.00- 120.00	100.00
9.994	10.016	(1.024)	101	674			0.00- 36.40	12.25
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.169	11.188	(1.145)	226	1380	0.50897	25.2	80.00- 120.00	100.00
11.169	11.188	(1.145)	200	208			0.00- 30.00	15.07
	15 Chrysene					CAS #: 218-01-9		
11.211	11.230	(1.149)	226	1490	0.46420	23.0	80.00- 120.00	100.00
11.211	11.230	(1.149)	200	212			0.00- 30.00	14.23
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.169	12.191	(1.247)	252	5298	0.46389	23.0	80.00- 120.00	100.00
12.169	12.191	(1.247)	250	1241			0.00- 47.79	23.42
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.193	12.214	(1.250)	252	7364	0.57106	28.3	80.00- 120.00	100.00
12.193	12.214	(1.250)	250	1549			0.00- 56.48	21.03
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.383	12.405	(1.269)	264	3540	0.33981	16.8	80.00- 120.00	100.00
12.383	12.405	(1.269)	132	445			0.00- 36.00	12.57
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.455	12.477	(1.277)	252	4945	0.51848	25.7	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
	19 Benzo[a]pyrene (continued)							
12.455	12.477	(1.277)	250	1150			0.00- 40.19	23.26
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.521	13.550	(1.386)	276	5842	0.53180	26.3	80.00- 120.00	100.00
13.521	13.550	(1.386)	138	1185			0.00- 37.88	20.28
	21 Dibenz[a,h]anthracene					CAS #: 53-70-3		
13.529	13.566	(1.387)	278	4719	0.52517	26.0	80.00- 120.00	100.00
13.521	13.566	(1.386)	138	1185			0.00- 38.19	25.11
	22 Benzo[g,h,i]perylene					CAS #: 191-24-2		
13.799	13.837	(1.414)	276	4973	0.51783	25.6	80.00- 120.00	100.00
13.799	13.837	(1.414)	138	873			0.00- 30.00	17.55

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11582LCS.d
Date : 20-NOV-2012 19:02
Client ID: 153990LCS
Sample Info: SIM153990LCS

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

320



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Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613MB.d
Lab Smp Id: 154239MB Client Smp ID: 154239MB
Inj Date : 20-NOV-2012 20:13 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : sim154239mb
Misc Info : SIM154239MB/11613MB
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 24 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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

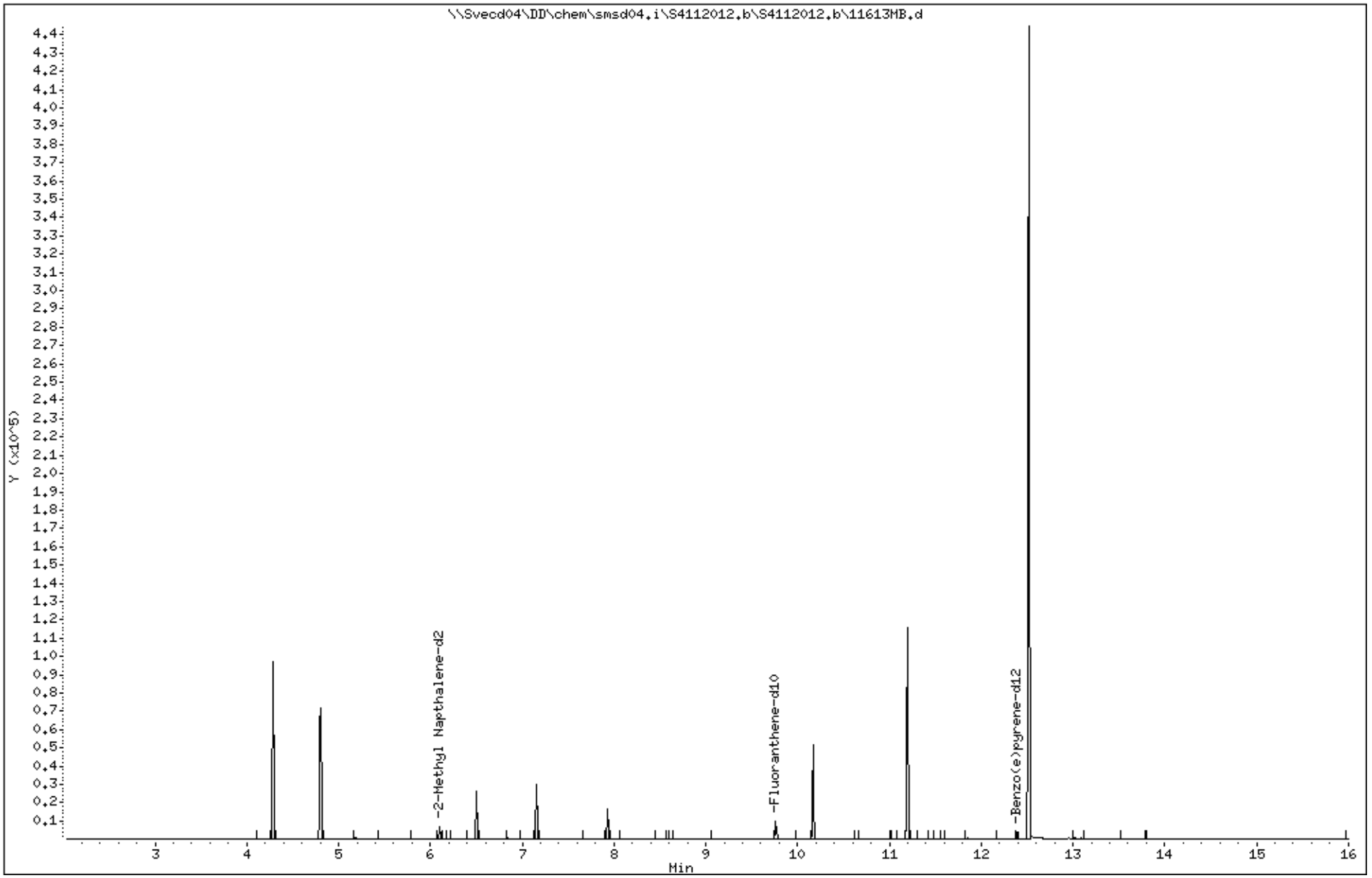
					CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/l)	TARGET RANGE	RATIO
* 2 2-Methyl Napthalene-d2							CAS #: 7927-45-2	
6.100	6.106 (1.000)	152	4220	0.80000			80.00- 120.00	100.00
6.092	6.106 (1.000)	122	1912				13.59- 73.59	45.31
* 11 Fluoranthene-d10							CAS #: 93951-69-0	
9.764	9.778 (1.000)	212	7677	0.80000			80.00- 120.00	100.00
9.764	9.778 (1.000)	106	888				0.00- 44.41	11.57
$ 18 Benzo(e)pyrene-d12							CAS #: 205440-82-0	
12.399	12.405 (1.270)	264	3728	0.35138	0.35		80.00- 120.00	100.00(M)
12.391	12.405 (1.269)	132	484				0.00- 36.00	12.98

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613MB.d
Date : 20-NOV-2012 20:13
Client ID: 154239MB
Instrument: smsd04.i
Sample Info: sim154239mb
Purge Volume: 1000.0
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25

322



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613LCS.d
Lab Smp Id: 154240LCS Client Smp ID: 154240LCS
Inj Date : 20-NOV-2012 21:13 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : SIM154240LCS
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 27 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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

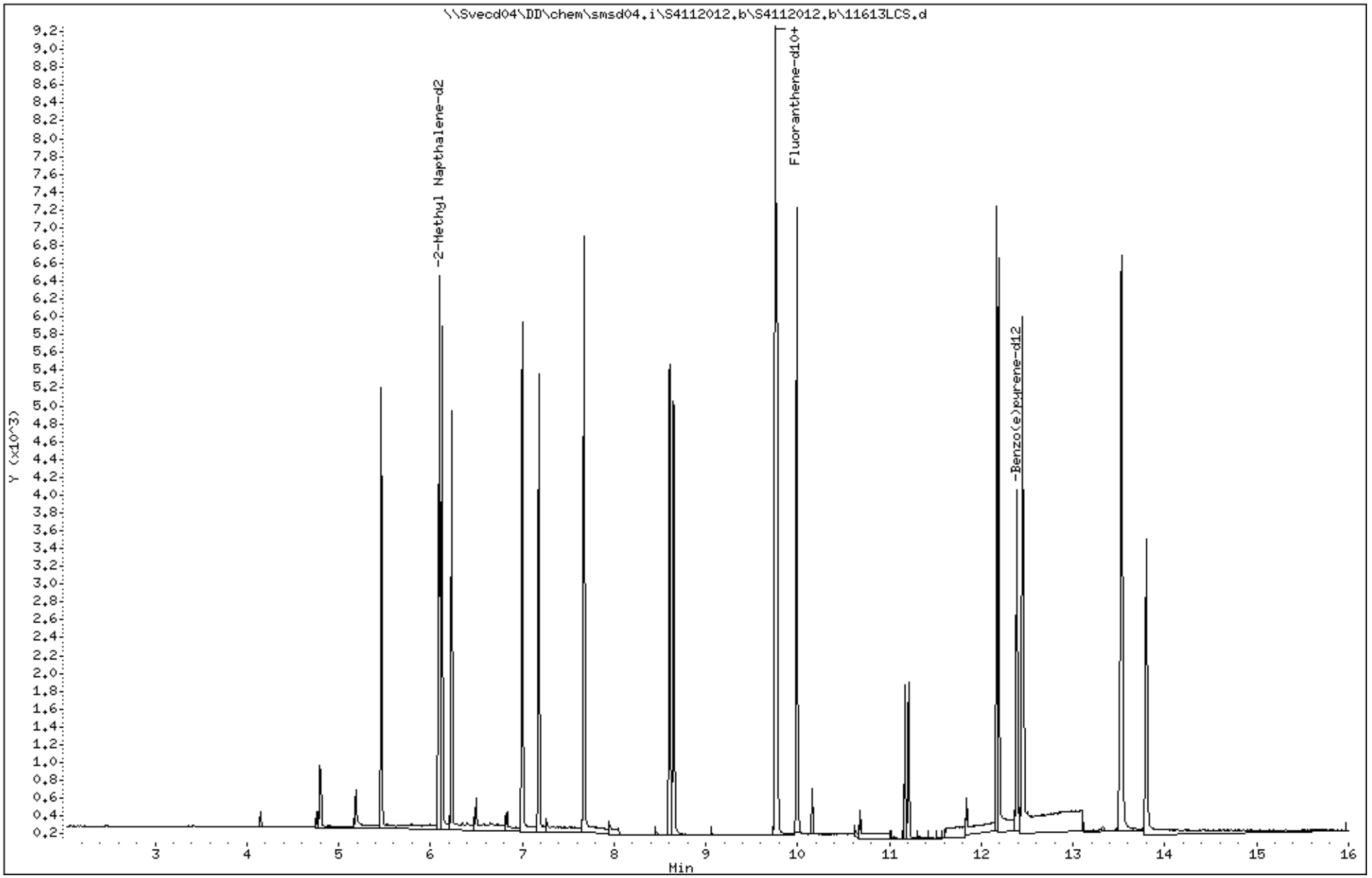
	RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/l)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.465	5.478 (0.560)	128	4047	0.41797		0.42	80.00- 120.00	100.00
	5.465	5.478 (0.560)	129	438				0.00- 30.00	10.82
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.092	6.106 (1.000)	152	4239	0.80000			80.00- 120.00	100.00
	6.092	6.106 (1.000)	122	1908				13.59- 73.59	45.01
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.124	6.138 (1.005)	142	2686	0.44487		0.44	80.00- 120.00	100.00
	6.124	6.138 (1.005)	141	2327				66.11- 126.11	86.63
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.227	6.241 (1.022)	142	2398	0.43277		0.43	80.00- 120.00	100.00
	6.227	6.241 (1.022)	141	2137				64.49- 124.49	89.12
	5 Acenaphthylene						CAS #: 208-96-8		
	7.004	7.016 (1.150)	152	4169	0.48236		0.48	80.00- 120.00	100.00
	7.004	7.016 (1.150)	151	841				0.00- 41.18	20.17
	6 Acenaphthene						CAS #: 83-32-9		
	7.181	7.193 (1.179)	153	2674	0.45129		0.45	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/l)	TARGET RANGE	RATIO
	6 Acenaphthene (continued)							
7.181	7.193 (1.179)		152	1280			13.30- 73.30	47.87
	7 Fluorene					CAS #: 86-73-7		
7.671	7.690 (1.259)		166	3236	0.46134	0.46	80.00- 120.00	100.00
7.671	7.690 (1.259)		165	2987			61.41- 121.41	92.31
	9 Phenanthrene					CAS #: 85-01-8		
8.607	8.619 (0.882)		178	4864	0.42962	0.43	80.00- 120.00	100.00
8.600	8.619 (0.882)		176	920			0.00- 41.18	18.91
	10 Anthracene					CAS #: 120-12-7		
8.651	8.663 (0.887)		178	4367	0.42998	0.43	80.00- 120.00	100.00
8.644	8.663 (0.886)		176	813			0.00- 39.42	18.62
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.756	9.778 (1.000)		212	7893	0.80000		80.00- 120.00	100.00
9.756	9.778 (1.000)		106	921			0.00- 44.41	11.67
	12 Fluoranthene					CAS #: 206-44-0		
9.772	9.793 (1.002)		202	5431	0.43283	0.43	80.00- 120.00	100.00
9.772	9.793 (1.002)		101	549			0.00- 30.00	10.11
	13 Pyrene					CAS #: 129-00-0		
9.994	10.016 (1.024)		202	5544	0.43095	0.43	80.00- 120.00	100.00
9.994	10.016 (1.024)		101	819			0.00- 36.40	14.77
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.169	11.188 (1.145)		226	1398	0.49241	0.49	80.00- 120.00	100.00
11.169	11.188 (1.145)		200	209			0.00- 30.00	14.95
	15 Chrysene					CAS #: 218-01-9		
11.211	11.230 (1.149)		226	1495	0.44481	0.44	80.00- 120.00	100.00
11.211	11.230 (1.149)		200	217			0.00- 30.00	14.52
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.169	12.191 (1.247)		252	5364	0.44855	0.45	80.00- 120.00	100.00
12.169	12.191 (1.247)		250	1262			0.00- 47.79	23.53
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.193	12.214 (1.250)		252	7079	0.52427	0.52	80.00- 120.00	100.00
12.185	12.214 (1.249)		250	1523			0.00- 56.48	21.51
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.383	12.405 (1.269)		264	3602	0.33021	0.33	80.00- 120.00	100.00
12.383	12.405 (1.269)		132	448			0.00- 36.00	12.44
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.455	12.477 (1.277)		252	4904	0.49105	0.49	80.00- 120.00	100.00
12.455	12.477 (1.277)		250	1139			0.00- 40.19	23.23
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.521	13.550 (1.386)		276	5278	0.45885	0.46	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/l)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.521	13.550	(1.386)	138	1073			0.00- 37.88	20.33
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.529	13.566	(1.387)	278	3646	0.38751	0.39	80.00- 120.00	100.00
13.521	13.566	(1.386)	138	1073			0.00- 38.19	29.43
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.799	13.837	(1.414)	276	3982	0.39599	0.40	80.00- 120.00	100.00
13.799	13.837	(1.414)	138	714			0.00- 30.00	17.93

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613LCS.d
Date : 20-NOV-2012 21:13
Client ID: 154240LCS
Sample Info: SIM154240LCS
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613LCSD.d
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Inj Date : 20-NOV-2012 21:33 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : SIM154241LCSD
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 28 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/l)	TARGET RANGE	RATIO
	1 Naphthalene						CAS #: 91-20-3		
	5.465	5.478 (0.560)	128	3957	0.42980		0.43	80.00- 120.00	100.00
	5.465	5.478 (0.560)	129	432				0.00- 30.00	10.92
*	2 2-Methyl Napthalene-d2						CAS #: 7927-45-2		
	6.092	6.106 (1.000)	152	4097	0.80000			80.00- 120.00	100.00
	6.092	6.106 (1.000)	122	1833				13.59- 73.59	44.74
	3 2-Methylnaphthalene						CAS #: 91-57-6		
	6.124	6.138 (1.005)	142	2627	0.45018		0.45	80.00- 120.00	100.00
	6.124	6.138 (1.005)	141	2253				66.11- 126.11	85.76
	4 1-Methylnaphthalene						CAS #: 90-12-0		
	6.227	6.241 (1.022)	142	2344	0.43769		0.44	80.00- 120.00	100.00
	6.227	6.241 (1.022)	141	2084				64.49- 124.49	88.91
	5 Acenaphthylene						CAS #: 208-96-8		
	7.004	7.016 (1.150)	152	3997	0.47848		0.48	80.00- 120.00	100.00
	6.996	7.016 (1.148)	151	789				0.00- 41.18	19.74
	6 Acenaphthene						CAS #: 83-32-9		
	7.181	7.193 (1.179)	153	2634	0.45995		0.46	80.00- 120.00	100.00

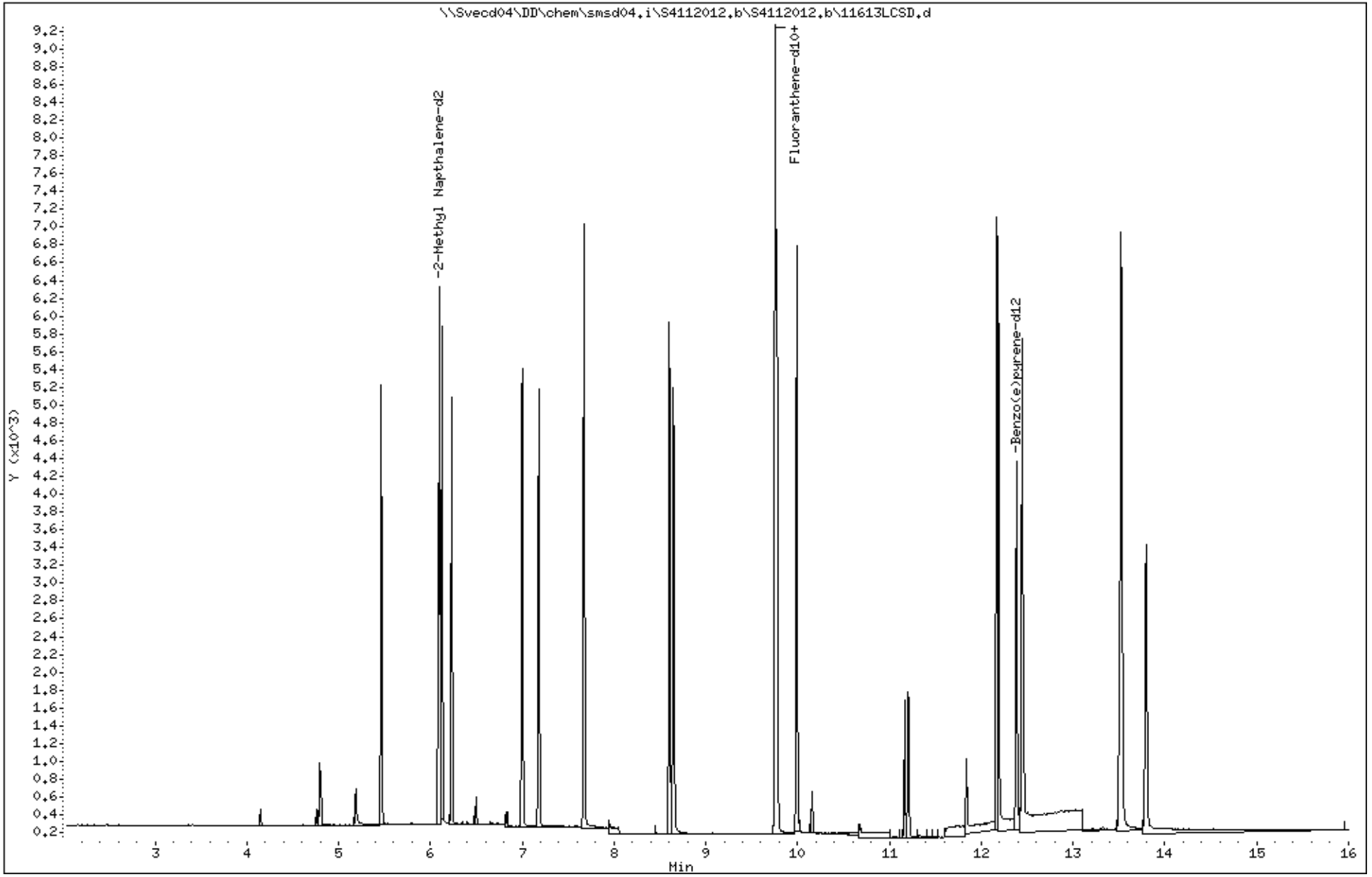
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/l)	TARGET RANGE	RATIO
	6 Acenaphthene (continued)							
7.181	7.193 (1.179)		152	1260			13.30- 73.30	47.84
	7 Fluorene					CAS #: 86-73-7		
7.671	7.690 (1.259)		166	3157	0.46567	0.46	80.00- 120.00	100.00
7.671	7.690 (1.259)		165	2925			61.41- 121.41	92.65
	9 Phenanthrene					CAS #: 85-01-8		
8.600	8.619 (0.882)		178	4876	0.45294	0.45	80.00- 120.00	100.00
8.600	8.619 (0.882)		176	916			0.00- 41.18	18.79
	10 Anthracene					CAS #: 120-12-7		
8.644	8.663 (0.886)		178	4421	0.45780	0.46	80.00- 120.00	100.00
8.644	8.663 (0.886)		176	818			0.00- 39.42	18.50
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.756	9.778 (1.000)		212	7505	0.80000		80.00- 120.00	100.00
9.756	9.778 (1.000)		106	885			0.00- 44.41	11.79
	12 Fluoranthene					CAS #: 206-44-0		
9.772	9.793 (1.002)		202	5349	0.44834	0.45	80.00- 120.00	100.00
9.772	9.793 (1.002)		101	545			0.00- 30.00	10.19
	13 Pyrene					CAS #: 129-00-0		
9.994	10.016 (1.024)		202	5443	0.44497	0.44	80.00- 120.00	100.00
9.994	10.016 (1.024)		101	707			0.00- 36.40	12.99
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.169	11.188 (1.145)		226	1396	0.51713	0.52	80.00- 120.00	100.00
11.163	11.188 (1.144)		200	206			0.00- 30.00	14.76
	15 Chrysene					CAS #: 218-01-9		
11.204	11.230 (1.148)		226	1492	0.46686	0.47	80.00- 120.00	100.00
11.204	11.230 (1.148)		200	221			0.00- 30.00	14.81
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.169	12.191 (1.247)		252	5799	0.50999	0.51	80.00- 120.00	100.00
12.169	12.191 (1.247)		250	1400			0.00- 47.79	24.14
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.185	12.214 (1.249)		252	6299	0.49062	0.49	80.00- 120.00	100.00
12.169	12.214 (1.247)		250	1400			0.00- 56.48	22.23
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.383	12.405 (1.269)		264	3490	0.33648	0.34	80.00- 120.00	100.00
12.383	12.405 (1.269)		132	451			0.00- 36.00	12.92
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.447	12.477 (1.276)		252	4793	0.50475	0.50	80.00- 120.00	100.00
12.447	12.477 (1.276)		250	1135			0.00- 40.19	23.68
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.521	13.550 (1.386)		276	5262	0.48111	0.48	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/l)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.521	13.550	(1.386)	138	1057			0.00- 37.88	20.09
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.529	13.566	(1.387)	278	3741	0.41816	0.42	80.00- 120.00	100.00
13.521	13.566	(1.386)	138	1057			0.00- 38.19	28.25
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.799	13.837	(1.414)	276	4057	0.42431	0.42	80.00- 120.00	100.00
13.799	13.837	(1.414)	138	732			0.00- 30.00	18.04

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\11613LCSD.d
Date : 20-NOV-2012 21:33
Client ID: 154241LCSD
Sample Info: SIM154241LCSD
Purge Volume: 1000.0
Column phase: HPMS-5

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

330



3507601

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Data file : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\601-11.d
Lab Smp Id: 350760111 Client Smp ID: RB-11-13-12
Inj Date : 20-NOV-2012 21:53 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : sim350760111
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\SS8270.m
Meth Date : 28-Nov-2012 15:26 nsubar Quant Type: ISTD
Cal Date : 14-NOV-2012 21:58 Cal File: SSCAL1.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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	980.000	Volume of sample extracted (mL)
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

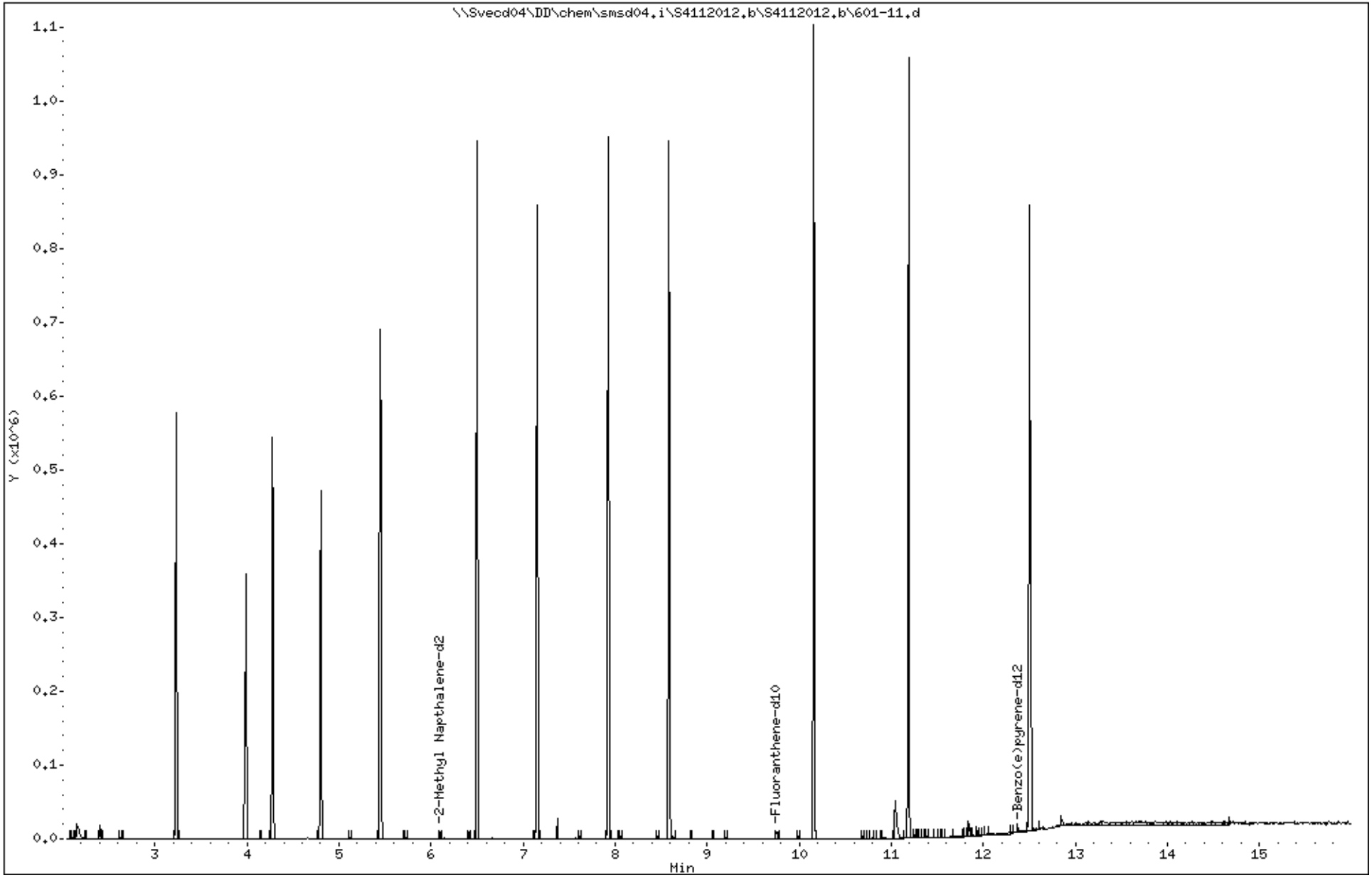
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/l)	TARGET RANGE	RATIO
* 2 2-Methyl Napthalene-d2							CAS #: 7927-45-2	
6.098	6.106 (1.000)		152	3678	0.80000		80.00- 120.00	100.00
6.090	6.106 (1.000)		122	1574			13.59- 73.59	42.79
* 11 Fluoranthene-d10							CAS #: 93951-69-0	
9.753	9.778 (1.000)		212	6621	0.80000		80.00- 120.00	100.00(M)
9.761	9.778 (1.001)		106	664			0.00- 44.41	10.03
$ 18 Benzo(e)pyrene-d12							CAS #: 205440-82-0	
12.381	12.405 (1.219)		264	3044	0.33267	0.34	80.00- 120.00	100.00(M)
12.007	12.405 (1.182)		132	0	0.00	0.00	0.00- 36.00	0.00

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Svecd04\DD\chem\smsd04.i\S4112012.b\S4112012.b\601-11.d
Date : 20-NOV-2012 21:53
Client ID: RB-11-13-12
Sample Info: sim350760111
Purge Volume: 980.0
Column phase: HPMS-5

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25



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Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\11582MS.D
Lab Smp Id: 153991MS Client Smp ID: FM0102C-CSDMS
Inj Date : 21-NOV-2012 02:55 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM153991MS
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 13-Dec-2012 11:51 mjacobs Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 24 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.460	Weight of sample extracted (g)
M	30.800	% 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
	1 Naphthalene					CAS #: 91-20-3		
5.684	5.683 (0.900)		128	29657	0.60539	34.4	80.00- 120.00	100.00(R)
5.684	5.683 (0.900)		129	3165			0.00- 40.88	10.67
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.318	6.317 (1.000)		152	24308	0.80000		80.00- 120.00	100.00
6.312	6.317 (1.000)		122	7691			2.00- 62.00	31.64
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.351	6.345 (1.005)		142	17104	0.51333	29.1	80.00- 120.00	100.00
6.346	6.345 (1.004)		141	14292			54.36- 114.36	83.56
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.446	6.445 (1.020)		142	14587	0.46494	26.4	80.00- 120.00	100.00
6.446	6.445 (1.020)		141	12884			56.64- 116.64	88.33
	5 Acenaphthylene					CAS #: 208-96-8		
7.224	7.224 (1.143)		152	18240	0.36648	20.8	80.00- 120.00	100.00
7.224	7.224 (1.143)		151	3480			0.00- 48.91	19.08
	6 Acenaphthene					CAS #: 83-32-9		
7.396	7.392 (1.171)		153	11966	0.38641	21.9	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
	6 Acenaphthene (continued)							
7.392	7.392 (1.170)		152	5844			17.33- 77.33	48.84
	7 Fluorene					CAS #: 86-73-7		
7.900	7.896 (1.250)		166	13423	0.37757	21.4	80.00- 120.00	100.00
7.900	7.896 (1.250)		165	12509			63.04- 123.04	93.19
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.884)		178	67478	1.18211	67.1	80.00- 120.00	100.00(R)
8.839	8.839 (0.884)		179	10512			0.00- 45.27	15.58
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.889)		178	23788	0.42707	24.2	80.00- 120.00	100.00
8.893	8.888 (0.890)		179	4608			0.00- 45.00	19.37
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.997	9.991 (1.000)		212	42854	0.80000		80.00- 120.00	100.00
9.992	9.991 (1.000)		106	6773			0.00- 45.92	15.80
	12 Fluoranthene					CAS #: 206-44-0		
10.014	10.007 (1.002)		202	76896	1.22470	69.5	80.00- 120.00	100.00(R)
10.008	10.007 (1.001)		101	10399			0.00- 43.17	13.52
	13 Pyrene					CAS #: 129-00-0		
10.239	10.233 (1.024)		202	70970	1.04662	59.4	80.00- 120.00	100.00(R)
10.233	10.233 (1.024)		101	11053			0.00- 44.81	15.57
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.405	11.401 (1.141)		226	13828	0.91285	51.8	80.00- 120.00	100.00(R)
11.402	11.401 (1.140)		200	1777			0.00- 42.98	12.85
	15 Chrysene					CAS #: 218-01-9		
11.441	11.436 (1.144)		226	16106	0.91258	51.8	80.00- 120.00	100.00(R)
11.437	11.436 (1.144)		200	2229			0.00- 42.59	13.84
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.394	12.390 (1.240)		252	64213	1.23517	70.1	80.00- 120.00	100.00(R)
12.394	12.390 (1.240)		250	16263			0.00- 53.98	25.33
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.416	12.412 (1.242)		252	43601	0.63538	36.1	80.00- 120.00	100.00(Q)
12.394	12.412 (1.240)		250	24258			0.00- 52.08	55.64
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.624	12.615 (1.263)		264	14209	0.23643	13.4	80.00- 120.00	100.00(R)
12.619	12.615 (1.262)		132	2565			0.00- 47.49	18.05
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.694	12.690 (1.270)		252	46891	0.83572	47.4	80.00- 120.00	100.00(R)
12.694	12.690 (1.270)		250	11268			0.00- 54.02	24.03
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.830	13.821 (1.383)		276	41076	0.61646	35.0	80.00- 120.00	100.00(R)

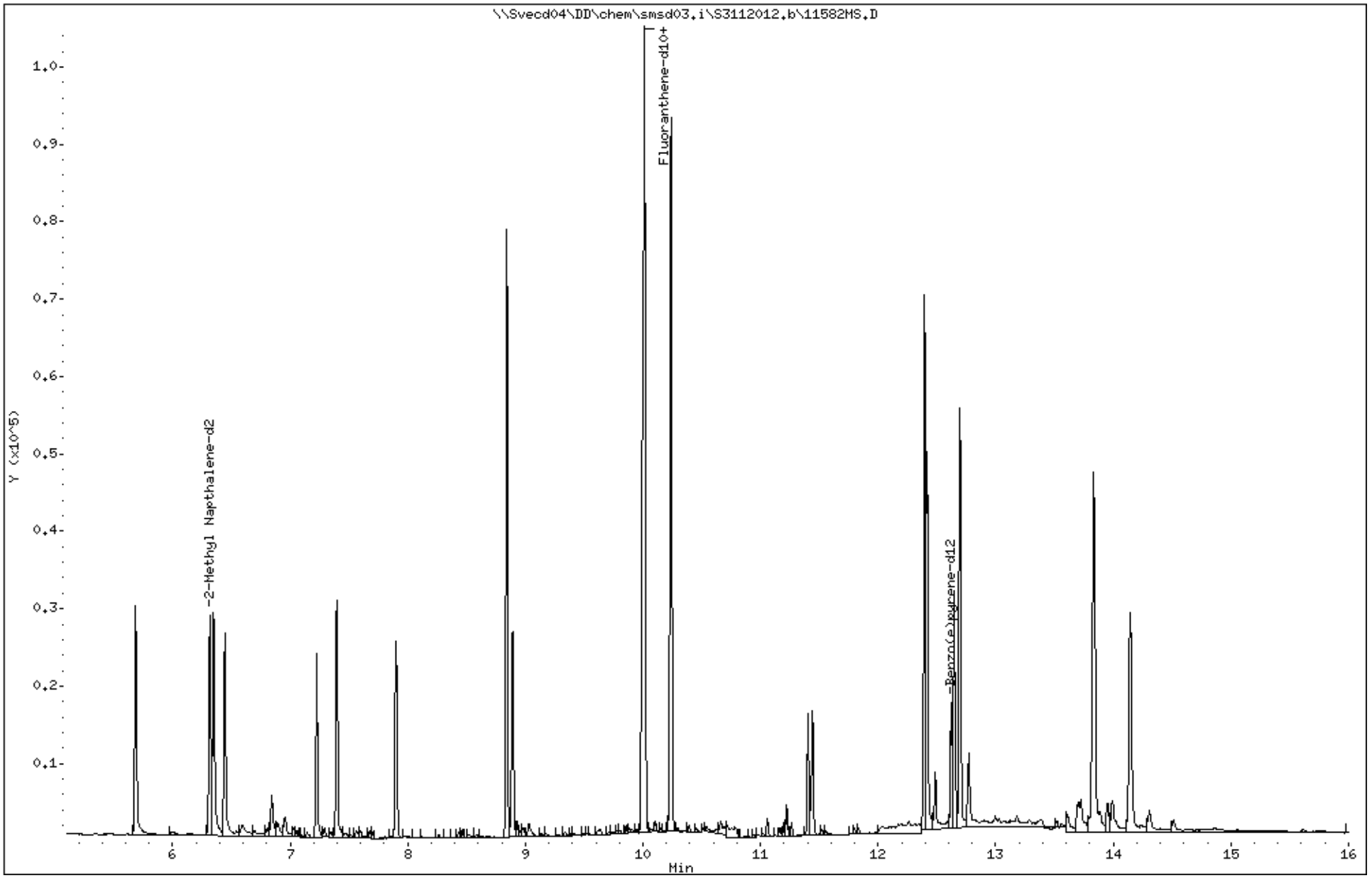
RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	CONCENTRATIONS FINAL (ug/kg)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.830	13.821	(1.383)	138	11473			0.44- 60.44	27.93
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.839	13.830	(1.384)	278	22189	0.35975	20.4	80.00- 120.00	100.00
13.830	13.830	(1.383)	138	11473			6.81- 66.81	51.71
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.146	14.132	(1.415)	276	35695	0.64895	36.8	80.00- 120.00	100.00
14.142	14.132	(1.415)	138	9117			0.00- 55.67	25.54

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\11582MS.D
Date : 21-NOV-2012 02:55
Client ID: FM0102C-CSDMS
Sample Info: SIM153991MS

Instrument: smsd03.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd03.i\S3112012.b\11582SD.D
Lab Smp Id: 153992MSD Client Smp ID: FM0102C-CSDMSD
Inj Date : 21-NOV-2012 03:19 MS Autotune Date: 30-MAY-2012 16:20
Operator : MJ Inst ID: smsd03.i
Smp Info : SIM153992MSD
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd03.i\S3112012.b\SS8270.m
Meth Date : 13-Dec-2012 11:51 mjacobs Quant Type: ISTD
Cal Date : 20-NOV-2012 19:50 Cal File: SSCAL1.D
Als bottle: 25 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	25.700	Weight of sample extracted (g)
M	30.800	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/kg)	TARGET RANGE	RATIO
	1 Naphthalene					CAS #: 91-20-3		
5.684	5.683 (0.900)		128	28361	0.58070	32.6	80.00- 120.00	100.00(R)
5.684	5.683 (0.900)		129	3115			0.00- 40.88	10.98
*	2 2-Methyl Napthalene-d2					CAS #: 7927-45-2		
6.317	6.317 (1.000)		152	24234	0.80000		80.00- 120.00	100.00
6.312	6.317 (1.000)		122	7596			2.00- 62.00	31.34
	3 2-Methylnaphthalene					CAS #: 91-57-6		
6.351	6.345 (1.005)		142	17795	0.53570	30.1	80.00- 120.00	100.00
6.345	6.345 (1.004)		141	14944			54.36- 114.36	83.98
	4 1-Methylnaphthalene					CAS #: 90-12-0		
6.445	6.445 (1.020)		142	15172	0.48506	27.3	80.00- 120.00	100.00
6.445	6.445 (1.020)		141	13007			56.64- 116.64	85.73
	5 Acenaphthylene					CAS #: 208-96-8		
7.223	7.224 (1.143)		152	20075	0.40458	22.7	80.00- 120.00	100.00
7.223	7.224 (1.143)		151	3834			0.00- 48.91	19.10
	6 Acenaphthene					CAS #: 83-32-9		
7.395	7.392 (1.171)		153	11404	0.36939	20.8	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
	6 Acenaphthene (continued)							
7.395	7.392 (1.171)		152	5734			17.33- 77.33	50.28
	7 Fluorene					CAS #: 86-73-7		
7.900	7.896 (1.251)		166	13118	0.37012	20.8	80.00- 120.00	100.00
7.900	7.896 (1.251)		165	12301			63.04- 123.04	93.77
	9 Phenanthrene					CAS #: 85-01-8		
8.839	8.839 (0.885)		178	60692	1.07302	60.3	80.00- 120.00	100.00(R)
8.839	8.839 (0.885)		179	9380			0.00- 45.27	15.46
	10 Anthracene					CAS #: 120-12-7		
8.888	8.888 (0.890)		178	23279	0.42178	23.7	80.00- 120.00	100.00
8.893	8.888 (0.890)		179	4376			0.00- 45.00	18.80
*	11 Fluoranthene-d10					CAS #: 93951-69-0		
9.992	9.991 (1.000)		212	42463	0.80000		80.00- 120.00	100.00
9.992	9.991 (1.000)		106	6783			0.00- 45.92	15.97
	12 Fluoranthene					CAS #: 206-44-0		
10.014	10.007 (1.002)		202	74288	1.19406	67.1	80.00- 120.00	100.00(R)
10.008	10.007 (1.002)		101	10464			0.00- 43.17	14.09
	13 Pyrene					CAS #: 129-00-0		
10.239	10.233 (1.025)		202	65147	0.96959	54.5	80.00- 120.00	100.00(R)
10.233	10.233 (1.024)		101	10296			0.00- 44.81	15.80
	14 Benzo[a]anthracene					CAS #: 56-55-3		
11.404	11.401 (1.141)		226	12687	0.84406	47.5	80.00- 120.00	100.00(R)
11.404	11.401 (1.141)		200	1705			0.00- 42.98	13.44
	15 Chrysene					CAS #: 218-01-9		
11.440	11.436 (1.145)		226	15322	0.87615	49.3	80.00- 120.00	100.00(R)
11.440	11.436 (1.145)		200	1644			0.00- 42.59	10.73
	16 Benzo[b]fluoranthene					CAS #: 205-99-2		
12.395	12.390 (1.240)		252	52032	0.98959	55.6	80.00- 120.00	100.00(R)
12.395	12.390 (1.240)		250	12998			0.00- 53.98	24.98
	17 Benzo[k]fluoranthene					CAS #: 207-08-9		
12.417	12.412 (1.243)		252	36351	0.53460	30.1	80.00- 120.00	100.00
12.417	12.412 (1.243)		250	8121			0.00- 52.08	22.34
$	18 Benzo(e)pyrene-d12					CAS #: 205440-82-0		
12.624	12.615 (1.263)		264	13383	0.22474	12.6	80.00- 120.00	100.00(R)
12.620	12.615 (1.263)		132	2811			0.00- 47.49	21.00
	19 Benzo[a]pyrene					CAS #: 50-32-8		
12.695	12.690 (1.270)		252	39646	0.71310	40.1	80.00- 120.00	100.00(R)
12.695	12.690 (1.270)		250	9445			0.00- 54.02	23.82
	20 Indeno[1,2,3-cd]pyrene					CAS #: 193-39-5		
13.831	13.821 (1.384)		276	32984	0.49957	28.1	80.00- 120.00	100.00

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/ml)	FINAL (ug/kg)	TARGET RANGE	RATIO
20 Indeno[1,2,3-cd]pyrene (continued)								
13.831	13.821	(1.384)	138	9262			0.44- 60.44	28.08
21 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.840	13.830	(1.385)	278	18742	0.28856	16.2	80.00- 120.00	100.00
13.831	13.830	(1.384)	138	9262			6.81- 66.81	49.42
22 Benzo[g,h,i]perylene						CAS #: 191-24-2		
14.147	14.132	(1.416)	276	33621	0.61687	34.7	80.00- 120.00	100.00
14.147	14.132	(1.416)	138	9406			0.00- 55.67	27.98

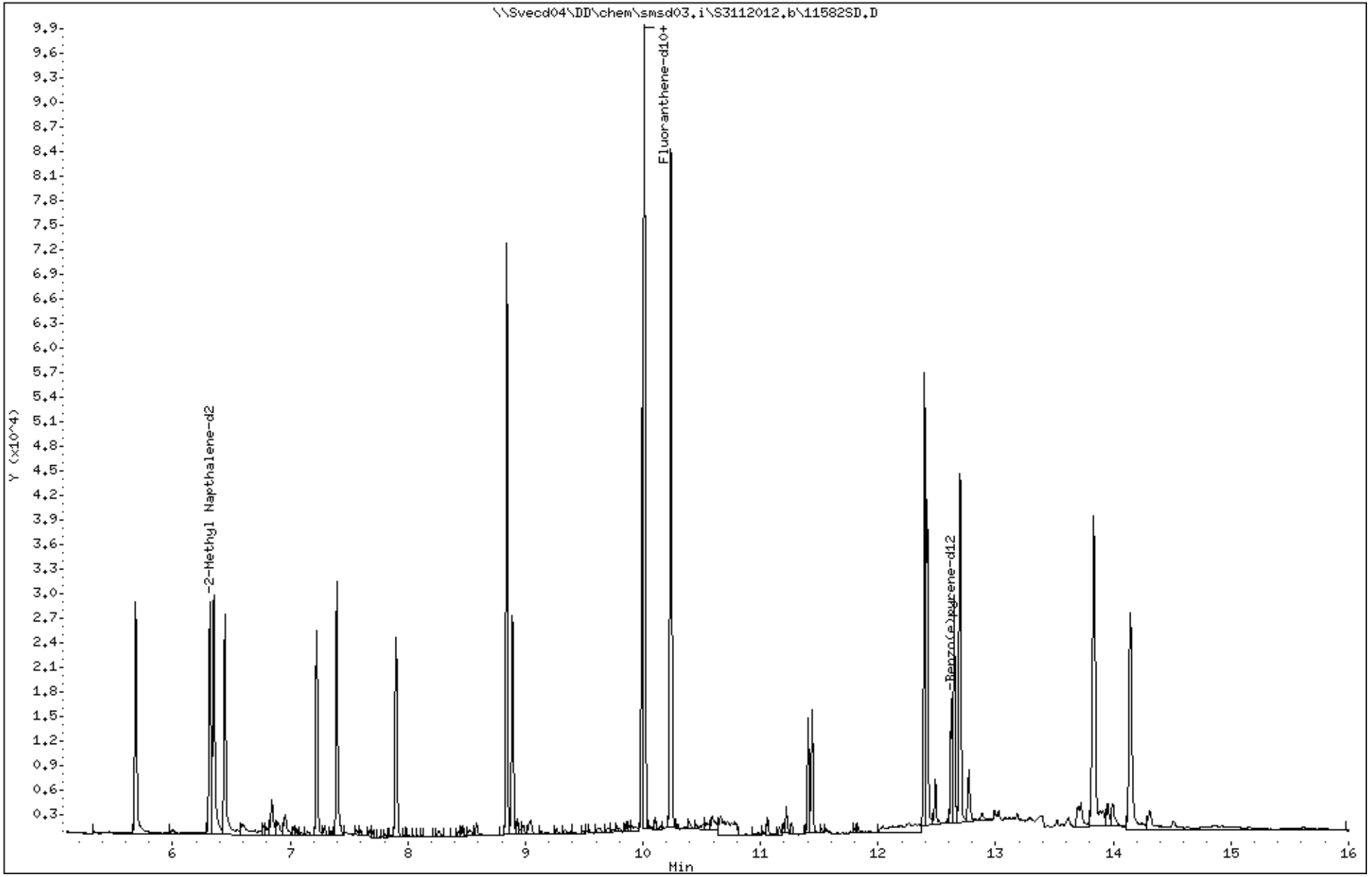
QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\Svecd04\DD\chem\smsd03.i\S3112012.b\11582SD.D
Date : 21-NOV-2012 03:19
Client ID: FM0102C-CSDMSD
Sample Info: SIM153992MSD

Instrument: smsd03.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5



Raw Data Method 8270

SEQUENCE CHECK

SDG: 3507601 **Method:** 8270

Sample ID	Lab ID	Initial Cal Reference	File Name	Batch	Col	Instrument	Run Date	Dilution
DFTPP1135989	47137	N/A	DFTPP2.D	S41114SScal	1	SMSD04	11/14/12 19:35	1
STD1135504	47763	SMSD0411/15/12-1130~S41114SScal	8270CAL7.d	S41114SScal	1	SMSD04	11/14/12 22:40	1
STD1135503	47764	SMSD0411/15/12-1130~S41114SScal	8270CAL6.d	S41114SScal	1	SMSD04	11/14/12 23:01	1
STD1135502	47765	SMSD0411/15/12-1130~S41114SScal	8270CAL5.d	S41114SScal	1	SMSD04	11/14/12 23:22	1
STD1135500	47766	SMSD0411/15/12-1130~S41114SScal	8270CAL4.d	S41114SScal	1	SMSD04	11/14/12 23:43	1
STD1135499	47767	SMSD0411/15/12-1130~S41114SScal	8270CAL3.d	S41114SScal	1	SMSD04	11/15/12 00:04	1
STD1135498	47768	SMSD0411/15/12-1130~S41114SScal	8270CAL2.d	S41114SScal	1	SMSD04	11/15/12 00:25	1
STD1135497	47769	SMSD0411/15/12-1130~S41114SScal	8270CAL1.d	S41114SScal	1	SMSD04	11/15/12 00:46	1
SSC1135505	47770	SMSD0411/15/12-1130~S41114SScal	8270SEC.d	S41114SScal	1	SMSD04	11/15/12 01:07	1
DFTPP1135493	47137	N/A	DFTPP4.d	S41114SScal	1	SMSD04	11/15/12 01:43	1
STD1135522	47885	SMSD0411/15/12-1130~S41114SScal	BSCAL7.d	S41114SScal	1	SMSD04	11/15/12 02:01	1
STD1135521	47962	SMSD0411/15/12-1130~S41114SScal	BSCAL6.d	S41114SScal	1	SMSD04	11/15/12 02:22	1
STD1135520	47964	SMSD0411/15/12-1130~S41114SScal	BSCAL5.d	S41114SScal	1	SMSD04	11/15/12 02:43	1
DFTPP1135524	47137	N/A	DFTPP6.d	S41114SScal	1	SMSD04	11/15/12 07:22	1
STD1135518	47965	SMSD0411/15/12-1130~S41114SScal	BSCAL4.d	S41114SScal	1	SMSD04	11/15/12 07:40	1
STD1135517	47966	SMSD0411/15/12-1130~S41114SScal	BSCAL3.d	S41114SScal	1	SMSD04	11/15/12 08:01	1
STD1135516	47967	SMSD0411/15/12-1130~S41114SScal	BSCAL2.d	S41114SScal	1	SMSD04	11/15/12 08:22	1
STD1135515	47968	SMSD0411/15/12-1130~S41114SScal	BSCAL1.d	S41114SScal	1	SMSD04	11/15/12 08:43	1
SSC1135523	47969	SMSD0411/15/12-1130~S41114SScal	BSSEC.d	S41114SScal	1	SMSD04	11/15/12 09:04	1
STD1135513	47933	SMSD0411/15/12-1130~S41114SScal	AP9CAL7.d	S41114SScal	1	SMSD04	11/15/12 09:25	1
STD1135512	47934	SMSD0411/15/12-1130~S41114SScal	AP9CAL6.d	S41114SScal	1	SMSD04	11/15/12 09:46	1
STD1135511	47935	SMSD0411/15/12-1130~S41114SScal	AP9CAL5.d	S41114SScal	1	SMSD04	11/15/12 10:07	1
STD1135509	47936	SMSD0411/15/12-1130~S41114SScal	AP9CAL4.d	S41114SScal	1	SMSD04	11/15/12 10:28	1
STD1135508	47937	SMSD0411/15/12-1130~S41114SScal	AP9CAL3.d	S41114SScal	1	SMSD04	11/15/12 10:49	1
STD1135507	47938	SMSD0411/15/12-1130~S41114SScal	AP9CAL2.d	S41114SScal	1	SMSD04	11/15/12 11:09	1
STD1135506	47939	SMSD0411/15/12-1130~S41114SScal	AP9CAL1.d	S41114SScal	1	SMSD04	11/15/12 11:30	1
SSC1135514	47943	SMSD0411/15/12-1130~S41114SScal	AP9SEC.d	S41114SScal	1	SMSD04	11/15/12 11:51	1
DFTPP1135492	47137	N/A	DFTPP2.d	S4112012	1	SMSD04	11/20/12 15:52	1
CCV1136491	47766	SMSD0411/15/12-1130~S41114SScal	8270CAL4.d	S4112012	1	SMSD04	11/20/12 16:30	1
CCV1136493	47965	SMSD0411/15/12-1130~S41114SScal	BSCAL4.d	S4112012	1	SMSD04	11/20/12 16:53	1
CCV1136492	47936	SMSD0411/15/12-1130~S41114SScal	AP9CAL4.d	S4112012	1	SMSD04	11/20/12 17:14	1
154236MB	154236MB	SMSD0411/15/12-1130~S41114SScal	111612MB.d	S4112012	1	SMSD04	11/20/12 20:13	1
154237LCS	154237LCS	SMSD0411/15/12-1130~S41114SScal	111612LCS.d	S4112012	1	SMSD04	11/20/12 20:33	1
154238LCSD	154238LCSD	SMSD0411/15/12-1130~S41114SScal	111612LCSD.d	S4112012	1	SMSD04	11/20/12 20:53	1

SDG: 3507601 **Method:** 8270

Sample ID	Lab ID	Initial Cal Reference	File Name	Batch	Col	Instrument	Run Date	Dilution
RB-11-13-12	350760111	SMSD0411/15/12-1130~S41114SScal	601-11.d	S4112012	1	SMSD04	11/20/12 21:53	1

Signature: Mark W. Jacobs
Name: Mark Jacobs Title: Chemist 11/28/2012 6:04:59

Analyst Posted: mjacobs Date

Raymond Ortiz 11/29/2012 9:44:47

Analyst Reviewed: rortiz Date

3507601

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Extraction Method	3510

Extraction Log 8270 Water Ext

Start: 11/20/2012 10:00:00 A
End: 11/20/2012 8:28:40 PM

Water Bath Temp: 70 °C

Batch ID: 11612

Thermometer ID: stbA **Balance ID:** na

Final

Batch ID: 11612

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350758901	1	WQ1	11/14/2012 9:35:00 AM	SAMPLE	sulfur	yellow	none	990 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350758902	1	WQ3	11/14/2012 11:40:00 AM	SAMPLE	none	yellow	none	970 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350760111	1	RB-11-13-12	11/13/2012 3:30:00 PM	SAMPLE	none	clear	none	980 mL	1 mL	10	1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350761401	1	TMW-1	11/15/2012 10:34:00 AM	SAMPLE	none	clear	none	495 mL	0.5 mL	10	0.25mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350762901	1	WQ4	11/15/2012 10:00:00 AM	SAMPLE	none	yellow	none	990 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350762902	1	DUP-WQ4	11/15/2012 10:30:00 AM	SAMPLE	none	yellow	none	990 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
154236MB		154236MB		MB	none	clear	none	1000 mL	1 mL	10	1mL SIMSCAN_surr_wk: 48560 @ 0.5 ug/ml; 0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
154237LCS		154237LCS		LCS	none	clear	none	1000 mL	1 mL	10	250uL 8270_BNA_SPK: 47848 @ 160 ug/mL; 250uL AP-9wkg_spk: 48548 @ AP9 160 ug/ml; 250uL SOWwkg_spk:		n/a
154238LCSD		154238LCSD		LCSD	none	clear	none	1000 mL	1 mL	10	250uL 8270_BNA_SPK: 47848 @ 160 ug/mL; 250uL AP-9wkg_spk: 48548 @ AP9 160 ug/ml; 250uL SOWwkg_spk:		n/a

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350763801	1	Site 1-111612	11/16/2012 2:00:00 PM	SAMPLE	none	clear	none	850 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a
350763802	1	Site 3-111612	11/16/2012 12:30:00 PM	SAMPLE	none	clear	none	990 mL	1 mL	10	0.5mL 8270_BNA-Surr_ST: 46658 @ 100:200 ug/mL;		n/a

Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive

Initial Solvent 48452

Final Solvent 48452

Filter Paper 48377

NaSO4 48592

11/20/2012 8:28:40 PM

Analyst Posted rbennett Date

Name: Agnes Tapolyai Title: Prep Tech 11/20/2012 8:33:15 PM

Peer Reviewed atapolyai Date

Signature: **Name:** Mark Jacobs **Title:** Chemist 11/27/2012 6:(

Analyst Reviewed mjacobs Date

3507601

Comments:

Sample Comments

Lab ID	Client ID	Comments
154236MB	154236MB	
154237LCS	154237LCS	
154238LCSD	154238LCSD	
350758901	WQ1	see bench sheet
350758902	WQ3	see bench sheet
350760111	RB-11-13-12	
350761401	TMW-1	
350762901	WQ4	see bench sheet

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Lab ID	Cont	Client ID	Date Samp	Type	Odor	Color	Sed	Initial	Final	pH	Standards	Cleanups	Archive
350762902		DUP-WQ4		see bench sheet									
350763801		Site 1-111612											
350763802		Site 3-111612		see bench sheet									

3507601

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STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
30687	8151_PCP_STK	Restek	A061936	8/1/2016	1 ML	9/9/2009	jwood

1000 UG/ML: Pentachlorophenol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40330	8270_Benzidines_STK	NSI Solutions Inc.	C-402-28	1/31/2014	1.5 ML	3/22/2011	jacker

2000 UG/ML: 3,3'-Dichlorobenzidine, Benzidine

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40389	8151_PCP_STK	Ultra PH-180	CG-0917	4/30/2014	1 ML	3/23/2011	jacker

1000 UG/ML: Pentachlorophenol

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
40399	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
42259	8270_BENZID_STK	Ultra Scientific	CG-3908	12/31/2012	1 ML	7/12/2011	jacker

2000 UG/ML: 3,3'-Dichlorobenzidine, Benzidine

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
43150	SIMSCAN_surr_stk	CIL-DLM-257-S	SCIF-014	12/18/2018	1 ML	9/22/2011	cabadia

200 UG/ML: Benzo(e)pyrene-D12

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44064	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

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
44396	8270_SOWSEC_STK	NSI Solutions C-601	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
44412	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

STANDARDS LOG

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
45123	8310_RTK2MN_STK	Restek - 31285	A064100	12/31/2015	1 ML	2/24/2012	cabadia

1000 UG/ML: 2-Methylnaphthalene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45131	8310_CALMX5_STK	RESTEK - 31011	079674	3/30/2018	1 ML	2/24/2012	cabadia

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

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45160	8310_AS1MN_STK	AccuStandard S-51	B6040092-1B	2/22/2014	1 ML	2/27/2012	cabadia

2000 UG/ML: 1-Methylnaphthalene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
45687	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
45900	8270_DFTPP_STK_1	NSI C-491	C-491-09	7/30/2014	1.5 ML	4/20/2012	cabadia

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
46113	8270_TOXMIX1_STK	Ultra Scientific US-1	CJ-1309	5/31/2015	1 ML	5/11/2012	mjacobs

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
46114	8270_TOXMIX2_STK	Ultra Scientific - US	CH-1651	6/30/2014	1 ML	5/11/2012	mjacobs

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
46115	8270_BNMIX1_STK	ChemService PP-H	462-77A	2/28/2013	1 ML	5/11/2012	mjacobs

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

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46304	8270_AP9Mix1_NSISTK	NSI Q-5238	100608-01	2/28/2013	1 ML	5/24/2012	cabadia

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
46305	8270_AP9Mix2_NSISTK	NSI V-721	C-721-01	4/30/2013	1 ML	5/24/2012	cabadia

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

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46552	SVOA_2M_STK	CIL DLM-1332-S	SDAB-004	6/18/2020	1.2 ML	6/11/2012	cabadia

200 UG/ML: 2-Methylnaphthalene-d10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46555	SVOA-Fd10_STK	CIL DLM-2140-S	SCJG-001	11/20/2019	1.2 ML	6/11/2012	cabadia

200 UG/ML: Fluoranthene-d10

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
46967	DCM	Honeywell	DG265	7/18/2013	200 L	7/18/2012	treuter

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47020	8270_BNMIX2_STK	Ultra Scientific US-1	CJ-0240	2/28/2013	1 ml	7/23/2012	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
47137	DFTPP_std			1/31/2013	5 ML	7/31/2012	mjacobs

50 UG/ML: 4,4'-DDT, Benzidine, Decafluorotriphenyl phosphine(DFTPP), Pentachlorophenol

COMPOSED OF:

45900: 500 UL 46967: 4500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47195	8270_Pyri_STK	NSI (W-271-06)	271-06-04	11/30/2013	1 ML	8/6/2012	cabadia

5000 UG/ML: Pyridine

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47235	8270_ACDSURR_STK	Ultra Scientific-ISM-	CC-2873	9/30/2014	1 ML	8/7/2012	cabadia

2000 UG/ML: 2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d5

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47241	8310_ARHYDRO_STK	Restek 31458	A081951	6/30/2018	1 ML	8/7/2012	cabadia

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
47247	8310_RTK1MN_STK	Restek 31283	A084039	10/31/2018	1 ML	8/7/2012	cabadia

1000 UG/ML: 1-Methylnaphthalene

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47264	8270_CARBZ_STK	SUPELCO 48076	LB92361	4/30/2015	1 UG/	8/8/2012	nsubar

2000 UG/ML: Carbazole

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47414	DCM	Honeywell	DG800	8/23/2013	200 L	8/23/2012	atapolyai

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47437	8270_AP9MIX2	CPI Z-116470-01	194807	8/25/2015	1 ML	8/24/2012	cabadia

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
47464	8270_IS_STK	Mitkem	SI120822A	8/22/2013	10 ML	8/27/2012	nsubar

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
47503	SS8270_ISTD			3/4/2013	2 ML	9/4/2012	nsubar

40 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10

COMPOSED OF:

46552: 400 UL 46555: 400 UL 47414: UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47708	DCM	Honeywell	DG937	9/24/2013	200 L	9/24/2012	treuter

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47762	8270_TOP			2/28/2013	5 ML	10/1/2012	nsubar

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:

44412: 250 UL 45131: 250 UL 45160: 250 UL 45687: 100 UL 46113: 250 UL 46114: 250 UL 46115: 250 UL 47020: 250 UL 47195: 100 UL 47235: 500 UL 47264: 250 UL 47708: 2.3 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47763	8270_CAL7			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47762: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47764	8270_CAL6			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 250 UL 47762: 750 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47765	8270_CAL5			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 400 UL 47762: 600 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47766	8270_CAL4			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 550 UL 47762: 450 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47767	8270_CAL3			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 800 UL 47762: 200 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47768	8270_CAL2			2/28/2013	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 900 UL 47762: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47769	8270_CAL1			10/27/2012	1 ML	10/1/2012	nsubar

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:

47464: 20 UL 47708: 960 UL 47762: 40 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47770	8270_SEC_WKG			12/5/2012	1 ML	10/1/2012	nsubar

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:

44064: 300 UL 47464: 20 UL 47708: 700 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47781	SS8270_TOP			4/2/2013	5 ML	10/2/2012	nsubar

10 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

COMPOSED OF:

43150: 250 UL 47241: 50 UL 47247: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47782	SS8270_CAL7			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
10 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
20 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 20 UL 47503: 20 UL 47708: 0 UL 47781: 1000 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47783	SS8270_CAL6			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
10 UG/ML: Pentachlorophenol
5 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene

COMPOSED OF:

30687: 10 UL 47503: 20 UL 47708: 490 UL 47781: 500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47784	SS8270_CAL5			3/4/2013	1 ML	10/2/2012	nsubar

0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
1 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
7 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 7 UL 47503: 20 UL 47708: 900 UL 47781: 100 UL

3507601

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47785	SS8270_CAL4			3/4/2013	1 ML	10/2/2012	nsubar

0.5 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
5 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 5 UL 47503: 20 UL 47708: 945 UL 47781: 50 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47786	SS8270_CAL3			3/4/2013	1 ML	10/2/2012	nsubar

0.1 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
2 UG/ML: Pentachlorophenol

STANDARDS LOG

COMPOSED OF:

30687: 2 UL 47503: 20 UL 47708: 985 UL 47781: 10 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47787	SS8270_CAL2			3/4/2013	1 ML	10/2/2012	nsubar

0.05 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
1 UG/ML: Pentachlorophenol

COMPOSED OF:

30687: 1 UL 47503: 20 UL 47708: 994 UL 47781: 5 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47788	SS8270_CAL1			3/4/2013	1 ML	10/2/2012	nsubar

0.02 UG/ML: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene
0.7 UG/ML: Pentachlorophenol
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10

COMPOSED OF:

30687: 0.7 UL 47503: 20 UL 47708: 998 UL 47781: 2 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47789	SS8270_SEC			3/4/2013	1 ML	10/2/2012	nsubar

0.5 UG/ML: 1-Methylnaphthalene, 2-Fluorobiphenyl, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(e)pyrene-D12, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene-d5, Phenanthrene, p-Terphenyl-d14, Pyrene
0.8 UG/ML: 2-Methylnaphthalene-d10, Fluoranthene-d10
5 UG/ML: Pentachlorophenol

COMPOSED OF:

40389: 5 UL 43150: 2.5 UL 47503: 20 UL 47708: 950 UL 47791: 50 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47791	8270 SIM_INT SEC			4/2/2013	5 ML	10/2/2012	nsubar

10 UG/ML: 1-Methylnaphthalene, 2-Fluorobiphenyl, 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, Nitrobenzene-d5, Phenanthrene, p-Terphenyl-d14, Pyrene

COMPOSED OF:

45123: 50 UL 45131: 25 UL 45160: 25 UL 45687: 10 UL 47708: 4.89 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47877	DCM	Honeywell	DG937	10/8/2013	200 L	10/8/2012	rbennett

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47881	8270BS_TOP			4/8/2013	5 ML	10/8/2012	mjacobs

100 UG/ML: 1,1'-Biphenyl, 3,3'-Dichlorobenzidine, Acetophenone, Atrazine, Benzaldehyde, Benzidine, Caprolactam

COMPOSED OF:

40330: 250 UL 44973: 250 UL 47877: 4500 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47885	8270BS_CAL7			4/8/2013	1 ML	10/8/2012	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:

47464: 20 UL 47881: 1 ML

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47930	AP9_TOP			3/31/2013	5 ML	10/9/2012	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:

40399: 500 UL 47437: 250 UL 47877: 4250 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47933	AP9_CAL7			3/31/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 0 ML 47930: 1 ML

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47934	AP9_CAL6			3/31/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 250 UL 47930: 750 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47935	AP9_CAL5			3/31/2013	1 ML	10/9/2012	mjacobs

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:

47464: 20 UL 47877: 400 UL 47930: 600 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47936	AP9_CAL4			3/31/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 550 UL 47930: 450 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47937	AP9_CAL3			3/31/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 800 UL 47930: 200 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47938	AP9_CAL2			3/31/2013	1 ML	10/9/2012	mjacobs

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:

47464: 20 UL 47877: 900 UL 47930: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47939	AP9_CAL1			3/31/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 960 UL 47930: 40 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47943	8270_AP9SEC			2/28/2013	1 ML	10/9/2012	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:

46304: 45 UL 46305: 22.5 UL 47464: 20 UL 47877: 932.5 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47962	8270BS_CAL6			4/8/2013	1 ML	10/9/2012	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

COMPOSED OF:

47464: 20 UL 47877: 250 UL 47881: 750 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47964	8270BS_CAL5			4/8/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 400 UL 47881: 600 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47965	8270BS_CAL4			4/8/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 550 UL 47881: 450 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47966	8270BS_CAL3			4/8/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 800 UL 47881: 200 UL

STANDARDS LOG

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47967	8270BS_CAL2			4/8/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 900 UL 47881: 100 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47968	8270BS_CAL1			4/8/2013	1 ML	10/9/2012	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:

47464: 20 UL 47877: 960 UL 47881: 40 UL

Standard ID	Type	Manufacturer	Mfg Lot	Expires	Volume	Created on	Created by
47969	8270BS_SEC_WKG			12/31/2012	1 ML	10/9/2012	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:

42259: 22.5 UL 44396: 22.5 UL 47464: 20 UL 47877: 955 UL

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
Report Date: 26-Nov-2012 18:03

PEL Laboratories, Inc.

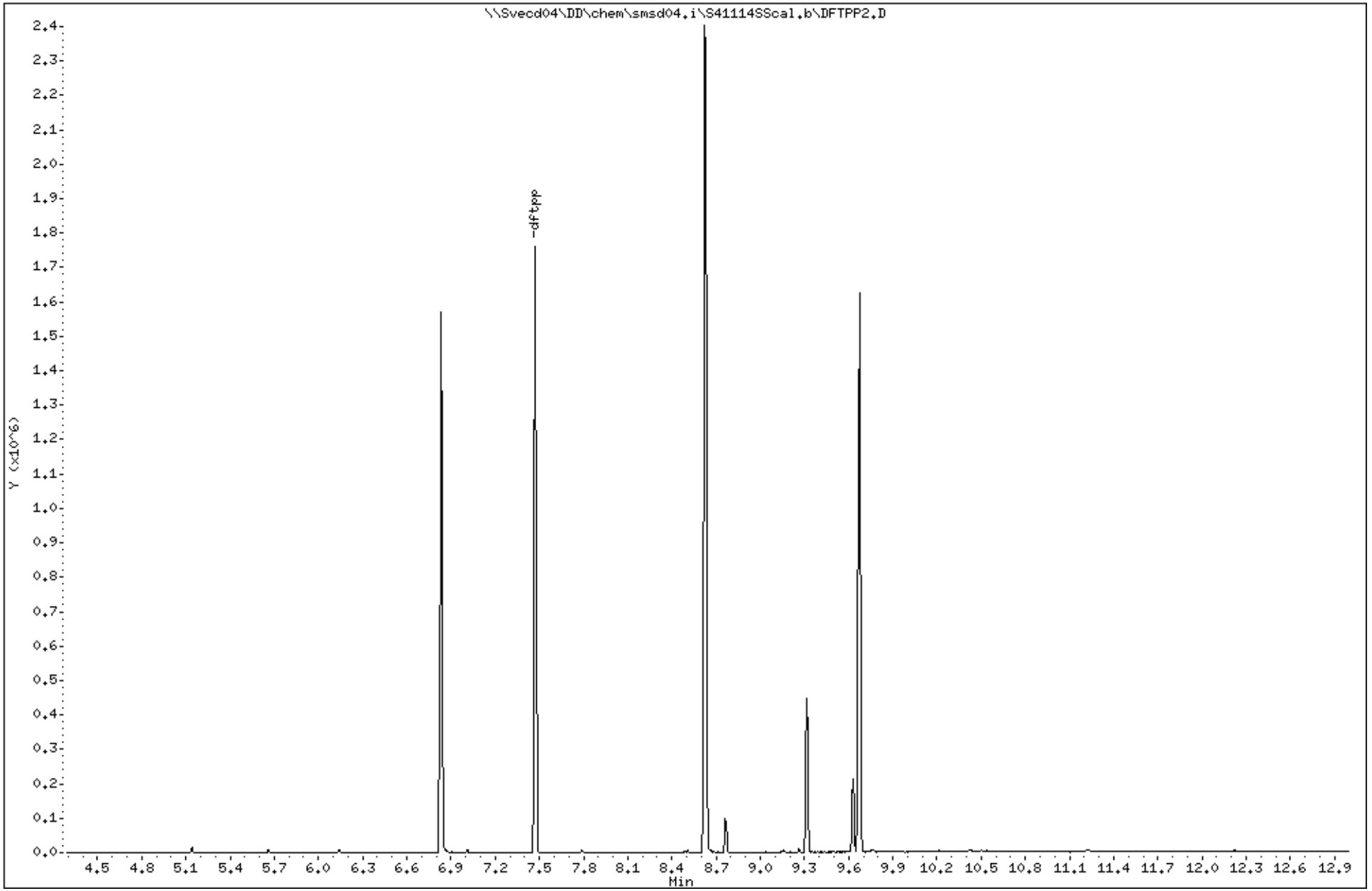
Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
Lab Smp Id: 47137 Client Smp ID: DFTPP2
Inj Date : 14-NOV-2012 19:35
Operator : MJ Inst ID: smsd04.i
Smp Info : 47137
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DoDTUN.m
Meth Date : 06-Aug-2012 11:47 Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER

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	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.474	7.410	(0.000)	198	160768			0.00- 100.00	100.00
7.474	7.410	(0.000)	51	63144			10.00- 80.00	39.28
7.474	7.410	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	69	80600			0.00- 0.00	50.13
7.474	7.410	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	127	76144			10.00- 80.00	47.36
7.474	7.410	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.474	7.410	(0.000)	199	11183			5.00- 9.00	6.96
7.474	7.410	(0.000)	275	40952			10.00- 60.00	25.47
7.474	7.410	(0.000)	365	5692			1.00- 0.00	3.54
7.474	7.410	(0.000)	441	21680			0.01- 24.00	16.90
7.474	7.410	(0.000)	442	128272			50.00- 0.00	79.79
7.474	7.410	(0.000)	443	25920			15.00- 24.00	20.21

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D
Date : 14-NOV-2012 19:35
Client ID: DFTPP2 Instrument: smsd04.i
Sample Info: 47137
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



361

3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

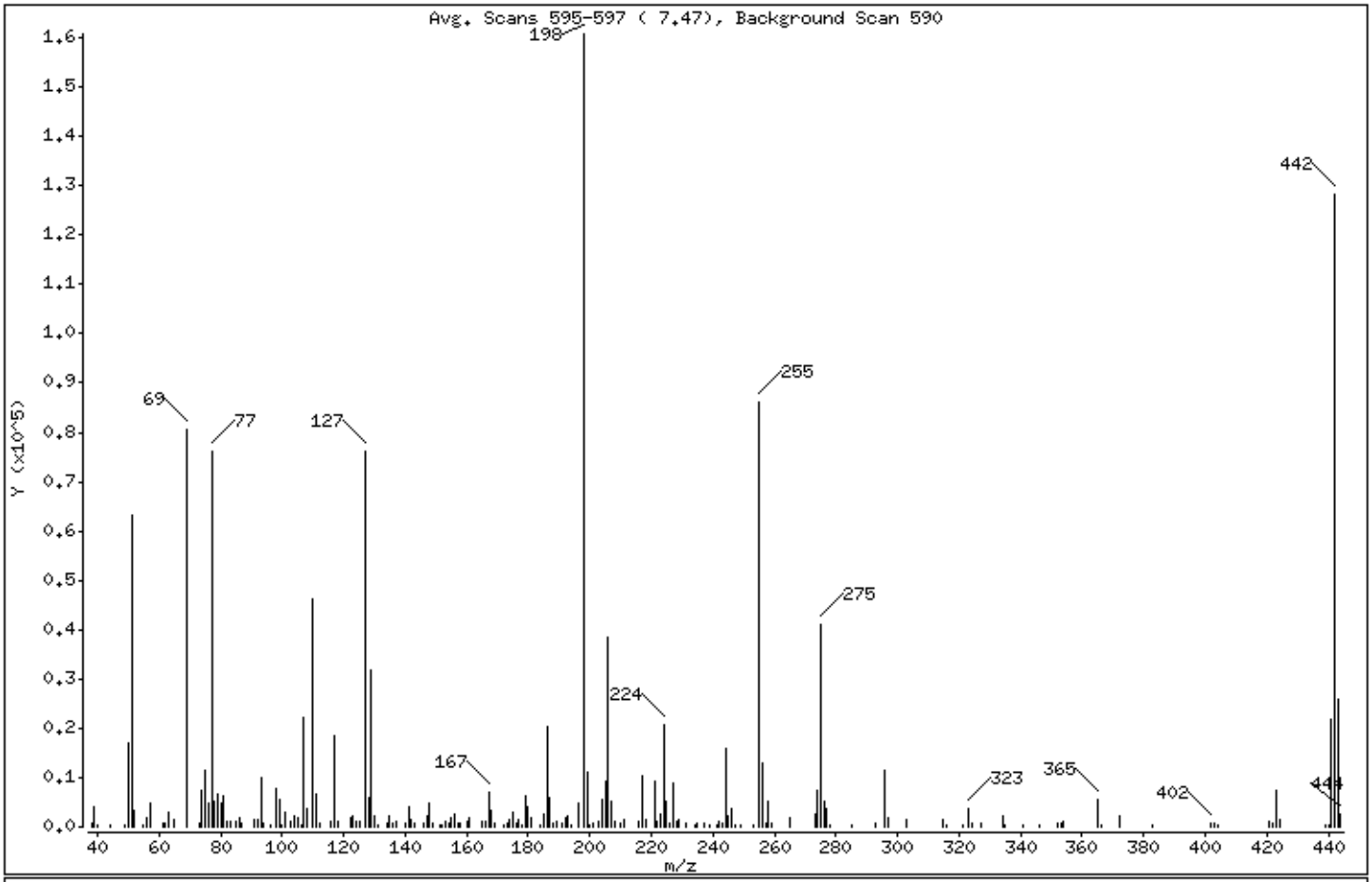
Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

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	39.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.13
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	47.36
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 60.00% of mass 198	25.47
365	Greater than 1.00% of mass 198	3.54
441	0.01 - 24.00% of mass 442	13.49 (16.90)
442	Greater than 50.00% of mass 198	79.79
443	15.00 - 24.00% of mass 442	16.12 (20.21)

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 595-597 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	910	117.00	18576	185.00	2429	256.00	13046
39.00	4153	118.00	1122	186.00	20160	257.00	902
40.00	236	122.00	1714	187.00	5897	258.00	5084
44.00	453	123.00	2400	188.00	566	259.00	681
49.00	421	124.00	992	189.00	1001	265.00	1840
50.00	17128	125.00	1027	191.00	584	273.00	2539
51.00	63144	127.00	76144	192.00	1867	274.00	7462
52.00	3208	128.00	5903	193.00	2047	275.00	40952
55.00	280	129.00	31840	194.00	227	276.00	5331
56.00	1896	130.00	2396	196.00	4817	277.00	3615
57.00	4860	131.00	229	198.00	160768	278.00	525
61.00	769	134.00	797	199.00	11183	285.00	512
62.00	914	135.00	2365	200.00	543	293.00	744
63.00	3063	136.00	707	201.00	570	296.00	11478
65.00	1458	137.00	1016	203.00	989	297.00	1700
69.00	80600	140.00	612	204.00	5569	303.00	1356
73.00	716	141.00	4057	205.00	9144	315.00	1444
74.00	7389	142.00	1428	206.00	38584	316.00	527
75.00	11569	143.00	663	207.00	5073	321.00	239
76.00	4743	146.00	658	208.00	1105	323.00	3708
77.00	76048	147.00	2285	210.00	690	324.00	585
78.00	5210	148.00	4809	211.00	1447	327.00	808
79.00	6563	149.00	879	216.00	1071	334.00	2264
80.00	4810	151.00	549	217.00	10264	335.00	320
81.00	6197	152.00	248	218.00	1330	341.00	258
82.00	1165	153.00	1157	221.00	9191	346.00	254
83.00	1017	154.00	821	222.00	1017	352.00	828
85.00	965	155.00	1916	223.00	2455	353.00	561
86.00	1722	156.00	2682	224.00	20648	354.00	950
87.00	729	157.00	563	225.00	5275	365.00	5692
91.00	1296	158.00	590	226.00	573	366.00	232
92.00	1642	160.00	1212	227.00	8987	372.00	2049
93.00	9928	161.00	1712	228.00	1011	383.00	240
94.00	631	165.00	1218	229.00	1493	402.00	833
96.00	273	166.00	1209	231.00	570	403.00	575

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP2.D

Date : 14-NOV-2012 19:35

Client ID: DFTPP2 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP2.D
Spectrum: Avg. Scans 595-597 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	7775	167.00	7202	234.00	500	404.00	222
99.00	5512	168.00	3358	235.00	626	421.00	1109
100.00	333	169.00	629	237.00	898	422.00	888
101.00	3060	172.00	541	239.00	224	423.00	7248
103.00	959	173.00	806	241.00	271	424.00	1605
104.00	2143	174.00	1497	242.00	1026	439.00	314
105.00	1970	175.00	3068	243.00	609	440.00	254
106.00	538	176.00	730	244.00	16074	441.00	21680
107.00	22328	177.00	1606	245.00	2224	442.00	128272
108.00	3678	178.00	484	246.00	3578	443.00	25920
110.00	46328	179.00	6155	247.00	489	444.00	2496
111.00	6632	180.00	4188	249.00	311		
112.00	593	181.00	1907	253.00	448		
116.00	1011	184.00	249	255.00	86256		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 16:38

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 16:54

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D
DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 18:04

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP2.D

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d
Lab Smp Id: 47763 Client Smp ID: 8270CAL7
Inj Date : 14-NOV-2012 22:40 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47763
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 13:17 Cal File: AP9CAL7.d
Als bottle: 21 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
2 Pyridine						CAS #: 110-86-1		
2.227	2.228	(0.518)	79	392424	100.000		80.00- 120.00	100.00(Q)
2.227	2.228	(0.518)	52	254725			35.30- 95.30	64.91
M 16 Cresols (Total)						CAS #: 1319-77-3		
				699726	200.000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.220	2.220	(0.517)	42	174816	100.000		80.00- 120.00	100.00(Q)
2.221	2.220	(0.517)	74	226898			97.07- 157.07	129.79
2.220	2.221	(0.517)	44	8149			0.00- 34.98	4.66
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.251	3.246	(0.756)	112	716459	200.000		80.00- 120.00	100.00(aQ)
3.251	3.246	(0.756)	64	431869			32.62- 92.62	60.28
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.016	4.006	(0.934)	99	912656	200.000		80.00- 120.00	100.00(Q)
4.016	4.006	(0.934)	42	182402			0.00- 49.74	19.99
4.016	4.006	(0.934)	71	388755			12.66- 72.66	42.60

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.026	4.016	(0.936)	94	521487	100.000		80.00- 120.00	100.00(Q)
4.026	4.016	(0.937)	65	262714			0.94- 60.94	50.38
4.025	4.015	(0.936)	66	304324			21.40- 81.40	58.36
10 Aniline						CAS #: 62-53-3		
4.048	4.046	(0.942)	93	466624	100.000		80.00- 120.00	100.00(Q)
4.026	4.046	(0.937)	65	262712			0.00- 50.97	56.30
4.048	4.046	(0.942)	66	162494			12.95- 72.95	34.82
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.098	4.094	(0.953)	93	343769	100.000		80.00- 120.00	100.00(Q)
4.098	4.093	(0.953)	63	253003			43.04- 103.04	73.60
4.098	4.094	(0.953)	95	110658			1.90- 61.90	32.19
15 2-Chlorophenol						CAS #: 95-57-8		
4.146	4.142	(0.964)	128	336285	100.000		80.00- 120.00	100.00(Q)
4.145	4.142	(0.964)	64	180799			24.14- 84.14	53.76
4.146	4.142	(0.964)	130	110411			2.15- 62.15	32.83
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.269	4.267	(0.993)	146	401520	100.000		80.00- 120.00	100.00(Q)
4.269	4.267	(0.993)	148	256523			34.15- 94.15	63.89
4.269	4.267	(0.993)	111	180889			14.34- 74.34	45.05
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.299	4.294	(1.000)	152	105070	40.0000		80.00- 120.00	100.00(Q)
4.299	4.294	(1.000)	115	66583			34.81- 94.81	63.37
4.300	4.294	(1.000)	150	209585			126.51- 186.51	199.47
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.313	4.311	(1.003)	146	415315	100.000		80.00- 120.00	100.00(Q)
4.313	4.311	(1.003)	148	266061			36.10- 96.10	64.06
4.312	4.311	(1.003)	111	180255			14.95- 74.95	43.40
21 Benzyl alcohol						CAS #: 100-51-6		
4.436	4.429	(1.032)	108	230377	100.000		80.00- 120.00	100.00(Q)
4.436	4.429	(1.032)	79	359168			126.03- 186.03	155.90
4.436	4.429	(1.032)	77	241685			76.75- 136.75	104.91
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.480	4.478	(1.042)	146	387728	100.000		80.00- 120.00	100.00(Q)
4.481	4.478	(1.042)	148	244881			33.36- 93.36	63.16
4.480	4.478	(1.042)	111	179775			18.07- 78.07	46.37
22 2-Methylphenol						CAS #: 95-48-7		
4.543	4.538	(1.057)	107	277051	100.000		80.00- 120.00	100.00(Q)
4.543	4.538	(1.057)	108	319886			83.56- 143.56	115.46
4.542	4.538	(1.057)	79	154995			27.79- 87.79	55.94
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.573	4.571	(1.064)	45	430468	100.000		80.00- 120.00	100.00(Q)
4.573	4.571	(1.064)	77	82351			0.00- 47.34	19.13

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
23 2,2'-oxybis(1-chloropropane) (continued)								
4.573	4.571 (1.064)		121	119016			0.00- 56.71	27.65
28 4-Methylphenol						CAS #: 106-44-5		
4.679	4.668 (1.088)		107	422675	100.000		80.00- 120.00	100.00(Q)
4.679	4.668 (1.088)		108	342899			51.88- 111.88	81.13
4.678	4.668 (1.088)		79	117348			0.00- 57.76	27.76
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.710	4.699 (1.096)		70	291667	100.000		80.00- 120.00	100.00(Q)
4.710	4.699 (1.096)		42	153575			21.53- 81.53	52.65
4.711	4.699 (1.096)		130	62722			0.00- 51.40	21.50
30 Hexachloroethane						CAS #: 67-72-1		
4.754	4.753 (1.106)		117	173889	100.000		80.00- 120.00	100.00(Q)
4.755	4.754 (1.106)		201	163743			63.39- 123.39	94.17
4.755	4.754 (1.106)		199	104929			26.40- 86.40	60.34
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.824	4.818 (0.882)		82	458112	100.000		80.00- 120.00	100.00(Q)
4.824	4.818 (0.882)		128	166463			6.68- 66.68	36.34
4.824	4.818 (0.882)		54	223126			19.12- 79.12	48.71
32 Nitrobenzene						CAS #: 98-95-3		
4.841	4.834 (0.885)		77	446670	100.000		80.00- 120.00	100.00(Q)
4.841	4.835 (0.885)		123	167020			6.73- 66.73	37.39
4.841	4.834 (0.885)		65	65711			0.00- 43.84	14.71
34 Isophorone						CAS #: 78-59-1		
5.056	5.046 (0.924)		82	779079	100.000		80.00- 120.00	100.00(Q)
5.057	5.047 (0.924)		138	124059			0.00- 45.91	15.92
5.057	5.046 (0.924)		95	62927			0.00- 37.77	8.08
35 2-Nitrophenol						CAS #: 88-75-5		
5.131	5.128 (0.938)		139	188548	100.000		80.00- 120.00	100.00(Q)
5.130	5.127 (0.938)		65	118218			33.65- 93.65	62.70
5.130	5.127 (0.938)		109	83564			13.08- 73.08	44.32
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.165	5.158 (0.944)		122	278642	100.000		80.00- 120.00	100.00(Q)
5.164	5.158 (0.944)		107	382412			100.42- 160.42	137.24
5.165	5.158 (0.944)		121	171796			27.73- 87.73	61.65
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.256	5.252 (0.961)		93	449369	100.000		80.00- 120.00	100.00(Q)
5.256	5.252 (0.961)		95	146690			2.66- 62.66	32.64
5.257	5.252 (0.961)		123	56916			0.00- 43.79	12.67
40 Benzoic Acid						CAS #: 65-85-0		
5.306	5.267 (0.970)		122	199985	100.000		80.00- 120.00	100.00(Q)
5.307	5.267 (0.970)		105	286586			114.27- 174.27	143.30
5.306	5.267 (0.970)		77	247713			94.81- 154.81	123.87

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.350	5.342	(0.978)	162	328720	100.000		80.00- 120.00	100.00(Q)
5.350	5.342	(0.978)	164	210224			34.34- 94.34	63.95
5.349	5.342	(0.978)	98	126747			8.30- 68.30	38.56
42 1,2,4-Trichlorobenzene							CAS #: 120-82-1	
5.430	5.427	(0.993)	180	361380	100.000		80.00- 120.00	100.00(Q)
5.430	5.427	(0.993)	182	344774			69.17- 129.17	95.40
5.430	5.427	(0.993)	145	107238			0.41- 60.41	29.67
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.470	5.463	(1.000)	136	353834	40.0000		80.00- 120.00	100.00(Q)
5.470	5.463	(1.000)	68	24970			0.00- 37.51	7.06
44 Naphthalene							CAS #: 91-20-3	
5.489	5.486	(1.004)	128	972608	100.000		80.00- 120.00	100.00(Q)
5.489	5.485	(1.004)	129	106452			0.00- 40.78	10.95
5.489	5.486	(1.004)	127	126273			0.00- 42.17	12.98
45 4-Chloroaniline							CAS #: 106-47-8	
5.557	5.552	(1.016)	127	398494	100.000		80.00- 120.00	100.00(Q)
5.557	5.552	(1.016)	129	128021			2.29- 62.29	32.13
5.556	5.551	(1.016)	65	149190			8.57- 68.57	37.44
48 Hexachlorobutadiene							CAS #: 87-68-3	
5.656	5.654	(1.034)	225	258102	100.000		80.00- 120.00	100.00(Q)
5.656	5.654	(1.034)	223	162649			31.81- 91.81	63.02
5.656	5.654	(1.034)	227	165418			34.78- 94.78	64.09
51 4-Chloro-3-methylphenol							CAS #: 59-50-7	
6.012	6.009	(1.099)	107	356179	100.000		80.00- 120.00	100.00(Q)
6.013	6.009	(1.099)	144	82706			0.00- 53.54	23.22
6.013	6.009	(1.099)	142	261160			43.91- 103.91	73.32
53 2-Methylnaphthalene							CAS #: 91-57-6	
6.145	6.141	(1.123)	142	668832	100.000		80.00- 120.00	100.00(Q)
6.145	6.141	(1.123)	141	572330			55.50- 115.50	85.57
54 1-Methylnaphthalene							CAS #: 90-12-0	
6.250	6.247	(1.142)	142	619216	100.000		80.00- 120.00	100.00(Q)
6.250	6.247	(1.142)	141	552616			58.78- 118.78	89.24
55 Hexachlorocyclopentadiene							CAS #: 77-47-4	
6.361	6.360	(0.887)	237	270324	100.000		80.00- 120.00	100.00(Q)
6.361	6.360	(0.887)	235	167615			33.42- 93.42	62.01
6.362	6.360	(0.887)	272	32612			0.00- 41.88	12.06
57 2,4,6-Trichlorophenol							CAS #: 88-06-2	
6.441	6.438	(0.898)	196	250990	100.000		80.00- 120.00	100.00(Q)
6.441	6.438	(0.898)	198	243328			67.54- 127.54	96.95
6.441	6.438	(0.898)	200	76184			1.18- 61.18	30.35
58 2,4,5-Trichlorophenol							CAS #: 95-95-4	
6.477	6.472	(0.903)	196	275406	100.000		80.00- 120.00	100.00(Q)

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	58 2,4,5-Trichlorophenol (continued)							
6.478	6.472	(0.903)	198	266229			64.33- 124.33	96.67
6.477	6.472	(0.903)	97	162654			27.55- 87.55	59.06
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.519	6.514	(0.909)	172	846354	100.000		80.00- 120.00	100.00(Q)
6.519	6.514	(0.909)	171	292844			4.90- 64.90	34.60
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.615	6.610	(0.922)	162	706292	100.000		80.00- 120.00	100.00(Q)
6.615	6.610	(0.922)	164	231057			1.75- 61.75	32.71
6.614	6.610	(0.922)	127	276758			8.71- 68.71	39.18
	63 2-Nitroaniline					CAS #: 88-74-4		
6.747	6.741	(0.941)	65	247214	100.000		80.00- 120.00	100.00(Q)
6.747	6.741	(0.941)	92	161516			35.13- 95.13	65.33
6.747	6.741	(0.941)	138	222265			59.53- 119.53	89.91
	65 Dimethylphthalate					CAS #: 131-11-3		
6.956	6.950	(0.970)	163	810184	100.000		80.00- 120.00	100.00(Q)
6.957	6.950	(0.970)	194	49338			0.00- 35.76	6.09
6.956	6.949	(0.970)	164	82842			0.00- 39.66	10.23
	68 Acenaphthylene					CAS #: 208-96-8		
7.024	7.020	(0.979)	152	1135023	100.000		80.00- 120.00	100.00(Q)
7.024	7.020	(0.979)	151	227764			0.00- 50.20	20.07
7.024	7.020	(0.979)	153	148105			0.00- 43.02	13.05
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.022	7.015	(0.979)	165	197089	100.000		80.00- 120.00	100.00(Q)
7.022	7.015	(0.979)	89	132419			39.45- 99.45	67.19
7.022	7.016	(0.979)	63	196836			74.66- 134.66	99.87
	69 3-Nitroaniline					CAS #: 99-09-2		
7.155	7.146	(0.998)	138	180377	100.000		80.00- 120.00	100.00(Q)
7.155	7.146	(0.998)	108	27205			0.00- 42.35	15.08
7.155	7.145	(0.998)	92	233460			104.62- 164.62	129.43
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.172	7.167	(1.000)	164	229070	40.0000		80.00- 120.00	100.00(Q)
7.172	7.168	(1.000)	162	215669			66.12- 126.12	94.15
7.172	7.167	(1.000)	160	97528			13.21- 73.21	42.58
	71 Acenaphthene					CAS #: 83-32-9		
7.206	7.201	(1.005)	154	643020	100.000		80.00- 120.00	100.00(Q)
7.206	7.200	(1.005)	153	684148			77.18- 137.18	106.40
7.206	7.200	(1.005)	152	328975			21.21- 81.21	51.16
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.250	7.243	(1.011)	184	122850	100.000		80.00- 120.00	100.00(Q)
7.249	7.242	(1.011)	63	92703			48.18- 108.18	75.46
7.250	7.242	(1.011)	154	80607			33.05- 93.05	65.61

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.313	7.303	(1.020)	109	161695	100.000		80.00- 120.00	100.00(Q)
7.313	7.303	(1.020)	139	150173			61.80- 121.80	92.87
7.313	7.303	(1.020)	65	182785			80.41- 140.41	113.04
75 Dibenzofuran						CAS #: 132-64-9		
7.360	7.355	(1.026)	168	986684	100.000		80.00- 120.00	100.00(Q)
7.360	7.355	(1.026)	139	405946			10.69- 70.69	41.14
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.400	7.392	(1.032)	165	244710	100.000		80.00- 120.00	100.00(Q)
7.400	7.392	(1.032)	63	127841			23.55- 83.55	52.24
7.400	7.392	(1.032)	89	200447			51.82- 111.82	81.91
80 Diethylphthalate						CAS #: 84-66-2		
7.647	7.640	(1.066)	149	827266	100.000		80.00- 120.00	100.00(Q)
7.647	7.640	(1.066)	177	183366			0.00- 51.79	22.17
7.647	7.640	(1.066)	150	102638			0.00- 42.28	12.41
81 Fluorene						CAS #: 86-73-7		
7.696	7.690	(1.073)	166	902841	100.000		80.00- 120.00	100.00(Q)
7.696	7.690	(1.073)	165	837162			61.04- 121.04	92.73
7.696	7.690	(1.073)	167	121632			0.00- 43.06	13.47
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.695	7.690	(1.073)	204	477940	100.000		80.00- 120.00	100.00(Q)
7.696	7.690	(1.073)	206	158870			2.85- 62.85	33.24
7.695	7.690	(1.073)	141	287777			29.43- 89.43	60.21
84 4-Nitroaniline						CAS #: 100-01-6		
7.765	7.750	(1.083)	138	164465	100.000		80.00- 120.00	100.00(Q)
7.764	7.749	(1.083)	92	95924			30.30- 90.30	58.32
7.764	7.749	(1.083)	108	187900			85.44- 145.44	114.25
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.803	7.790	(0.907)	198	173788	100.000		80.00- 120.00	100.00(Q)
7.822	7.789	(0.909)	51	111329			21.07- 81.07	64.06
7.802	7.789	(0.907)	105	78100			14.43- 74.43	44.94
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.823	7.814	(0.909)	169	542509	100.000		80.00- 120.00	100.00(Q)
7.823	7.815	(0.909)	168	376218			41.33- 101.33	69.35
7.823	7.815	(0.909)	167	191113			5.93- 65.93	35.23
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.851	7.845	(1.095)	77	1001320	100.000		80.00- 120.00	100.00(Q)
7.851	7.845	(1.095)	105	127710			0.00- 44.08	12.75
7.851	7.845	(1.095)	182	214286			0.00- 53.69	21.40
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.953	7.946	(1.109)	330	323475	200.000		80.00- 120.00	100.00(Q)
7.953	7.946	(1.109)	332	314831			65.21- 125.21	97.33
7.952	7.945	(1.109)	141	124942			10.78- 70.78	38.62

					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	93 4-Bromophenylphenylether						CAS #: 101-55-3	
8.168	8.163 (0.949)	248	270409	100.000			80.00- 120.00	100.00(Q)
8.168	8.163 (0.949)	250	257712				66.63- 126.63	95.30
8.167	8.162 (0.949)	141	205129				49.24- 109.24	75.86
	94 Hexachlorobenzene						CAS #: 118-74-1	
8.313	8.307 (0.966)	284	304917	100.000			80.00- 120.00	100.00(Q)
8.312	8.307 (0.966)	142	116939				10.52- 70.52	38.35
8.313	8.307 (0.966)	249	95397				1.60- 61.60	31.29
	96 Pentachlorophenol						CAS #: 87-86-5	
8.486	8.480 (0.986)	266	199373	100.000			80.00- 120.00	100.00(Q)
8.486	8.481 (0.986)	264	126886				33.54- 93.54	63.64
8.486	8.481 (0.986)	268	127425				34.39- 94.39	63.91
*	100 Phenanthrene-d10						CAS #: 1517-22-2	
8.607	8.604 (1.000)	188	408314	40.0000			80.00- 120.00	100.00(Q)
8.606	8.604 (1.000)	94	43195				0.00- 40.39	10.58
8.606	8.603 (1.000)	80	45934				0.00- 41.55	11.25
	101 Phenanthrene						CAS #: 85-01-8	
8.632	8.626 (1.003)	178	1162105	100.000			80.00- 120.00	100.00(Q)
8.632	8.626 (1.003)	179	177632				0.00- 45.20	15.29
8.633	8.626 (1.003)	176	223413				0.00- 48.69	19.22
	103 Anthracene						CAS #: 120-12-7	
8.676	8.670 (1.008)	178	1043737	100.000			80.00- 120.00	100.00(Q)
8.676	8.670 (1.008)	179	160194				0.00- 45.53	15.35
8.676	8.670 (1.008)	176	192897				0.00- 49.11	18.48
	104 Carbazole						CAS #: 86-74-8	
8.836	8.830 (1.027)	167	1020475	100.000			80.00- 120.00	100.00(Q)
8.836	8.830 (1.027)	139	138212				0.00- 43.72	13.54
8.836	8.830 (1.027)	83	92447				0.00- 39.70	9.06
	105 Di-n-butylphthalate						CAS #: 84-74-2	
9.230	9.227 (1.072)	149	1408418	100.000			80.00- 120.00	100.00(Q)
9.230	9.227 (1.072)	150	128514				0.00- 39.16	9.12
9.230	9.227 (1.072)	104	91016				0.00- 36.36	6.46
	109 Fluoranthene						CAS #: 206-44-0	
9.802	9.797 (1.139)	202	1276413	100.000			80.00- 120.00	100.00(Q)
9.801	9.796 (1.139)	101	149374				0.00- 41.60	11.70
9.802	9.797 (1.139)	203	221164				0.00- 47.37	17.33
	111 Pyrene						CAS #: 129-00-0	
10.022	10.016 (0.893)	202	1292195	100.000			80.00- 120.00	100.00(Q)
10.022	10.016 (0.893)	200	271374				0.00- 50.33	21.00
10.022	10.016 (0.893)	203	233459				0.00- 47.92	18.07
$	112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0	
10.182	10.179 (0.908)	244	1044672	100.000			80.00- 120.00	100.00(Q)
10.182	10.178 (0.908)	122	110658				0.00- 40.67	10.59

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)								
10.182	10.179	(0.908)	212	83380			0.00- 37.92	7.98
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.697	10.690	(0.954)	149	665257	100.000		80.00- 120.00	100.00(Q)
10.696	10.691	(0.954)	91	497468			45.72- 105.72	74.78
10.697	10.692	(0.954)	206	146822			0.00- 51.71	22.07
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.200	11.194	(0.998)	228	1333267	100.000		80.00- 120.00	100.00(Q)
11.200	11.194	(0.998)	229	261274			0.00- 49.13	19.60
11.200	11.194	(0.998)	226	357342			0.00- 57.06	26.80
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.217	11.211	(1.000)	240	477431	40.0000		80.00- 120.00	100.00(Q)
11.217	11.210	(1.000)	120	48689			0.00- 40.02	10.20
11.218	11.210	(1.000)	236	117691			0.00- 54.50	24.65
123 Chrysene						CAS #: 218-01-9		
11.245	11.238	(1.002)	228	1307164	100.000		80.00- 120.00	100.00(Q)
11.245	11.238	(1.002)	226	382506			0.00- 59.08	29.26
11.245	11.238	(1.002)	229	257753			0.00- 49.34	19.72
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.278	11.275	(1.005)	149	925492	100.000		80.00- 120.00	100.00(Q)
11.278	11.276	(1.005)	167	276016			0.00- 59.84	29.82
11.279	11.276	(1.005)	279	70988			0.00- 37.67	7.67
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.847	11.842	(0.945)	149	1629218	100.000		80.00- 120.00	100.00(Q)
11.848	11.843	(0.945)	167	25846			0.00- 31.49	1.59
11.847	11.842	(0.945)	43	134208			0.00- 38.92	8.24
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.206	12.198	(0.974)	252	1085935	100.000		80.00- 120.00	100.00(Q)
12.206	12.198	(0.973)	253	238656			0.00- 52.25	21.98
12.205	12.219	(0.973)	125	107264			0.00- 48.56	9.88
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.229	12.220	(0.975)	252	1415956	100.000		80.00- 120.00	100.00(Q)
12.229	12.220	(0.975)	253	314925			0.00- 52.11	22.24
12.229	12.219	(0.975)	125	116562			0.00- 46.79	8.23
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.492	12.484	(0.996)	252	1136843	100.000		80.00- 120.00	100.00(Q)
12.492	12.484	(0.996)	253	255906			0.00- 51.58	22.51
12.491	12.484	(0.996)	125	112532			0.00- 39.66	9.90
* 130 Perylene-d12						CAS #: 1520-96-3		
12.538	12.532	(1.000)	264	395905	40.0000		80.00- 120.00	100.00(Q)
12.538	12.533	(1.000)	260	91897			0.00- 52.70	23.21
12.538	12.532	(1.000)	265	86646			0.00- 52.11	21.89

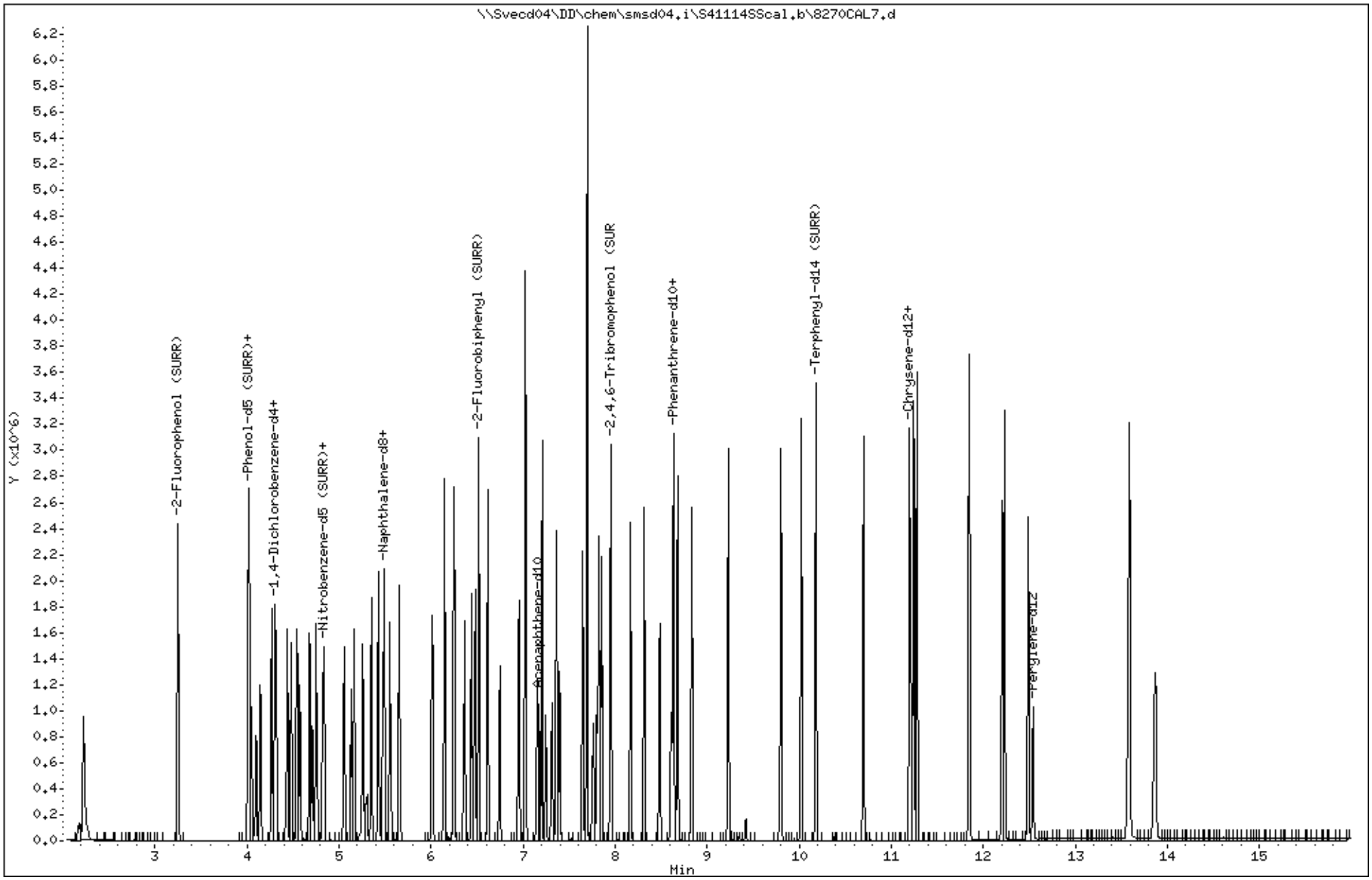
					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.585	13.569	(1.083)	276	1235180	100.000		80.00- 120.00	100.00(Q)
13.587	13.570	(1.084)	138	285930			0.00- 53.00	23.15
13.586	13.570	(1.084)	277	316627			0.00- 55.19	25.63
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.590	13.574	(1.084)	278	1074724	100.000		80.00- 120.00	100.00(Q)
13.589	13.573	(1.084)	139	158447			0.00- 45.33	14.74
13.590	13.574	(1.084)	279	253107			0.00- 53.44	23.55
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.869	13.852	(1.106)	276	890522	100.000		80.00- 120.00	100.00(Q)
13.868	13.852	(1.106)	138	170335			0.00- 48.86	19.13
13.869	13.852	(1.106)	277	209872			0.00- 53.33	23.57

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d
Date : 14-NOV-2012 22:40
Client ID: 8270CAL7
Sample Info: 47763

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

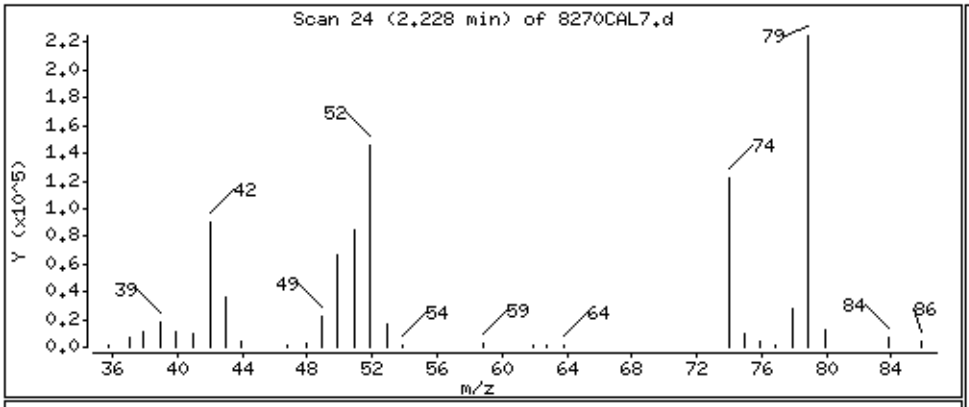
Sample Info: 47763

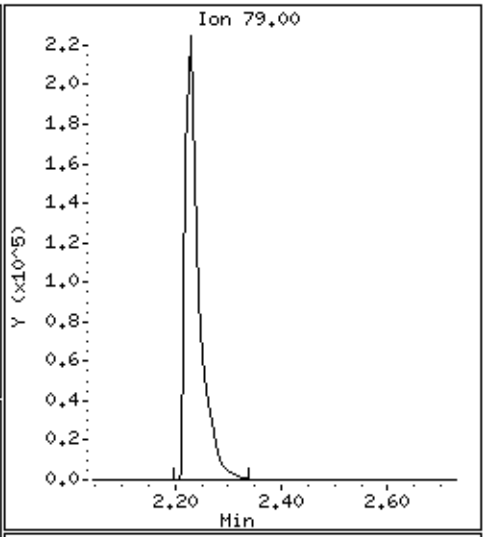
Operator: MJ

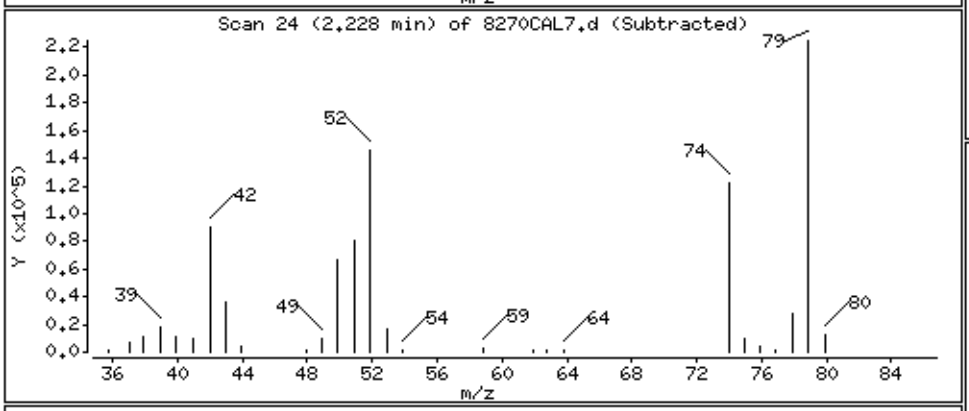
Column phase: HPMS-5

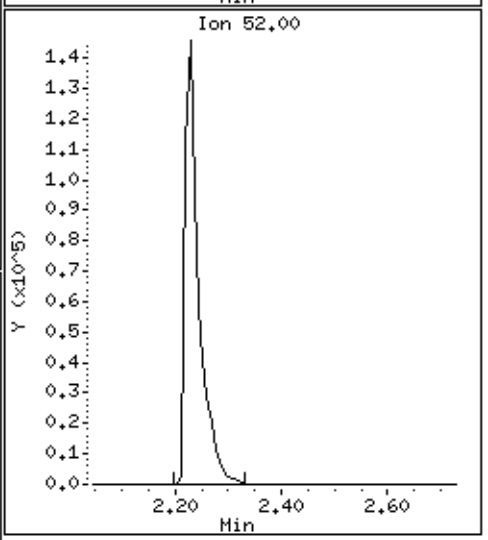
Column diameter: 0.25

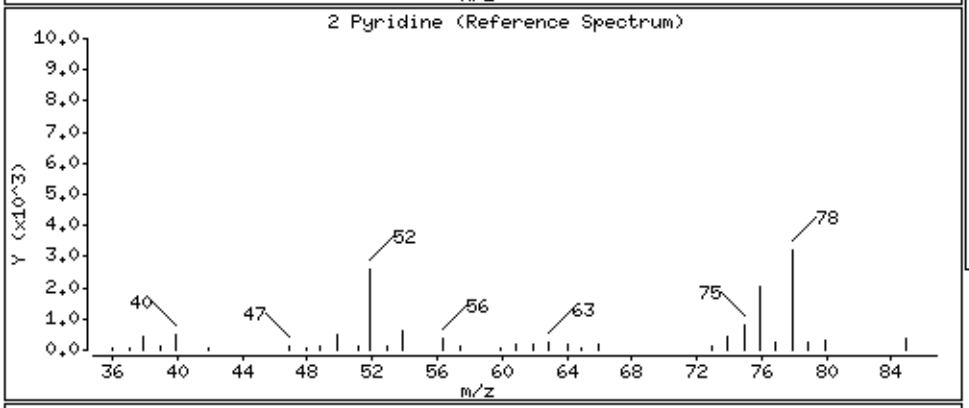
2 Pyridine

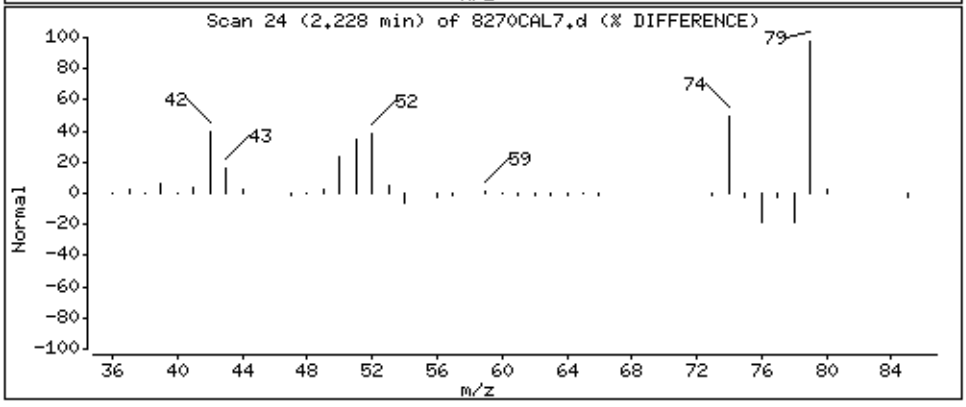












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

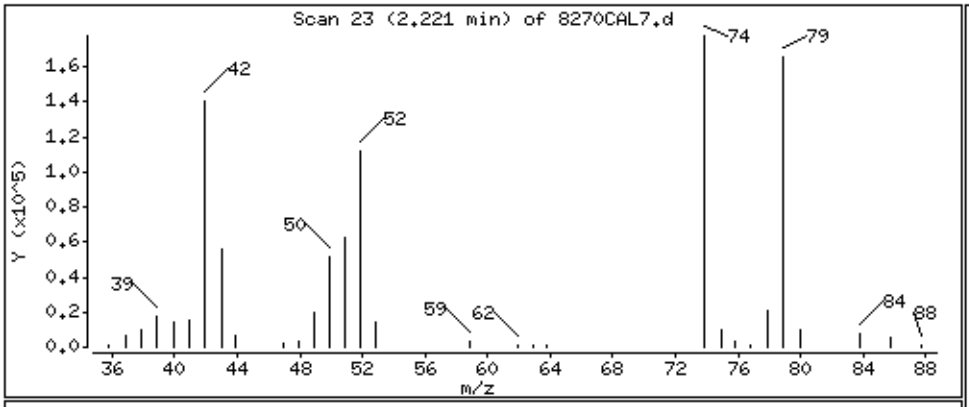
Sample Info: 47763

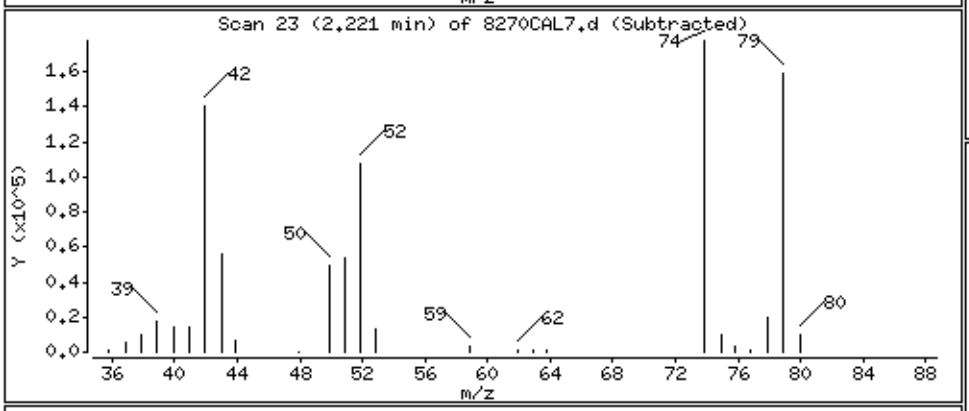
Operator: MJ

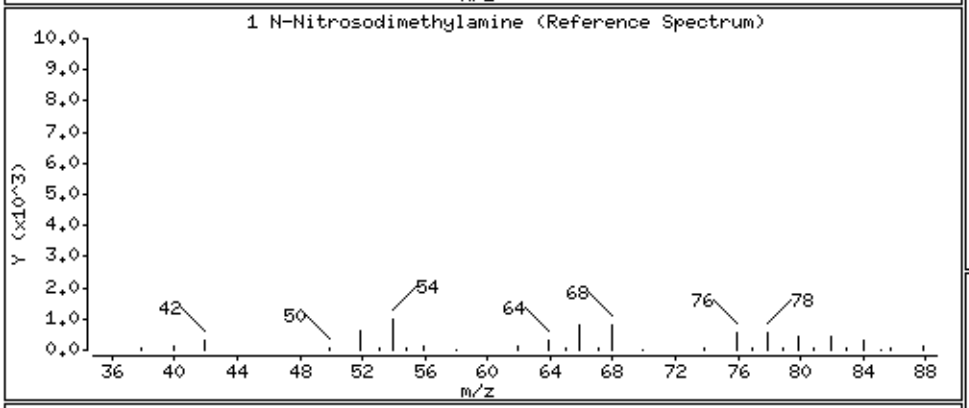
Column phase: HPMS-5

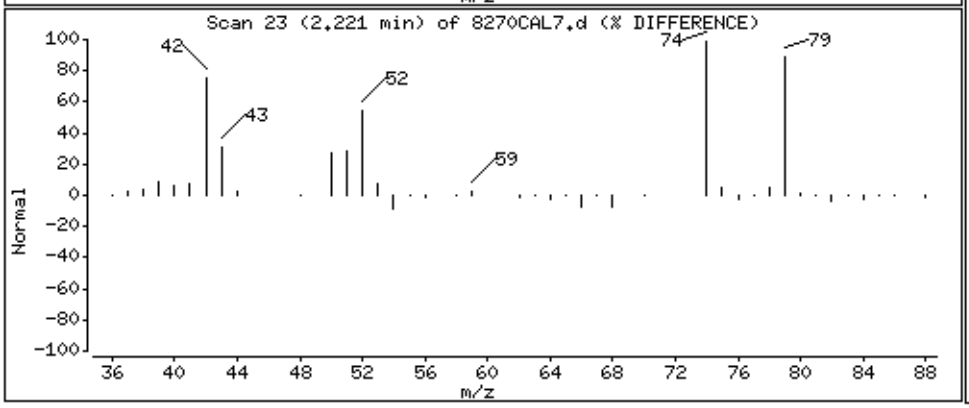
Column diameter: 0.25

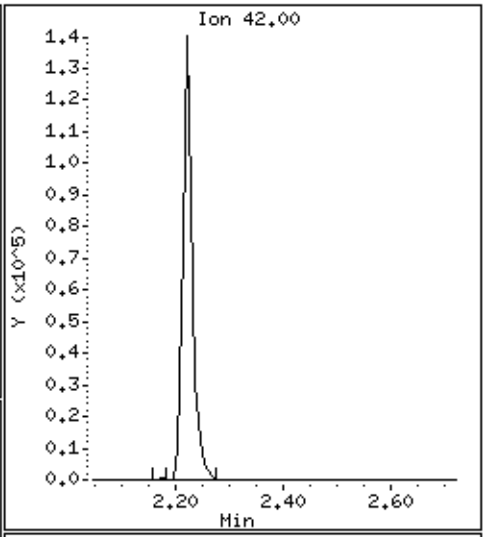
1 N-Nitrosodimethylamine

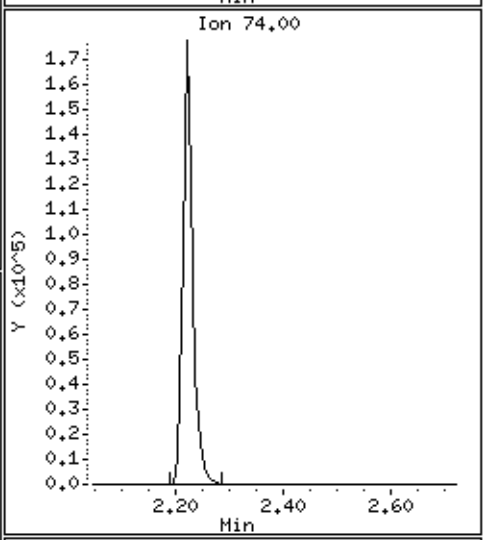


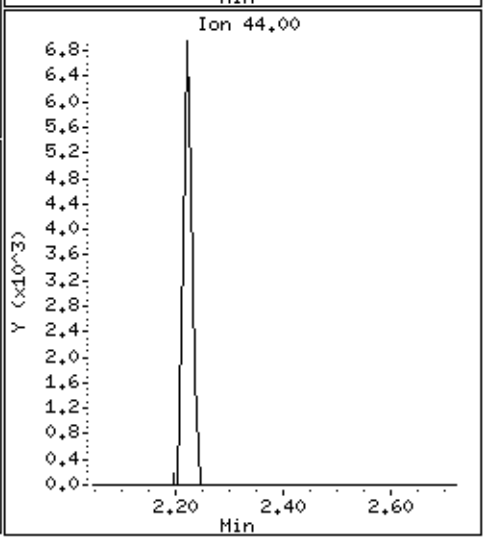












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

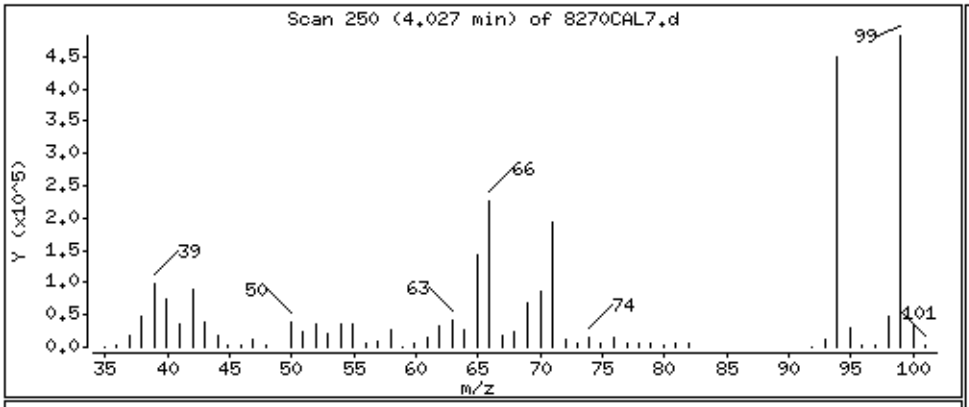
Sample Info: 47763

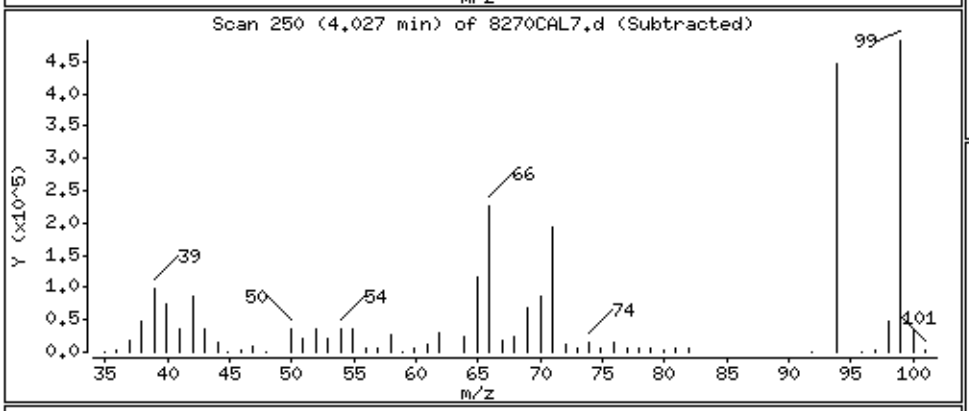
Operator: MJ

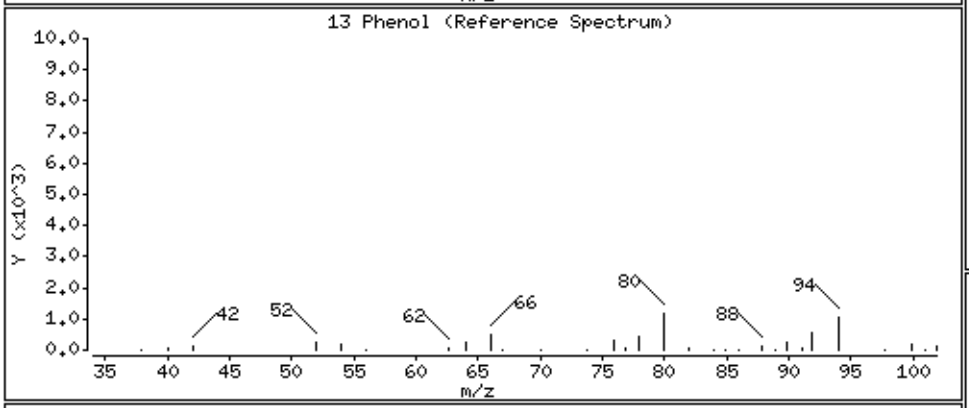
Column phase: HPMS-5

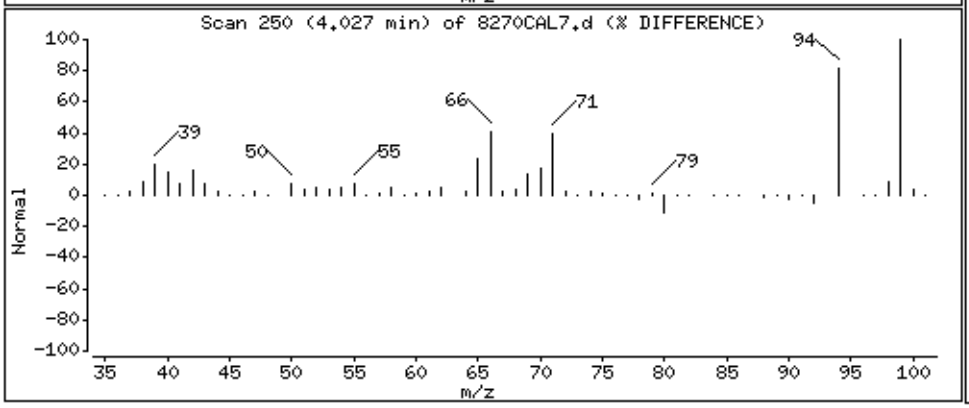
Column diameter: 0.25

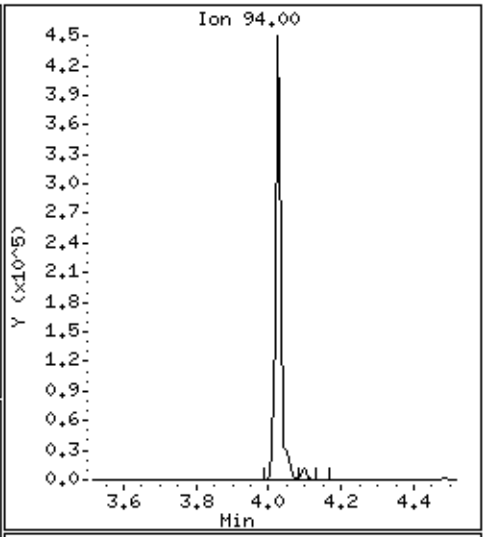
13 Phenol

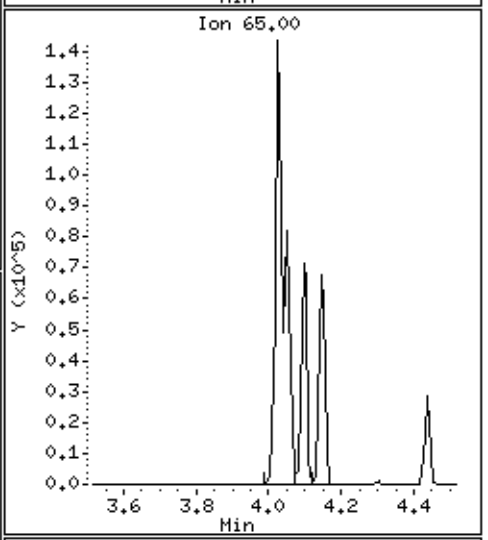


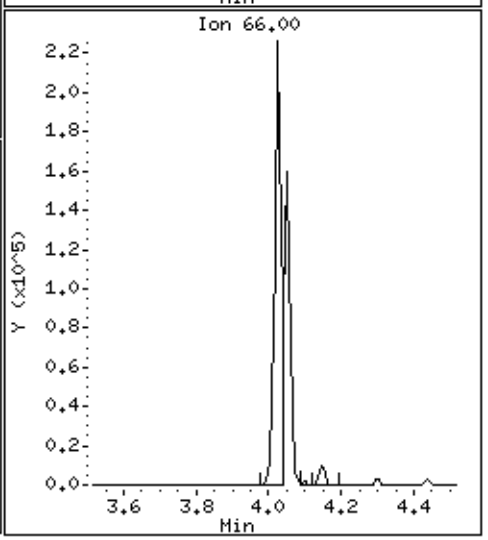












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

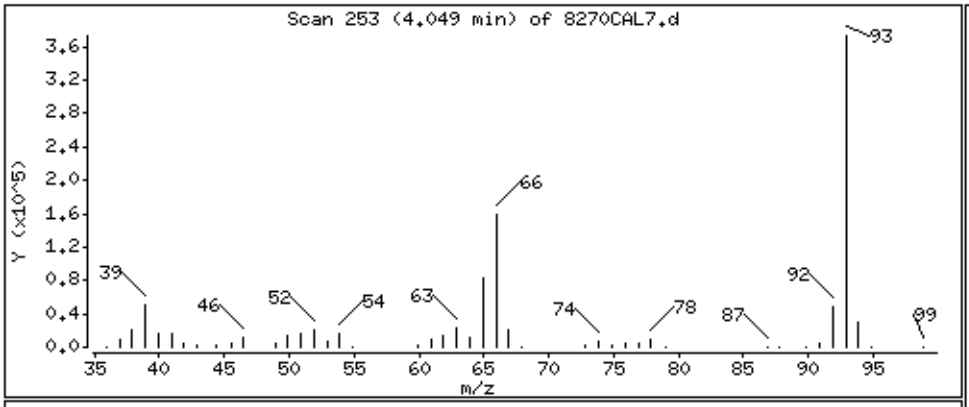
Sample Info: 47763

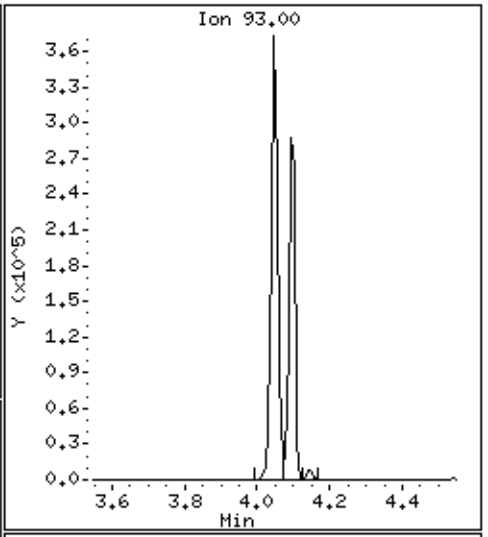
Operator: MJ

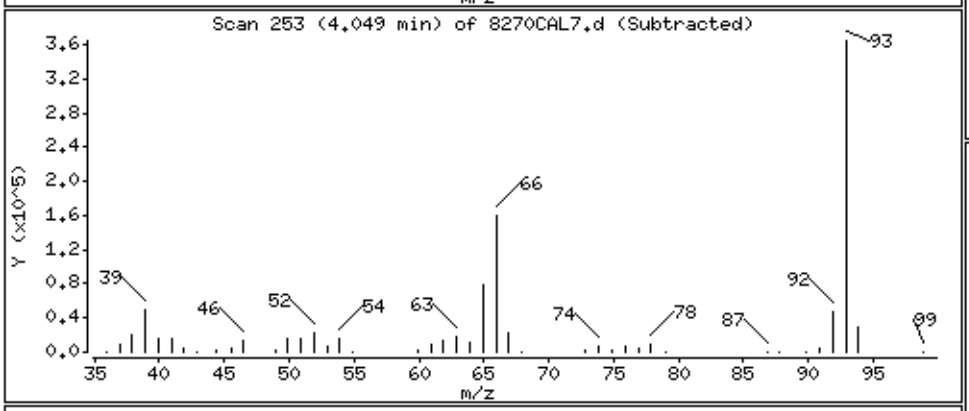
Column phase: HPMS-5

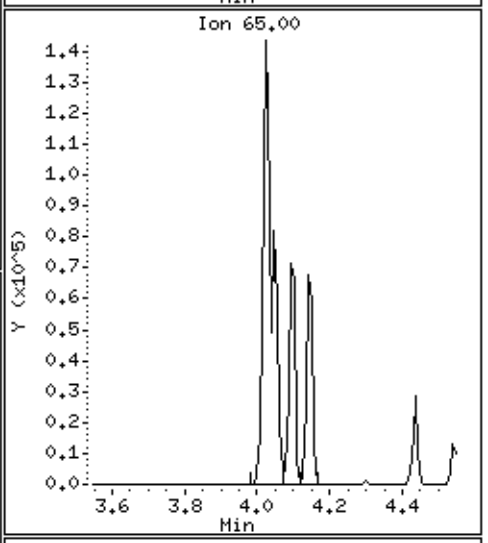
Column diameter: 0.25

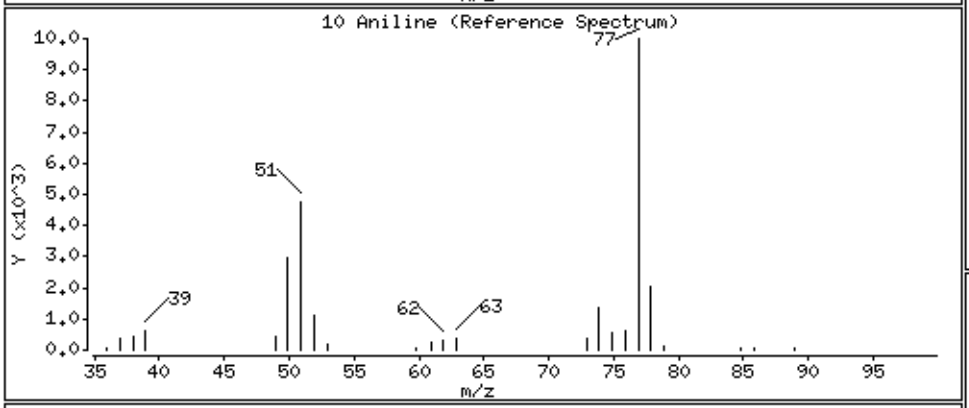
10 Aniline

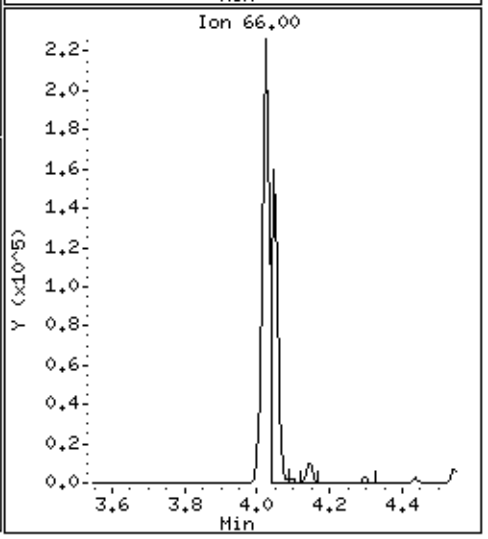


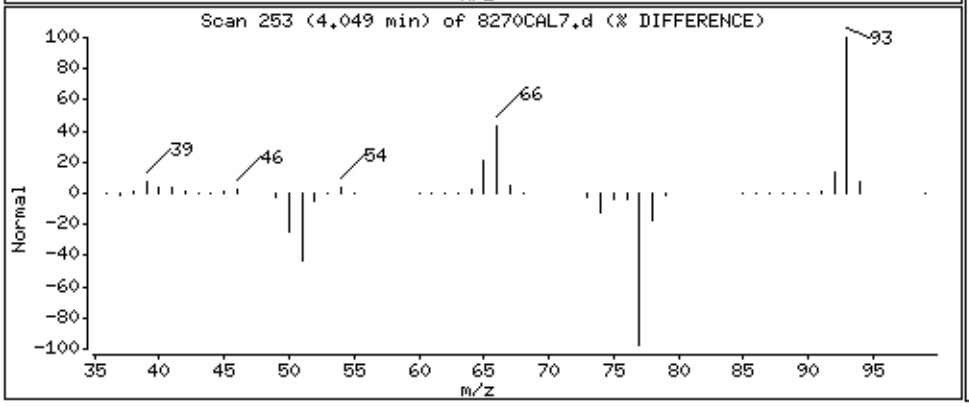












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

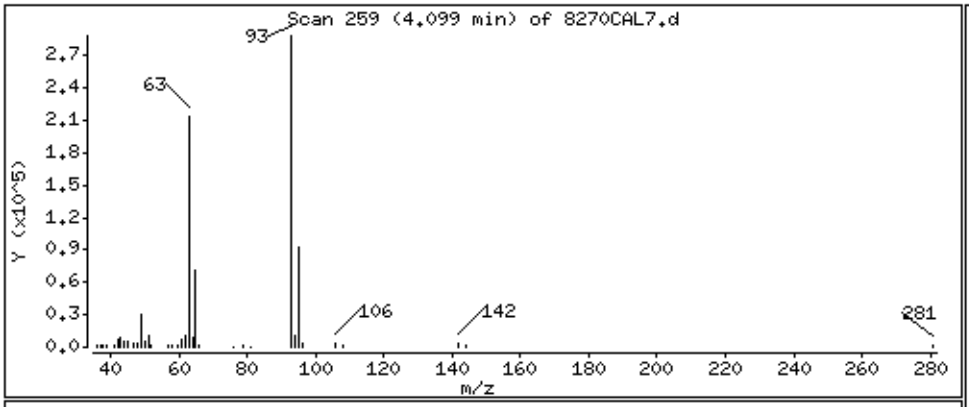
Sample Info: 47763

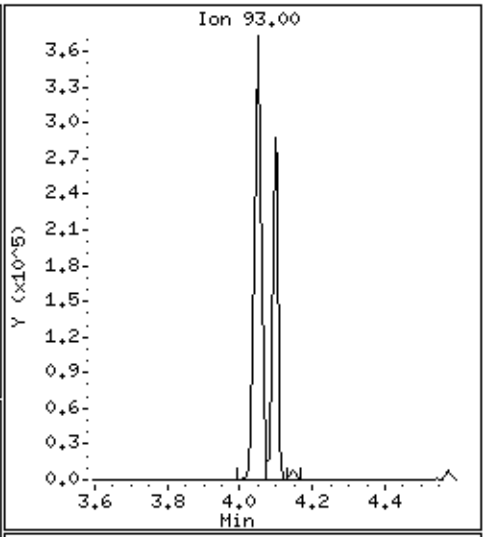
Operator: MJ

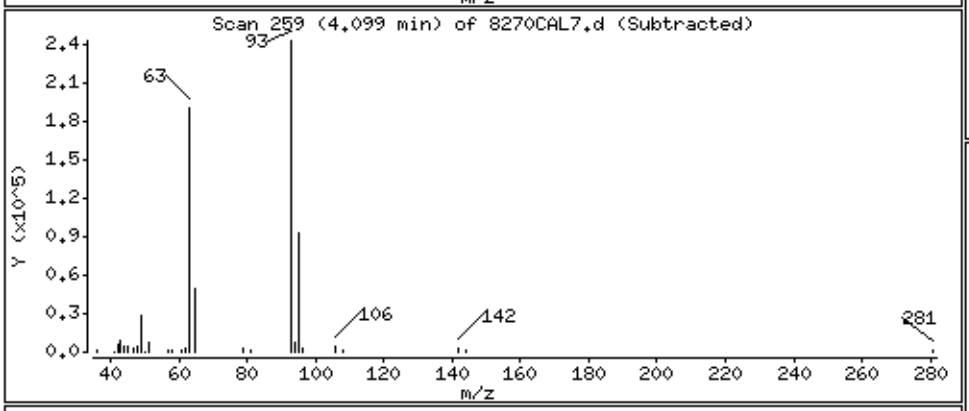
Column phase: HPMS-5

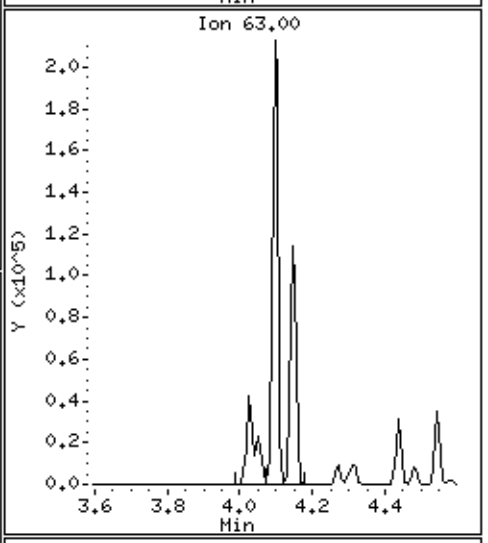
Column diameter: 0.25

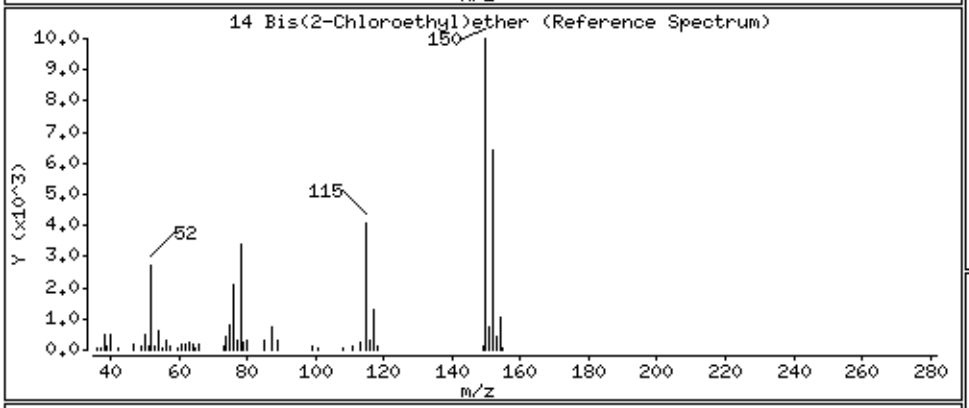
14 Bis(2-Chloroethyl)ether

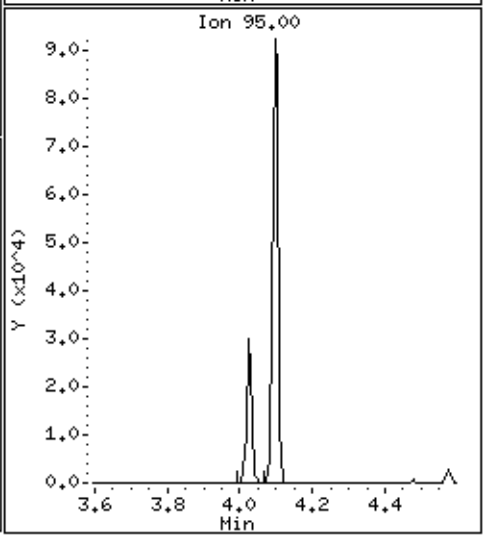


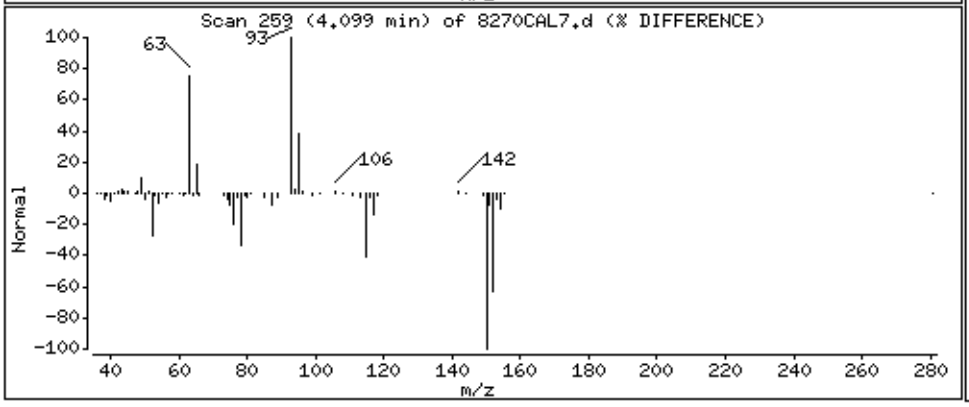












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

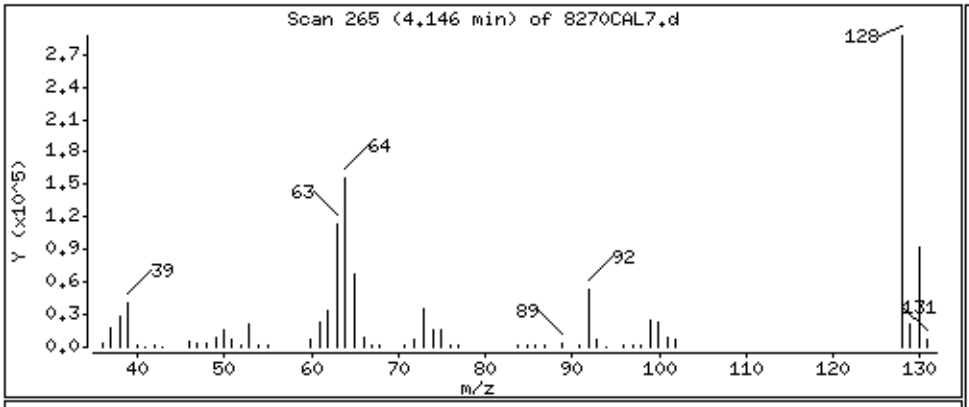
Sample Info: 47763

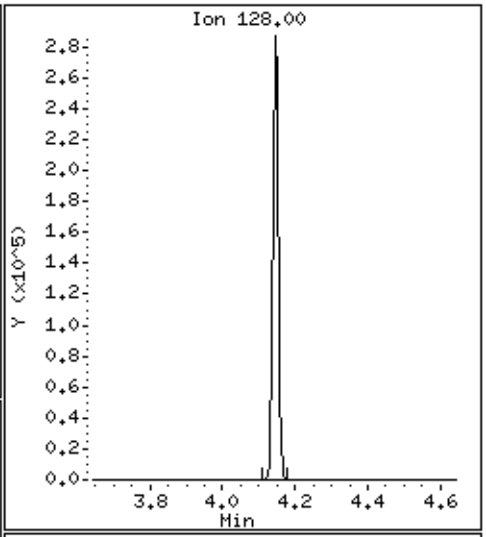
Operator: MJ

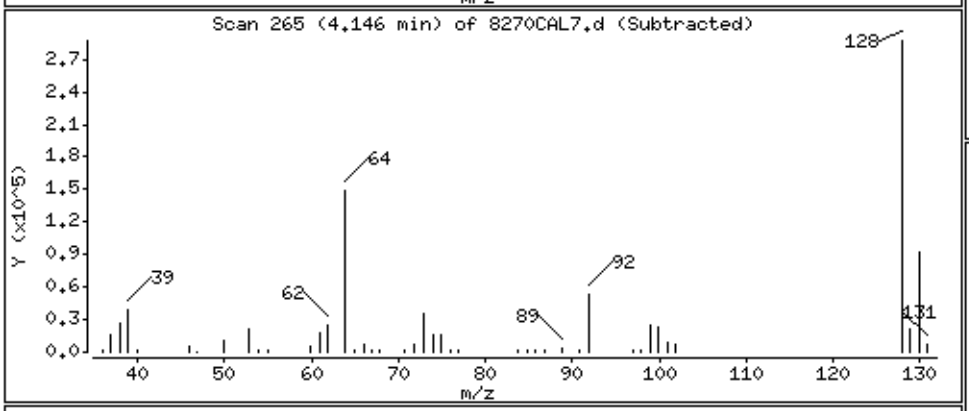
Column phase: HPMS-5

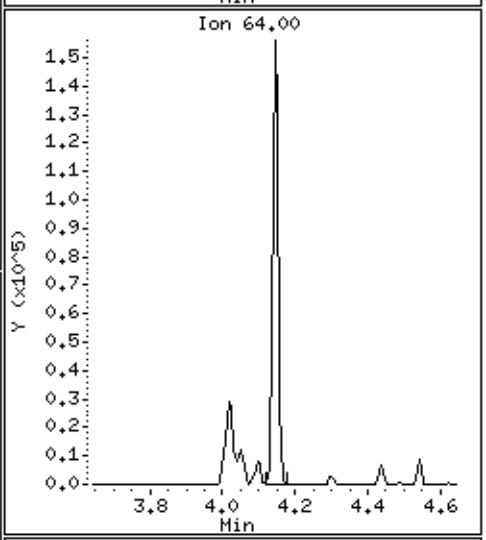
Column diameter: 0.25

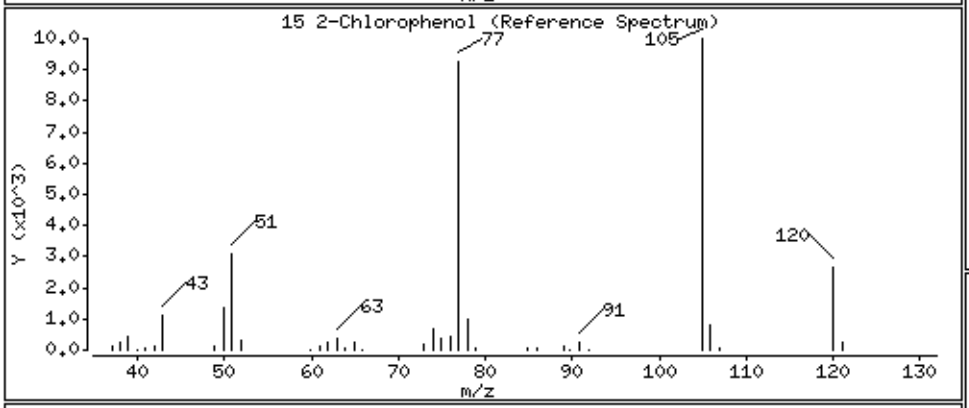
15 2-Chlorophenol

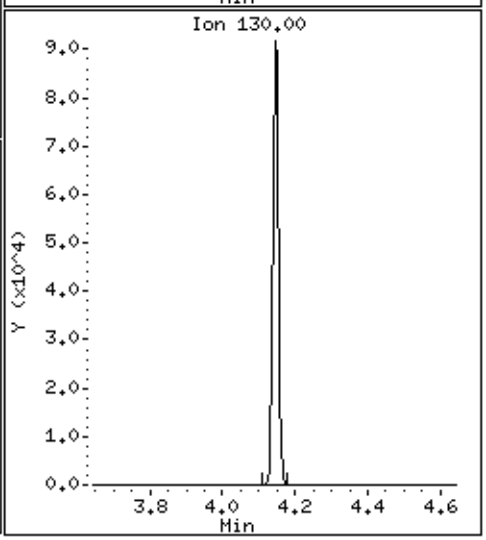


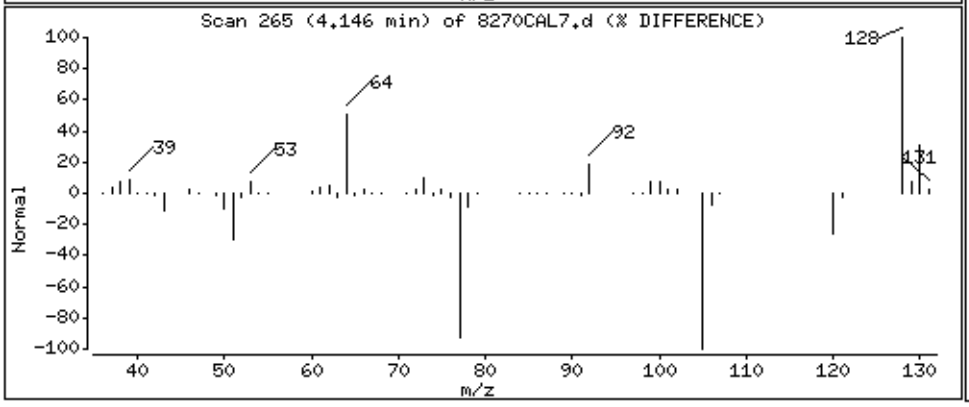












Date : 14-NOV-2012 22:40

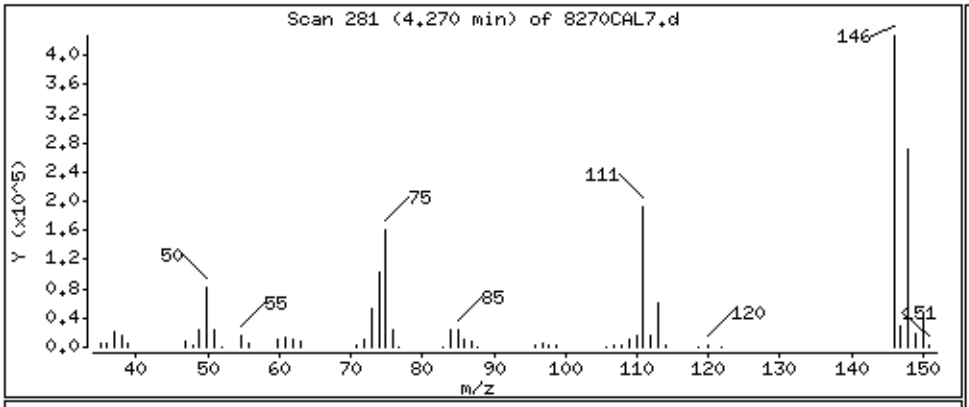
Client ID: 8270CAL7 Instrument: smsd04.i

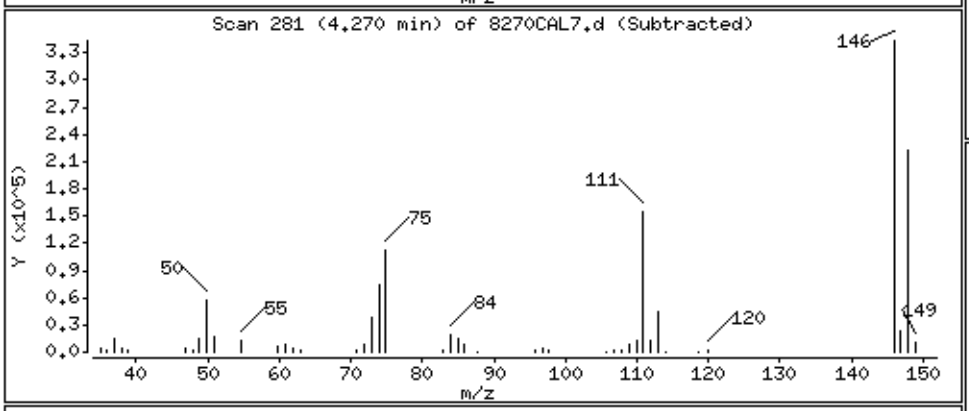
Sample Info: 47763

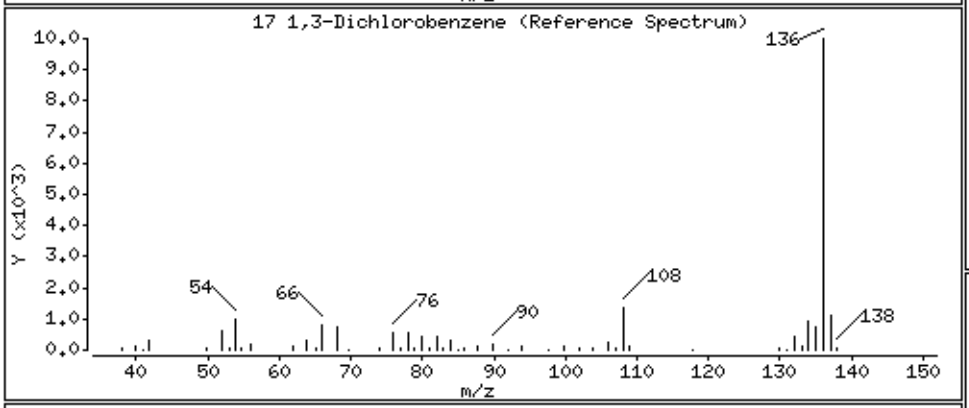
Operator: MJ

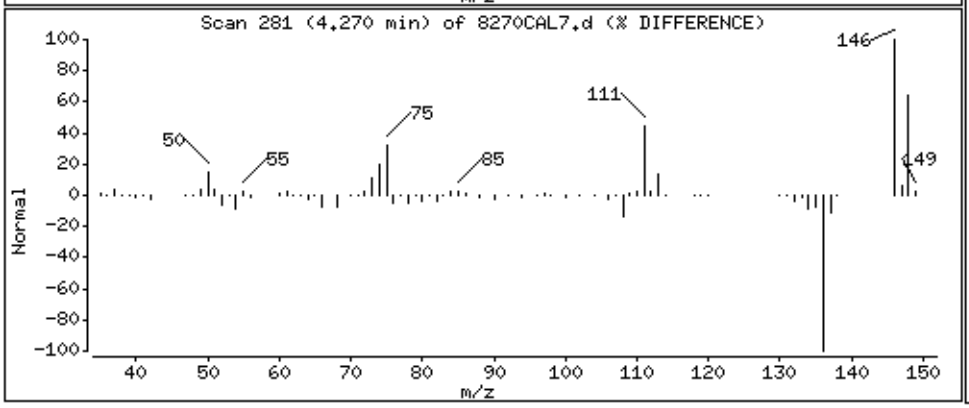
Column phase: HPMS-5 Column diameter: 0.25

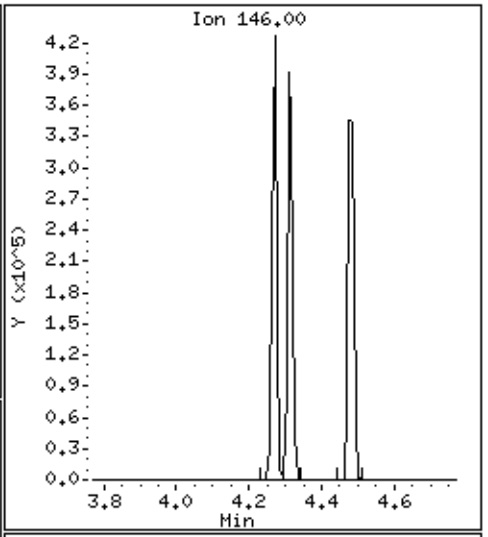
17 1,3-Dichlorobenzene

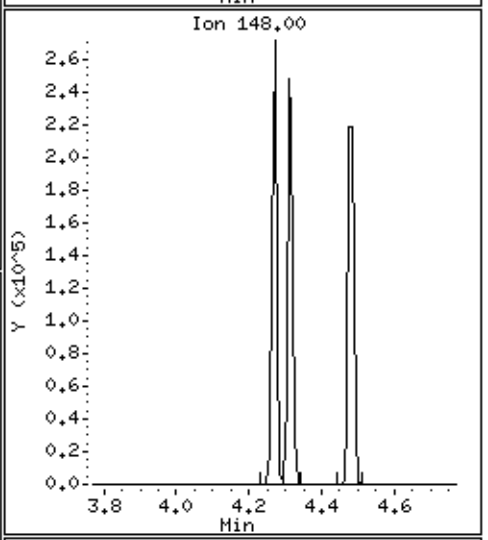


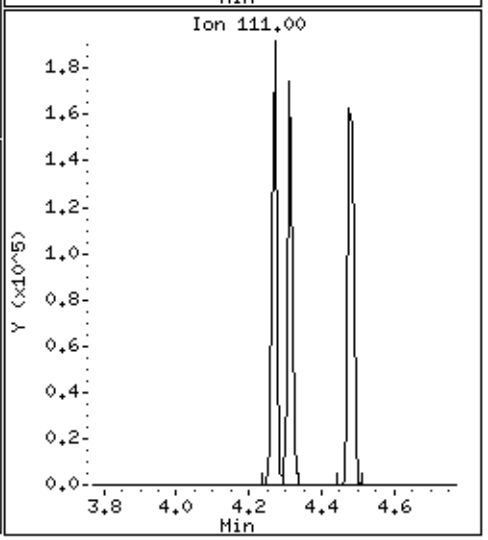












Date : 14-NOV-2012 22:40

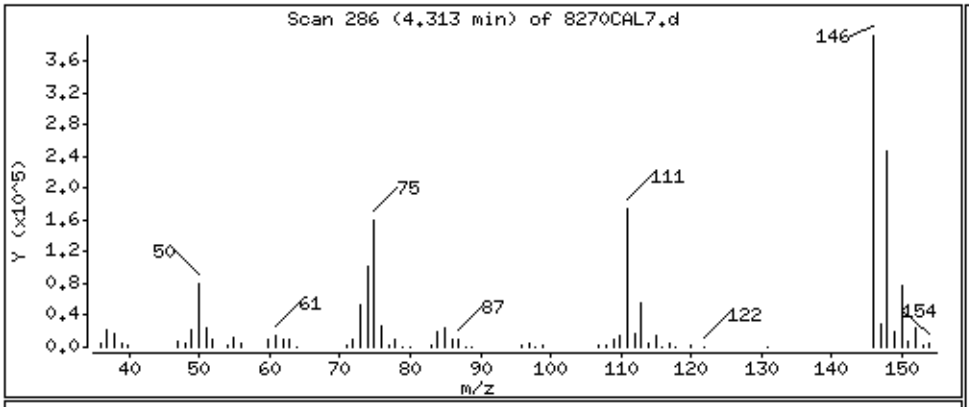
Client ID: 8270CAL7 Instrument: smsd04.i

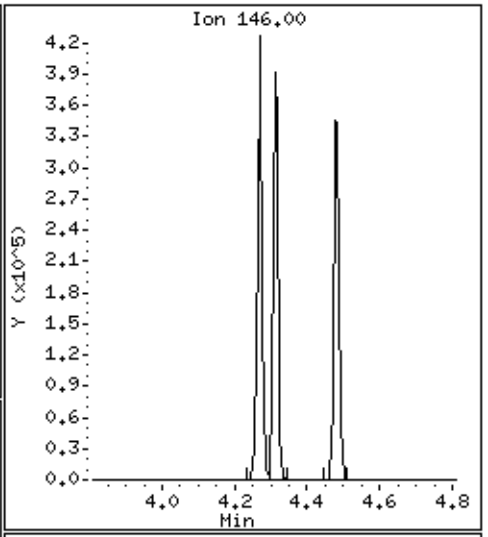
Sample Info: 47763

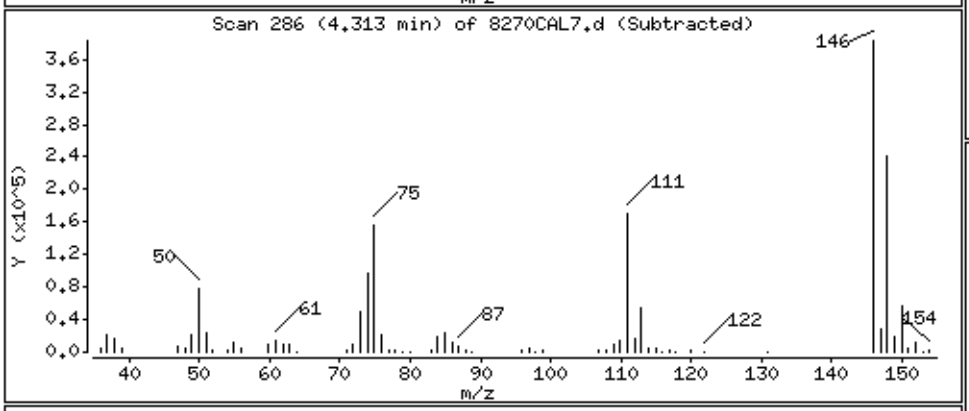
Operator: MJ

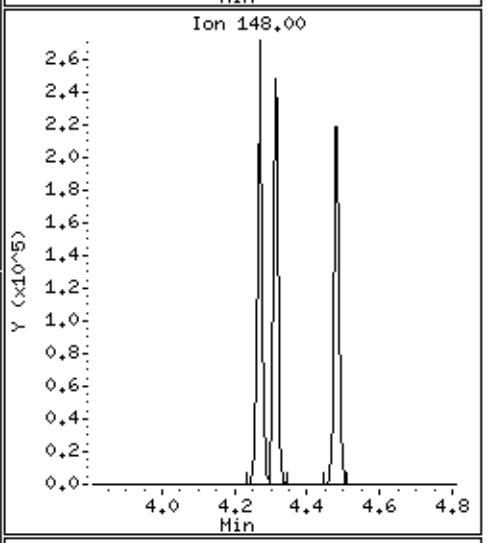
Column phase: HPMS-5 Column diameter: 0.25

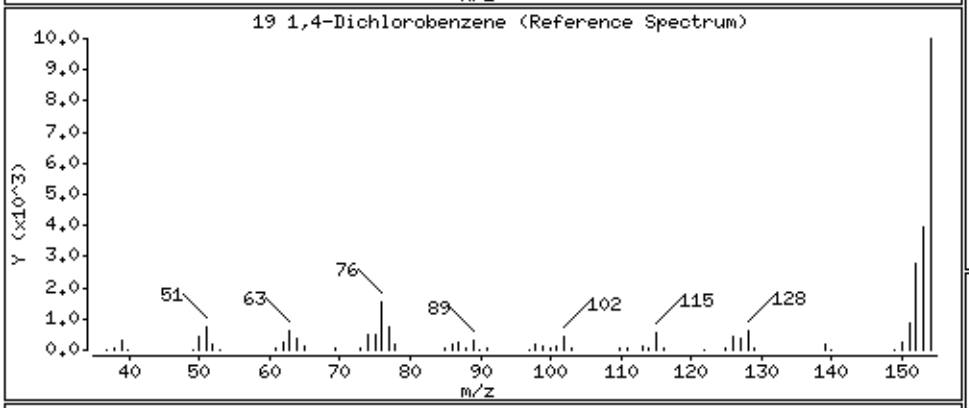
19 1,4-Dichlorobenzene

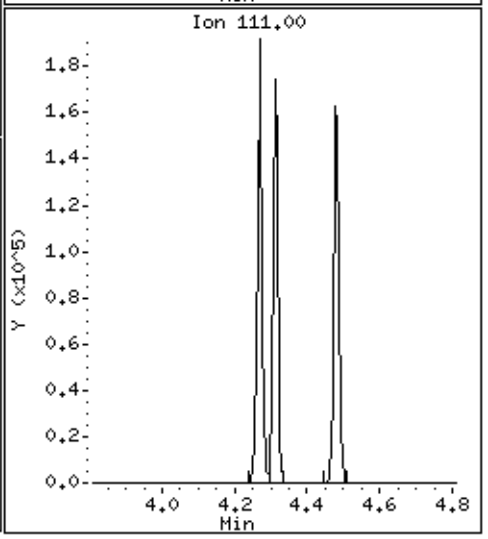


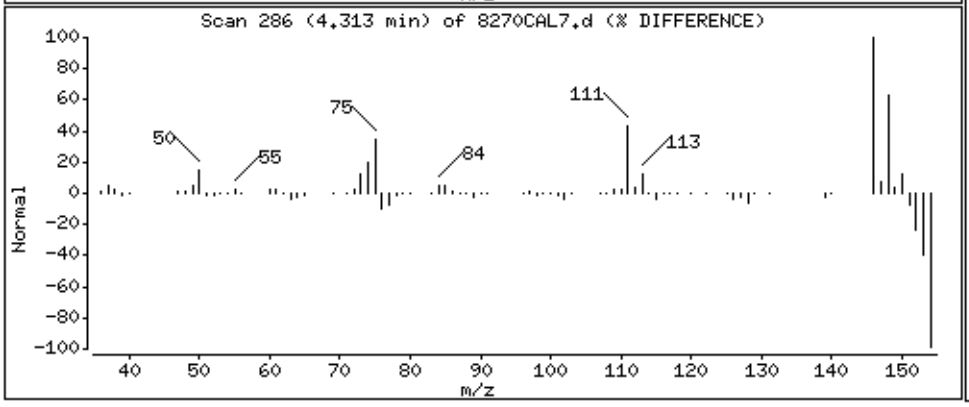












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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

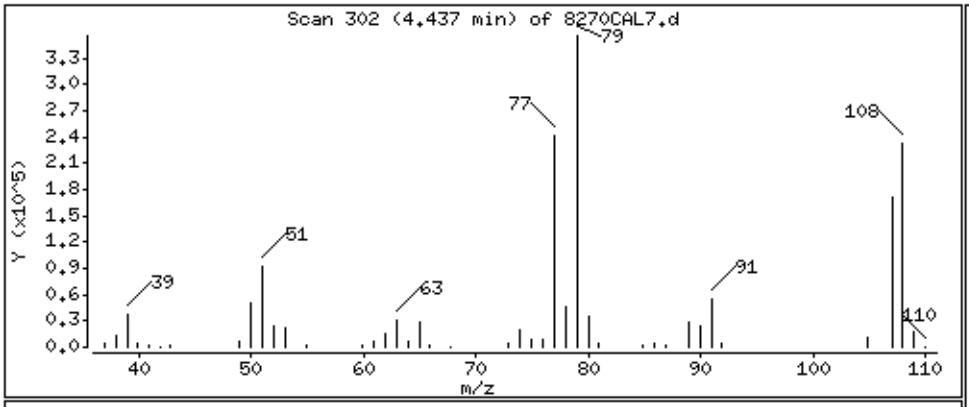
Sample Info: 47763

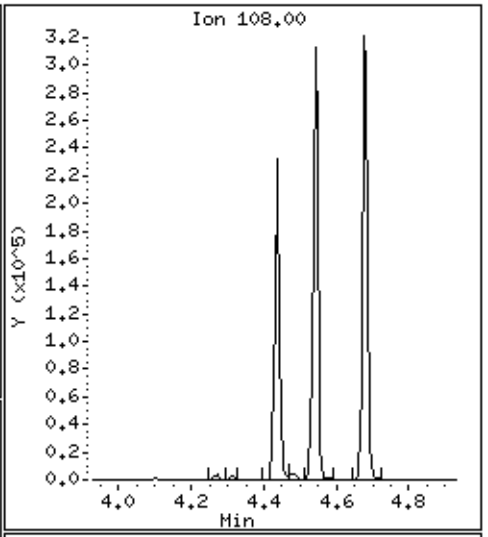
Operator: MJ

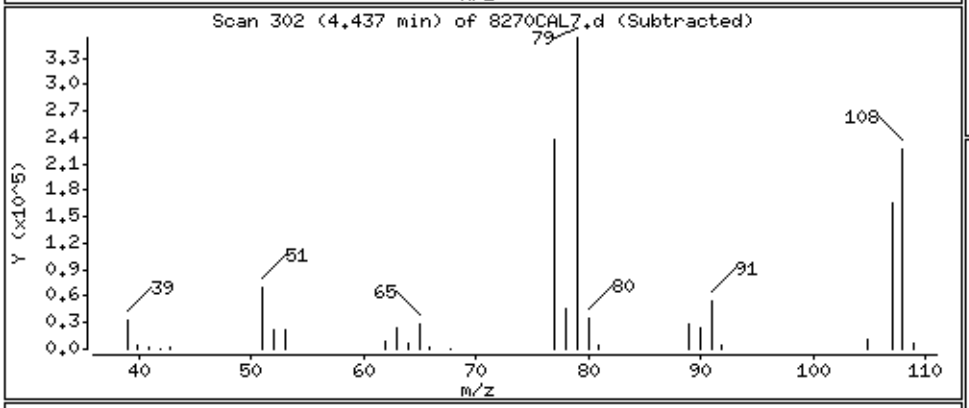
Column phase: HPMS-5

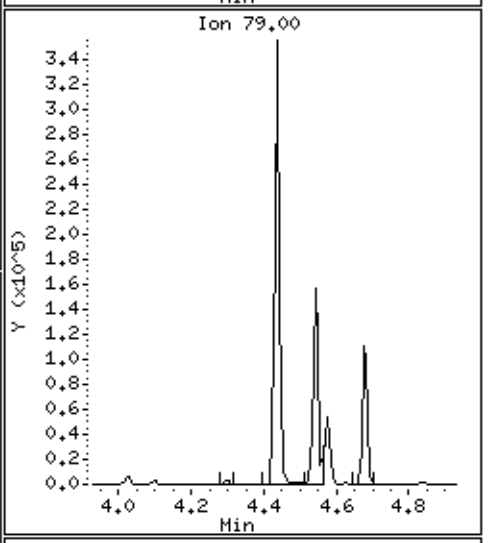
Column diameter: 0.25

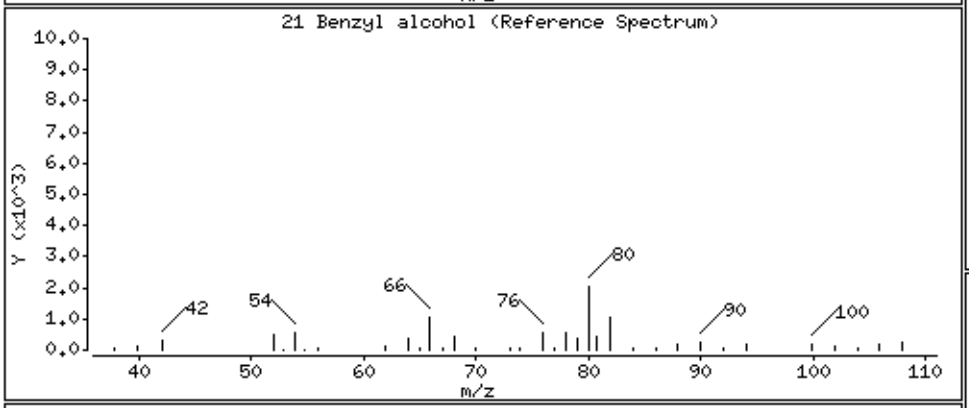
21 Benzyl alcohol

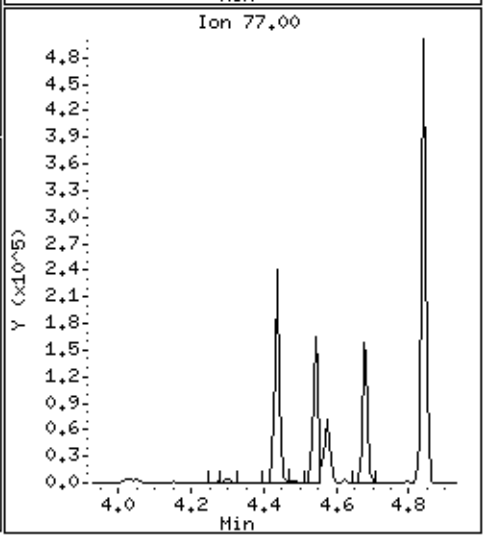


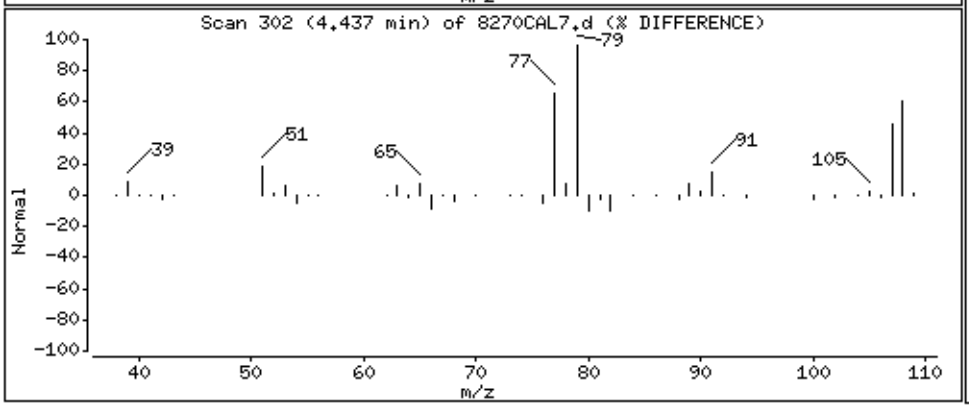












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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

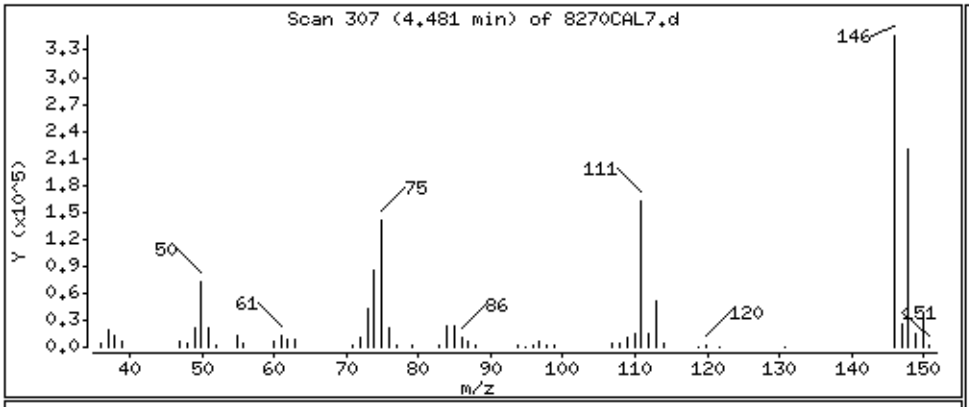
Sample Info: 47763

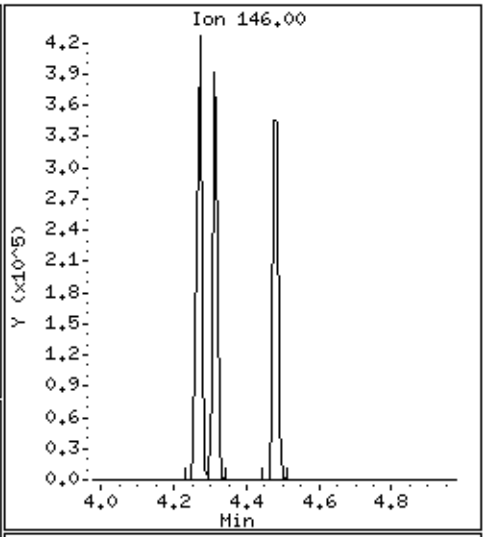
Operator: MJ

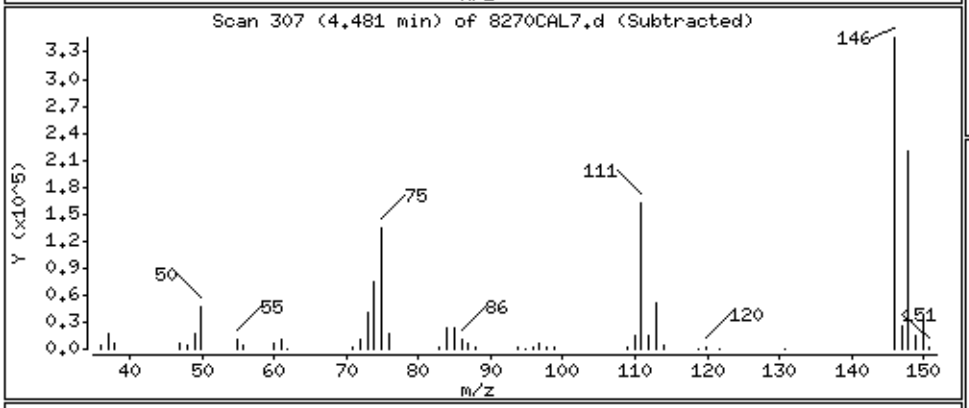
Column phase: HPMS-5

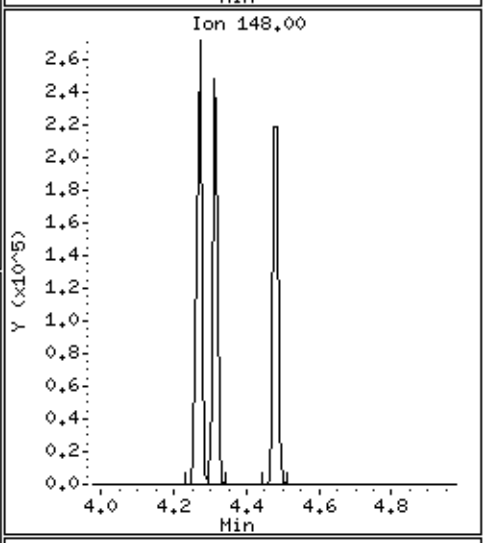
Column diameter: 0.25

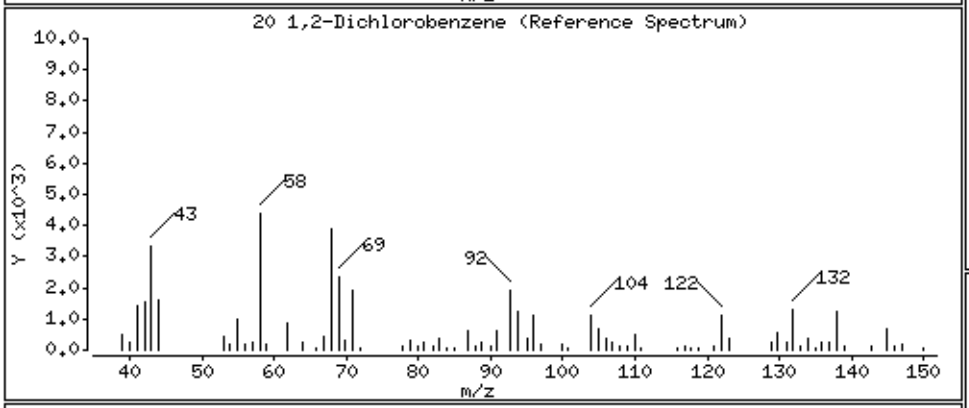
20 1,2-Dichlorobenzene

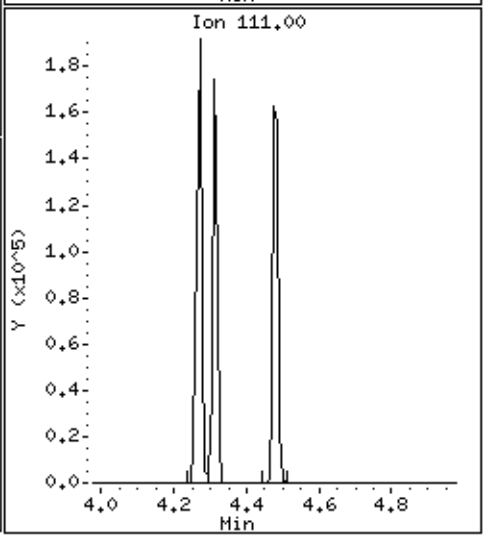


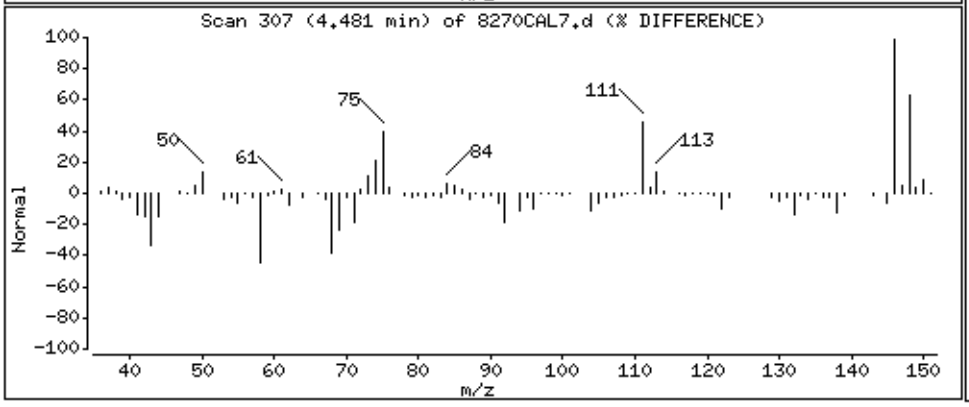












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

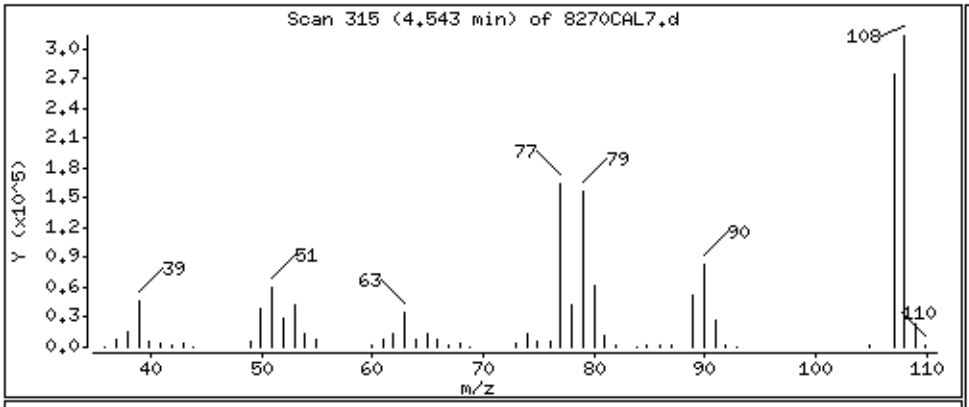
Sample Info: 47763

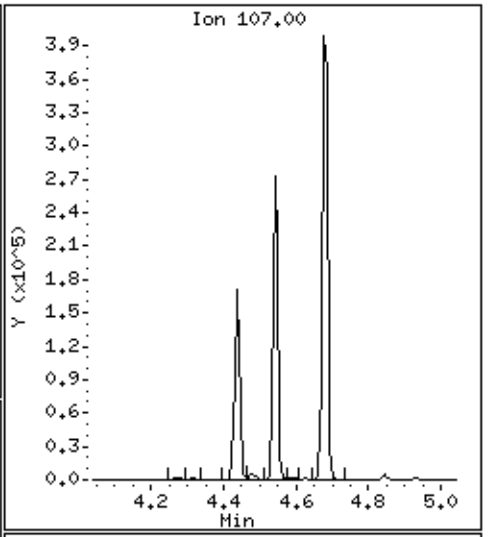
Operator: MJ

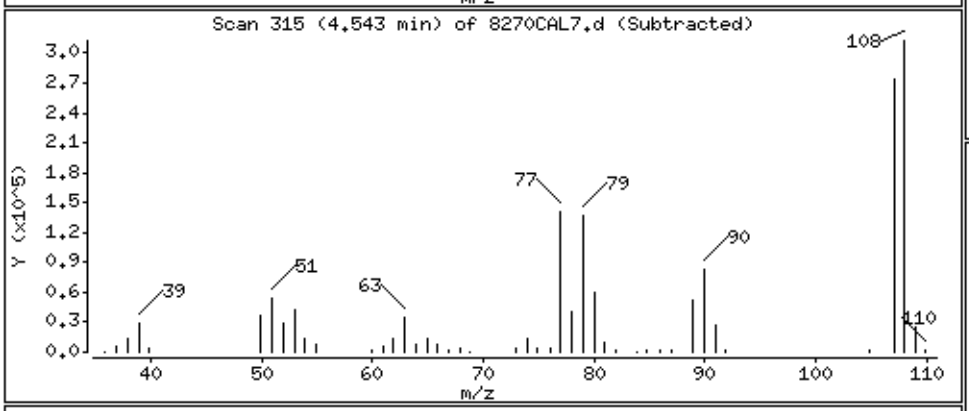
Column phase: HPMS-5

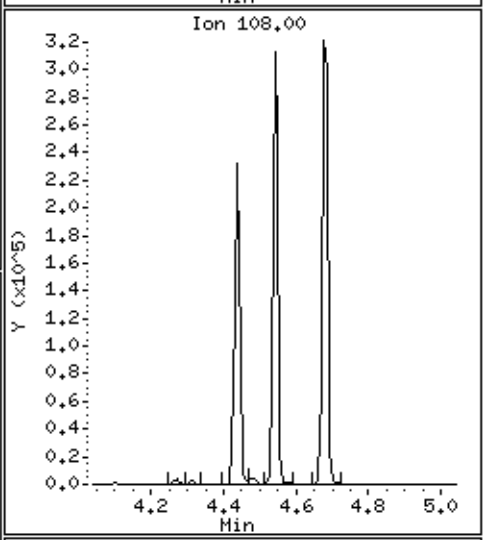
Column diameter: 0.25

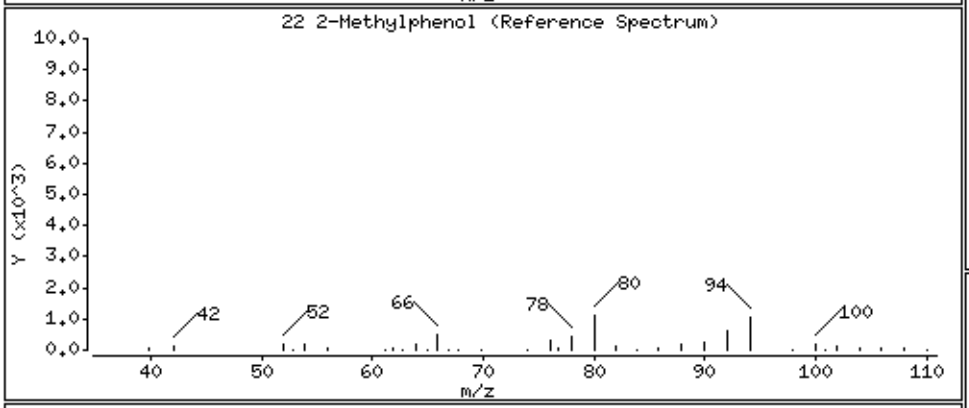
22 2-Methylphenol

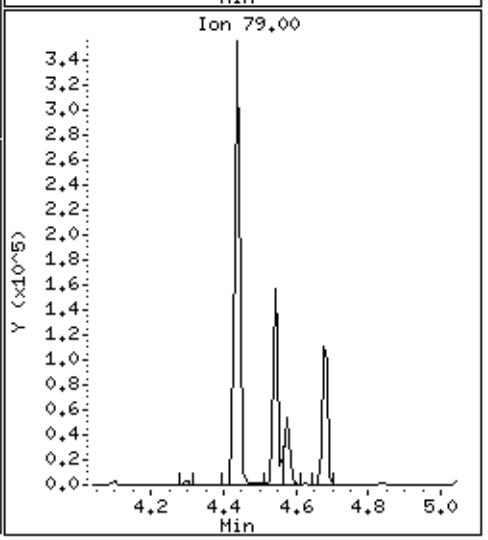


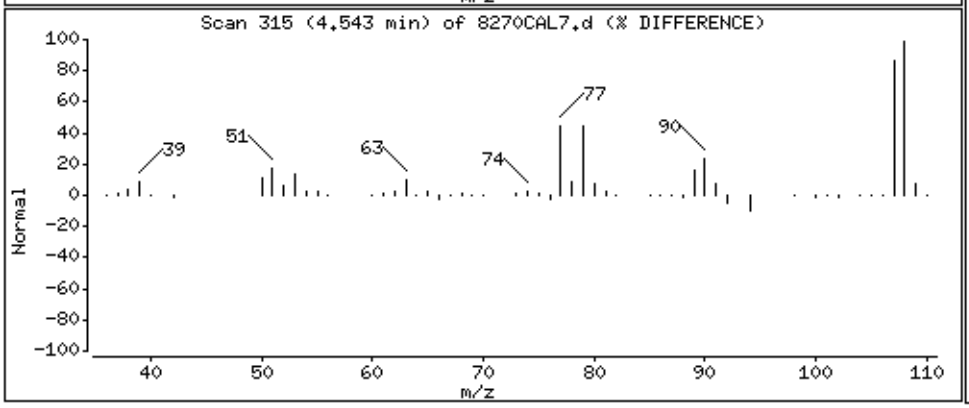












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

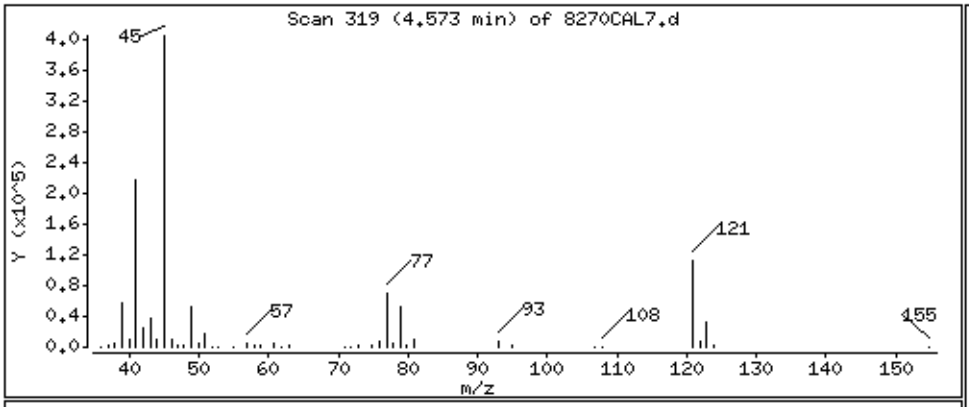
Sample Info: 47763

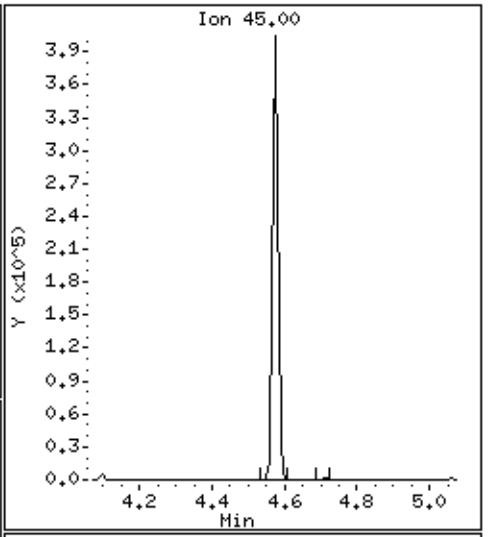
Operator: MJ

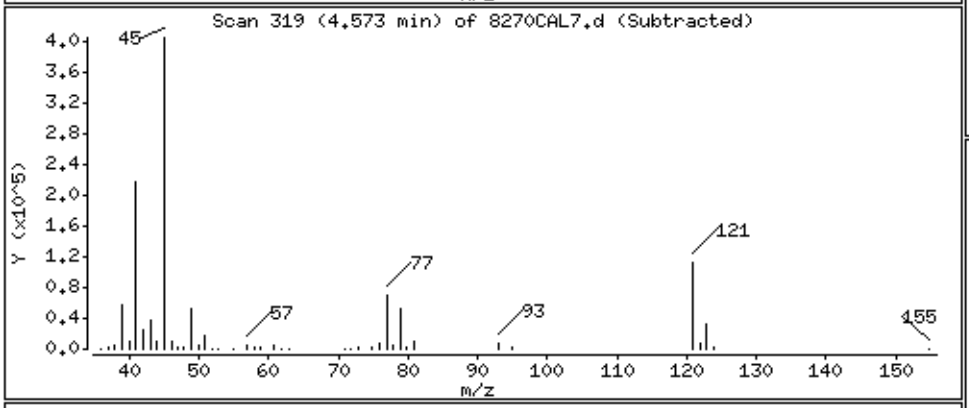
Column phase: HPMS-5

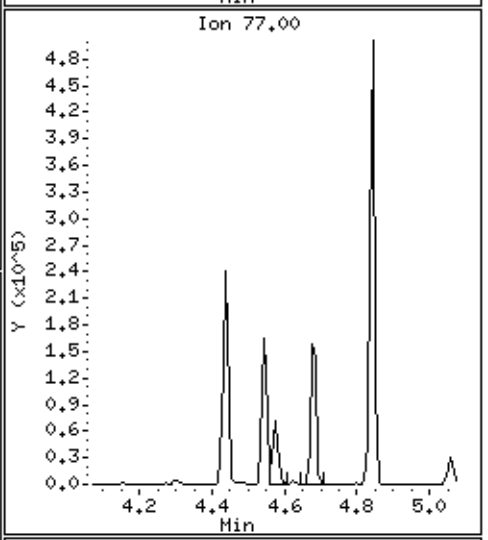
Column diameter: 0.25

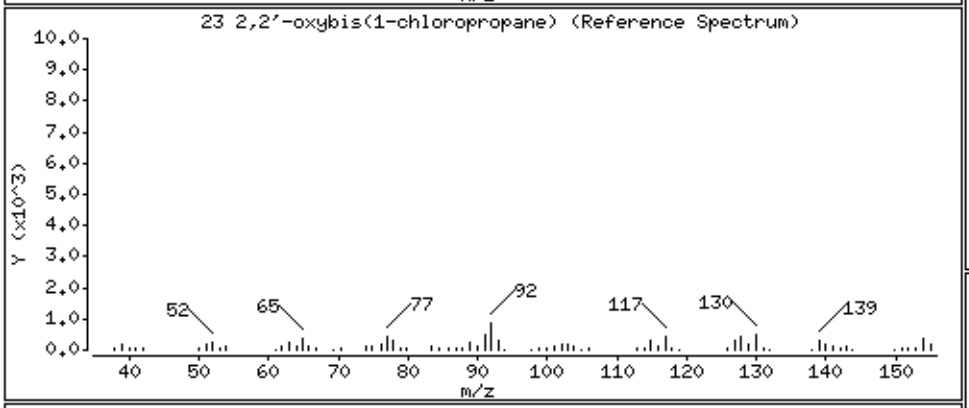
23 2,2'-oxybis(1-chloropropane)

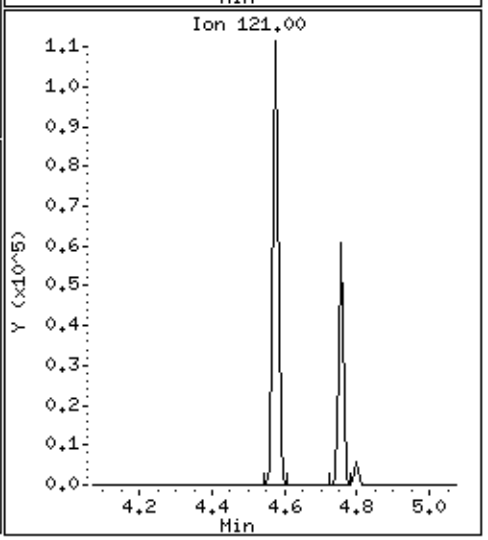


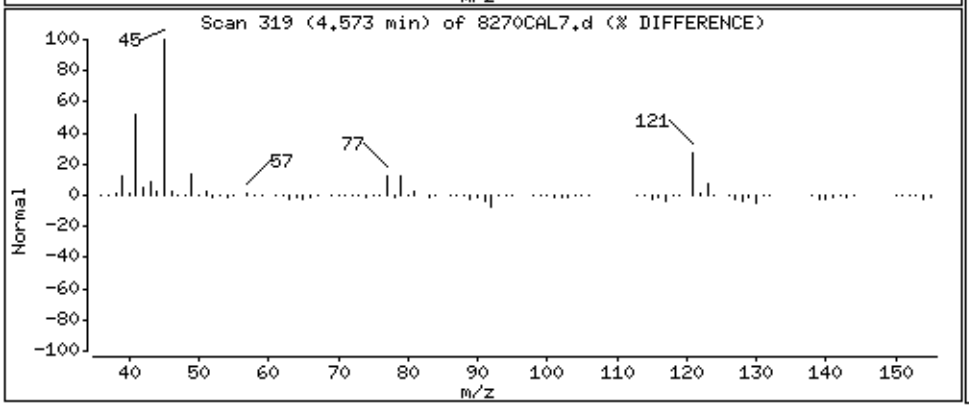












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

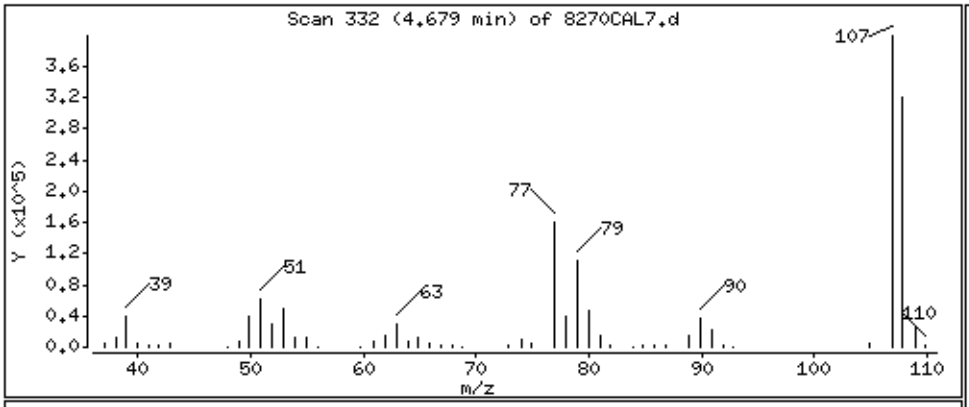
Sample Info: 47763

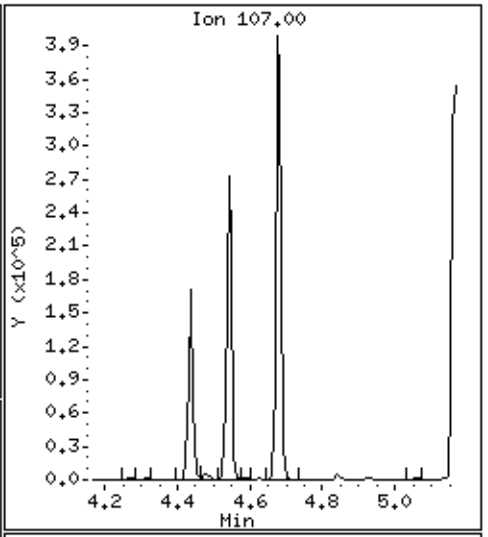
Operator: MJ

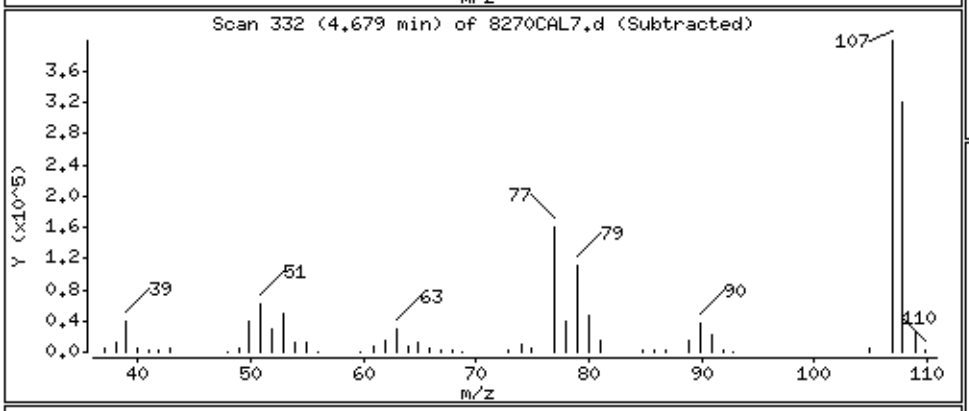
Column phase: HPMS-5

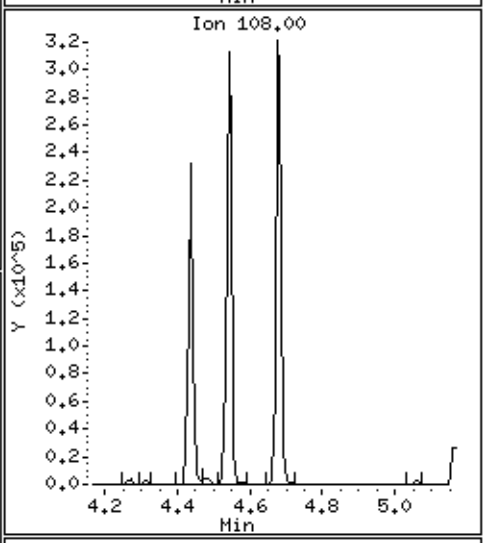
Column diameter: 0.25

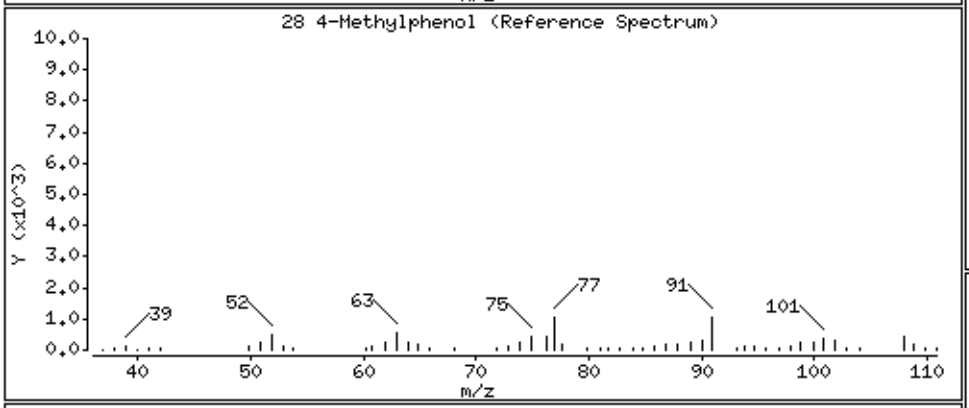
28 4-Methylphenol

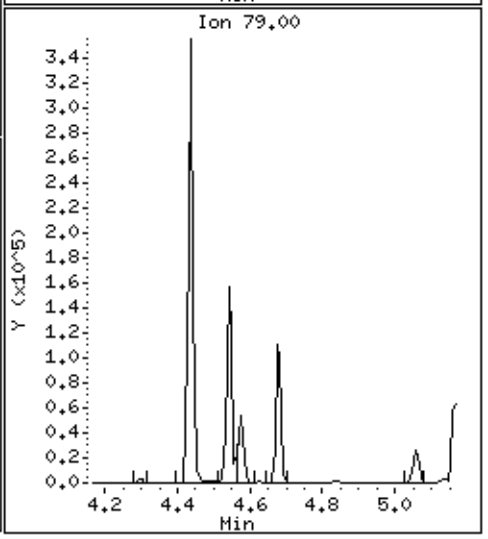


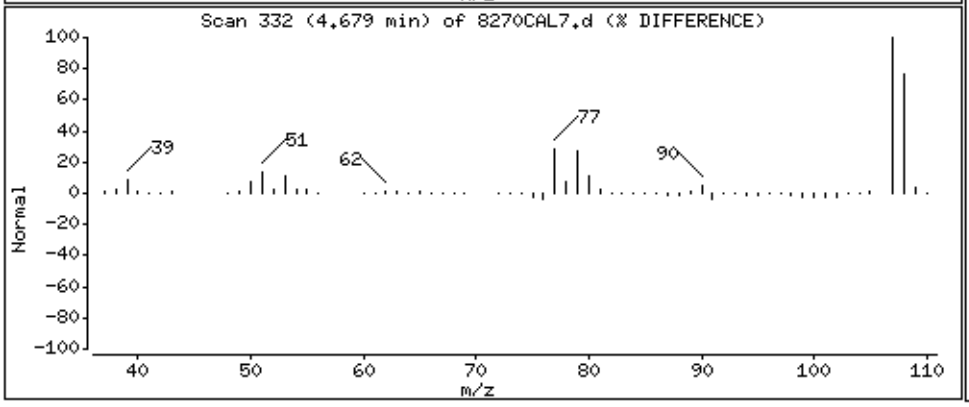












Date : 14-NOV-2012 22:40

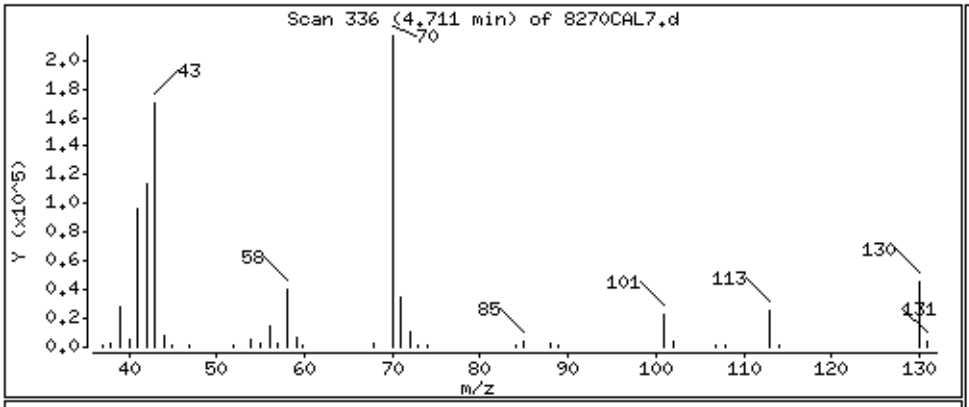
Client ID: 8270CAL7 Instrument: smsd04.i

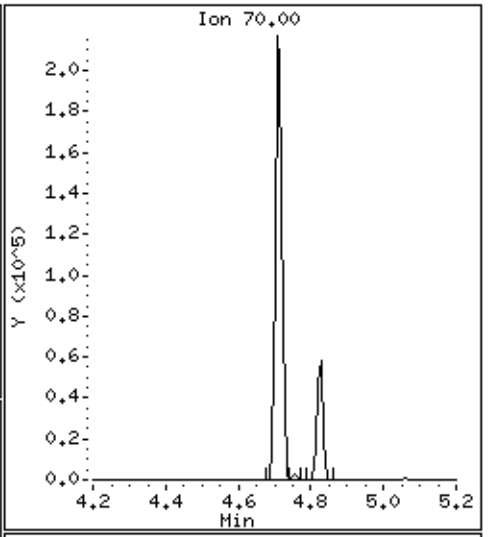
Sample Info: 47763

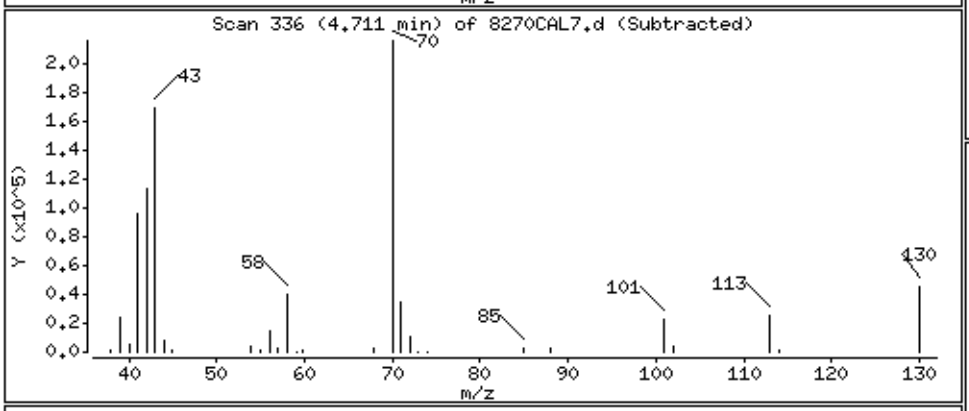
Operator: MJ

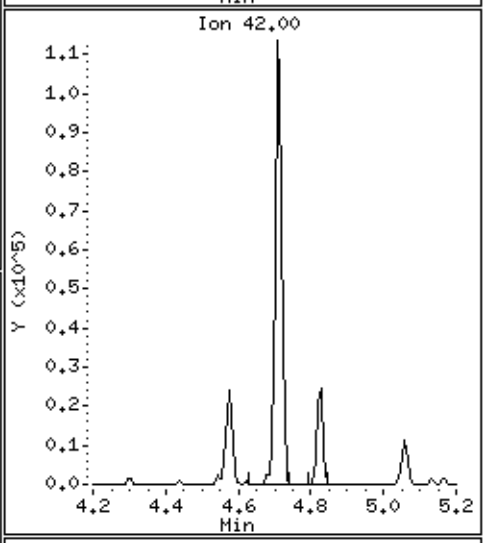
Column phase: HPMS-5 Column diameter: 0.25

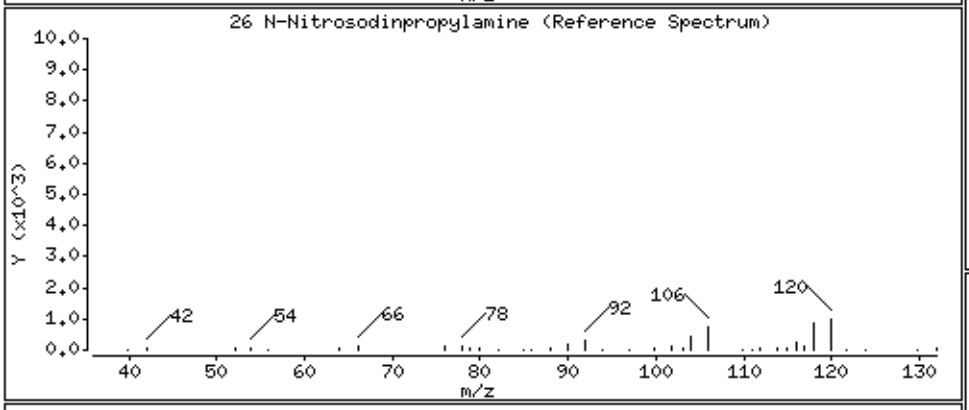
26 N-Nitrosodinpropylamine

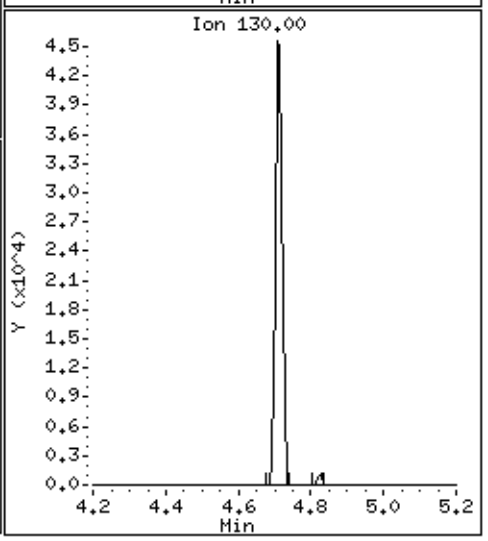


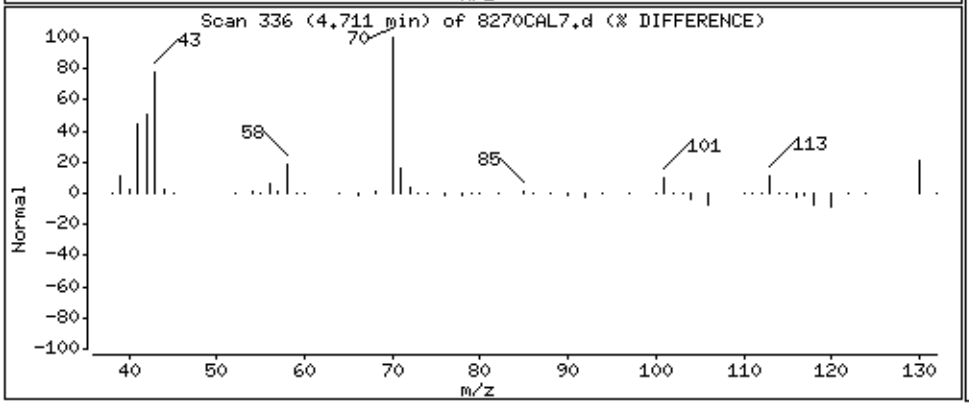












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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

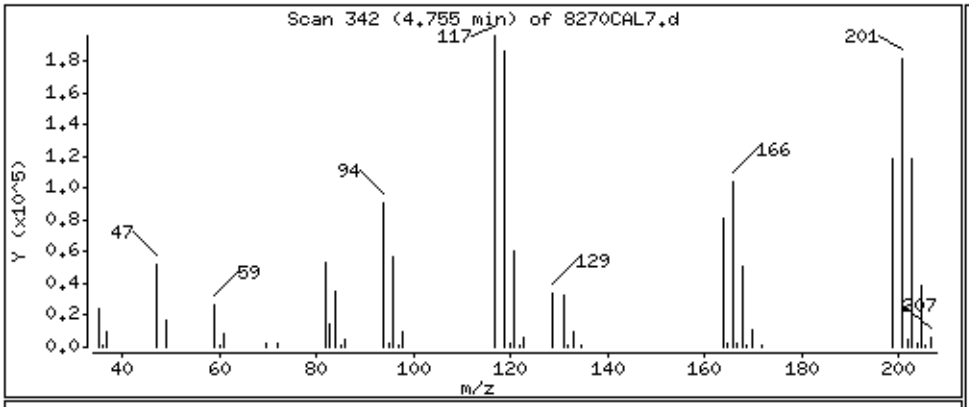
Sample Info: 47763

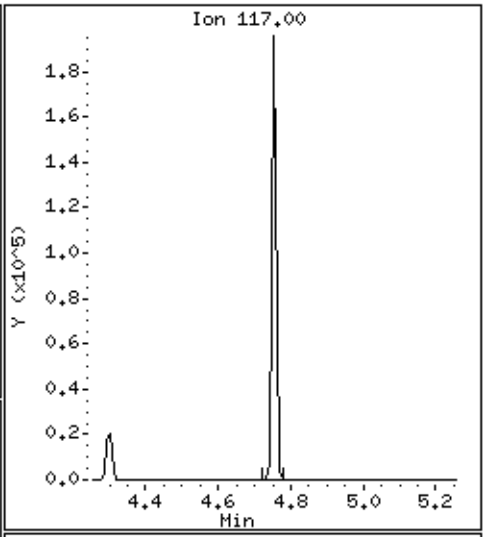
Operator: MJ

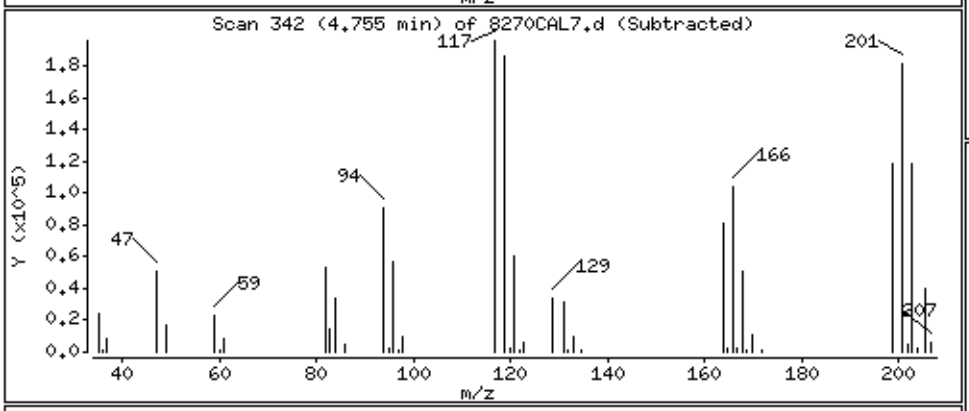
Column phase: HPMS-5

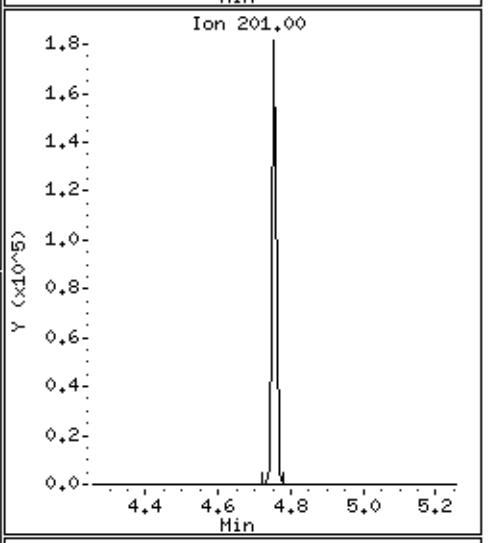
Column diameter: 0.25

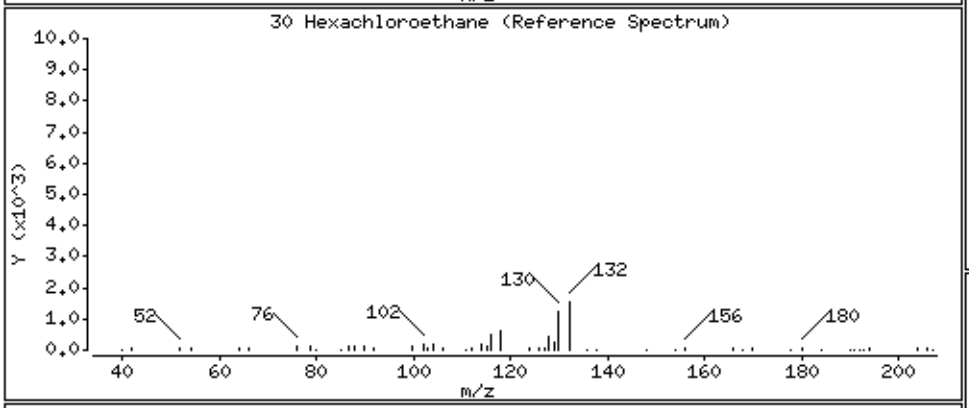
30 Hexachloroethane

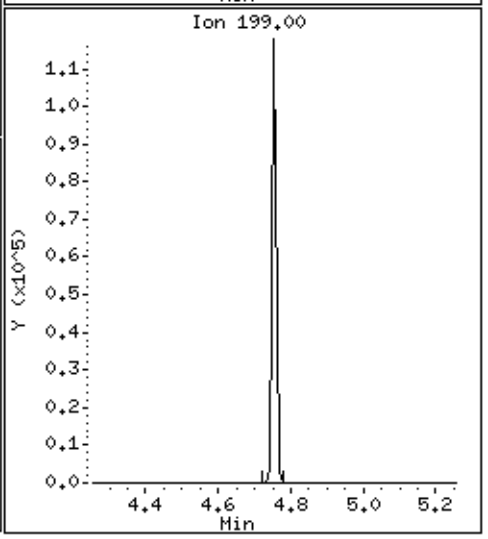


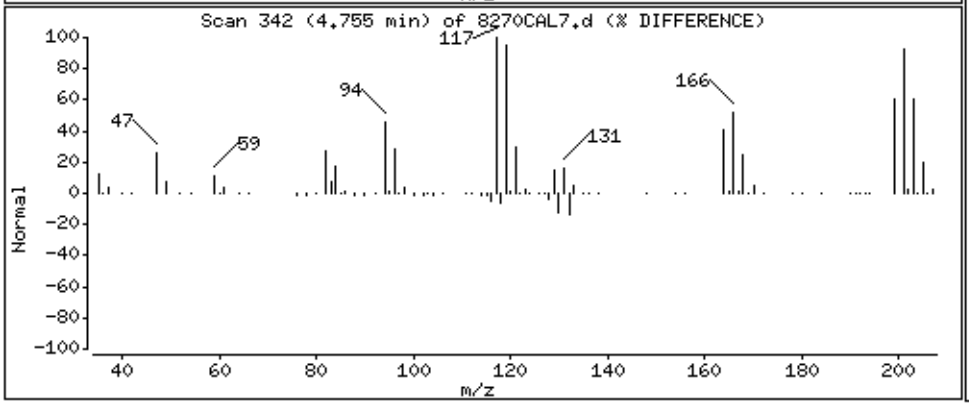












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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

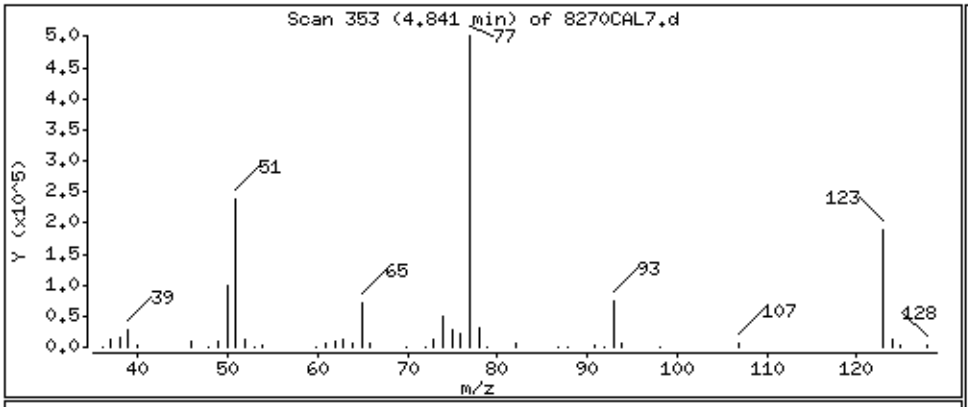
Sample Info: 47763

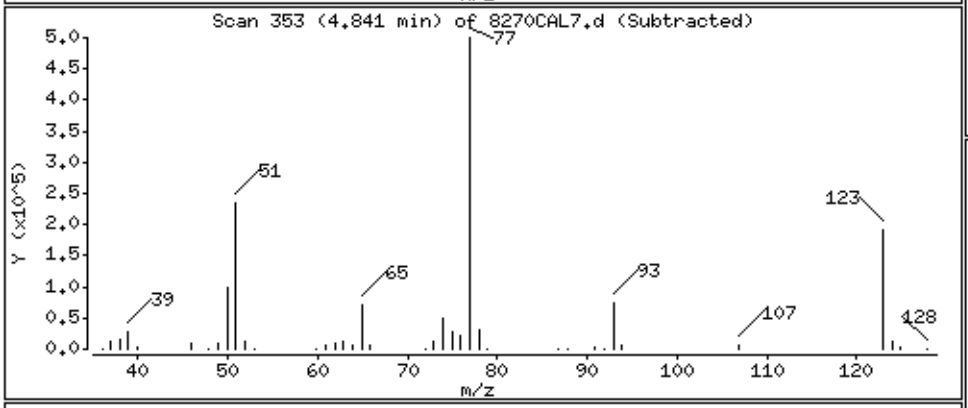
Operator: MJ

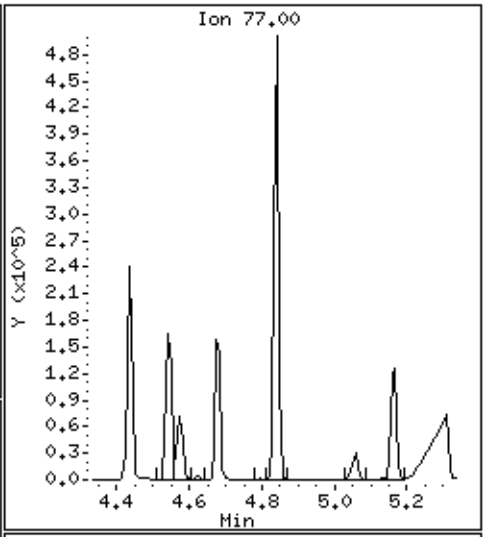
Column phase: HPMS-5

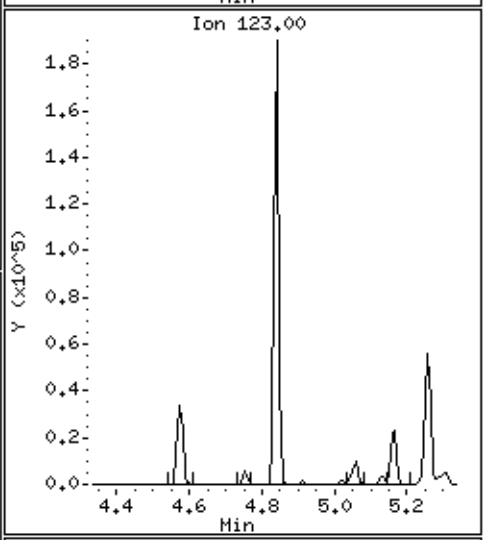
Column diameter: 0.25

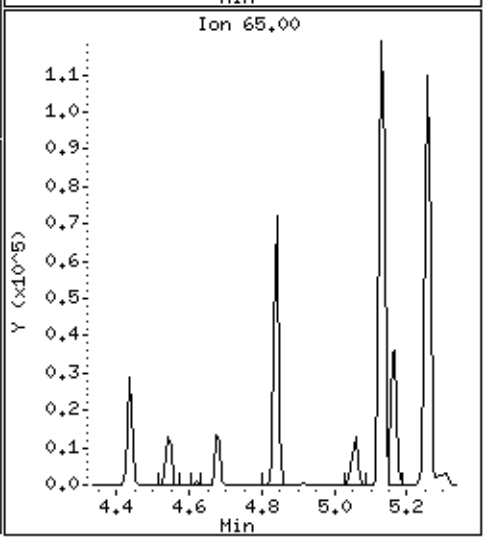
32 Nitrobenzene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

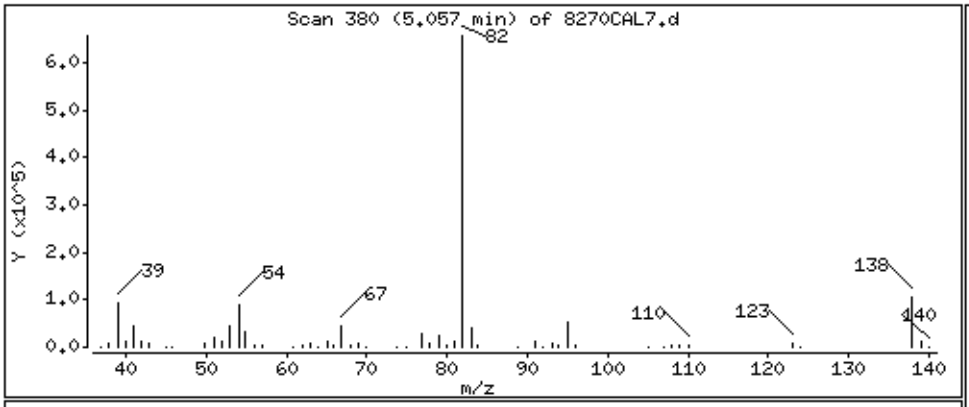
Sample Info: 47763

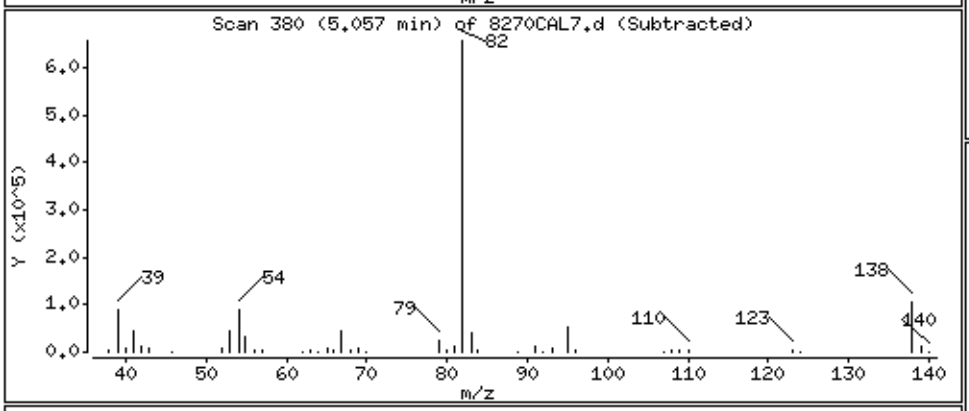
Operator: MJ

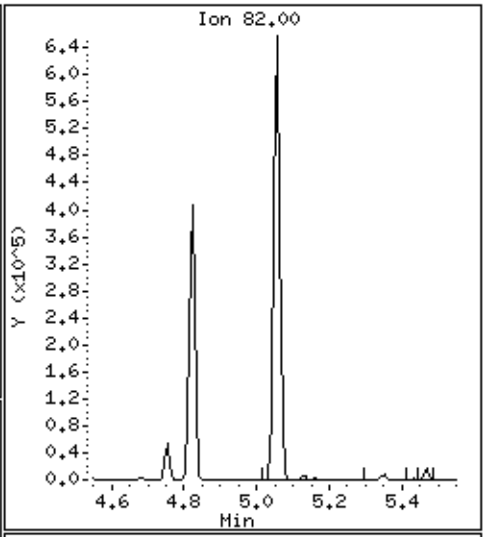
Column phase: HPMS-5

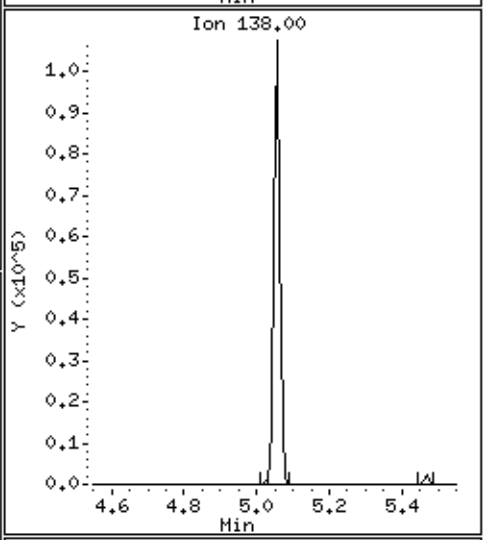
Column diameter: 0.25

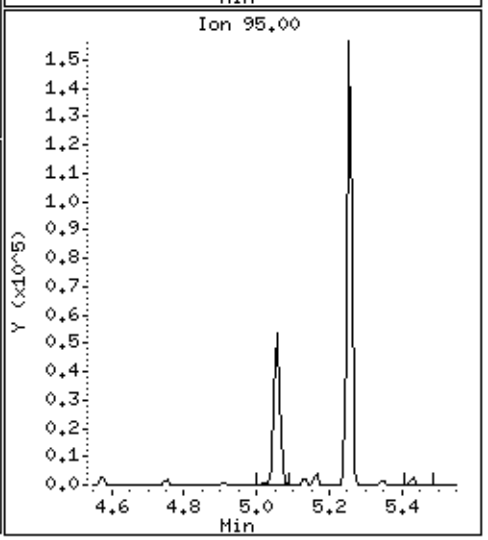
34 Isophorone











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

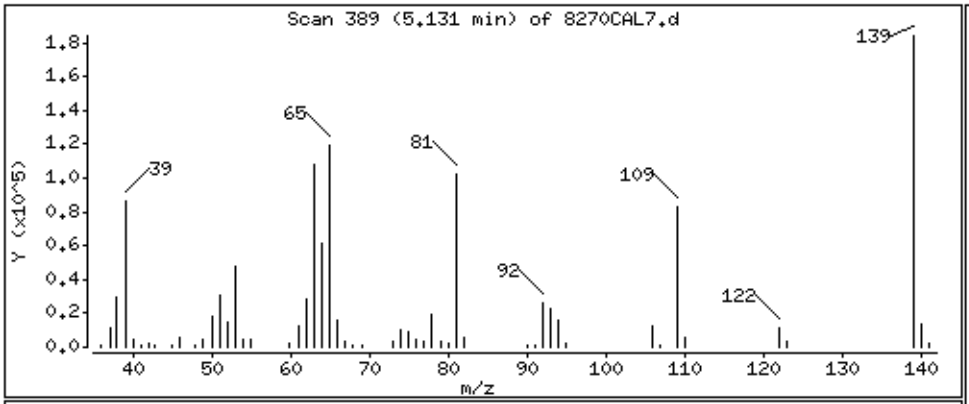
Sample Info: 47763

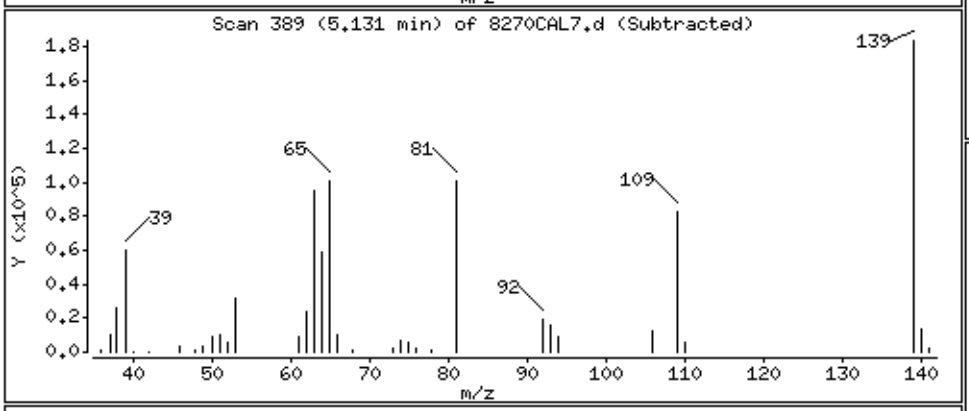
Operator: MJ

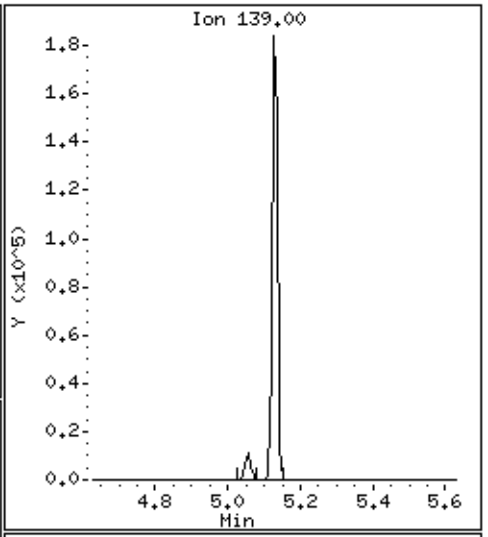
Column phase: HPMS-5

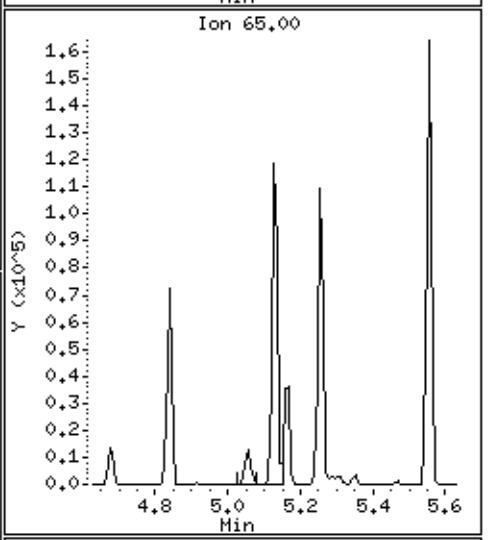
Column diameter: 0.25

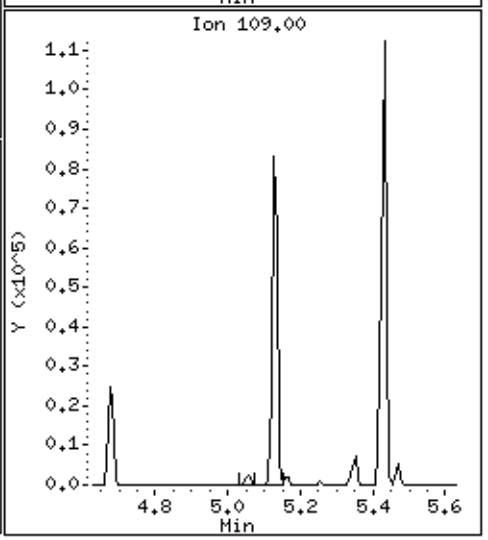
35 2-Nitrophenol











Date : 14-NOV-2012 22:40

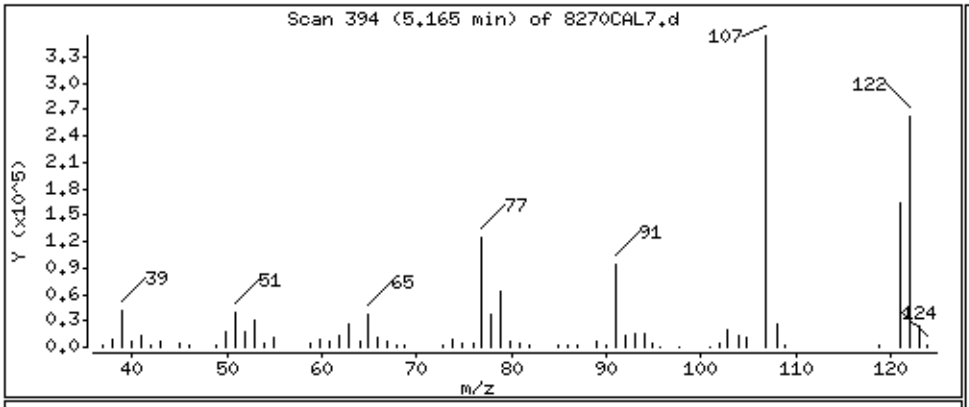
Client ID: 8270CAL7 Instrument: smsd04.i

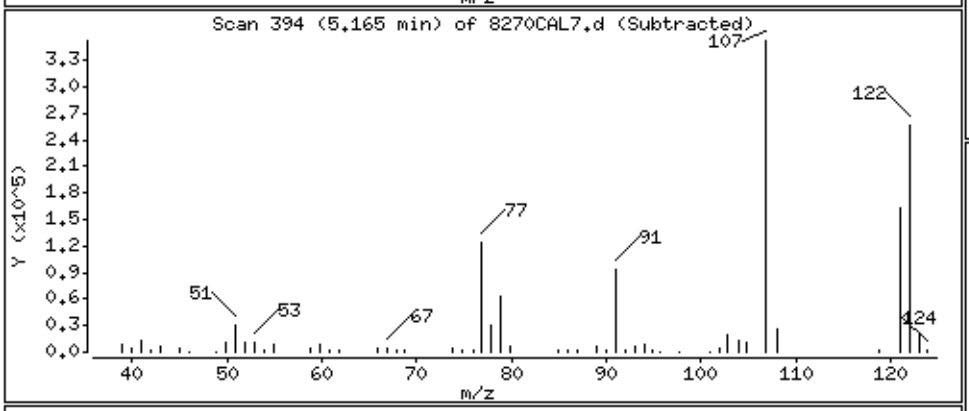
Sample Info: 47763

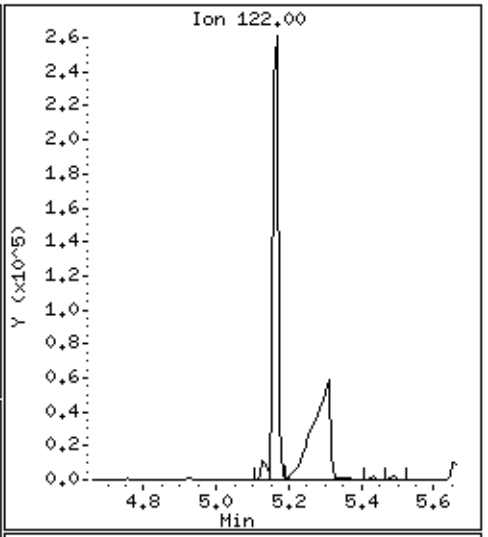
Operator: MJ

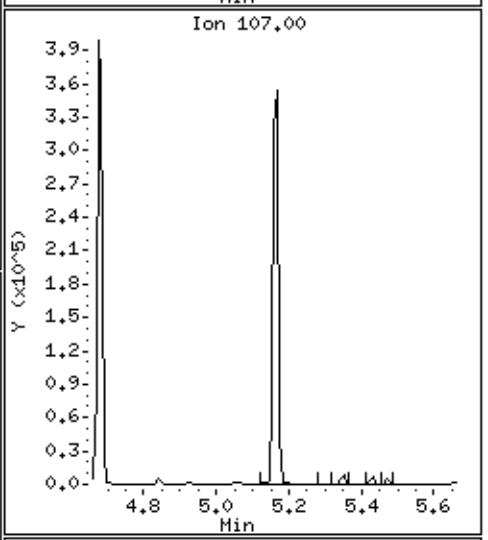
Column phase: HPMS-5 Column diameter: 0.25

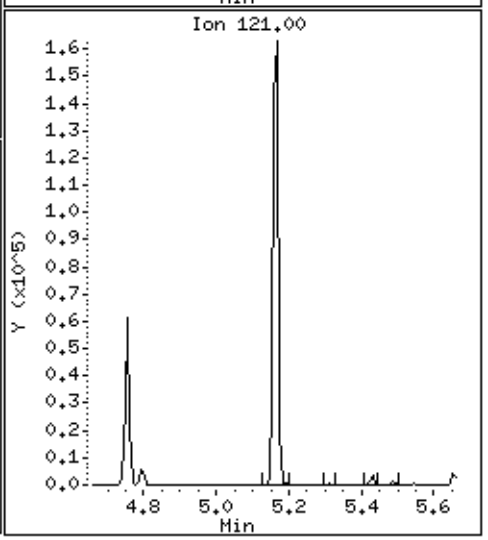
36 2,4-Dimethylphenol











Date : 14-NOV-2012 22:40

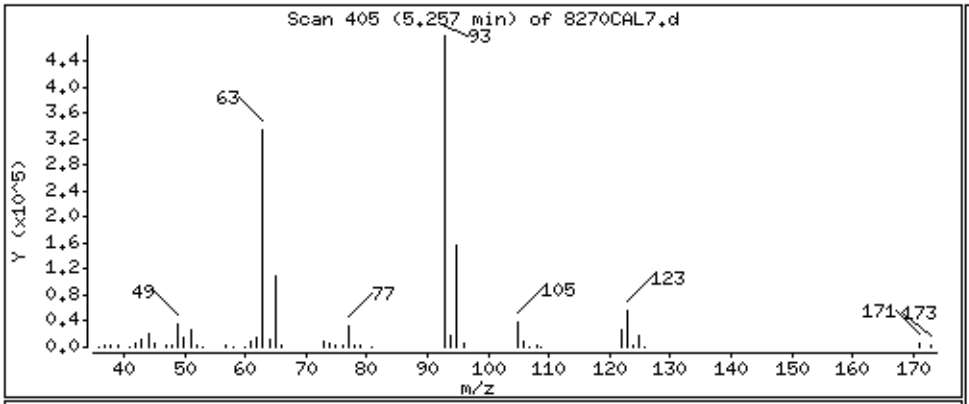
Client ID: 8270CAL7 Instrument: smsd04.i

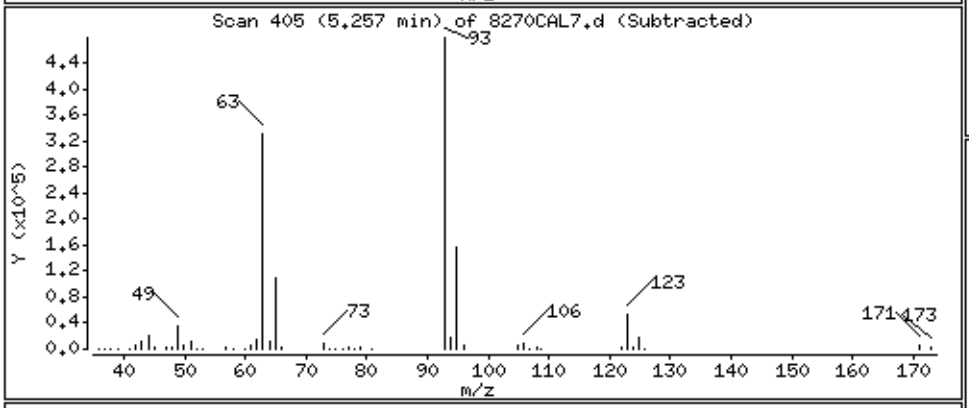
Sample Info: 47763

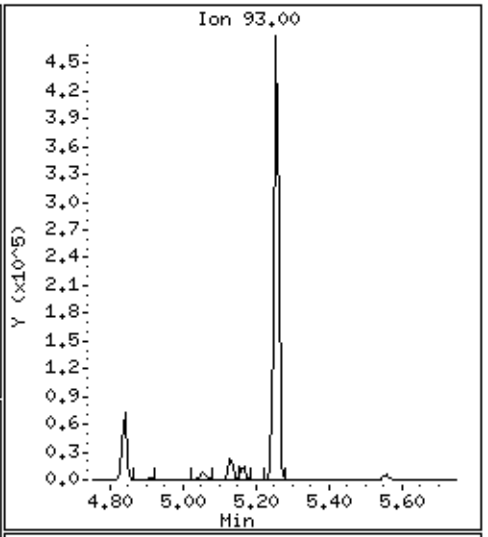
Operator: MJ

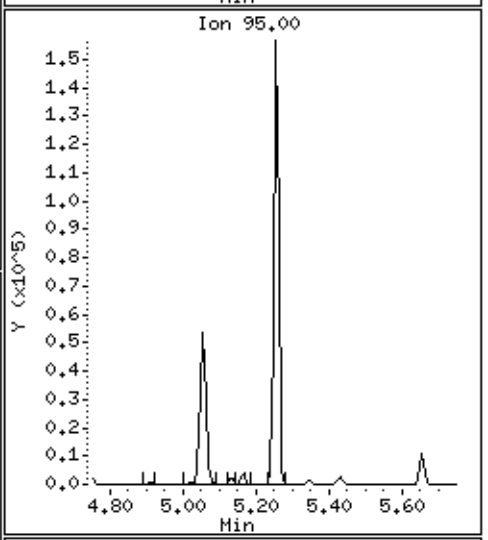
Column phase: HPMS-5 Column diameter: 0.25

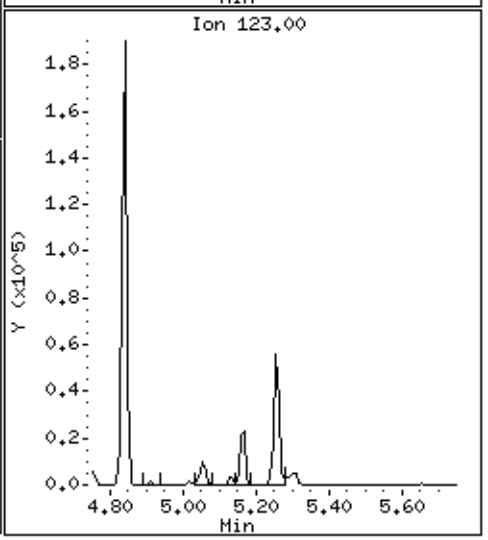
38 Bis(2-Chloroethoxy)methane











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

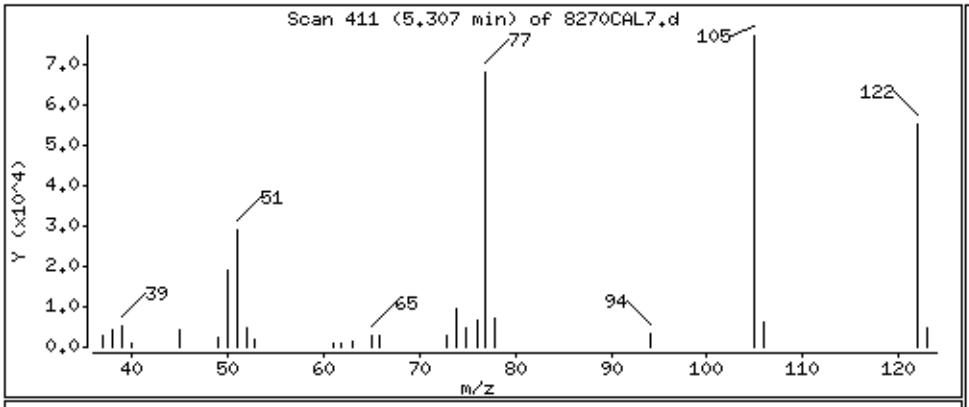
Sample Info: 47763

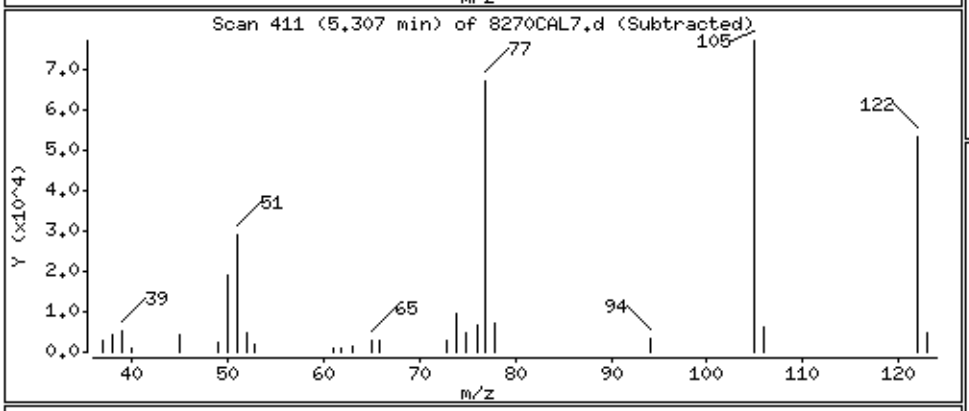
Operator: MJ

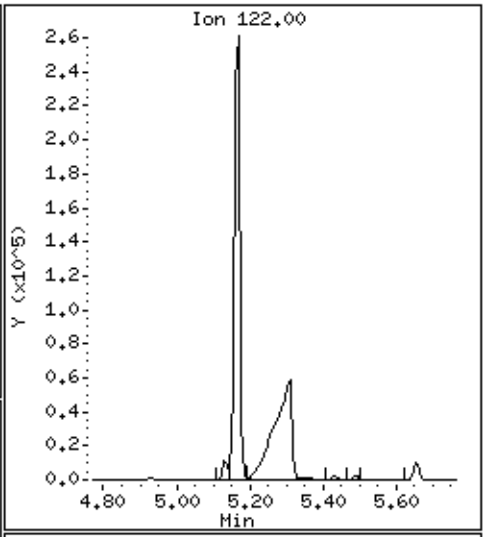
Column phase: HPMS-5

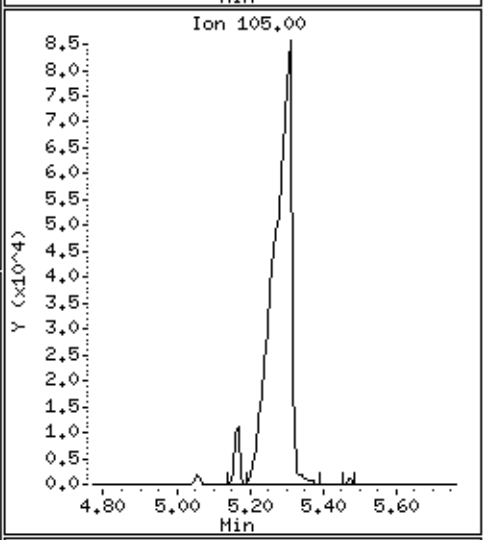
Column diameter: 0.25

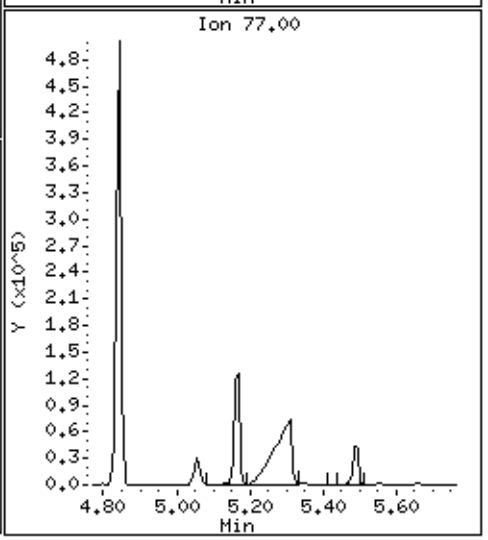
40 Benzoic Acid











Date : 14-NOV-2012 22:40

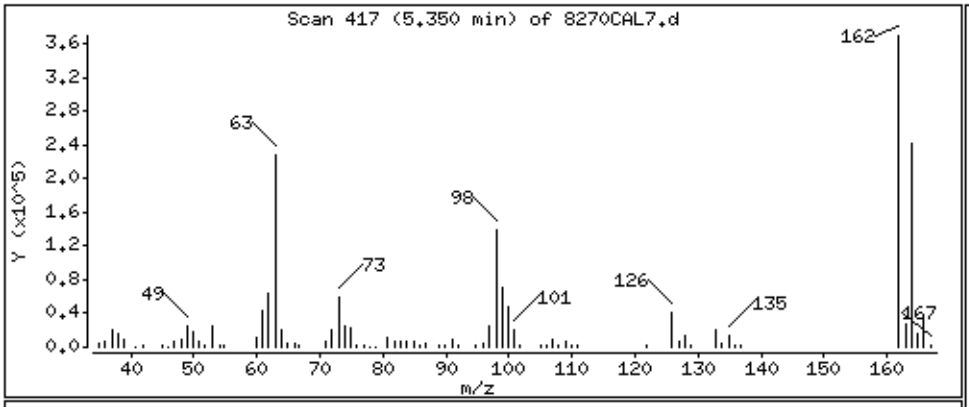
Client ID: 8270CAL7 Instrument: smsd04.i

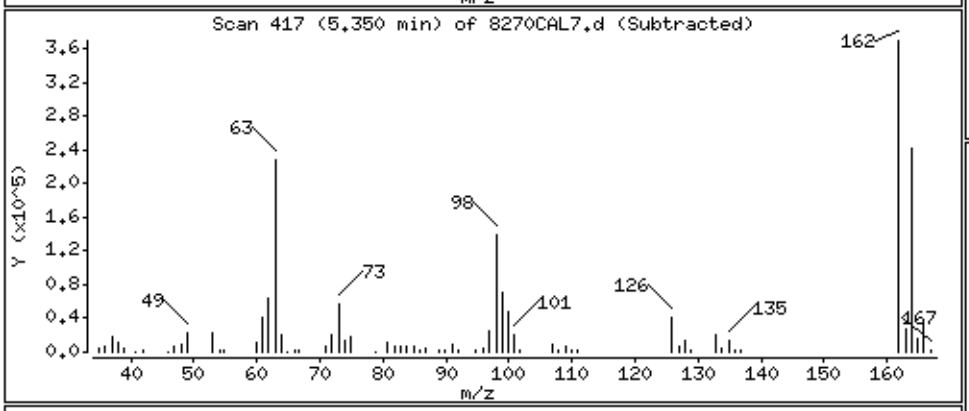
Sample Info: 47763

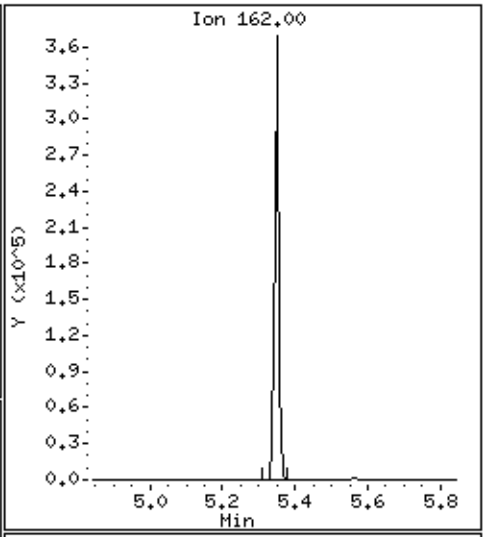
Operator: MJ

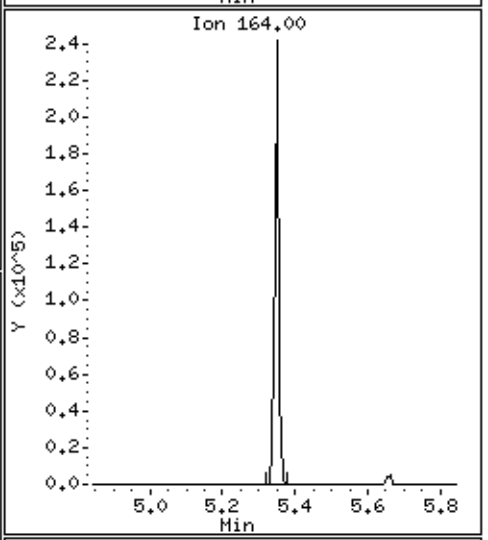
Column phase: HPMS-5 Column diameter: 0.25

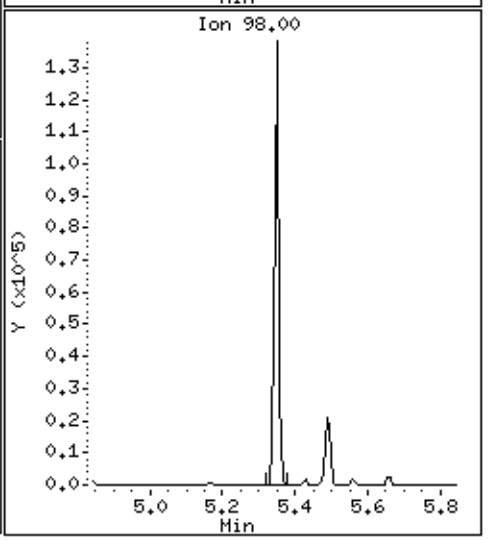
41 2,4-Dichlorophenol











Date : 14-NOV-2012 22:40

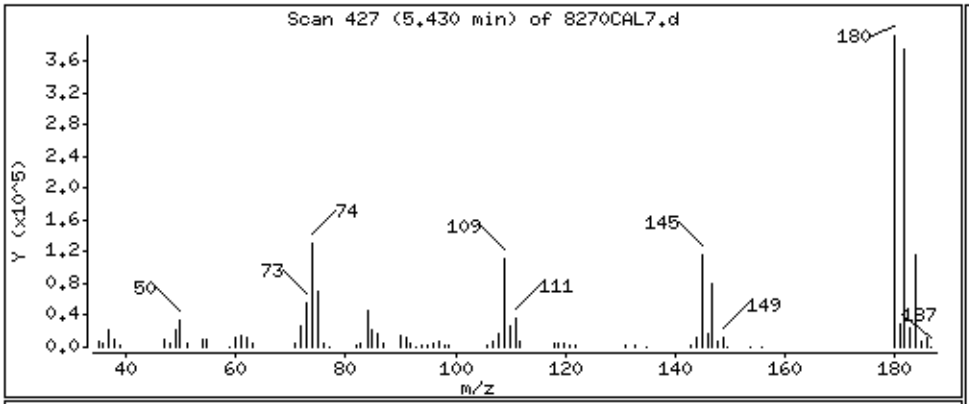
Client ID: 8270CAL7 Instrument: smsd04.i

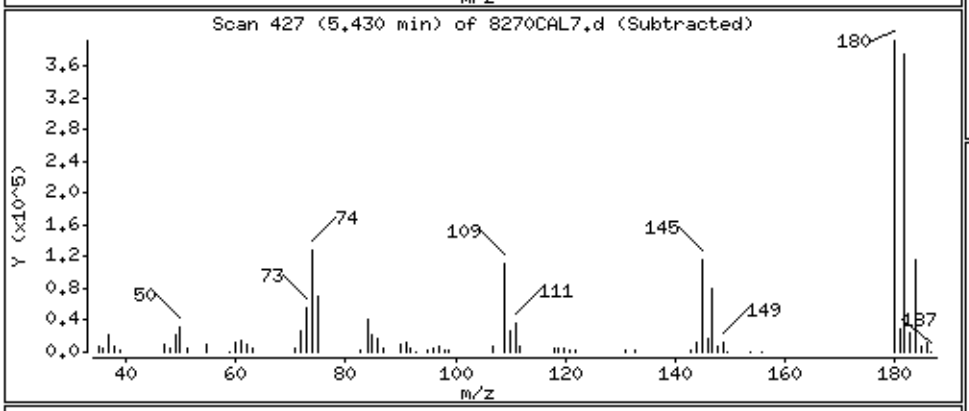
Sample Info: 47763

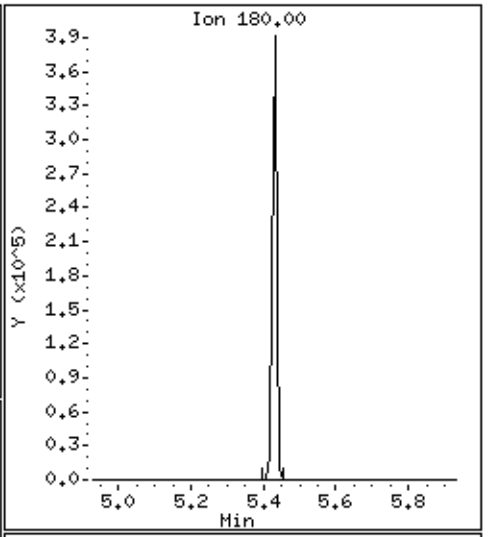
Operator: MJ

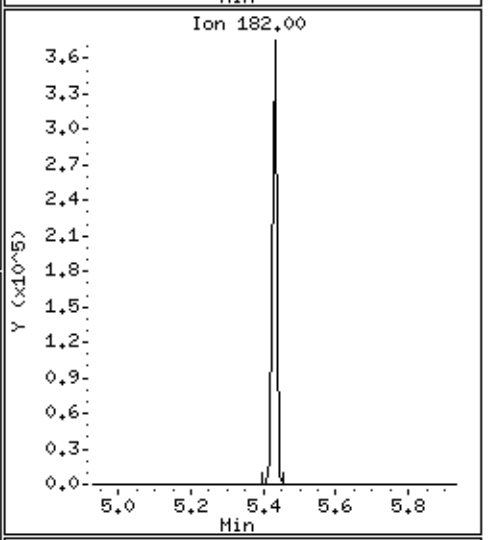
Column phase: HPMS-5 Column diameter: 0.25

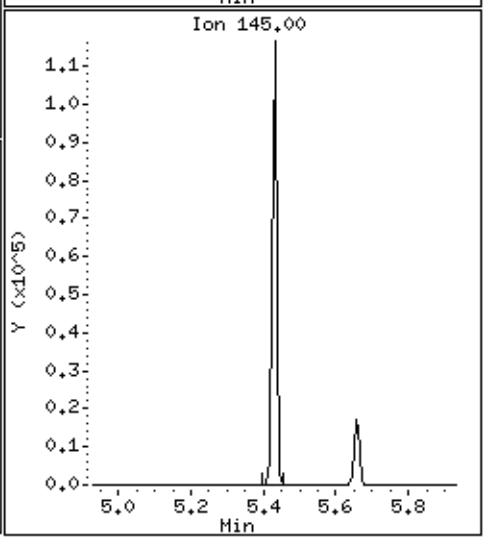
42 1,2,4-Trichlorobenzene











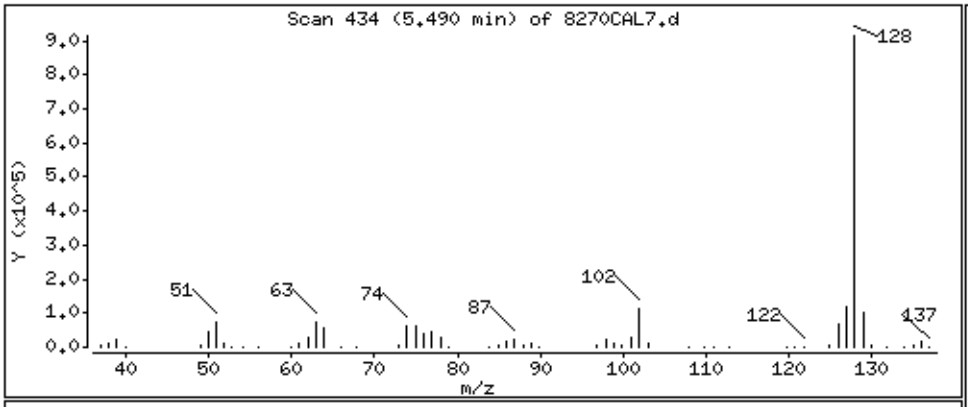
Date : 14-NOV-2012 22:40

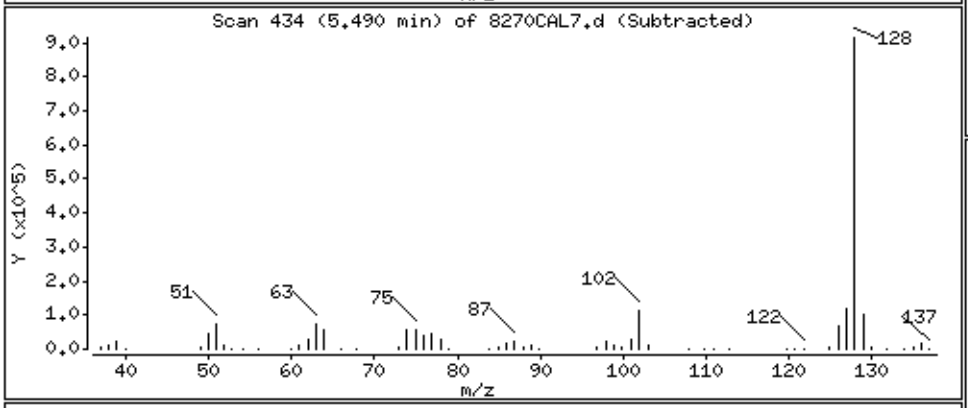
Client ID: 8270CAL7 Instrument: smsd04.i

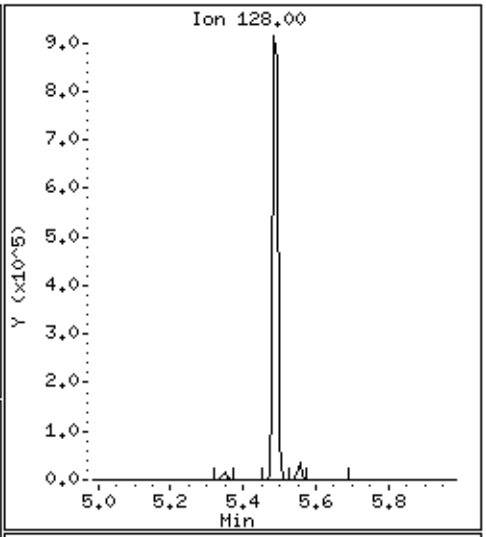
Sample Info: 47763 Operator: MJ

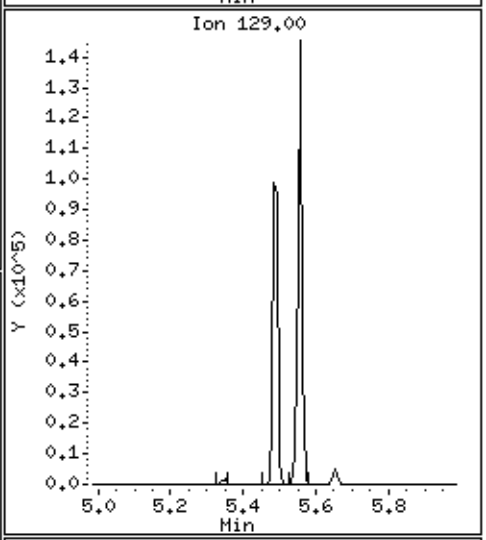
Column phase: HPMS-5 Column diameter: 0.25

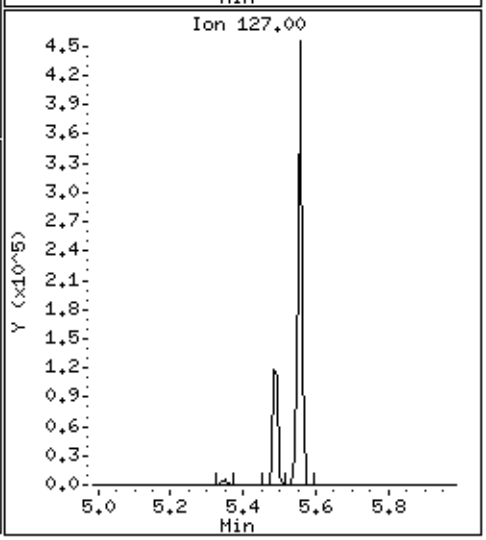
44 Naphthalene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

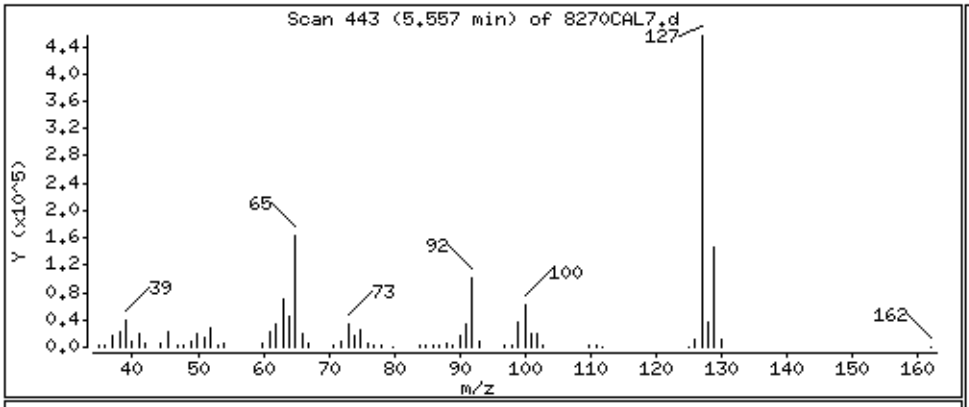
Sample Info: 47763

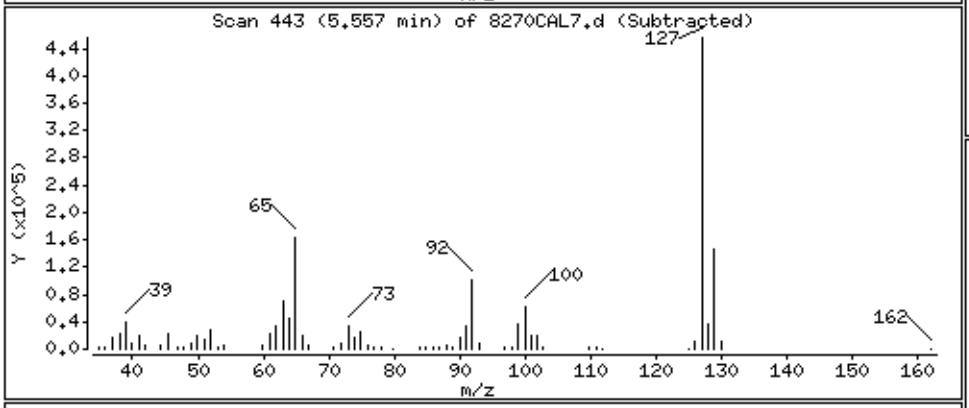
Operator: MJ

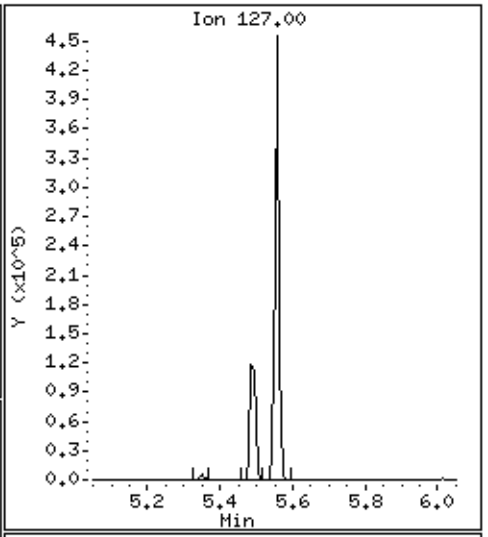
Column phase: HPMS-5

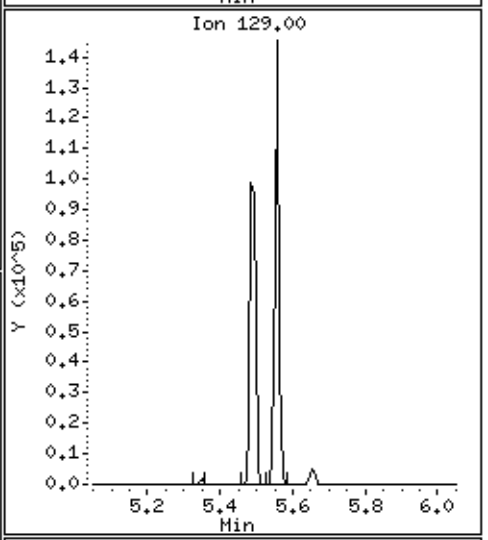
Column diameter: 0.25

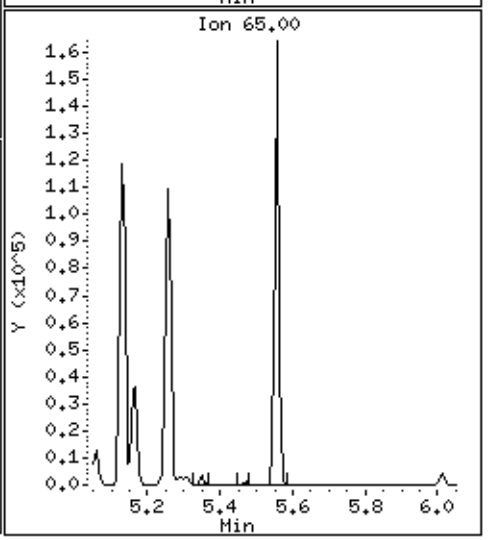
45 4-Chloroaniline











Date : 14-NOV-2012 22:40

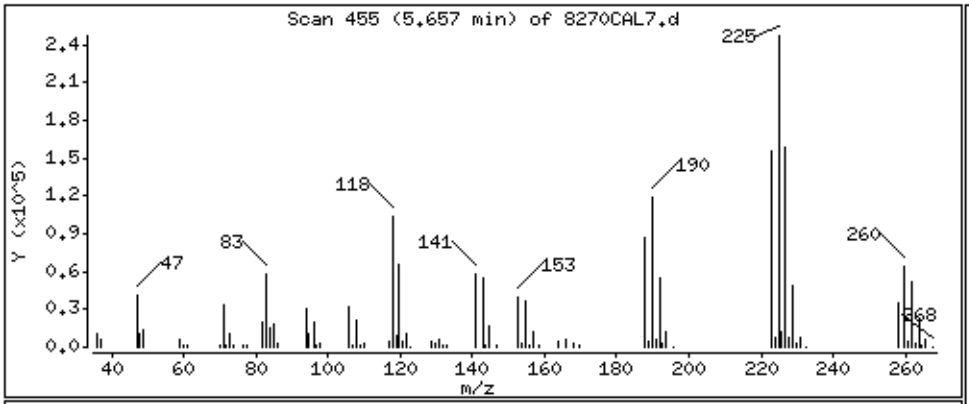
Client ID: 8270CAL7 Instrument: smsd04.i

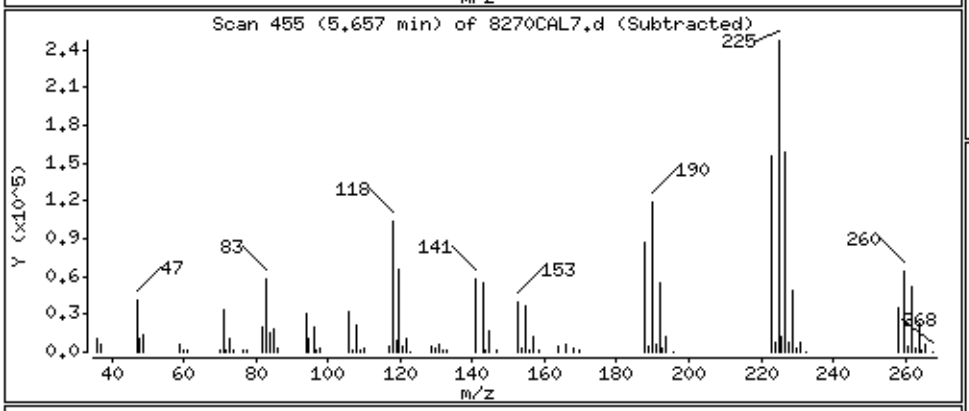
Sample Info: 47763

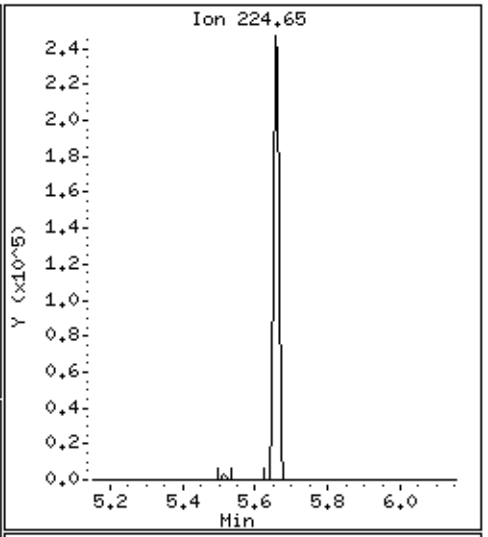
Operator: MJ

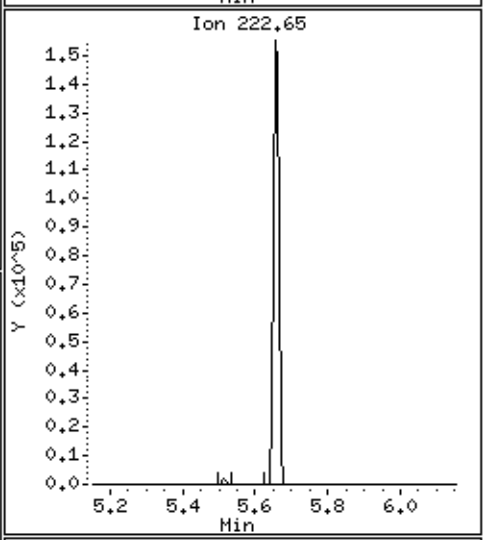
Column phase: HPMS-5 Column diameter: 0.25

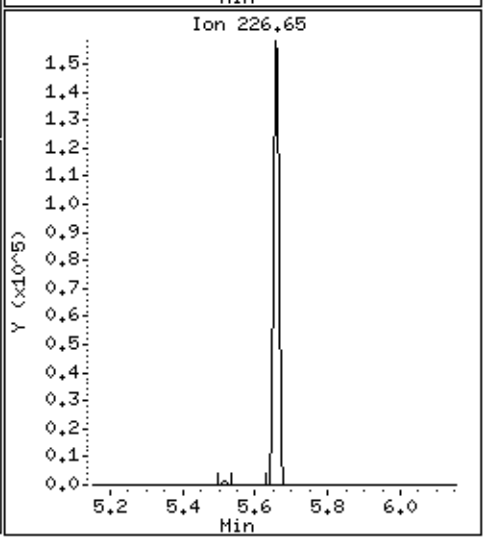
48 Hexachlorobutadiene











Date : 14-NOV-2012 22:40

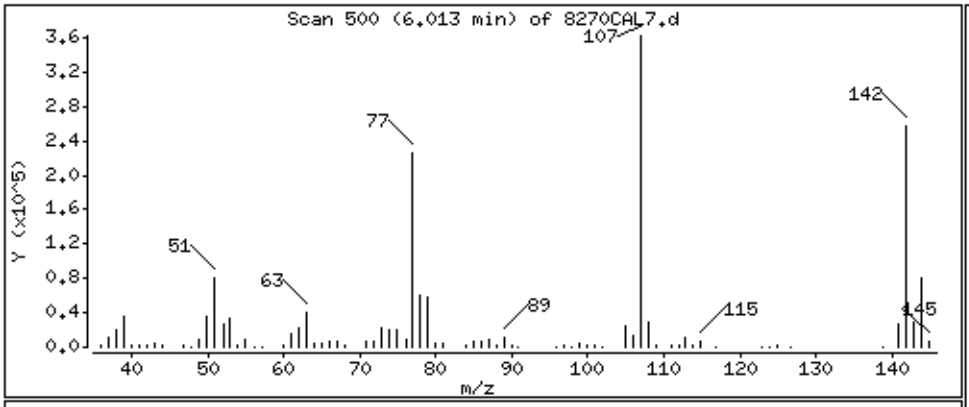
Client ID: 8270CAL7 Instrument: smsd04.i

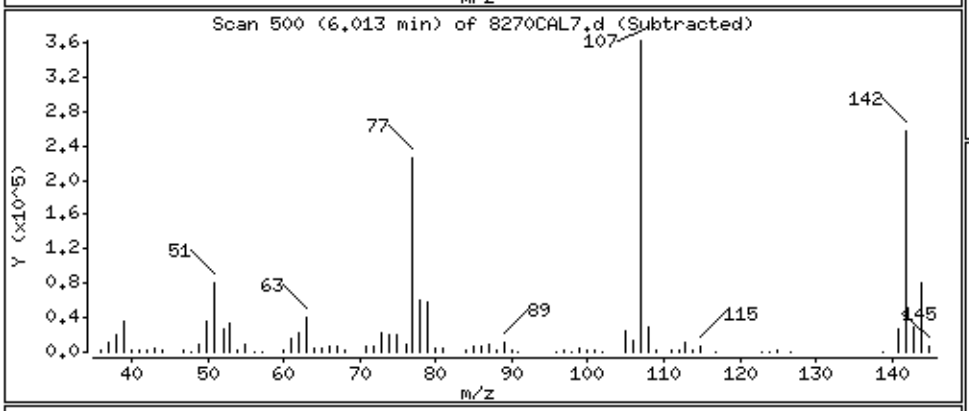
Sample Info: 47763

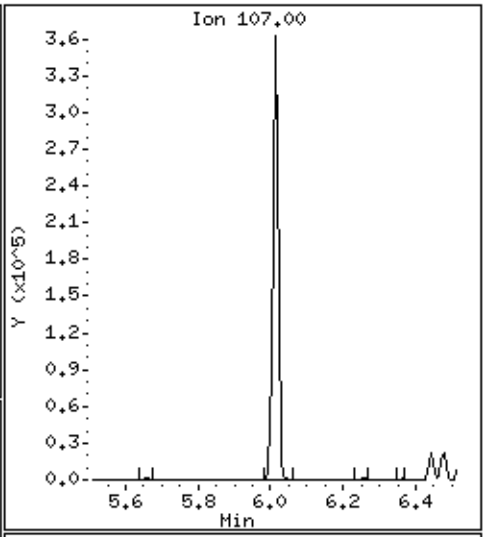
Operator: MJ

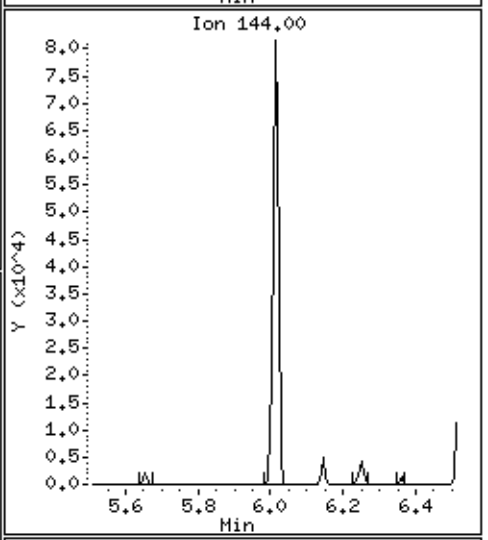
Column phase: HPMS-5 Column diameter: 0.25

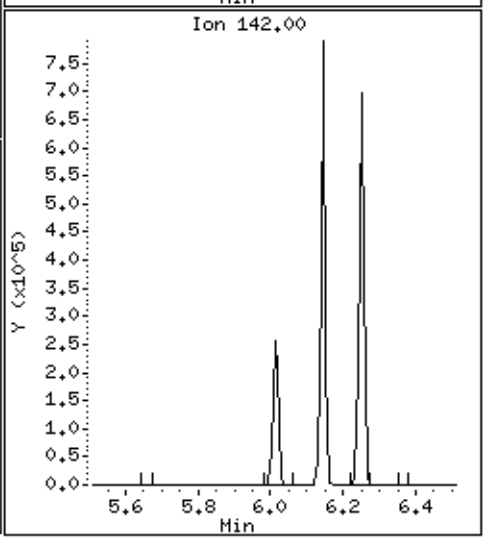
51 4-Chloro-3-methylphenol











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

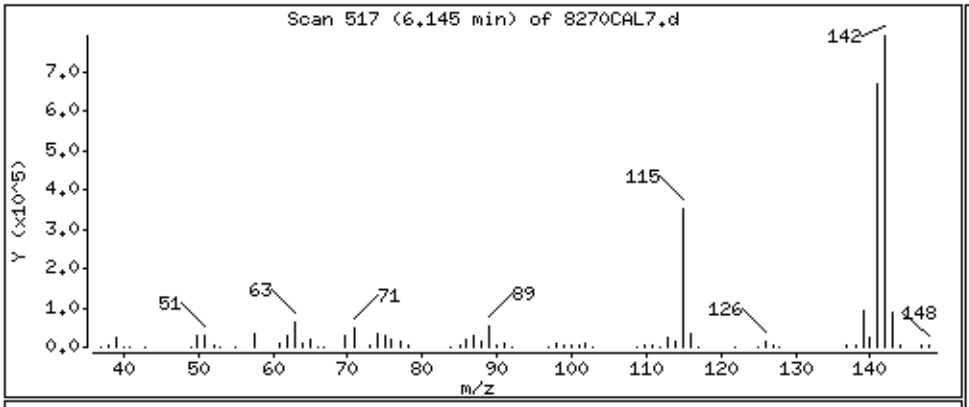
Sample Info: 47763

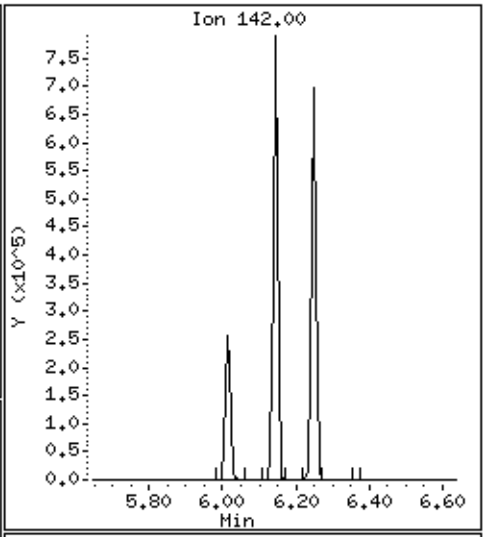
Operator: MJ

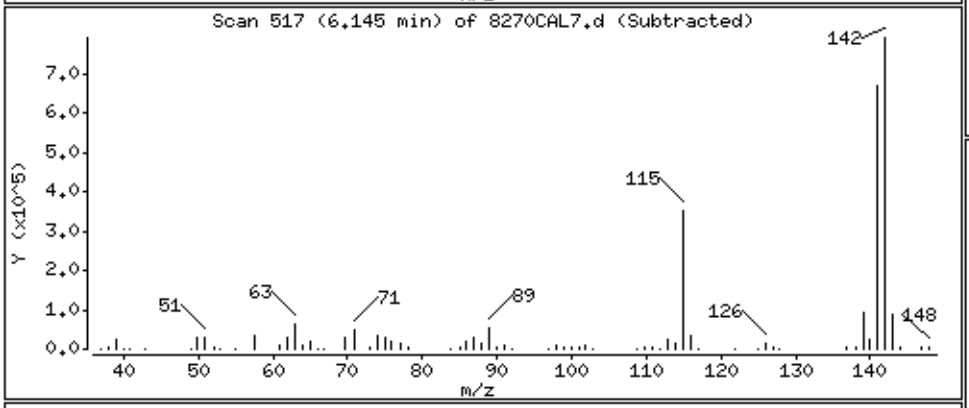
Column phase: HPMS-5

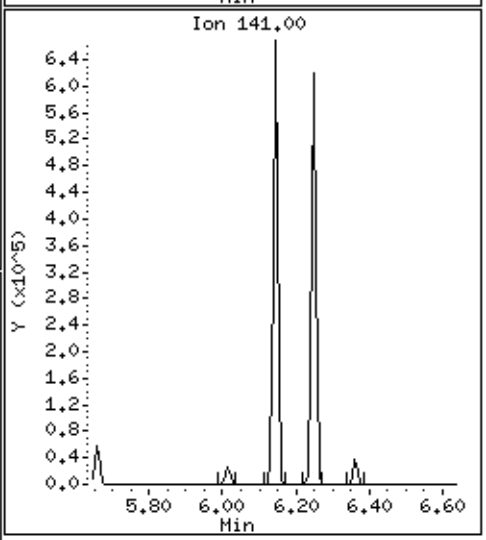
Column diameter: 0.25

53 2-Methylnaphthalene









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

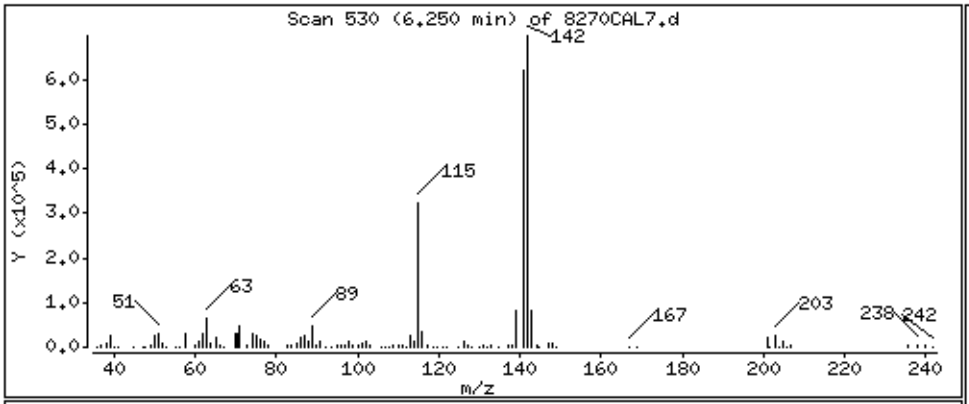
Sample Info: 47763

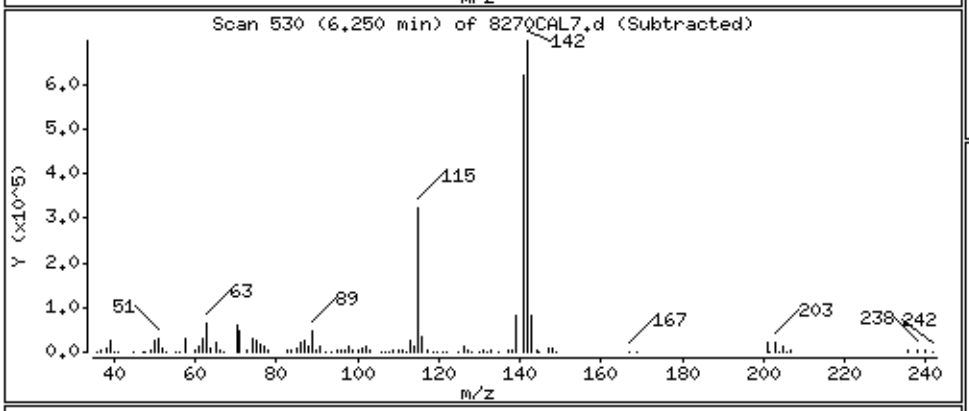
Operator: MJ

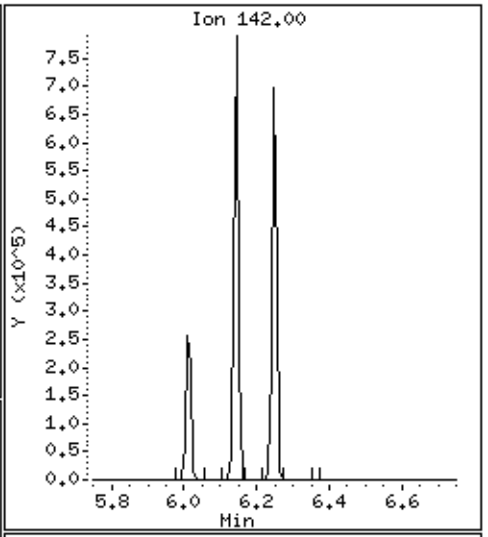
Column phase: HPMS-5

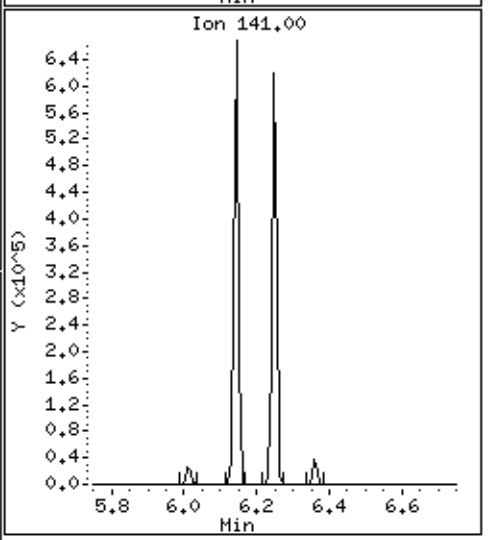
Column diameter: 0.25

54 1-Methylnaphthalene









Date : 14-NOV-2012 22:40

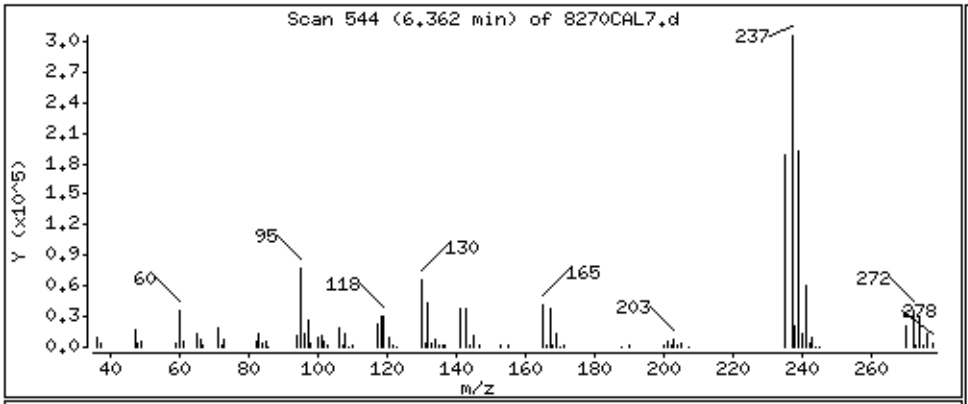
Client ID: 8270CAL7 Instrument: smsd04.i

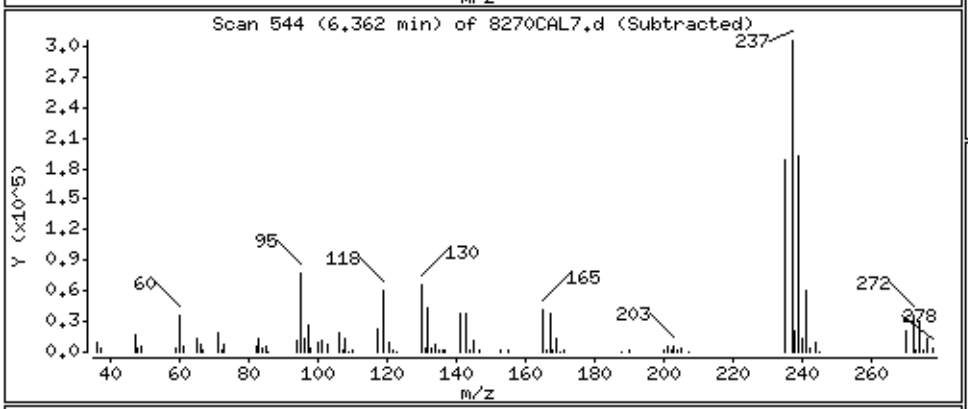
Sample Info: 47763

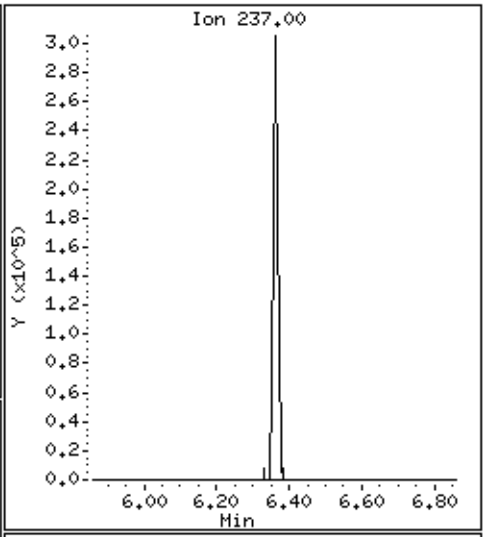
Operator: MJ

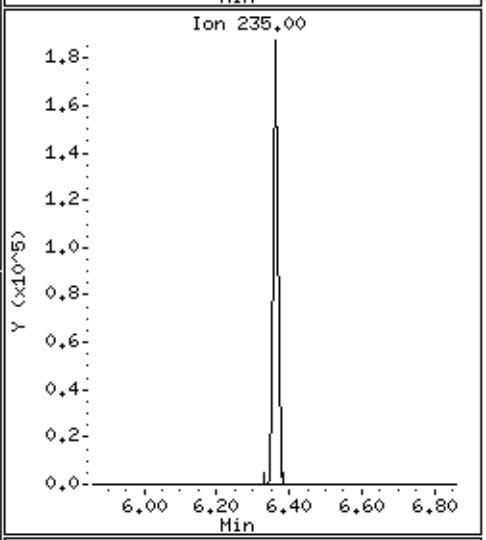
Column phase: HPMS-5 Column diameter: 0.25

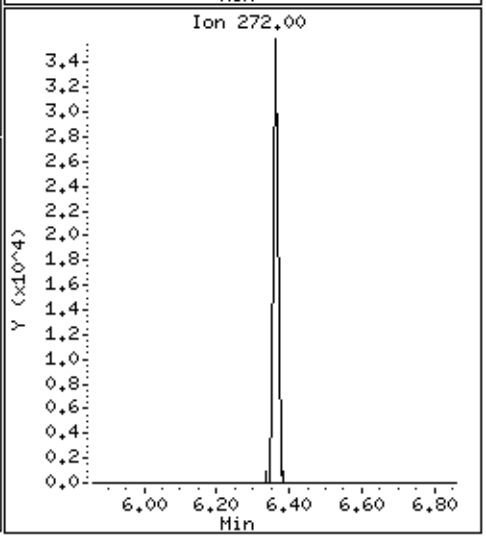
55 Hexachlorocyclopentadiene











Date : 14-NOV-2012 22:40

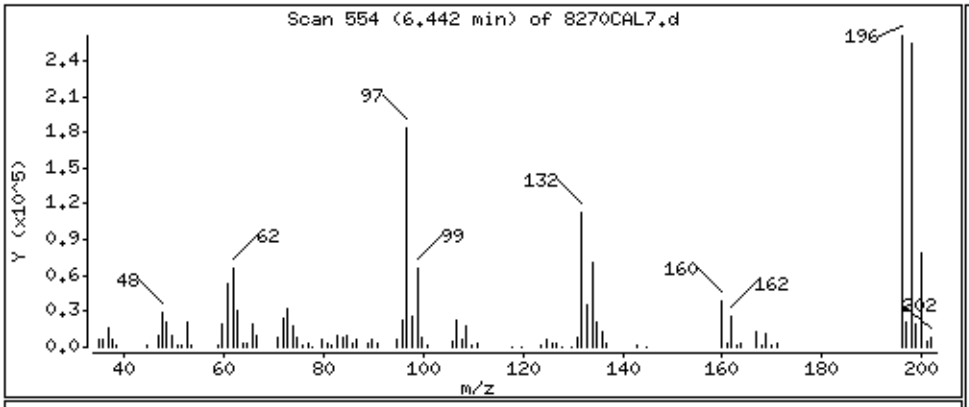
Client ID: 8270CAL7 Instrument: smsd04.i

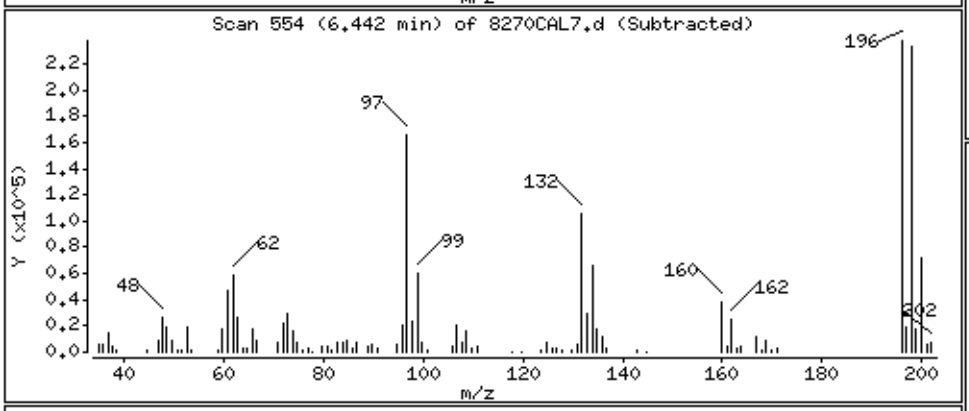
Sample Info: 47763

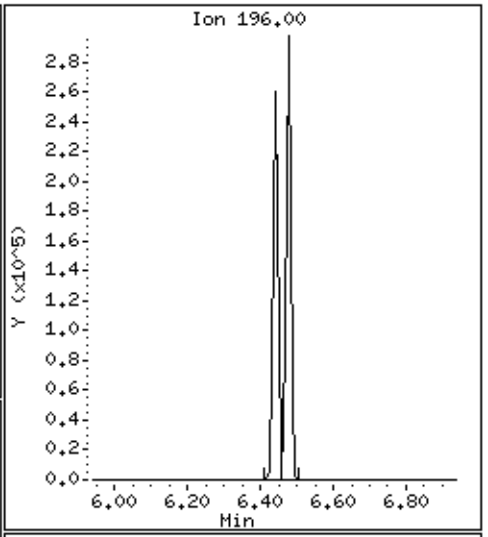
Operator: MJ

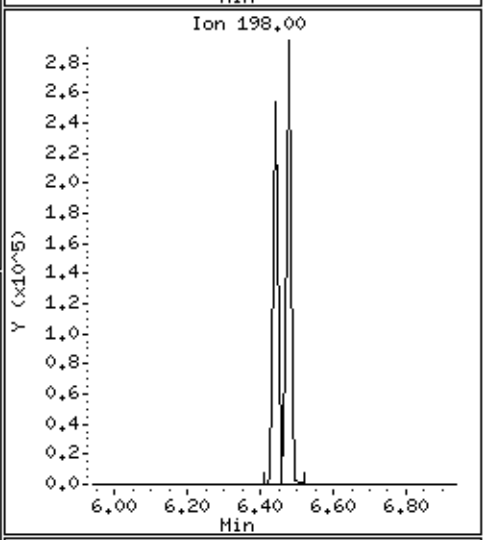
Column phase: HPMS-5 Column diameter: 0.25

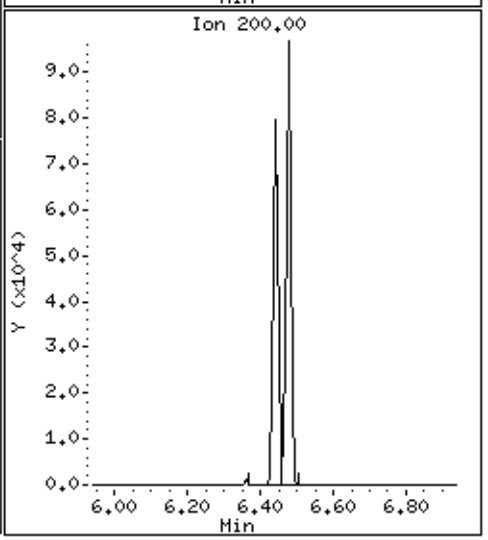
57 2,4,6-Trichlorophenol











Date : 14-NOV-2012 22:40

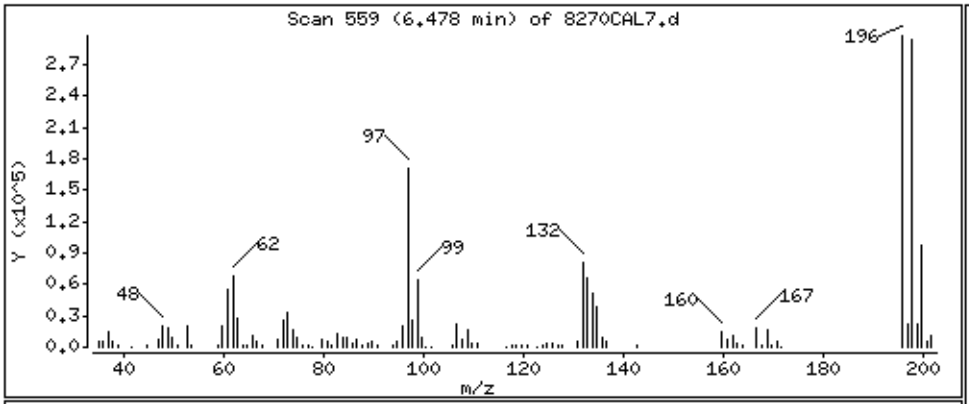
Client ID: 8270CAL7 Instrument: smsd04.i

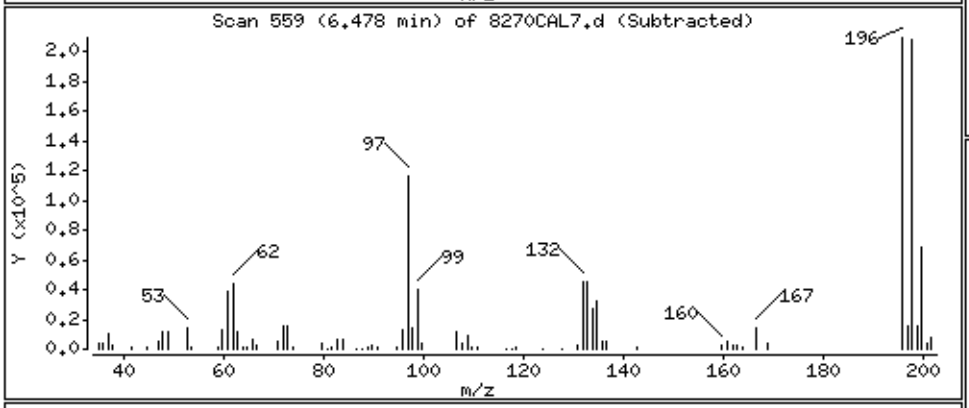
Sample Info: 47763

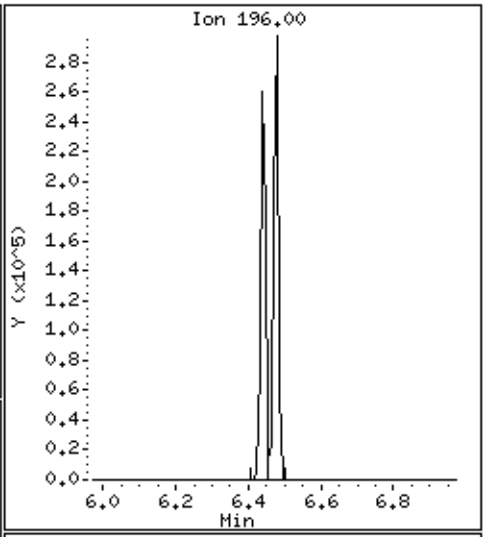
Operator: MJ

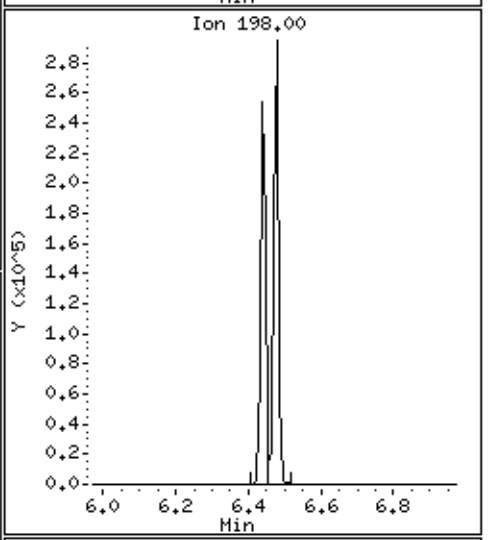
Column phase: HPMS-5 Column diameter: 0.25

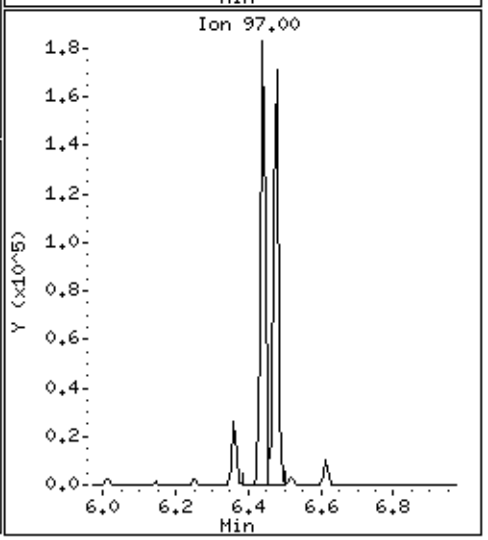
58 2,4,5-Trichlorophenol











Date : 14-NOV-2012 22:40

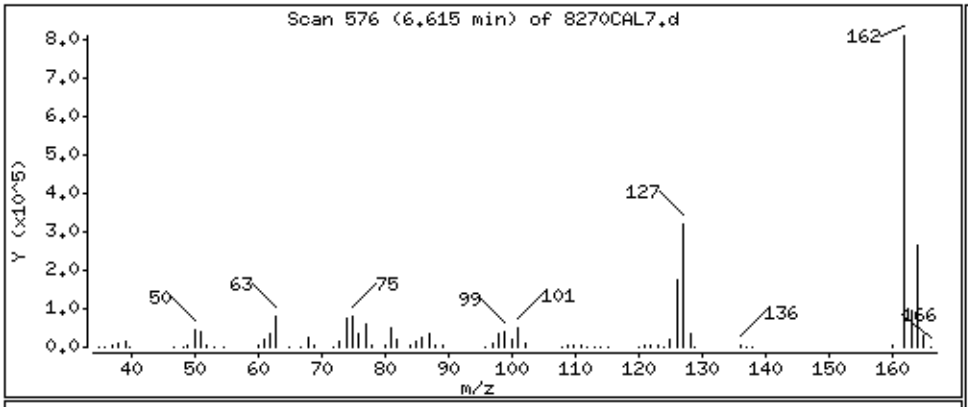
Client ID: 8270CAL7 Instrument: smsd04.i

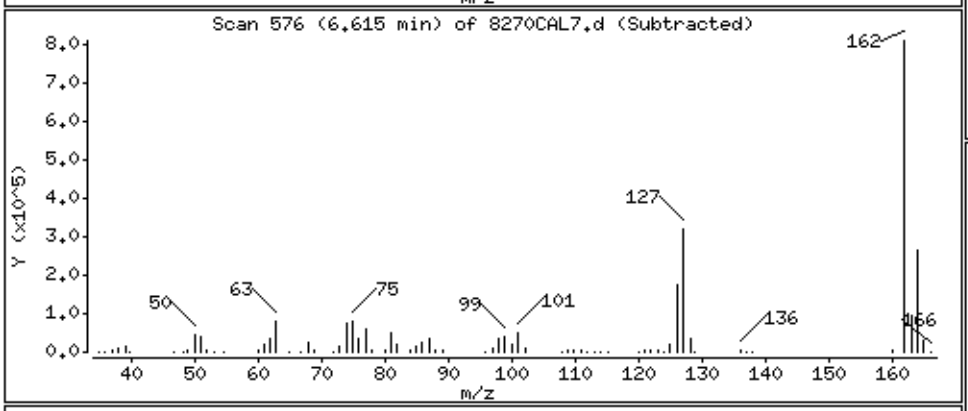
Sample Info: 47763

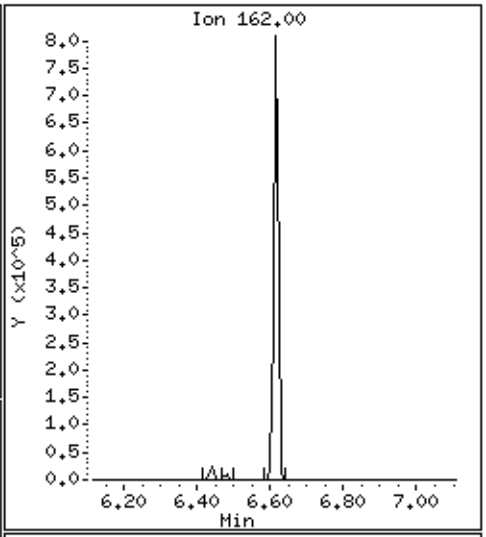
Operator: MJ

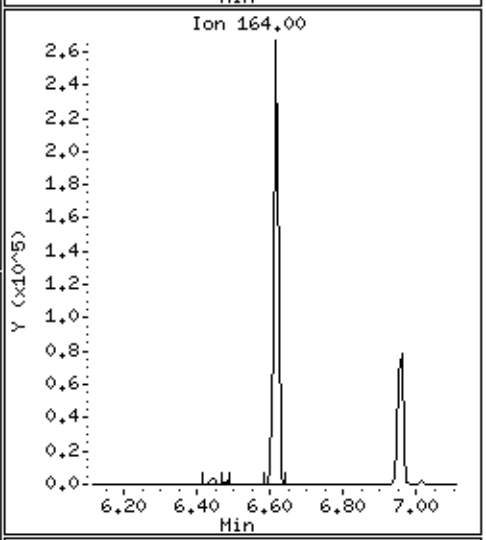
Column phase: HPMS-5 Column diameter: 0.25

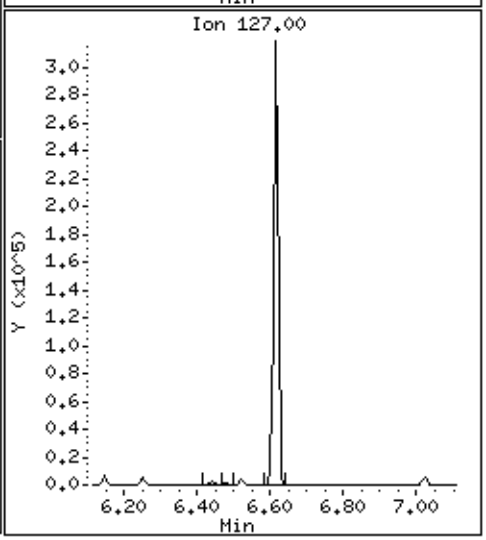
62 2-Chloronaphthalene











Date : 14-NOV-2012 22:40

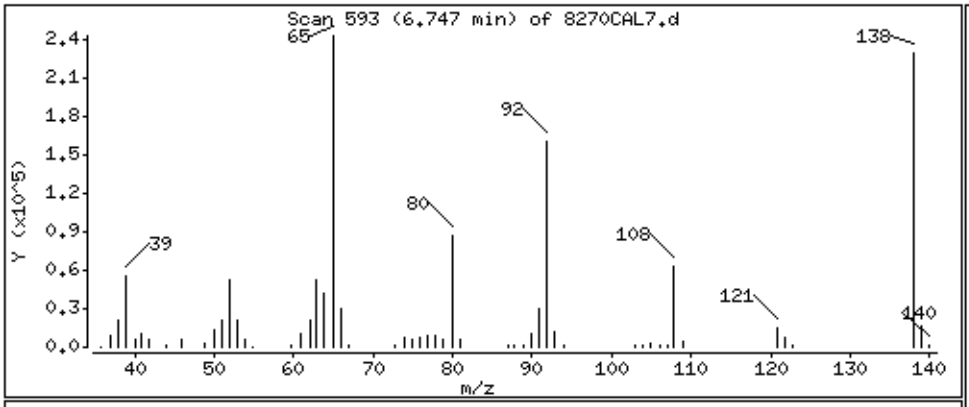
Client ID: 8270CAL7 Instrument: smsd04.i

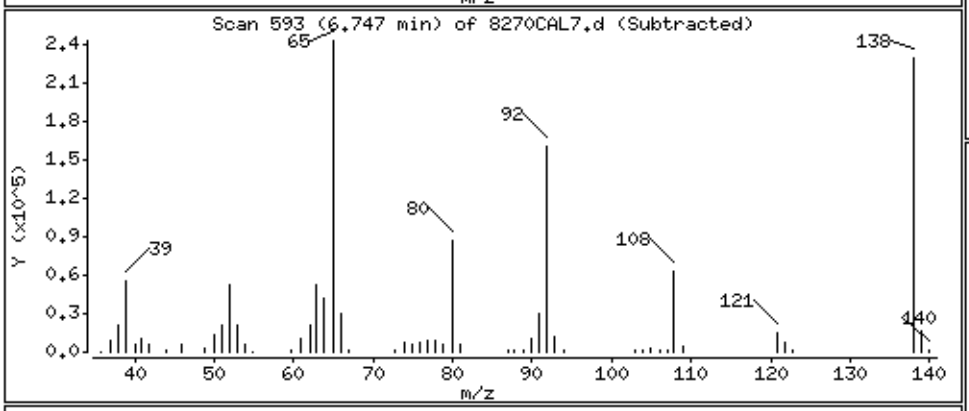
Sample Info: 47763

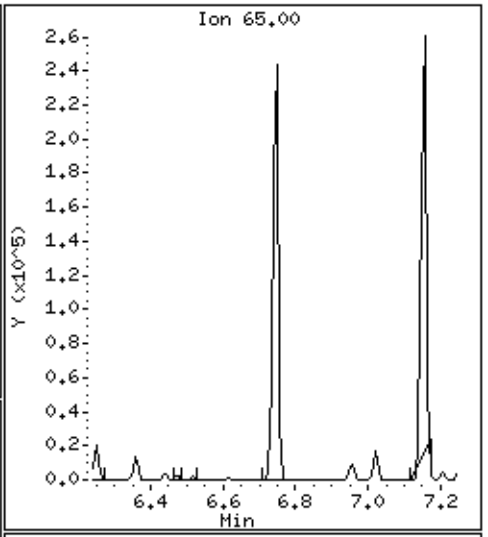
Operator: MJ

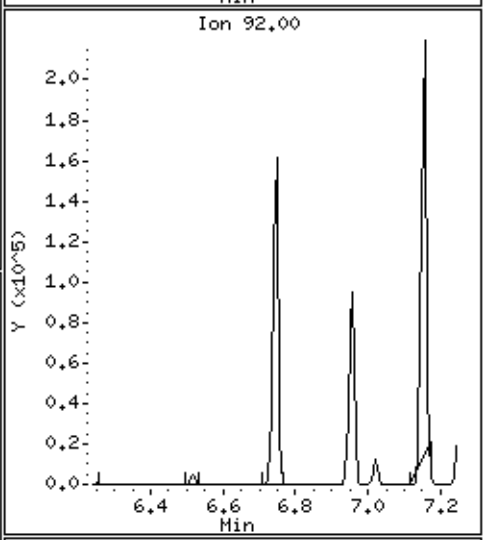
Column phase: HPMS-5 Column diameter: 0.25

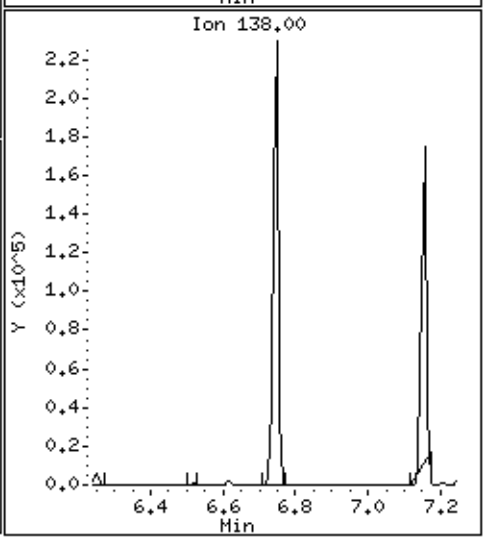
63 2-Nitroaniline











Date : 14-NOV-2012 22:40

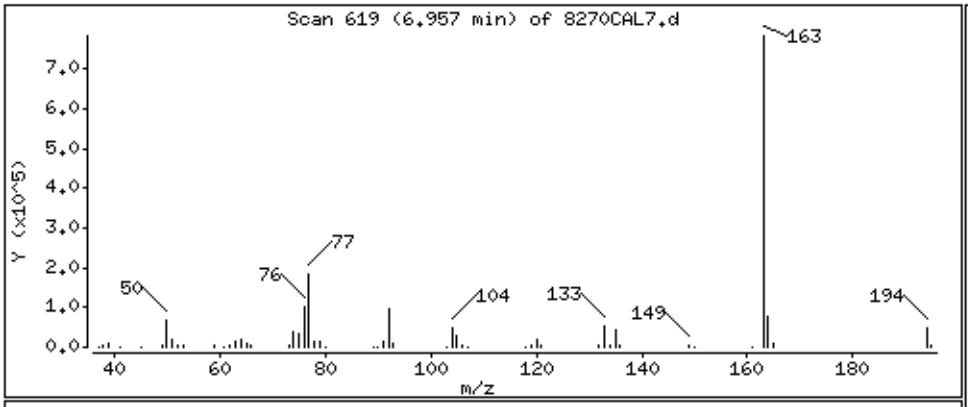
Client ID: 8270CAL7 Instrument: smsd04.i

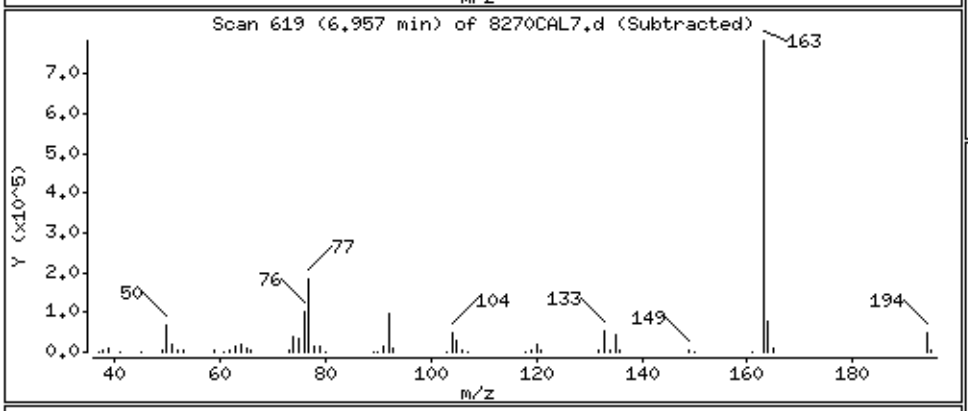
Sample Info: 47763

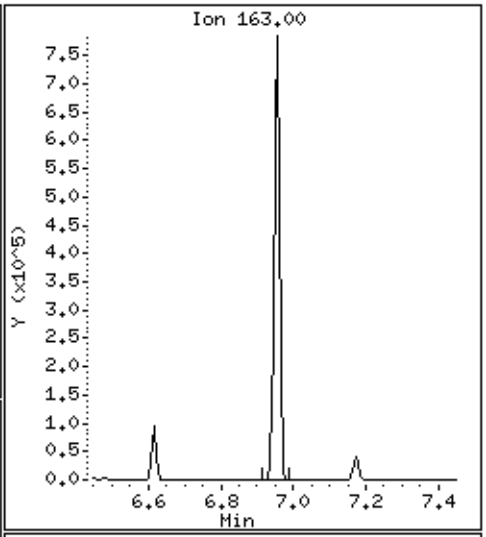
Operator: MJ

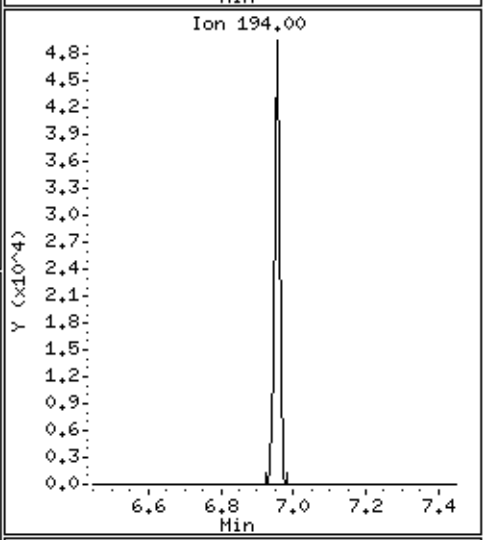
Column phase: HPMS-5 Column diameter: 0.25

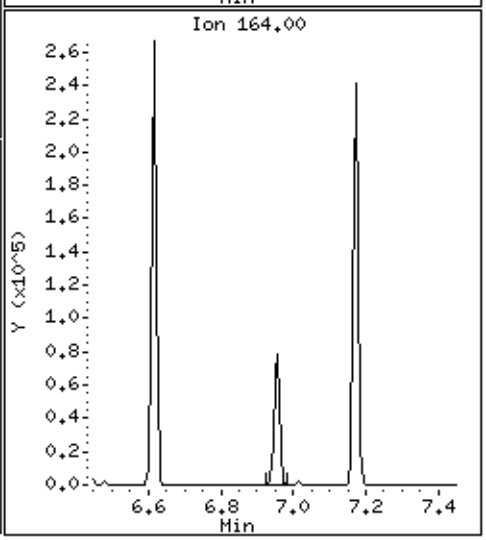
65 Dimethylphthalate











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

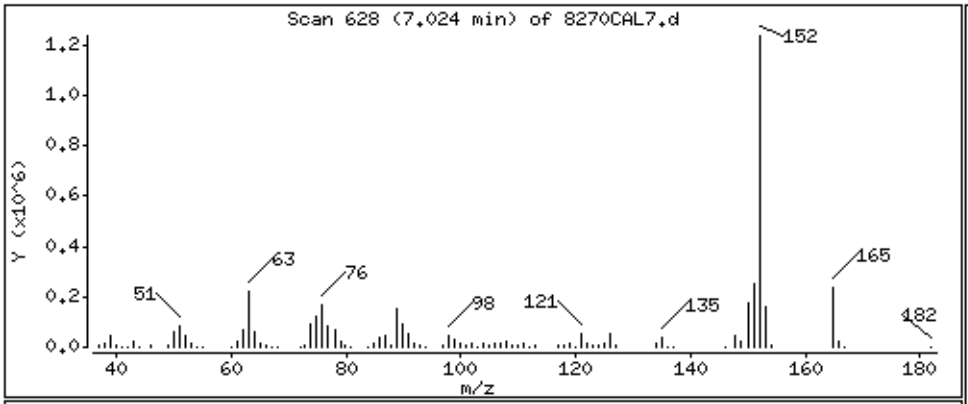
Sample Info: 47763

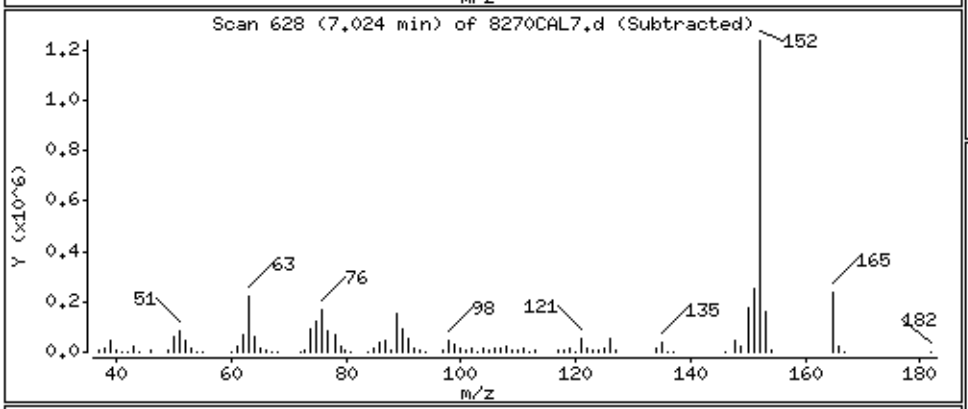
Operator: MJ

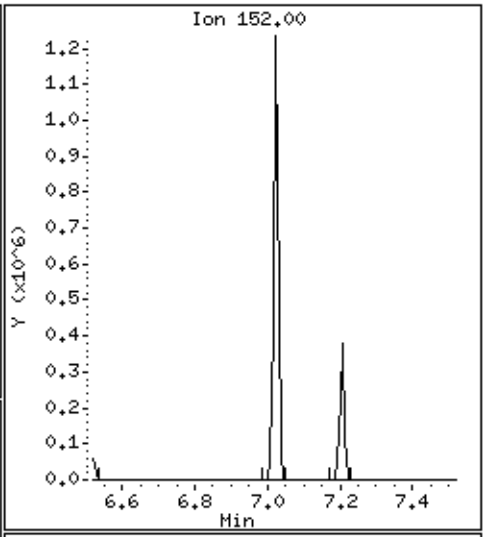
Column phase: HPMS-5

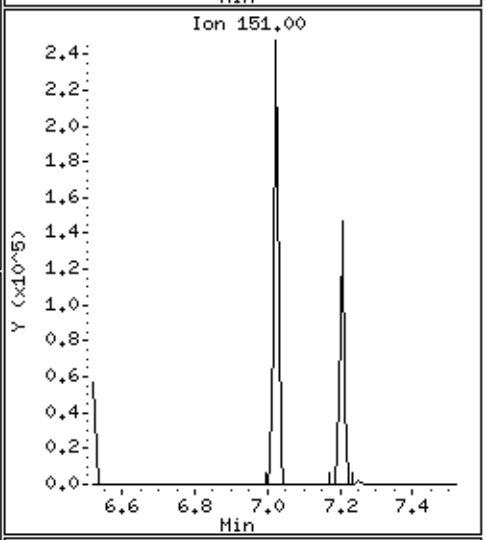
Column diameter: 0.25

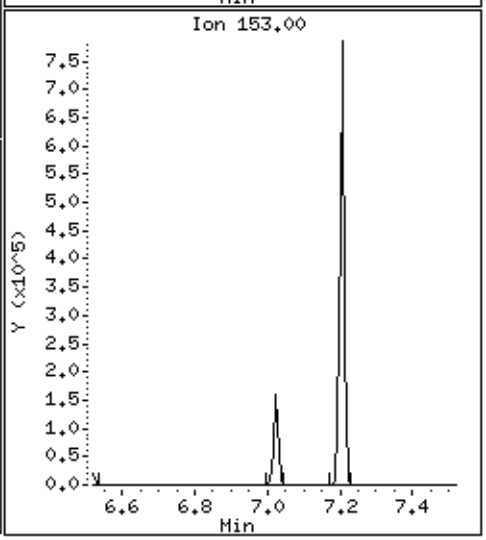
68 Acenaphthylene











Date : 14-NOV-2012 22:40

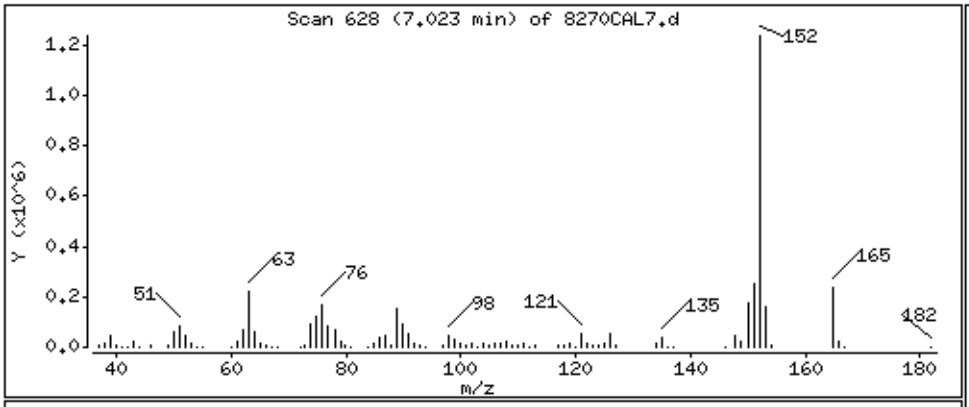
Client ID: 8270CAL7 Instrument: smsd04.i

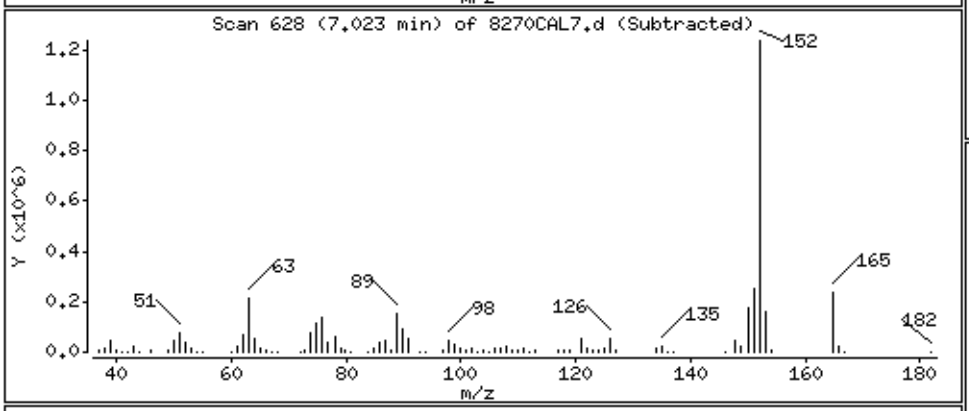
Sample Info: 47763

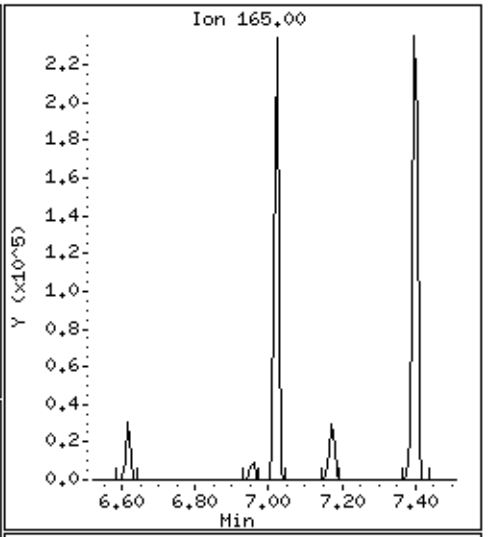
Operator: MJ

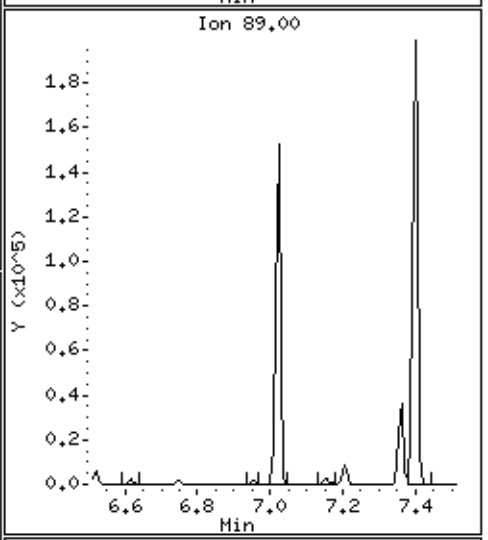
Column phase: HPMS-5 Column diameter: 0.25

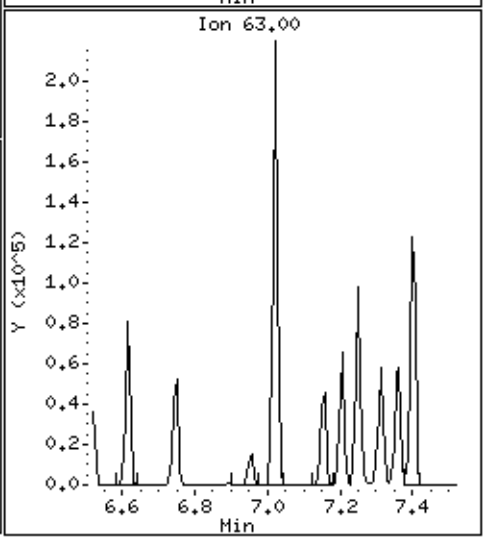
67 2,6-Dinitrotoluene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

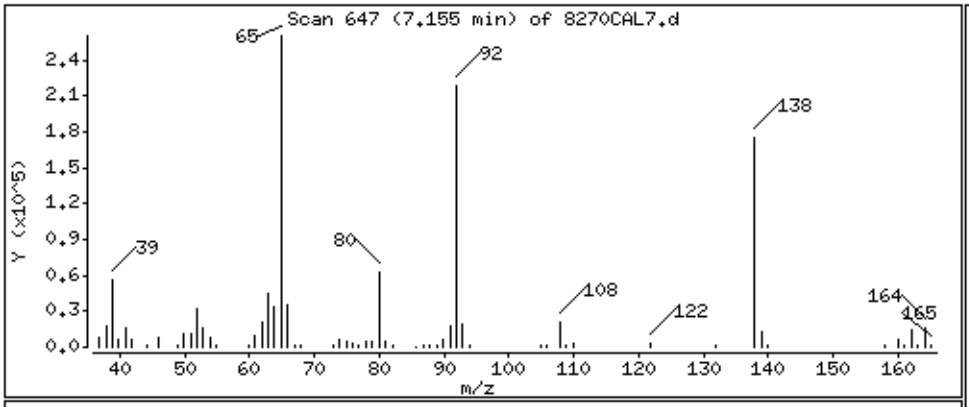
Sample Info: 47763

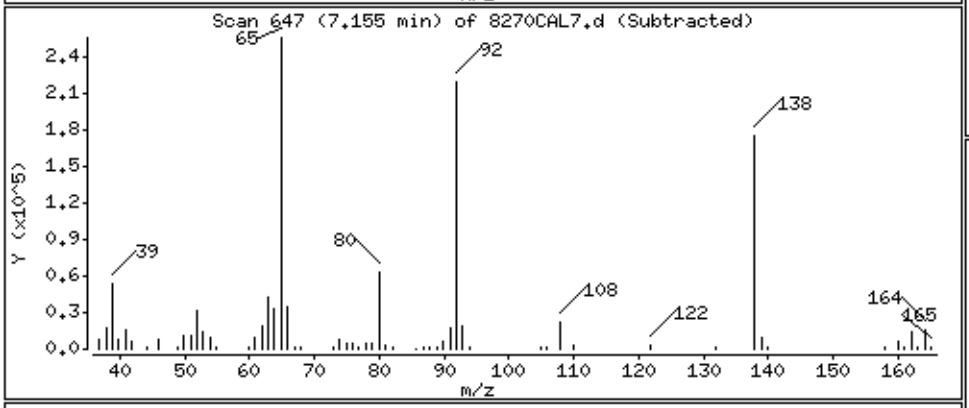
Operator: MJ

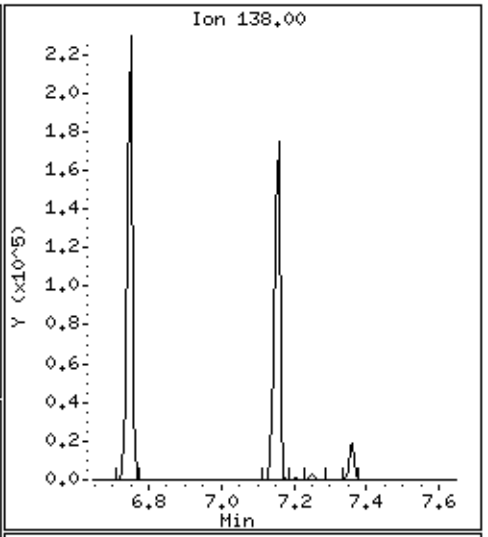
Column phase: HPMS-5

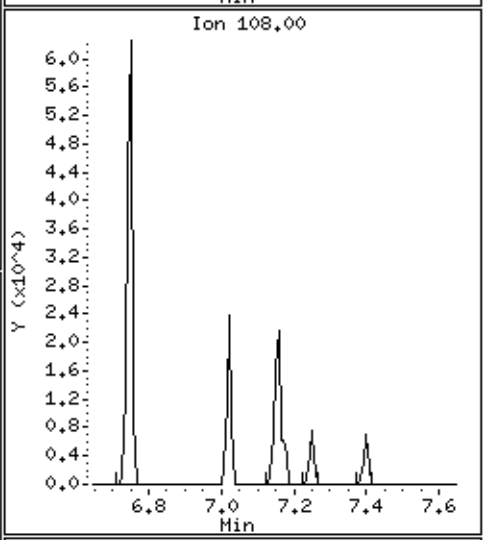
Column diameter: 0.25

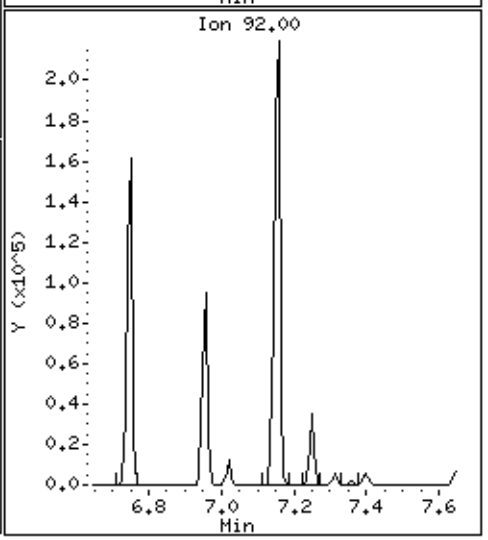
69 3-Nitroaniline











Date : 14-NOV-2012 22:40

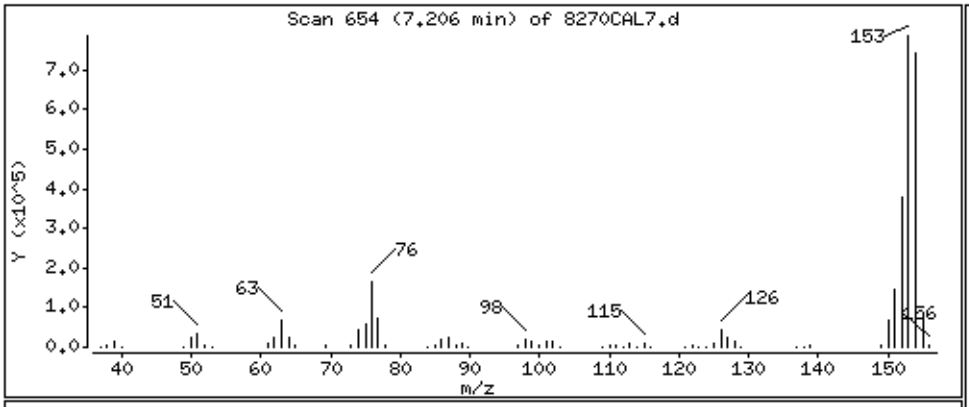
Client ID: 8270CAL7 Instrument: smsd04.i

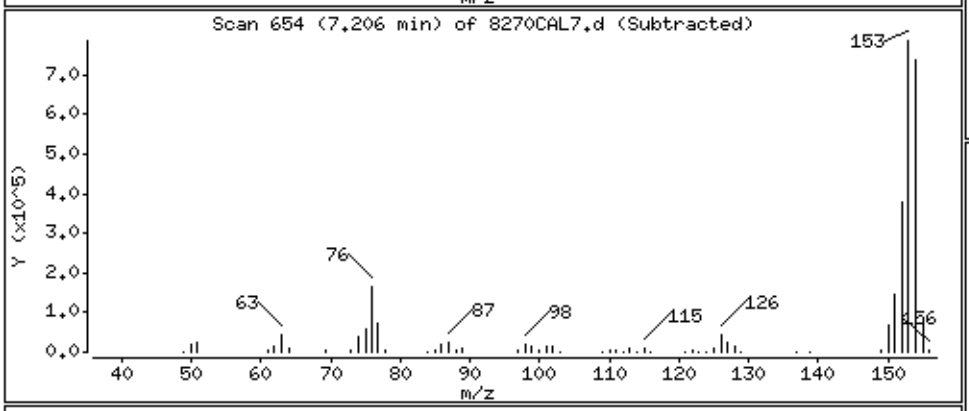
Sample Info: 47763

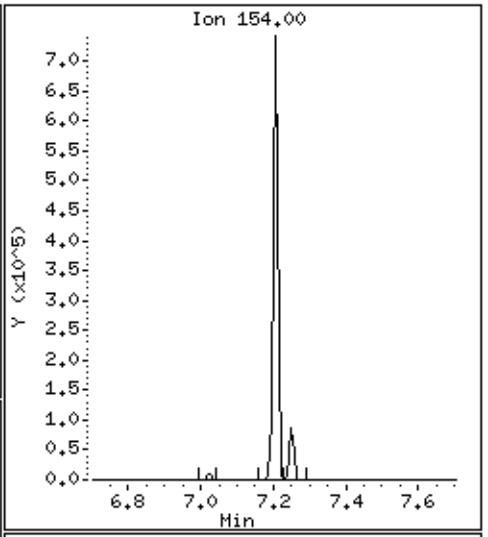
Operator: MJ

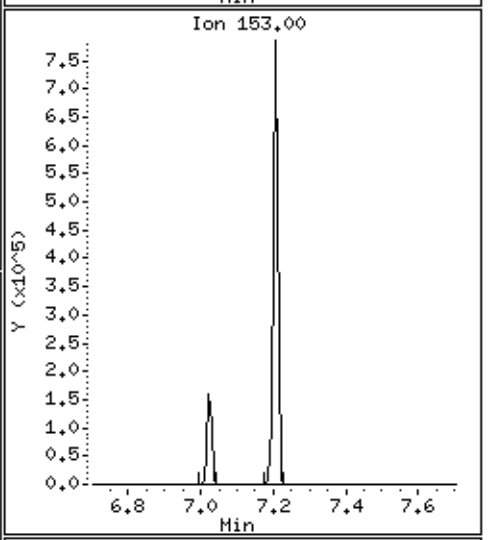
Column phase: HPMS-5 Column diameter: 0.25

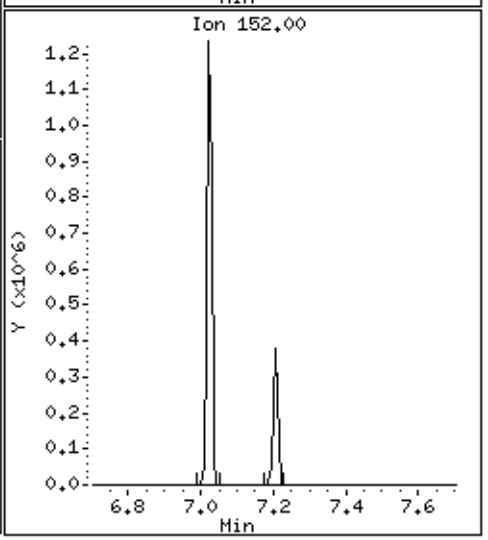
71 Acenaphthene











Date : 14-NOV-2012 22:40

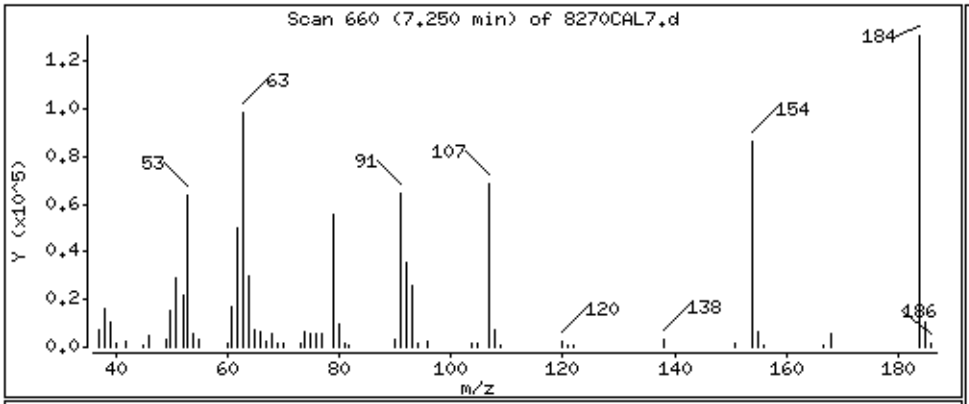
Client ID: 8270CAL7 Instrument: smsd04.i

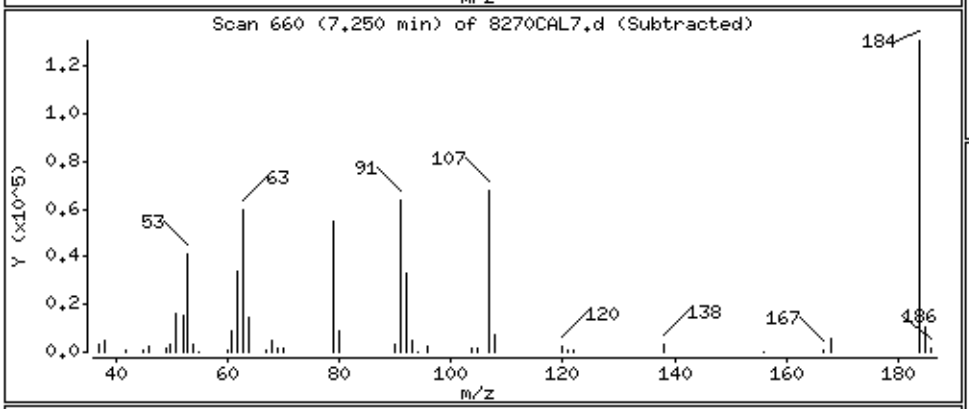
Sample Info: 47763

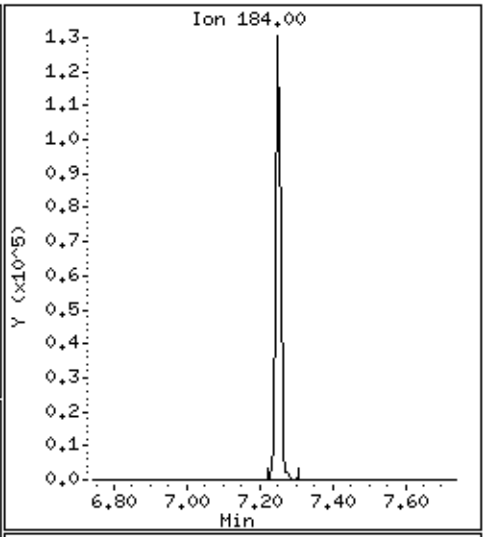
Operator: MJ

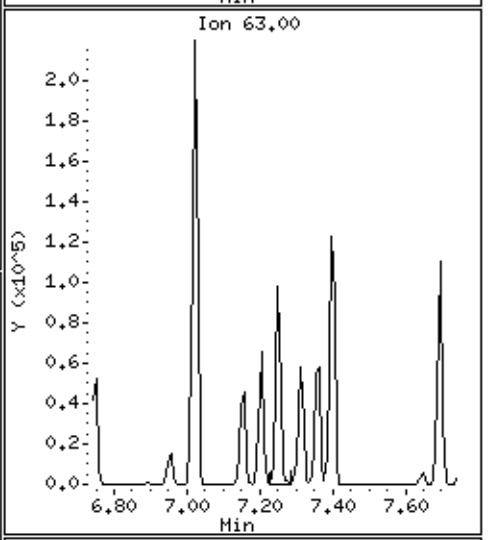
Column phase: HPMS-5 Column diameter: 0.25

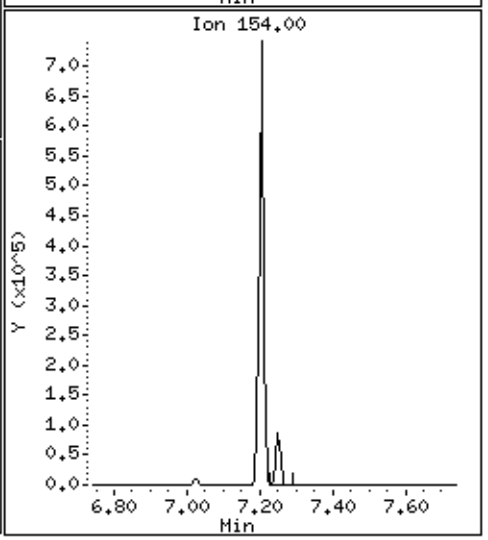
72 2,4-Dinitrophenol











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

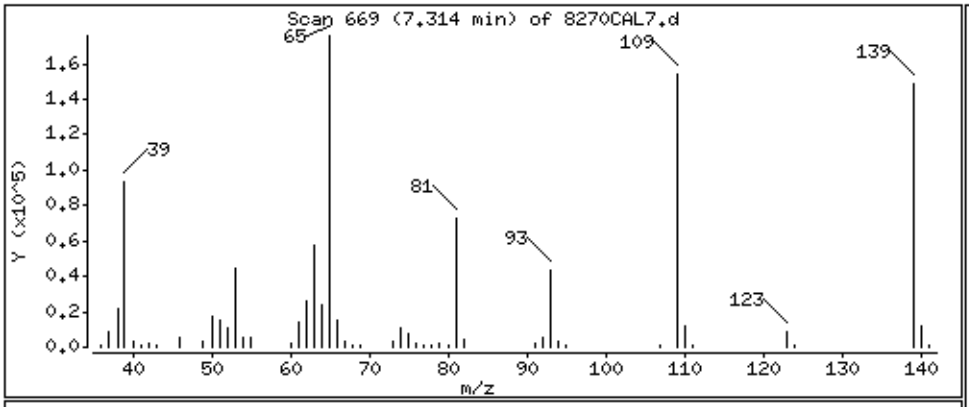
Sample Info: 47763

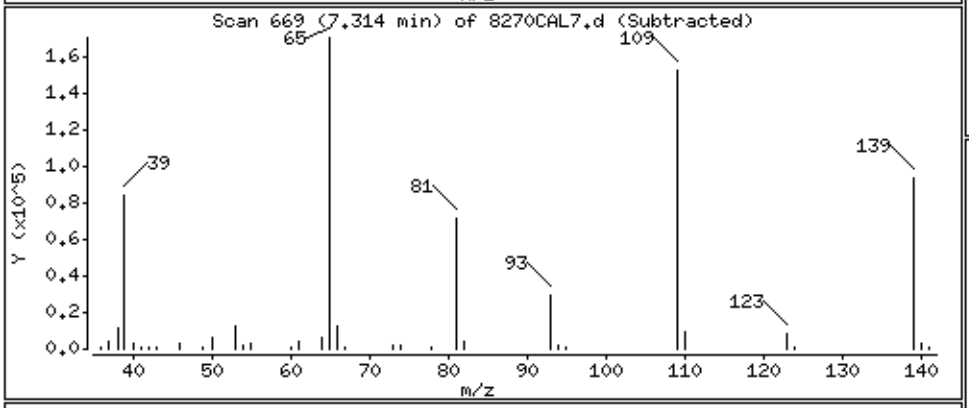
Operator: MJ

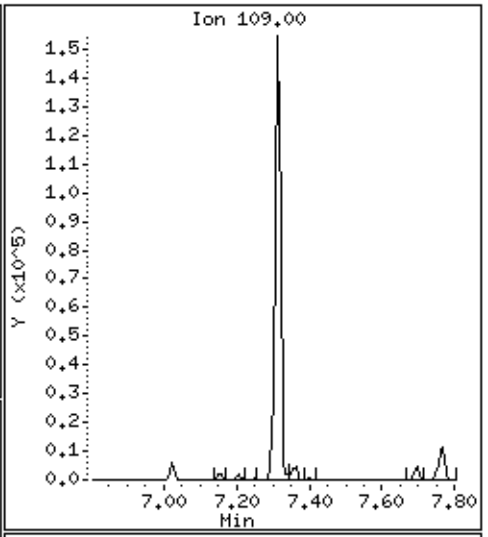
Column phase: HPMS-5

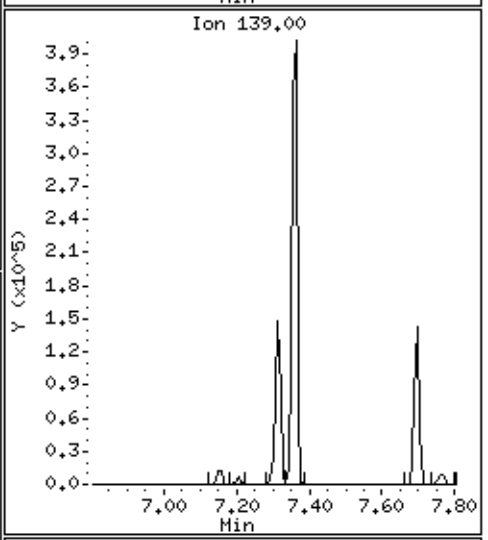
Column diameter: 0.25

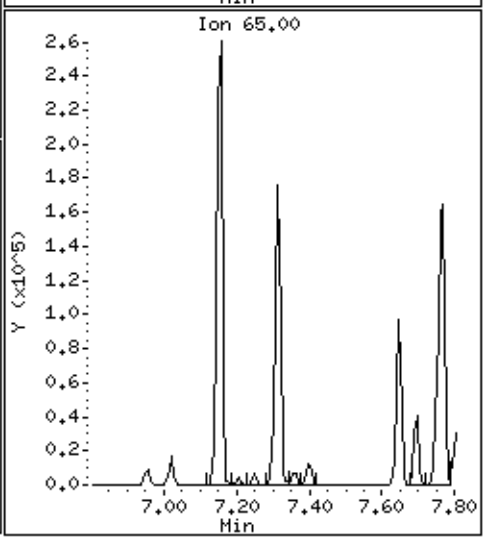
74 4-Nitrophenol











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

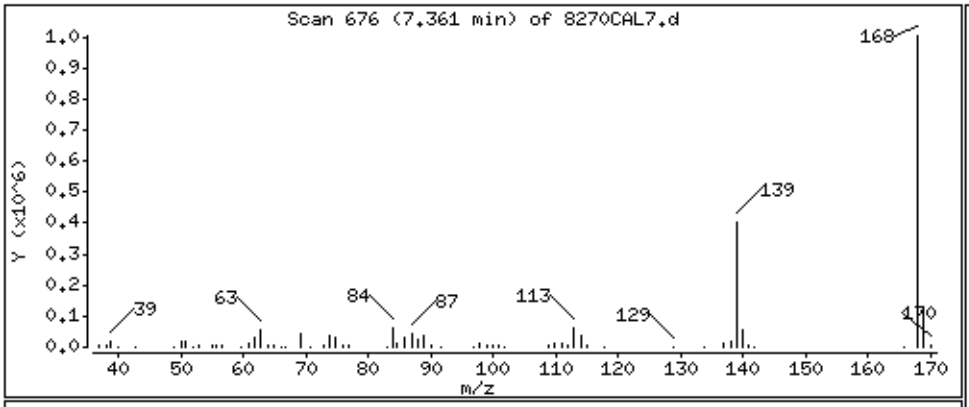
Sample Info: 47763

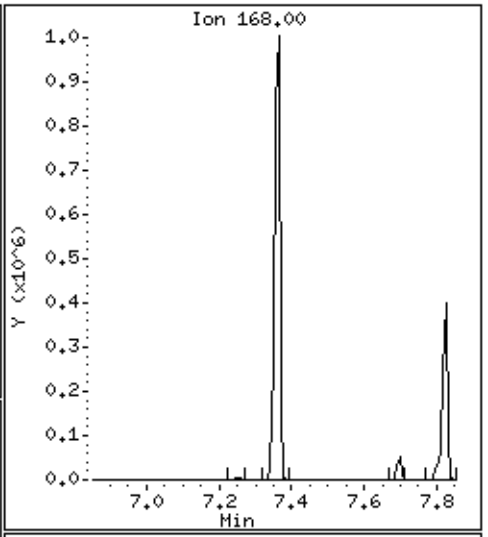
Operator: MJ

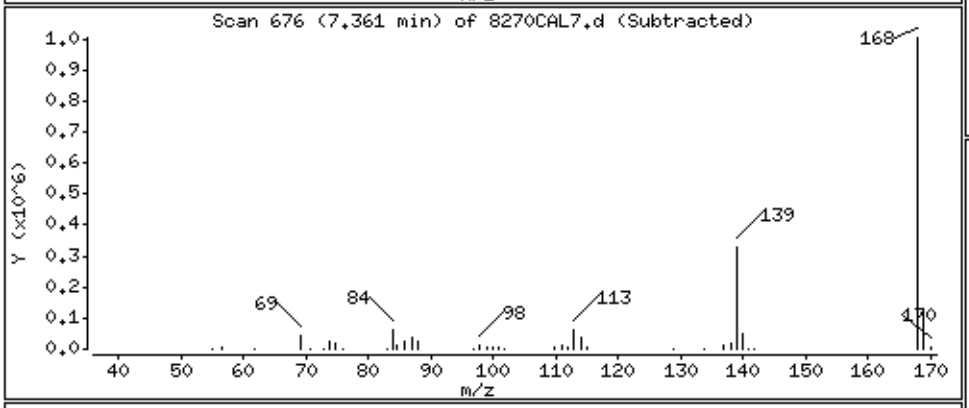
Column phase: HPMS-5

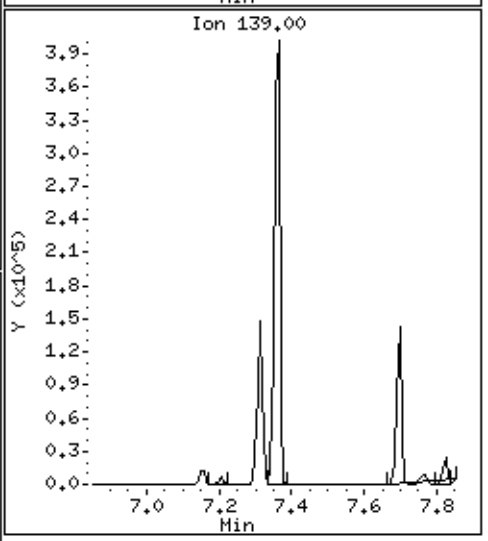
Column diameter: 0.25

75 Dibenzofuran









Date : 14-NOV-2012 22:40

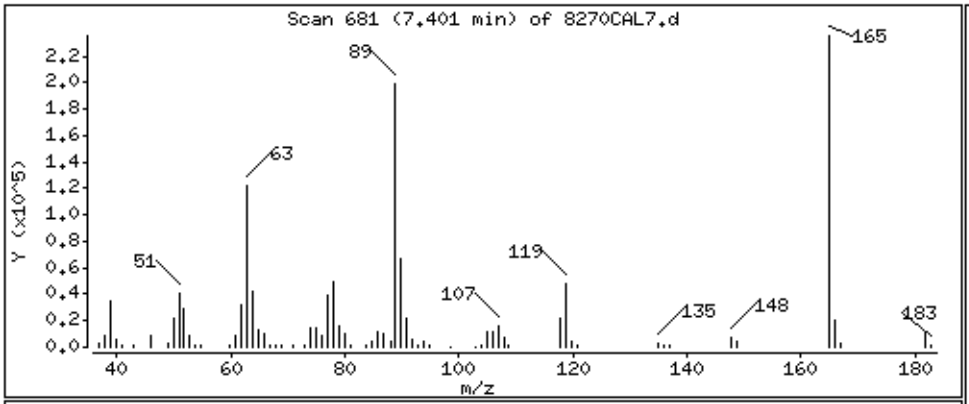
Client ID: 8270CAL7 Instrument: smsd04.i

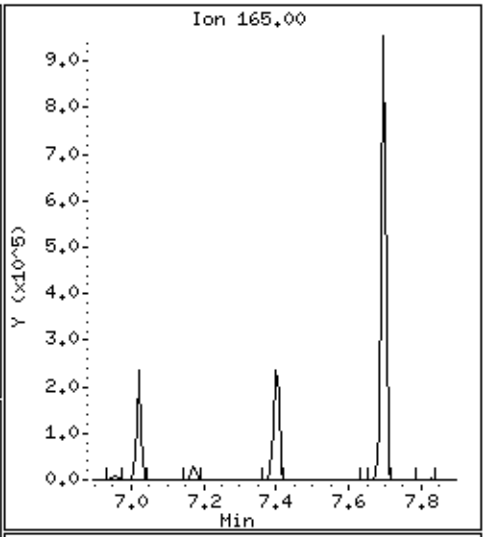
Sample Info: 47763

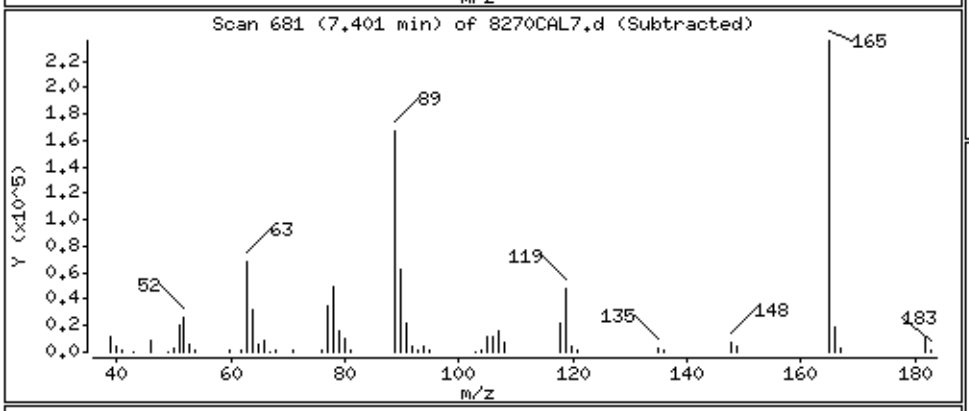
Operator: MJ

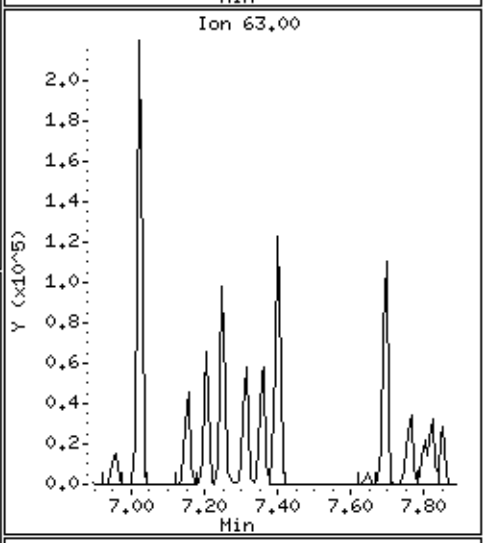
Column phase: HPMS-5 Column diameter: 0.25

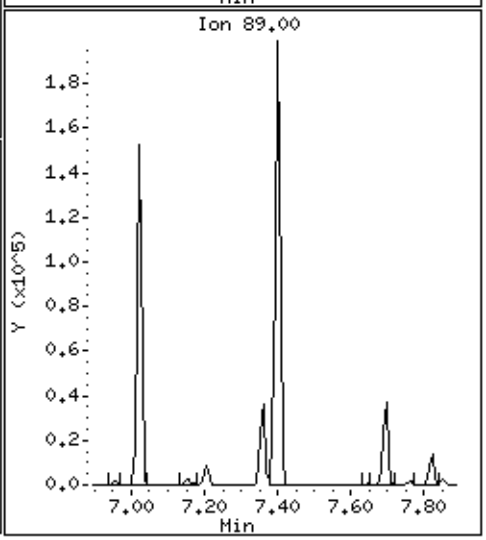
76 2,4-Dinitrotoluene











Date : 14-NOV-2012 22:40

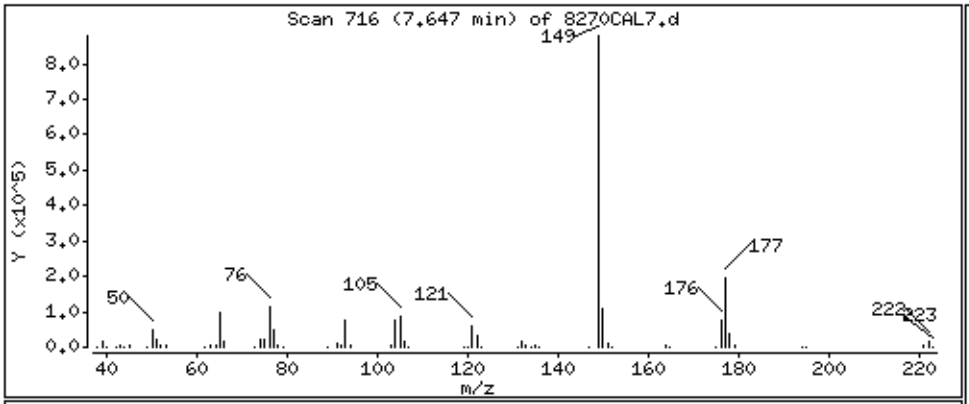
Client ID: 8270CAL7 Instrument: smsd04.i

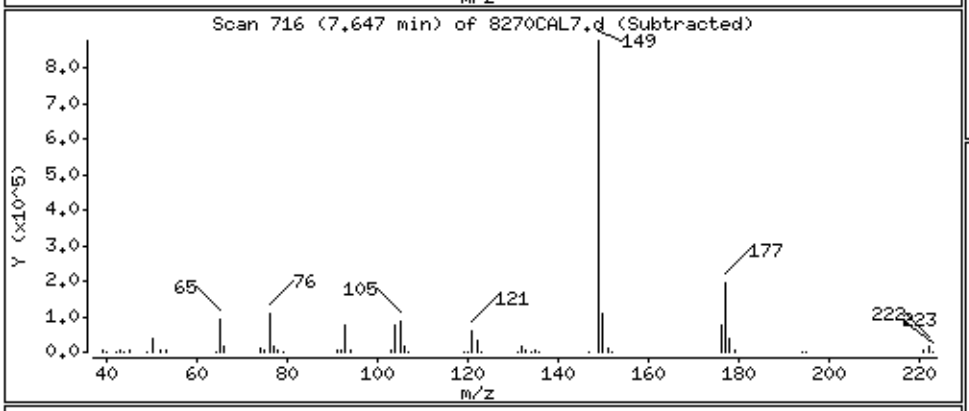
Sample Info: 47763

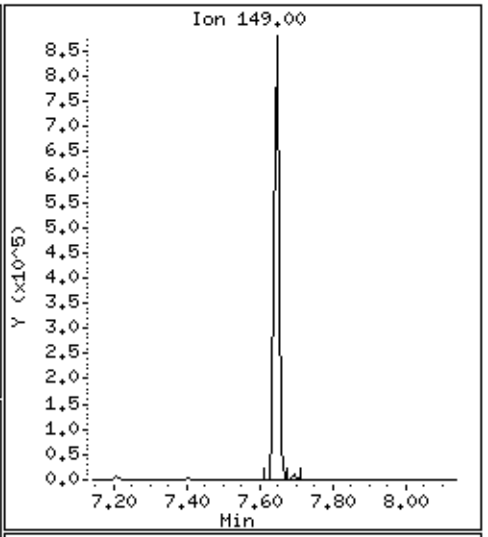
Operator: MJ

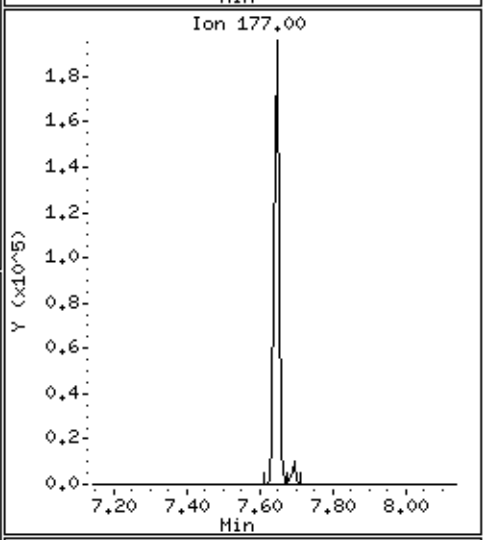
Column phase: HPMS-5 Column diameter: 0.25

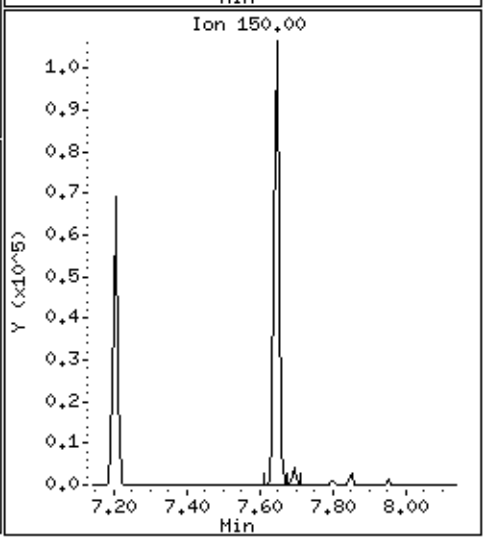
80 Diethylphthalate











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

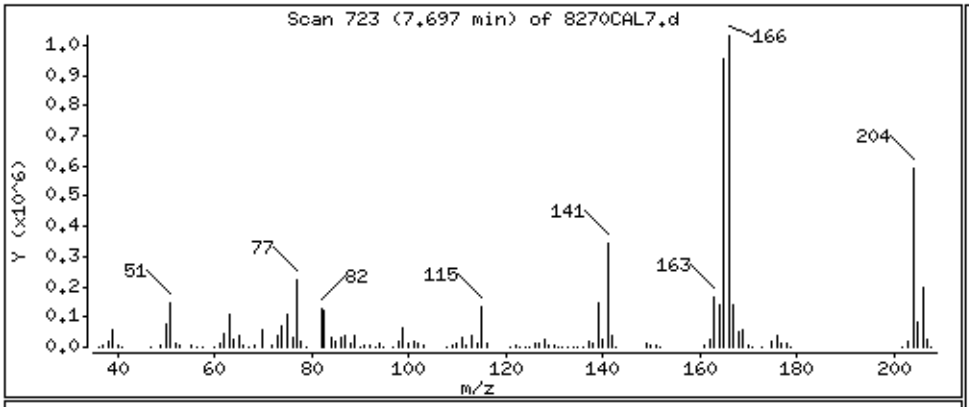
Sample Info: 47763

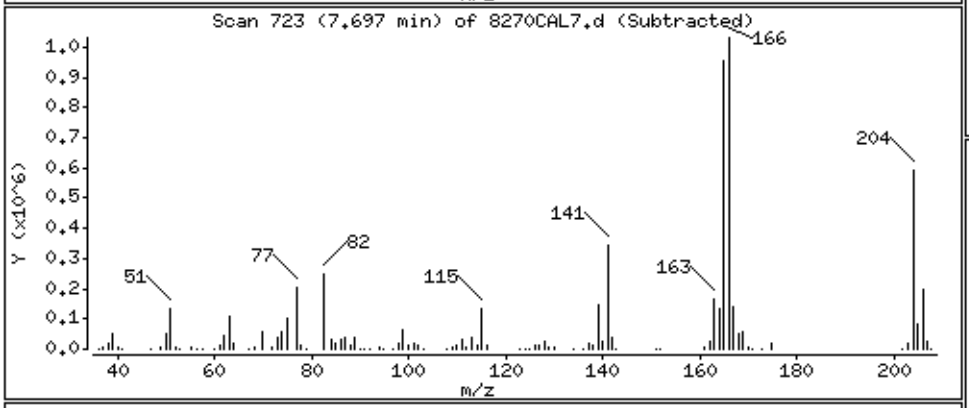
Operator: MJ

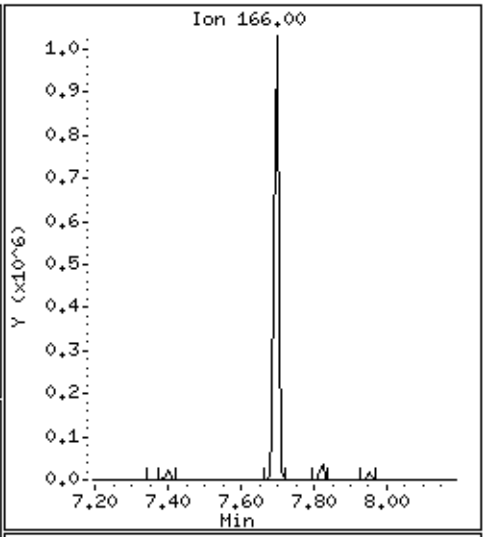
Column phase: HPMS-5

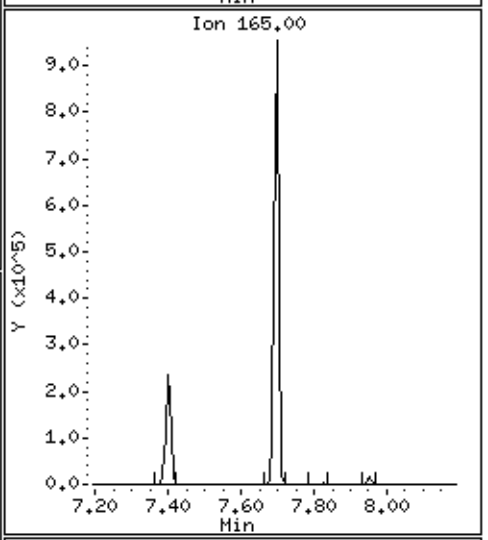
Column diameter: 0.25

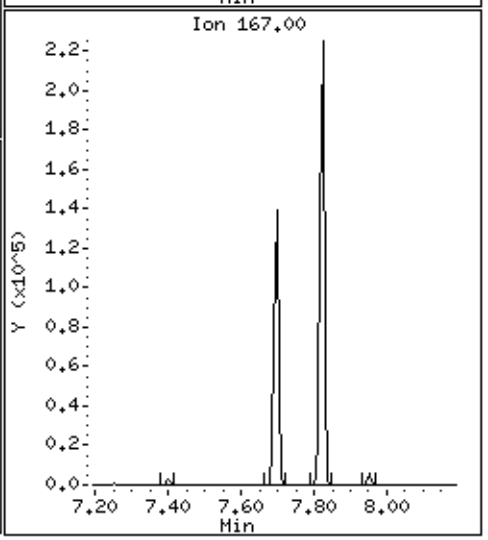
81 Fluorene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

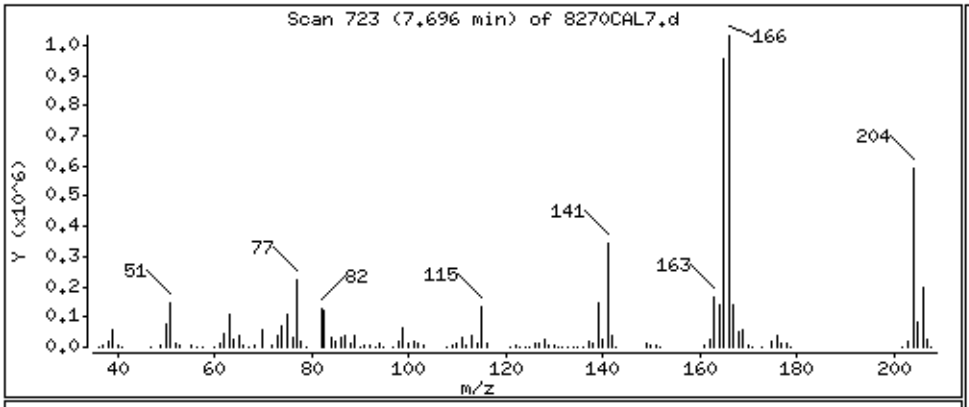
Sample Info: 47763

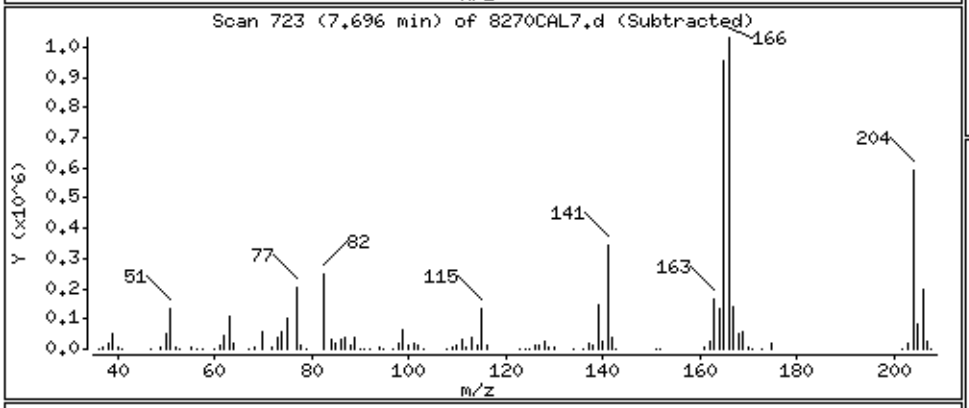
Operator: MJ

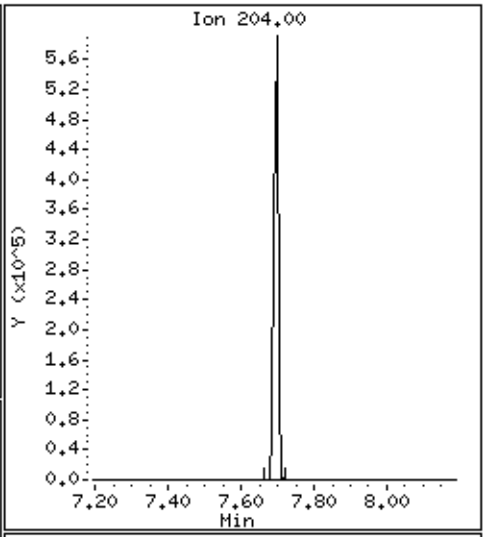
Column phase: HPMS-5

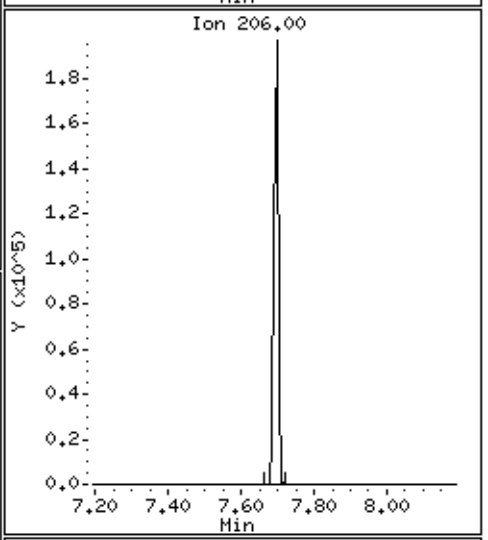
Column diameter: 0.25

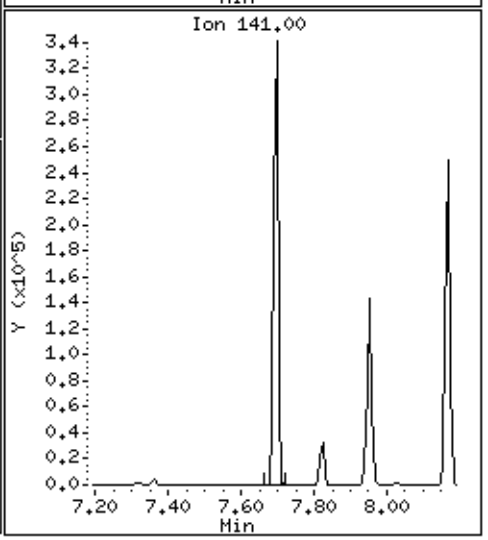
82 4-Chlorophenyl-phenylether











Date : 14-NOV-2012 22:40

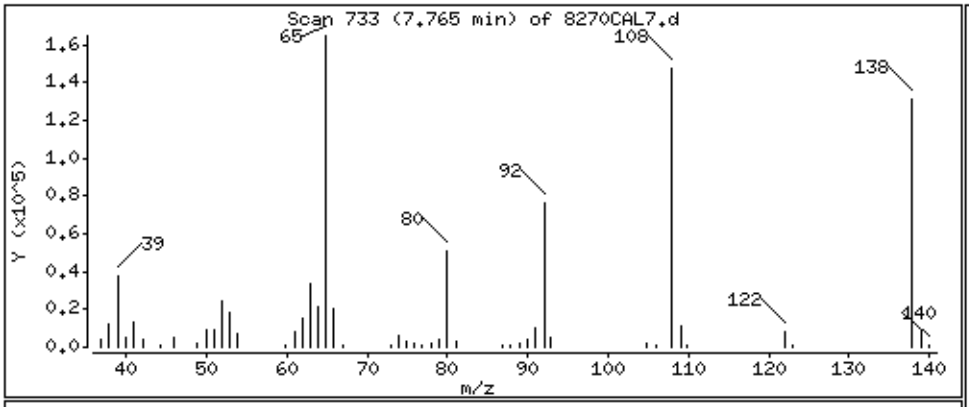
Client ID: 8270CAL7 Instrument: smsd04.i

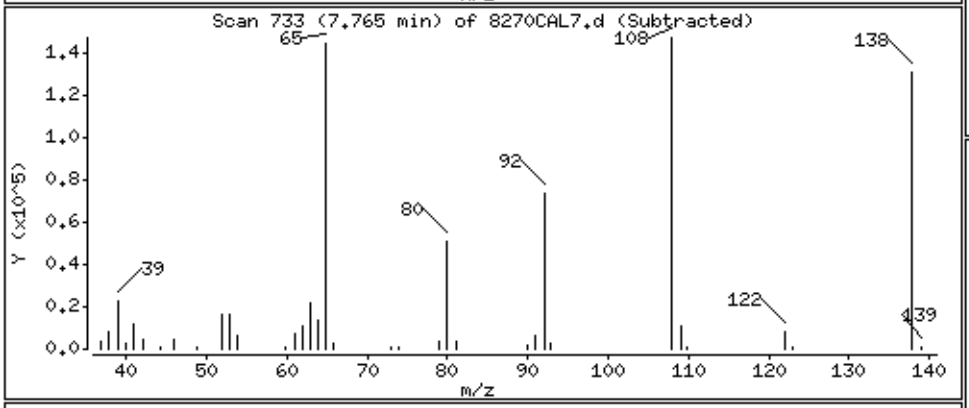
Sample Info: 47763

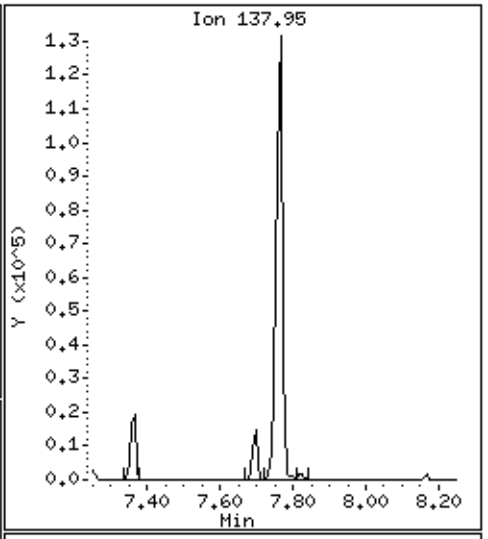
Operator: MJ

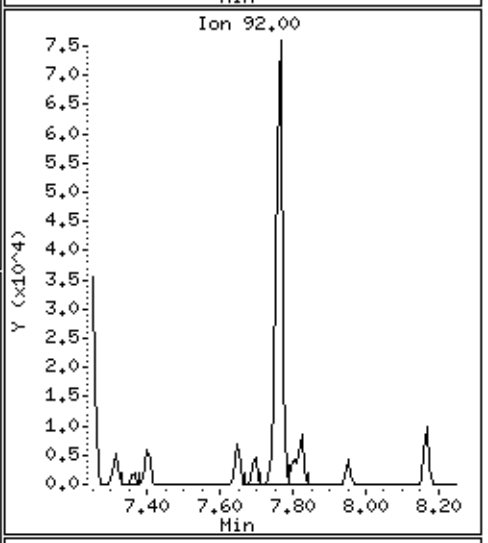
Column phase: HPMS-5 Column diameter: 0.25

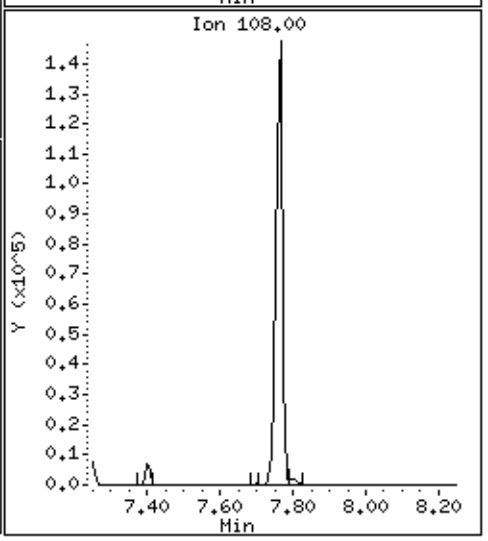
84 4-Nitroaniline











Date : 14-NOV-2012 22:40

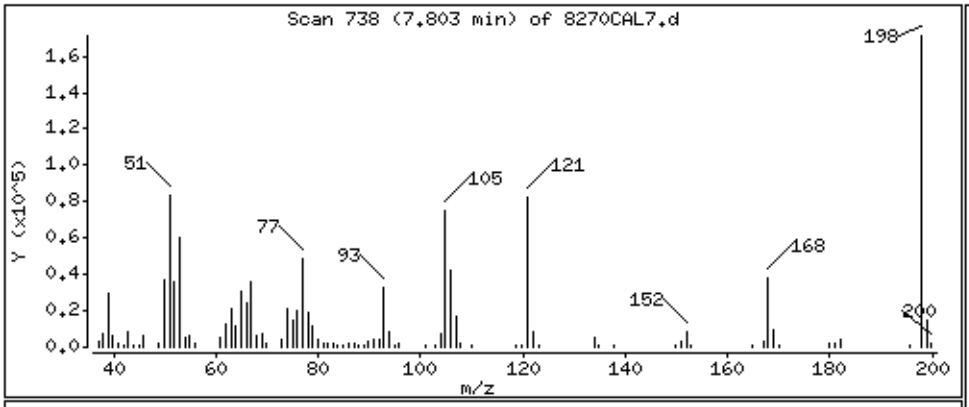
Client ID: 8270CAL7 Instrument: smsd04.i

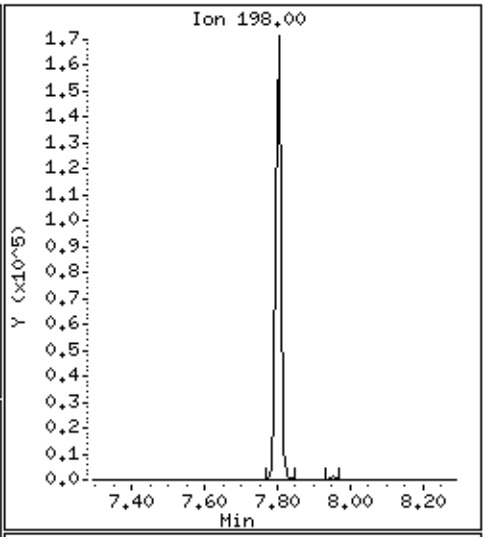
Sample Info: 47763

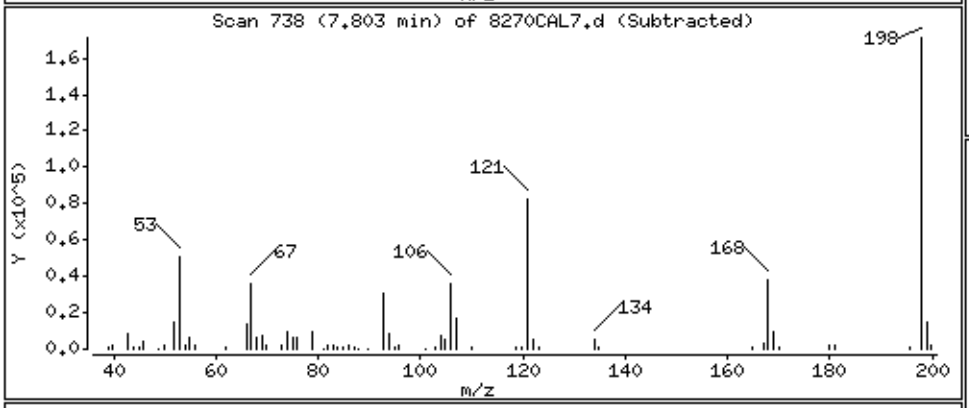
Operator: MJ

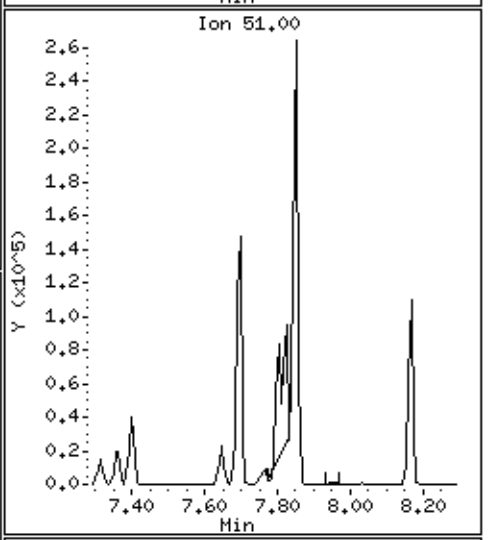
Column phase: HPMS-5 Column diameter: 0.25

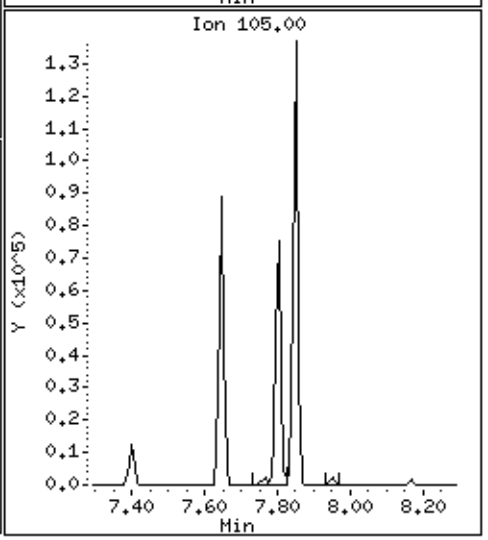
85 4,6-Dinitro-2-methylphenol











Date : 14-NOV-2012 22:40

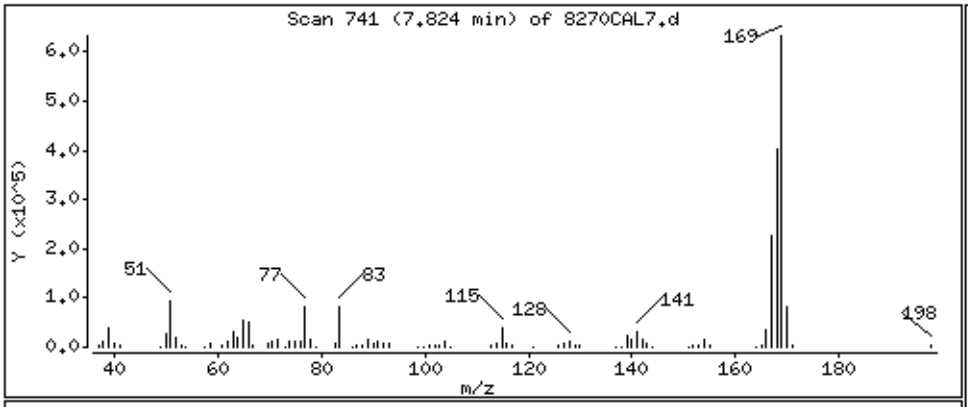
Client ID: 8270CAL7 Instrument: smsd04.i

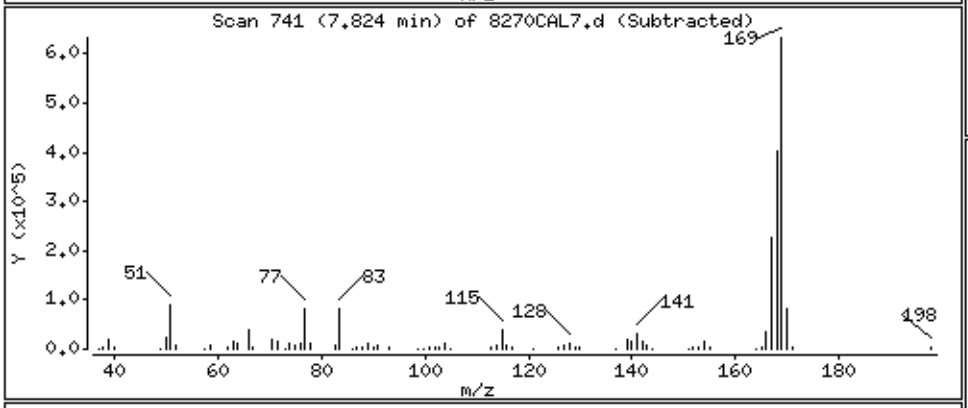
Sample Info: 47763

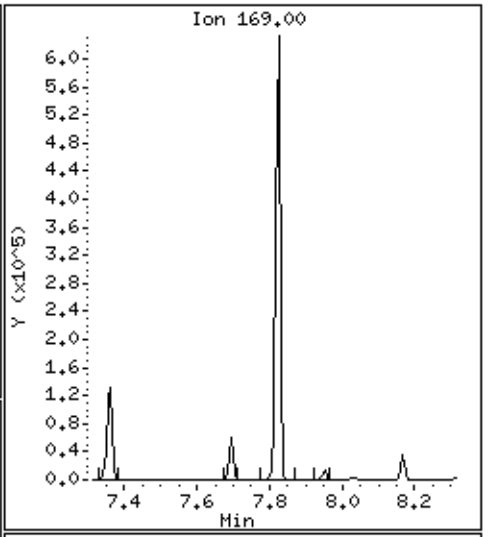
Operator: MJ

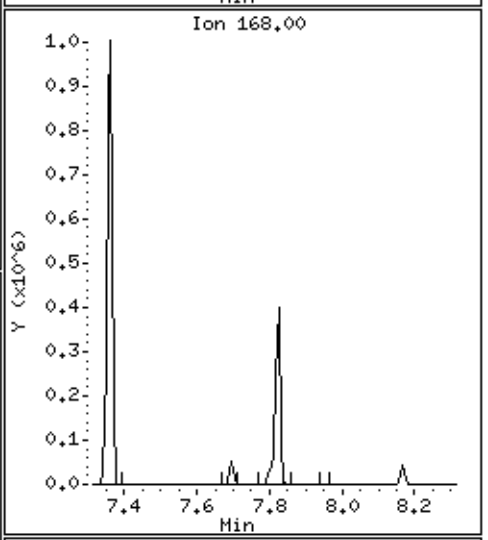
Column phase: HPMS-5 Column diameter: 0.25

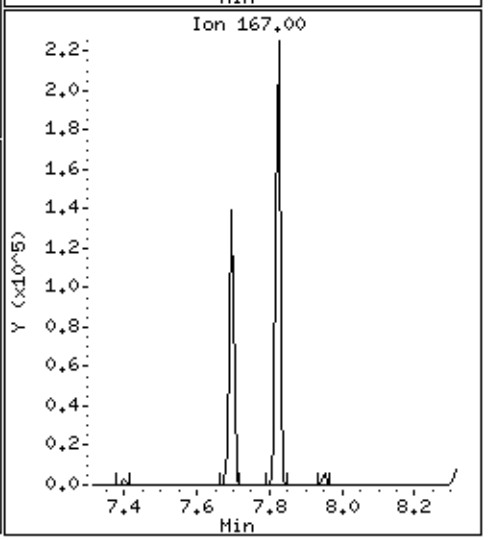
86 N-Nitrosodiphenylamine











Date : 14-NOV-2012 22:40

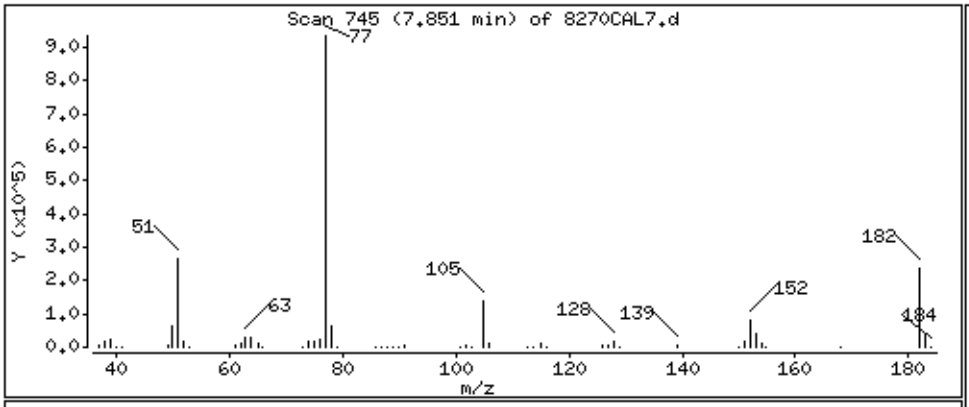
Client ID: 8270CAL7 Instrument: smsd04.i

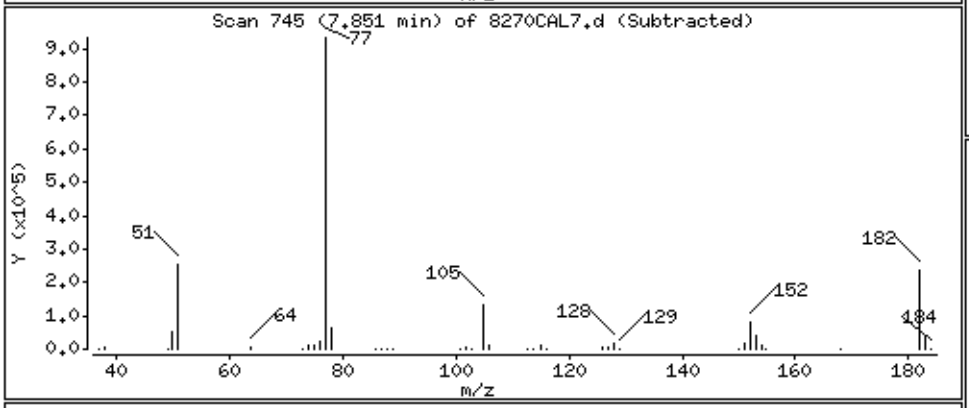
Sample Info: 47763

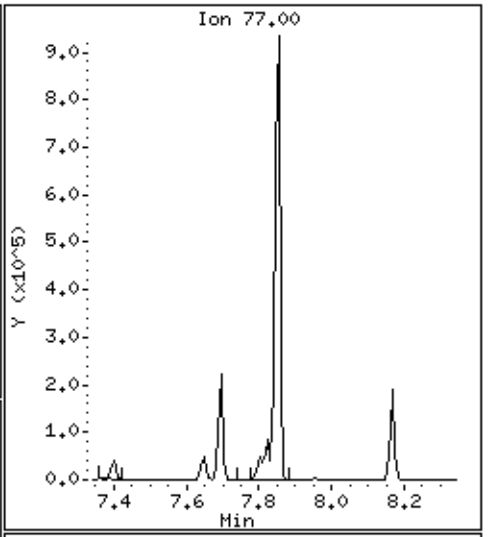
Operator: MJ

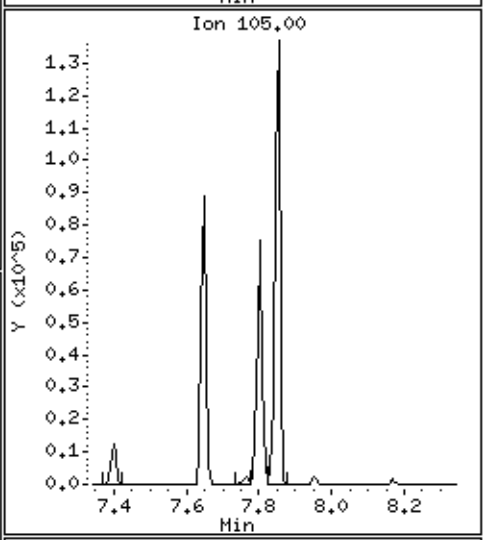
Column phase: HPMS-5 Column diameter: 0.25

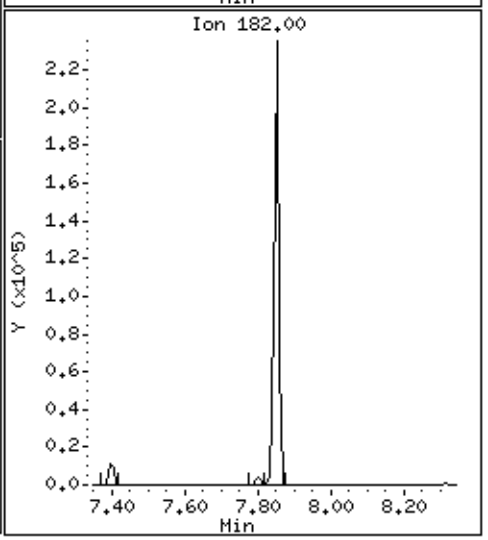
87 1,2-Diphenylhydrazine











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

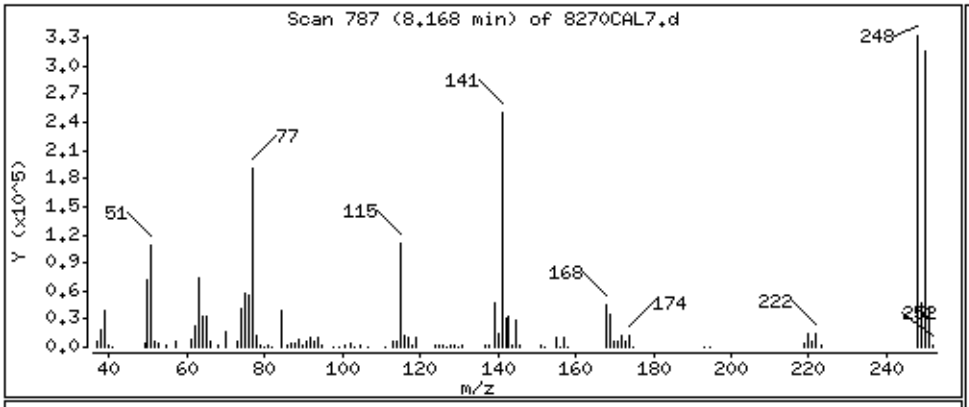
Sample Info: 47763

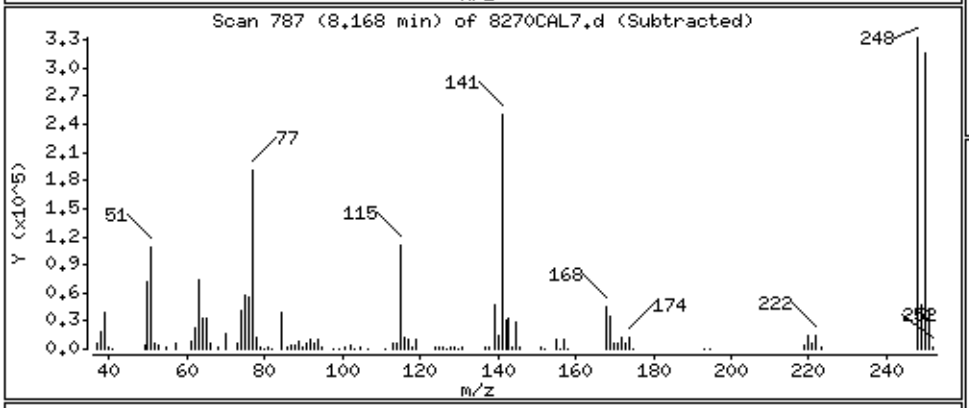
Operator: MJ

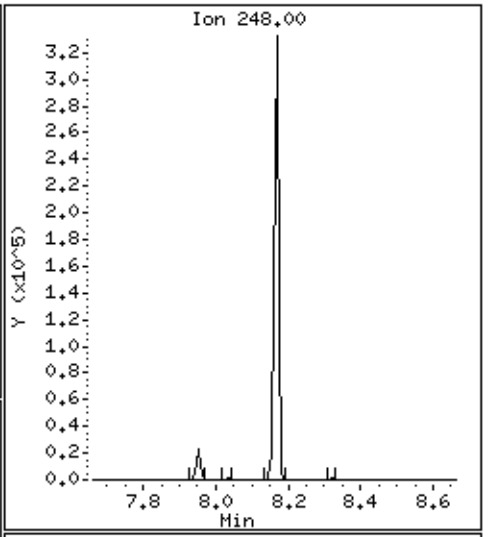
Column phase: HPMS-5

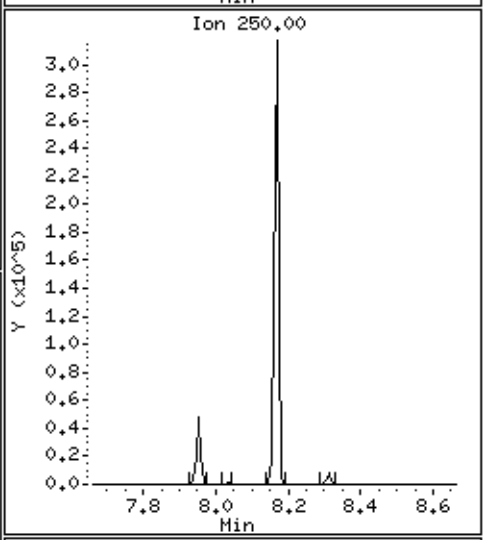
Column diameter: 0.25

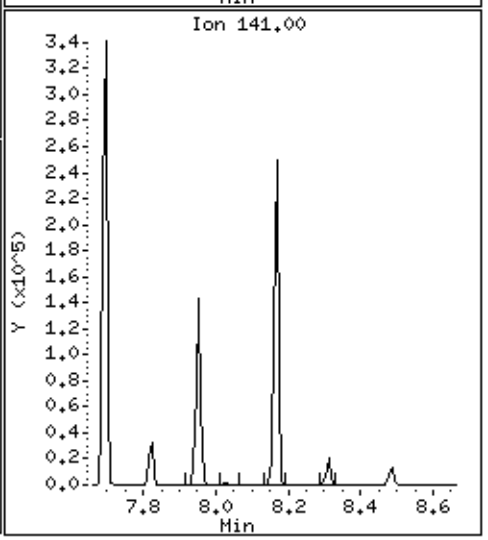
93 4-Bromophenylphenylether











Date : 14-NOV-2012 22:40

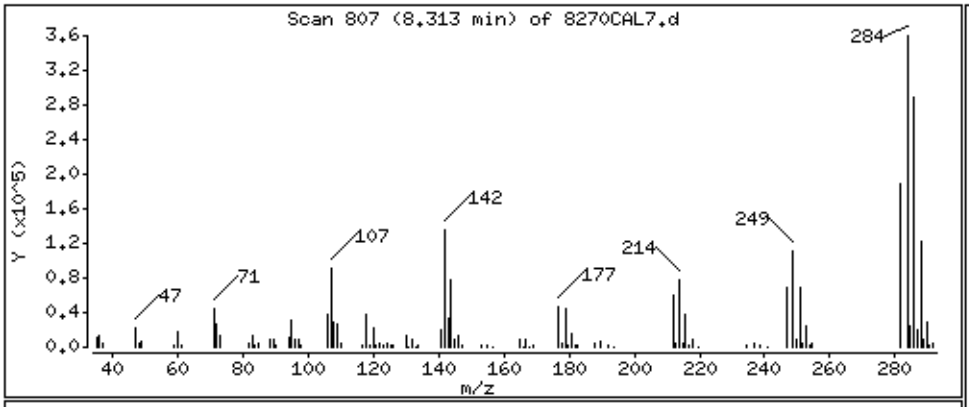
Client ID: 8270CAL7 Instrument: smsd04.i

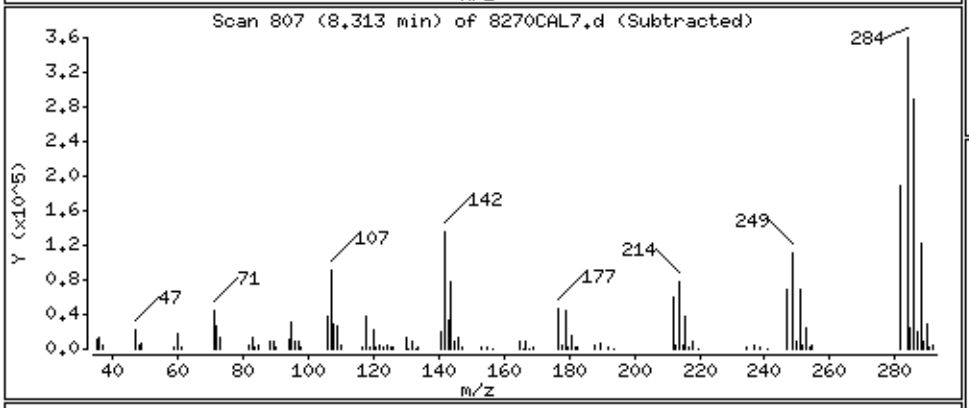
Sample Info: 47763

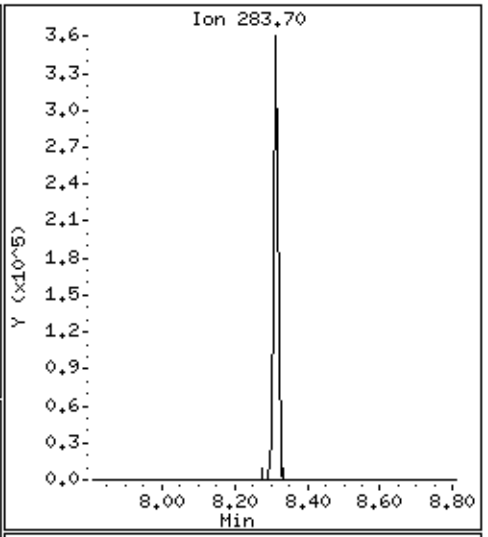
Operator: MJ

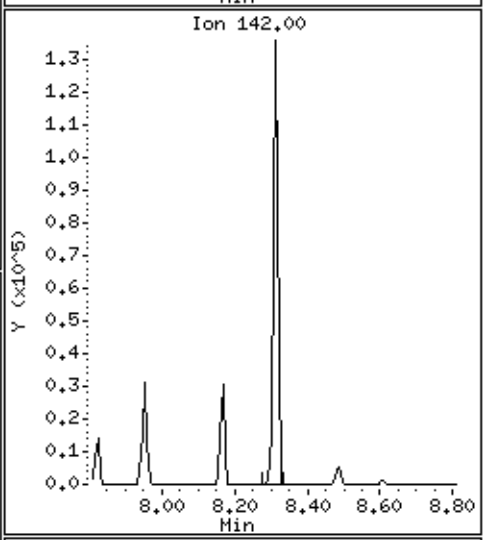
Column phase: HPMS-5 Column diameter: 0.25

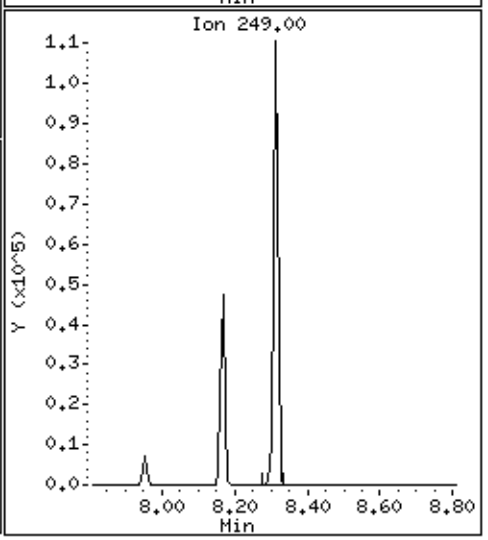
94 Hexachlorobenzene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

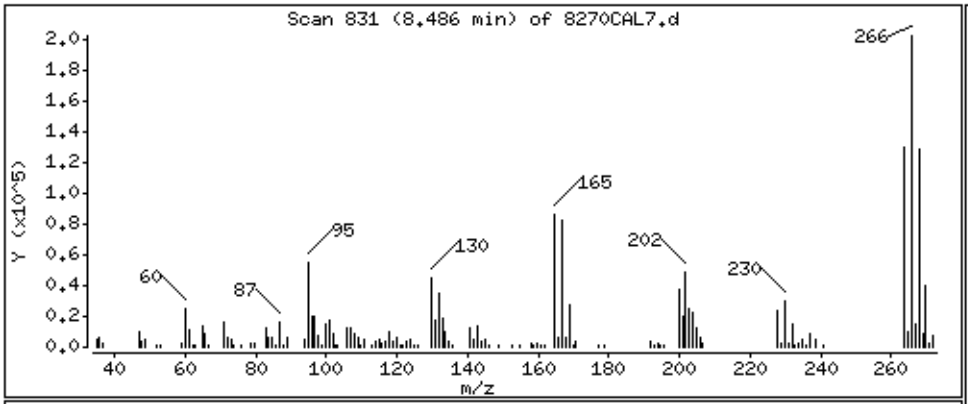
Sample Info: 47763

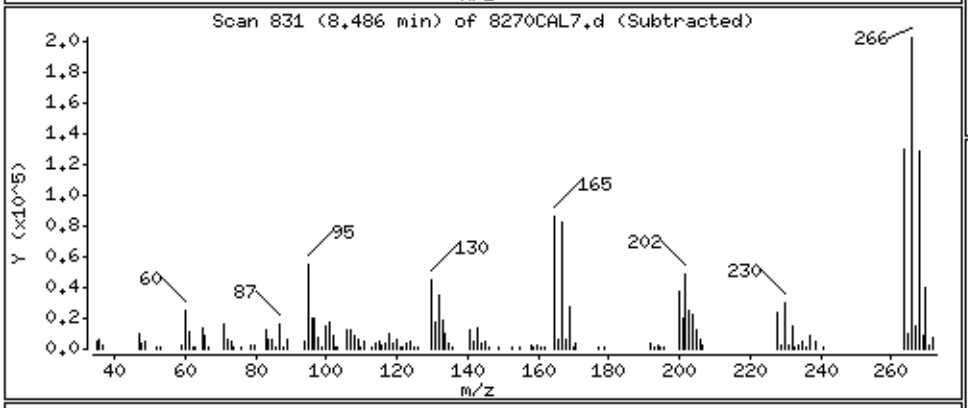
Operator: MJ

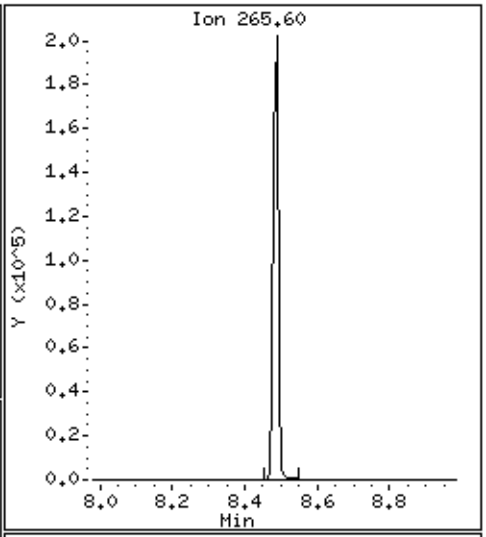
Column phase: HPMS-5

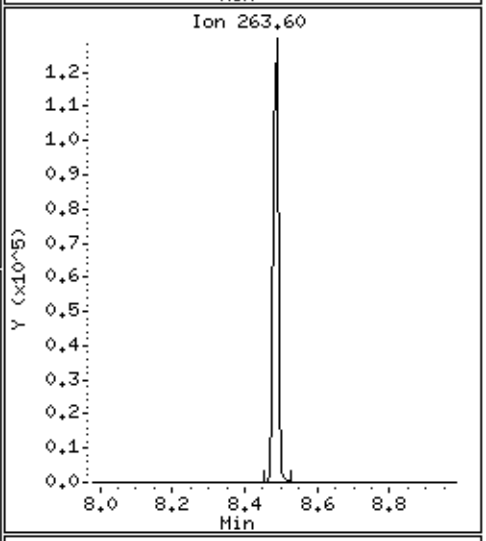
Column diameter: 0.25

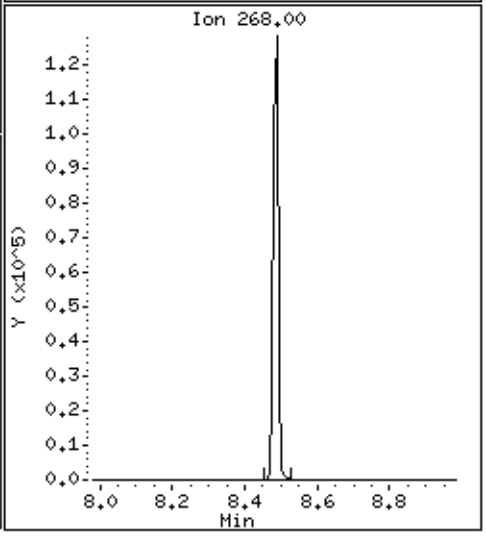
96 Pentachlorophenol











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

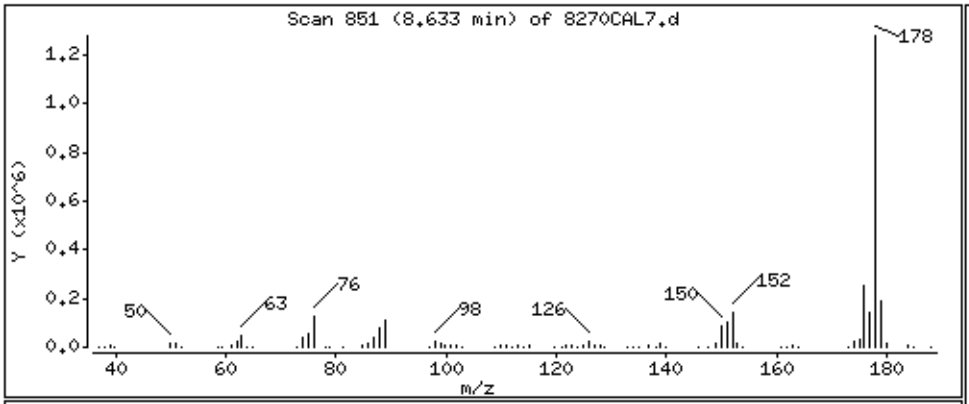
Sample Info: 47763

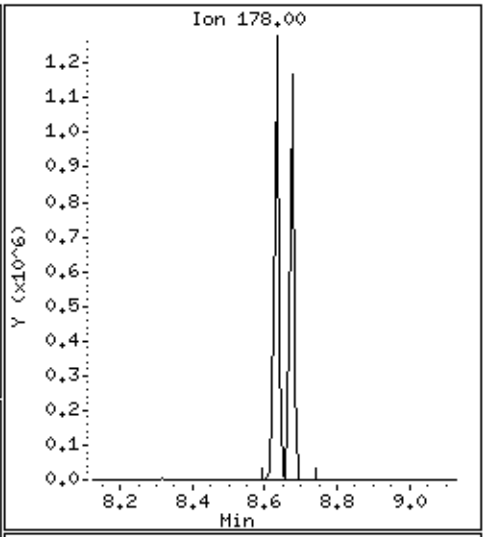
Operator: MJ

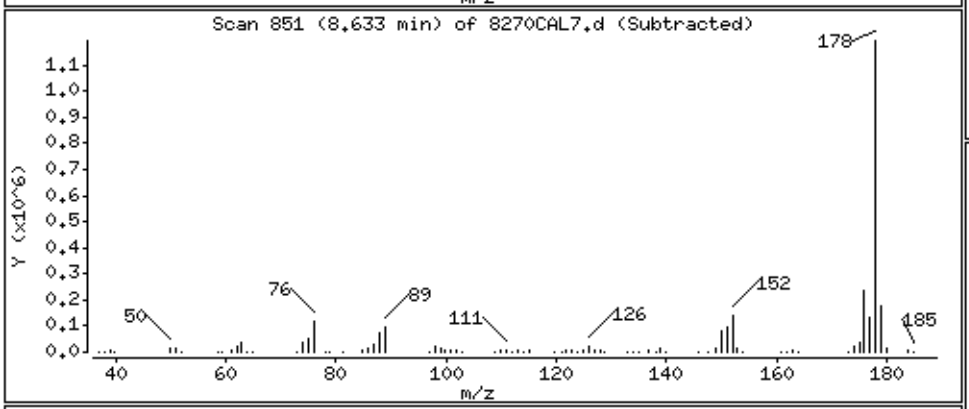
Column phase: HPMS-5

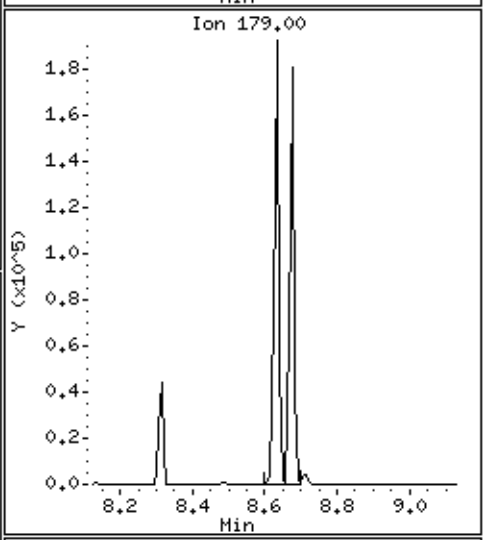
Column diameter: 0.25

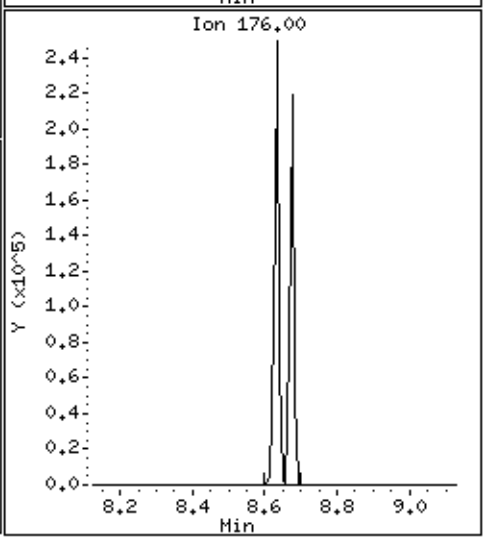
101 Phenanthrene











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

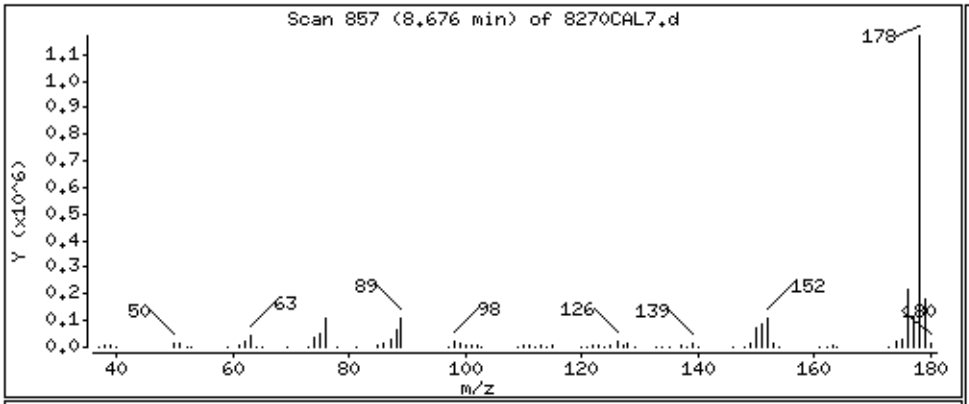
Sample Info: 47763

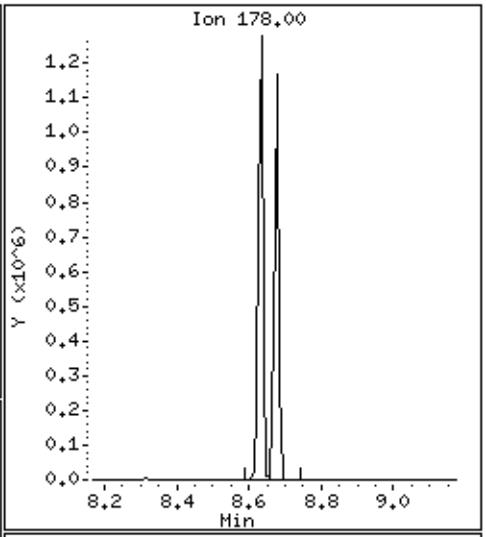
Operator: MJ

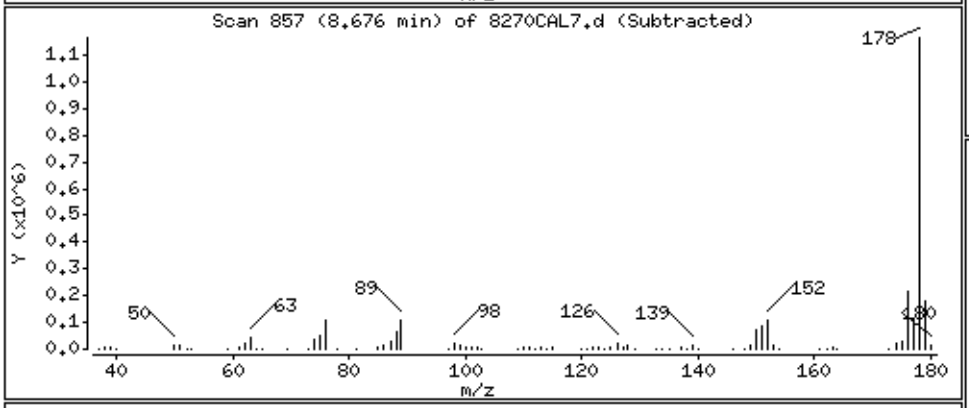
Column phase: HPMS-5

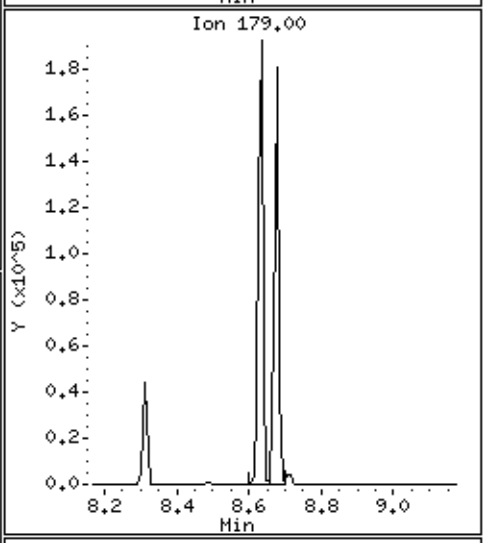
Column diameter: 0.25

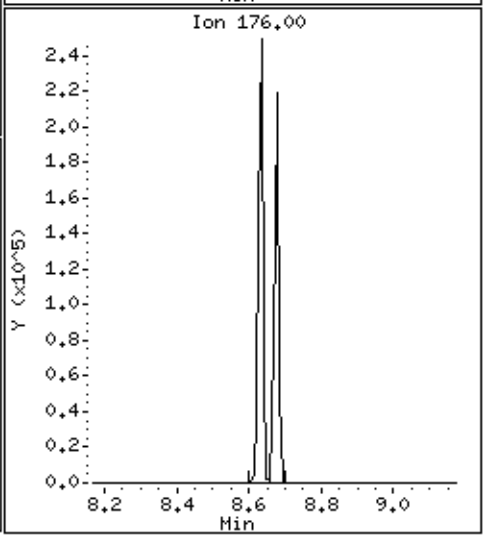
103 Anthracene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

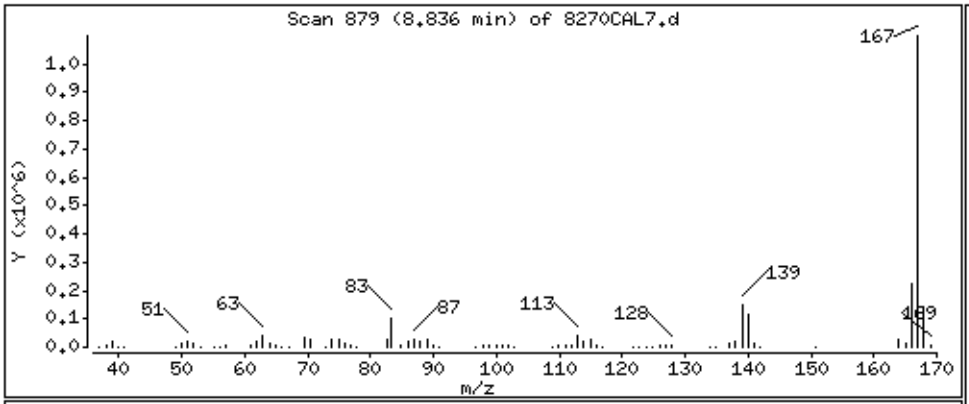
Sample Info: 47763

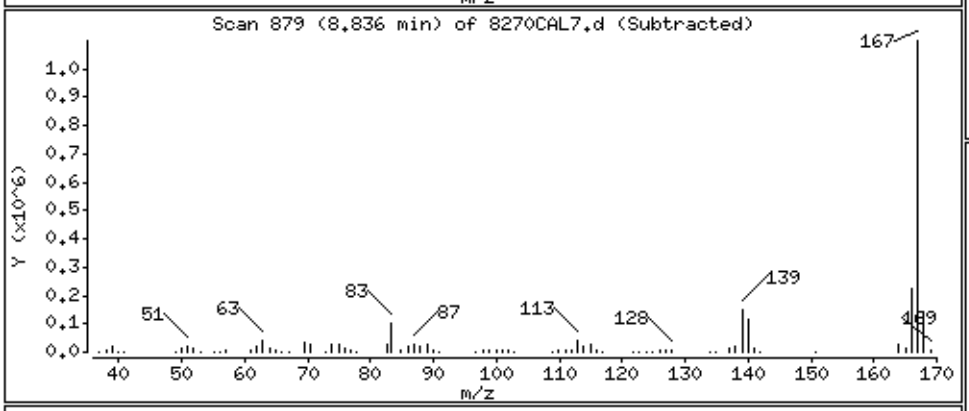
Operator: MJ

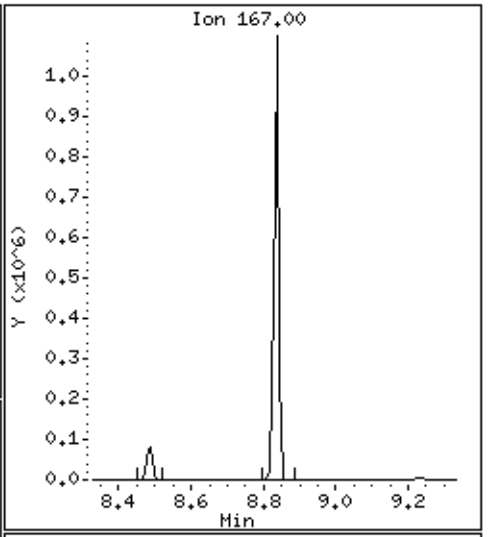
Column phase: HPMS-5

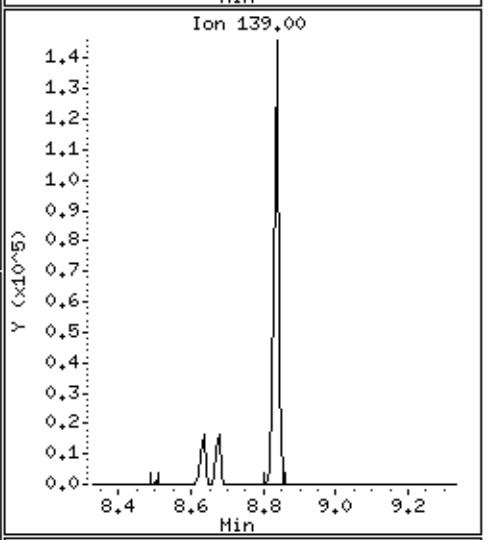
Column diameter: 0.25

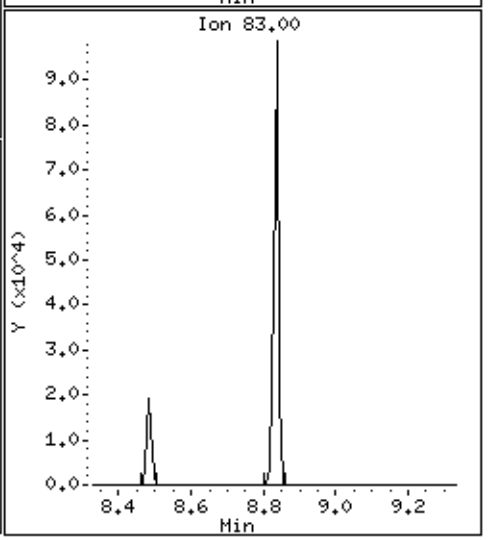
104 Carbazole











Date : 14-NOV-2012 22:40

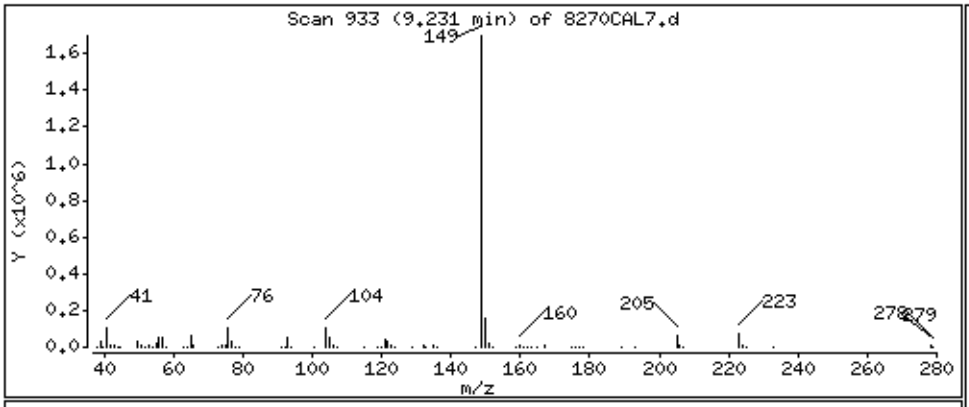
Client ID: 8270CAL7 Instrument: smsd04.i

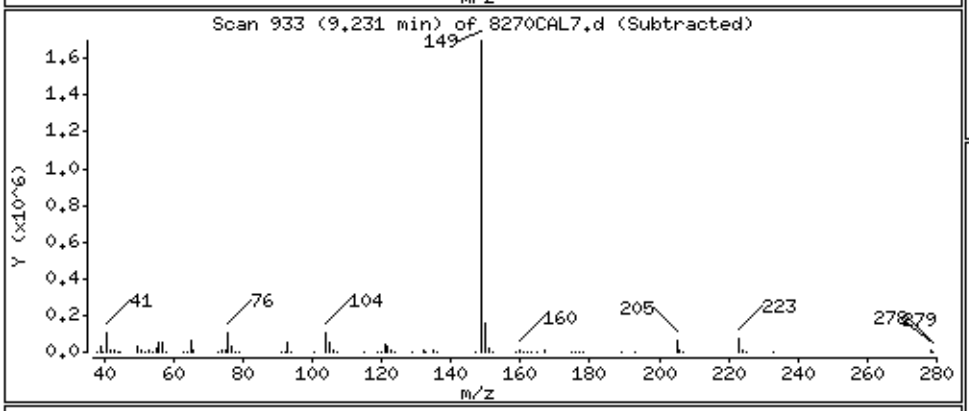
Sample Info: 47763

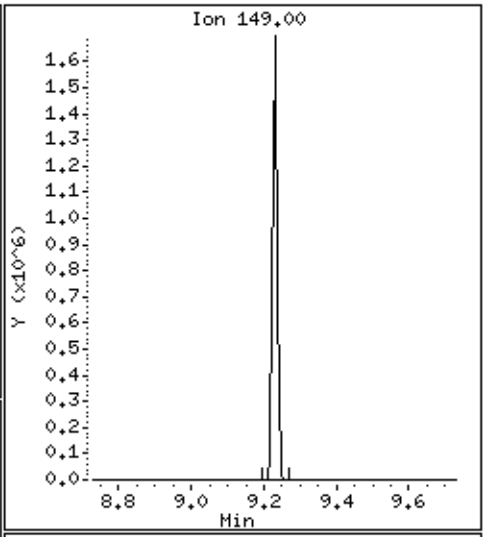
Operator: MJ

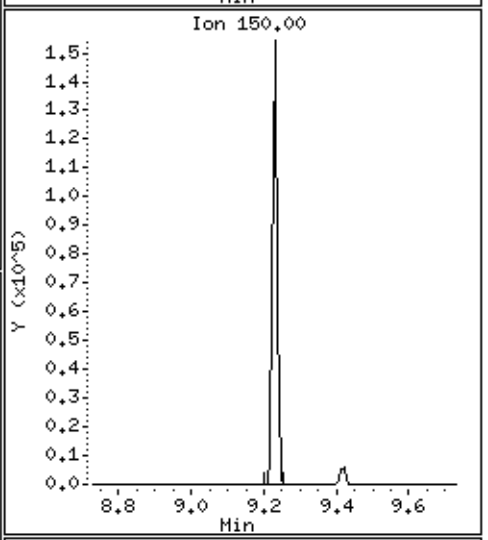
Column phase: HPMS-5 Column diameter: 0.25

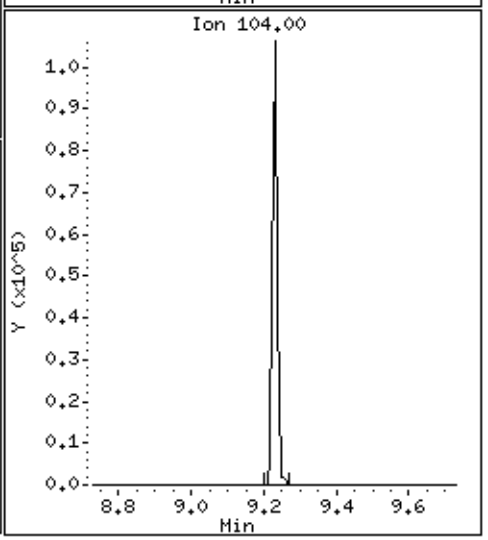
105 Di-n-butylphthalate











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

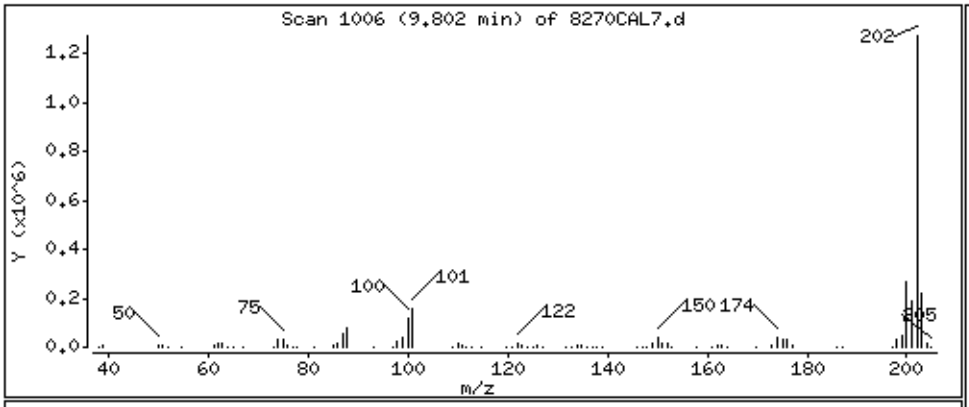
Sample Info: 47763

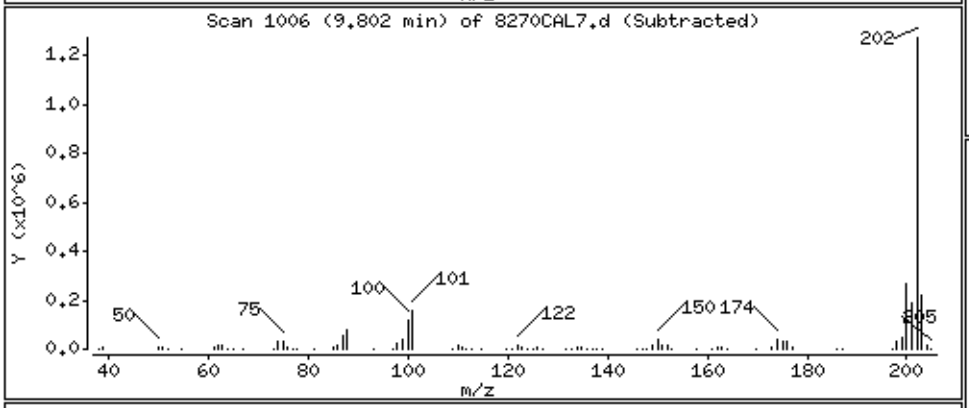
Operator: MJ

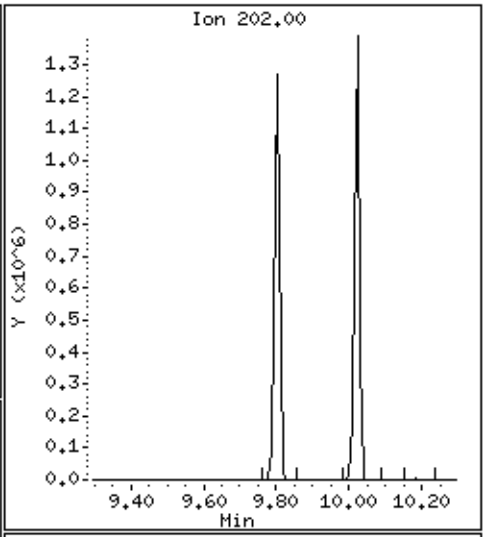
Column phase: HPMS-5

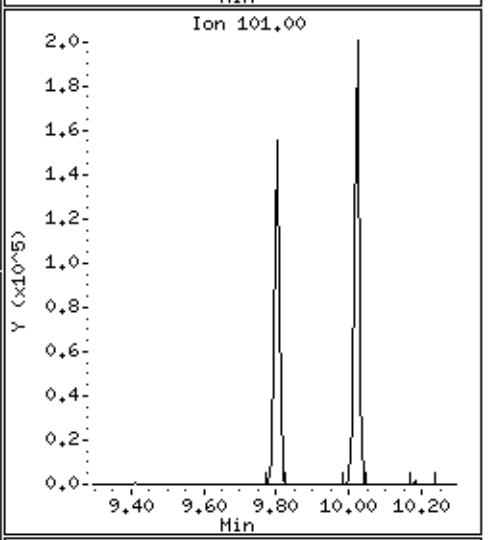
Column diameter: 0.25

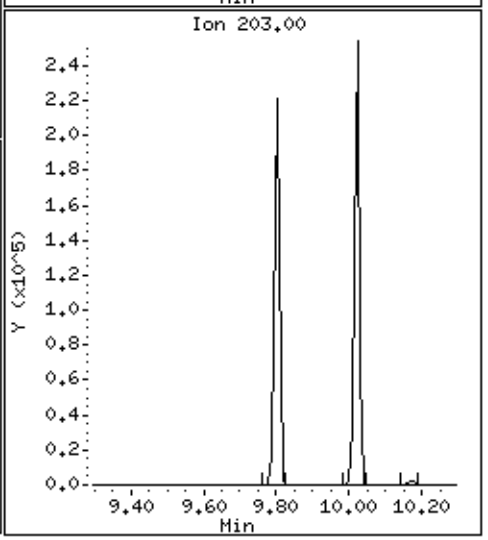
109 Fluoranthene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

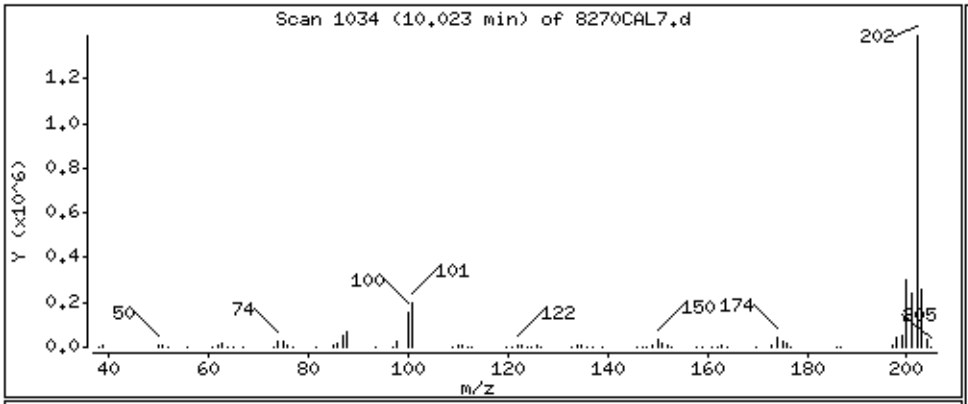
Sample Info: 47763

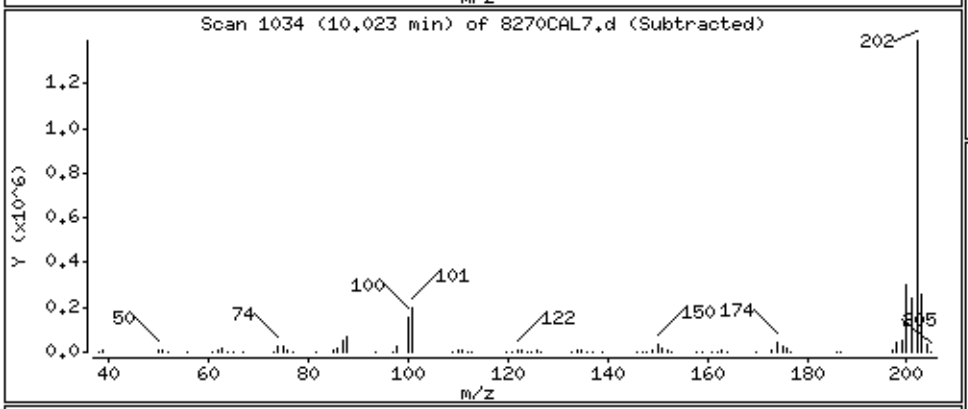
Operator: MJ

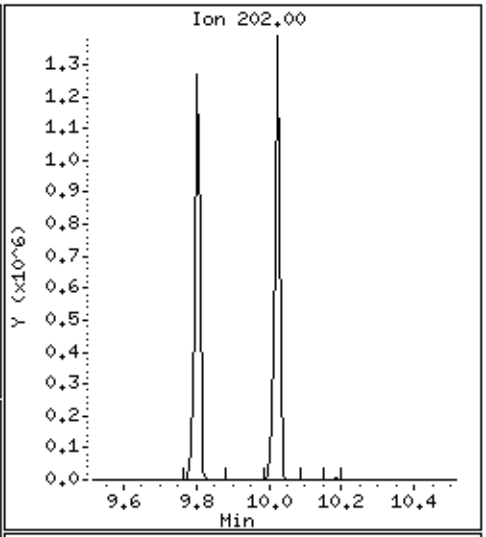
Column phase: HPMS-5

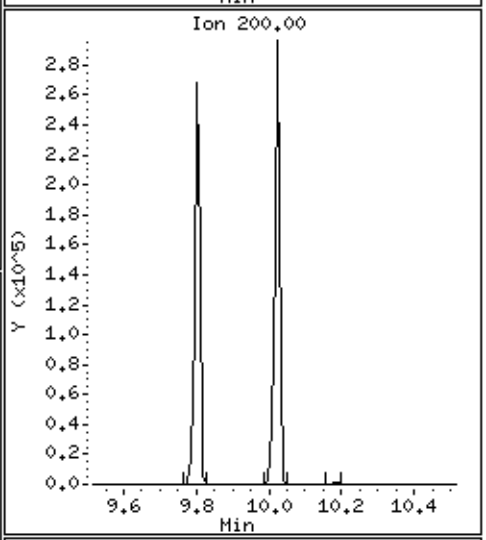
Column diameter: 0.25

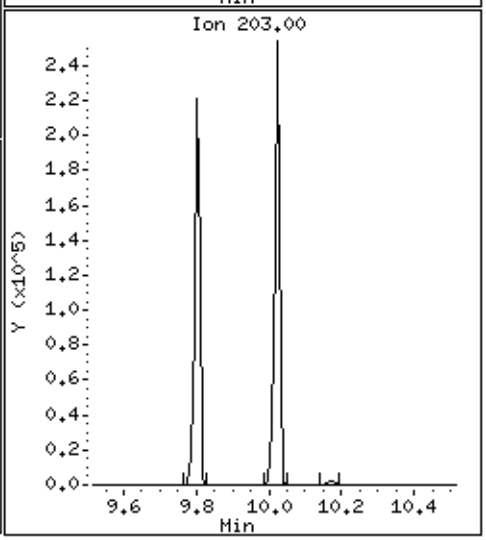
111 Pyrene











Date : 14-NOV-2012 22:40

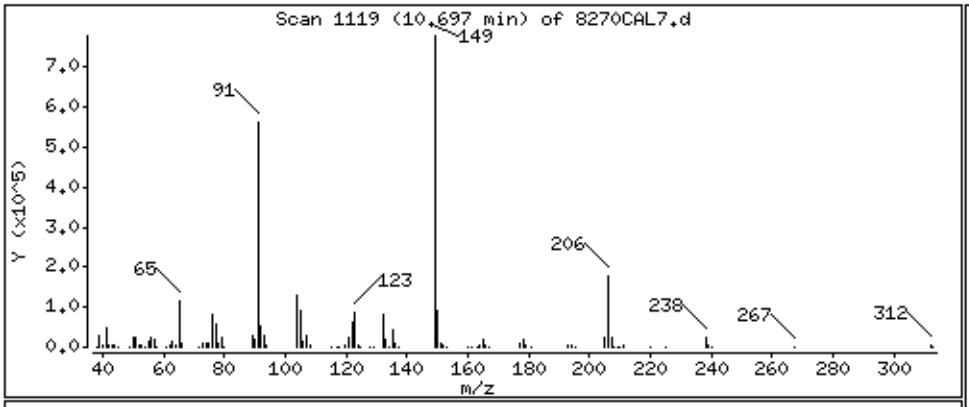
Client ID: 8270CAL7 Instrument: smsd04.i

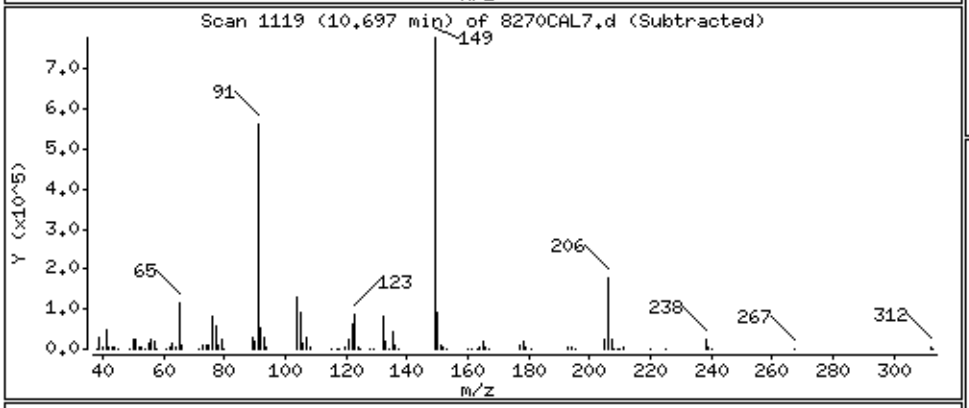
Sample Info: 47763

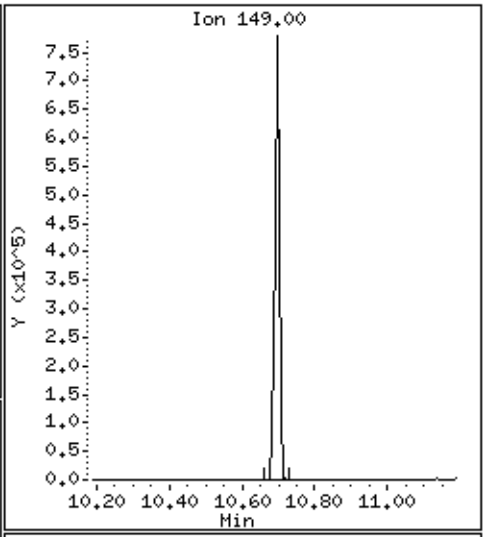
Operator: MJ

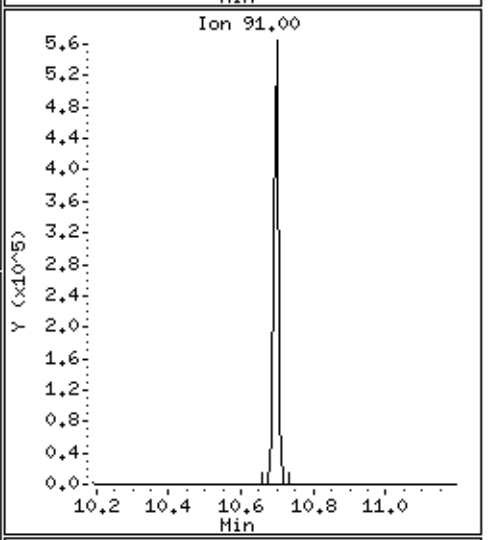
Column phase: HPMS-5 Column diameter: 0.25

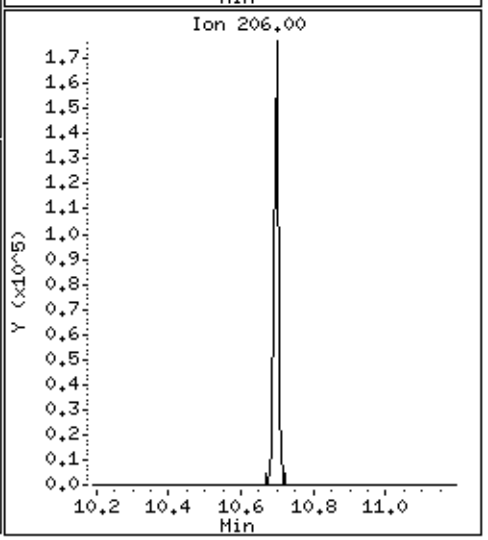
118 Butylbenzylphthalate











Date : 14-NOV-2012 22:40

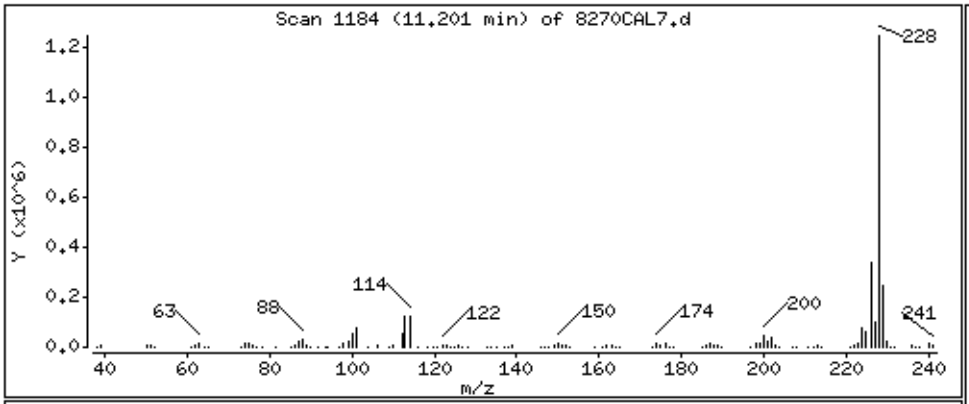
Client ID: 8270CAL7 Instrument: smsd04.i

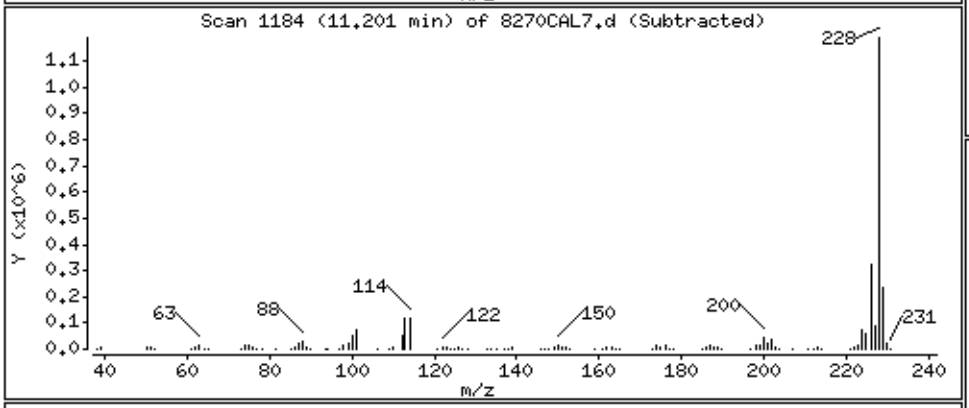
Sample Info: 47763

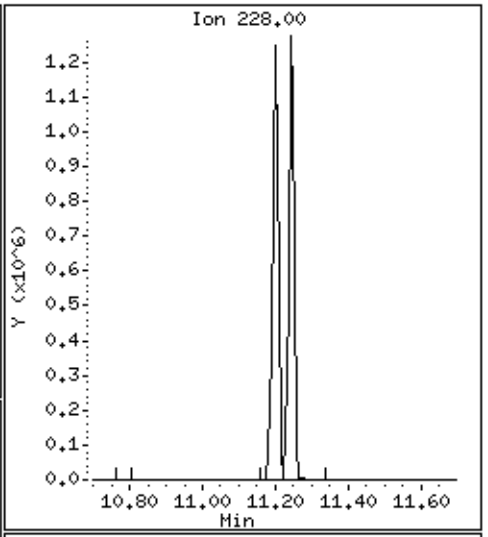
Operator: MJ

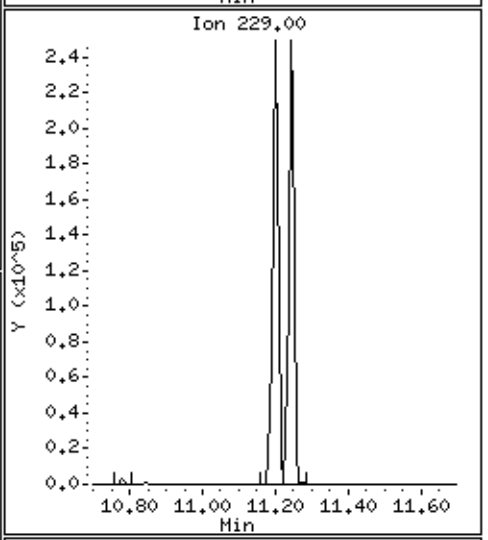
Column phase: HPMS-5 Column diameter: 0.25

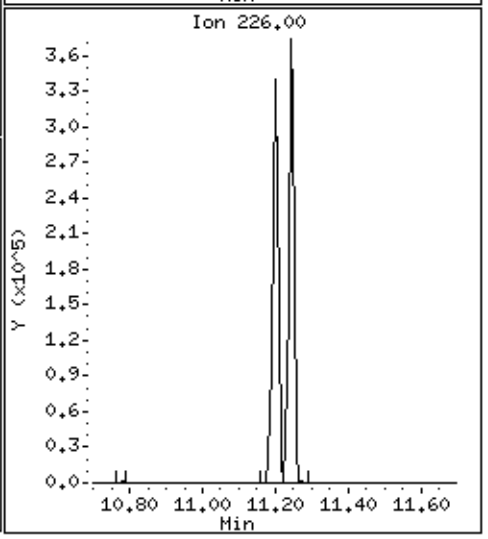
120 Benzo[a]anthracene











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

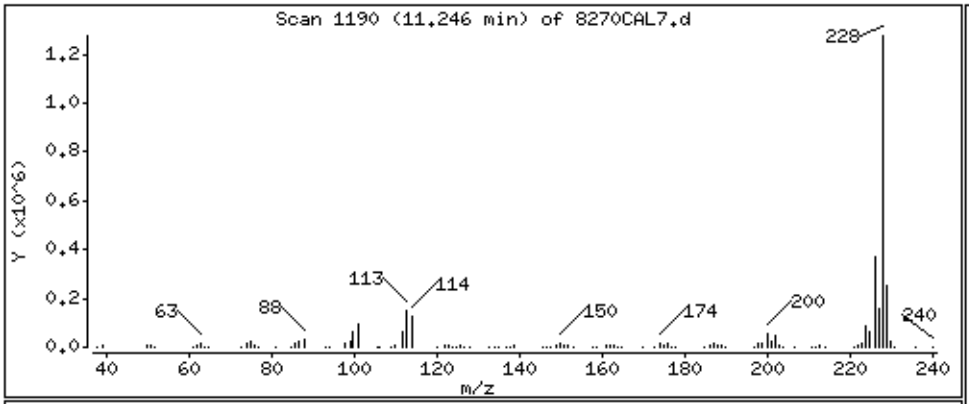
Sample Info: 47763

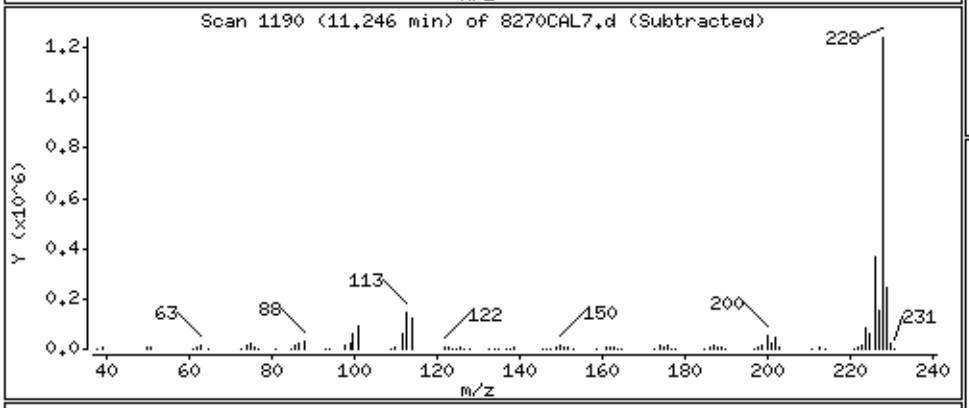
Operator: MJ

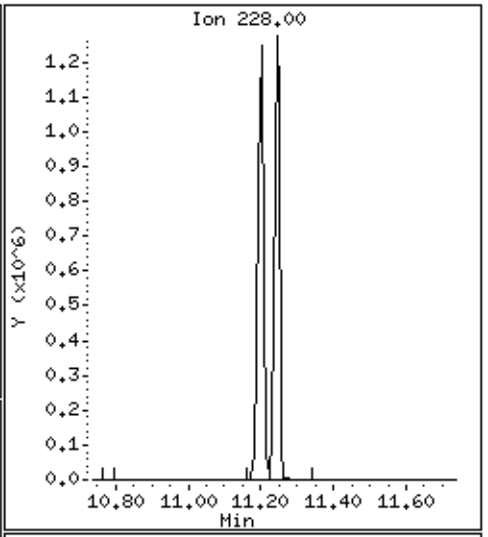
Column phase: HPMS-5

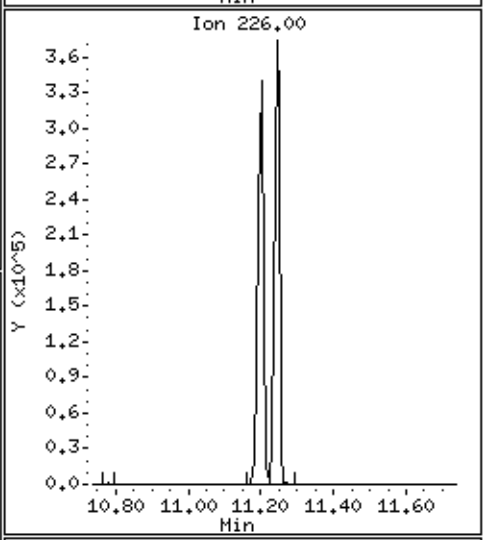
Column diameter: 0.25

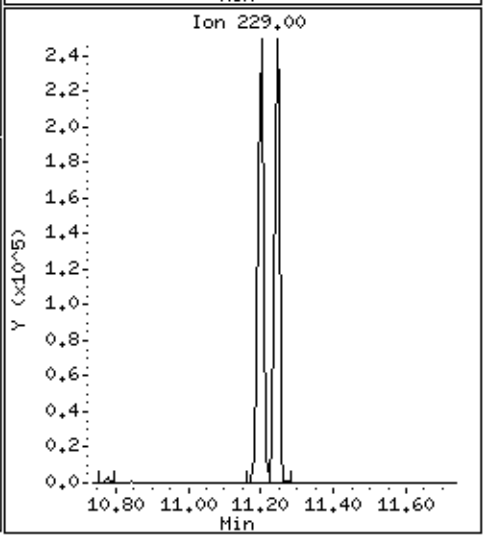
123 Chrysene











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

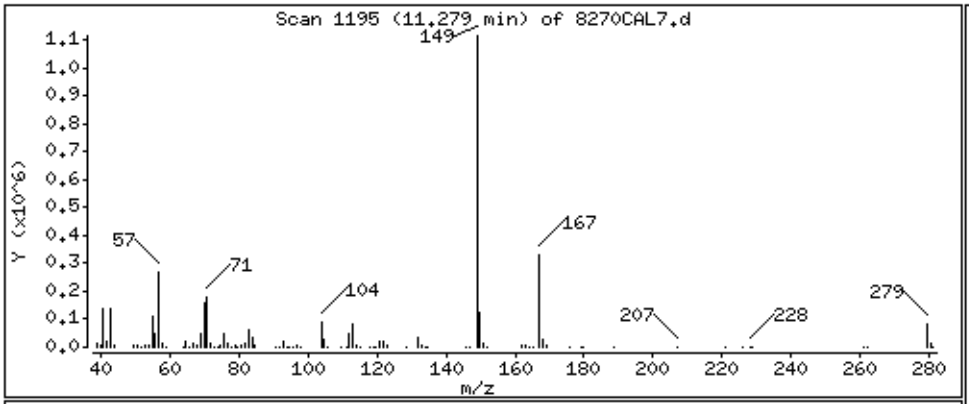
Client ID: 8270CAL7 Instrument: smsd04.i

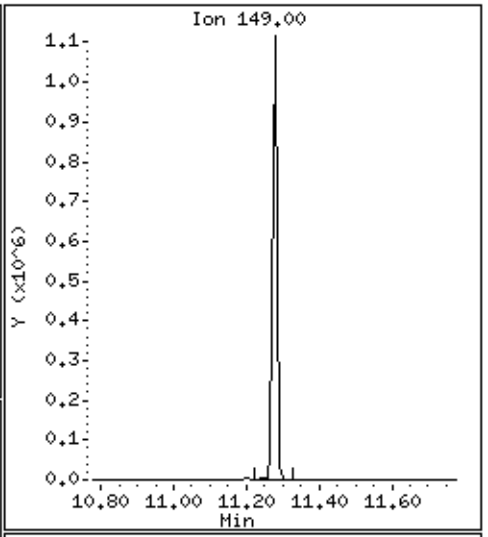
Sample Info: 47763

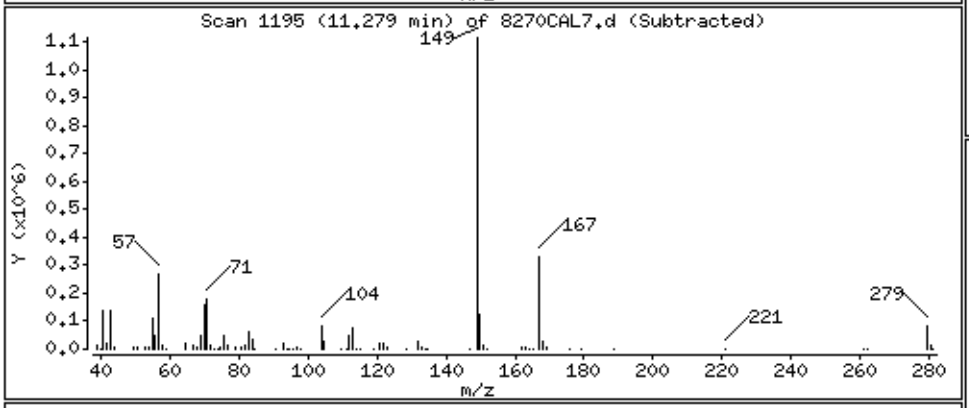
Operator: MJ

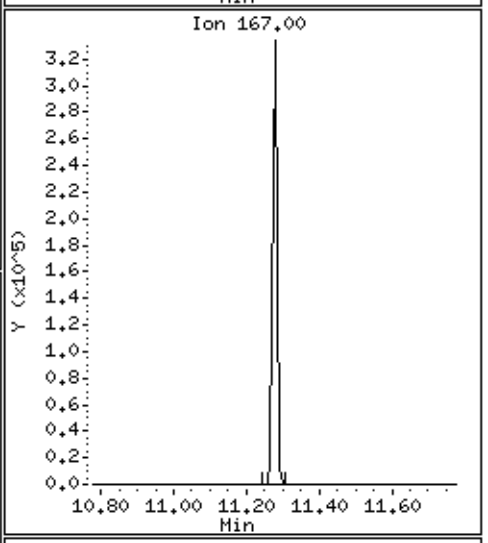
Column phase: HPMS-5 Column diameter: 0.25

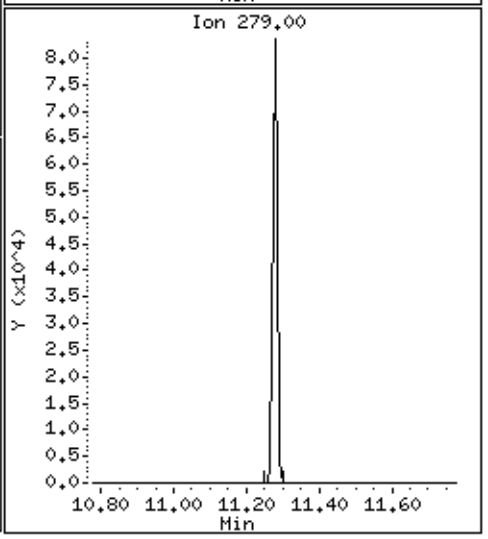
124 Bis-2-Ethylhexylphthalate











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

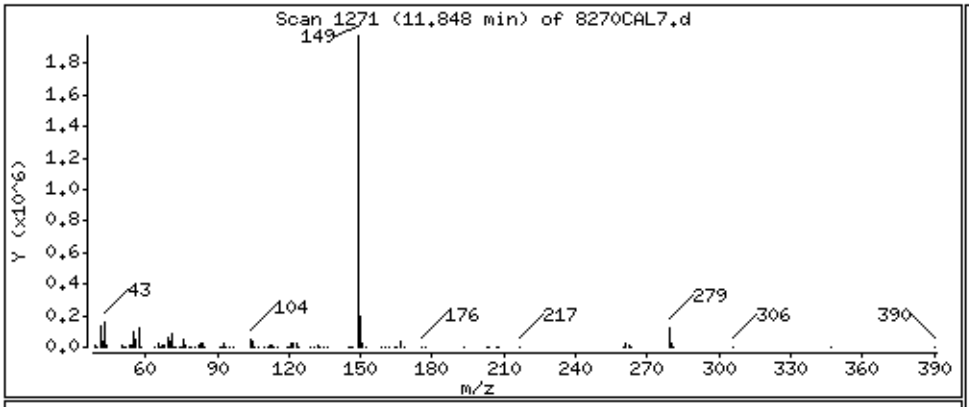
Sample Info: 47763

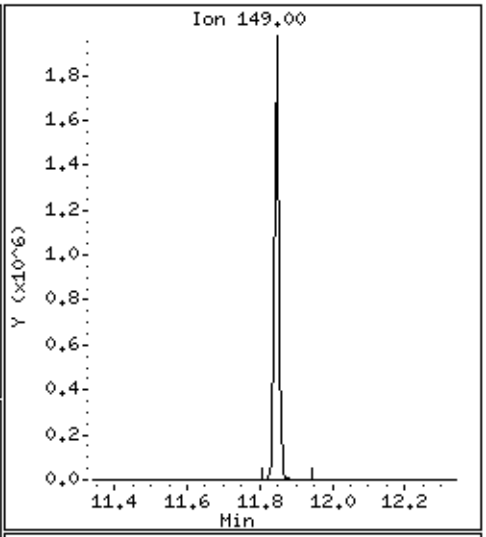
Operator: MJ

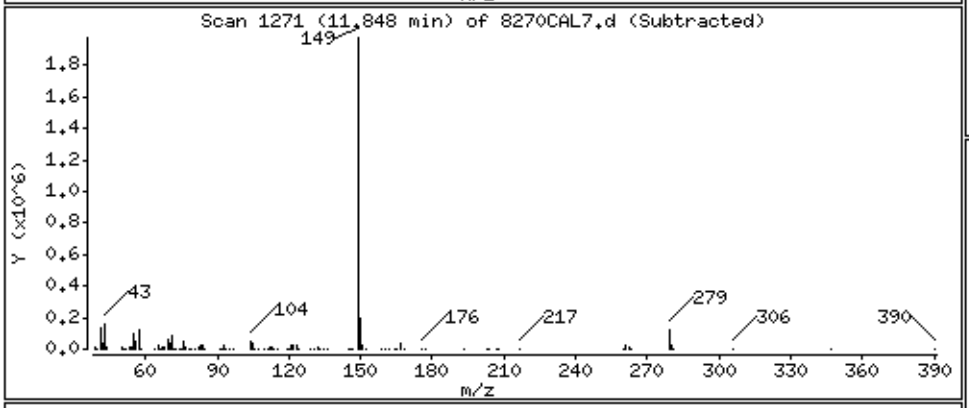
Column phase: HPMS-5

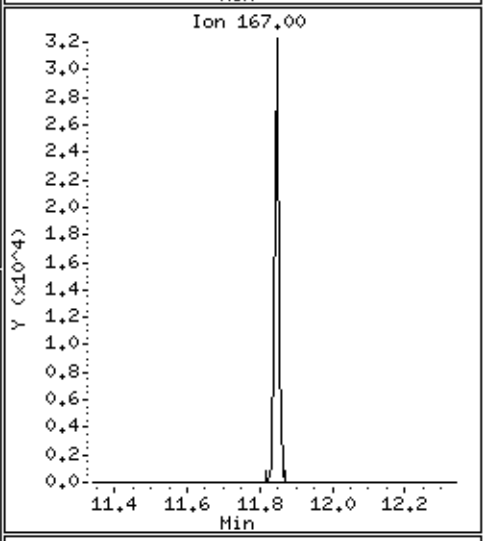
Column diameter: 0.25

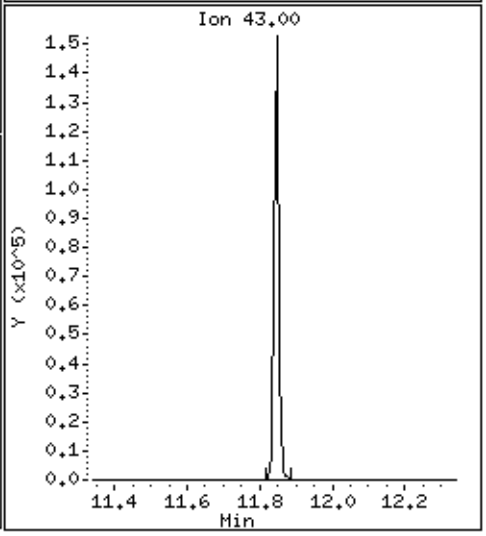
125 Di-n-octylphthalate











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

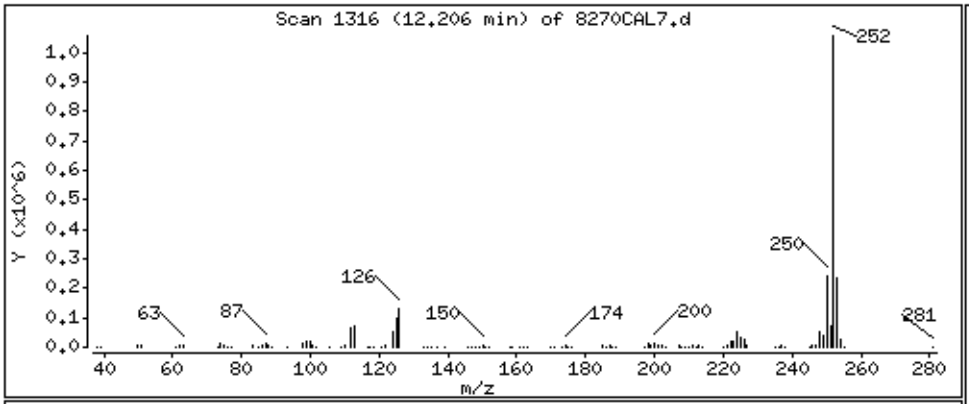
Sample Info: 47763

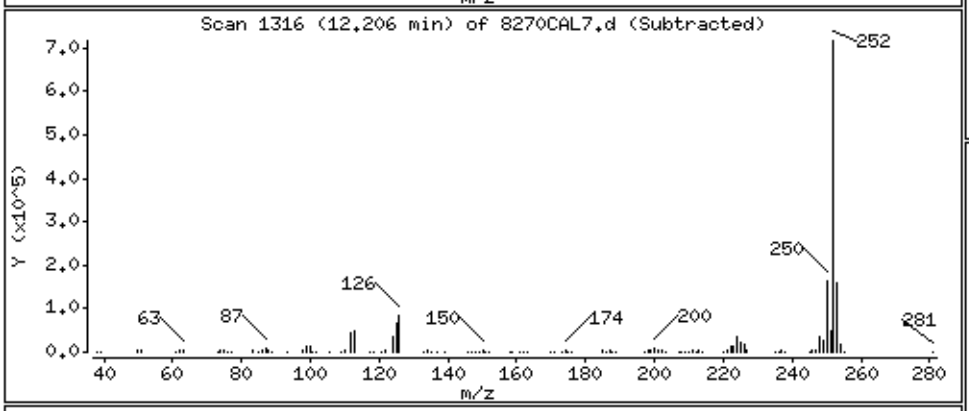
Operator: MJ

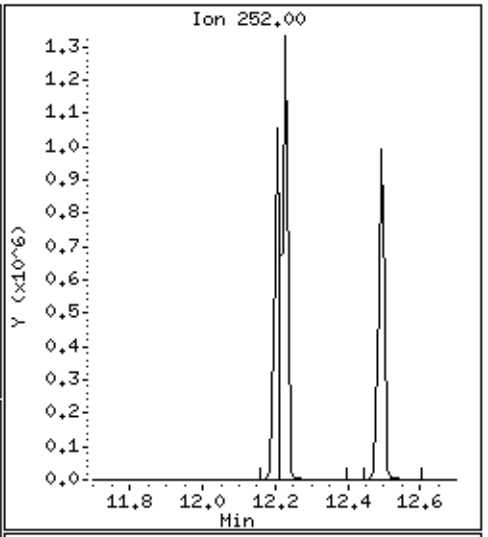
Column phase: HPMS-5

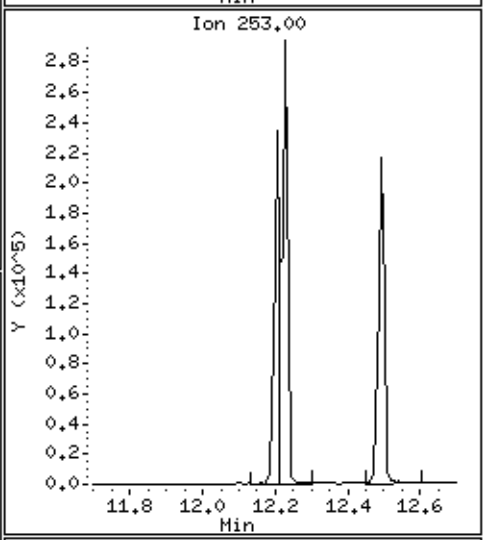
Column diameter: 0.25

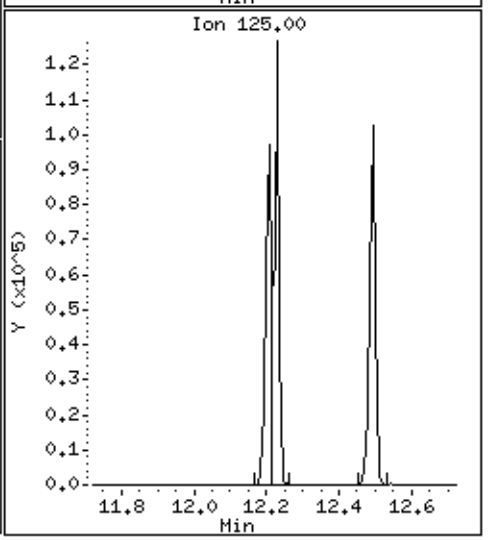
127 Benzo[b]fluoranthene











Date : 14-NOV-2012 22:40

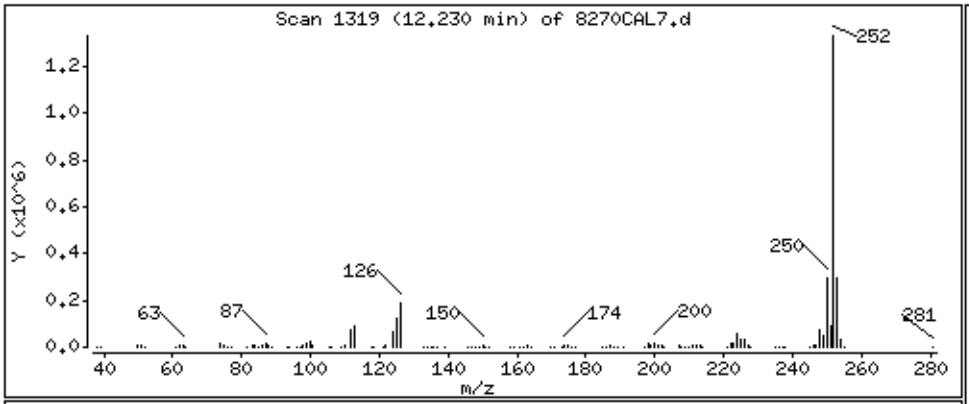
Client ID: 8270CAL7 Instrument: smsd04.i

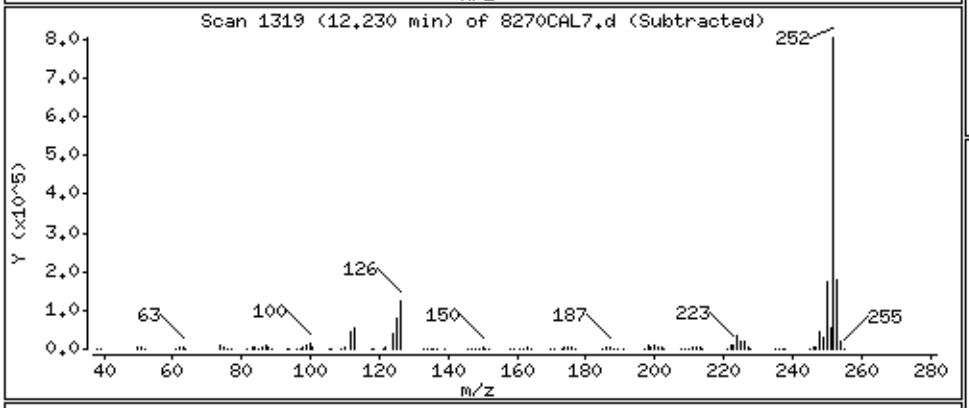
Sample Info: 47763

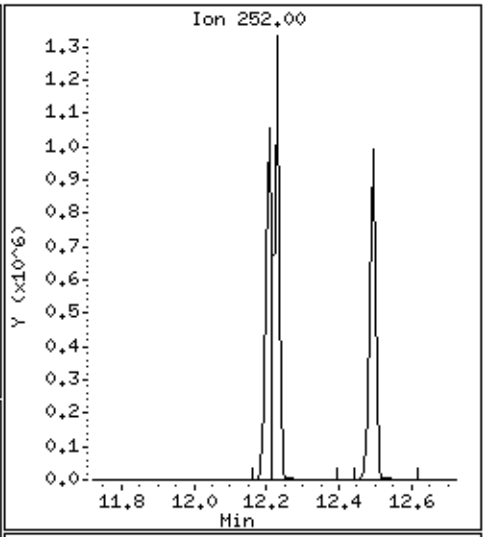
Operator: MJ

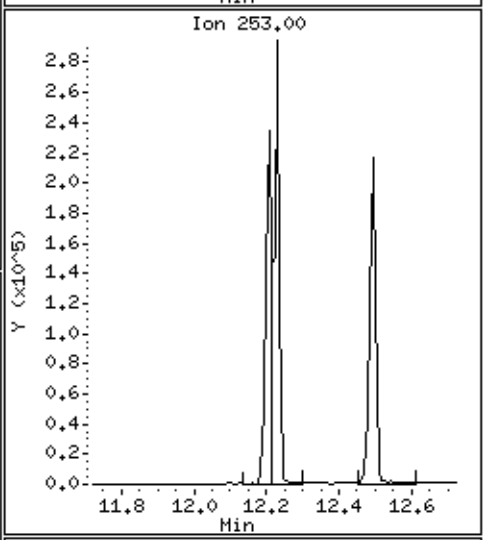
Column phase: HPMS-5 Column diameter: 0.25

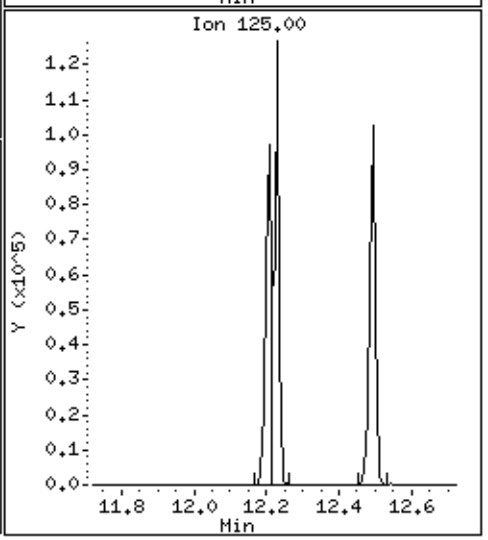
128 Benzo[k]fluoranthene











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL7.d

Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

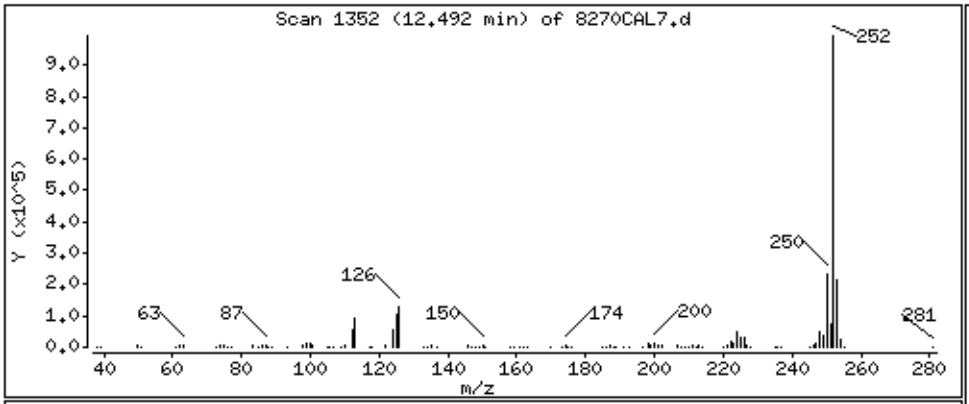
Sample Info: 47763

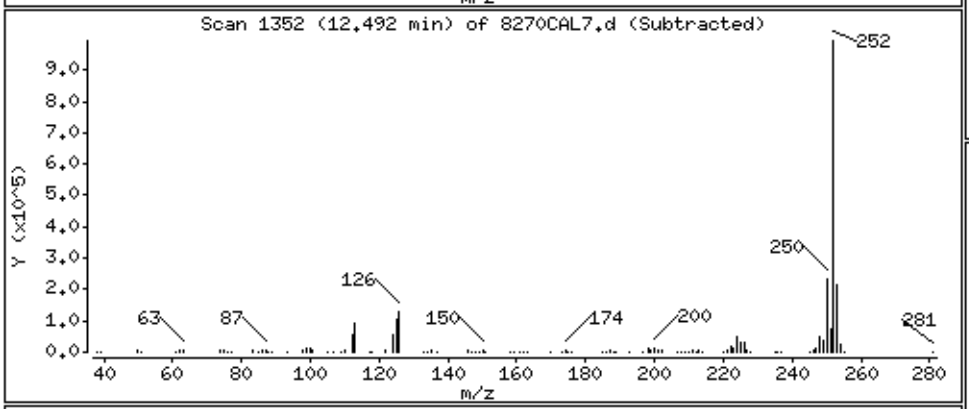
Operator: MJ

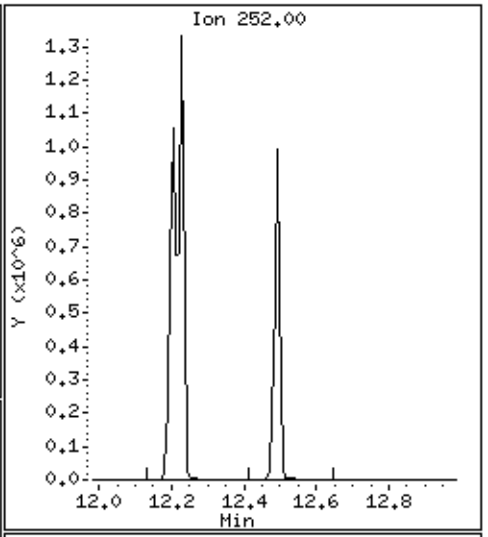
Column phase: HPMS-5

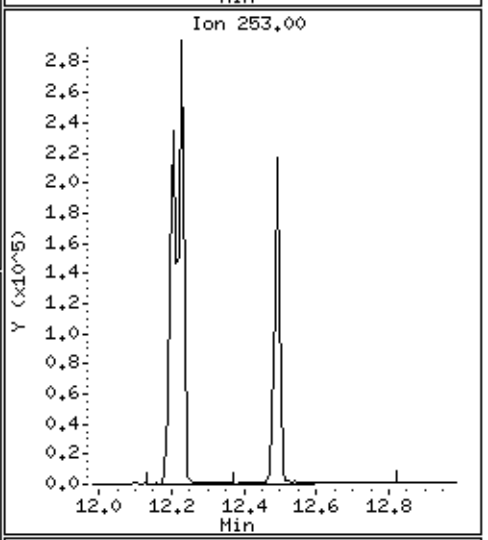
Column diameter: 0.25

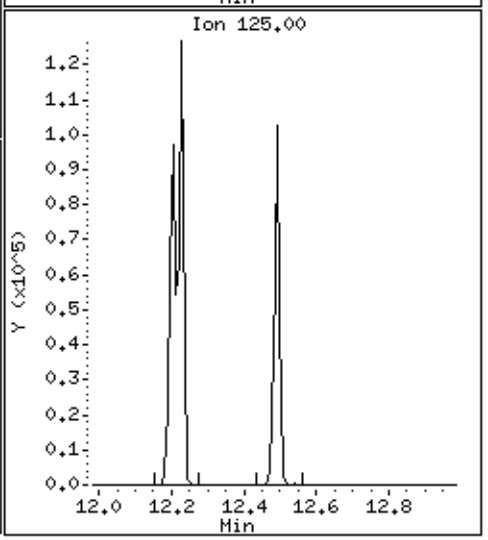
129 Benzo[a]pyrene











Date : 14-NOV-2012 22:40

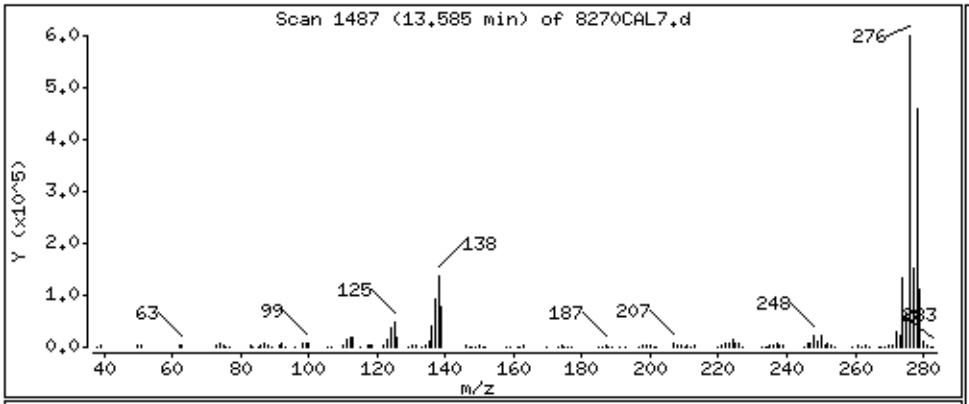
Client ID: 8270CAL7 Instrument: smsd04.i

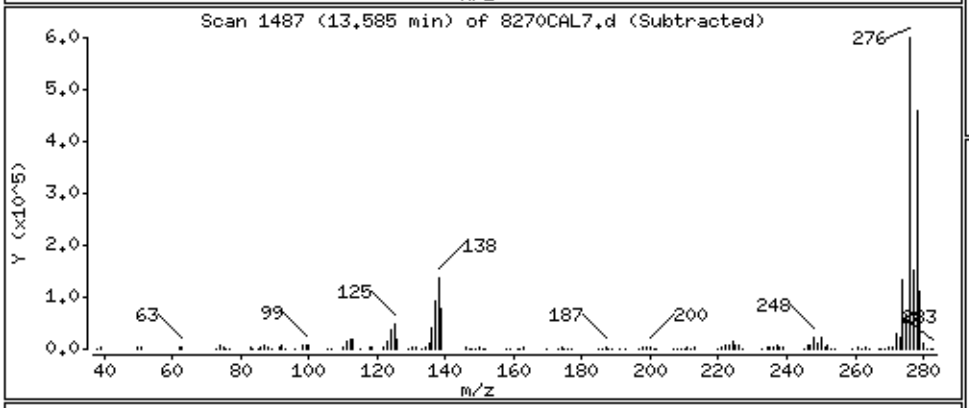
Sample Info: 47763

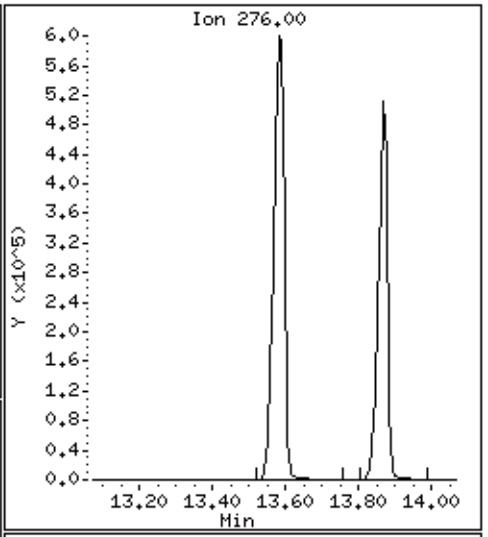
Operator: MJ

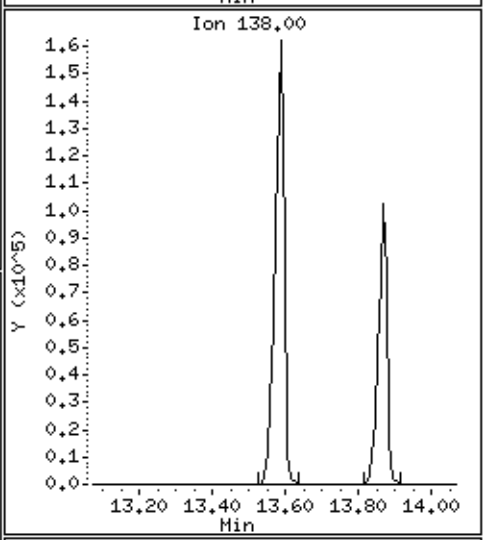
Column phase: HPMS-5 Column diameter: 0.25

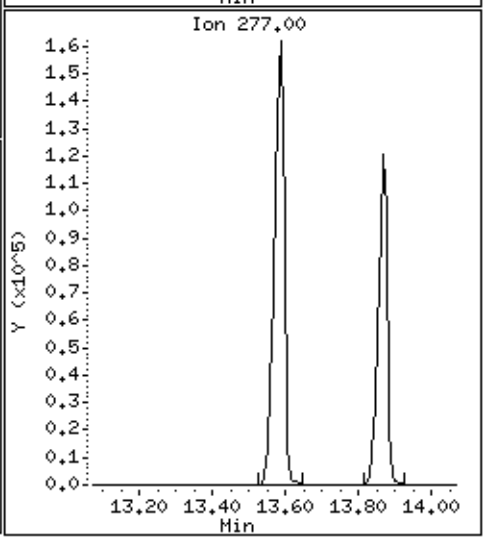
133 Indeno[1,2,3-cd]pyrene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

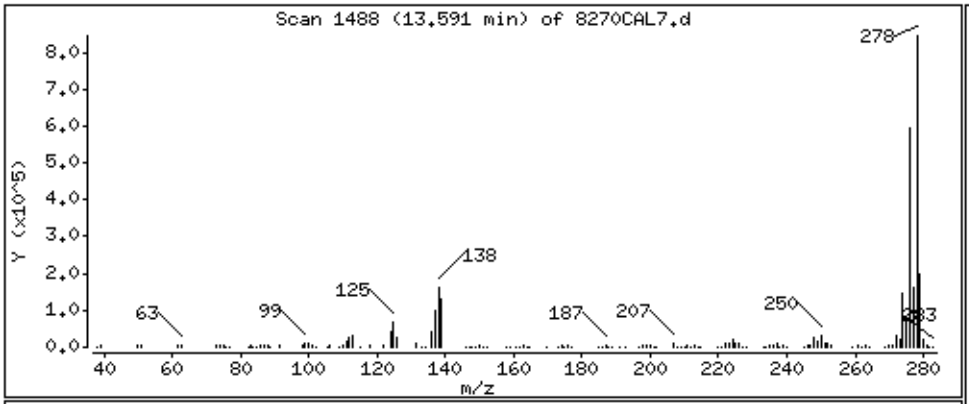
Sample Info: 47763

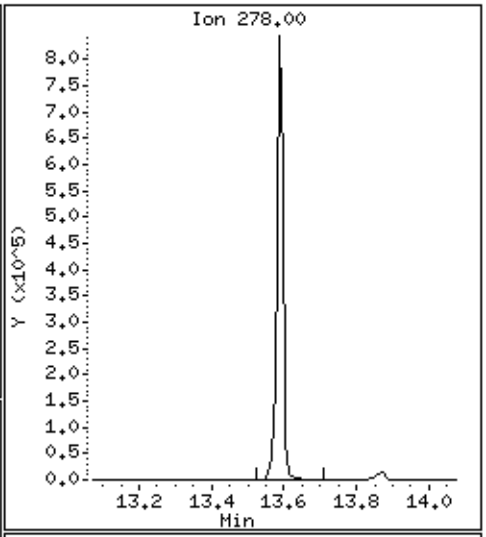
Operator: MJ

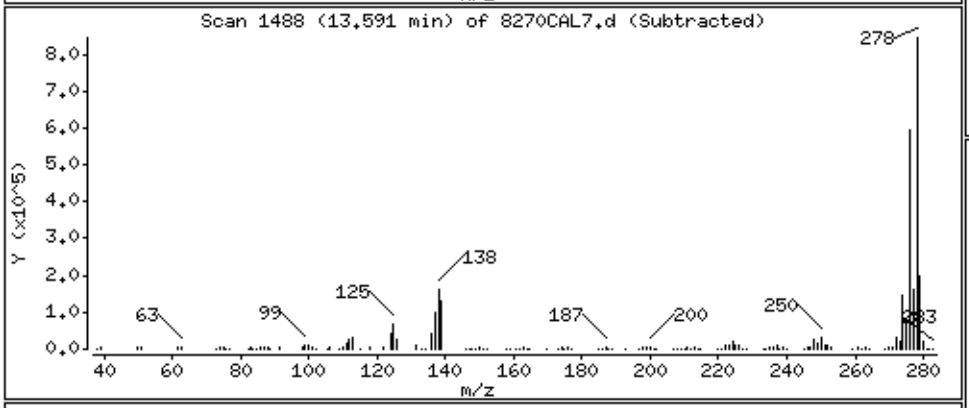
Column phase: HPMS-5

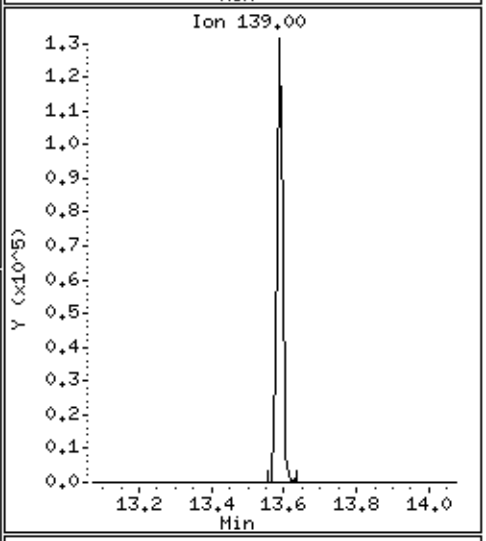
Column diameter: 0.25

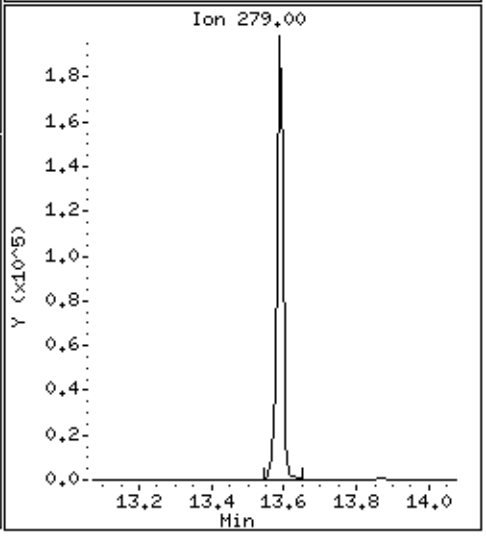
134 Dibenz[a,h]anthracene











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Date : 14-NOV-2012 22:40

Client ID: 8270CAL7

Instrument: smsd04.i

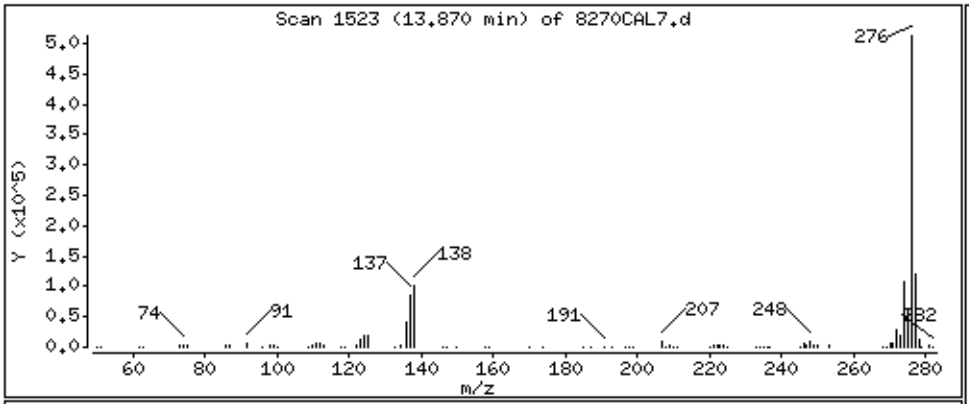
Sample Info: 47763

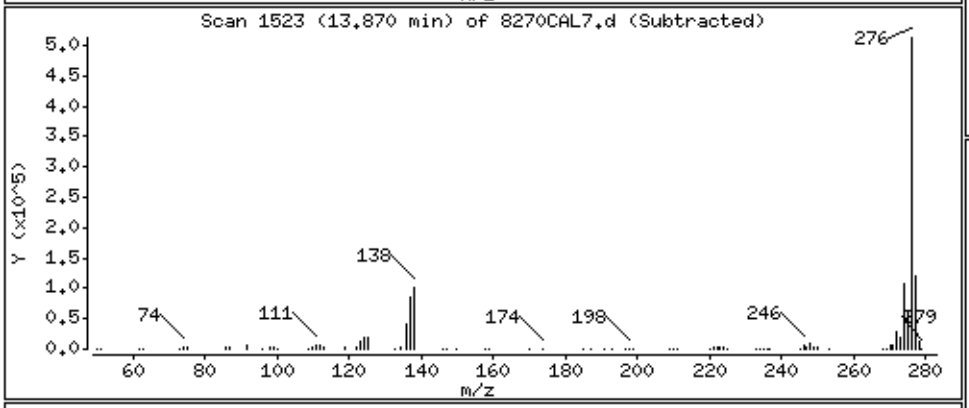
Operator: MJ

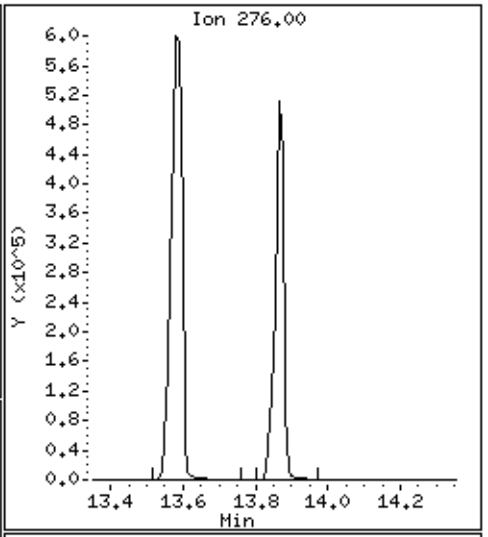
Column phase: HPMS-5

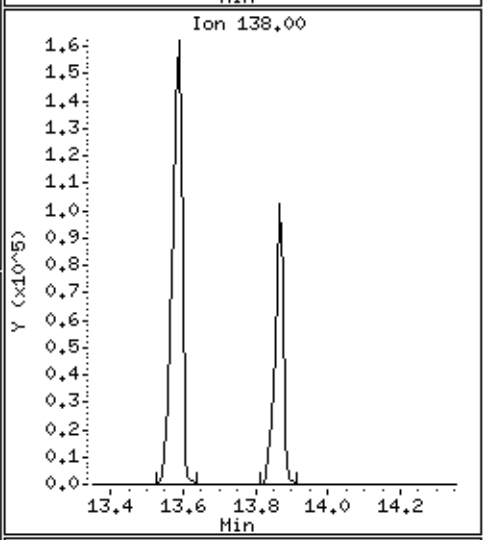
Column diameter: 0.25

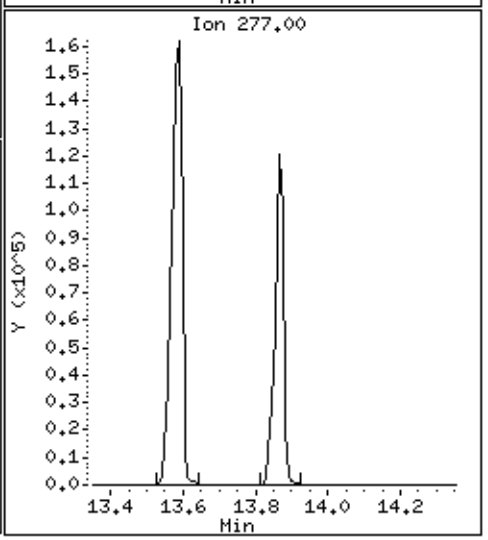
135 Benzo[g,h,i]perylene











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d
Lab Smp Id: 47764 Client Smp ID: 8270CAL6
Inj Date : 14-NOV-2012 23:01 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47764
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 13:38 Cal File: AP9CAL6.d
Als bottle: 22 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	2 Pyridine					CAS #: 110-86-1		
2.228	2.228 (0.519)	79	269379	75.0000		74.7	80.00- 120.00	100.00
2.228	2.228 (0.518)	52	175423				35.30- 95.30	65.12
M	16 Cresols (Total)					CAS #: 1319-77-3		
			470342	150.000				(a)
	1 N-Nitrosodimethylamine					CAS #: 62-75-9		
2.220	2.220 (0.517)	42	118037	75.0000		73.5	80.00- 120.00	100.00
2.221	2.220 (0.517)	74	155101				97.07- 157.07	131.40
2.220	2.221 (0.517)	44	5732				0.00- 34.98	4.86
$	6 2-Fluorophenol (SURR)					CAS #: 367-12-4		
3.248	3.246 (0.756)	112	476379	150.000		145	80.00- 120.00	100.00
3.248	3.246 (0.756)	64	291544				32.62- 92.62	61.20
$	11 Phenol-d5 (SURR)					CAS #: 4165-62-2		
4.011	4.006 (0.933)	99	608518	150.000		145	80.00- 120.00	100.00
4.010	4.006 (0.933)	42	118127				0.00- 49.74	19.41
4.010	4.006 (0.933)	71	255607				12.66- 72.66	42.00

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.022	4.016	(0.936)	94	352046	75.0000	73.5	80.00- 120.00	100.00
4.022	4.016	(0.936)	65	97197			0.94- 60.94	27.61
4.020	4.015	(0.936)	66	166081			21.40- 81.40	47.18
10 Aniline						CAS #: 62-53-3		
4.047	4.046	(0.942)	93	325667	75.0000	76.0	80.00- 120.00	100.00(Q)
4.047	4.046	(0.942)	65	80821			0.00- 50.97	24.82
4.047	4.046	(0.942)	66	154363			12.95- 72.95	47.40
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.095	4.094	(0.953)	93	232110	75.0000	73.5	80.00- 120.00	100.00
4.095	4.093	(0.953)	63	174123			43.04- 103.04	75.02
4.095	4.094	(0.953)	95	75201			1.90- 61.90	32.40
15 2-Chlorophenol						CAS #: 95-57-8		
4.144	4.142	(0.964)	128	229658	75.0000	74.4	80.00- 120.00	100.00
4.143	4.142	(0.964)	64	124527			24.14- 84.14	54.22
4.144	4.142	(0.964)	130	74334			2.15- 62.15	32.37
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.268	4.267	(0.993)	146	274661	75.0000	74.5	80.00- 120.00	100.00
4.268	4.267	(0.993)	148	176883			34.15- 94.15	64.40
4.268	4.267	(0.993)	111	123127			14.34- 74.34	44.83
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.298	4.294	(1.000)	152	96497	40.0000		80.00- 120.00	100.00
4.297	4.294	(1.000)	115	61262			34.81- 94.81	63.49
4.298	4.294	(1.000)	150	182361			126.51- 186.51	188.98
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.311	4.311	(1.003)	146	286697	75.0000	75.2	80.00- 120.00	100.00
4.311	4.311	(1.003)	148	182529			36.10- 96.10	63.67
4.311	4.311	(1.003)	111	125574			14.95- 74.95	43.80
21 Benzyl alcohol						CAS #: 100-51-6		
4.433	4.429	(1.032)	108	155781	75.0000	73.6	80.00- 120.00	100.00
4.433	4.429	(1.031)	79	242735			126.03- 186.03	155.82
4.433	4.429	(1.031)	77	165361			76.75- 136.75	106.15
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.479	4.478	(1.042)	146	262337	75.0000	73.7	80.00- 120.00	100.00
4.479	4.478	(1.042)	148	165290			33.36- 93.36	63.01
4.479	4.478	(1.042)	111	119823			18.07- 78.07	45.68
22 2-Methylphenol						CAS #: 95-48-7		
4.540	4.538	(1.056)	107	187685	75.0000	73.8	80.00- 120.00	100.00
4.540	4.538	(1.056)	108	209591			83.56- 143.56	111.67
4.540	4.538	(1.056)	79	105432			27.79- 87.79	56.17
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.572	4.571	(1.064)	45	292556	75.0000	74.0	80.00- 120.00	100.00
4.572	4.571	(1.064)	77	55393			0.00- 47.34	18.93

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	23 2,2'-oxybis(1-chloropropane) (continued)							
4.572	4.571 (1.064)		121	80204			0.00- 56.71	27.41
	28 4-Methylphenol					CAS #: 106-44-5		
4.674	4.668 (1.088)		107	282657	75.0000	72.8	80.00- 120.00	100.00
4.674	4.668 (1.088)		108	231546			51.88- 111.88	81.92
4.674	4.668 (1.087)		79	77564			0.00- 57.76	27.44
	26 N-Nitrosodinpropylamine					CAS #: 621-64-7		
4.704	4.699 (1.095)		70	199228	75.0000	74.4	80.00- 120.00	100.00
4.704	4.699 (1.095)		42	105062			21.53- 81.53	52.73
4.705	4.699 (1.095)		130	43851			0.00- 51.40	22.01
	30 Hexachloroethane					CAS #: 67-72-1		
4.754	4.753 (1.106)		117	119950	75.0000	75.1	80.00- 120.00	100.00
4.754	4.754 (1.106)		201	113141			63.39- 123.39	94.32
4.754	4.754 (1.106)		199	69820			26.40- 86.40	58.21
$	31 Nitrobenzene-d5 (SURR)					CAS #: 4165-60-0		
4.820	4.818 (0.881)		82	308458	75.0000	73.6	80.00- 120.00	100.00
4.820	4.818 (0.882)		128	114163			6.68- 66.68	37.01
4.820	4.818 (0.881)		54	150559			19.12- 79.12	48.81
	32 Nitrobenzene					CAS #: 98-95-3		
4.837	4.834 (0.885)		77	300256	75.0000	73.5	80.00- 120.00	100.00
4.837	4.835 (0.885)		123	114283			6.73- 66.73	38.06
4.837	4.834 (0.884)		65	44224			0.00- 43.84	14.73
	34 Isophorone					CAS #: 78-59-1		
5.050	5.046 (0.923)		82	523087	75.0000	73.4	80.00- 120.00	100.00
5.050	5.047 (0.924)		138	83018			0.00- 45.91	15.87
5.050	5.046 (0.923)		95	41382			0.00- 37.77	7.91
	35 2-Nitrophenol					CAS #: 88-75-5		
5.129	5.128 (0.938)		139	129470	75.0000	75.1	80.00- 120.00	100.00
5.128	5.127 (0.938)		65	80538			33.65- 93.65	62.21
5.129	5.127 (0.938)		109	55748			13.08- 73.08	43.06
	36 2,4-Dimethylphenol					CAS #: 105-67-9		
5.160	5.158 (0.944)		122	192467	75.0000	75.6	80.00- 120.00	100.00
5.160	5.158 (0.944)		107	252802			100.42- 160.42	131.35
5.160	5.158 (0.944)		121	111388			27.73- 87.73	57.87
	38 Bis(2-Chloroethoxy)methane					CAS #: 111-91-1		
5.254	5.252 (0.961)		93	304622	75.0000	74.1	80.00- 120.00	100.00
5.254	5.252 (0.961)		95	99639			2.66- 62.66	32.71
5.255	5.252 (0.961)		123	44309			0.00- 43.79	14.55
	40 Benzoic Acid					CAS #: 65-85-0		
5.286	5.267 (0.967)		122	136127	75.0000	74.4	80.00- 120.00	100.00
5.285	5.267 (0.966)		105	195497			114.27- 174.27	143.61
5.285	5.267 (0.967)		77	169019			94.81- 154.81	124.16

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.344	5.342 (0.977)		162	218454	75.0000	72.7	80.00- 120.00	100.00
5.344	5.342 (0.977)		164	137977			34.34- 94.34	63.16
5.344	5.342 (0.977)		98	82512			8.30- 68.30	37.77
42 1,2,4-Trichlorobenzene							CAS #: 120-82-1	
5.429	5.427 (0.993)		180	242642	75.0000	73.4	80.00- 120.00	100.00
5.429	5.427 (0.993)		182	228980			69.17- 129.17	94.37
5.428	5.427 (0.993)		145	70884			0.41- 60.41	29.21
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.468	5.463 (1.000)		136	323484	40.0000		80.00- 120.00	100.00
5.468	5.463 (1.000)		68	23757			0.00- 37.51	7.34
44 Naphthalene							CAS #: 91-20-3	
5.487	5.486 (1.003)		128	646281	75.0000	72.7	80.00- 120.00	100.00
5.486	5.485 (1.003)		129	71439			0.00- 40.78	11.05
5.486	5.486 (1.003)		127	85876			0.00- 42.17	13.29
45 4-Chloroaniline							CAS #: 106-47-8	
5.554	5.552 (1.016)		127	267932	75.0000	73.5	80.00- 120.00	100.00
5.554	5.552 (1.016)		129	86689			2.29- 62.29	32.35
5.553	5.551 (1.015)		65	99345			8.57- 68.57	37.08
48 Hexachlorobutadiene							CAS #: 87-68-3	
5.654	5.654 (1.034)		225	170613	75.0000	72.3	80.00- 120.00	100.00
5.654	5.654 (1.034)		223	107082			31.81- 91.81	62.76
5.655	5.654 (1.034)		227	111575			34.78- 94.78	65.40
51 4-Chloro-3-methylphenol							CAS #: 59-50-7	
6.010	6.009 (1.099)		107	231743	75.0000	71.2	80.00- 120.00	100.00
6.010	6.009 (1.099)		144	53894			0.00- 53.54	23.26
6.010	6.009 (1.099)		142	170884			43.91- 103.91	73.74
53 2-Methylnaphthalene							CAS #: 91-57-6	
6.143	6.141 (1.123)		142	444492	75.0000	72.7	80.00- 120.00	100.00
6.143	6.141 (1.123)		141	376675			55.50- 115.50	84.74
54 1-Methylnaphthalene							CAS #: 90-12-0	
6.248	6.247 (1.143)		142	409064	75.0000	72.2	80.00- 120.00	100.00
6.248	6.247 (1.143)		141	363554			58.78- 118.78	88.87
55 Hexachlorocyclopentadiene							CAS #: 77-47-4	
6.360	6.360 (0.887)		237	171226	75.0000	69.6	80.00- 120.00	100.00
6.360	6.360 (0.887)		235	109748			33.42- 93.42	64.10
6.361	6.360 (0.887)		272	21332			0.00- 41.88	12.46
57 2,4,6-Trichlorophenol							CAS #: 88-06-2	
6.439	6.438 (0.898)		196	165711	75.0000	72.6	80.00- 120.00	100.00
6.439	6.438 (0.898)		198	159052			67.54- 127.54	95.98
6.440	6.438 (0.898)		200	51588			1.18- 61.18	31.13
58 2,4,5-Trichlorophenol							CAS #: 95-95-4	
6.474	6.472 (0.903)		196	185946	75.0000	74.2	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
	58 2,4,5-Trichlorophenol (continued)							
6.474	6.472	(0.903)	198	176385			64.33- 124.33	94.86
6.473	6.472	(0.903)	97	103496			27.55- 87.55	55.66
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.517	6.514	(0.909)	172	567350	75.0000	73.7	80.00- 120.00	100.00
6.517	6.514	(0.909)	171	196147			4.90- 64.90	34.57
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.613	6.610	(0.922)	162	463334	75.0000	72.1	80.00- 120.00	100.00
6.613	6.610	(0.922)	164	153352			1.75- 61.75	33.10
6.613	6.610	(0.922)	127	182205			8.71- 68.71	39.32
	63 2-Nitroaniline					CAS #: 88-74-4		
6.742	6.741	(0.940)	65	164545	75.0000	73.2	80.00- 120.00	100.00
6.742	6.741	(0.940)	92	108132			35.13- 95.13	65.72
6.742	6.741	(0.940)	138	149203			59.53- 119.53	90.68
	65 Dimethylphthalate					CAS #: 131-11-3		
6.952	6.950	(0.969)	163	540748	75.0000	73.4	80.00- 120.00	100.00
6.952	6.950	(0.969)	194	33678			0.00- 35.76	6.23
6.952	6.949	(0.969)	164	55801			0.00- 39.66	10.32
	68 Acenaphthylene					CAS #: 208-96-8		
7.022	7.020	(0.979)	152	740696	75.0000	71.8	80.00- 120.00	100.00
7.022	7.020	(0.979)	151	146741			0.00- 50.20	19.81
7.021	7.020	(0.979)	153	98503			0.00- 43.02	13.30
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.018	7.015	(0.979)	165	130233	75.0000	72.7	80.00- 120.00	100.00
7.017	7.015	(0.979)	89	88104			39.45- 99.45	67.65
7.018	7.016	(0.979)	63	133578			74.66- 134.66	102.57
	69 3-Nitroaniline					CAS #: 99-09-2		
7.149	7.146	(0.997)	138	117454	75.0000	71.6	80.00- 120.00	100.00
7.149	7.146	(0.997)	108	18802			0.00- 42.35	16.01
7.149	7.145	(0.997)	92	157303			104.62- 164.62	133.93
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.171	7.167	(1.000)	164	208317	40.0000		80.00- 120.00	100.00
7.171	7.168	(1.000)	162	195324			66.12- 126.12	93.76
7.171	7.167	(1.000)	160	86392			13.21- 73.21	41.47
	71 Acenaphthene					CAS #: 83-32-9		
7.203	7.201	(1.004)	154	420824	75.0000	72.0	80.00- 120.00	100.00
7.203	7.200	(1.004)	153	447763			77.18- 137.18	106.40
7.203	7.200	(1.004)	152	212204			21.21- 81.21	50.43
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.246	7.243	(1.010)	184	77165	75.0000	69.1	80.00- 120.00	100.00
7.245	7.242	(1.010)	63	59972			48.18- 108.18	77.72
7.245	7.242	(1.010)	154	49584			33.05- 93.05	64.26

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.308	7.303 (1.019)		109	108540	75.0000	73.8	80.00- 120.00	100.00
7.308	7.303 (1.019)		139	99732			61.80- 121.80	91.89
7.307	7.303 (1.019)		65	122148			80.41- 140.41	112.54
75 Dibenzofuran						CAS #: 132-64-9		
7.356	7.355 (1.026)		168	646335	75.0000	72.0	80.00- 120.00	100.00
7.356	7.355 (1.026)		139	264228			10.69- 70.69	40.88
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.396	7.392 (1.031)		165	159742	75.0000	71.8	80.00- 120.00	100.00
7.396	7.392 (1.031)		63	83787			23.55- 83.55	52.45
7.396	7.392 (1.031)		89	132417			51.82- 111.82	82.89
80 Diethylphthalate						CAS #: 84-66-2		
7.643	7.640 (1.066)		149	536823	75.0000	71.4	80.00- 120.00	100.00
7.643	7.640 (1.066)		177	116162			0.00- 51.79	21.64
7.643	7.640 (1.066)		150	65240			0.00- 42.28	12.15
81 Fluorene						CAS #: 86-73-7		
7.693	7.690 (1.073)		166	583978	75.0000	71.1	80.00- 120.00	100.00
7.693	7.690 (1.073)		165	537143			61.04- 121.04	91.98
7.693	7.690 (1.073)		167	78701			0.00- 43.06	13.48
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.692	7.690 (1.073)		204	304737	75.0000	70.1	80.00- 120.00	100.00
7.692	7.690 (1.073)		206	101691			2.85- 62.85	33.37
7.691	7.690 (1.073)		141	181782			29.43- 89.43	59.65
84 4-Nitroaniline						CAS #: 100-01-6		
7.755	7.750 (1.081)		138	109875	75.0000	73.5	80.00- 120.00	100.00
7.755	7.749 (1.081)		92	65406			30.30- 90.30	59.53
7.755	7.749 (1.081)		108	126783			85.44- 145.44	115.39
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.796	7.790 (0.906)		198	112950	75.0000	73.8	80.00- 120.00	100.00
7.795	7.789 (0.906)		51	39492			21.07- 81.07	34.96
7.795	7.789 (0.906)		105	50421			14.43- 74.43	44.64
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.818	7.814 (0.909)		169	350398	75.0000	73.4	80.00- 120.00	100.00
7.818	7.815 (0.909)		168	246628			41.33- 101.33	70.39
7.818	7.815 (0.909)		167	120202			5.93- 65.93	34.30
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.847	7.845 (1.094)		77	594395	75.0000	65.3	80.00- 120.00	100.00
7.847	7.845 (1.094)		105	84666			0.00- 44.08	14.24
7.848	7.845 (1.094)		182	141961			0.00- 53.69	23.88
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.949	7.946 (1.109)		330	204996	150.000	139	80.00- 120.00	100.00
7.949	7.946 (1.109)		332	195786			65.21- 125.21	95.51
7.948	7.945 (1.108)		141	80641			10.78- 70.78	39.34

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		
8.166	8.163	(0.949)	248	172878	75.0000	72.6	80.00- 120.00	100.00
8.166	8.163	(0.949)	250	168075			66.63- 126.63	97.22
8.165	8.162	(0.949)	141	132634			49.24- 109.24	76.72
94 Hexachlorobenzene						CAS #: 118-74-1		
8.310	8.307	(0.966)	284	197448	75.0000	73.6	80.00- 120.00	100.00
8.309	8.307	(0.966)	142	74318			10.52- 70.52	37.64
8.310	8.307	(0.966)	249	61792			1.60- 61.60	31.30
96 Pentachlorophenol						CAS #: 87-86-5		
8.482	8.480	(0.986)	266	125967	75.0000	71.8	80.00- 120.00	100.00
8.482	8.481	(0.986)	264	79573			33.54- 93.54	63.17
8.482	8.481	(0.986)	268	81060			34.39- 94.39	64.35
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.605	8.604	(1.000)	188	359391	40.0000		80.00- 120.00	100.00
8.604	8.604	(1.000)	94	38085			0.00- 40.39	10.60
8.604	8.603	(1.000)	80	41198			0.00- 41.55	11.46
101 Phenanthrene						CAS #: 85-01-8		
8.628	8.626	(1.003)	178	758944	75.0000	74.2	80.00- 120.00	100.00
8.628	8.626	(1.003)	179	116636			0.00- 45.20	15.37
8.628	8.626	(1.003)	176	145317			0.00- 48.69	19.15
103 Anthracene						CAS #: 120-12-7		
8.672	8.670	(1.008)	178	678656	75.0000	73.9	80.00- 120.00	100.00
8.671	8.670	(1.008)	179	102962			0.00- 45.53	15.17
8.672	8.670	(1.008)	176	125760			0.00- 49.11	18.53
104 Carbazole						CAS #: 86-74-8		
8.832	8.830	(1.026)	167	673770	75.0000	75.0	80.00- 120.00	100.00
8.832	8.830	(1.026)	139	90803			0.00- 43.72	13.48
8.831	8.830	(1.026)	83	63655			0.00- 39.70	9.45
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.229	9.227	(1.073)	149	929069	75.0000	74.9	80.00- 120.00	100.00
9.229	9.227	(1.073)	150	85012			0.00- 39.16	9.15
9.229	9.227	(1.073)	104	58964			0.00- 36.36	6.35
109 Fluoranthene						CAS #: 206-44-0		
9.800	9.797	(1.139)	202	844353	75.0000	75.2	80.00- 120.00	100.00
9.799	9.796	(1.139)	101	97585			0.00- 41.60	11.56
9.800	9.797	(1.139)	203	146076			0.00- 47.37	17.30
111 Pyrene						CAS #: 129-00-0		
10.018	10.016	(0.893)	202	848115	75.0000	74.4	80.00- 120.00	100.00
10.018	10.016	(0.893)	200	173819			0.00- 50.33	20.49
10.018	10.016	(0.893)	203	149464			0.00- 47.92	17.62
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.181	10.179	(0.908)	244	673605	75.0000	73.1	80.00- 120.00	100.00
10.181	10.178	(0.908)	122	70888			0.00- 40.67	10.52

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.181	10.179	(0.908)	212	51691			0.00- 37.92	7.67
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.694	10.690	(0.954)	149	425565	75.0000	72.5	80.00- 120.00	100.00
10.693	10.691	(0.953)	91	323905			45.72- 105.72	76.11
10.694	10.692	(0.954)	206	94735			0.00- 51.71	22.26
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.197	11.194	(0.998)	228	856824	75.0000	72.8	80.00- 120.00	100.00
11.197	11.194	(0.998)	229	170029			0.00- 49.13	19.84
11.197	11.194	(0.998)	226	229457			0.00- 57.06	26.78
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.215	11.211	(1.000)	240	421161	40.0000		80.00- 120.00	100.00
11.214	11.210	(1.000)	120	43199			0.00- 40.02	10.26
11.215	11.210	(1.000)	236	105534			0.00- 54.50	25.06
123 Chrysene						CAS #: 218-01-9		
11.241	11.238	(1.002)	228	834852	75.0000	72.4	80.00- 120.00	100.00
11.241	11.238	(1.002)	226	247028			0.00- 59.08	29.59
11.241	11.238	(1.002)	229	166006			0.00- 49.34	19.88
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.276	11.275	(1.005)	149	592581	75.0000	72.6	80.00- 120.00	100.00
11.277	11.276	(1.005)	167	176720			0.00- 59.84	29.82
11.277	11.276	(1.006)	279	44522			0.00- 37.67	7.51
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.845	11.842	(0.945)	149	1025786	75.0000	67.6	80.00- 120.00	100.00
11.845	11.843	(0.945)	167	15606			0.00- 31.49	1.52
11.844	11.842	(0.945)	43	89099			0.00- 38.92	8.69
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.201	12.198	(0.974)	252	827508	75.0000	81.8	80.00- 120.00	100.00
12.201	12.198	(0.974)	253	183050			0.00- 52.25	22.12
12.200	12.219	(0.973)	125	78523			0.00- 48.56	9.49
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.223	12.220	(0.975)	252	831578	75.0000	63.0	80.00- 120.00	100.00
12.223	12.220	(0.975)	253	182676			0.00- 52.11	21.97
12.222	12.219	(0.975)	125	69863			0.00- 46.79	8.40
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.485	12.484	(0.996)	252	759409	75.0000	71.7	80.00- 120.00	100.00
12.485	12.484	(0.996)	253	181288			0.00- 51.58	23.87
12.485	12.484	(0.996)	125	71968			0.00- 39.66	9.48
* 130 Perylene-d12						CAS #: 1520-96-3		
12.533	12.532	(1.000)	264	368725	40.0000		80.00- 120.00	100.00
12.533	12.533	(1.000)	260	82472			0.00- 52.70	22.37
12.533	12.532	(1.000)	265	79224			0.00- 52.11	21.49

					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		
13.576	13.569	(1.083)	276	857963	75.0000	74.6	80.00- 120.00	100.00
13.578	13.570	(1.083)	138	194240			0.00- 53.00	22.64
13.576	13.570	(1.083)	277	223603			0.00- 55.19	26.06
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.581	13.574	(1.084)	278	730174	75.0000	72.9	80.00- 120.00	100.00
13.580	13.573	(1.084)	139	108963			0.00- 45.33	14.92
13.581	13.574	(1.084)	279	170891			0.00- 53.44	23.40
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.860	13.852	(1.106)	276	661351	75.0000	79.7	80.00- 120.00	100.00
13.859	13.852	(1.106)	138	124692			0.00- 48.86	18.85
13.860	13.852	(1.106)	277	153744			0.00- 53.33	23.25

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

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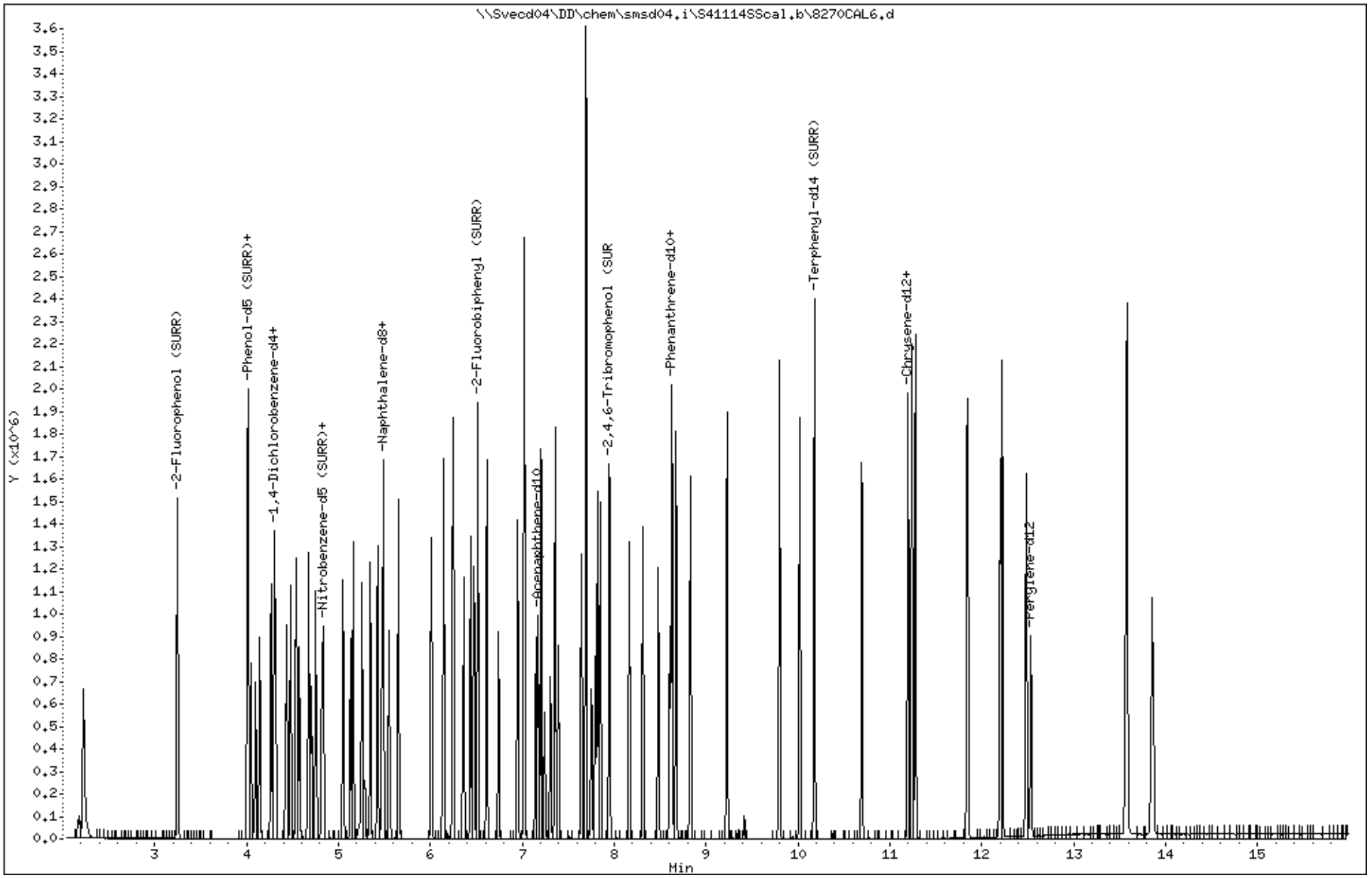
Client ID: 8270CAL6
Sample Info: 47764

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

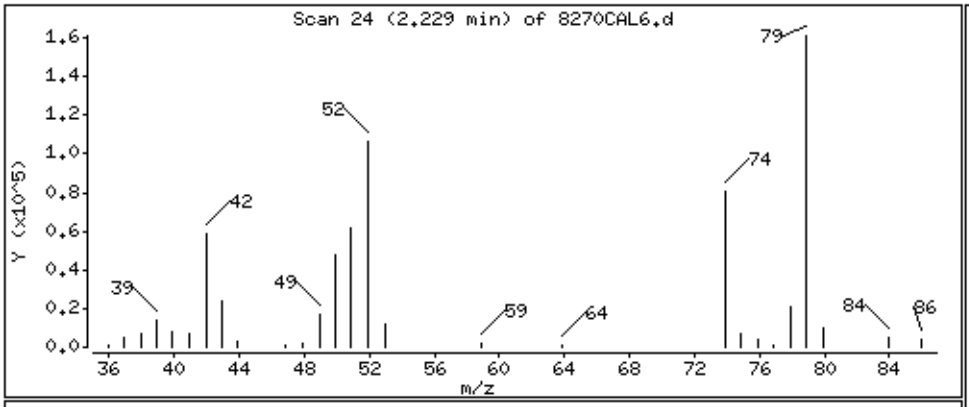
Operator: MJ

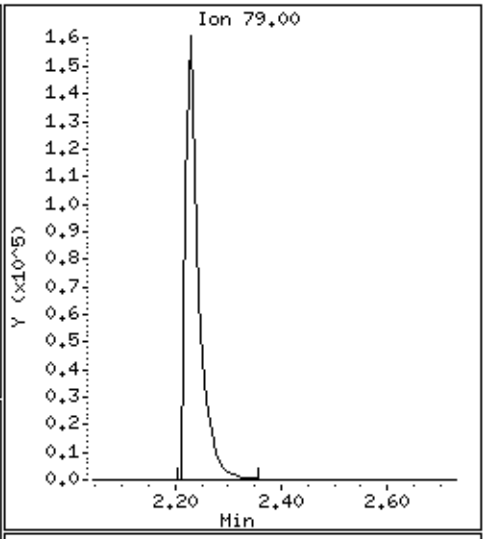
Column phase: HPMS-5

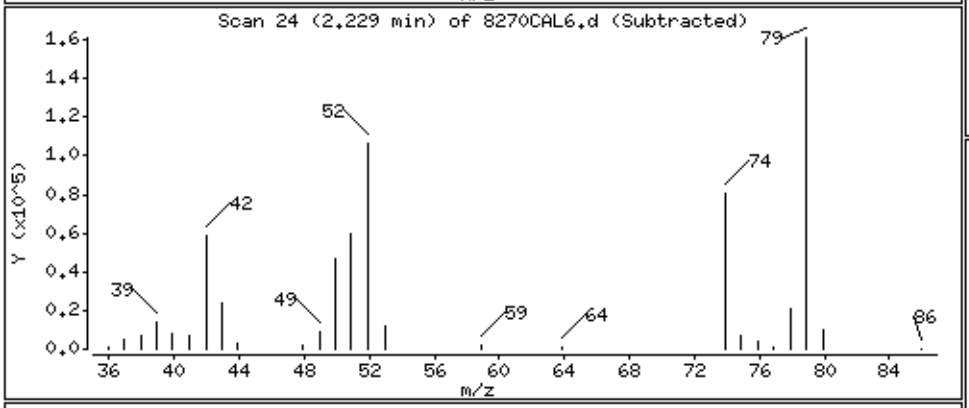
Column diameter: 0.25

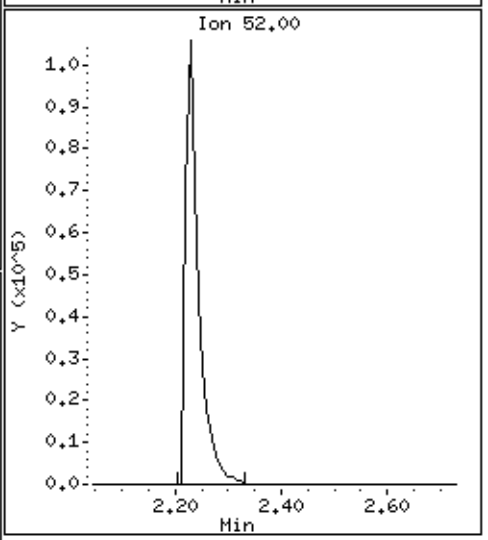
2 Pyridine

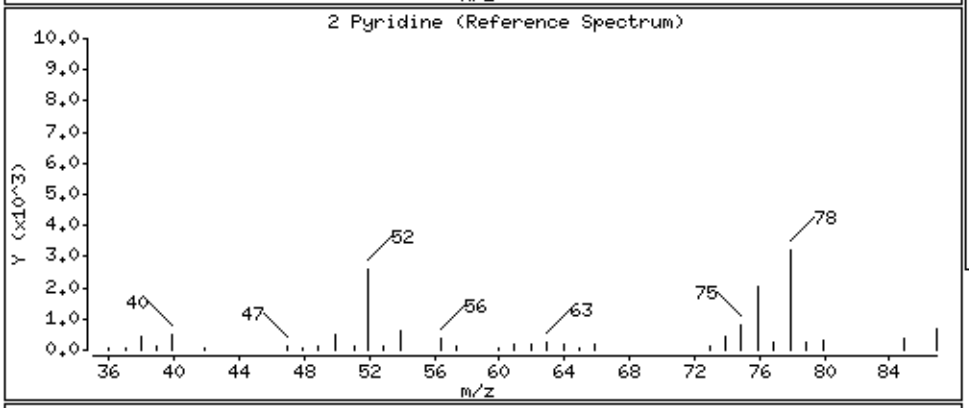
Concentration: 74.7 ug/kg

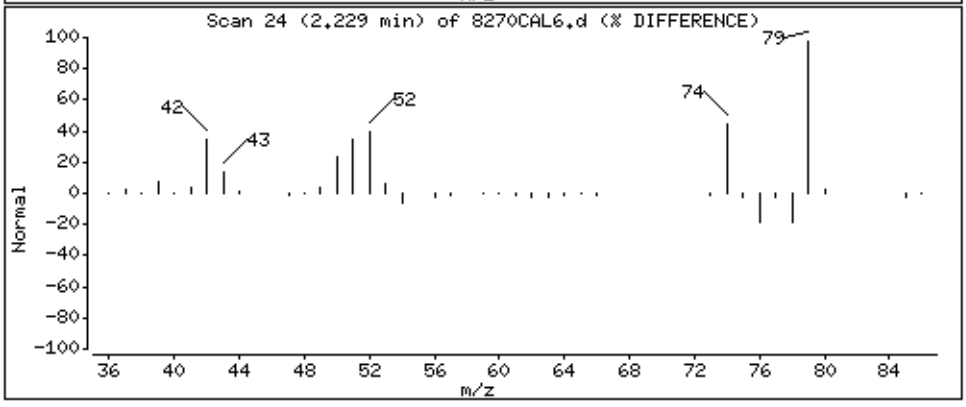












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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

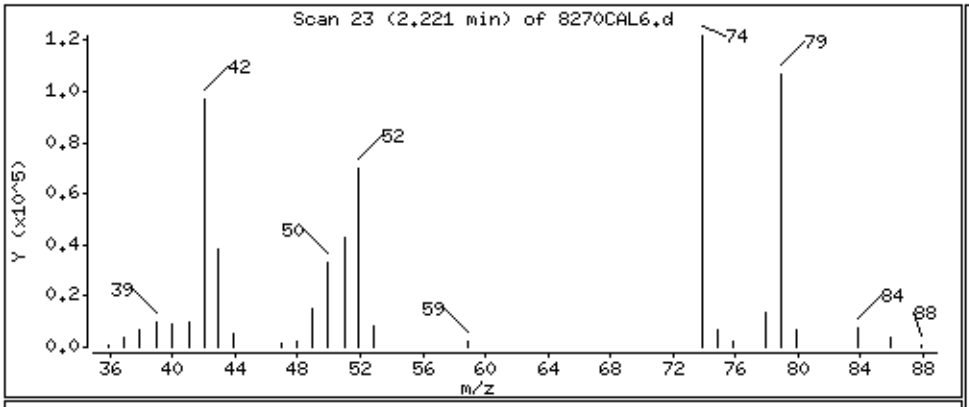
Operator: MJ

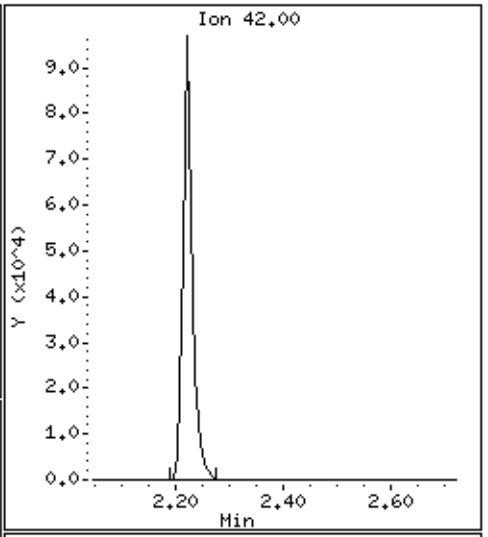
Column phase: HPMS-5

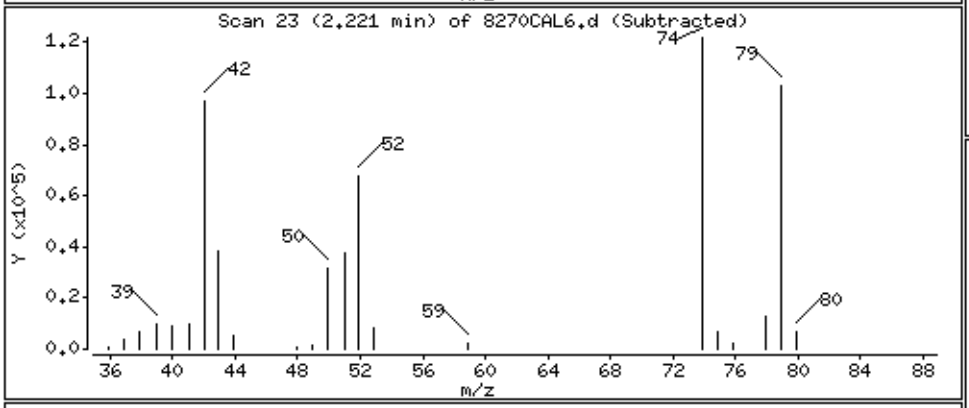
Column diameter: 0.25

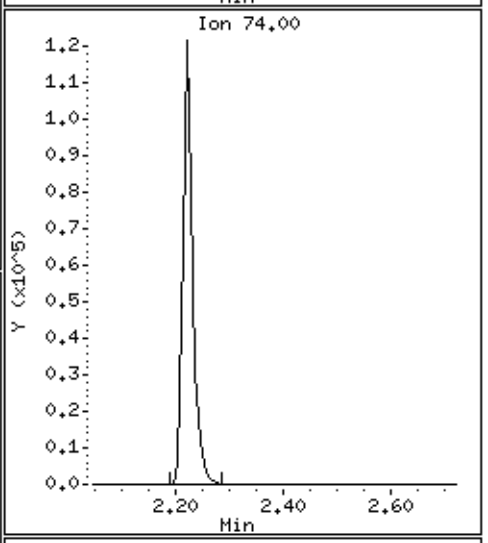
1 N-Nitrosodimethylamine

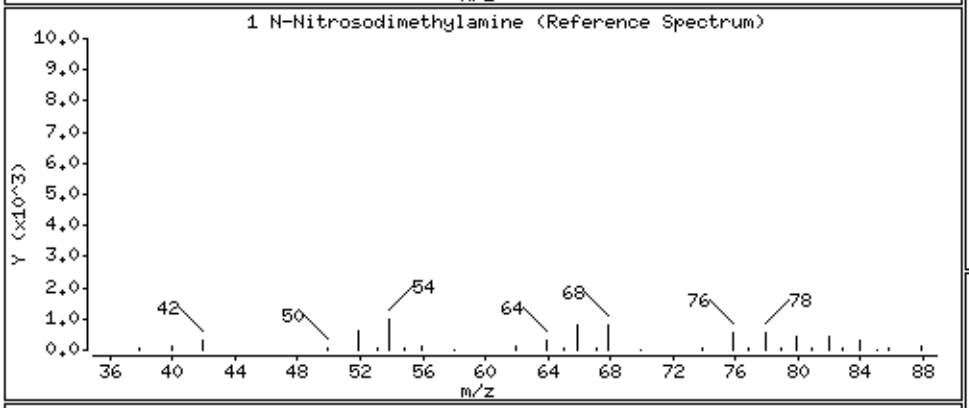
Concentration: 73.5 ug/kg

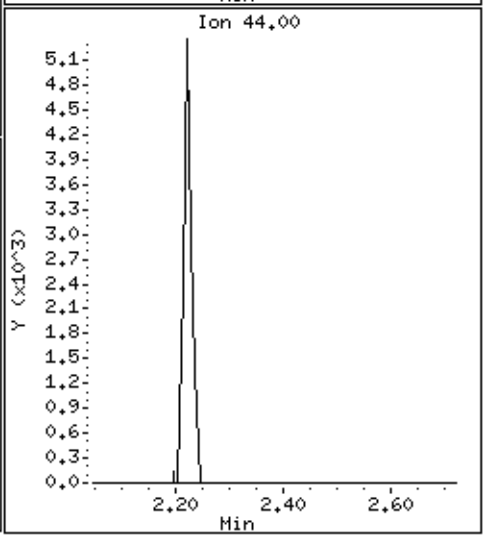


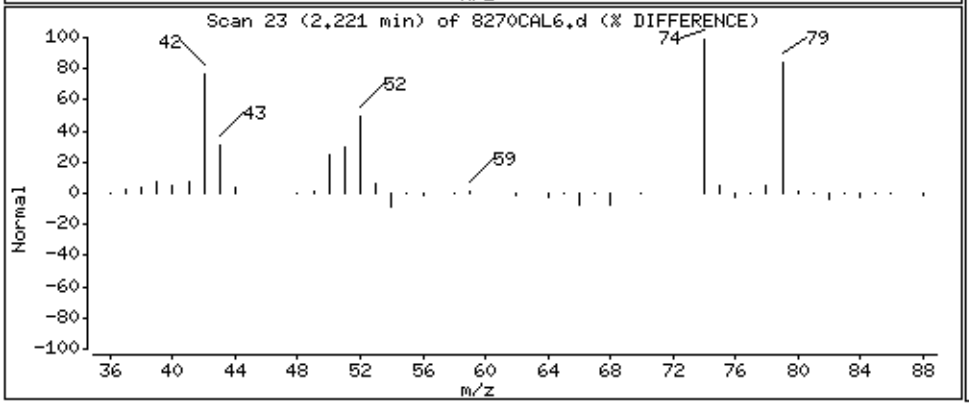












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

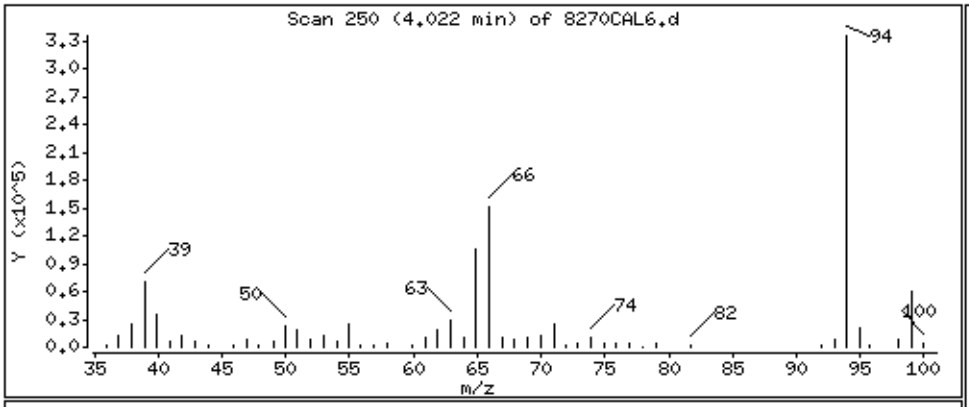
Operator: MJ

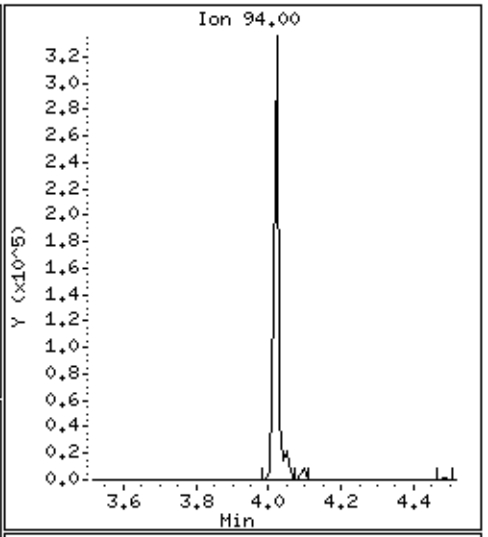
Column phase: HPMS-5

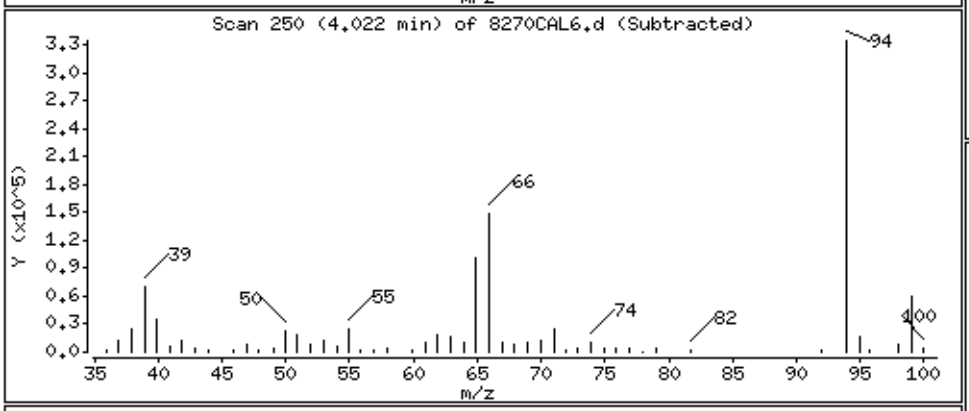
Column diameter: 0.25

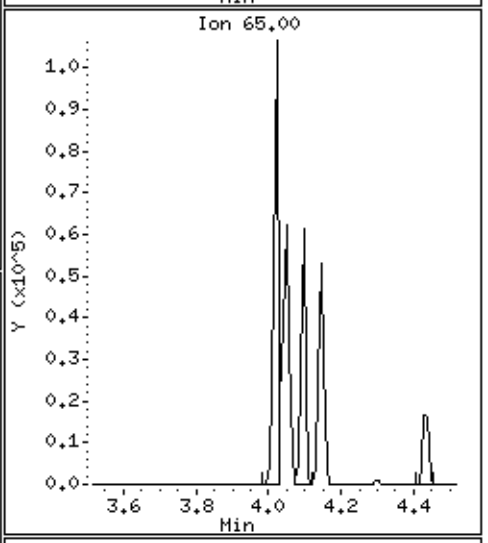
13 Phenol

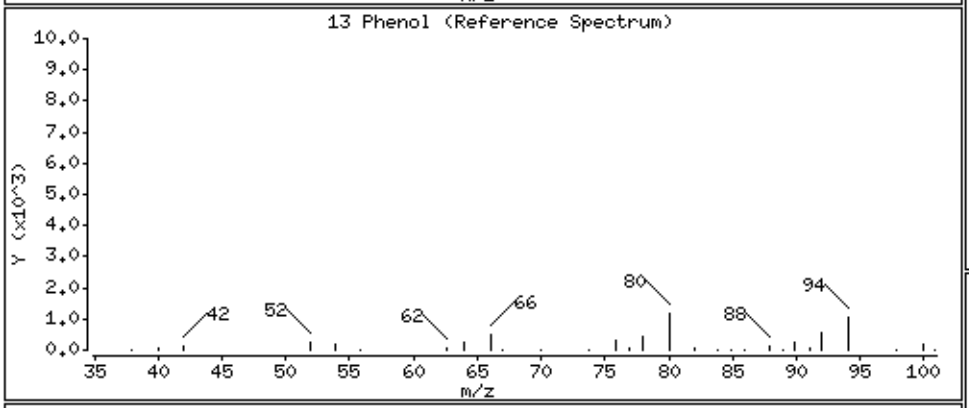
Concentration: 73.5 ug/kg

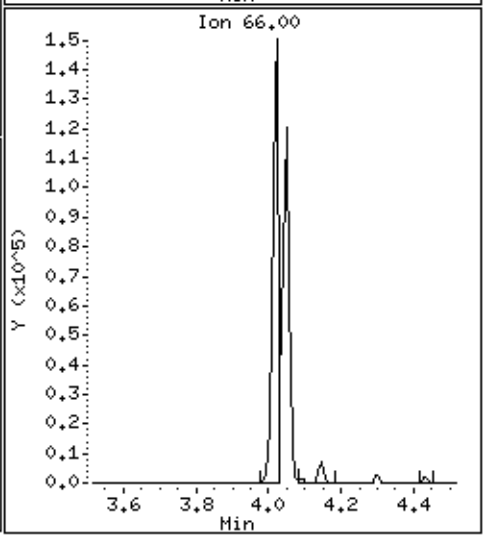


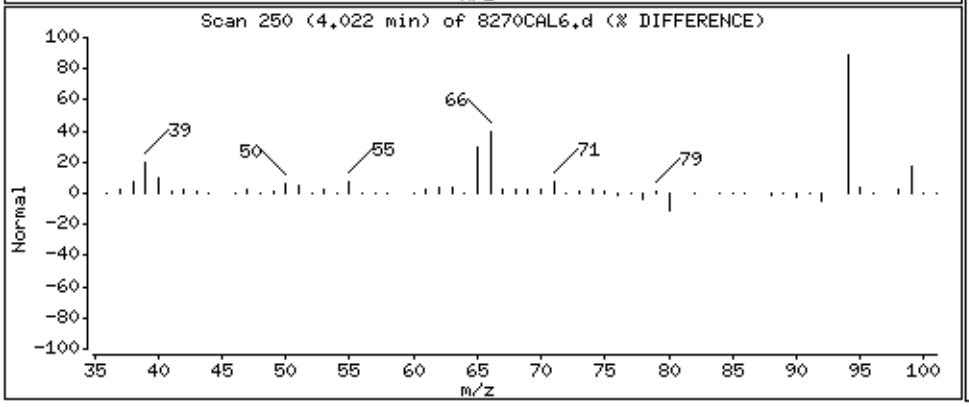












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

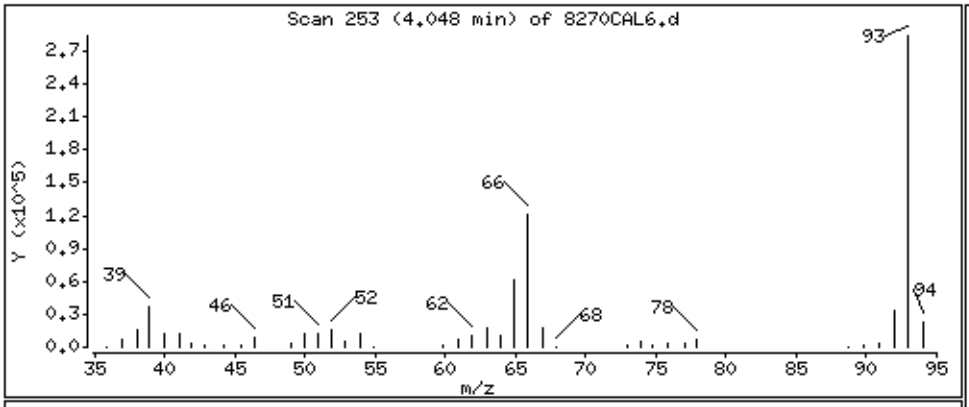
Operator: MJ

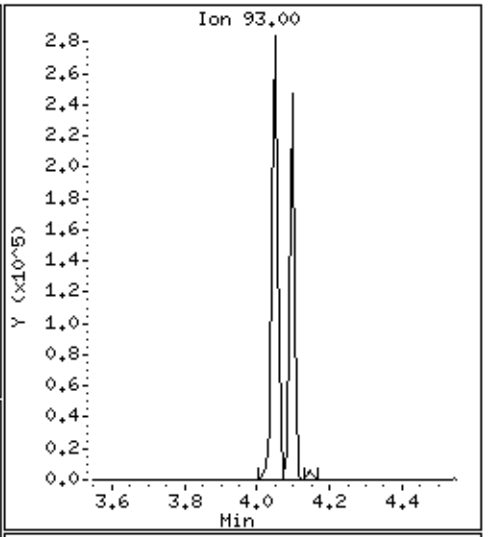
Column phase: HPMS-5

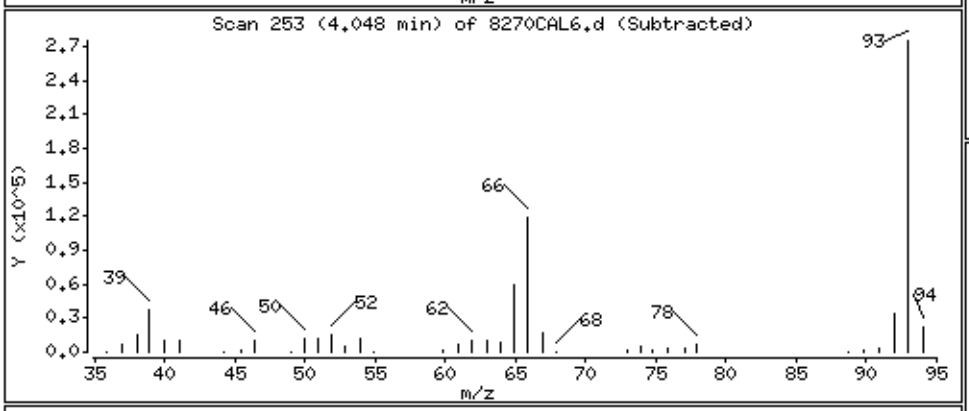
Column diameter: 0.25

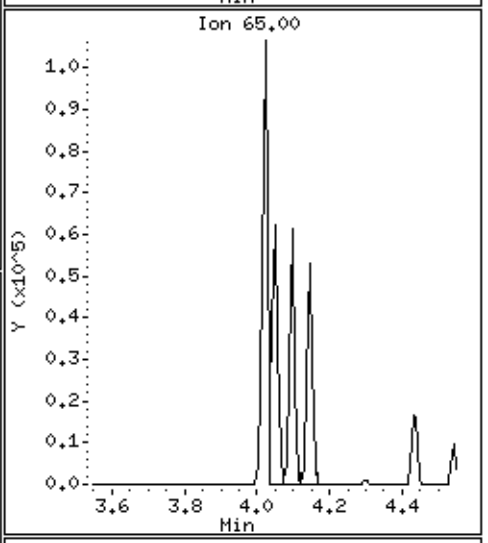
10 Aniline

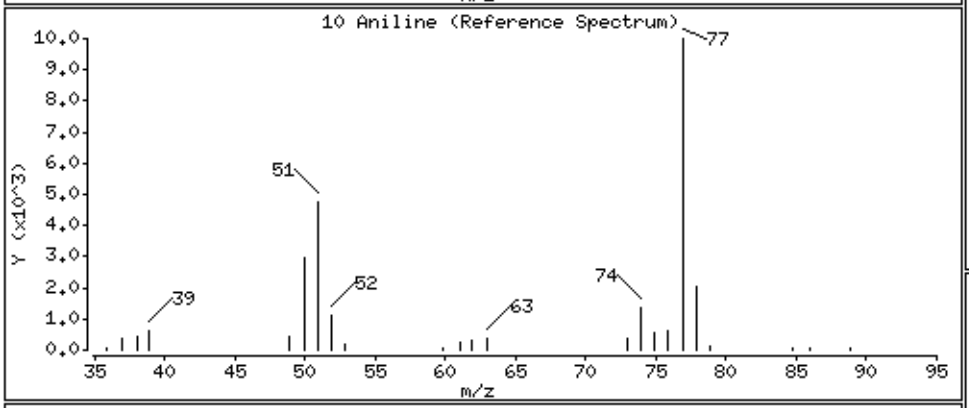
Concentration: 76.0 ug/kg

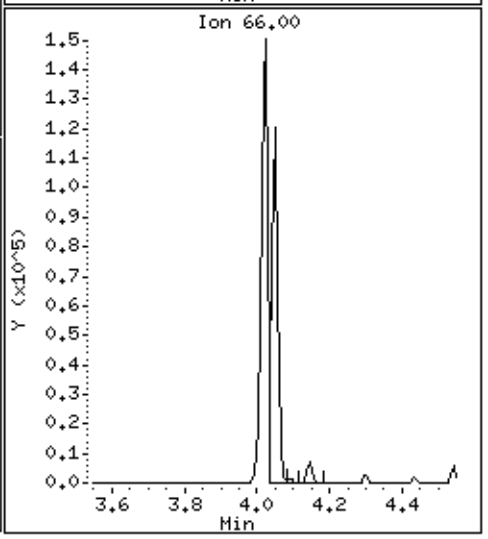


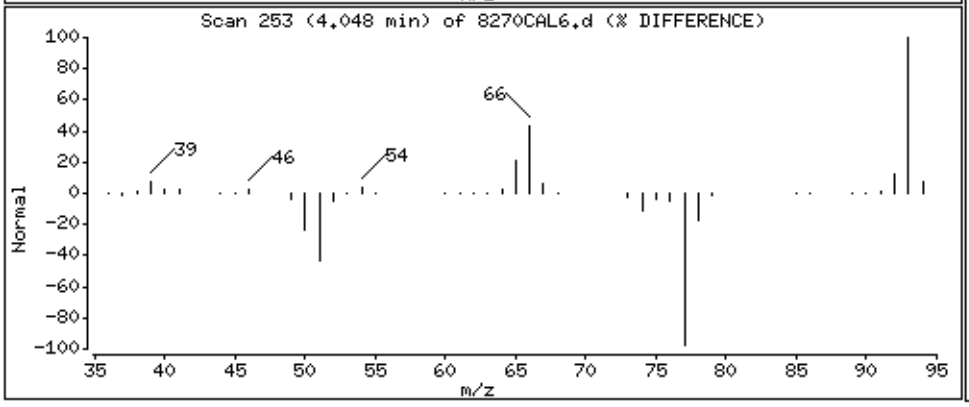












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

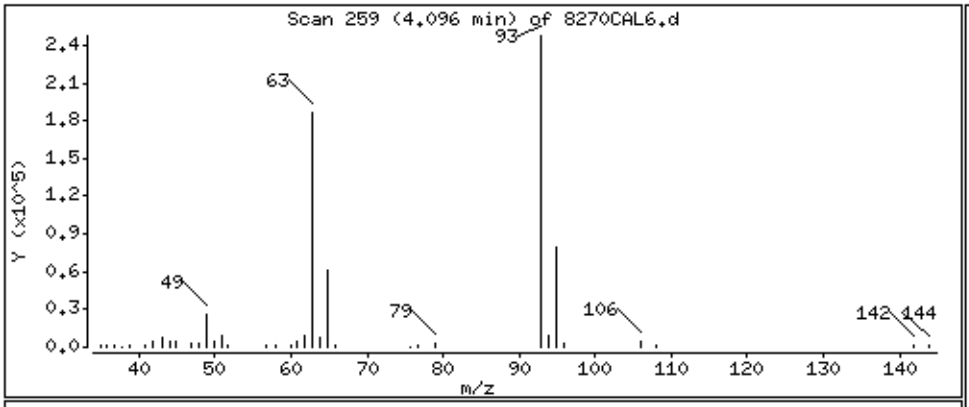
Client ID: 8270CAL6 Instrument: smsd04.i

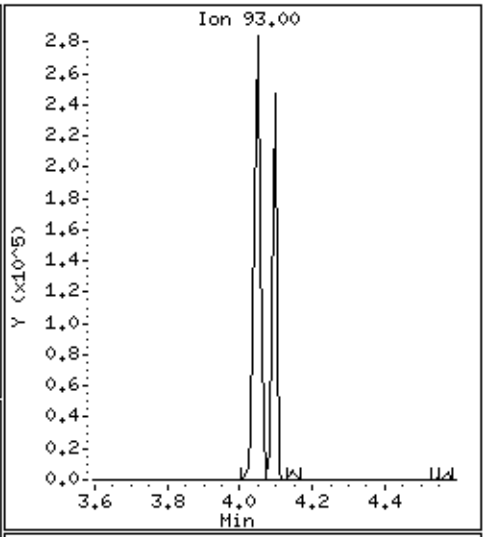
Sample Info: 47764

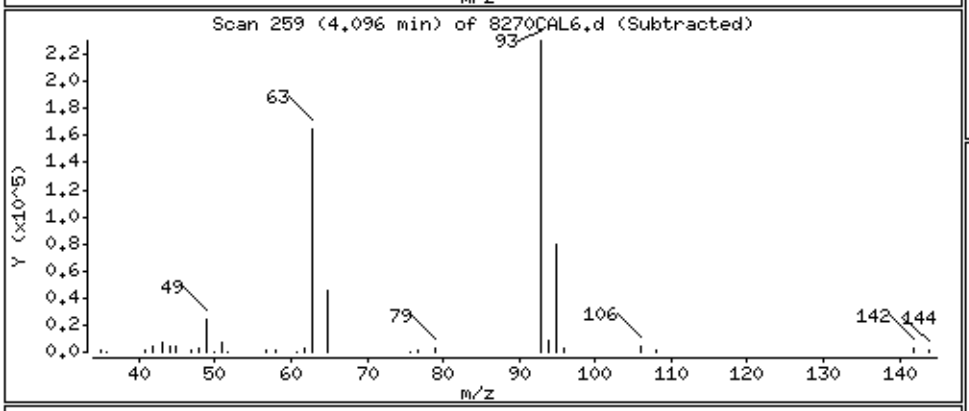
Operator: MJ

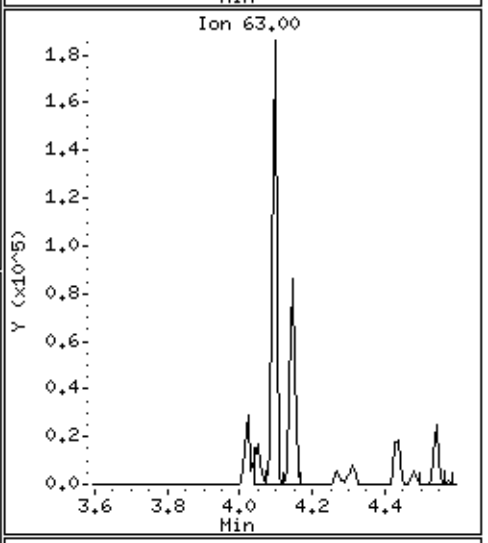
Column phase: HPMS-5 Column diameter: 0.25

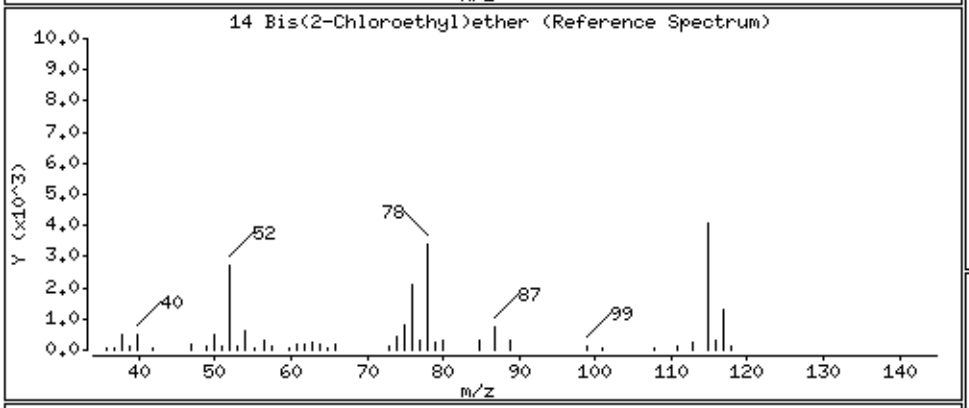
14 Bis(2-Chloroethyl)ether Concentration: 73.5 ug/kg

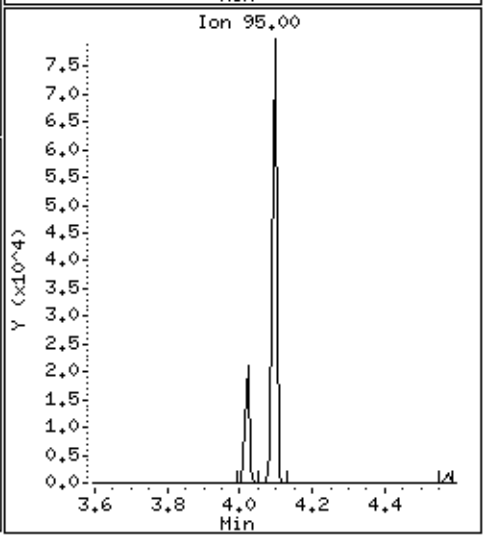


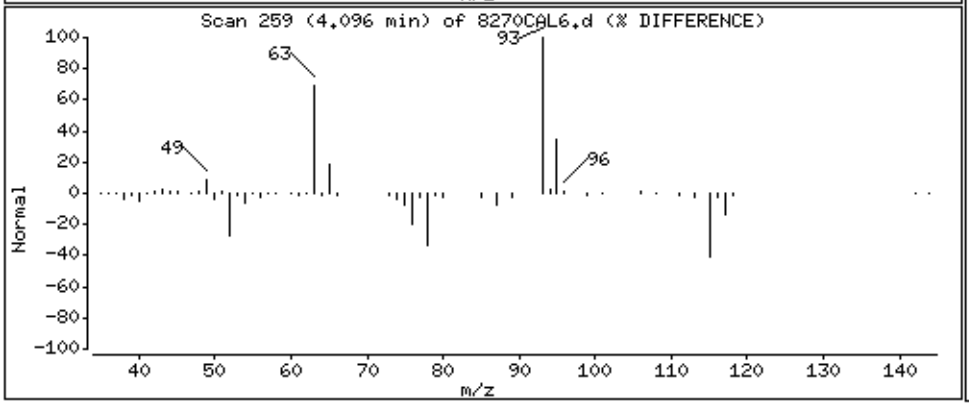












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

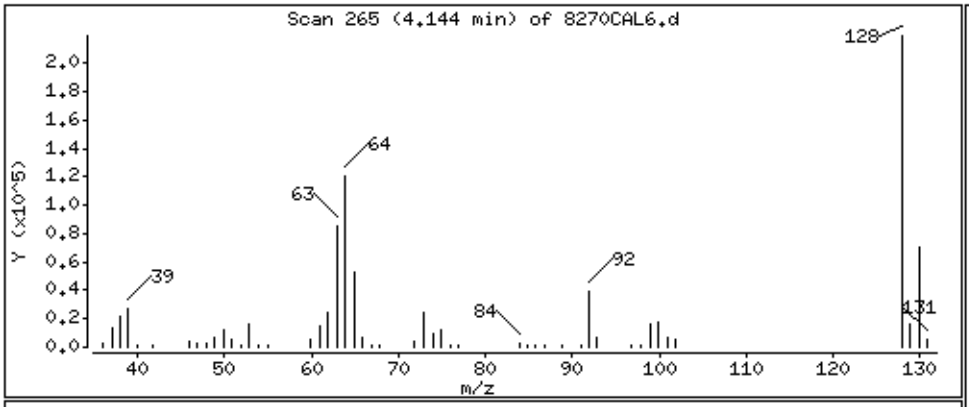
Operator: MJ

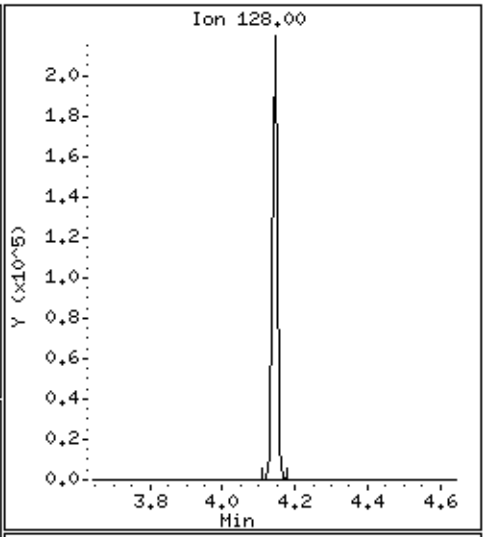
Column phase: HPMS-5

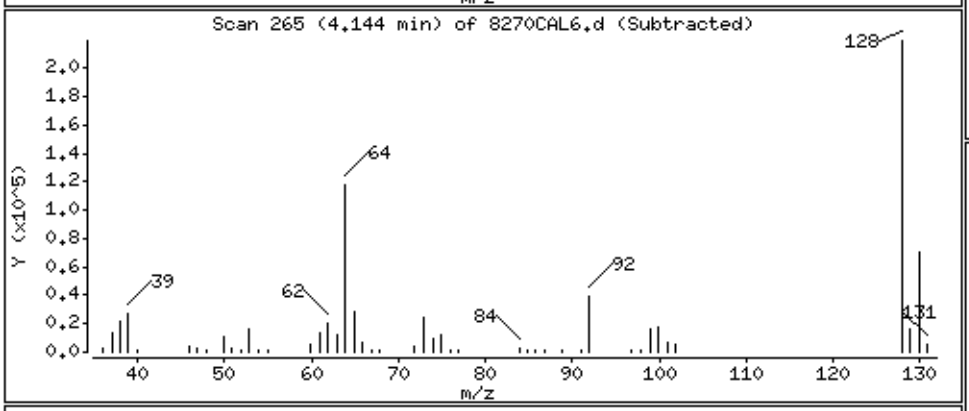
Column diameter: 0.25

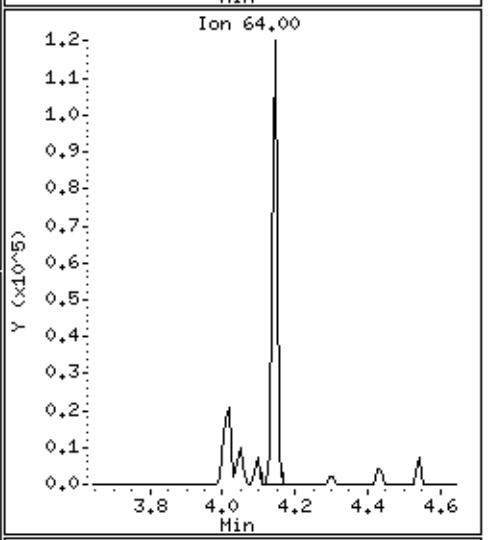
15 2-Chlorophenol

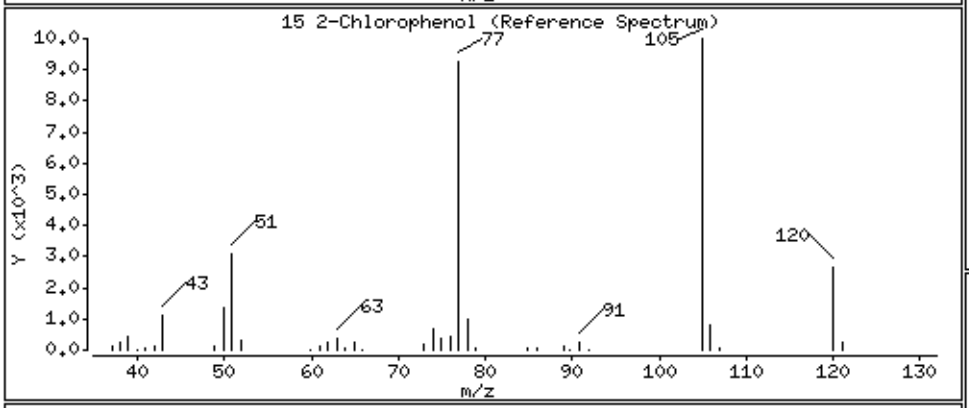
Concentration: 74.4 ug/kg

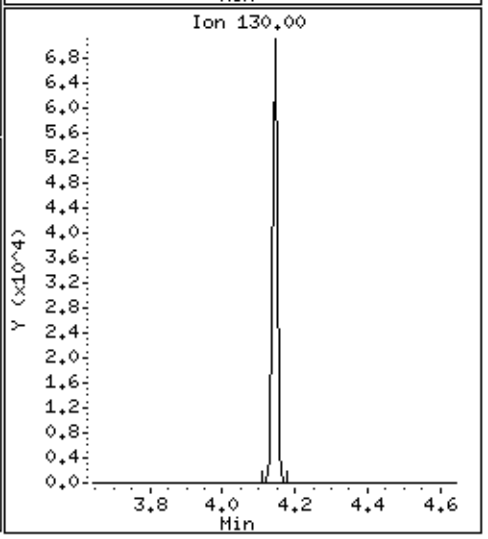


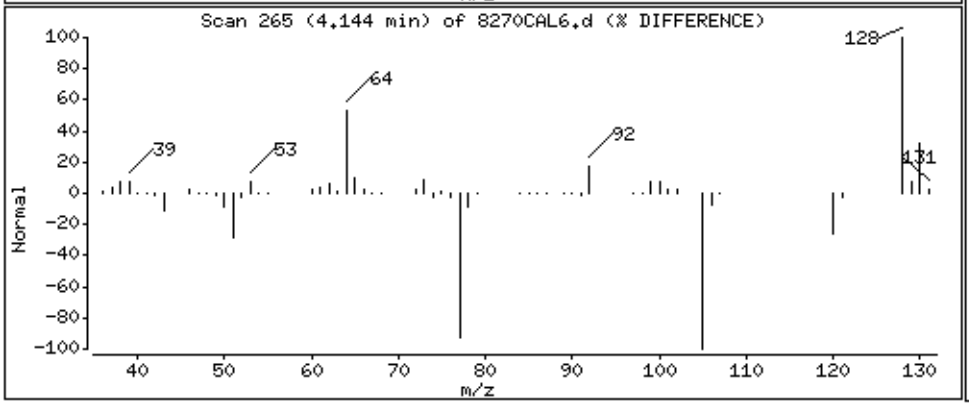












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

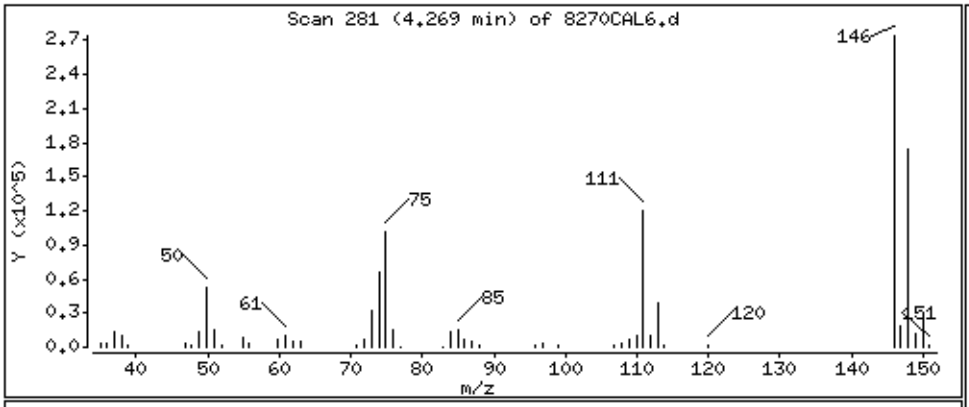
Operator: MJ

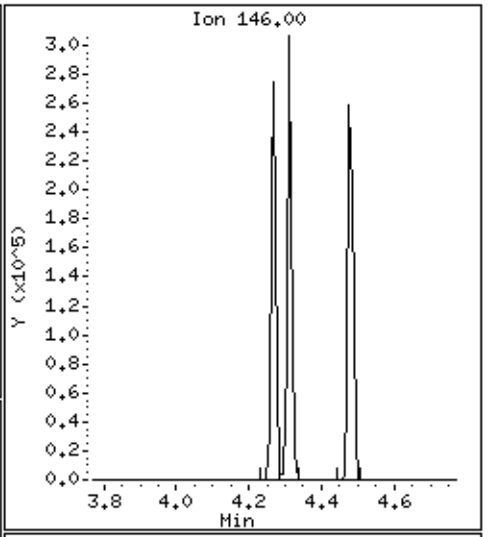
Column phase: HPMS-5

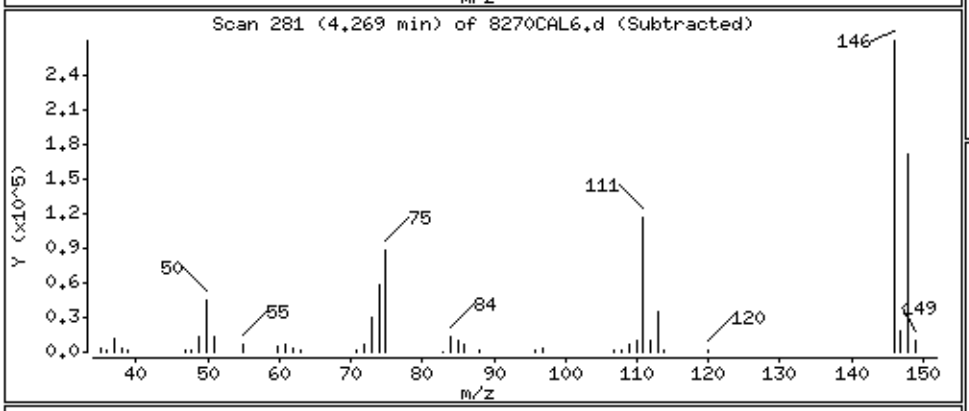
Column diameter: 0.25

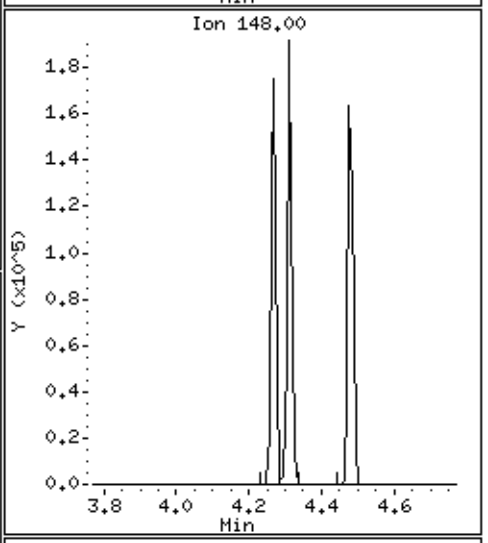
17 1,3-Dichlorobenzene

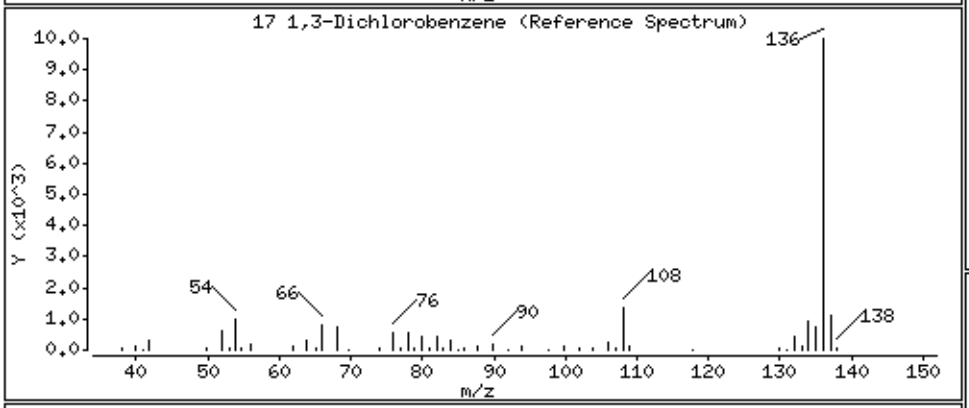
Concentration: 74.5 ug/kg

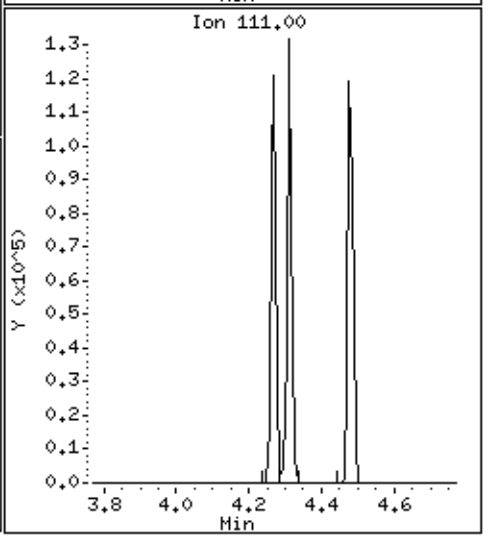


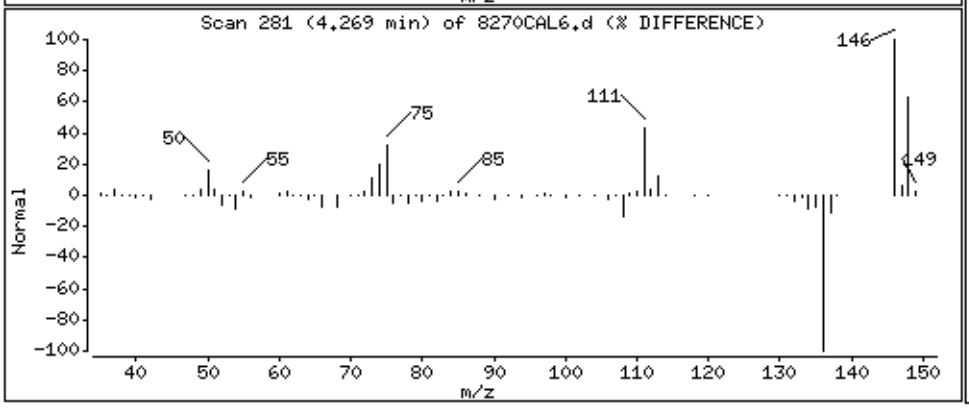












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

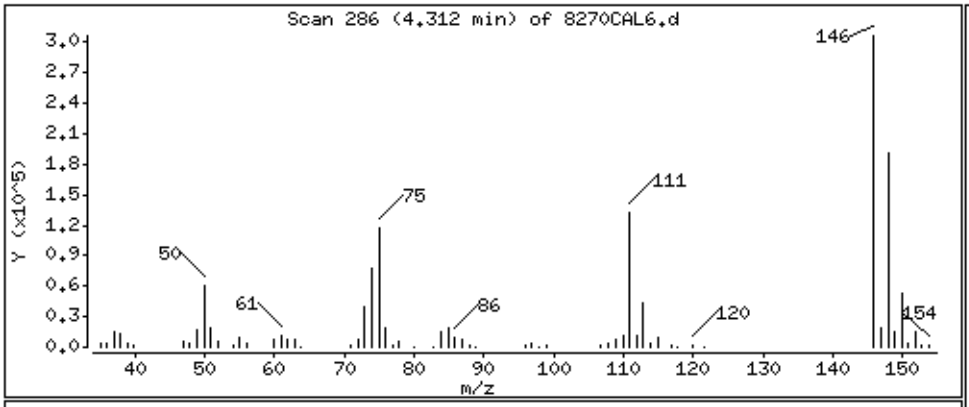
Operator: MJ

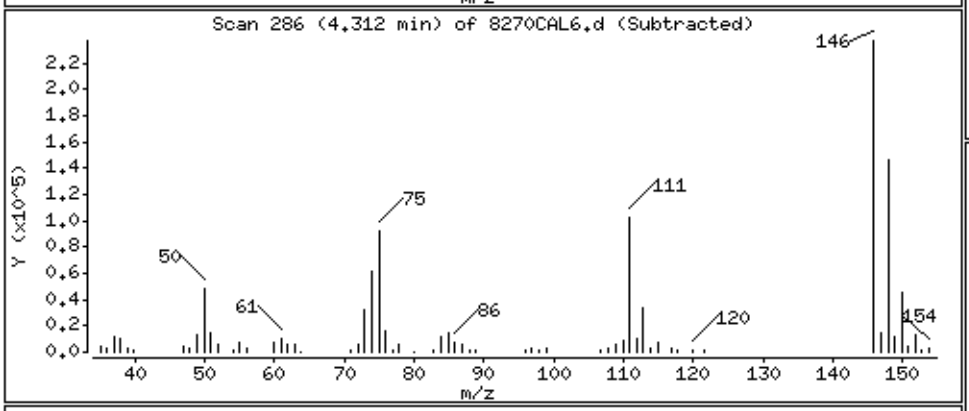
Column phase: HPMS-5

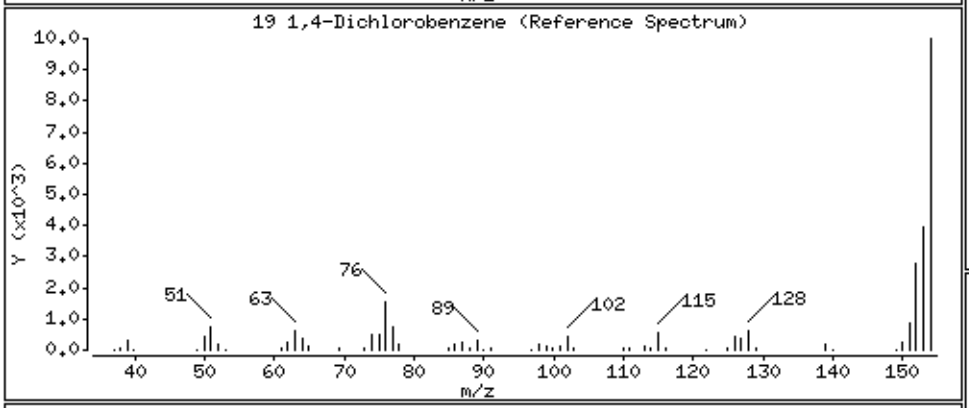
Column diameter: 0.25

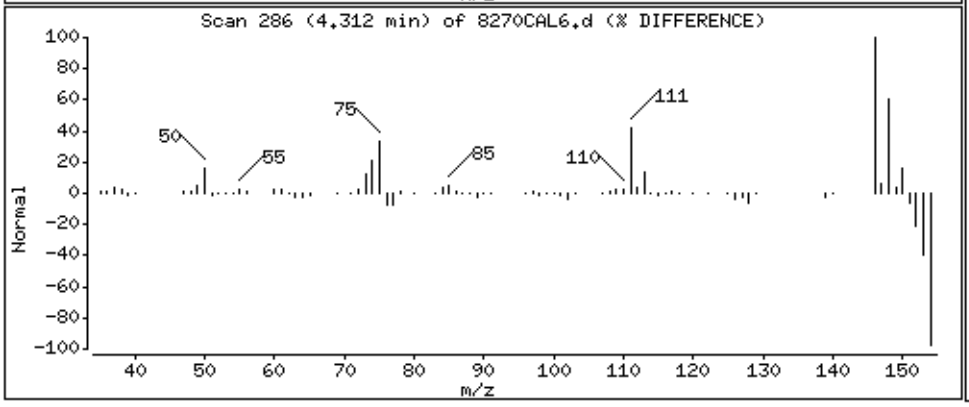
19 1,4-Dichlorobenzene

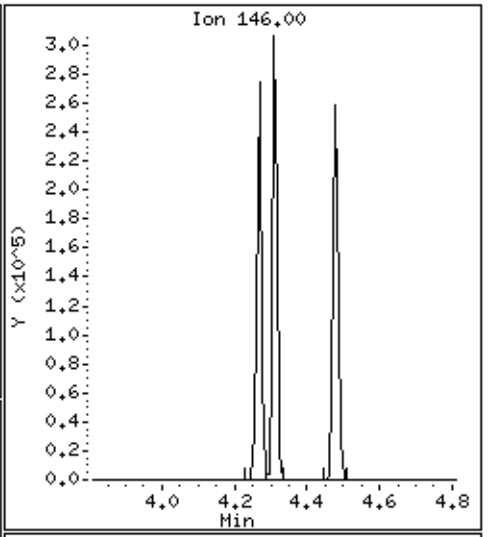
Concentration: 75.2 ug/kg

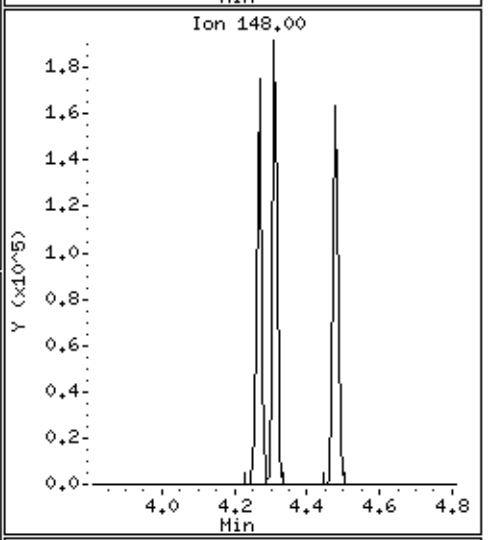


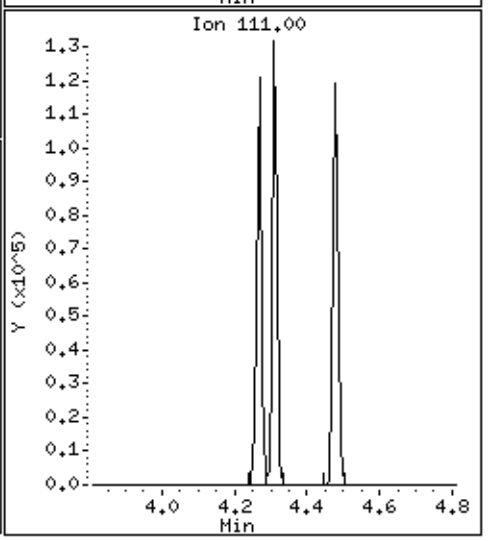












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

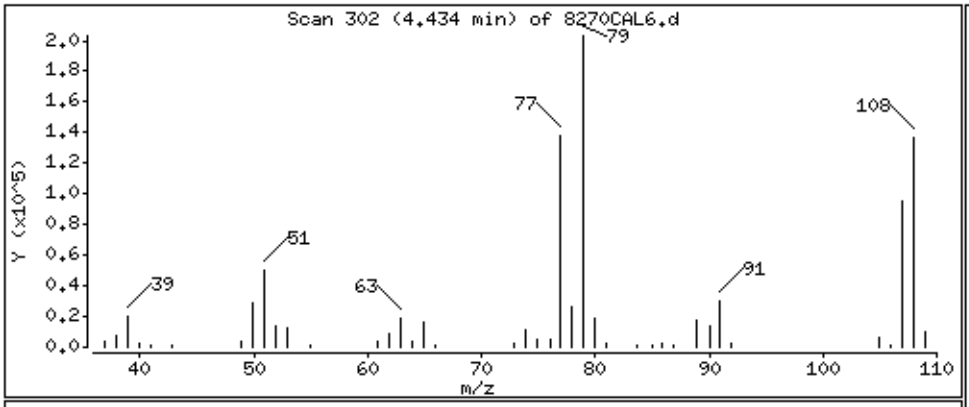
Operator: MJ

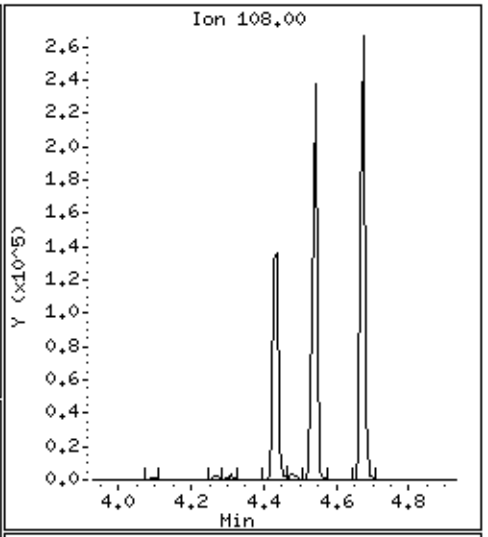
Column phase: HPMS-5

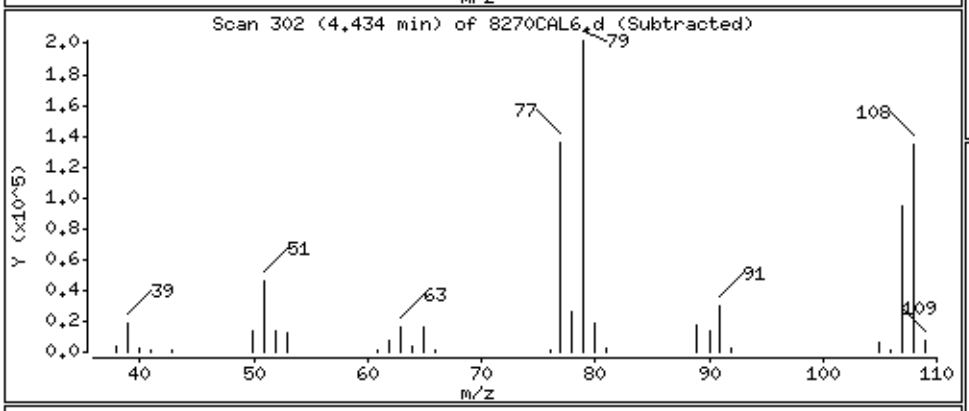
Column diameter: 0.25

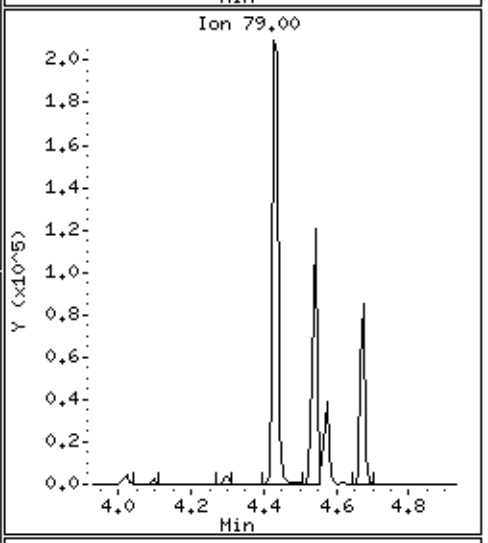
21 Benzyl alcohol

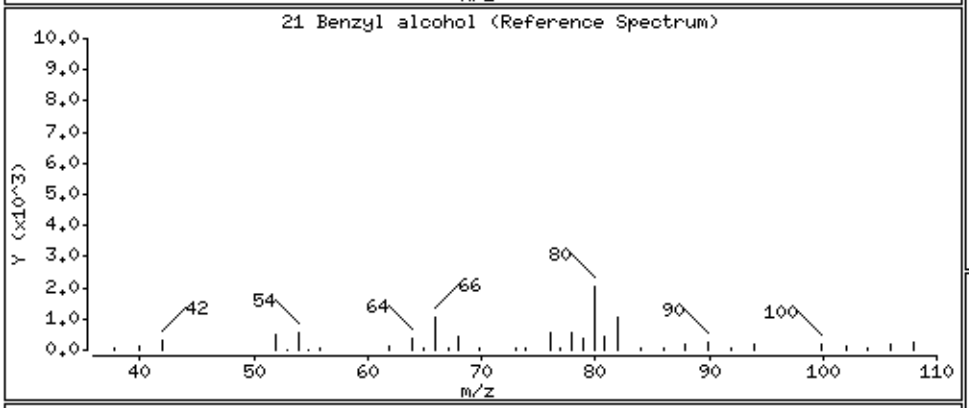
Concentration: 73.6 ug/kg

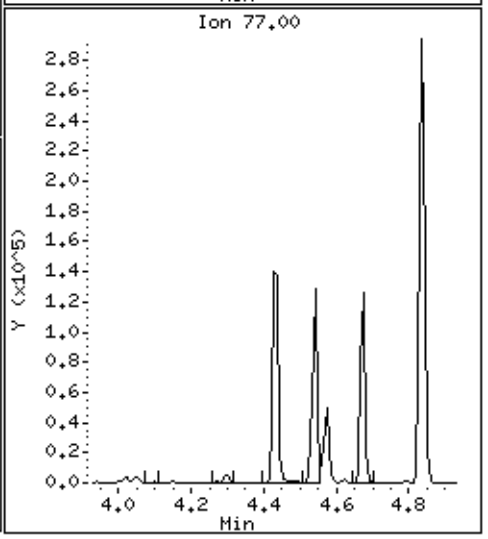


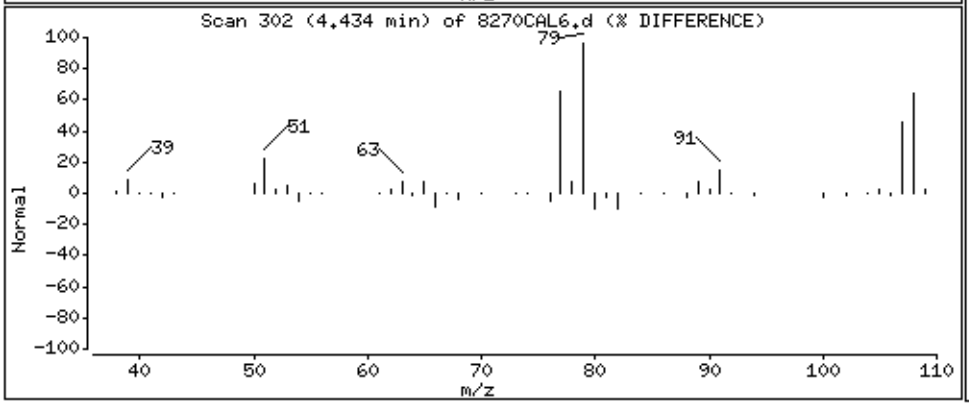












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

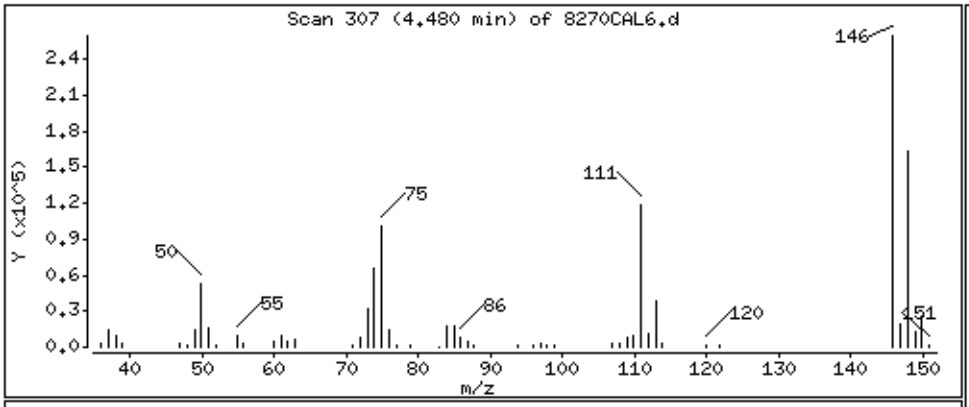
Operator: MJ

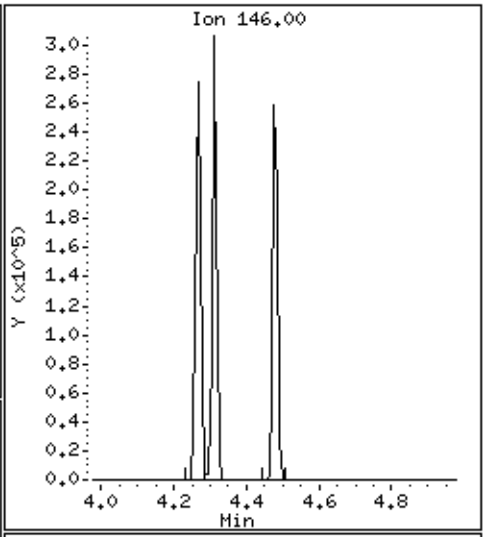
Column phase: HPMS-5

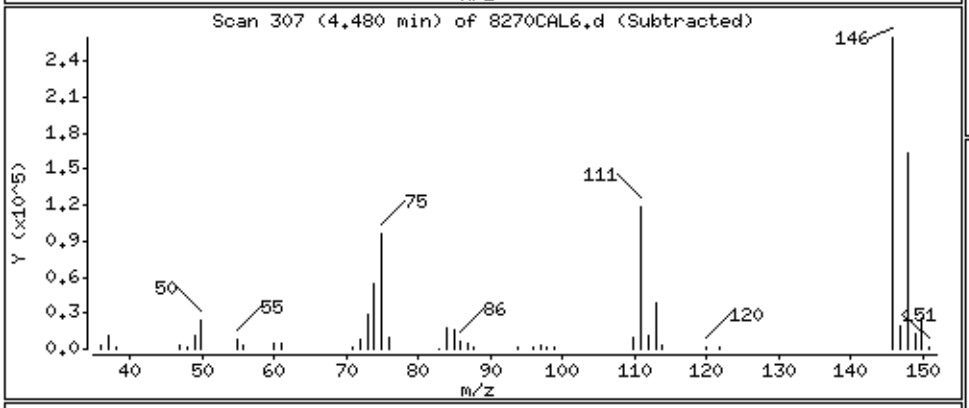
Column diameter: 0.25

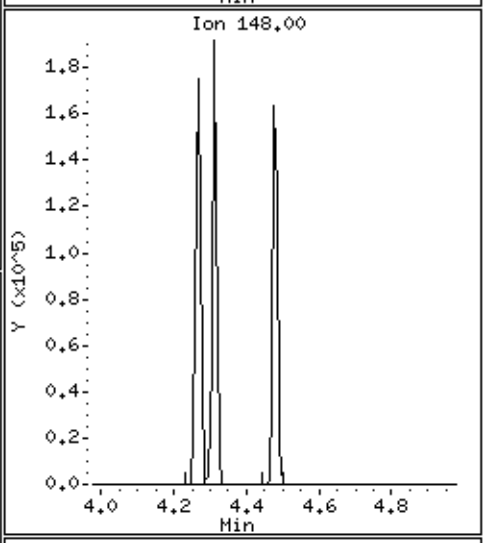
20 1,2-Dichlorobenzene

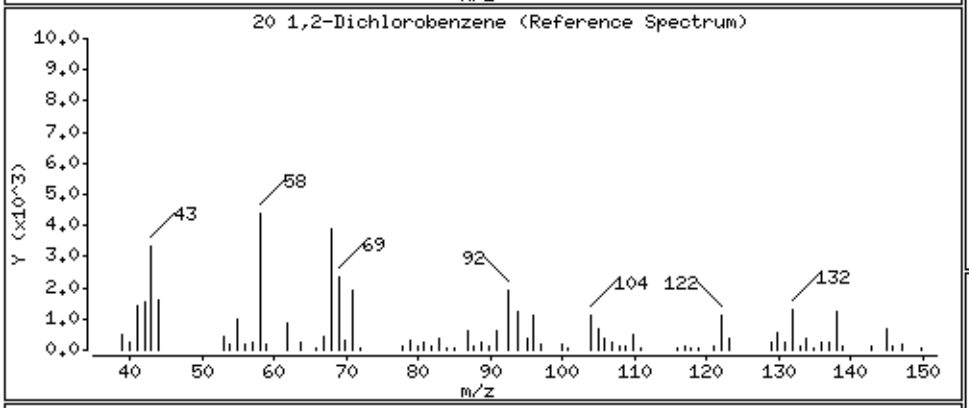
Concentration: 73.7 ug/kg

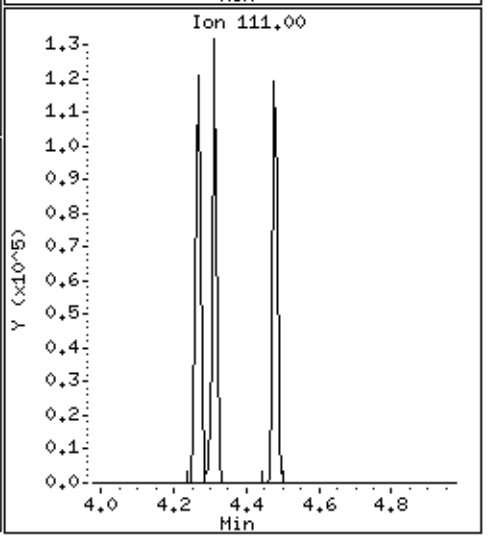


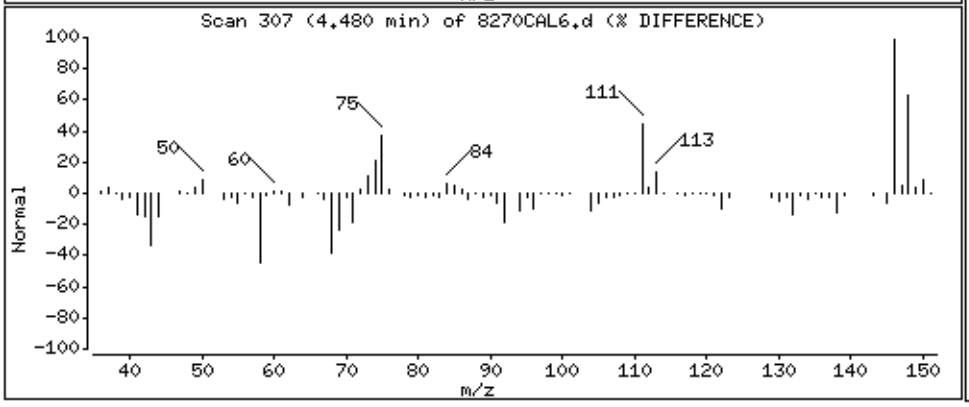












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

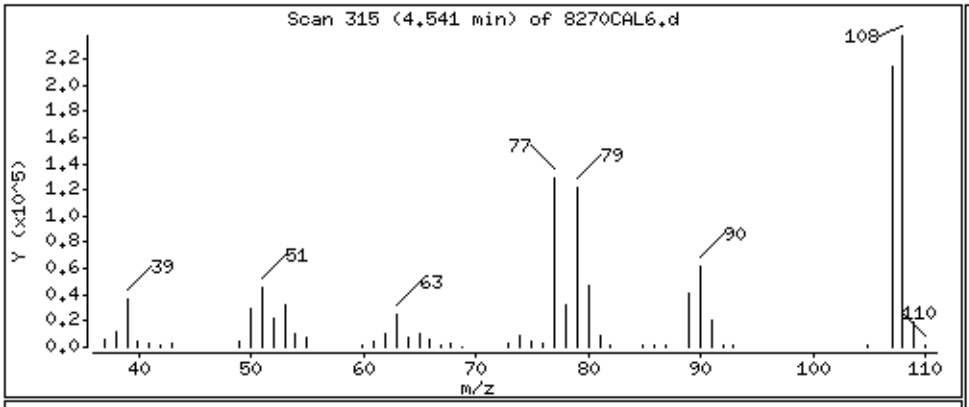
Operator: MJ

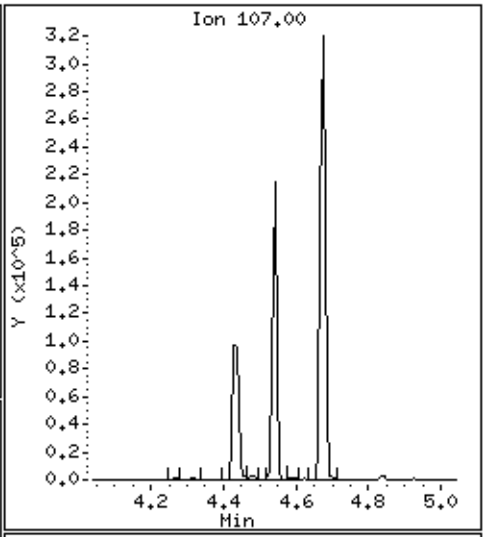
Column phase: HPMS-5

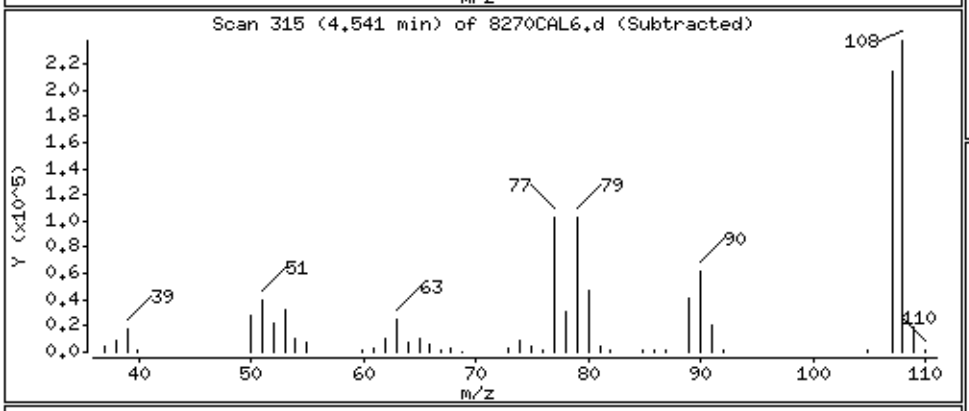
Column diameter: 0.25

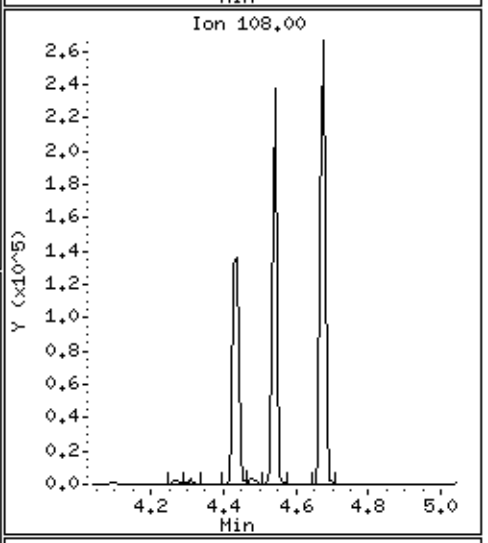
22 2-Methylphenol

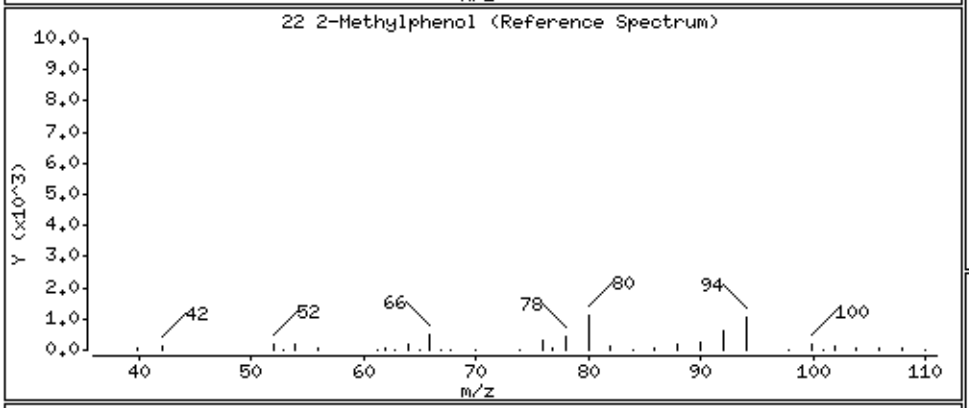
Concentration: 73.8 ug/kg

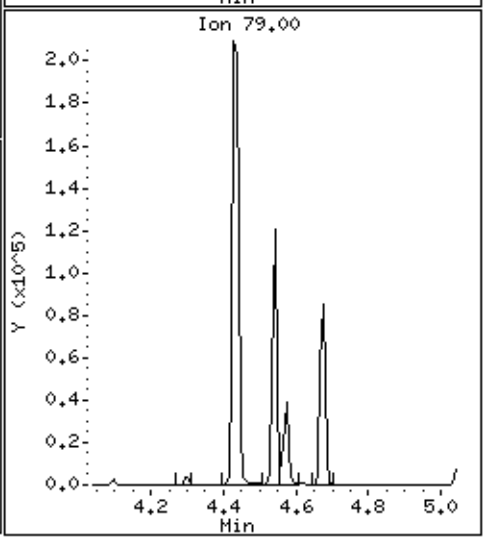


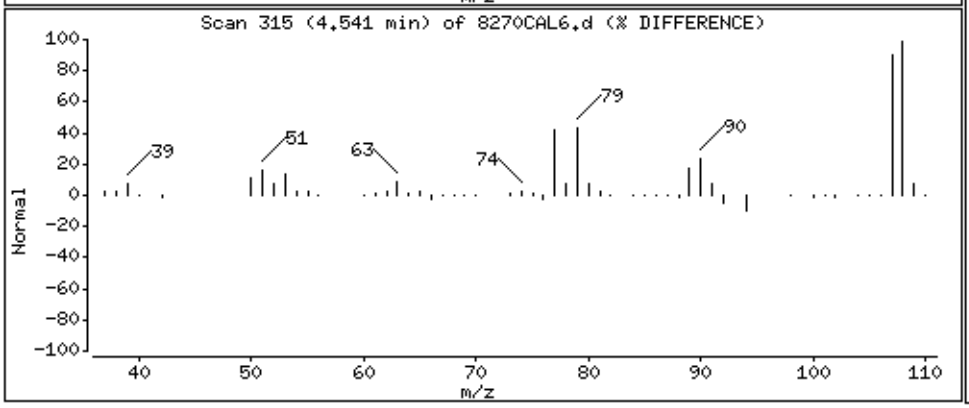












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

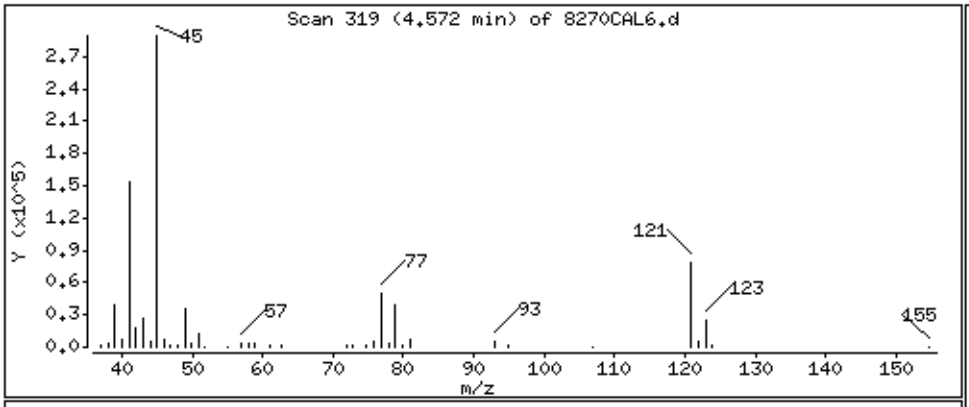
Operator: MJ

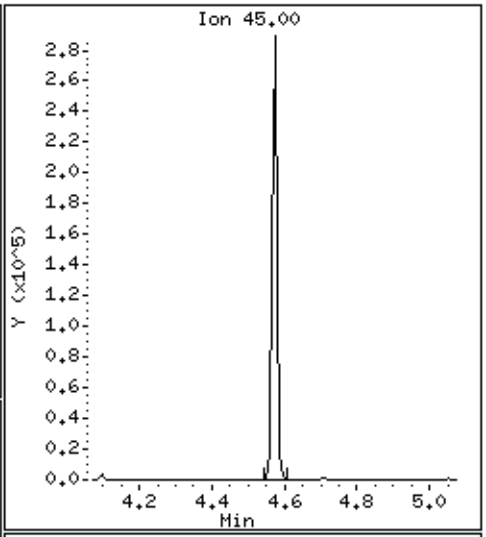
Column phase: HPMS-5

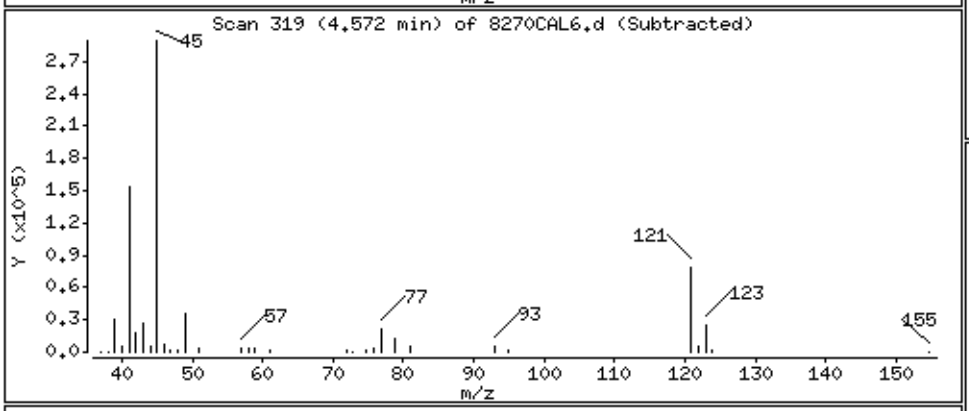
Column diameter: 0.25

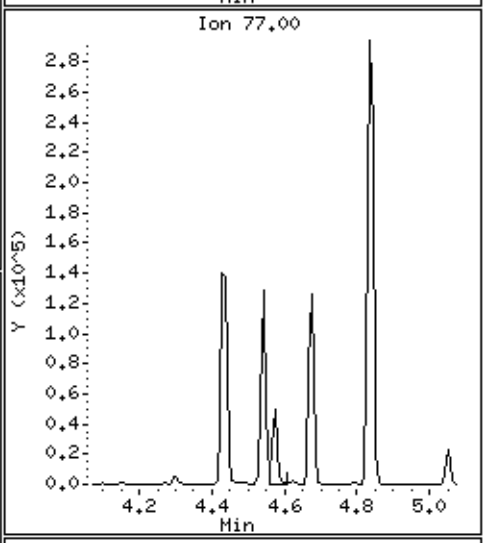
23 2,2'-oxybis(1-chloropropane)

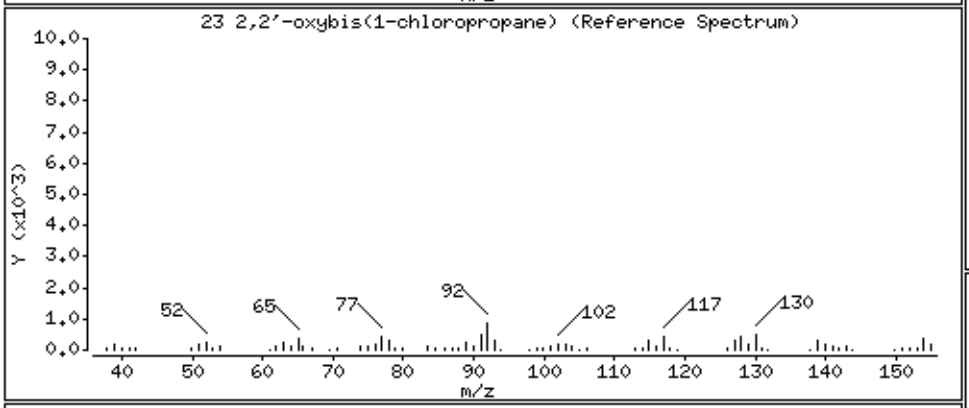
Concentration: 74.0 ug/kg

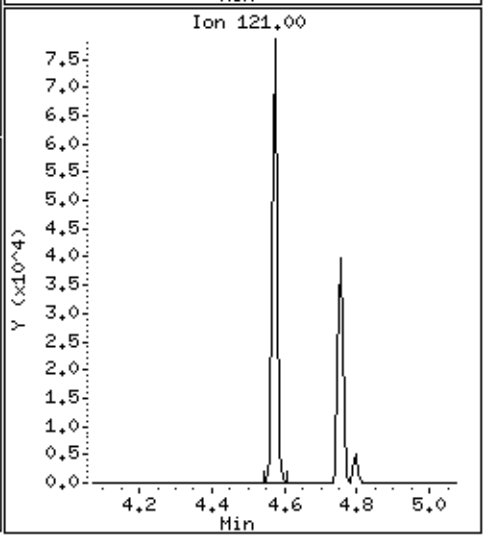


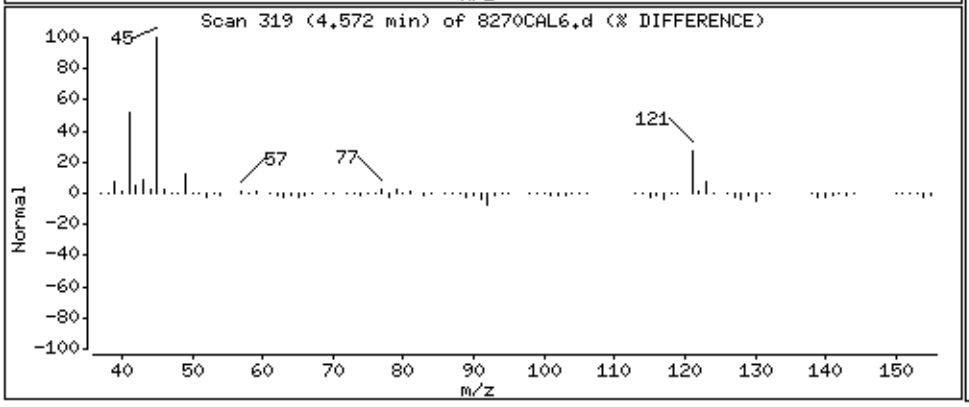












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

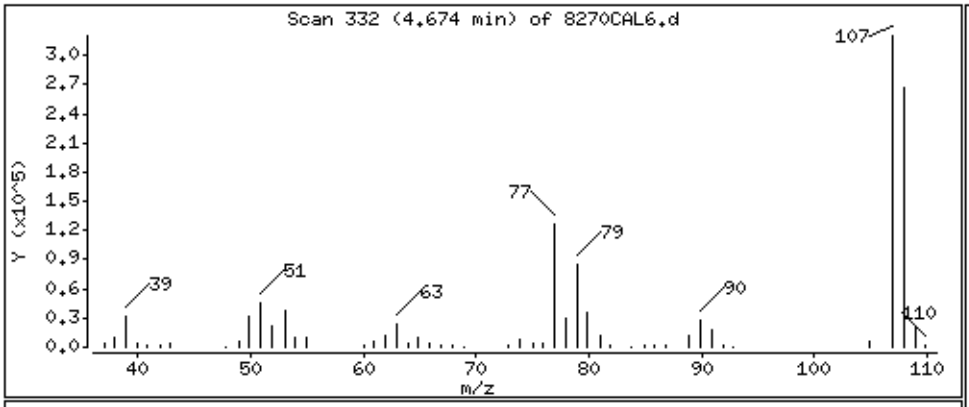
Operator: MJ

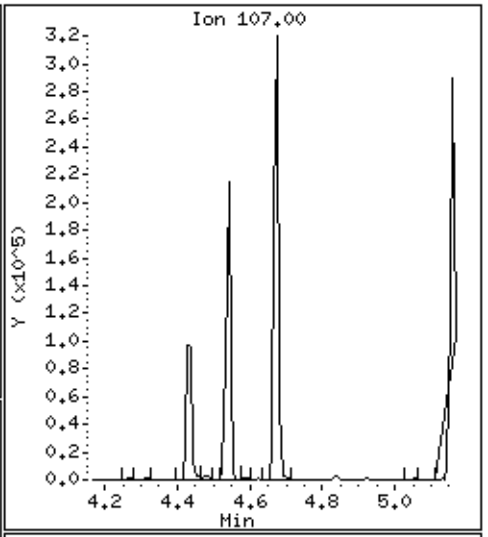
Column phase: HPMS-5

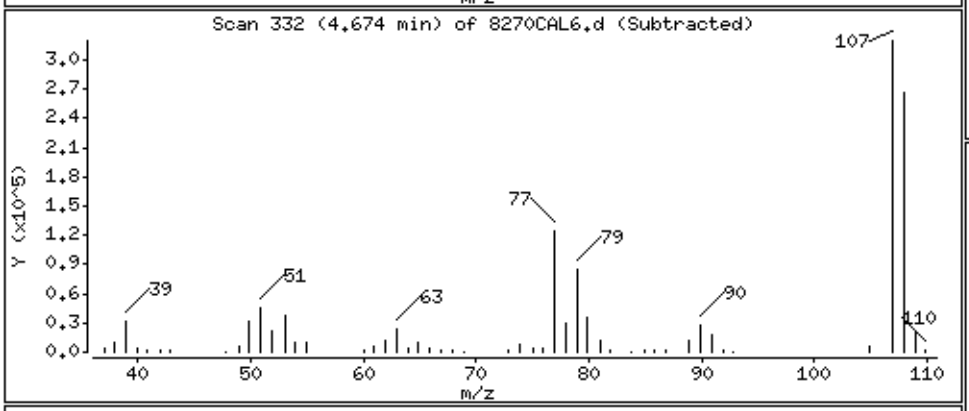
Column diameter: 0.25

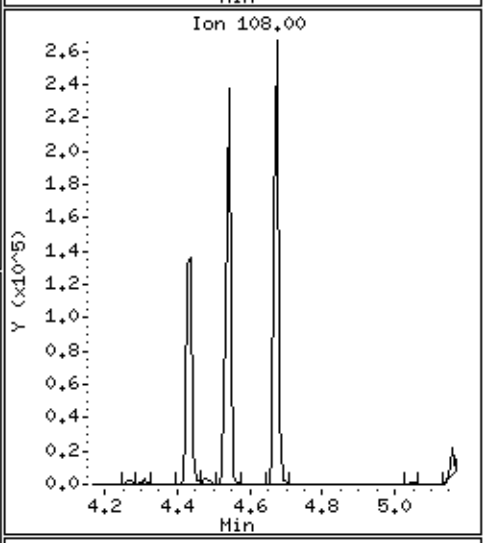
28 4-Methylphenol

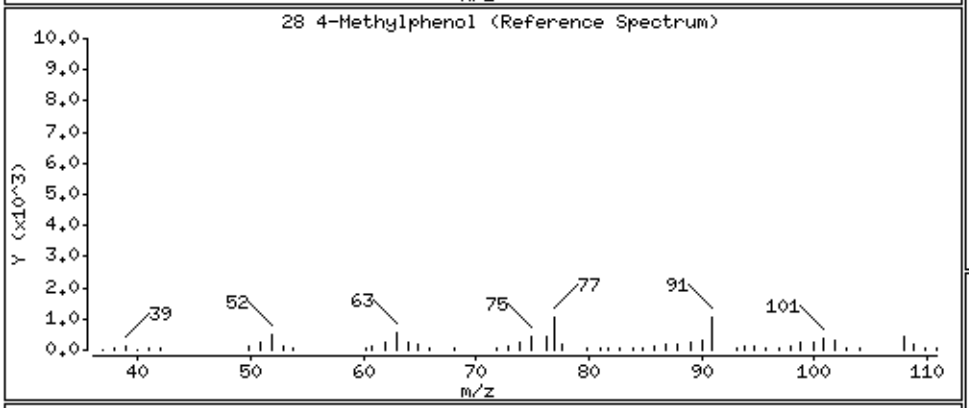
Concentration: 72.8 ug/kg

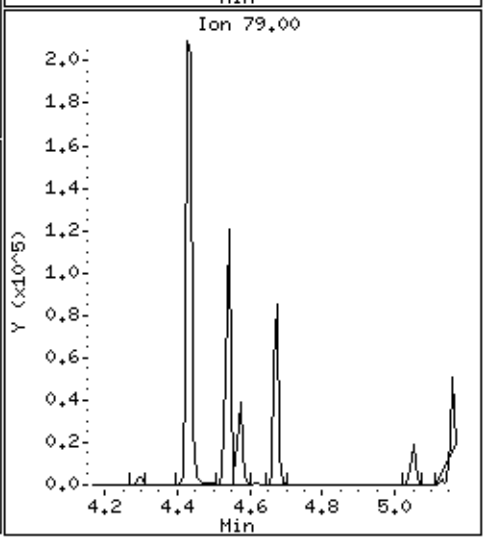


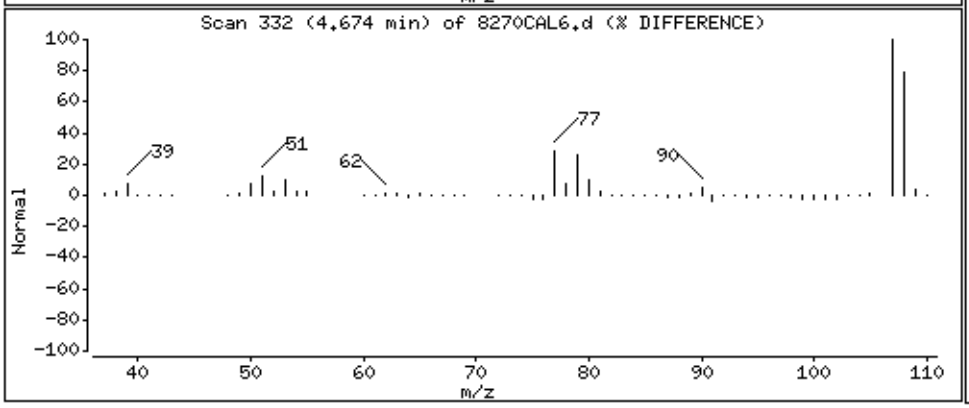












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

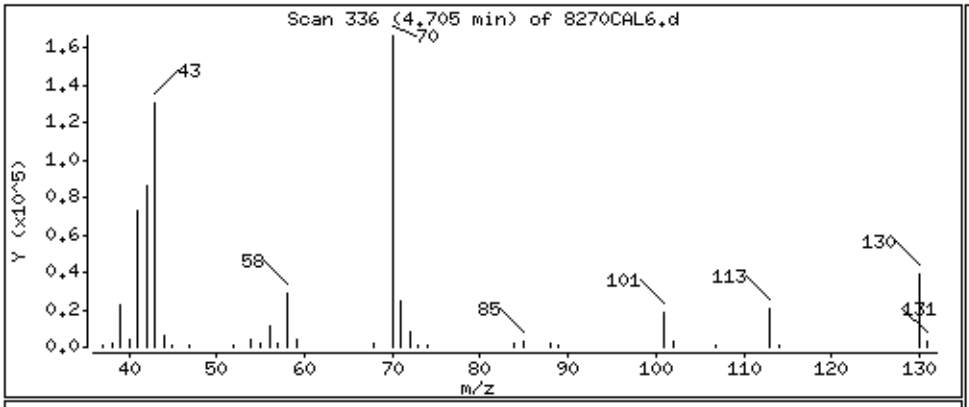
Client ID: 8270CAL6 Instrument: smsd04.i

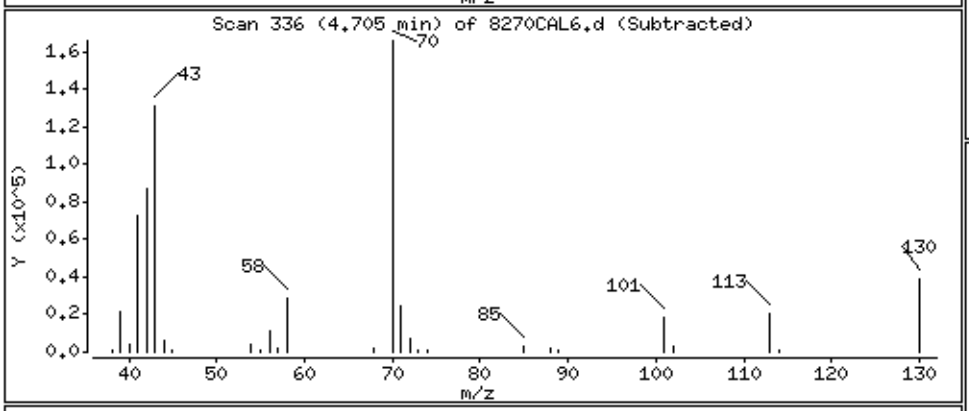
Sample Info: 47764

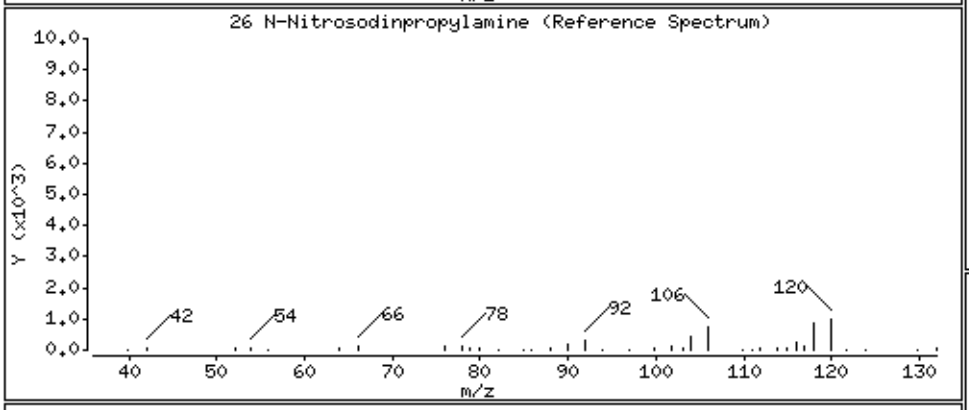
Operator: MJ

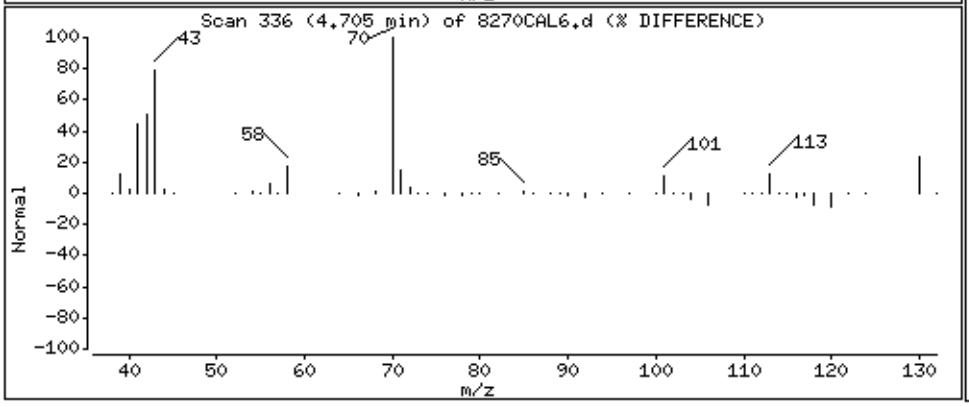
Column phase: HPMS-5 Column diameter: 0.25

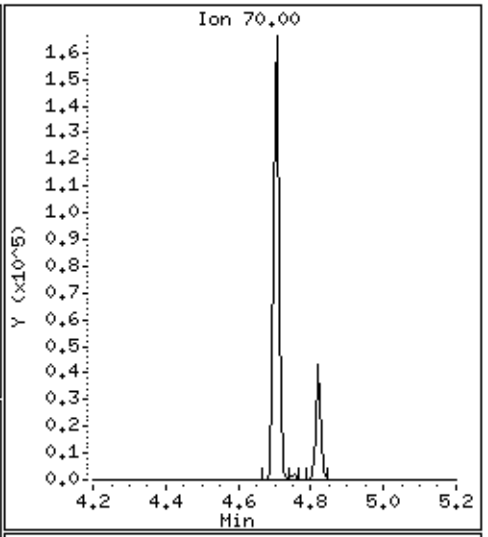
26 N-Nitrosodinpropylamine Concentration: 74.4 ug/kg

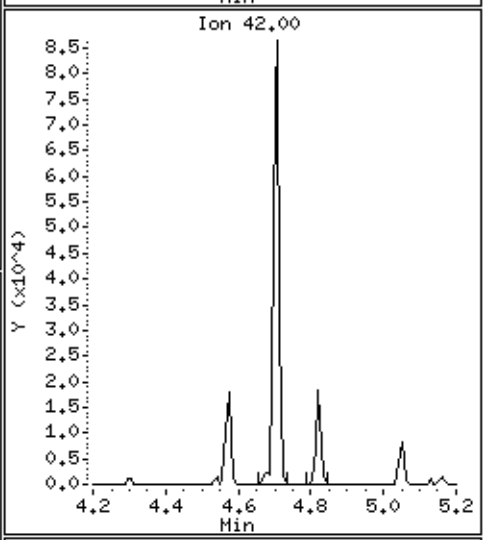


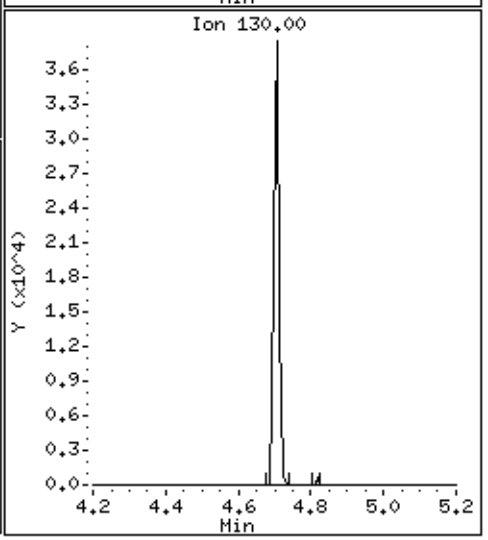












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

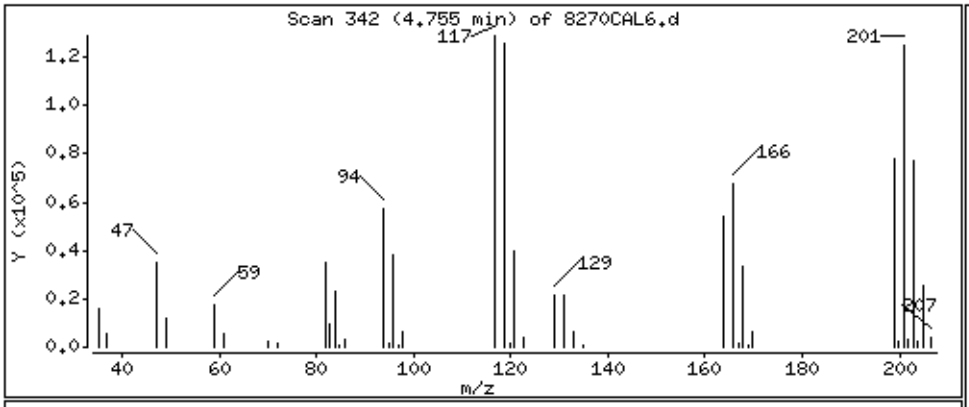
Operator: MJ

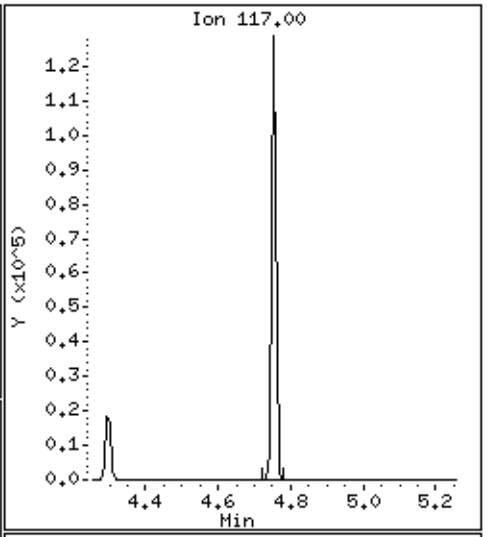
Column phase: HPMS-5

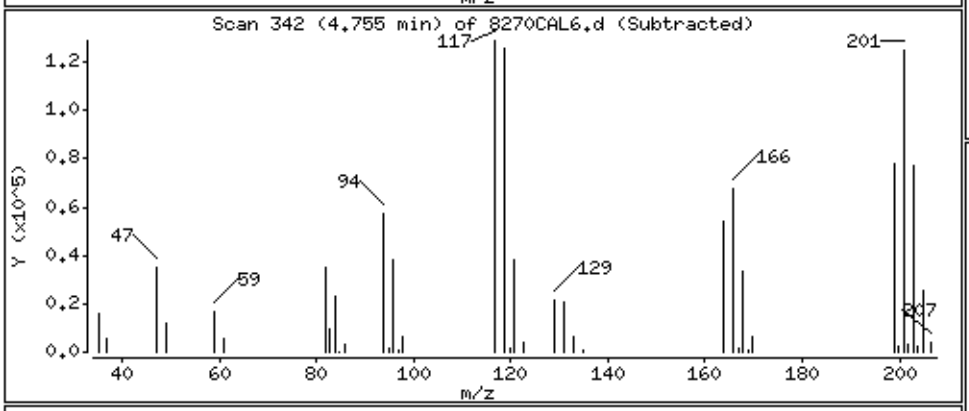
Column diameter: 0.25

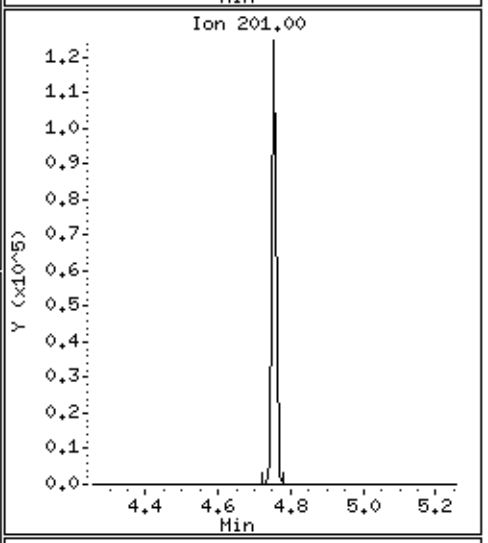
30 Hexachloroethane

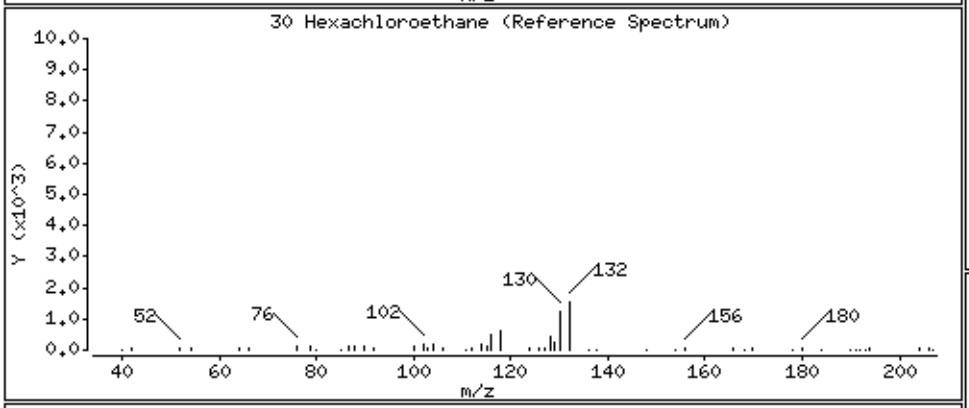
Concentration: 75.1 ug/kg

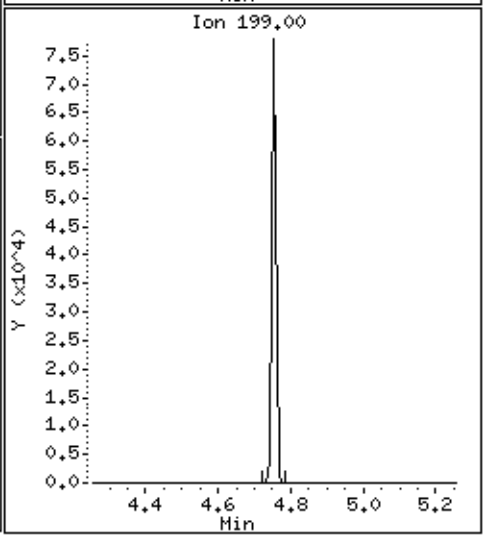


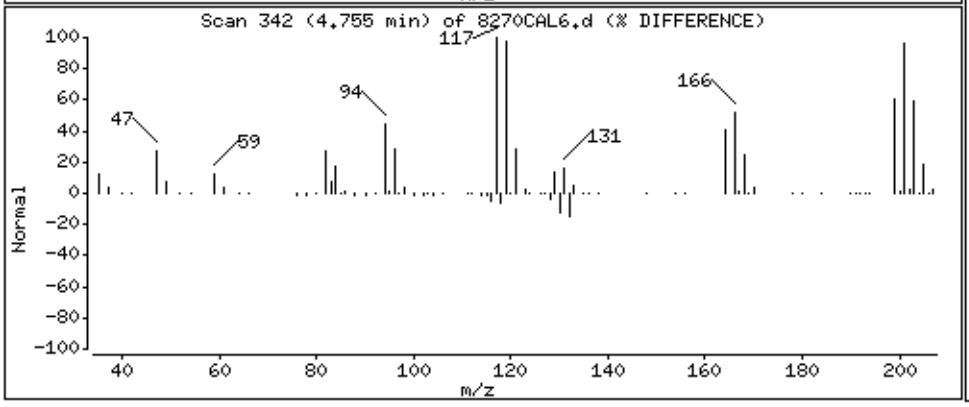












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

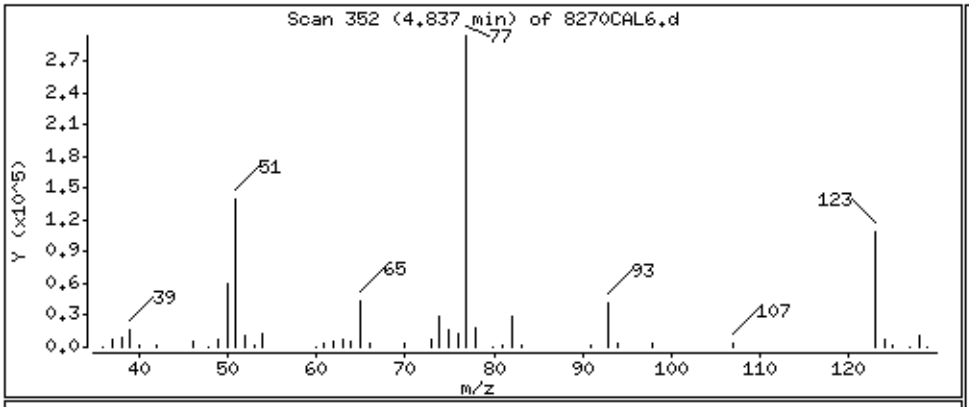
Operator: MJ

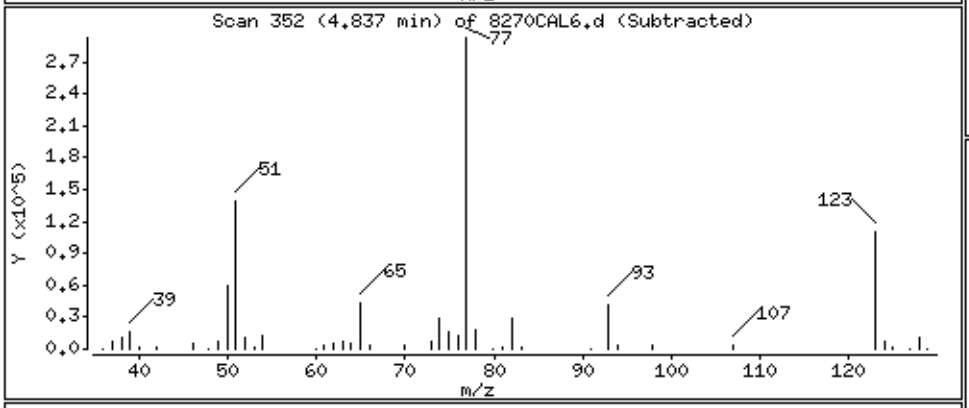
Column phase: HPMS-5

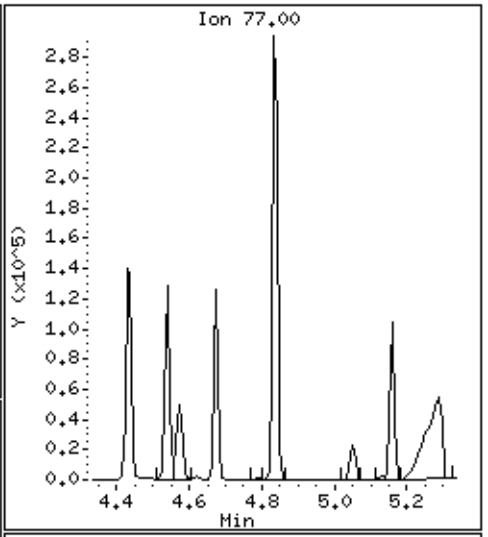
Column diameter: 0.25

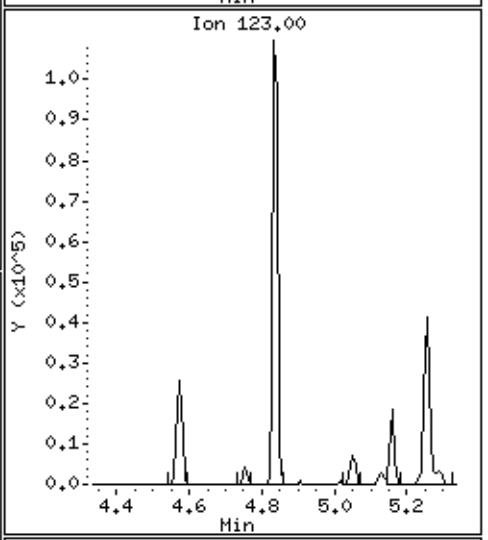
32 Nitrobenzene

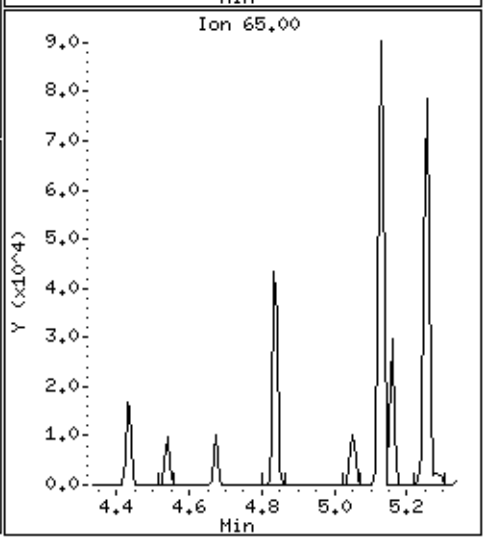
Concentration: 73.5 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

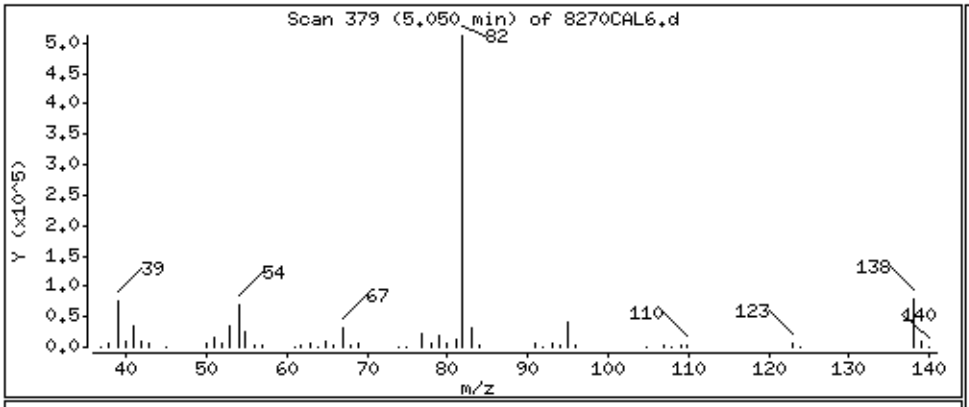
Operator: MJ

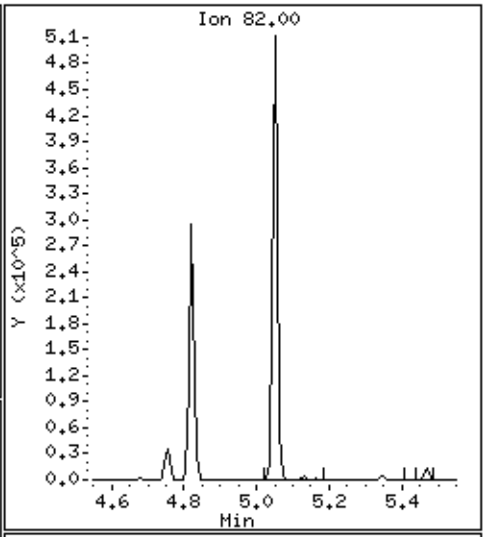
Column phase: HPMS-5

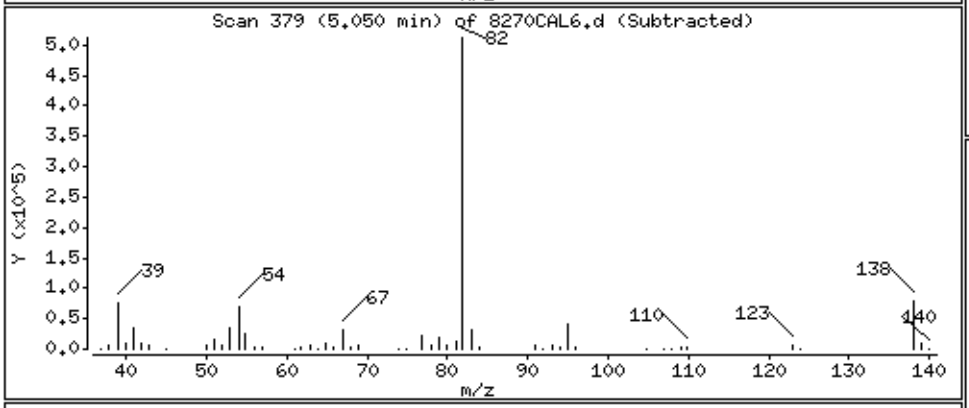
Column diameter: 0.25

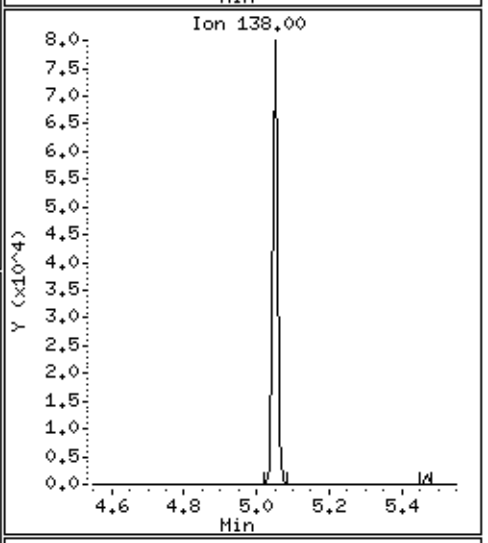
34 Isophorone

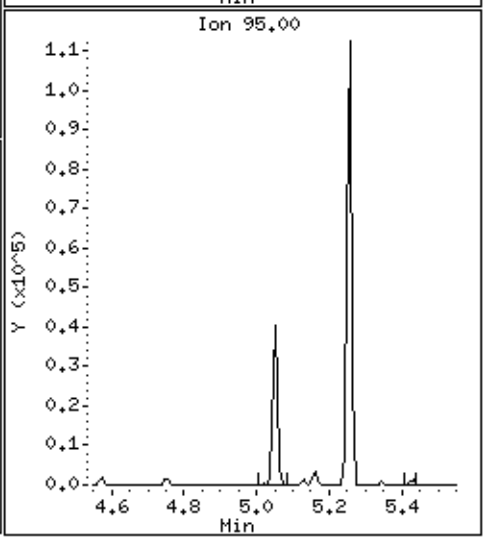
Concentration: 73.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

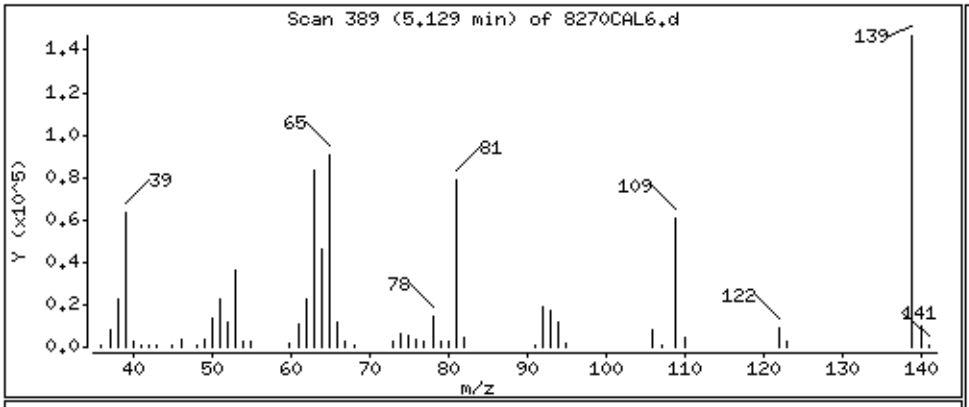
Operator: MJ

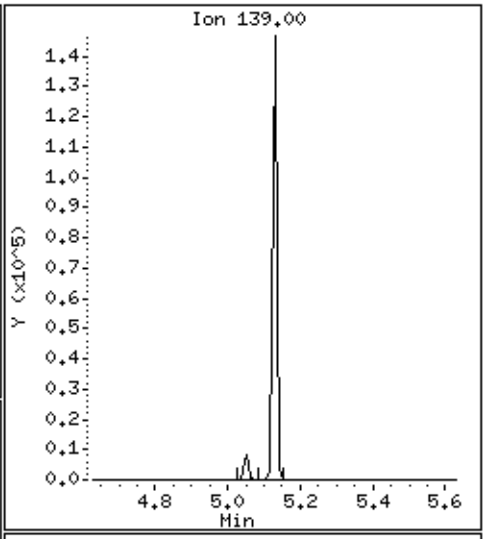
Column phase: HPMS-5

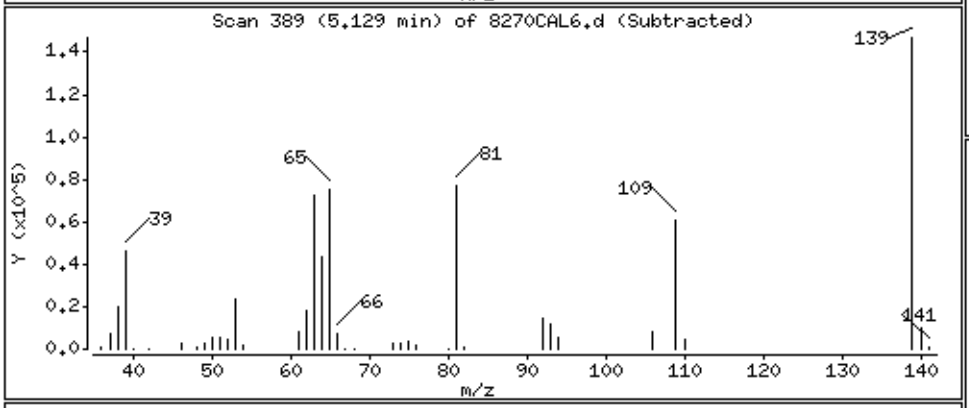
Column diameter: 0.25

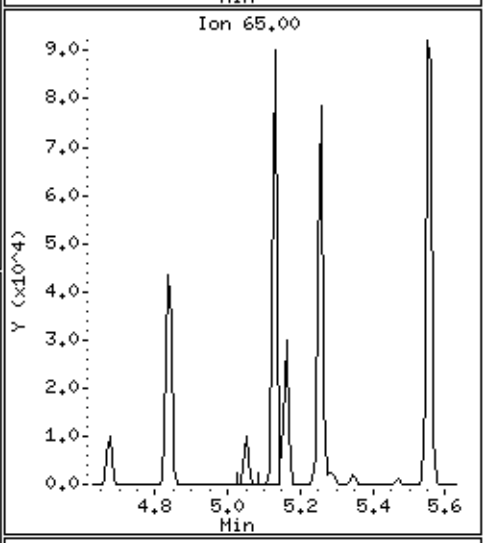
35 2-Nitrophenol

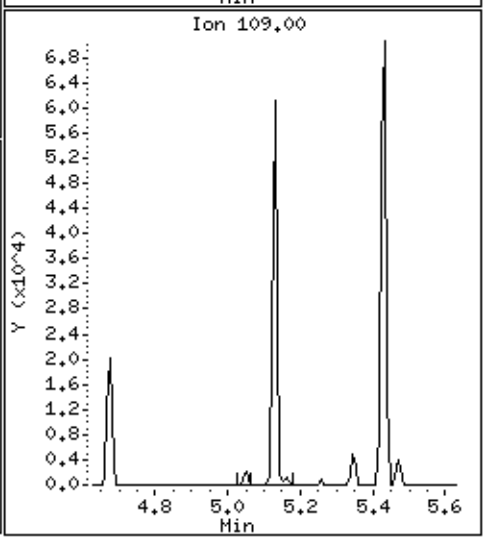
Concentration: 75.1 ug/kg











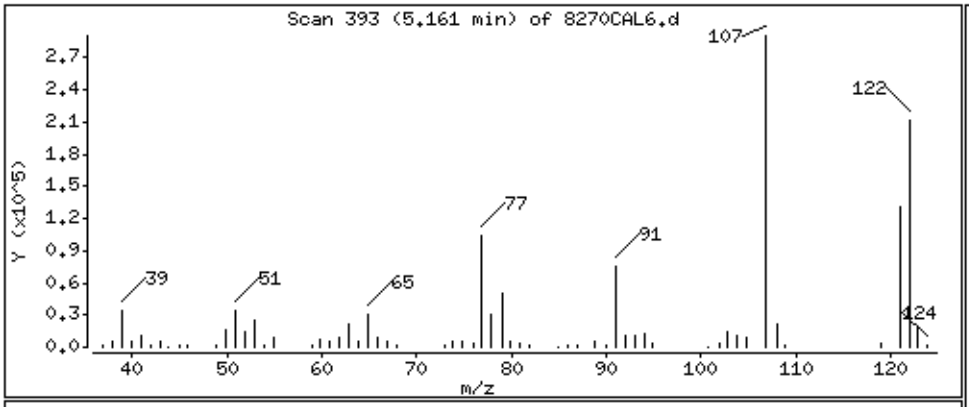
Date : 14-NOV-2012 23:01

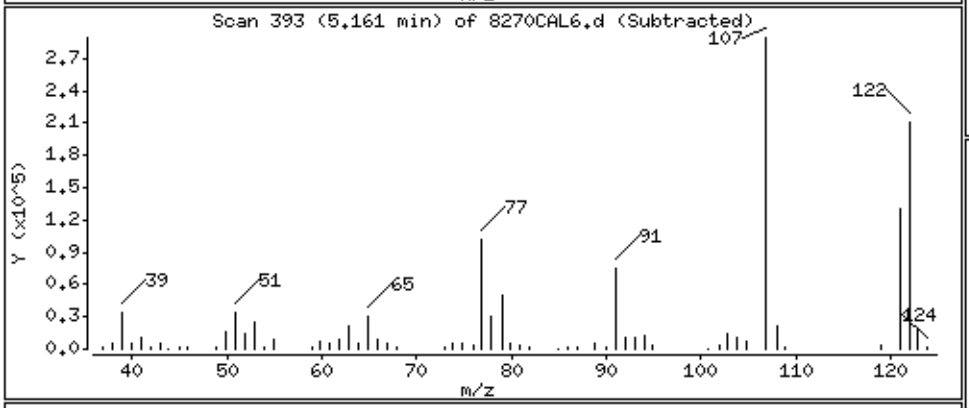
Client ID: 8270CAL6 Instrument: smsd04.i

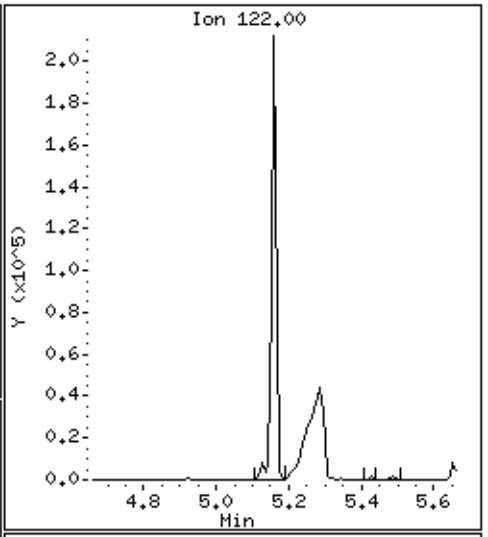
Sample Info: 47764 Operator: MJ

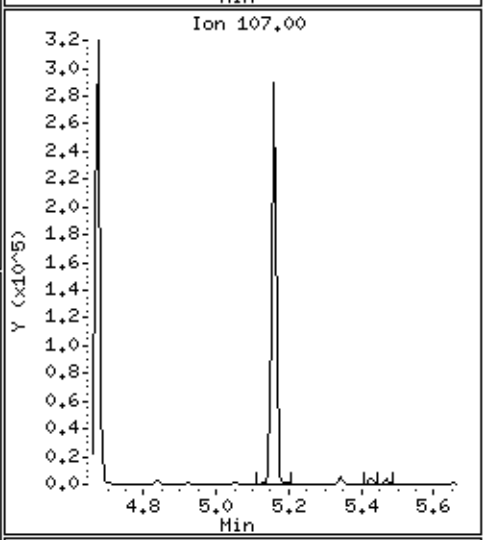
Column phase: HPMS-5 Column diameter: 0.25

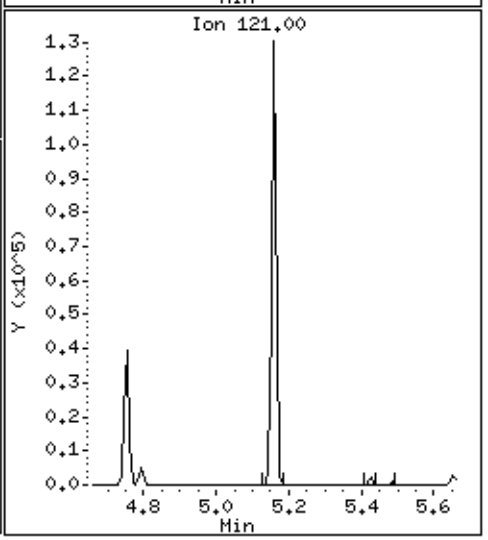
36 2,4-Dimethylphenol Concentration: 75.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

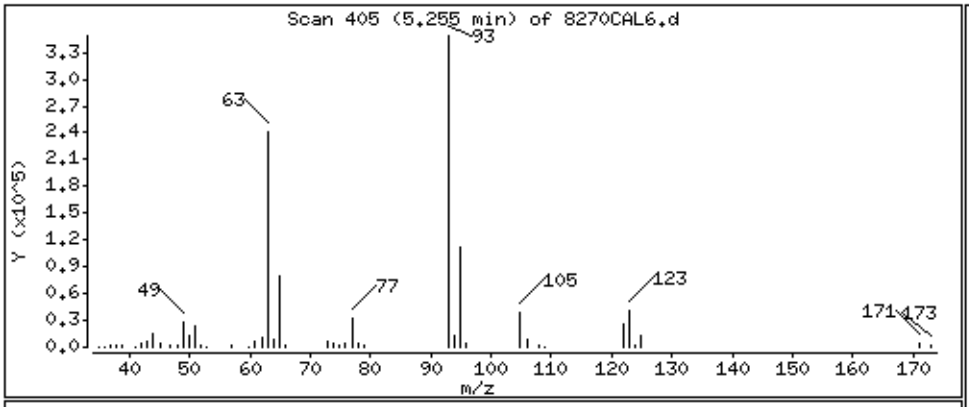
Operator: MJ

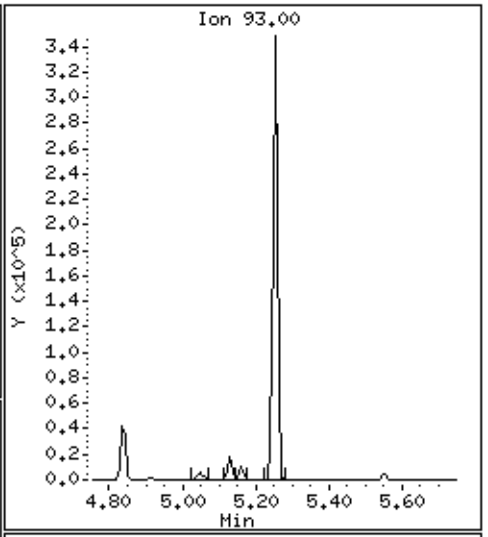
Column phase: HPMS-5

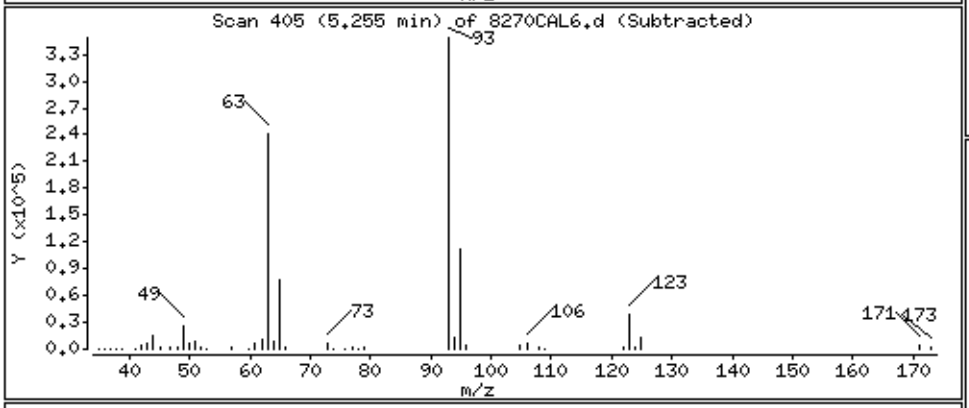
Column diameter: 0.25

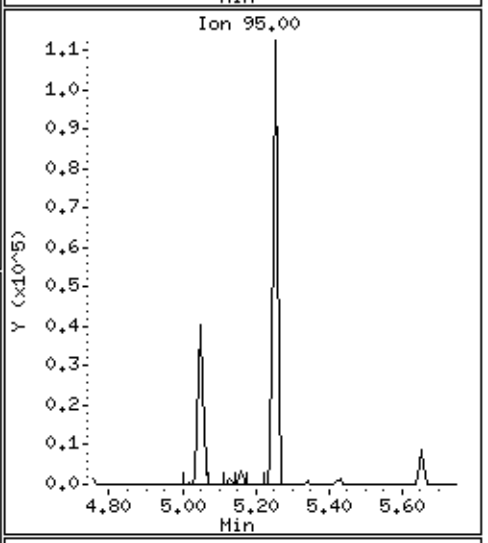
38 Bis(2-Chloroethoxy)methane

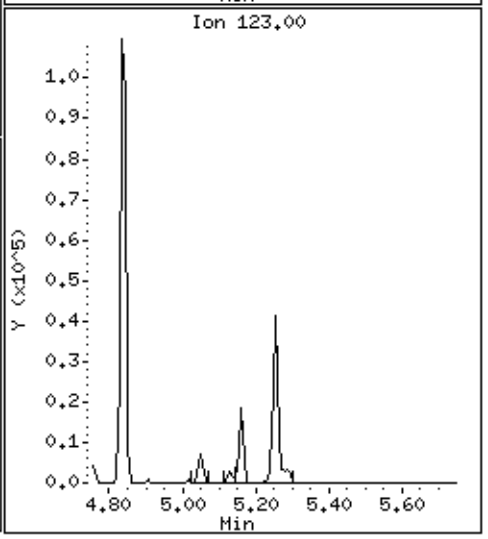
Concentration: 74.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

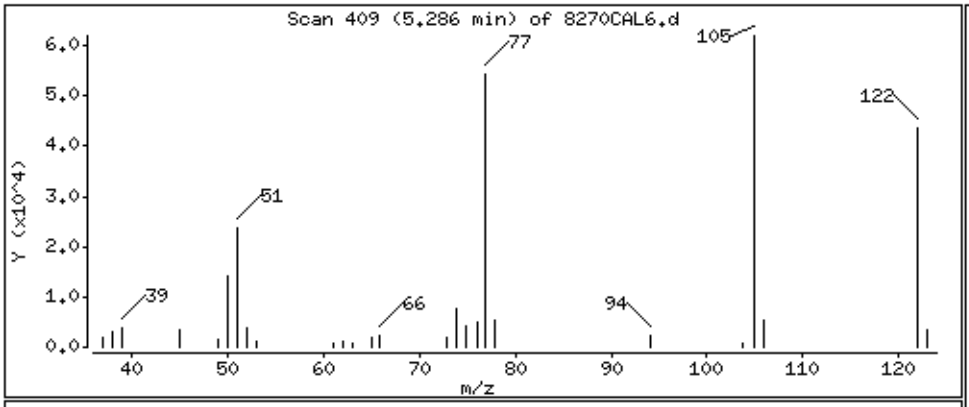
Operator: MJ

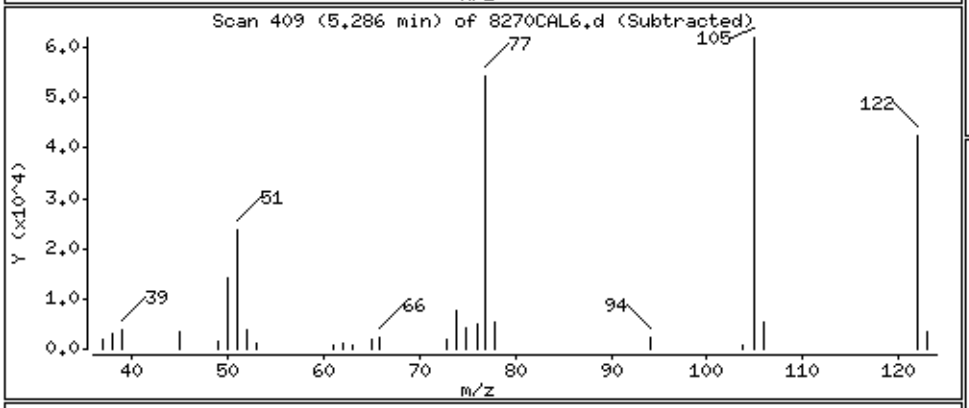
Column phase: HPMS-5

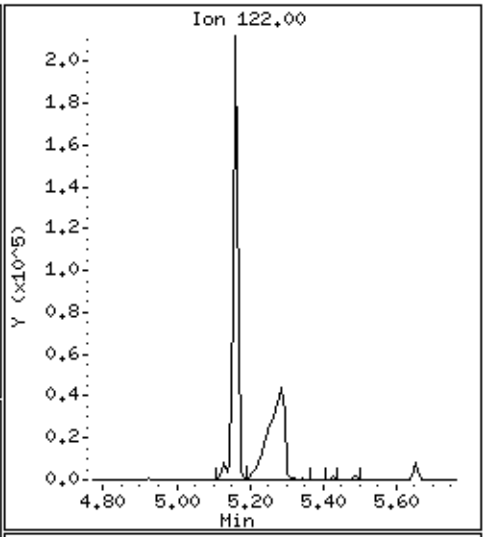
Column diameter: 0.25

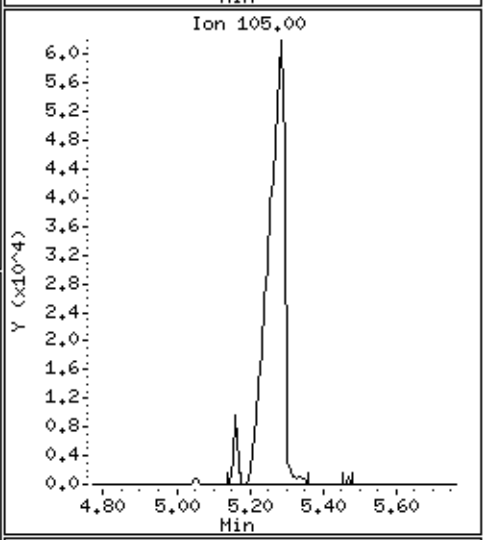
40 Benzoic Acid

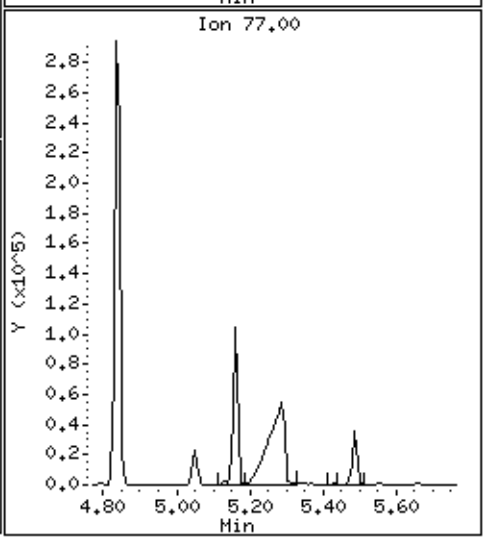
Concentration: 74.4 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

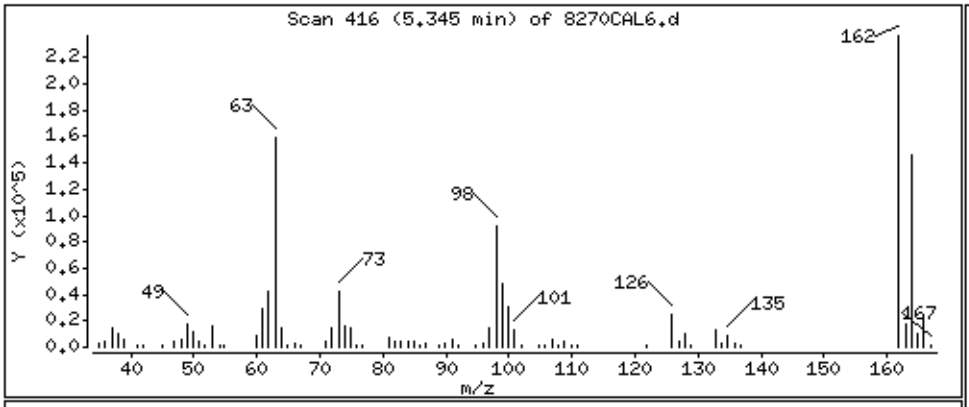
Operator: MJ

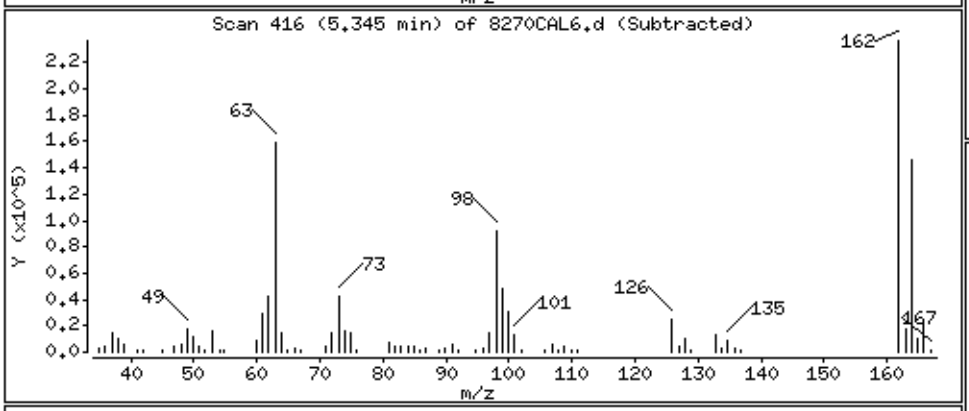
Column phase: HPMS-5

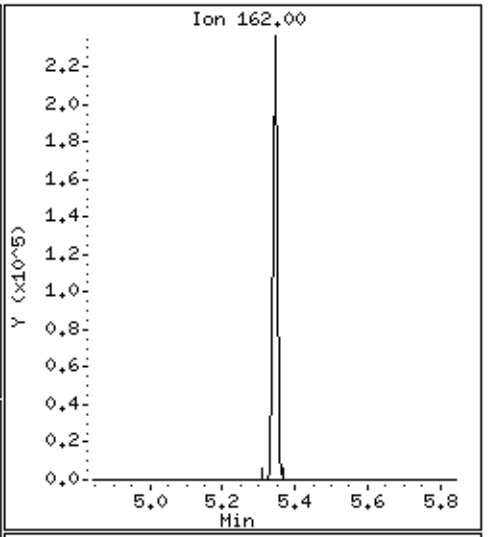
Column diameter: 0.25

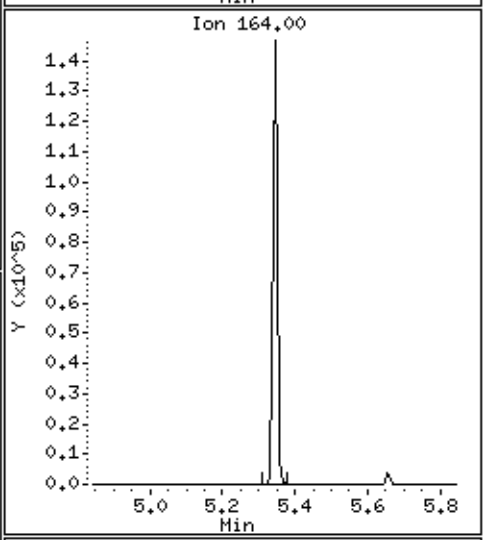
41 2,4-Dichlorophenol

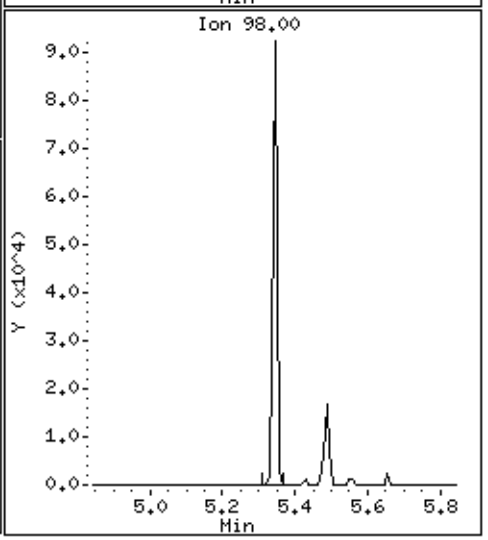
Concentration: 72.7 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

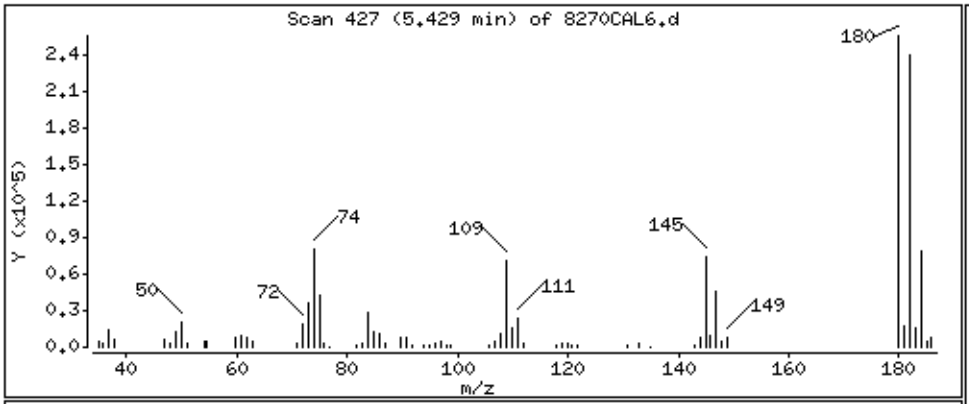
Operator: MJ

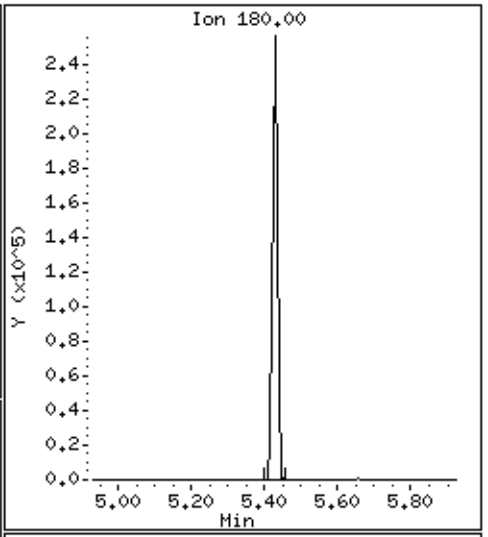
Column phase: HPMS-5

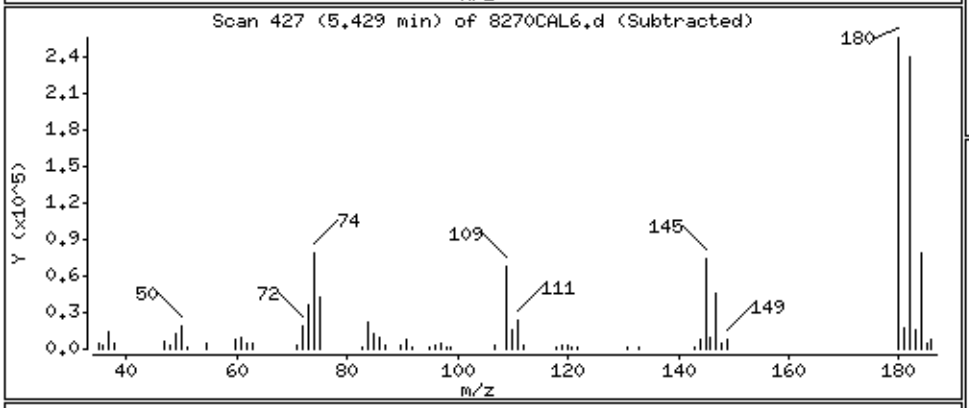
Column diameter: 0.25

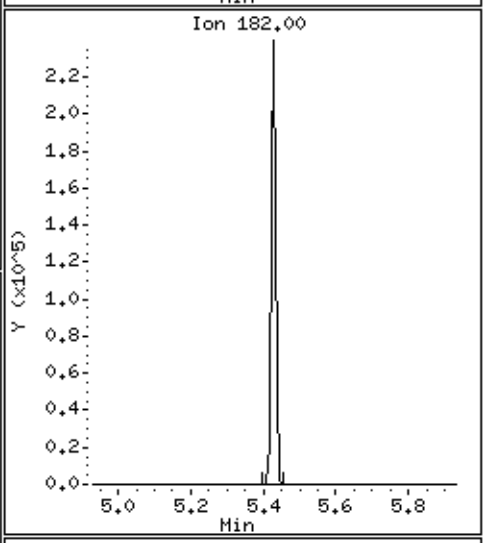
42 1,2,4-Trichlorobenzene

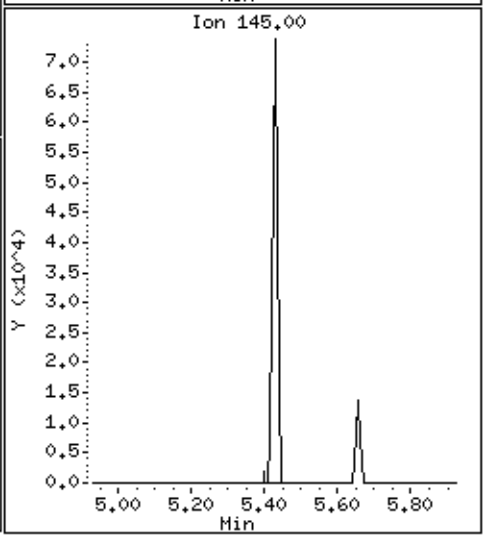
Concentration: 73.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

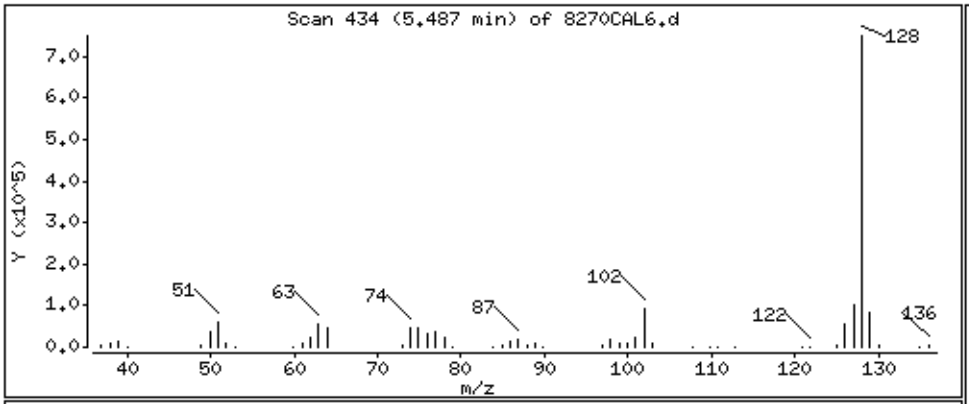
Operator: MJ

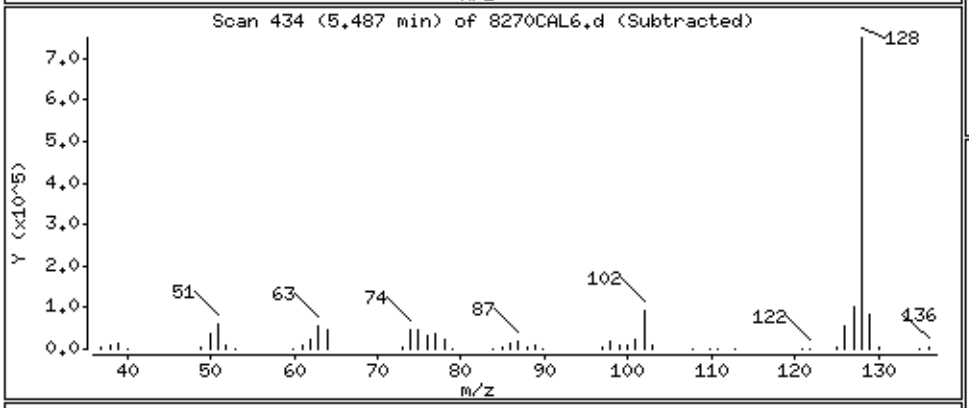
Column phase: HPMS-5

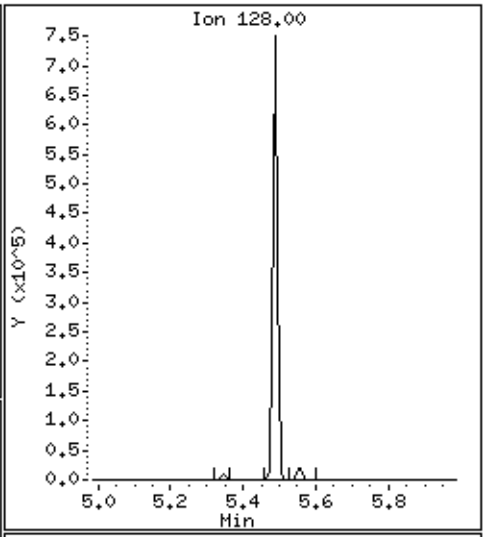
Column diameter: 0.25

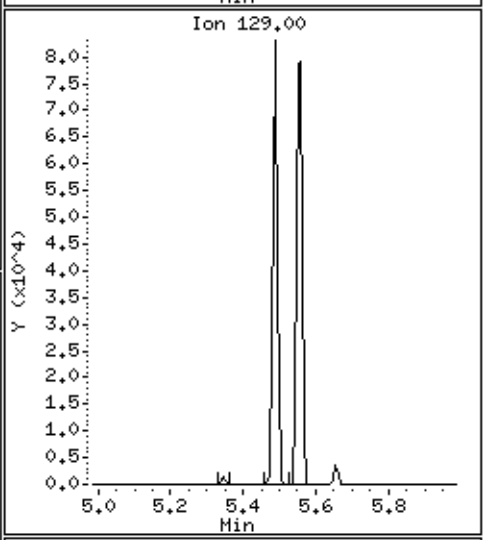
44 Naphthalene

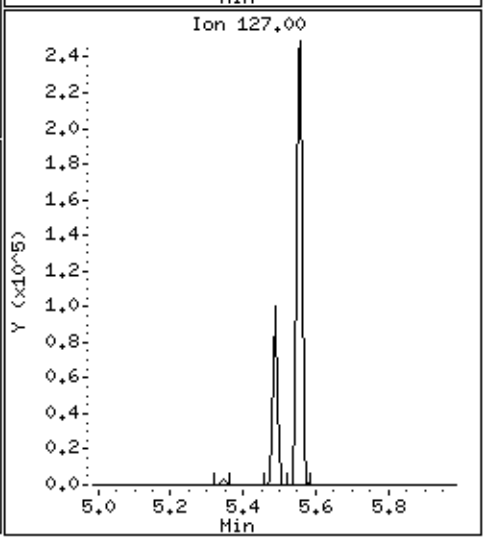
Concentration: 72.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

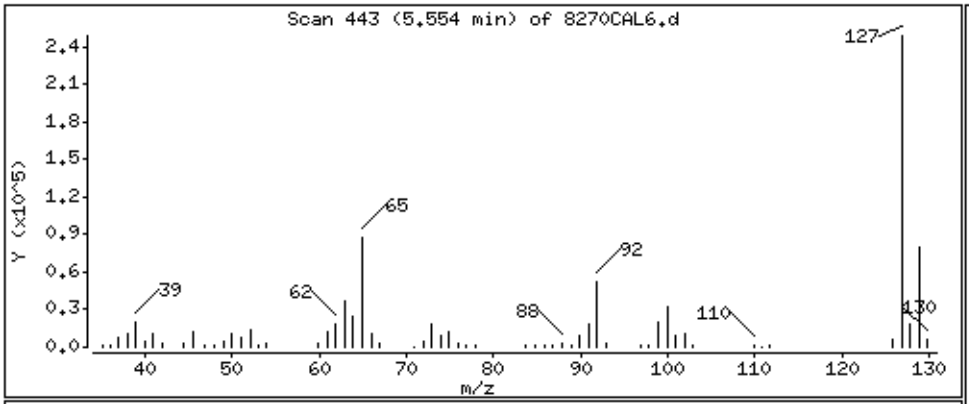
Operator: MJ

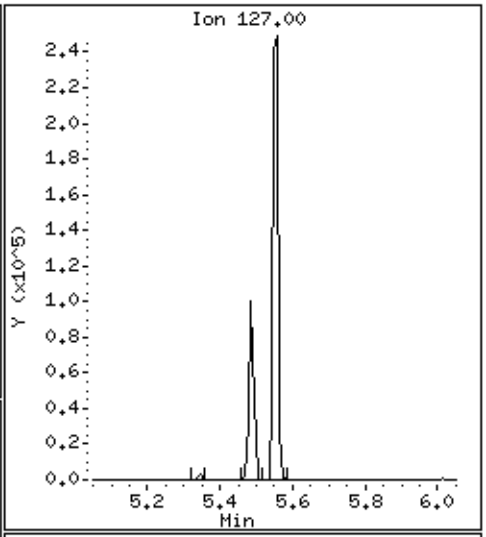
Column phase: HPMS-5

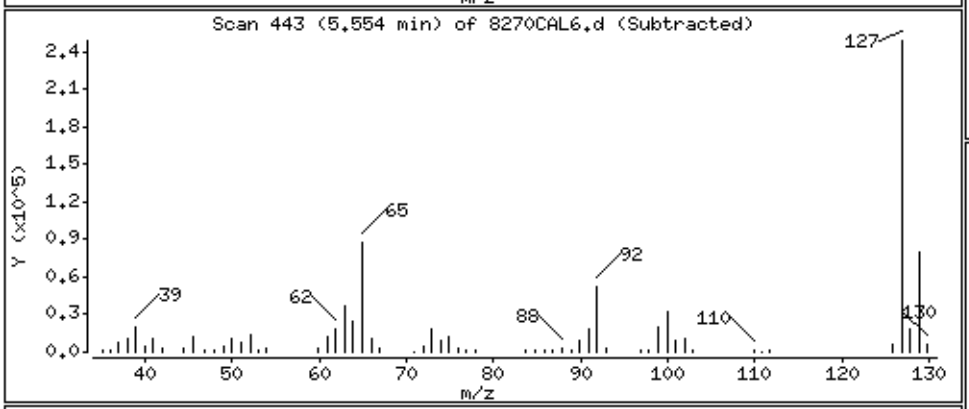
Column diameter: 0.25

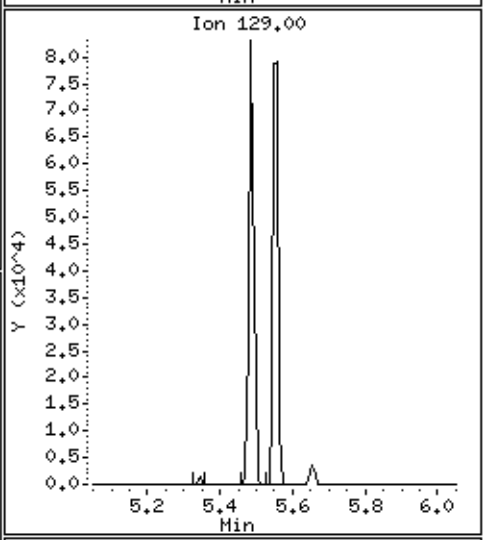
45 4-Chloroaniline

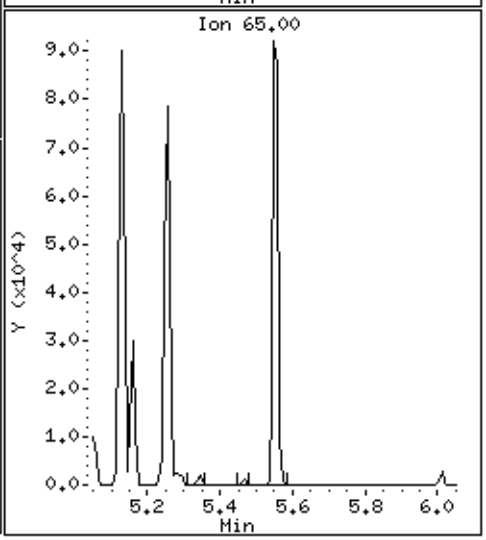
Concentration: 73.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

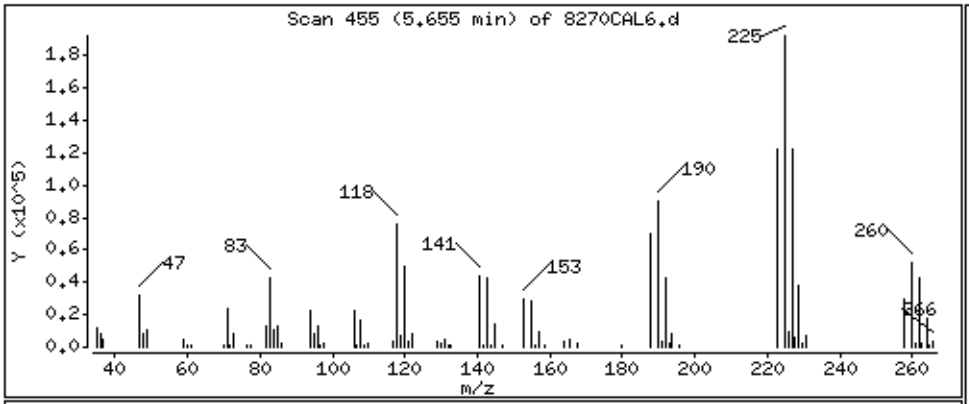
Operator: MJ

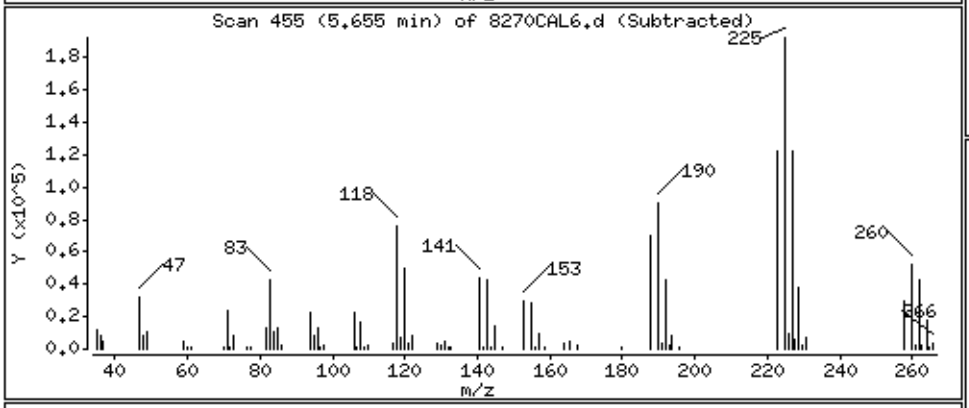
Column phase: HPMS-5

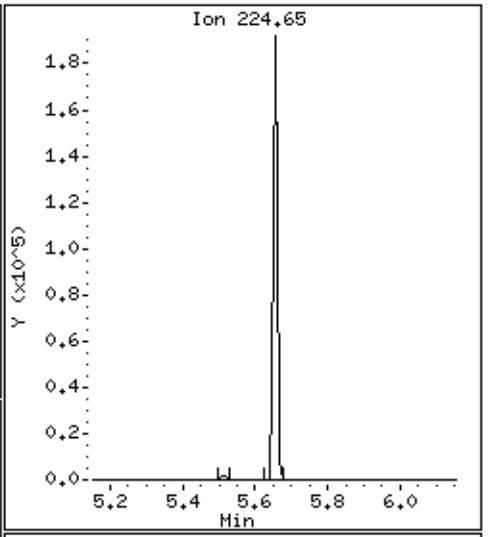
Column diameter: 0.25

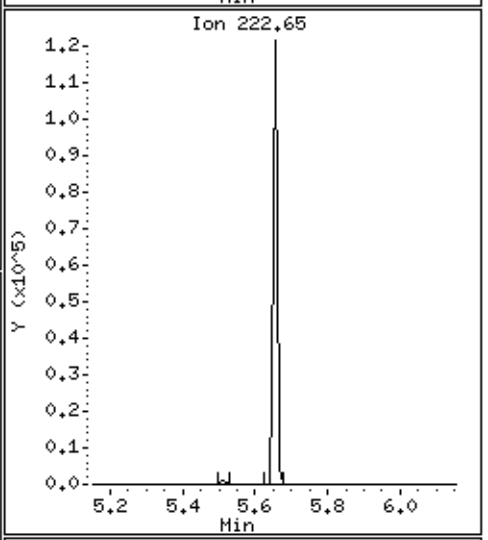
48 Hexachlorobutadiene

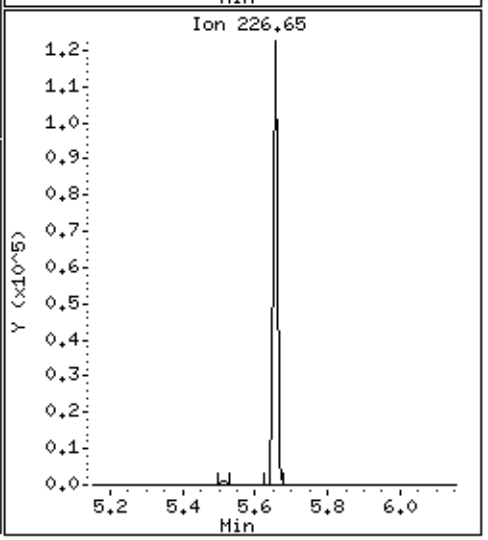
Concentration: 72.3 ug/kg











Date : 14-NOV-2012 23:01

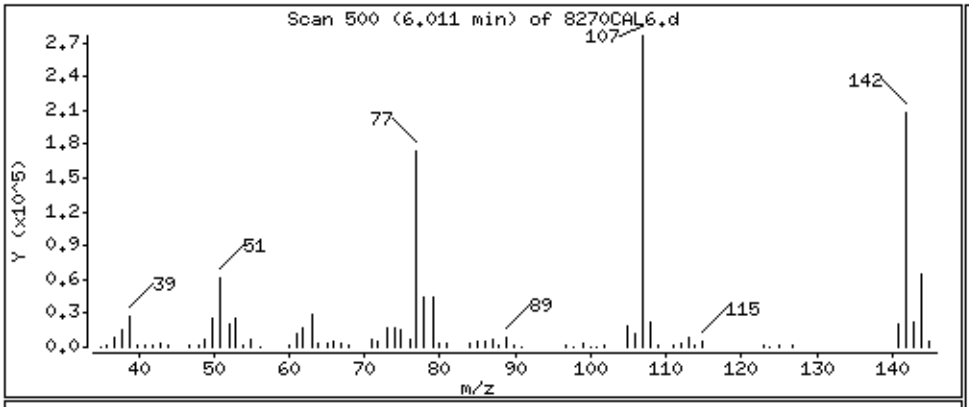
Client ID: 8270CAL6 Instrument: smsd04.i

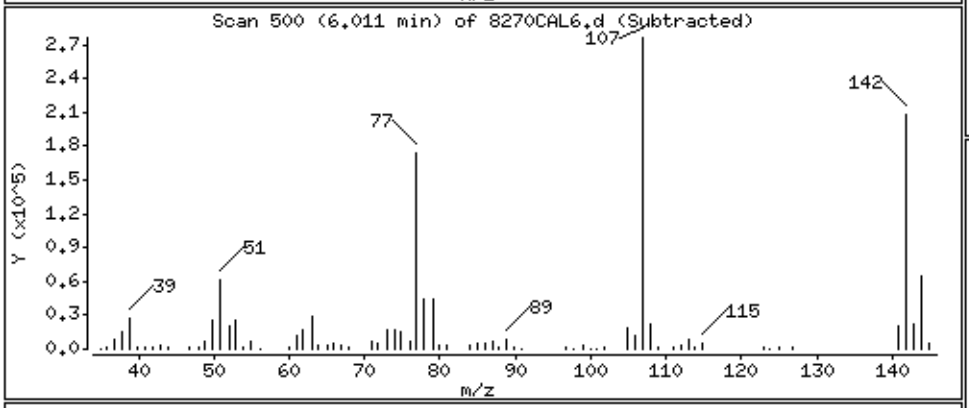
Sample Info: 47764

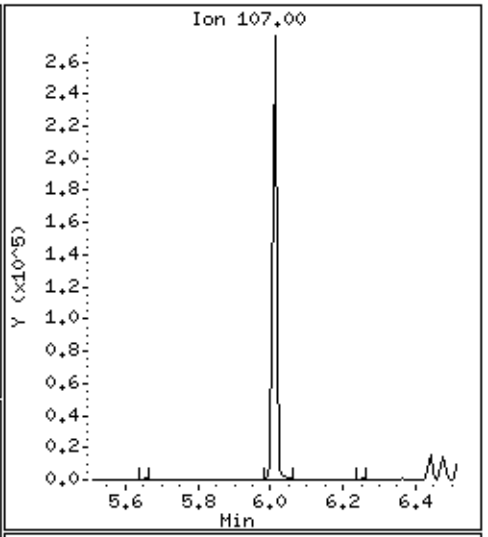
Operator: MJ

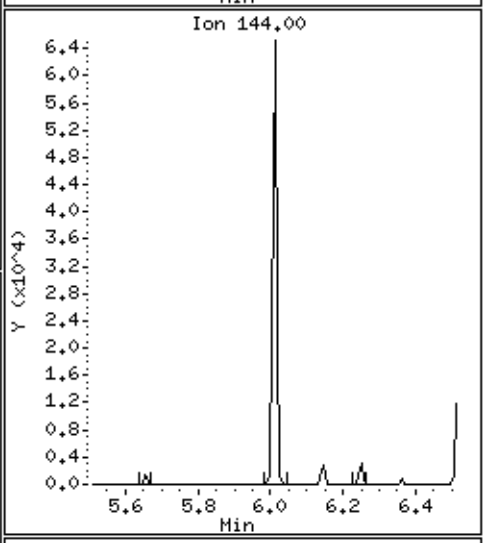
Column phase: HPMS-5 Column diameter: 0.25

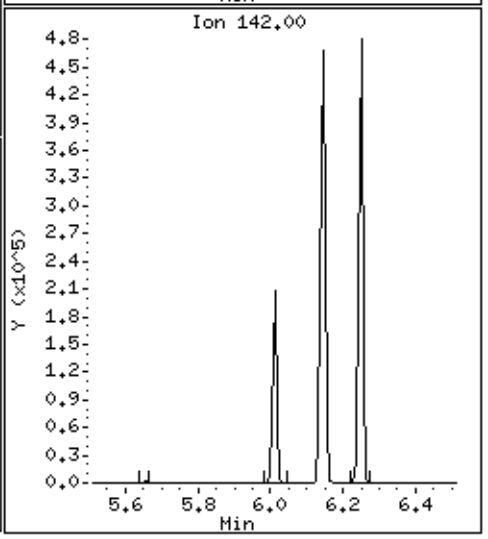
51 4-Chloro-3-methylphenol Concentration: 71.2 ug/kg











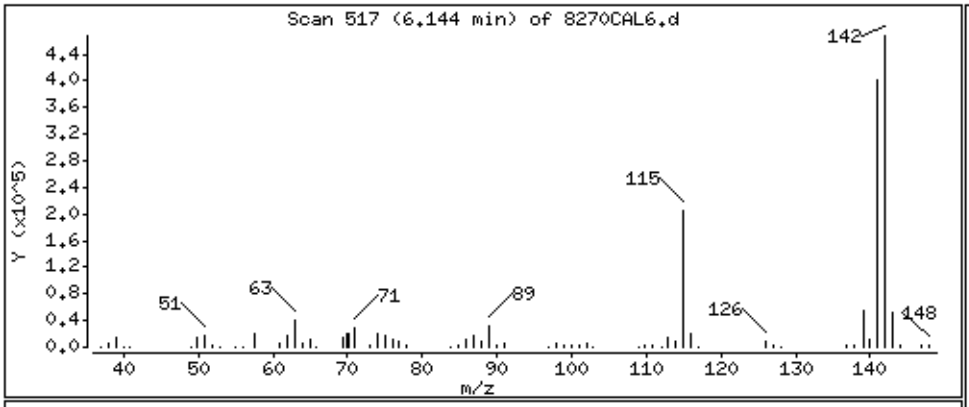
Date : 14-NOV-2012 23:01

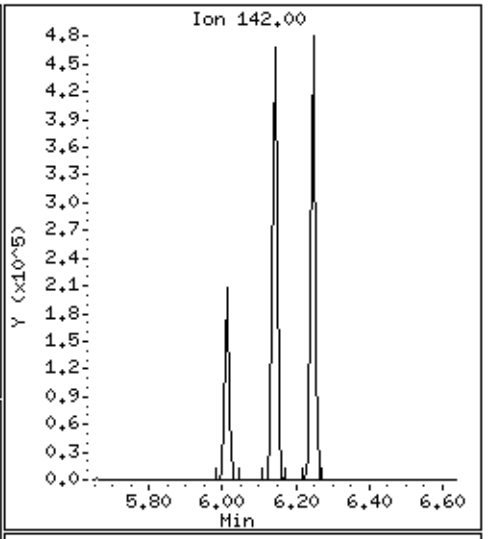
Client ID: 8270CAL6 Instrument: smsd04.i

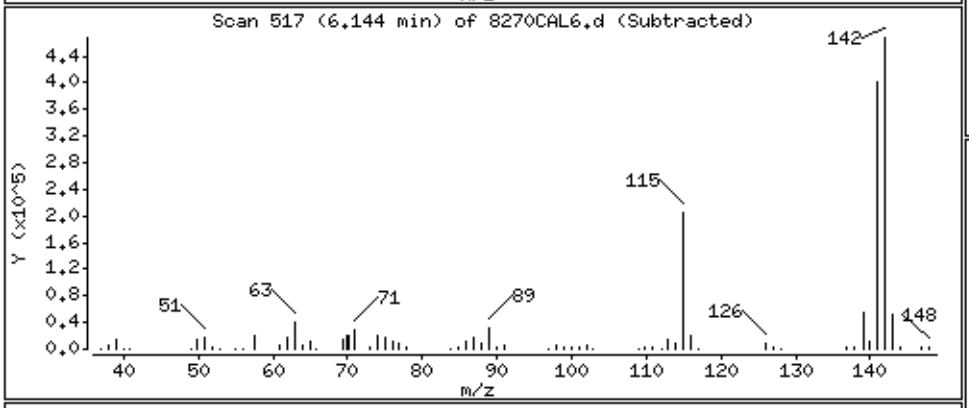
Sample Info: 47764 Operator: MJ

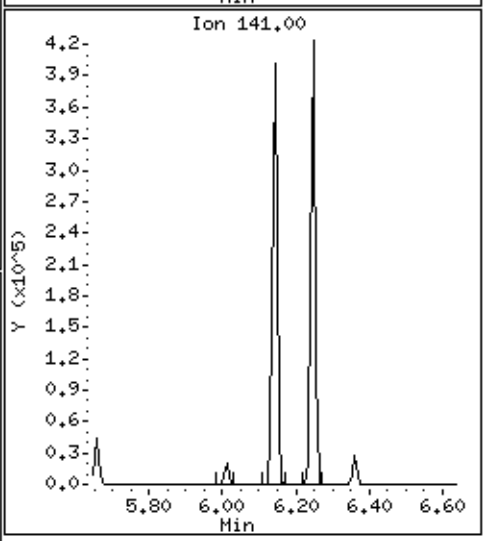
Column phase: HPMS-5 Column diameter: 0.25

53 2-Methylnaphthalene Concentration: 72.7 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

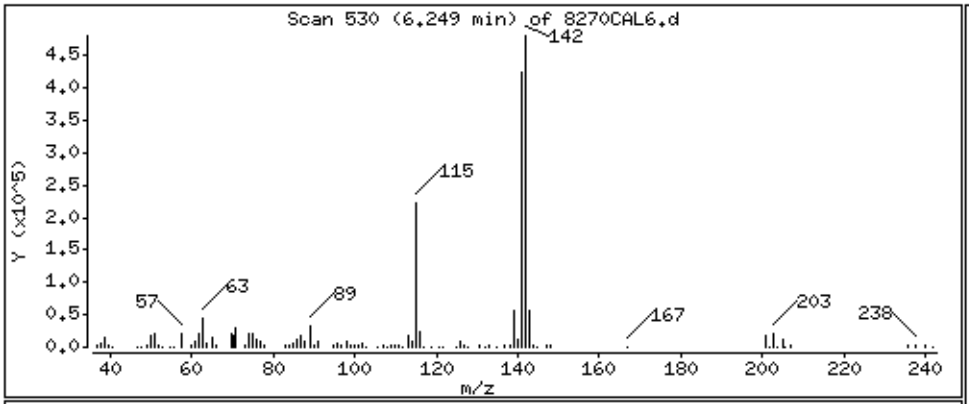
Operator: MJ

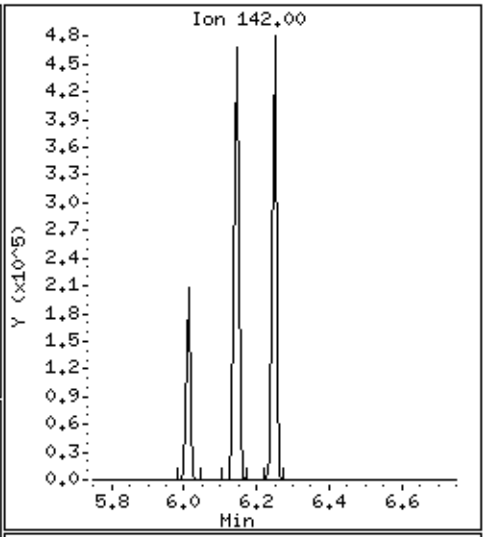
Column phase: HPMS-5

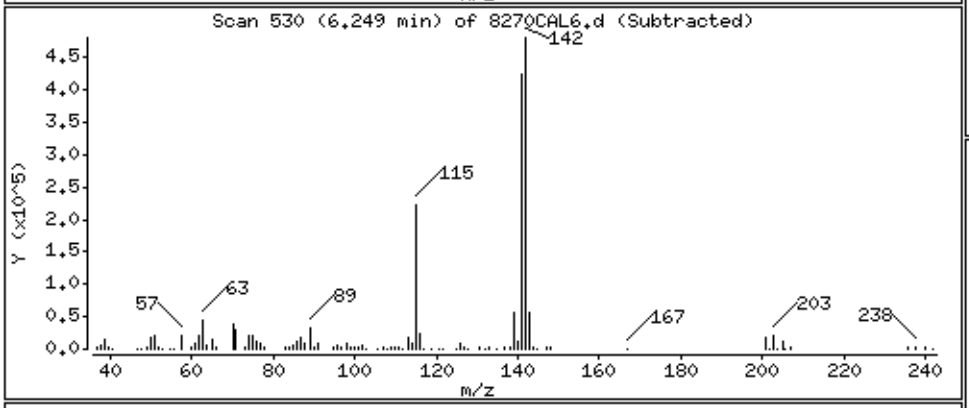
Column diameter: 0.25

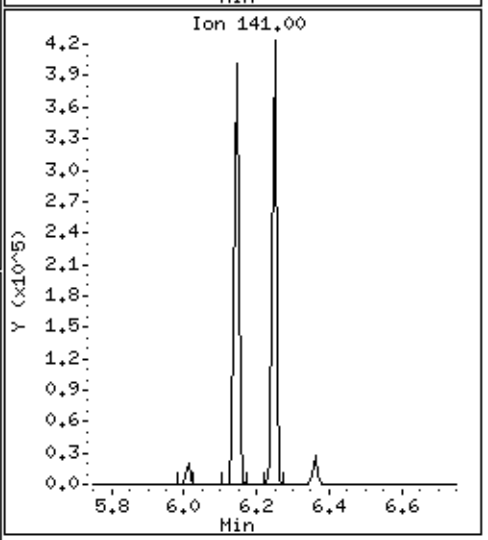
54 1-Methylnaphthalene

Concentration: 72.2 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

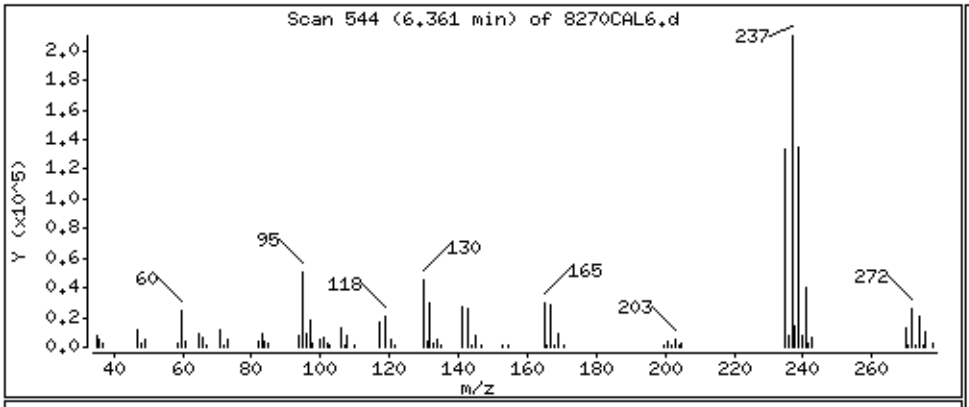
Operator: MJ

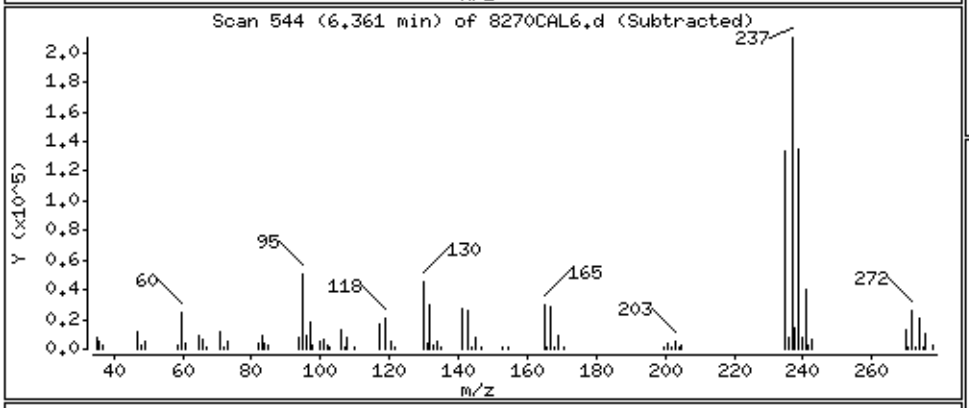
Column phase: HPMS-5

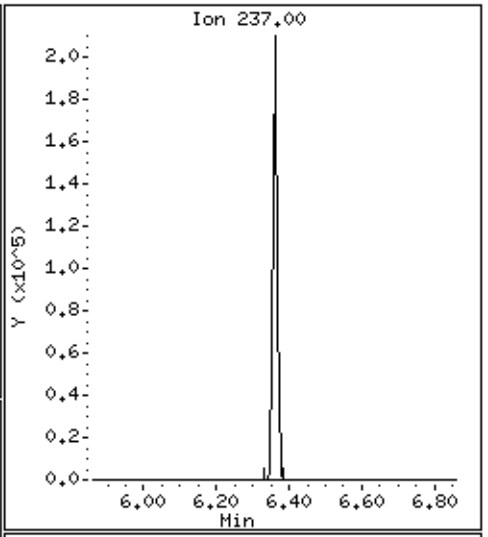
Column diameter: 0.25

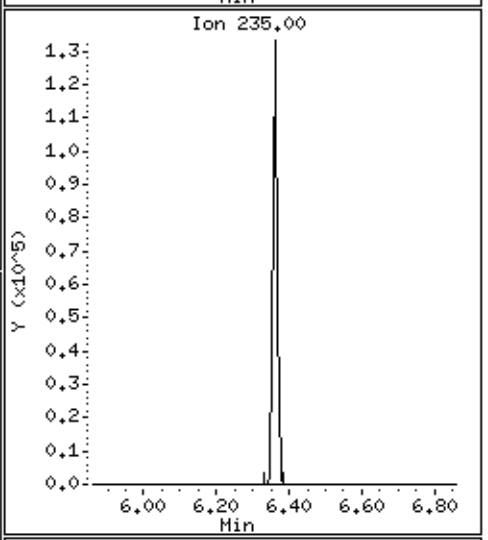
55 Hexachlorocyclopentadiene

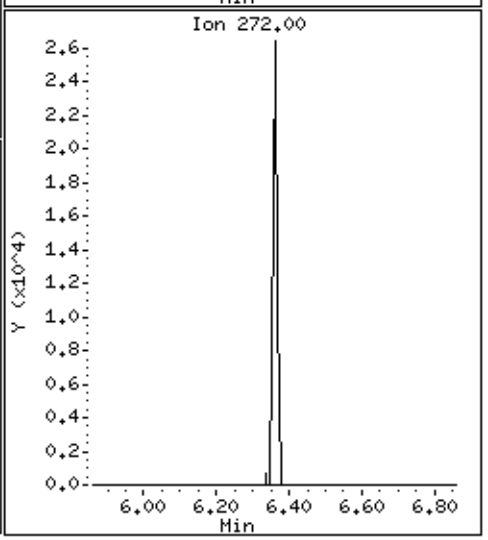
Concentration: 69.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

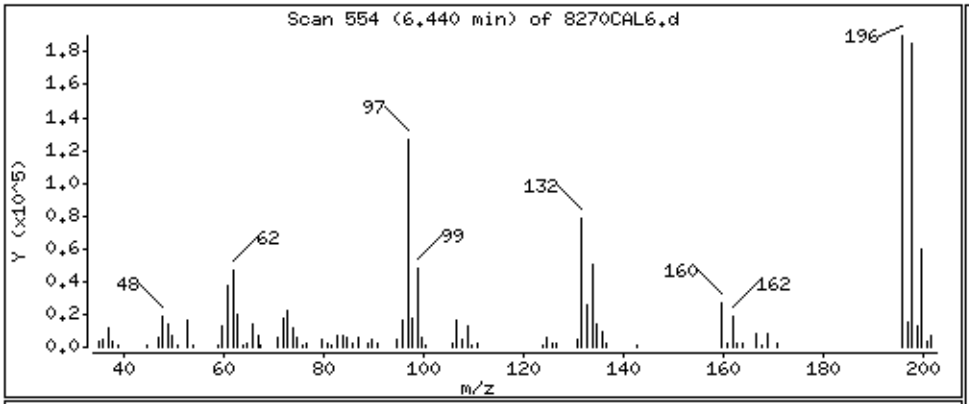
Operator: MJ

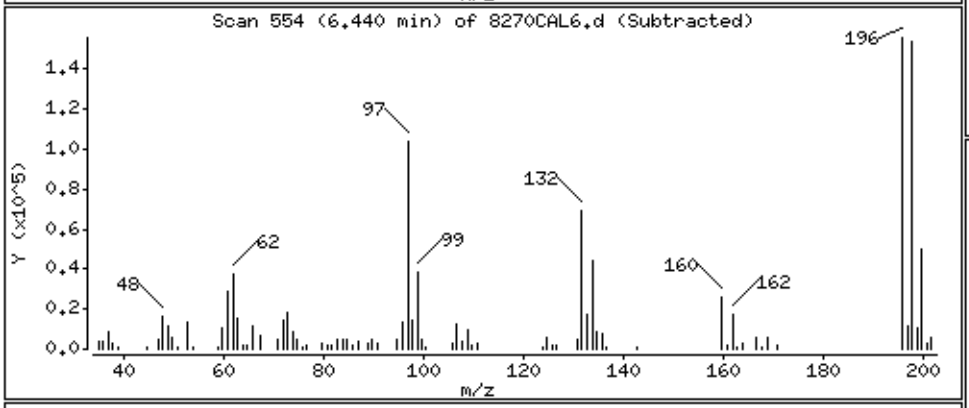
Column phase: HPMS-5

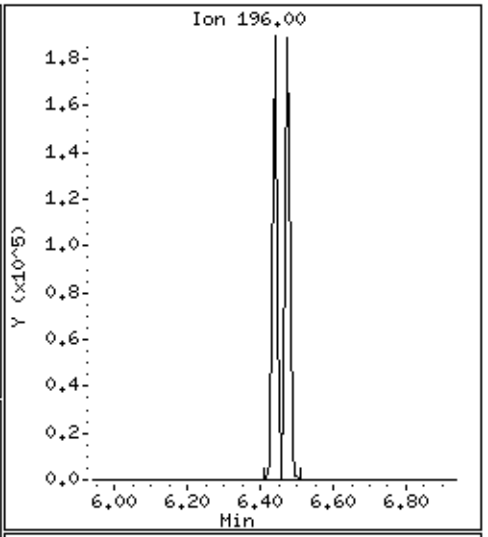
Column diameter: 0.25

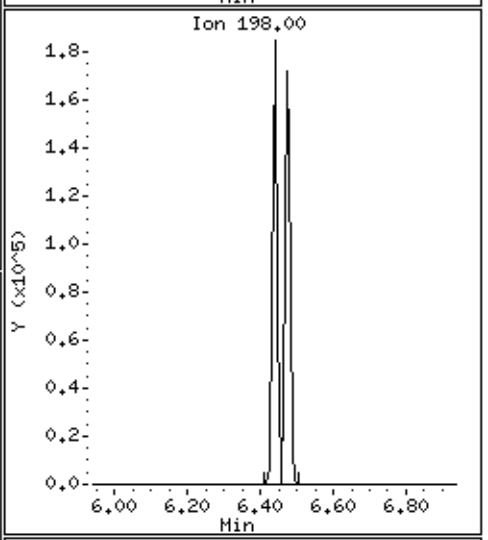
57 2,4,6-Trichlorophenol

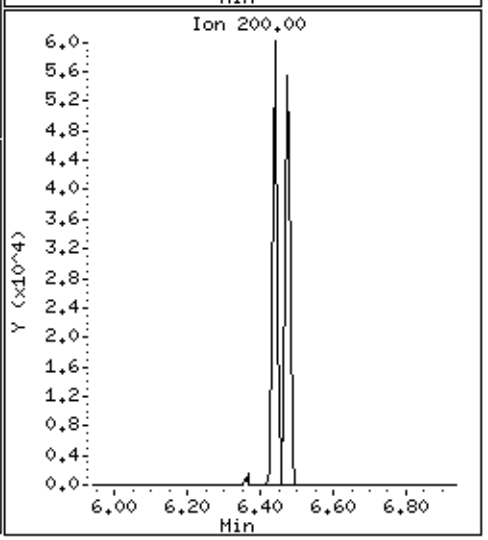
Concentration: 72.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

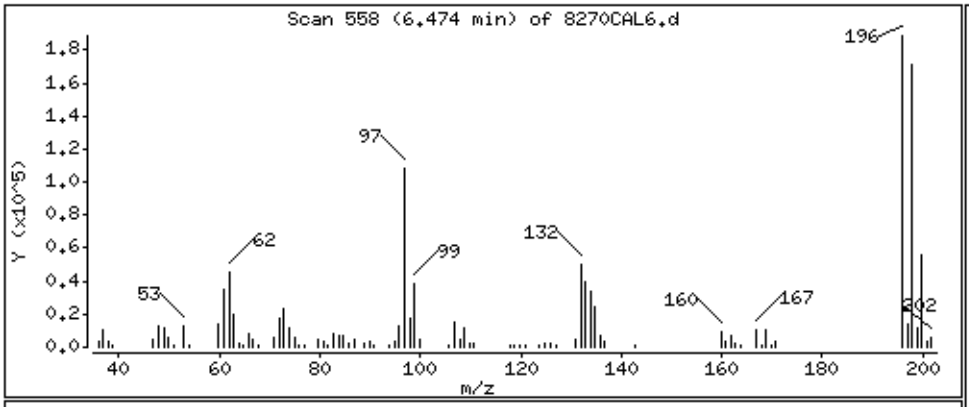
Operator: MJ

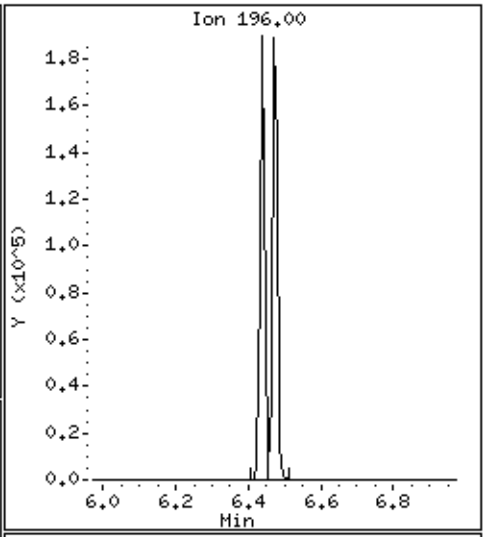
Column phase: HPMS-5

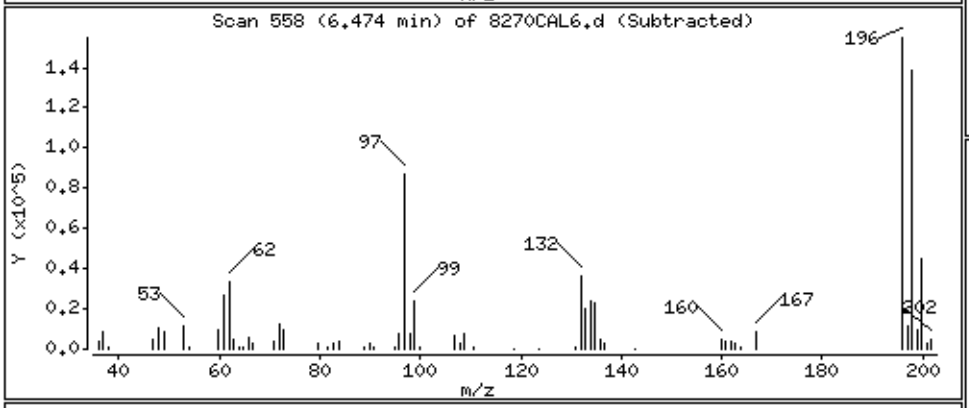
Column diameter: 0.25

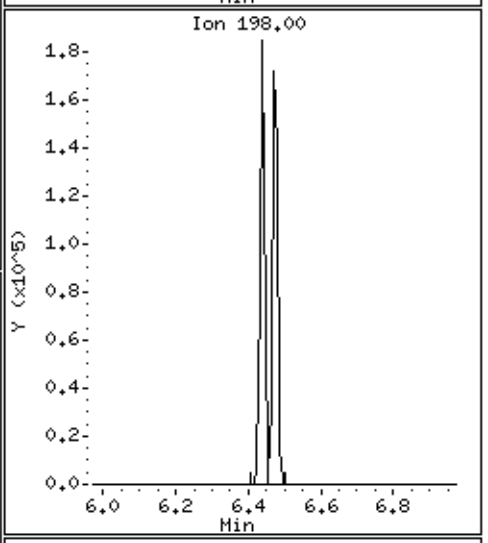
58 2,4,5-Trichlorophenol

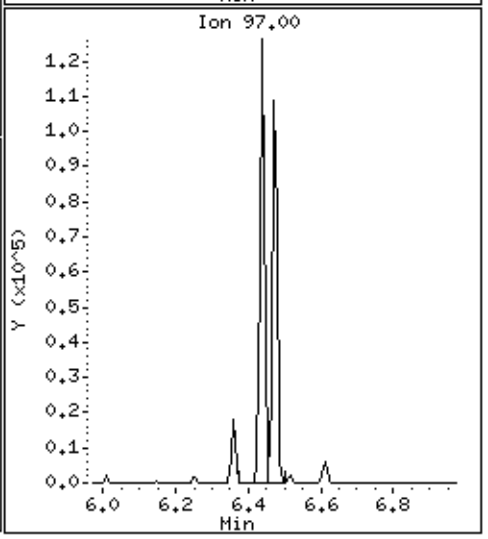
Concentration: 74.2 ug/kg











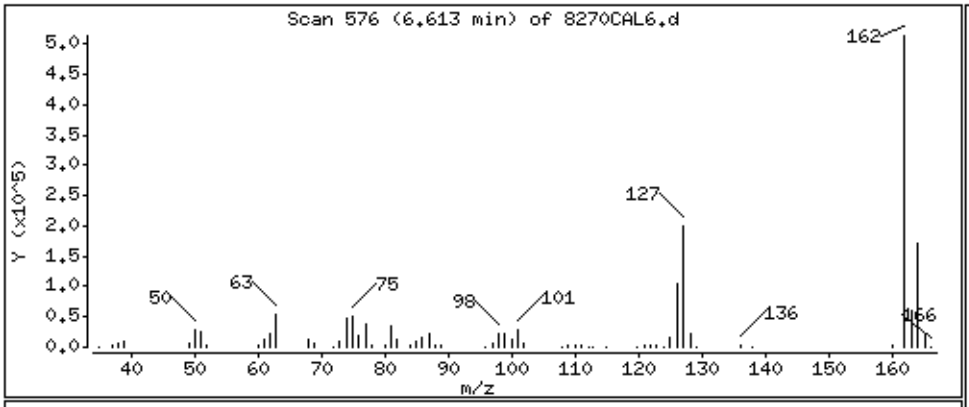
Date : 14-NOV-2012 23:01

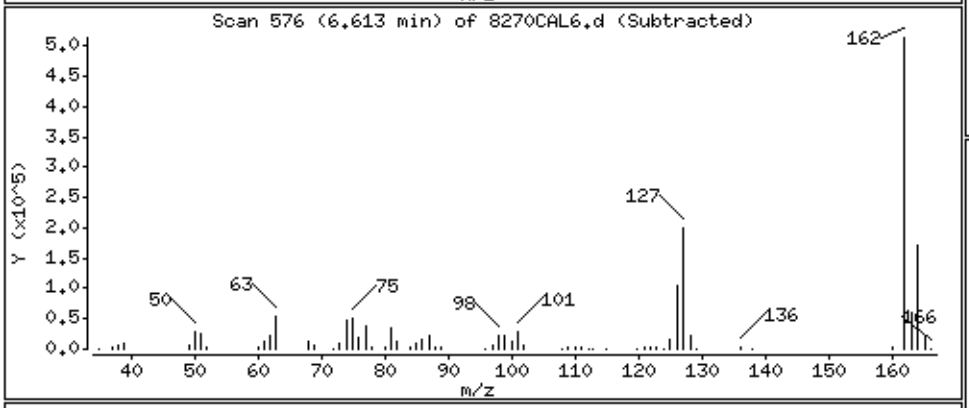
Client ID: 8270CAL6 Instrument: smsd04.i

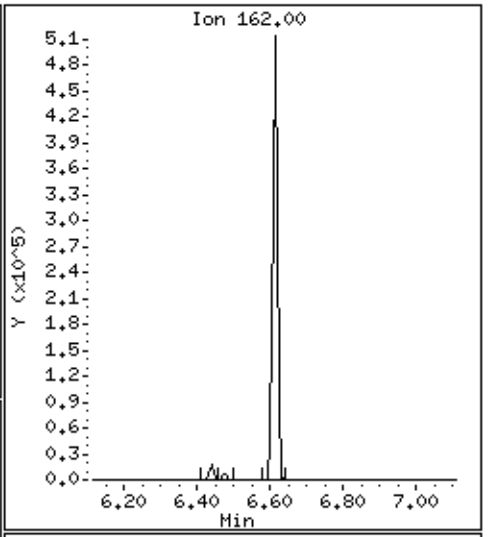
Sample Info: 47764 Operator: MJ

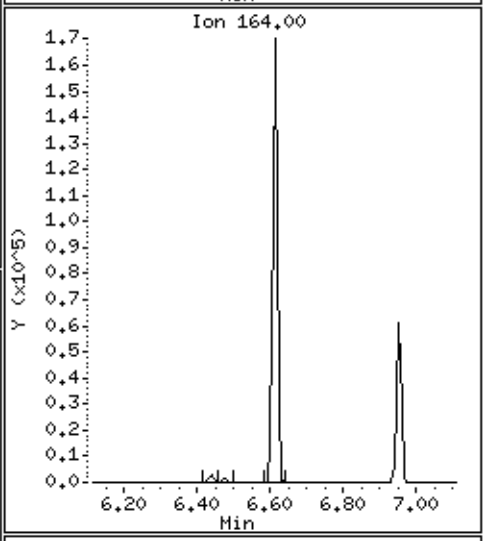
Column phase: HPMS-5 Column diameter: 0.25

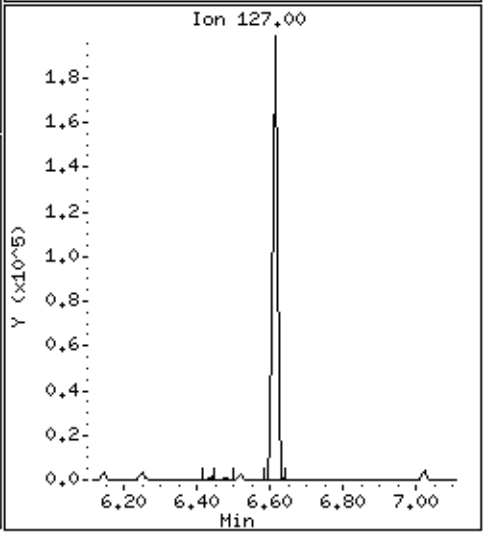
62 2-Chloronaphthalene Concentration: 72.1 ug/kg











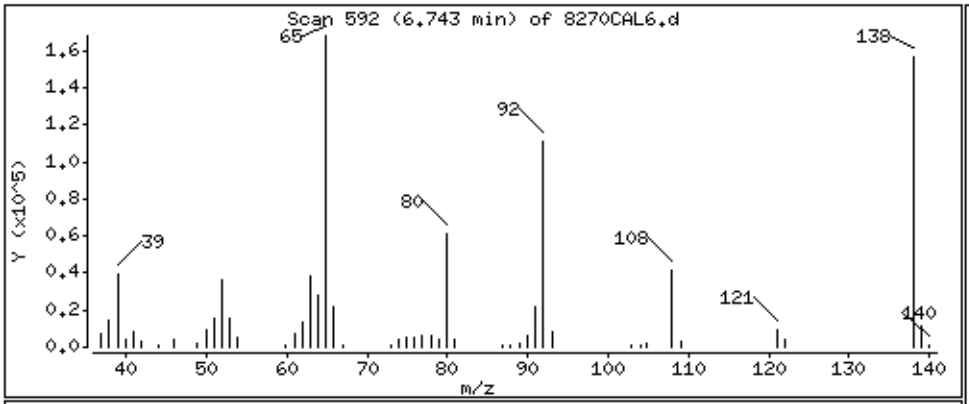
Date : 14-NOV-2012 23:01

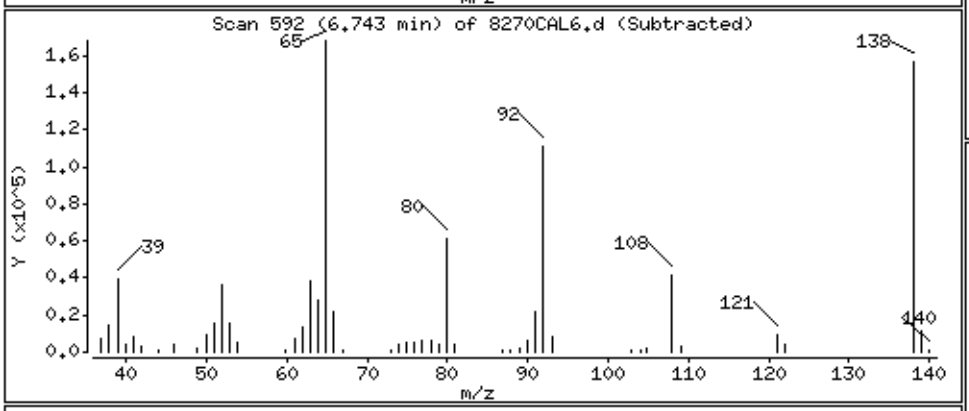
Client ID: 8270CAL6 Instrument: smsd04.i

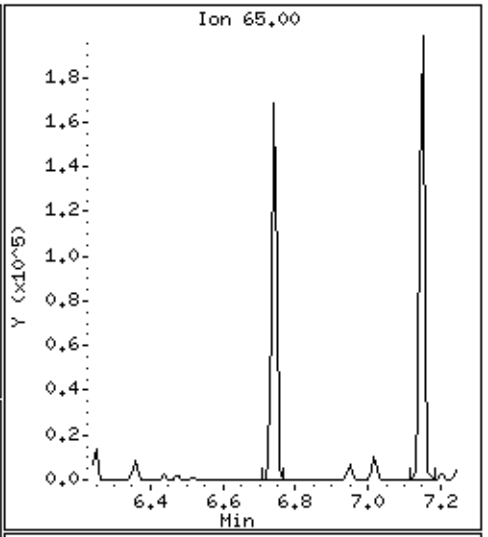
Sample Info: 47764 Operator: MJ

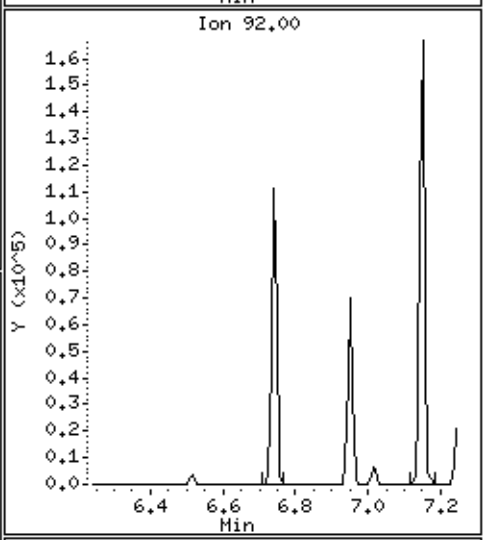
Column phase: HPMS-5 Column diameter: 0.25

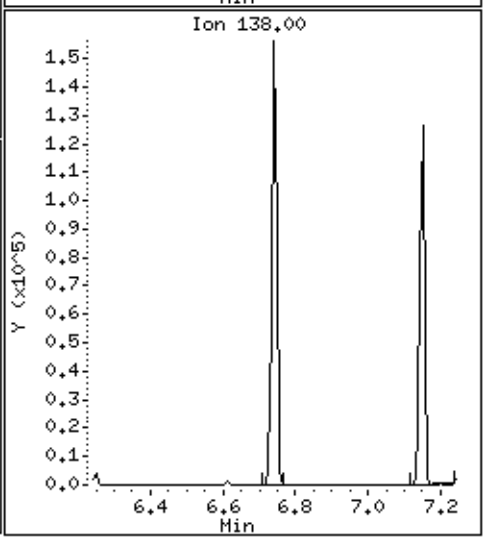
63 2-Nitroaniline Concentration: 73.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

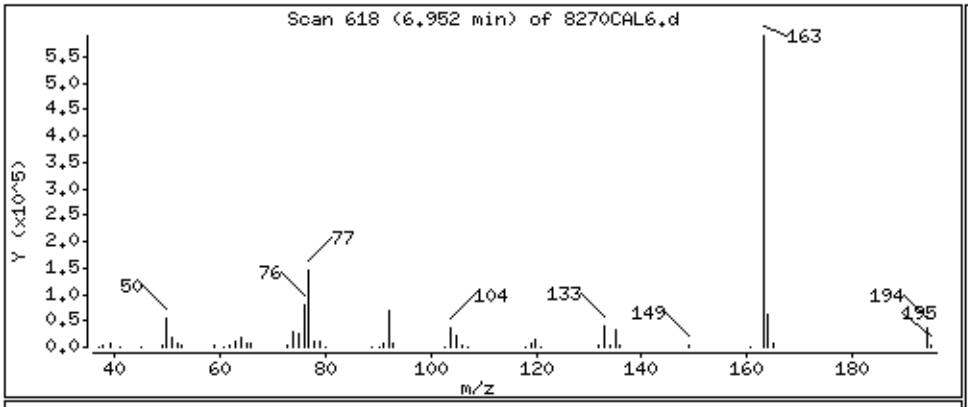
Operator: MJ

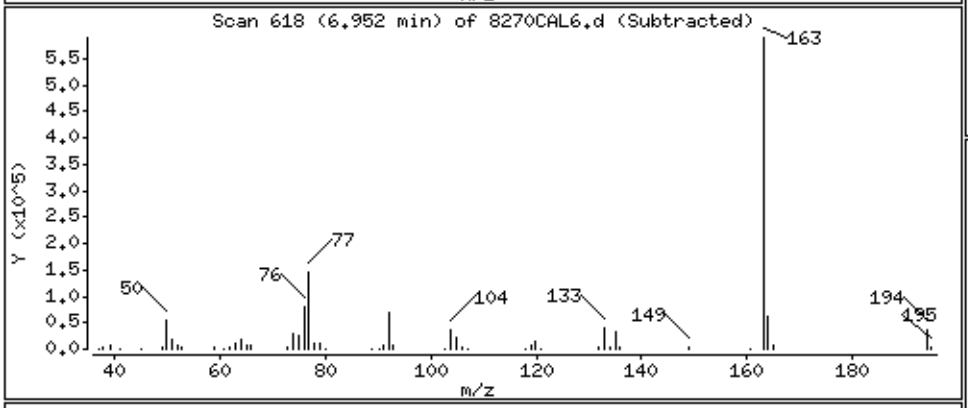
Column phase: HPMS-5

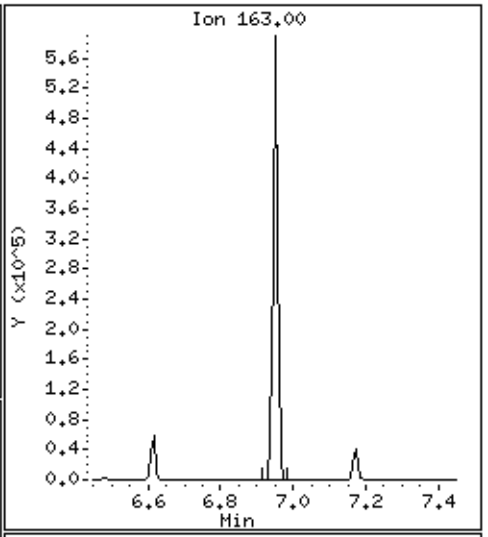
Column diameter: 0.25

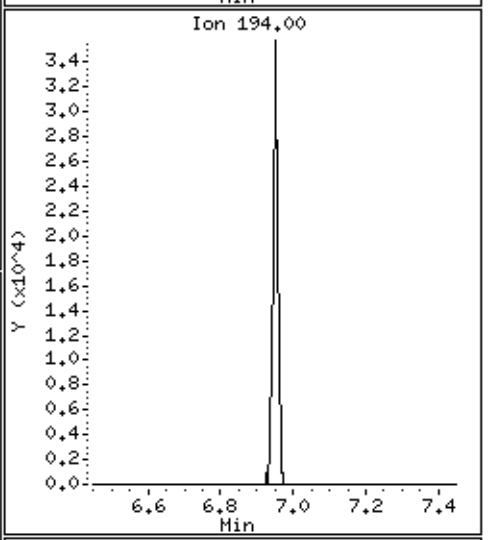
65 Dimethylphthalate

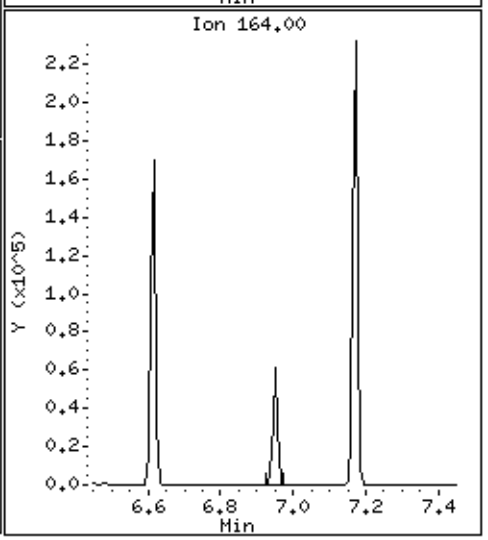
Concentration: 73.4 ug/kg











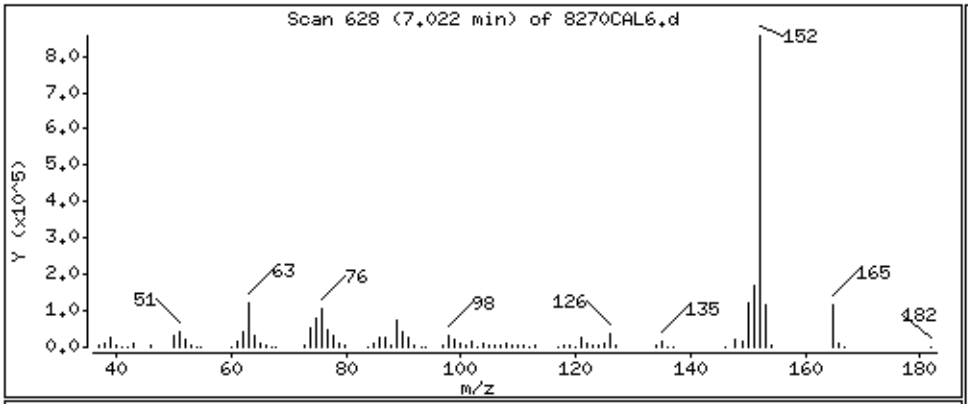
Date : 14-NOV-2012 23:01

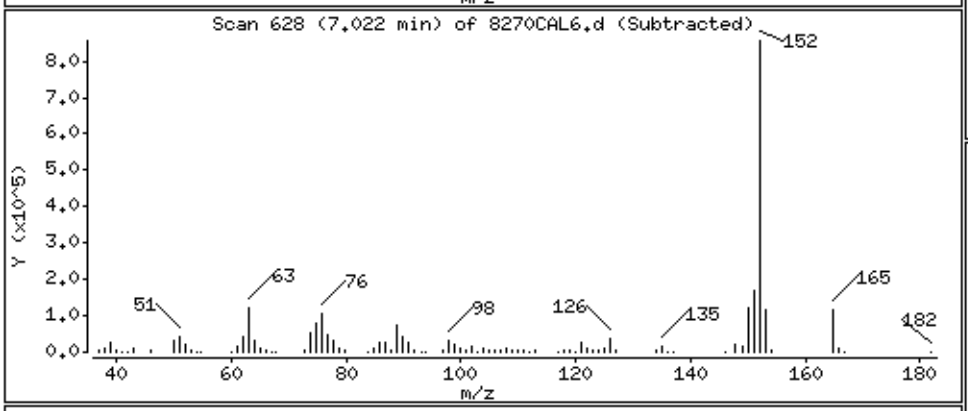
Client ID: 8270CAL6 Instrument: smsd04.i

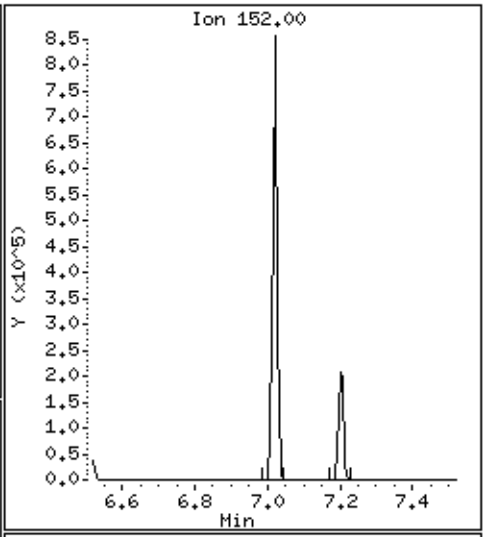
Sample Info: 47764 Operator: MJ

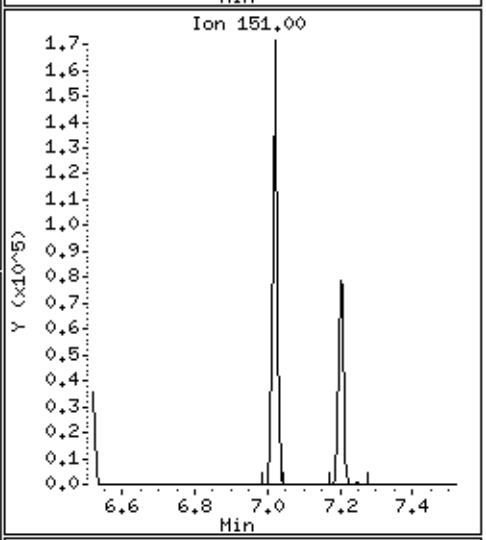
Column phase: HPMS-5 Column diameter: 0.25

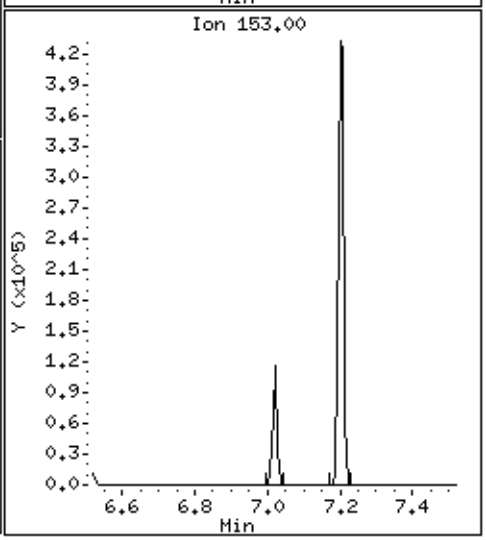
68 Acenaphthylene Concentration: 71.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

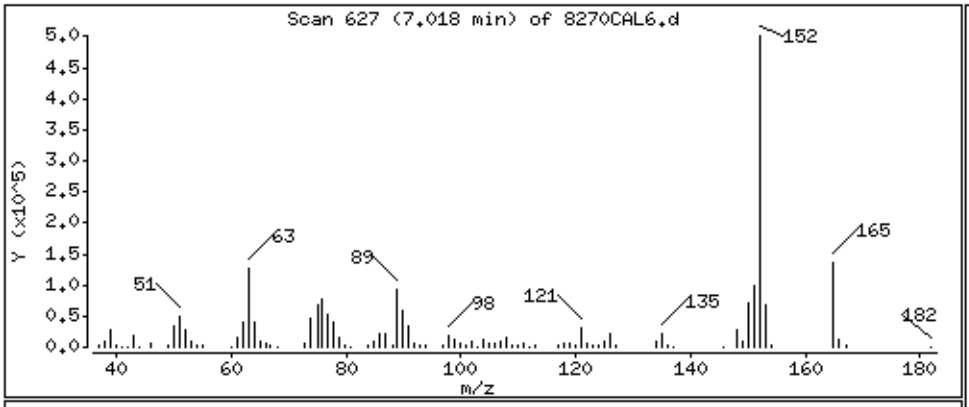
Operator: MJ

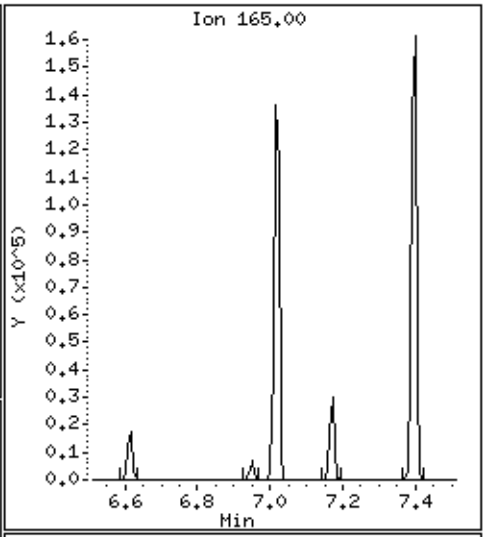
Column phase: HPMS-5

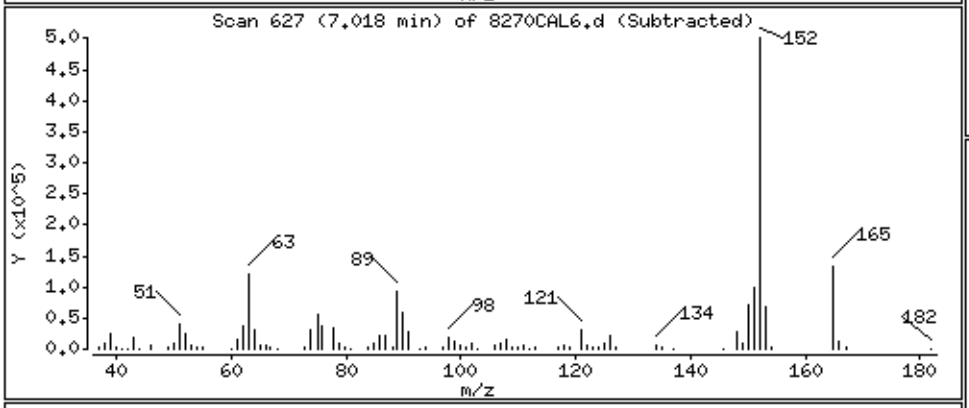
Column diameter: 0.25

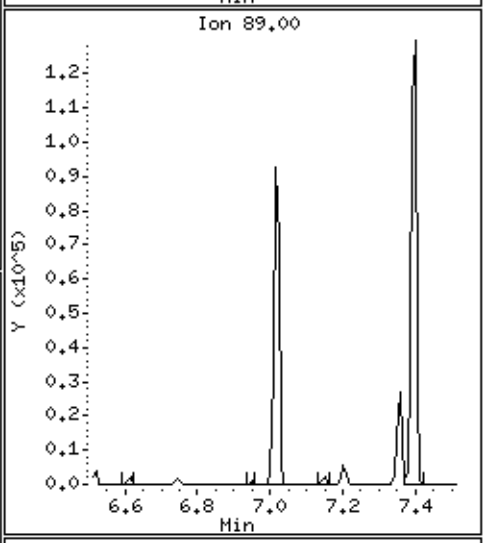
67 2,6-Dinitrotoluene

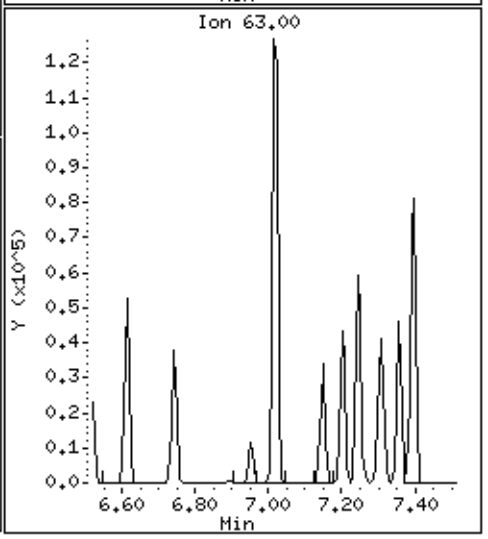
Concentration: 72.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

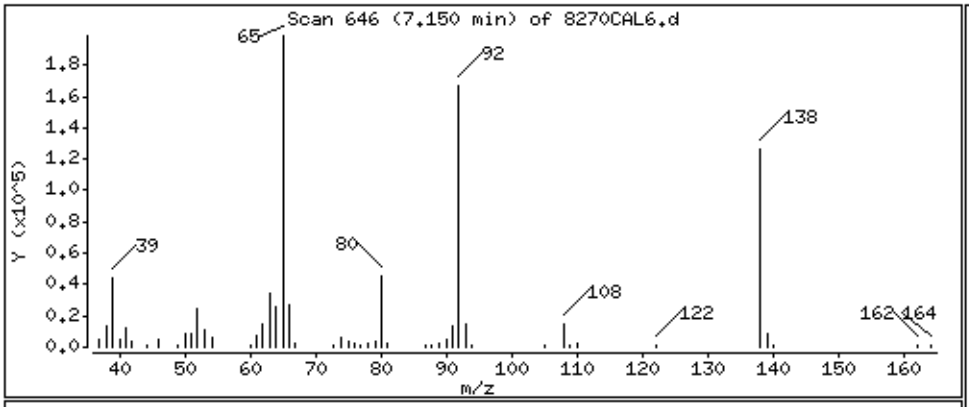
Operator: MJ

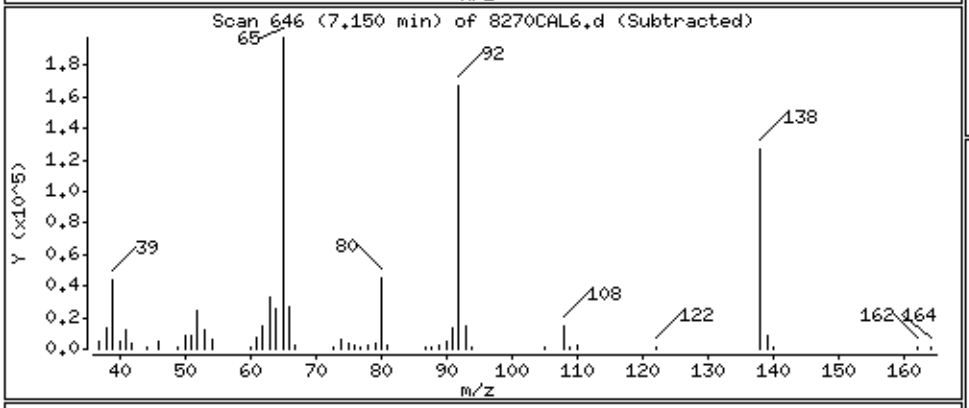
Column phase: HPMS-5

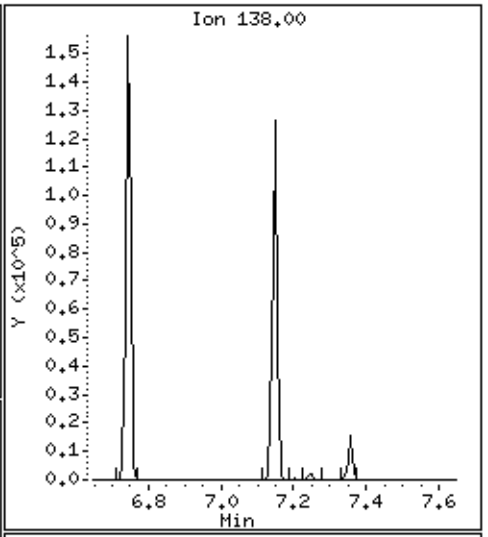
Column diameter: 0.25

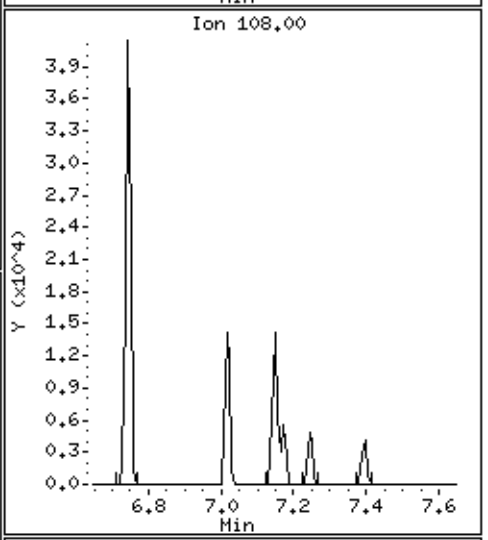
69 3-Nitroaniline

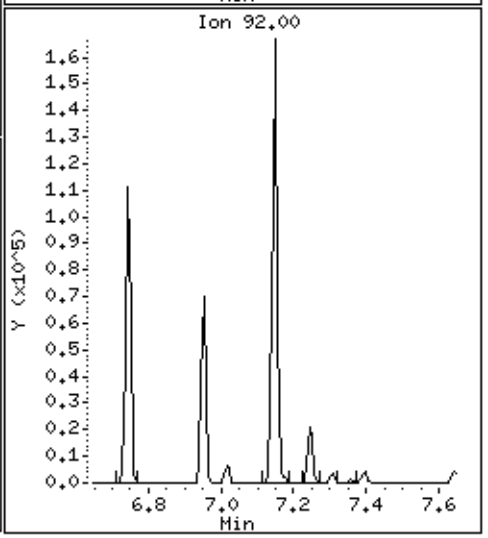
Concentration: 71.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

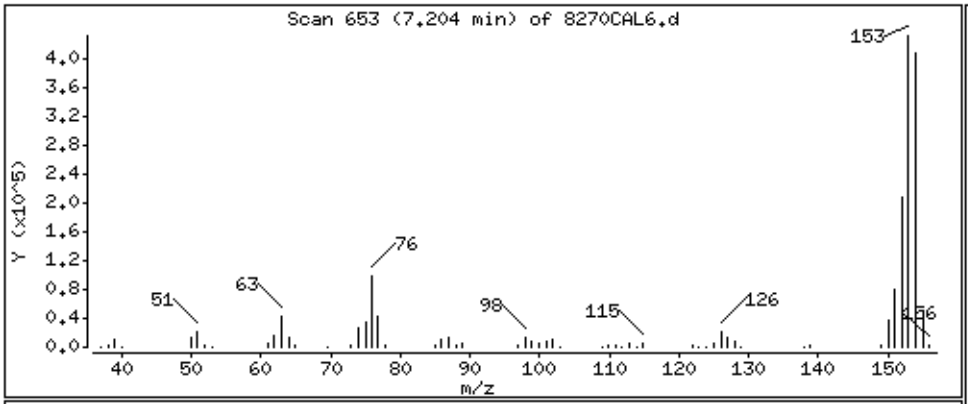
Operator: MJ

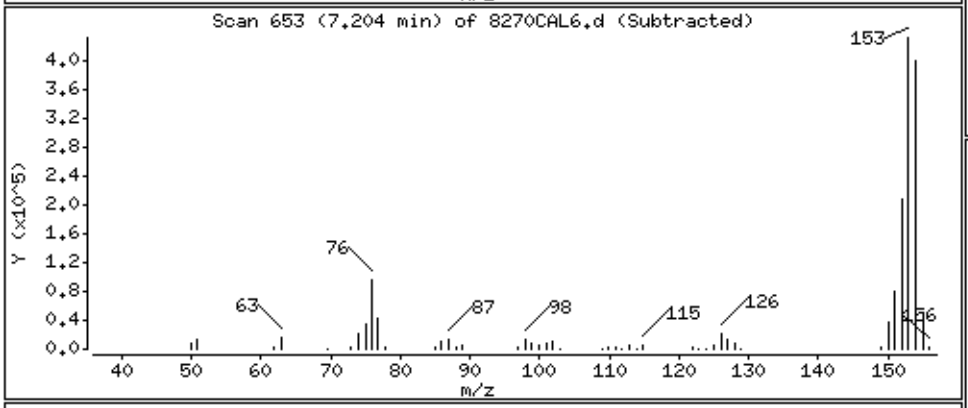
Column phase: HPMS-5

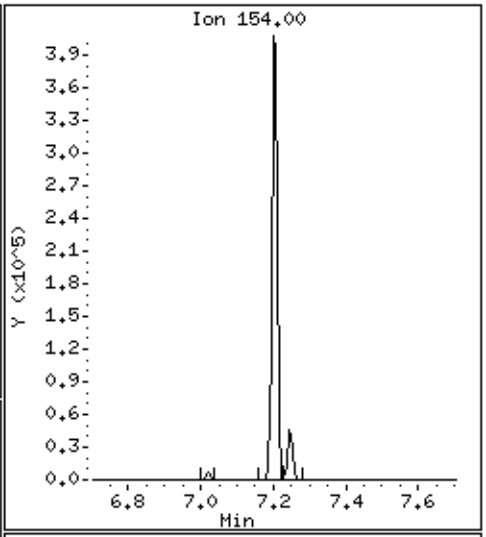
Column diameter: 0.25

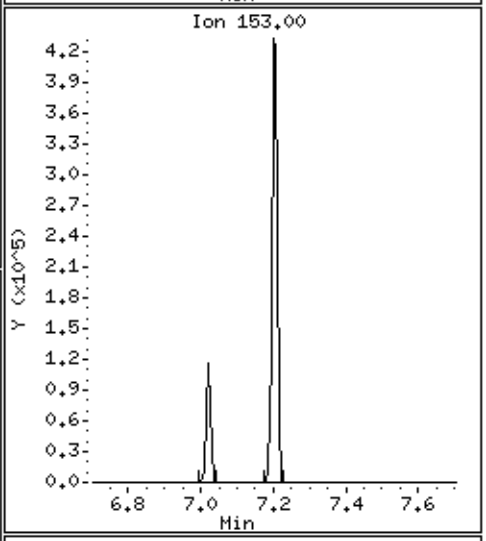
71 Acenaphthene

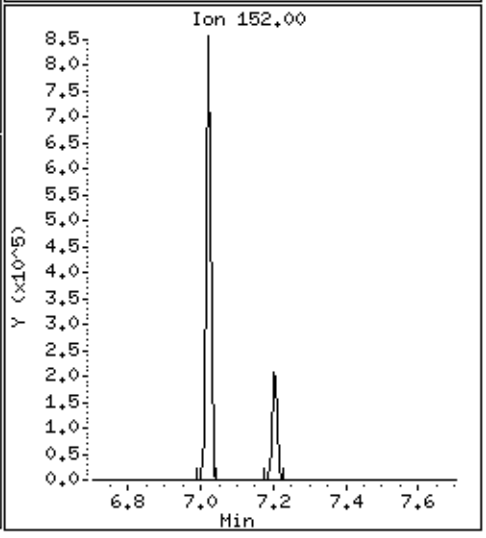
Concentration: 72.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

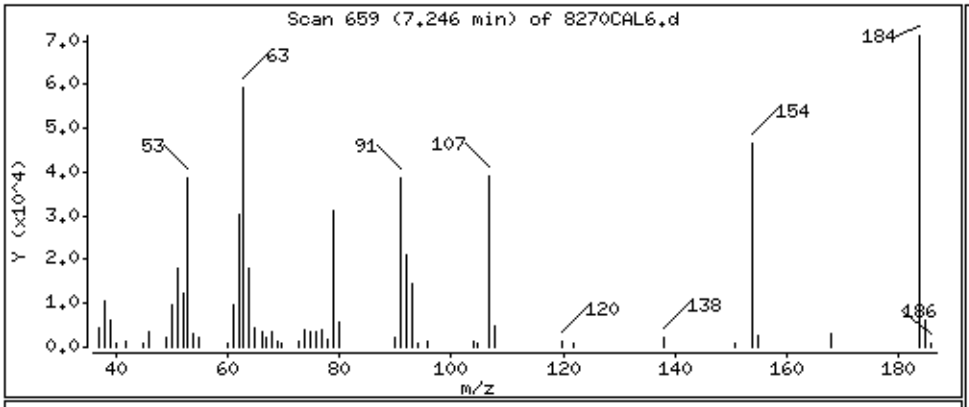
Operator: MJ

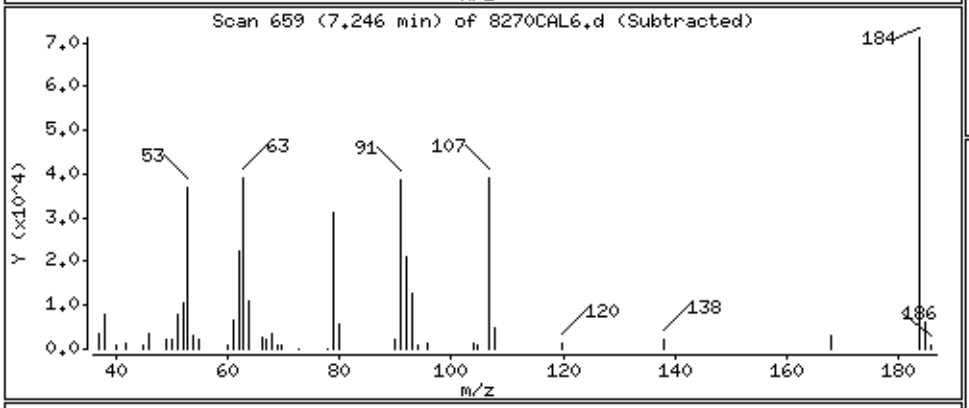
Column phase: HPMS-5

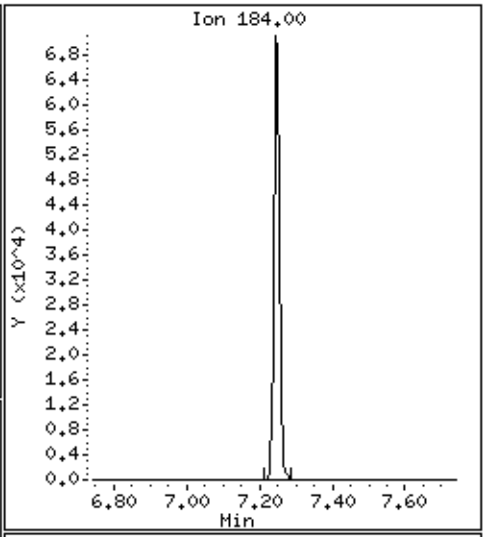
Column diameter: 0.25

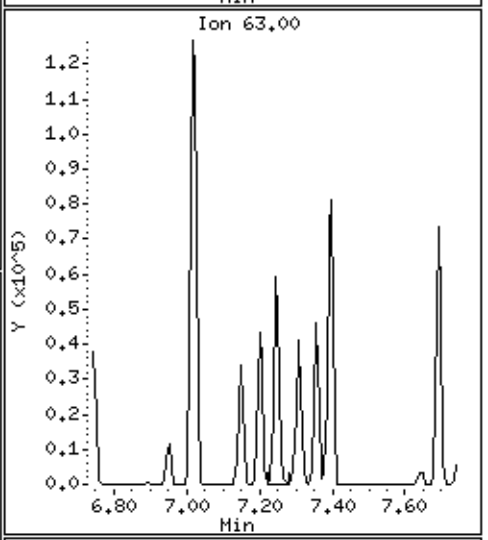
72 2,4-Dinitrophenol

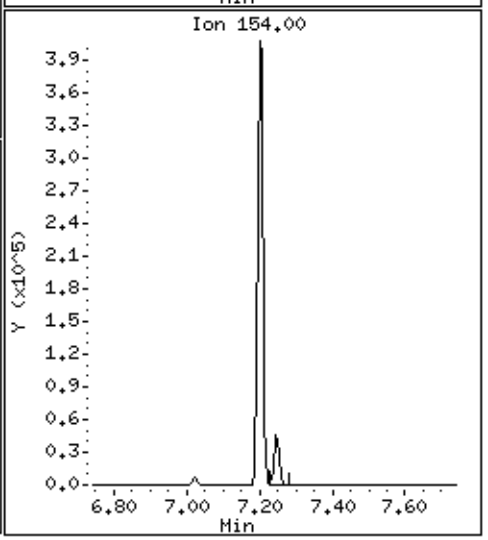
Concentration: 69.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

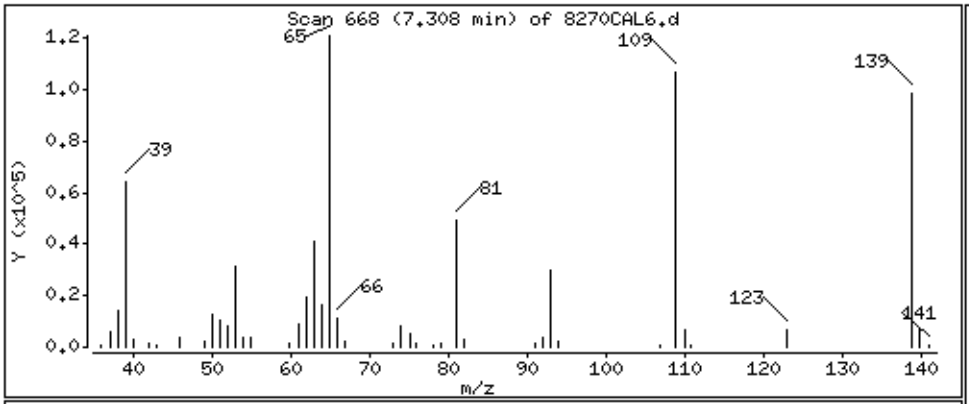
Operator: MJ

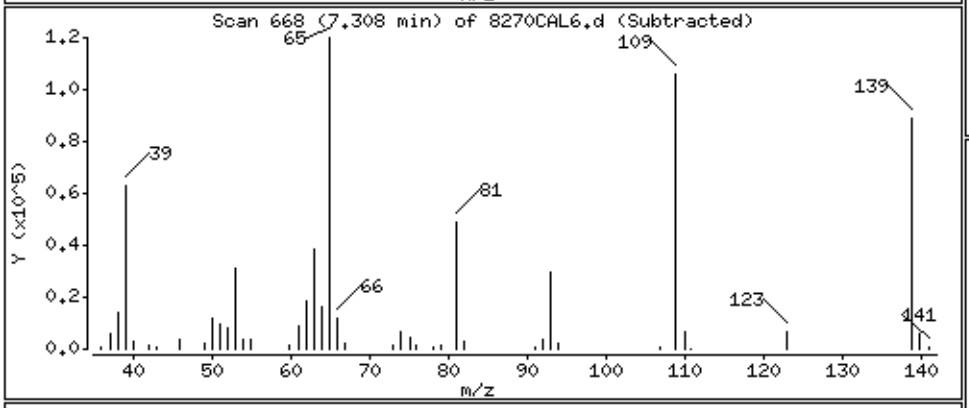
Column phase: HPMS-5

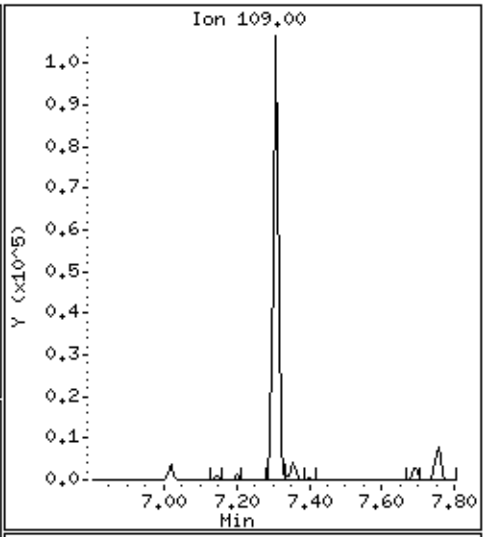
Column diameter: 0.25

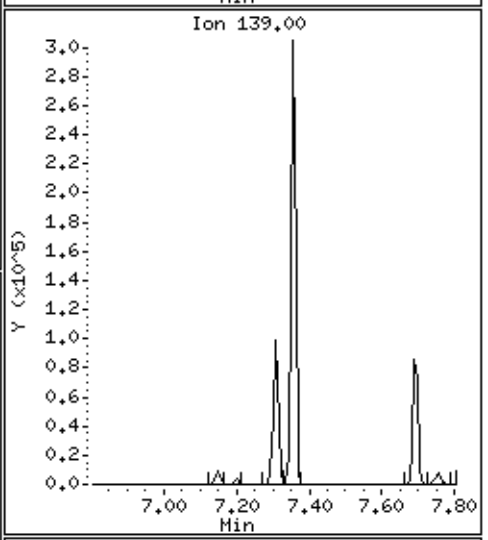
74 4-Nitrophenol

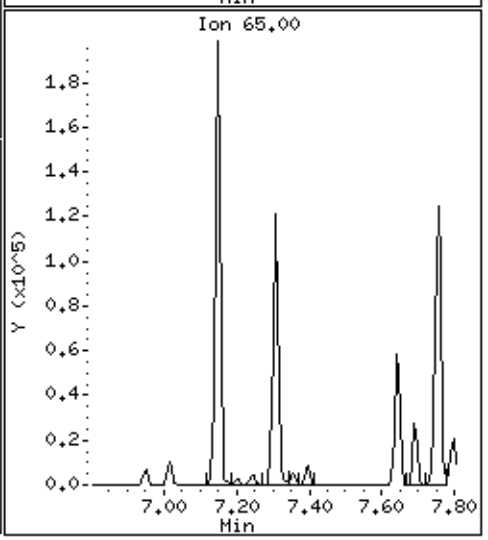
Concentration: 73.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

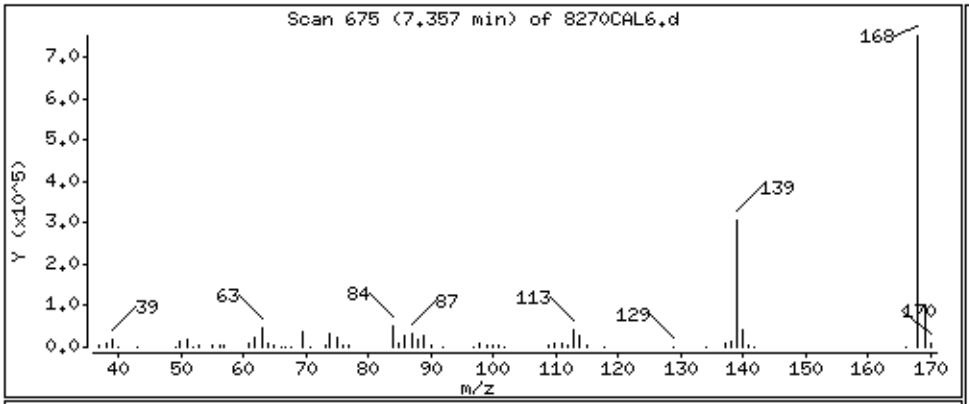
Operator: MJ

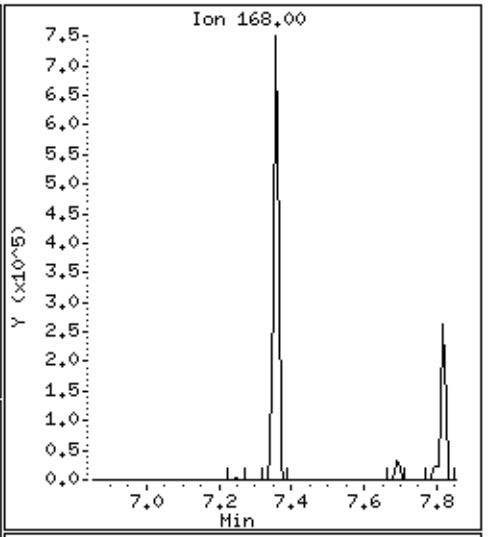
Column phase: HPMS-5

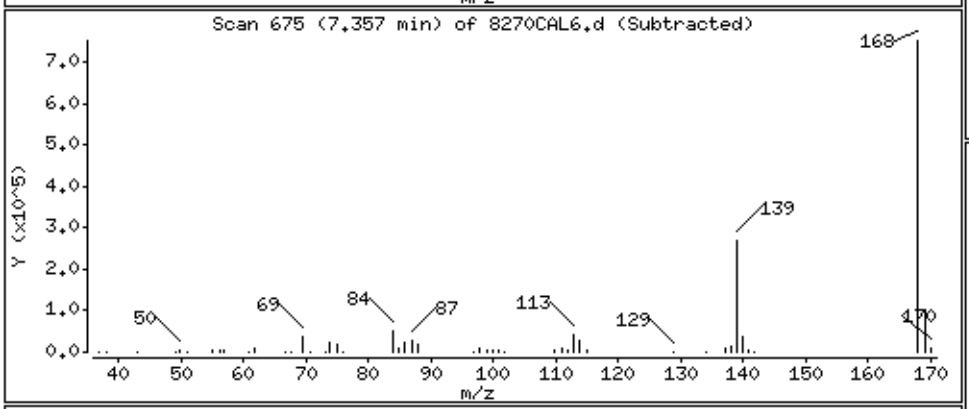
Column diameter: 0.25

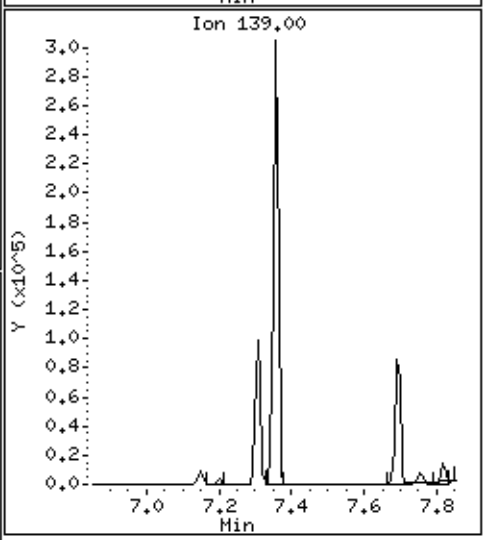
75 Dibenzofuran

Concentration: 72.0 ug/kg









Date : 14-NOV-2012 23:01

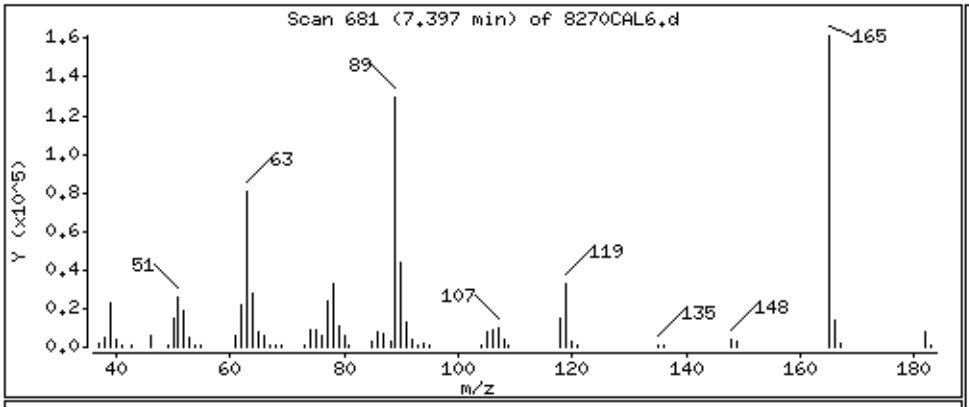
Client ID: 8270CAL6 Instrument: smsd04.i

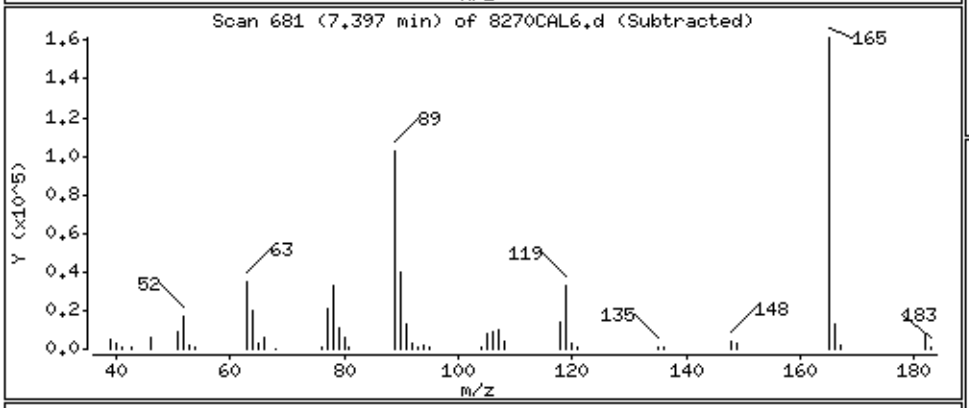
Sample Info: 47764

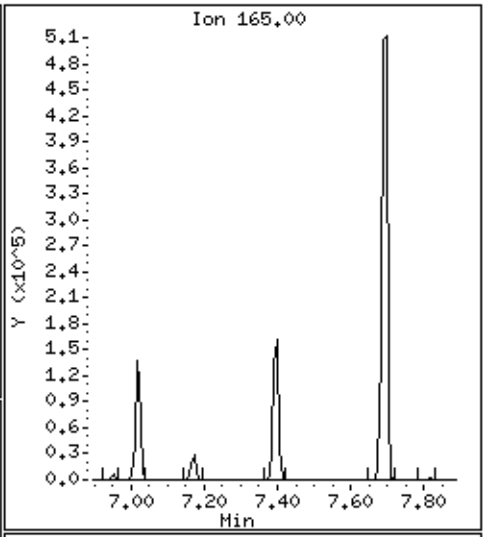
Operator: MJ

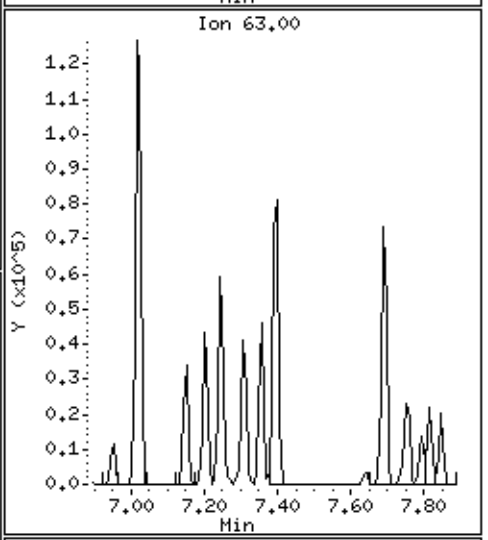
Column phase: HPMS-5 Column diameter: 0.25

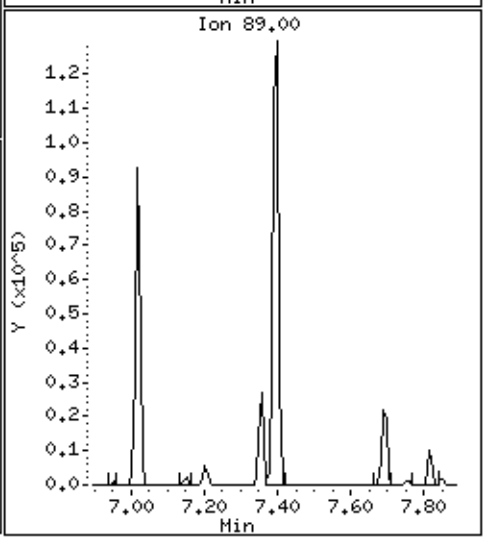
76 2,4-Dinitrotoluene Concentration: 71.8 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

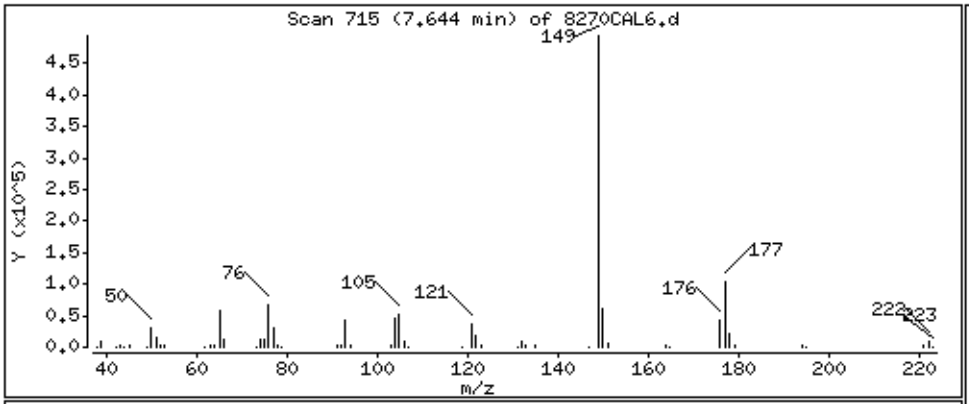
Operator: MJ

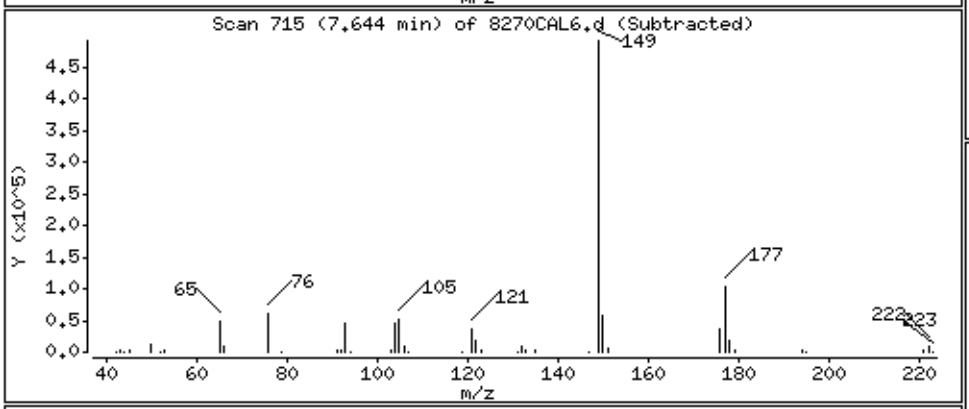
Column phase: HPMS-5

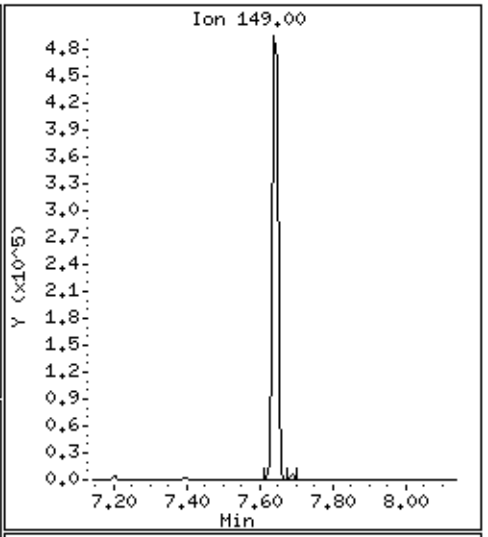
Column diameter: 0.25

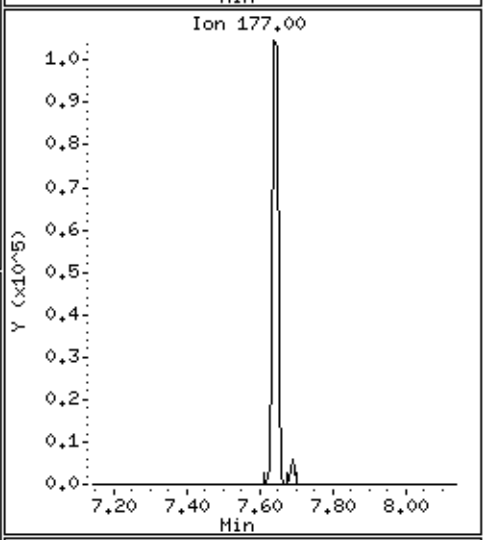
80 Diethylphthalate

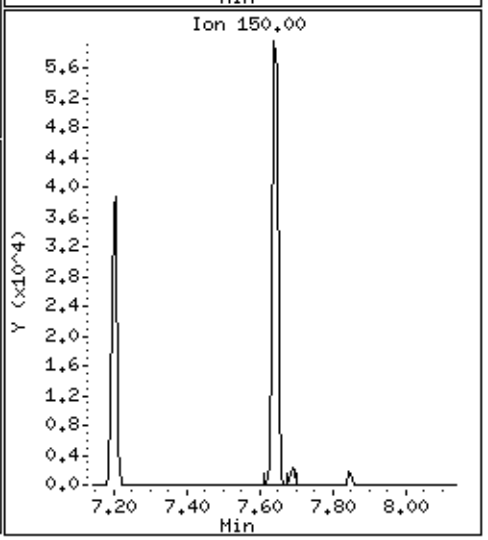
Concentration: 71.4 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

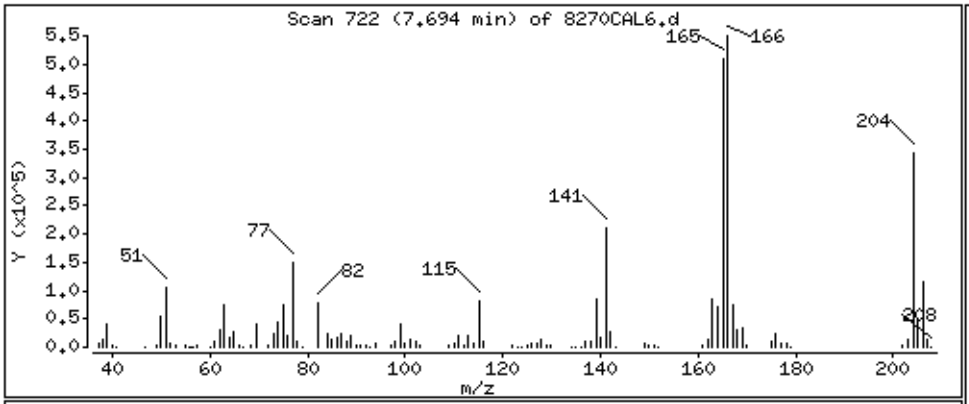
Operator: MJ

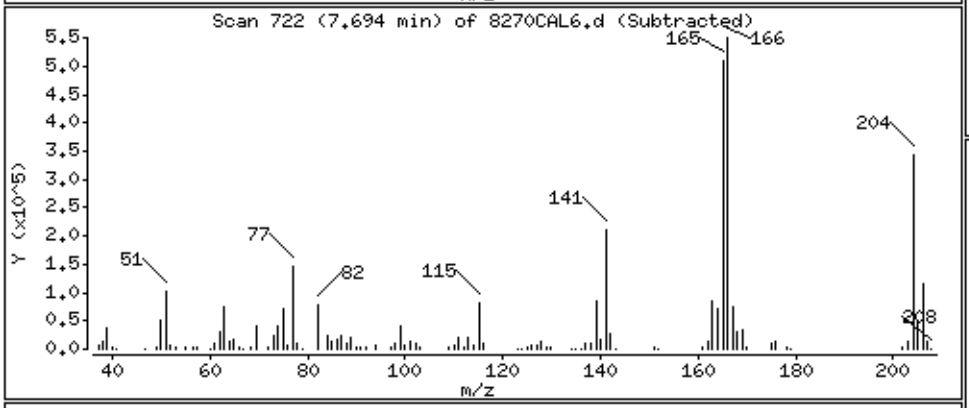
Column phase: HPMS-5

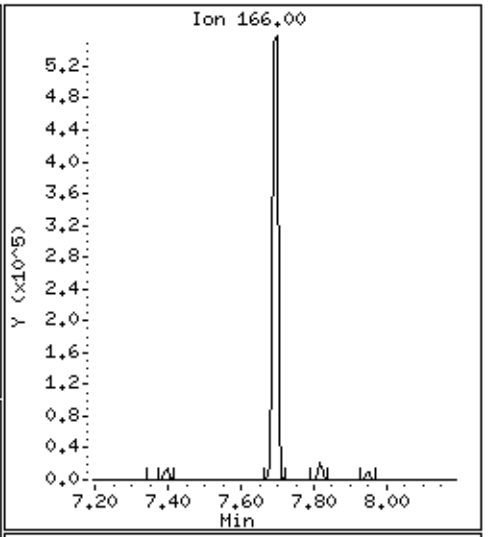
Column diameter: 0.25

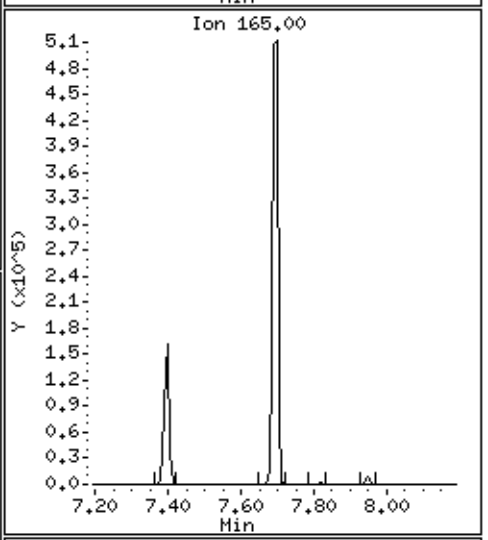
81 Fluorene

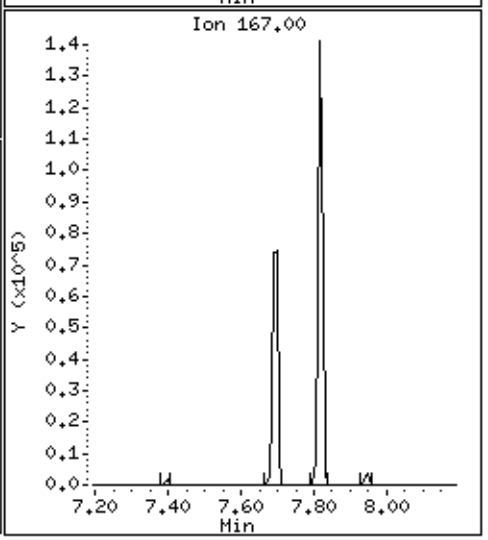
Concentration: 71.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

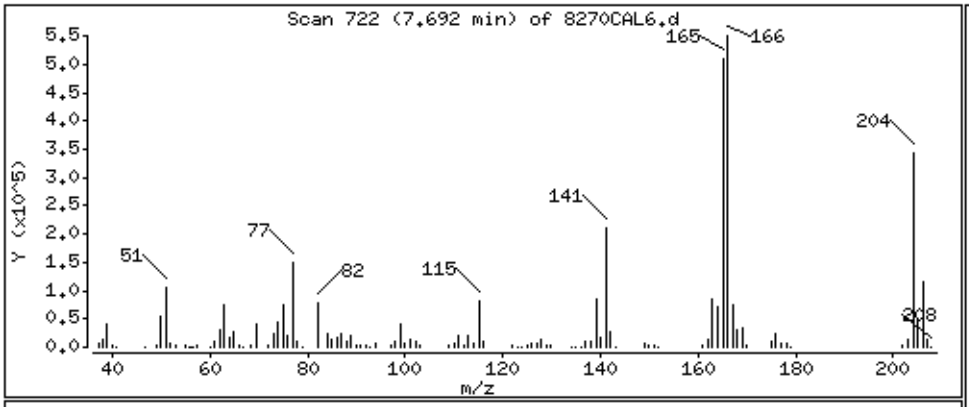
Operator: MJ

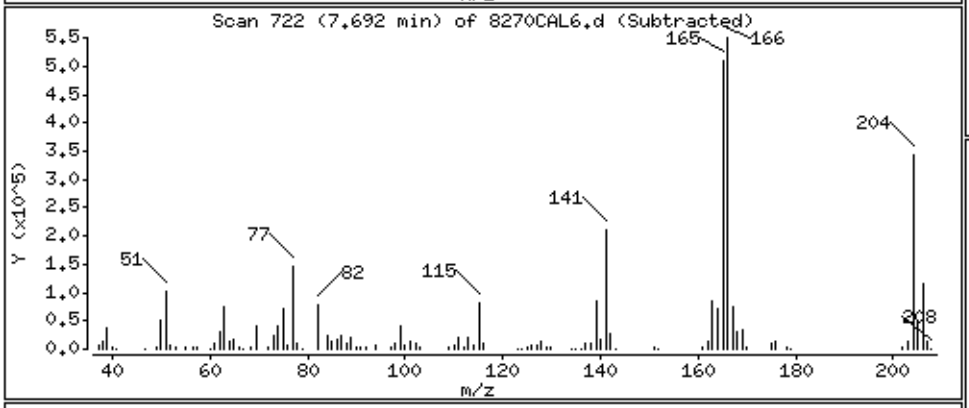
Column phase: HPMS-5

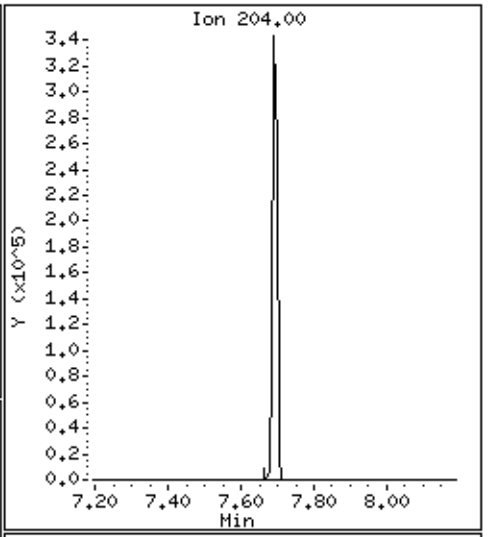
Column diameter: 0.25

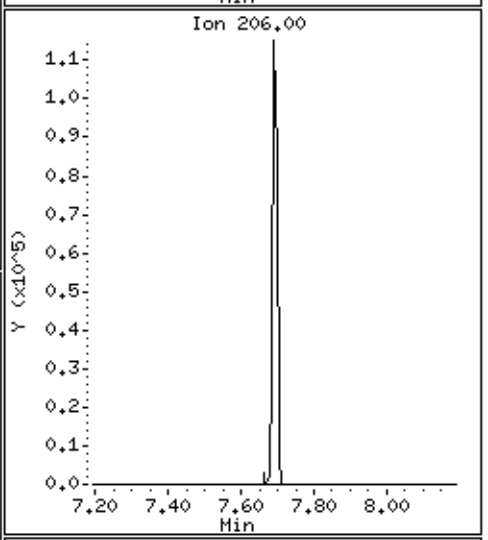
82 4-Chlorophenyl-phenylether

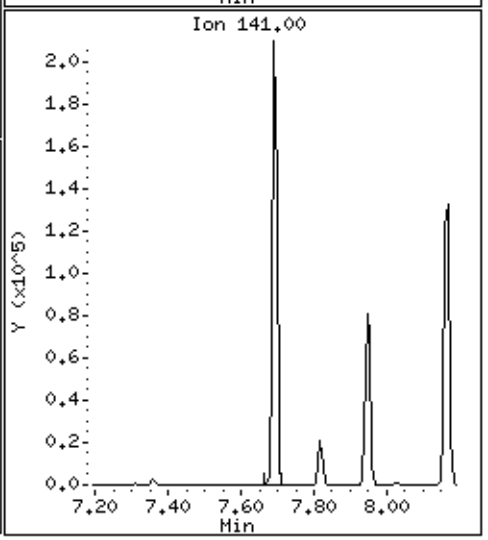
Concentration: 70.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

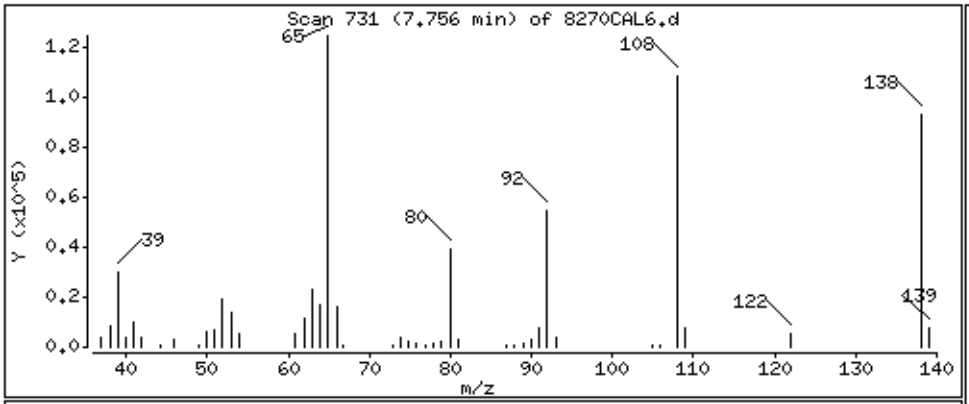
Operator: MJ

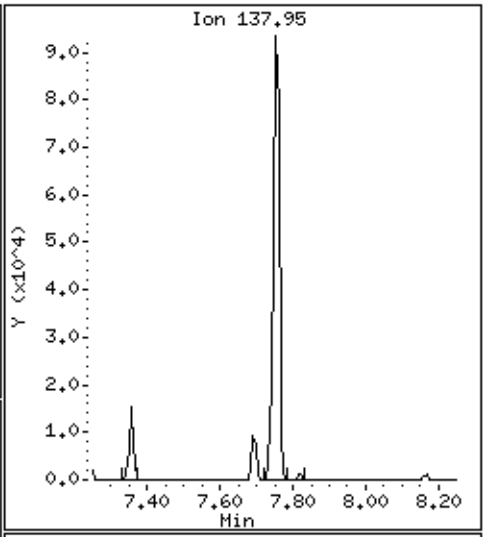
Column phase: HPMS-5

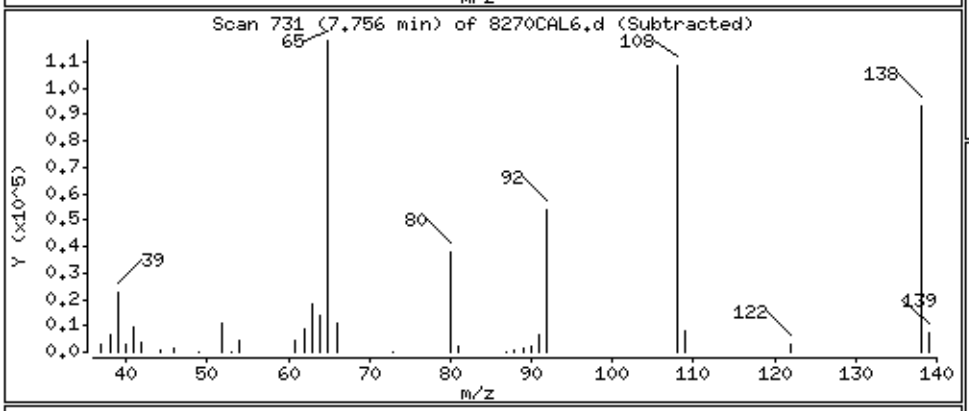
Column diameter: 0.25

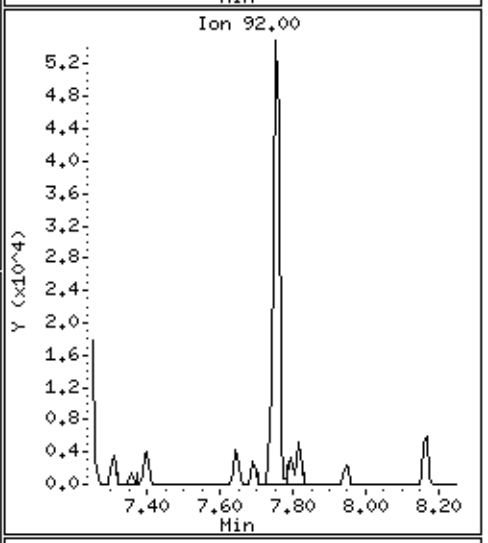
84 4-Nitroaniline

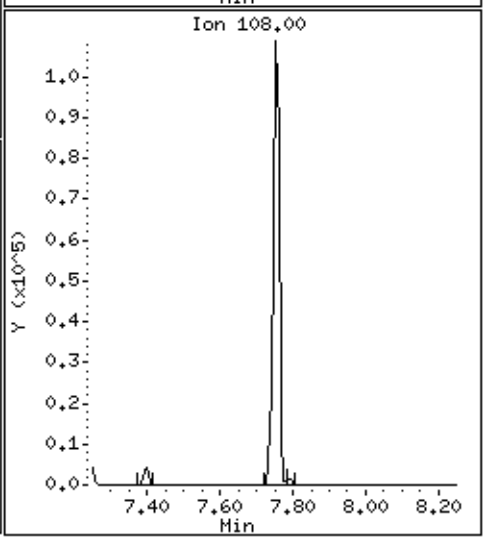
Concentration: 73.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

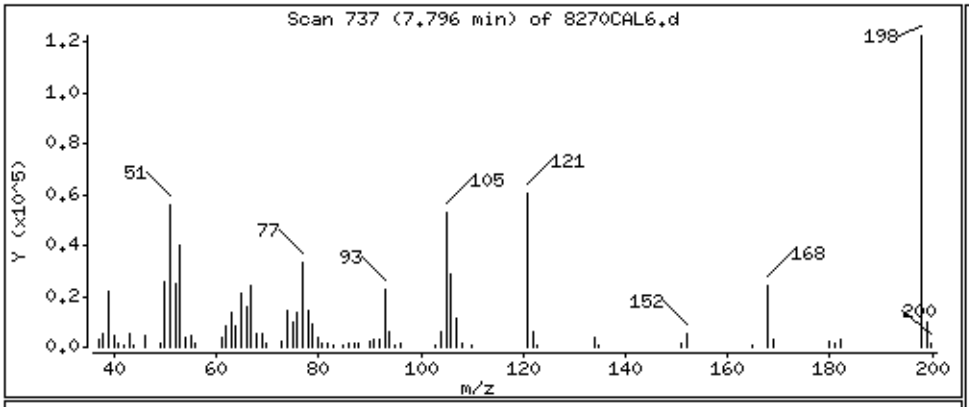
Operator: MJ

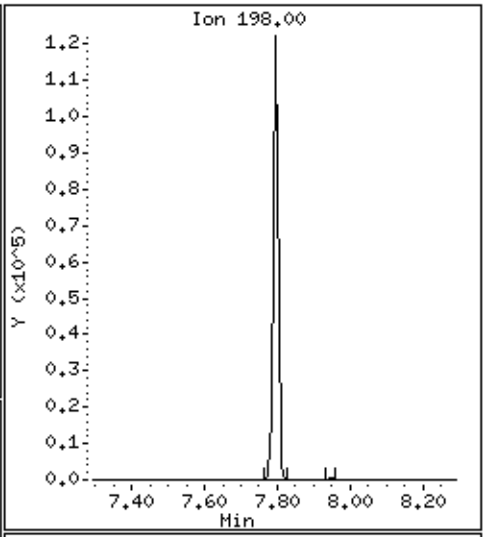
Column phase: HPMS-5

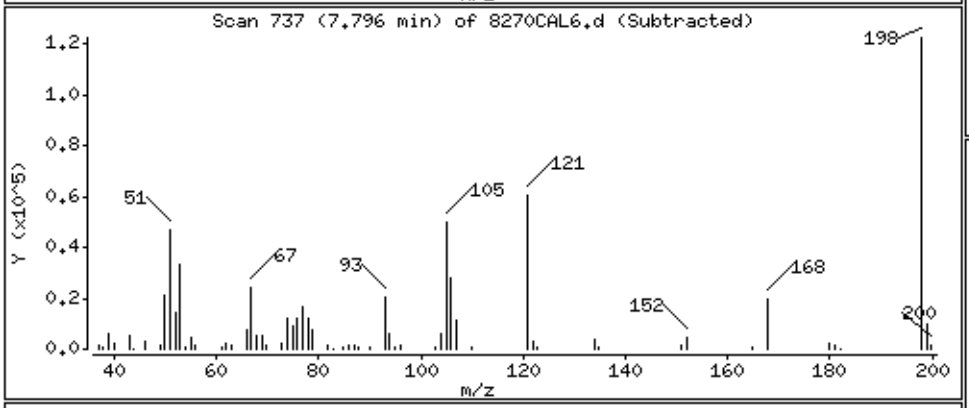
Column diameter: 0.25

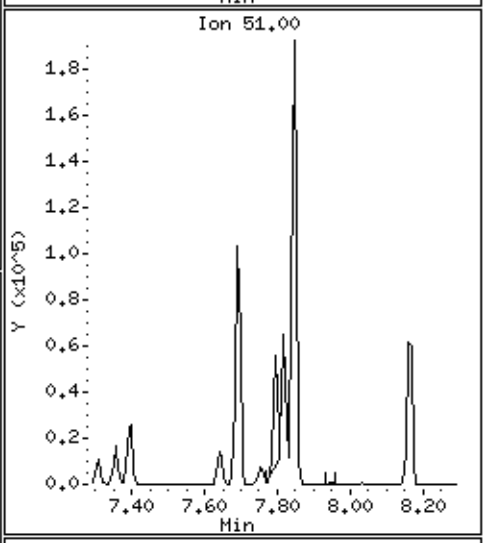
85 4,6-Dinitro-2-methylphenol

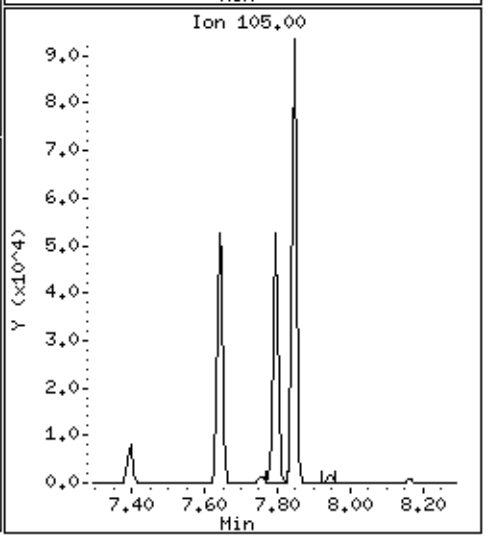
Concentration: 73.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

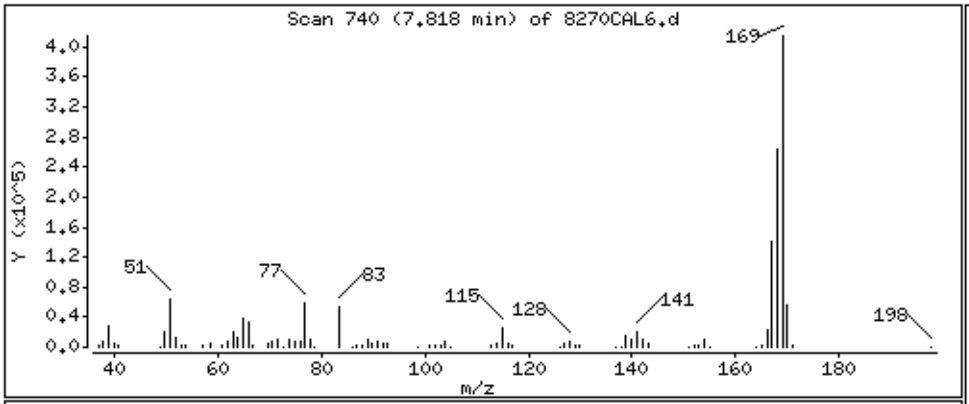
Operator: MJ

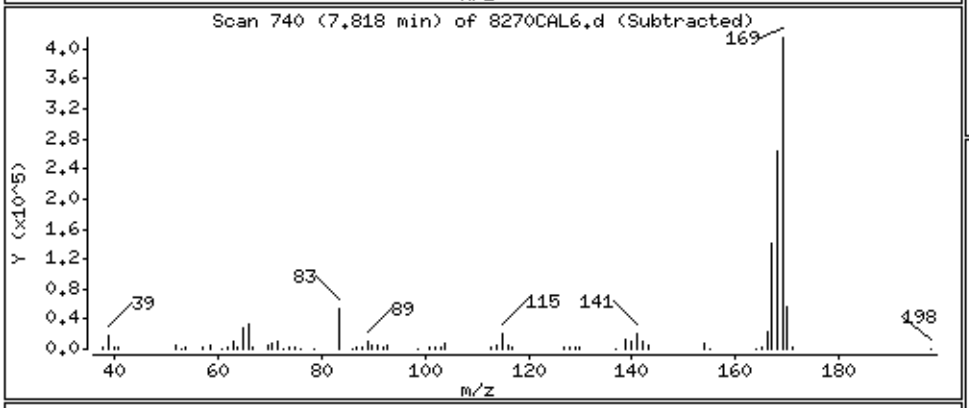
Column phase: HPMS-5

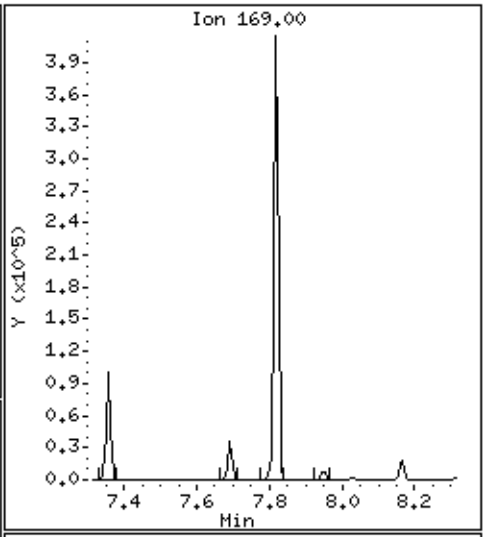
Column diameter: 0.25

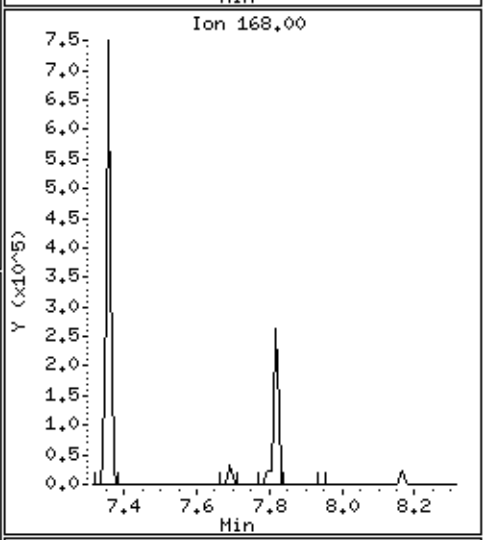
86 N-Nitrosodiphenylamine

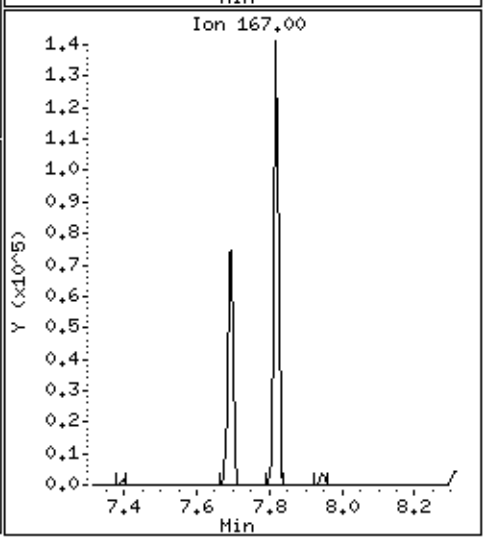
Concentration: 73.4 ug/kg











Date : 14-NOV-2012 23:01

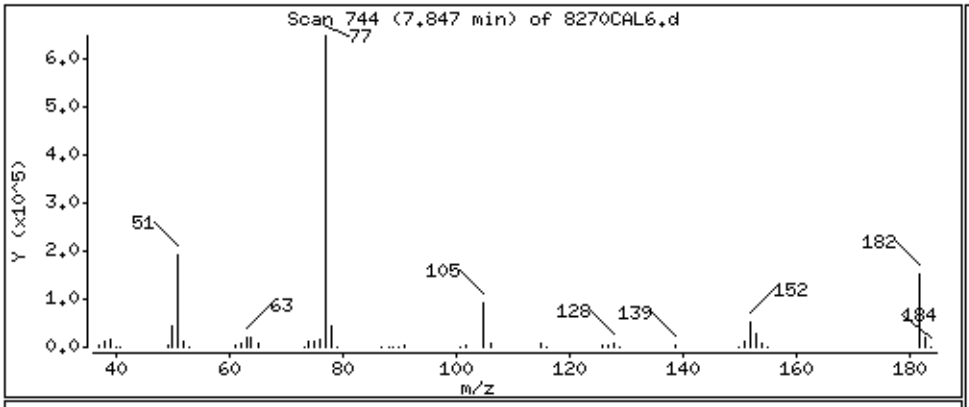
Client ID: 8270CAL6 Instrument: smsd04.i

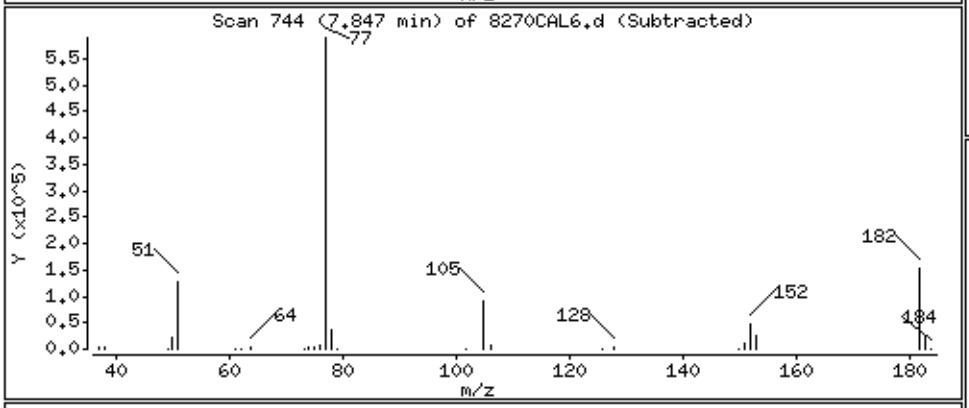
Sample Info: 47764

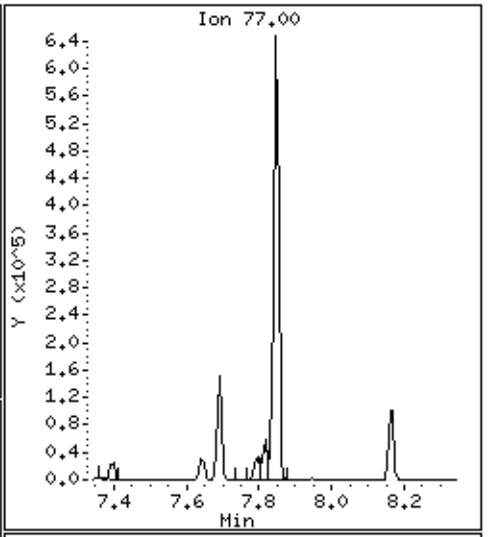
Operator: MJ

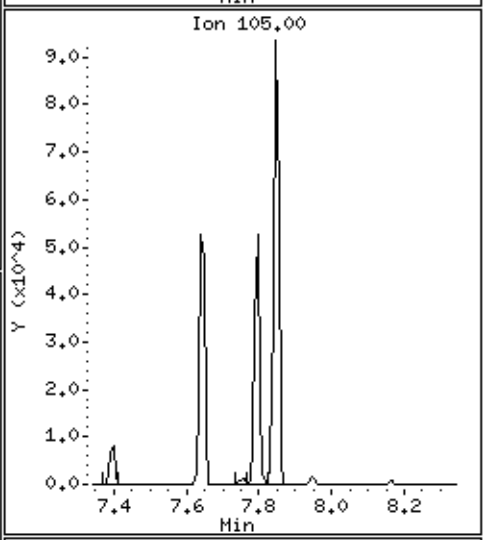
Column phase: HPMS-5 Column diameter: 0.25

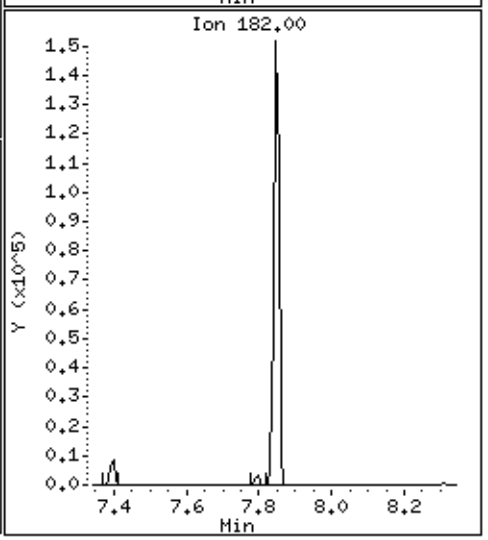
87 1,2-Diphenylhydrazine Concentration: 65.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

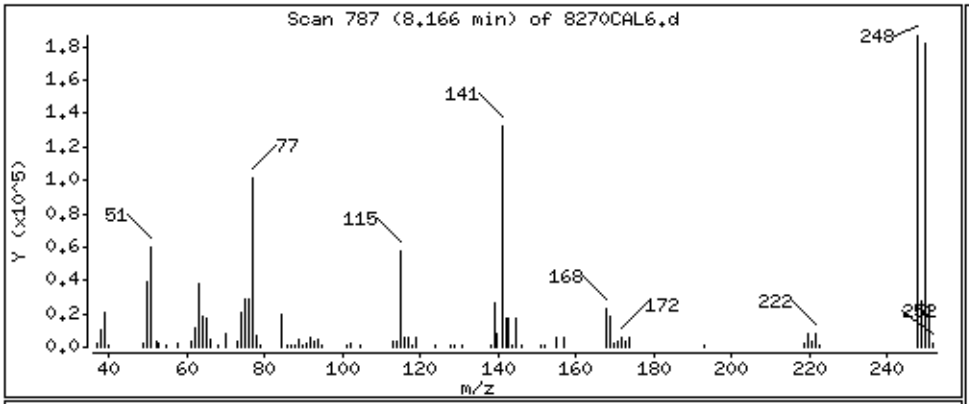
Operator: MJ

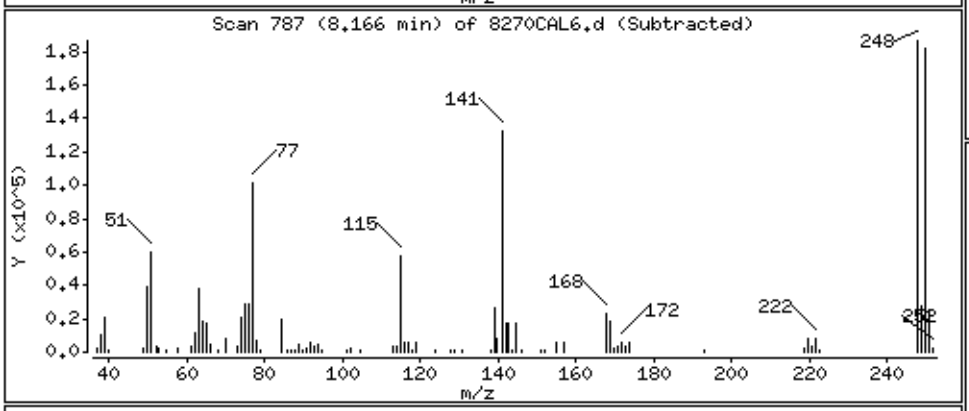
Column phase: HPMS-5

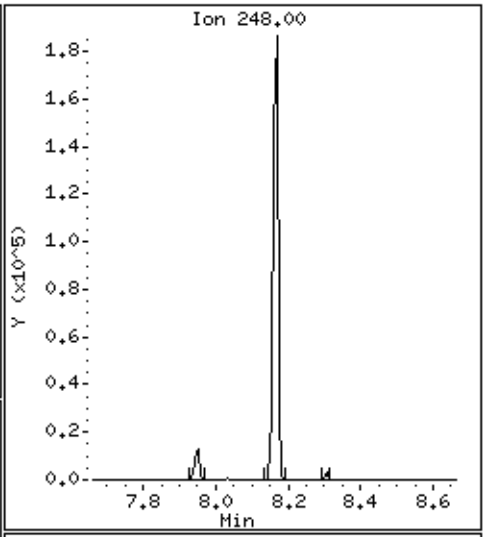
Column diameter: 0.25

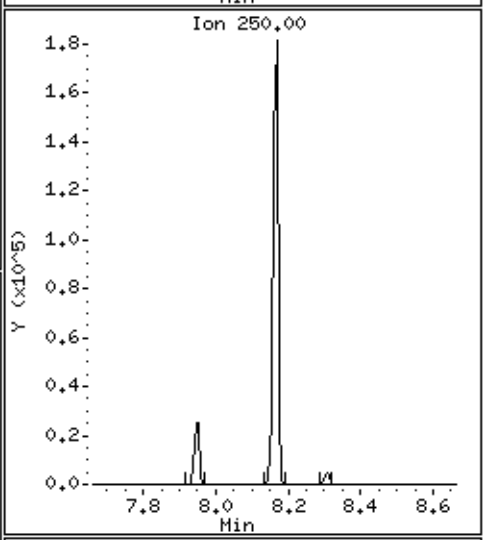
93 4-Bromophenylphenylether

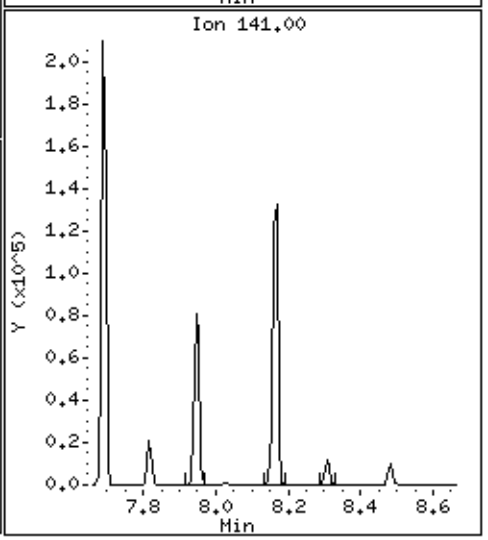
Concentration: 72.6 ug/kg











Date : 14-NOV-2012 23:01

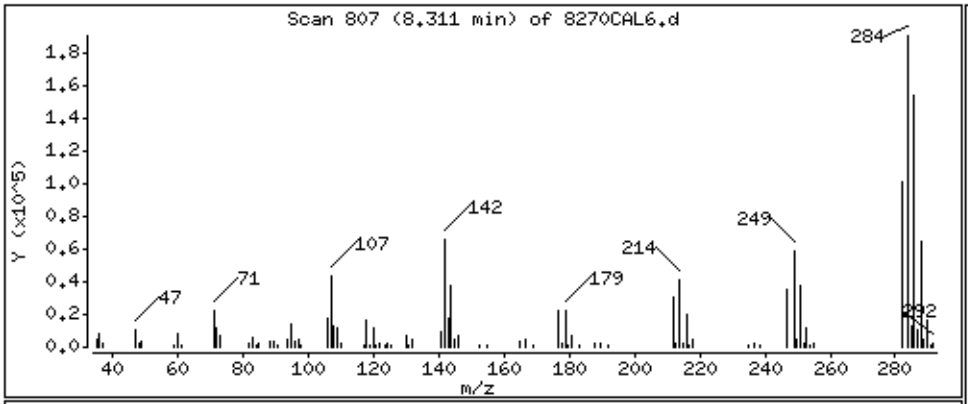
Client ID: 8270CAL6 Instrument: smsd04.i

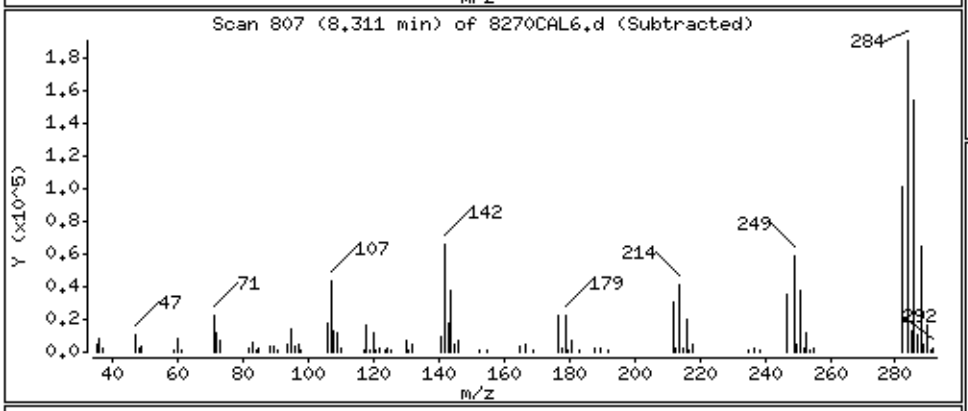
Sample Info: 47764

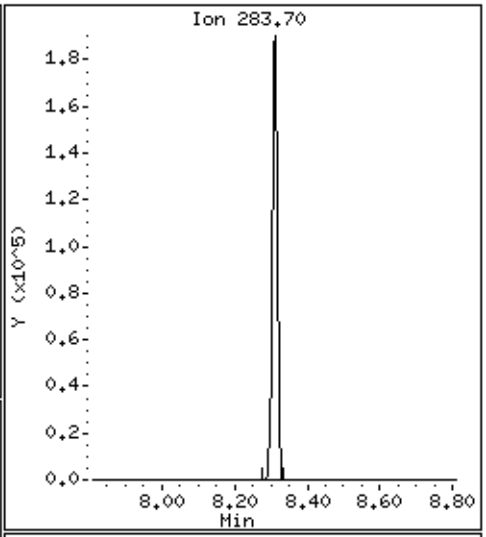
Operator: MJ

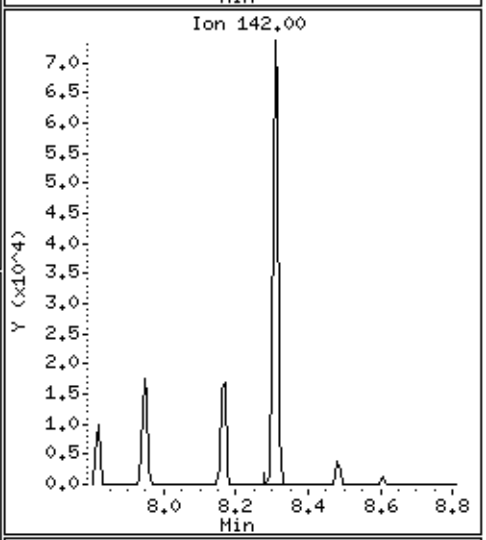
Column phase: HPMS-5 Column diameter: 0.25

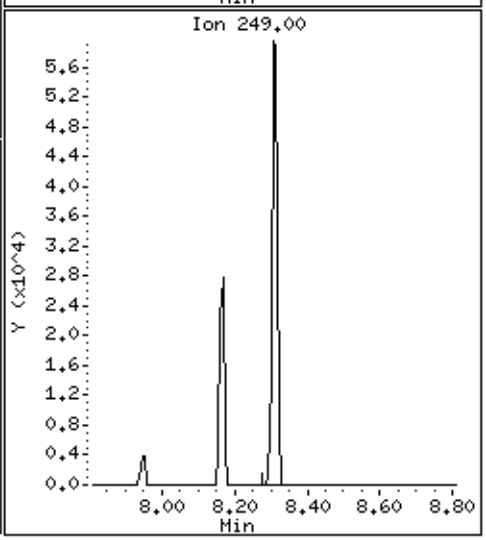
94 Hexachlorobenzene Concentration: 73.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

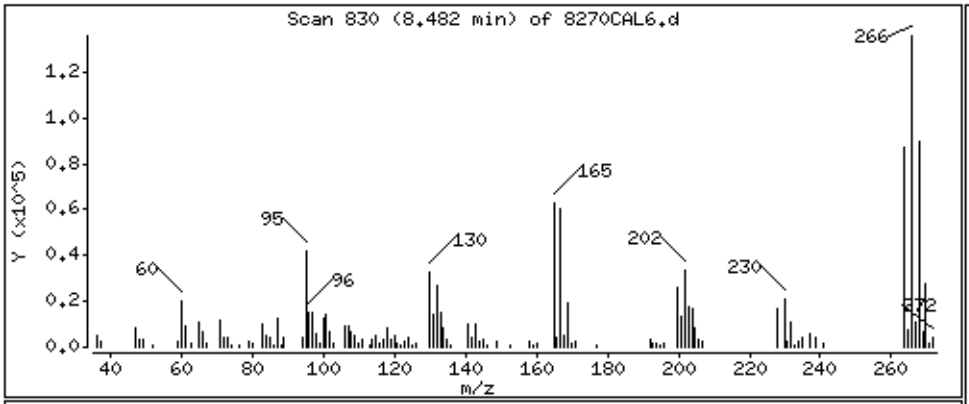
Operator: MJ

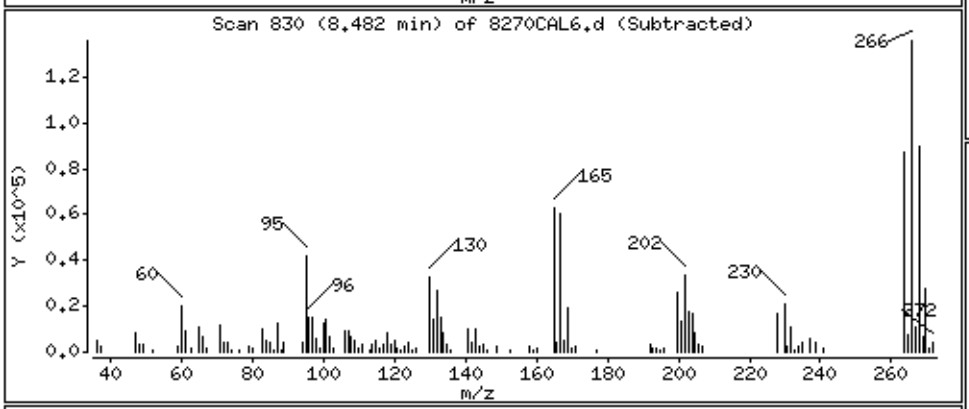
Column phase: HPMS-5

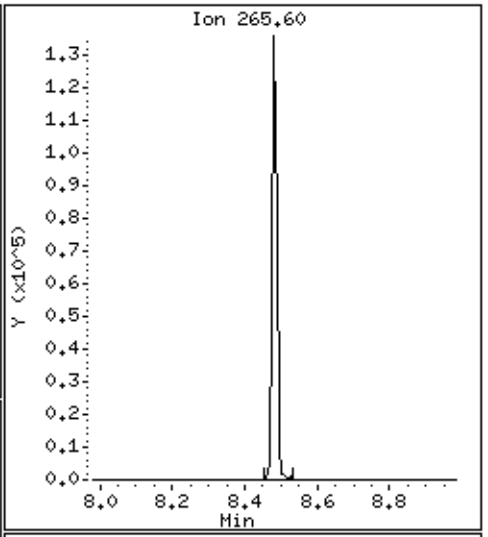
Column diameter: 0.25

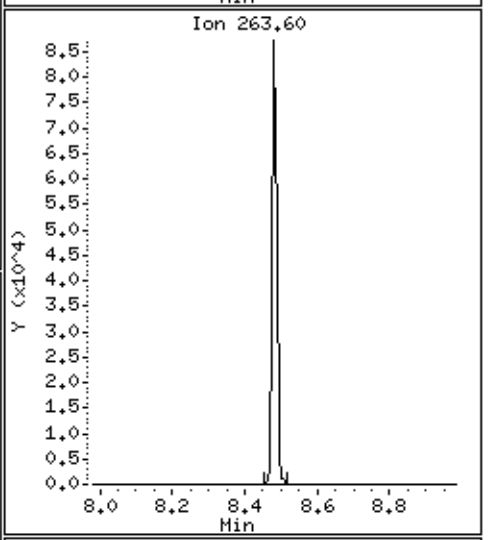
96 Pentachlorophenol

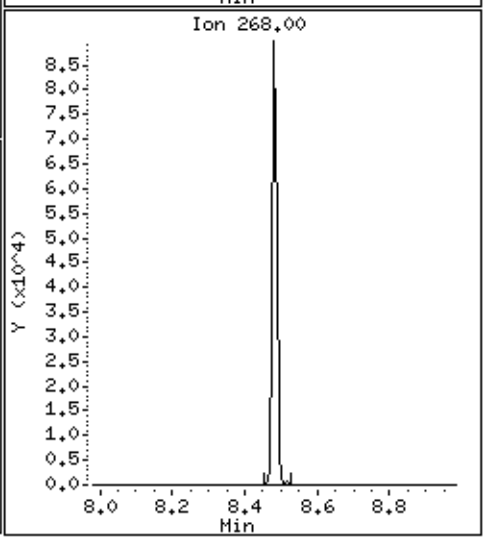
Concentration: 71.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

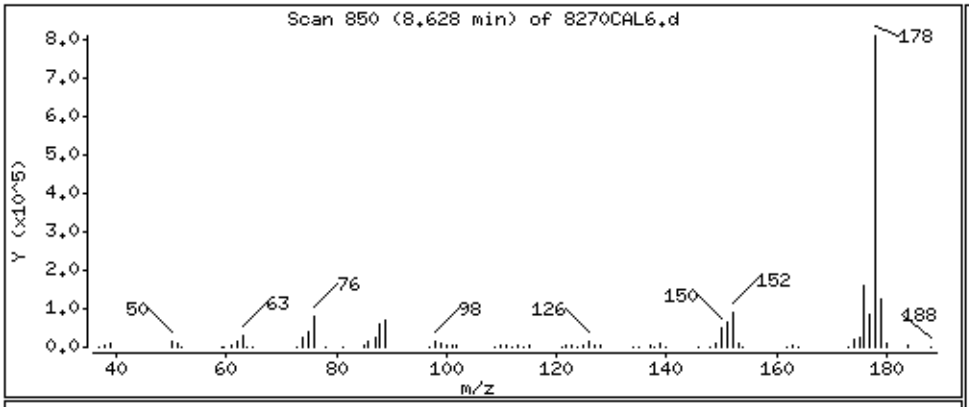
Operator: MJ

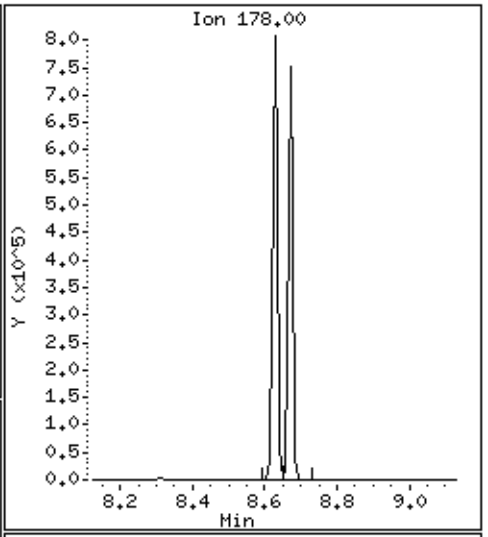
Column phase: HPMS-5

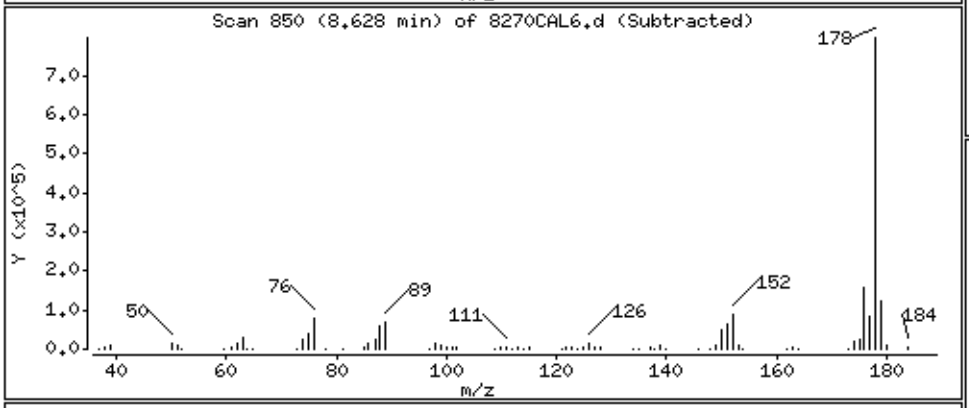
Column diameter: 0.25

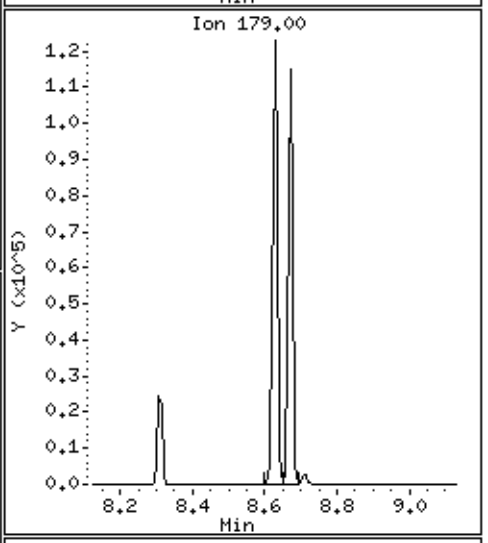
101 Phenanthrene

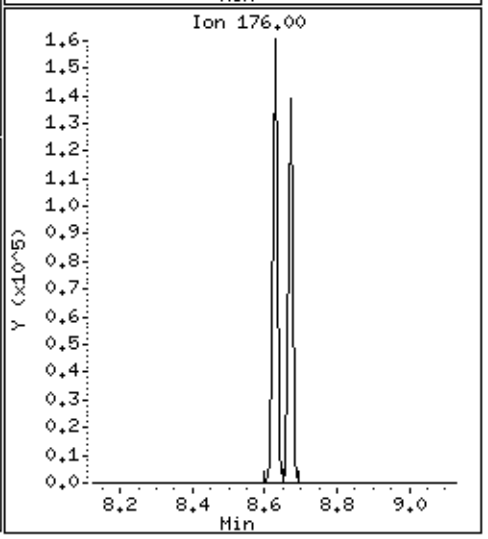
Concentration: 74.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

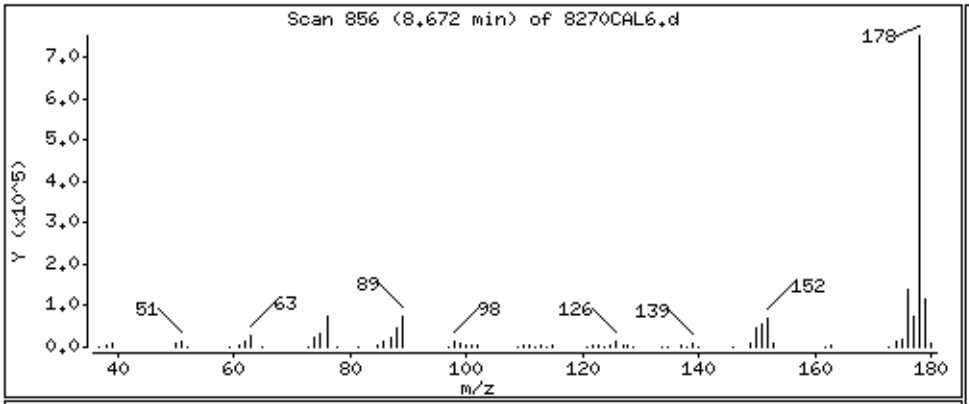
Operator: MJ

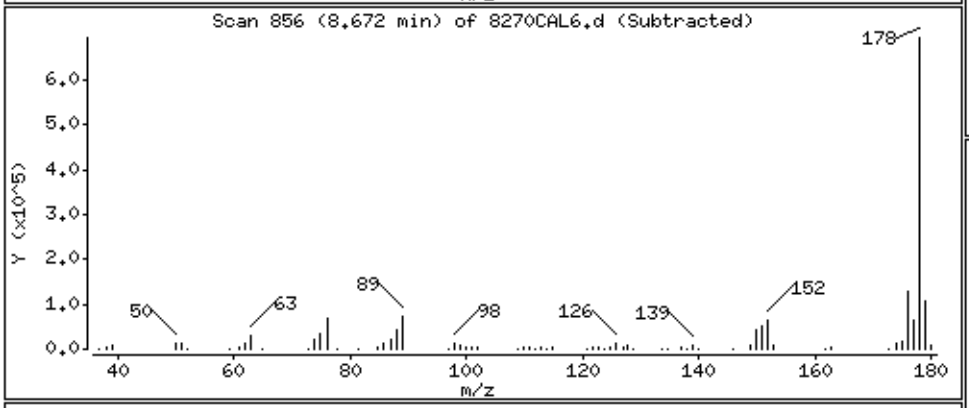
Column phase: HPMS-5

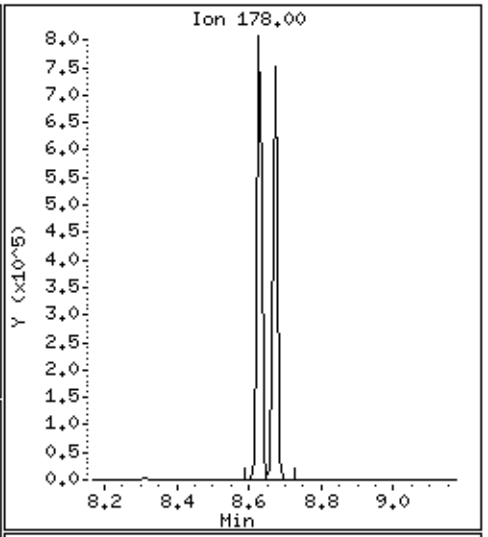
Column diameter: 0.25

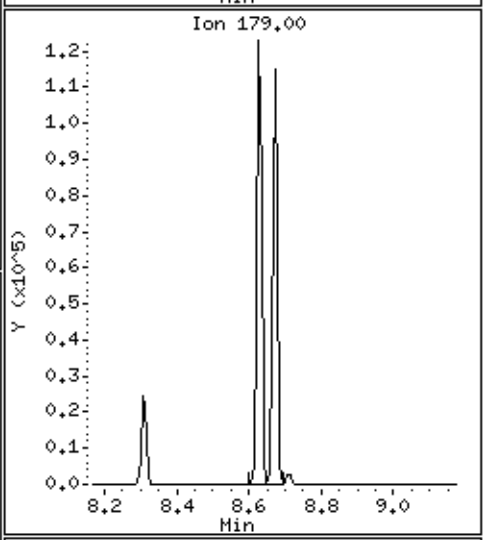
103 Anthracene

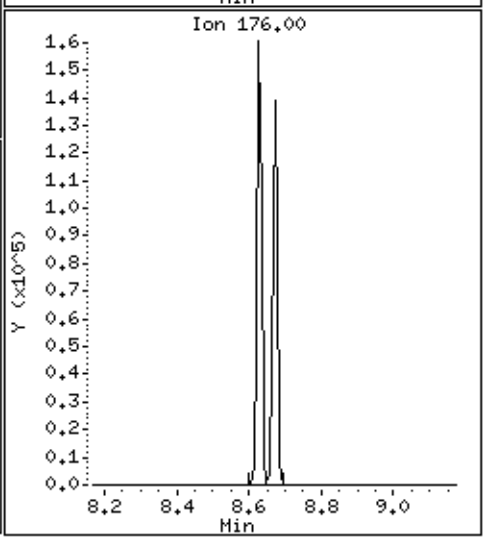
Concentration: 73.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

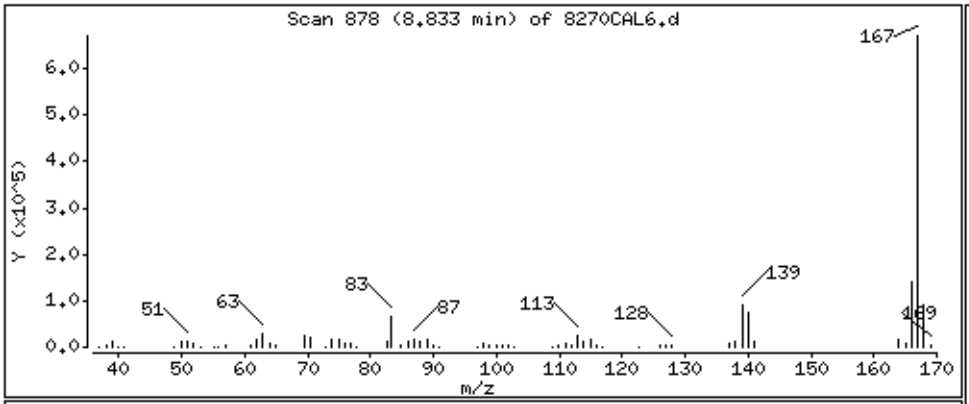
Operator: MJ

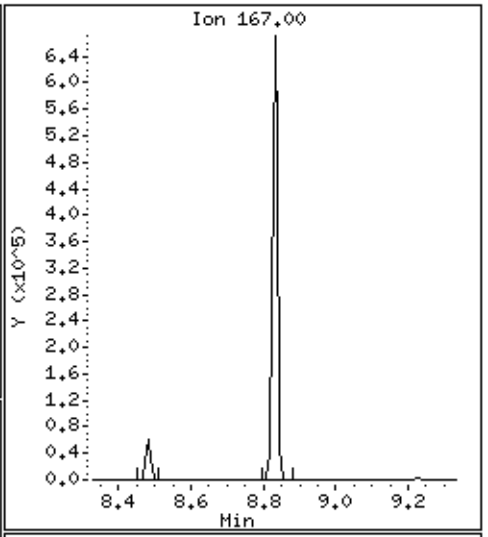
Column phase: HPMS-5

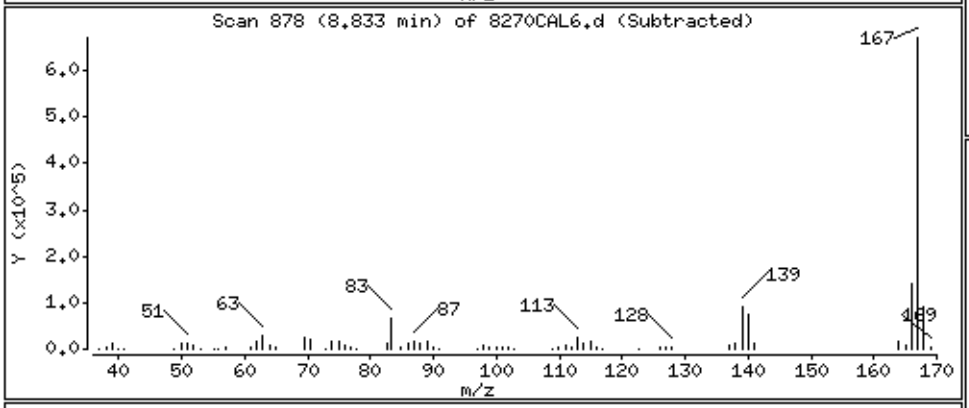
Column diameter: 0.25

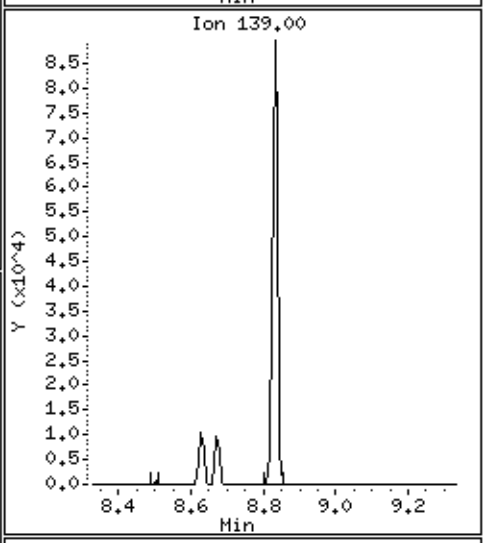
104 Carbazole

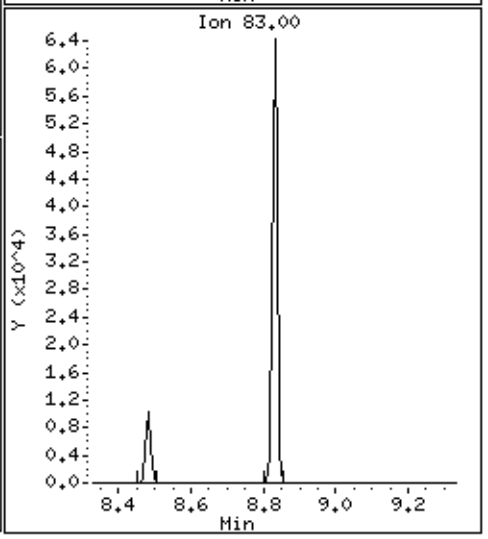
Concentration: 75.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

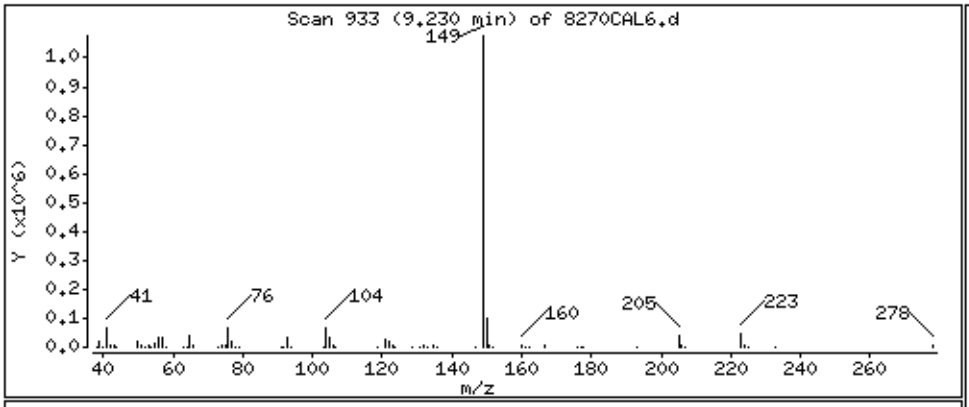
Operator: MJ

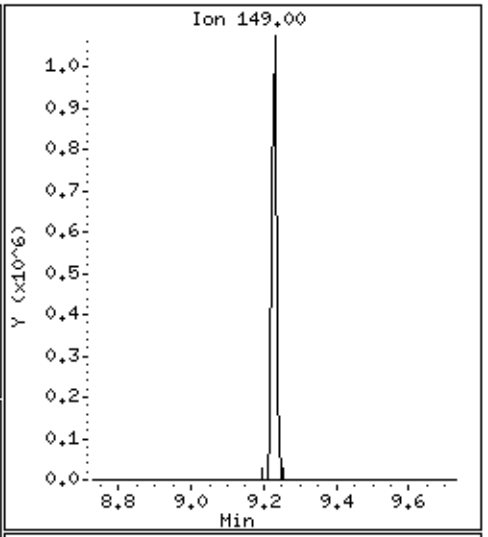
Column phase: HPMS-5

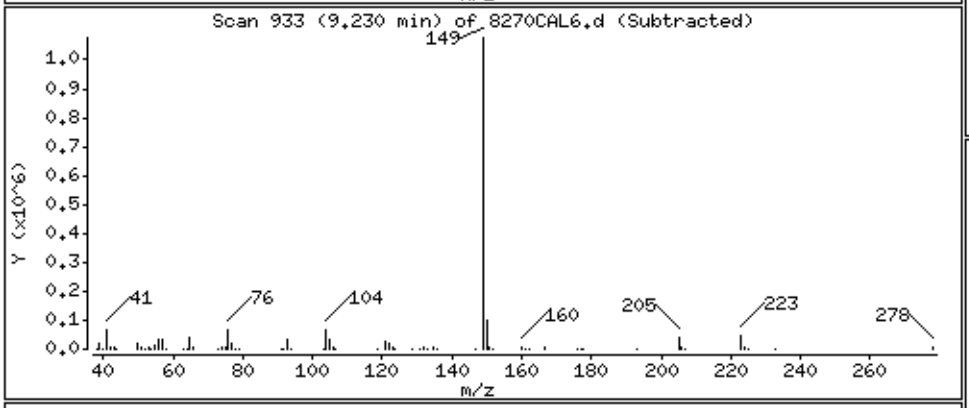
Column diameter: 0.25

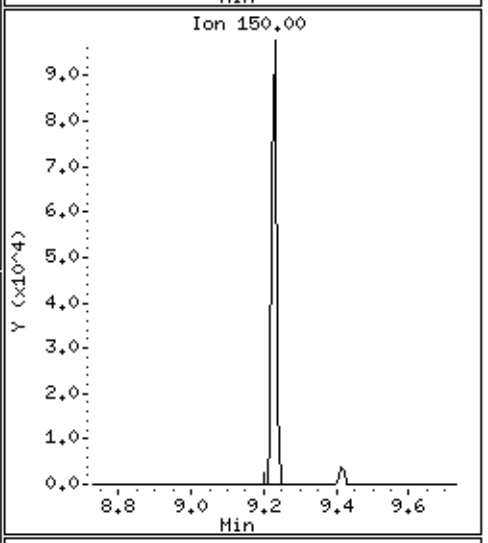
105 Di-n-butylphthalate

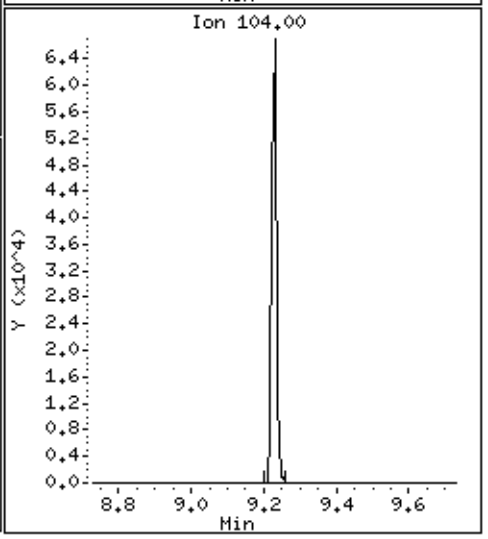
Concentration: 74.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

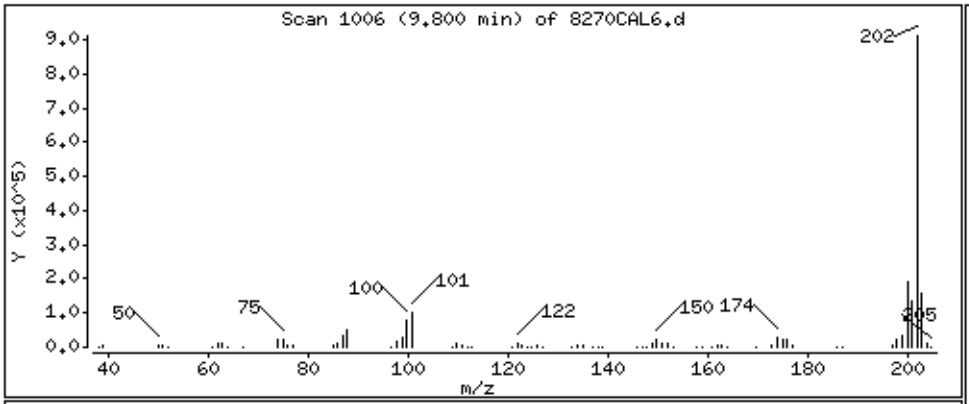
Operator: MJ

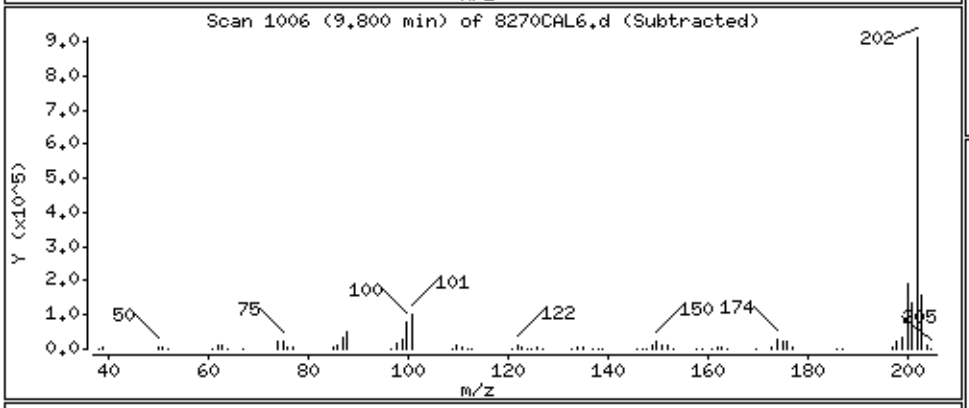
Column phase: HPMS-5

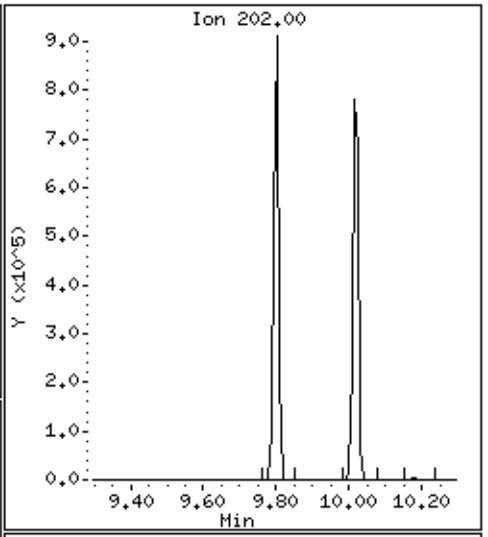
Column diameter: 0.25

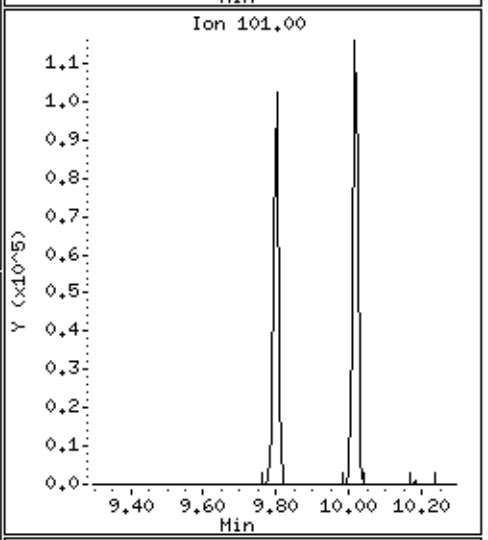
109 Fluoranthene

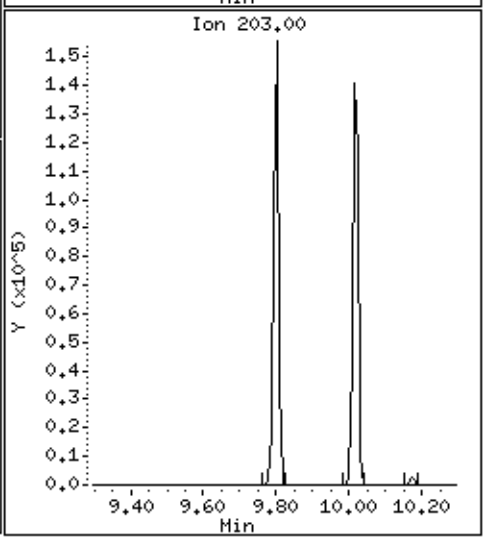
Concentration: 75.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

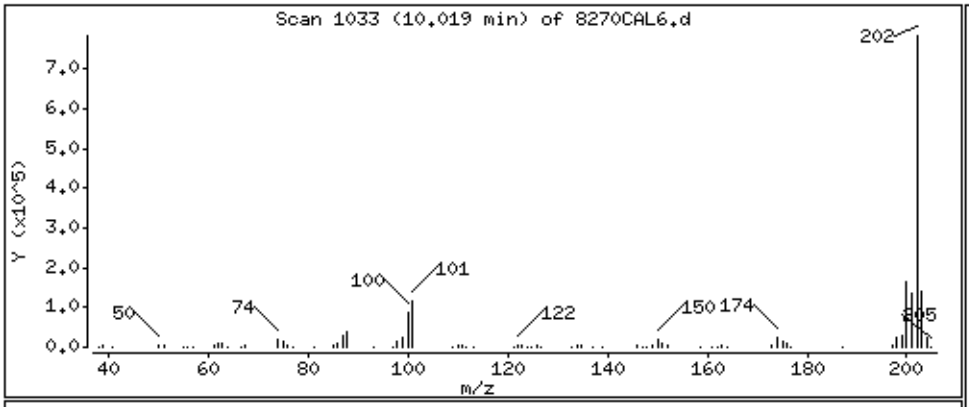
Operator: MJ

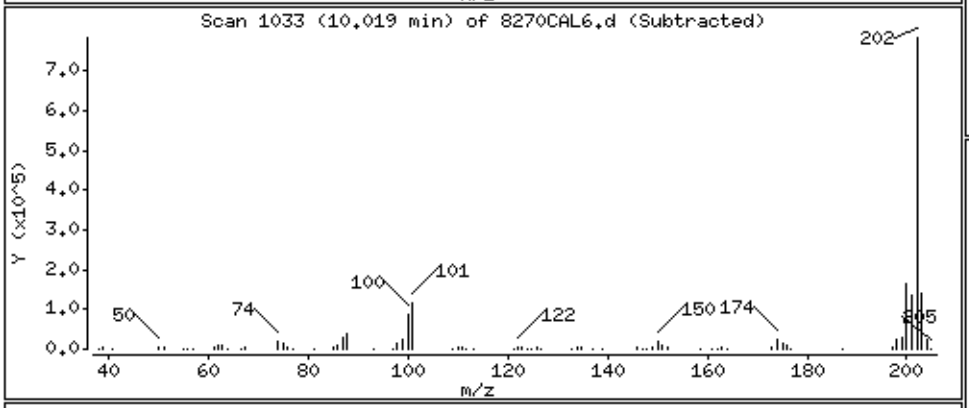
Column phase: HPMS-5

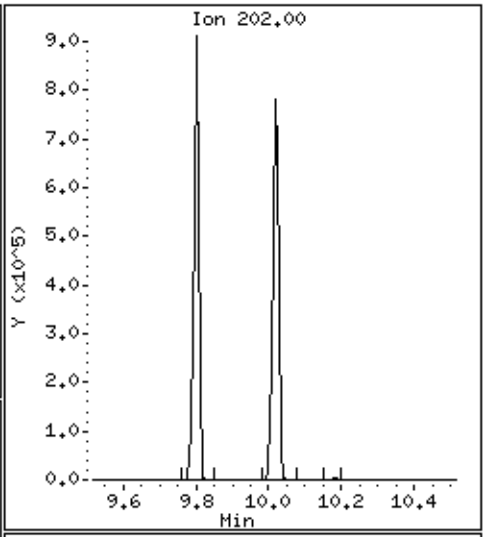
Column diameter: 0.25

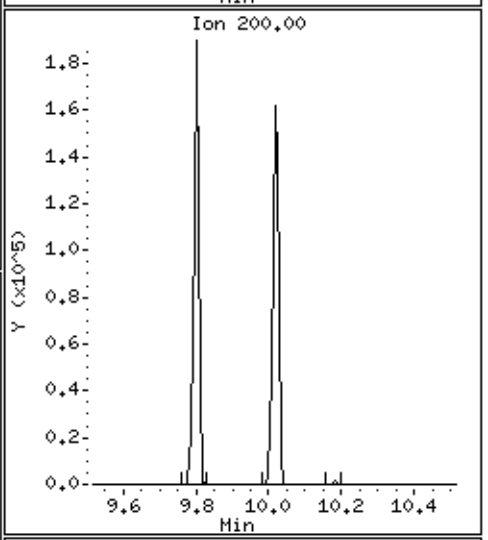
111 Pyrene

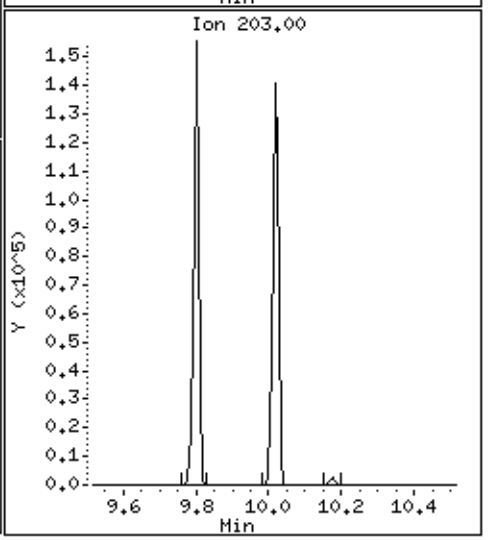
Concentration: 74.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

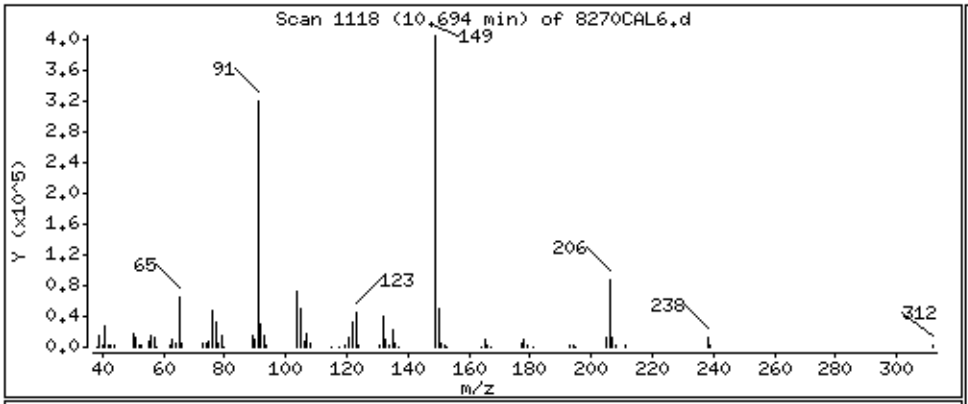
Operator: MJ

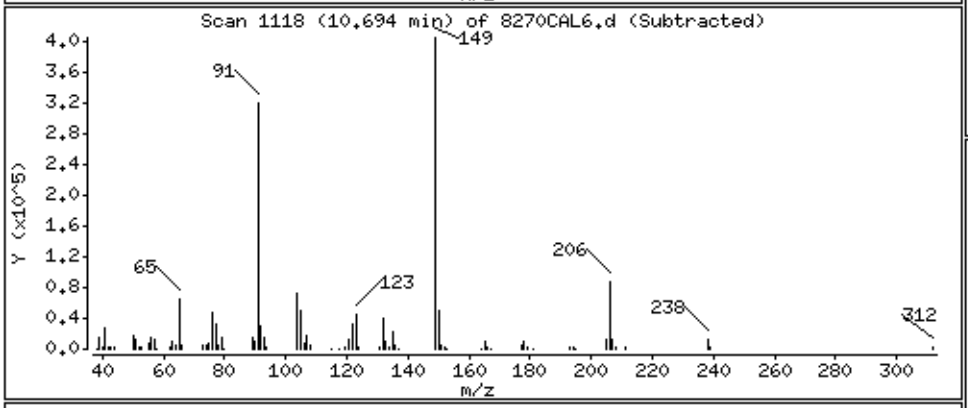
Column phase: HPMS-5

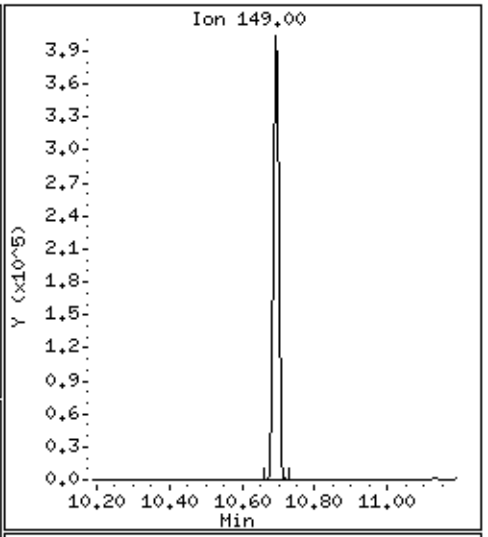
Column diameter: 0.25

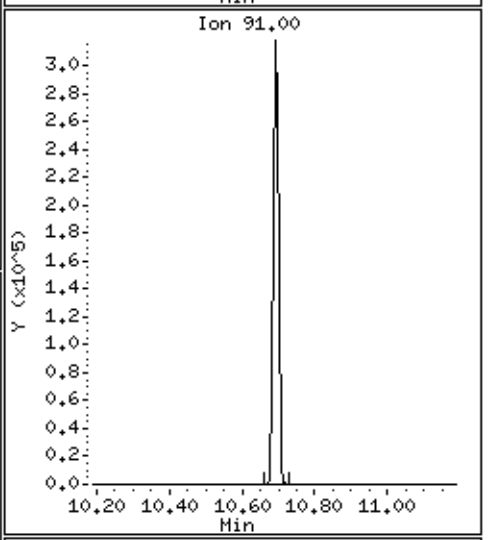
118 Butylbenzylphthalate

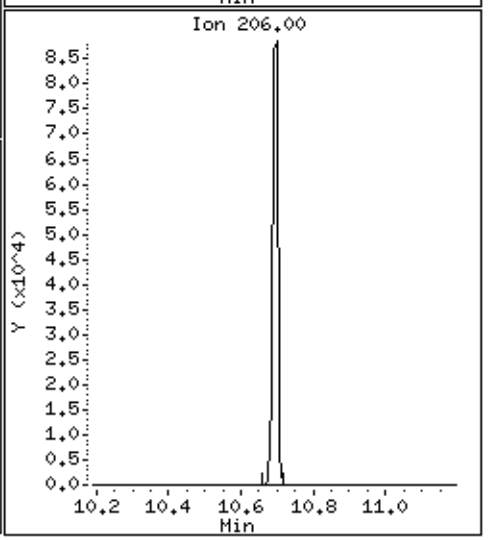
Concentration: 72.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

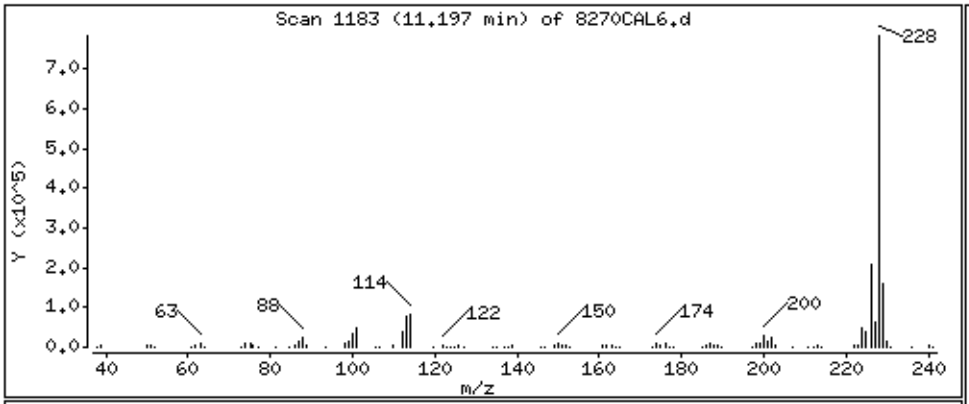
Operator: MJ

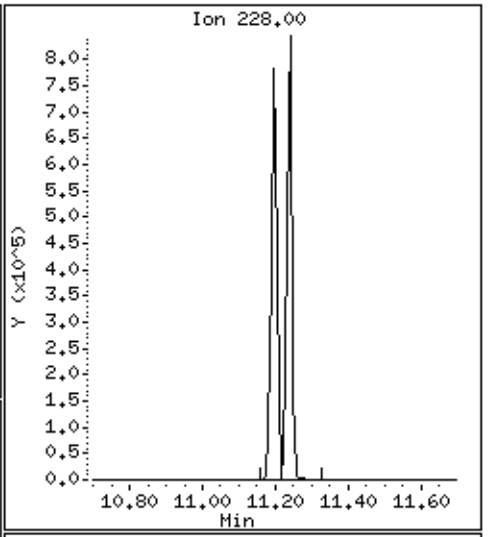
Column phase: HPMS-5

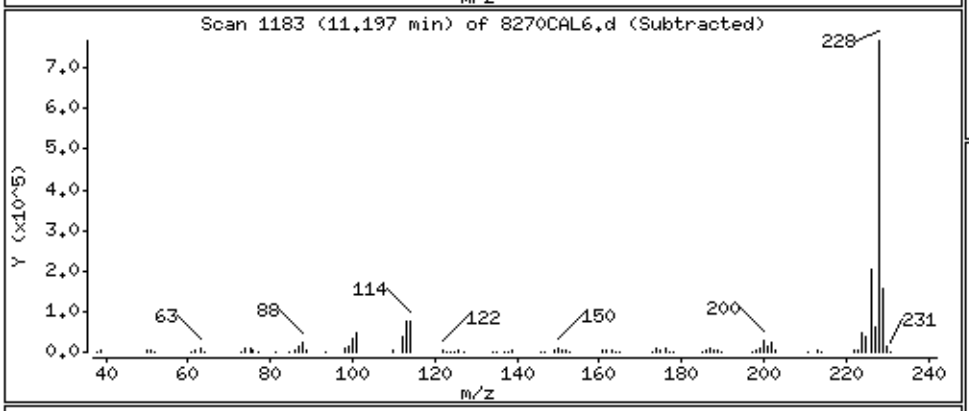
Column diameter: 0.25

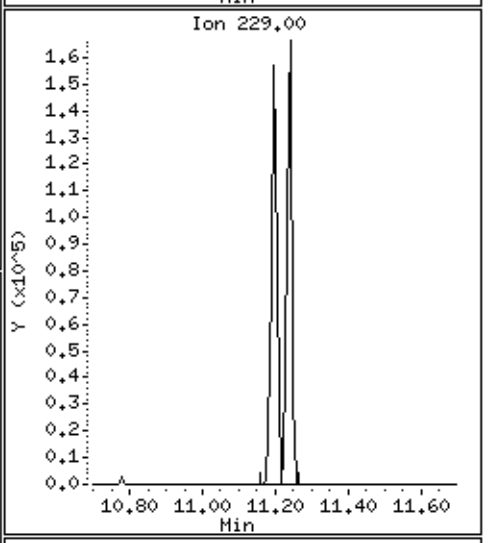
120 Benzo[a]anthracene

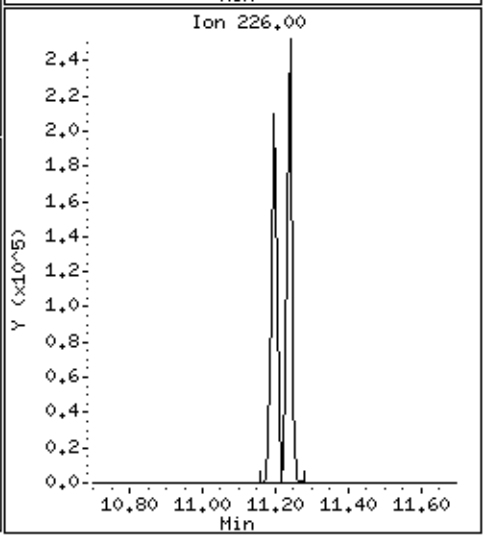
Concentration: 72.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

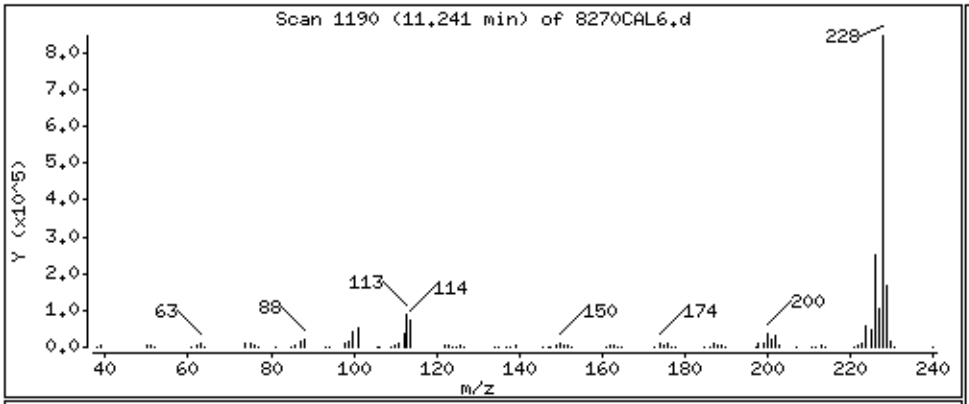
Operator: MJ

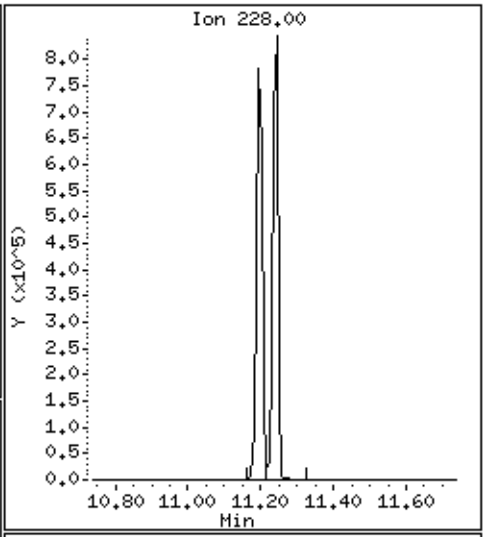
Column phase: HPMS-5

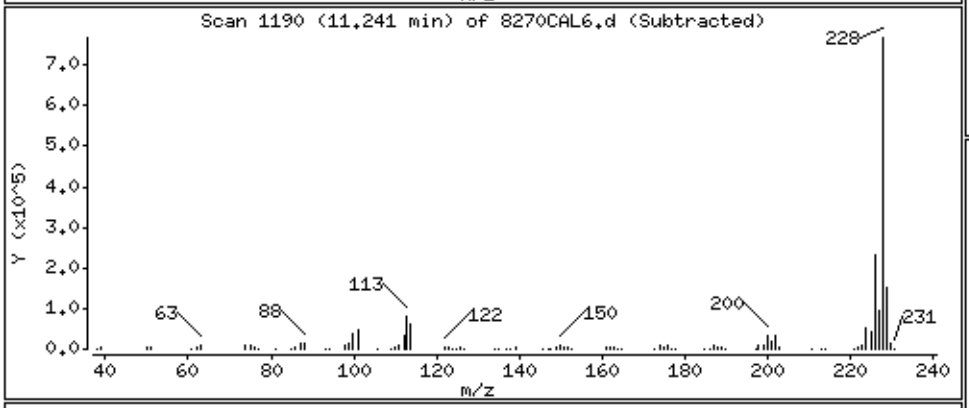
Column diameter: 0.25

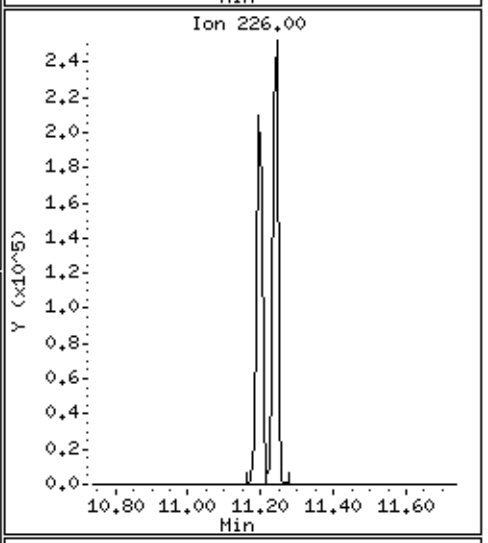
123 Chrysene

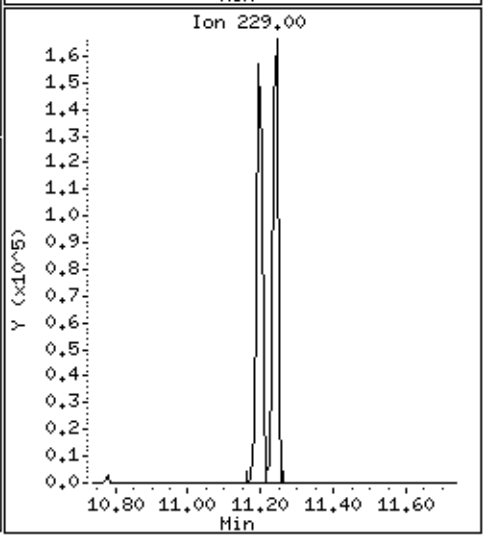
Concentration: 72.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

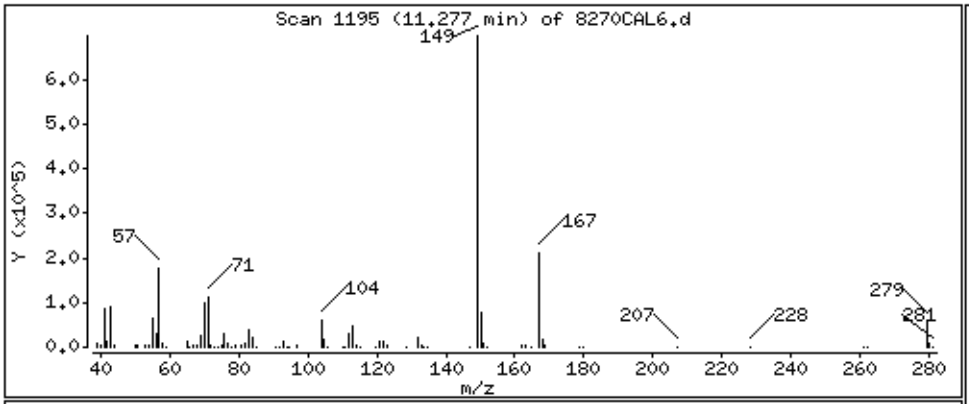
Operator: MJ

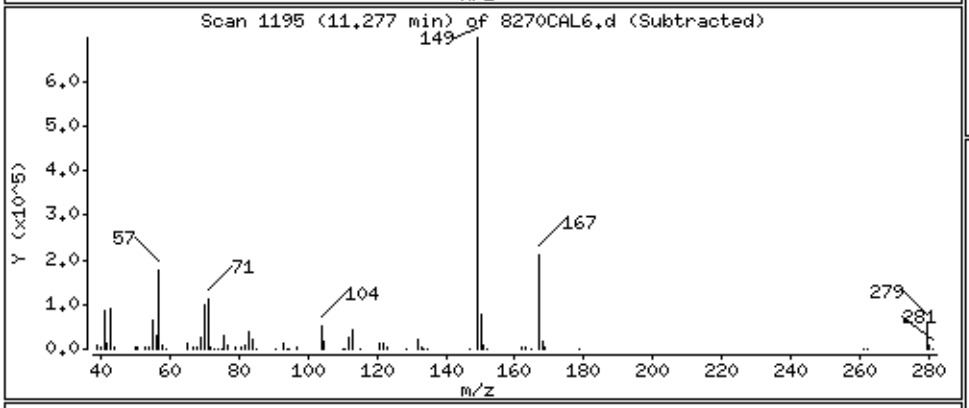
Column phase: HPMS-5

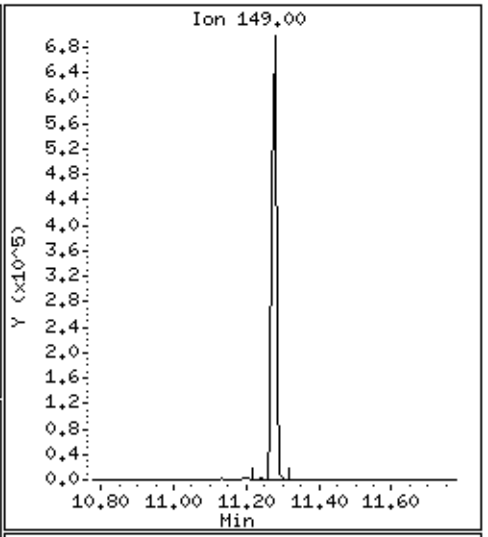
Column diameter: 0.25

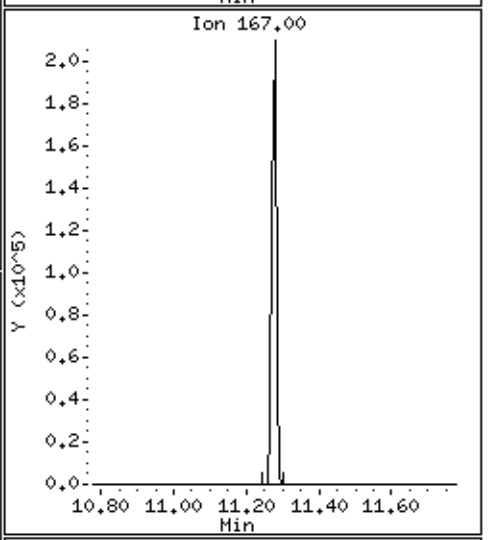
124 Bis-2-Ethylhexylphthalate

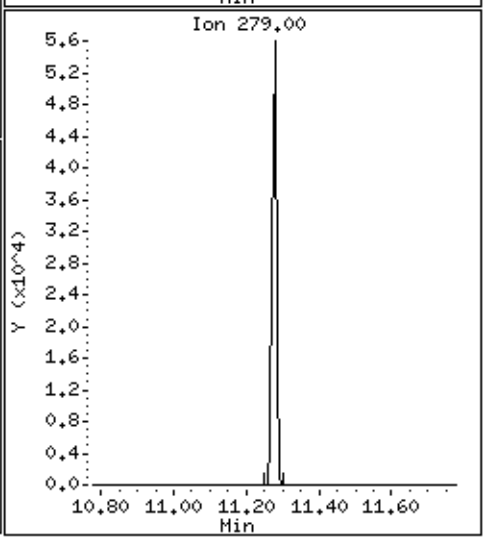
Concentration: 72.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

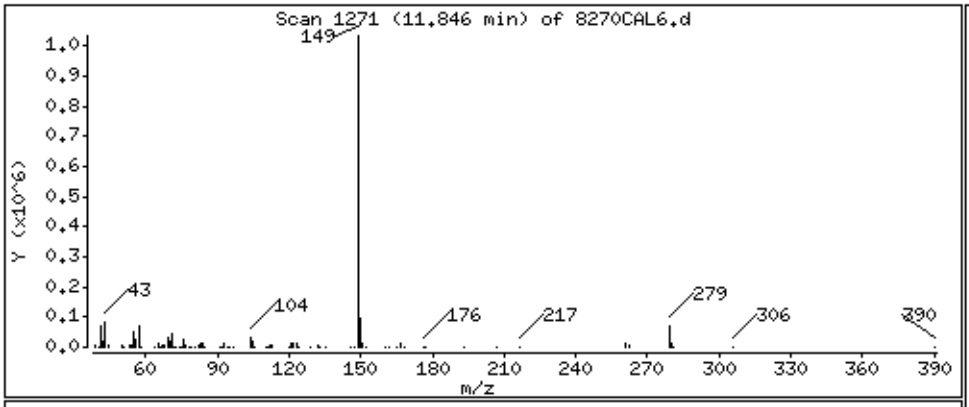
Operator: MJ

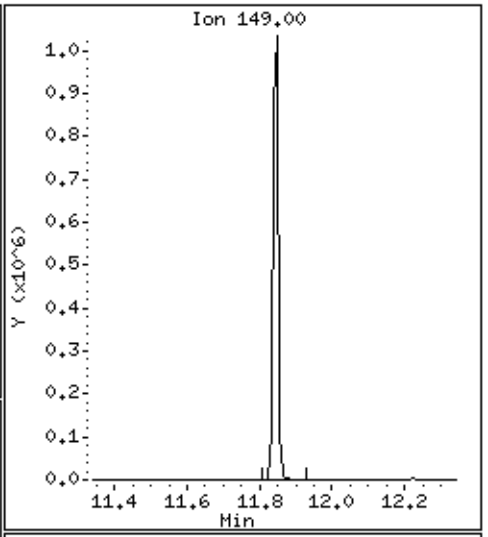
Column phase: HPMS-5

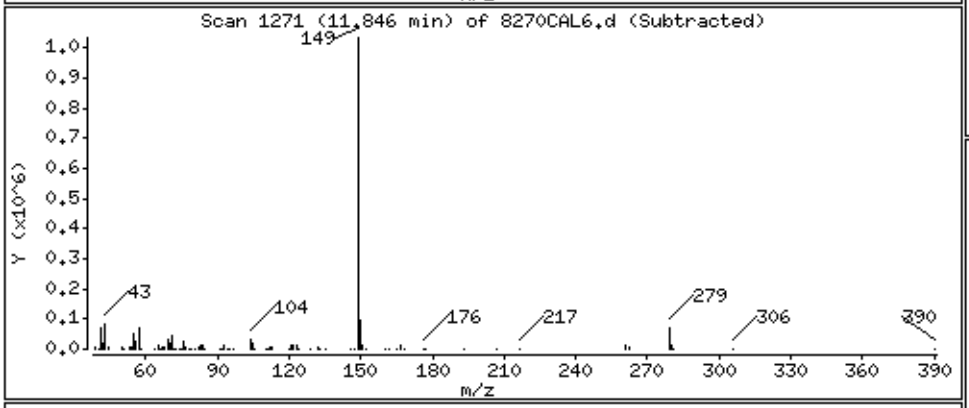
Column diameter: 0.25

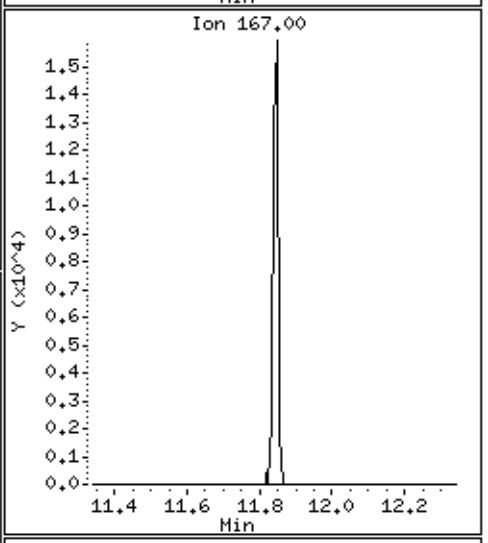
125 Di-n-octylphthalate

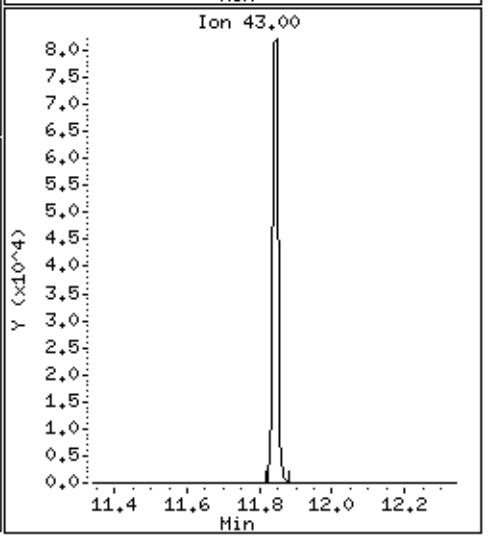
Concentration: 67.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

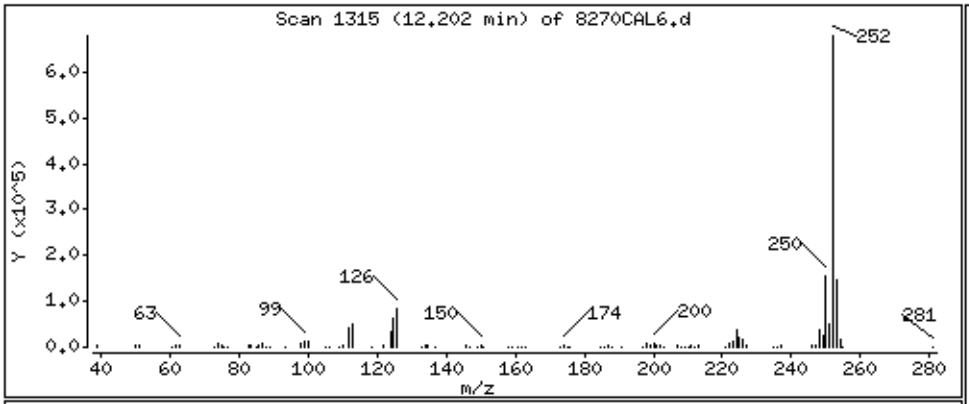
Operator: MJ

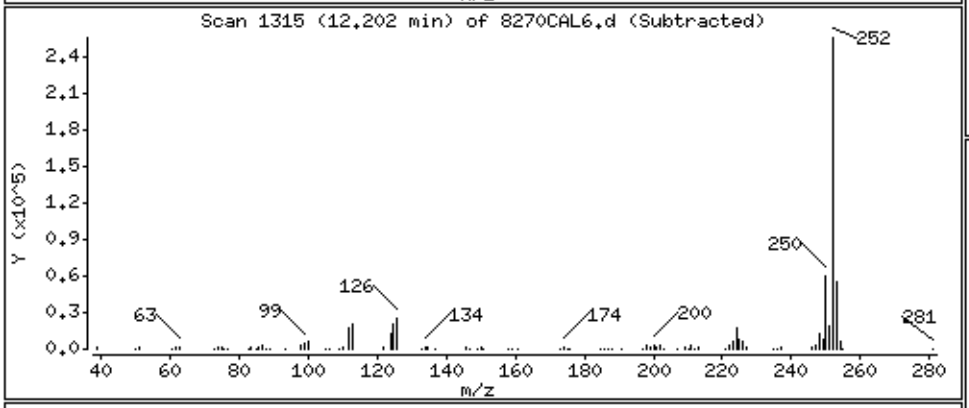
Column phase: HPMS-5

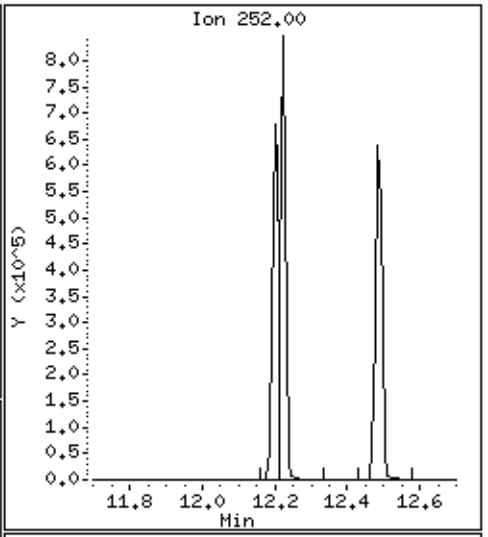
Column diameter: 0.25

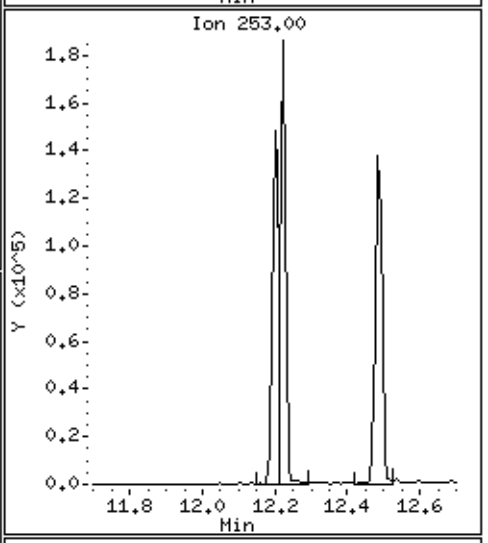
127 Benzo[b]fluoranthene

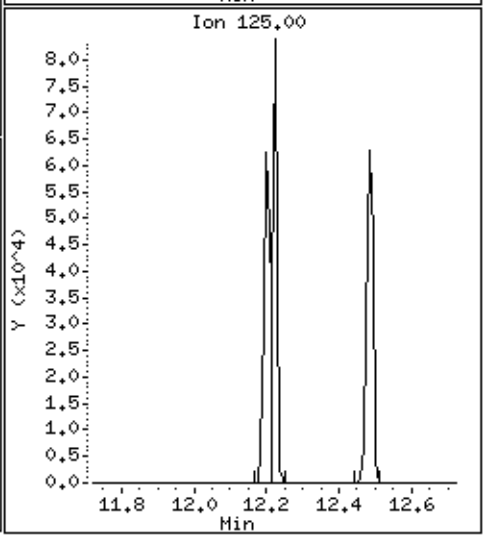
Concentration: 81.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

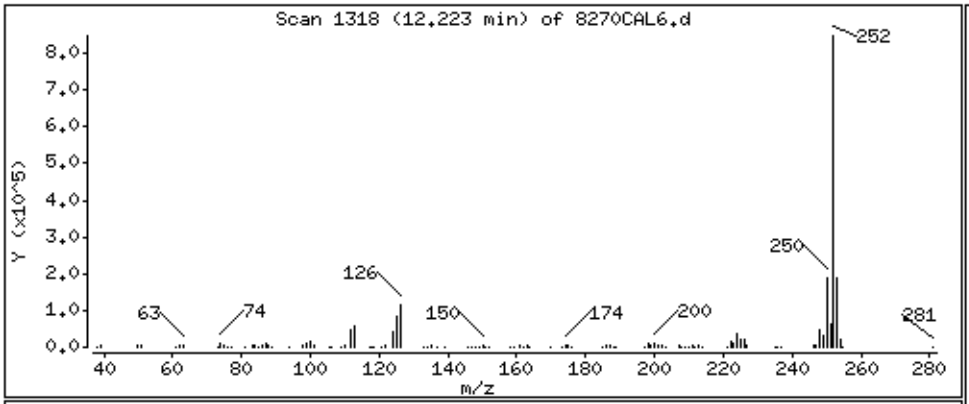
Operator: MJ

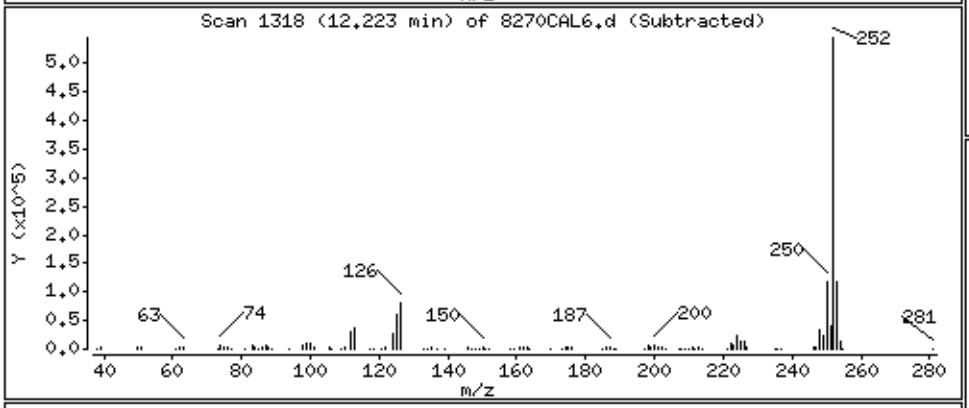
Column phase: HPMS-5

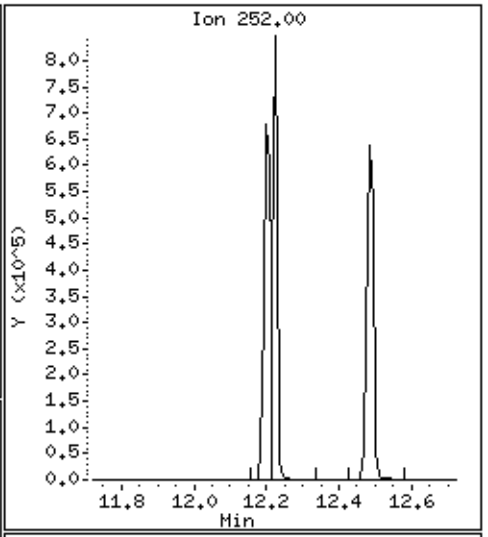
Column diameter: 0.25

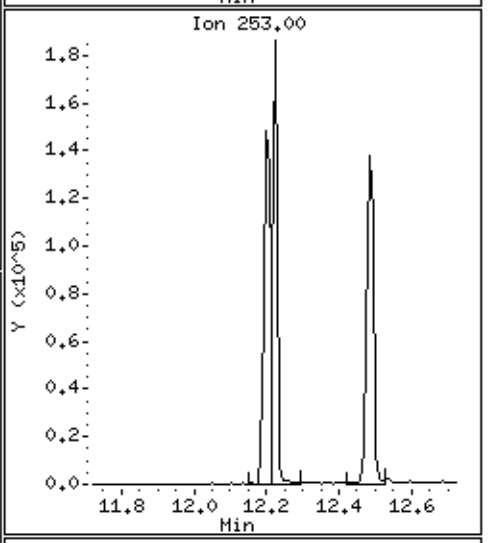
128 Benzo[k]fluoranthene

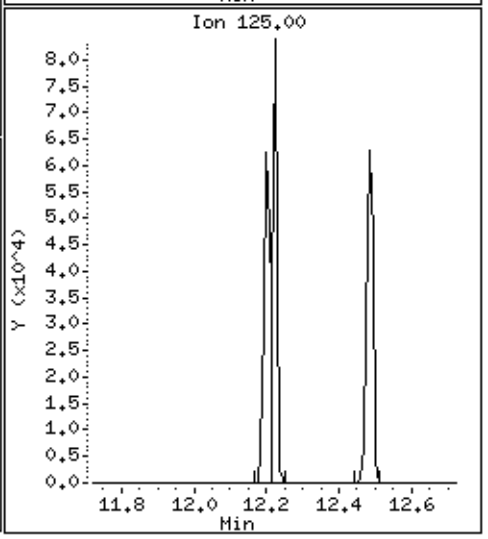
Concentration: 63.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

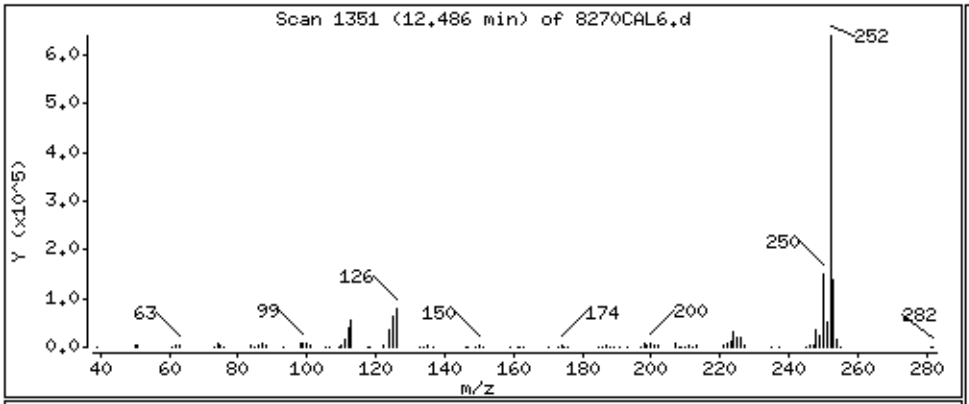
Operator: MJ

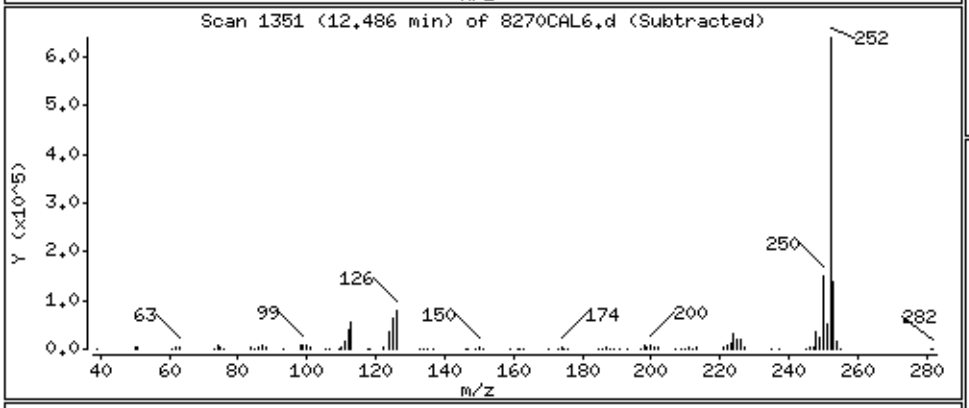
Column phase: HPMS-5

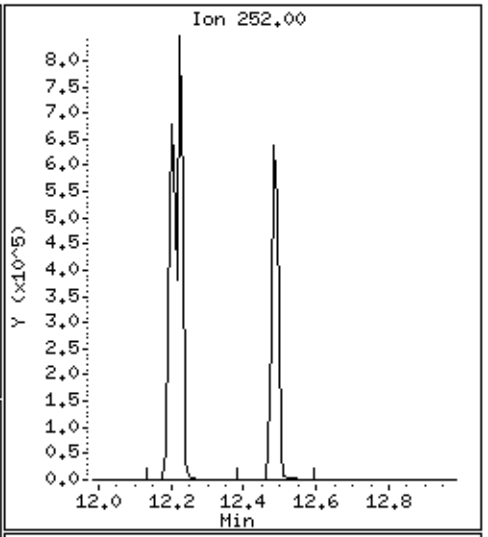
Column diameter: 0.25

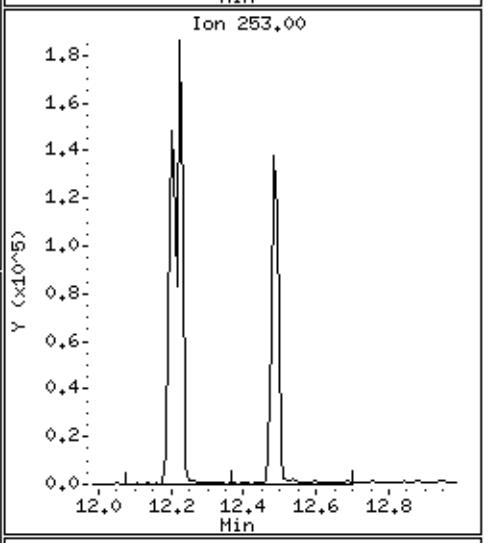
129 Benzo[a]pyrene

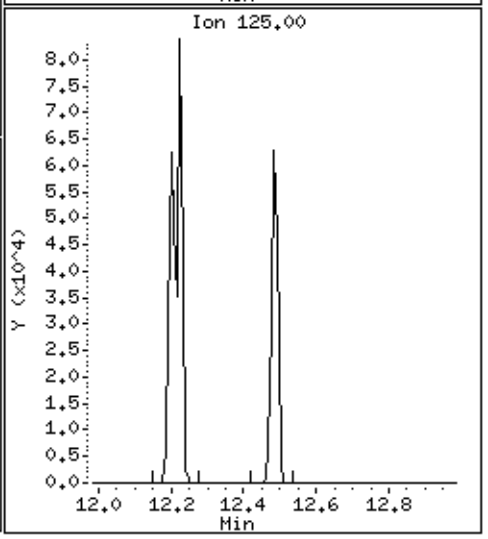
Concentration: 71.7 ug/kg











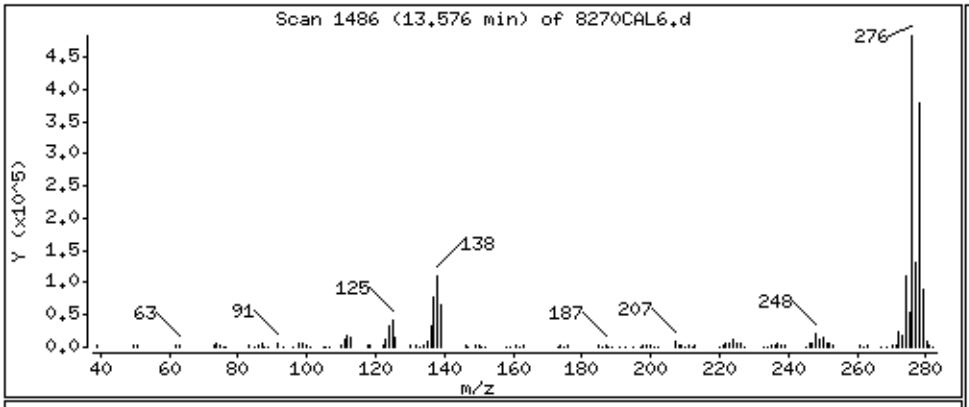
Date : 14-NOV-2012 23:01

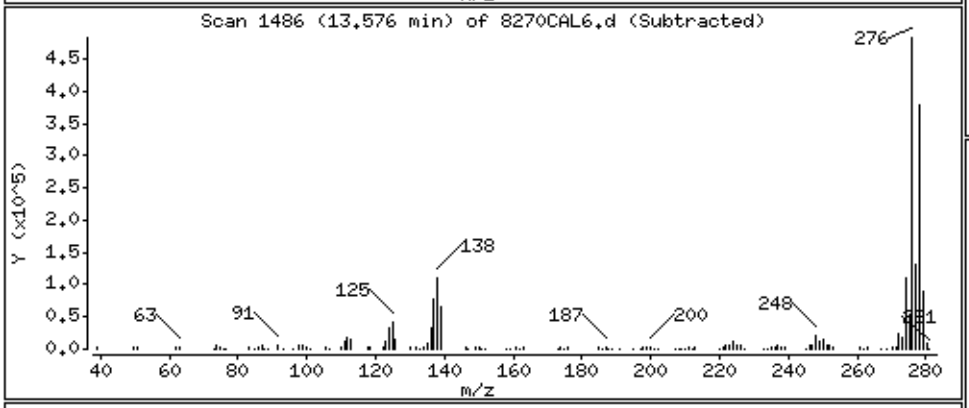
Client ID: 8270CAL6 Instrument: smsd04.i

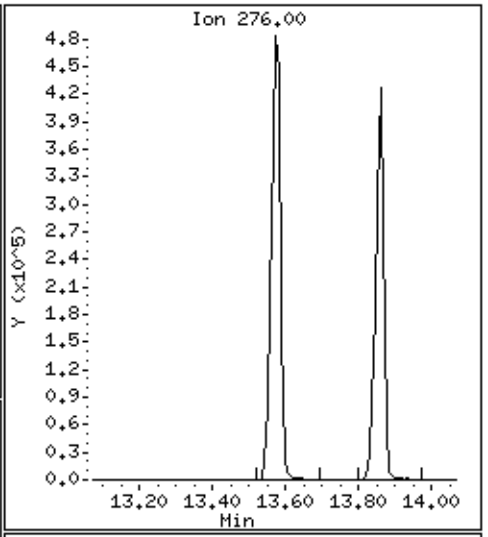
Sample Info: 47764 Operator: MJ

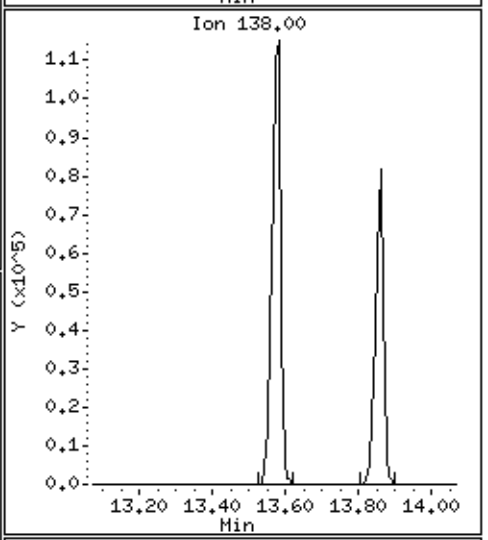
Column phase: HPMS-5 Column diameter: 0.25

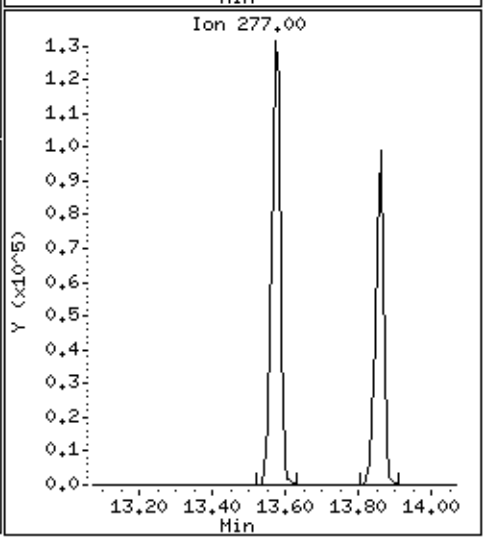
133 Indeno[1,2,3-cd]pyrene Concentration: 74.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL6.d

Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

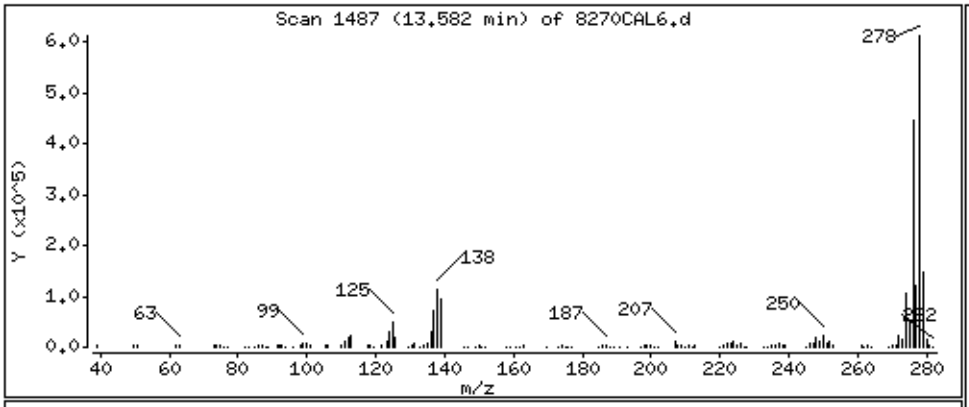
Operator: MJ

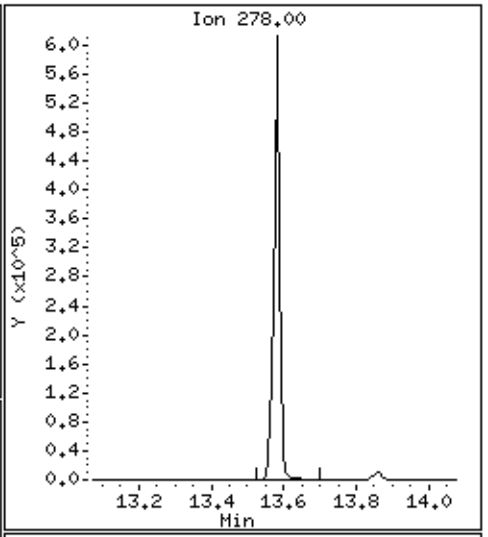
Column phase: HPMS-5

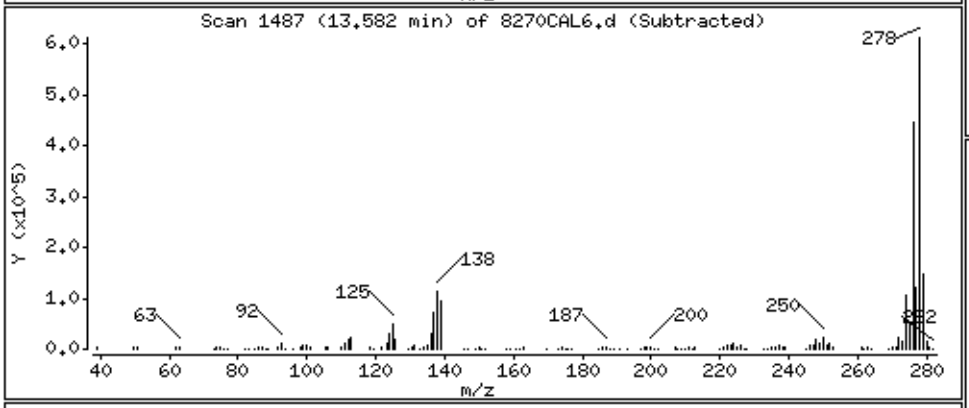
Column diameter: 0.25

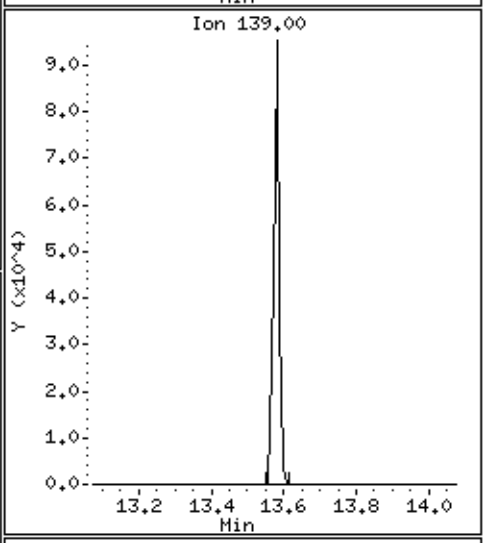
134 Dibenz[a,h]anthracene

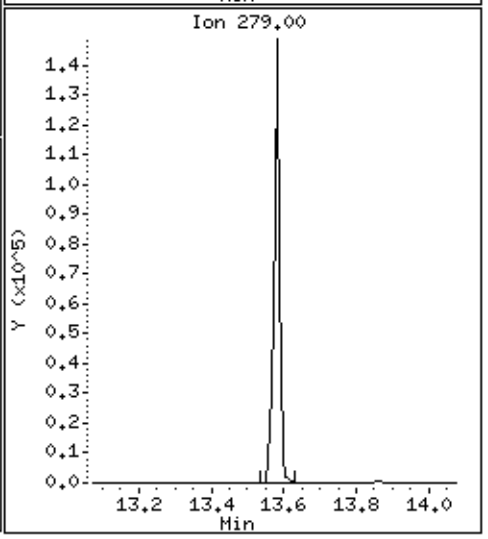
Concentration: 72.9 ug/kg











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Date : 14-NOV-2012 23:01

Client ID: 8270CAL6

Instrument: smsd04.i

Sample Info: 47764

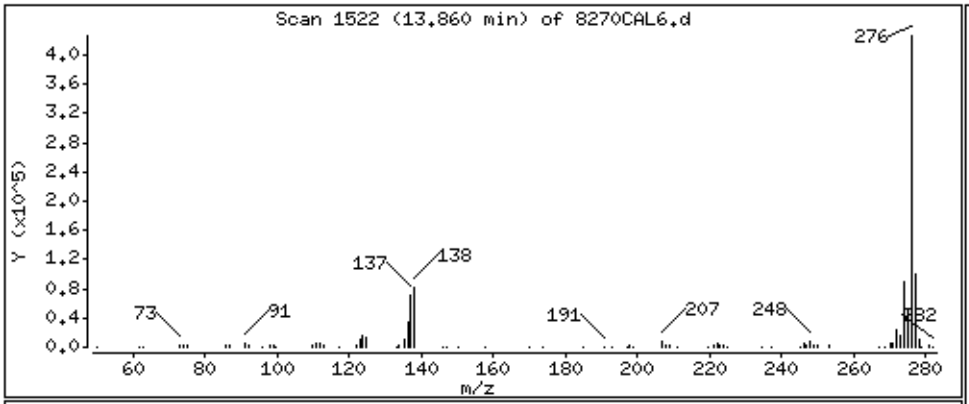
Operator: MJ

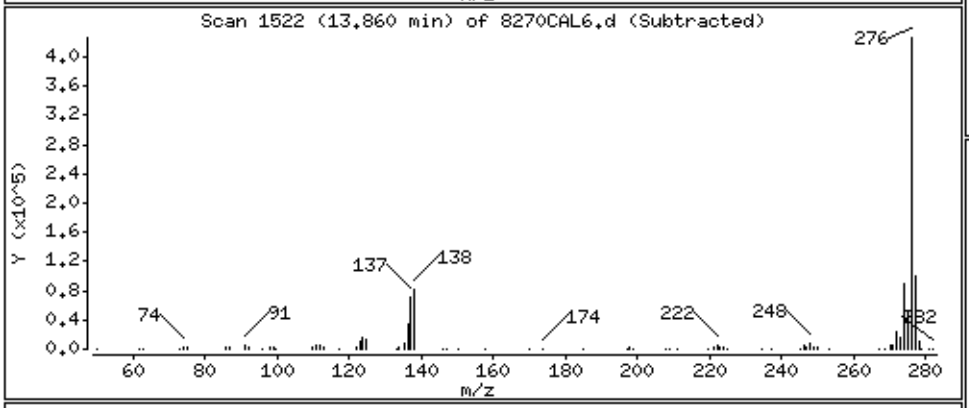
Column phase: HPMS-5

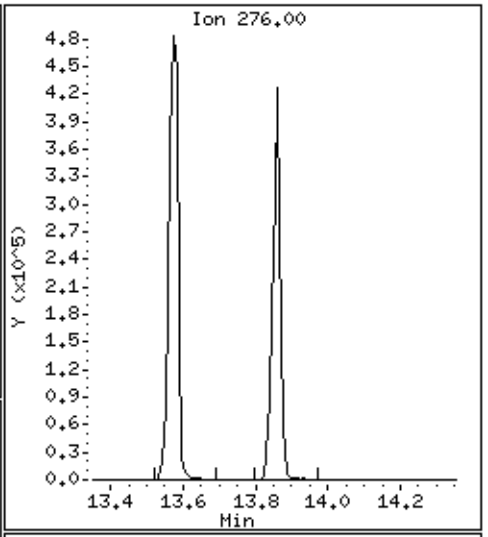
Column diameter: 0.25

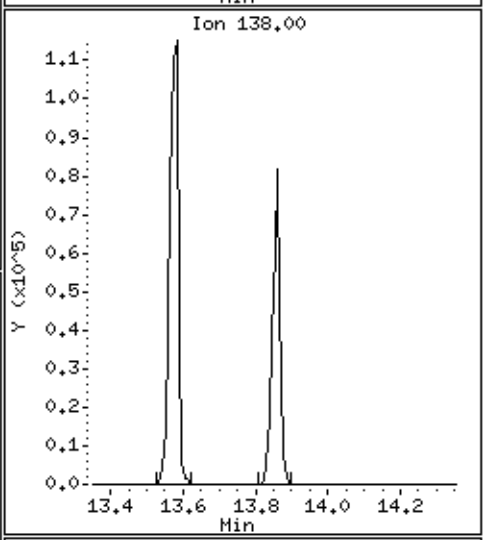
135 Benzo[g,h,i]perylene

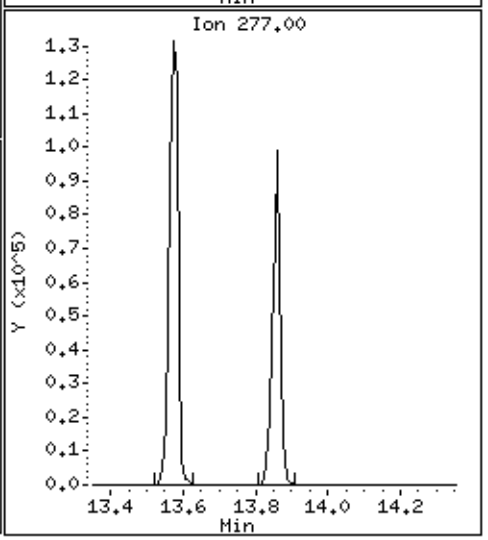
Concentration: 79.7 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d
Lab Smp Id: 47765 Client Smp ID: 8270CAL5
Inj Date : 14-NOV-2012 23:22 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47765
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 13:59 Cal File: AP9CAL5.d
Als bottle: 23 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
2 Pyridine						CAS #: 110-86-1		
2.228	2.228 (0.519)		79	206814	60.0000	59.0	80.00- 120.00	100.00
2.228	2.228 (0.519)		52	136724			35.30- 95.30	66.11
M 16 Cresols (Total)						CAS #: 1319-77-3		
				363240	120.000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.220	2.220 (0.517)		42	92510	60.0000	59.7	80.00- 120.00	100.00
2.221	2.220 (0.517)		74	118518			97.07- 157.07	128.11
2.220	2.221 (0.517)		44	4140			0.00- 34.98	4.48
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.247	3.246 (0.756)		112	365837	120.000	116	80.00- 120.00	100.00
3.247	3.246 (0.756)		64	223685			32.62- 92.62	61.14
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.008	4.006 (0.933)		99	463978	120.000	115	80.00- 120.00	100.00
4.008	4.006 (0.933)		42	91741			0.00- 49.74	19.77
4.008	4.006 (0.933)		71	196298			12.66- 72.66	42.31

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.018	4.016	(0.935)	94	268918	60.0000	58.2	80.00- 120.00	100.00
4.017	4.016	(0.935)	65	77976			0.94- 60.94	29.00
4.017	4.015	(0.935)	66	138156			21.40- 81.40	51.37
10 Aniline						CAS #: 62-53-3		
4.047	4.046	(0.942)	93	259017	60.0000	61.6	80.00- 120.00	100.00
4.047	4.046	(0.942)	65	59650			0.00- 50.97	23.03
4.047	4.046	(0.942)	66	108920			12.95- 72.95	42.05
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.094	4.094	(0.953)	93	181969	60.0000	59.7	80.00- 120.00	100.00
4.094	4.093	(0.953)	63	137278			43.04- 103.04	75.44
4.094	4.094	(0.953)	95	60980			1.90- 61.90	33.51
15 2-Chlorophenol						CAS #: 95-57-8		
4.143	4.142	(0.964)	128	177415	60.0000	59.2	80.00- 120.00	100.00
4.143	4.142	(0.964)	64	96257			24.14- 84.14	54.26
4.143	4.142	(0.964)	130	57393			2.15- 62.15	32.35
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.268	4.267	(0.993)	146	210660	60.0000	58.8	80.00- 120.00	100.00
4.268	4.267	(0.993)	148	134770			34.15- 94.15	63.98
4.268	4.267	(0.993)	111	91782			14.34- 74.34	43.57
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.297	4.294	(1.000)	152	94086	40.0000		80.00- 120.00	100.00
4.296	4.294	(1.000)	115	59606			34.81- 94.81	63.35
4.297	4.294	(1.000)	150	169657			126.51- 186.51	180.32
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.311	4.311	(1.003)	146	218041	60.0000	58.6	80.00- 120.00	100.00
4.311	4.311	(1.003)	148	141171			36.10- 96.10	64.75
4.311	4.311	(1.003)	111	95524			14.95- 74.95	43.81
21 Benzyl alcohol						CAS #: 100-51-6		
4.431	4.429	(1.031)	108	120441	60.0000	58.9	80.00- 120.00	100.00(M)
4.429	4.429	(1.031)	79	187485			126.03- 186.03	155.67
4.430	4.429	(1.031)	77	124493			76.75- 136.75	103.36
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.479	4.478	(1.042)	146	202159	60.0000	58.7	80.00- 120.00	100.00
4.479	4.478	(1.042)	148	128265			33.36- 93.36	63.45
4.479	4.478	(1.042)	111	95015			18.07- 78.07	47.00
22 2-Methylphenol						CAS #: 95-48-7		
4.539	4.538	(1.056)	107	144848	60.0000	58.9	80.00- 120.00	100.00
4.539	4.538	(1.056)	108	163896			83.56- 143.56	113.15
4.539	4.538	(1.056)	79	83744			27.79- 87.79	57.82
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.571	4.571	(1.064)	45	232107	60.0000	60.6	80.00- 120.00	100.00
4.571	4.571	(1.064)	77	41698			0.00- 47.34	17.96

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	23 2,2'-oxybis(1-chloropropane) (continued)							
4.572	4.571 (1.064)		121	62791			0.00- 56.71	27.05
	28 4-Methylphenol					CAS #: 106-44-5		
4.670	4.668 (1.087)		107	218392	60.0000	58.6	80.00- 120.00	100.00
4.670	4.668 (1.087)		108	177104			51.88- 111.88	81.09
4.670	4.668 (1.087)		79	59697			0.00- 57.76	27.33
	26 N-Nitrosodinpropylamine					CAS #: 621-64-7		
4.699	4.699 (1.094)		70	158539	60.0000	61.0	80.00- 120.00	100.00(M)
4.701	4.699 (1.094)		42	82264			21.53- 81.53	51.89
4.701	4.699 (1.094)		130	33418			0.00- 51.40	21.08
	30 Hexachloroethane					CAS #: 67-72-1		
4.754	4.753 (1.106)		117	93268	60.0000	59.8	80.00- 120.00	100.00
4.754	4.754 (1.106)		201	87910			63.39- 123.39	94.26
4.754	4.754 (1.106)		199	56038			26.40- 86.40	60.08
$	31 Nitrobenzene-d5 (SURR)					CAS #: 4165-60-0		
4.819	4.818 (0.881)		82	239697	60.0000	58.9	80.00- 120.00	100.00
4.819	4.818 (0.881)		128	88940			6.68- 66.68	37.11
4.819	4.818 (0.881)		54	116759			19.12- 79.12	48.71
	32 Nitrobenzene					CAS #: 98-95-3		
4.835	4.834 (0.884)		77	239717	60.0000	60.5	80.00- 120.00	100.00
4.835	4.835 (0.884)		123	88031			6.73- 66.73	36.72
4.835	4.834 (0.884)		65	33965			0.00- 43.84	14.17
	34 Isophorone					CAS #: 78-59-1		
5.048	5.046 (0.923)		82	417648	60.0000	60.5	80.00- 120.00	100.00
5.048	5.047 (0.923)		138	65559			0.00- 45.91	15.70
5.048	5.046 (0.923)		95	33083			0.00- 37.77	7.92
	35 2-Nitrophenol					CAS #: 88-75-5		
5.128	5.128 (0.938)		139	100995	60.0000	59.8	80.00- 120.00	100.00
5.128	5.127 (0.938)		65	65074			33.65- 93.65	64.43
5.128	5.127 (0.938)		109	44161			13.08- 73.08	43.73
	36 2,4-Dimethylphenol					CAS #: 105-67-9		
5.159	5.158 (0.944)		122	149380	60.0000	59.6	80.00- 120.00	100.00
5.159	5.158 (0.944)		107	198556			100.42- 160.42	132.92
5.159	5.158 (0.944)		121	87688			27.73- 87.73	58.70
	38 Bis(2-Chloroethoxy)methane					CAS #: 111-91-1		
5.253	5.252 (0.961)		93	237132	60.0000	59.2	80.00- 120.00	100.00
5.253	5.252 (0.961)		95	78322			2.66- 62.66	33.03
5.253	5.252 (0.961)		123	34358			0.00- 43.79	14.49
	40 Benzoic Acid					CAS #: 65-85-0		
5.276	5.267 (0.965)		122	101251	60.0000	57.4	80.00- 120.00	100.00
5.276	5.267 (0.965)		105	147522			114.27- 174.27	145.70
5.275	5.267 (0.965)		77	129359			94.81- 154.81	127.76

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol					CAS #: 120-83-2		
5.343	5.342	(0.977)	162	170590	60.0000	58.8	80.00- 120.00	100.00
5.343	5.342	(0.977)	164	110080			34.34- 94.34	64.53
5.343	5.342	(0.977)	98	64271			8.30- 68.30	37.68
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.428	5.427	(0.993)	180	187411	60.0000	58.5	80.00- 120.00	100.00
5.428	5.427	(0.993)	182	179603			69.17- 129.17	95.83
5.428	5.427	(0.993)	145	56231			0.41- 60.41	30.00
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.468	5.463	(1.000)	136	316942	40.0000		80.00- 120.00	100.00
5.468	5.463	(1.000)	68	23527			0.00- 37.51	7.42
	44 Naphthalene					CAS #: 91-20-3		
5.486	5.486	(1.003)	128	504204	60.0000	58.8	80.00- 120.00	100.00
5.486	5.485	(1.003)	129	55160			0.00- 40.78	10.94
5.486	5.486	(1.003)	127	66866			0.00- 42.17	13.26
	45 4-Chloroaniline					CAS #: 106-47-8		
5.552	5.552	(1.015)	127	210056	60.0000	59.4	80.00- 120.00	100.00
5.552	5.552	(1.015)	129	67683			2.29- 62.29	32.22
5.552	5.551	(1.015)	65	77697			8.57- 68.57	36.99
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.654	5.654	(1.034)	225	132697	60.0000	58.4	80.00- 120.00	100.00
5.654	5.654	(1.034)	223	84739			31.81- 91.81	63.86
5.654	5.654	(1.034)	227	85873			34.78- 94.78	64.71
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.010	6.009	(1.099)	107	183348	60.0000	59.0	80.00- 120.00	100.00
6.010	6.009	(1.099)	144	43466			0.00- 53.54	23.71
6.010	6.009	(1.099)	142	135481			43.91- 103.91	73.89
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.143	6.141	(1.123)	142	348276	60.0000	59.0	80.00- 120.00	100.00
6.143	6.141	(1.123)	141	296681			55.50- 115.50	85.19
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.248	6.247	(1.143)	142	318662	60.0000	58.5	80.00- 120.00	100.00
6.248	6.247	(1.143)	141	285791			58.78- 118.78	89.68
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.361	6.360	(0.887)	237	128331	60.0000	61.9	80.00- 120.00	100.00
6.360	6.360	(0.887)	235	80063			33.42- 93.42	62.39
6.361	6.360	(0.887)	272	17294			0.00- 41.88	13.48
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.439	6.438	(0.898)	196	130106	60.0000	59.6	80.00- 120.00	100.00
6.439	6.438	(0.898)	198	125001			67.54- 127.54	96.08
6.439	6.438	(0.898)	200	40326			1.18- 61.18	30.99
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.473	6.472	(0.903)	196	142478	60.0000	58.8	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
	58 2,4,5-Trichlorophenol (continued)							
6.473	6.472	(0.903)	198	133986			64.33- 124.33	94.04
6.473	6.472	(0.903)	97	84872			27.55- 87.55	59.57
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.516	6.514	(0.909)	172	439543	60.0000	59.2	80.00- 120.00	100.00
6.516	6.514	(0.909)	171	151996			4.90- 64.90	34.58
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.612	6.610	(0.922)	162	363428	60.0000	59.3	80.00- 120.00	100.00
6.612	6.610	(0.922)	164	118343			1.75- 61.75	32.56
6.611	6.610	(0.922)	127	143912			8.71- 68.71	39.60
	63 2-Nitroaniline					CAS #: 88-74-4		
6.741	6.741	(0.940)	65	133072	60.0000	61.6	80.00- 120.00	100.00
6.741	6.741	(0.940)	92	86383			35.13- 95.13	64.91
6.741	6.741	(0.940)	138	119881			59.53- 119.53	90.09
	65 Dimethylphthalate					CAS #: 131-11-3		
6.951	6.950	(0.969)	163	437989	60.0000	61.8	80.00- 120.00	100.00
6.951	6.950	(0.969)	194	25383			0.00- 35.76	5.80
6.951	6.949	(0.969)	164	42591			0.00- 39.66	9.72
	68 Acenaphthylene					CAS #: 208-96-8		
7.021	7.020	(0.979)	152	583596	60.0000	59.4	80.00- 120.00	100.00
7.021	7.020	(0.979)	151	115715			0.00- 50.20	19.83
7.021	7.020	(0.979)	153	74973			0.00- 43.02	12.85
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.016	7.015	(0.978)	165	104986	60.0000	61.2	80.00- 120.00	100.00
7.016	7.015	(0.978)	89	70873			39.45- 99.45	67.51
7.017	7.016	(0.979)	63	104707			74.66- 134.66	99.73
	69 3-Nitroaniline					CAS #: 99-09-2		
7.148	7.146	(0.997)	138	94903	60.0000	60.9	80.00- 120.00	100.00
7.148	7.146	(0.997)	108	11442			0.00- 42.35	12.06
7.147	7.145	(0.997)	92	126246			104.62- 164.62	133.03
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.171	7.167	(1.000)	164	202489	40.0000		80.00- 120.00	100.00
7.171	7.168	(1.000)	162	192740			66.12- 126.12	95.19
7.171	7.167	(1.000)	160	86659			13.21- 73.21	42.80
	71 Acenaphthene					CAS #: 83-32-9		
7.201	7.201	(1.004)	154	329362	60.0000	59.1	80.00- 120.00	100.00
7.201	7.200	(1.004)	153	353455			77.18- 137.18	107.32
7.201	7.200	(1.004)	152	170706			21.21- 81.21	51.83
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.243	7.243	(1.010)	184	60124	60.0000	63.9	80.00- 120.00	100.00
7.243	7.242	(1.010)	63	45782			48.18- 108.18	76.15
7.243	7.242	(1.010)	154	39456			33.05- 93.05	65.62

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.306	7.303 (1.019)		109	85623	60.0000	60.4	80.00- 120.00	100.00
7.306	7.303 (1.019)		139	80342			61.80- 121.80	93.83
7.305	7.303 (1.019)		65	97297			80.41- 140.41	113.63
75 Dibenzofuran						CAS #: 132-64-9		
7.356	7.355 (1.026)		168	511324	60.0000	59.8	80.00- 120.00	100.00
7.355	7.355 (1.026)		139	212390			10.69- 70.69	41.54
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.394	7.392 (1.031)		165	127124	60.0000	60.0	80.00- 120.00	100.00
7.393	7.392 (1.031)		63	67580			23.55- 83.55	53.16
7.394	7.392 (1.031)		89	105808			51.82- 111.82	83.23
80 Diethylphthalate						CAS #: 84-66-2		
7.641	7.640 (1.066)		149	427766	60.0000	60.0	80.00- 120.00	100.00
7.641	7.640 (1.066)		177	93613			0.00- 51.79	21.88
7.641	7.640 (1.066)		150	51654			0.00- 42.28	12.08
81 Fluorene						CAS #: 86-73-7		
7.691	7.690 (1.073)		166	459339	60.0000	59.1	80.00- 120.00	100.00
7.691	7.690 (1.073)		165	429895			61.04- 121.04	93.59
7.691	7.690 (1.073)		167	62443			0.00- 43.06	13.59
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.691	7.690 (1.073)		204	240363	60.0000	58.8	80.00- 120.00	100.00
7.691	7.690 (1.073)		206	80891			2.85- 62.85	33.65
7.690	7.690 (1.072)		141	145430			29.43- 89.43	60.50
84 4-Nitroaniline						CAS #: 100-01-6		
7.752	7.750 (1.081)		138	88939	60.0000	61.8	80.00- 120.00	100.00
7.752	7.749 (1.081)		92	52063			30.30- 90.30	58.54
7.752	7.749 (1.081)		108	101058			85.44- 145.44	113.63
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.792	7.790 (0.906)		198	89959	60.0000	58.9	80.00- 120.00	100.00
7.791	7.789 (0.905)		51	35122			21.07- 81.07	39.04
7.792	7.789 (0.906)		105	39961			14.43- 74.43	44.42
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.816	7.814 (0.908)		169	280289	60.0000	59.0	80.00- 120.00	100.00
7.817	7.815 (0.908)		168	196912			41.33- 101.33	70.25
7.816	7.815 (0.908)		167	97713			5.93- 65.93	34.86
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.846	7.845 (1.094)		77	482760	60.0000	58.3	80.00- 120.00	100.00
7.846	7.845 (1.094)		105	66842			0.00- 44.08	13.85
7.846	7.845 (1.094)		182	113741			0.00- 53.69	23.56
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.947	7.946 (1.108)		330	160135	120.000	116	80.00- 120.00	100.00
7.947	7.946 (1.108)		332	156375			65.21- 125.21	97.65
7.946	7.945 (1.108)		141	65044			10.78- 70.78	40.62

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		
8.165	8.163	(0.949)	248	137706	60.0000	58.5	80.00- 120.00	100.00
8.165	8.163	(0.949)	250	134371			66.63- 126.63	97.58
8.164	8.162	(0.949)	141	108961			49.24- 109.24	79.13
	94 Hexachlorobenzene					CAS #: 118-74-1		
8.309	8.307	(0.966)	284	157474	60.0000	58.9	80.00- 120.00	100.00
8.308	8.307	(0.966)	142	59644			10.52- 70.52	37.88
8.308	8.307	(0.966)	249	50435			1.60- 61.60	32.03
	96 Pentachlorophenol					CAS #: 87-86-5		
8.481	8.480	(0.986)	266	100188	60.0000	61.7	80.00- 120.00	100.00
8.481	8.481	(0.986)	264	60482			33.54- 93.54	60.37
8.481	8.481	(0.986)	268	63678			34.39- 94.39	63.56
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.604	8.604	(1.000)	188	361373	40.0000		80.00- 120.00	100.00
8.604	8.604	(1.000)	94	38493			0.00- 40.39	10.65
8.604	8.603	(1.000)	80	42726			0.00- 41.55	11.82
	101 Phenanthrene					CAS #: 85-01-8		
8.627	8.626	(1.003)	178	601483	60.0000	58.8	80.00- 120.00	100.00
8.627	8.626	(1.003)	179	92124			0.00- 45.20	15.32
8.627	8.626	(1.003)	176	114939			0.00- 48.69	19.11
	103 Anthracene					CAS #: 120-12-7		
8.670	8.670	(1.008)	178	537797	60.0000	58.6	80.00- 120.00	100.00
8.670	8.670	(1.008)	179	82064			0.00- 45.53	15.26
8.670	8.670	(1.008)	176	99998			0.00- 49.11	18.59
	104 Carbazole					CAS #: 86-74-8		
8.831	8.830	(1.026)	167	542542	60.0000	60.1	80.00- 120.00	100.00
8.830	8.830	(1.026)	139	72334			0.00- 43.72	13.33
8.830	8.830	(1.026)	83	50848			0.00- 39.70	9.37
	105 Di-n-butylphthalate					CAS #: 84-74-2		
9.229	9.227	(1.073)	149	758627	60.0000	60.9	80.00- 120.00	100.00
9.229	9.227	(1.073)	150	68245			0.00- 39.16	9.00
9.228	9.227	(1.073)	104	46521			0.00- 36.36	6.13
	109 Fluoranthene					CAS #: 206-44-0		
9.799	9.797	(1.139)	202	691228	60.0000	61.1	80.00- 120.00	100.00
9.798	9.796	(1.139)	101	81189			0.00- 41.60	11.75
9.799	9.797	(1.139)	203	120539			0.00- 47.37	17.44
	111 Pyrene					CAS #: 129-00-0		
10.017	10.016	(0.893)	202	699567	60.0000	59.6	80.00- 120.00	100.00
10.017	10.016	(0.893)	200	145950			0.00- 50.33	20.86
10.017	10.016	(0.893)	203	124871			0.00- 47.92	17.85
$	112 Terphenyl-d14 (SURR)					CAS #: 1718-51-0		
10.181	10.179	(0.908)	244	543845	60.0000	57.8	80.00- 120.00	100.00
10.180	10.178	(0.908)	122	59563			0.00- 40.67	10.95

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.180	10.179	(0.908)	212	42094			0.00- 37.92	7.74
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.692	10.690	(0.953)	149	355942	60.0000	59.6	80.00- 120.00	100.00
10.692	10.691	(0.953)	91	267490			45.72- 105.72	75.15
10.693	10.692	(0.953)	206	77867			0.00- 51.71	21.88
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.196	11.194	(0.998)	228	714684	60.0000	59.6	80.00- 120.00	100.00
11.196	11.194	(0.998)	229	138418			0.00- 49.13	19.37
11.196	11.194	(0.998)	226	187362			0.00- 57.06	26.22
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.215	11.211	(1.000)	240	435603	40.0000		80.00- 120.00	100.00
11.214	11.210	(1.000)	120	44737			0.00- 40.02	10.27
11.215	11.210	(1.000)	236	107584			0.00- 54.50	24.70
123 Chrysene						CAS #: 218-01-9		
11.240	11.238	(1.002)	228	688475	60.0000	58.7	80.00- 120.00	100.00
11.240	11.238	(1.002)	226	200258			0.00- 59.08	29.09
11.240	11.238	(1.002)	229	134569			0.00- 49.34	19.55
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.277	11.275	(1.006)	149	489419	60.0000	58.9	80.00- 120.00	100.00
11.277	11.276	(1.006)	167	148535			0.00- 59.84	30.35
11.277	11.276	(1.006)	279	37090			0.00- 37.67	7.58
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.845	11.842	(0.945)	149	857415	60.0000	65.0	80.00- 120.00	100.00
11.845	11.843	(0.945)	167	13650			0.00- 31.49	1.59
11.844	11.842	(0.945)	43	75400			0.00- 38.92	8.79
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.201	12.198	(0.973)	252	664959	60.0000	60.8	80.00- 120.00	100.00
12.200	12.198	(0.973)	253	143812			0.00- 52.25	21.63
12.200	12.219	(0.973)	125	66729			0.00- 48.56	10.04
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.222	12.220	(0.975)	252	694239	60.0000	55.3	80.00- 120.00	100.00
12.222	12.220	(0.975)	253	155467			0.00- 52.11	22.39
12.222	12.219	(0.975)	125	55559			0.00- 46.79	8.00
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.485	12.484	(0.996)	252	621097	60.0000	58.0	80.00- 120.00	100.00
12.484	12.484	(0.996)	253	140212			0.00- 51.58	22.57
12.484	12.484	(0.996)	125	59366			0.00- 39.66	9.56
* 130 Perylene-d12						CAS #: 1520-96-3		
12.533	12.532	(1.000)	264	381419	40.0000		80.00- 120.00	100.00
12.533	12.533	(1.000)	260	83149			0.00- 52.70	21.80
12.533	12.532	(1.000)	265	81429			0.00- 52.11	21.35

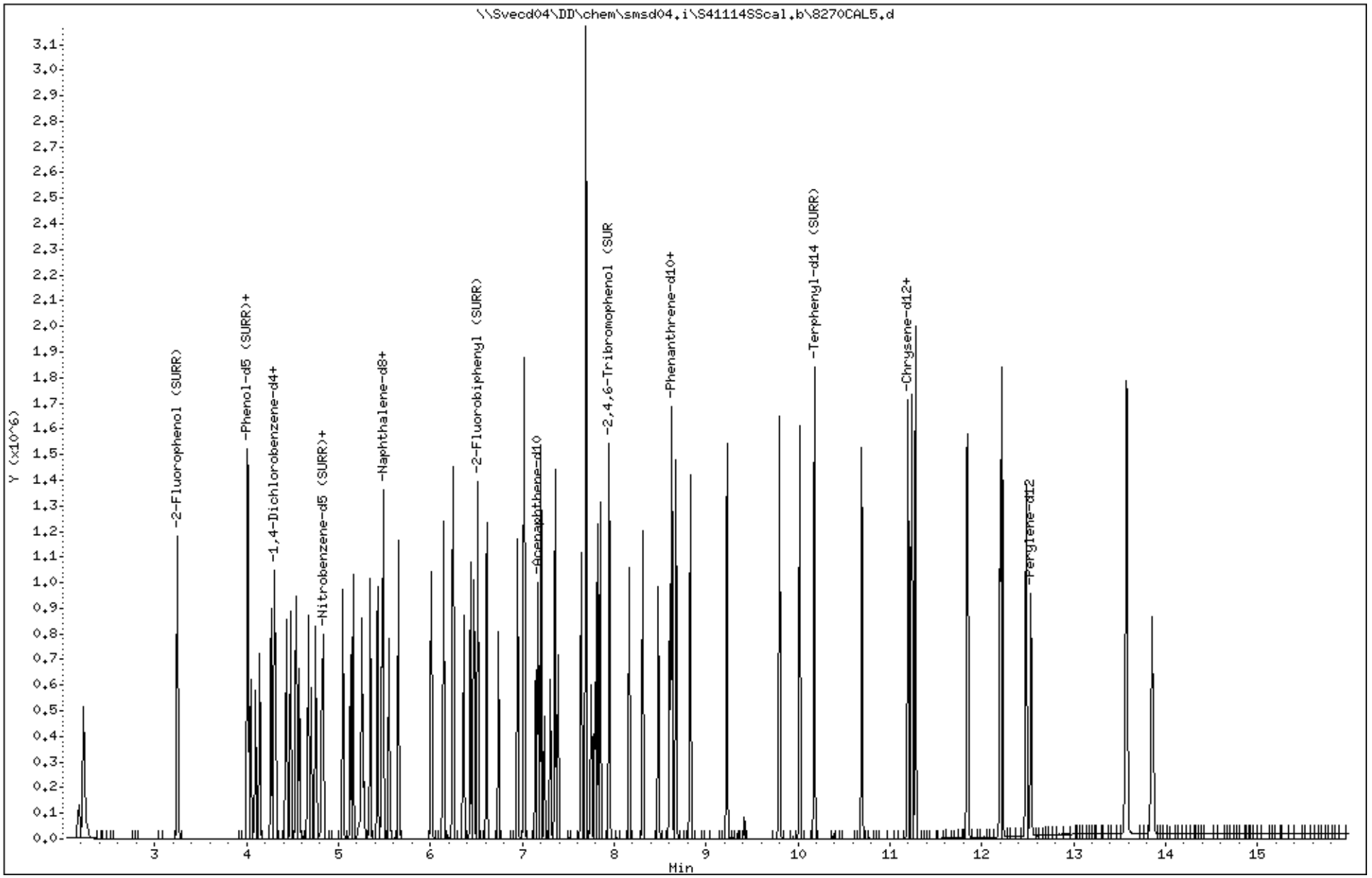
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.573	13.569	(1.083)	276	683931	60.0000	57.6	80.00- 120.00	100.00
13.575	13.570	(1.083)	138	155587			0.00- 53.00	22.75
13.574	13.570	(1.083)	277	179973			0.00- 55.19	26.31
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.580	13.574	(1.083)	278	582046	60.0000	57.0	80.00- 120.00	100.00
13.580	13.573	(1.083)	139	72769			0.00- 45.33	12.50
13.580	13.574	(1.083)	279	137134			0.00- 53.44	23.56
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.858	13.852	(1.106)	276	535083	60.0000	60.4	80.00- 120.00	100.00
13.857	13.852	(1.106)	138	100983			0.00- 48.86	18.87
13.858	13.852	(1.106)	277	125702			0.00- 53.33	23.49

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\smsd04.i\S41114SScal.b\8270CAL5.d
Date : 14-NOV-2012 23:22
Client ID: 8270CAL5
Sample Info: 47765

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



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Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

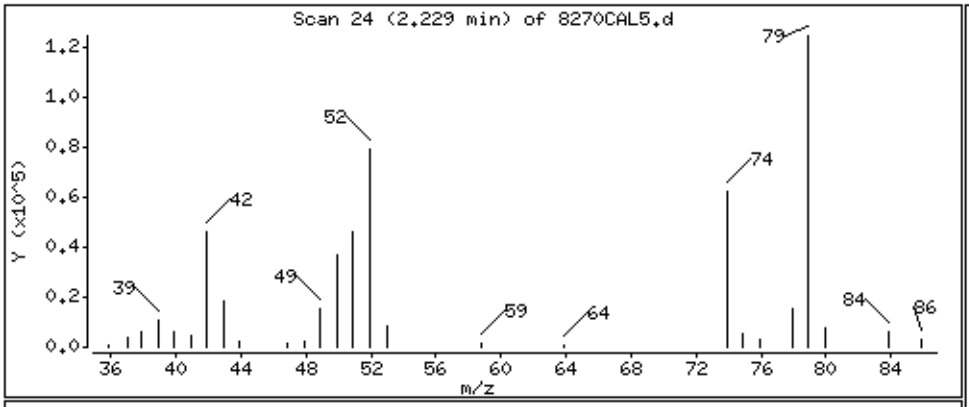
Operator: MJ

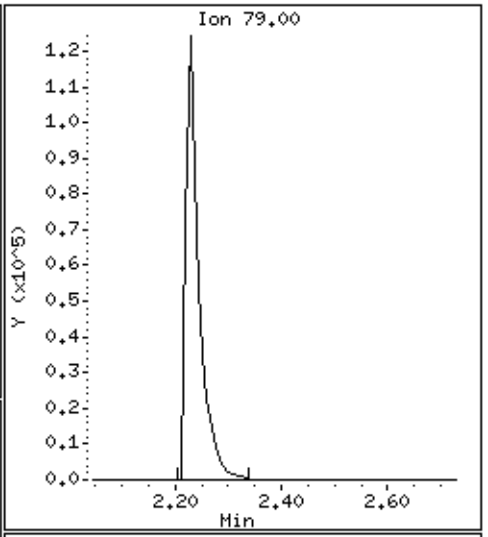
Column phase: HPMS-5

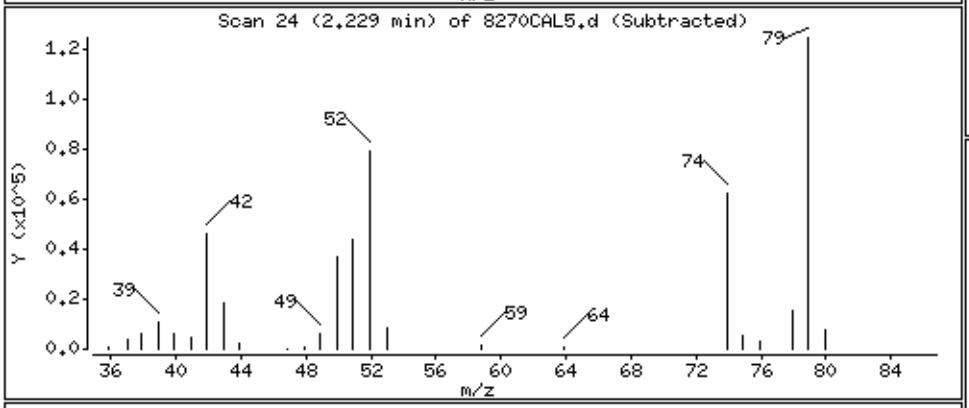
Column diameter: 0.25

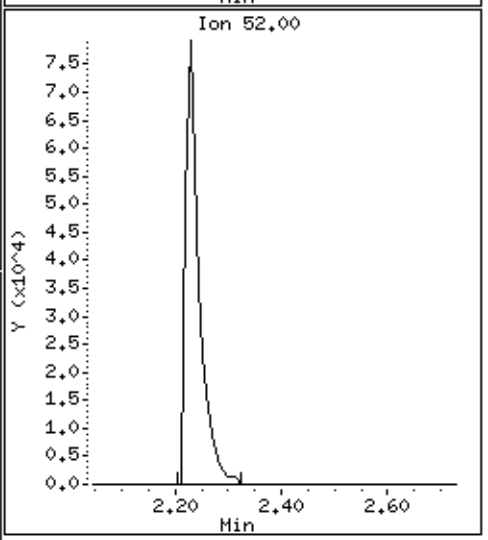
2 Pyridine

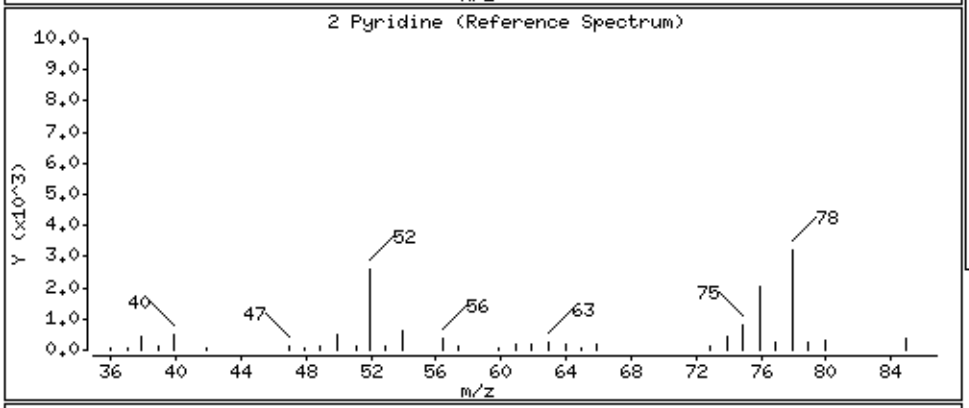
Concentration: 59.0 ug/kg

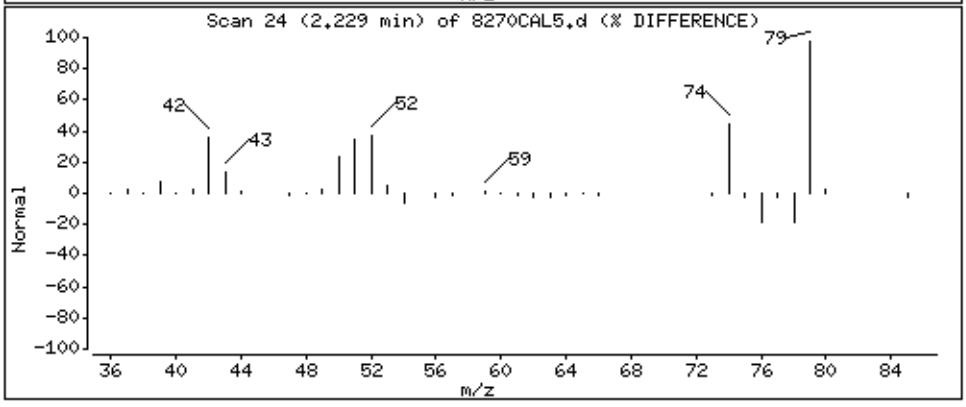












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Date : 14-NOV-2012 23:22

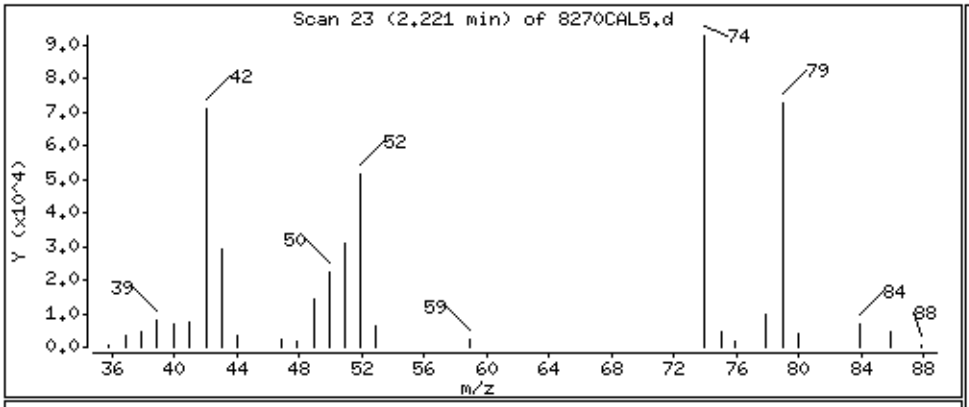
Client ID: 8270CAL5 Instrument: smsd04.i

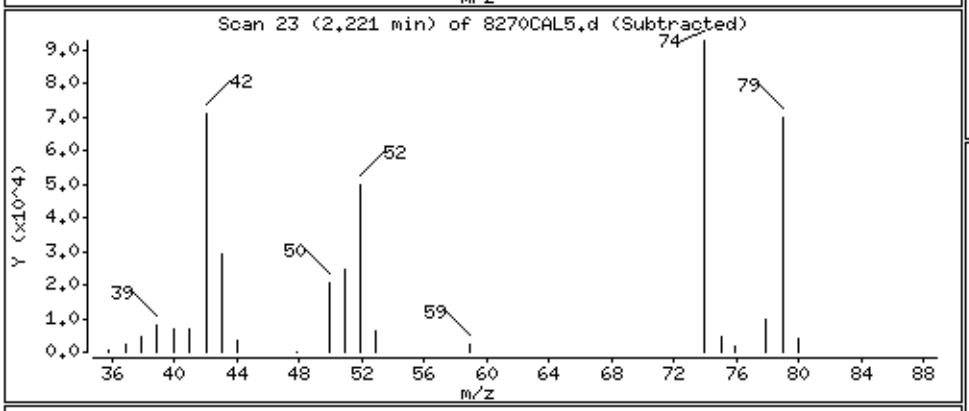
Sample Info: 47765

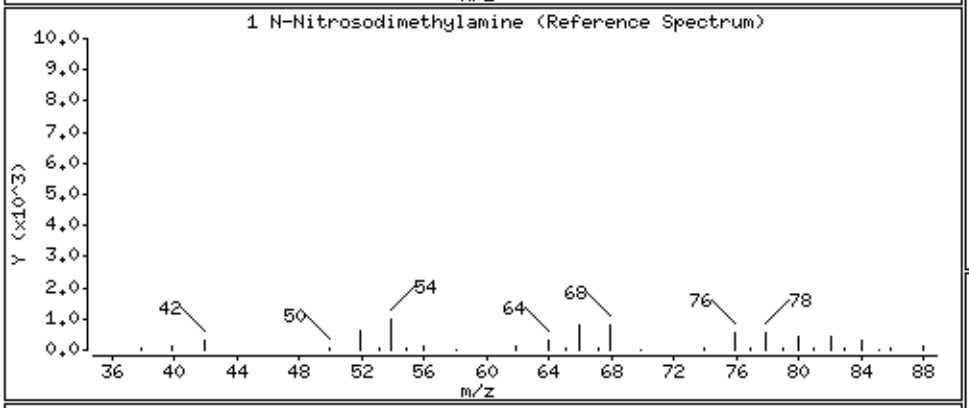
Operator: MJ

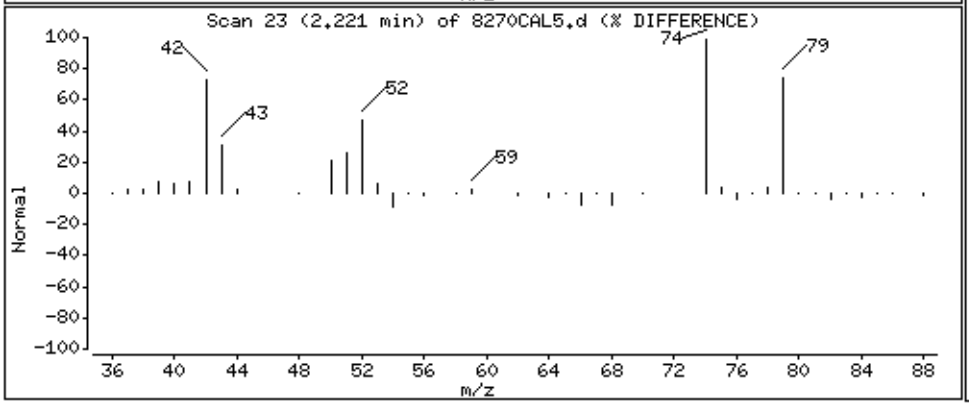
Column phase: HPMS-5 Column diameter: 0.25

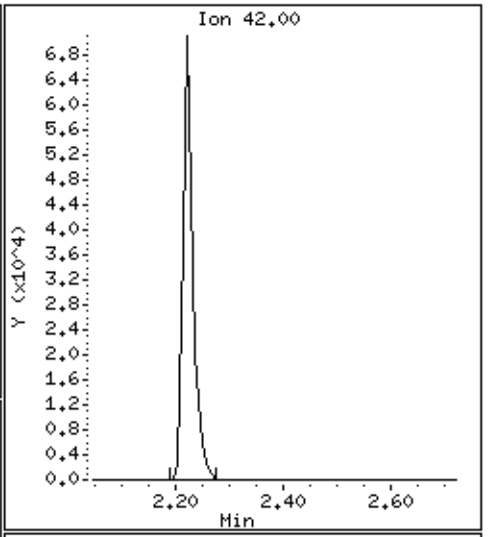
1 N-Nitrosodimethylamine Concentration: 59.7 ug/kg

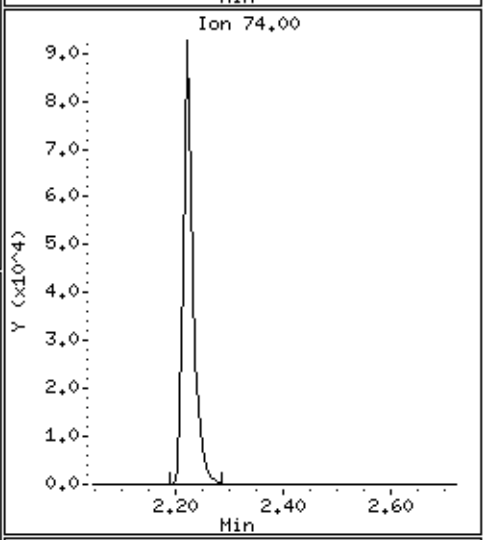


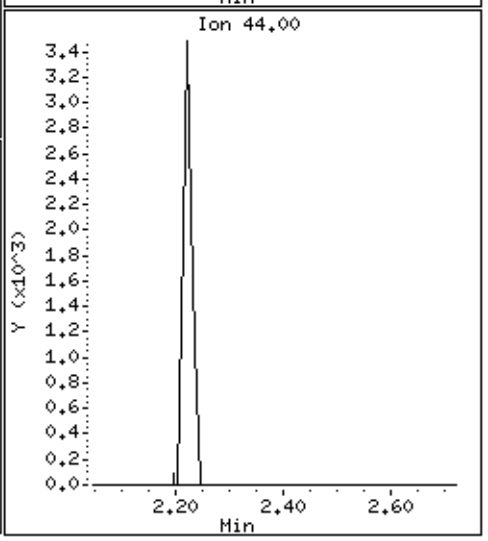












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Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

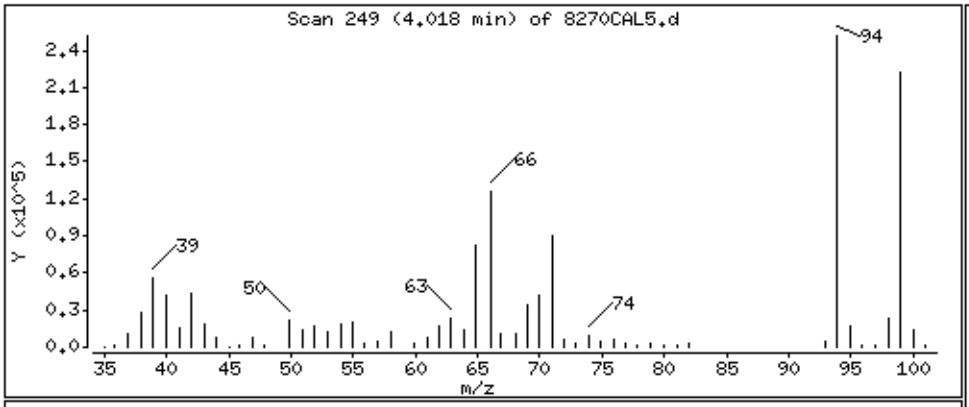
Operator: MJ

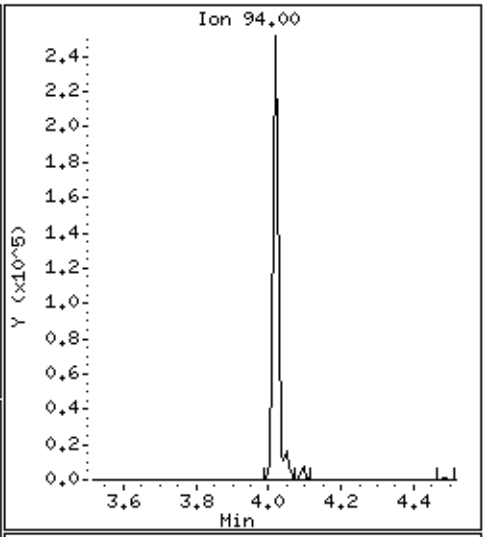
Column phase: HPMS-5

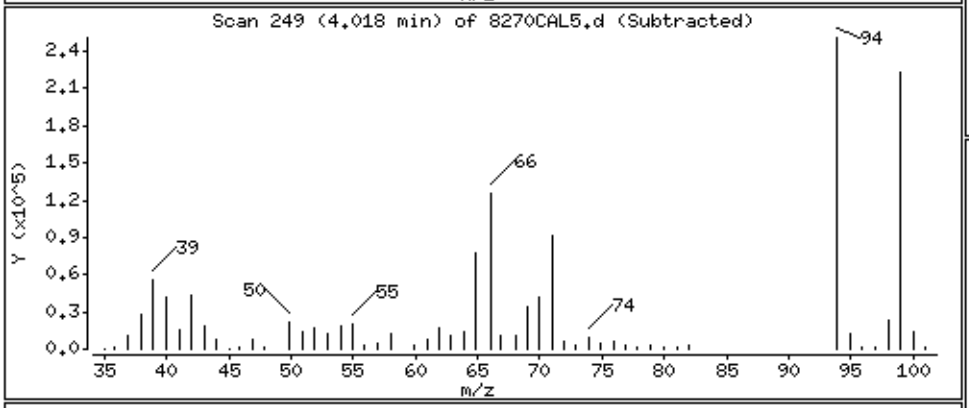
Column diameter: 0.25

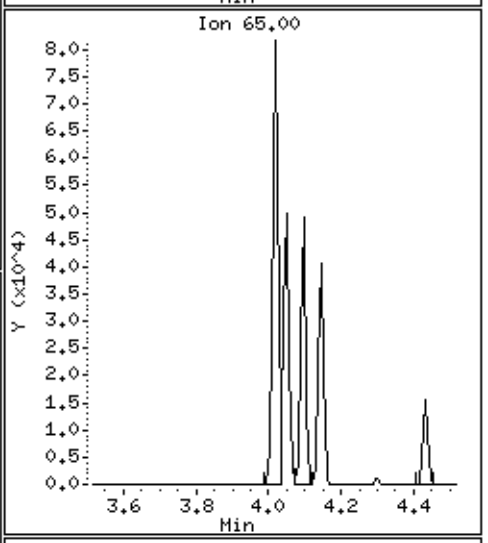
13 Phenol

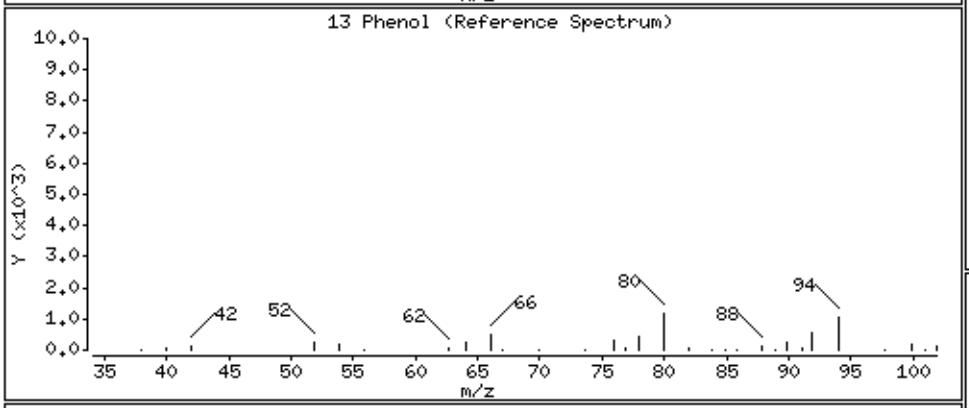
Concentration: 58.2 ug/kg

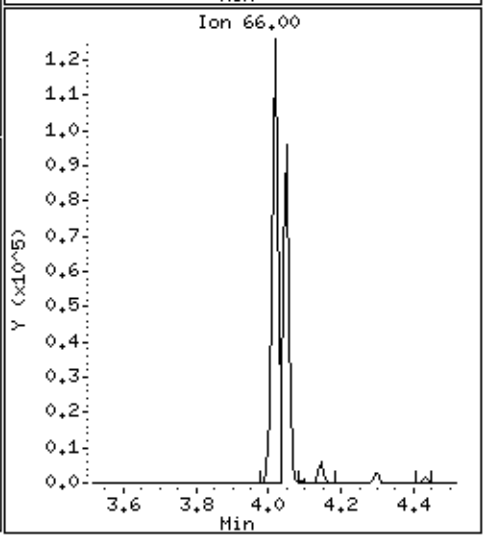


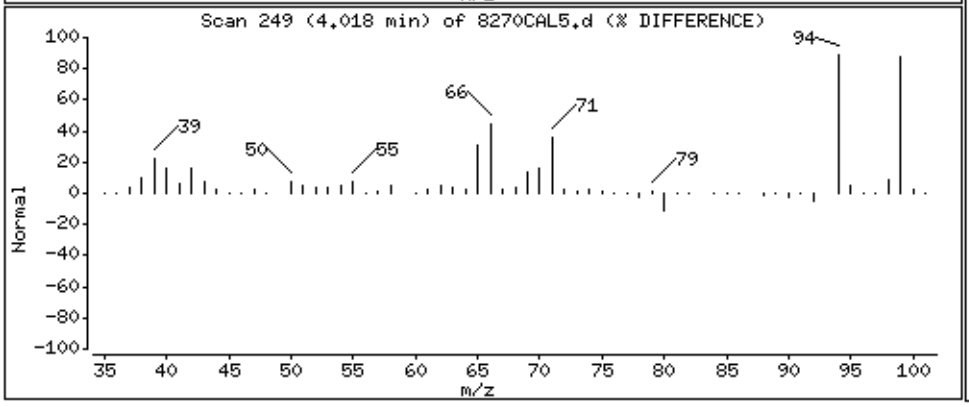












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

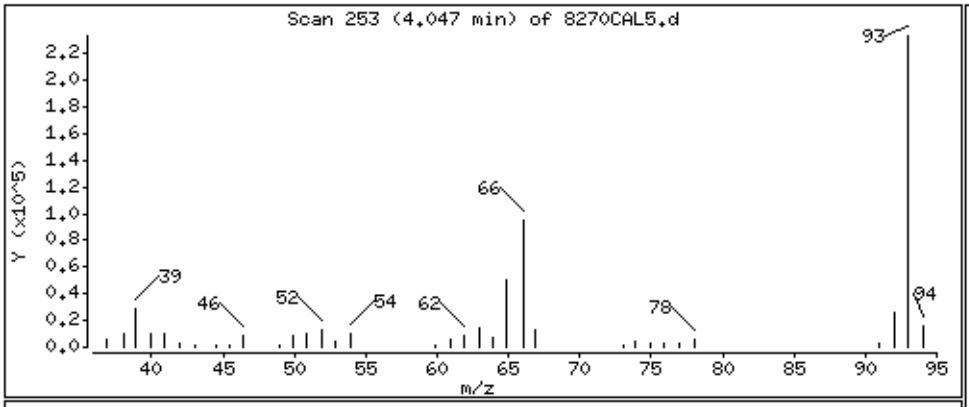
Client ID: 8270CAL5 Instrument: smsd04.i

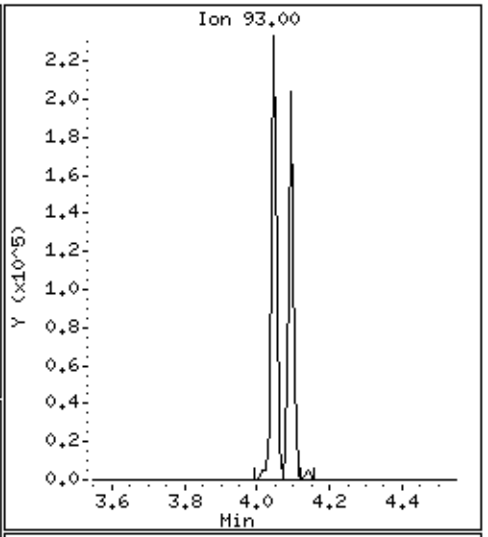
Sample Info: 47765

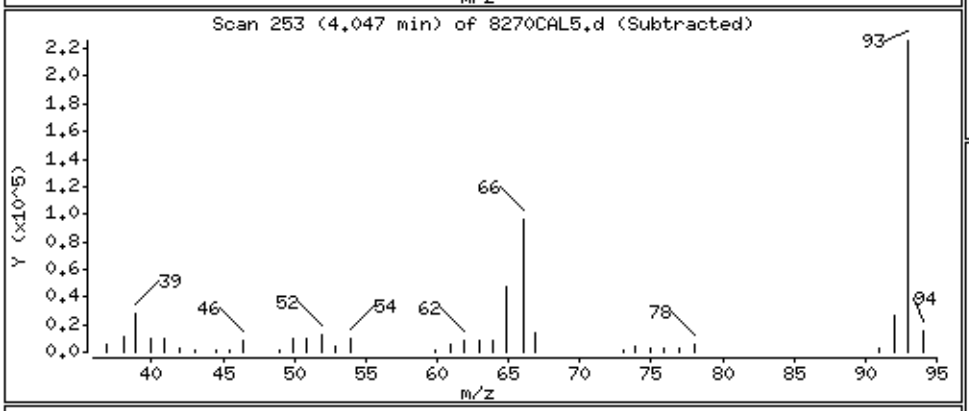
Operator: MJ

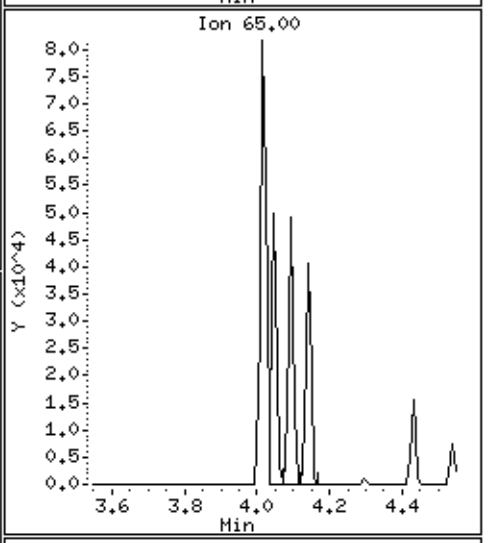
Column phase: HPMS-5 Column diameter: 0.25

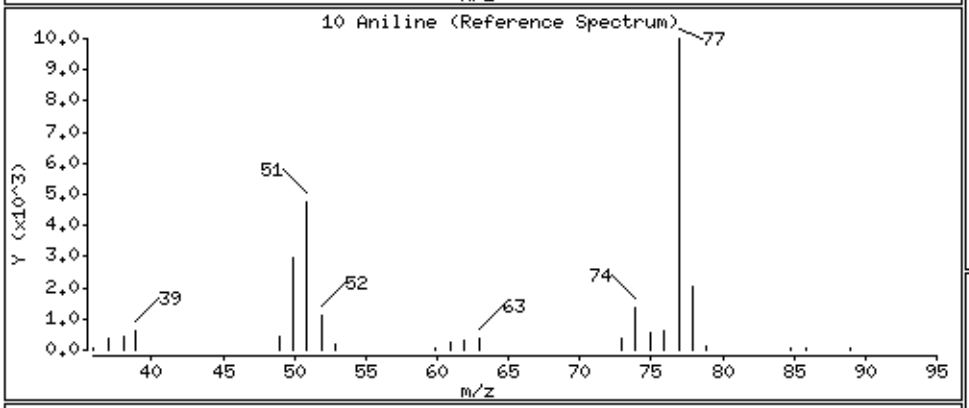
10 Aniline Concentration: 61.6 ug/kg

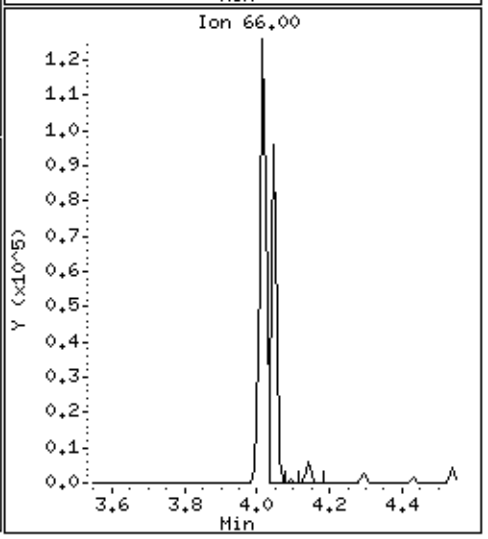


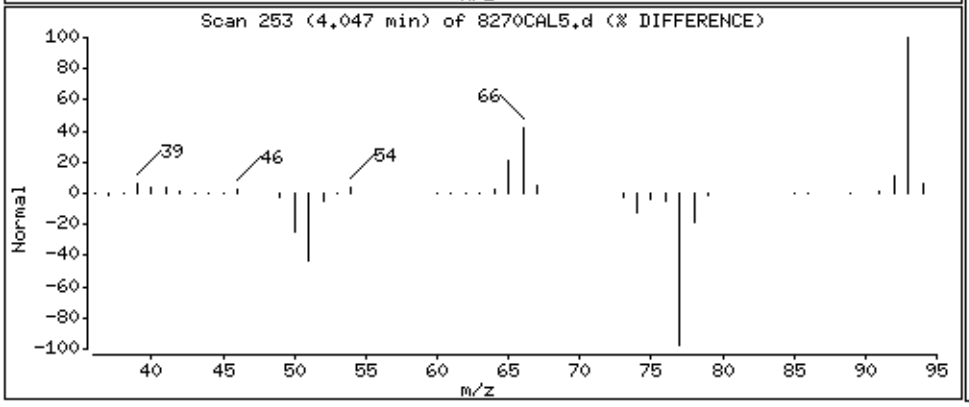












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

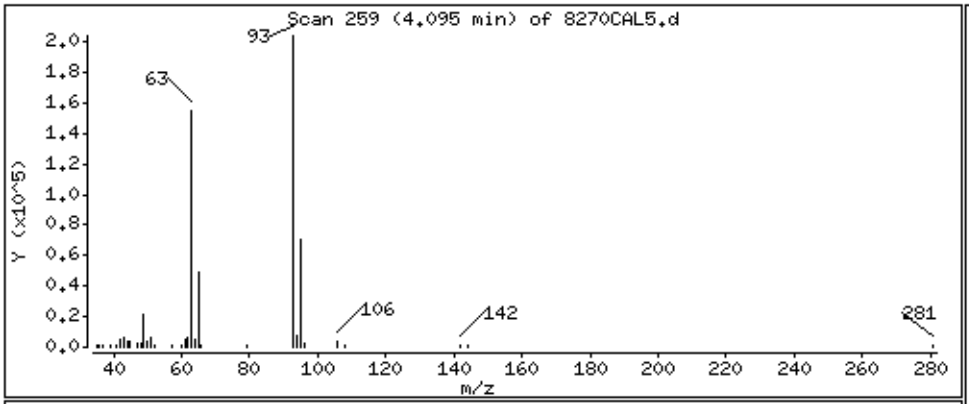
Operator: MJ

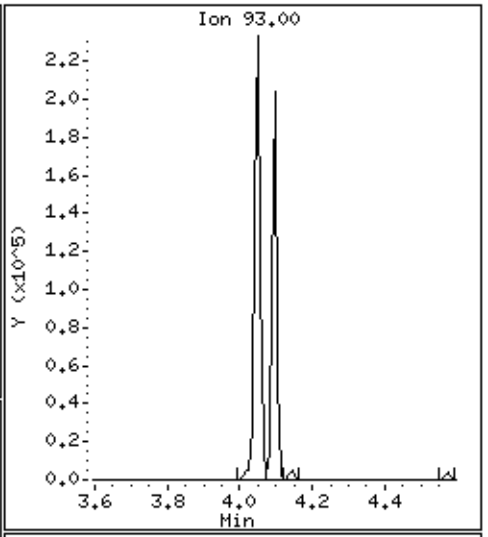
Column phase: HPMS-5

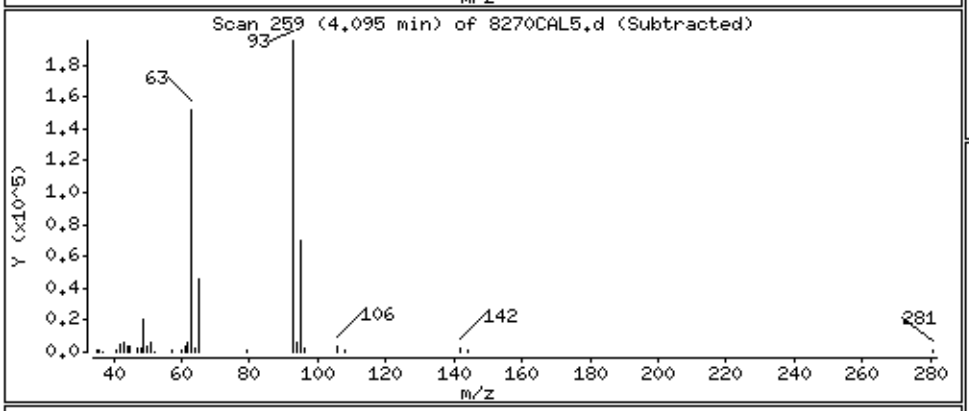
Column diameter: 0.25

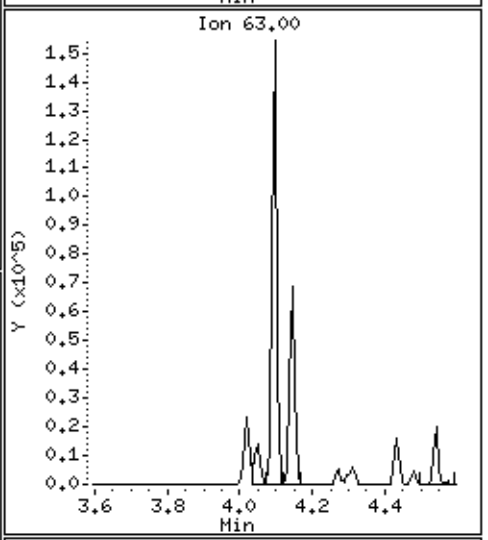
14 Bis(2-Chloroethyl)ether

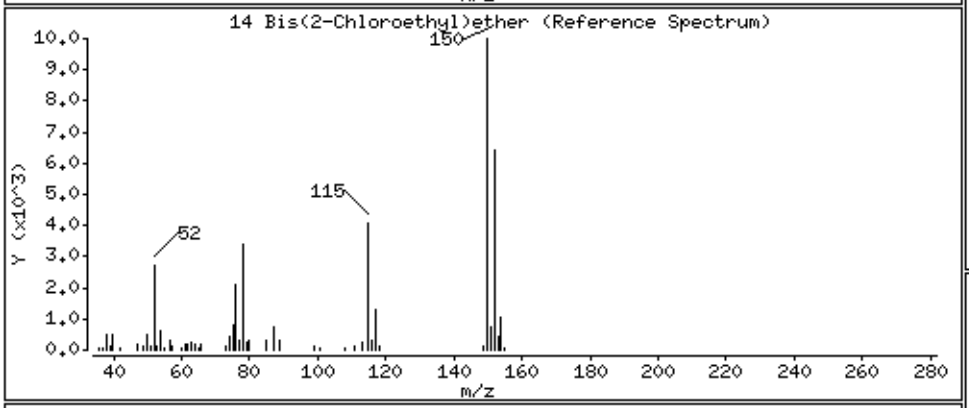
Concentration: 59.7 ug/kg

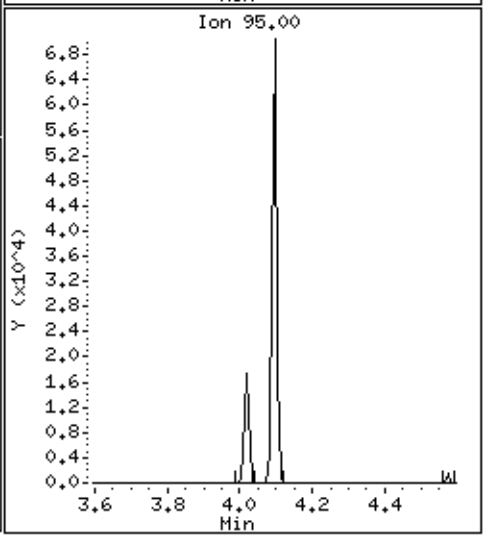


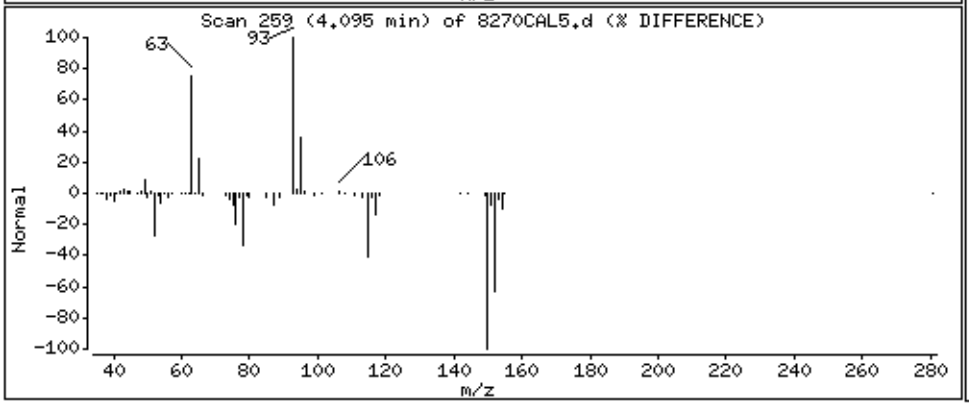












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

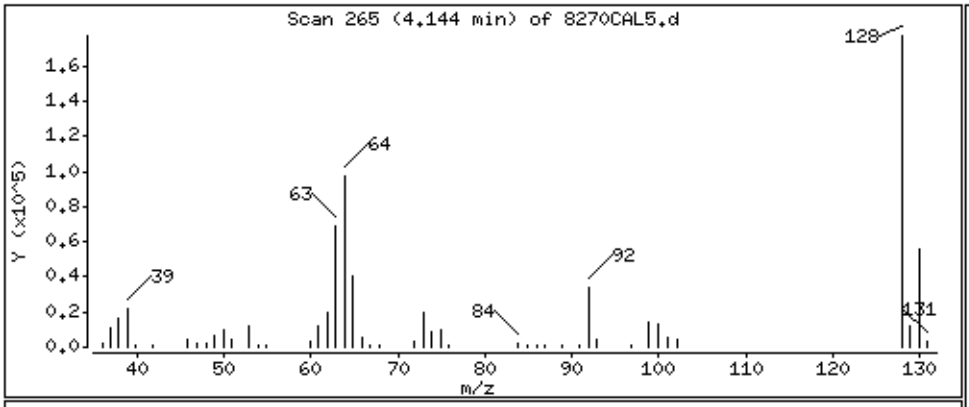
Operator: MJ

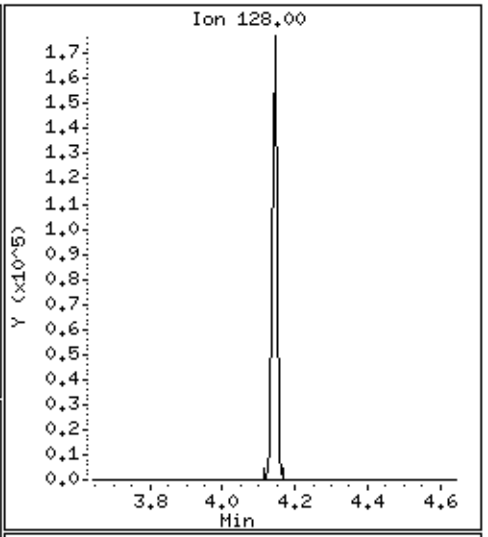
Column phase: HPMS-5

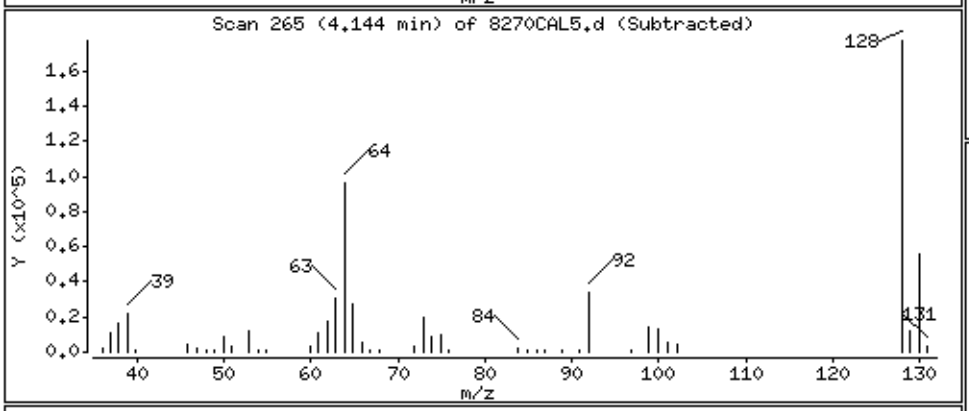
Column diameter: 0.25

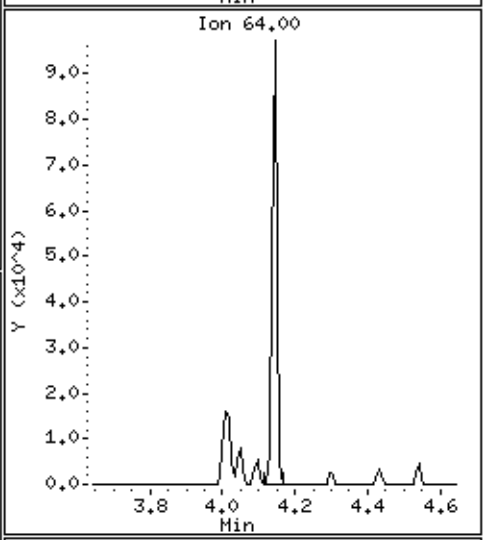
15 2-Chlorophenol

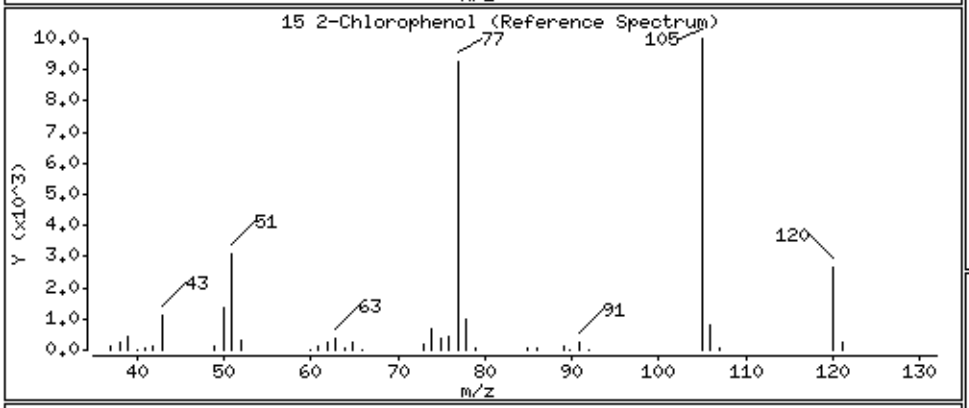
Concentration: 59.2 ug/kg

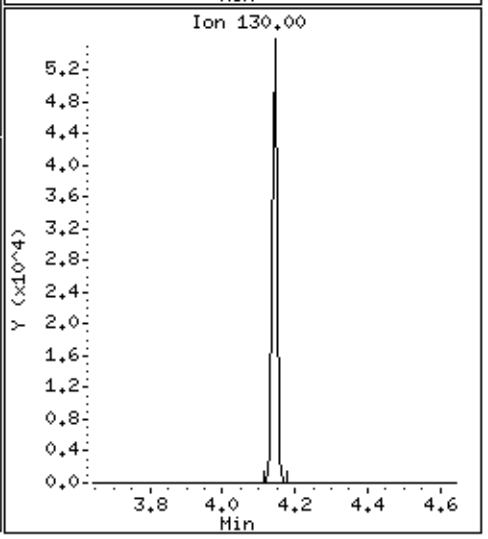


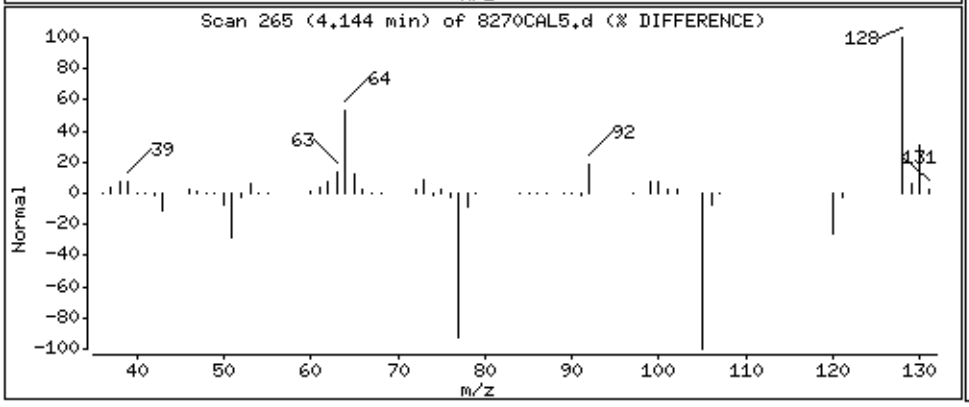












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

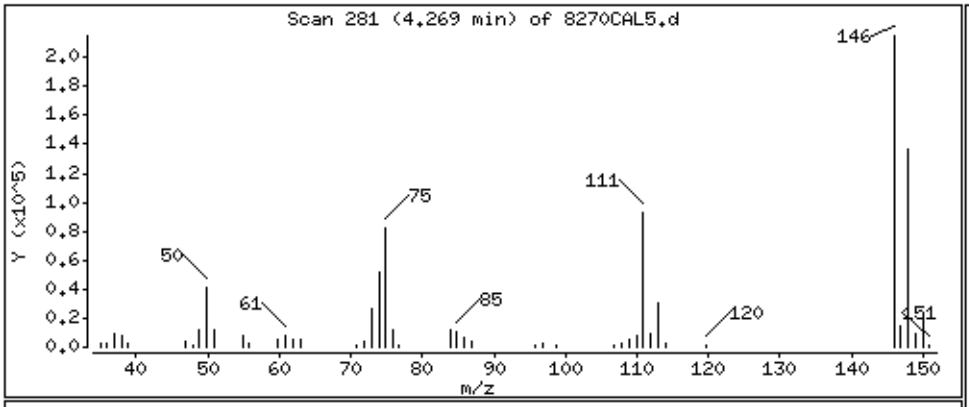
Operator: MJ

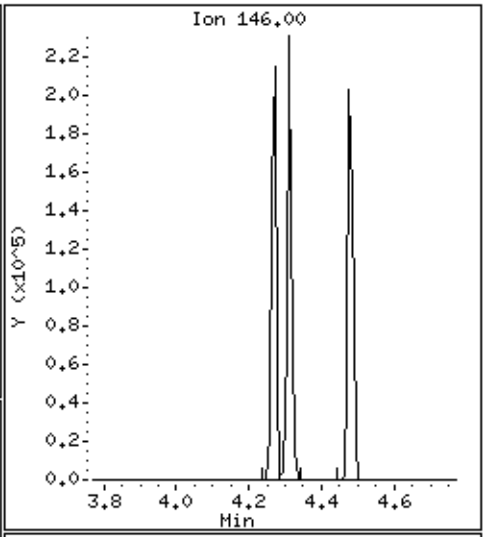
Column phase: HPMS-5

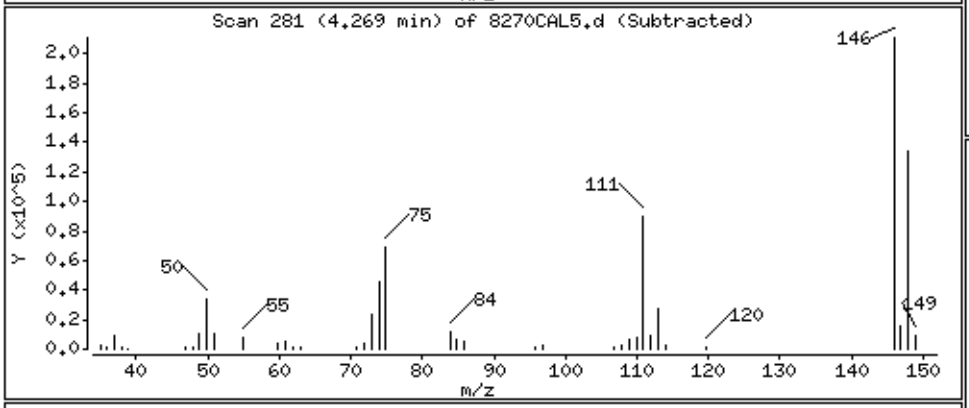
Column diameter: 0.25

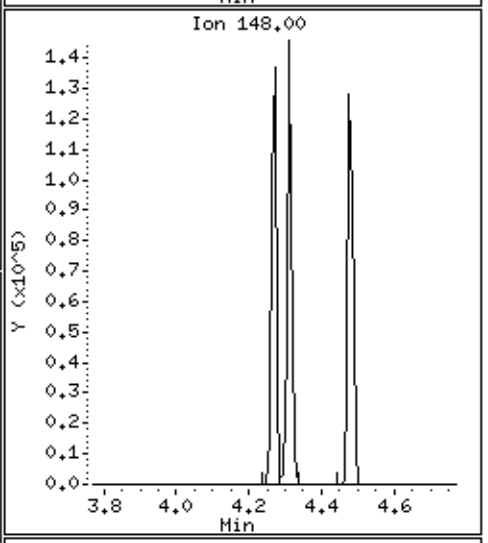
17 1,3-Dichlorobenzene

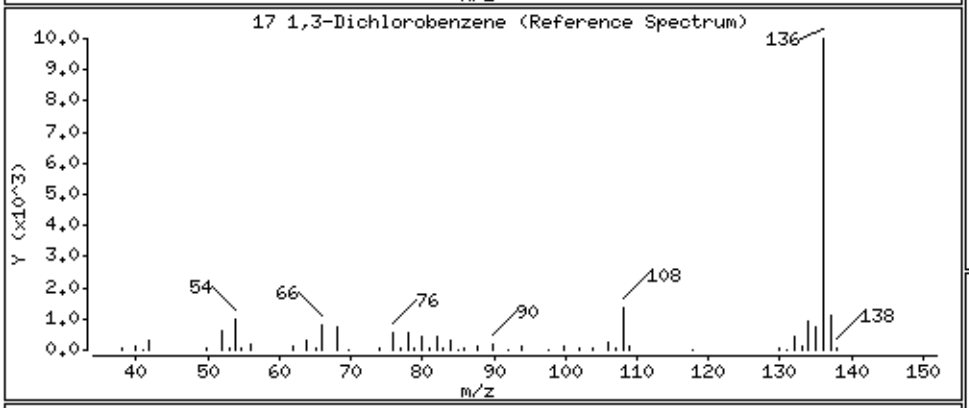
Concentration: 58.8 ug/kg

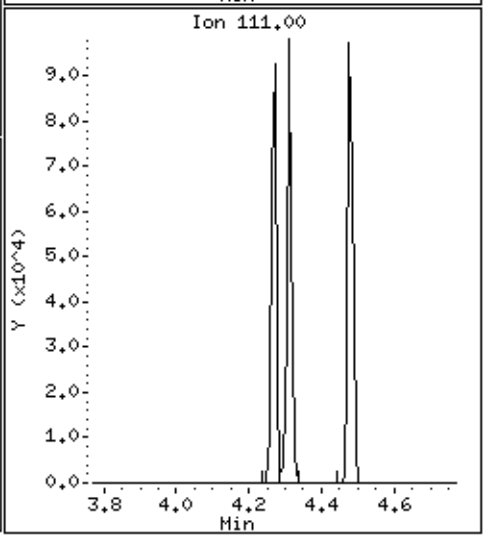


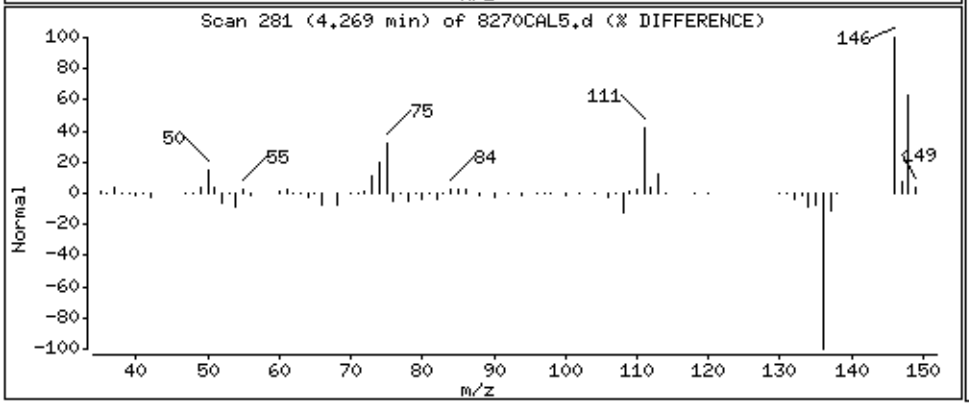












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

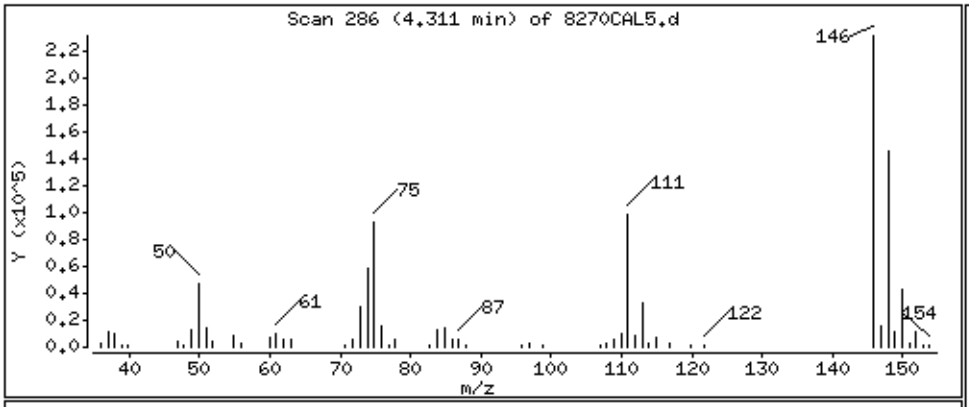
Operator: MJ

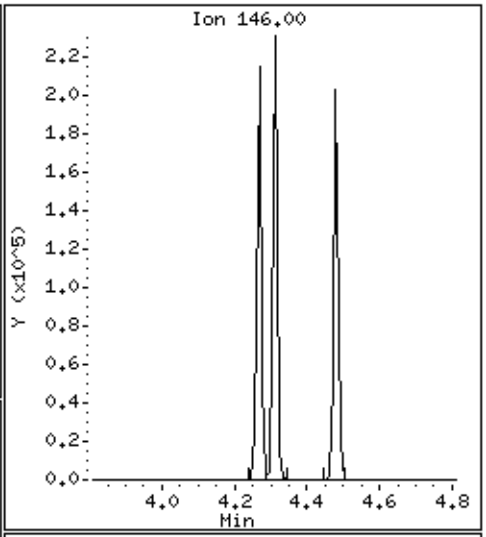
Column phase: HPMS-5

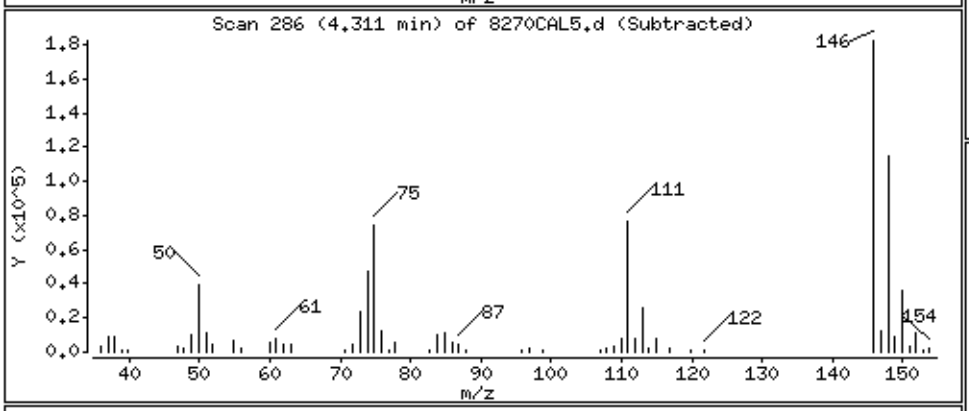
Column diameter: 0.25

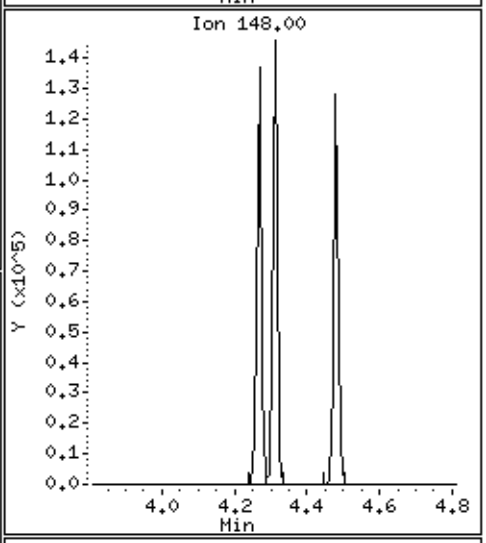
19 1,4-Dichlorobenzene

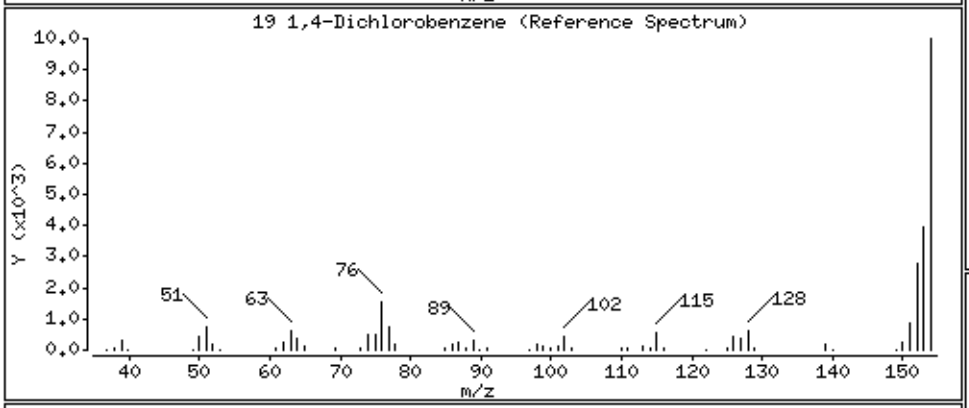
Concentration: 58.6 ug/kg

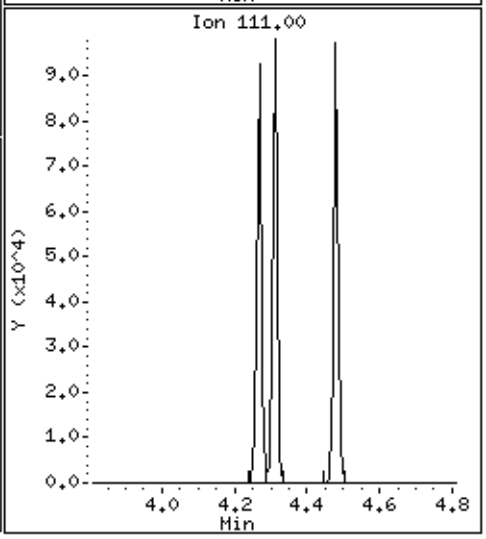


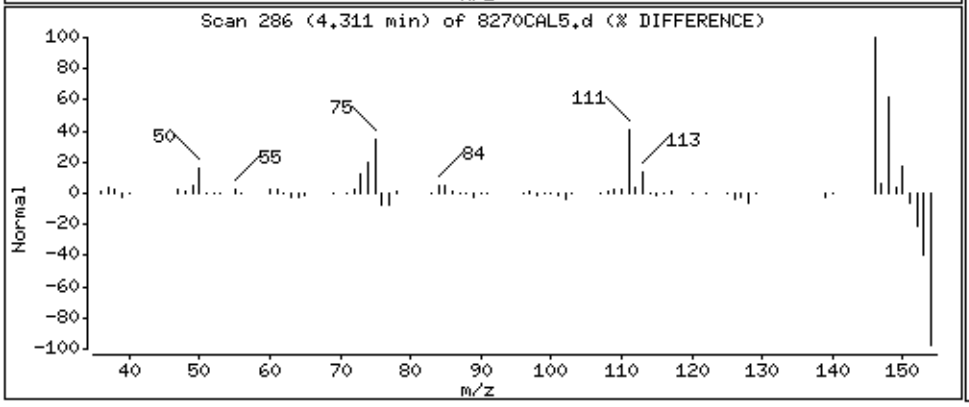












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

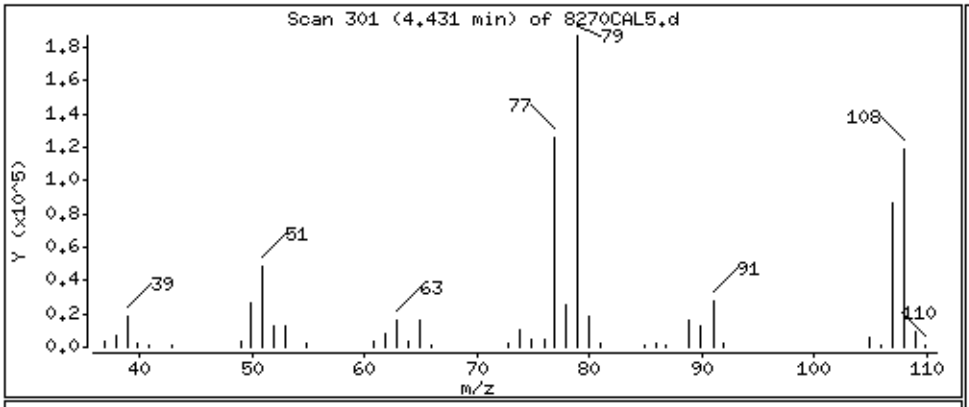
Operator: MJ

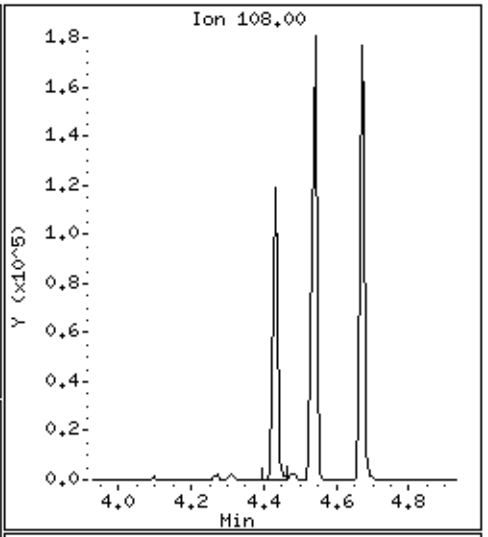
Column phase: HPMS-5

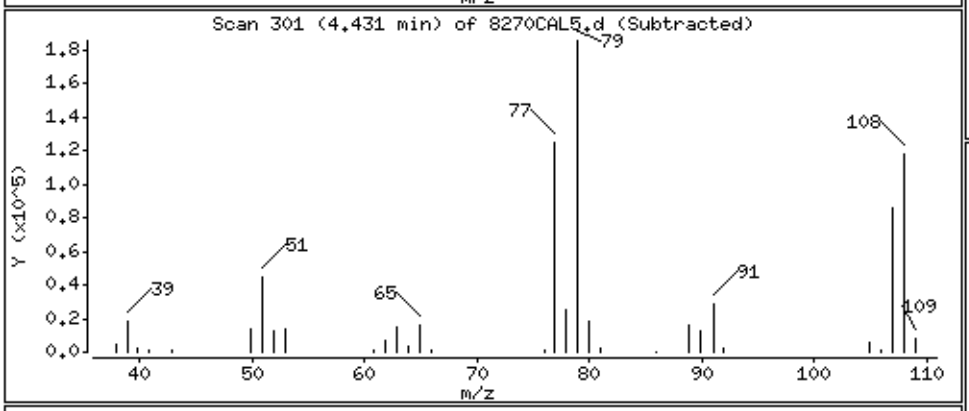
Column diameter: 0.25

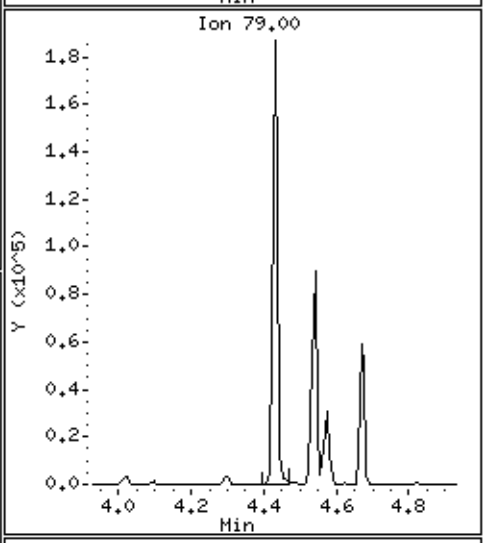
21 Benzyl alcohol

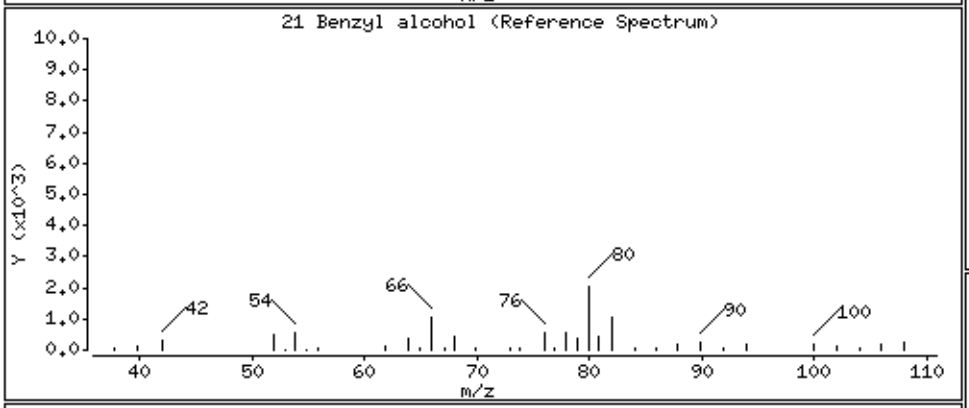
Concentration: 58.9 ug/kg

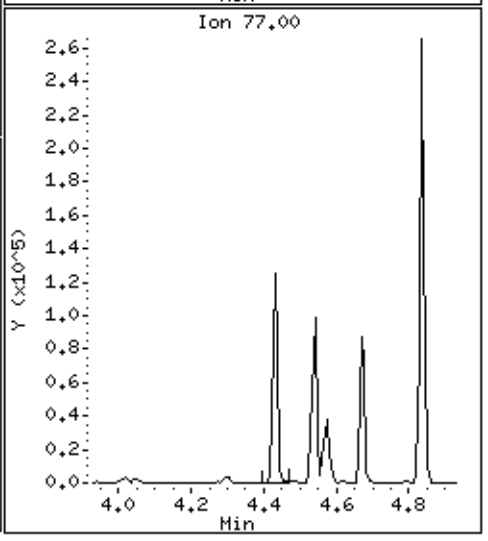


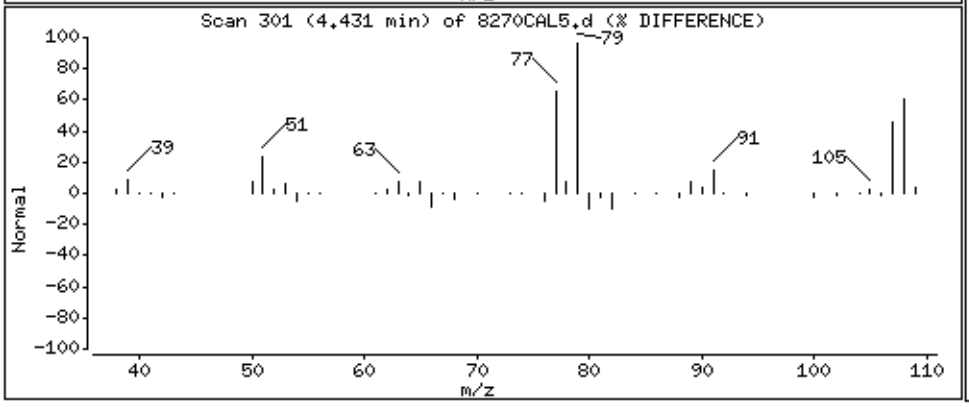












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

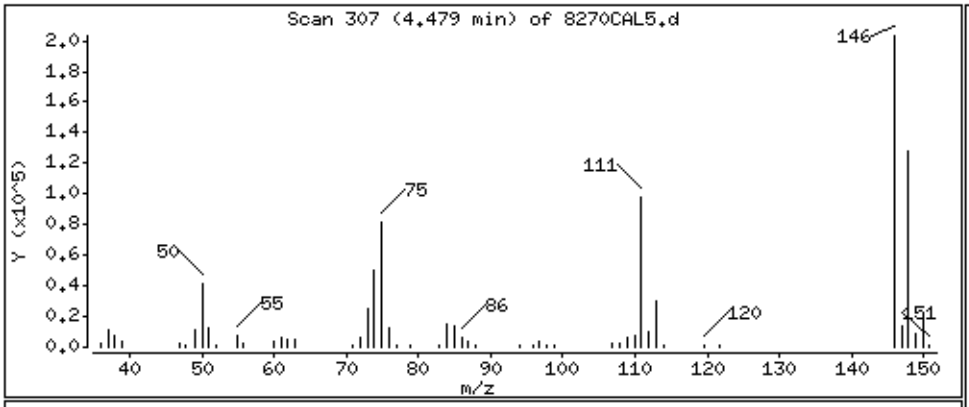
Operator: MJ

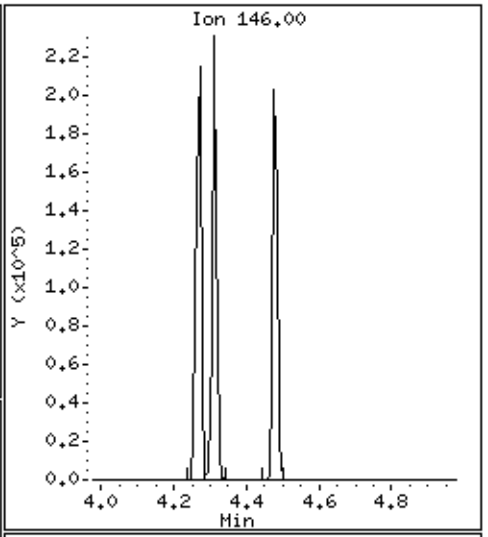
Column phase: HPMS-5

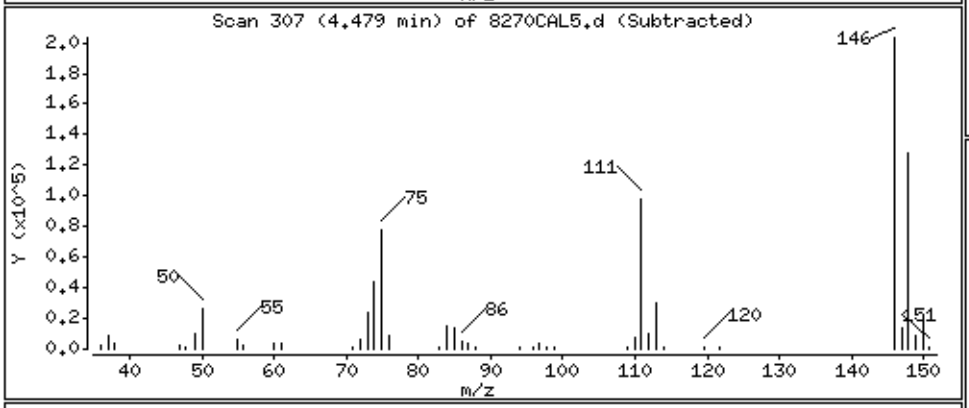
Column diameter: 0.25

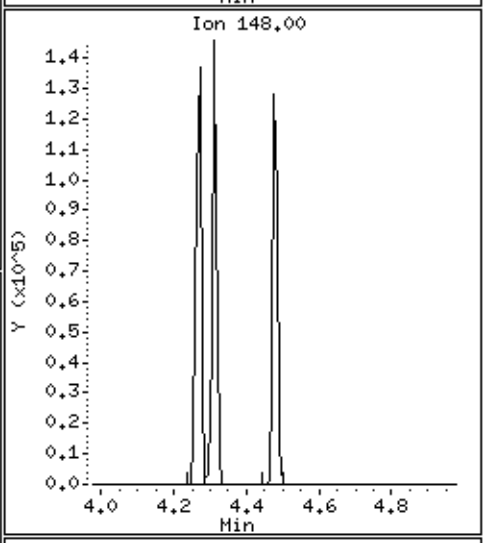
20 1,2-Dichlorobenzene

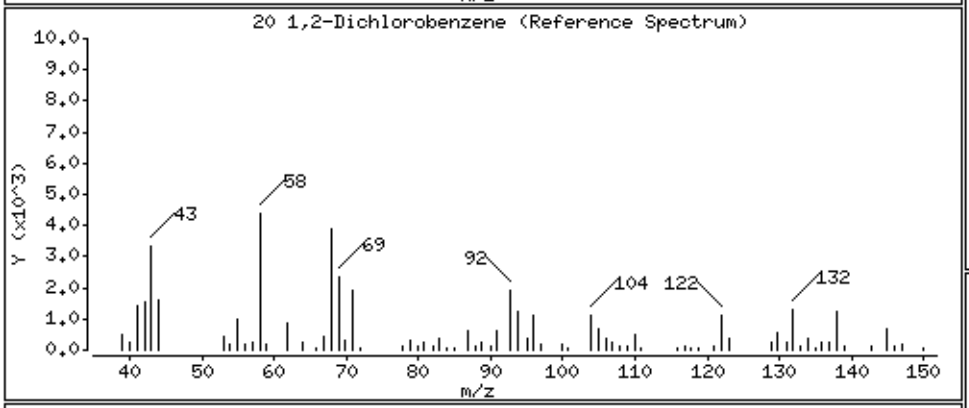
Concentration: 58.7 ug/kg

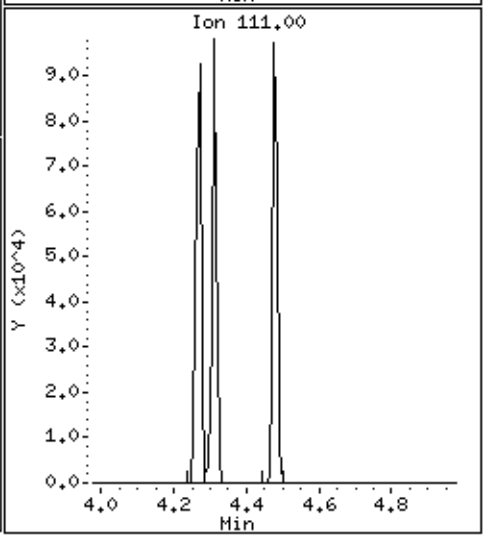


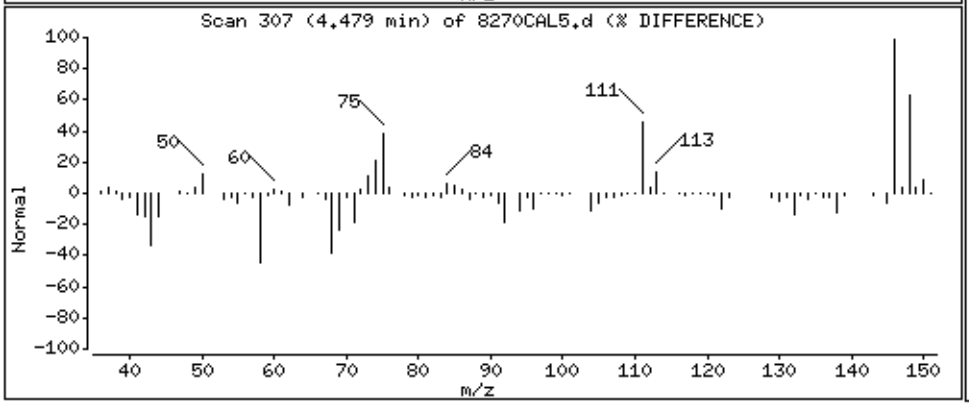












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

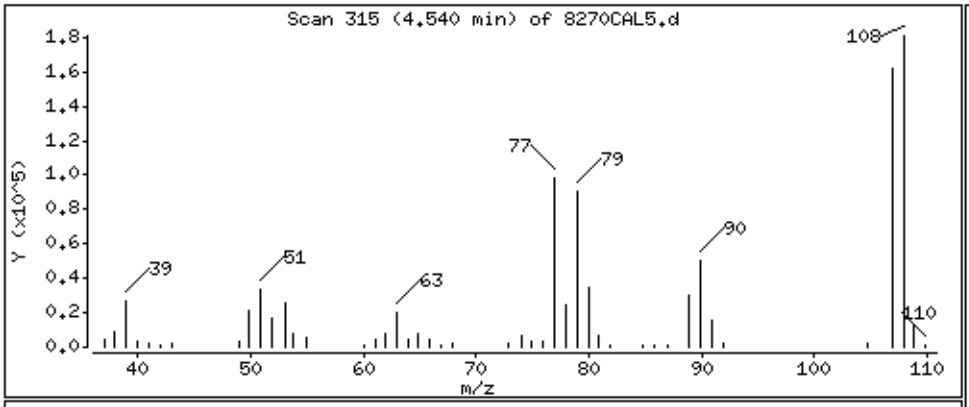
Operator: MJ

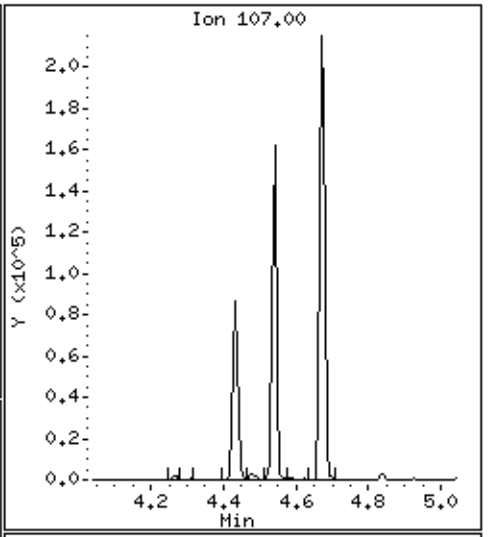
Column phase: HPMS-5

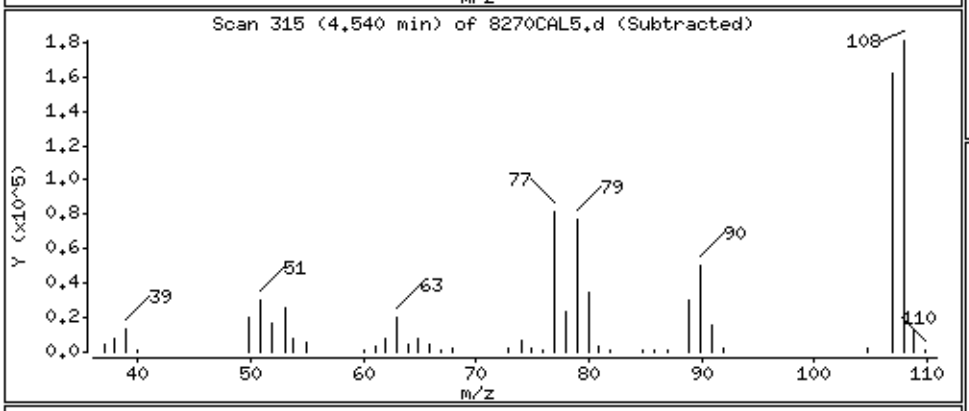
Column diameter: 0.25

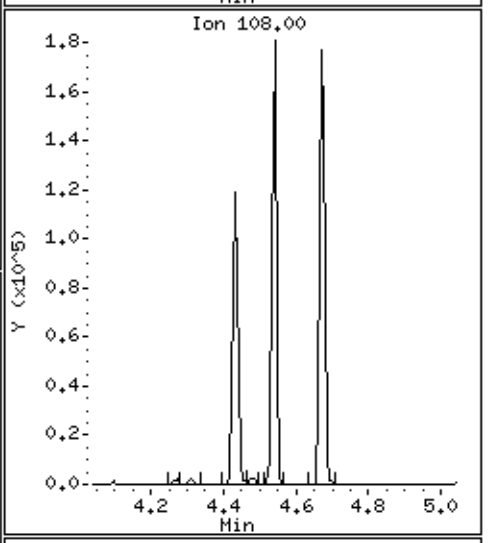
22 2-Methylphenol

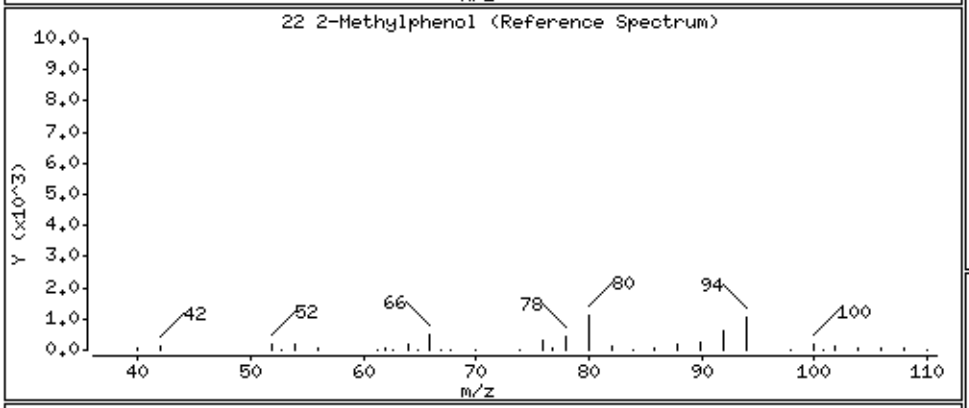
Concentration: 58.9 ug/kg

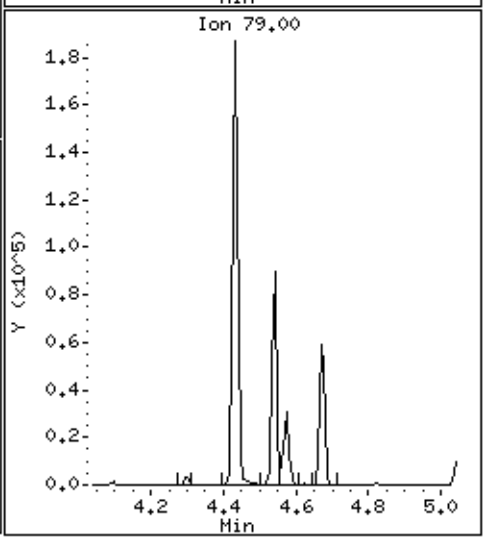


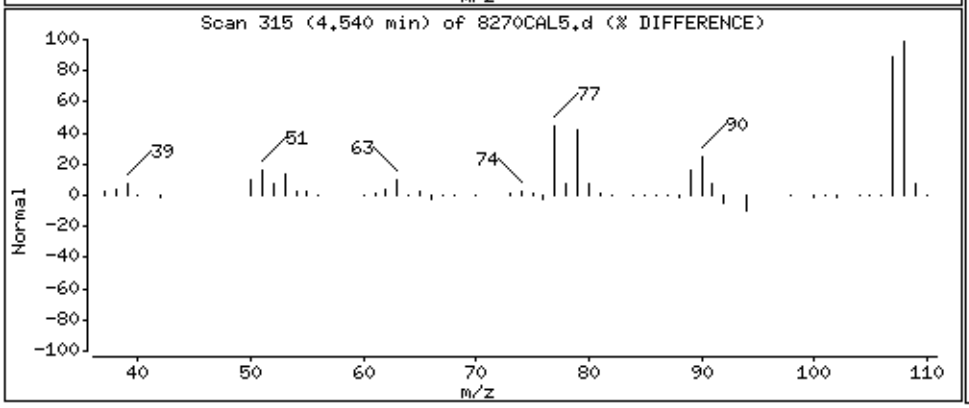












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

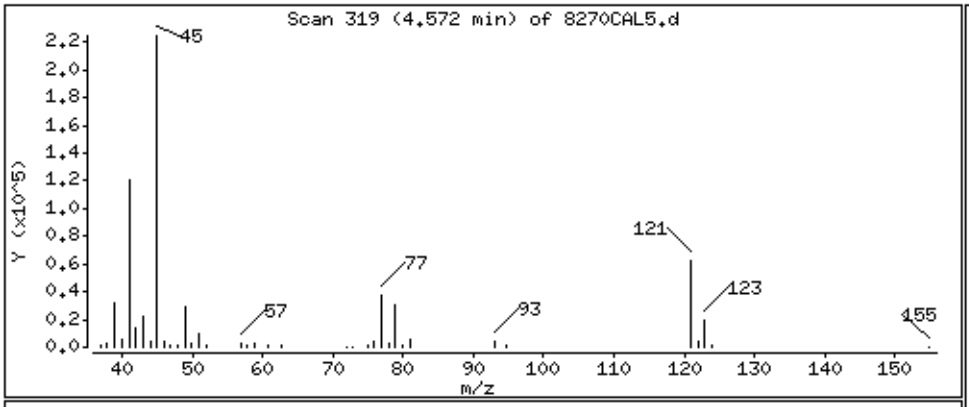
Operator: MJ

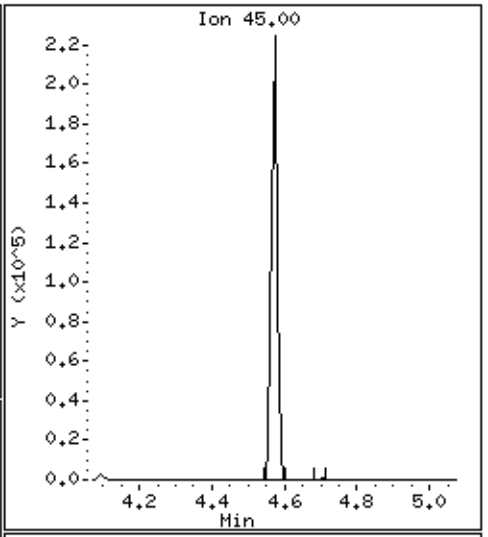
Column phase: HPMS-5

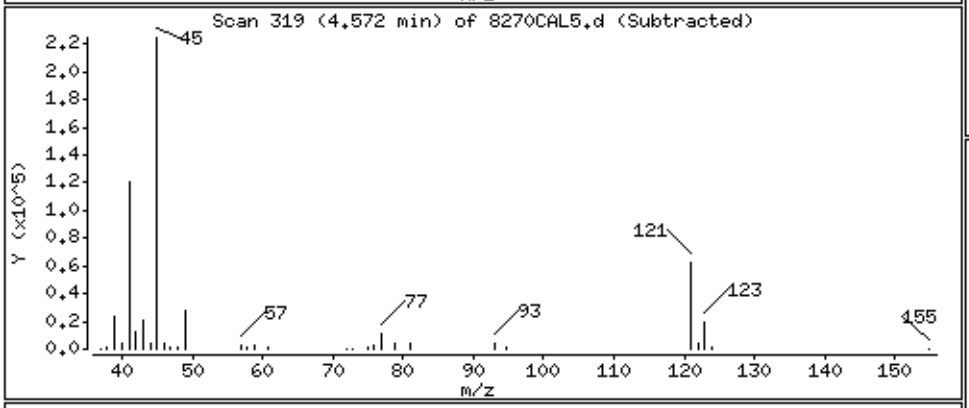
Column diameter: 0.25

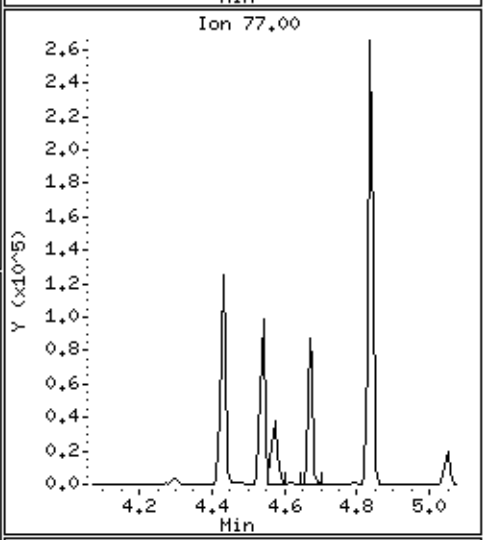
23 2,2'-oxybis(1-chloropropane)

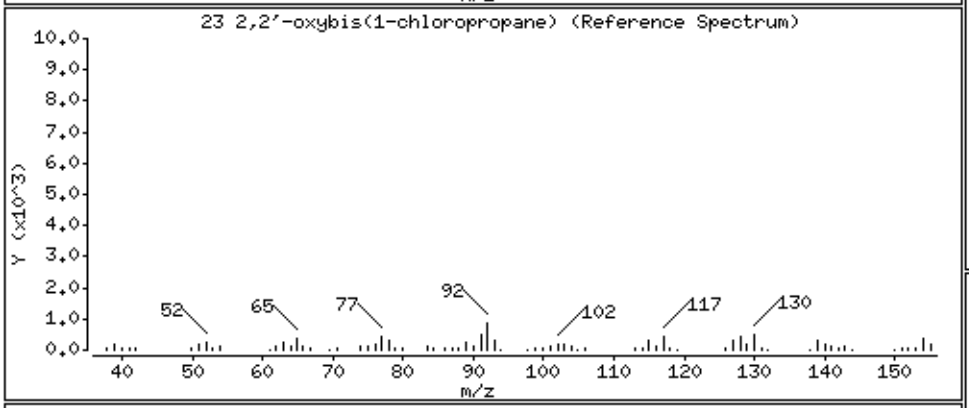
Concentration: 60.6 ug/kg

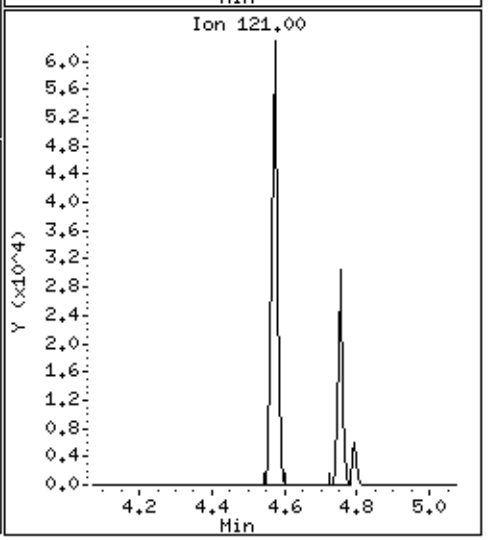


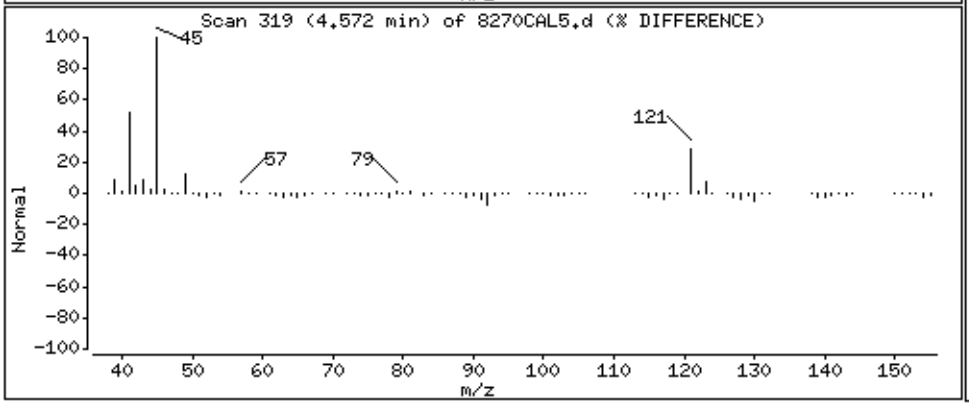












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

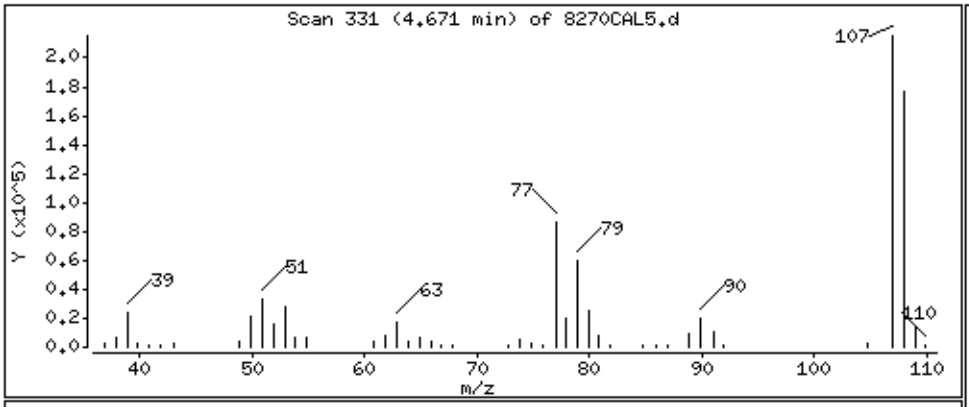
Client ID: 8270CAL5 Instrument: smsd04.i

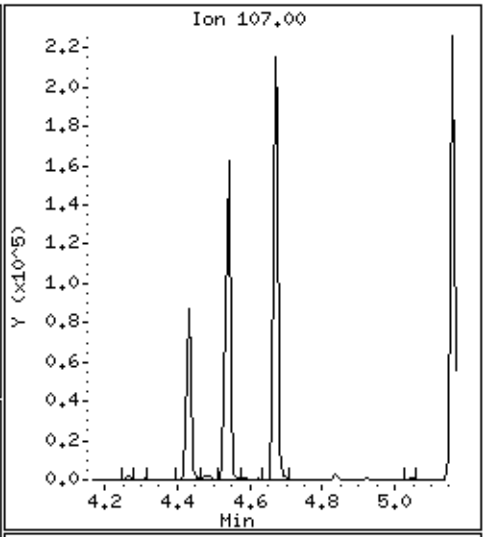
Sample Info: 47765

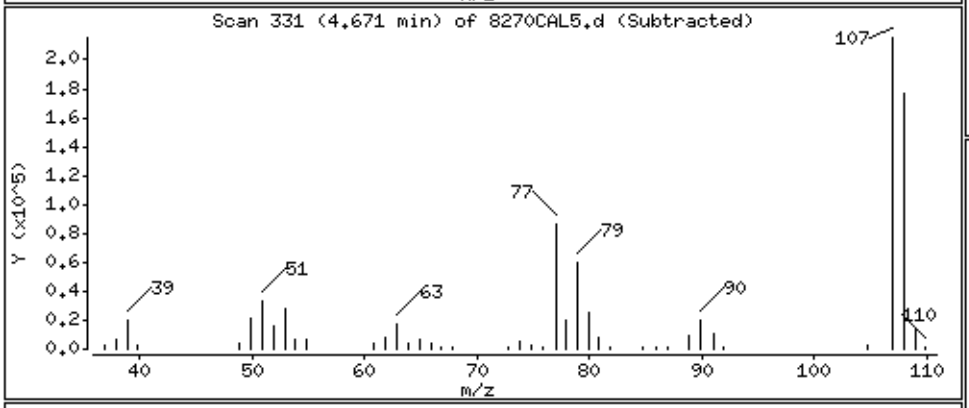
Operator: MJ

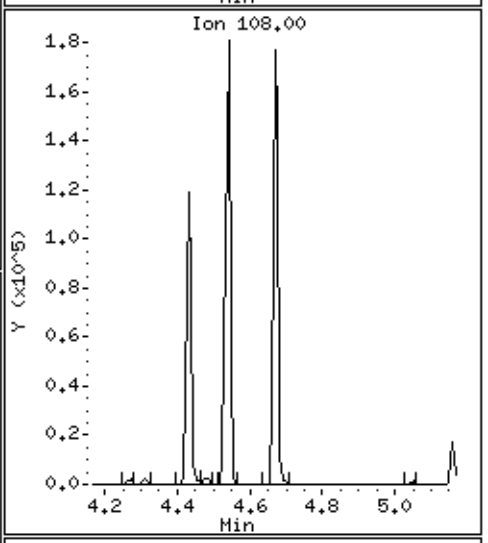
Column phase: HPMS-5 Column diameter: 0.25

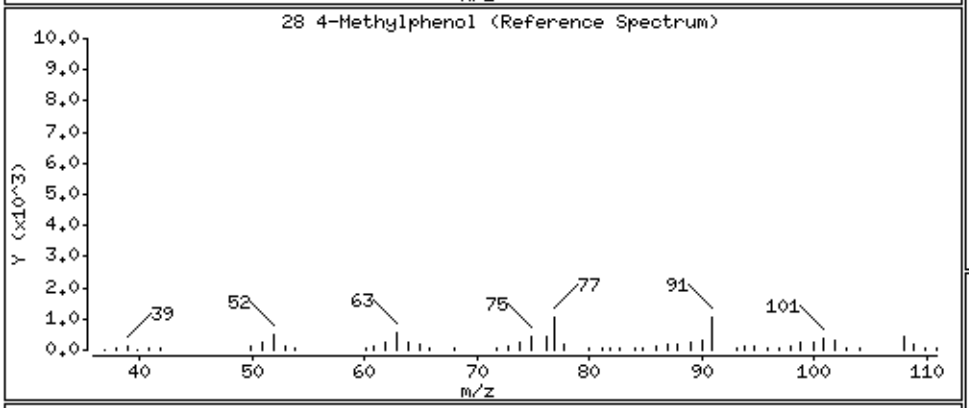
28 4-Methylphenol Concentration: 58.6 ug/kg

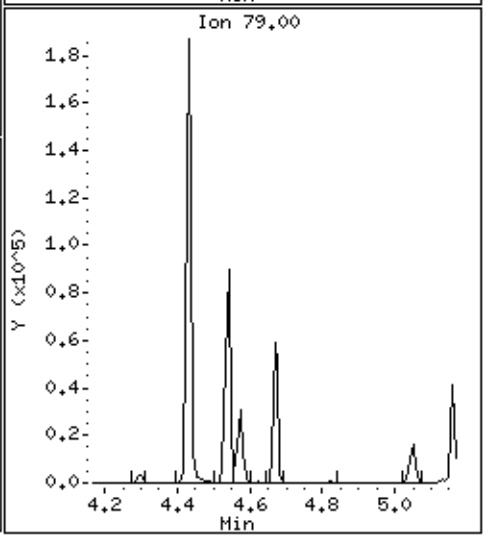


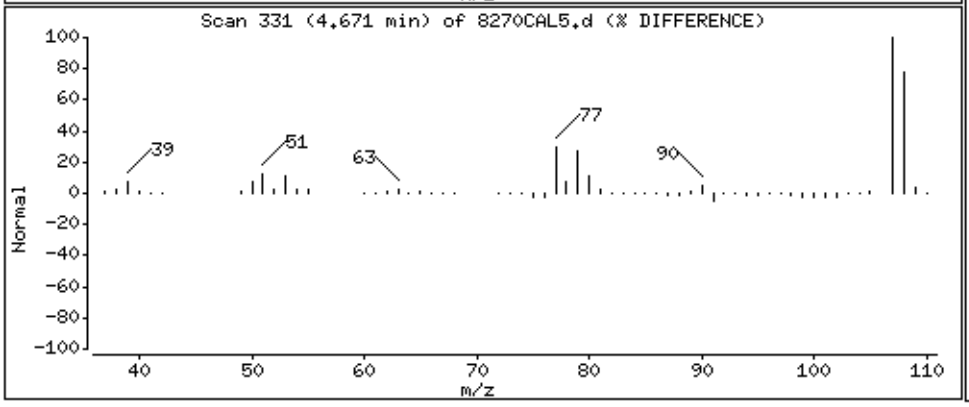












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

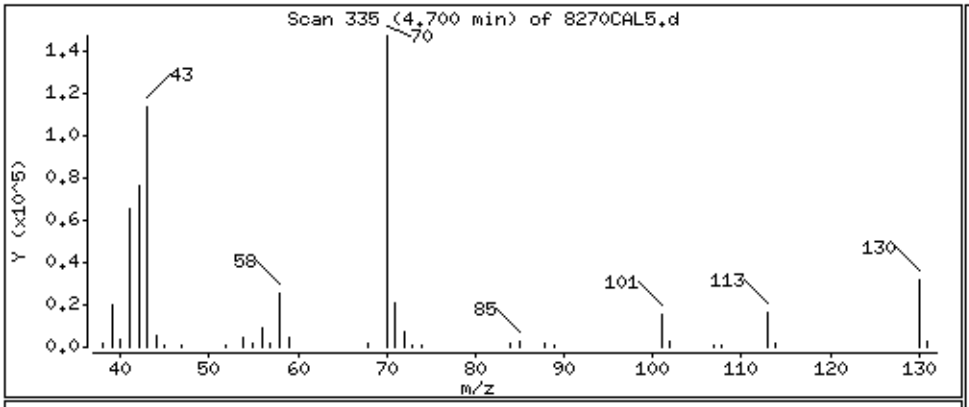
Operator: MJ

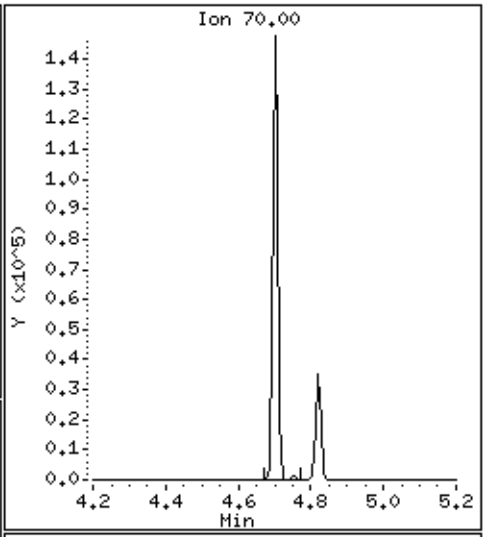
Column phase: HPMS-5

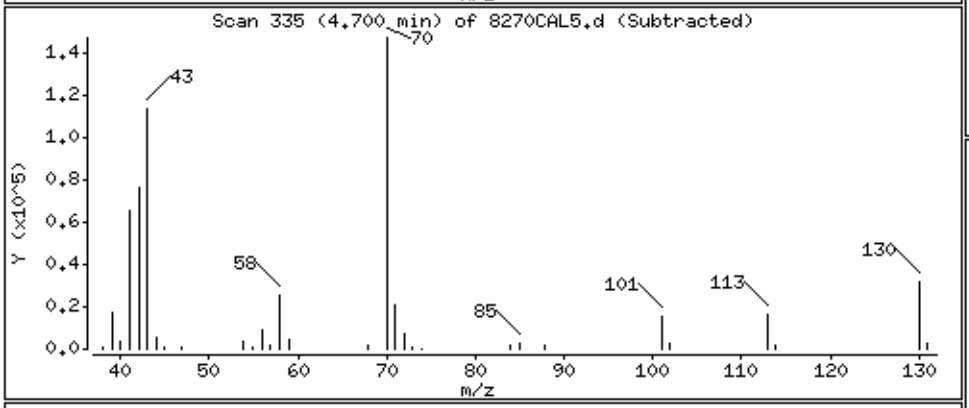
Column diameter: 0.25

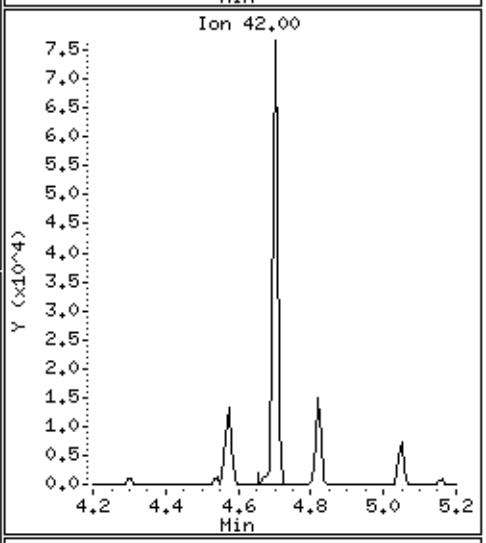
26 N-Nitrosodinpropylamine

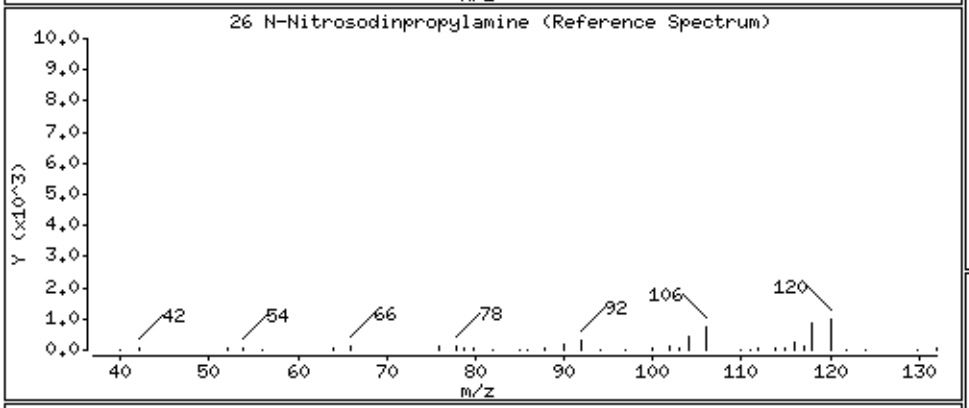
Concentration: 61.0 ug/kg

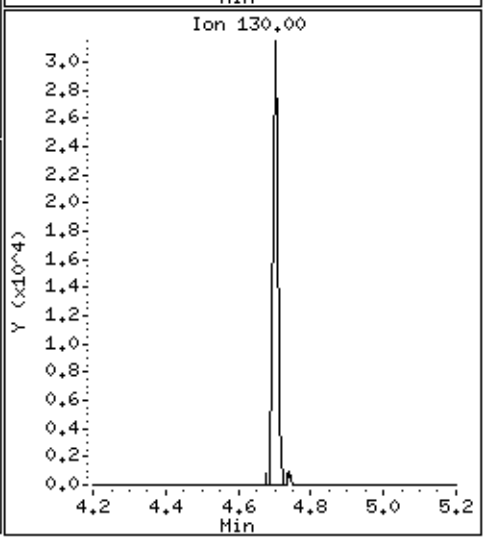


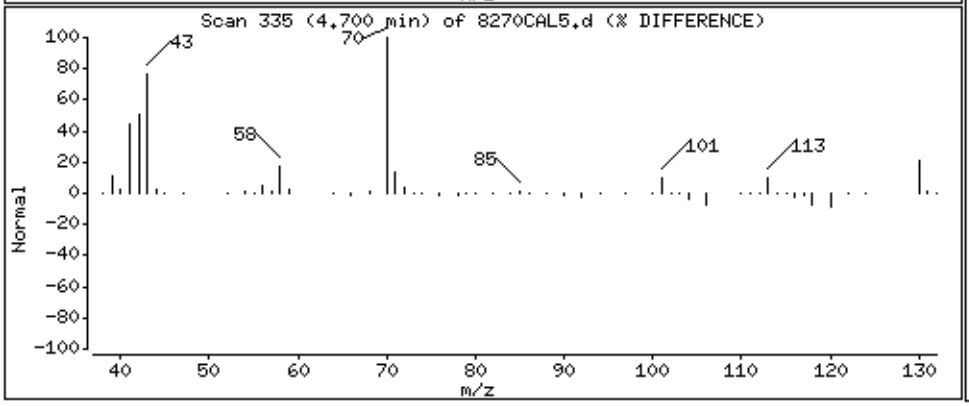












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

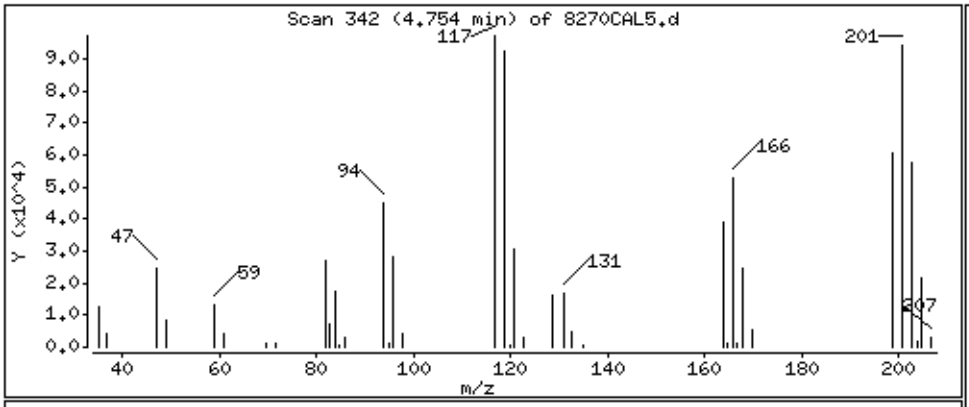
Operator: MJ

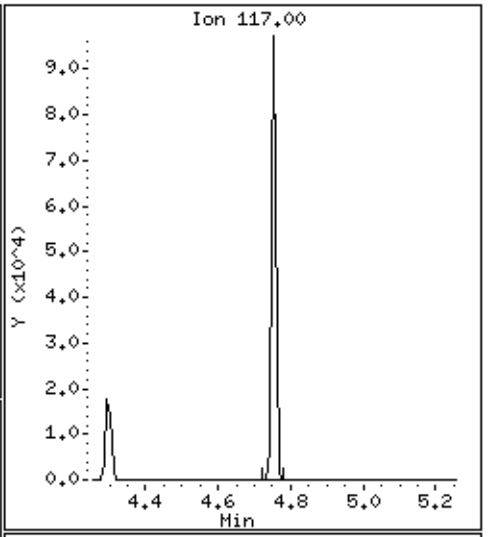
Column phase: HPMS-5

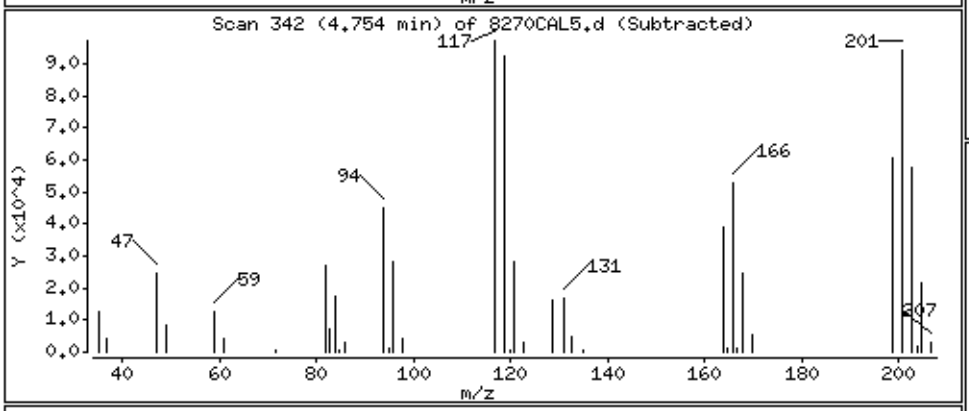
Column diameter: 0.25

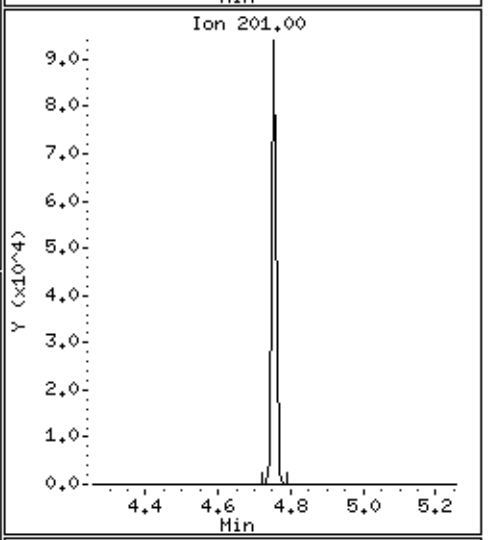
30 Hexachloroethane

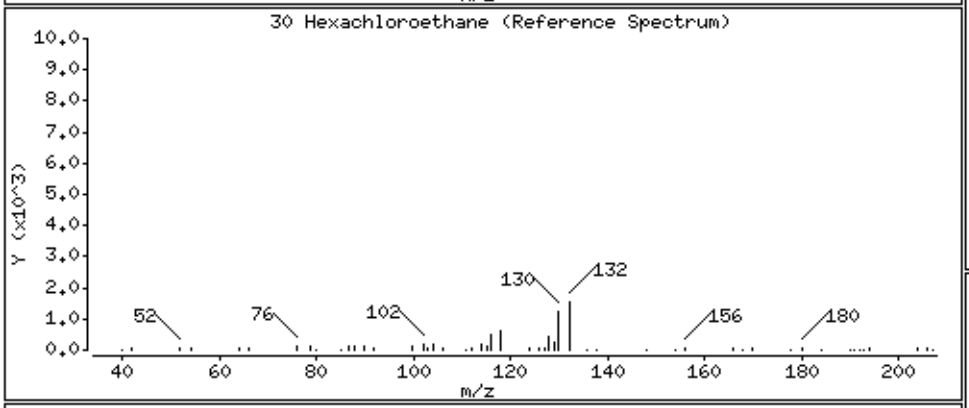
Concentration: 59.8 ug/kg

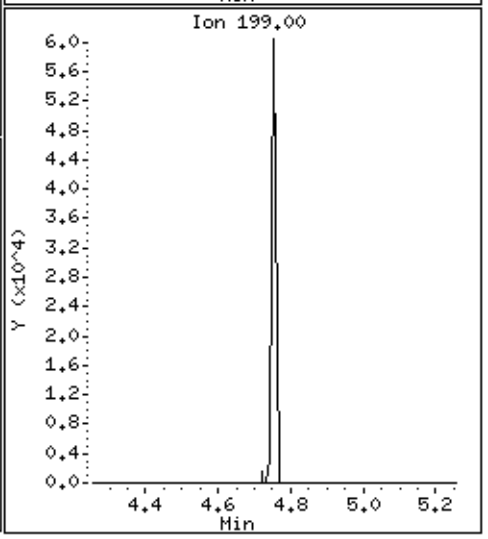


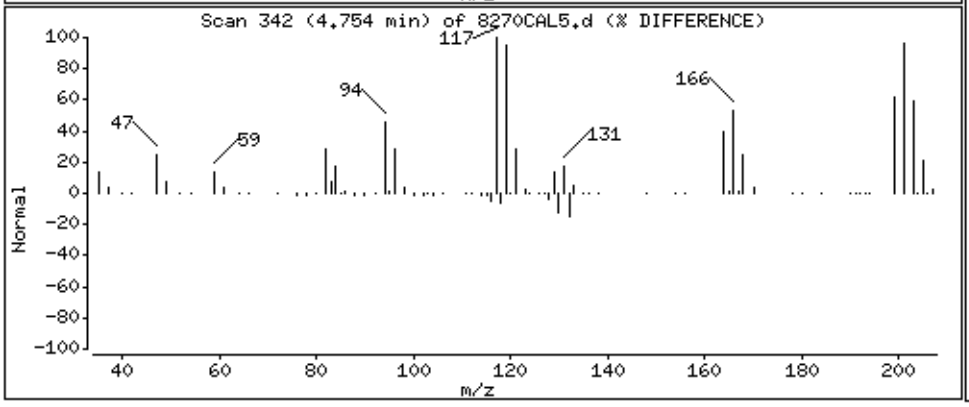












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

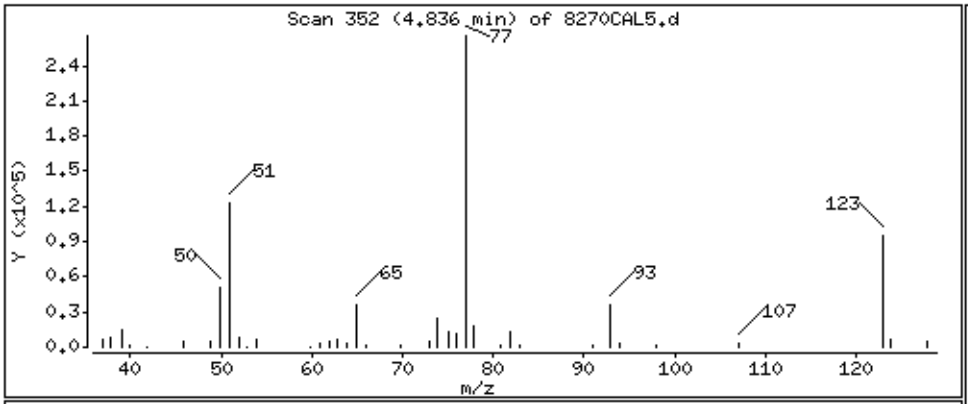
Operator: MJ

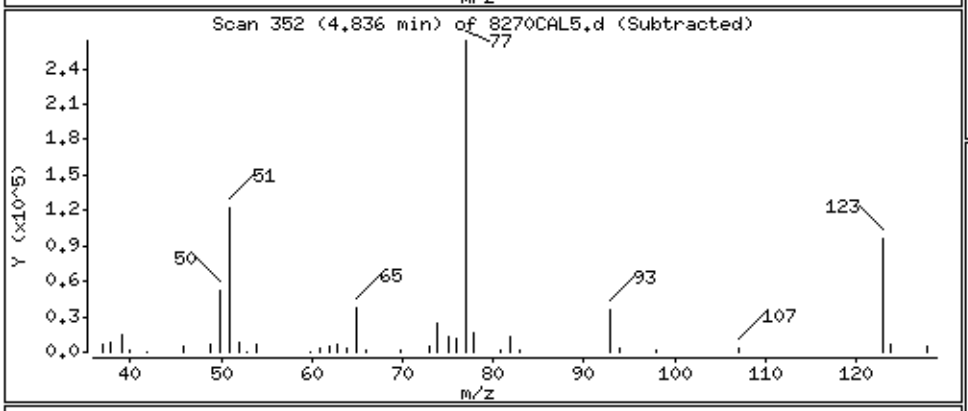
Column phase: HPMS-5

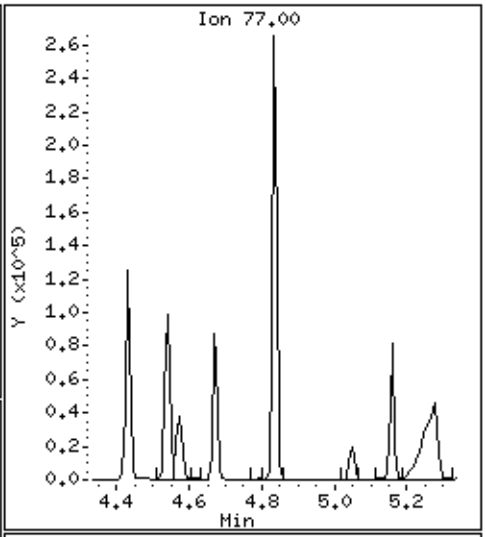
Column diameter: 0.25

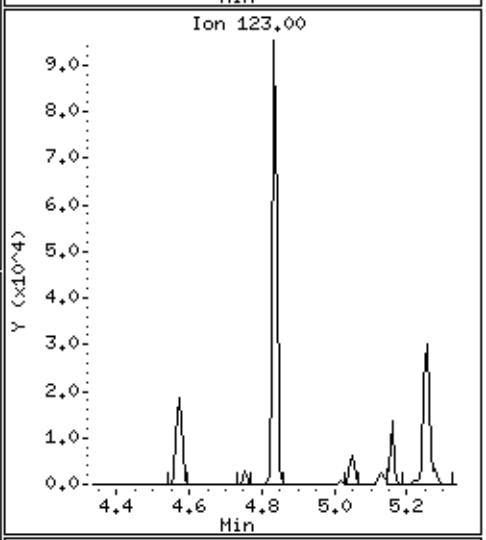
32 Nitrobenzene

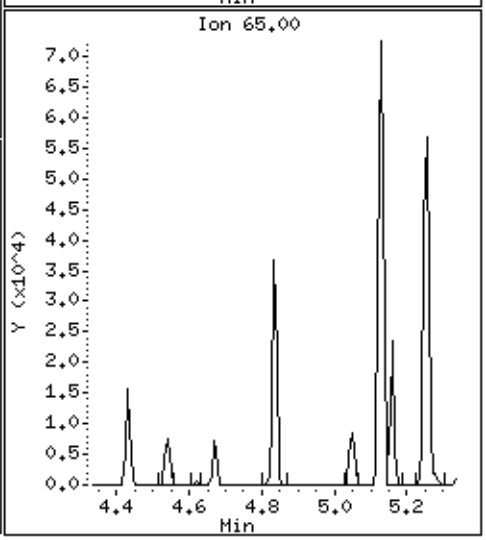
Concentration: 60.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

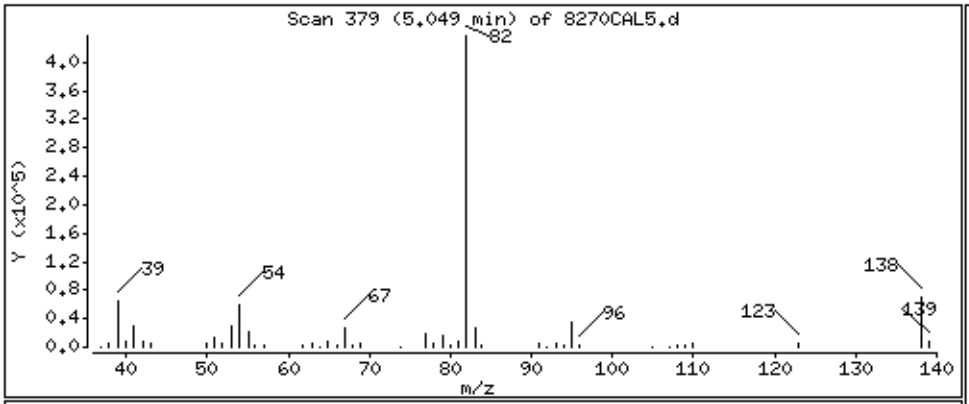
Client ID: 8270CAL5 Instrument: smsd04.i

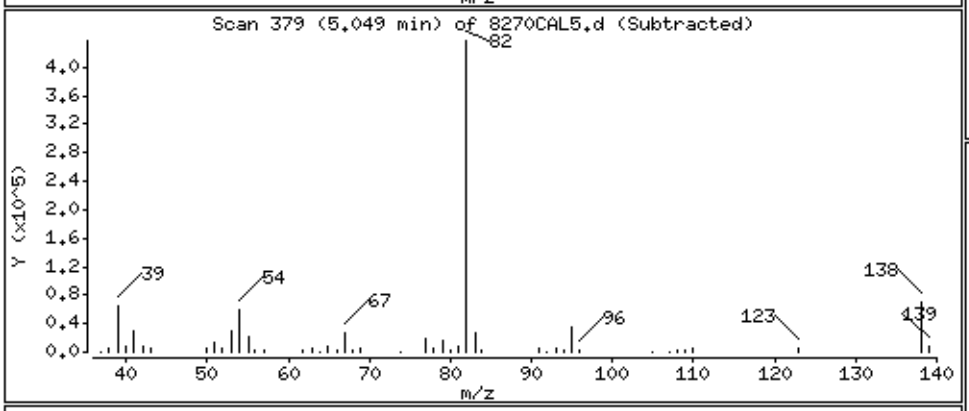
Sample Info: 47765

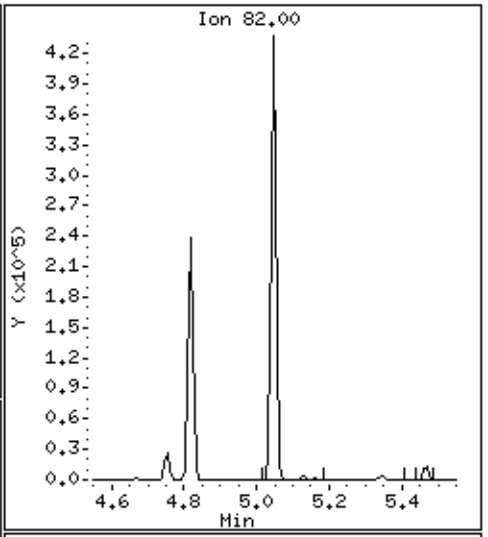
Operator: MJ

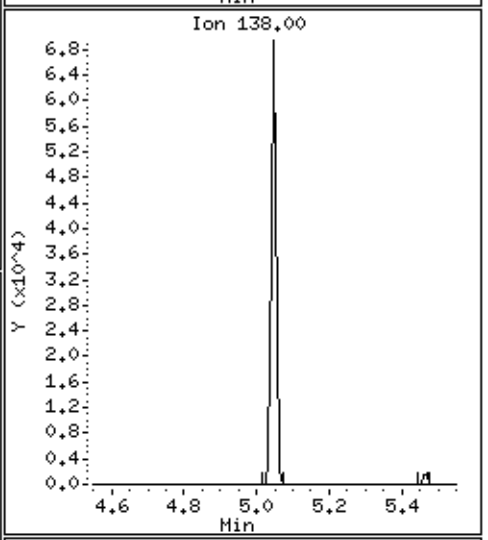
Column phase: HPMS-5 Column diameter: 0.25

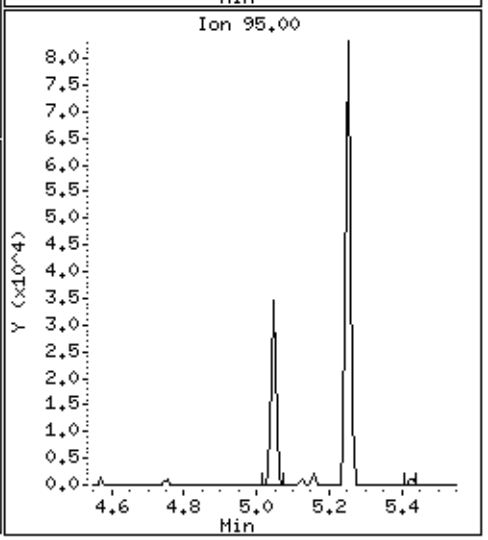
34 Isophorone Concentration: 60.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

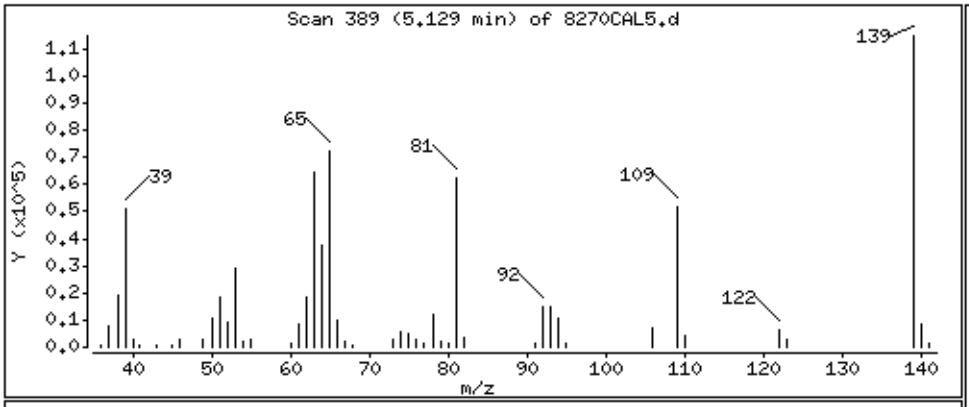
Operator: MJ

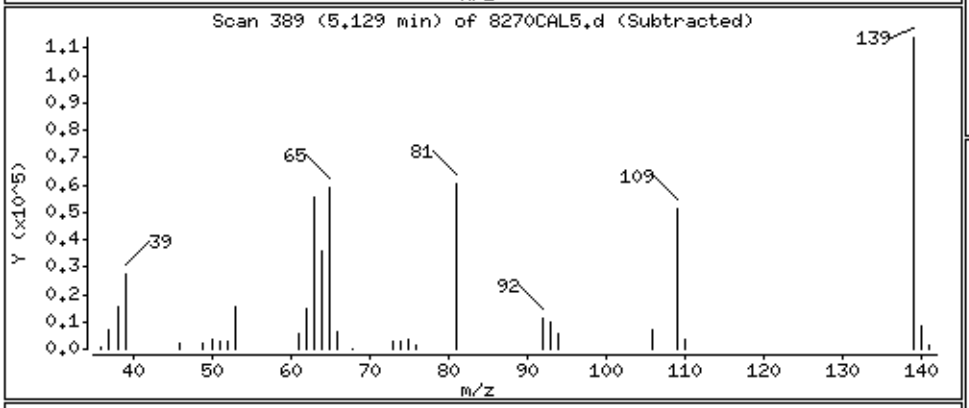
Column phase: HPMS-5

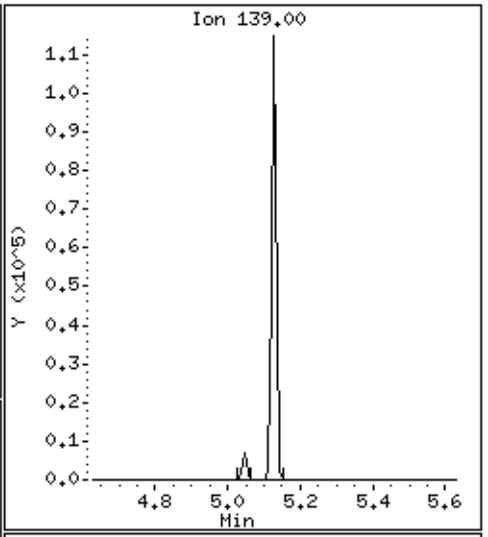
Column diameter: 0.25

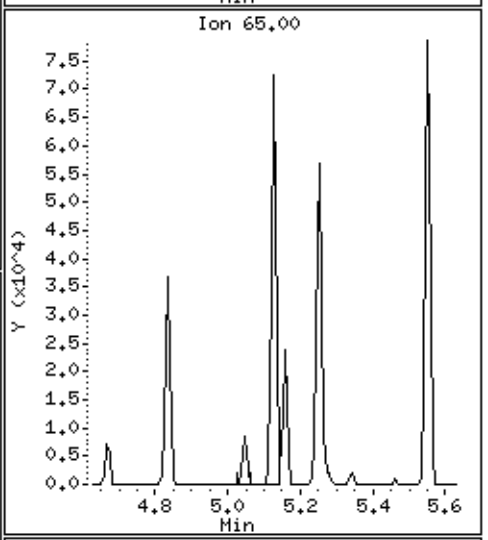
35 2-Nitrophenol

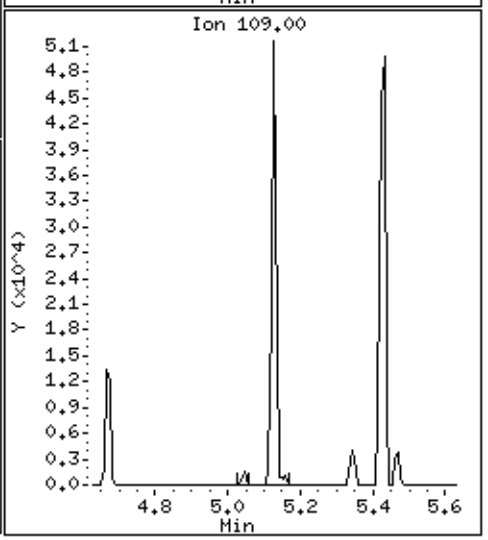
Concentration: 59.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

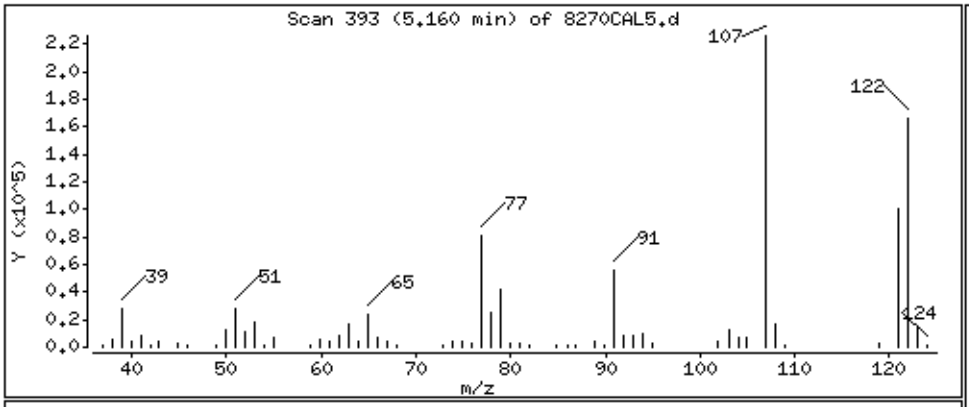
Client ID: 8270CAL5 Instrument: smsd04.i

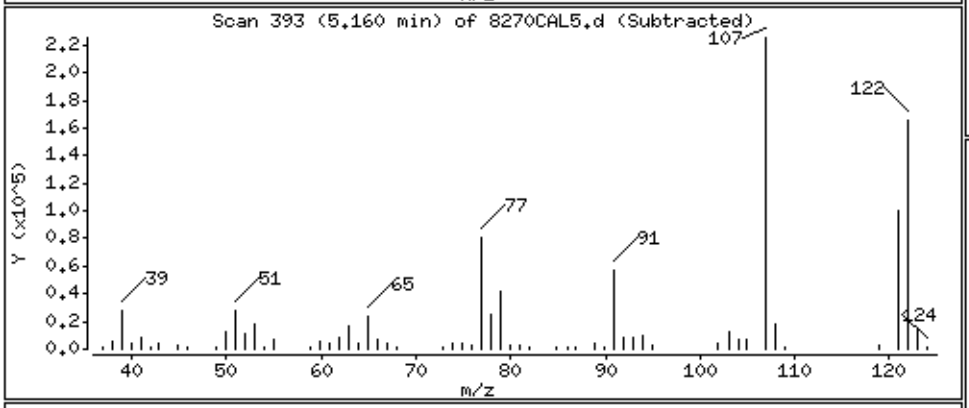
Sample Info: 47765

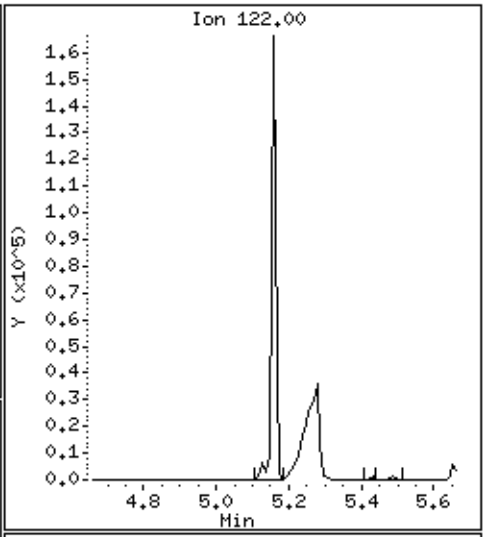
Operator: MJ

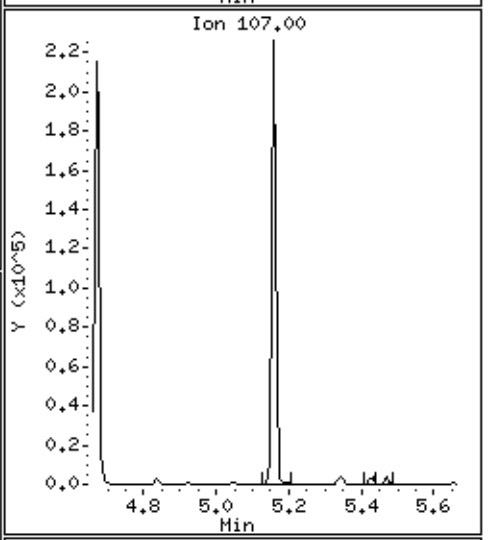
Column phase: HPMS-5 Column diameter: 0.25

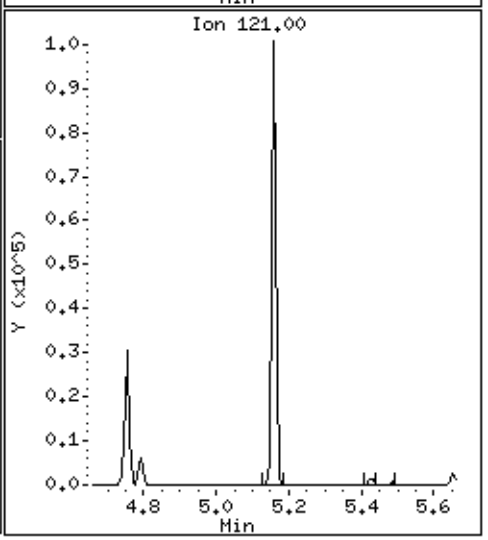
36 2,4-Dimethylphenol Concentration: 59.6 ug/kg











Date : 14-NOV-2012 23:22

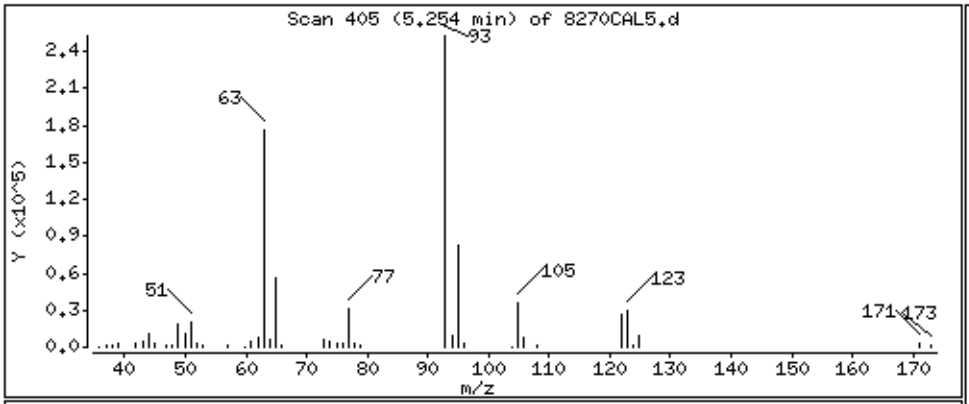
Client ID: 8270CAL5 Instrument: smsd04.i

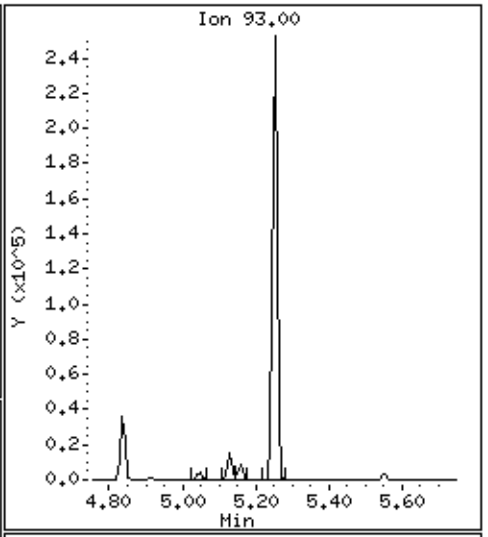
Sample Info: 47765

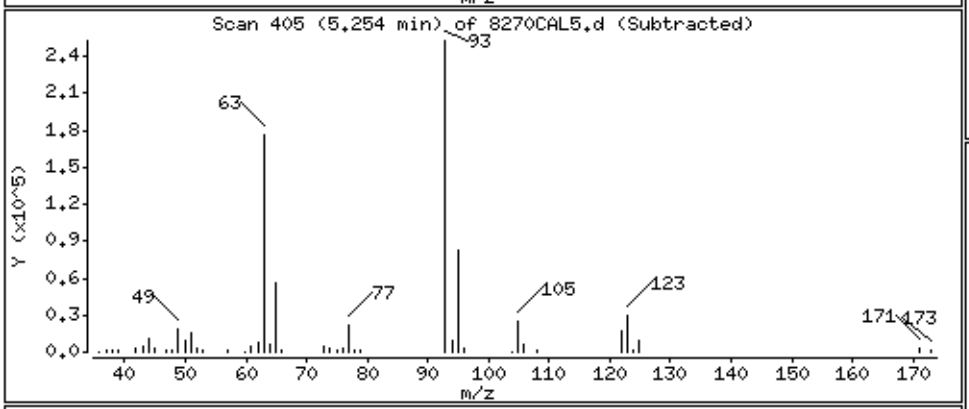
Operator: MJ

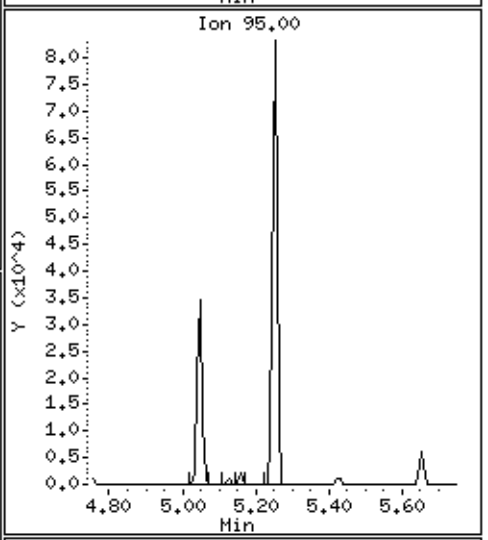
Column phase: HPMS-5 Column diameter: 0.25

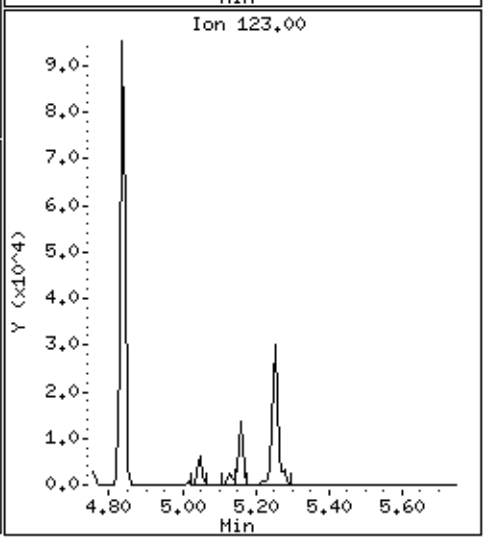
38 Bis(2-Chloroethoxy)methane Concentration: 59.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

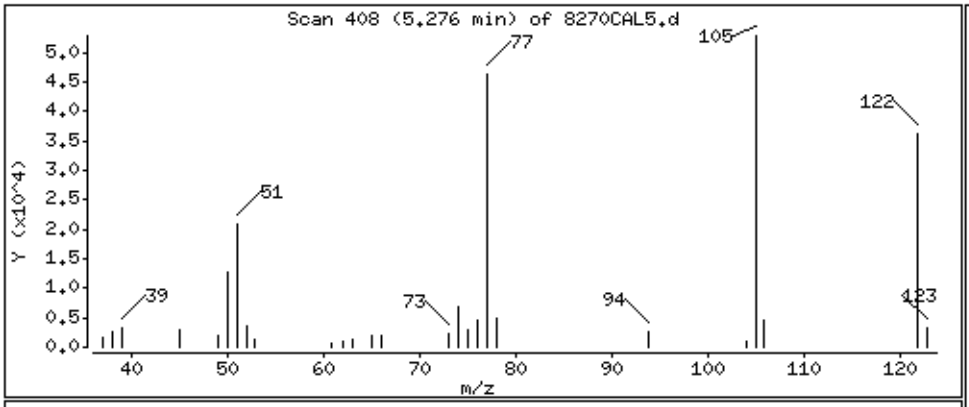
Operator: MJ

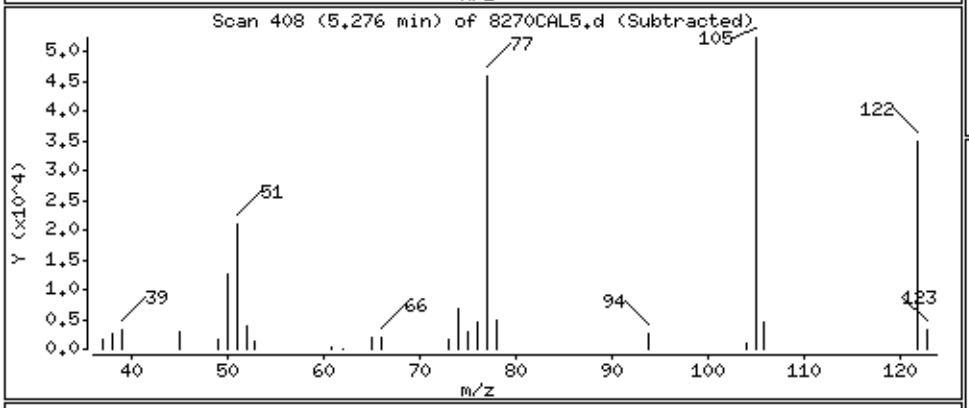
Column phase: HPMS-5

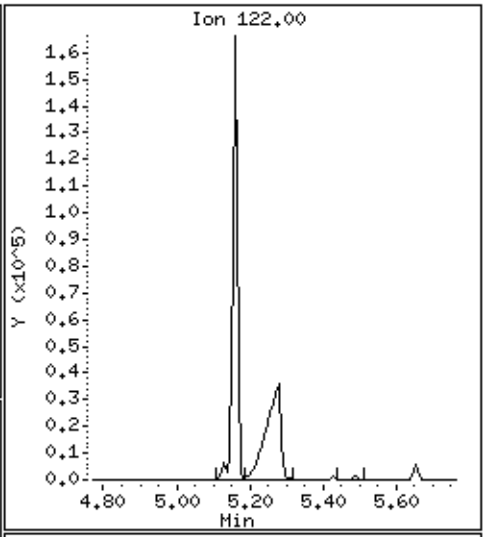
Column diameter: 0.25

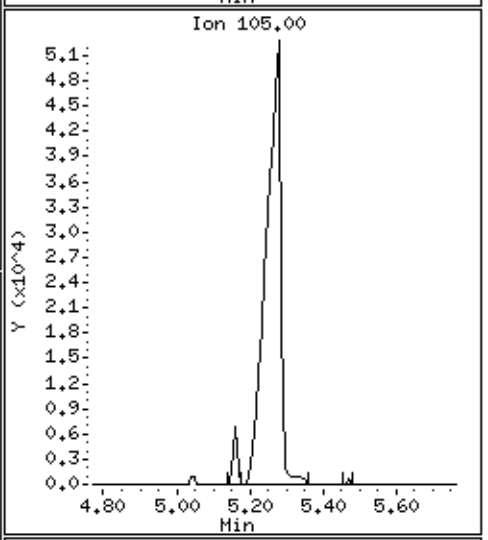
40 Benzoic Acid

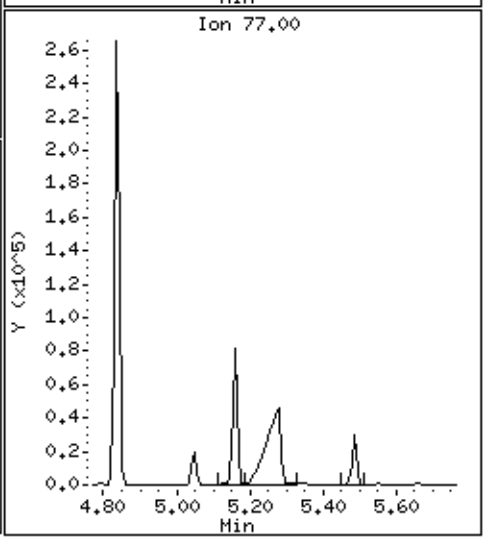
Concentration: 57.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

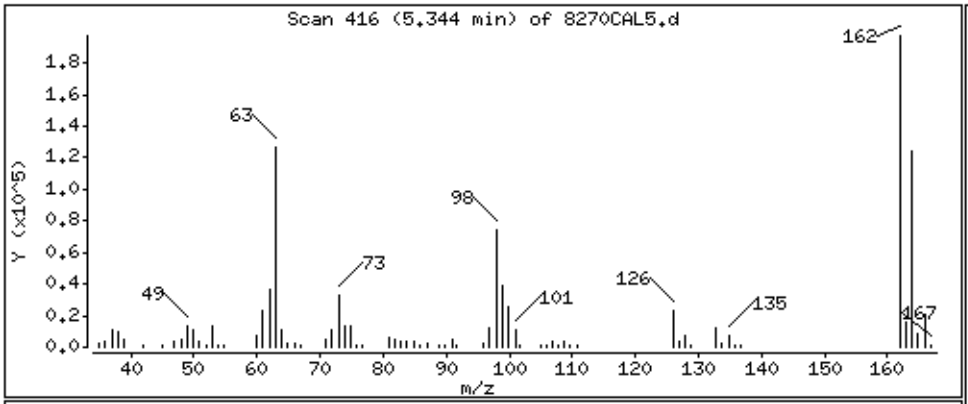
Operator: MJ

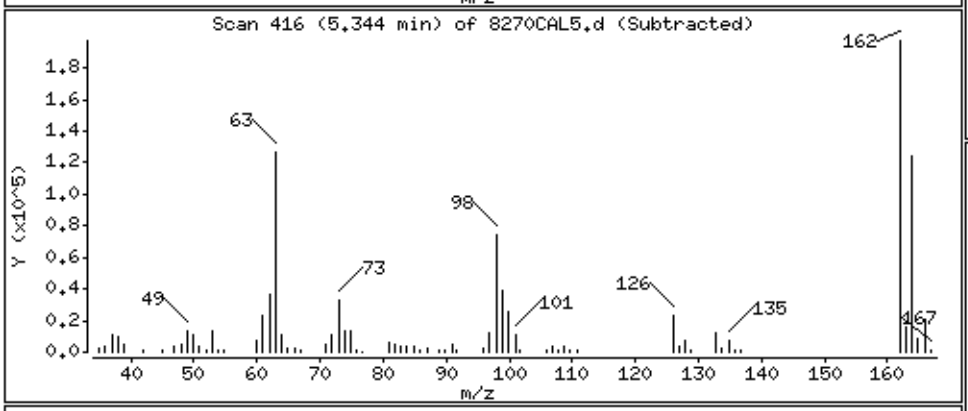
Column phase: HPMS-5

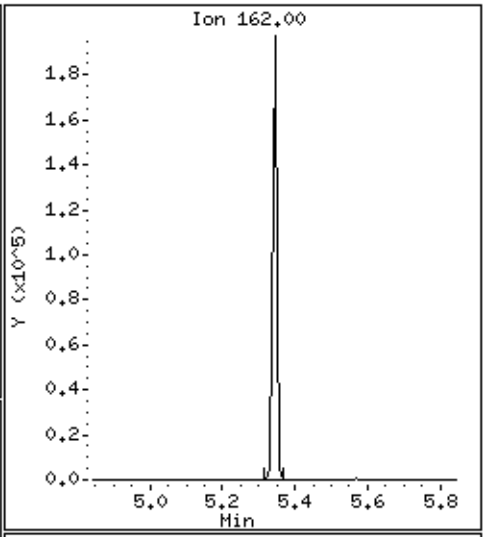
Column diameter: 0.25

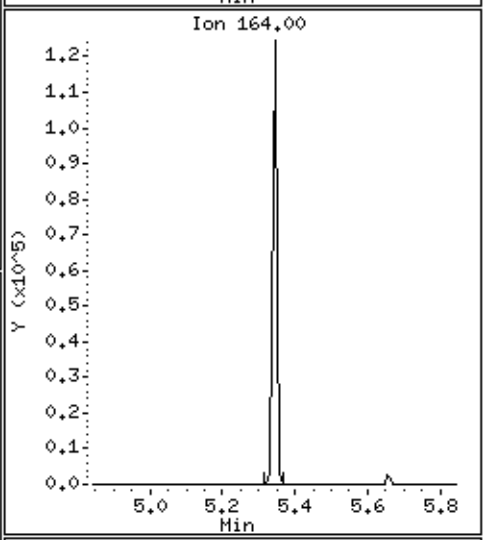
41 2,4-Dichlorophenol

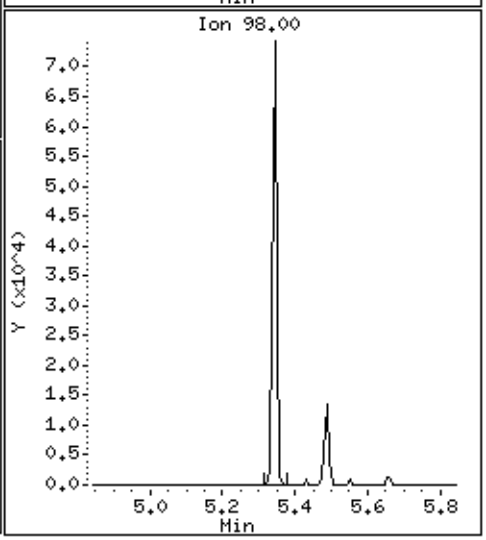
Concentration: 58.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

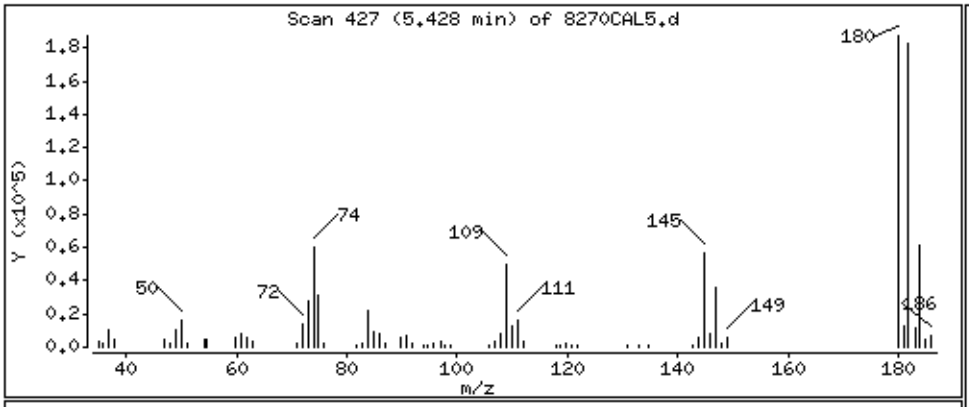
Operator: MJ

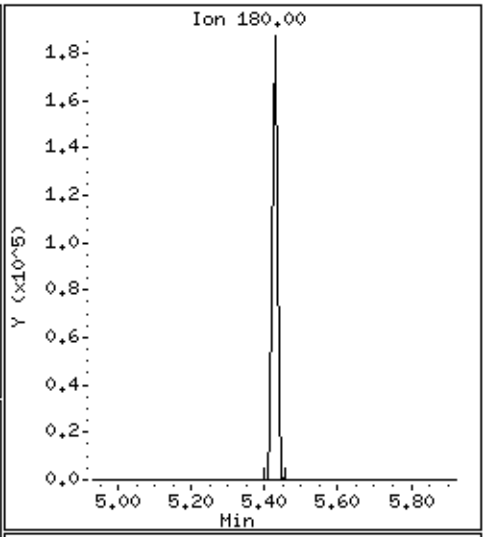
Column phase: HPMS-5

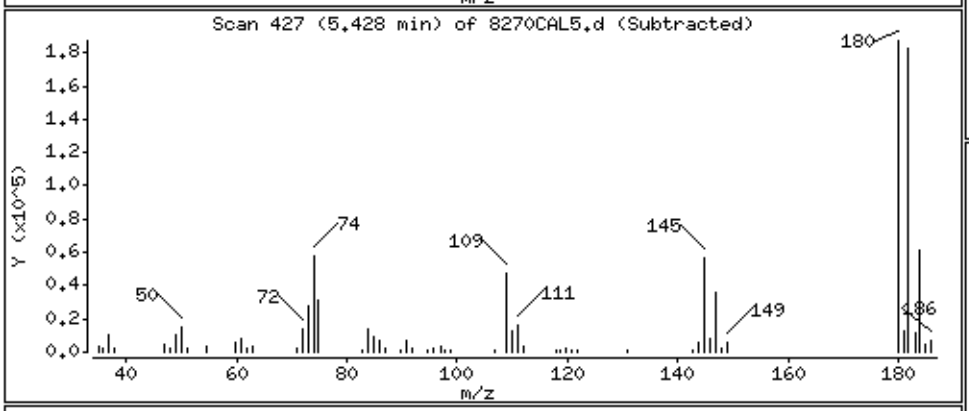
Column diameter: 0.25

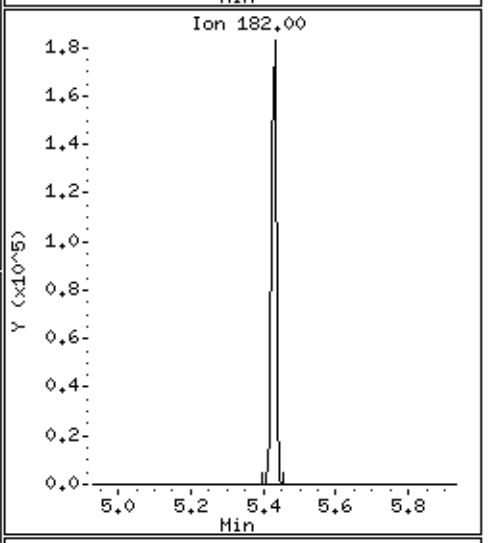
42 1,2,4-Trichlorobenzene

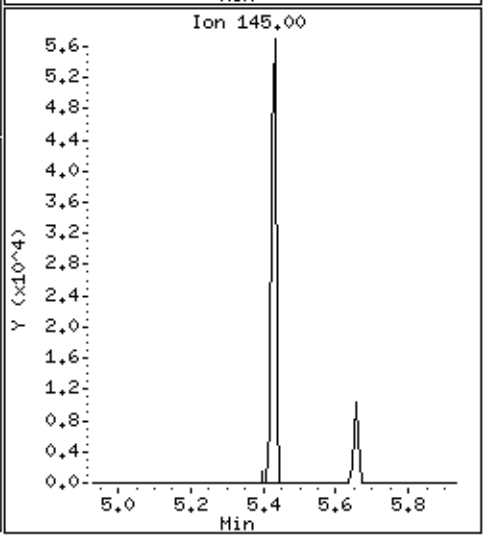
Concentration: 58.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

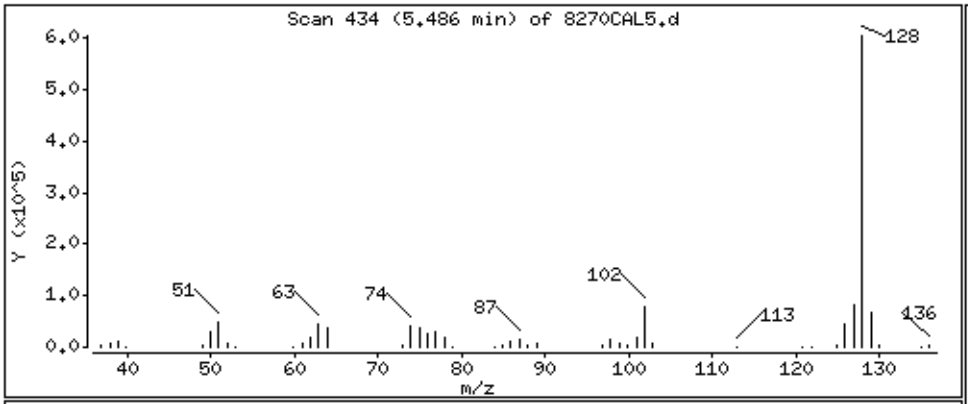
Client ID: 8270CAL5 Instrument: smsd04.i

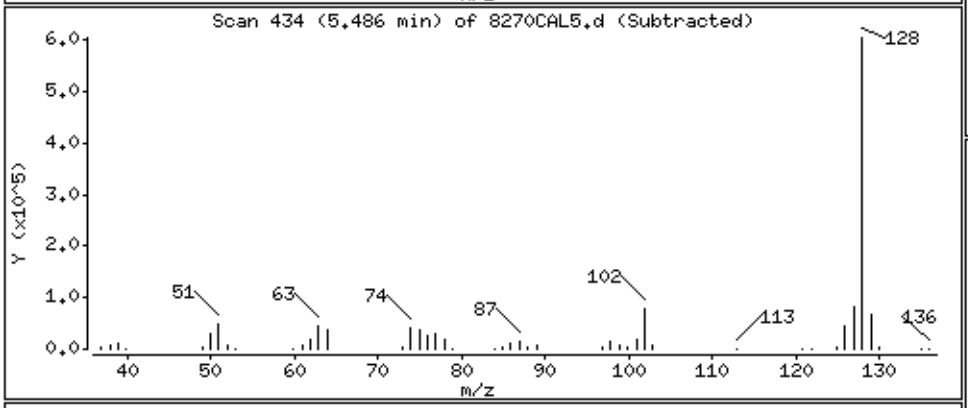
Sample Info: 47765

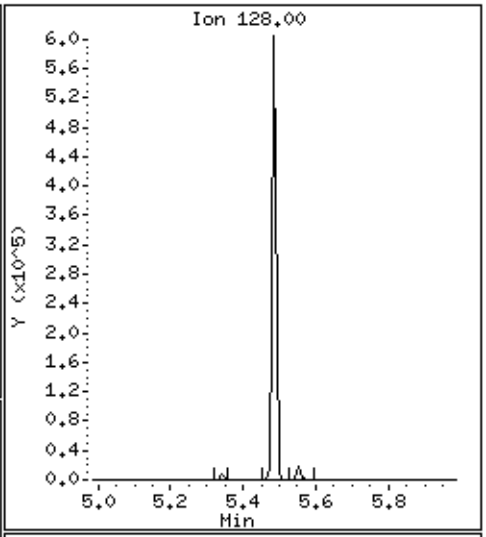
Operator: MJ

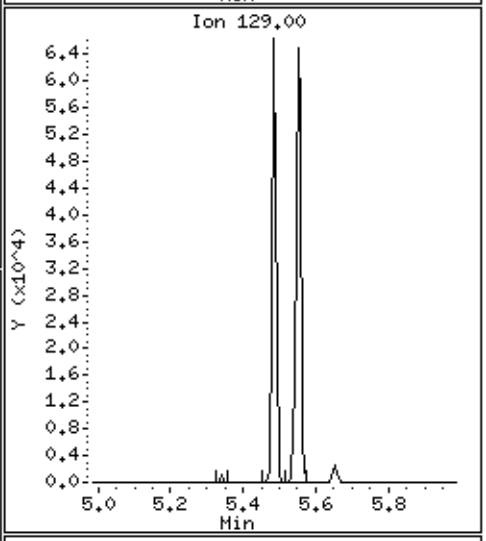
Column phase: HPMS-5 Column diameter: 0.25

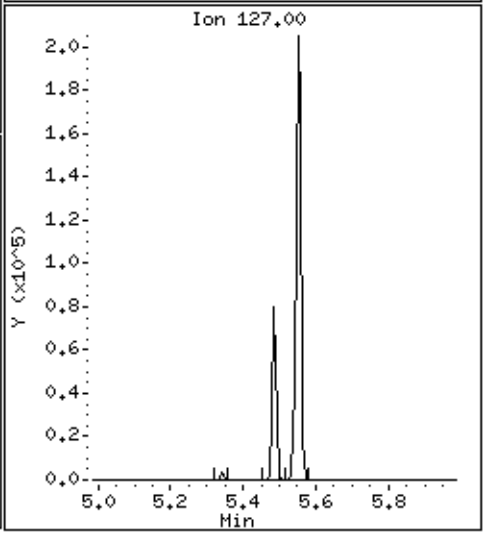
44 Naphthalene Concentration: 58.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

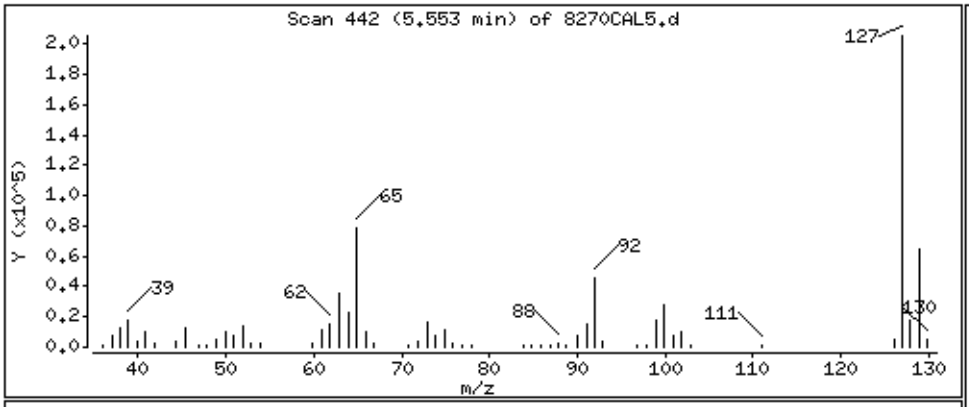
Operator: MJ

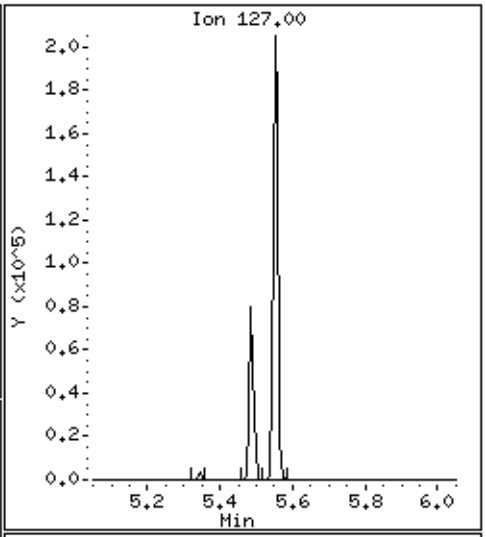
Column phase: HPMS-5

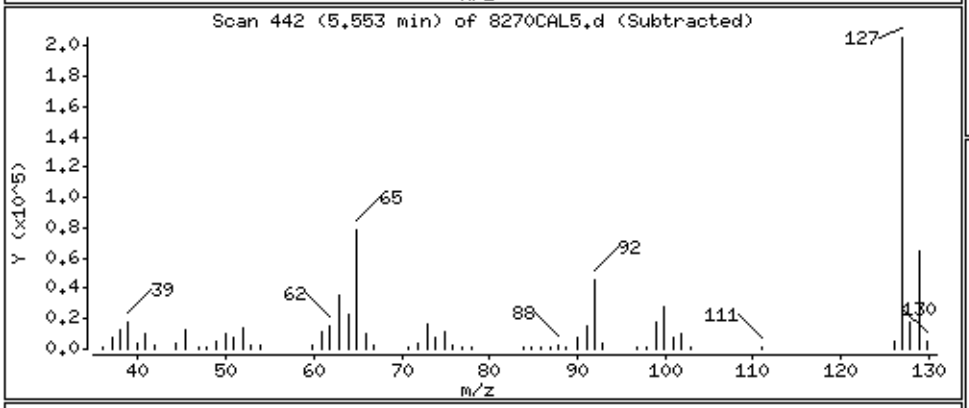
Column diameter: 0.25

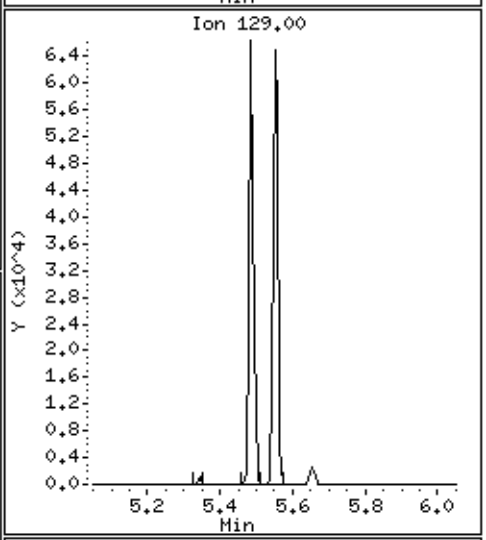
45 4-Chloroaniline

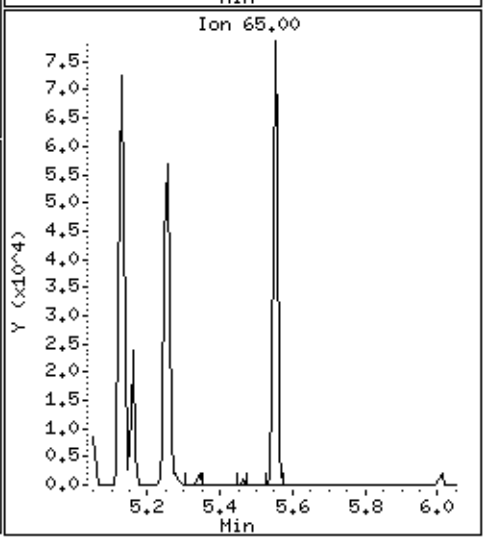
Concentration: 59.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

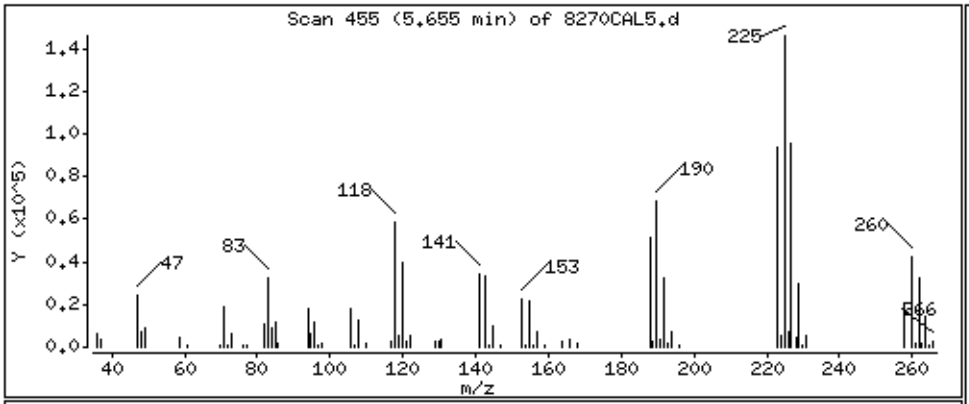
Operator: MJ

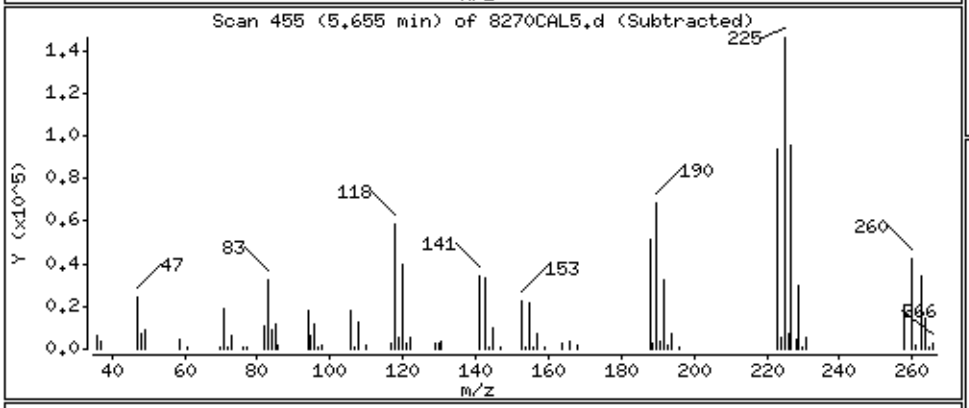
Column phase: HPMS-5

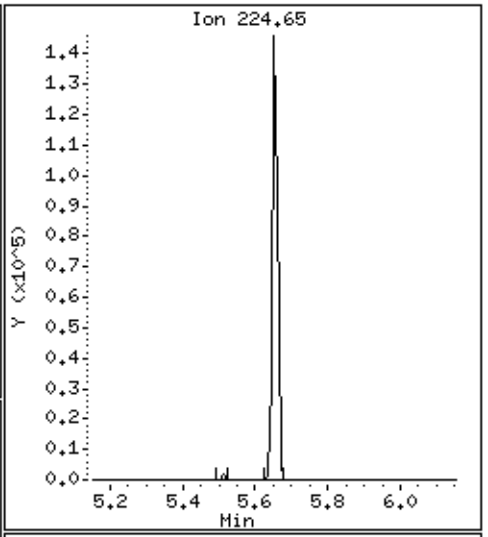
Column diameter: 0.25

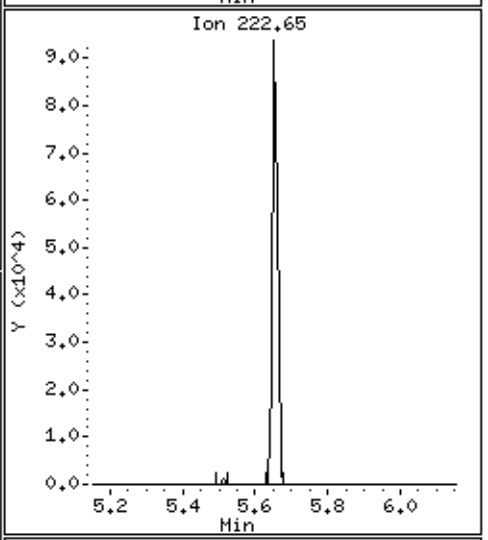
48 Hexachlorobutadiene

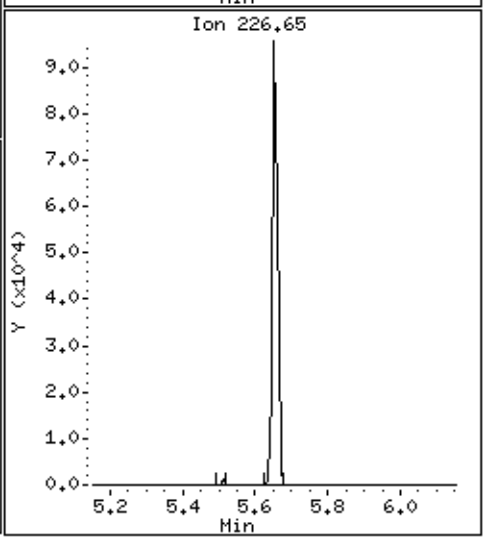
Concentration: 58.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

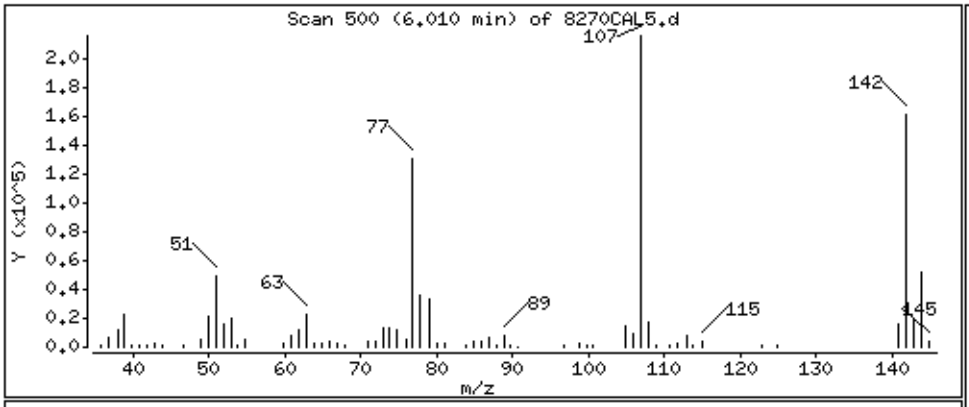
Operator: MJ

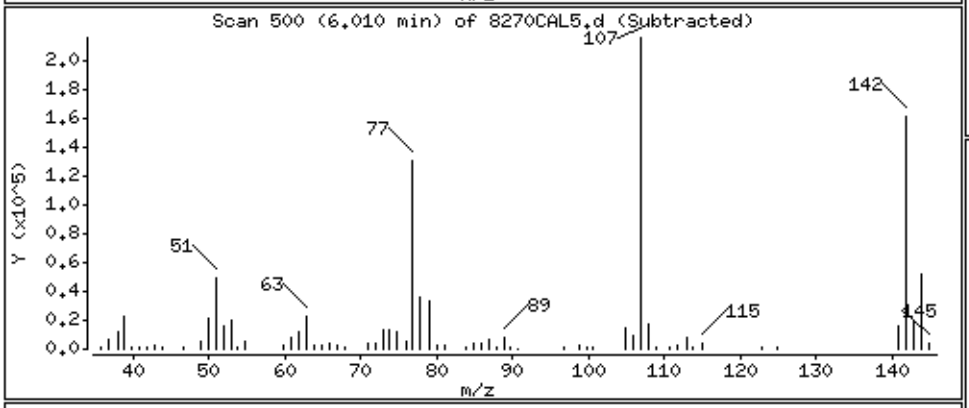
Column phase: HPMS-5

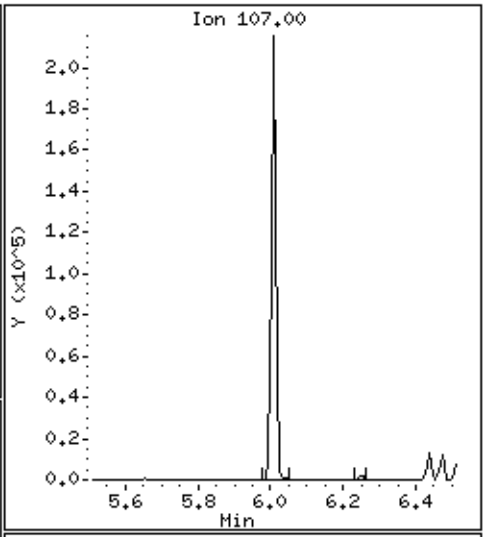
Column diameter: 0.25

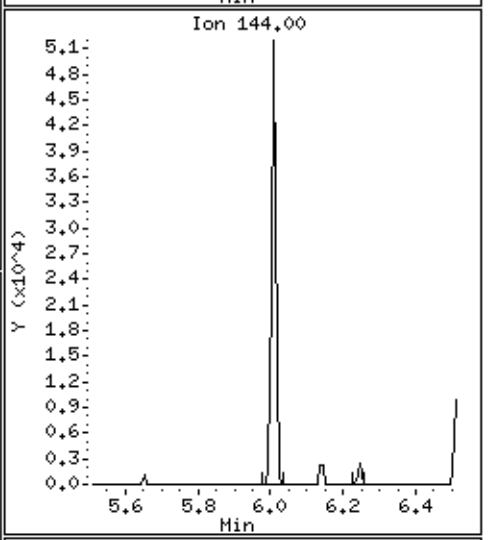
51 4-Chloro-3-methylphenol

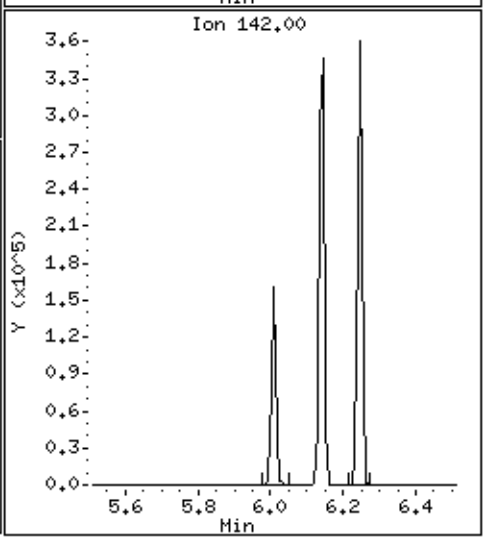
Concentration: 59.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

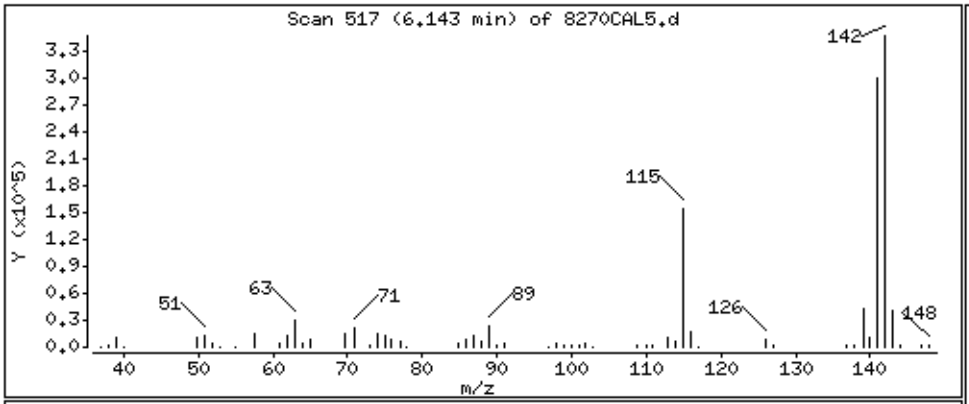
Operator: MJ

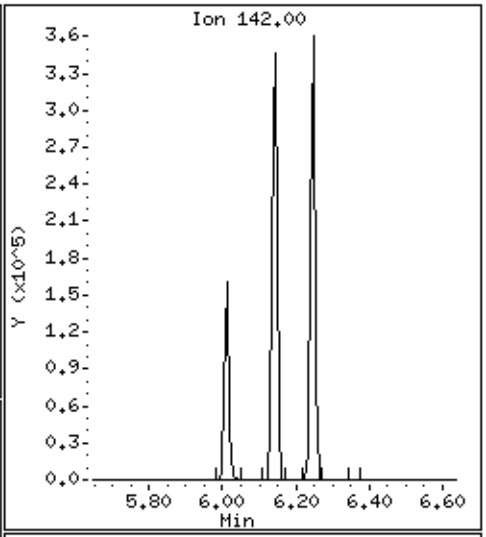
Column phase: HPMS-5

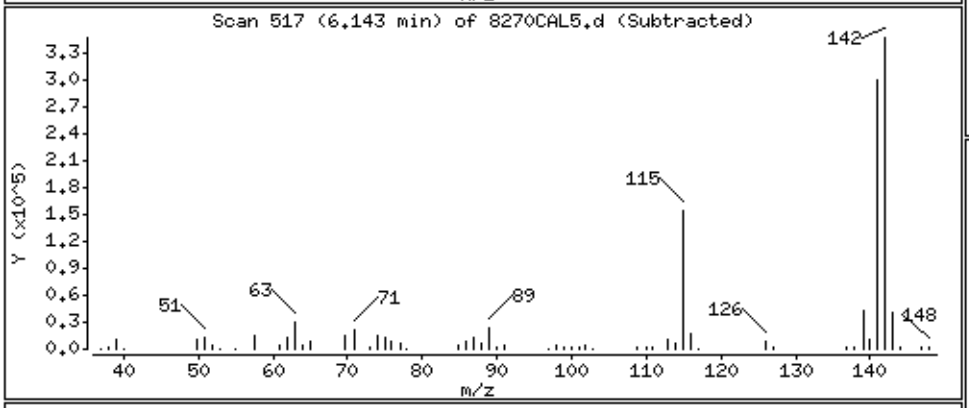
Column diameter: 0.25

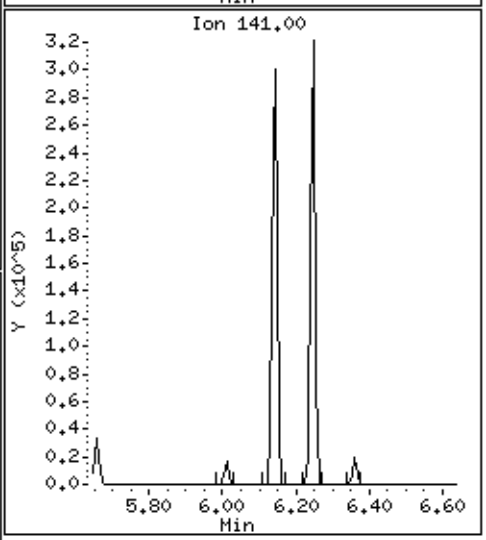
53 2-Methylnaphthalene

Concentration: 59.0 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

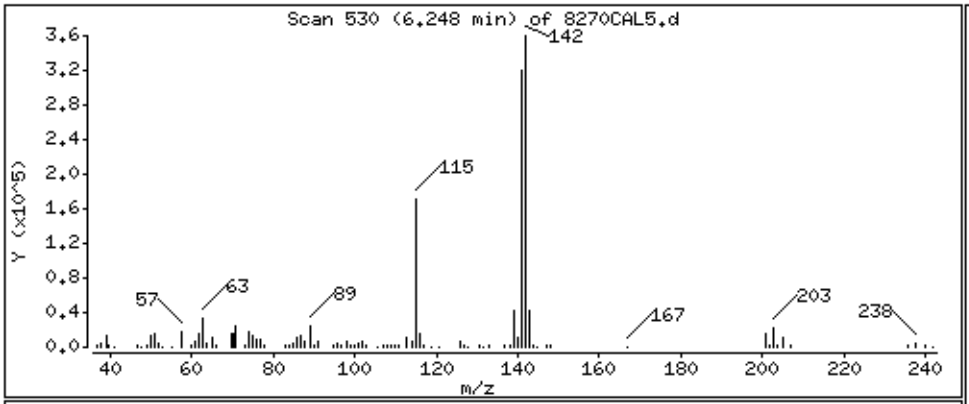
Operator: MJ

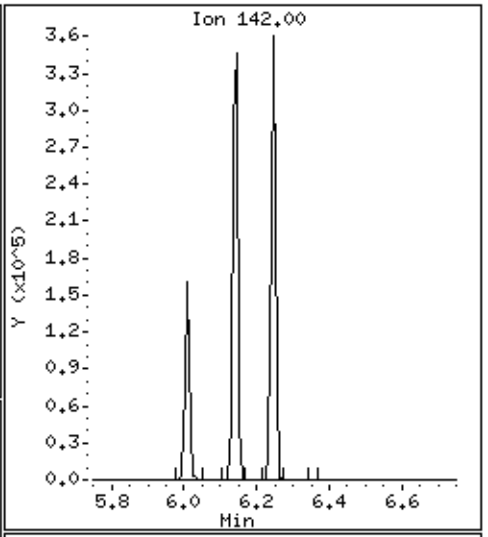
Column phase: HPMS-5

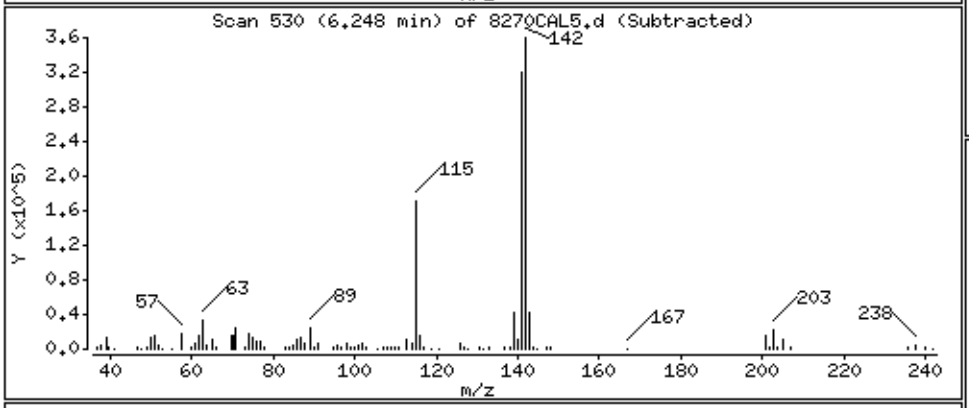
Column diameter: 0.25

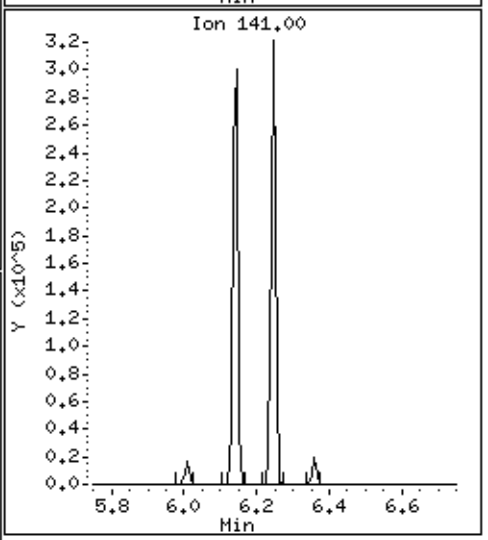
54 1-Methylnaphthalene

Concentration: 58.5 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

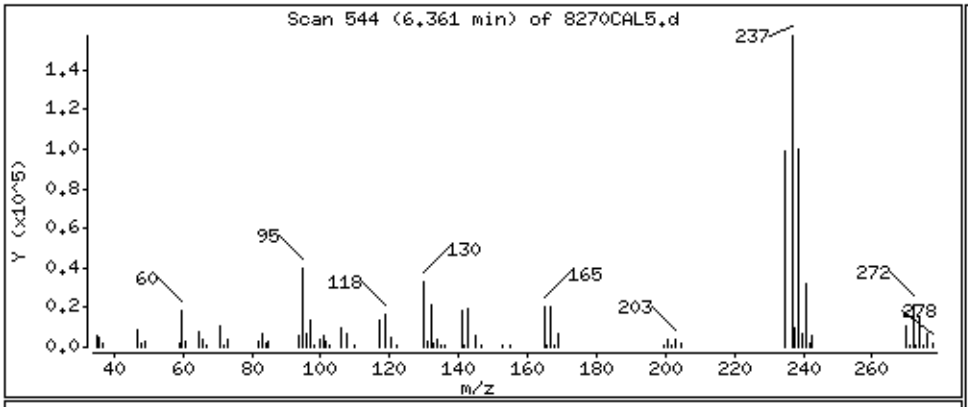
Operator: MJ

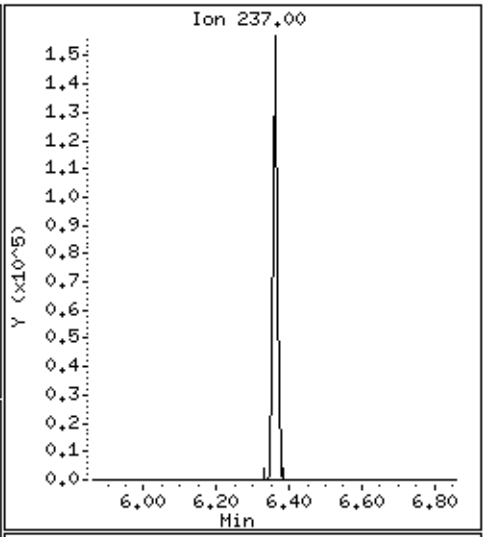
Column phase: HPMS-5

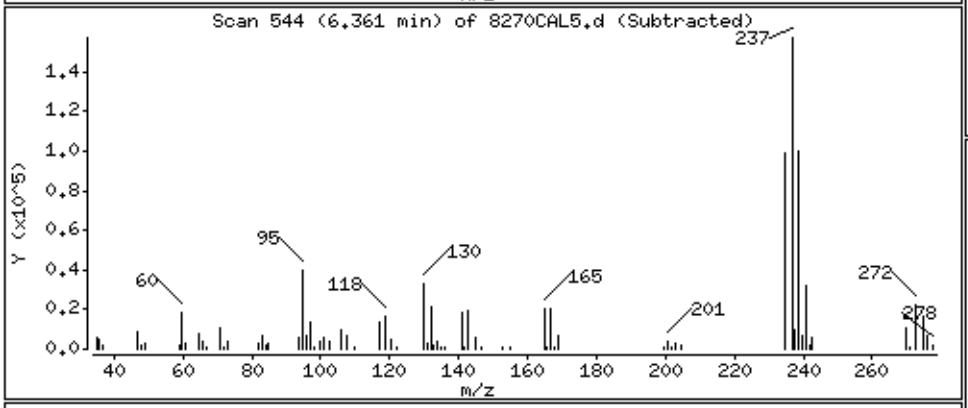
Column diameter: 0.25

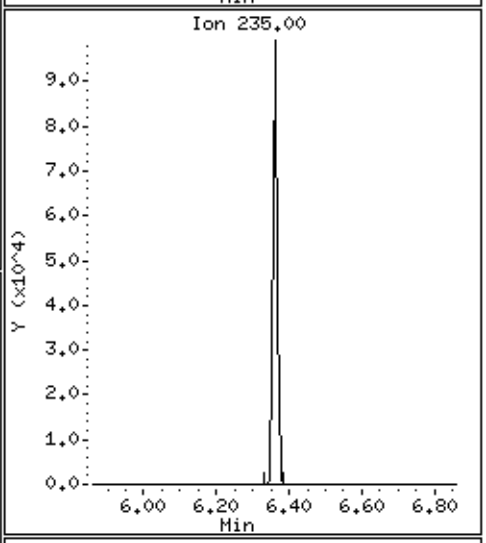
55 Hexachlorocyclopentadiene

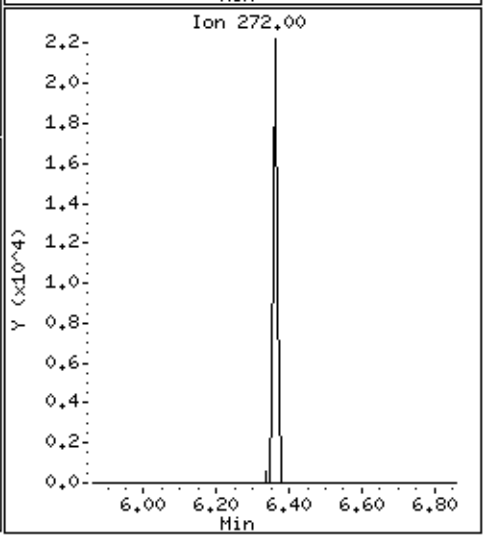
Concentration: 61.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

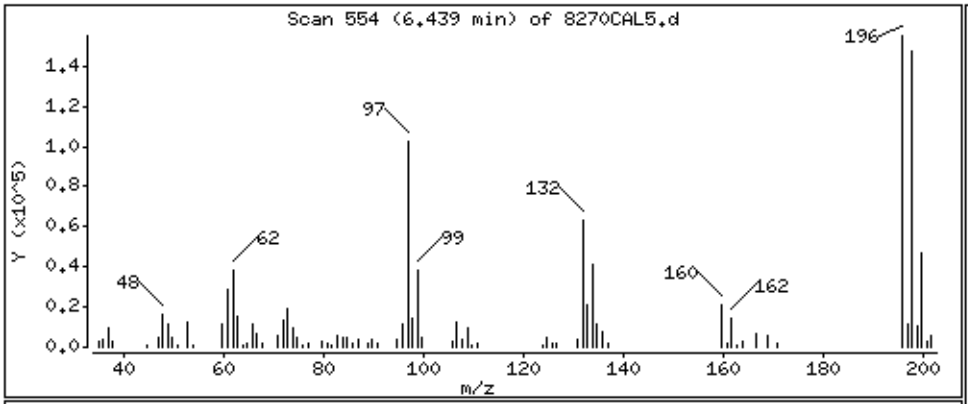
Operator: MJ

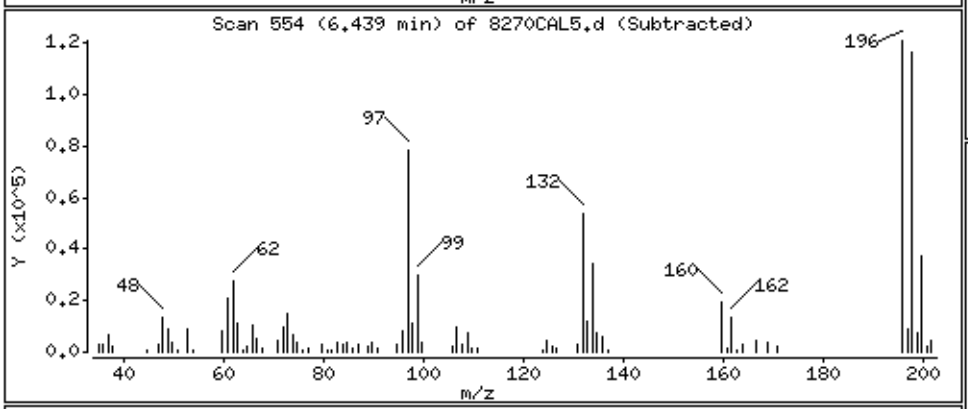
Column phase: HPMS-5

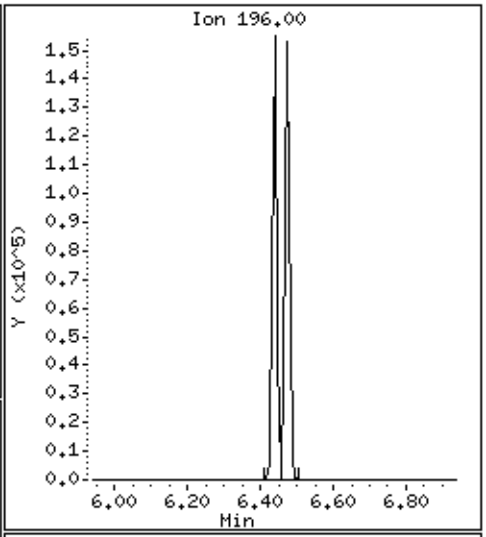
Column diameter: 0.25

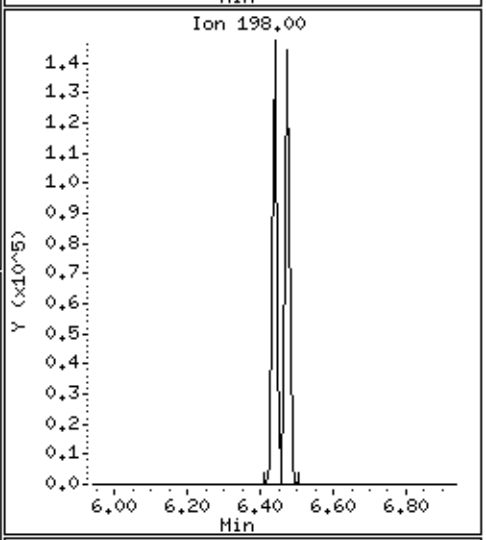
57 2,4,6-Trichlorophenol

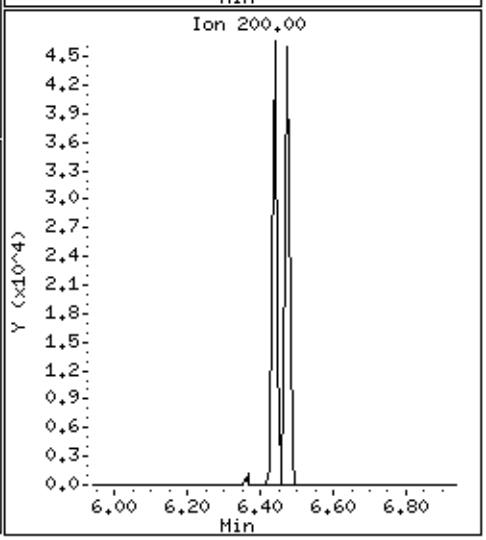
Concentration: 59.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

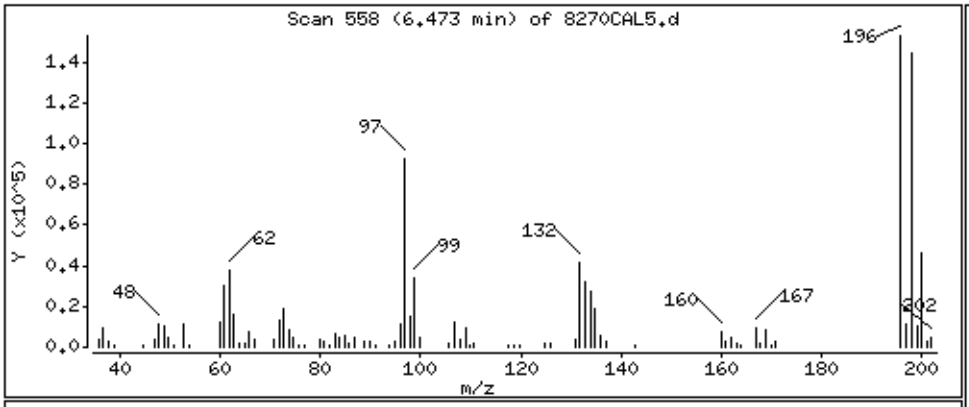
Operator: MJ

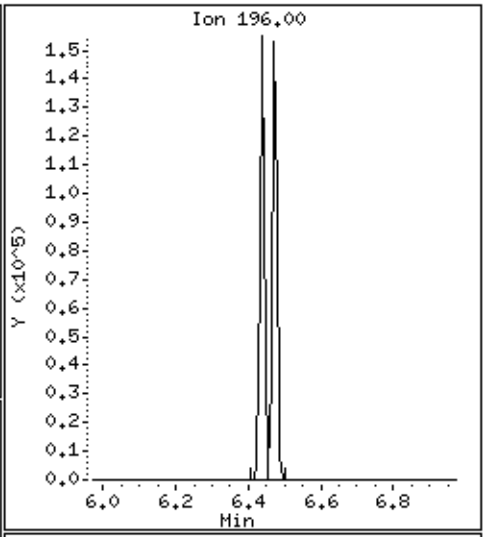
Column phase: HPMS-5

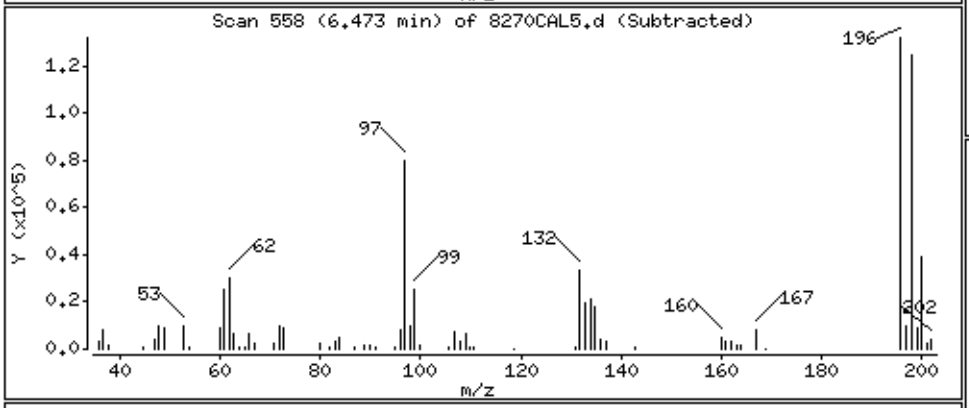
Column diameter: 0.25

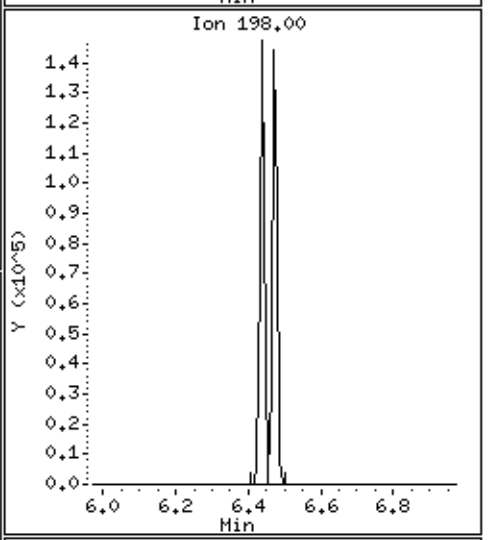
58 2,4,5-Trichlorophenol

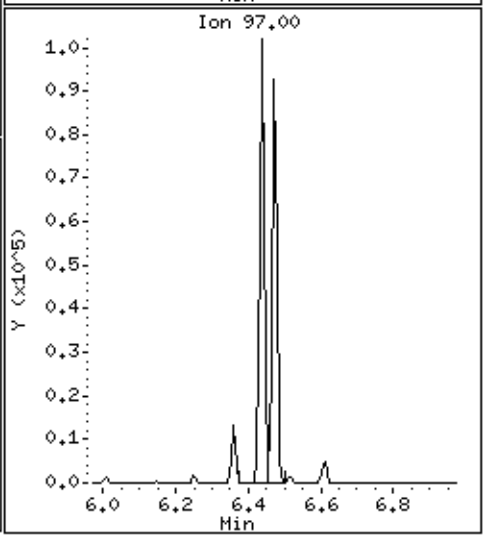
Concentration: 58.8 ug/kg











Date : 14-NOV-2012 23:22

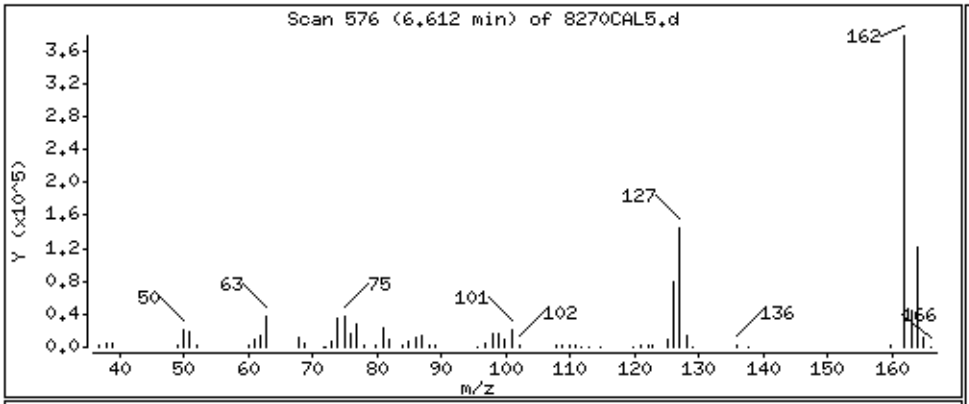
Client ID: 8270CAL5 Instrument: smsd04.i

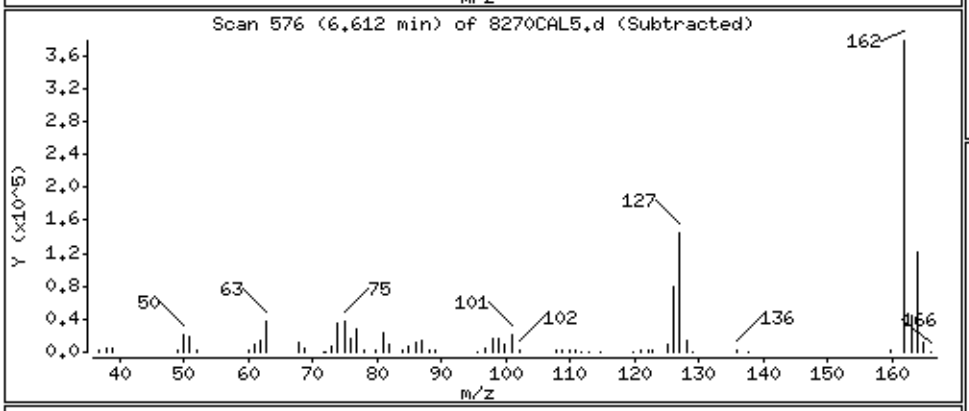
Sample Info: 47765

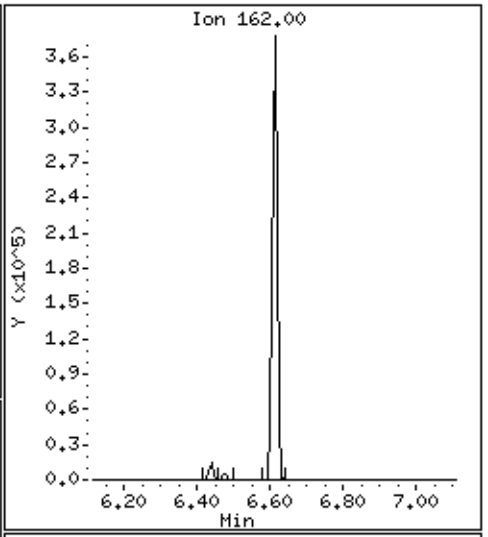
Operator: MJ

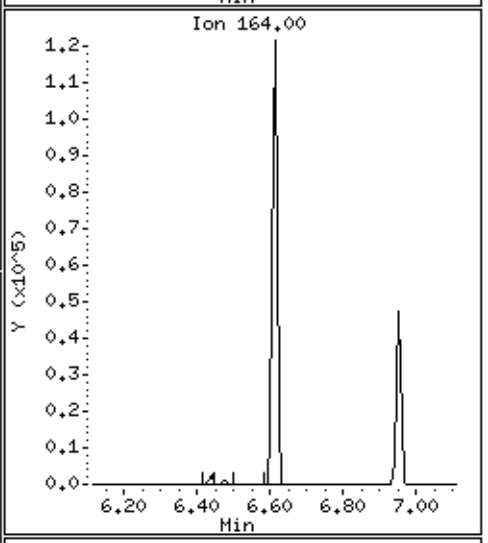
Column phase: HPMS-5 Column diameter: 0.25

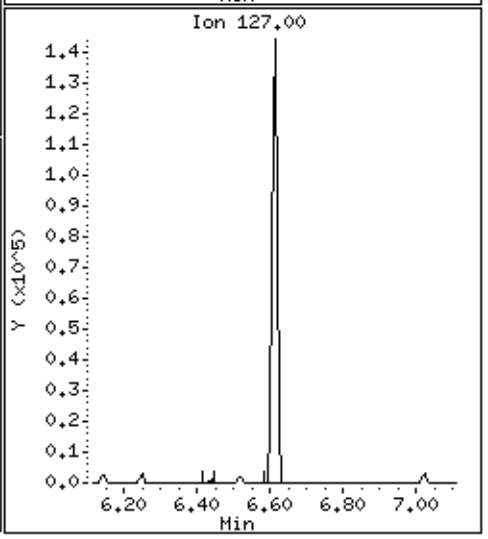
62 2-Chloronaphthalene Concentration: 59.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

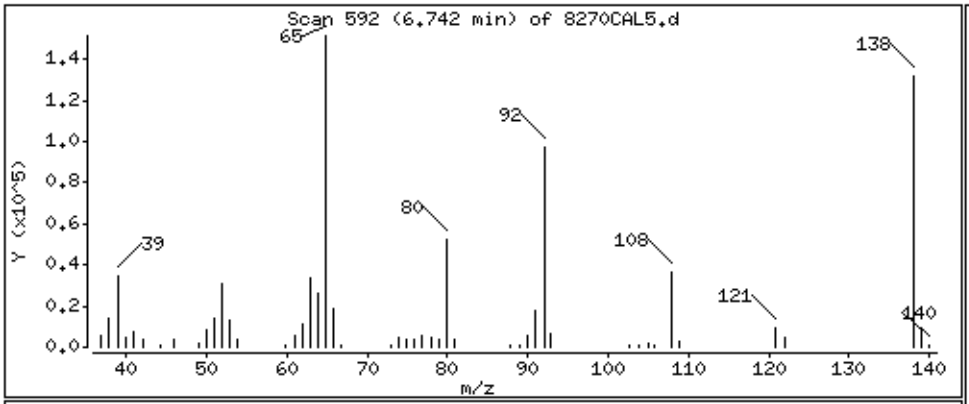
Operator: MJ

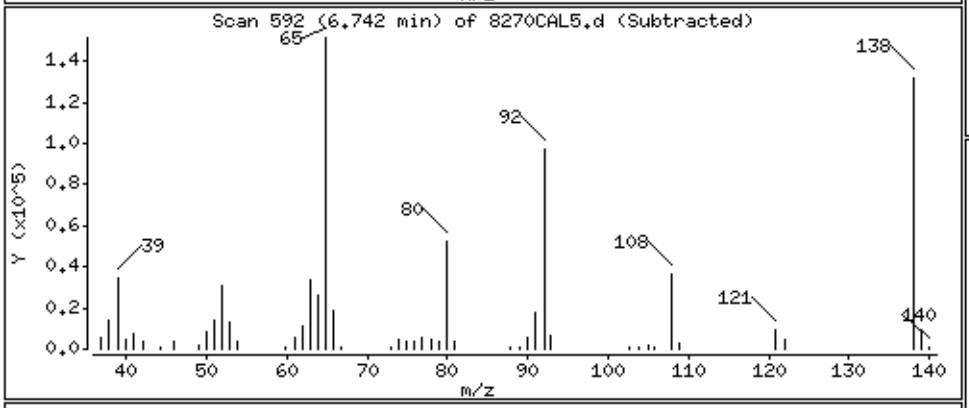
Column phase: HPMS-5

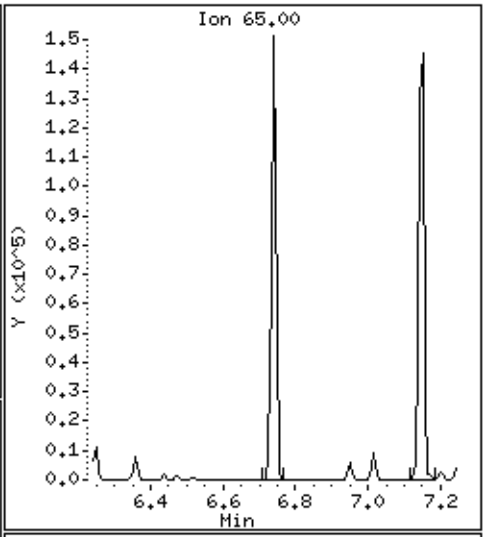
Column diameter: 0.25

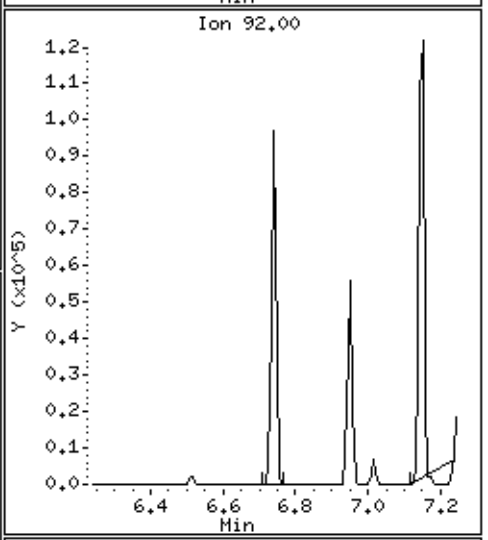
63 2-Nitroaniline

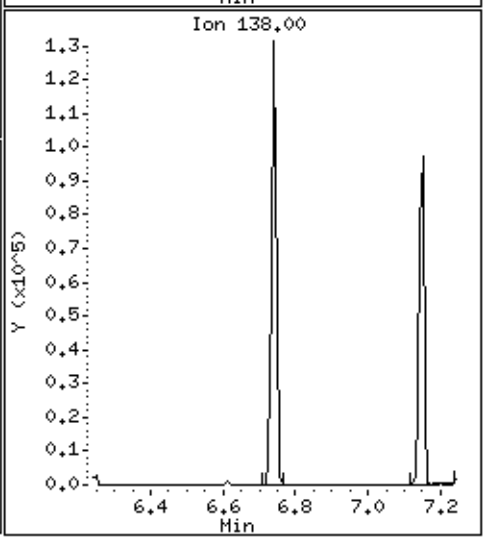
Concentration: 61.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

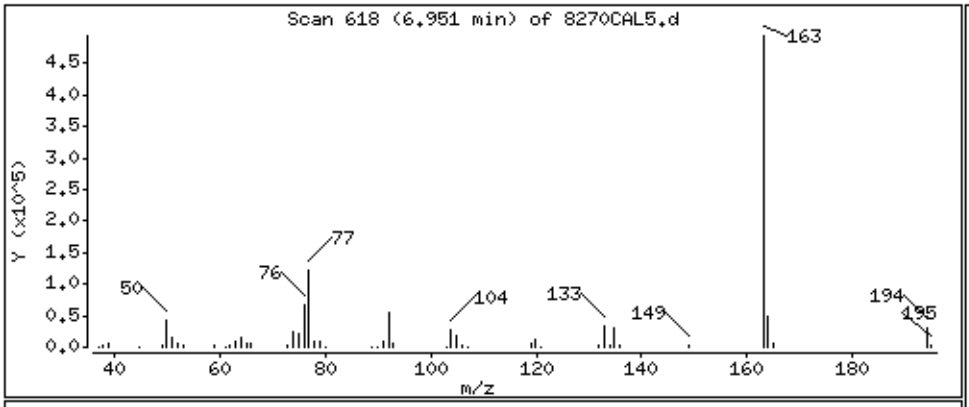
Operator: MJ

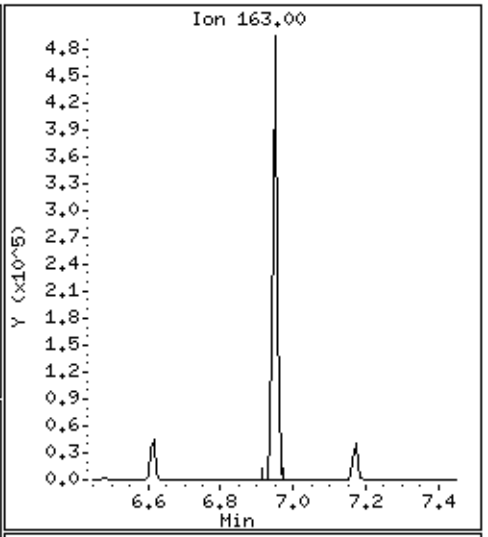
Column phase: HPMS-5

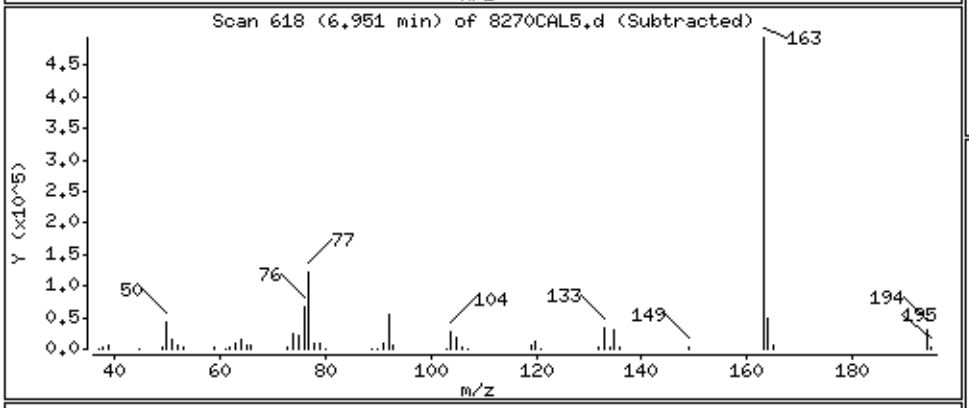
Column diameter: 0.25

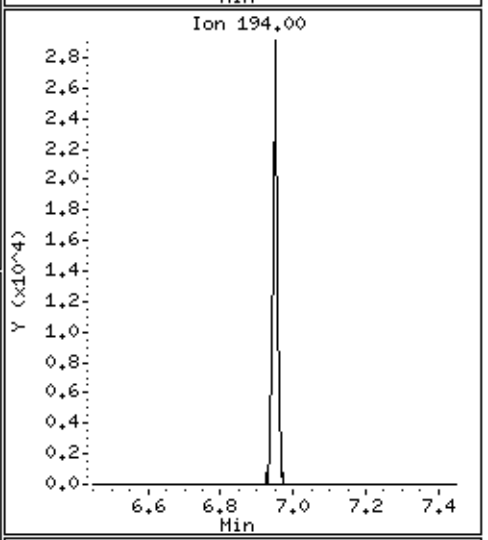
65 Dimethylphthalate

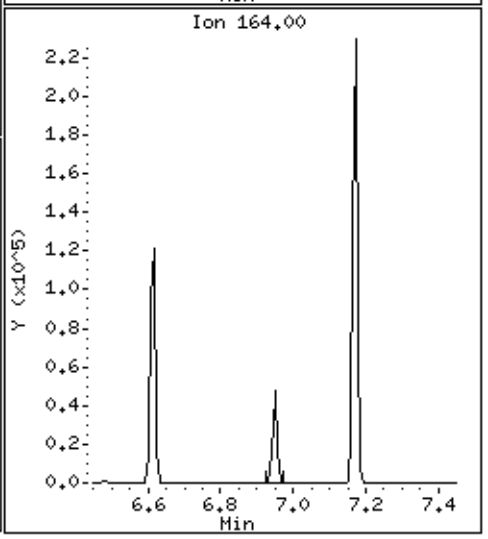
Concentration: 61.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

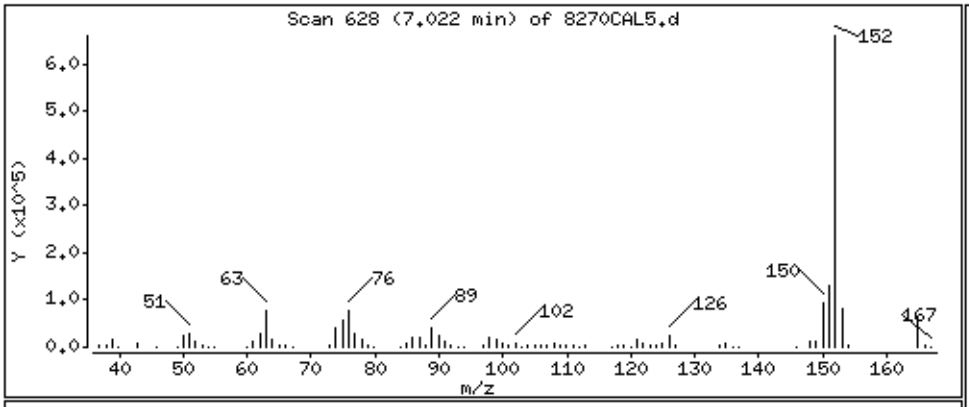
Operator: MJ

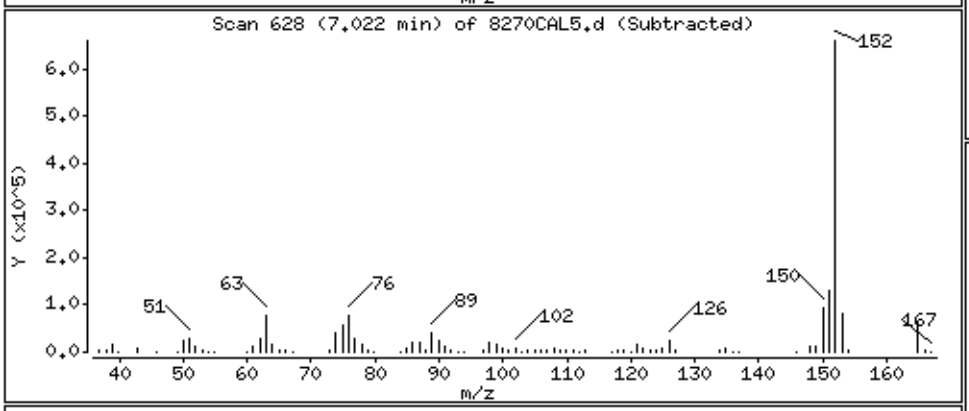
Column phase: HPMS-5

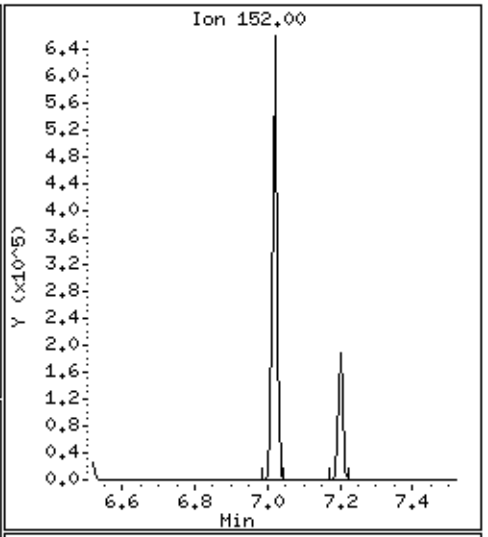
Column diameter: 0.25

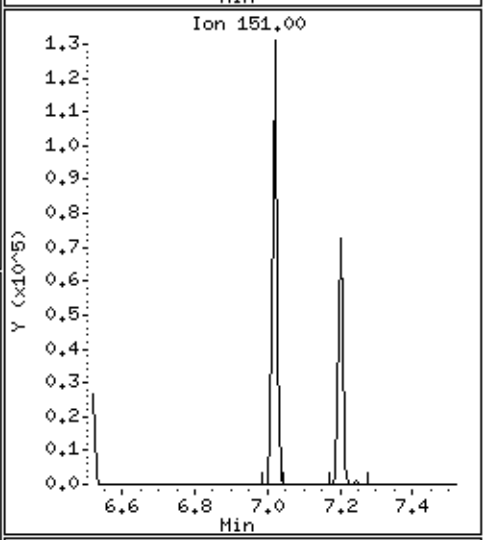
68 Acenaphthylene

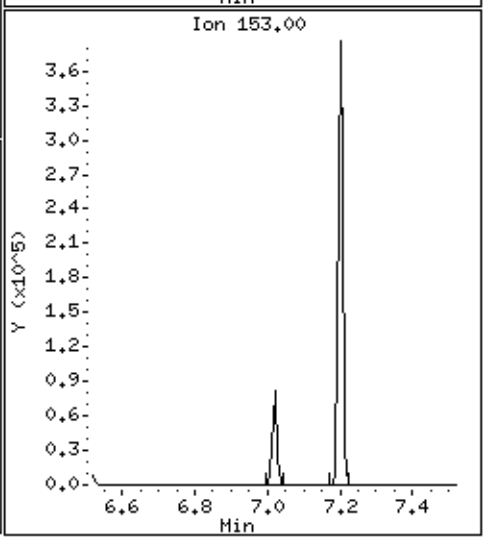
Concentration: 59.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

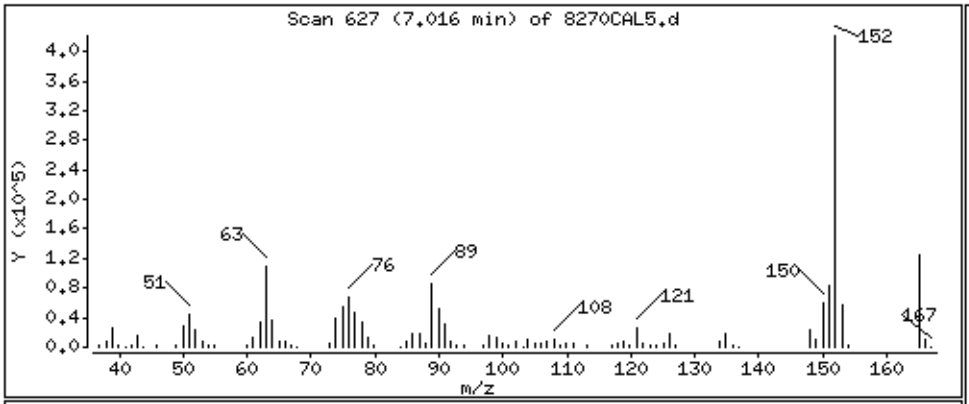
Operator: MJ

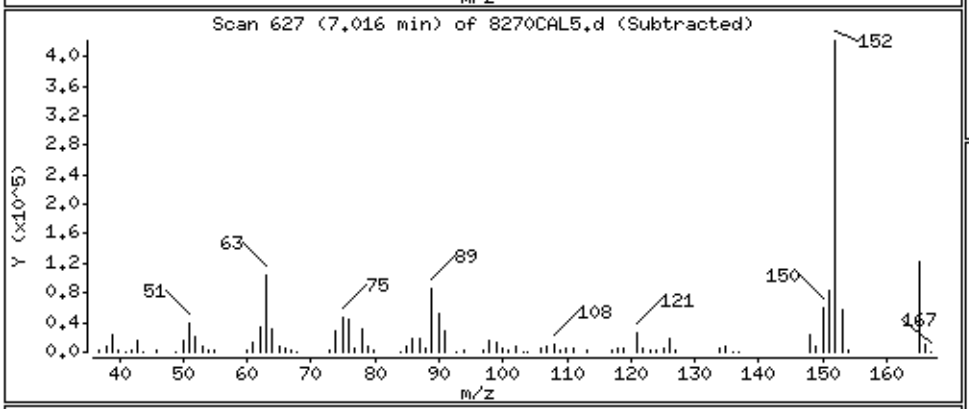
Column phase: HPMS-5

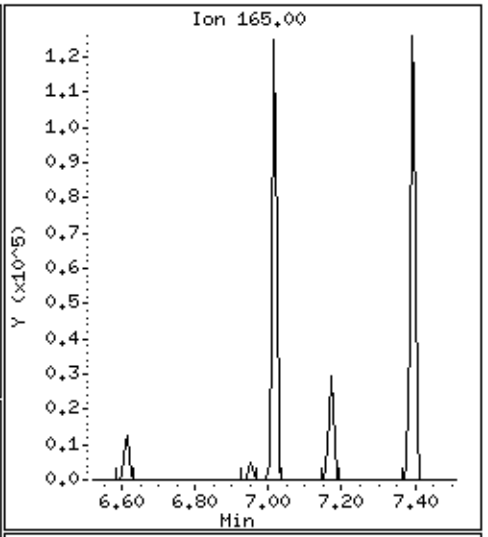
Column diameter: 0.25

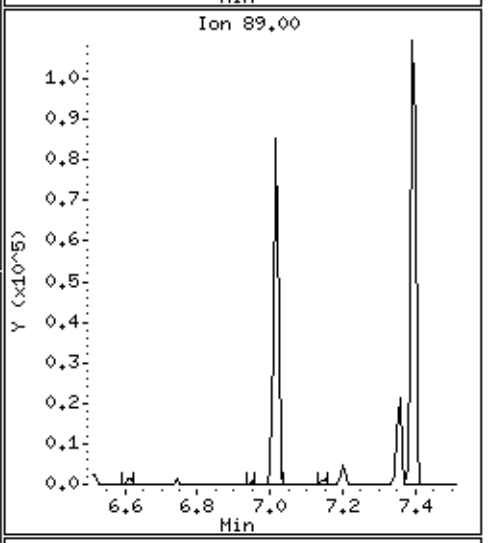
67 2,6-Dinitrotoluene

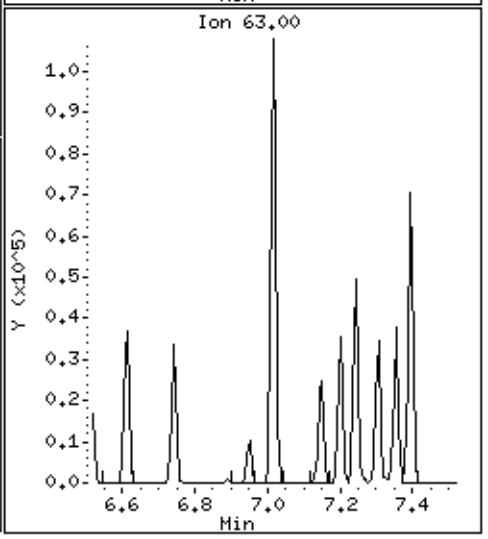
Concentration: 61.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

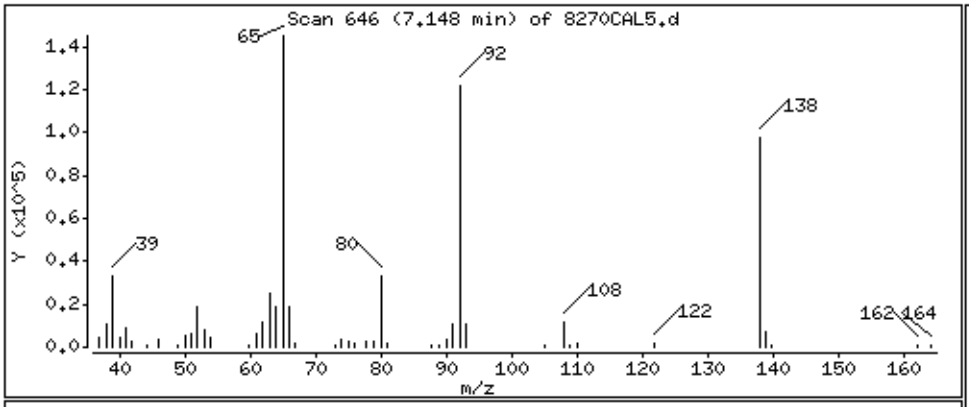
Operator: MJ

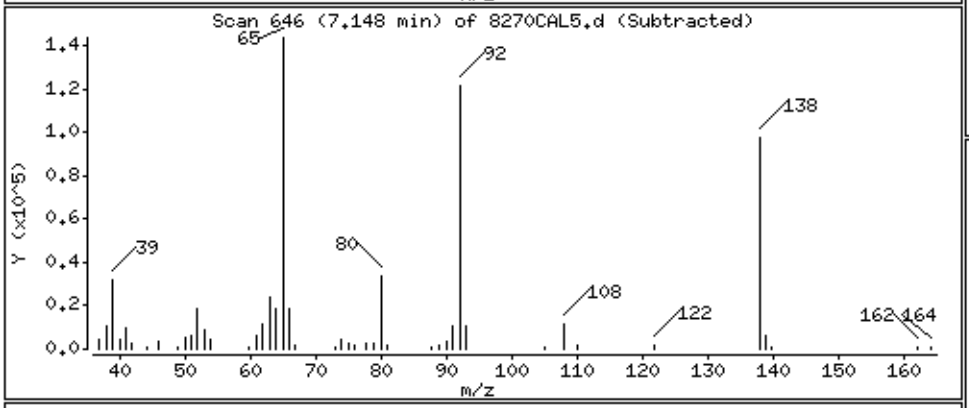
Column phase: HPMS-5

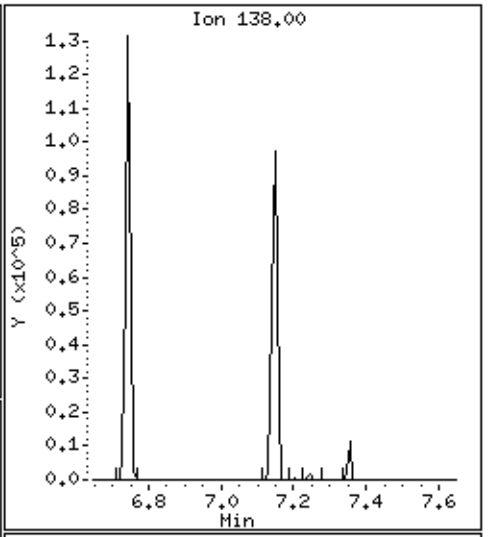
Column diameter: 0.25

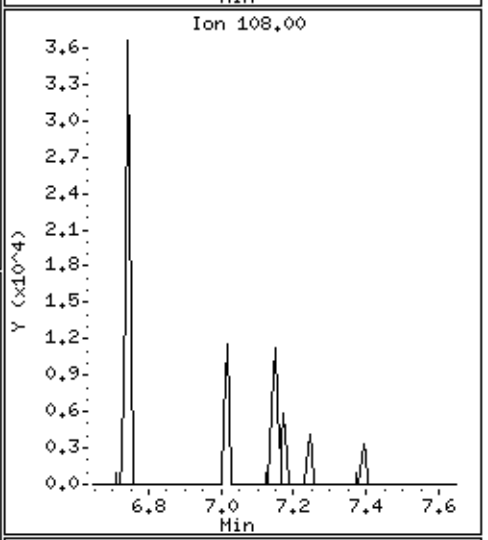
69 3-Nitroaniline

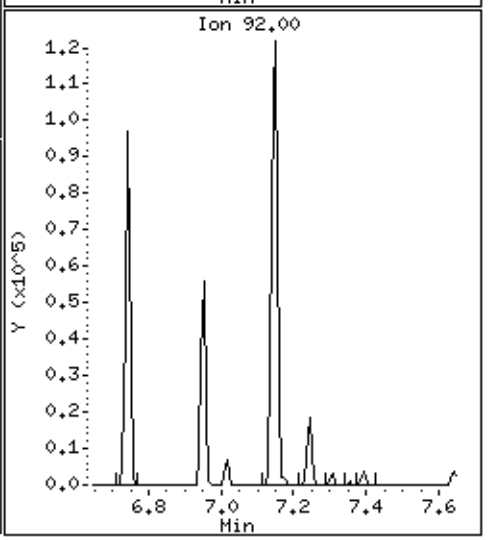
Concentration: 60.9 ug/kg











Date : 14-NOV-2012 23:22

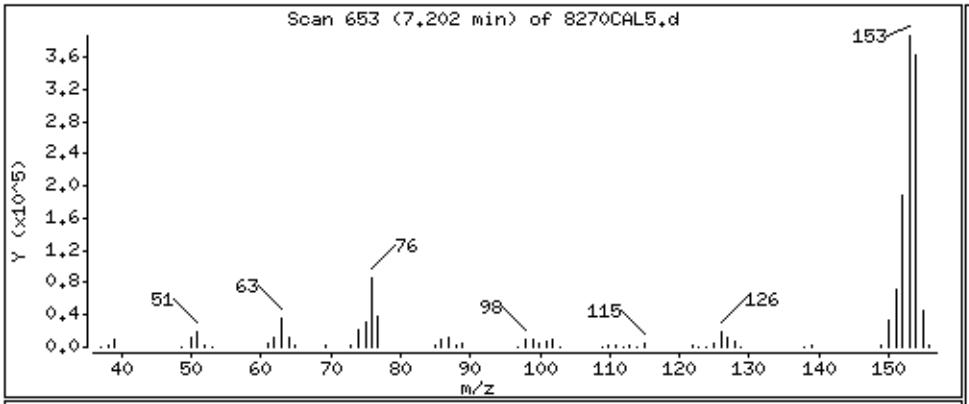
Client ID: 8270CAL5 Instrument: smsd04.i

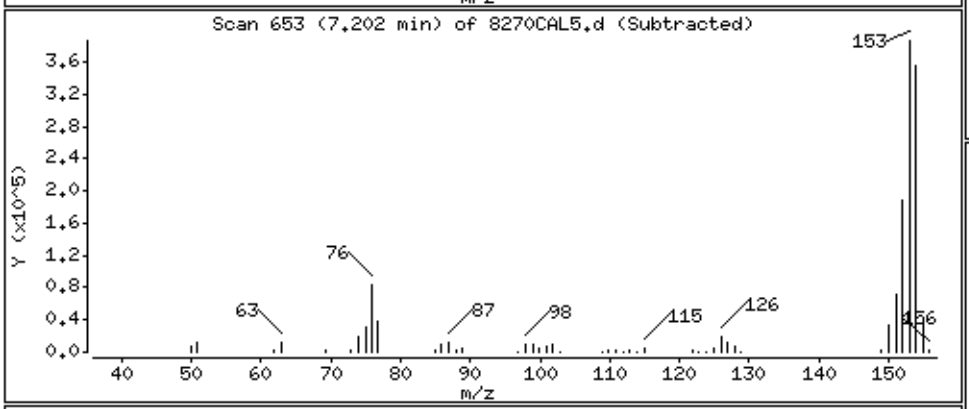
Sample Info: 47765

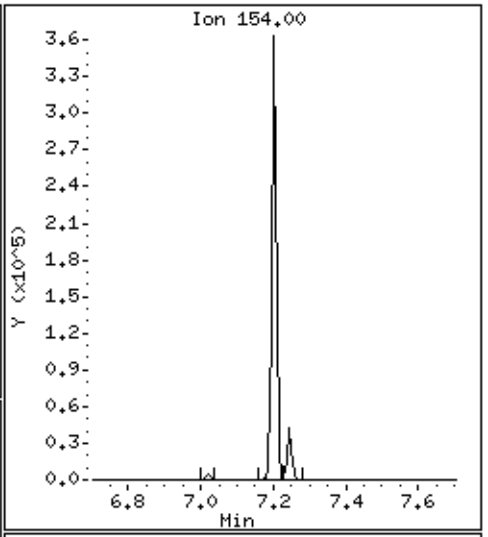
Operator: MJ

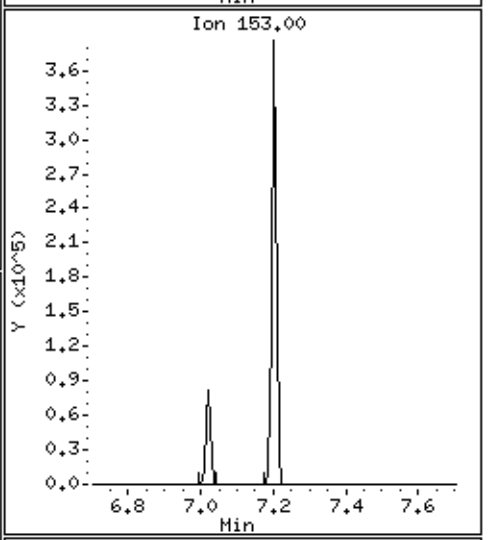
Column phase: HPMS-5 Column diameter: 0.25

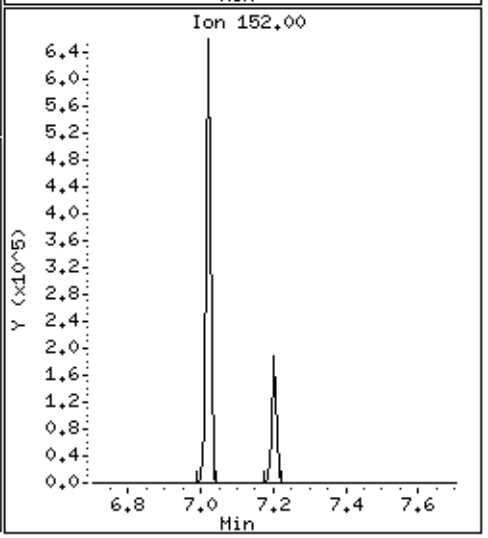
71 Acenaphthene Concentration: 59.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

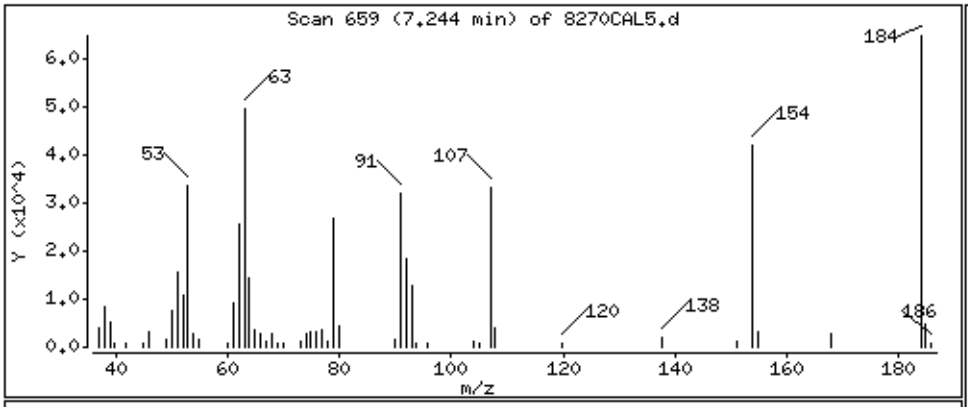
Operator: MJ

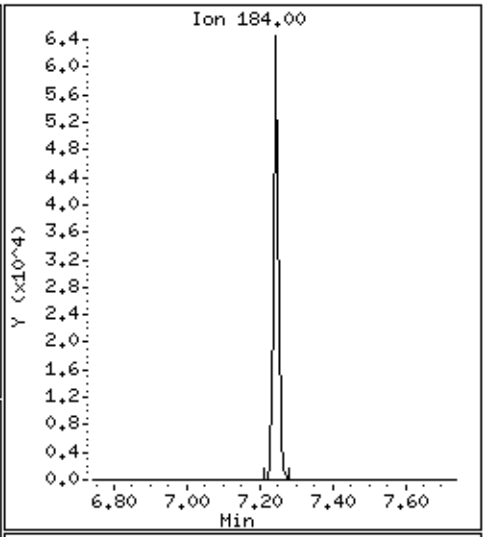
Column phase: HPMS-5

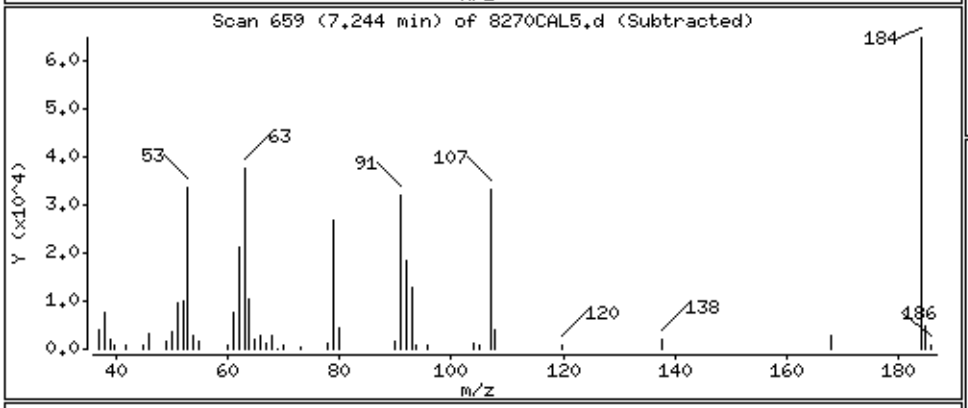
Column diameter: 0.25

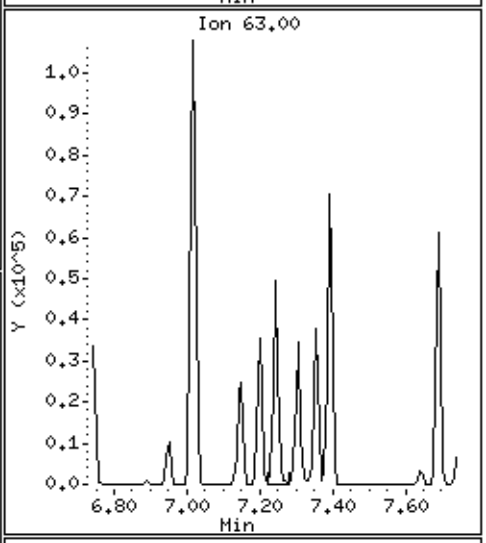
72 2,4-Dinitrophenol

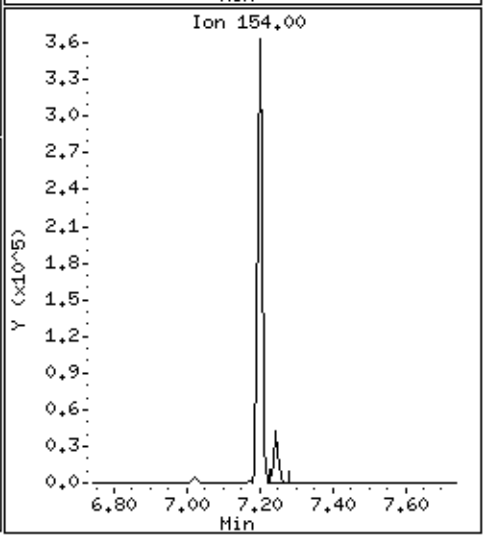
Concentration: 63.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

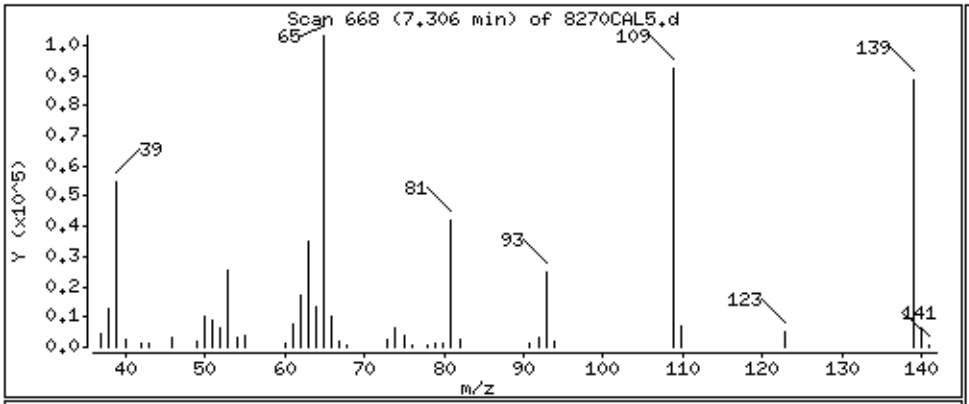
Operator: MJ

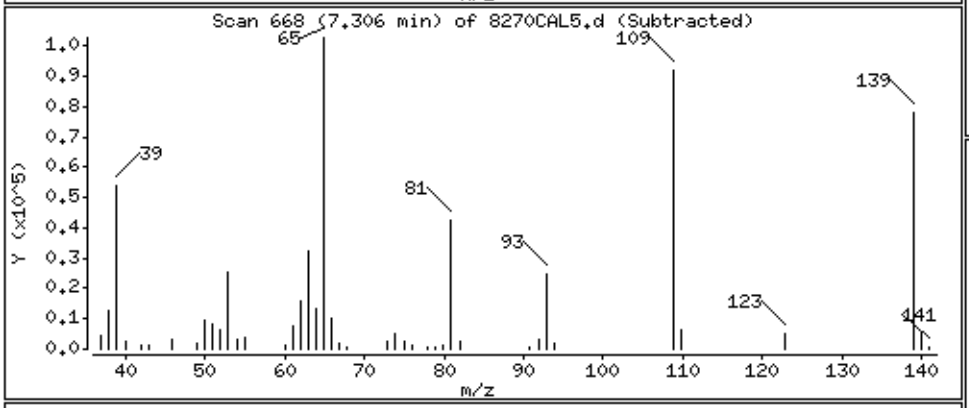
Column phase: HPMS-5

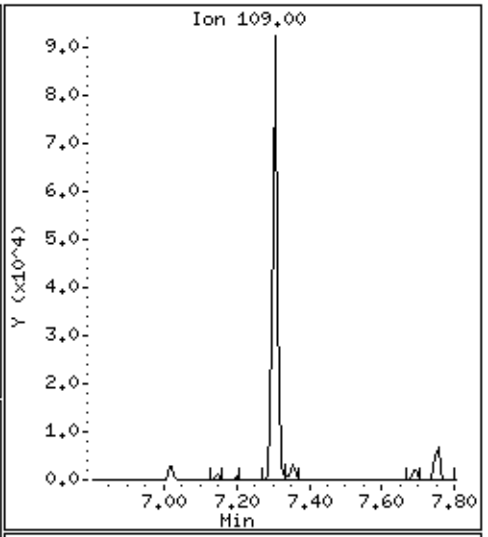
Column diameter: 0.25

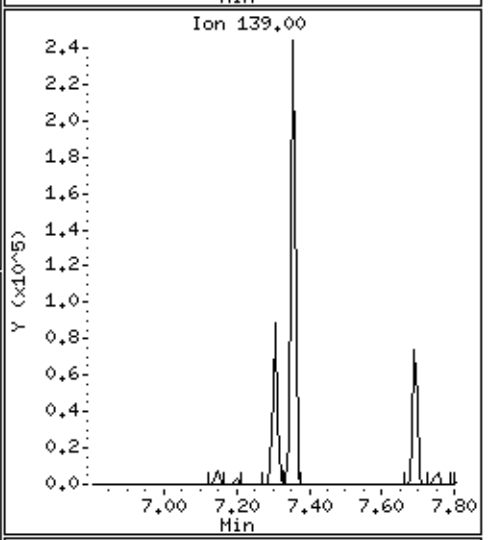
74 4-Nitrophenol

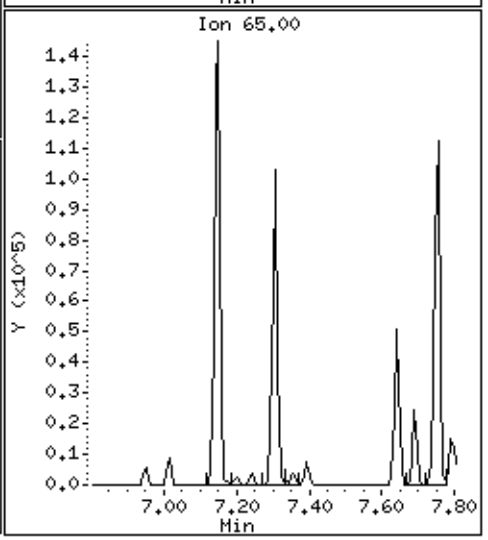
Concentration: 60.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

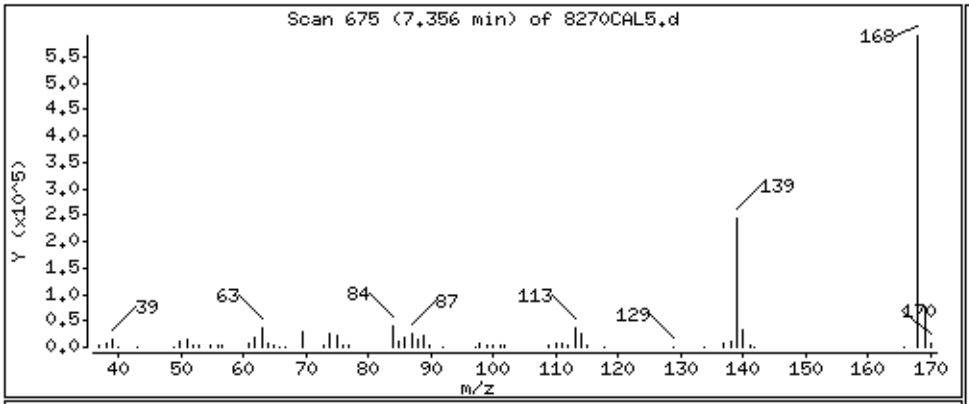
Operator: MJ

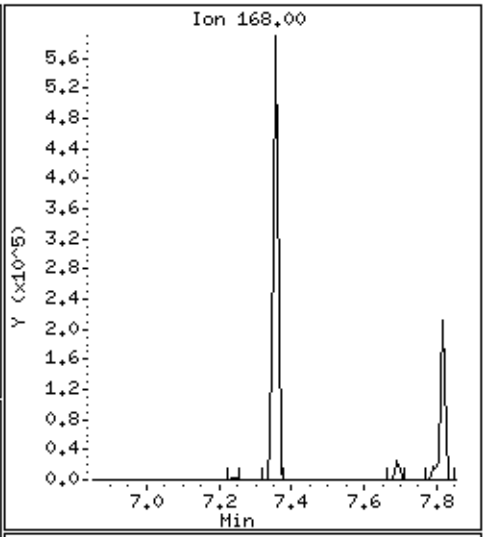
Column phase: HPMS-5

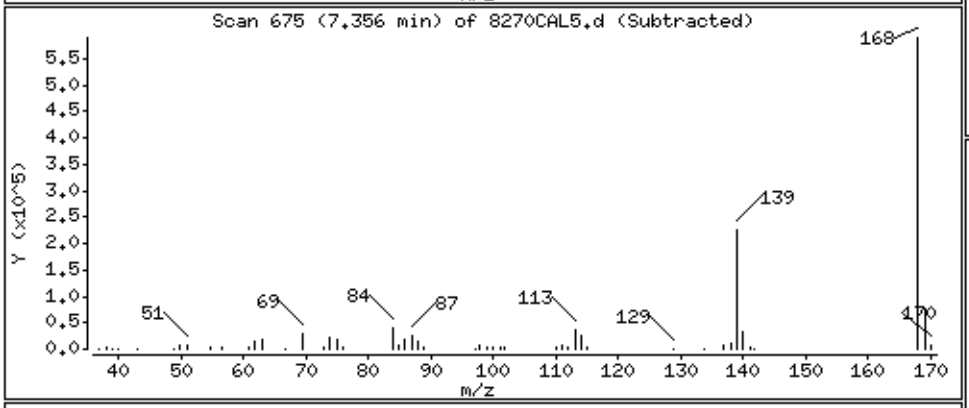
Column diameter: 0.25

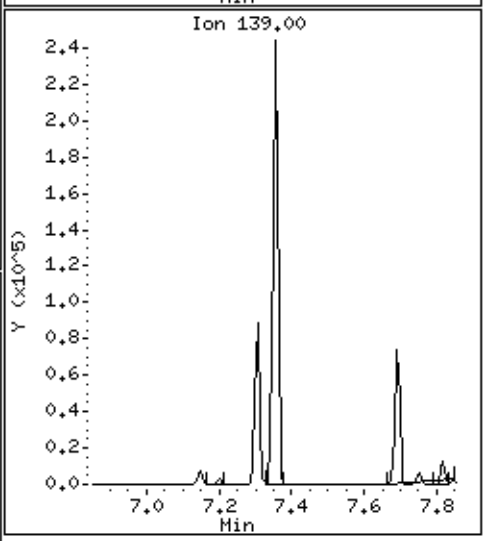
75 Dibenzofuran

Concentration: 59.8 ug/kg









Date : 14-NOV-2012 23:22

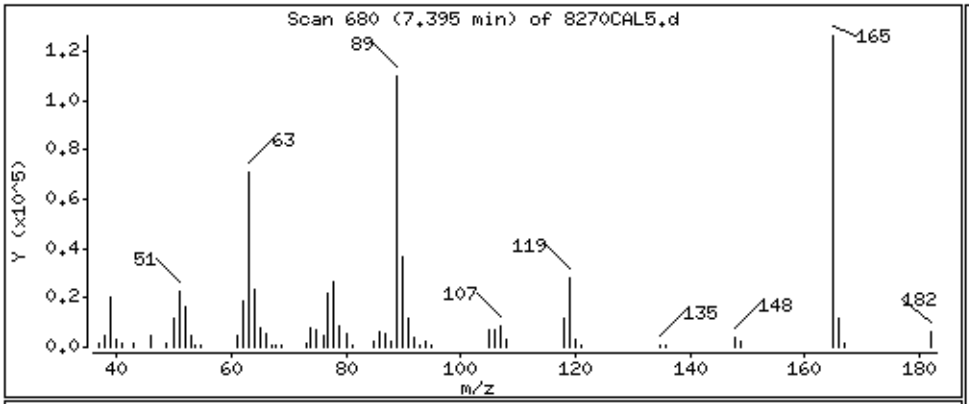
Client ID: 8270CAL5 Instrument: smsd04.i

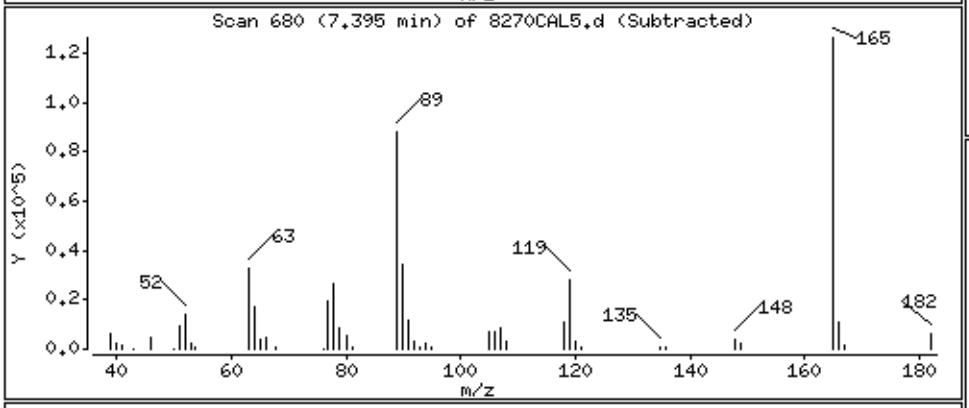
Sample Info: 47765

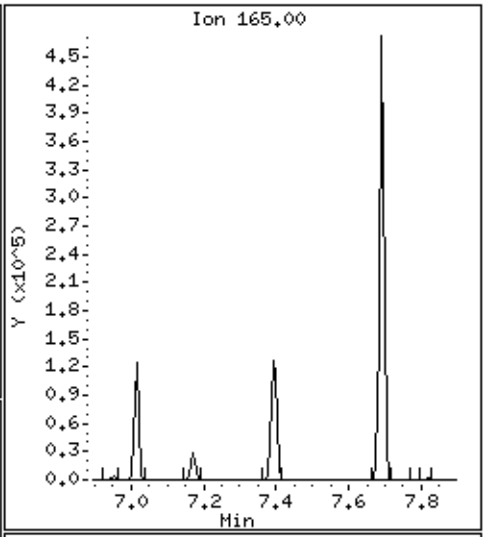
Operator: MJ

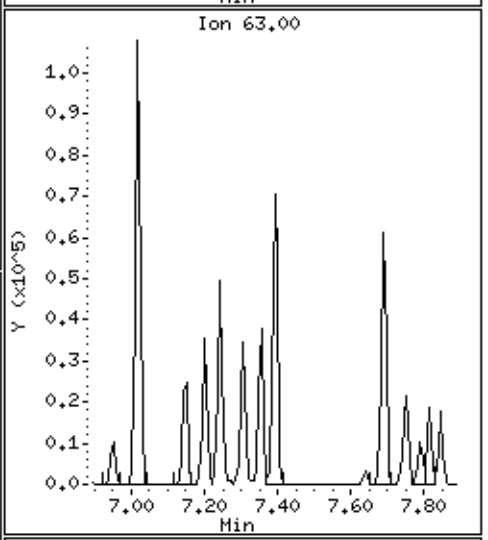
Column phase: HPMS-5 Column diameter: 0.25

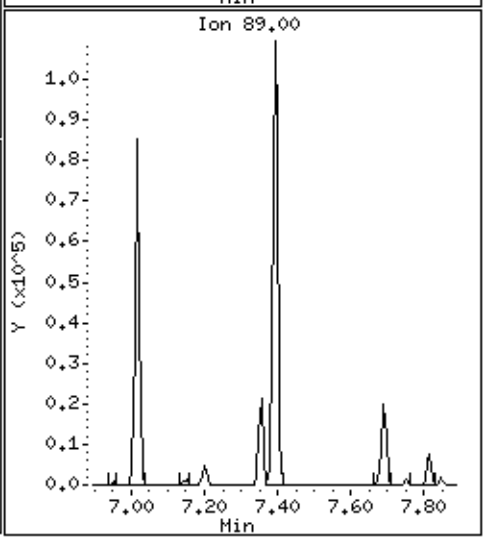
76 2,4-Dinitrotoluene Concentration: 60.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

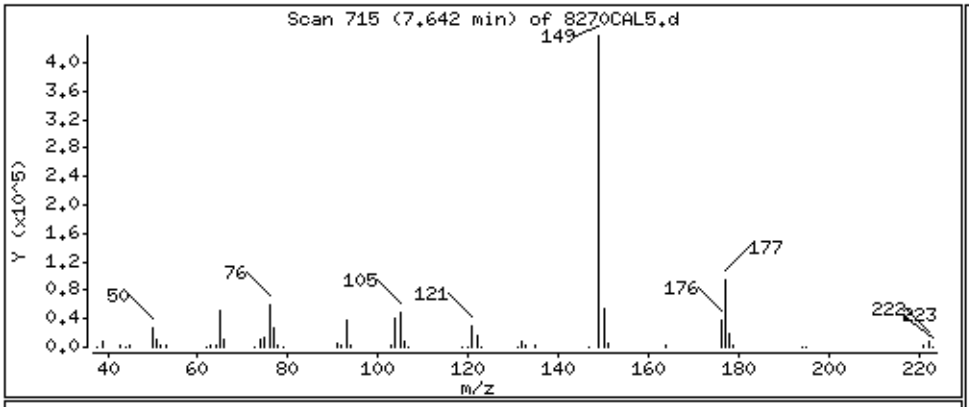
Operator: MJ

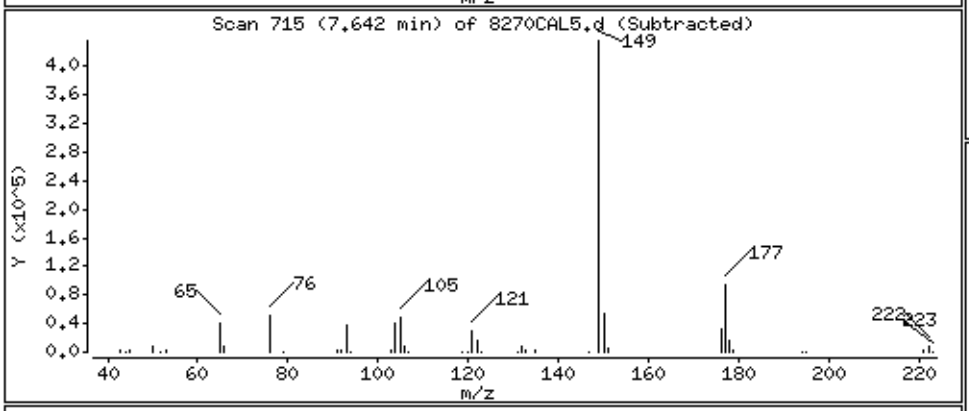
Column phase: HPMS-5

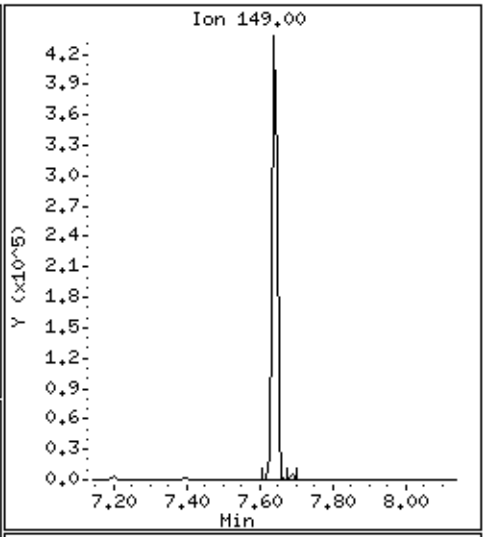
Column diameter: 0.25

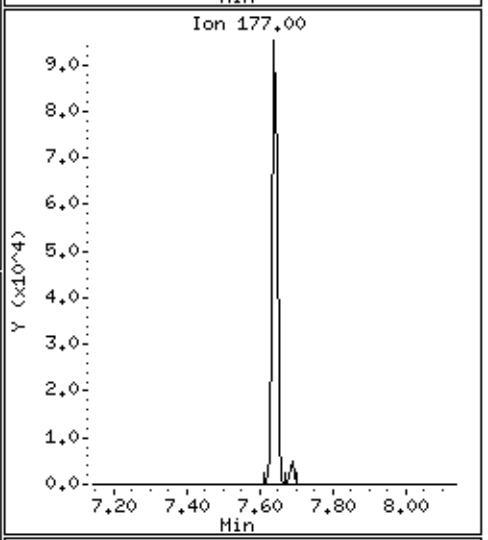
80 Diethylphthalate

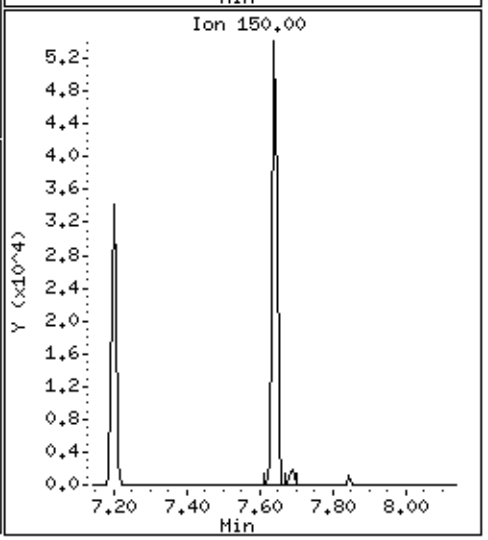
Concentration: 60.0 ug/kg











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Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

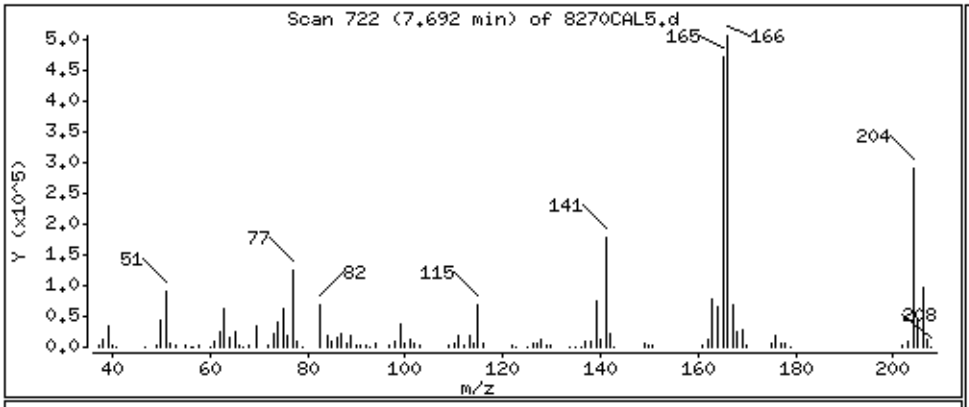
Operator: MJ

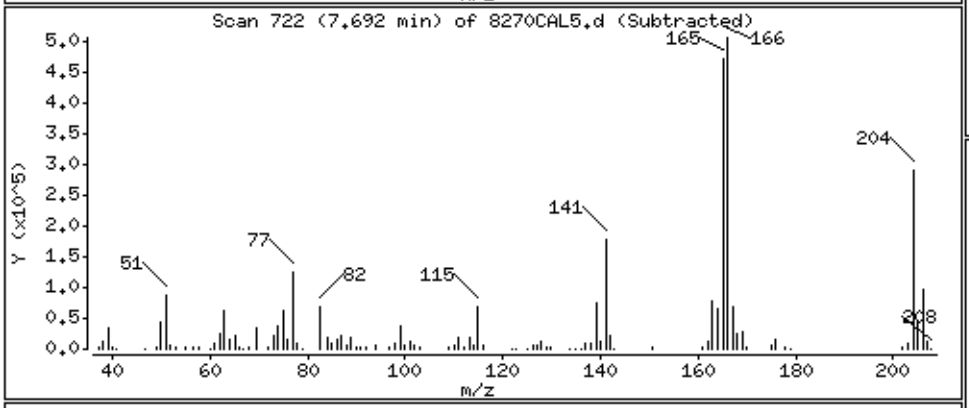
Column phase: HPMS-5

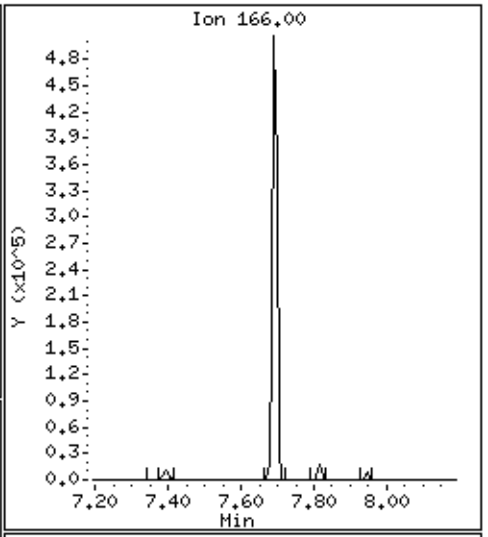
Column diameter: 0.25

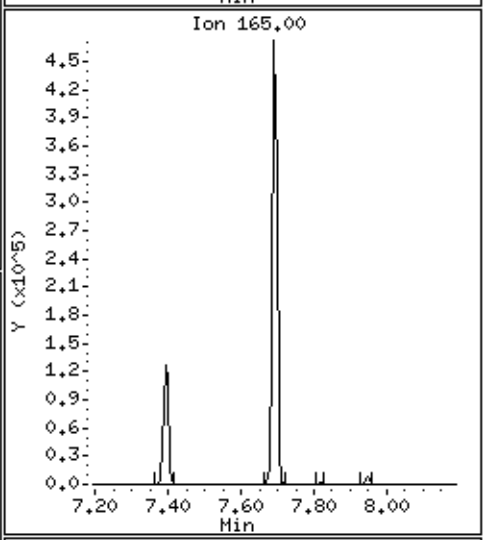
81 Fluorene

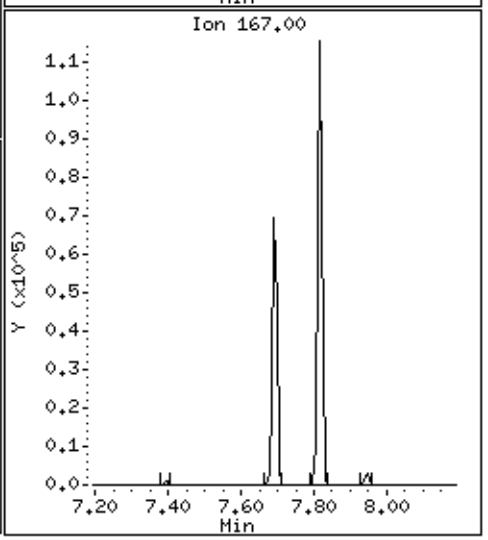
Concentration: 59.1 ug/kg











Date : 14-NOV-2012 23:22

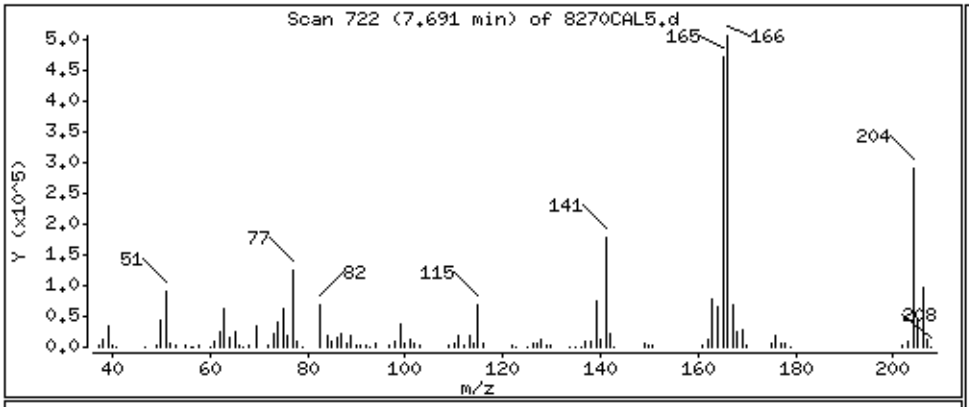
Client ID: 8270CAL5 Instrument: smsd04.i

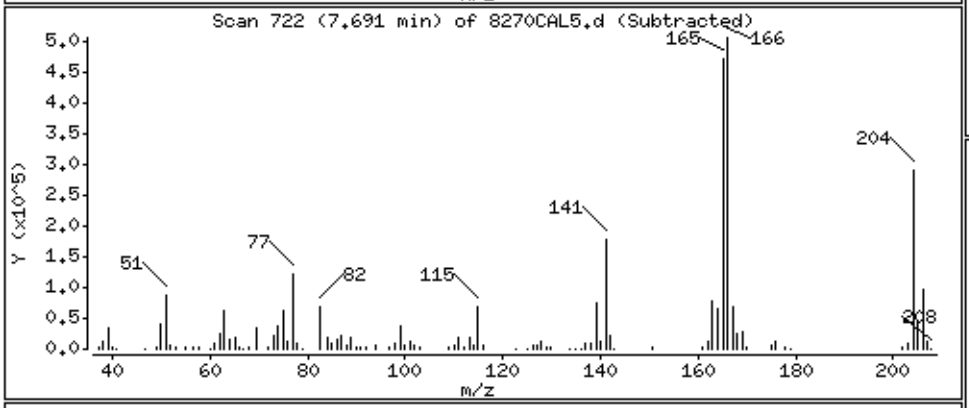
Sample Info: 47765

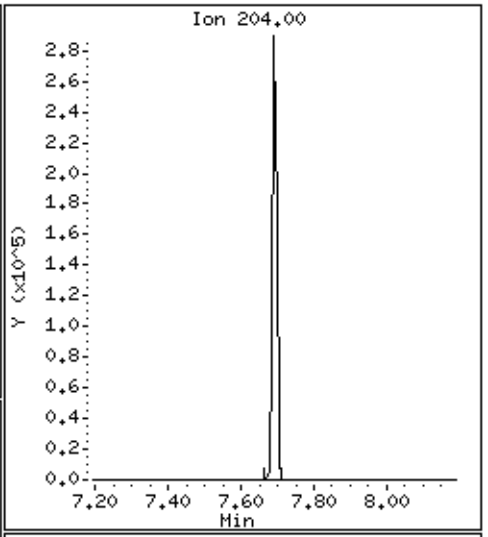
Operator: MJ

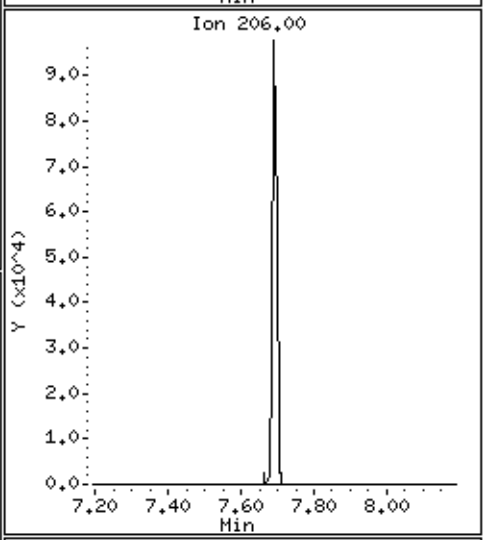
Column phase: HPMS-5 Column diameter: 0.25

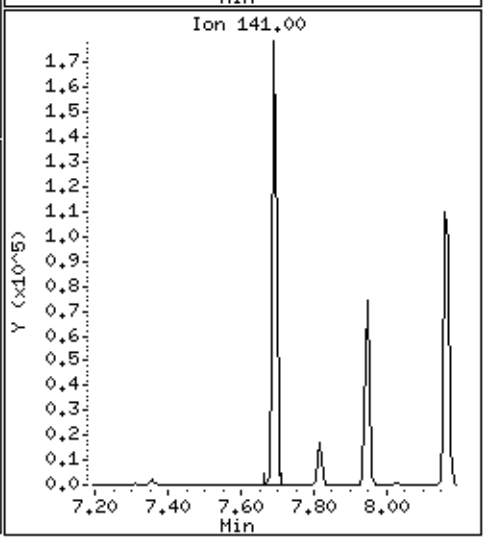
82 4-Chlorophenyl-phenylether Concentration: 58.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

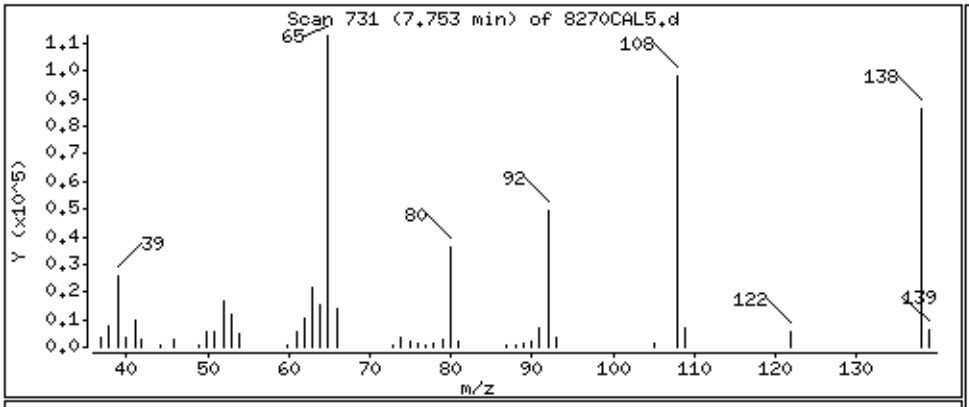
Operator: MJ

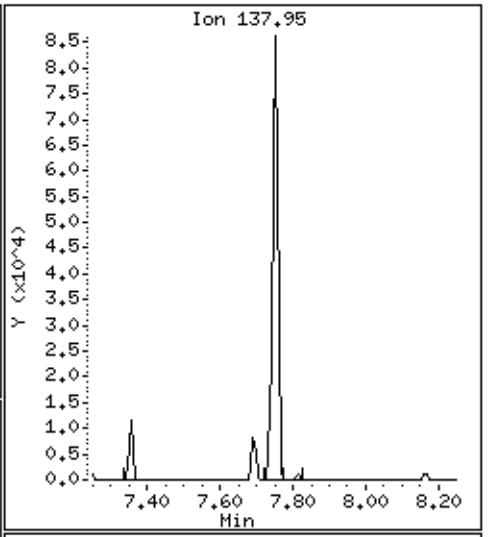
Column phase: HPMS-5

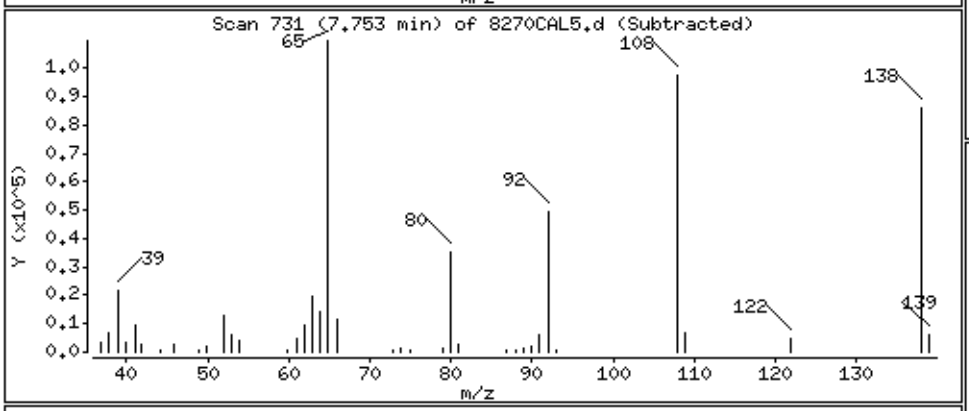
Column diameter: 0.25

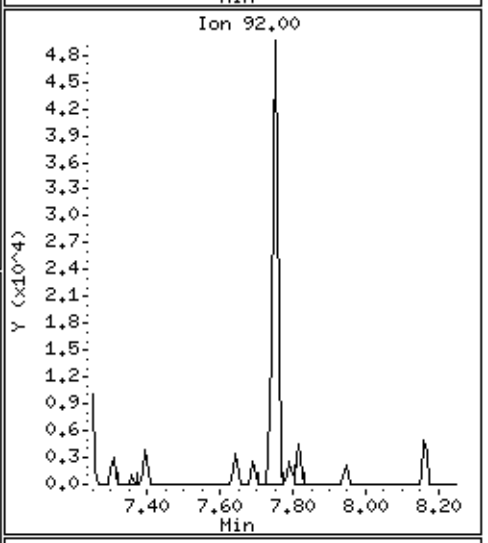
84 4-Nitroaniline

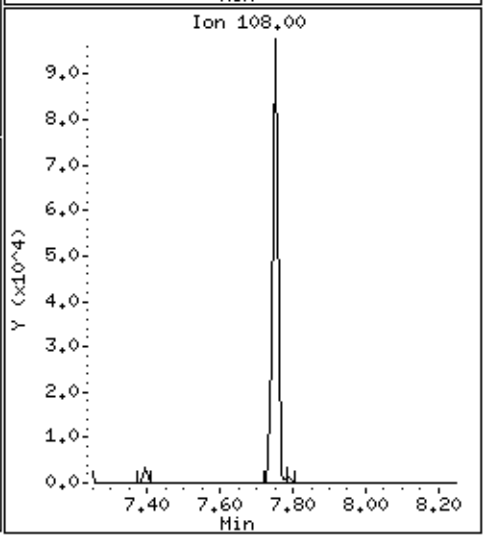
Concentration: 61.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

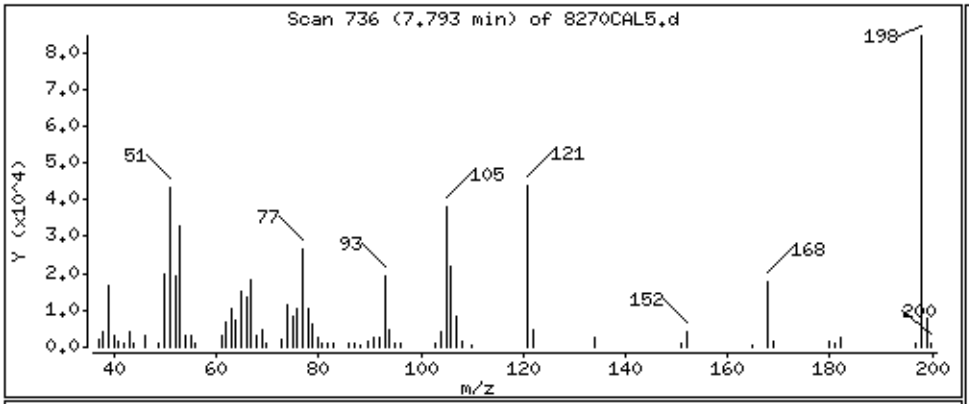
Operator: MJ

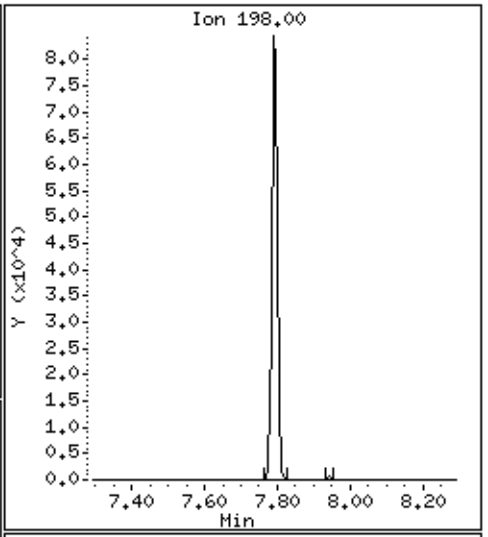
Column phase: HPMS-5

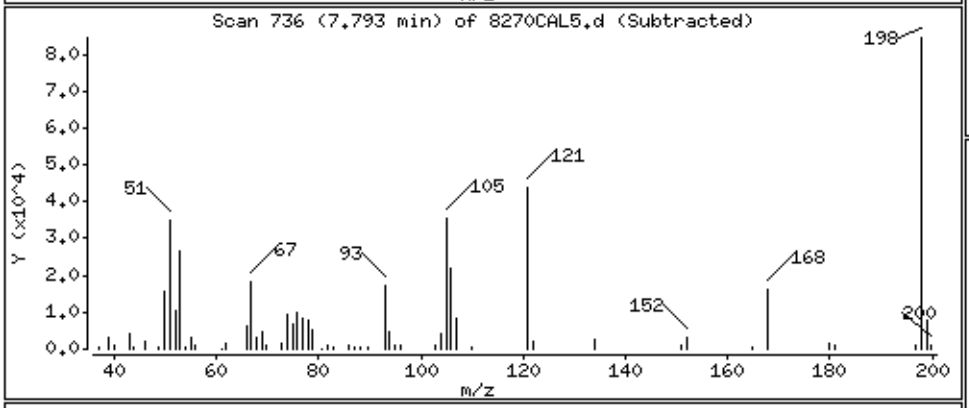
Column diameter: 0.25

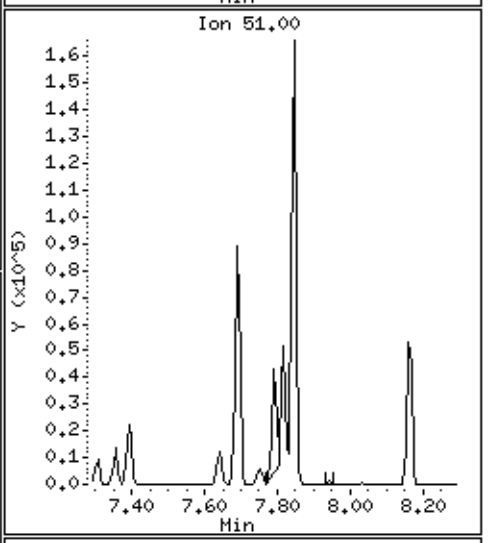
85 4,6-Dinitro-2-methylphenol

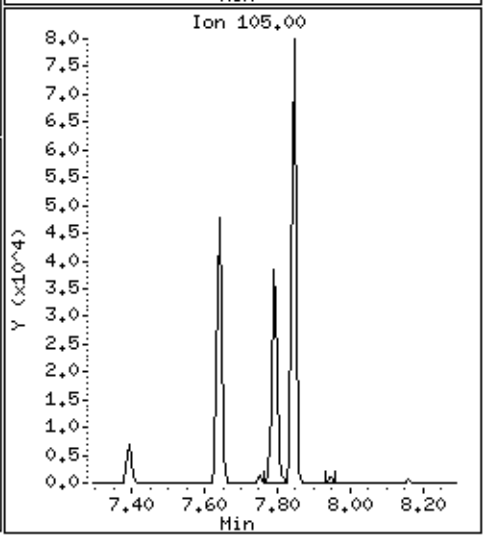
Concentration: 58.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

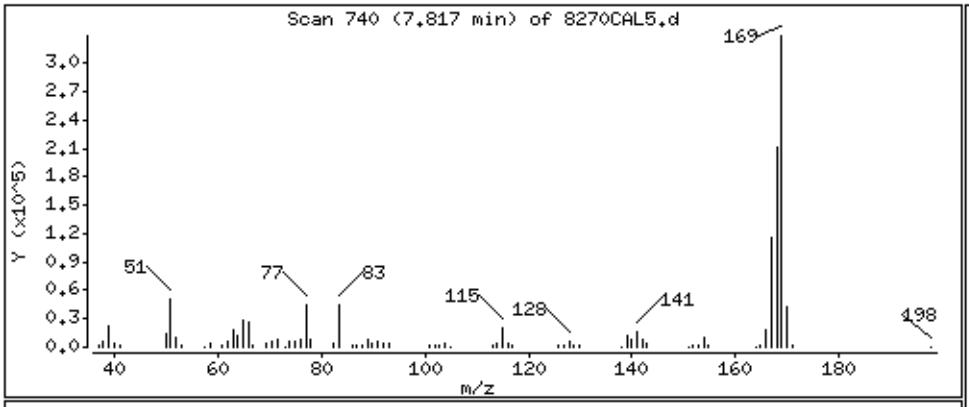
Operator: MJ

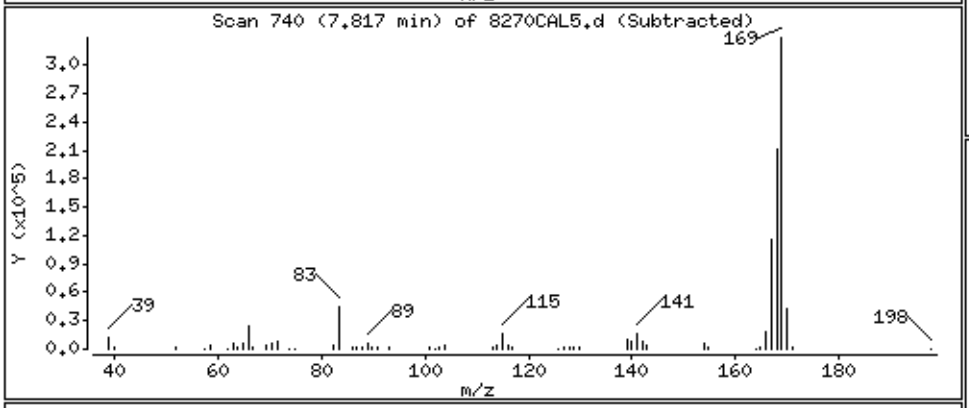
Column phase: HPMS-5

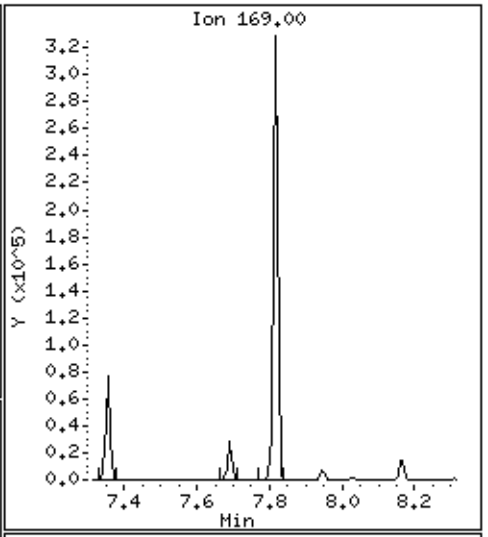
Column diameter: 0.25

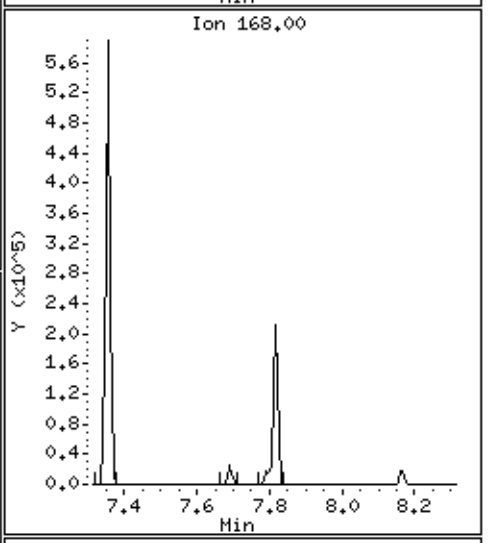
86 N-Nitrosodiphenylamine

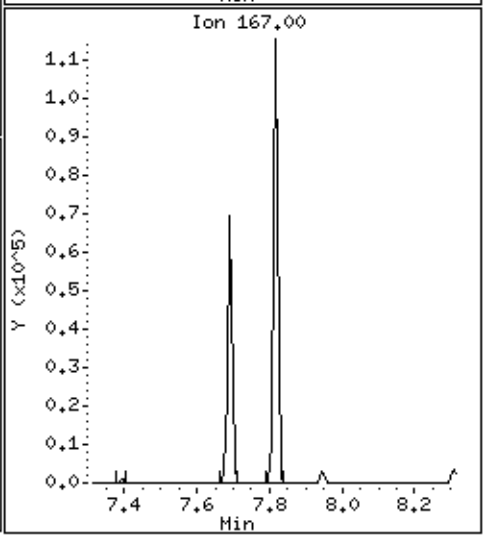
Concentration: 59.0 ug/kg











Date : 14-NOV-2012 23:22

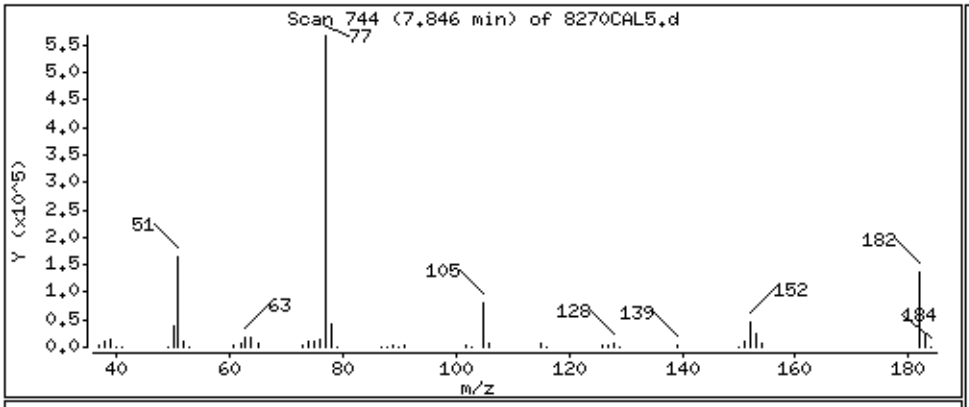
Client ID: 8270CAL5 Instrument: smsd04.i

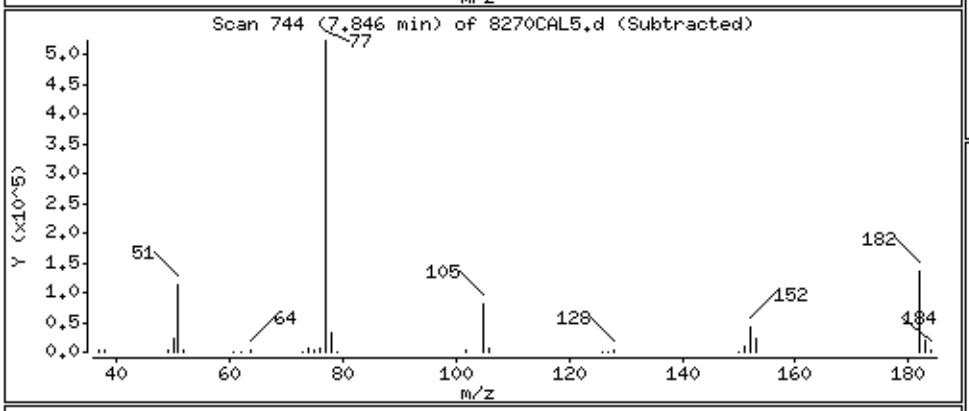
Sample Info: 47765

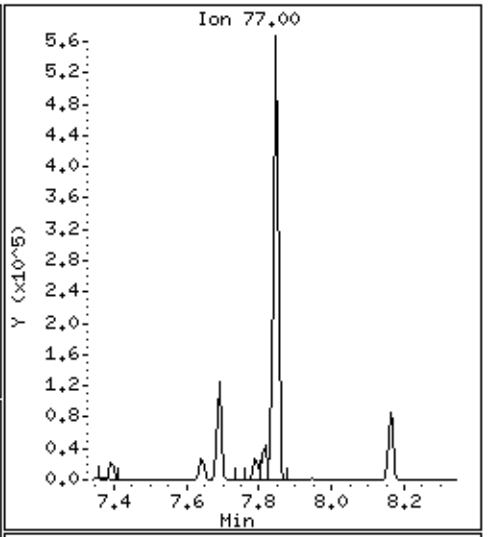
Operator: MJ

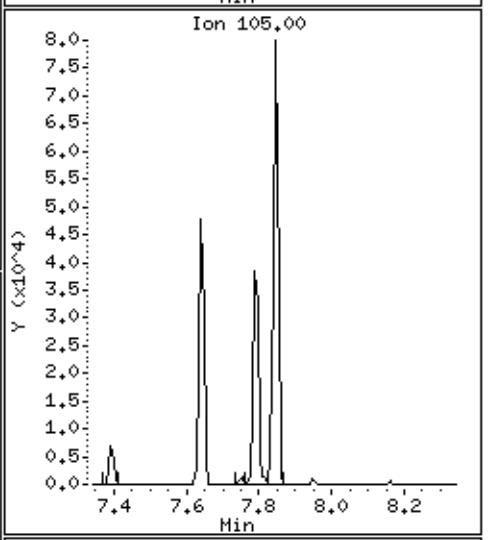
Column phase: HPMS-5 Column diameter: 0.25

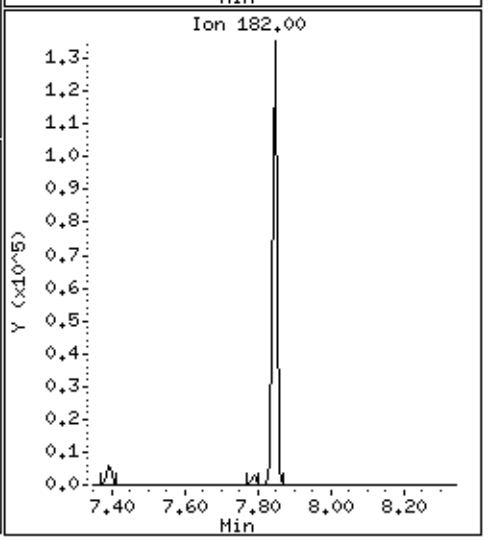
87 1,2-Diphenylhydrazine Concentration: 58.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

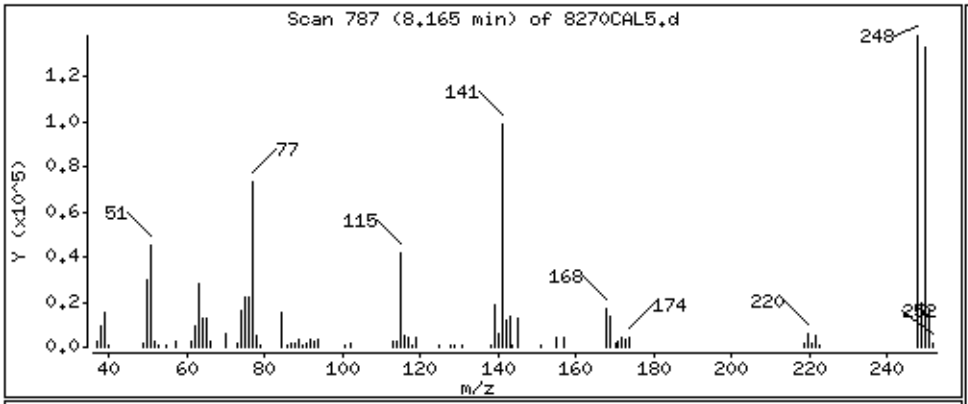
Operator: MJ

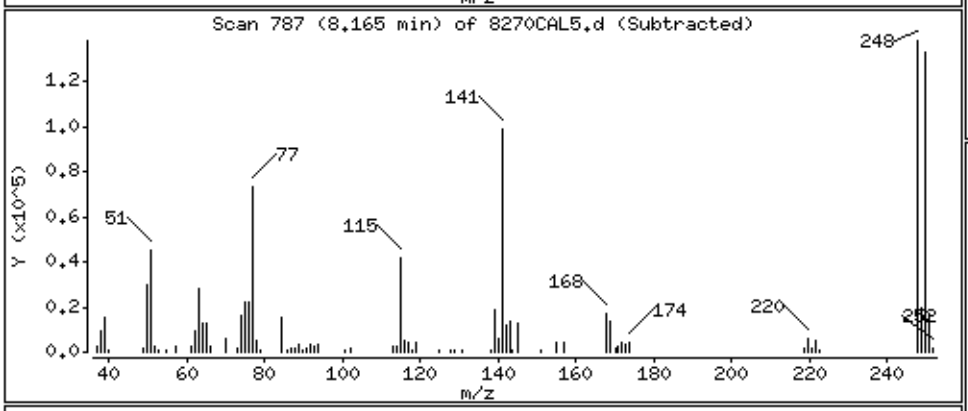
Column phase: HPMS-5

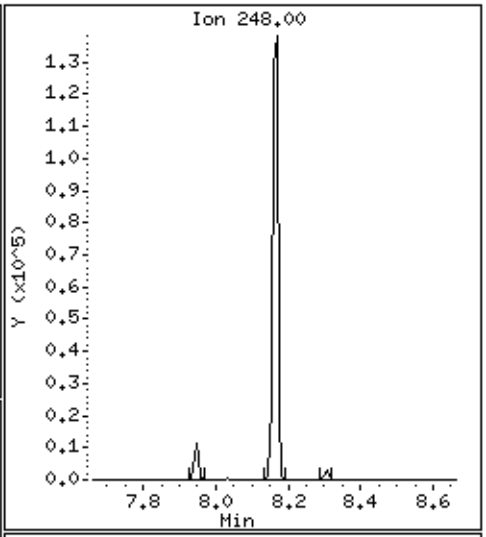
Column diameter: 0.25

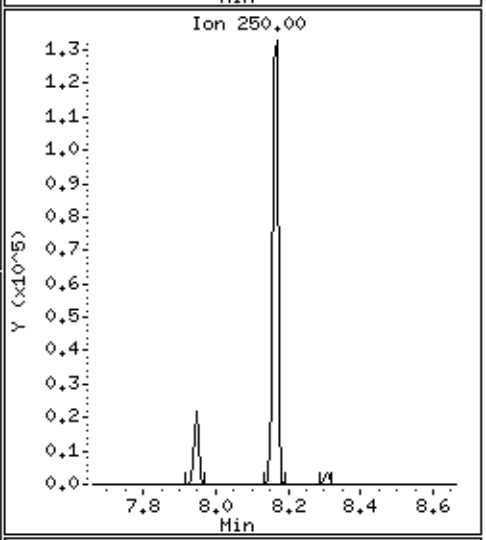
93 4-Bromophenylphenylether

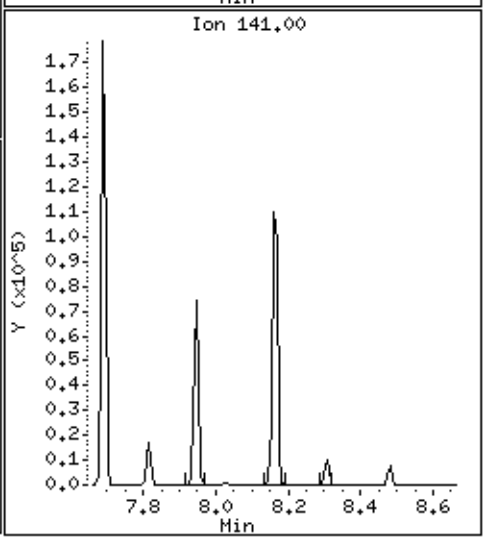
Concentration: 58.5 ug/kg











Date : 14-NOV-2012 23:22

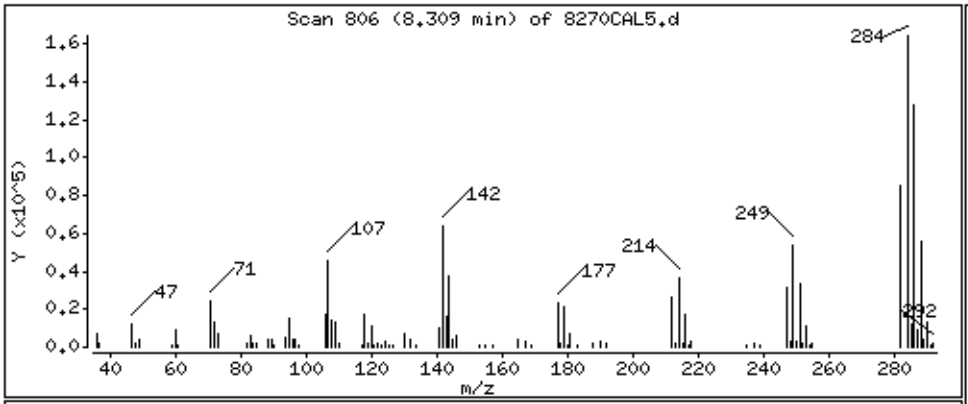
Client ID: 8270CAL5 Instrument: smsd04.i

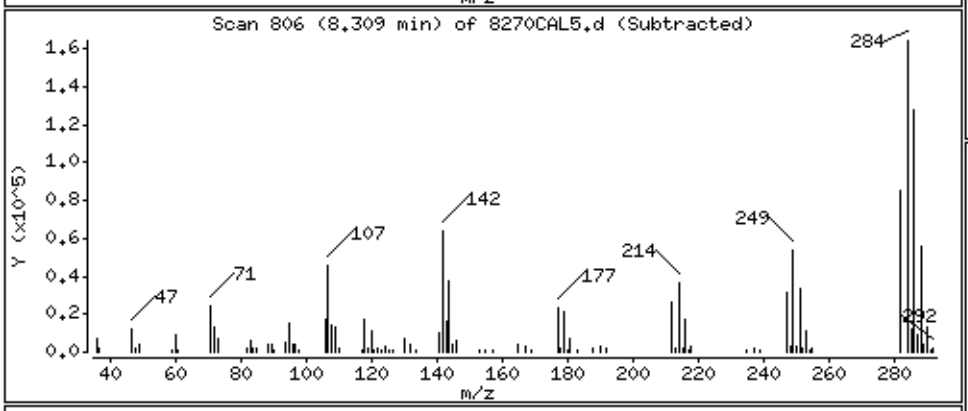
Sample Info: 47765

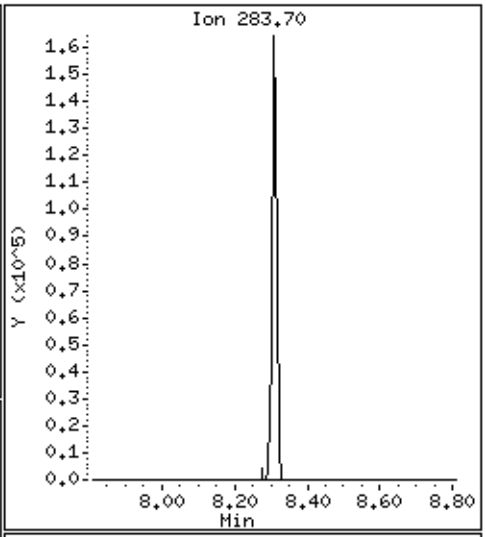
Operator: MJ

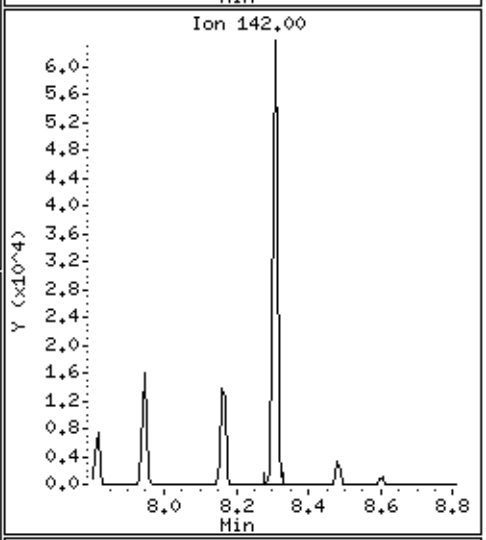
Column phase: HPMS-5 Column diameter: 0.25

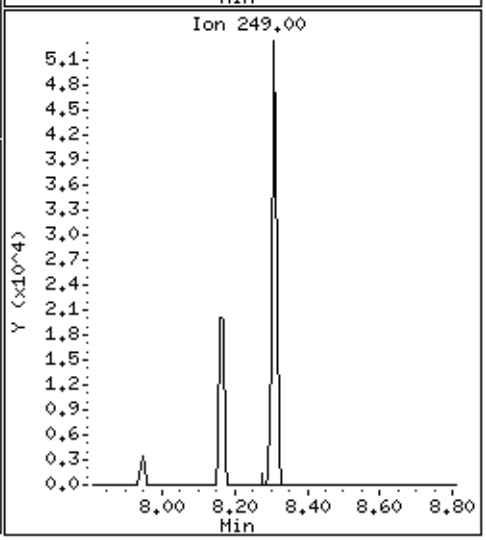
94 Hexachlorobenzene Concentration: 58.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

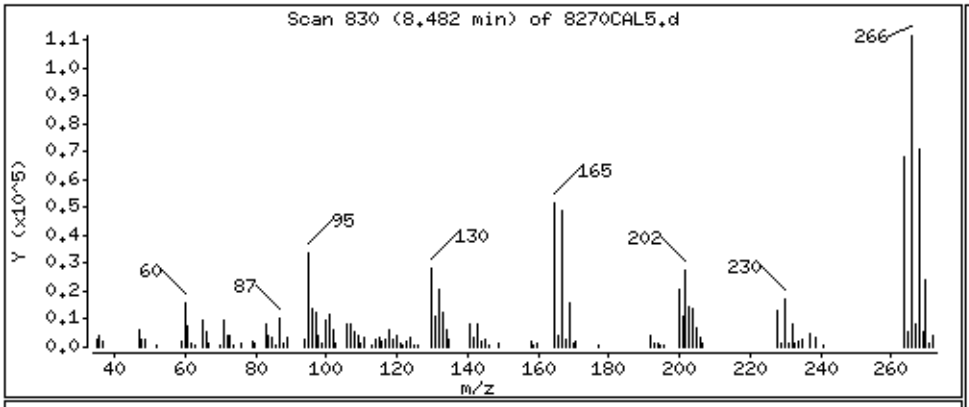
Operator: MJ

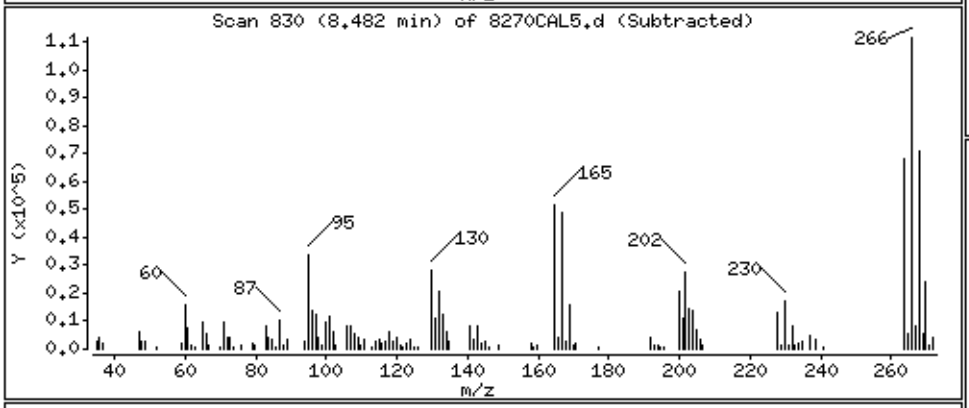
Column phase: HPMS-5

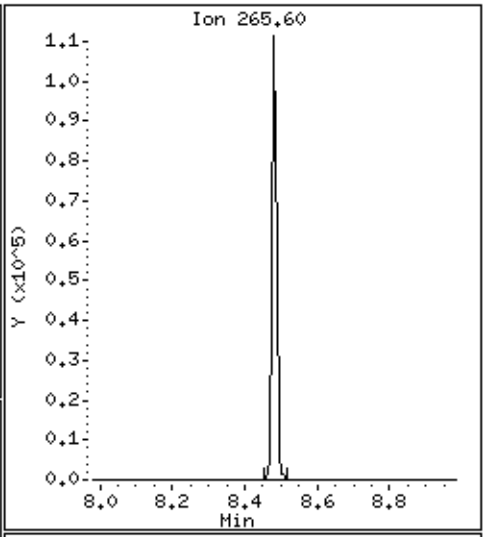
Column diameter: 0.25

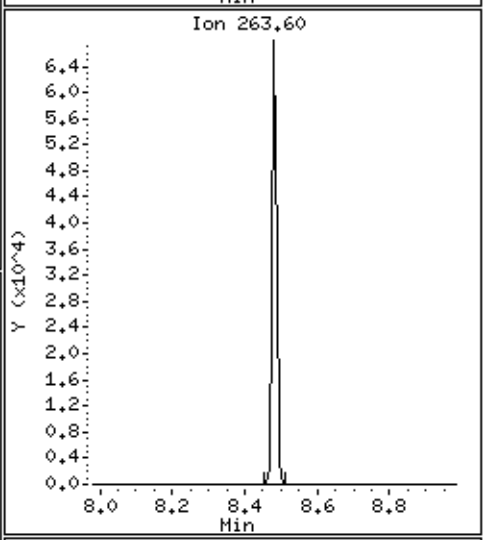
96 Pentachlorophenol

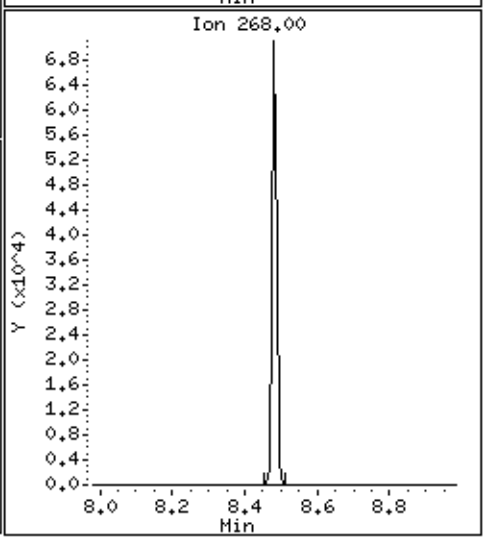
Concentration: 61.7 ug/kg











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Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

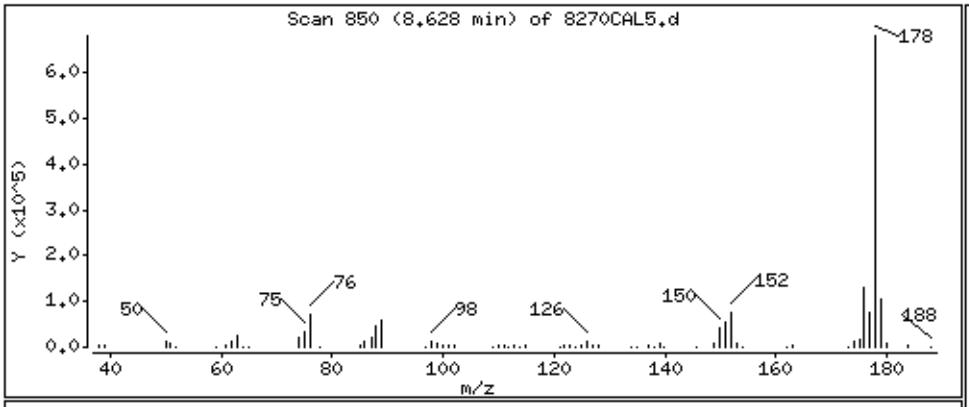
Operator: MJ

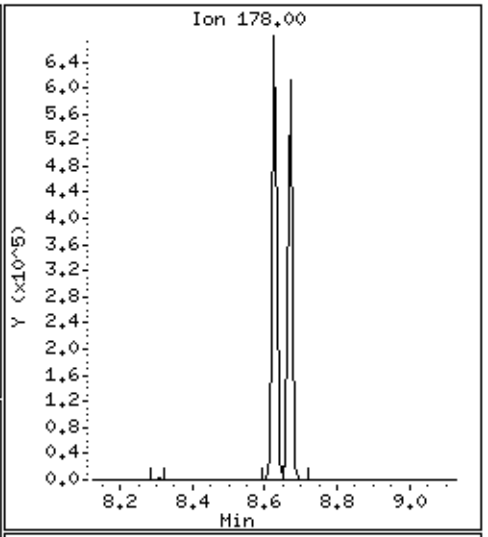
Column phase: HPMS-5

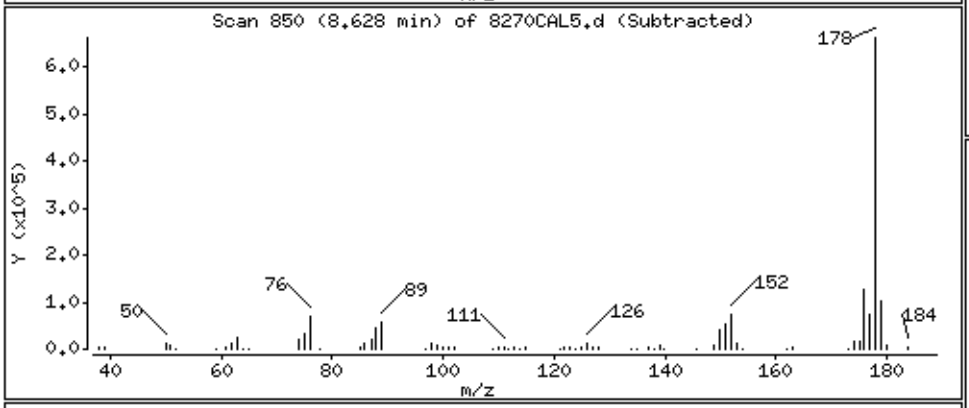
Column diameter: 0.25

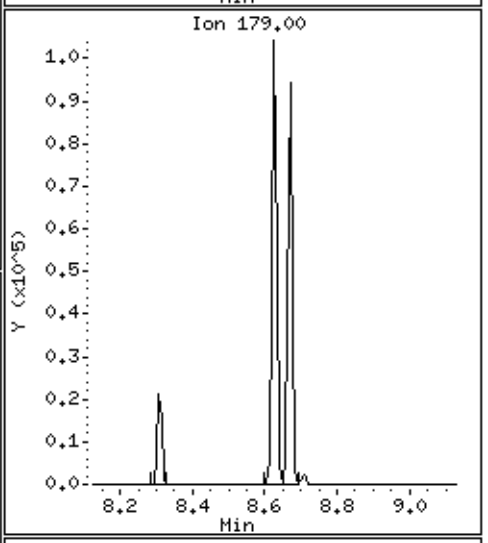
101 Phenanthrene

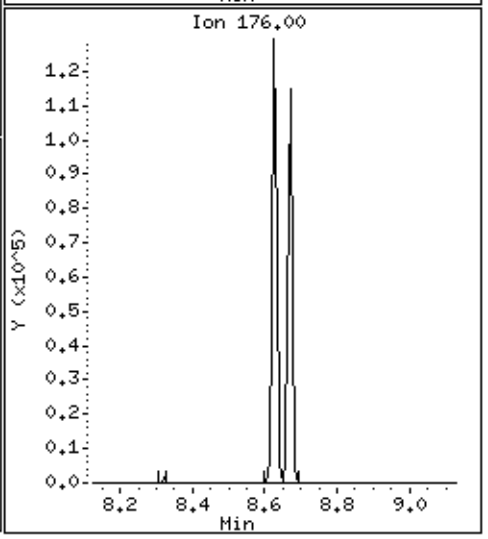
Concentration: 58.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

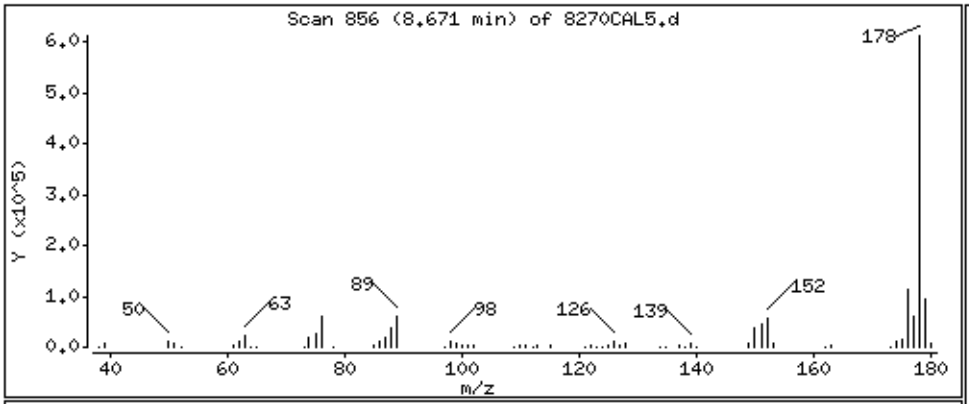
Operator: MJ

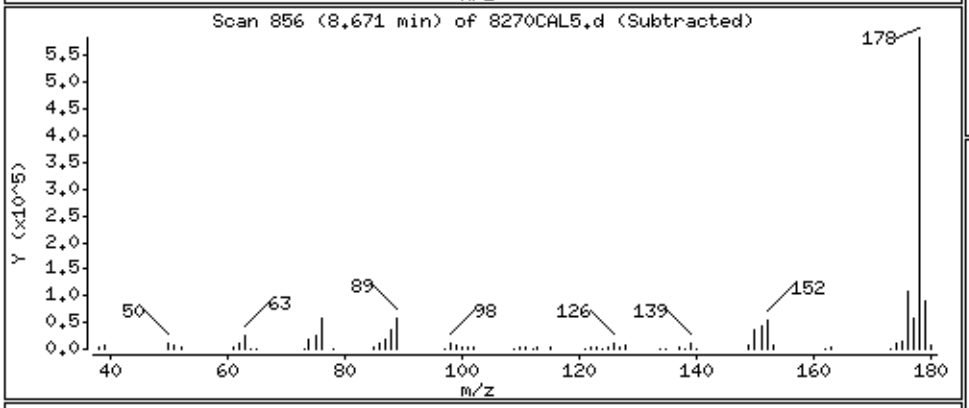
Column phase: HPMS-5

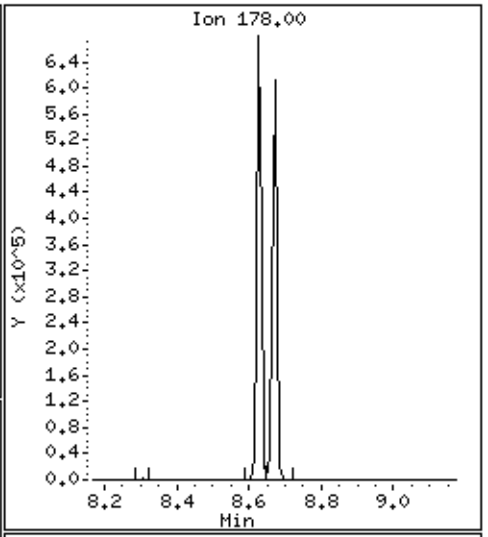
Column diameter: 0.25

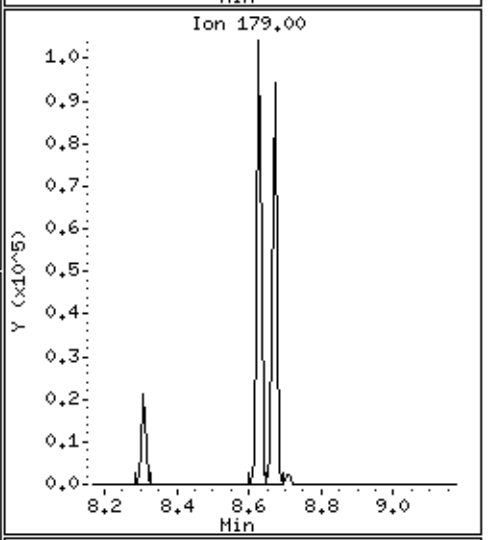
103 Anthracene

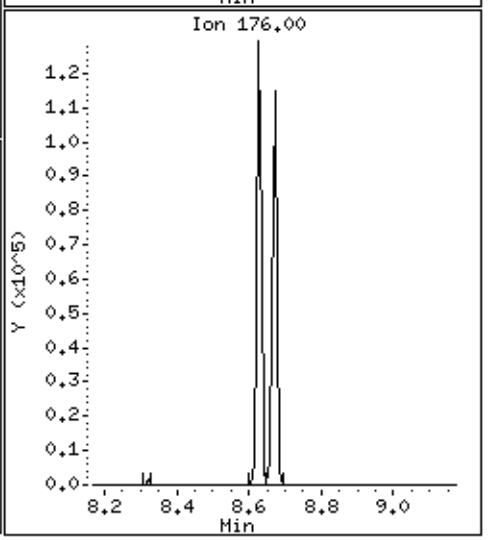
Concentration: 58.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

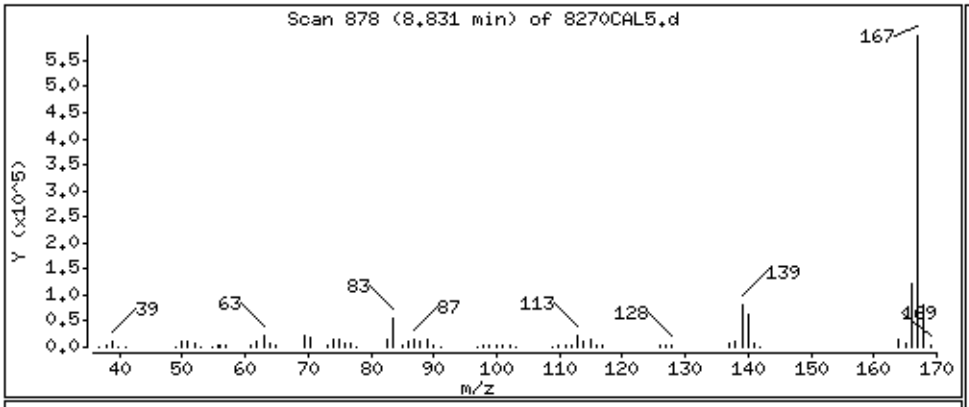
Client ID: 8270CAL5 Instrument: smsd04.i

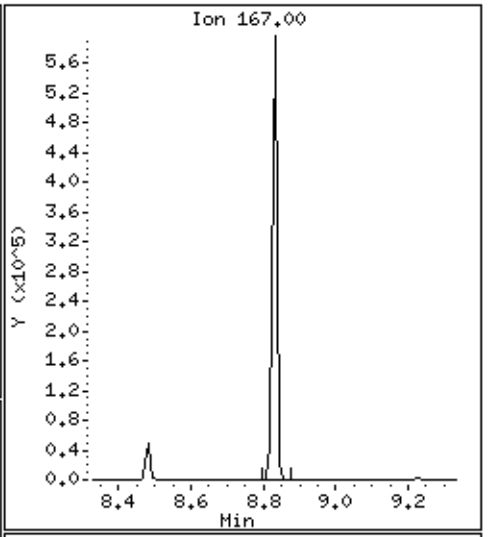
Sample Info: 47765

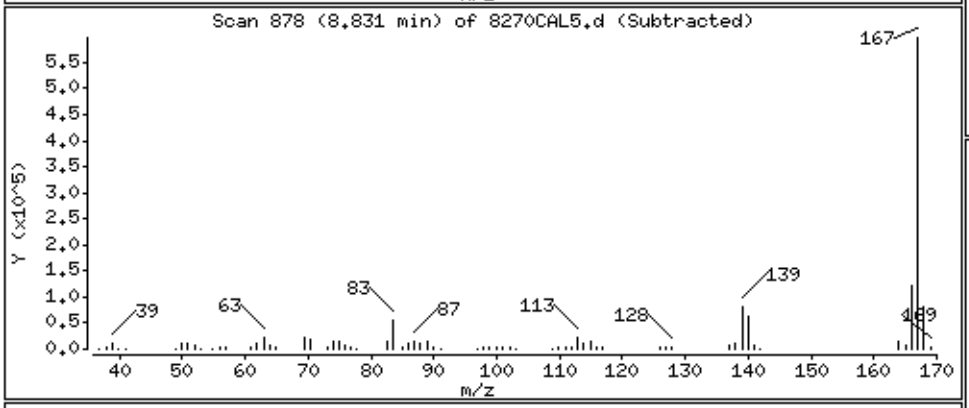
Operator: MJ

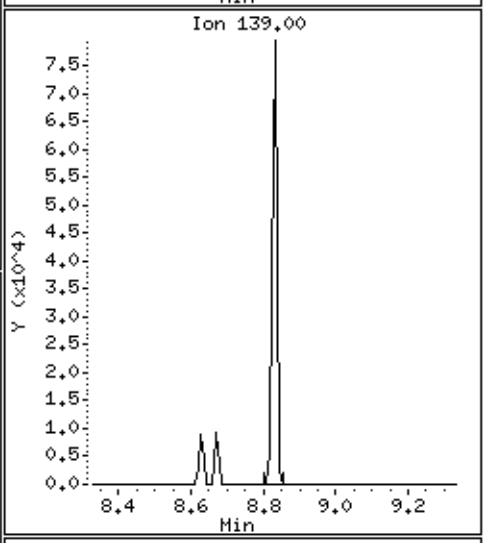
Column phase: HPMS-5 Column diameter: 0.25

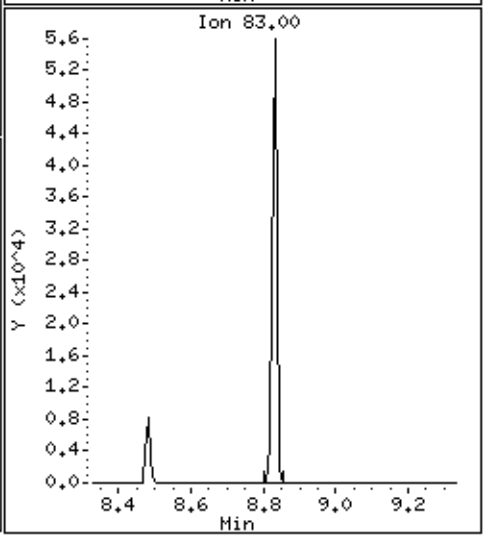
104 Carbazole Concentration: 60.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

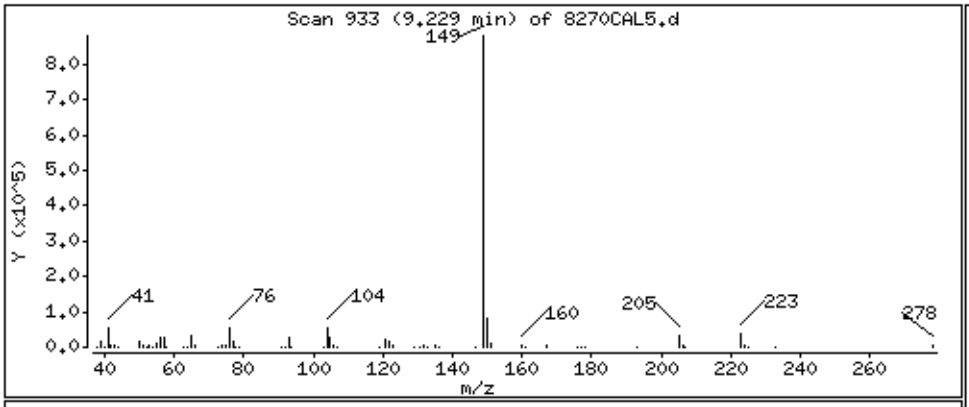
Operator: MJ

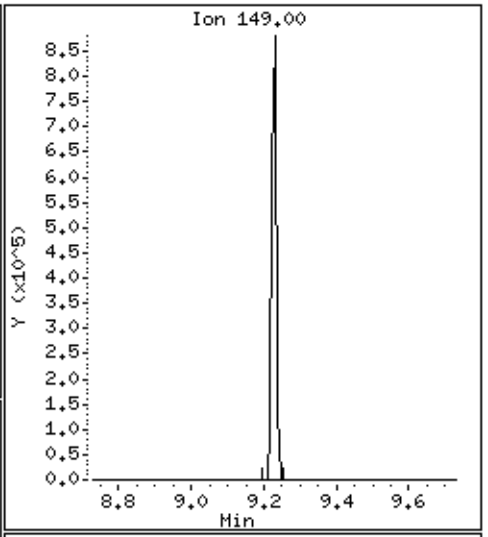
Column phase: HPMS-5

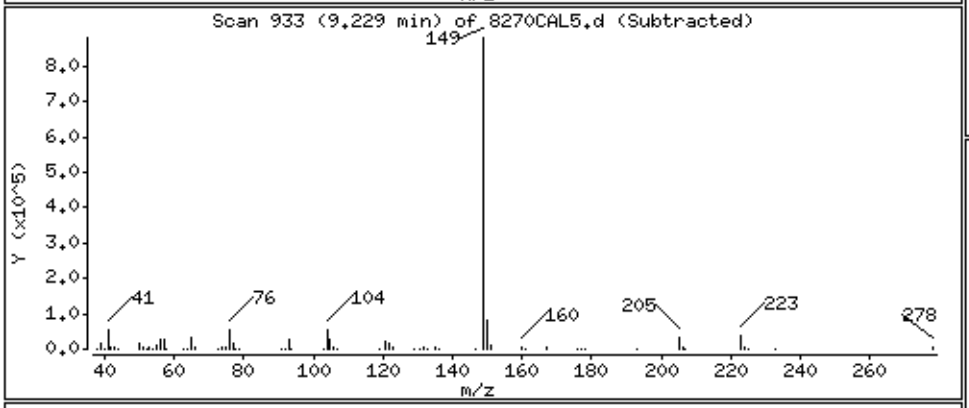
Column diameter: 0.25

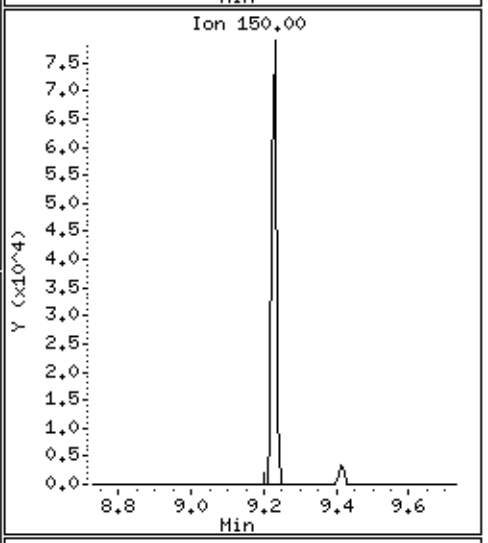
105 Di-n-butylphthalate

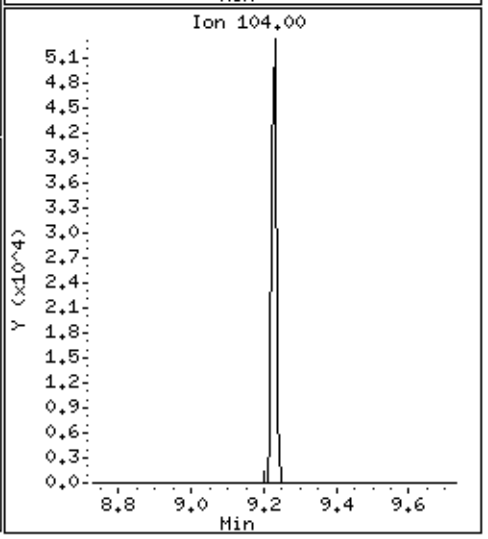
Concentration: 60.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

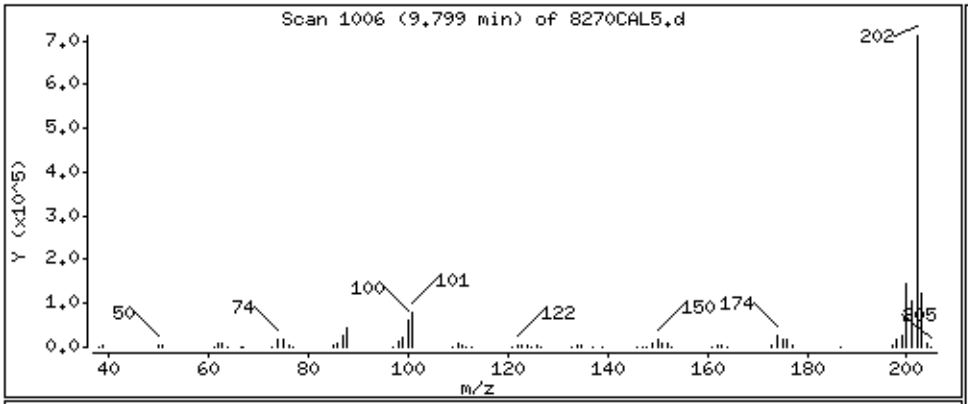
Operator: MJ

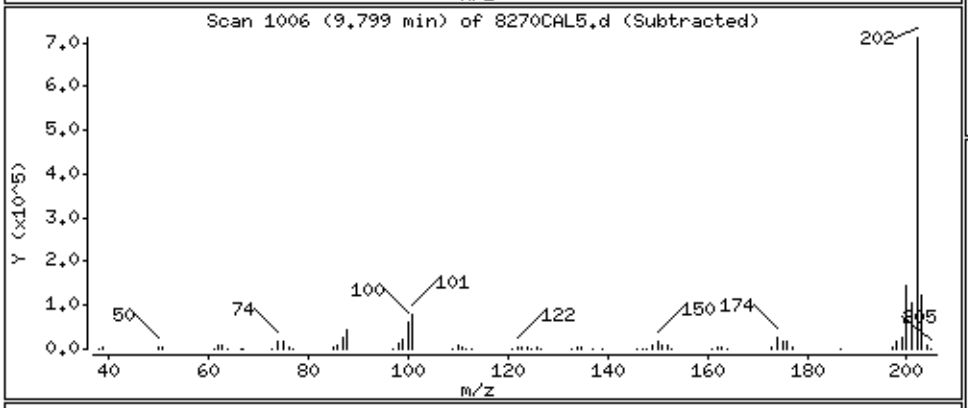
Column phase: HPMS-5

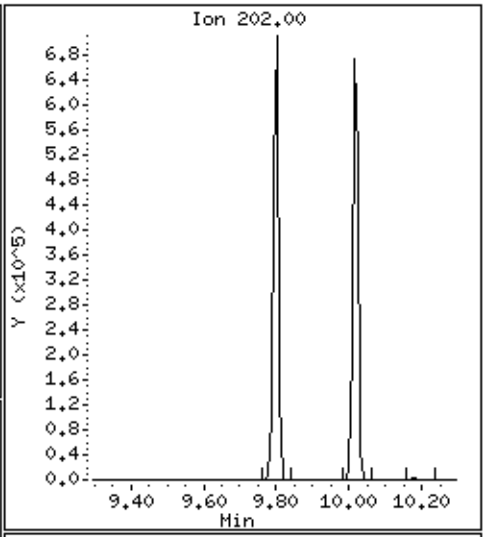
Column diameter: 0.25

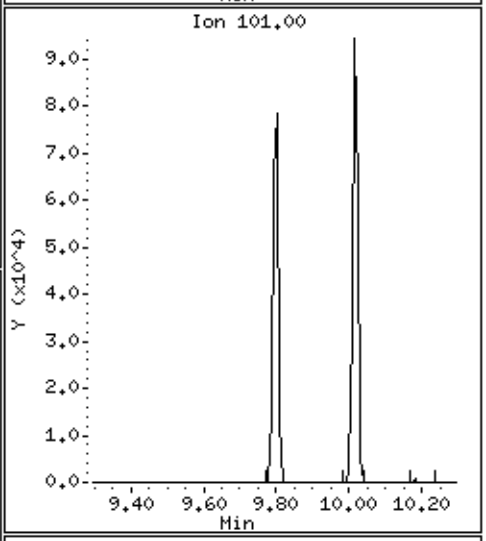
109 Fluoranthene

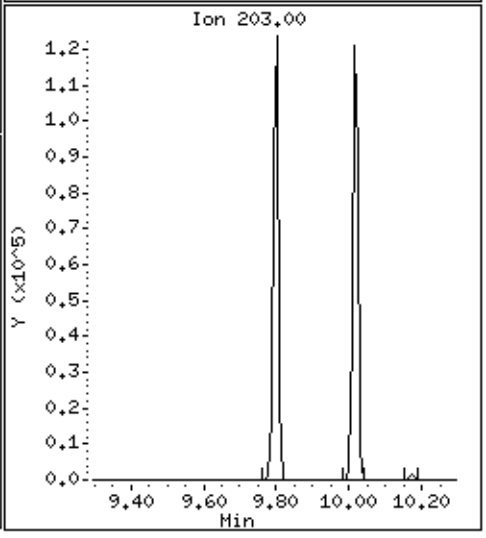
Concentration: 61.1 ug/kg











Date : 14-NOV-2012 23:22

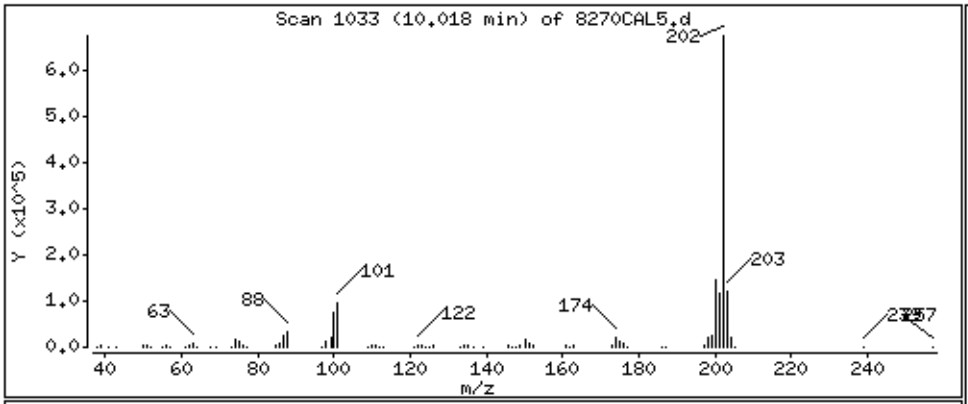
Client ID: 8270CAL5 Instrument: smsd04.i

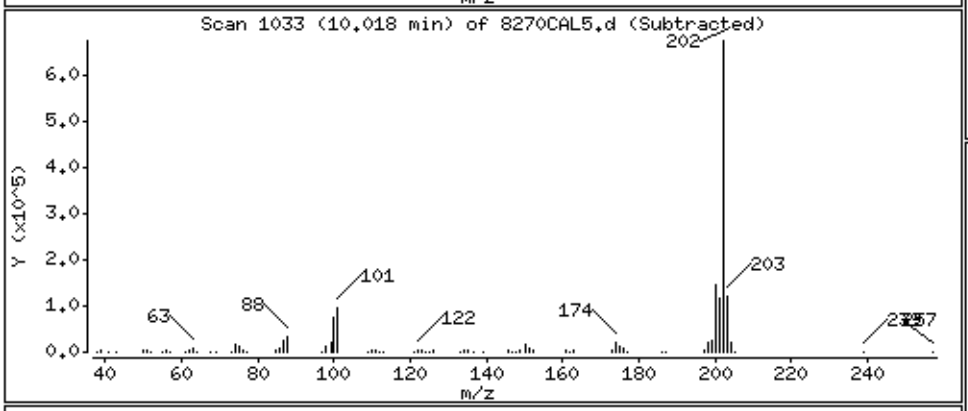
Sample Info: 47765

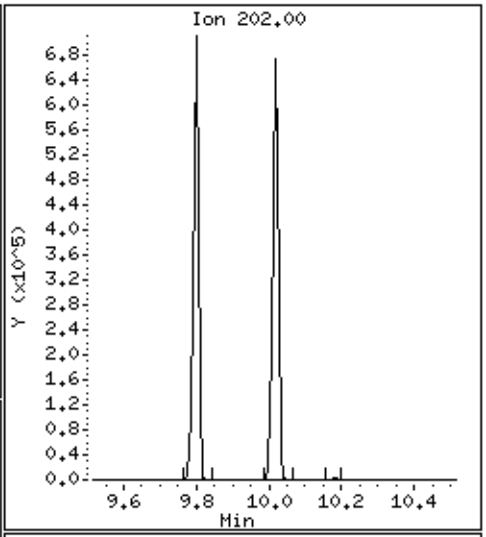
Operator: MJ

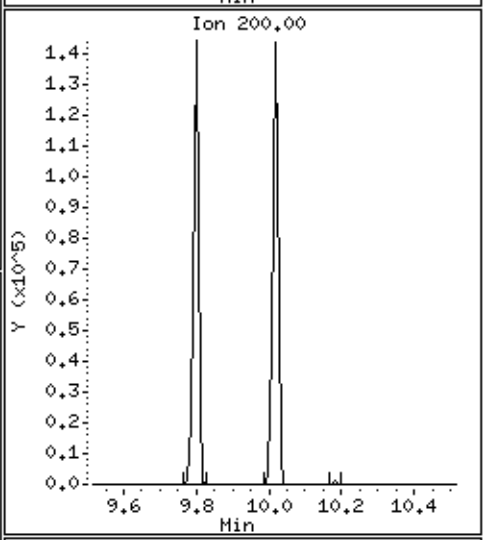
Column phase: HPMS-5 Column diameter: 0.25

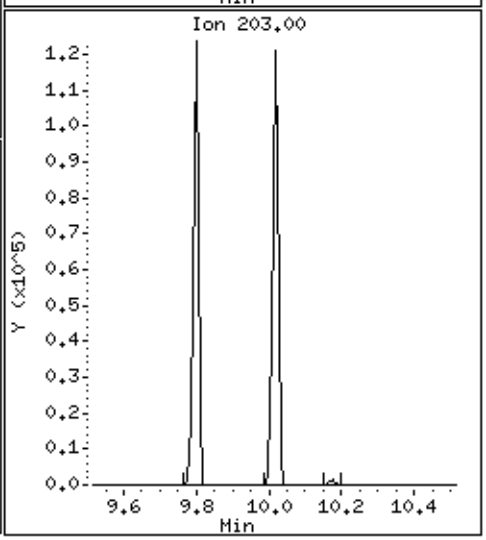
111 Pyrene Concentration: 59.6 ug/kg











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Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

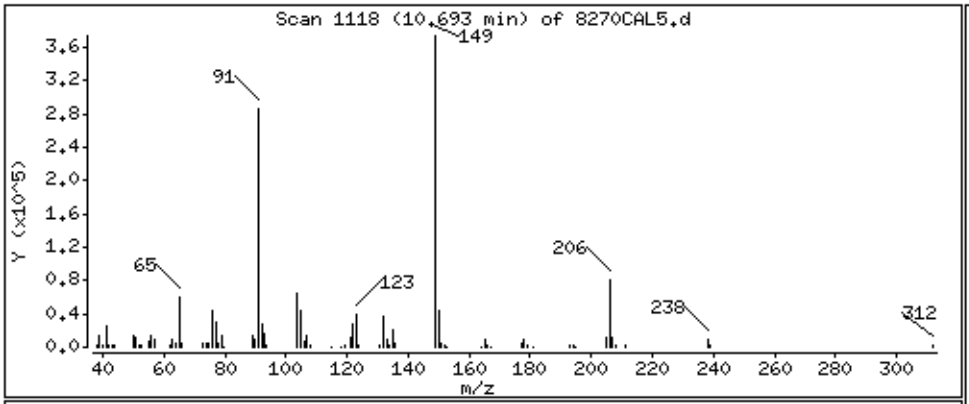
Operator: MJ

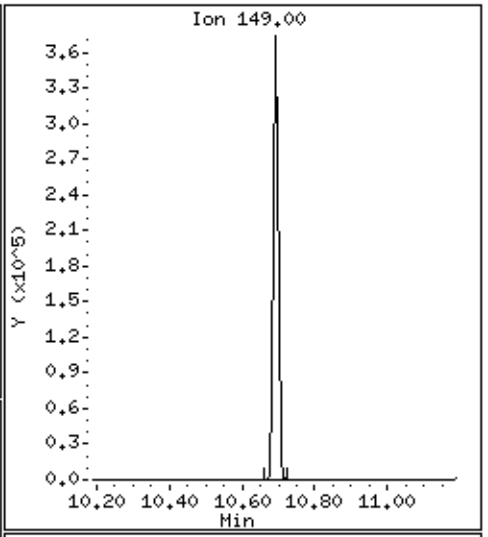
Column phase: HPMS-5

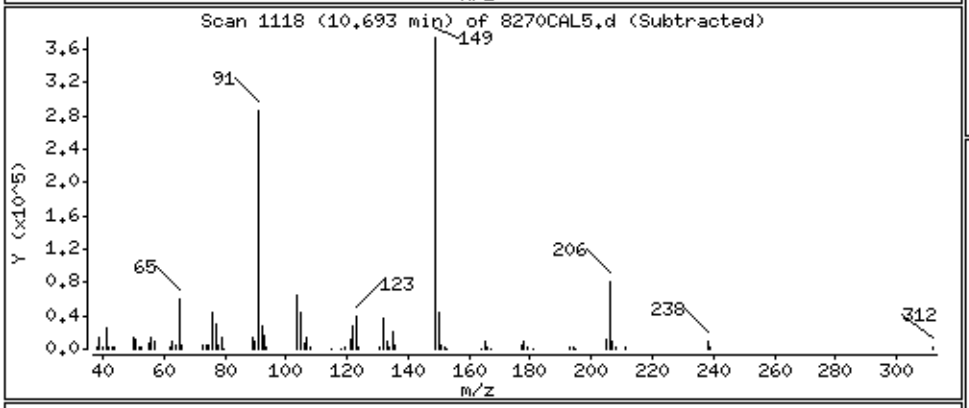
Column diameter: 0.25

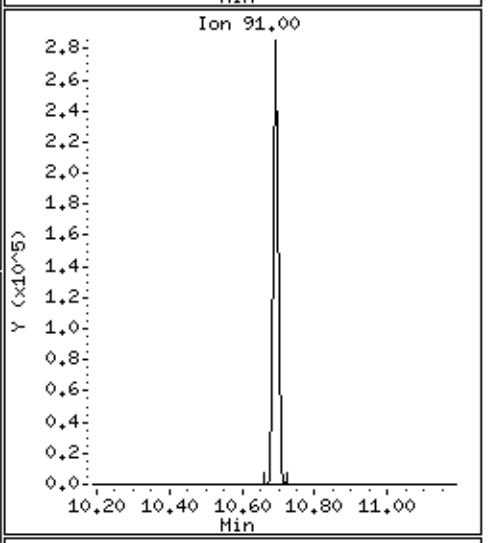
118 Butylbenzylphthalate

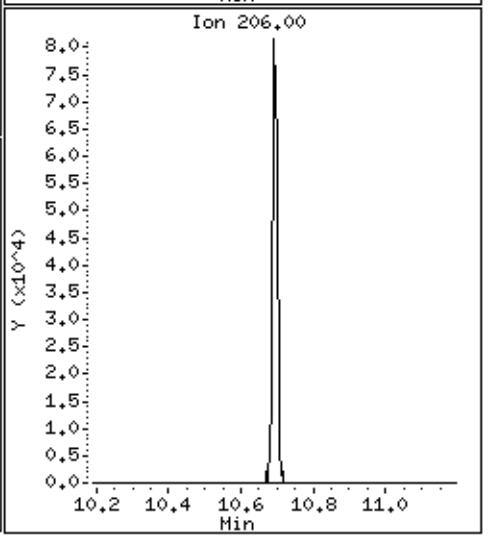
Concentration: 59.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

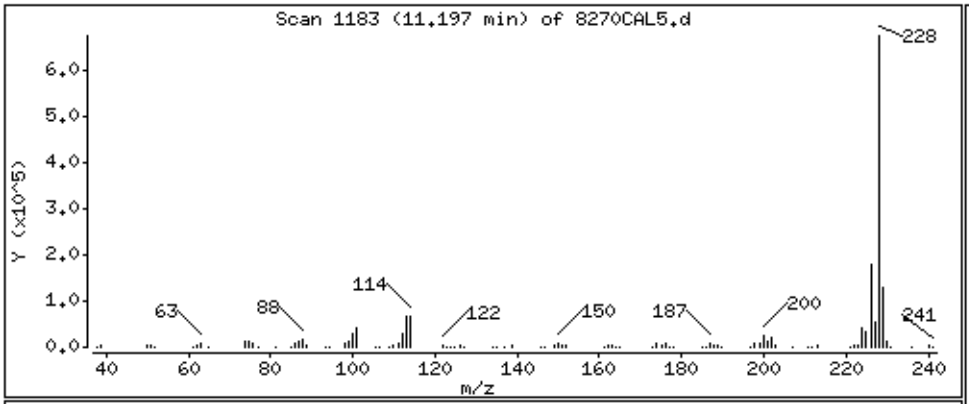
Operator: MJ

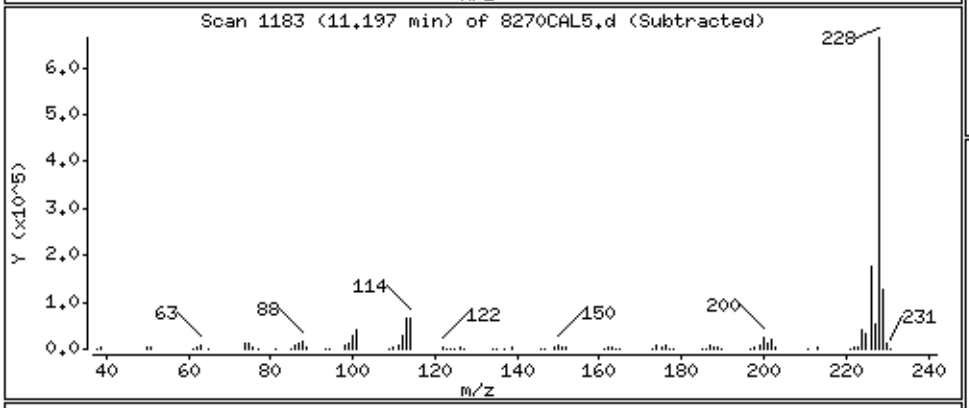
Column phase: HPMS-5

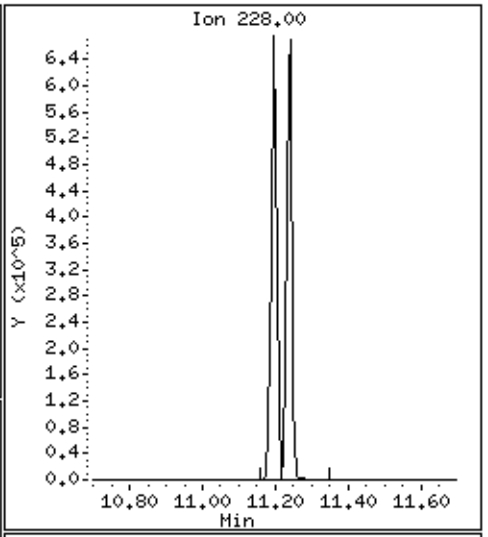
Column diameter: 0.25

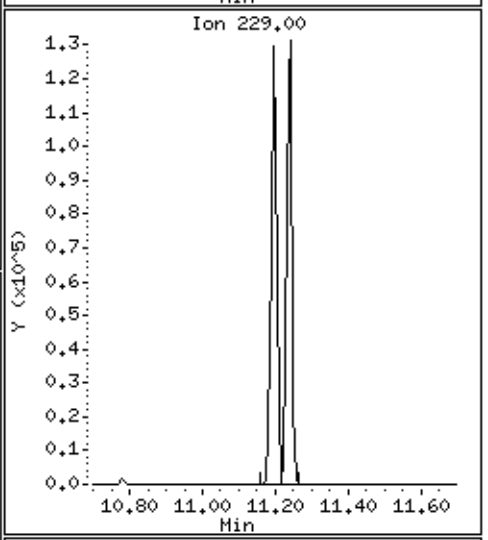
120 Benzo[a]anthracene

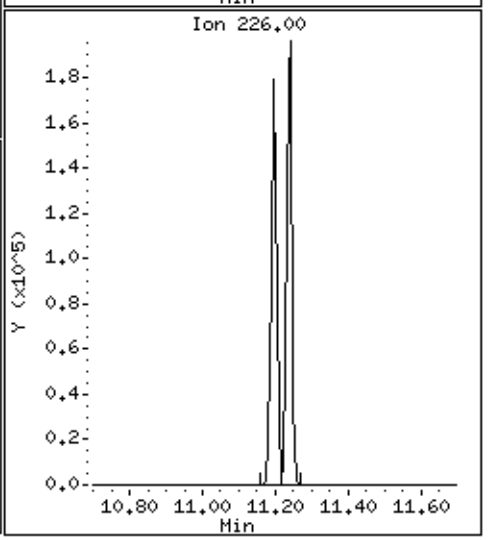
Concentration: 59.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

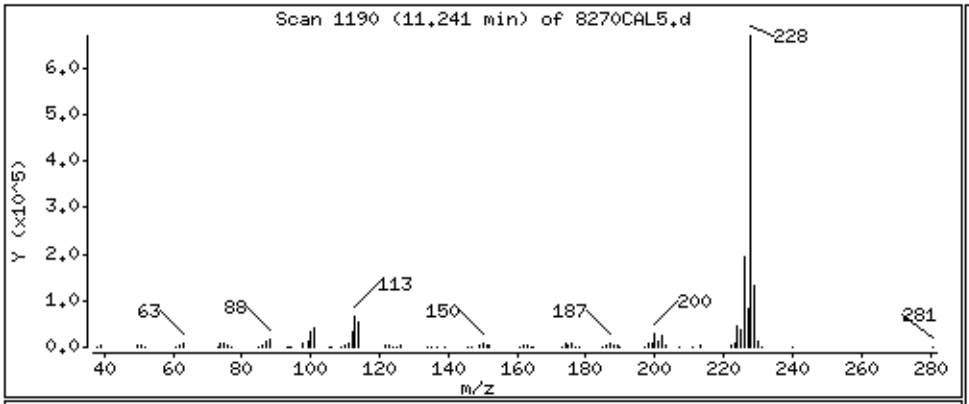
Operator: MJ

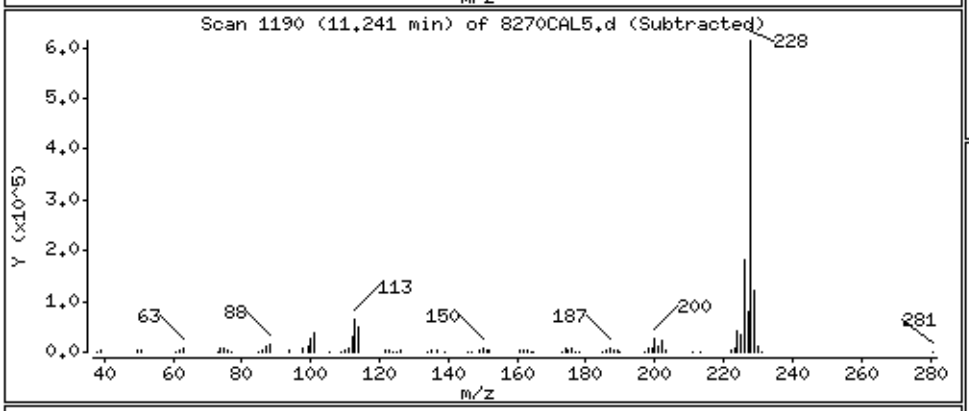
Column phase: HPMS-5

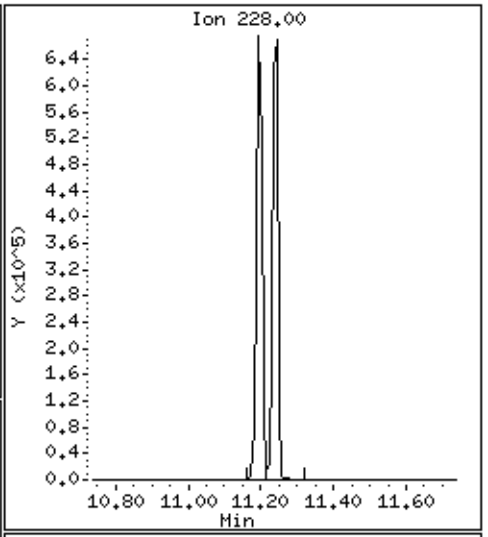
Column diameter: 0.25

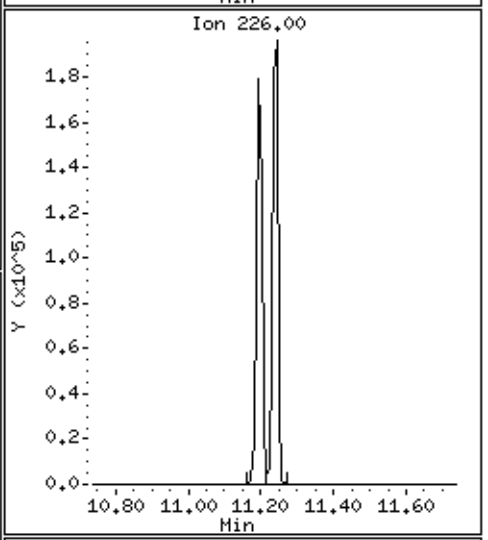
123 Chrysene

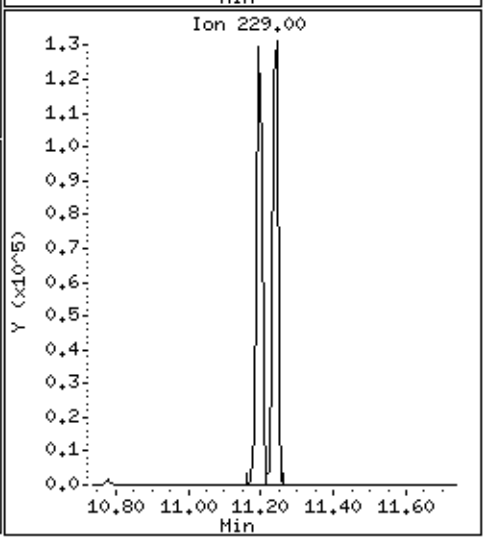
Concentration: 58.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

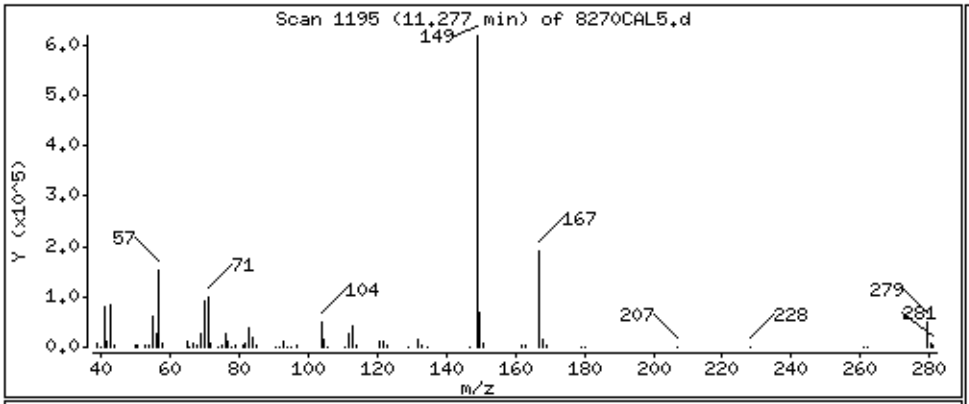
Operator: MJ

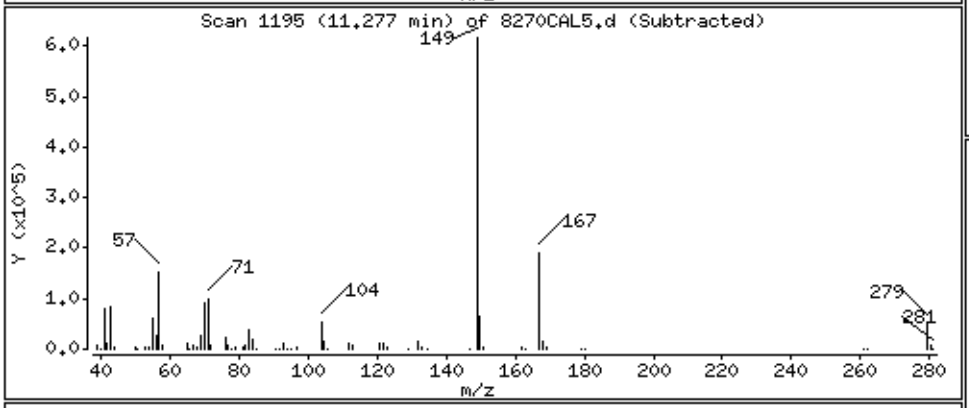
Column phase: HPMS-5

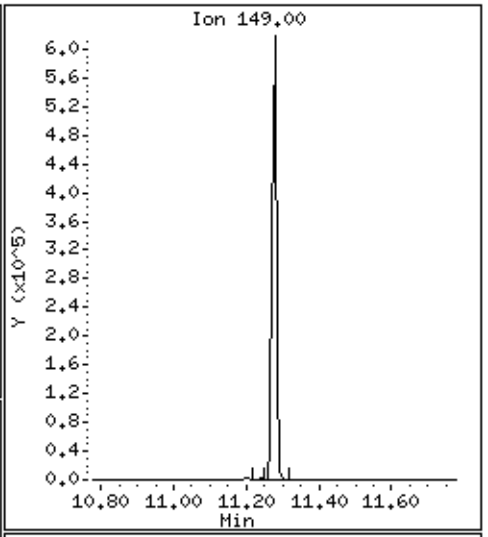
Column diameter: 0.25

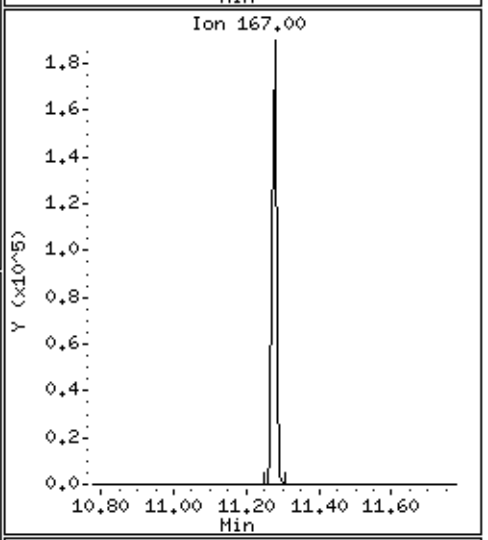
124 Bis-2-Ethylhexylphthalate

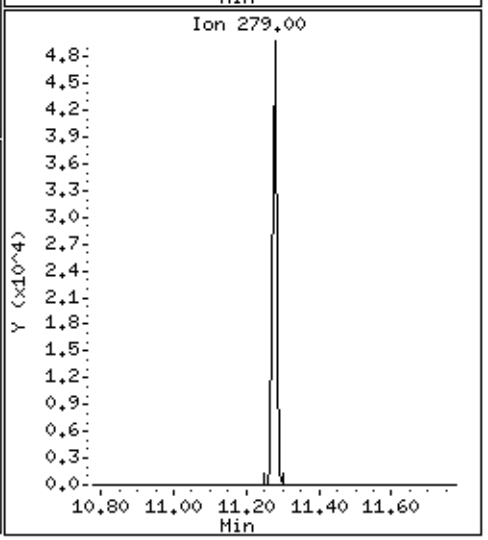
Concentration: 58.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

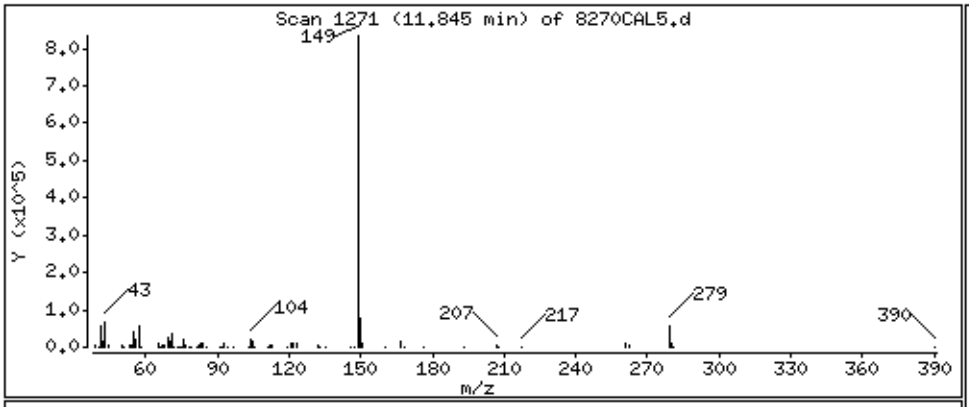
Operator: MJ

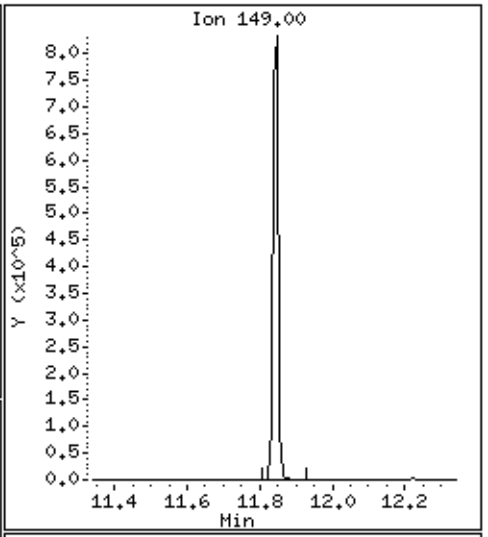
Column phase: HPMS-5

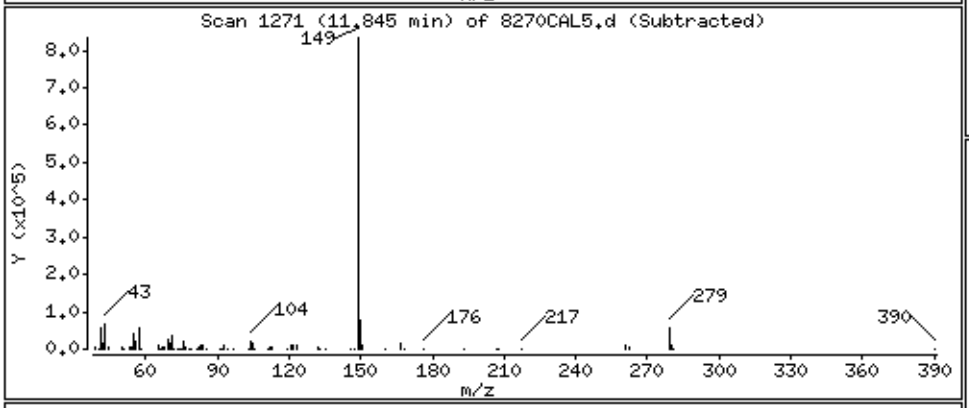
Column diameter: 0.25

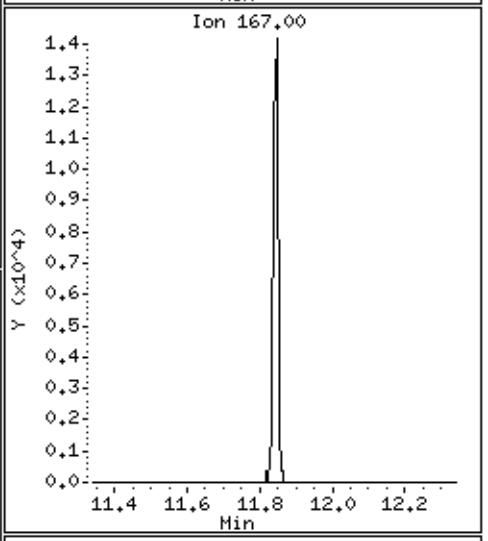
125 Di-n-octylphthalate

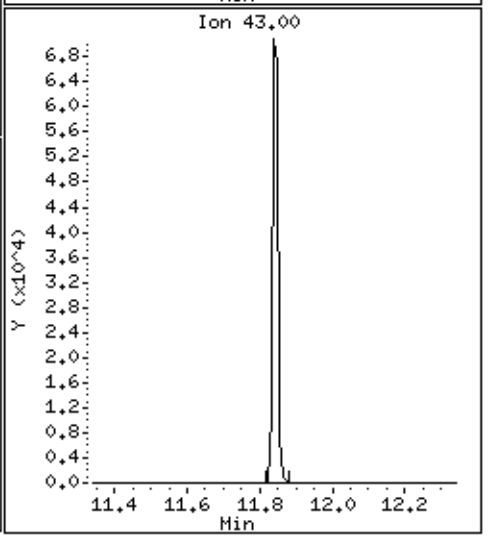
Concentration: 65.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

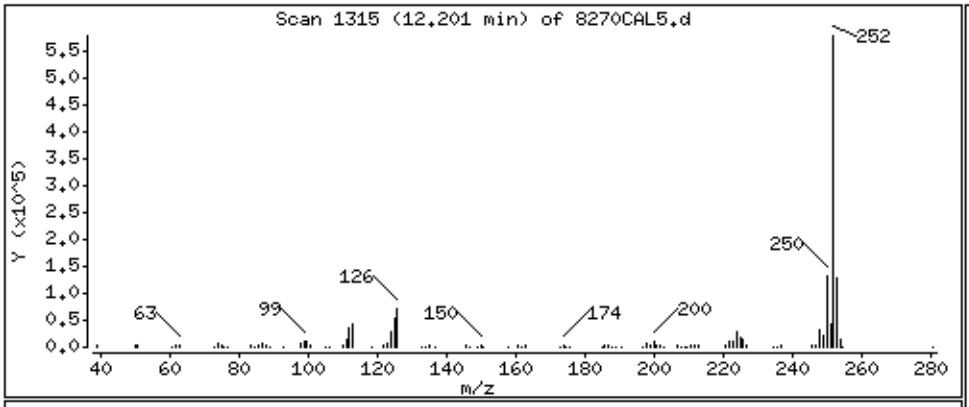
Operator: MJ

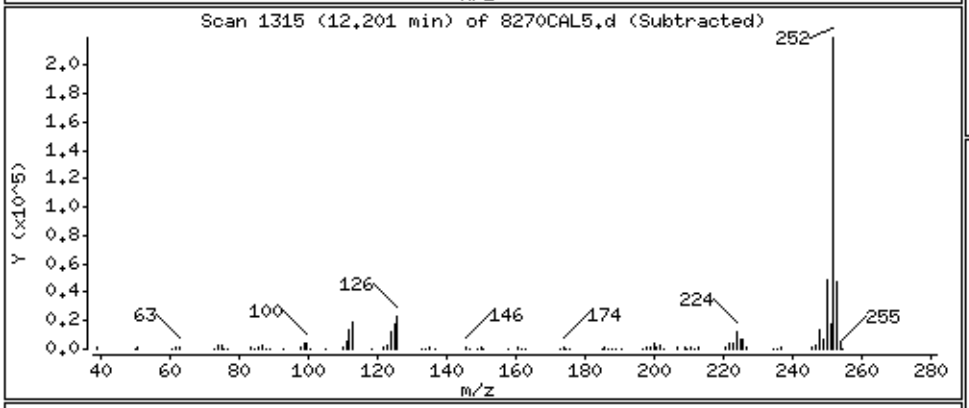
Column phase: HPMS-5

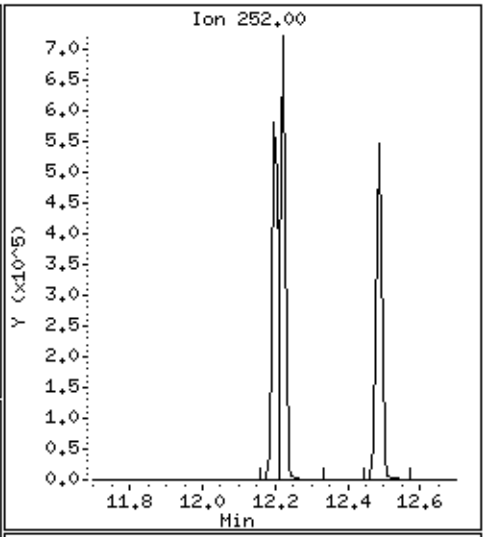
Column diameter: 0.25

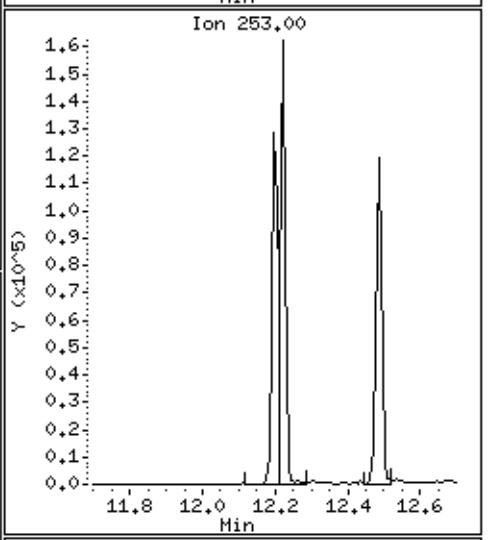
127 Benzo[b]fluoranthene

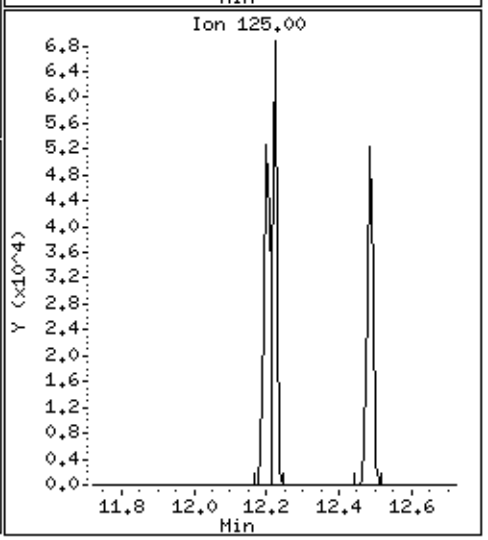
Concentration: 60.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

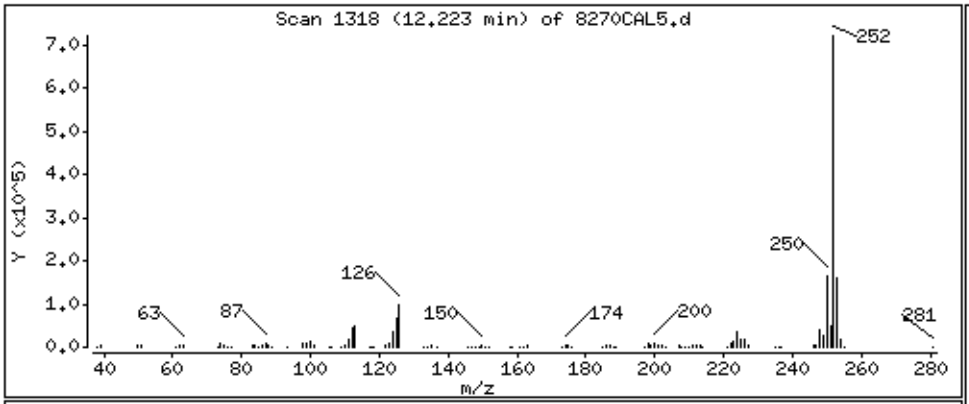
Operator: MJ

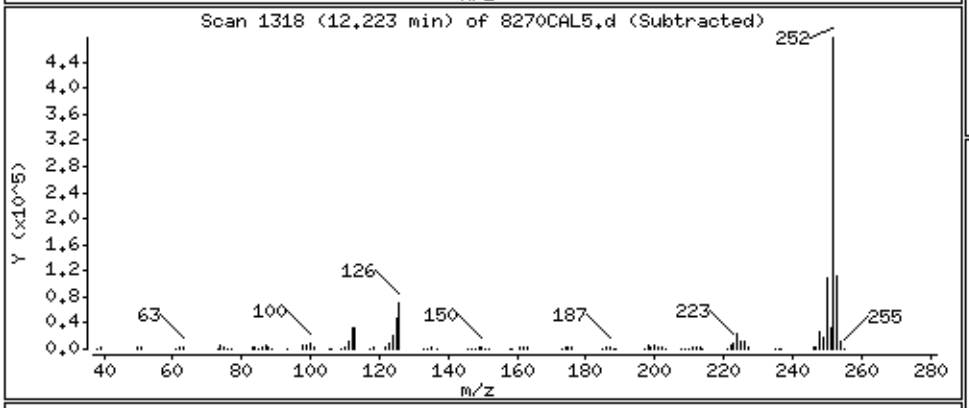
Column phase: HPMS-5

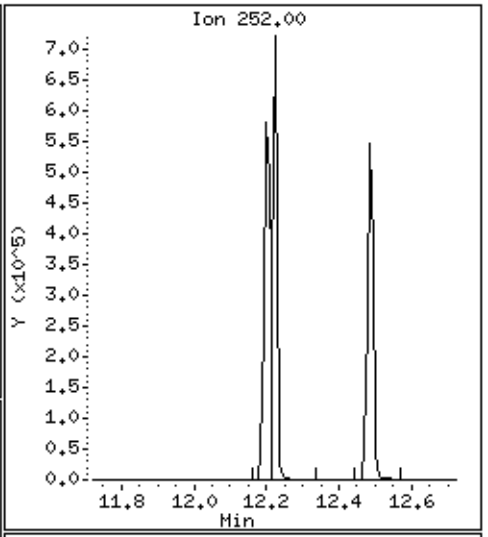
Column diameter: 0.25

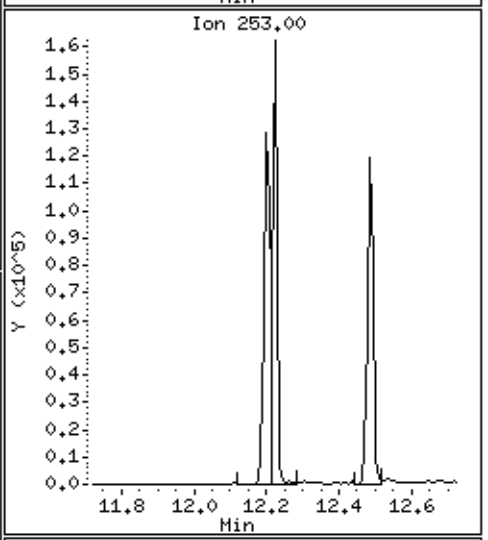
128 Benzo[k]fluoranthene

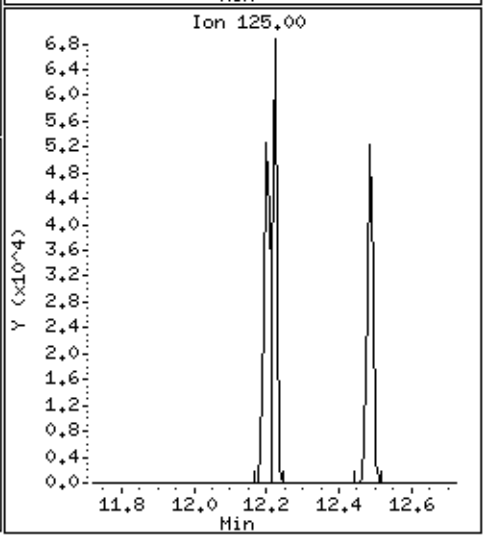
Concentration: 55.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

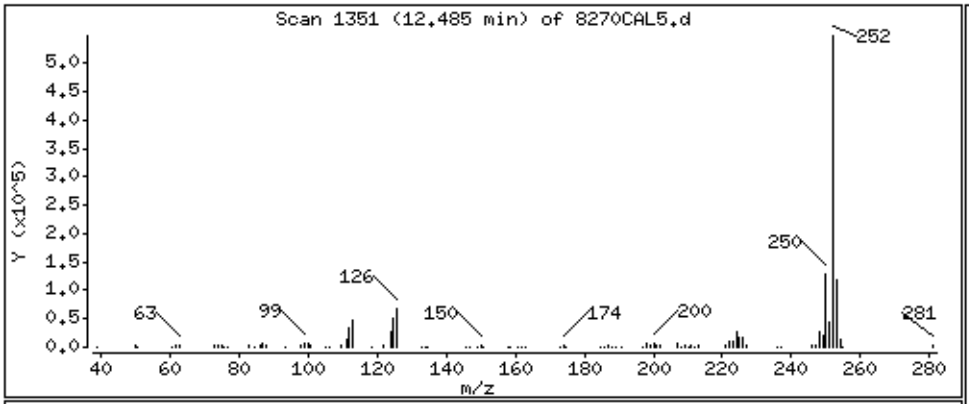
Operator: MJ

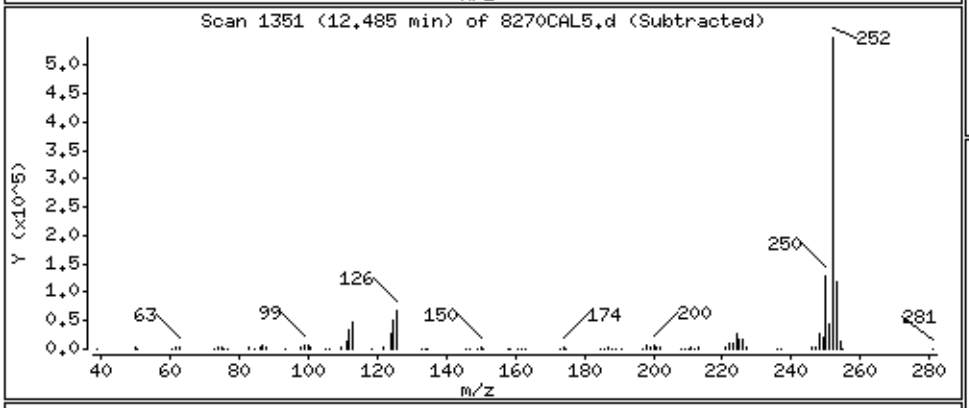
Column phase: HPMS-5

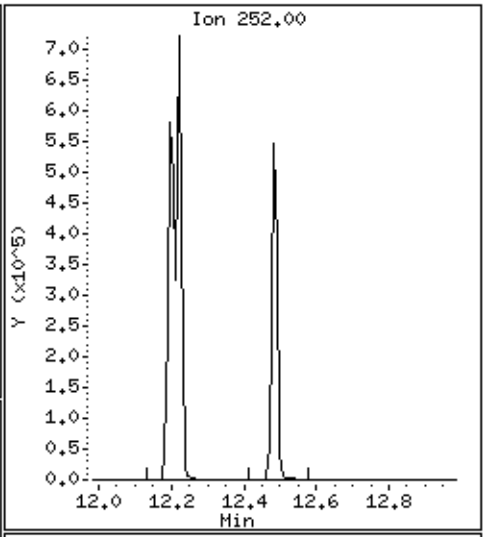
Column diameter: 0.25

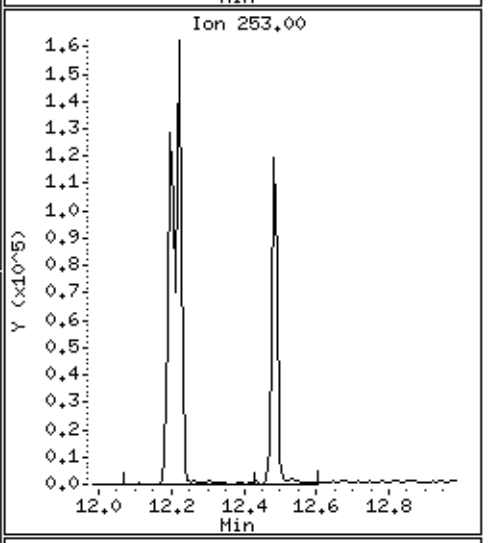
129 Benzo[a]pyrene

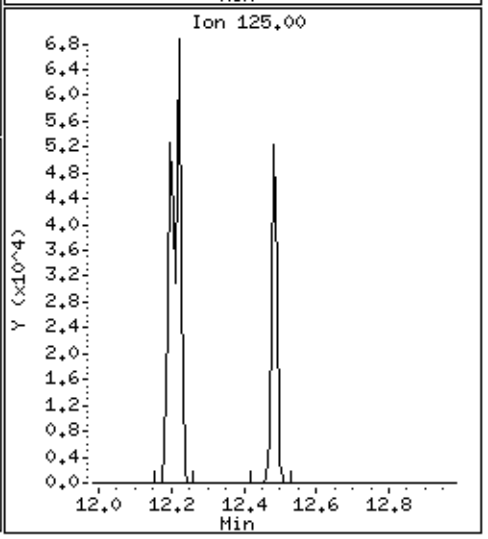
Concentration: 58.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

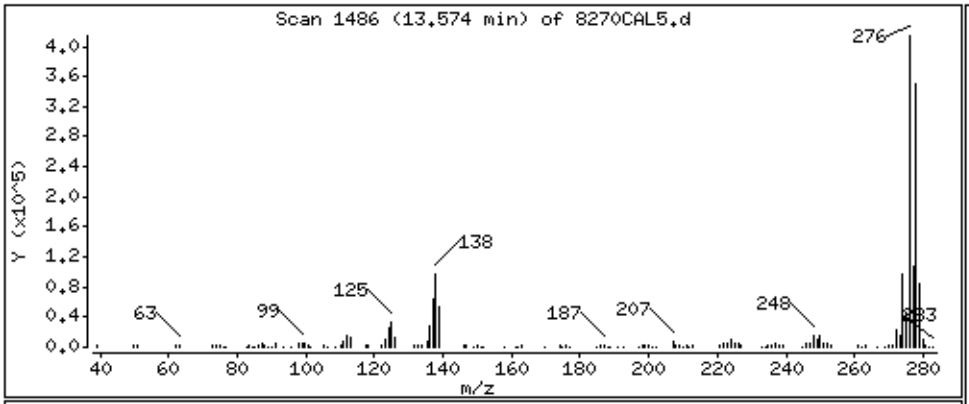
Operator: MJ

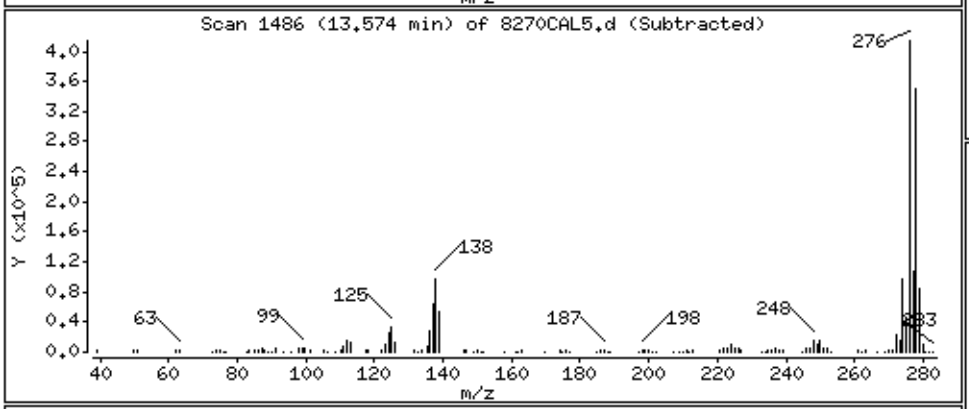
Column phase: HPMS-5

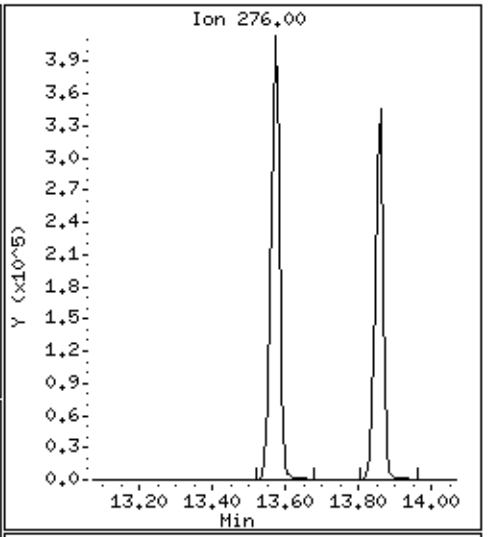
Column diameter: 0.25

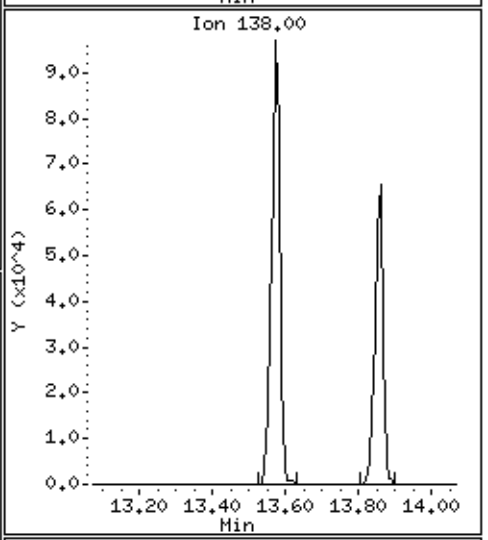
133 Indeno[1,2,3-cd]pyrene

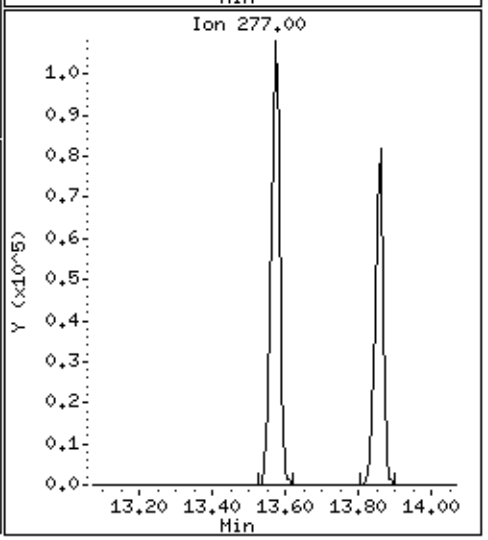
Concentration: 57.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

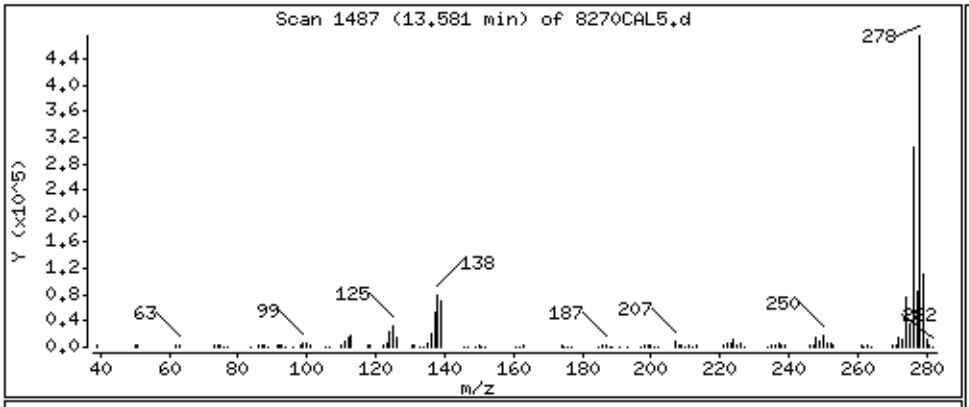
Operator: MJ

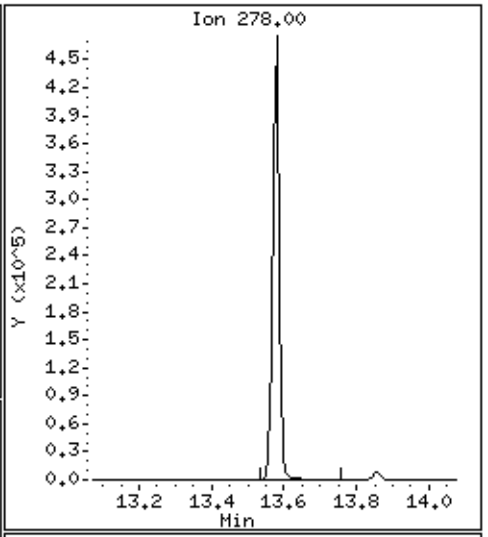
Column phase: HPMS-5

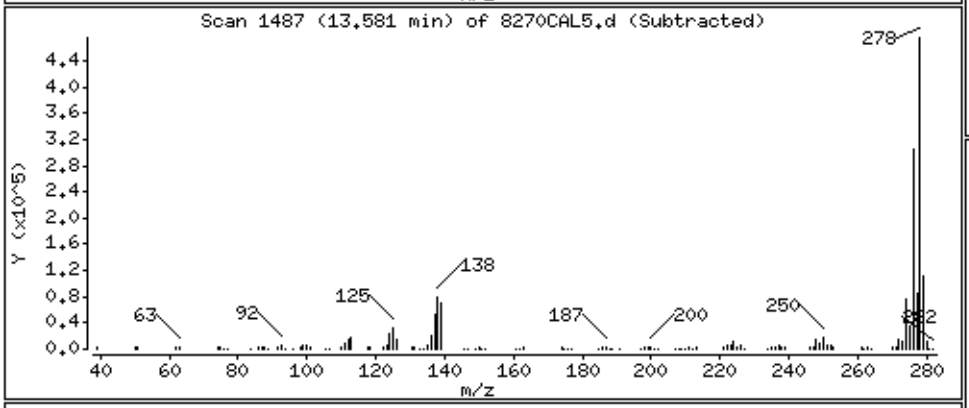
Column diameter: 0.25

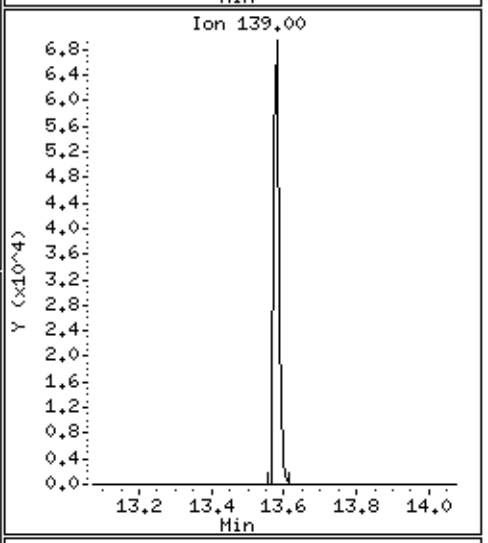
134 Dibenz[a,h]anthracene

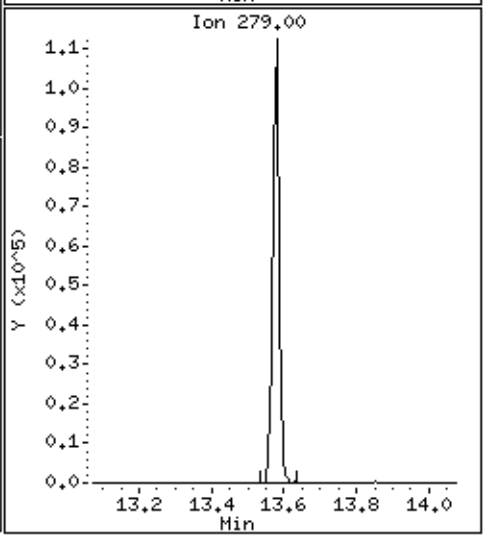
Concentration: 57.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL5.d

Date : 14-NOV-2012 23:22

Client ID: 8270CAL5

Instrument: smsd04.i

Sample Info: 47765

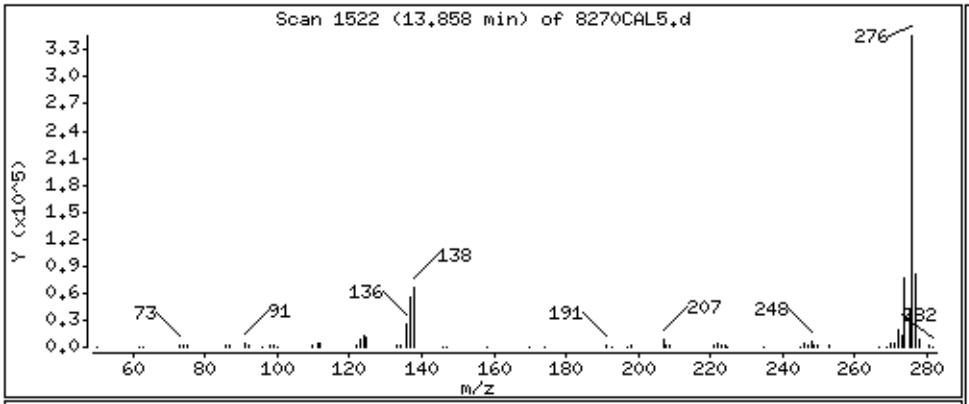
Operator: MJ

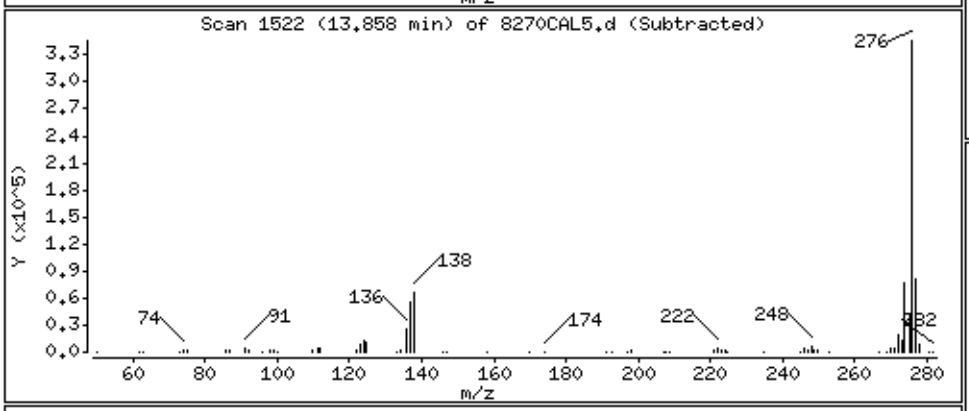
Column phase: HPMS-5

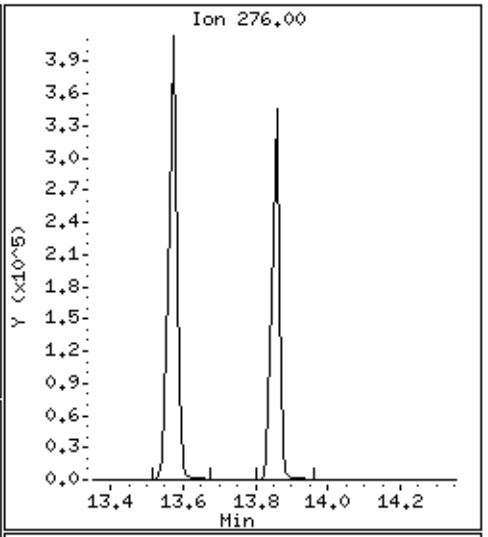
Column diameter: 0.25

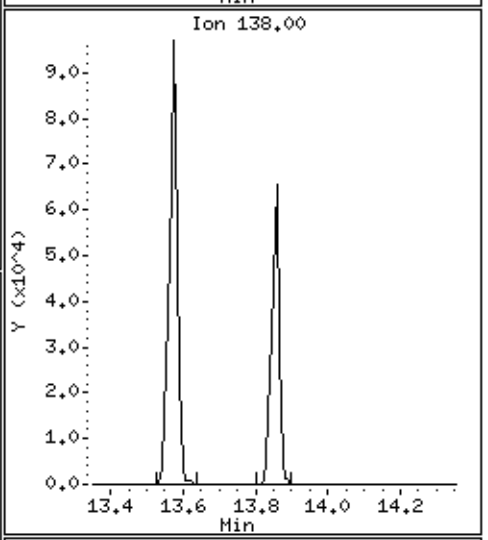
135 Benzo[g,h,i]perylene

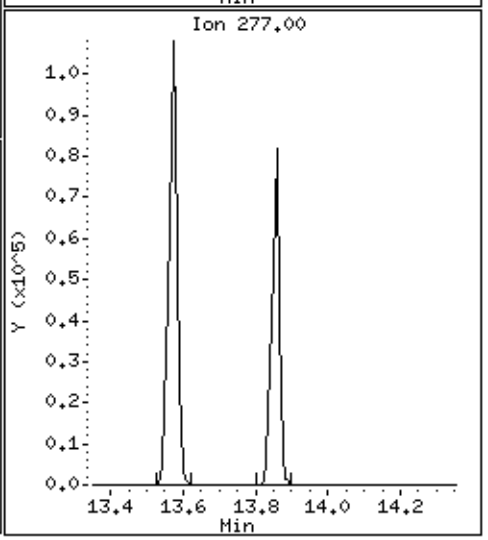
Concentration: 60.4 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d
Lab Smp Id: 47766 Client Smp ID: 8270CAL4
Inj Date : 14-NOV-2012 23:43 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47766
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 14:20 Cal File: AP9CAL4.d
Als bottle: 24 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	2 Pyridine					CAS #: 110-86-1		
2.229	2.228 (0.519)		79	164595	45.0000	44.7	80.00- 120.00	100.00
2.229	2.228 (0.519)		52	107705			35.30- 95.30	65.44
M	16 Cresols (Total)					CAS #: 1319-77-3		
				280494	90.0000			(a)
	1 N-Nitrosodimethylamine					CAS #: 62-75-9		
2.221	2.220 (0.517)		42	72899	45.0000	44.6	80.00- 120.00	100.00
2.221	2.220 (0.517)		74	94785			97.07- 157.07	130.02
2.222	2.221 (0.517)		44	3424			0.00- 34.98	4.70
$	6 2-Fluorophenol (SURR)					CAS #: 367-12-4		
3.247	3.246 (0.756)		112	292122	90.0000	88.7	80.00- 120.00	100.00
3.247	3.246 (0.756)		64	178234			32.62- 92.62	61.01
$	11 Phenol-d5 (SURR)					CAS #: 4165-62-2		
4.007	4.006 (0.933)		99	364964	90.0000	87.0	80.00- 120.00	100.00
4.006	4.006 (0.932)		42	72918			0.00- 49.74	19.98
4.007	4.006 (0.933)		71	151794			12.66- 72.66	41.59

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.016	4.016	(0.935)	94	211679	45.0000	43.8	80.00- 120.00	100.00
4.016	4.016	(0.935)	65	65305			0.94- 60.94	30.85
4.015	4.015	(0.935)	66	105969			21.40- 81.40	50.06
10 Aniline						CAS #: 62-53-3		
4.046	4.046	(0.942)	93	213114	45.0000	47.5	80.00- 120.00	100.00
4.046	4.046	(0.942)	65	44682			0.00- 50.97	20.97
4.046	4.046	(0.942)	66	90645			12.95- 72.95	42.53
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.094	4.094	(0.953)	93	146543	45.0000	45.6	80.00- 120.00	100.00
4.093	4.093	(0.953)	63	106794			43.04- 103.04	72.88
4.094	4.094	(0.953)	95	46012			1.90- 61.90	31.40
15 2-Chlorophenol						CAS #: 95-57-8		
4.142	4.142	(0.964)	128	139406	45.0000	44.2	80.00- 120.00	100.00
4.142	4.142	(0.964)	64	76892			24.14- 84.14	55.16
4.143	4.142	(0.964)	130	46720			2.15- 62.15	33.51
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.267	4.267	(0.993)	146	166876	45.0000	44.4	80.00- 120.00	100.00
4.268	4.267	(0.993)	148	105659			34.15- 94.15	63.32
4.267	4.267	(0.993)	111	73477			14.34- 74.34	44.03
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.297	4.294	(1.000)	152	99413	40.0000		80.00- 120.00	100.00
4.296	4.294	(1.000)	115	62439			34.81- 94.81	62.81
4.297	4.294	(1.000)	150	190242			126.51- 186.51	191.37
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.311	4.311	(1.003)	146	174109	45.0000	44.6	80.00- 120.00	100.00
4.311	4.311	(1.003)	148	112017			36.10- 96.10	64.34
4.311	4.311	(1.003)	111	76334			14.95- 74.95	43.84
21 Benzyl alcohol						CAS #: 100-51-6		
4.429	4.429	(1.031)	108	91639	45.0000	42.7	80.00- 120.00	100.00(M)
4.429	4.429	(1.031)	79	144876			126.03- 186.03	158.09
4.429	4.429	(1.031)	77	96039			76.75- 136.75	104.80
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.479	4.478	(1.042)	146	159725	45.0000	44.2	80.00- 120.00	100.00
4.479	4.478	(1.042)	148	101987			33.36- 93.36	63.85
4.478	4.478	(1.042)	111	74369			18.07- 78.07	46.56
22 2-Methylphenol						CAS #: 95-48-7		
4.539	4.538	(1.056)	107	112257	45.0000	43.4	80.00- 120.00	100.00
4.539	4.538	(1.056)	108	127253			83.56- 143.56	113.36
4.538	4.538	(1.056)	79	65319			27.79- 87.79	58.19
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.571	4.571	(1.064)	45	182168	45.0000	44.9	80.00- 120.00	100.00
4.571	4.571	(1.064)	77	31722			0.00- 47.34	17.41

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	23 2,2'-oxybis(1-chloropropane) (continued)							
4.571	4.571 (1.064)		121	48326			0.00- 56.71	26.53
	28 4-Methylphenol					CAS #: 106-44-5		
4.668	4.668 (1.086)		107	168237	45.0000	43.0	80.00- 120.00	100.00
4.668	4.668 (1.086)		108	140270			51.88- 111.88	83.38
4.668	4.668 (1.086)		79	45425			0.00- 57.76	27.00
	26 N-Nitrosodinpropylamine					CAS #: 621-64-7		
4.699	4.699 (1.094)		70	122167	45.0000	44.2	80.00- 120.00	100.00(M)
4.699	4.699 (1.094)		42	62331			21.53- 81.53	51.02
4.699	4.699 (1.094)		130	25412			0.00- 51.40	20.80
	30 Hexachloroethane					CAS #: 67-72-1		
4.754	4.753 (1.106)		117	74092	45.0000	45.0	80.00- 120.00	100.00
4.754	4.754 (1.106)		201	69866			63.39- 123.39	94.30
4.754	4.754 (1.106)		199	43666			26.40- 86.40	58.93
$	31 Nitrobenzene-d5 (SURR)					CAS #: 4165-60-0		
4.818	4.818 (0.881)		82	188188	45.0000	45.0	80.00- 120.00	100.00
4.819	4.818 (0.881)		128	68768			6.68- 66.68	36.54
4.818	4.818 (0.881)		54	93052			19.12- 79.12	49.45
	32 Nitrobenzene					CAS #: 98-95-3		
4.835	4.834 (0.884)		77	187236	45.0000	45.5	80.00- 120.00	100.00
4.835	4.835 (0.884)		123	69360			6.73- 66.73	37.04
4.835	4.834 (0.884)		65	26452			0.00- 43.84	14.13
	34 Isophorone					CAS #: 78-59-1		
5.047	5.046 (0.923)		82	318415	45.0000	44.4	80.00- 120.00	100.00
5.047	5.047 (0.923)		138	49727			0.00- 45.91	15.62
5.047	5.046 (0.923)		95	25232			0.00- 37.77	7.92
	35 2-Nitrophenol					CAS #: 88-75-5		
5.128	5.128 (0.938)		139	77667	45.0000	44.4	80.00- 120.00	100.00
5.128	5.127 (0.938)		65	49893			33.65- 93.65	64.24
5.128	5.127 (0.938)		109	31967			13.08- 73.08	41.16
	36 2,4-Dimethylphenol					CAS #: 105-67-9		
5.158	5.158 (0.943)		122	118023	45.0000	45.6	80.00- 120.00	100.00
5.158	5.158 (0.943)		107	155243			100.42- 160.42	131.54
5.158	5.158 (0.943)		121	69222			27.73- 87.73	58.65
	38 Bis(2-Chloroethoxy)methane					CAS #: 111-91-1		
5.252	5.252 (0.961)		93	184290	45.0000	44.6	80.00- 120.00	100.00
5.252	5.252 (0.961)		95	58799			2.66- 62.66	31.91
5.252	5.252 (0.961)		123	25610			0.00- 43.79	13.90
	40 Benzoic Acid					CAS #: 65-85-0		
5.263	5.267 (0.963)		122	75577	45.0000	44.8	80.00- 120.00	100.00
5.264	5.267 (0.963)		105	106745			114.27- 174.27	141.24
5.263	5.267 (0.963)		77	91800			94.81- 154.81	121.47

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol						CAS #: 120-83-2		
5.342	5.342	(0.977)	162	131208	45.0000	44.0	80.00- 120.00	100.00
5.343	5.342	(0.977)	164	82641			34.34- 94.34	62.98
5.342	5.342	(0.977)	98	49430			8.30- 68.30	37.67
42 1,2,4-Trichlorobenzene						CAS #: 120-82-1		
5.427	5.427	(0.993)	180	144654	45.0000	44.0	80.00- 120.00	100.00
5.427	5.427	(0.993)	182	138655			69.17- 129.17	95.85
5.427	5.427	(0.993)	145	42129			0.41- 60.41	29.12
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.467	5.463	(1.000)	136	328158	40.0000		80.00- 120.00	100.00
5.466	5.463	(1.000)	68	23963			0.00- 37.51	7.30
44 Naphthalene						CAS #: 91-20-3		
5.486	5.486	(1.003)	128	396809	45.0000	45.0	80.00- 120.00	100.00
5.485	5.485	(1.003)	129	43504			0.00- 40.78	10.96
5.486	5.486	(1.003)	127	50702			0.00- 42.17	12.78
45 4-Chloroaniline						CAS #: 106-47-8		
5.552	5.552	(1.015)	127	164892	45.0000	45.2	80.00- 120.00	100.00
5.551	5.552	(1.015)	129	51931			2.29- 62.29	31.49
5.551	5.551	(1.015)	65	60968			8.57- 68.57	36.97
48 Hexachlorobutadiene						CAS #: 87-68-3		
5.654	5.654	(1.034)	225	105067	45.0000	45.1	80.00- 120.00	100.00
5.654	5.654	(1.034)	223	64716			31.81- 91.81	61.59
5.654	5.654	(1.034)	227	66935			34.78- 94.78	63.71
51 4-Chloro-3-methylphenol						CAS #: 59-50-7		
6.009	6.009	(1.099)	107	137461	45.0000	42.9	80.00- 120.00	100.00
6.009	6.009	(1.099)	144	32647			0.00- 53.54	23.75
6.009	6.009	(1.099)	142	97260			43.91- 103.91	70.75
53 2-Methylnaphthalene						CAS #: 91-57-6		
6.141	6.141	(1.123)	142	261173	45.0000	43.0	80.00- 120.00	100.00
6.142	6.141	(1.123)	141	224935			55.50- 115.50	86.12
54 1-Methylnaphthalene						CAS #: 90-12-0		
6.247	6.247	(1.143)	142	240769	45.0000	43.0	80.00- 120.00	100.00
6.247	6.247	(1.143)	141	216642			58.78- 118.78	89.98
55 Hexachlorocyclopentadiene						CAS #: 77-47-4		
6.360	6.360	(0.887)	237	99931	45.0000	49.9	80.00- 120.00	100.00
6.360	6.360	(0.887)	235	63303			33.42- 93.42	63.35
6.361	6.360	(0.887)	272	12638			0.00- 41.88	12.65
57 2,4,6-Trichlorophenol						CAS #: 88-06-2		
6.438	6.438	(0.898)	196	97617	45.0000	44.3	80.00- 120.00	100.00
6.438	6.438	(0.898)	198	95669			67.54- 127.54	98.00
6.438	6.438	(0.898)	200	29679			1.18- 61.18	30.40
58 2,4,5-Trichlorophenol						CAS #: 95-95-4		
6.472	6.472	(0.903)	196	107018	45.0000	43.9	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
	58 2,4,5-Trichlorophenol (continued)							
6.472	6.472	(0.903)	198	101409			64.33- 124.33	94.76
6.472	6.472	(0.903)	97	62368			27.55- 87.55	58.28
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.515	6.514	(0.909)	172	336254	45.0000	45.0	80.00- 120.00	100.00
6.515	6.514	(0.909)	171	112883			4.90- 64.90	33.57
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.611	6.610	(0.922)	162	278955	45.0000	45.2	80.00- 120.00	100.00
6.611	6.610	(0.922)	164	89001			1.75- 61.75	31.91
6.610	6.610	(0.922)	127	106544			8.71- 68.71	38.19
	63 2-Nitroaniline					CAS #: 88-74-4		
6.740	6.741	(0.940)	65	98245	45.0000	44.6	80.00- 120.00	100.00
6.740	6.741	(0.940)	92	62829			35.13- 95.13	63.95
6.741	6.741	(0.940)	138	87606			59.53- 119.53	89.17
	65 Dimethylphthalate					CAS #: 131-11-3		
6.949	6.950	(0.969)	163	323480	45.0000	44.7	80.00- 120.00	100.00
6.949	6.950	(0.969)	194	18713			0.00- 35.76	5.78
6.949	6.949	(0.969)	164	33022			0.00- 39.66	10.21
	68 Acenaphthylene					CAS #: 208-96-8		
7.020	7.020	(0.979)	152	427379	45.0000	43.2	80.00- 120.00	100.00
7.020	7.020	(0.979)	151	85543			0.00- 50.20	20.02
7.020	7.020	(0.979)	153	55513			0.00- 43.02	12.99
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.015	7.015	(0.978)	165	76311	45.0000	43.7	80.00- 120.00	100.00
7.015	7.015	(0.978)	89	53166			39.45- 99.45	69.67
7.016	7.016	(0.978)	63	79747			74.66- 134.66	104.50
	69 3-Nitroaniline					CAS #: 99-09-2		
7.145	7.146	(0.997)	138	70097	45.0000	44.2	80.00- 120.00	100.00
7.146	7.146	(0.997)	108	8469			0.00- 42.35	12.08
7.145	7.145	(0.996)	92	94985			104.62- 164.62	135.51
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.170	7.167	(1.000)	164	204923	40.0000		80.00- 120.00	100.00
7.170	7.168	(1.000)	162	193527			66.12- 126.12	94.44
7.170	7.167	(1.000)	160	85850			13.21- 73.21	41.89
	71 Acenaphthene					CAS #: 83-32-9		
7.201	7.201	(1.004)	154	247945	45.0000	44.2	80.00- 120.00	100.00
7.201	7.200	(1.004)	153	263913			77.18- 137.18	106.44
7.201	7.200	(1.004)	152	125381			21.21- 81.21	50.57
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.242	7.243	(1.010)	184	41229	45.0000	45.5	80.00- 120.00	100.00
7.241	7.242	(1.010)	63	31652			48.18- 108.18	76.77
7.242	7.242	(1.010)	154	26489			33.05- 93.05	64.25

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.303	7.303	(1.019)	109	58571	45.0000	40.7	80.00- 120.00	100.00
7.303	7.303	(1.019)	139	57505			61.80- 121.80	98.18
7.303	7.303	(1.018)	65	67981			80.41- 140.41	116.07
75 Dibenzofuran						CAS #: 132-64-9		
7.354	7.355	(1.026)	168	377989	45.0000	43.7	80.00- 120.00	100.00
7.354	7.355	(1.026)	139	153683			10.69- 70.69	40.66
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.392	7.392	(1.031)	165	91641	45.0000	42.8	80.00- 120.00	100.00
7.391	7.392	(1.031)	63	48606			23.55- 83.55	53.04
7.392	7.392	(1.031)	89	76144			51.82- 111.82	83.09
80 Diethylphthalate						CAS #: 84-66-2		
7.640	7.640	(1.066)	149	308997	45.0000	42.8	80.00- 120.00	100.00
7.640	7.640	(1.066)	177	67639			0.00- 51.79	21.89
7.640	7.640	(1.065)	150	37621			0.00- 42.28	12.18
81 Fluorene						CAS #: 86-73-7		
7.690	7.690	(1.073)	166	330384	45.0000	42.2	80.00- 120.00	100.00
7.690	7.690	(1.073)	165	311473			61.04- 121.04	94.28
7.690	7.690	(1.073)	167	45187			0.00- 43.06	13.68
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.690	7.690	(1.073)	204	176629	45.0000	43.0	80.00- 120.00	100.00
7.690	7.690	(1.073)	206	57143			2.85- 62.85	32.35
7.690	7.690	(1.072)	141	108014			29.43- 89.43	61.15
84 4-Nitroaniline						CAS #: 100-01-6		
7.747	7.750	(1.080)	138	62379	45.0000	42.4	80.00- 120.00	100.00
7.747	7.749	(1.080)	92	36460			30.30- 90.30	58.45
7.747	7.749	(1.080)	108	73484			85.44- 145.44	117.80
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.789	7.790	(0.905)	198	62562	45.0000	43.3	80.00- 120.00	100.00
7.788	7.789	(0.905)	51	32613			21.07- 81.07	52.13
7.788	7.789	(0.905)	105	27290			14.43- 74.43	43.62
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.813	7.814	(0.908)	169	205359	45.0000	45.7	80.00- 120.00	100.00
7.813	7.815	(0.908)	168	143288			41.33- 101.33	69.77
7.813	7.815	(0.908)	167	71236			5.93- 65.93	34.69
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.845	7.845	(1.094)	77	360398	45.0000	43.4	80.00- 120.00	100.00
7.845	7.845	(1.094)	105	49646			0.00- 44.08	13.78
7.845	7.845	(1.094)	182	85412			0.00- 53.69	23.70
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.945	7.946	(1.108)	330	114308	90.0000	82.8	80.00- 120.00	100.00
7.945	7.946	(1.108)	332	109616			65.21- 125.21	95.90
7.945	7.945	(1.108)	141	46681			10.78- 70.78	40.84

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.163	8.163 (0.949)		248	101304	45.0000	45.6	80.00- 120.00	100.00
8.163	8.163 (0.949)		250	97440			66.63- 126.63	96.19
8.162	8.162 (0.949)		141	78918			49.24- 109.24	77.90
94 Hexachlorobenzene						CAS #: 118-74-1		
8.307	8.307 (0.966)		284	112087	45.0000	44.3	80.00- 120.00	100.00
8.306	8.307 (0.966)		142	42795			10.52- 70.52	38.18
8.307	8.307 (0.966)		249	33587			1.60- 61.60	29.97
96 Pentachlorophenol						CAS #: 87-86-5		
8.480	8.480 (0.986)		266	67089	45.0000	45.0	80.00- 120.00	100.00
8.480	8.481 (0.986)		264	42382			33.54- 93.54	63.17
8.480	8.481 (0.986)		268	42821			34.39- 94.39	63.83
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.603	8.604 (1.000)		188	343898	40.0000		80.00- 120.00	100.00
8.603	8.604 (1.000)		94	37422			0.00- 40.39	10.88
8.603	8.603 (1.000)		80	41006			0.00- 41.55	11.92
101 Phenanthrene						CAS #: 85-01-8		
8.626	8.626 (1.003)		178	427943	45.0000	44.2	80.00- 120.00	100.00
8.626	8.626 (1.003)		179	65051			0.00- 45.20	15.20
8.626	8.626 (1.003)		176	81851			0.00- 48.69	19.13
103 Anthracene						CAS #: 120-12-7		
8.669	8.670 (1.008)		178	380839	45.0000	44.0	80.00- 120.00	100.00
8.669	8.670 (1.008)		179	58380			0.00- 45.53	15.33
8.669	8.670 (1.008)		176	69560			0.00- 49.11	18.26
104 Carbazole						CAS #: 86-74-8		
8.829	8.830 (1.026)		167	390179	45.0000	45.4	80.00- 120.00	100.00
8.829	8.830 (1.026)		139	52706			0.00- 43.72	13.51
8.829	8.830 (1.026)		83	35967			0.00- 39.70	9.22
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.226	9.227 (1.072)		149	534462	45.0000	44.8	80.00- 120.00	100.00
9.226	9.227 (1.072)		150	47319			0.00- 39.16	8.85
9.226	9.227 (1.072)		104	34379			0.00- 36.36	6.43
109 Fluoranthene						CAS #: 206-44-0		
9.795	9.797 (1.139)		202	479681	45.0000	44.3	80.00- 120.00	100.00
9.795	9.796 (1.139)		101	55805			0.00- 41.60	11.63
9.795	9.797 (1.139)		203	80345			0.00- 47.37	16.75
111 Pyrene						CAS #: 129-00-0		
10.016	10.016 (0.893)		202	479908	45.0000	45.8	80.00- 120.00	100.00
10.015	10.016 (0.893)		200	98320			0.00- 50.33	20.49
10.015	10.016 (0.893)		203	85167			0.00- 47.92	17.75
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.179	10.179 (0.908)		244	373530	45.0000	45.0	80.00- 120.00	100.00
10.177	10.178 (0.908)		122	40343			0.00- 40.67	10.80

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.178	10.179	(0.908)	212	28319			0.00- 37.92	7.58
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.691	10.690	(0.953)	149	235873	45.0000	44.3	80.00- 120.00	100.00
10.691	10.691	(0.953)	91	177779			45.72- 105.72	75.37
10.691	10.692	(0.953)	206	51193			0.00- 51.71	21.70
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.194	11.194	(0.998)	228	464366	45.0000	43.4	80.00- 120.00	100.00
11.194	11.194	(0.998)	229	92014			0.00- 49.13	19.81
11.194	11.194	(0.998)	226	123585			0.00- 57.06	26.61
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.213	11.211	(1.000)	240	389232	40.0000		80.00- 120.00	100.00
11.212	11.210	(1.000)	120	39830			0.00- 40.02	10.23
11.213	11.210	(1.000)	236	95070			0.00- 54.50	24.43
123 Chrysene						CAS #: 218-01-9		
11.236	11.238	(1.002)	228	454203	45.0000	43.7	80.00- 120.00	100.00
11.237	11.238	(1.002)	226	131801			0.00- 59.08	29.02
11.236	11.238	(1.002)	229	89670			0.00- 49.34	19.74
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.275	11.275	(1.006)	149	319489	45.0000	43.3	80.00- 120.00	100.00
11.275	11.276	(1.006)	167	96133			0.00- 59.84	30.09
11.276	11.276	(1.006)	279	23642			0.00- 37.67	7.40
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.842	11.842	(0.945)	149	557912	45.0000	48.5	80.00- 120.00	100.00
11.842	11.843	(0.945)	167	8532			0.00- 31.49	1.53
11.842	11.842	(0.945)	43	48697			0.00- 38.92	8.73
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.198	12.198	(0.973)	252	426979	45.0000	43.0	80.00- 120.00	100.00
12.198	12.198	(0.973)	253	93622			0.00- 52.25	21.93
12.219	12.219	(0.975)	125	79012			0.00- 48.56	18.50
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.220	12.220	(0.975)	252	463277	45.0000	42.0	80.00- 120.00	100.00
12.220	12.220	(0.975)	253	100897			0.00- 52.11	21.78
12.219	12.219	(0.975)	125	79013			0.00- 46.79	17.06
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.482	12.484	(0.996)	252	409025	45.0000	42.8	80.00- 120.00	100.00
12.482	12.484	(0.996)	253	93365			0.00- 51.58	22.83
12.481	12.484	(0.996)	125	40106			0.00- 39.66	9.81
* 130 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	344421	40.0000		80.00- 120.00	100.00
12.532	12.533	(1.000)	260	76724			0.00- 52.70	22.28
12.532	12.532	(1.000)	265	73872			0.00- 52.11	21.45

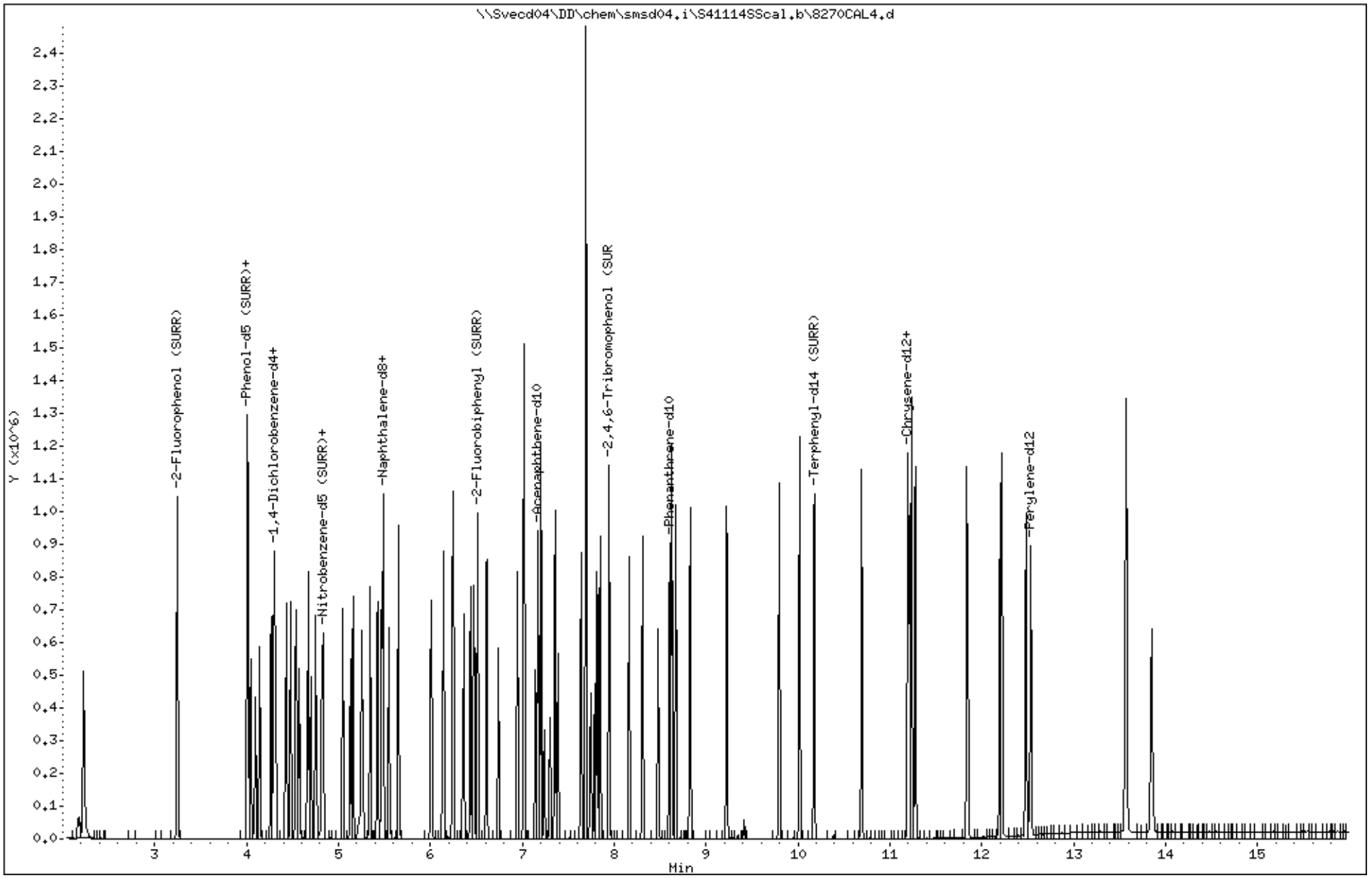
					AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
RT	EXP RT	REL RT	MASS	RESPONSE				
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.569	13.569	(1.083)	276	473914	45.0000	44.8	80.00- 120.00	100.00
13.570	13.570	(1.083)	138	108383			0.00- 53.00	22.87
13.570	13.570	(1.083)	277	119436			0.00- 55.19	25.20
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.574	13.574	(1.083)	278	396036	45.0000	43.7	80.00- 120.00	100.00
13.573	13.573	(1.083)	139	60280			0.00- 45.33	15.22
13.574	13.574	(1.083)	279	90967			0.00- 53.44	22.97
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.852	13.852	(1.105)	276	376725	45.0000	47.0	80.00- 120.00	100.00
13.851	13.852	(1.105)	138	71705			0.00- 48.86	19.03
13.852	13.852	(1.105)	277	90068			0.00- 53.33	23.91

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\smsd04.i\S41114SScal.b\8270CAL4.d
Date : 14-NOV-2012 23:43
Client ID: 8270CAL4
Sample Info: 47766

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

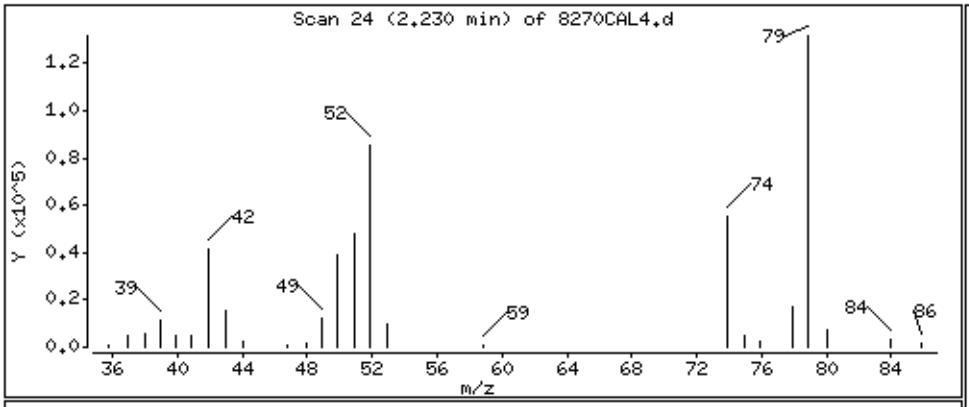
Operator: MJ

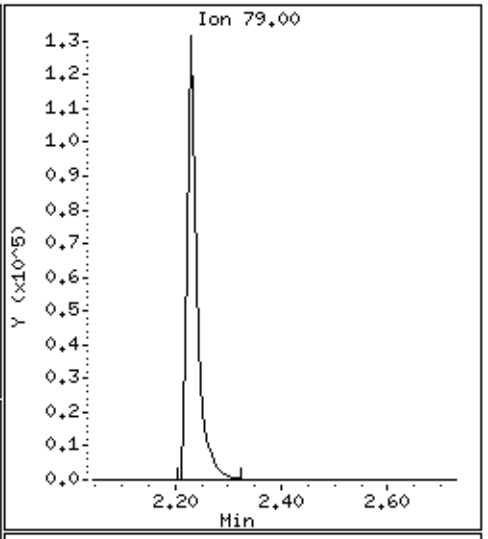
Column phase: HPMS-5

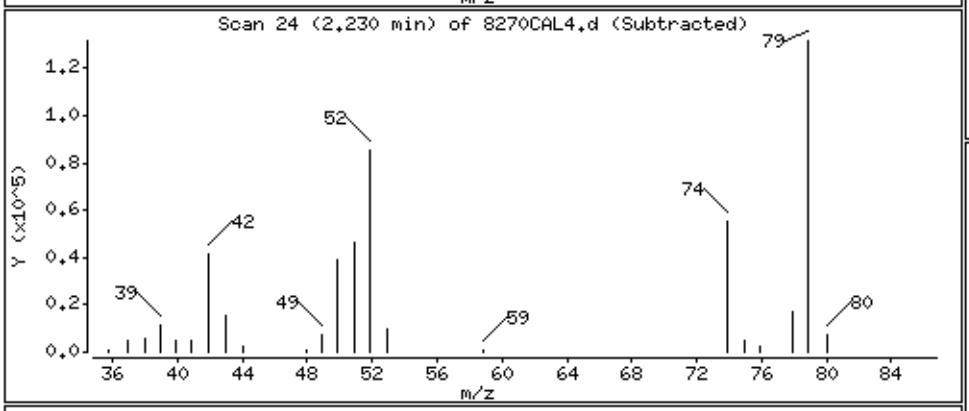
Column diameter: 0.25

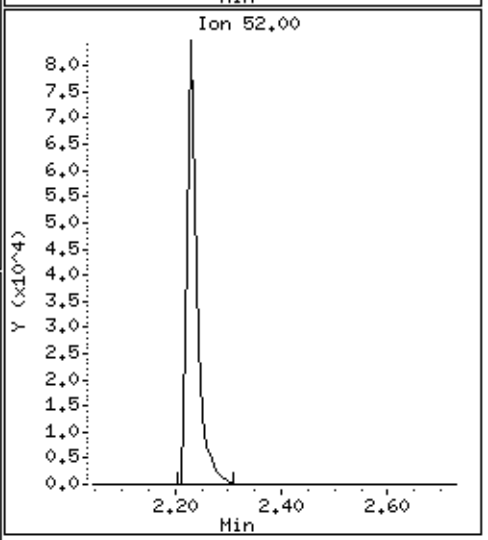
2 Pyridine

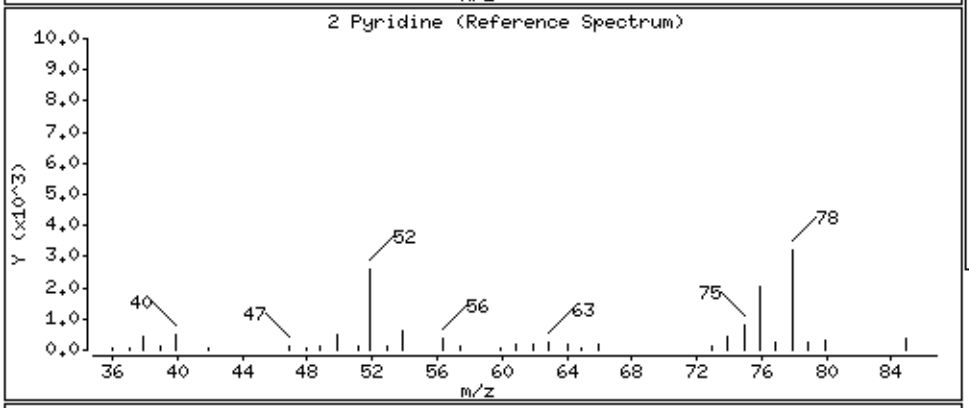
Concentration: 44.7 ug/kg

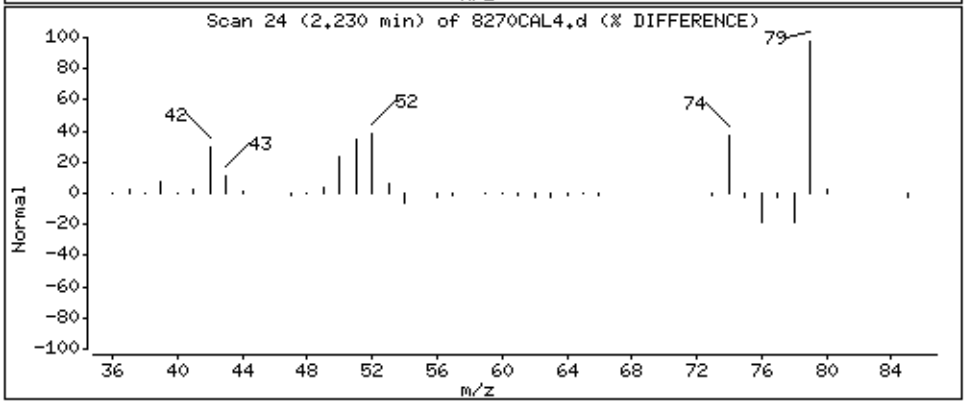












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

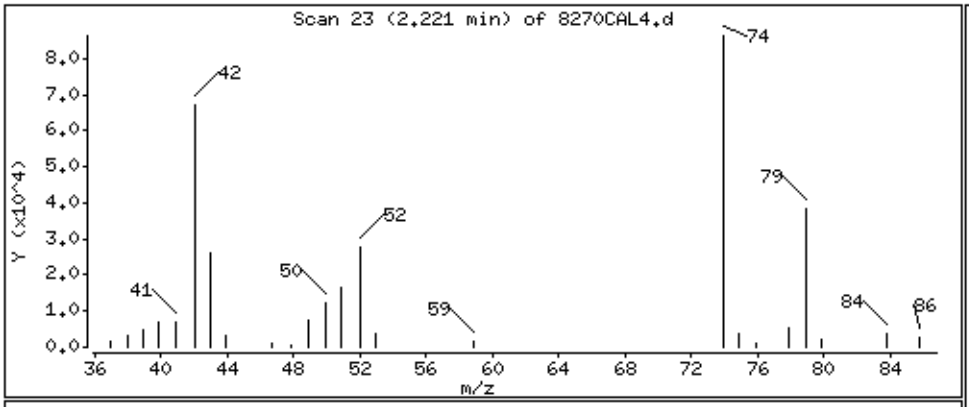
Operator: MJ

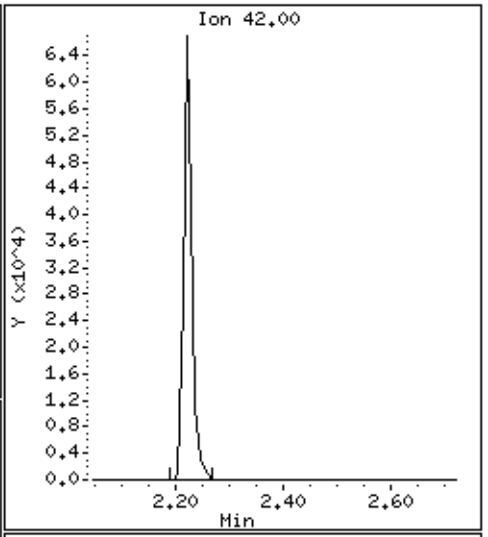
Column phase: HPMS-5

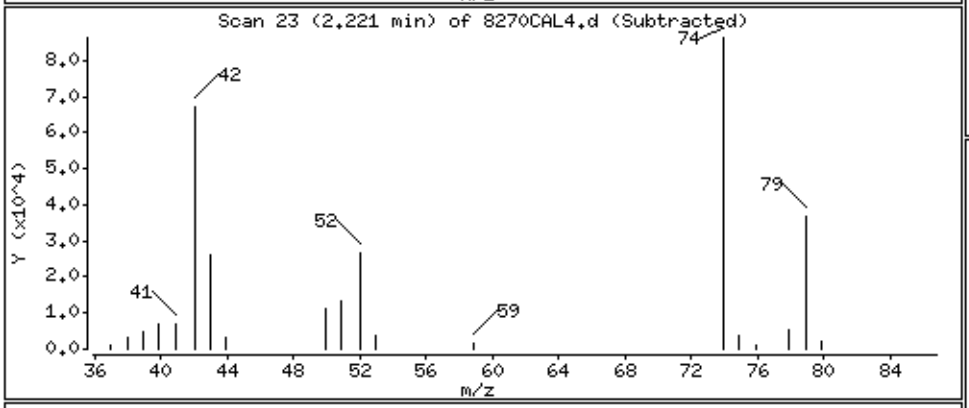
Column diameter: 0.25

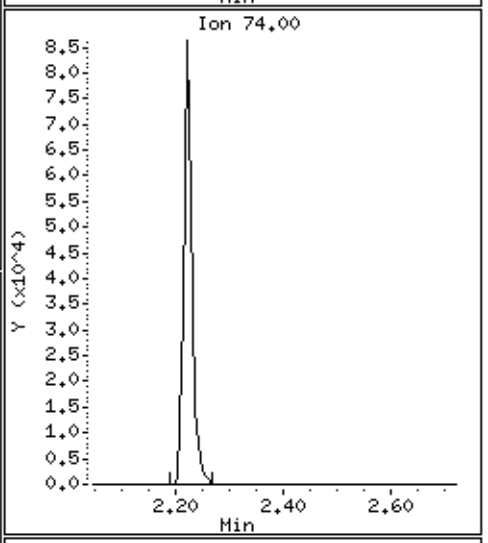
1 N-Nitrosodimethylamine

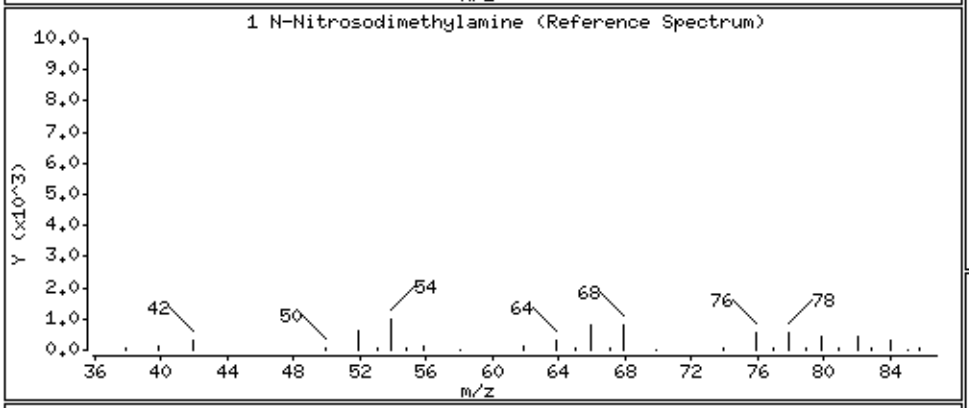
Concentration: 44.6 ug/kg

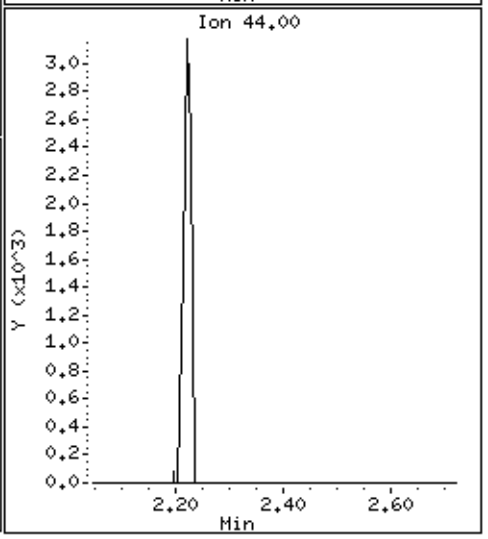


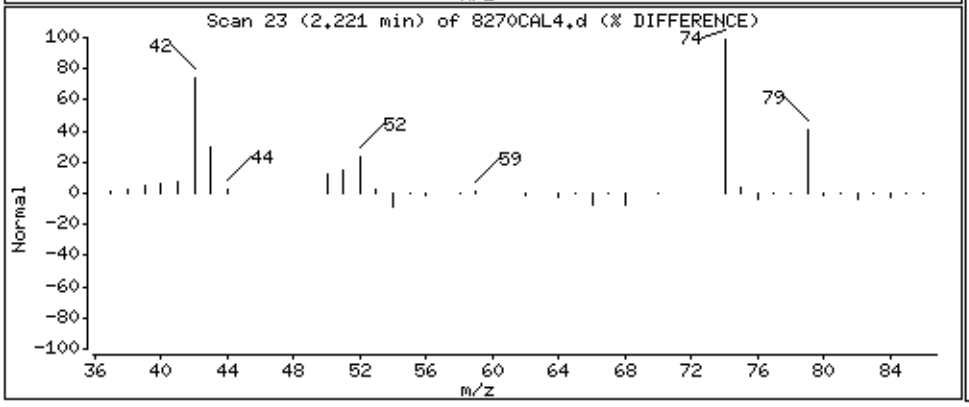












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Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

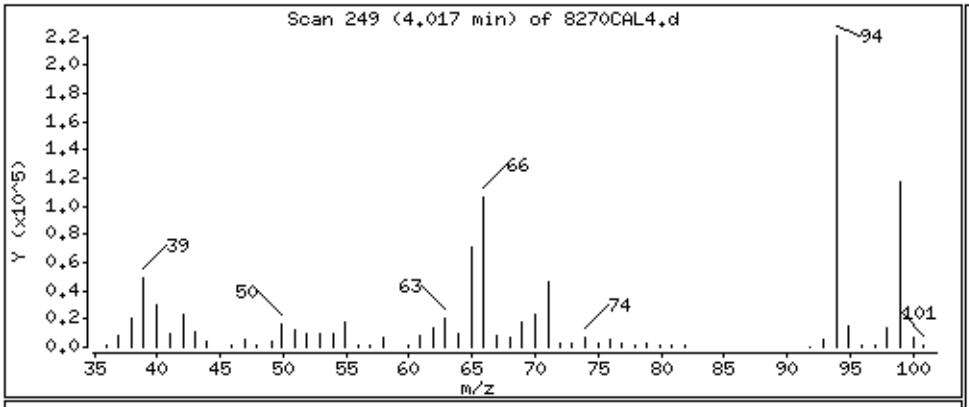
Operator: MJ

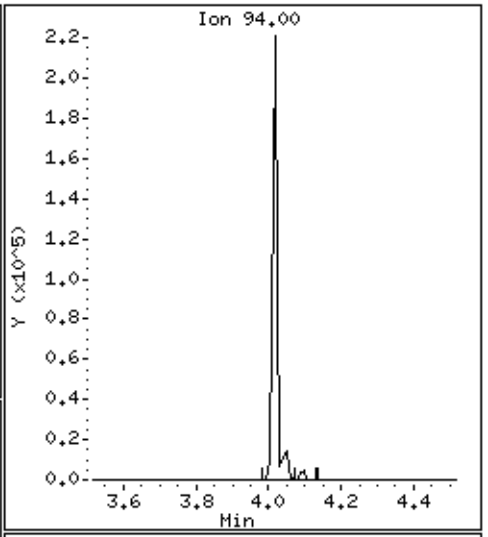
Column phase: HPMS-5

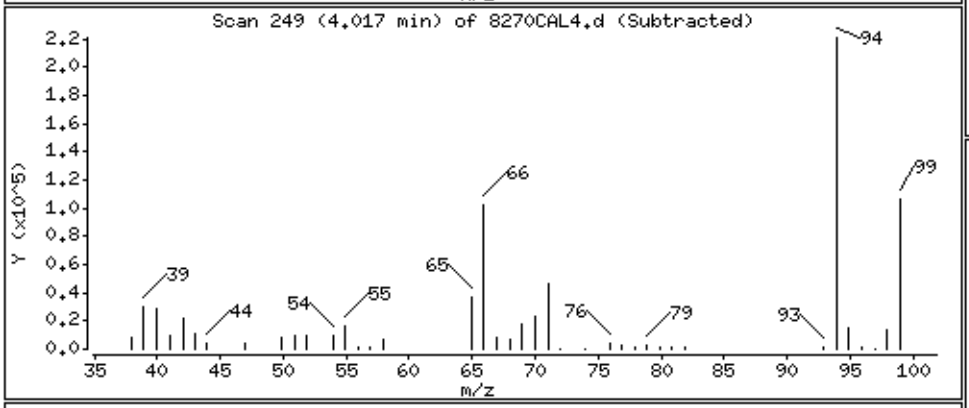
Column diameter: 0.25

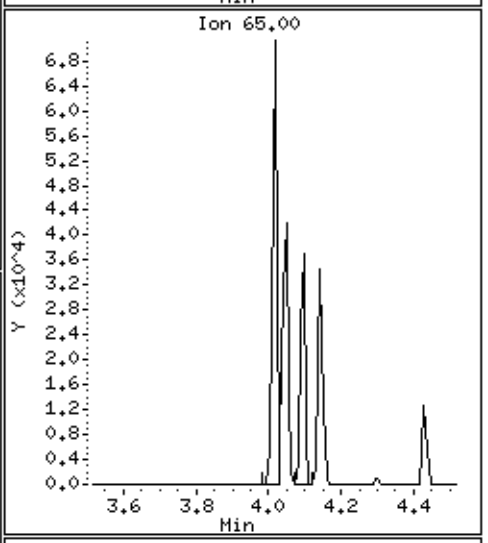
13 Phenol

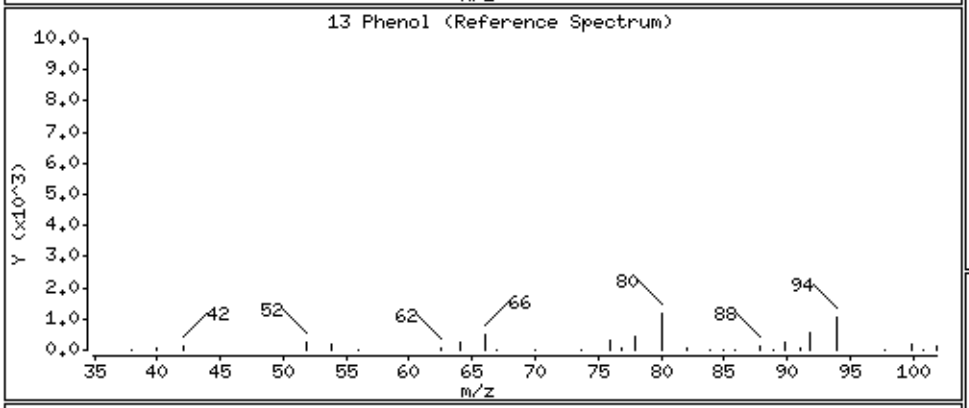
Concentration: 43.8 ug/kg

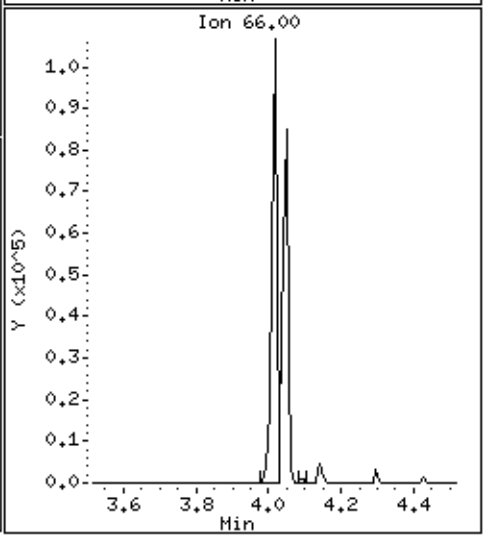


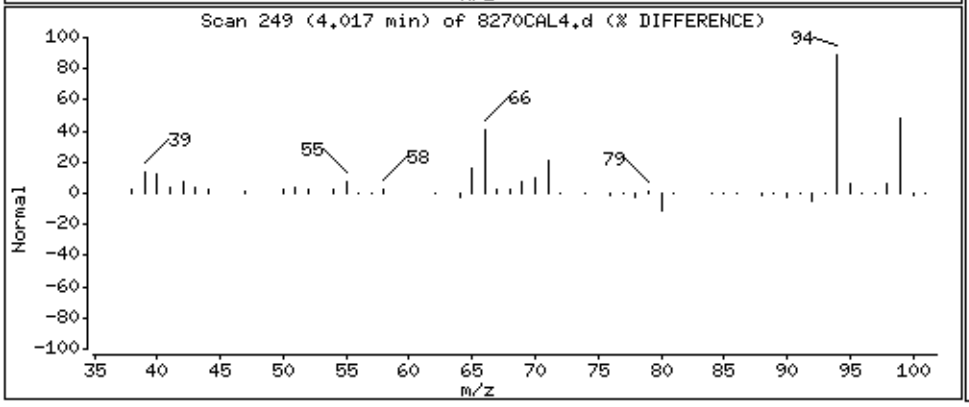












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

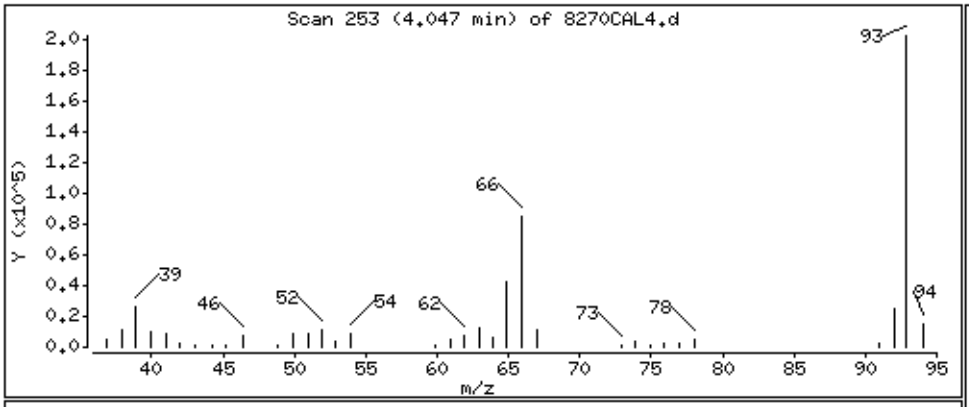
Operator: MJ

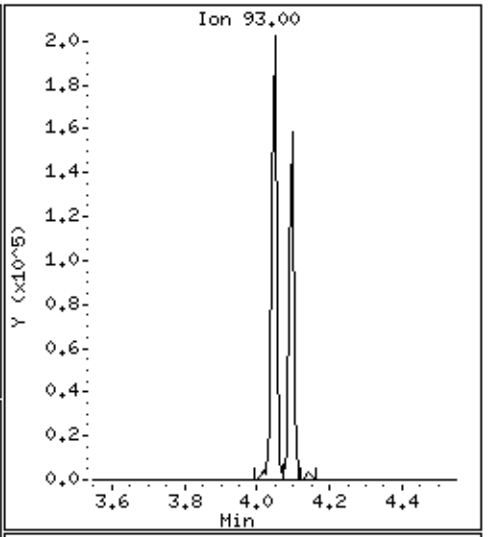
Column phase: HPMS-5

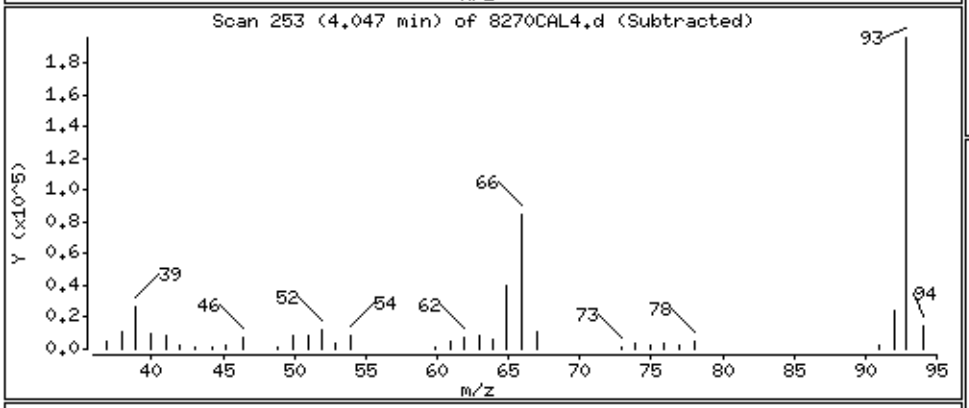
Column diameter: 0.25

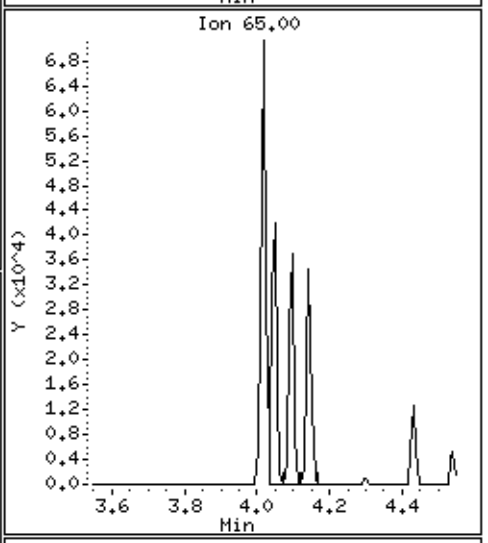
10 Aniline

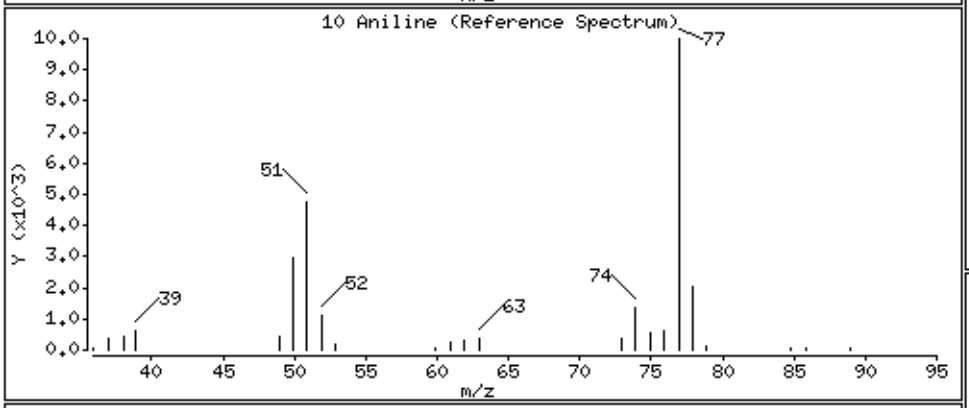
Concentration: 47.5 ug/kg

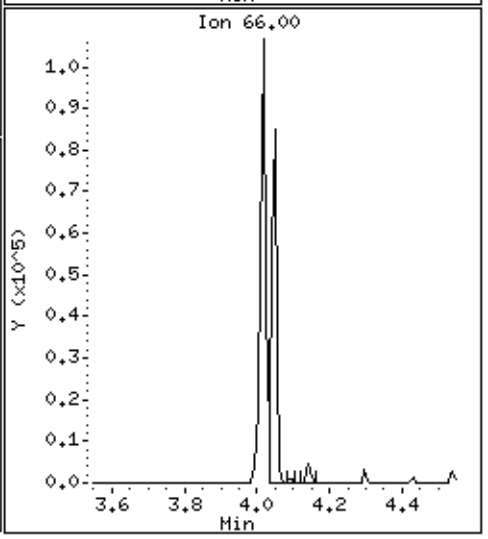


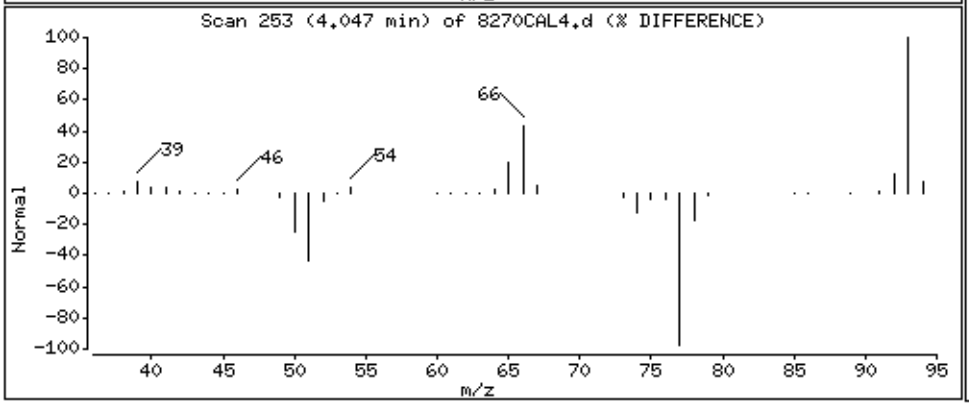












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

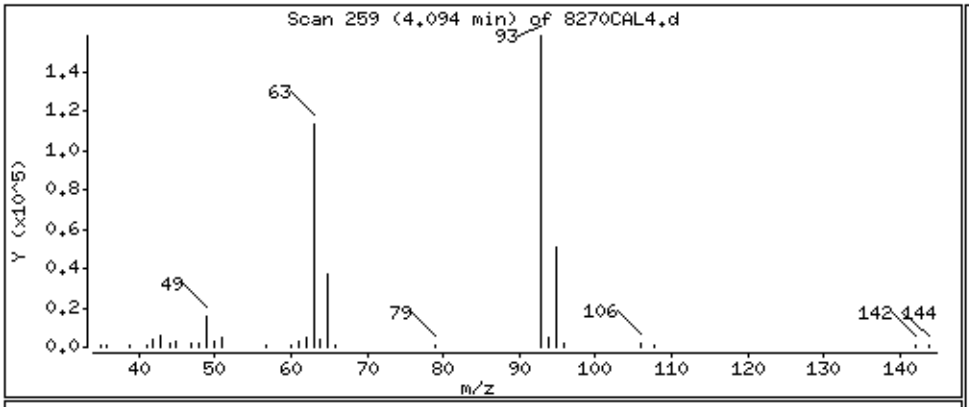
Date : 14-NOV-2012 23:43

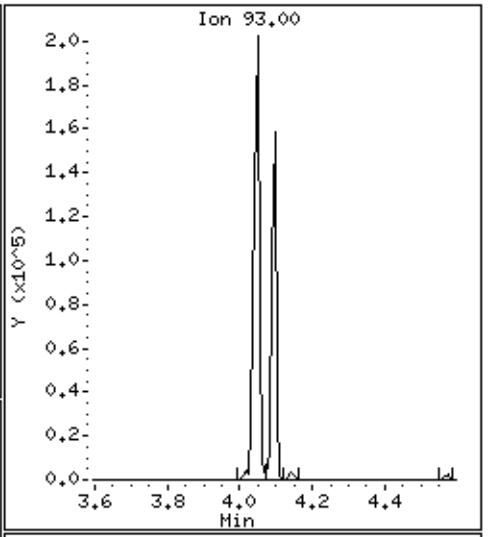
Client ID: 8270CAL4 Instrument: smsd04.i

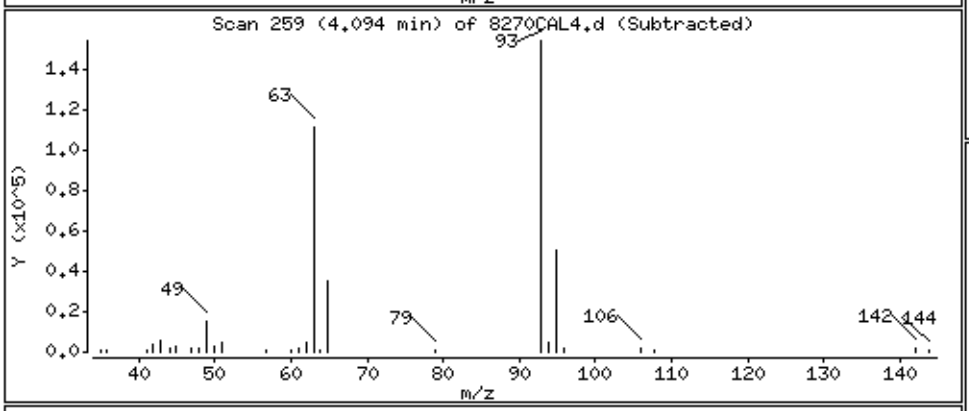
Sample Info: 47766 Operator: MJ

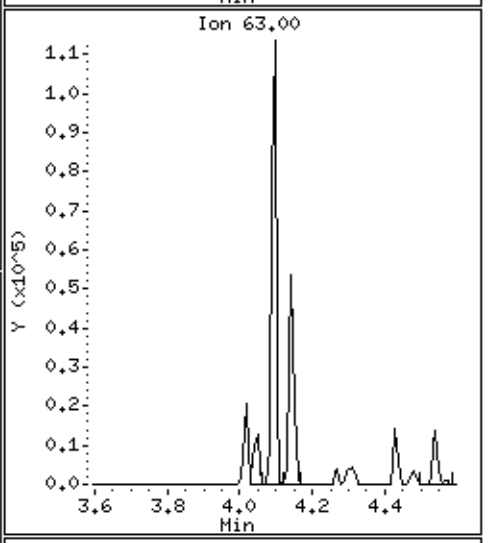
Column phase: HPMS-5 Column diameter: 0.25

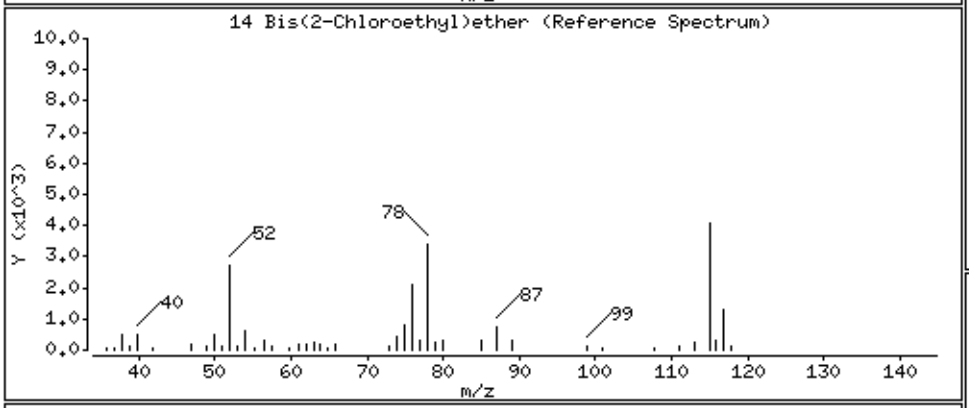
14 Bis(2-Chloroethyl)ether Concentration: 45.6 ug/kg

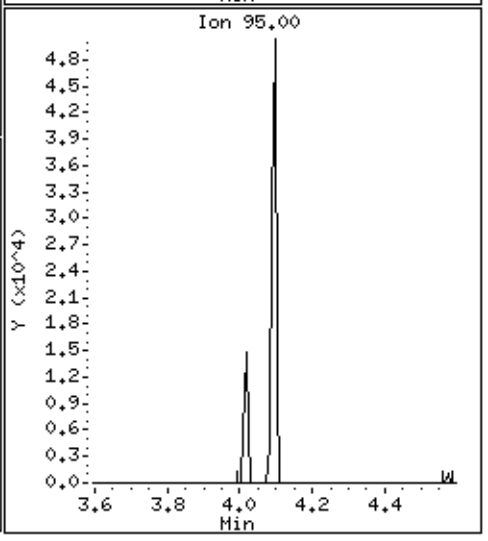


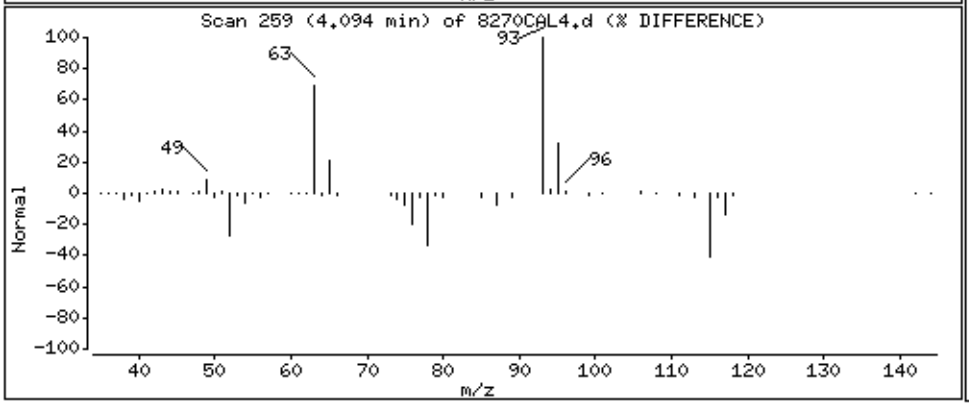












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

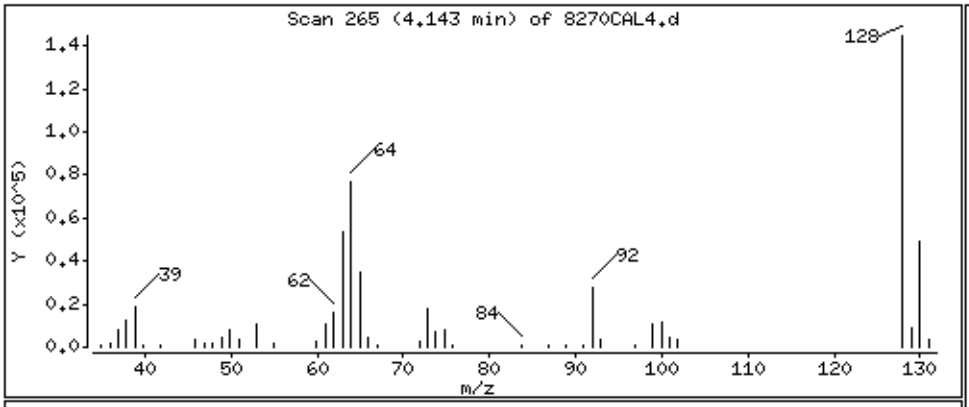
Client ID: 8270CAL4 Instrument: smsd04.i

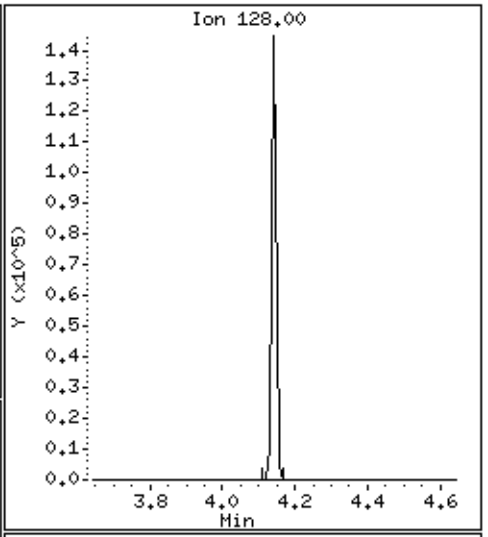
Sample Info: 47766

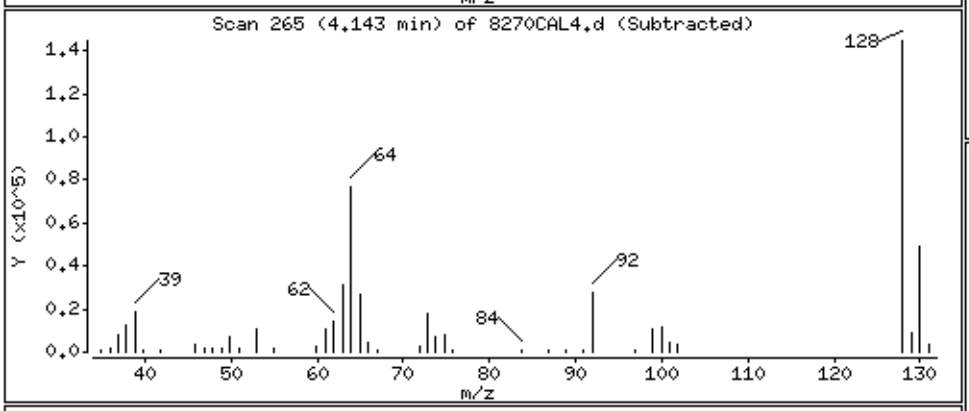
Operator: MJ

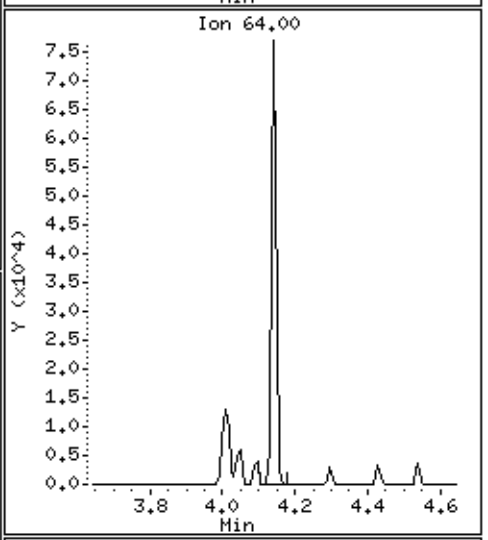
Column phase: HPMS-5 Column diameter: 0.25

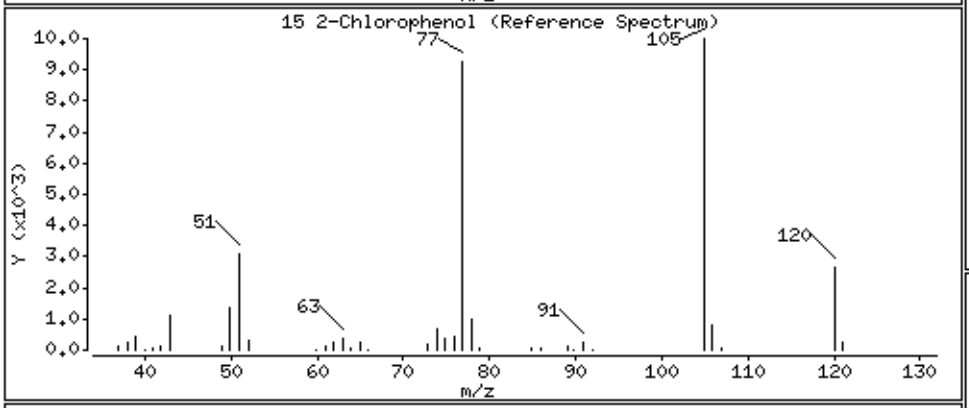
15 2-Chlorophenol Concentration: 44.2 ug/kg

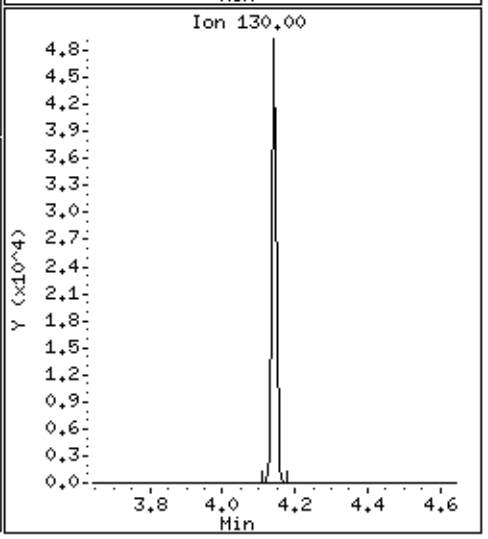


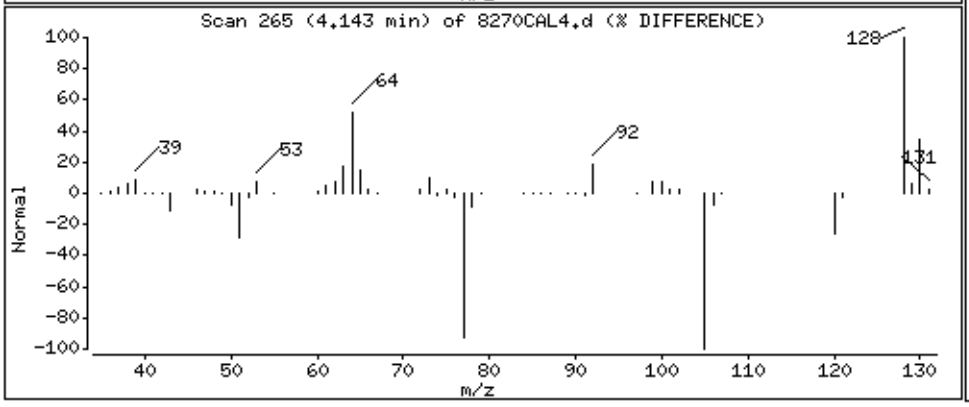












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

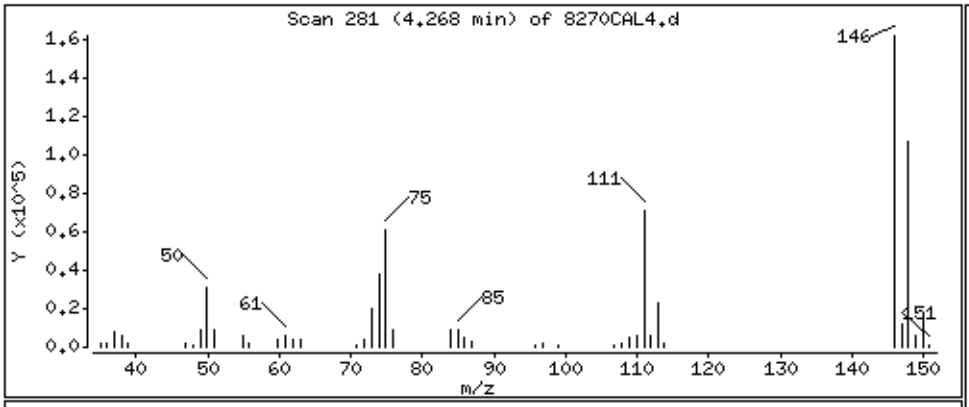
Operator: MJ

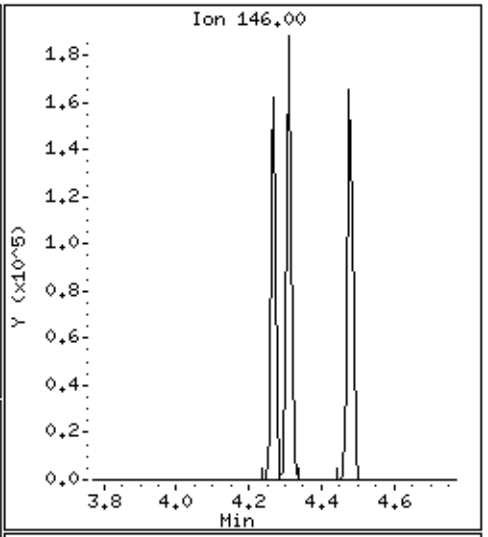
Column phase: HPMS-5

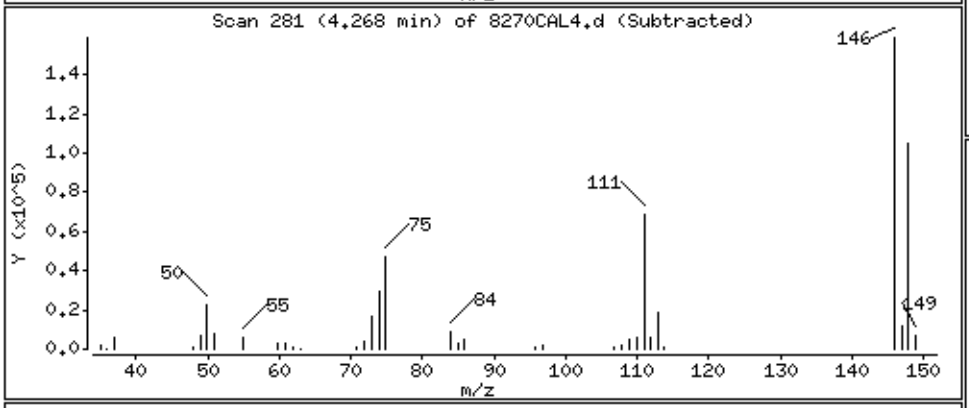
Column diameter: 0.25

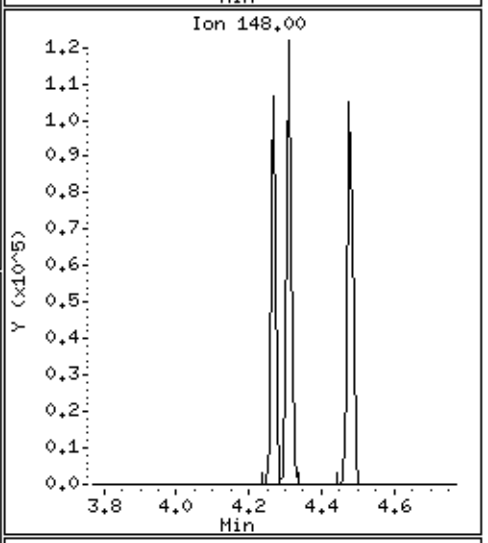
17 1,3-Dichlorobenzene

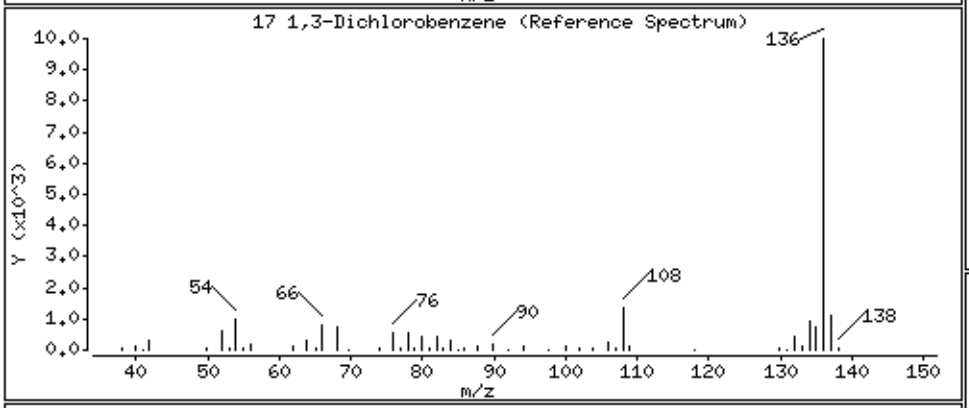
Concentration: 44.4 ug/kg

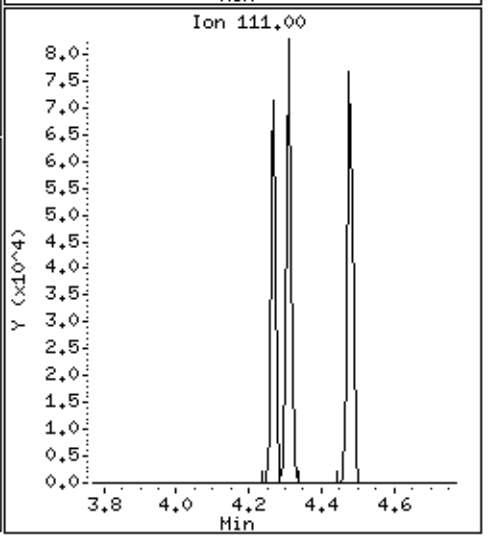


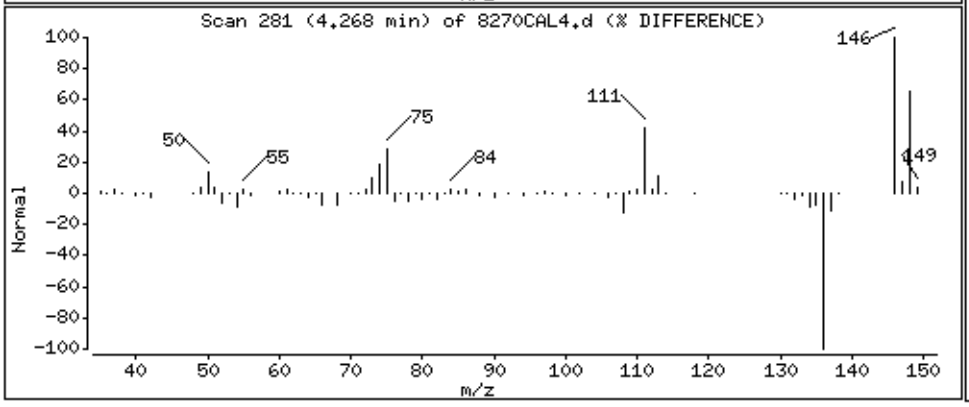












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

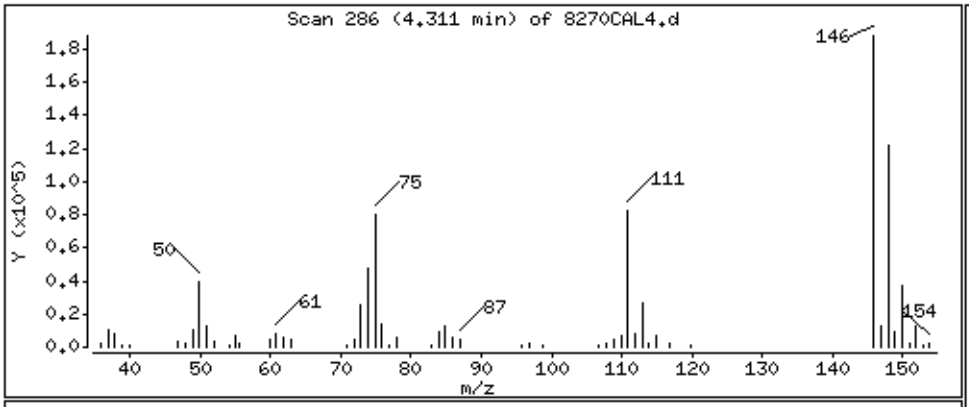
Operator: MJ

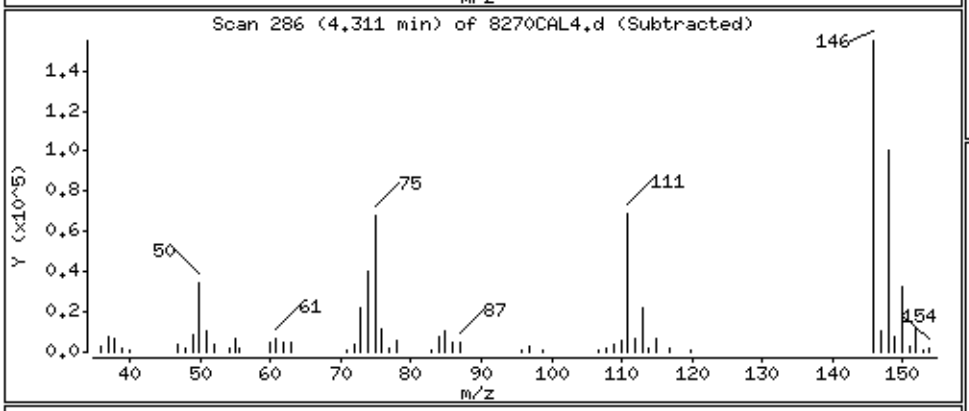
Column phase: HPMS-5

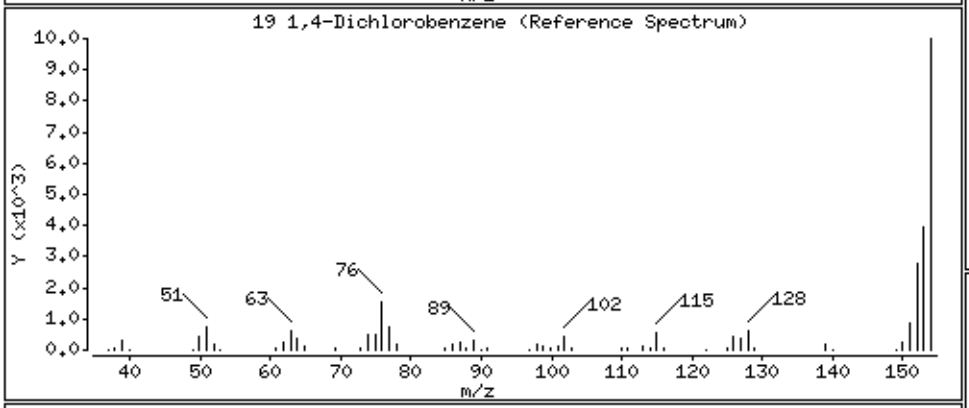
Column diameter: 0.25

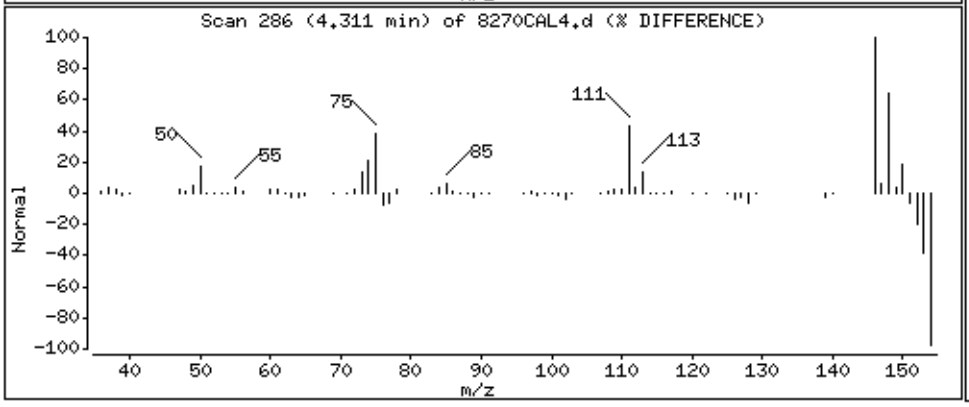
19 1,4-Dichlorobenzene

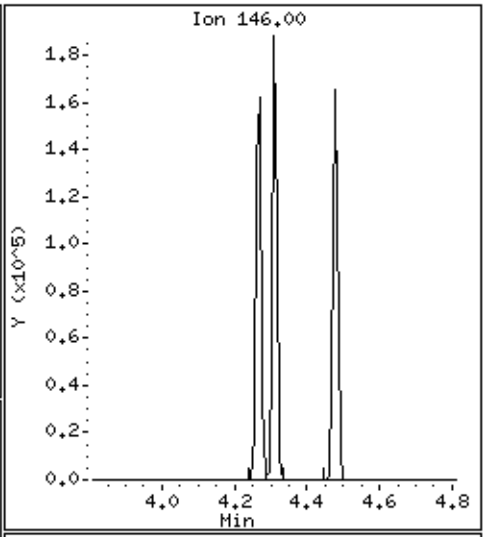
Concentration: 44.6 ug/kg

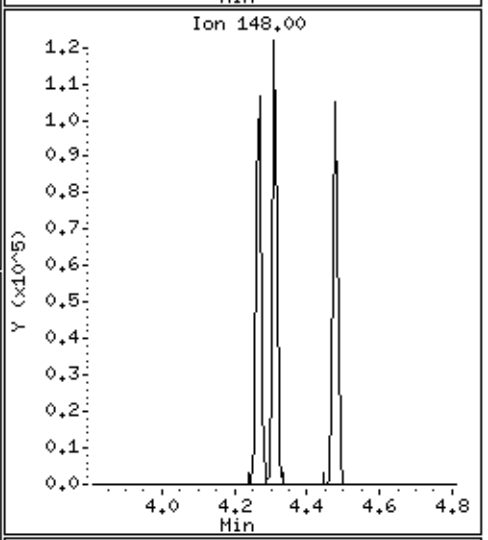


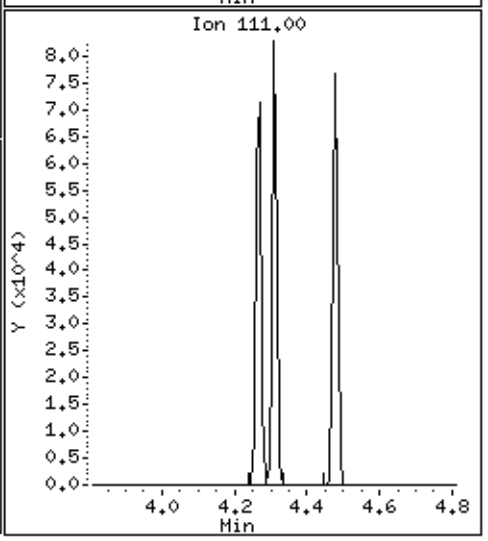












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

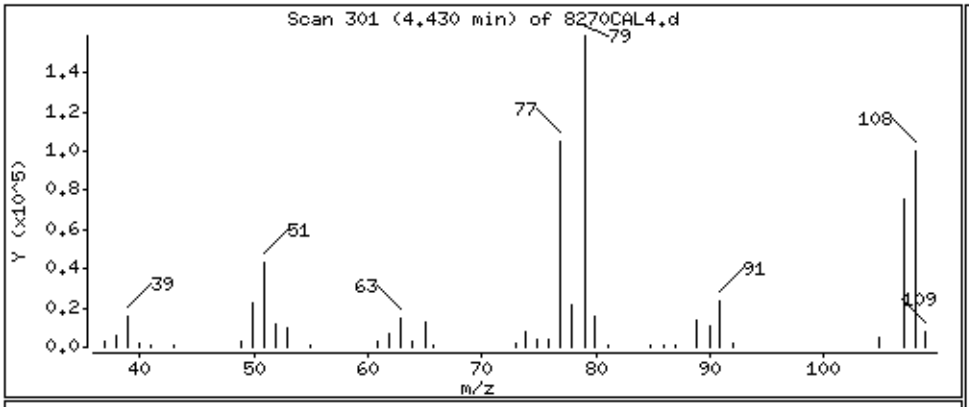
Operator: MJ

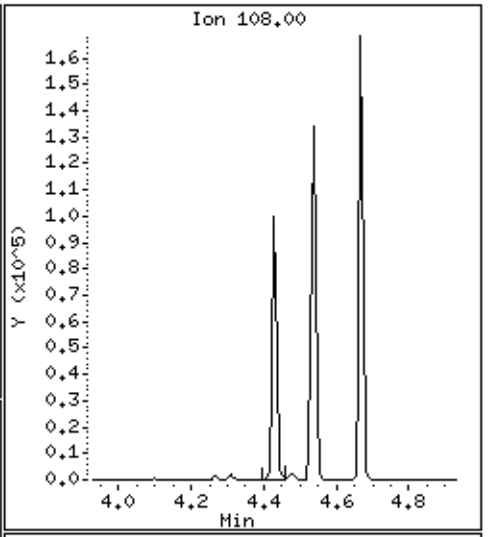
Column phase: HPMS-5

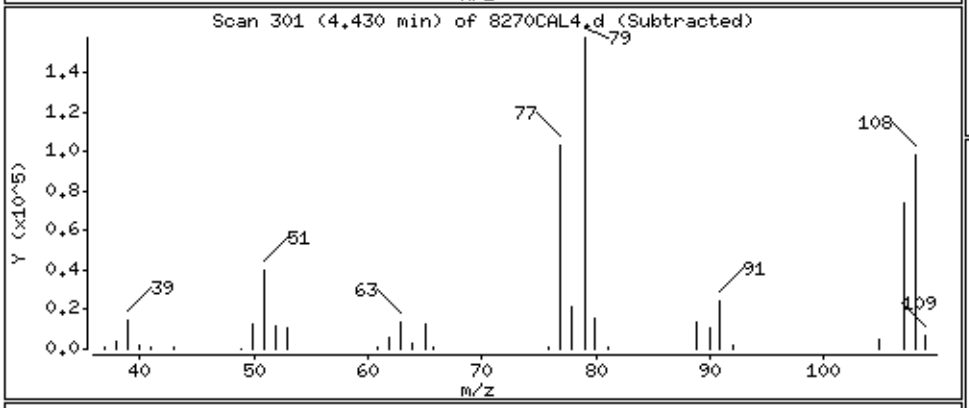
Column diameter: 0.25

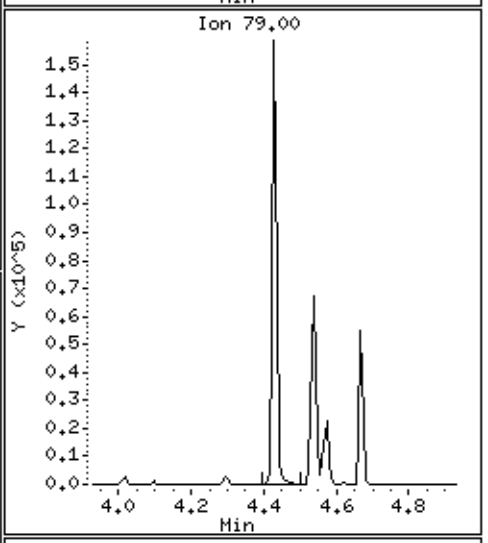
21 Benzyl alcohol

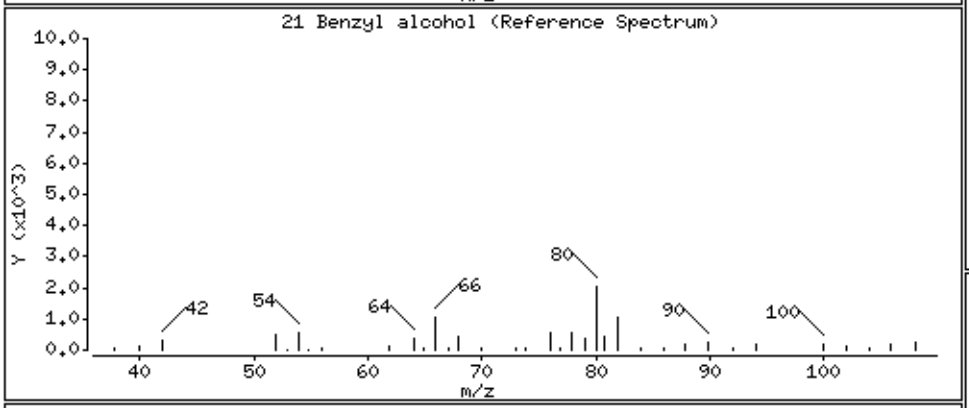
Concentration: 42.7 ug/kg

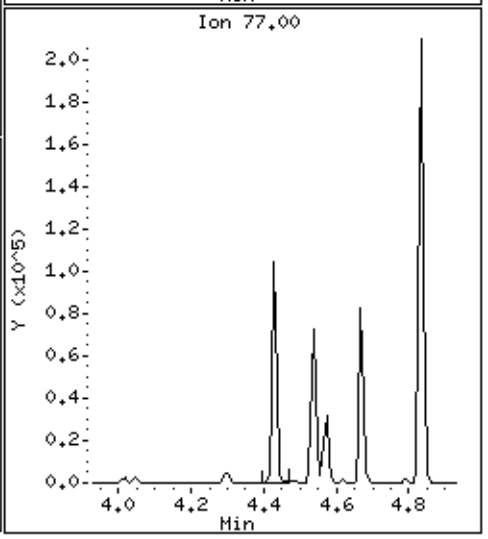


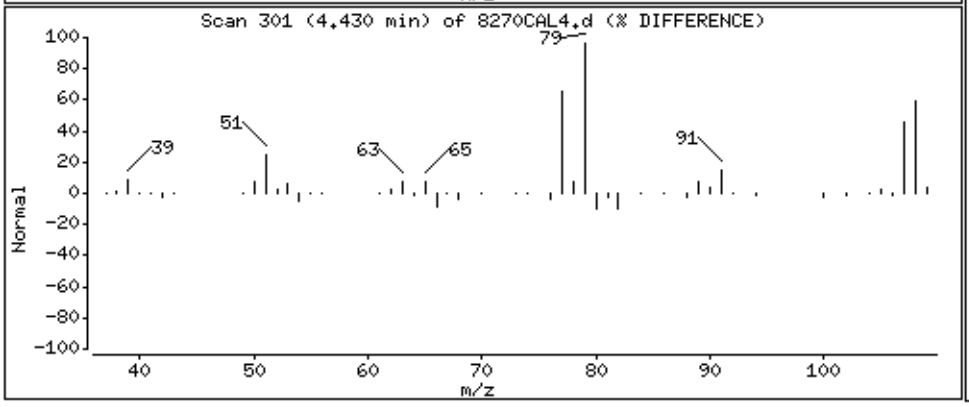












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

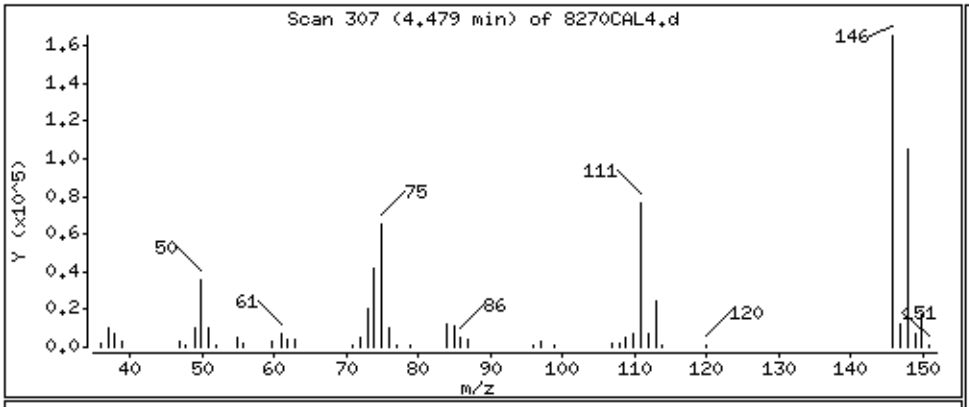
Operator: MJ

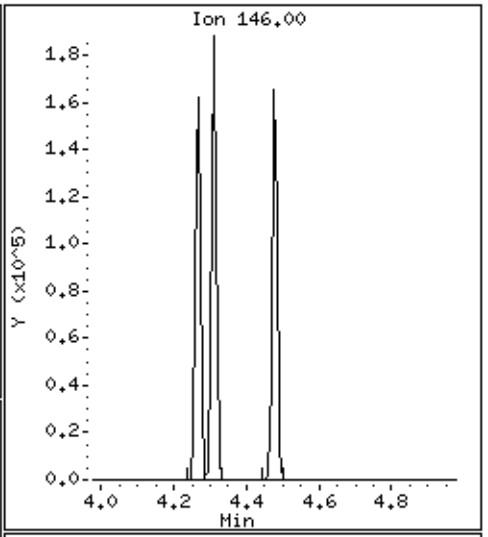
Column phase: HPMS-5

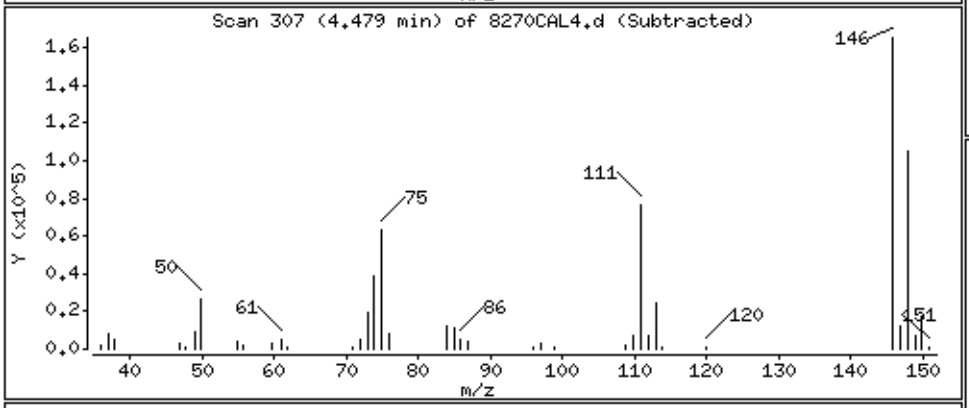
Column diameter: 0.25

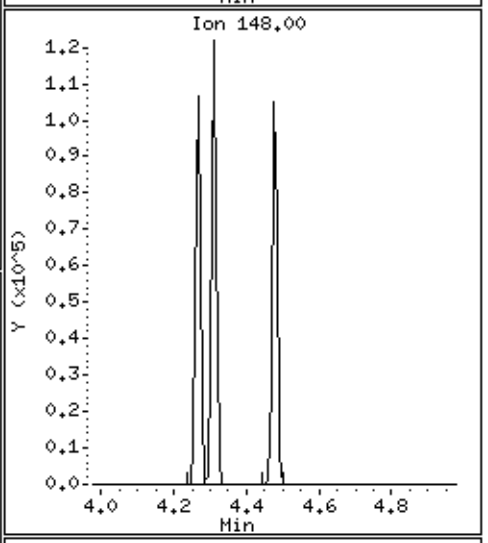
20 1,2-Dichlorobenzene

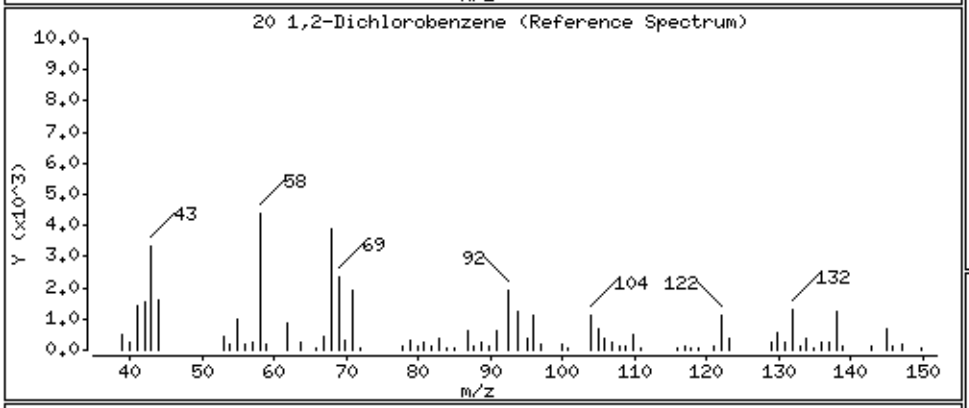
Concentration: 44.2 ug/kg

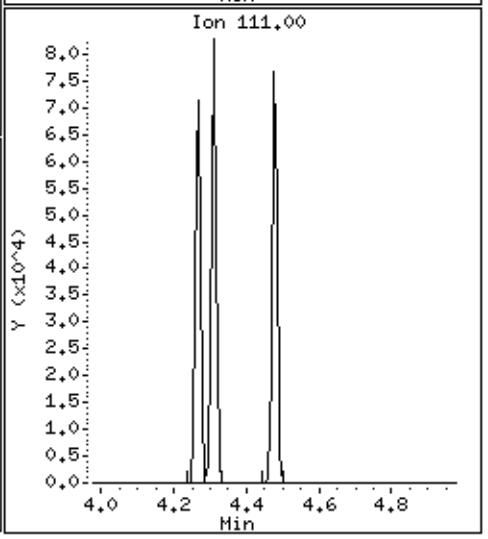


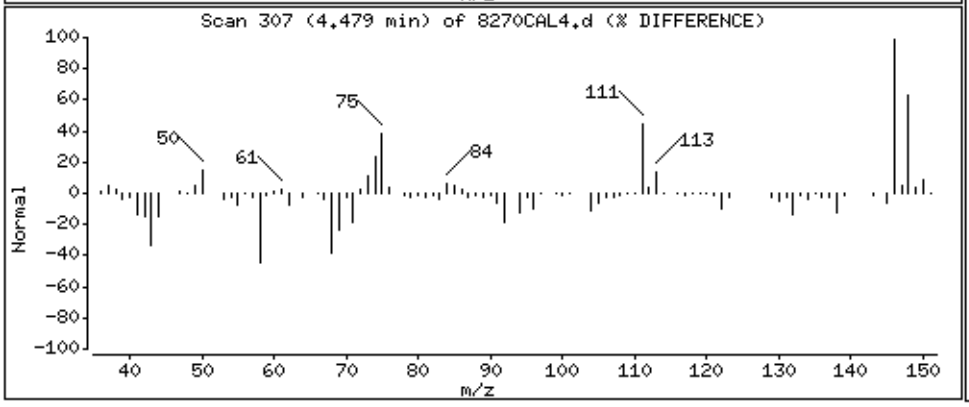












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

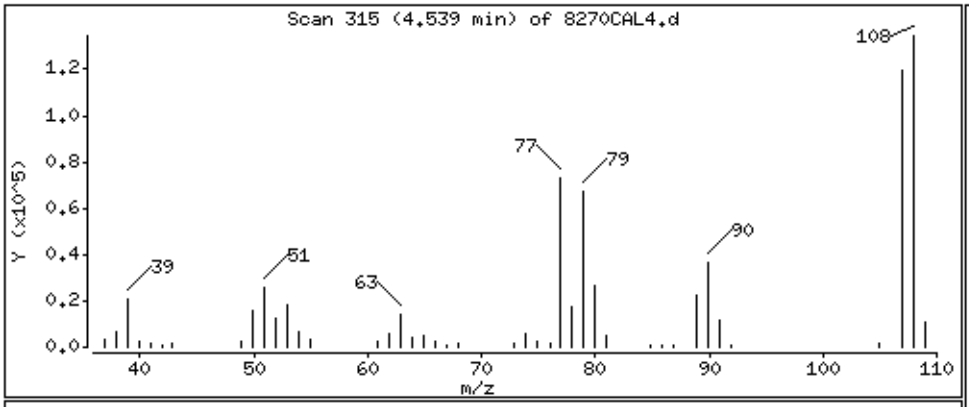
Client ID: 8270CAL4 Instrument: smsd04.i

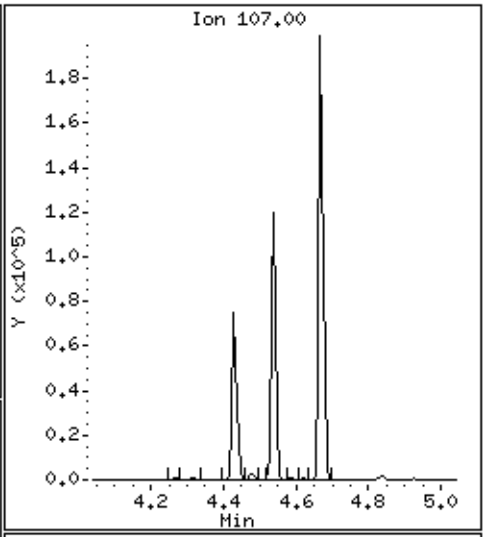
Sample Info: 47766

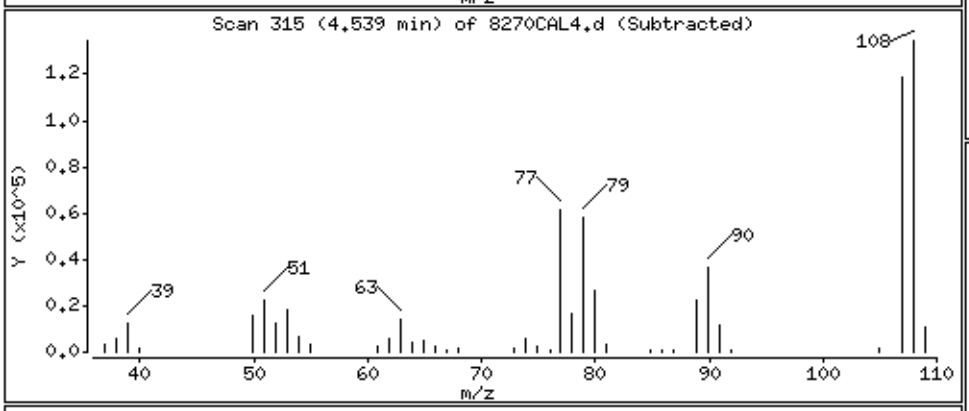
Operator: MJ

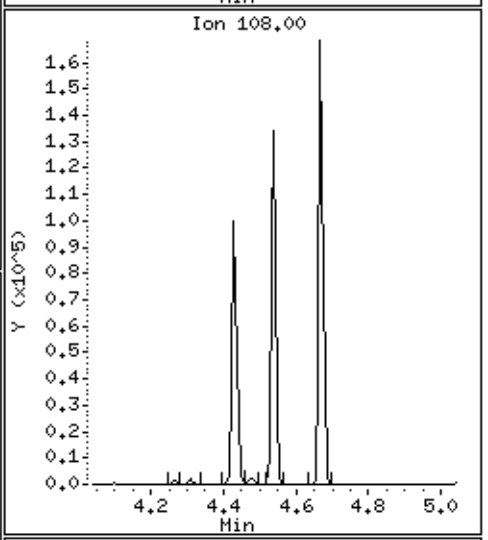
Column phase: HPMS-5 Column diameter: 0.25

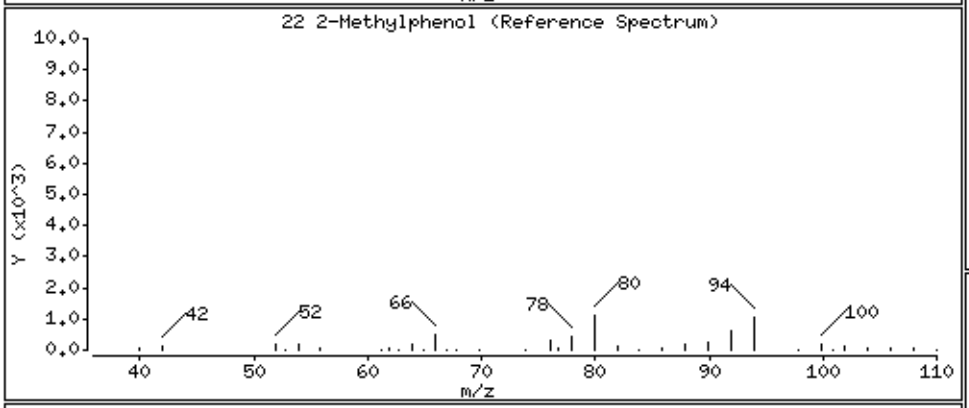
22 2-Methylphenol Concentration: 43.4 ug/kg

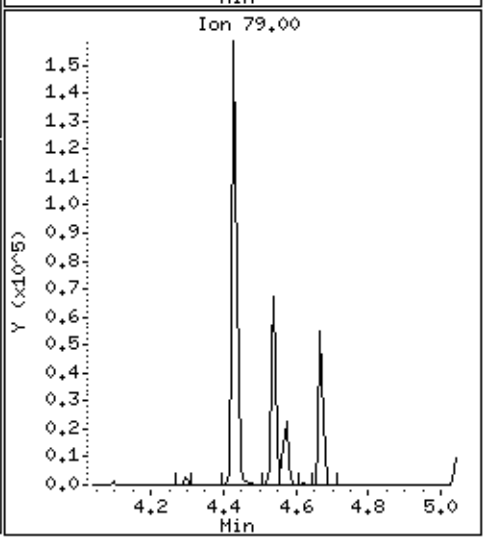


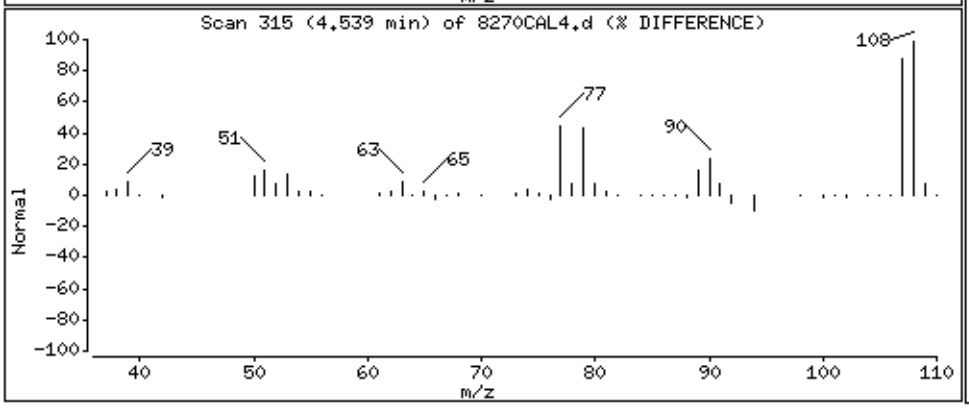












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

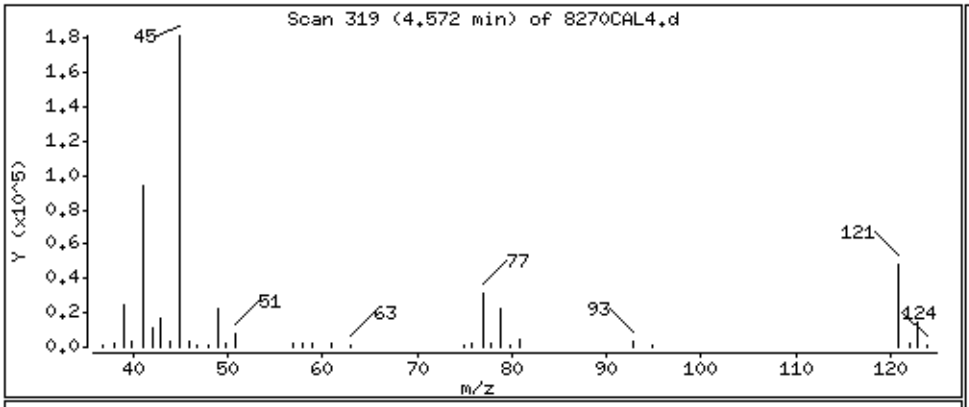
Operator: MJ

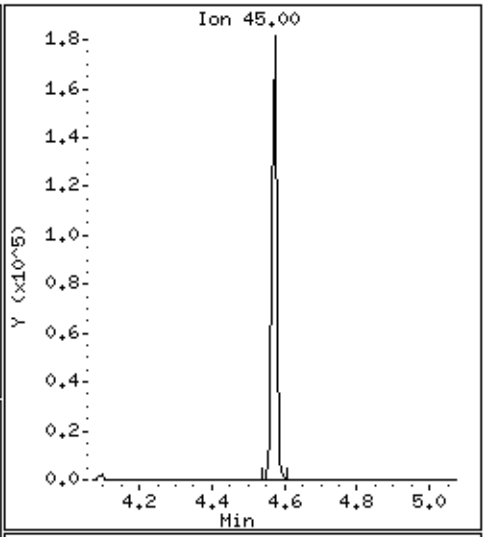
Column phase: HPMS-5

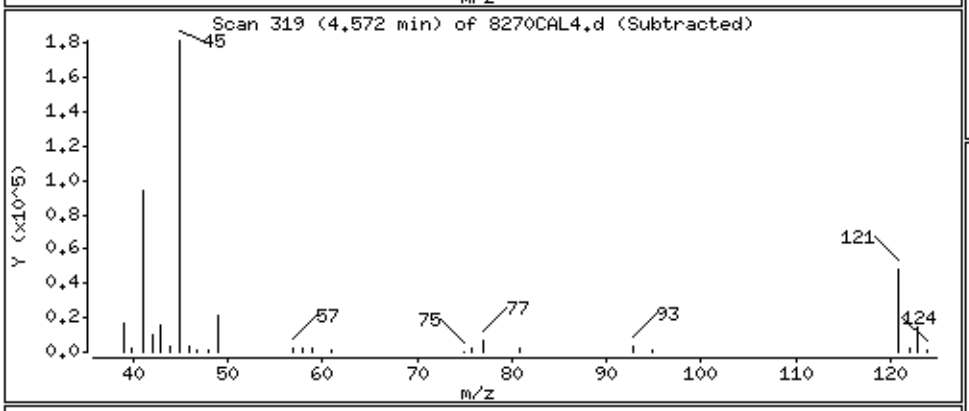
Column diameter: 0.25

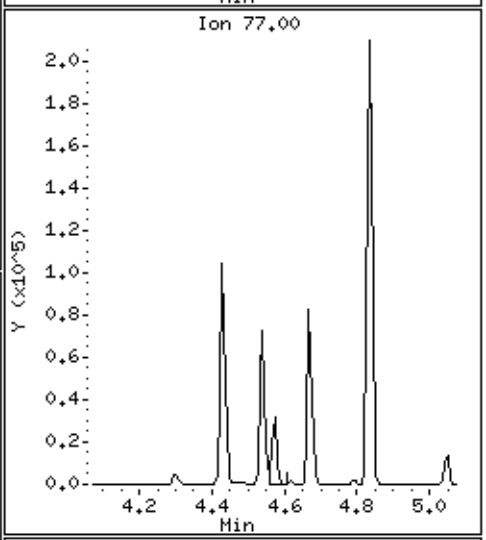
23 2,2'-oxybis(1-chloropropane)

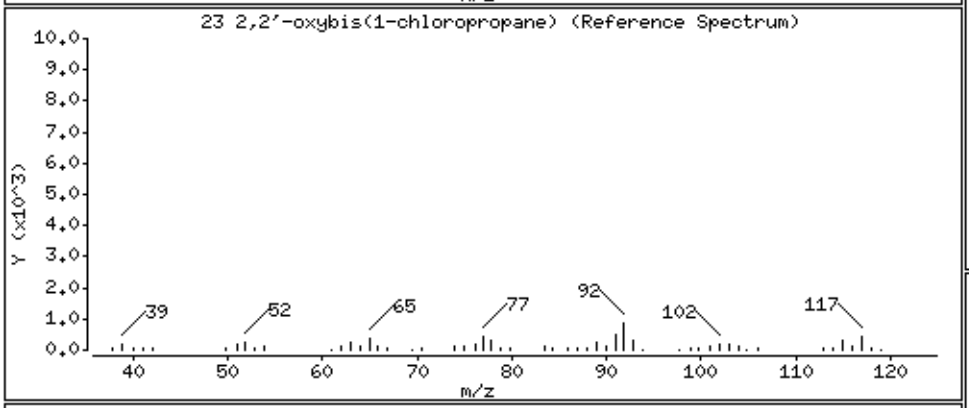
Concentration: 44.9 ug/kg

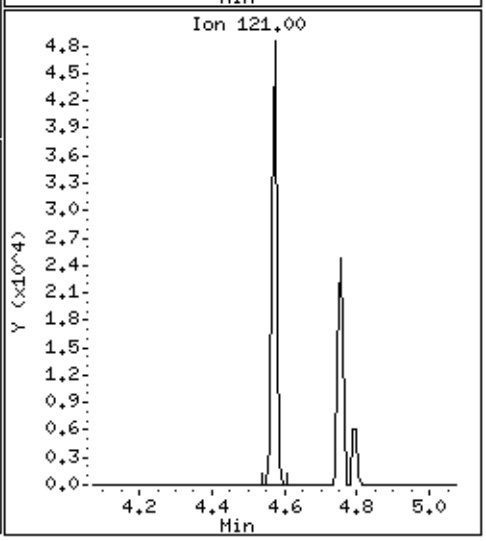


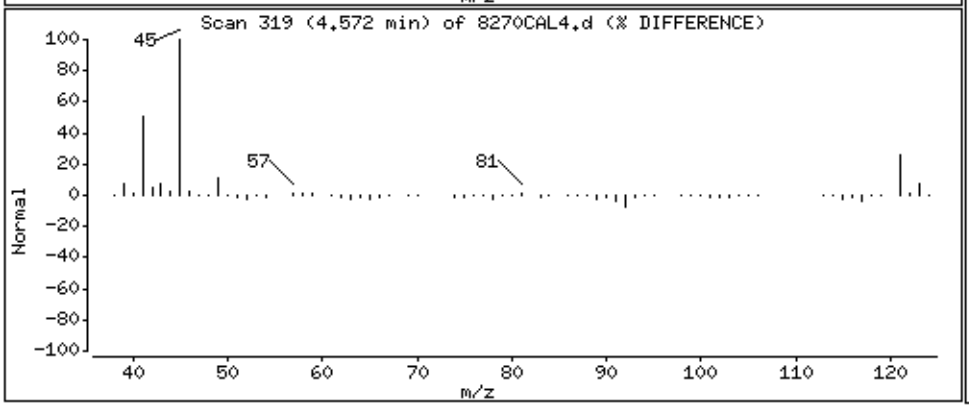












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

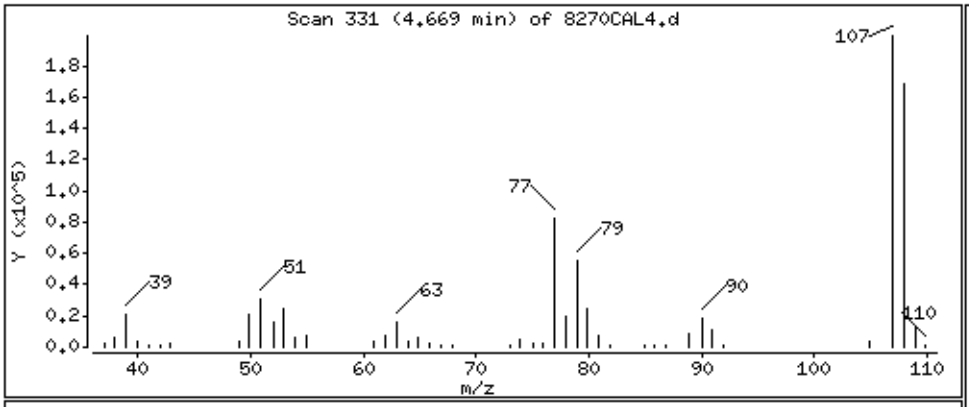
Client ID: 8270CAL4 Instrument: smsd04.i

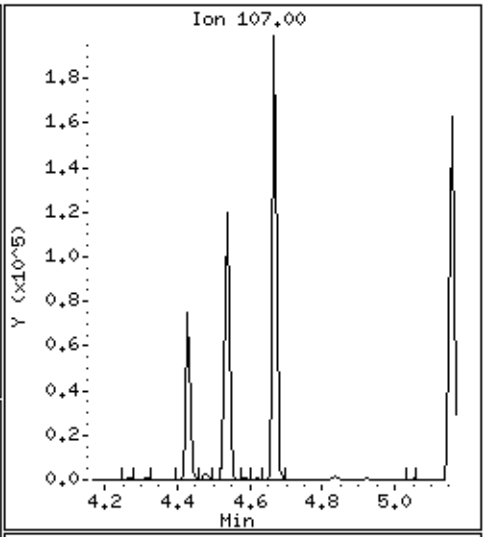
Sample Info: 47766

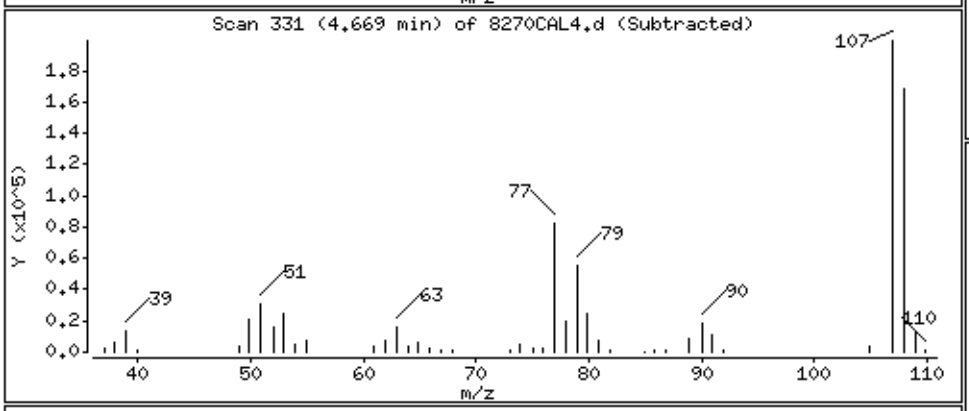
Operator: MJ

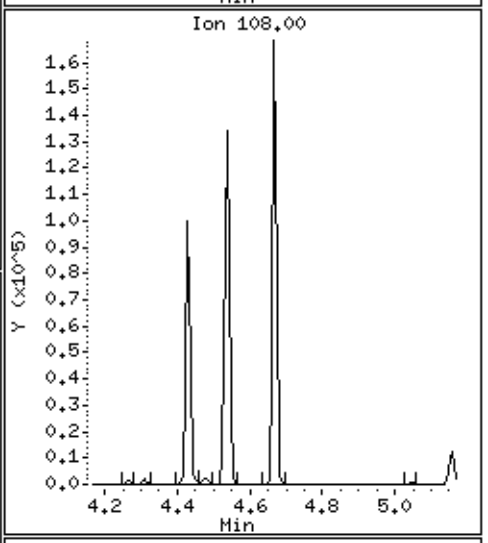
Column phase: HPMS-5 Column diameter: 0.25

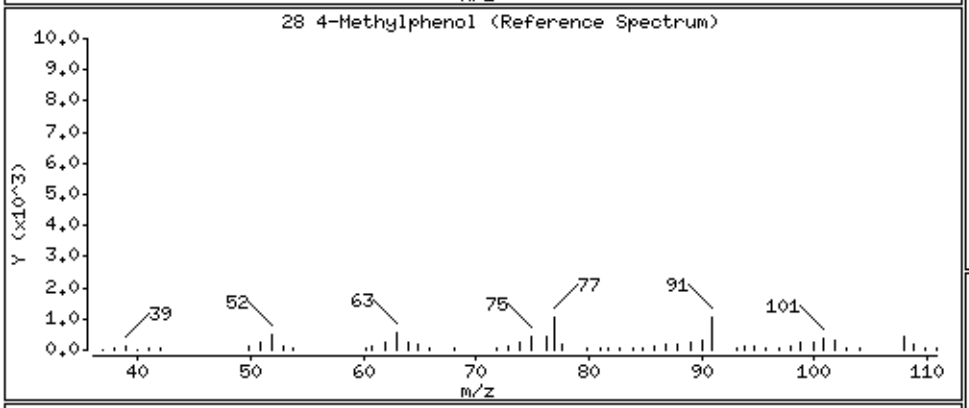
28 4-Methylphenol Concentration: 43.0 ug/kg

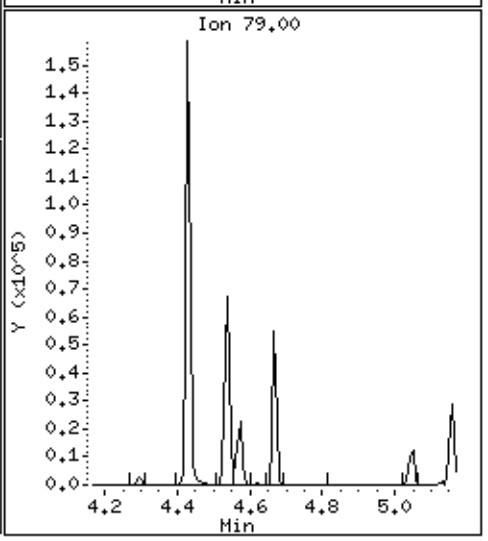


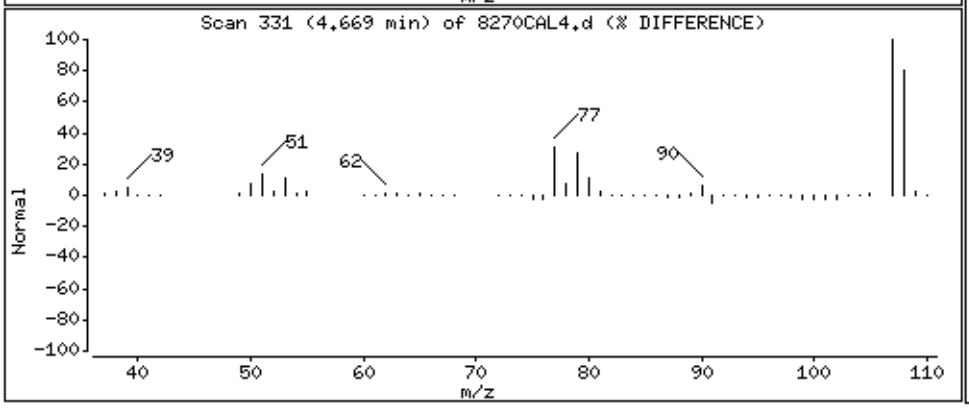












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

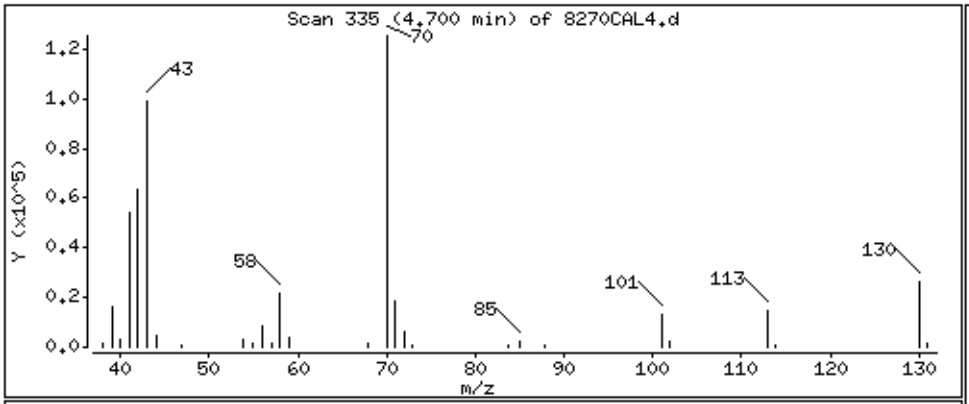
Operator: MJ

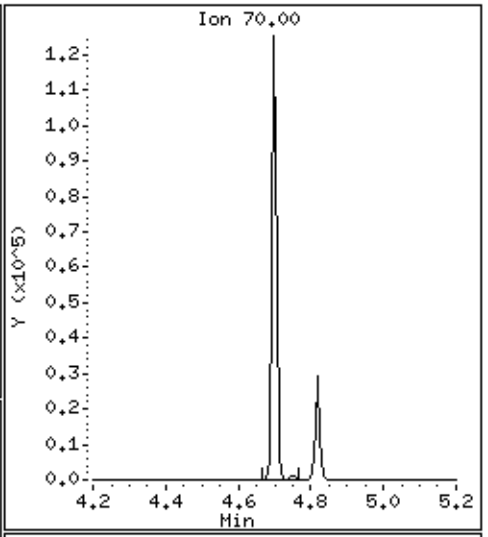
Column phase: HPMS-5

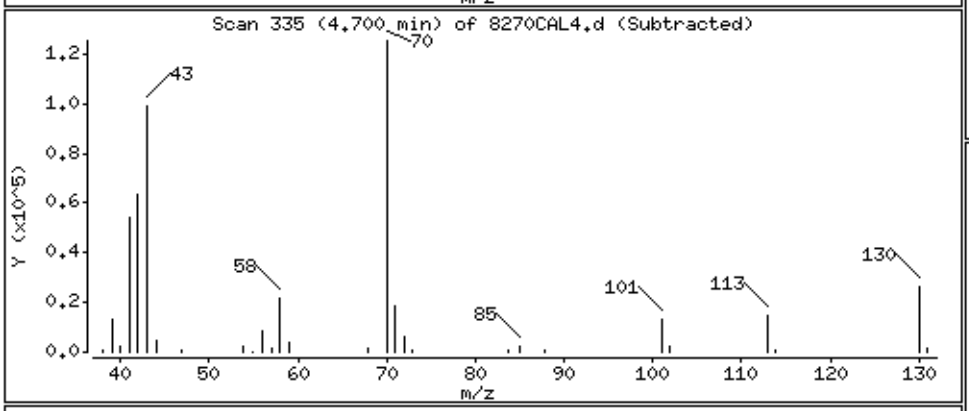
Column diameter: 0.25

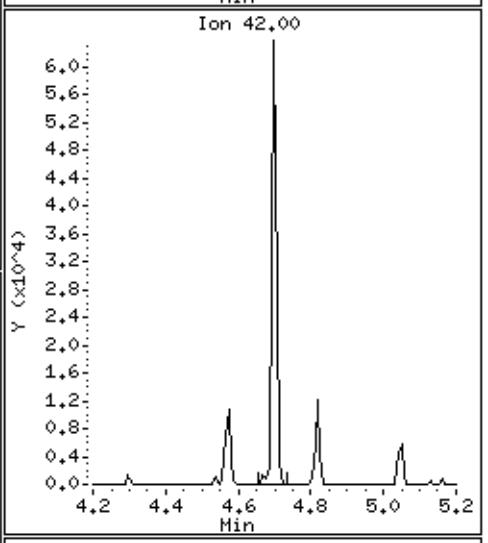
26 N-Nitrosodinpropylamine

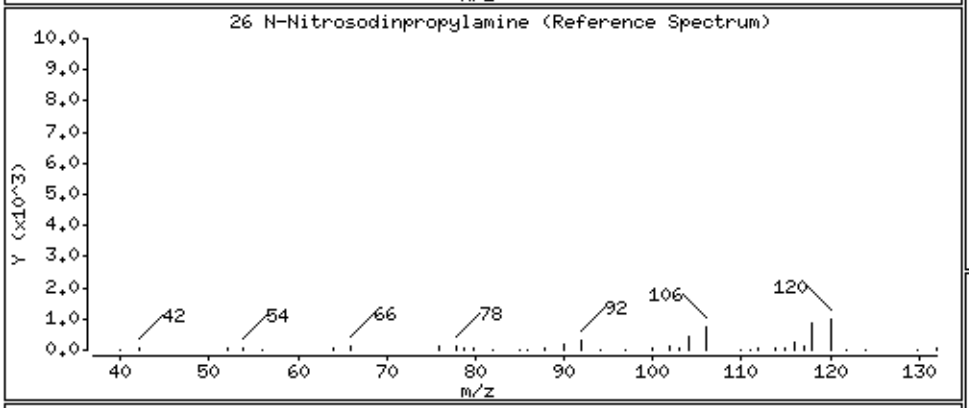
Concentration: 44.2 ug/kg

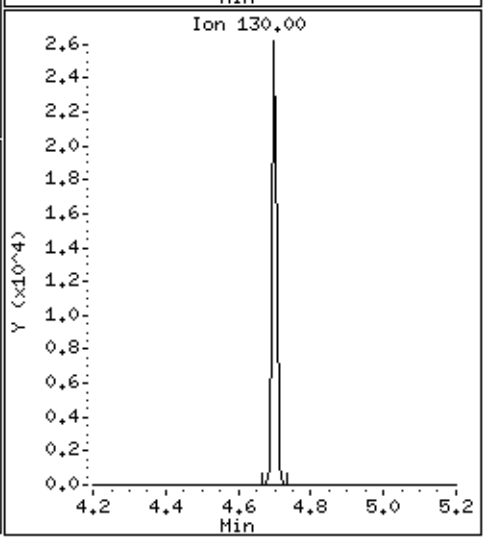


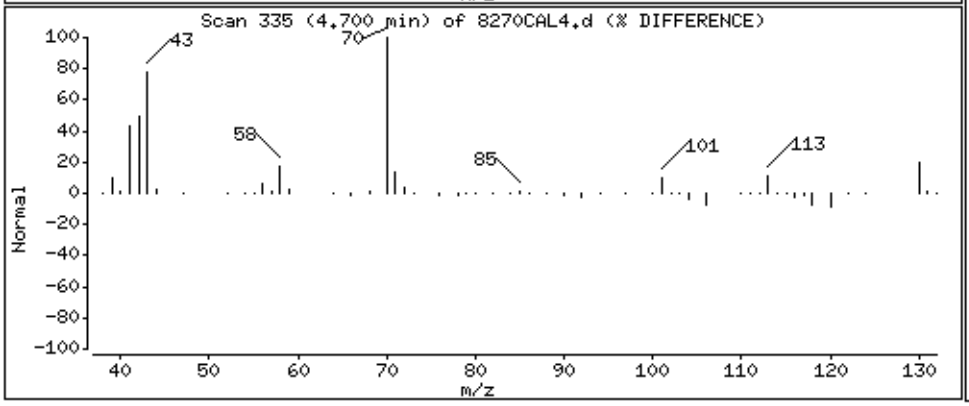












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

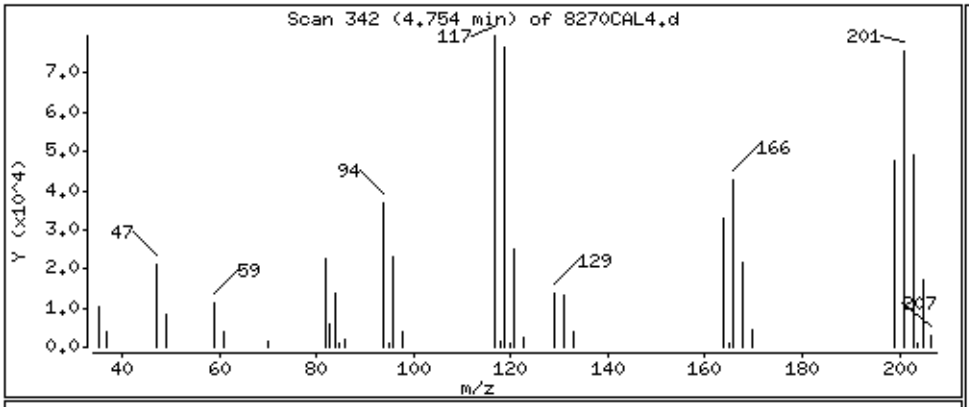
Operator: MJ

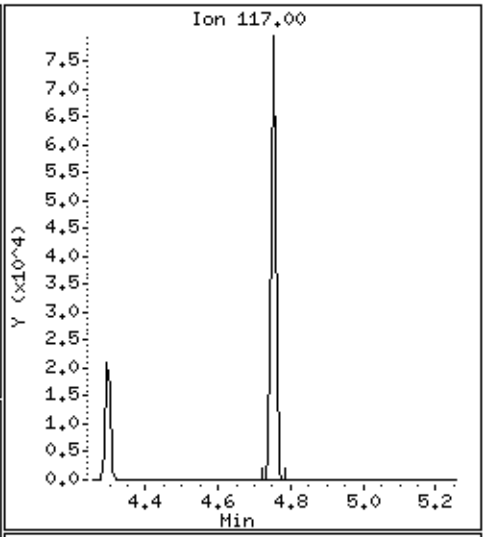
Column phase: HPMS-5

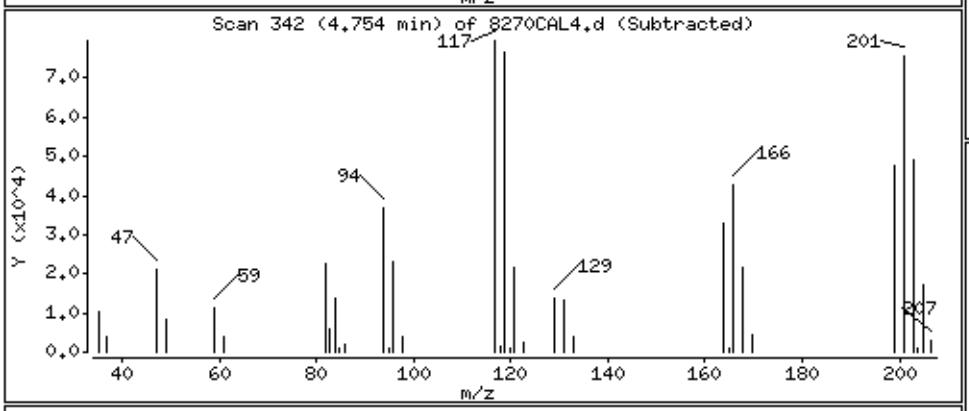
Column diameter: 0.25

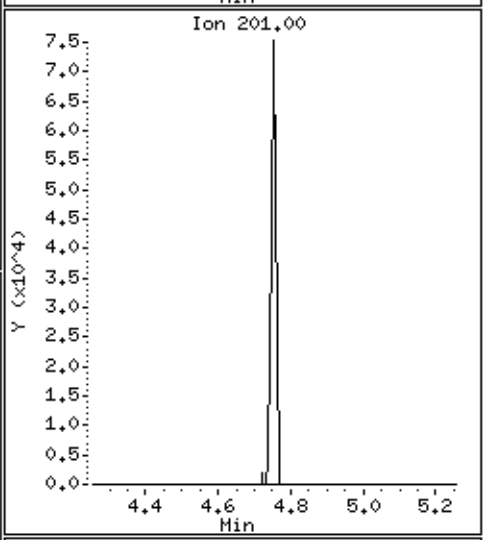
30 Hexachloroethane

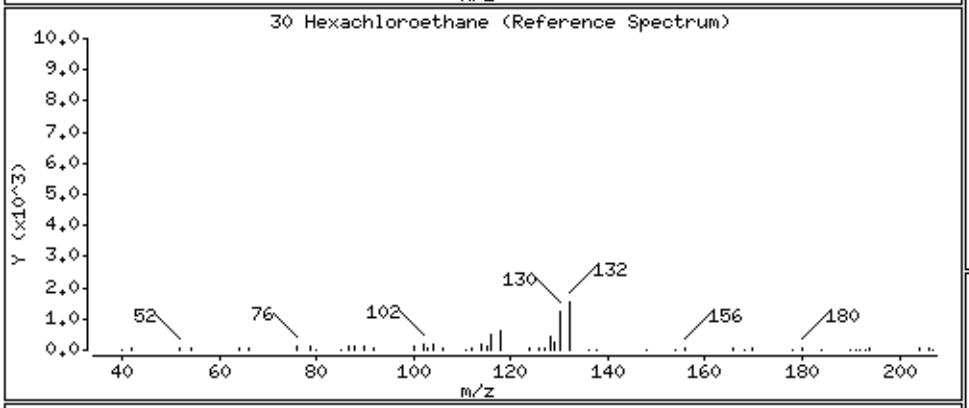
Concentration: 45.0 ug/kg

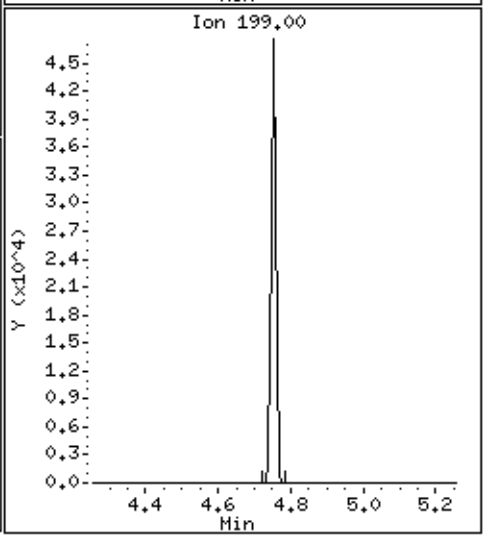


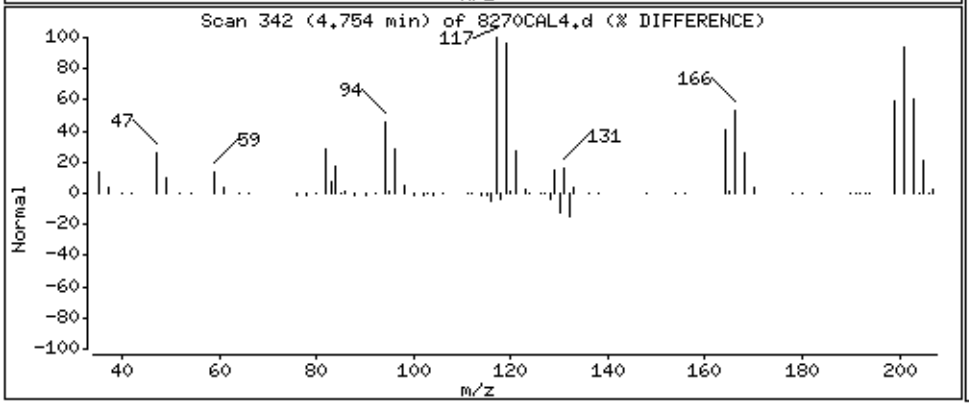












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

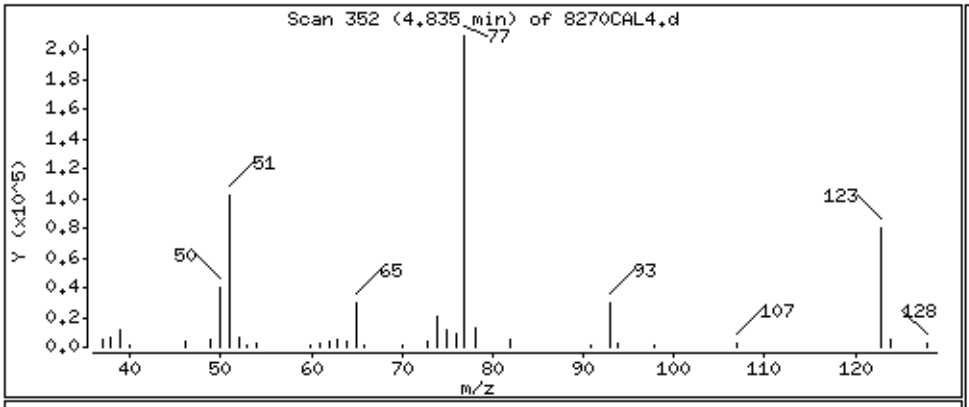
Operator: MJ

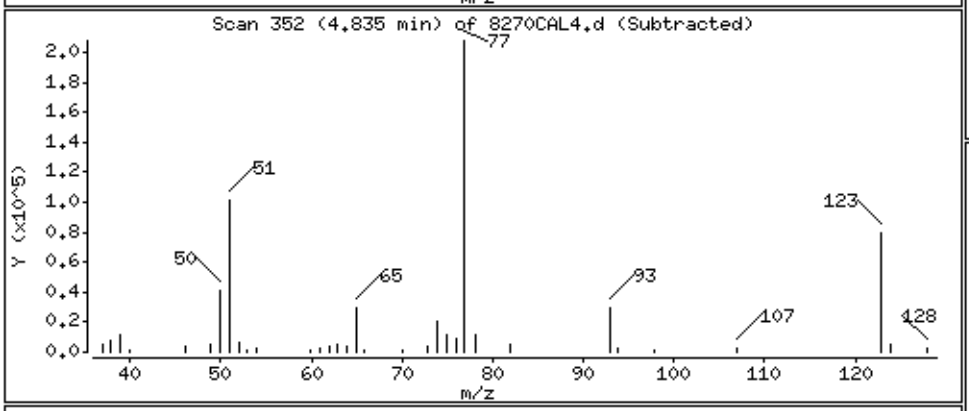
Column phase: HPMS-5

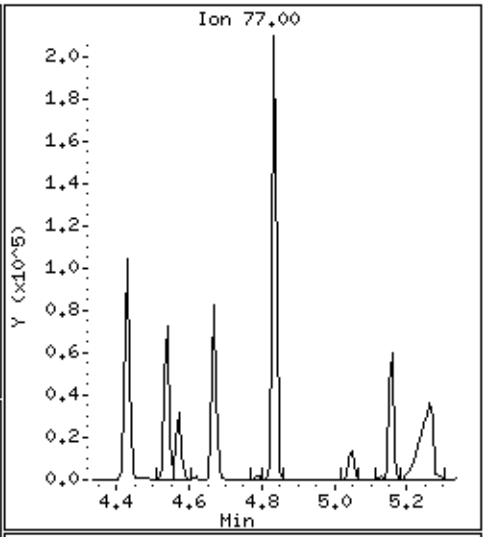
Column diameter: 0.25

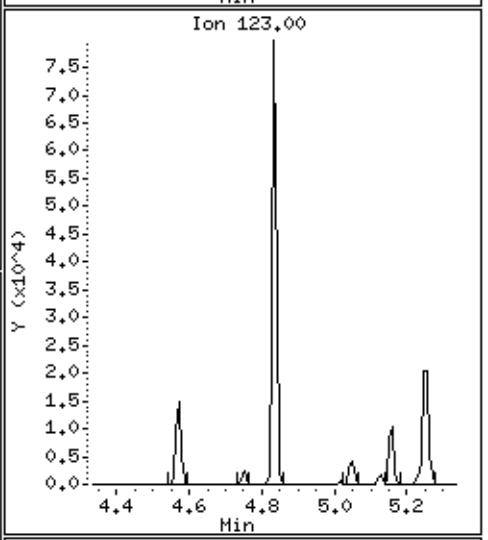
32 Nitrobenzene

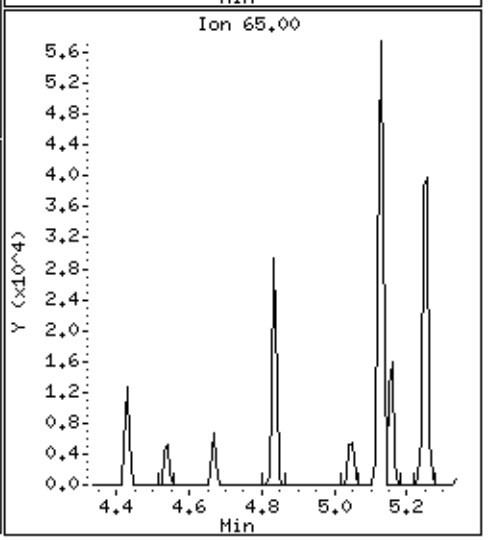
Concentration: 45.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

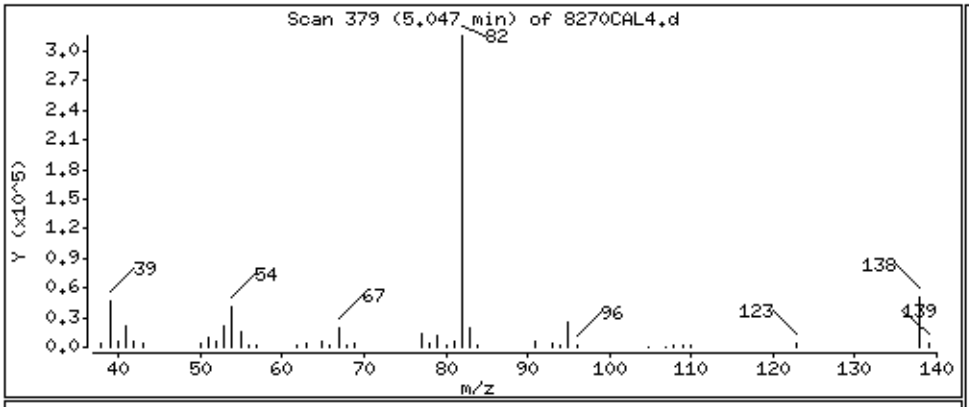
Operator: MJ

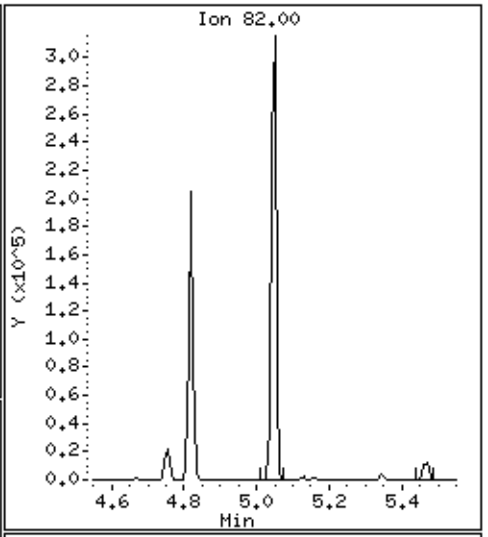
Column phase: HPMS-5

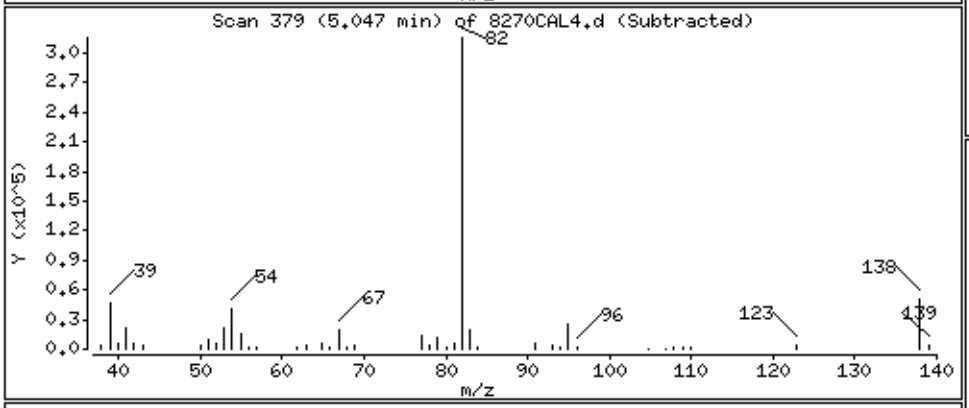
Column diameter: 0.25

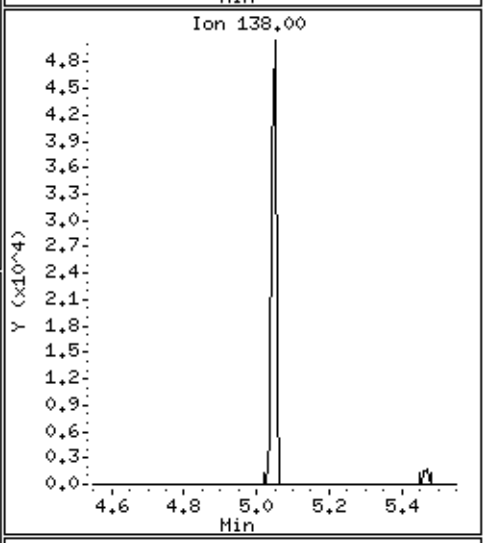
34 Isophorone

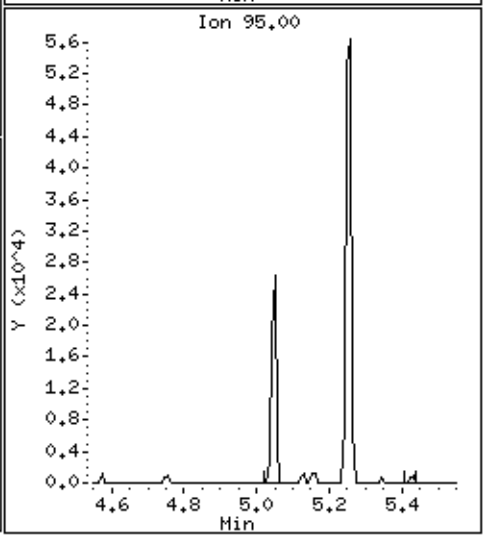
Concentration: 44.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

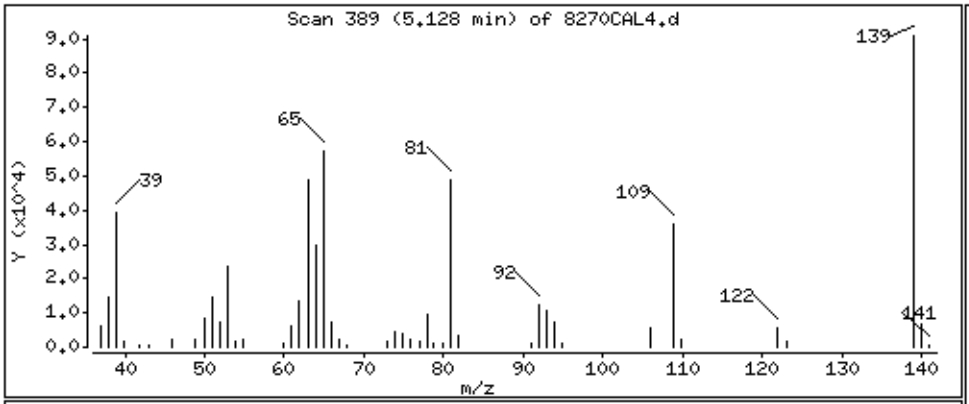
Client ID: 8270CAL4 Instrument: smsd04.i

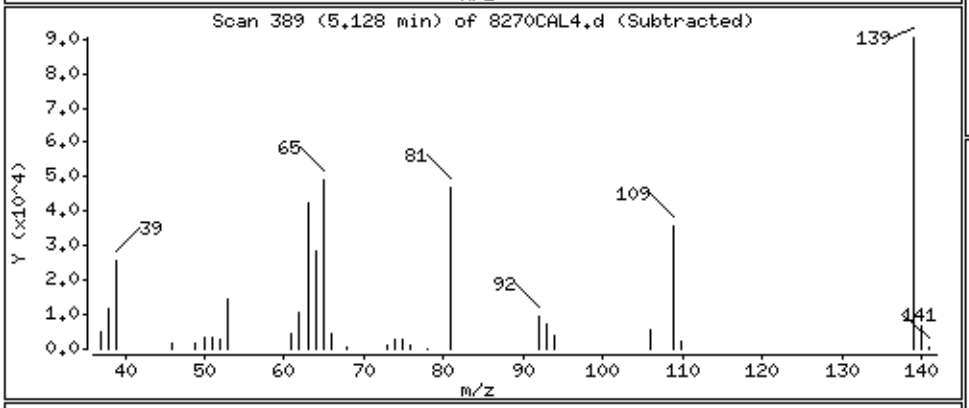
Sample Info: 47766

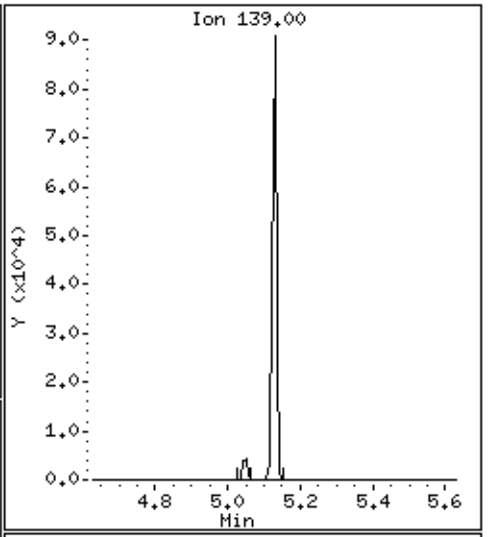
Operator: MJ

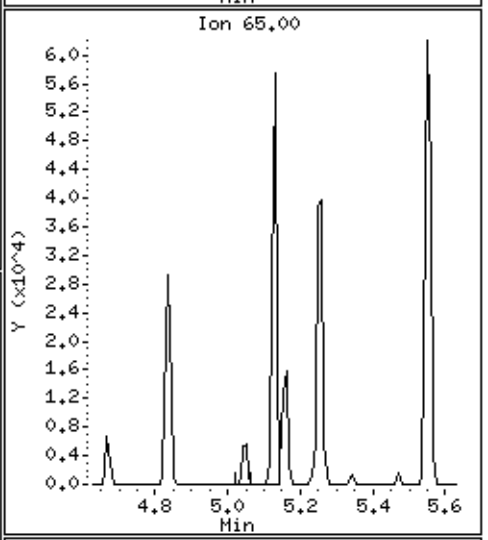
Column phase: HPMS-5 Column diameter: 0.25

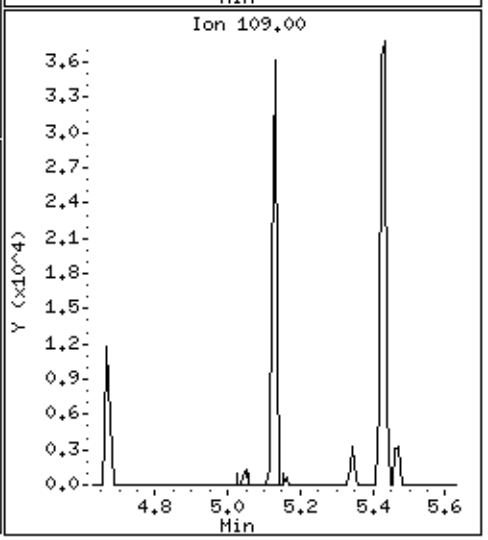
35 2-Nitrophenol Concentration: 44.4 ug/kg











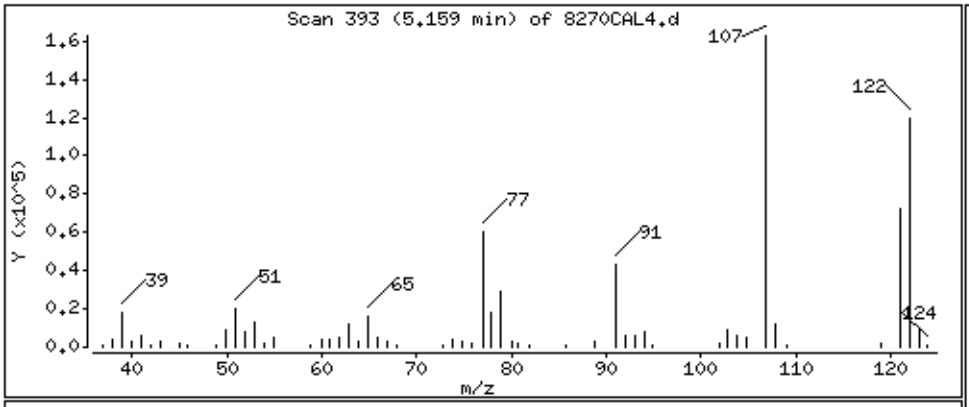
Date : 14-NOV-2012 23:43

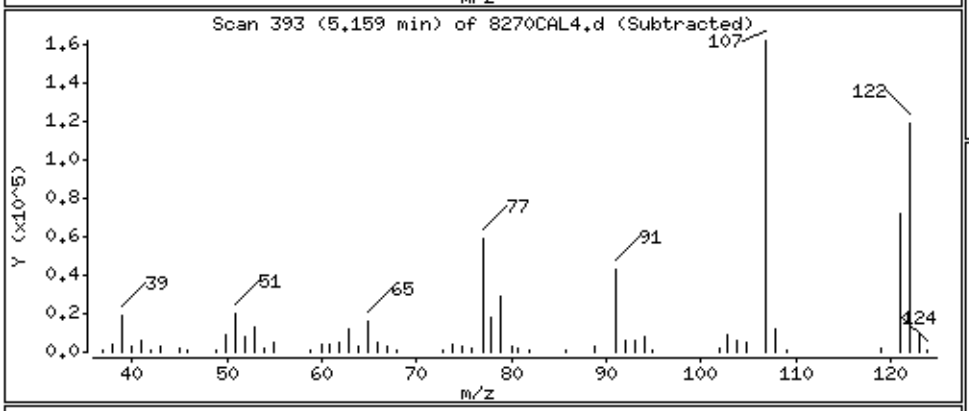
Client ID: 8270CAL4 Instrument: smsd04.i

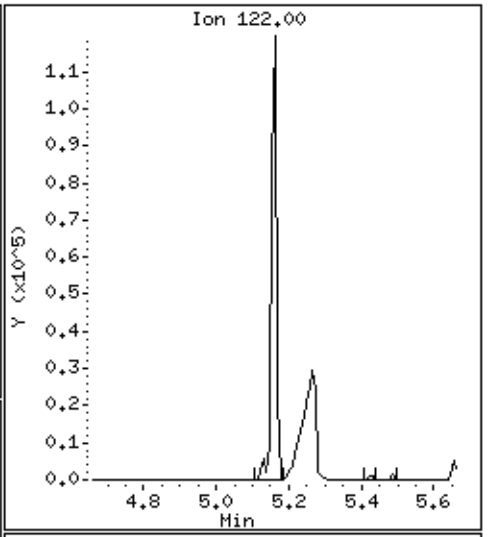
Sample Info: 47766 Operator: MJ

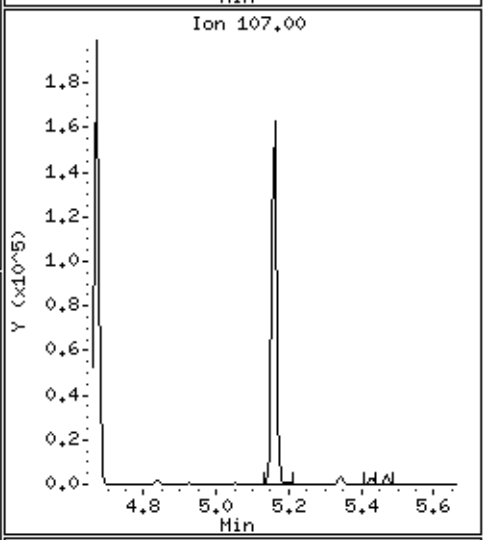
Column phase: HPMS-5 Column diameter: 0.25

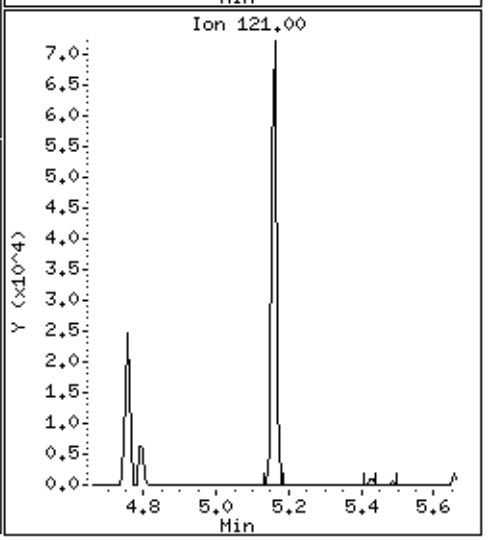
36 2,4-Dimethylphenol Concentration: 45.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

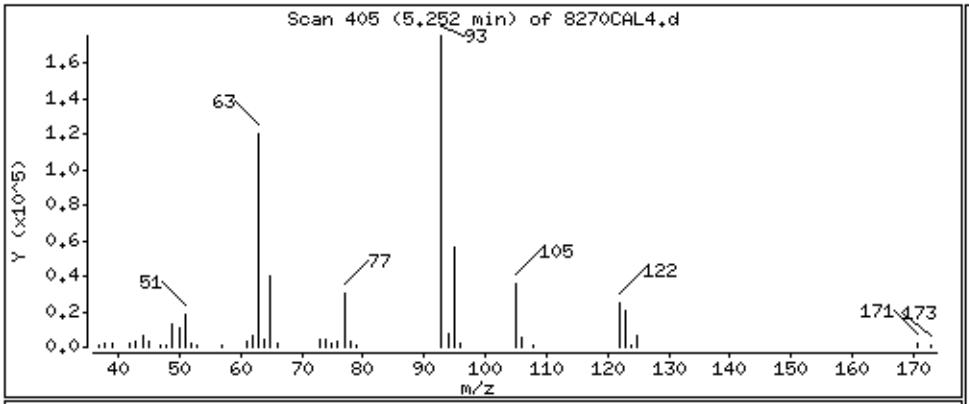
Client ID: 8270CAL4 Instrument: smsd04.i

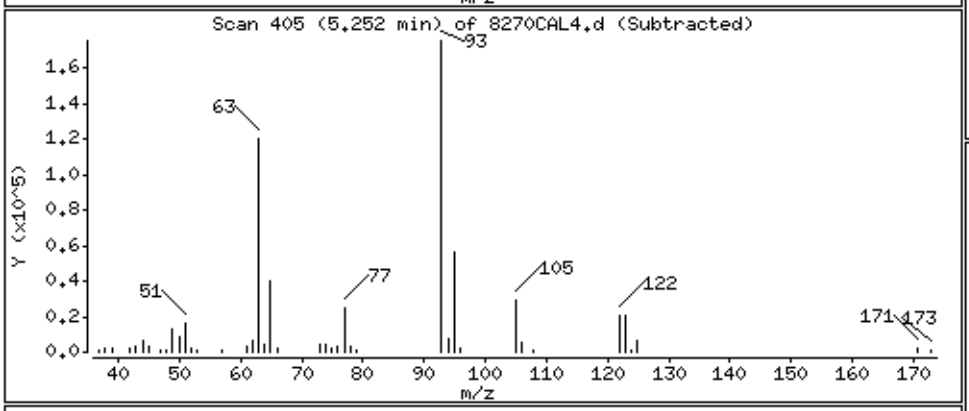
Sample Info: 47766

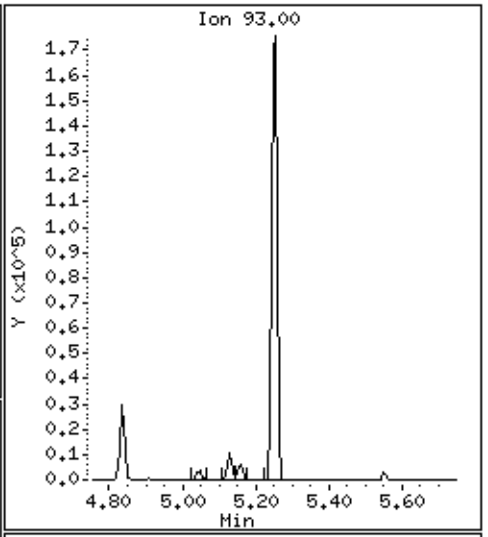
Operator: MJ

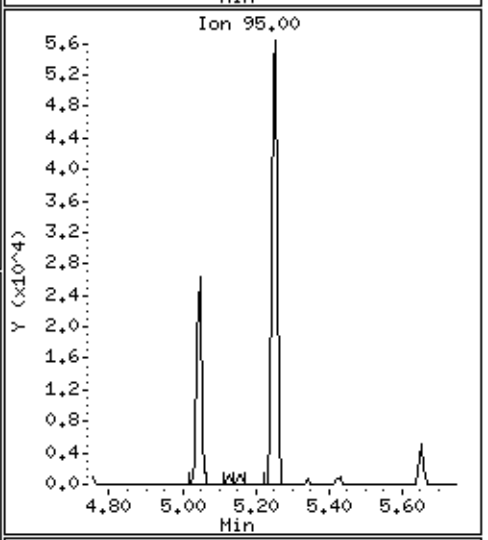
Column phase: HPMS-5 Column diameter: 0.25

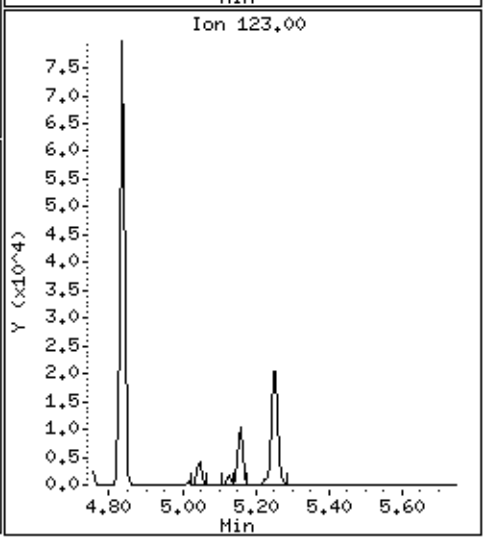
38 Bis(2-Chloroethoxy)methane Concentration: 44.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

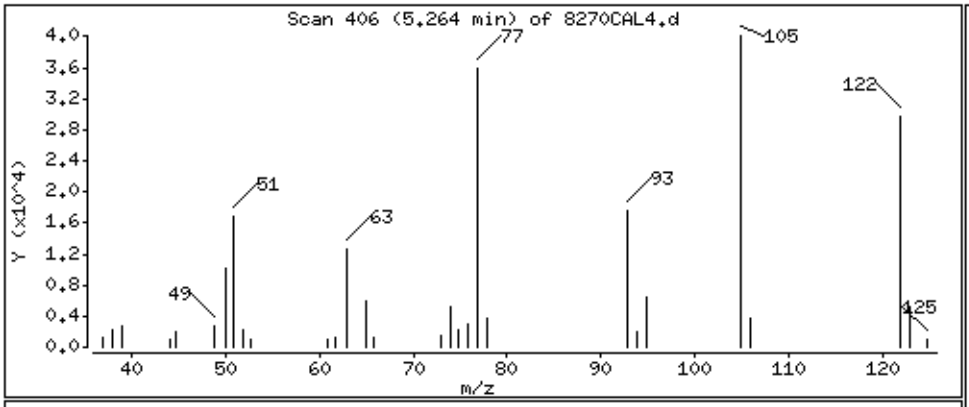
Client ID: 8270CAL4 Instrument: smsd04.i

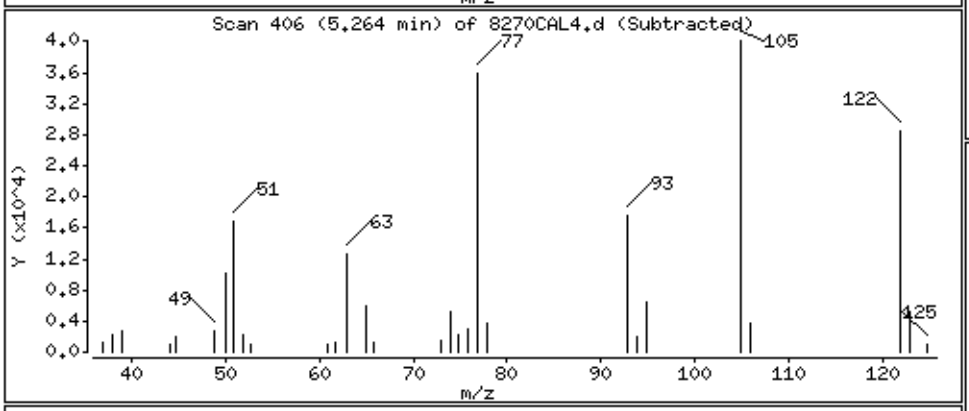
Sample Info: 47766

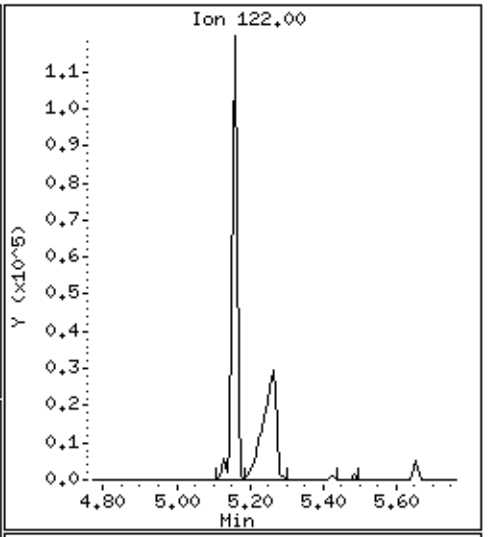
Operator: MJ

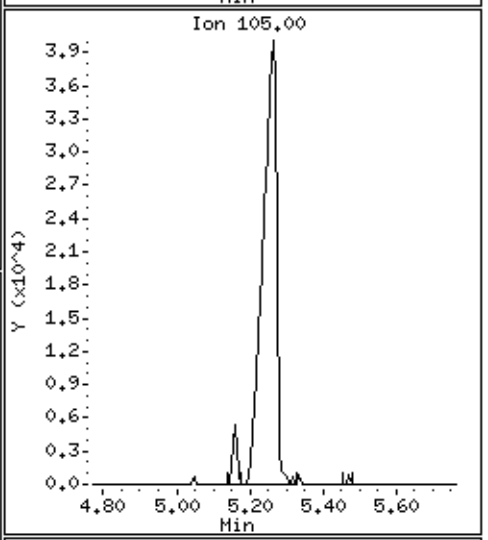
Column phase: HPMS-5 Column diameter: 0.25

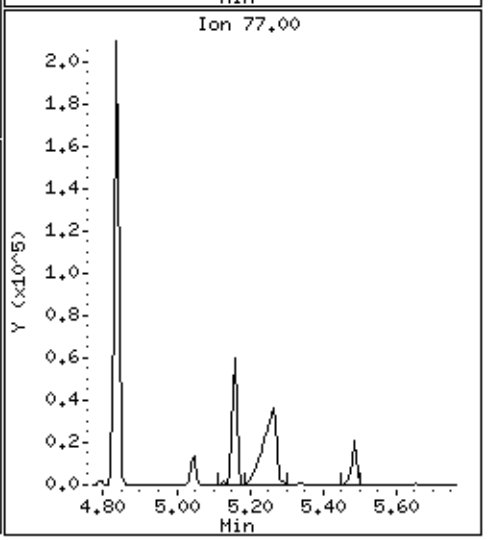
40 Benzoic Acid Concentration: 44.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

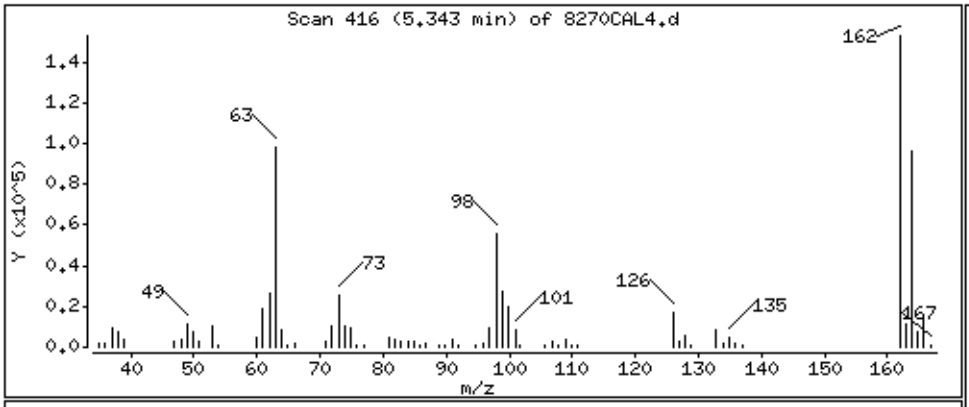
Operator: MJ

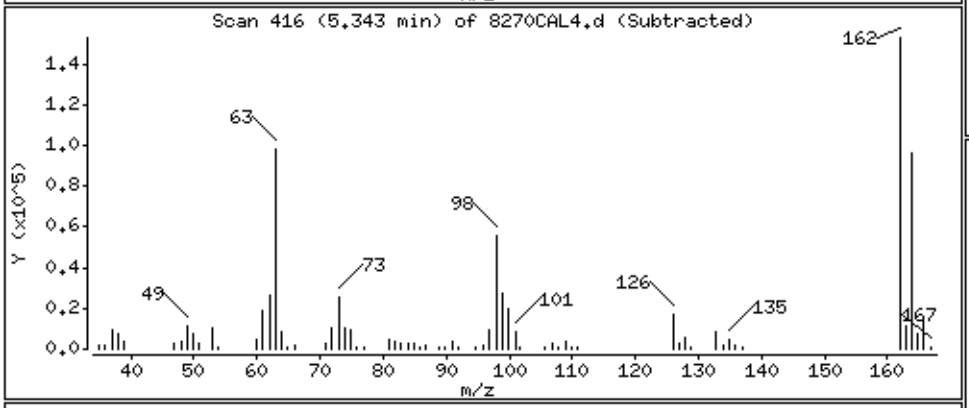
Column phase: HPMS-5

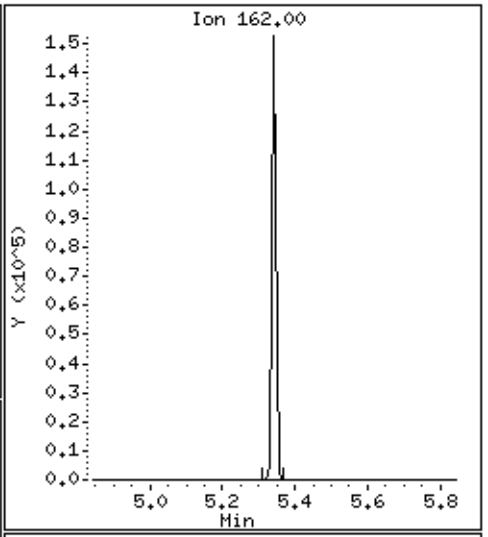
Column diameter: 0.25

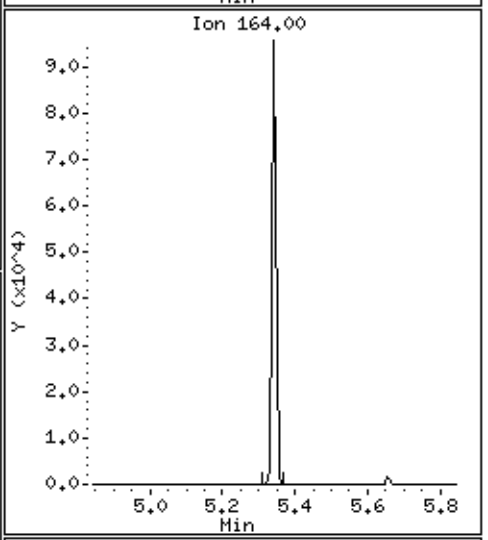
41 2,4-Dichlorophenol

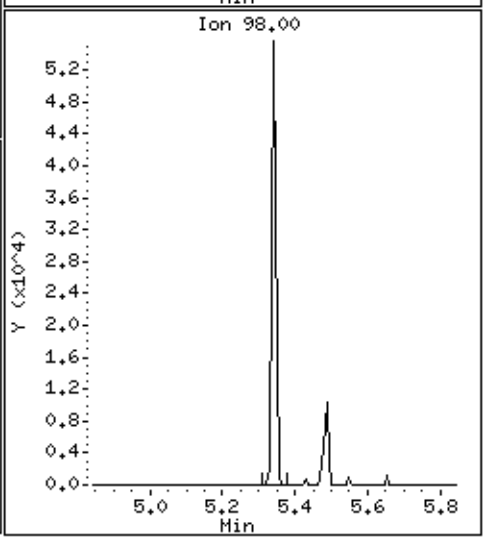
Concentration: 44.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

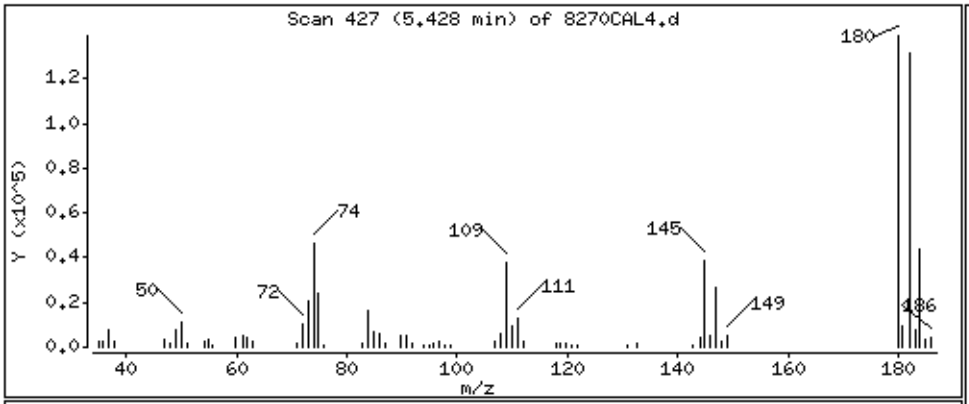
Operator: MJ

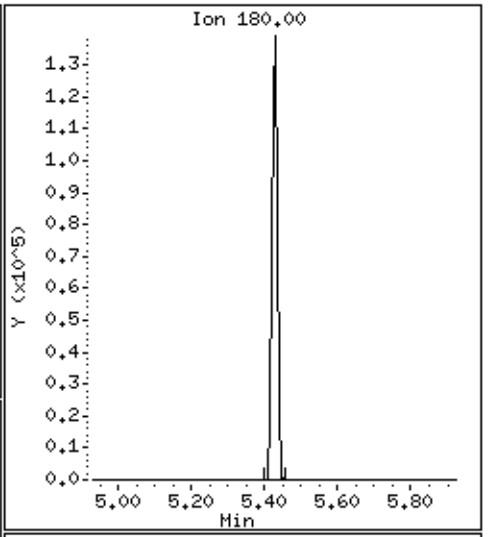
Column phase: HPMS-5

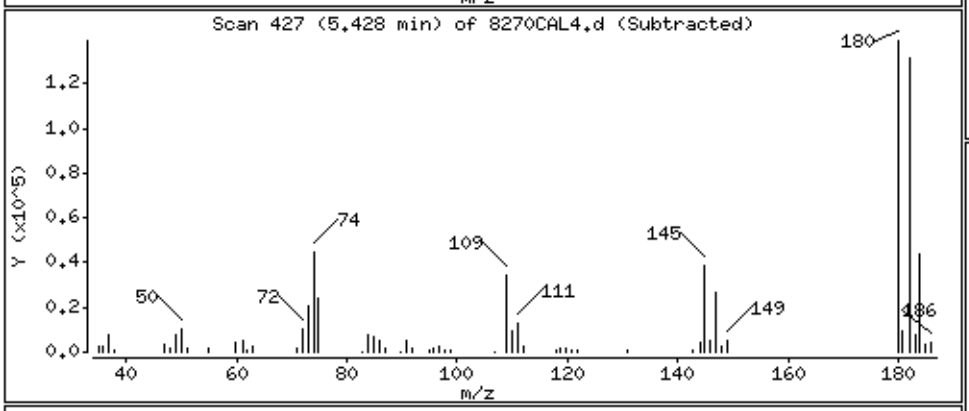
Column diameter: 0.25

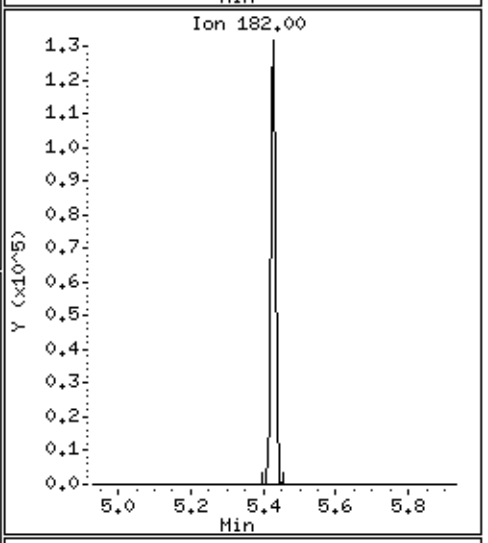
42 1,2,4-Trichlorobenzene

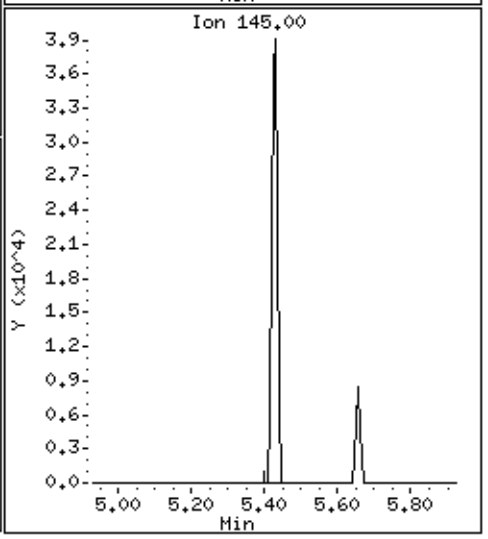
Concentration: 44.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

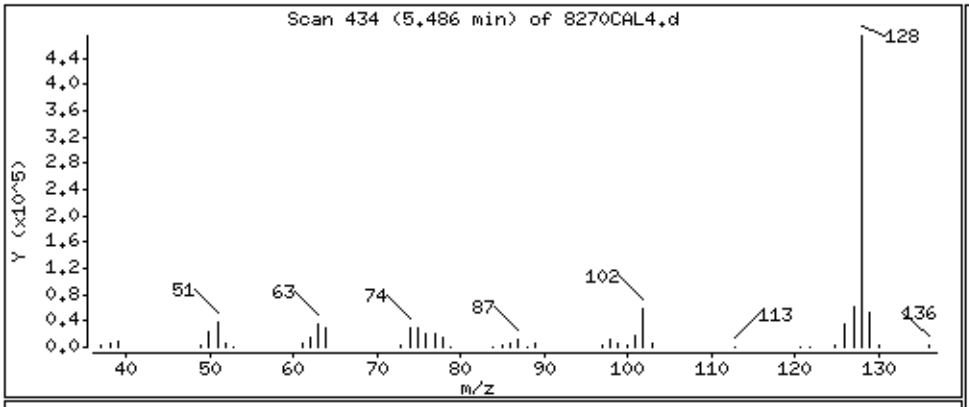
Date : 14-NOV-2012 23:43

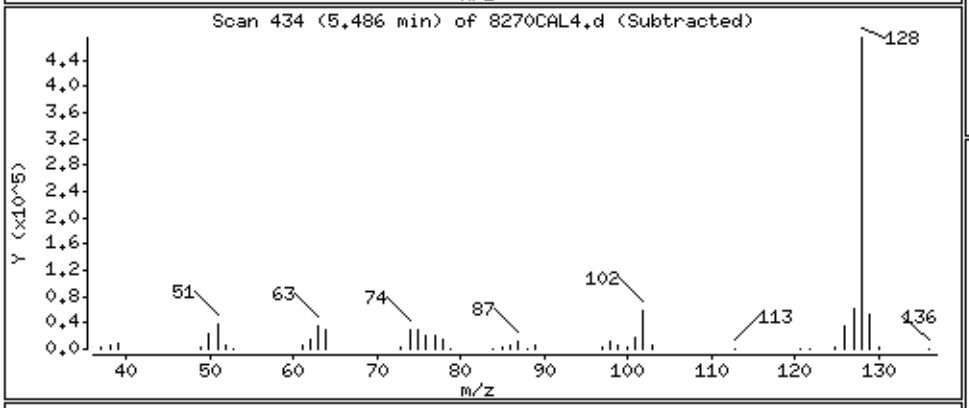
Client ID: 8270CAL4 Instrument: smsd04.i

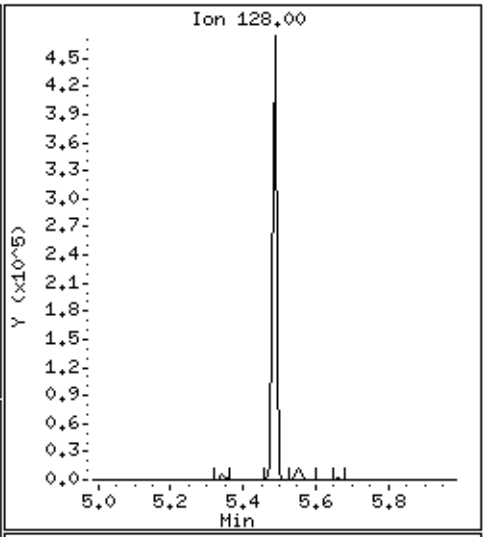
Sample Info: 47766 Operator: MJ

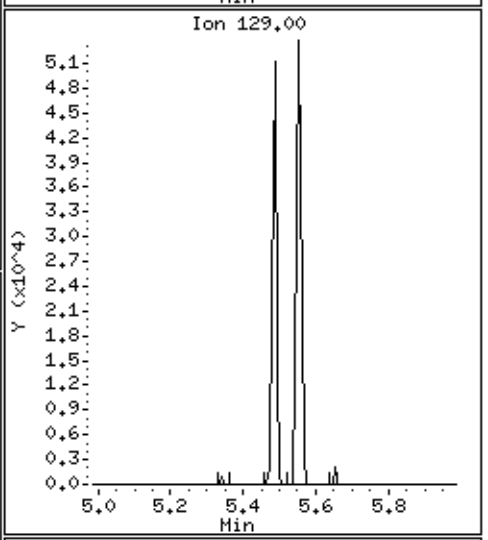
Column phase: HPMS-5 Column diameter: 0.25

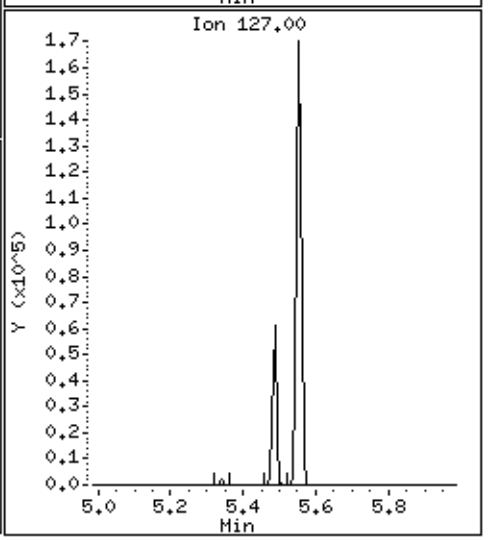
44 Naphthalene Concentration: 45.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

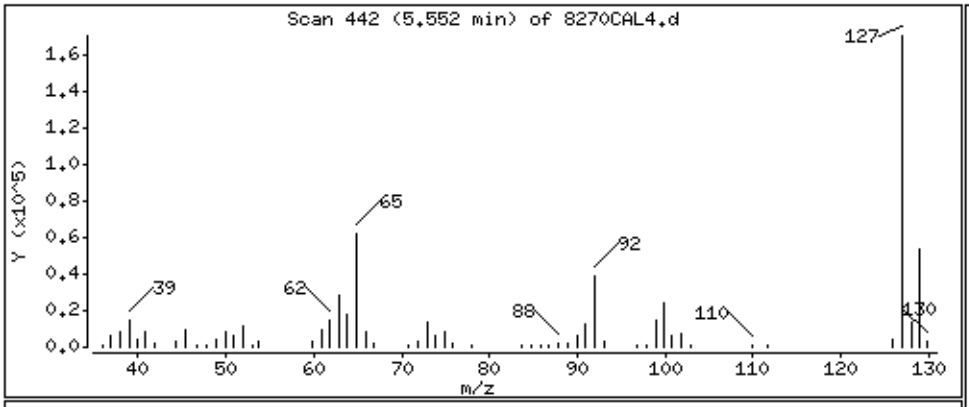
Operator: MJ

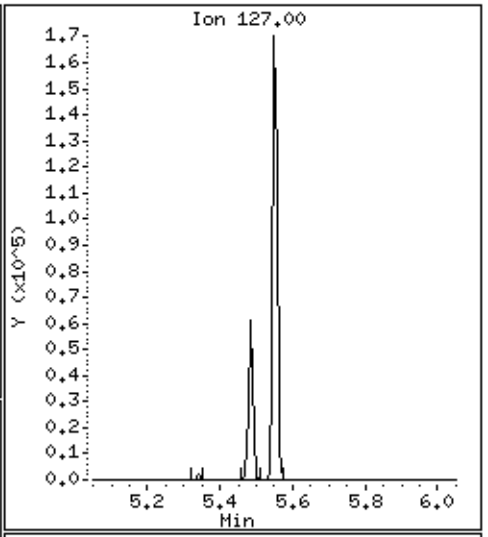
Column phase: HPMS-5

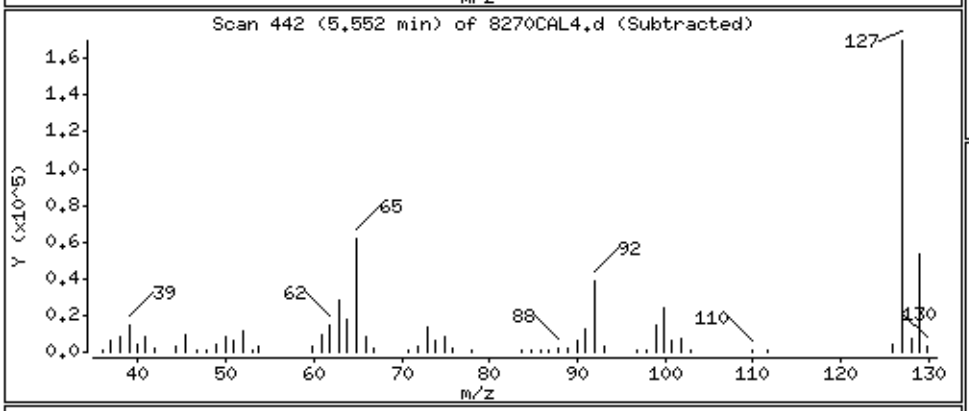
Column diameter: 0.25

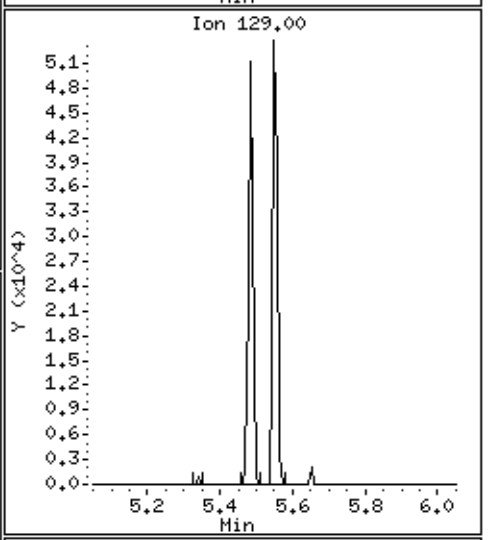
45 4-Chloroaniline

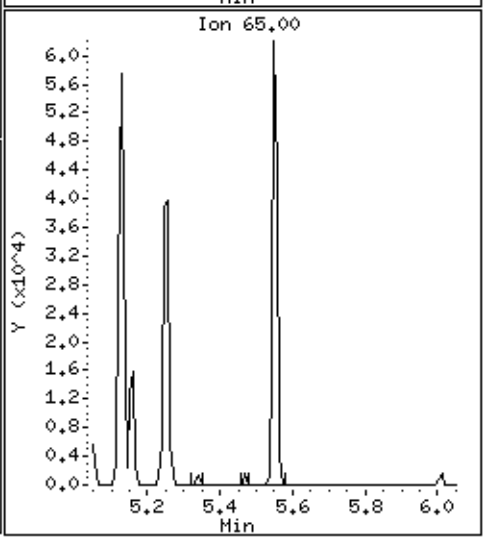
Concentration: 45.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

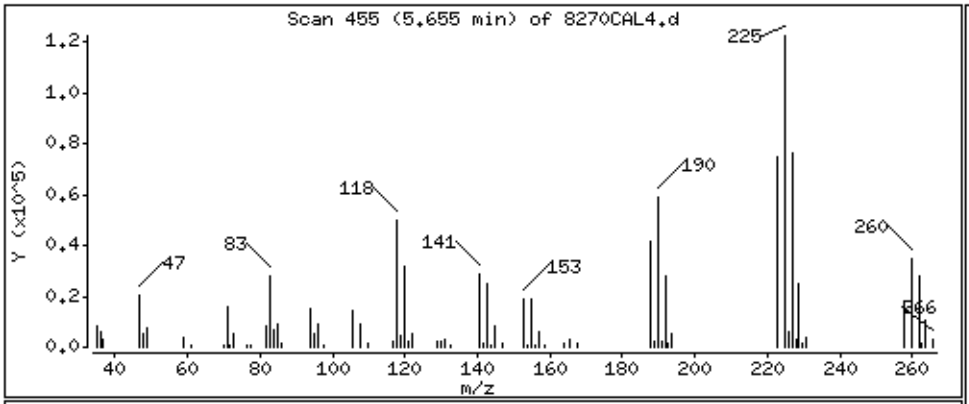
Operator: MJ

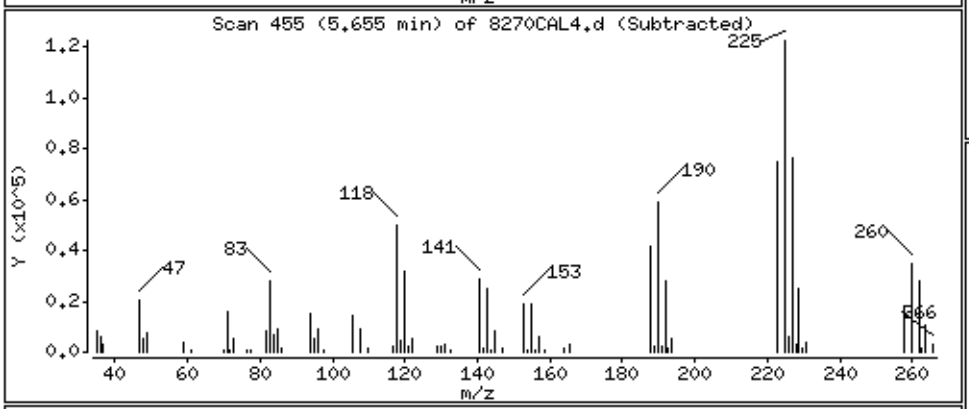
Column phase: HPMS-5

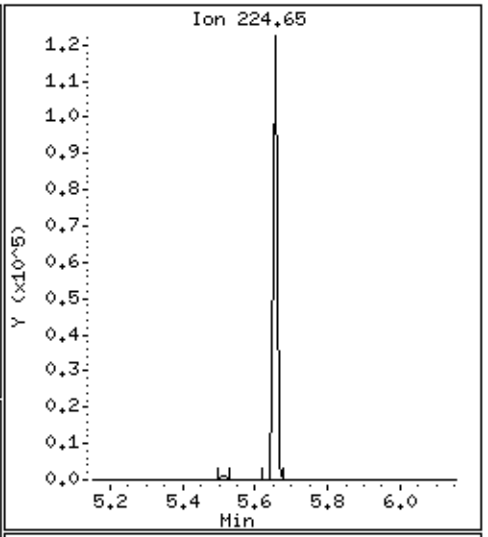
Column diameter: 0.25

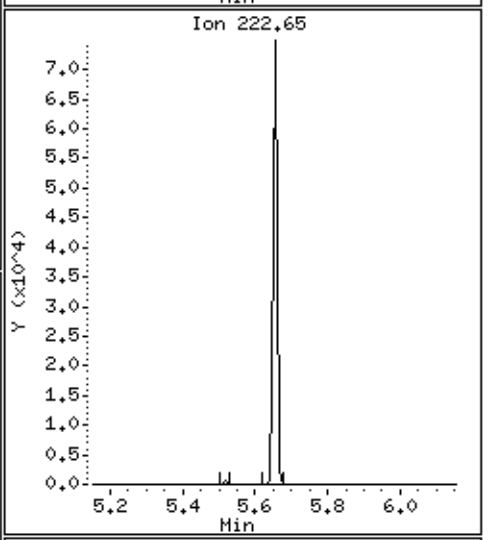
48 Hexachlorobutadiene

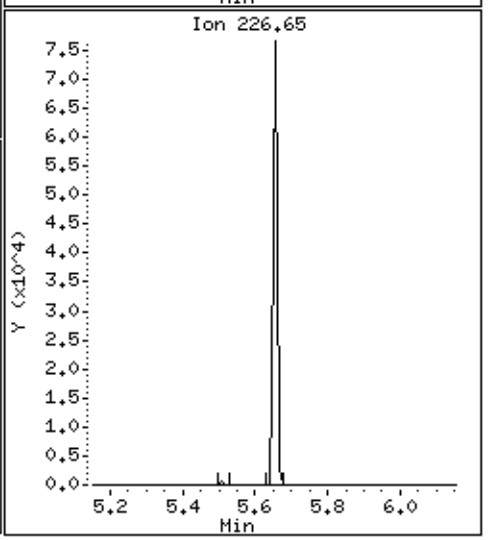
Concentration: 45.1 ug/kg











Date : 14-NOV-2012 23:43

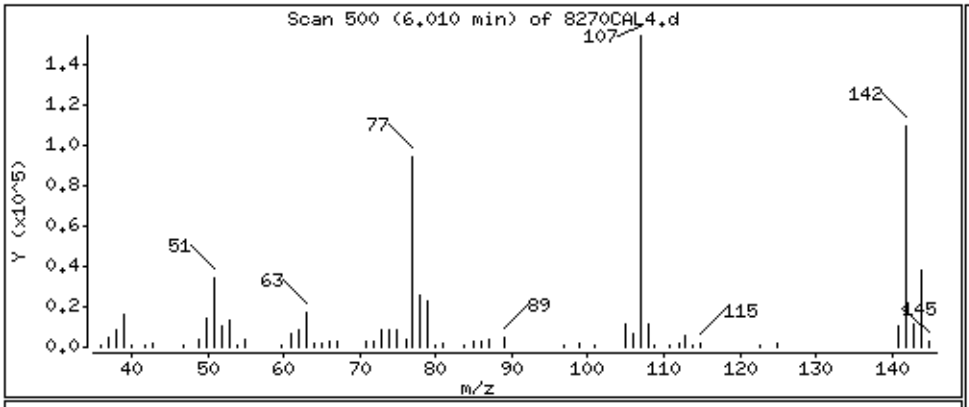
Client ID: 8270CAL4 Instrument: smsd04.i

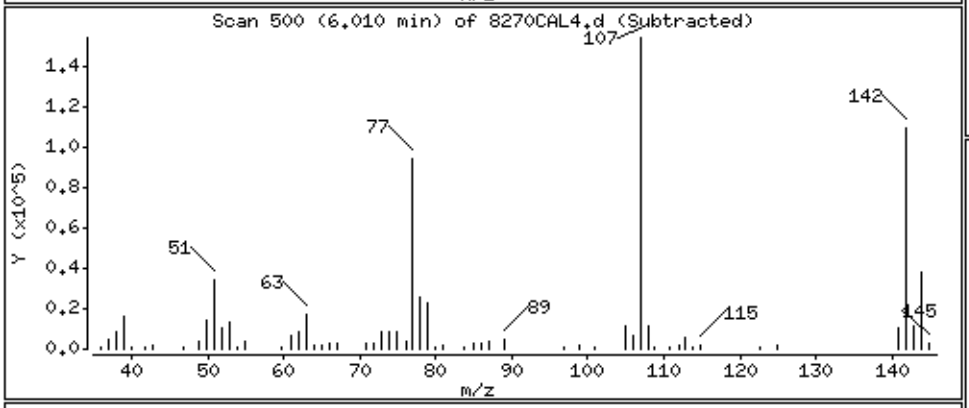
Sample Info: 47766

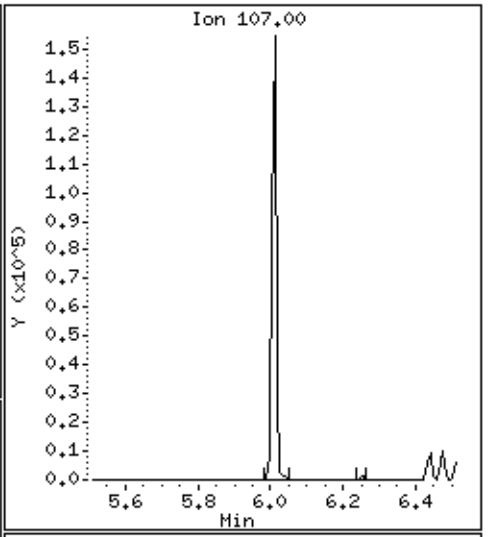
Operator: MJ

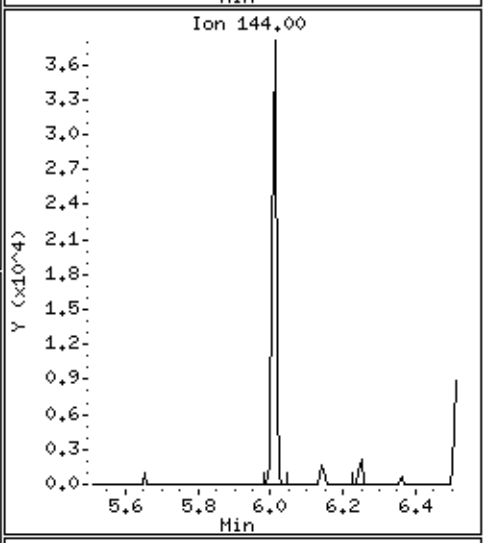
Column phase: HPMS-5 Column diameter: 0.25

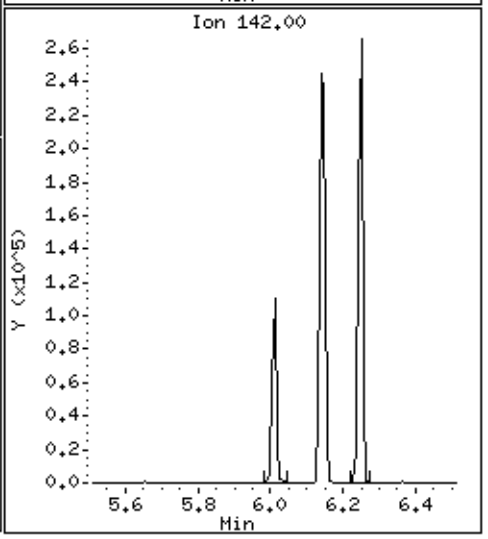
51 4-Chloro-3-methylphenol Concentration: 42.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

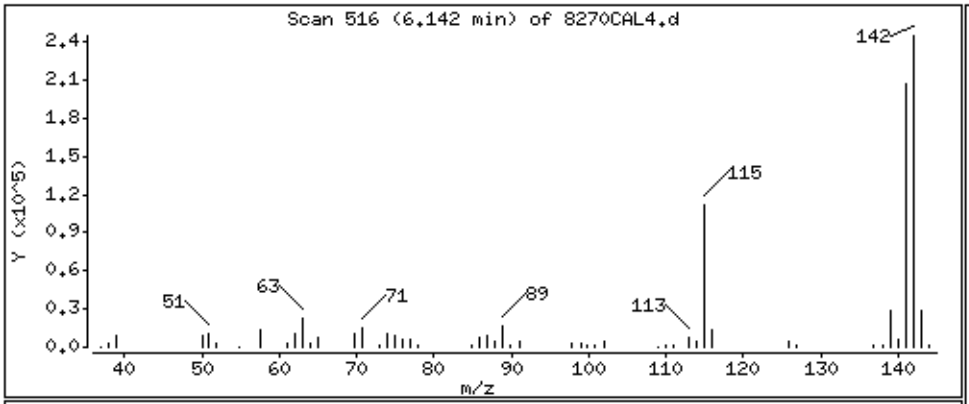
Operator: MJ

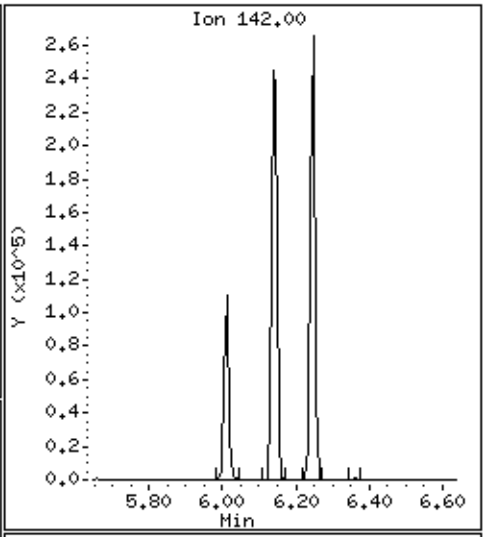
Column phase: HPMS-5

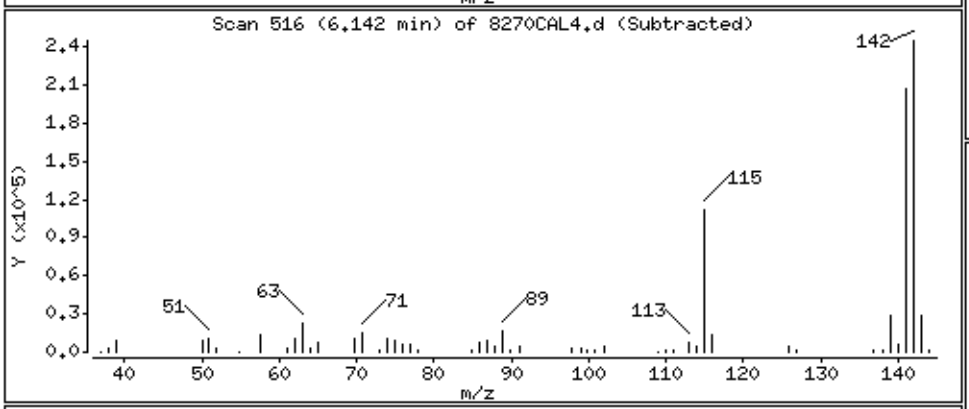
Column diameter: 0.25

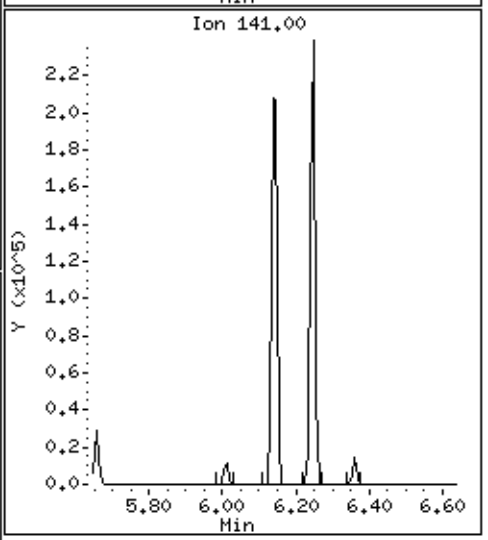
53 2-Methylnaphthalene

Concentration: 43.0 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

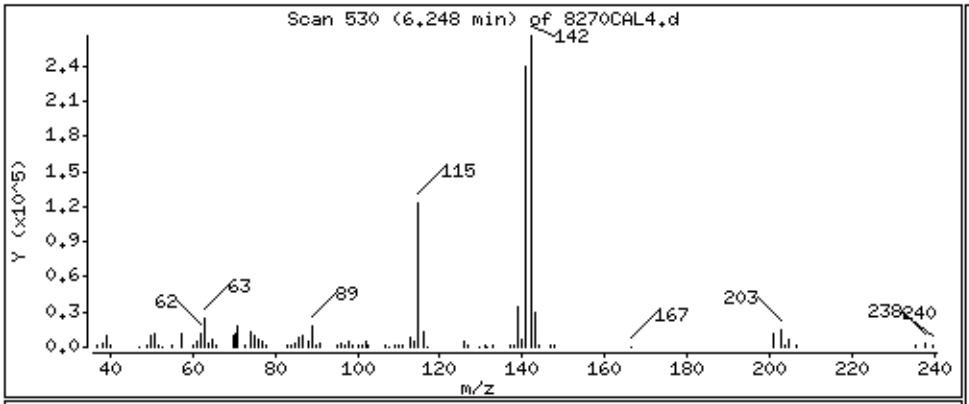
Operator: MJ

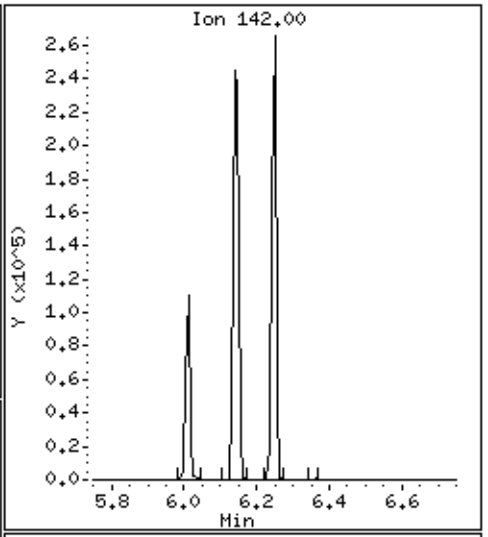
Column phase: HPMS-5

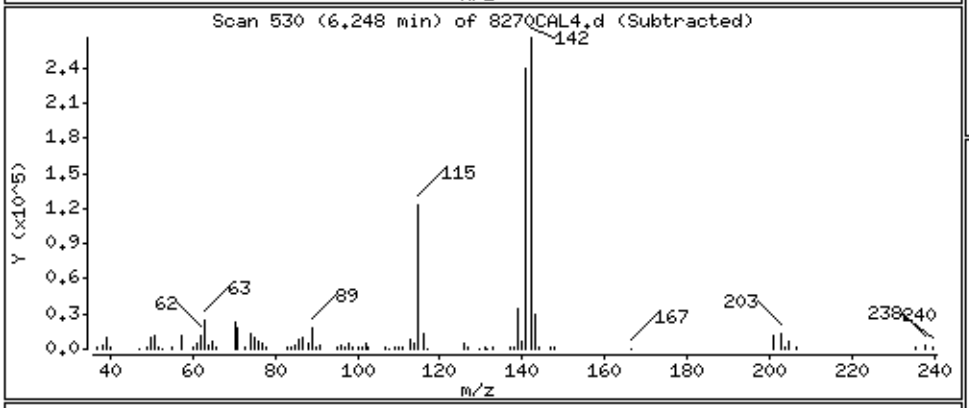
Column diameter: 0.25

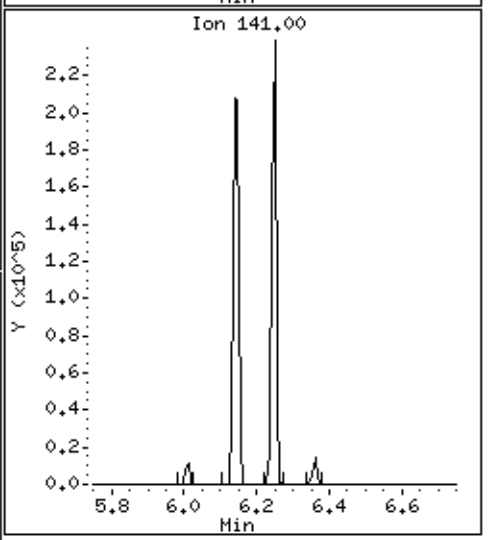
54 1-Methylnaphthalene

Concentration: 43.0 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

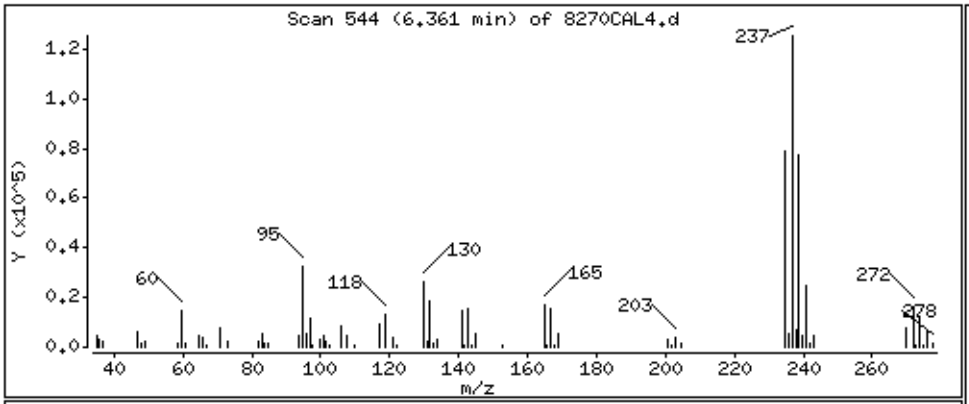
Operator: MJ

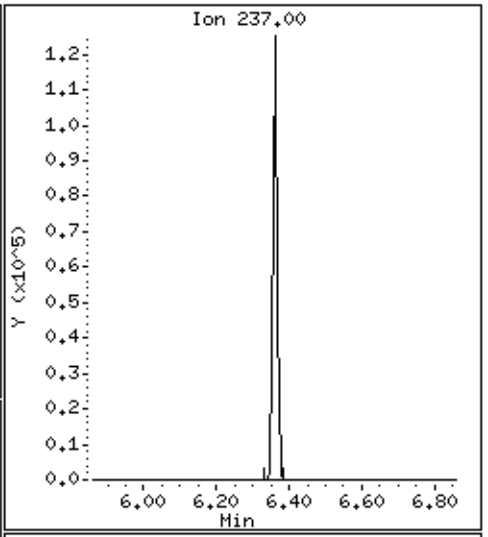
Column phase: HPMS-5

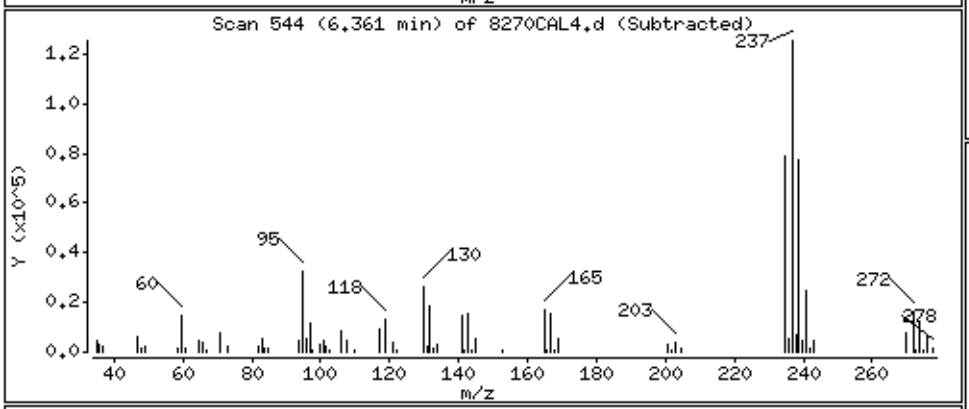
Column diameter: 0.25

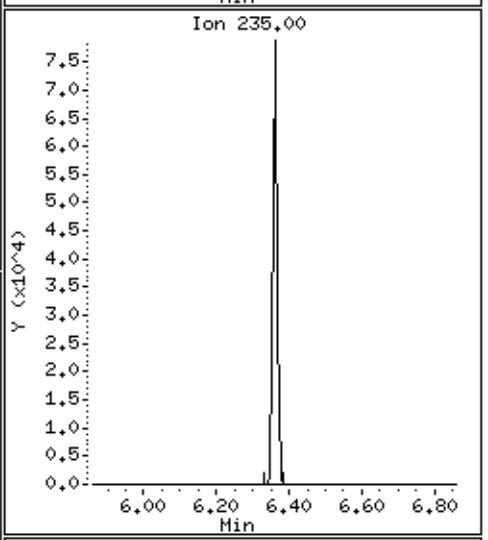
55 Hexachlorocyclopentadiene

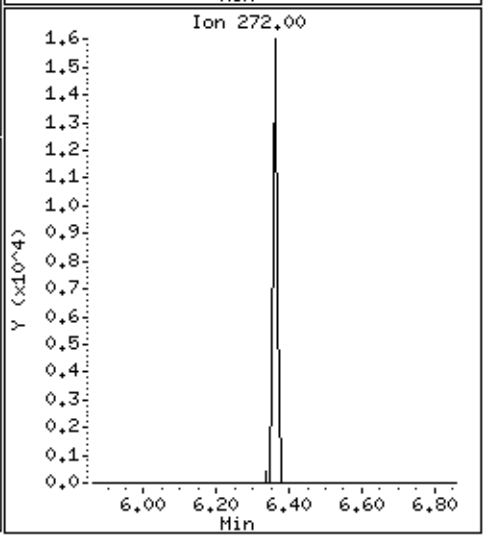
Concentration: 49.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

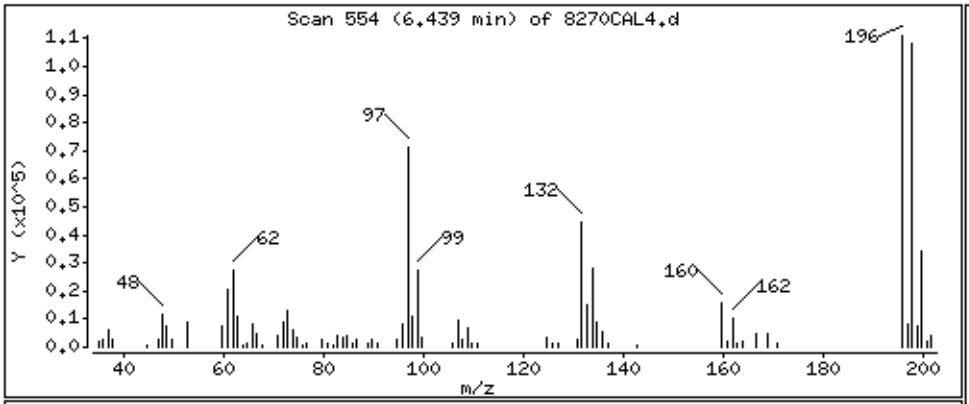
Operator: MJ

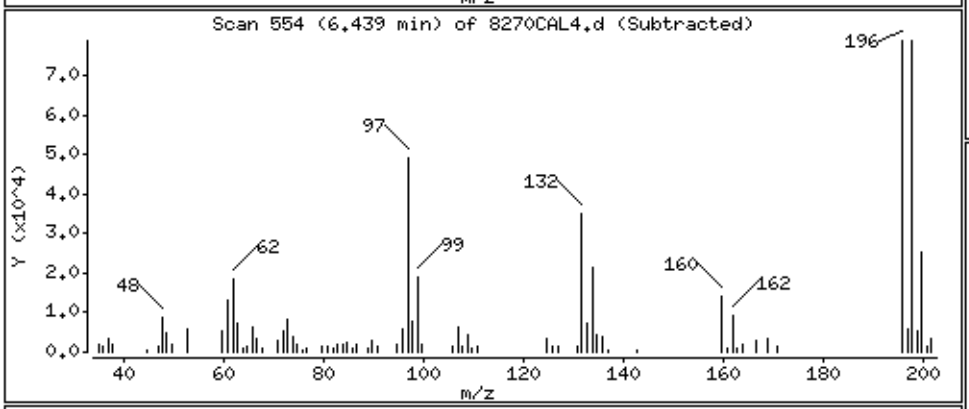
Column phase: HPMS-5

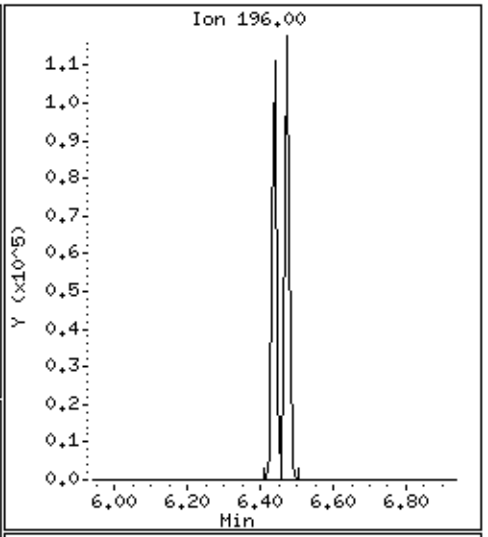
Column diameter: 0.25

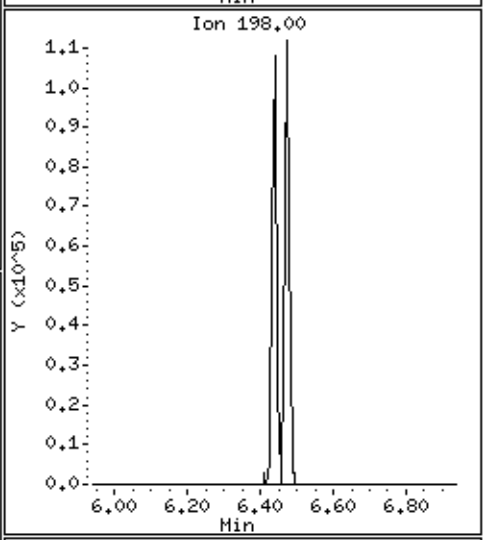
57 2,4,6-Trichlorophenol

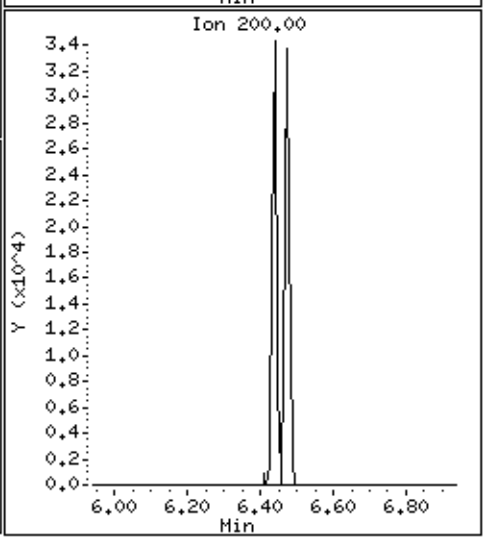
Concentration: 44.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

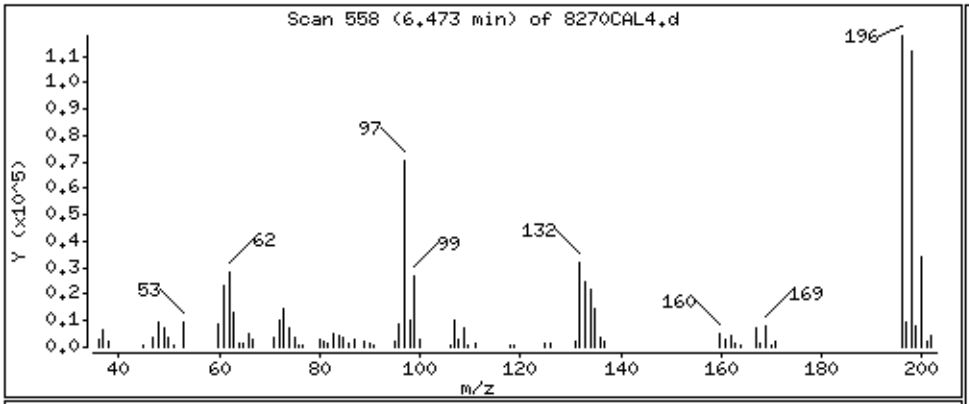
Operator: MJ

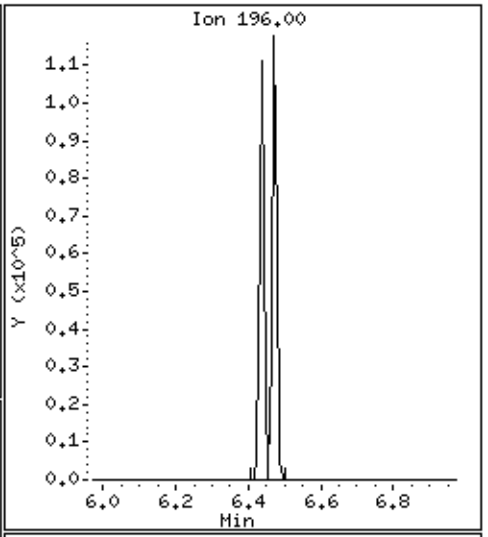
Column phase: HPMS-5

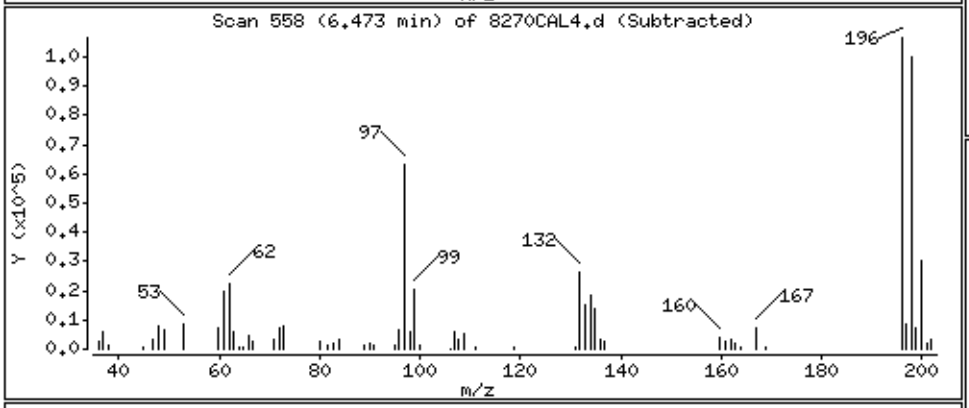
Column diameter: 0.25

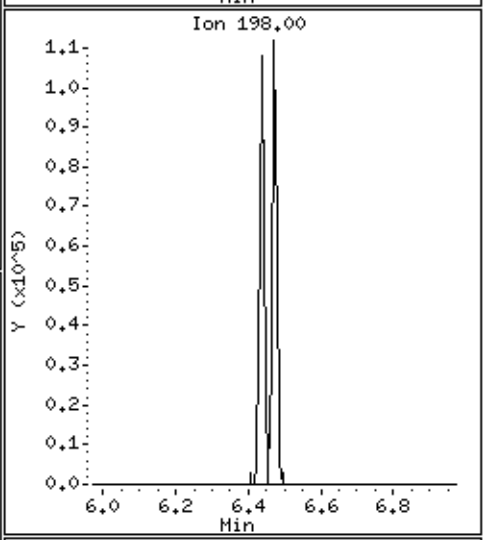
58 2,4,5-Trichlorophenol

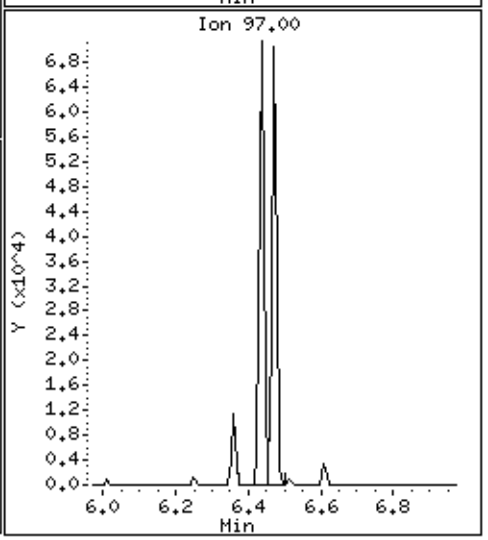
Concentration: 43.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

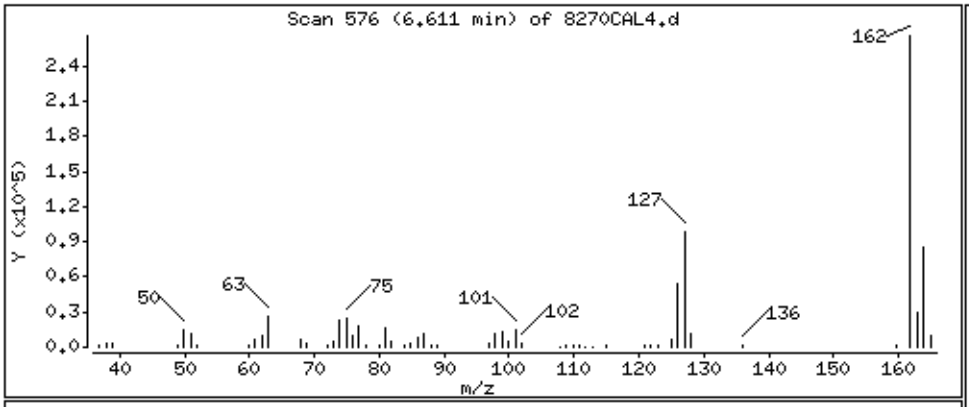
Client ID: 8270CAL4 Instrument: smsd04.i

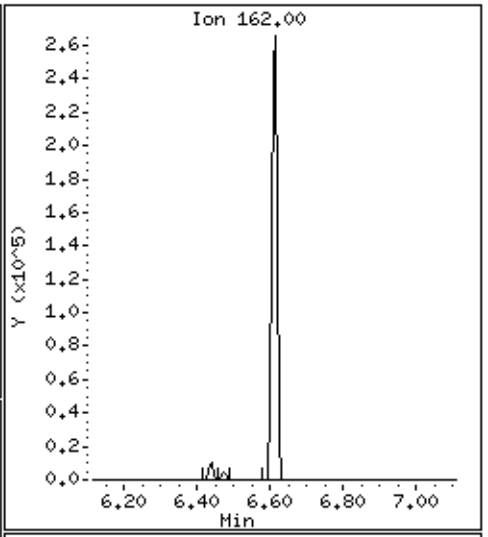
Sample Info: 47766

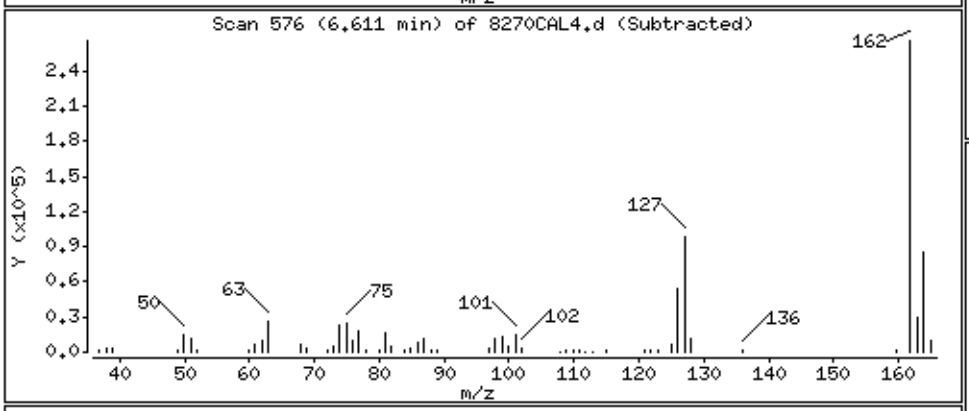
Operator: MJ

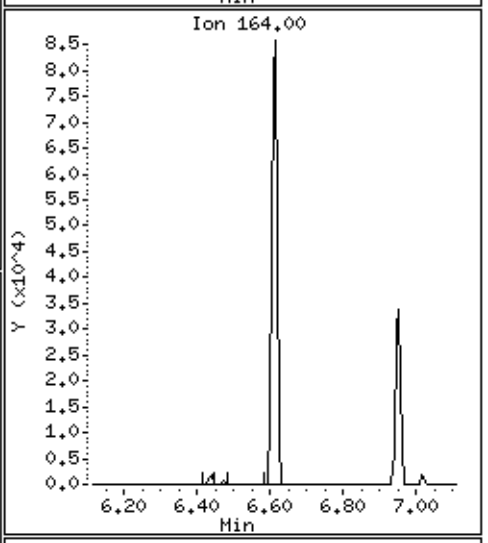
Column phase: HPMS-5 Column diameter: 0.25

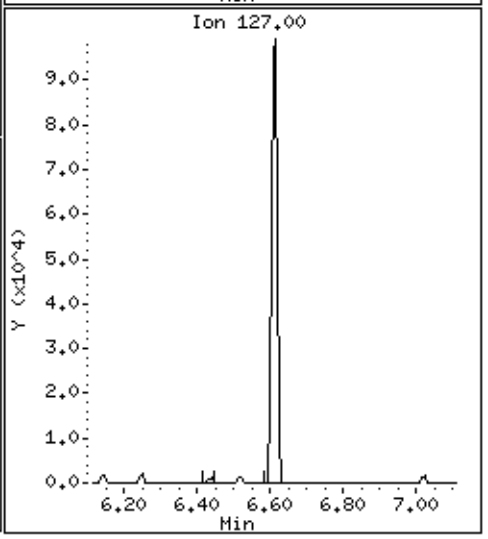
62 2-Chloronaphthalene Concentration: 45.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

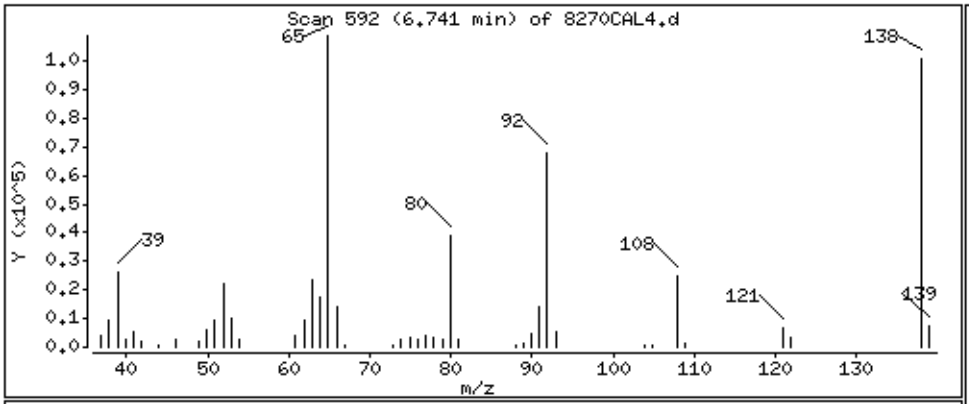
Operator: MJ

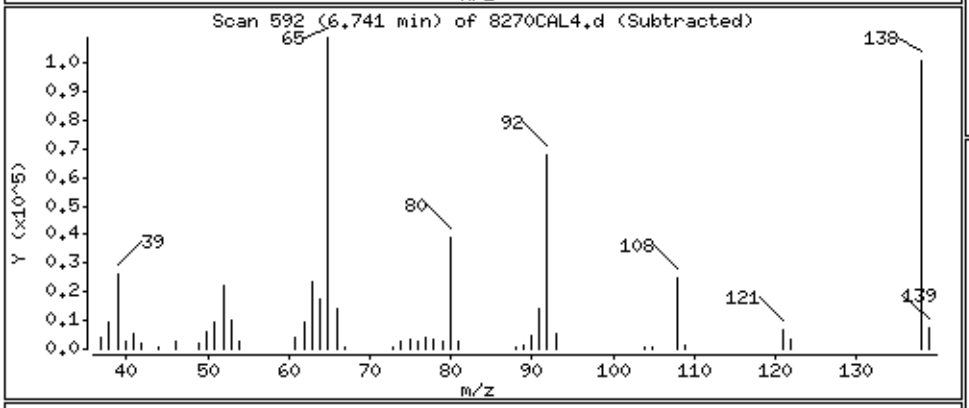
Column phase: HPMS-5

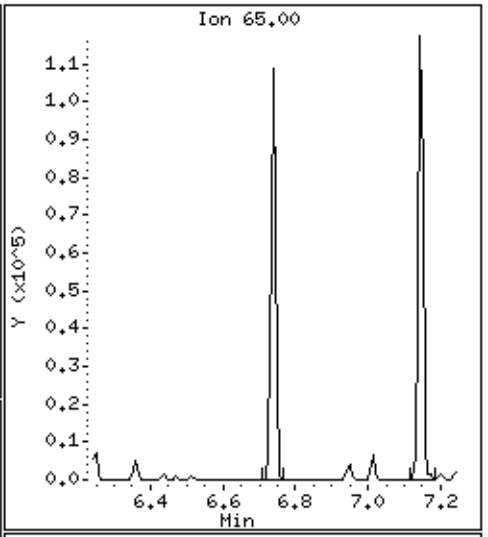
Column diameter: 0.25

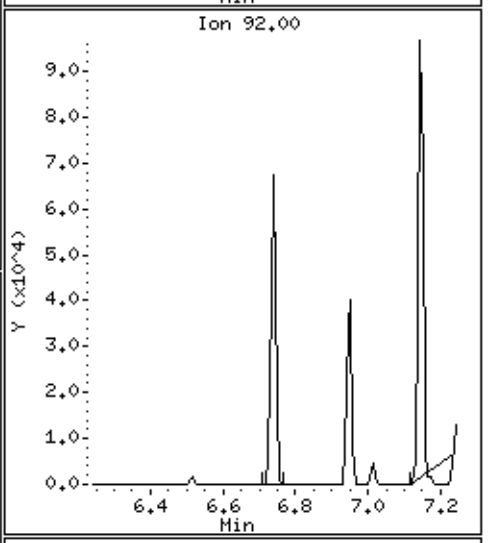
63 2-Nitroaniline

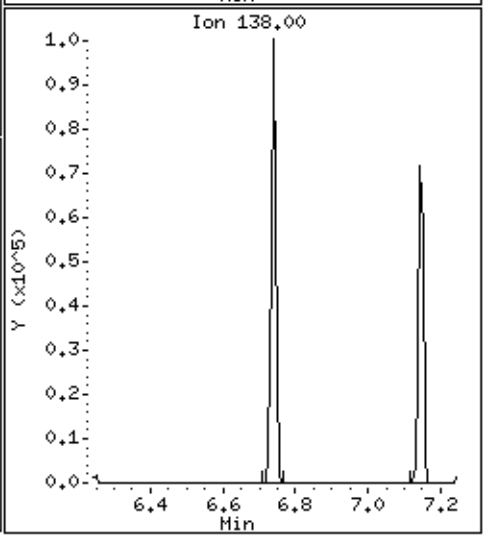
Concentration: 44.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

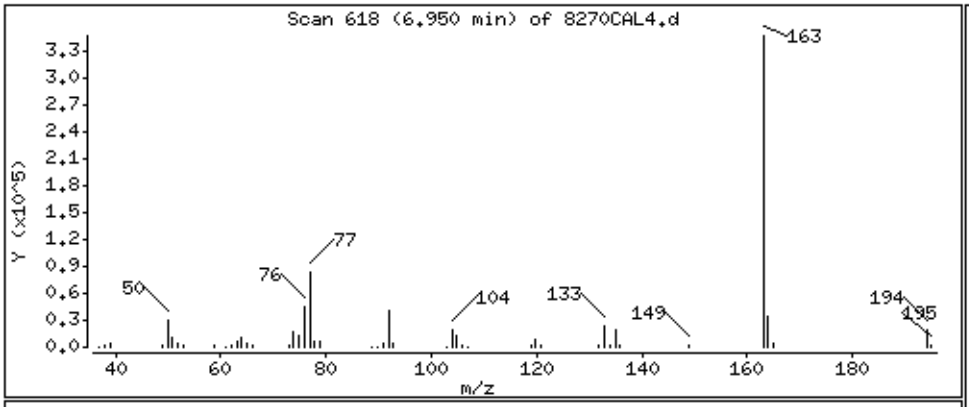
Client ID: 8270CAL4 Instrument: smsd04.i

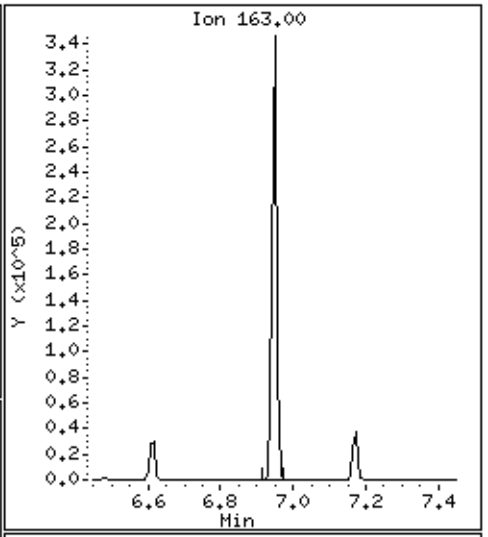
Sample Info: 47766

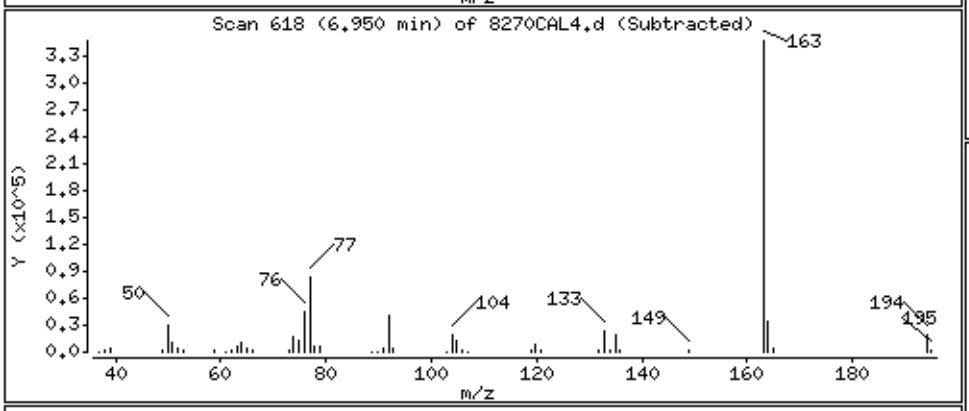
Operator: MJ

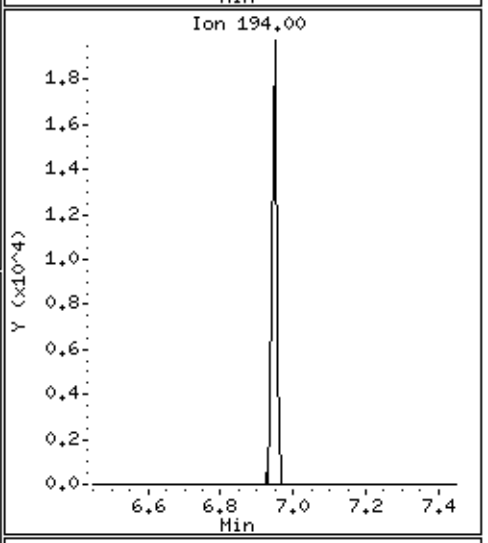
Column phase: HPMS-5 Column diameter: 0.25

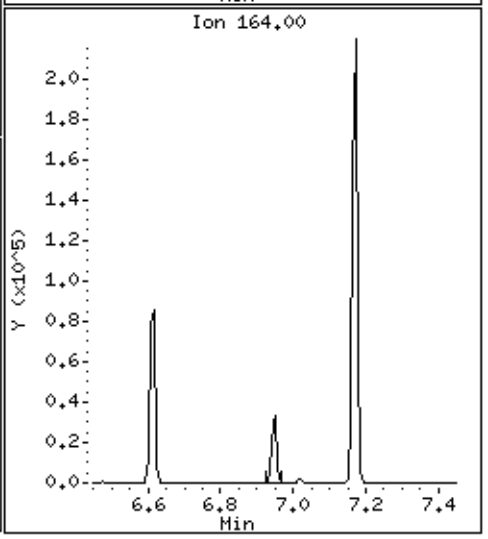
65 Dimethylphthalate Concentration: 44.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

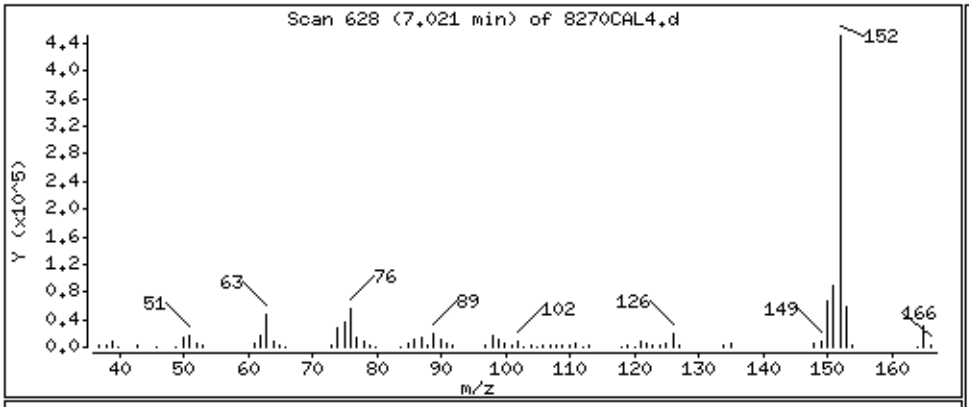
Operator: MJ

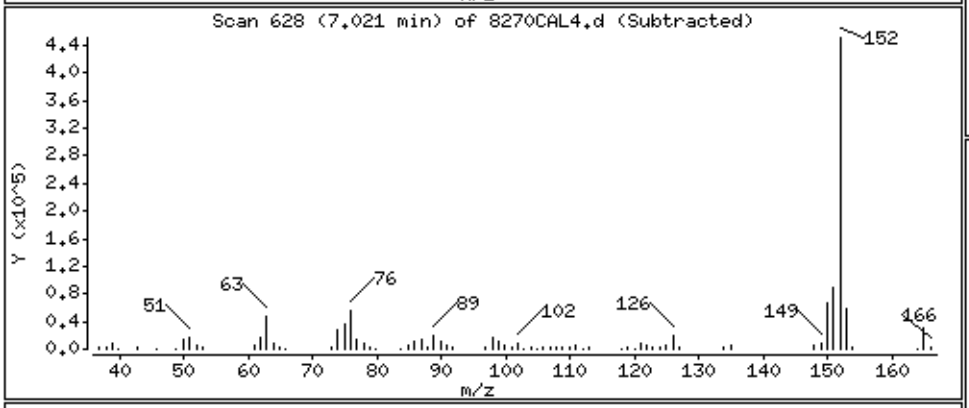
Column phase: HPMS-5

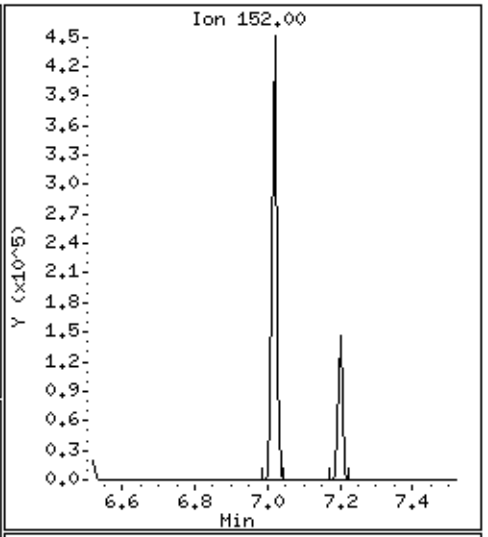
Column diameter: 0.25

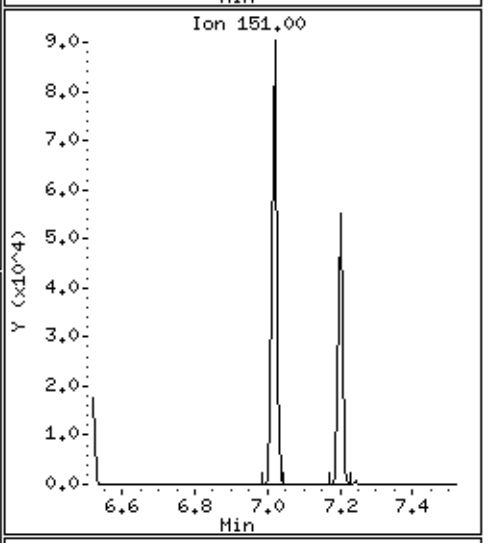
68 Acenaphthylene

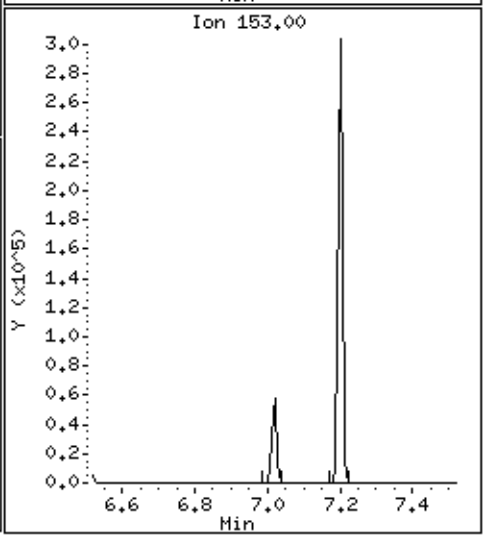
Concentration: 43.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

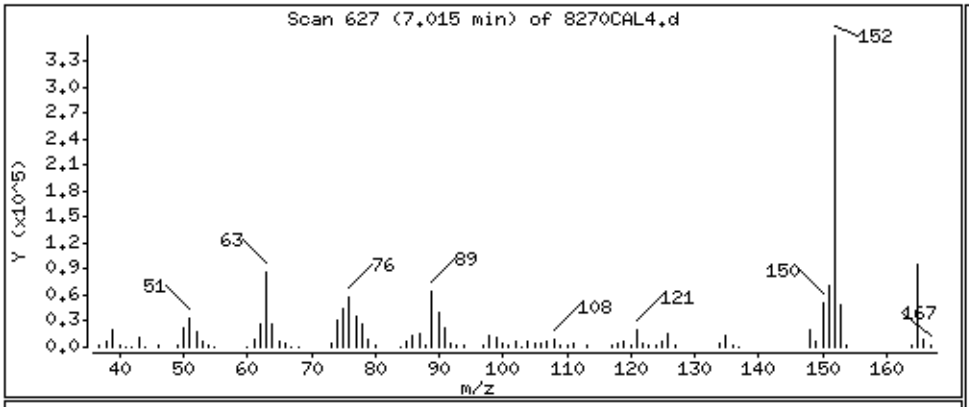
Operator: MJ

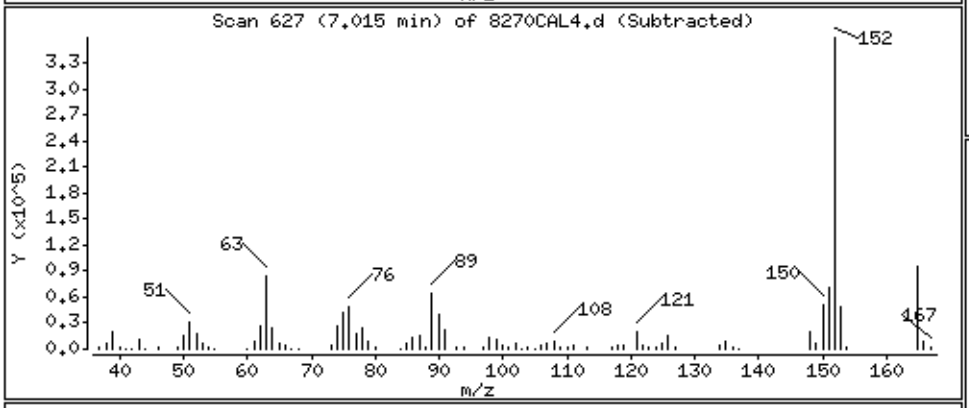
Column phase: HPMS-5

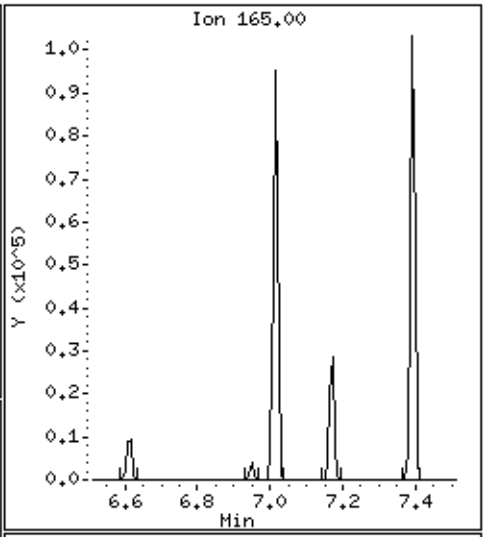
Column diameter: 0.25

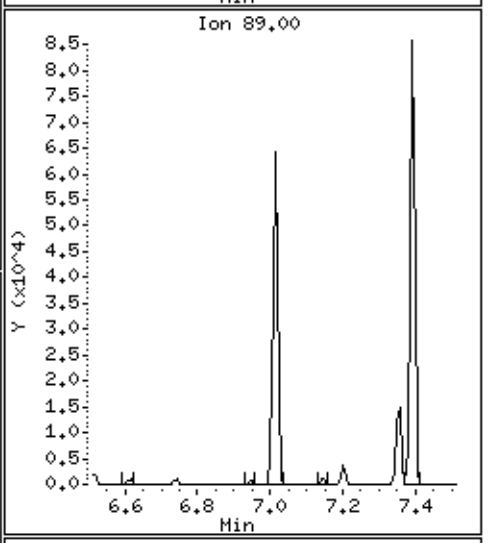
67 2,6-Dinitrotoluene

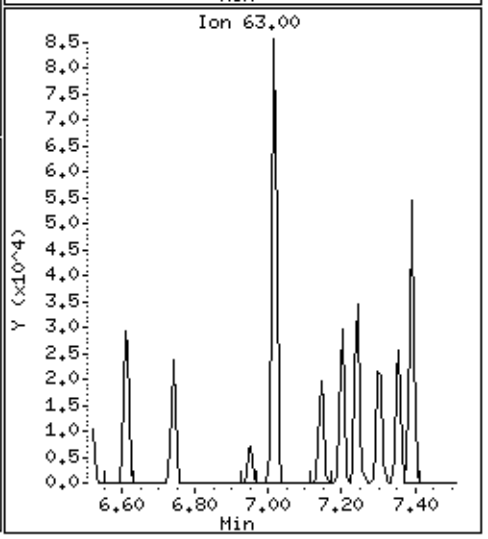
Concentration: 43.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

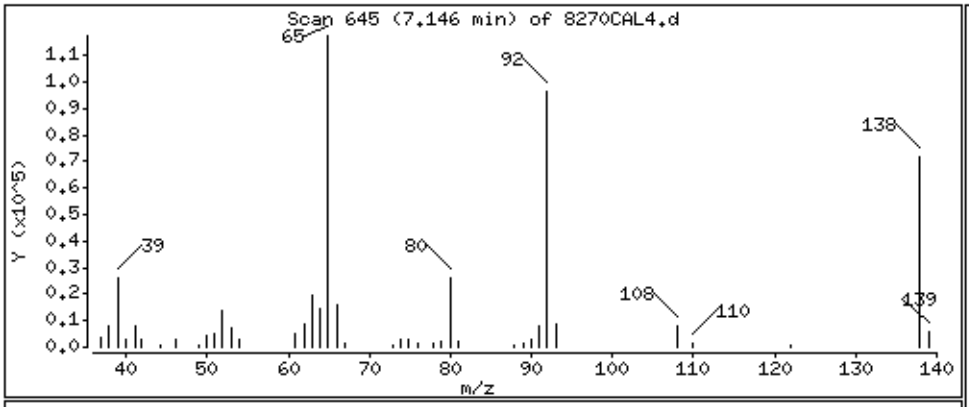
Operator: MJ

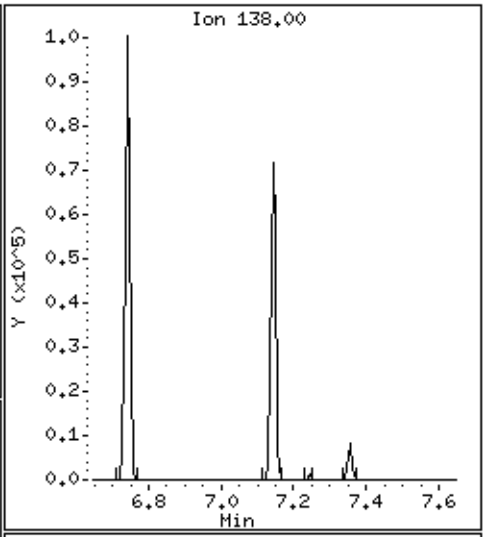
Column phase: HPMS-5

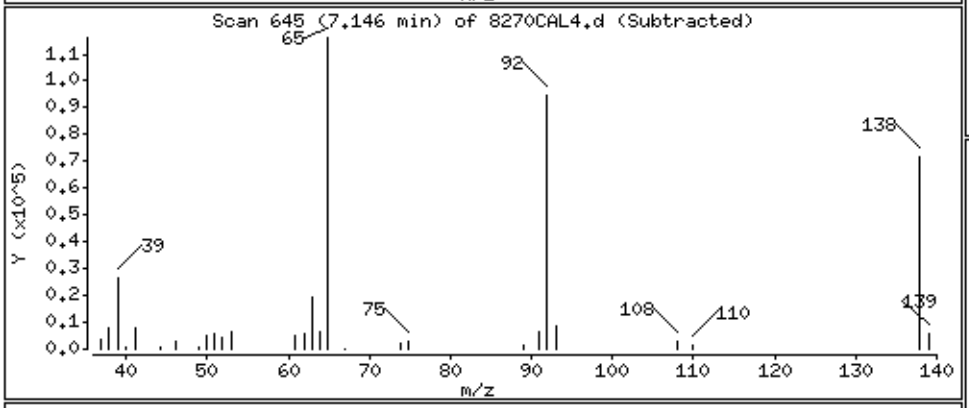
Column diameter: 0.25

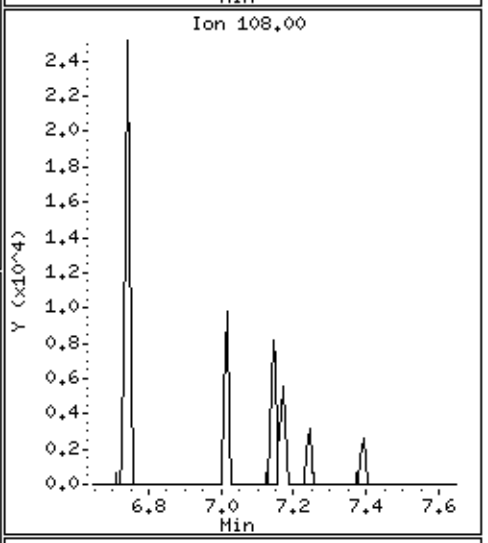
69 3-Nitroaniline

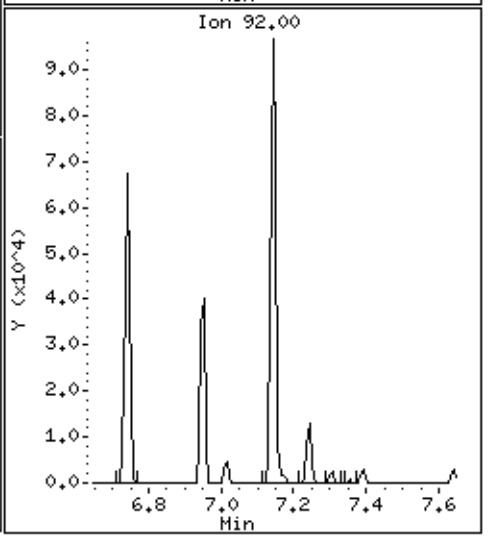
Concentration: 44.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

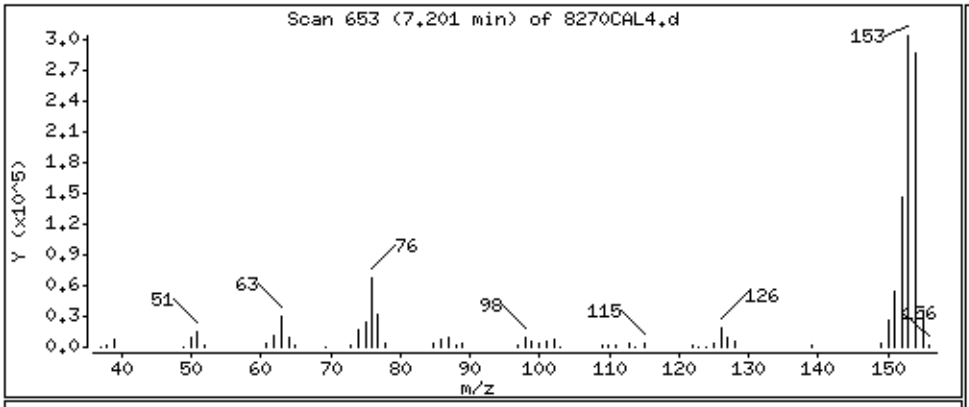
Operator: MJ

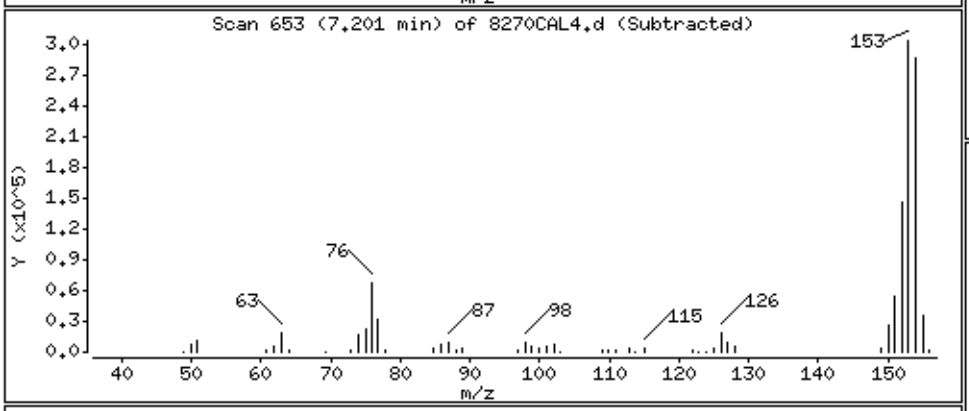
Column phase: HPMS-5

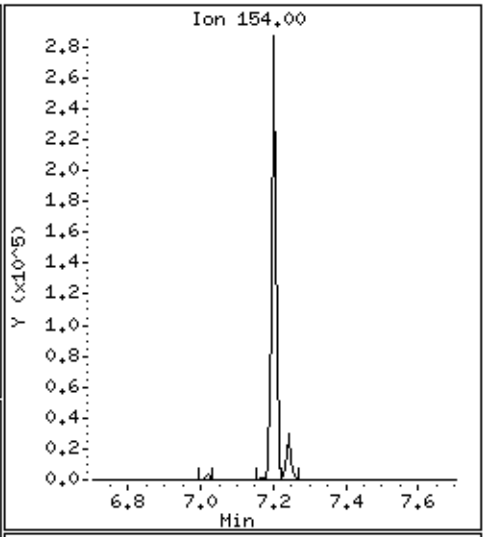
Column diameter: 0.25

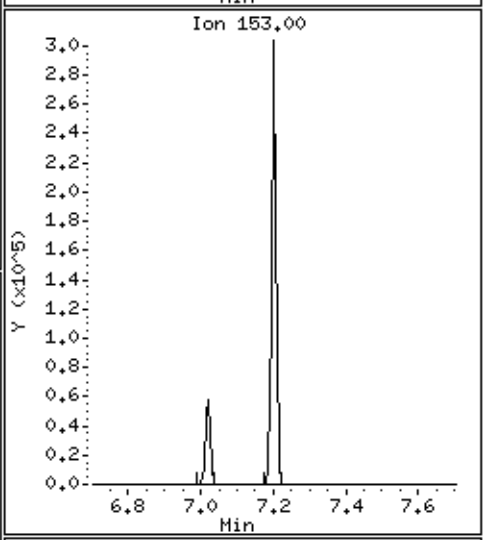
71 Acenaphthene

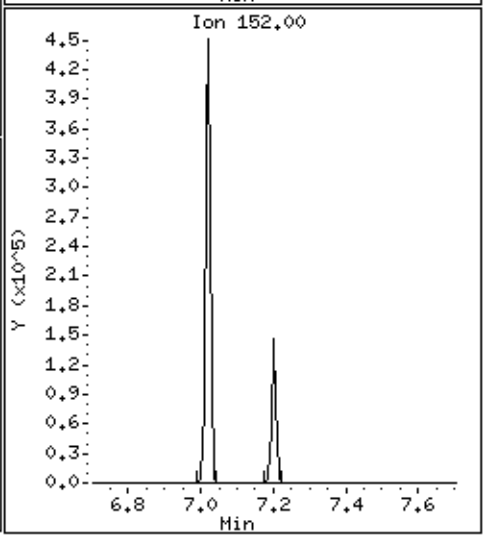
Concentration: 44.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

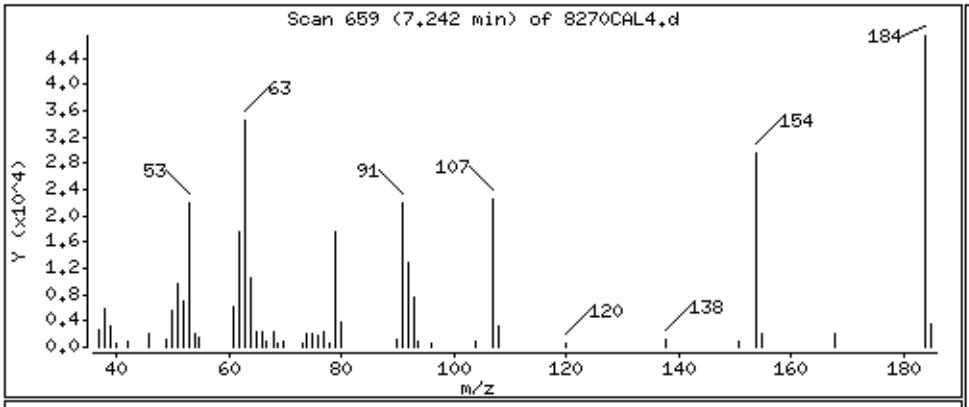
Operator: MJ

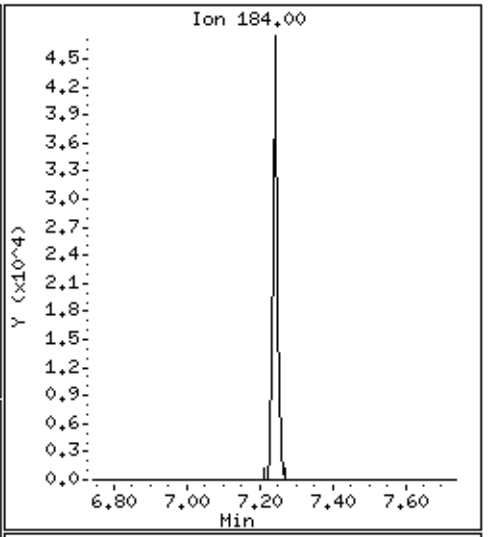
Column phase: HPMS-5

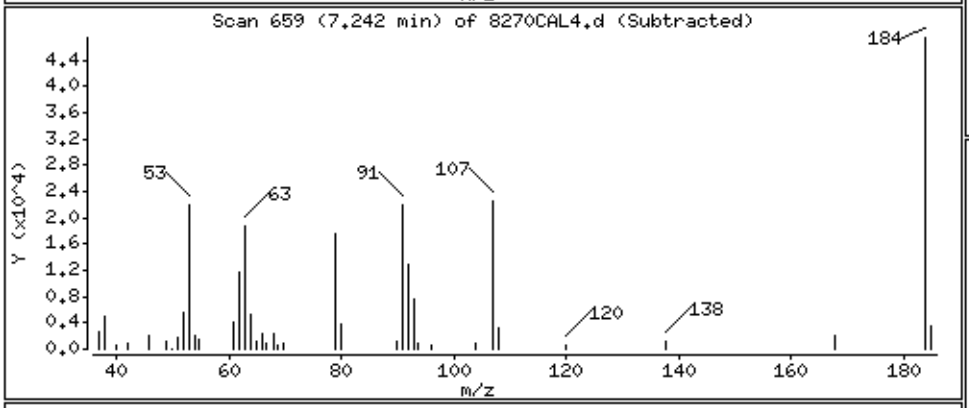
Column diameter: 0.25

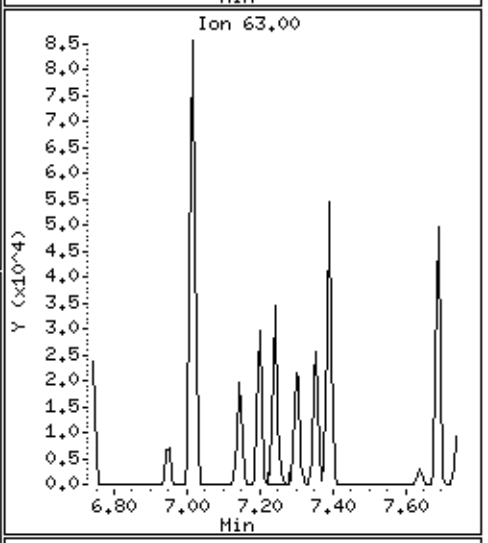
72 2,4-Dinitrophenol

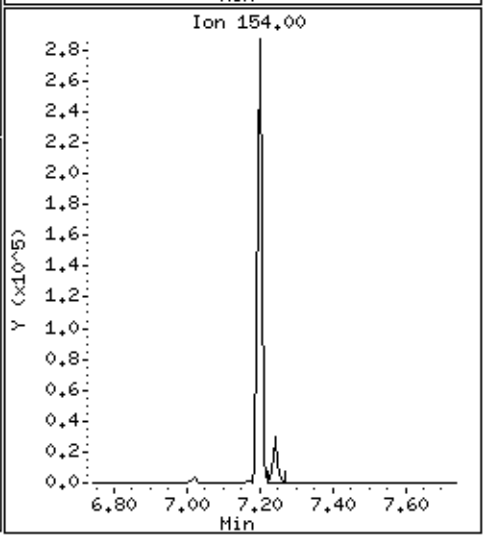
Concentration: 45.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

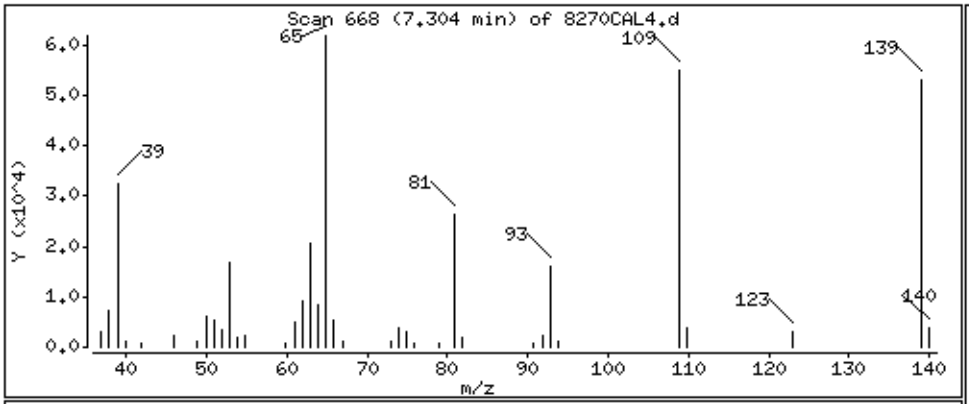
Operator: MJ

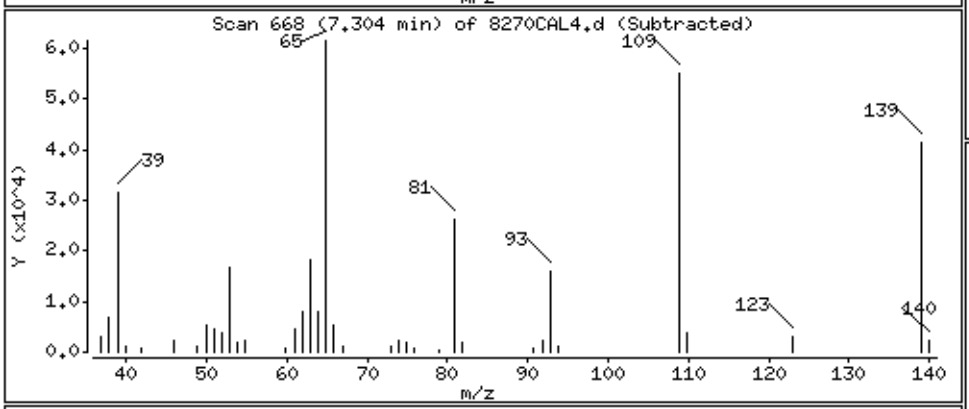
Column phase: HPMS-5

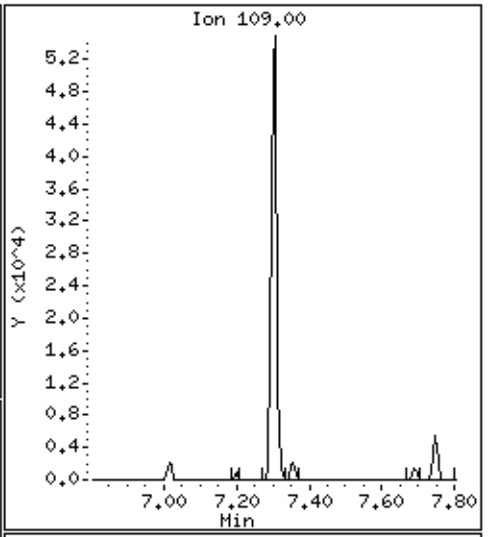
Column diameter: 0.25

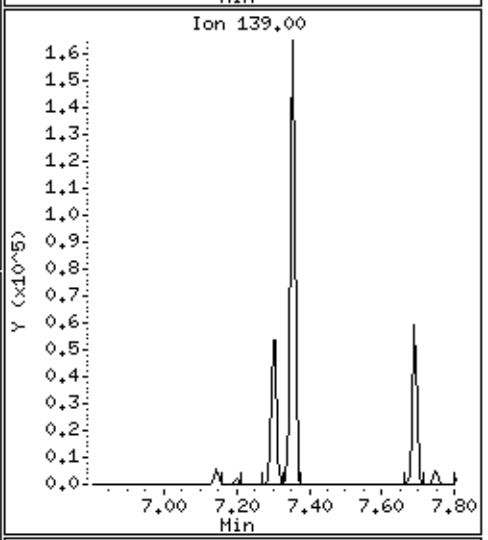
74 4-Nitrophenol

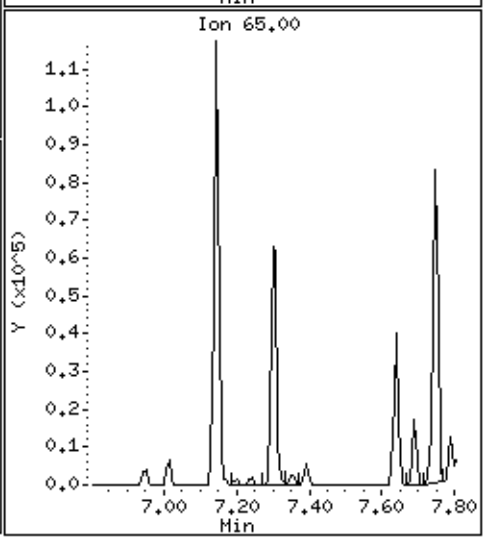
Concentration: 40.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

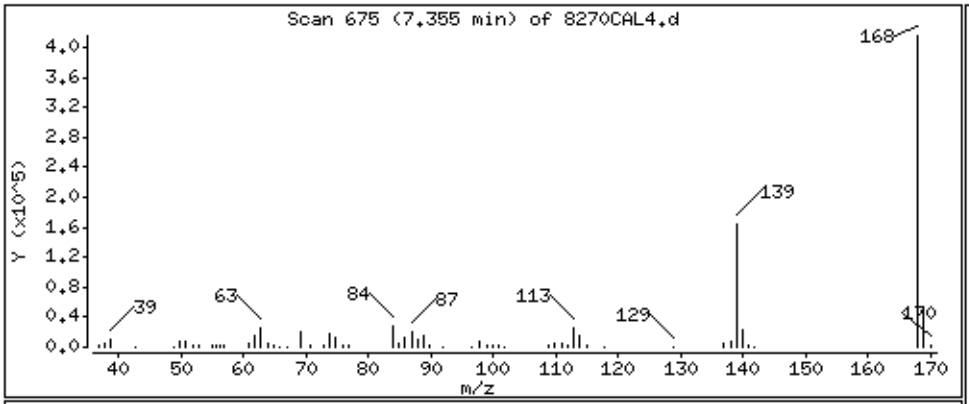
Operator: MJ

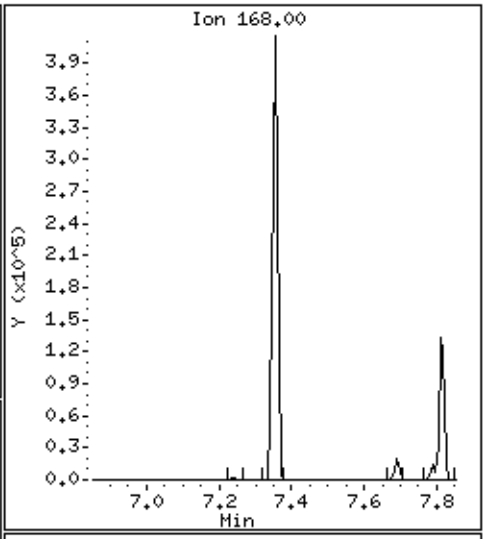
Column phase: HPMS-5

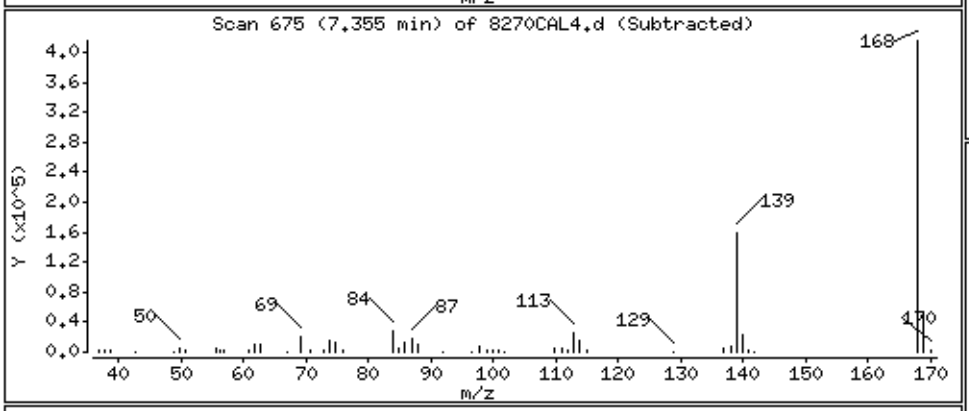
Column diameter: 0.25

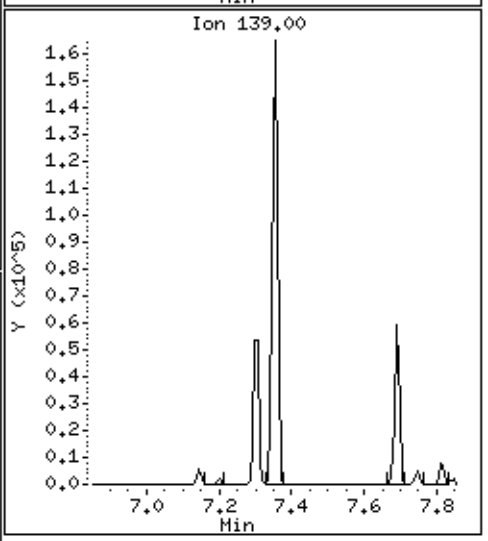
75 Dibenzofuran

Concentration: 43.7 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

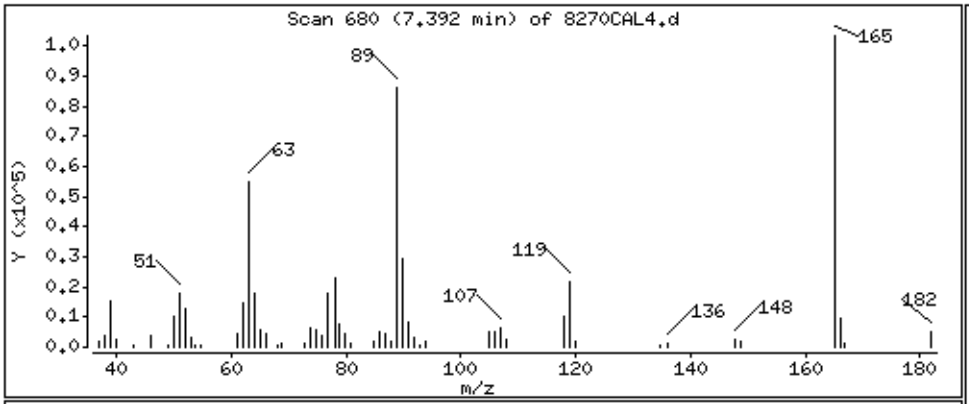
Operator: MJ

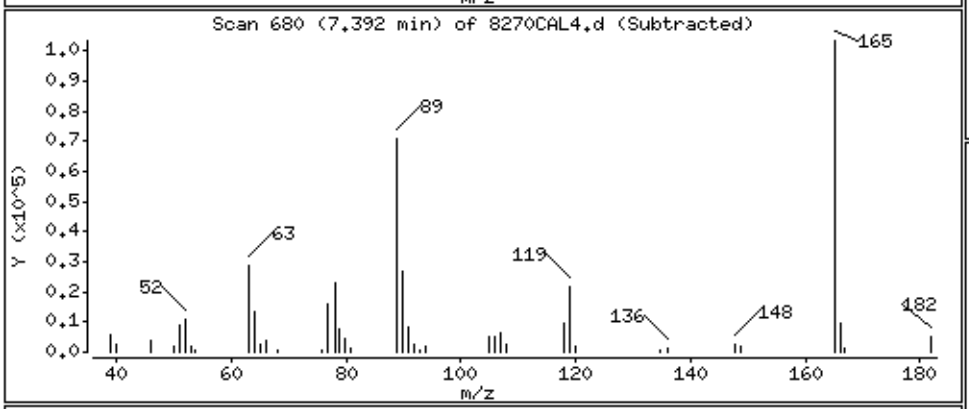
Column phase: HPMS-5

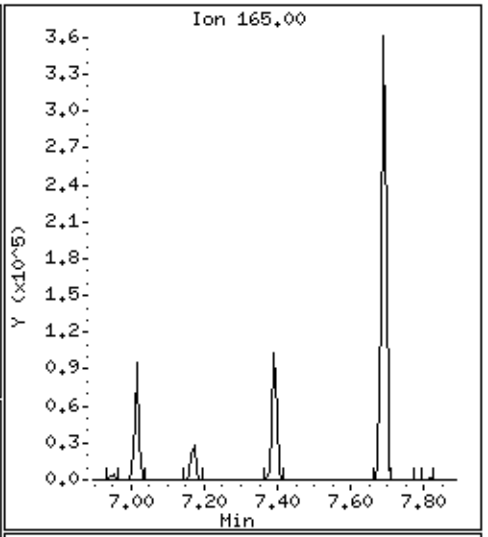
Column diameter: 0.25

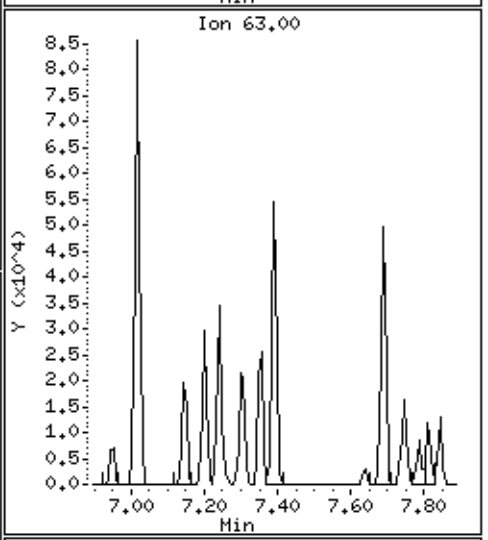
76 2,4-Dinitrotoluene

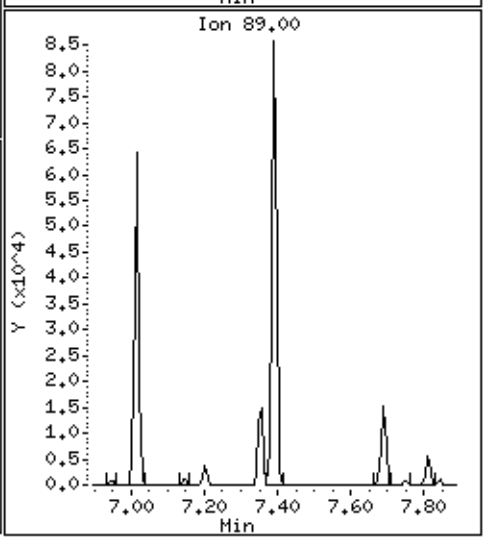
Concentration: 42.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

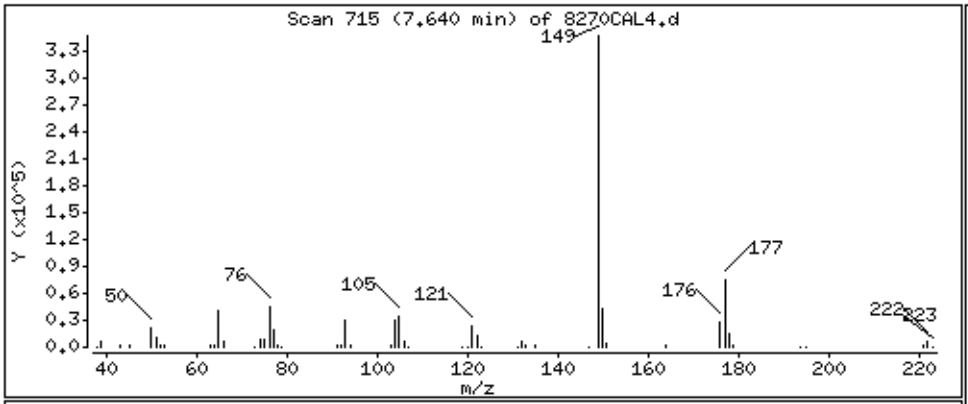
Client ID: 8270CAL4 Instrument: smsd04.i

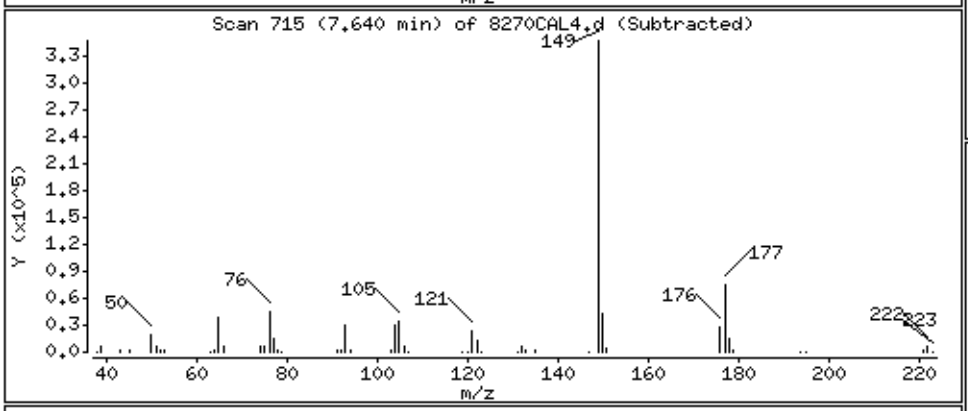
Sample Info: 47766

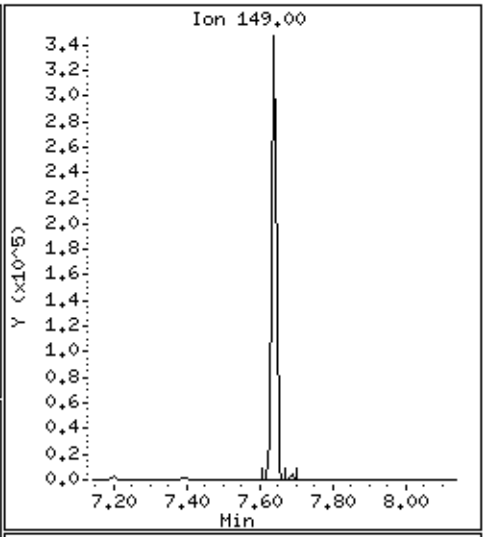
Operator: MJ

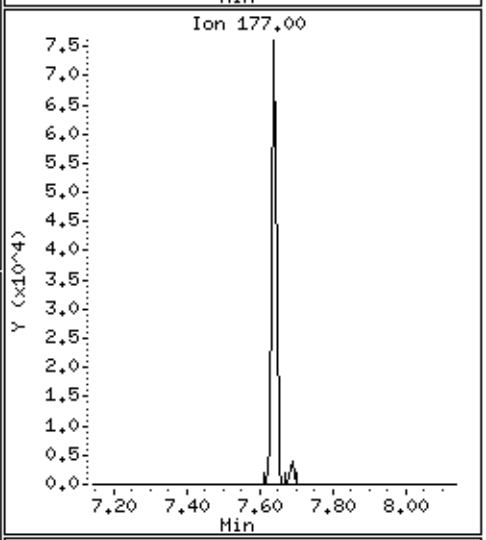
Column phase: HPMS-5 Column diameter: 0.25

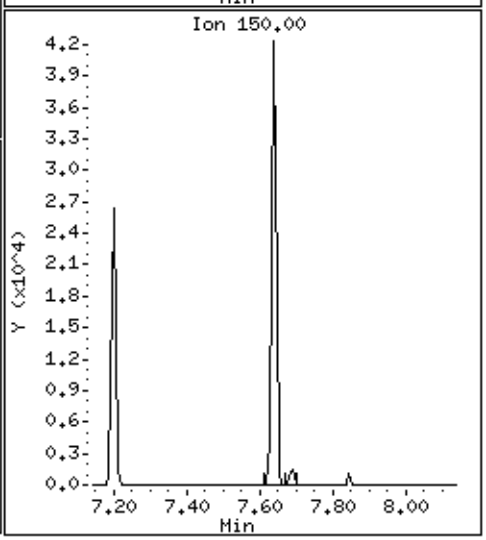
80 Diethylphthalate Concentration: 42.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

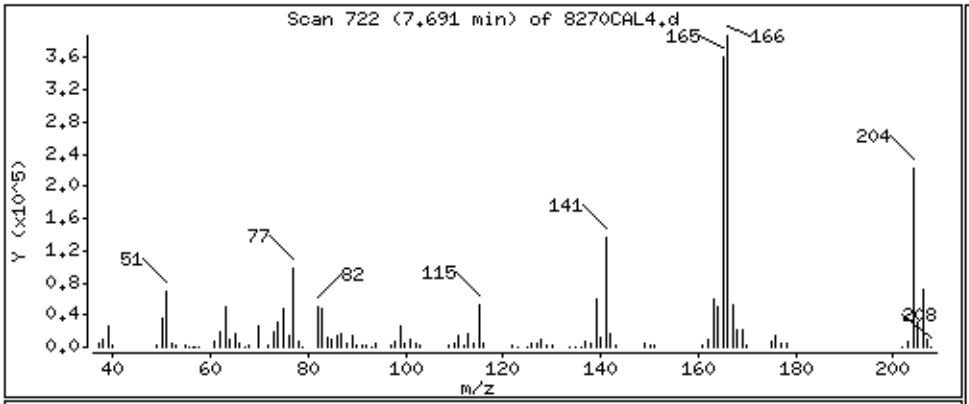
Operator: MJ

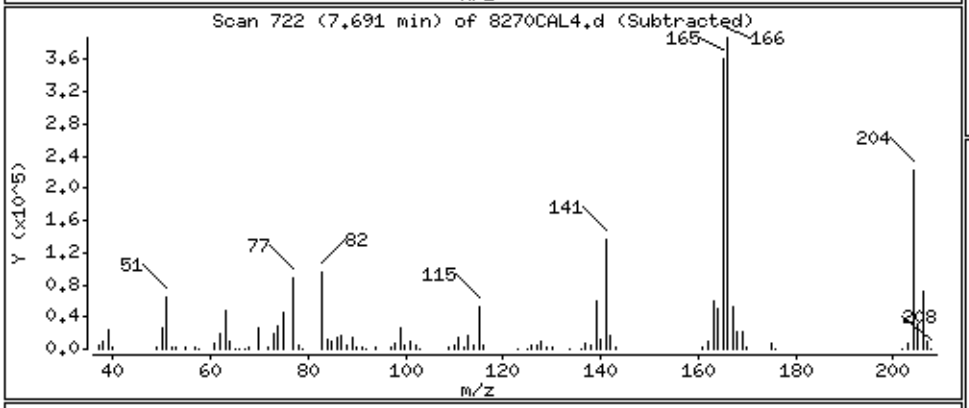
Column phase: HPMS-5

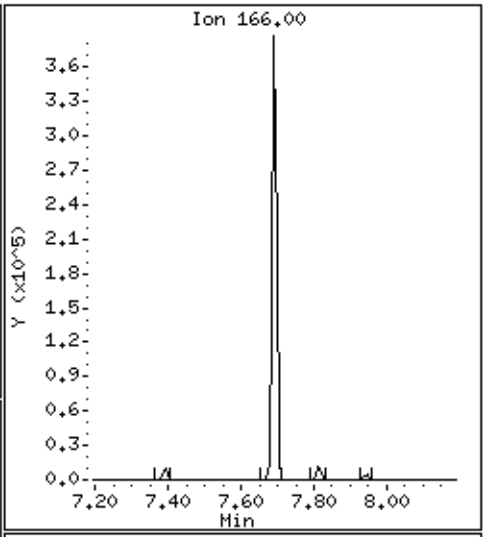
Column diameter: 0.25

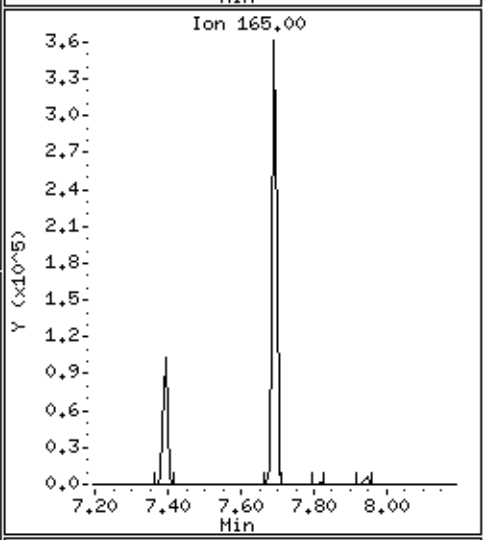
81 Fluorene

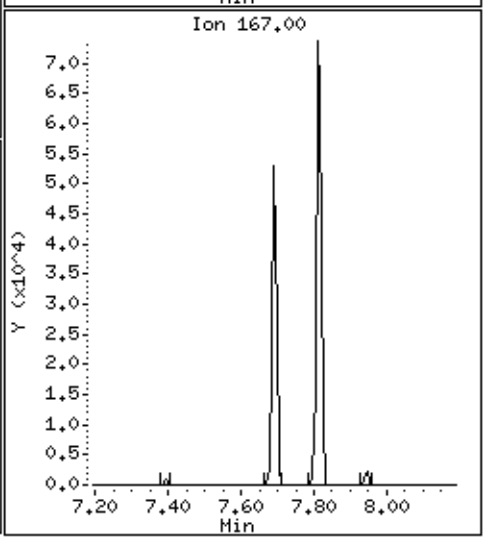
Concentration: 42.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

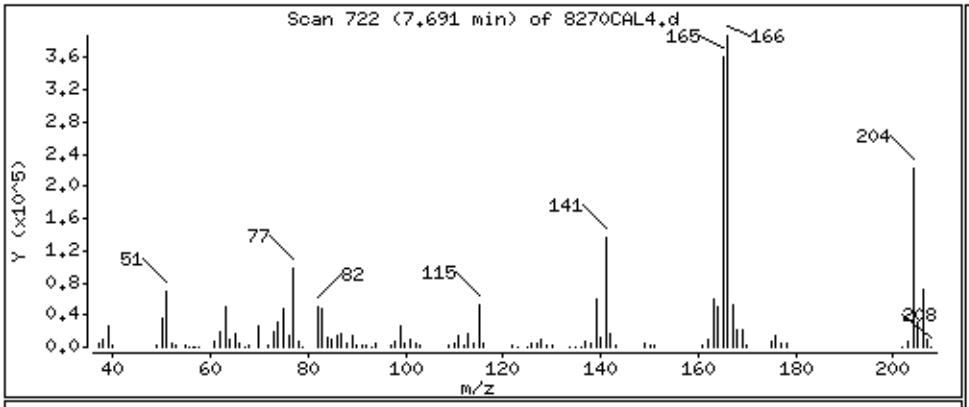
Client ID: 8270CAL4 Instrument: smsd04.i

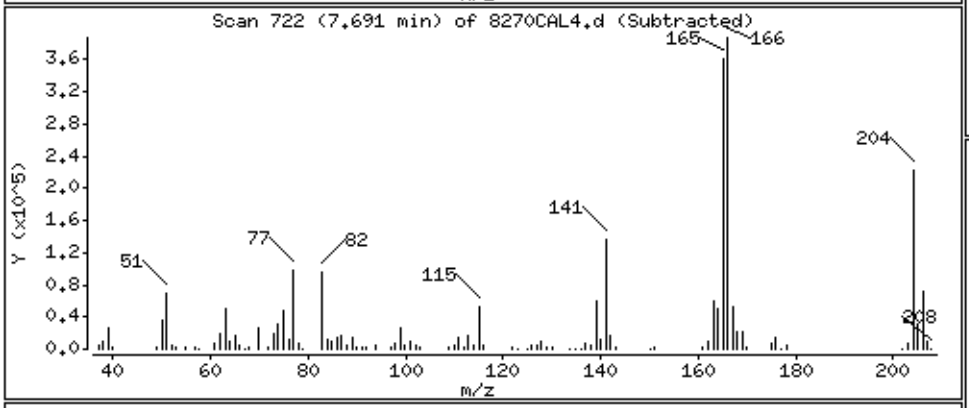
Sample Info: 47766

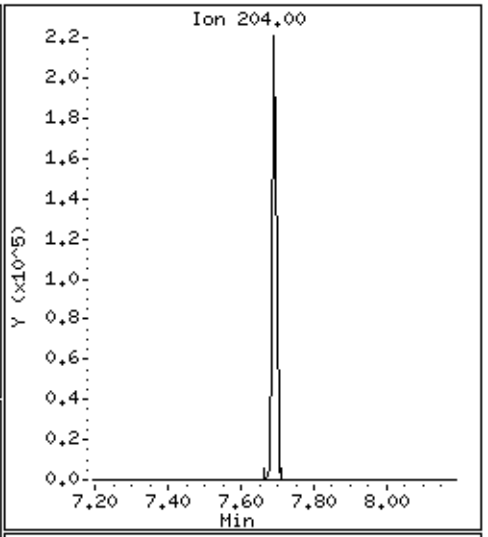
Operator: MJ

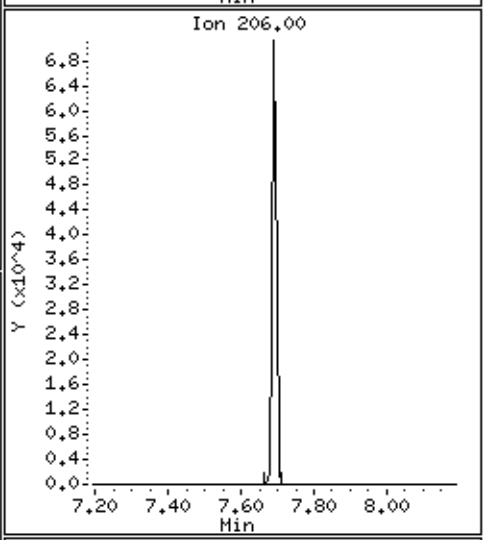
Column phase: HPMS-5 Column diameter: 0.25

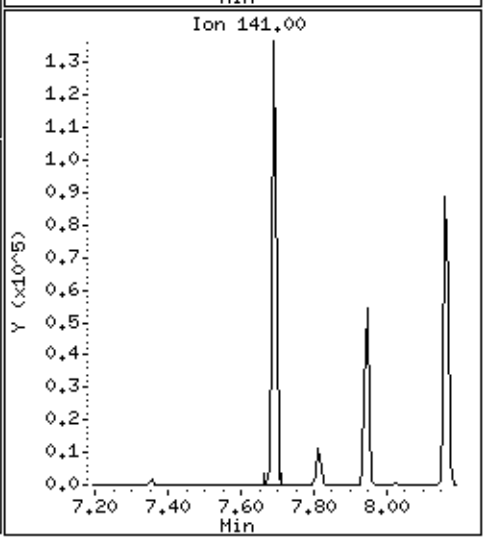
82 4-Chlorophenyl-phenylether Concentration: 43.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

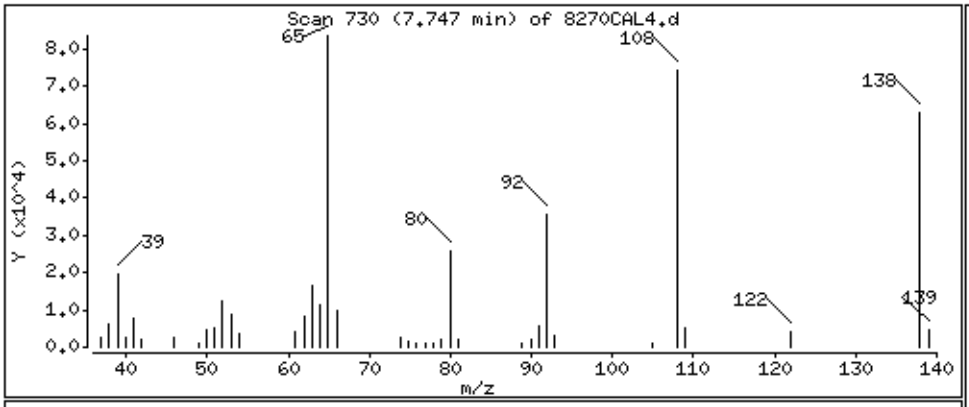
Client ID: 8270CAL4 Instrument: smsd04.i

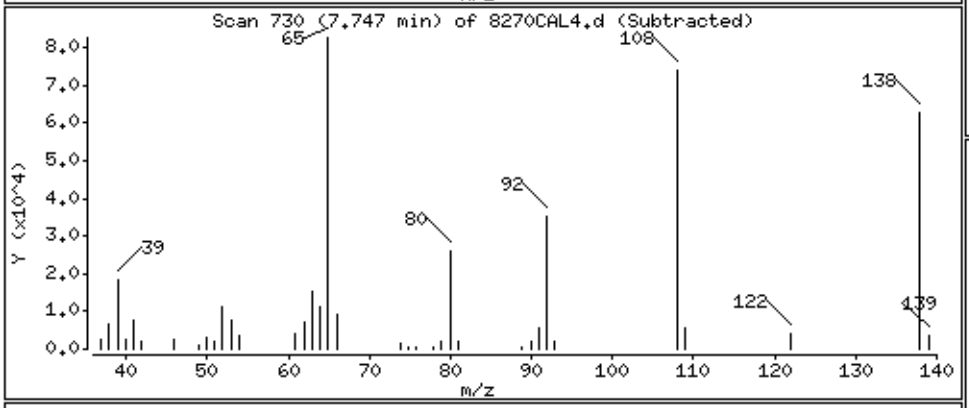
Sample Info: 47766

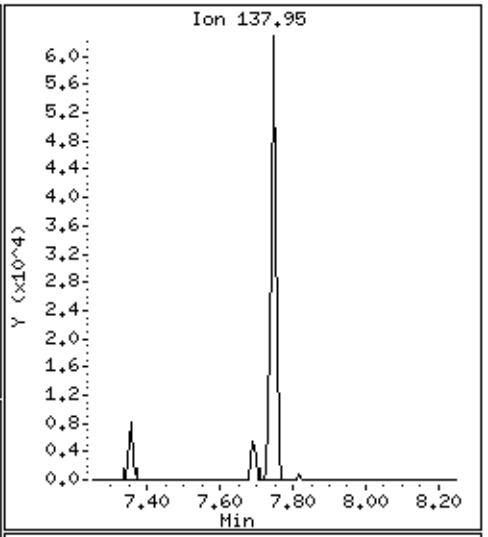
Operator: MJ

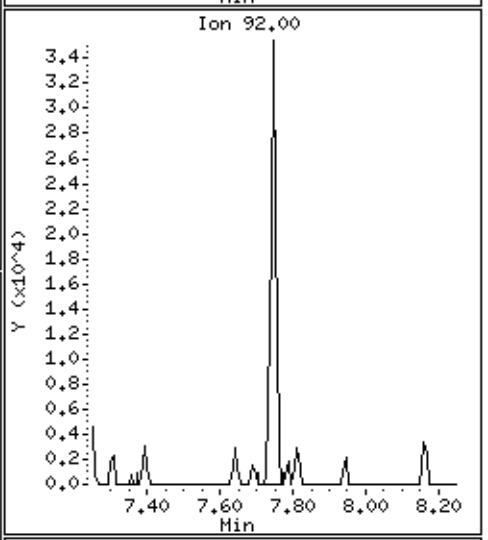
Column phase: HPMS-5 Column diameter: 0.25

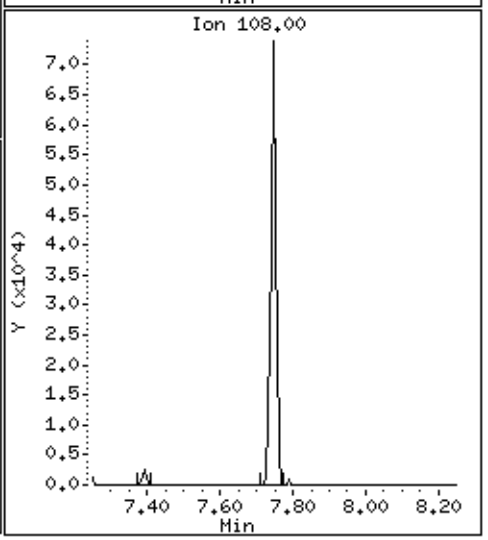
84 4-Nitroaniline Concentration: 42.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

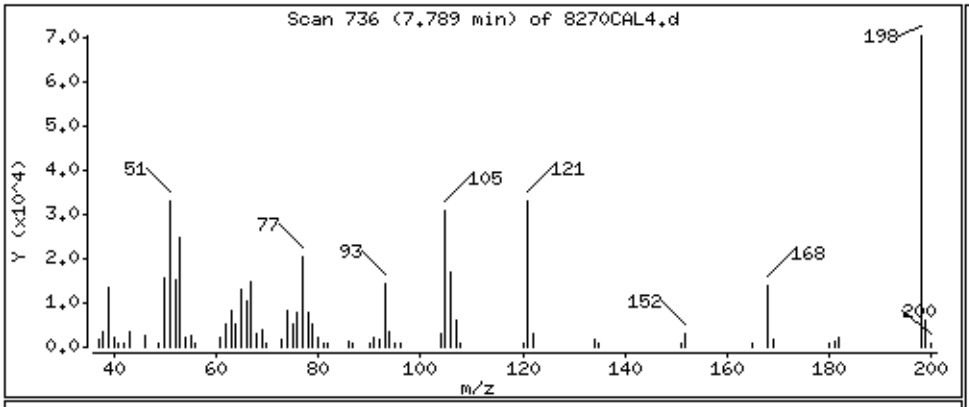
Client ID: 8270CAL4 Instrument: smsd04.i

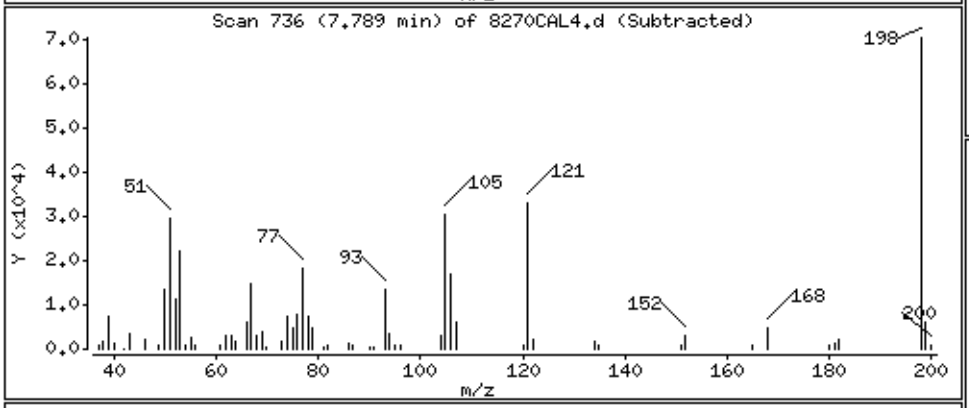
Sample Info: 47766

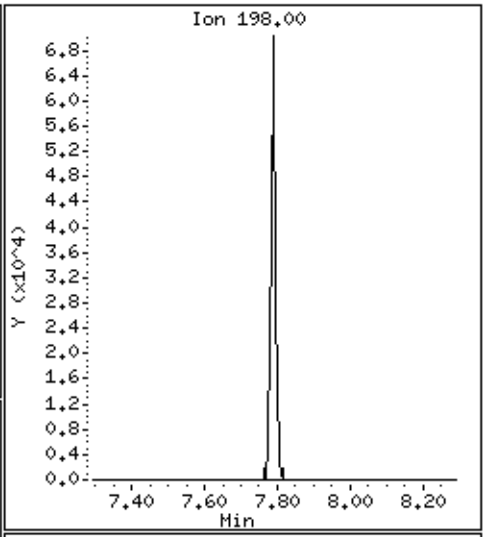
Operator: MJ

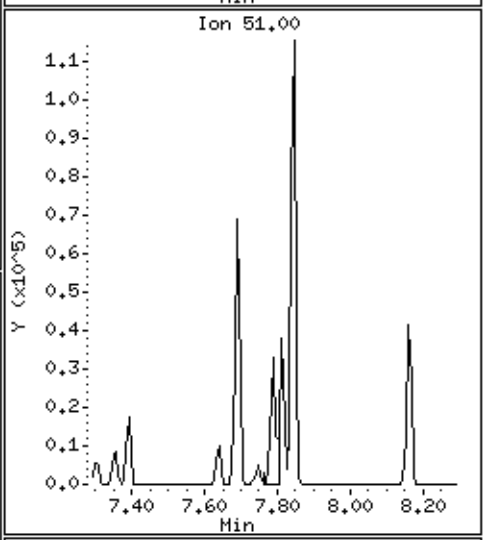
Column phase: HPMS-5 Column diameter: 0.25

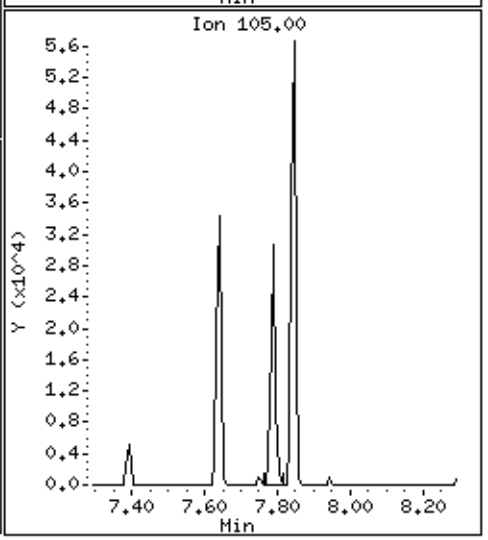
85 4,6-Dinitro-2-methylphenol Concentration: 43.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

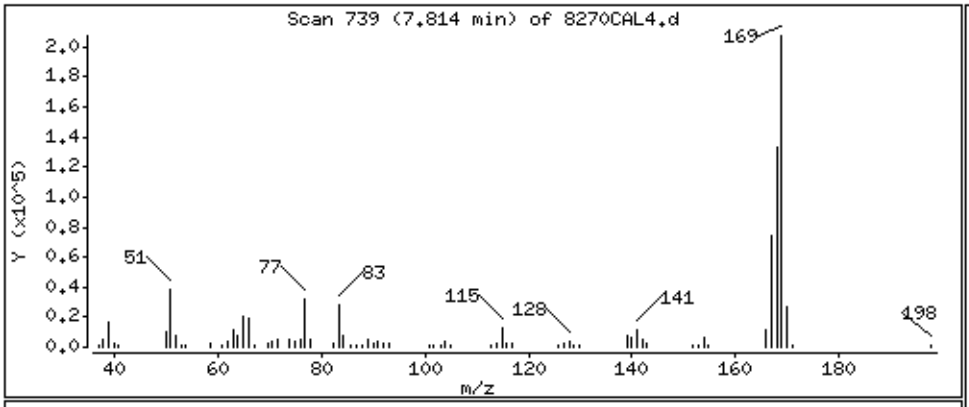
Client ID: 8270CAL4 Instrument: smsd04.i

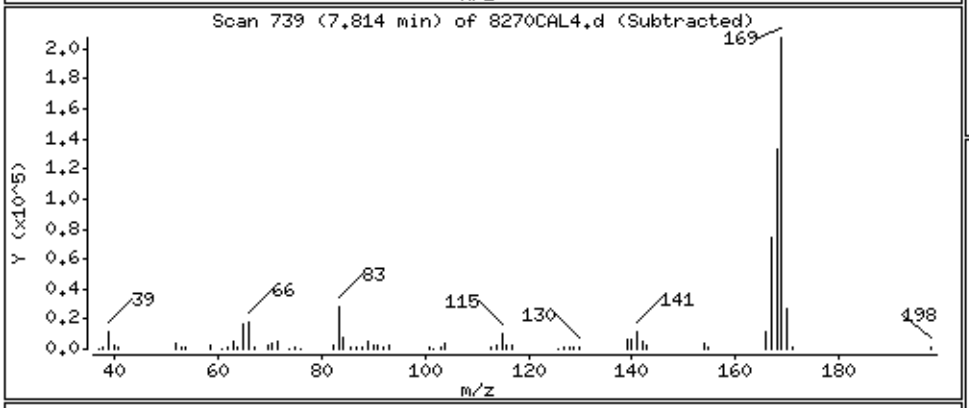
Sample Info: 47766

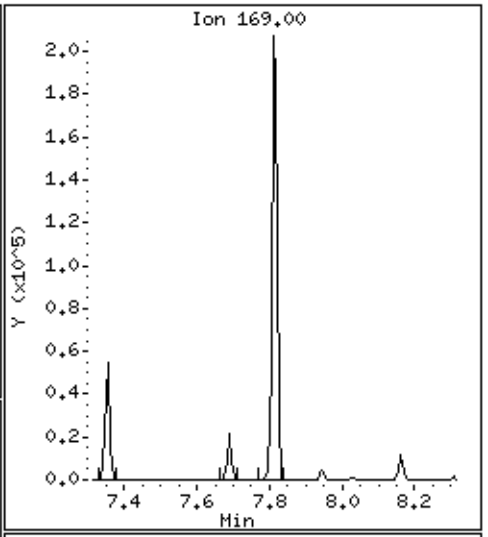
Operator: MJ

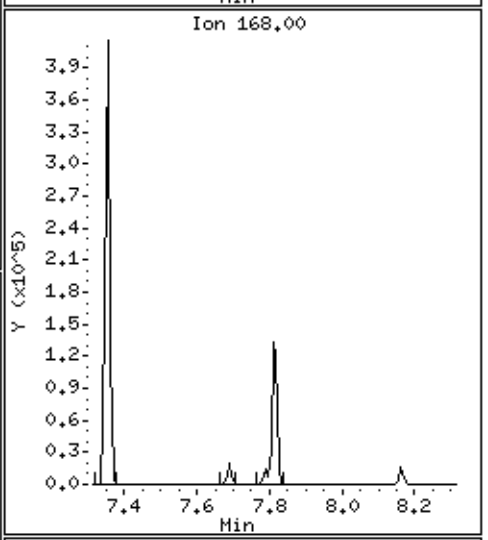
Column phase: HPMS-5 Column diameter: 0.25

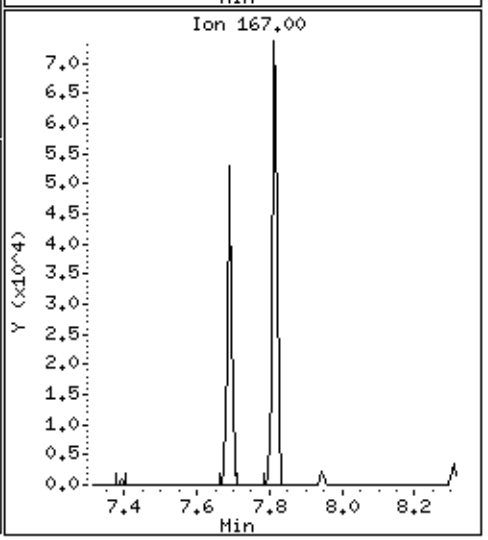
86 N-Nitrosodiphenylamine Concentration: 45.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

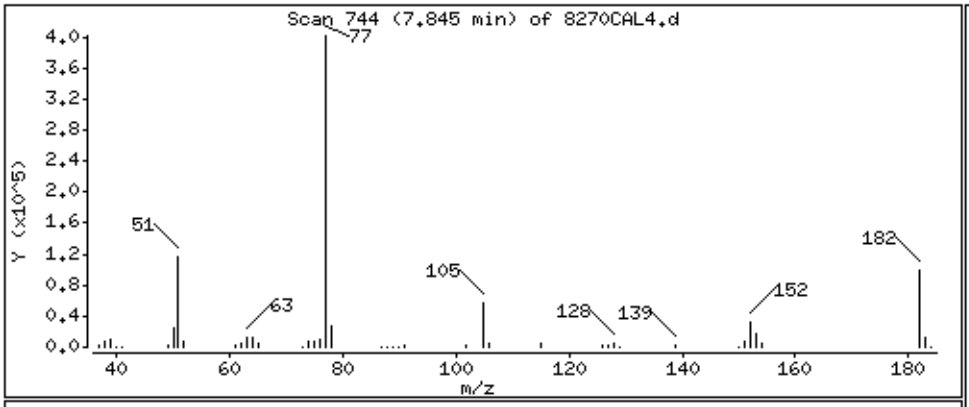
Client ID: 8270CAL4 Instrument: smsd04.i

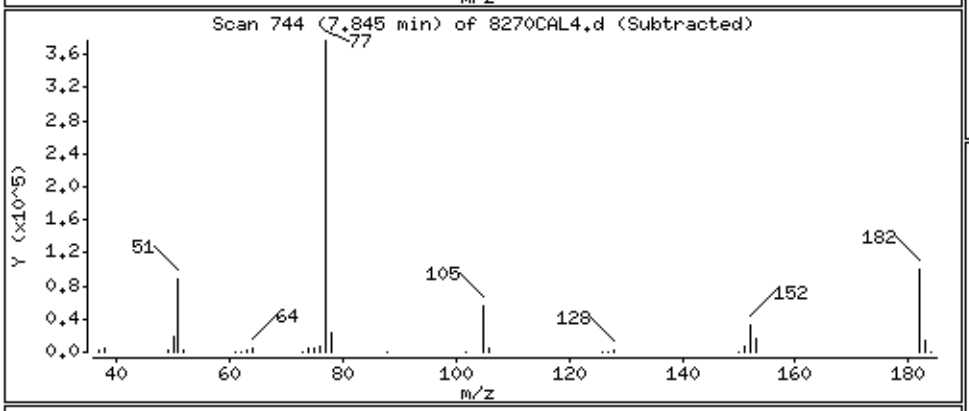
Sample Info: 47766

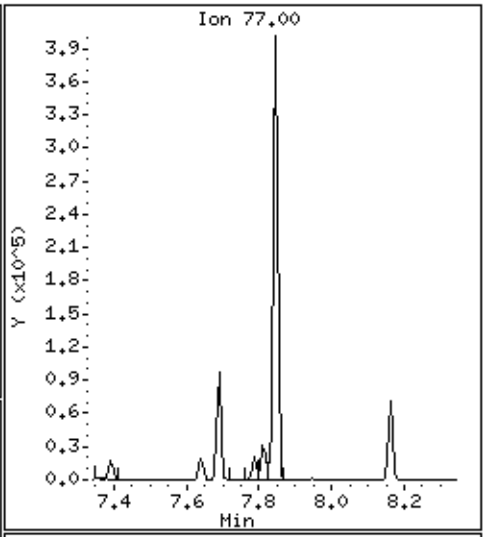
Operator: MJ

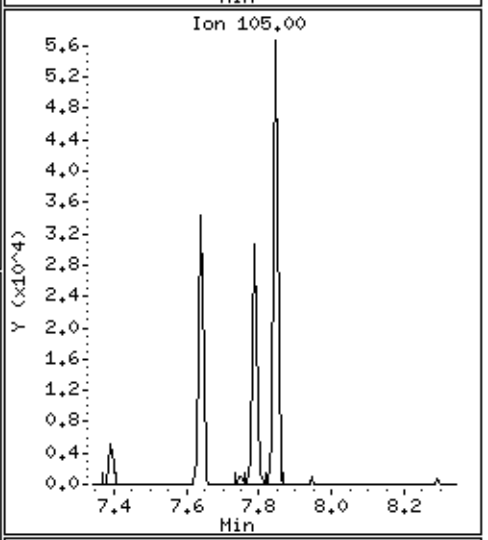
Column phase: HPMS-5 Column diameter: 0.25

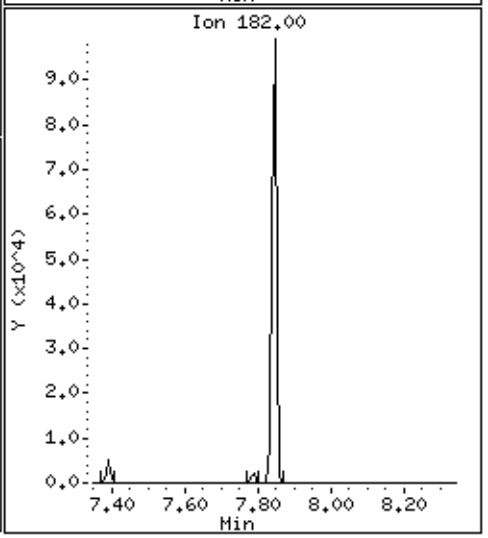
87 1,2-Diphenylhydrazine Concentration: 43.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

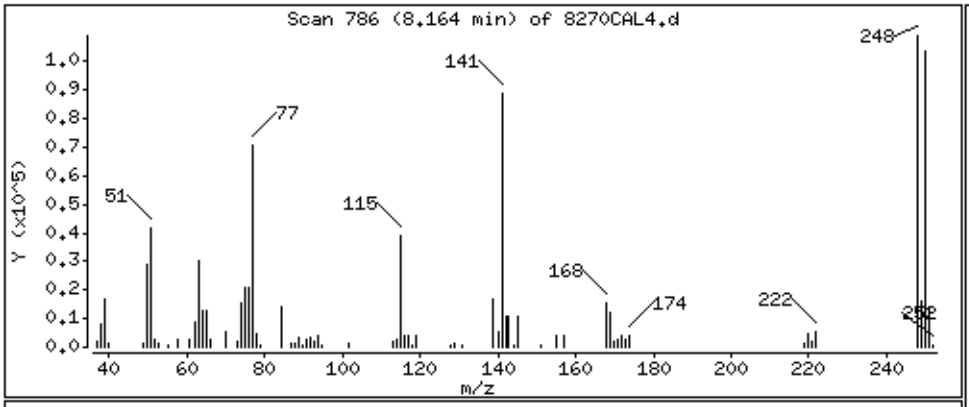
Operator: MJ

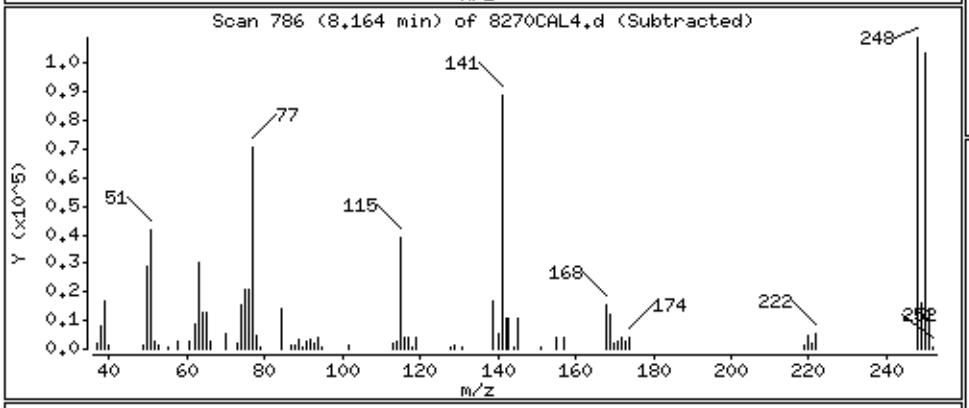
Column phase: HPMS-5

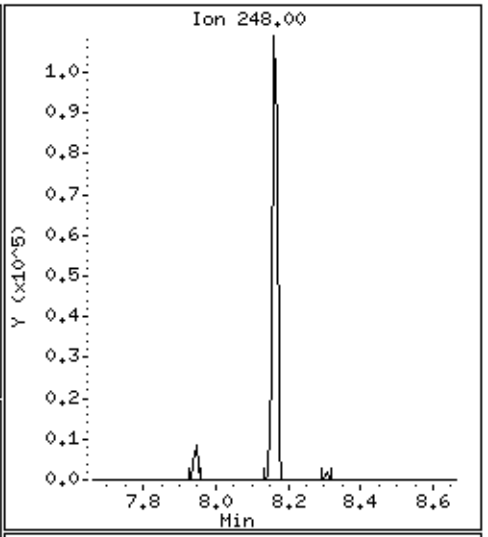
Column diameter: 0.25

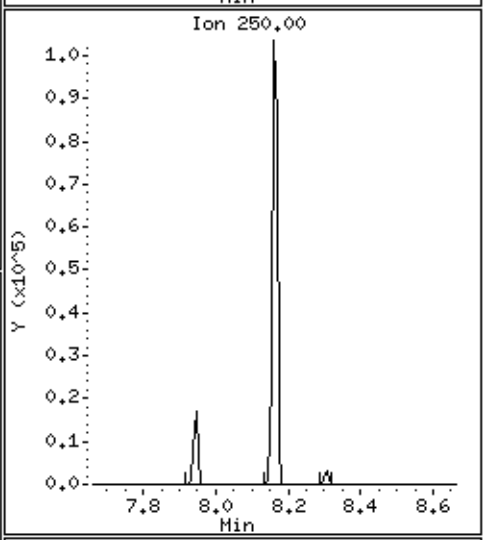
93 4-Bromophenylphenylether

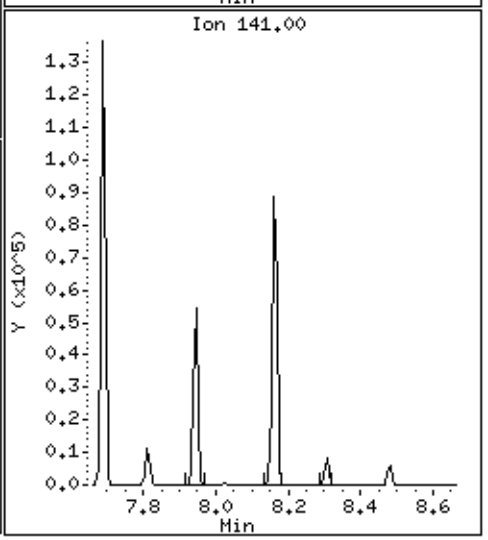
Concentration: 45.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

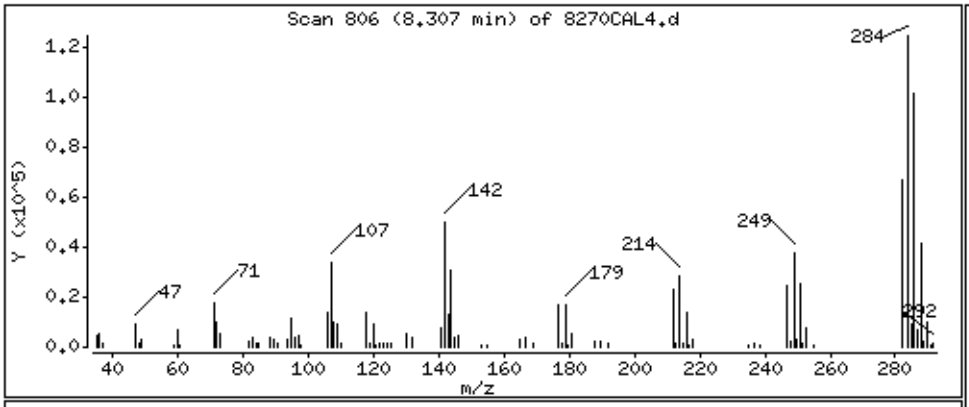
Operator: MJ

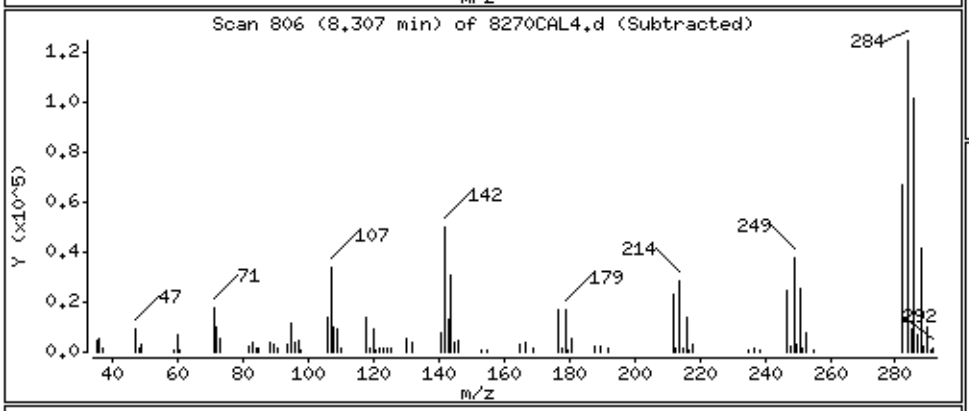
Column phase: HPMS-5

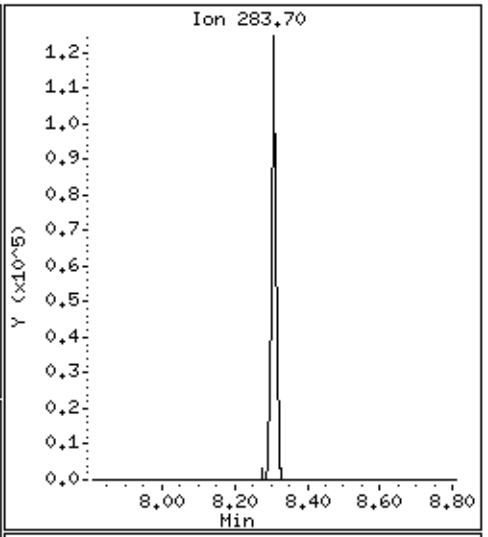
Column diameter: 0.25

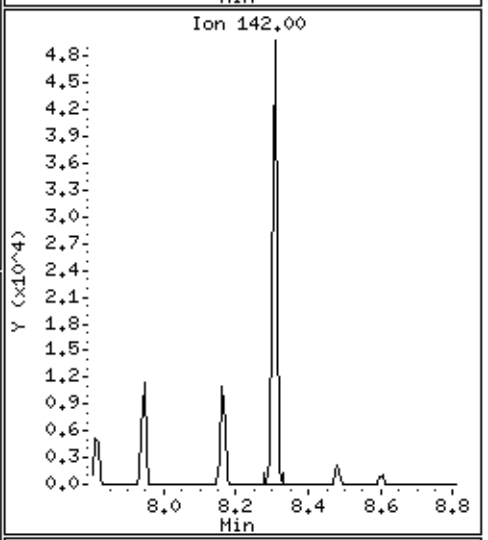
94 Hexachlorobenzene

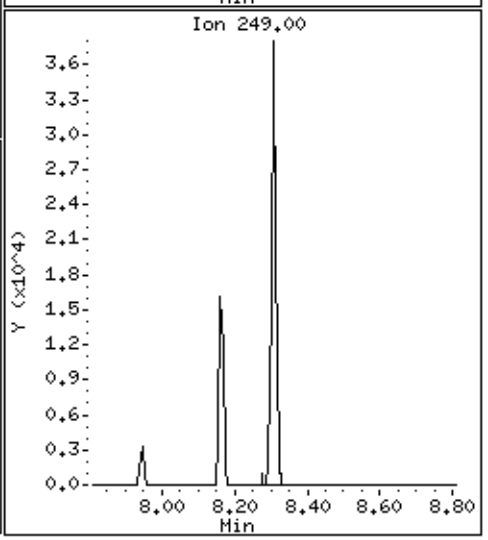
Concentration: 44.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

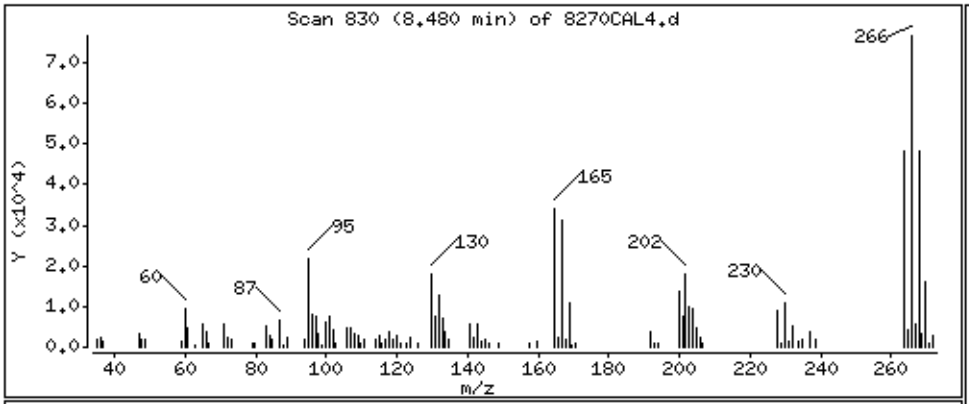
Operator: MJ

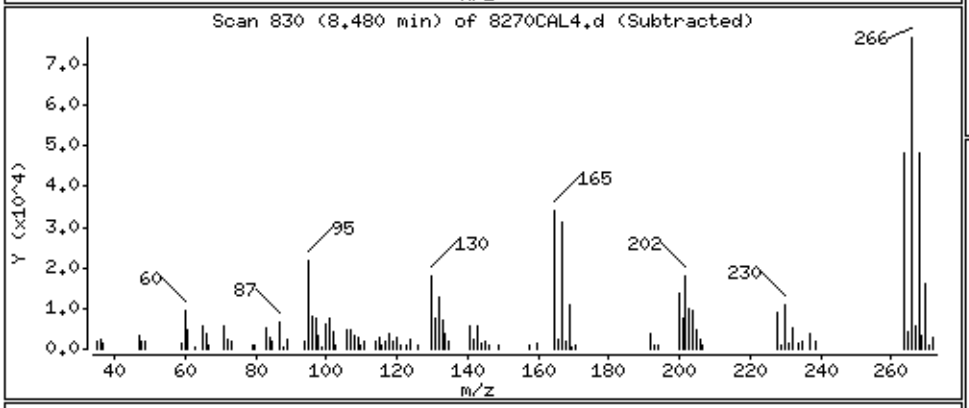
Column phase: HPMS-5

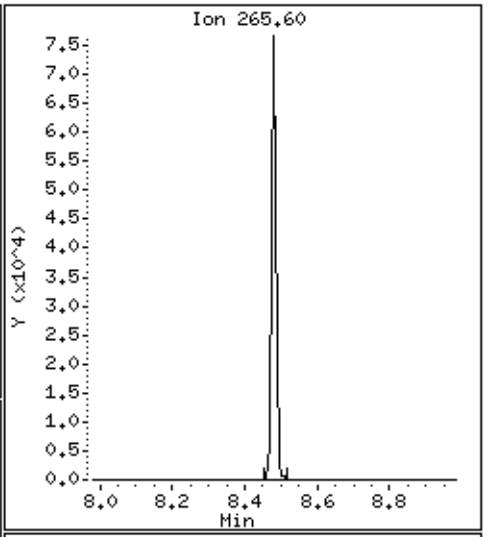
Column diameter: 0.25

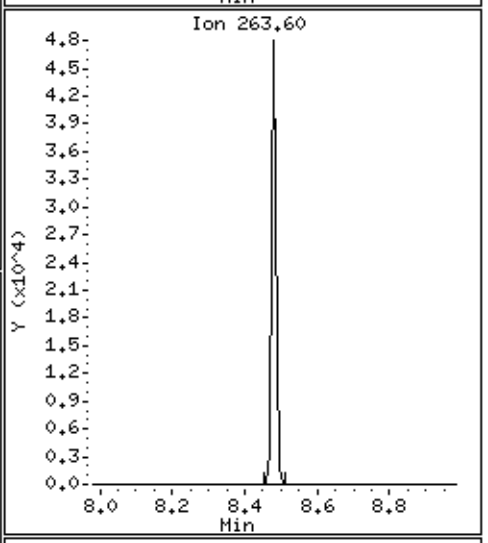
96 Pentachlorophenol

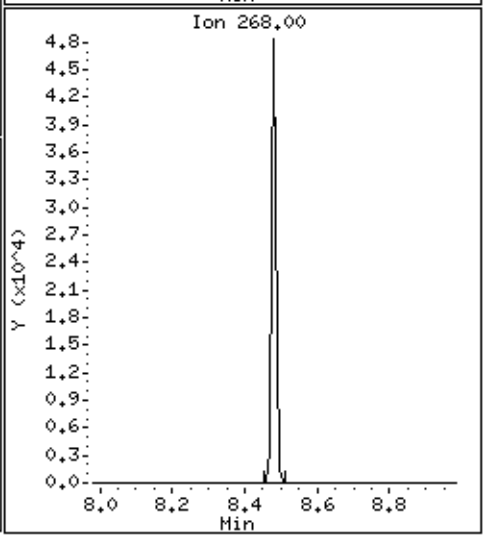
Concentration: 45.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

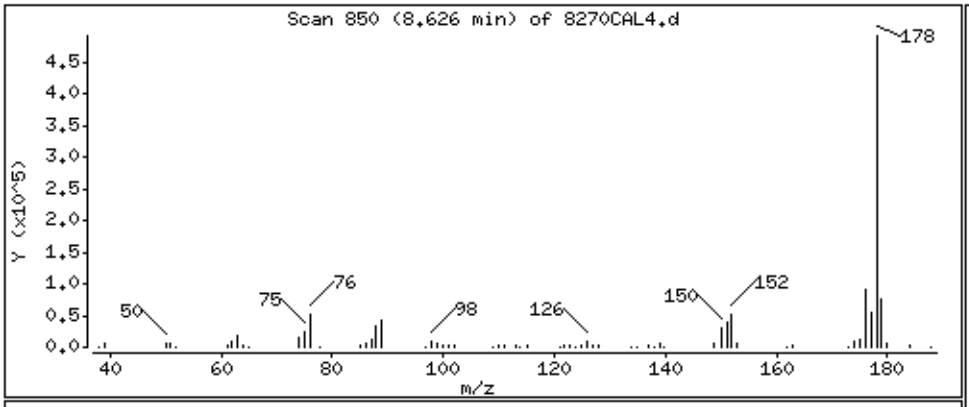
Operator: MJ

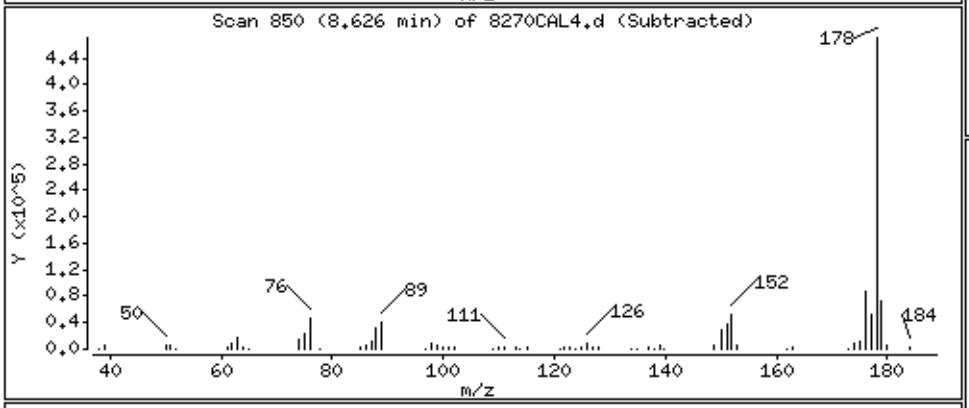
Column phase: HPMS-5

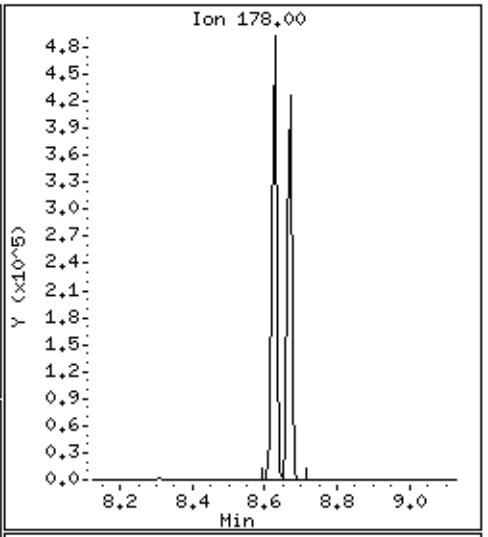
Column diameter: 0.25

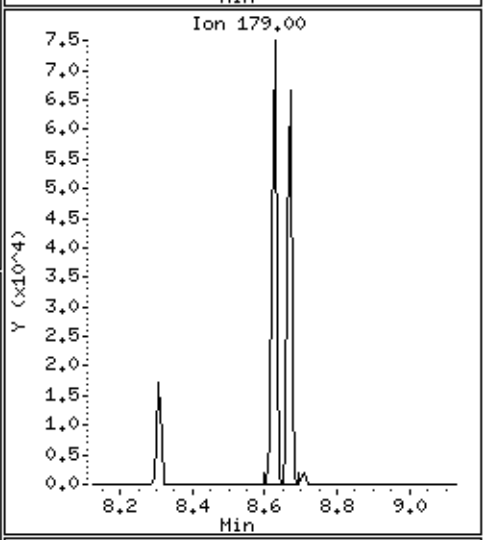
101 Phenanthrene

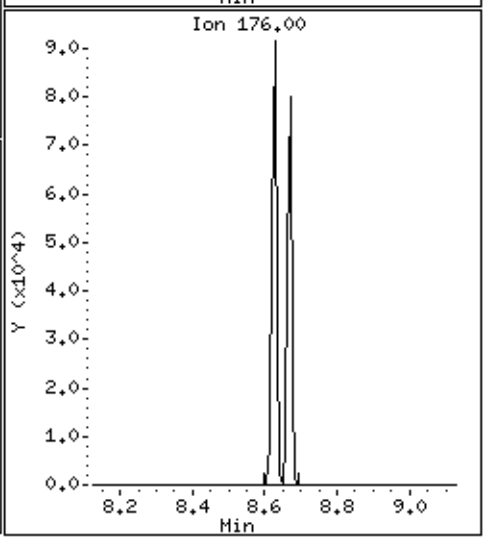
Concentration: 44.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

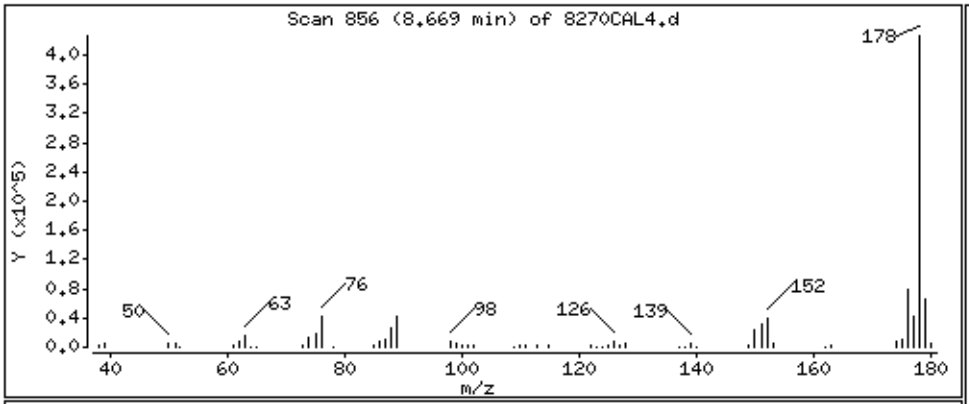
Operator: MJ

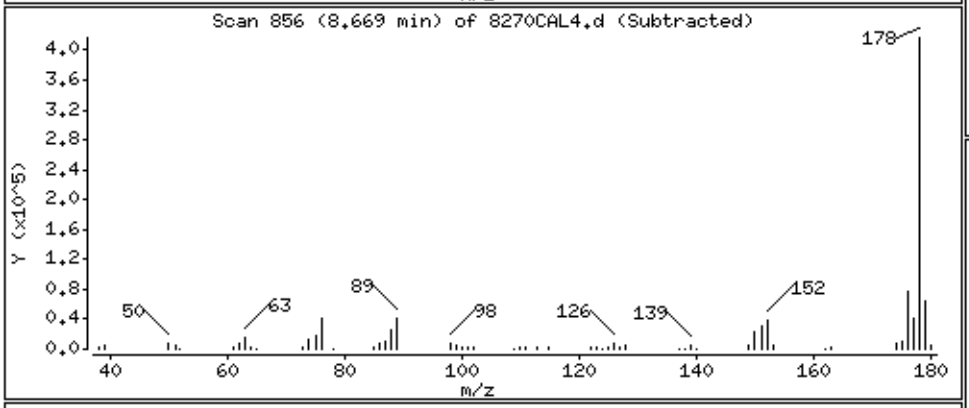
Column phase: HPMS-5

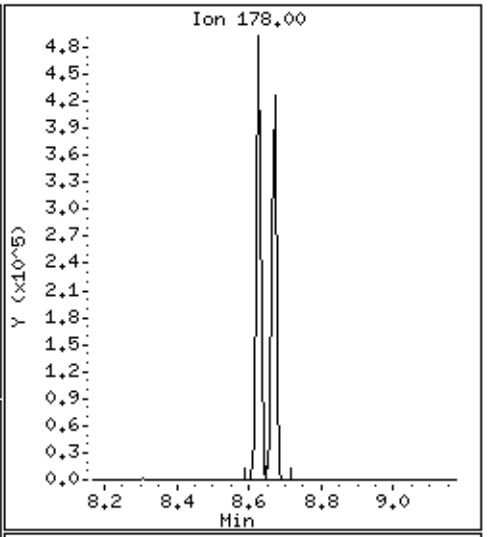
Column diameter: 0.25

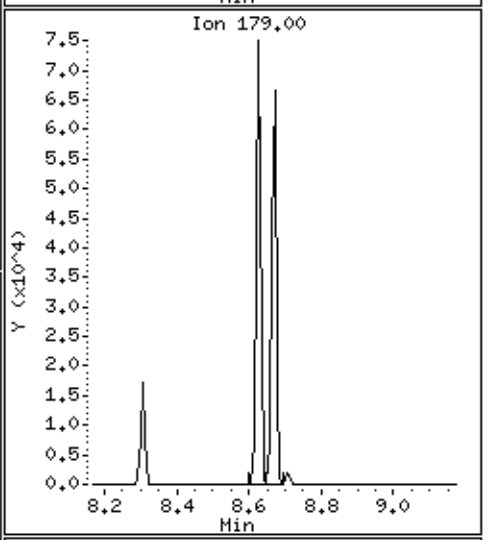
103 Anthracene

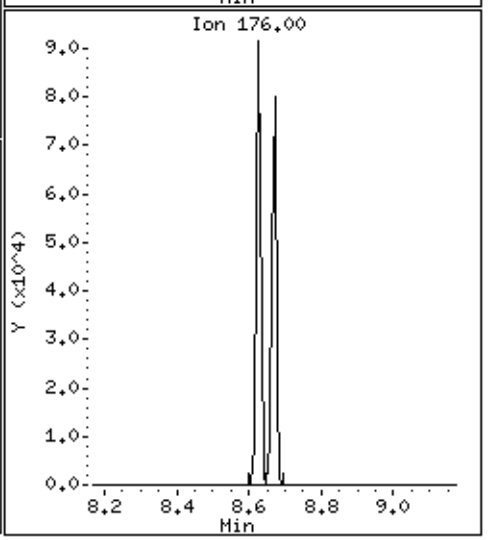
Concentration: 44.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

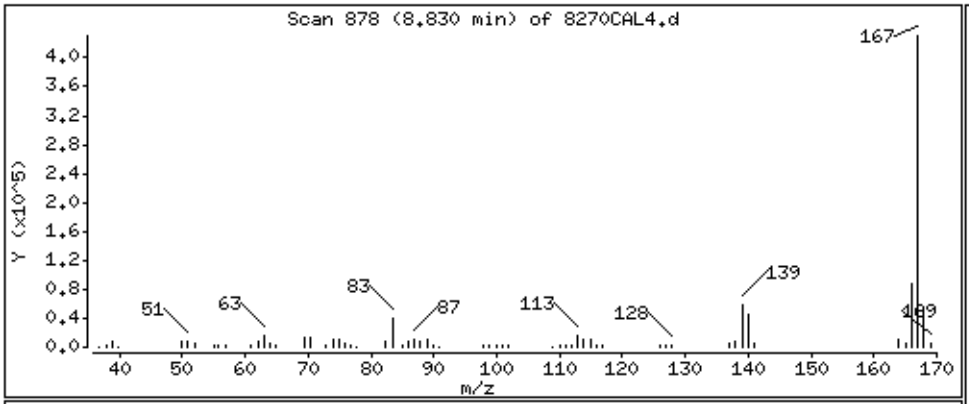
Operator: MJ

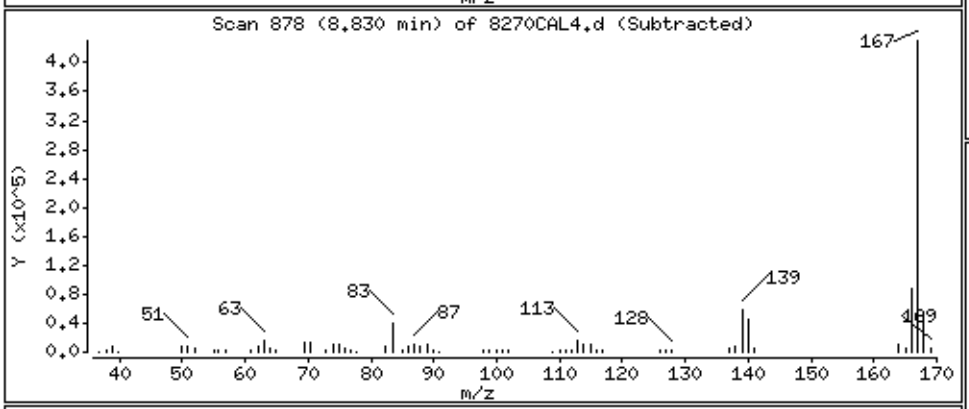
Column phase: HPMS-5

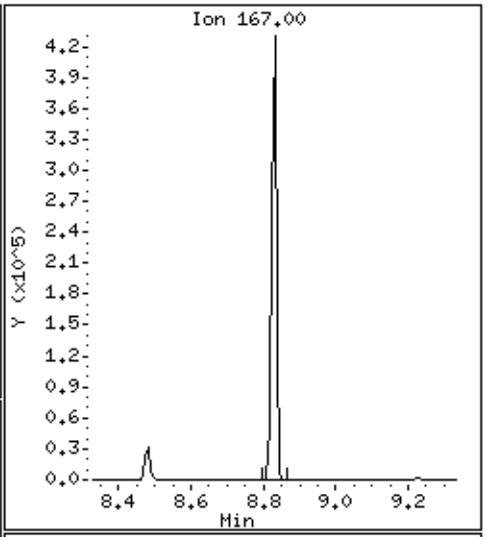
Column diameter: 0.25

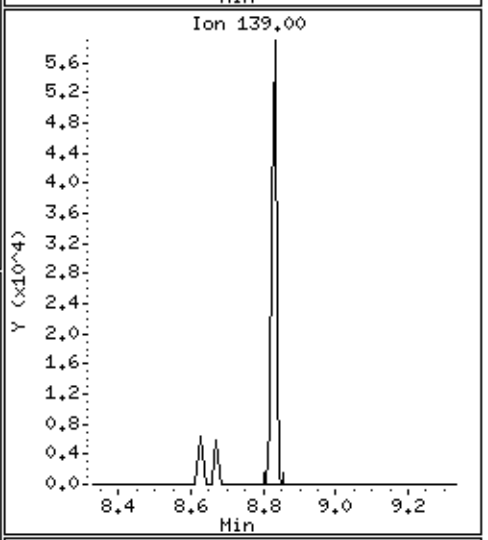
104 Carbazole

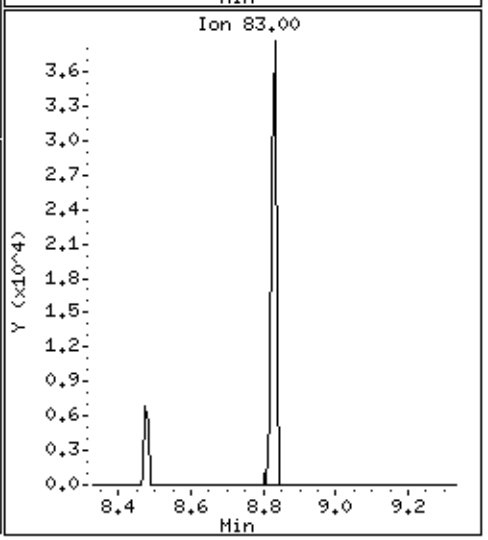
Concentration: 45.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

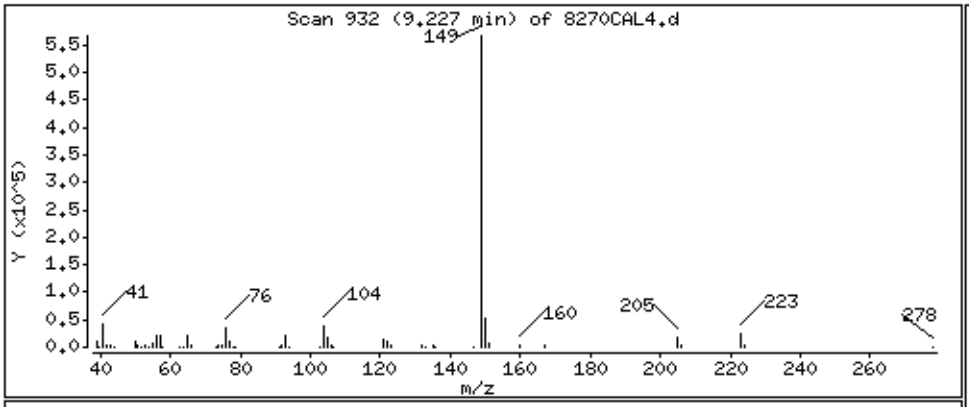
Operator: MJ

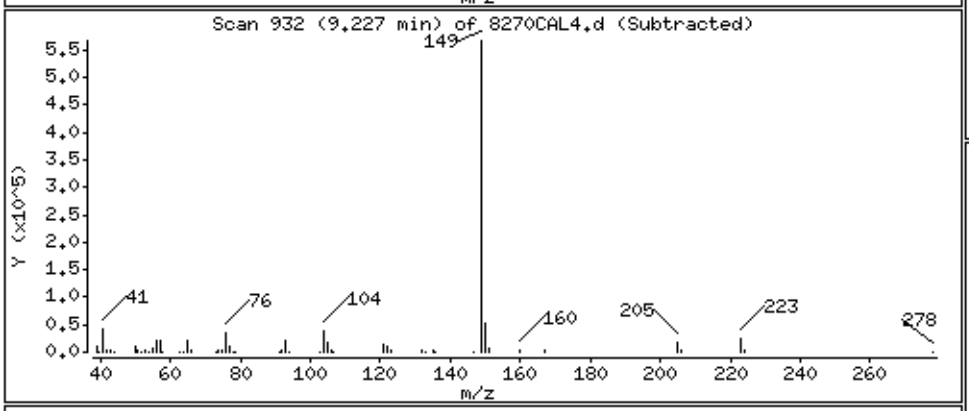
Column phase: HPMS-5

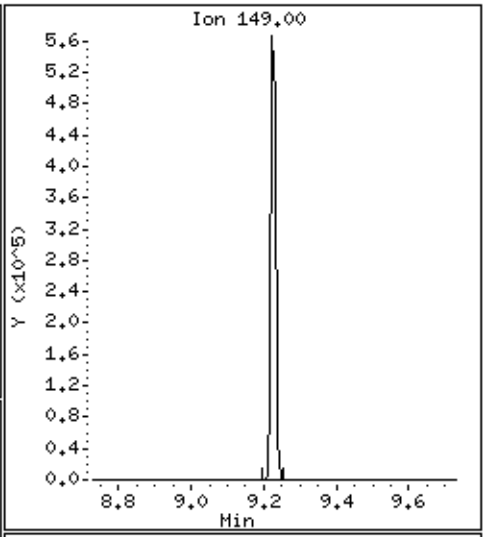
Column diameter: 0.25

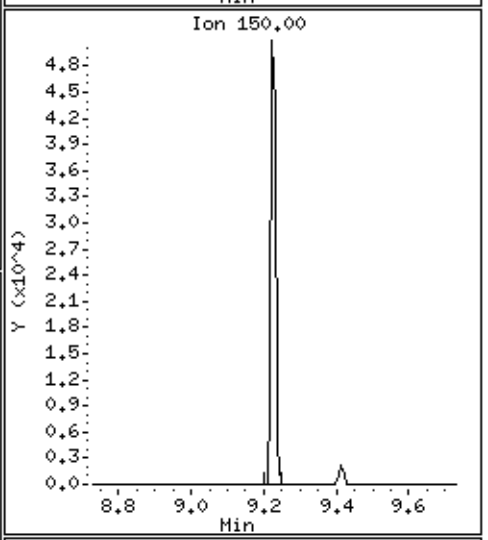
105 Di-n-butylphthalate

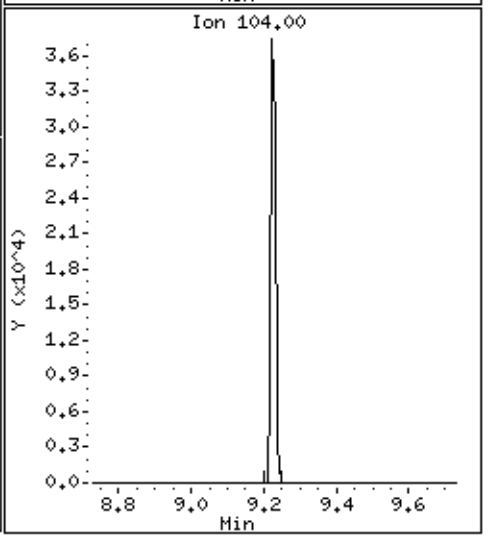
Concentration: 44.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

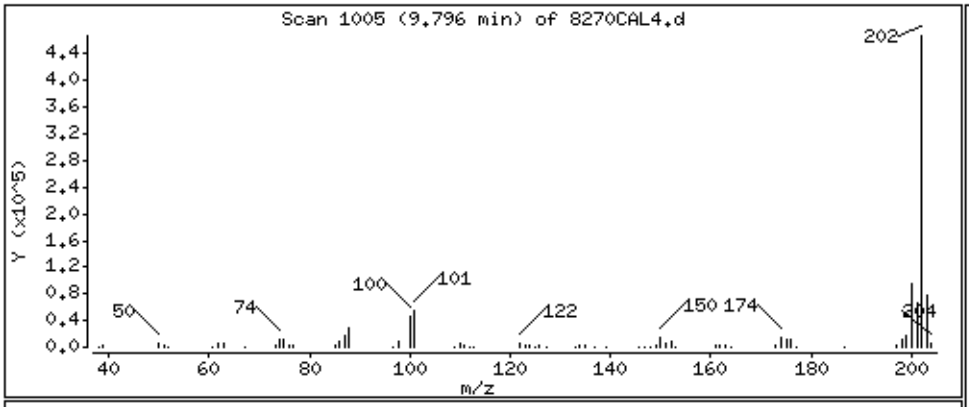
Operator: MJ

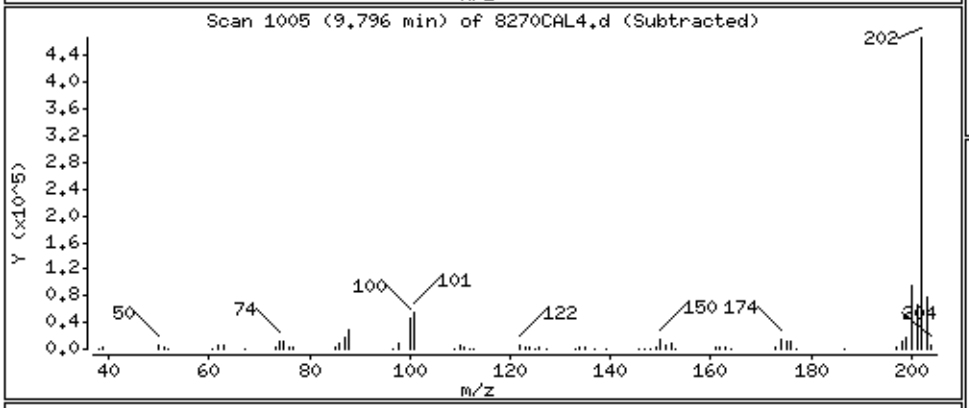
Column phase: HPMS-5

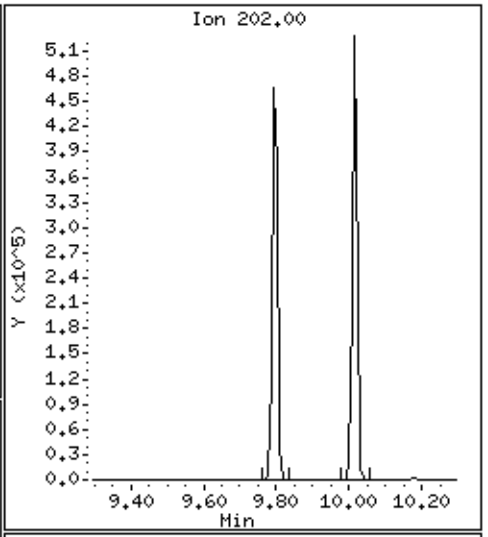
Column diameter: 0.25

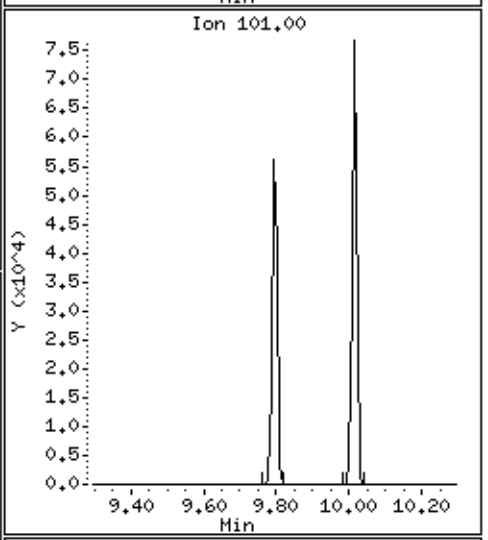
109 Fluoranthene

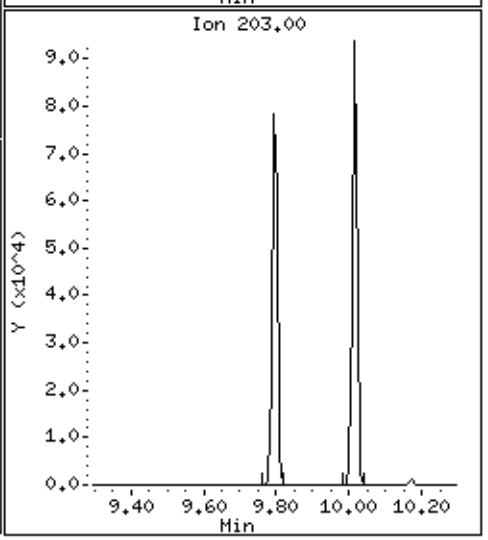
Concentration: 44.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

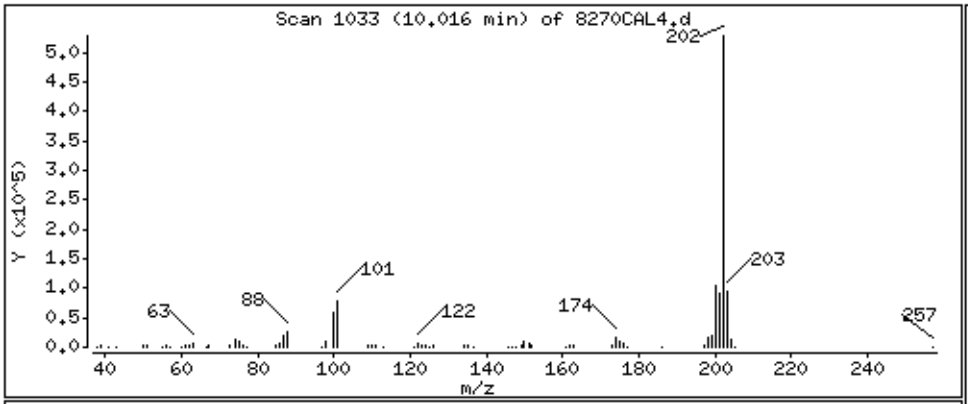
Operator: MJ

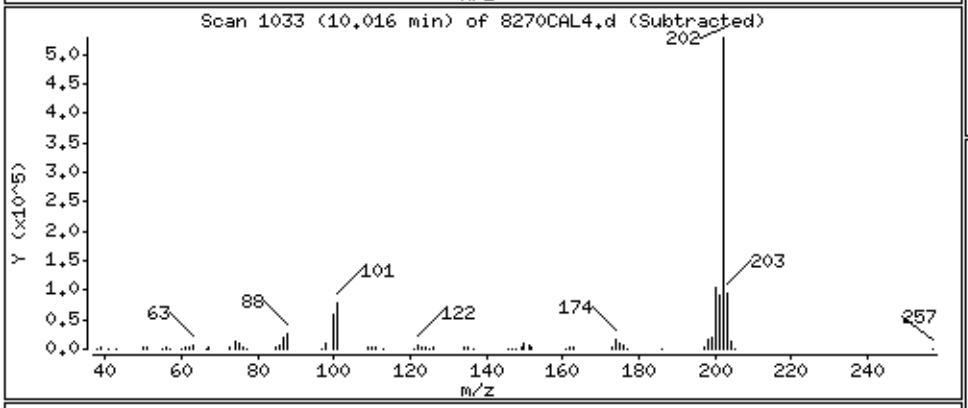
Column phase: HPMS-5

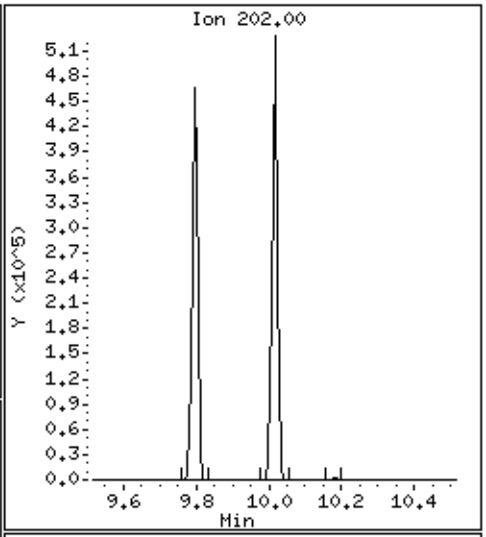
Column diameter: 0.25

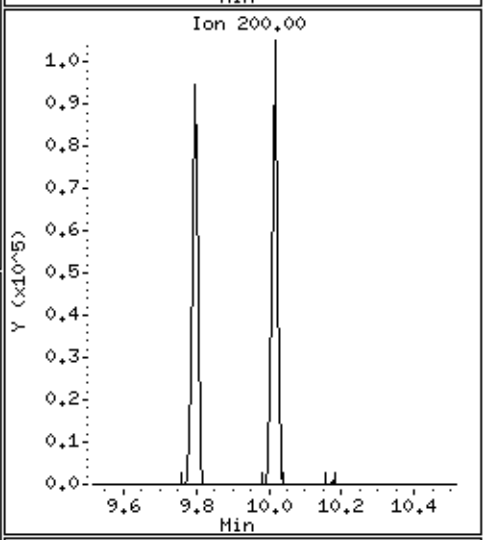
111 Pyrene

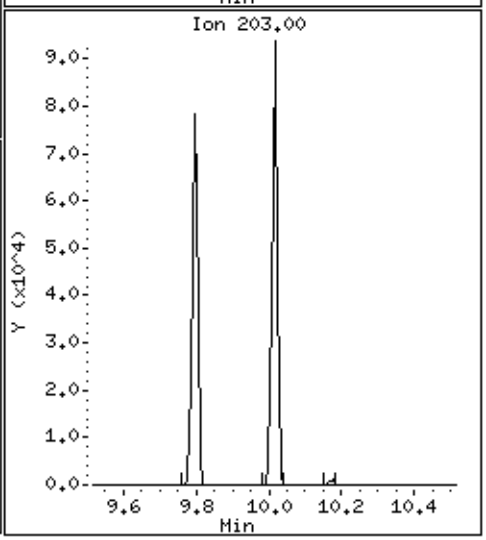
Concentration: 45.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

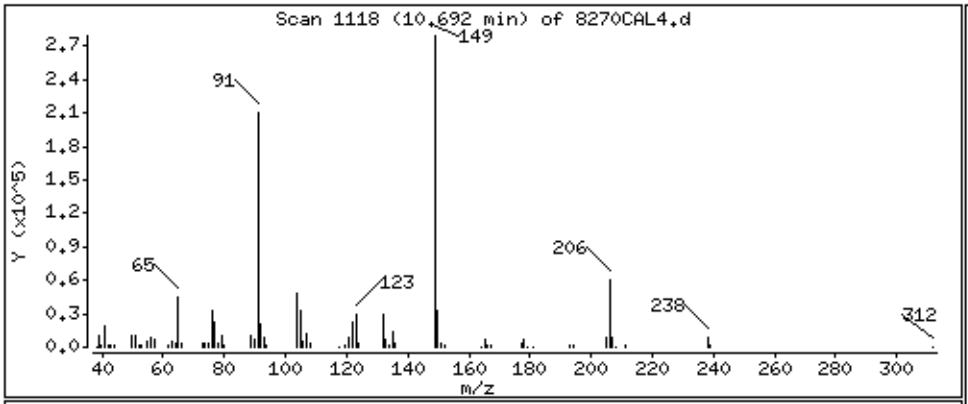
Operator: MJ

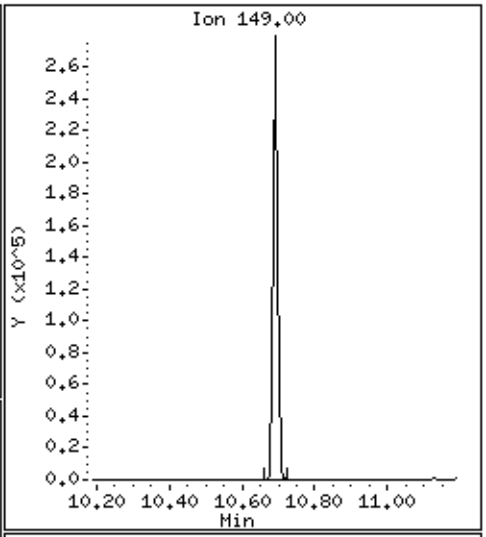
Column phase: HPMS-5

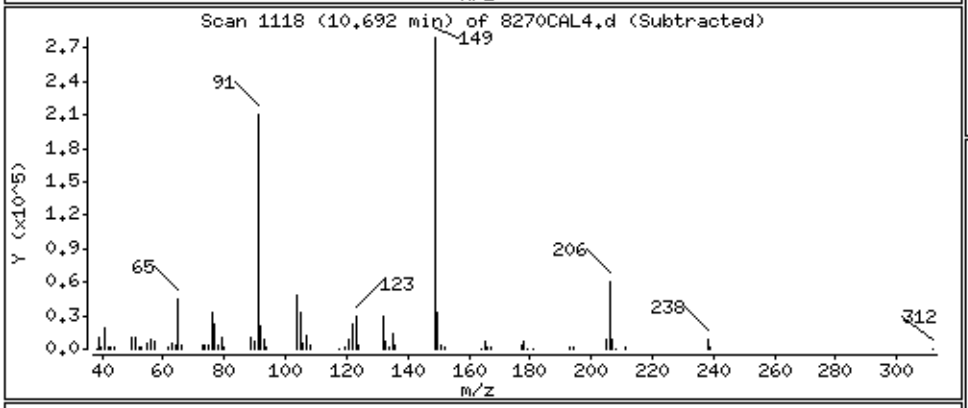
Column diameter: 0.25

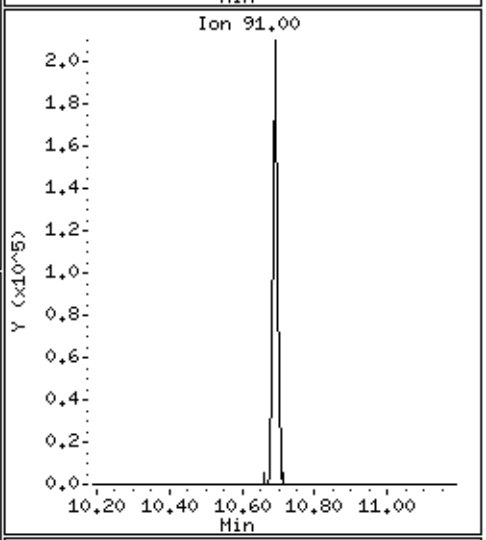
118 Butylbenzylphthalate

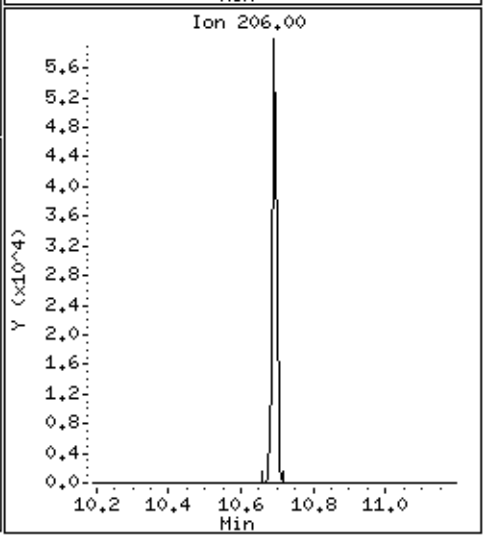
Concentration: 44.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

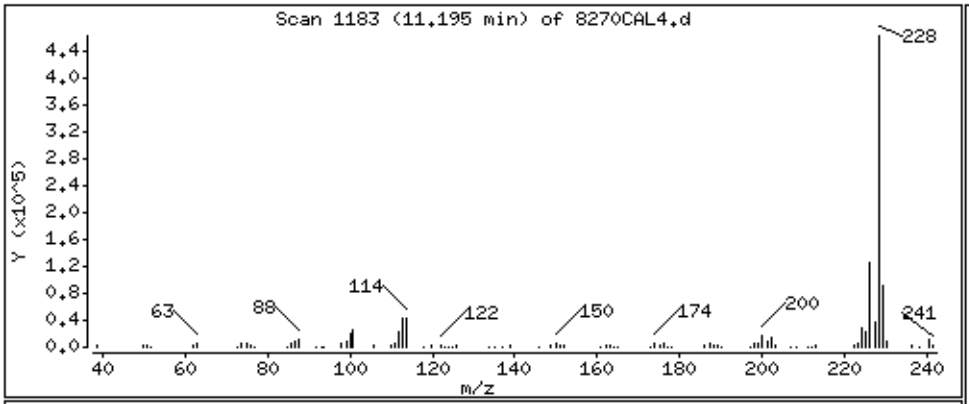
Client ID: 8270CAL4 Instrument: smsd04.i

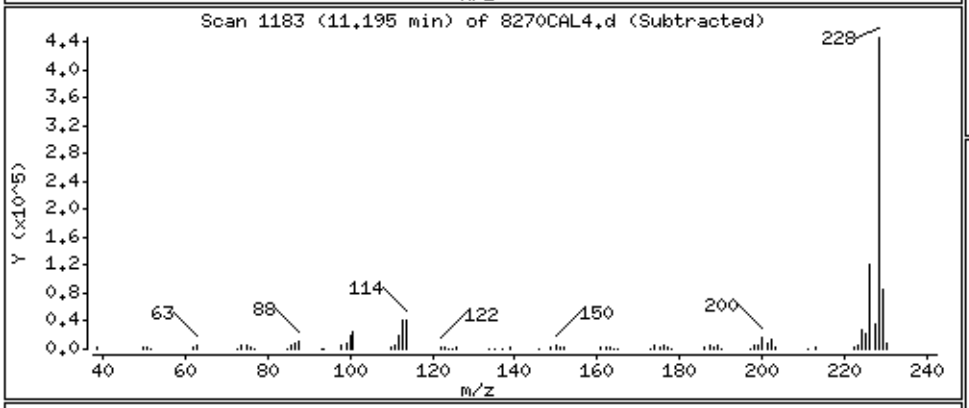
Sample Info: 47766

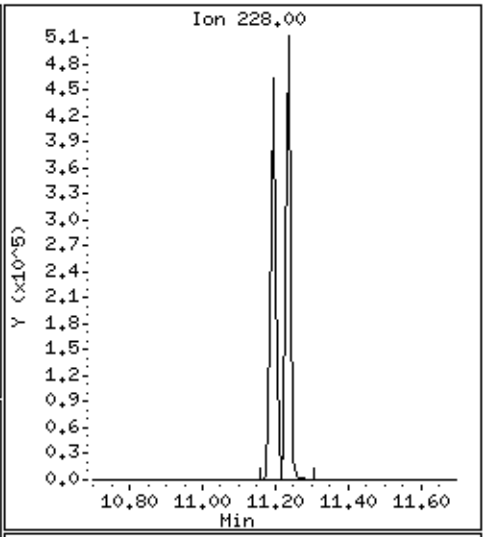
Operator: MJ

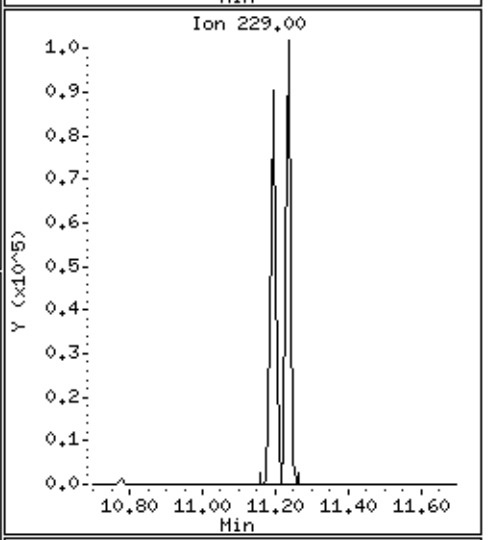
Column phase: HPMS-5 Column diameter: 0.25

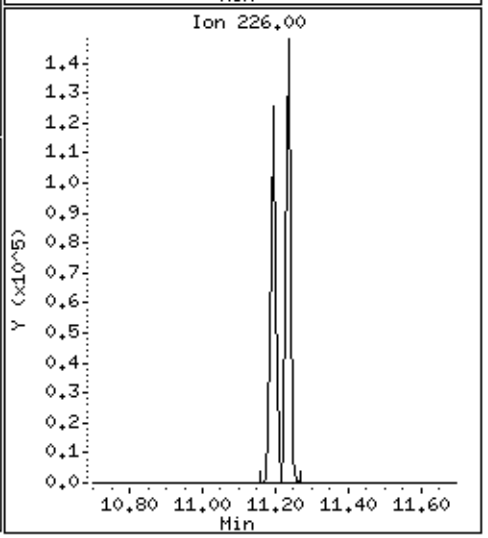
120 Benzo[a]anthracene Concentration: 43.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

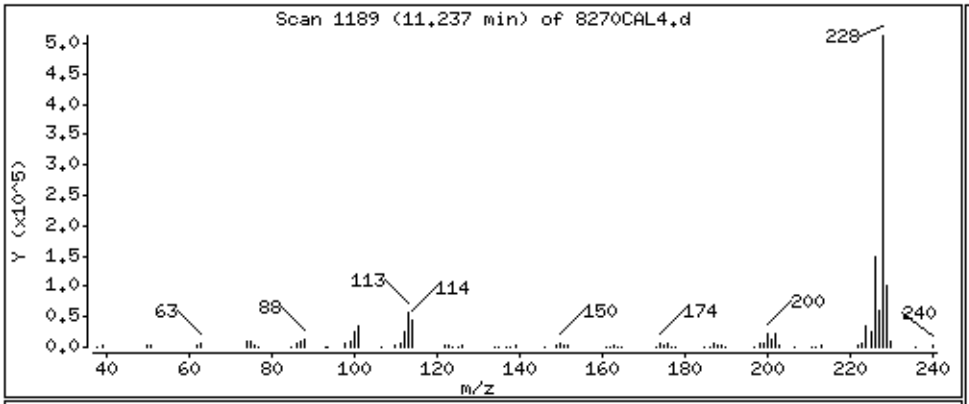
Operator: MJ

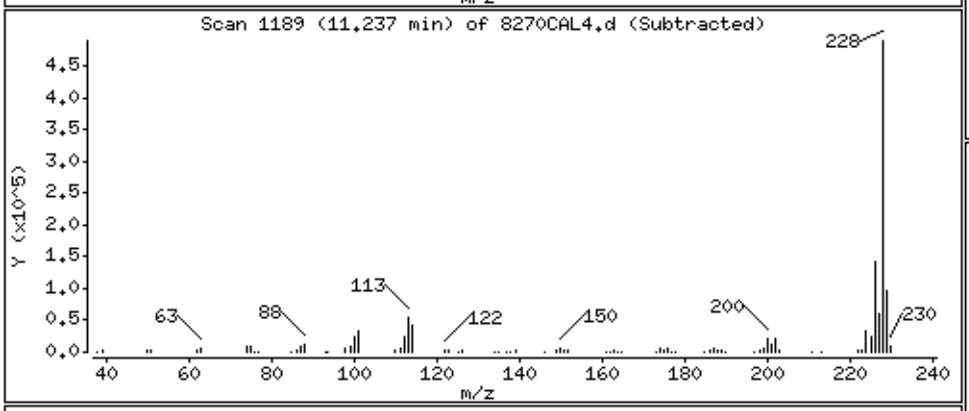
Column phase: HPMS-5

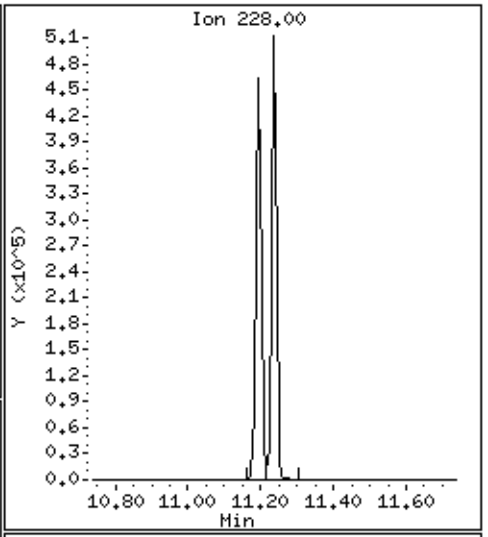
Column diameter: 0.25

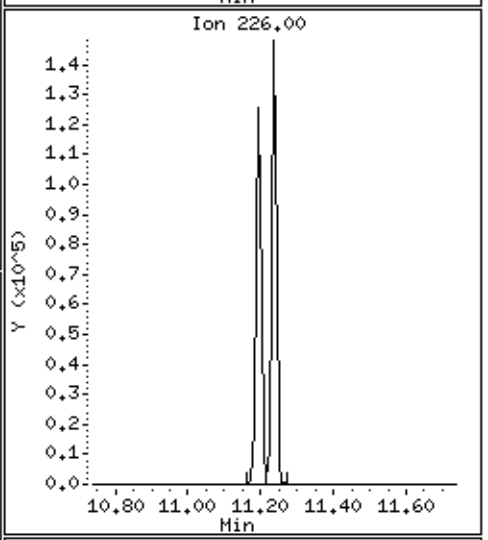
123 Chrysene

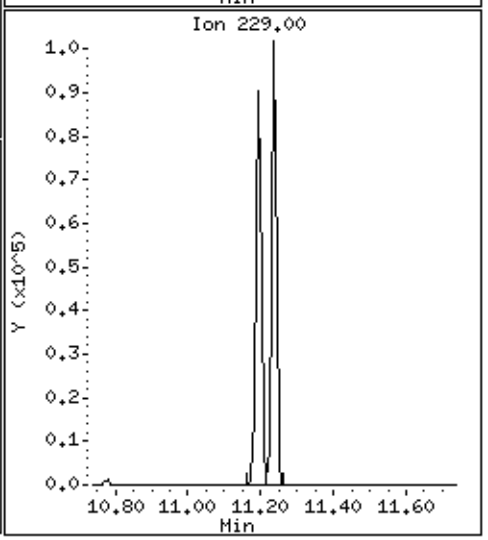
Concentration: 43.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

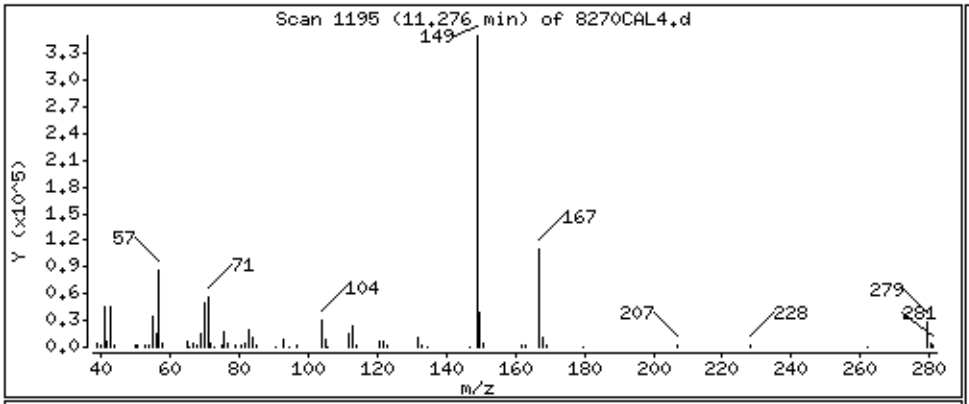
Client ID: 8270CAL4 Instrument: smsd04.i

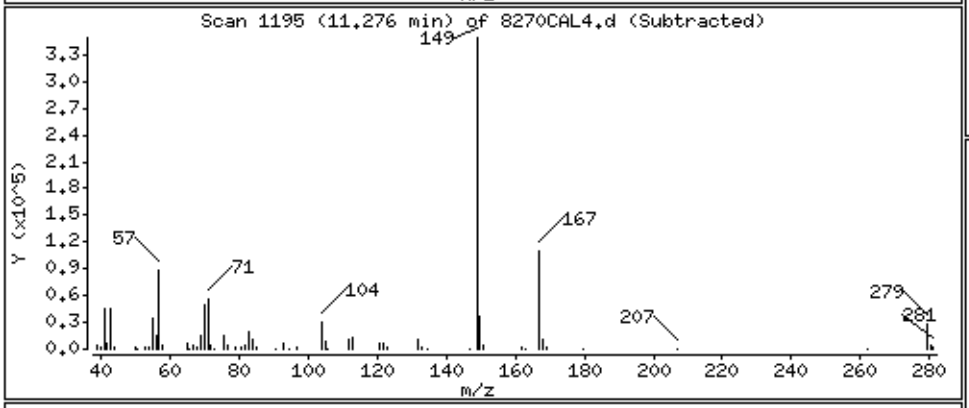
Sample Info: 47766

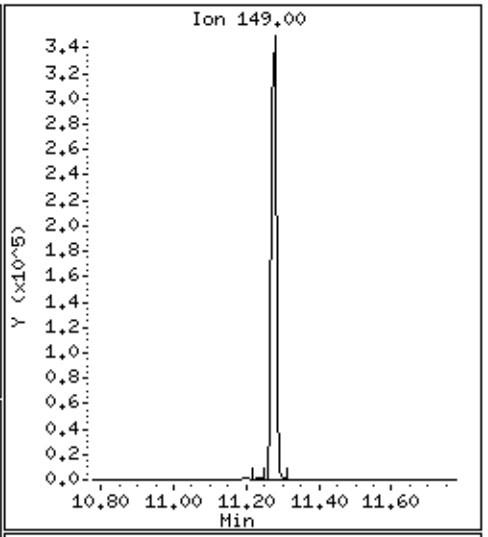
Operator: MJ

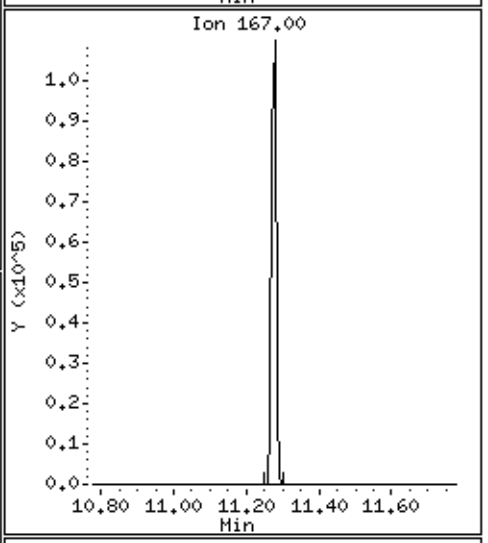
Column phase: HPMS-5 Column diameter: 0.25

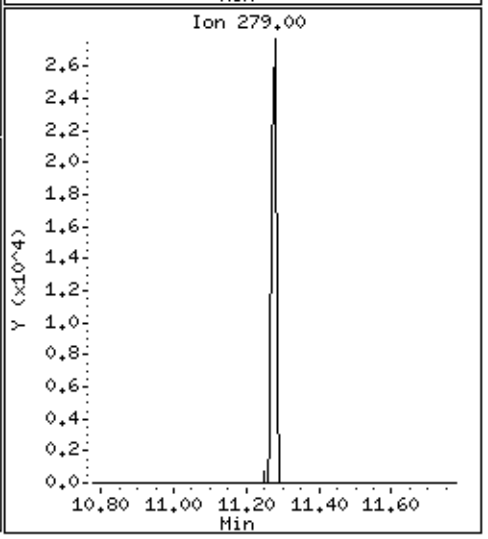
124 Bis-2-Ethylhexylphthalate Concentration: 43.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

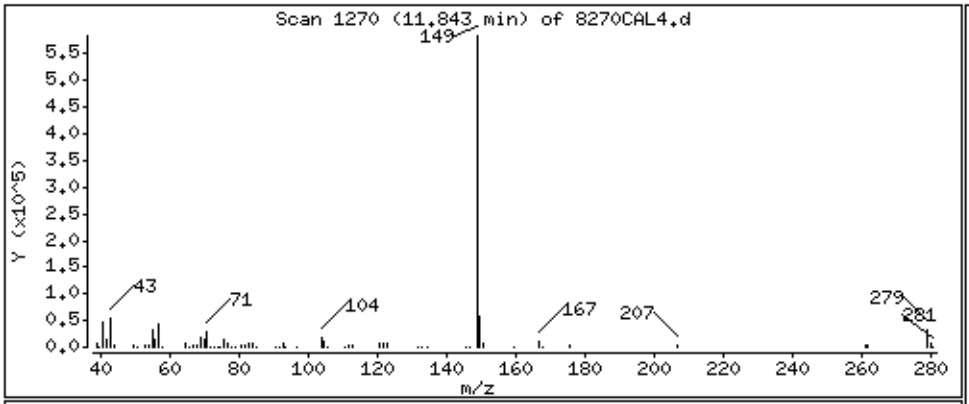
Operator: MJ

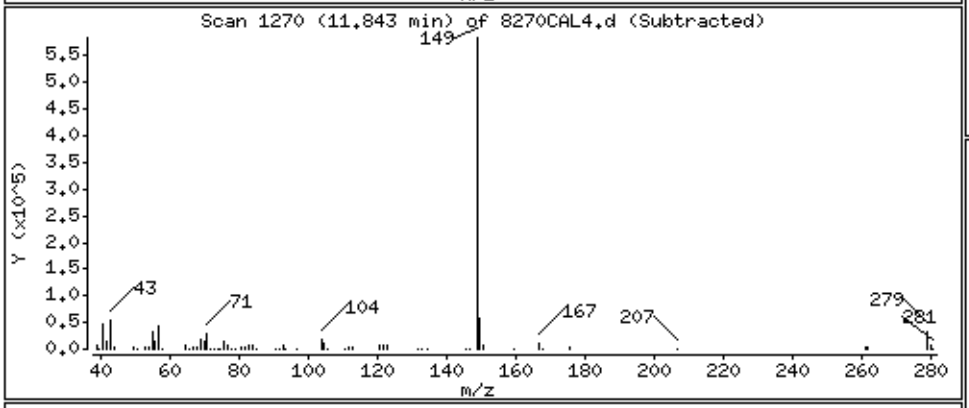
Column phase: HPMS-5

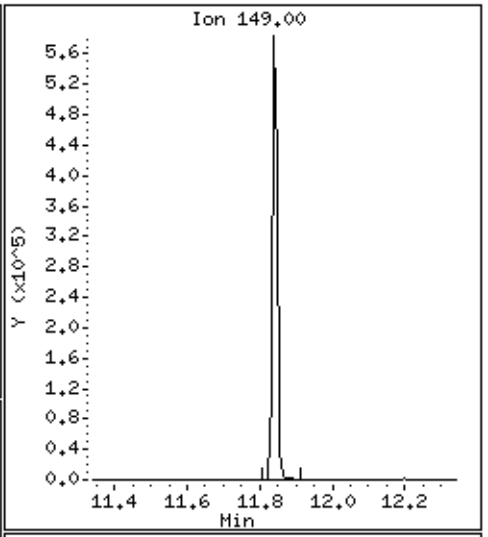
Column diameter: 0.25

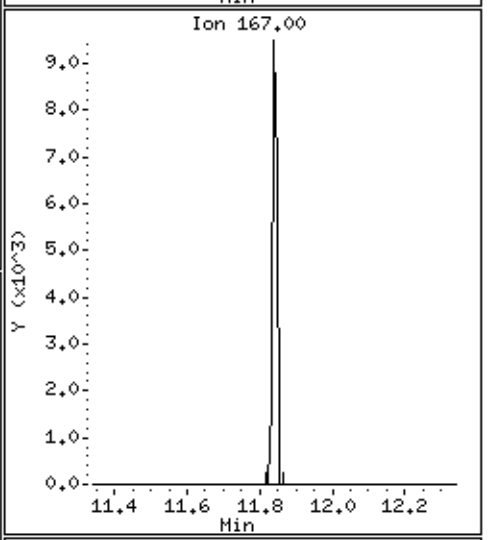
125 Di-n-octylphthalate

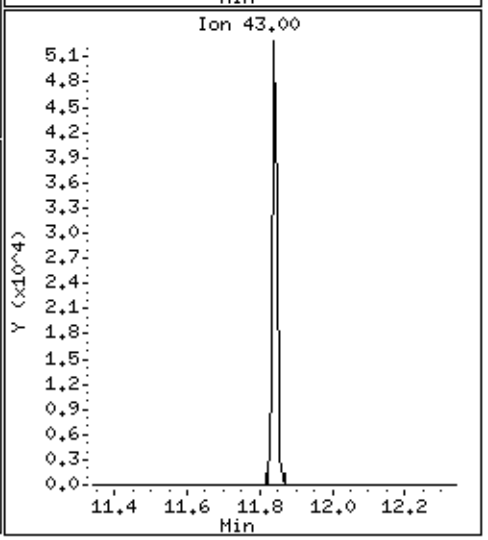
Concentration: 48.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

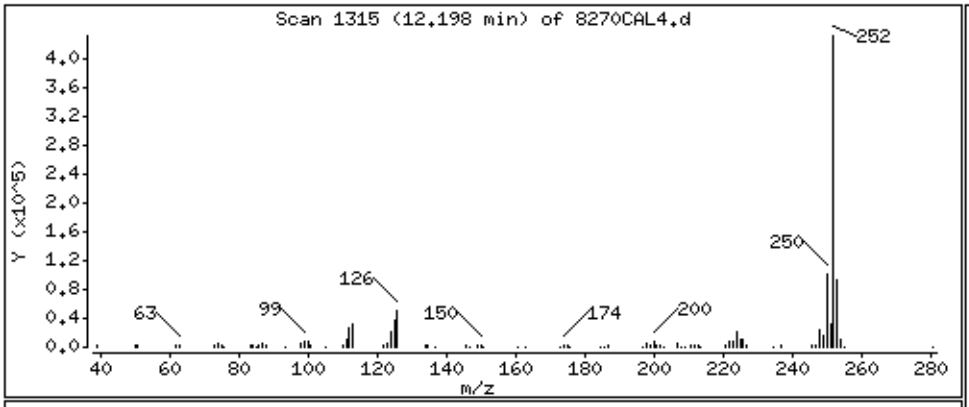
Operator: MJ

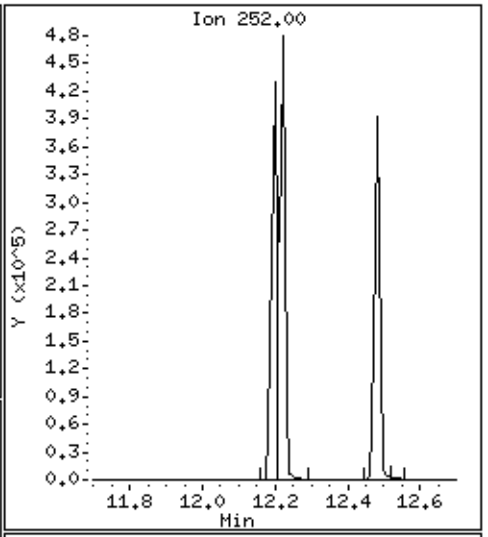
Column phase: HPMS-5

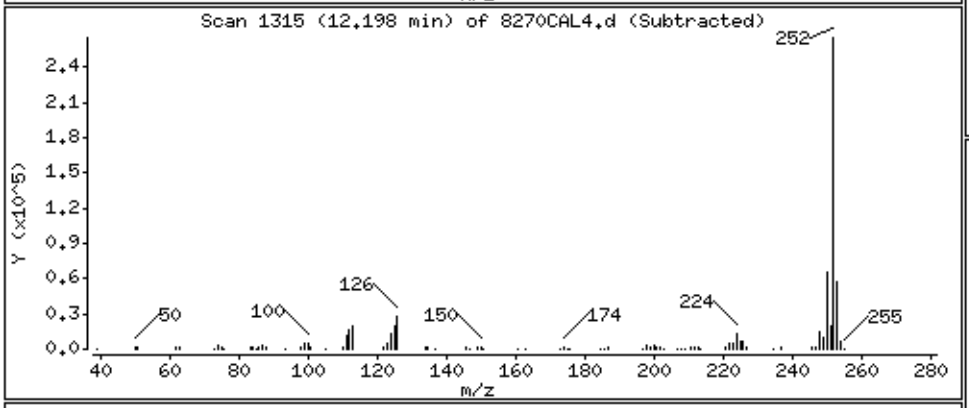
Column diameter: 0.25

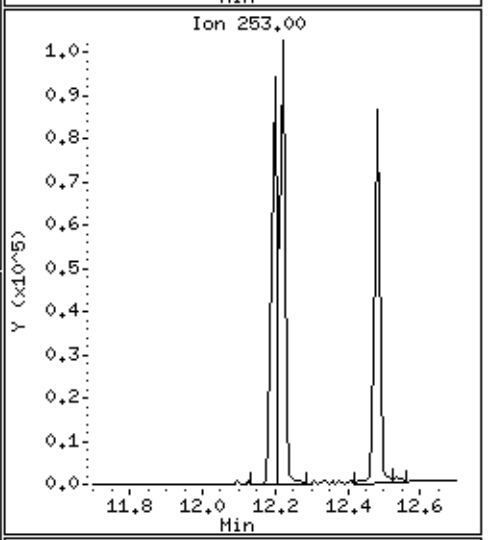
127 Benzo[b]fluoranthene

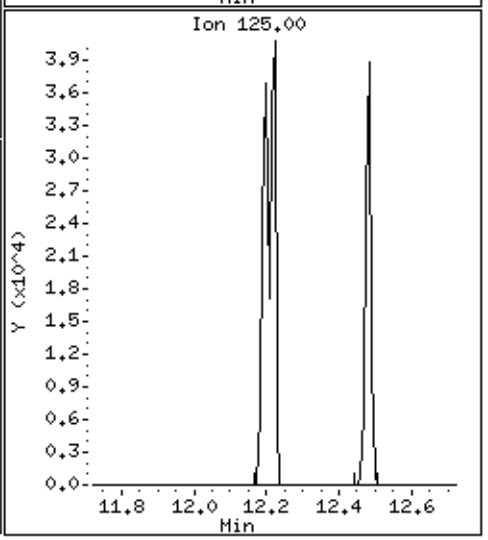
Concentration: 43.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

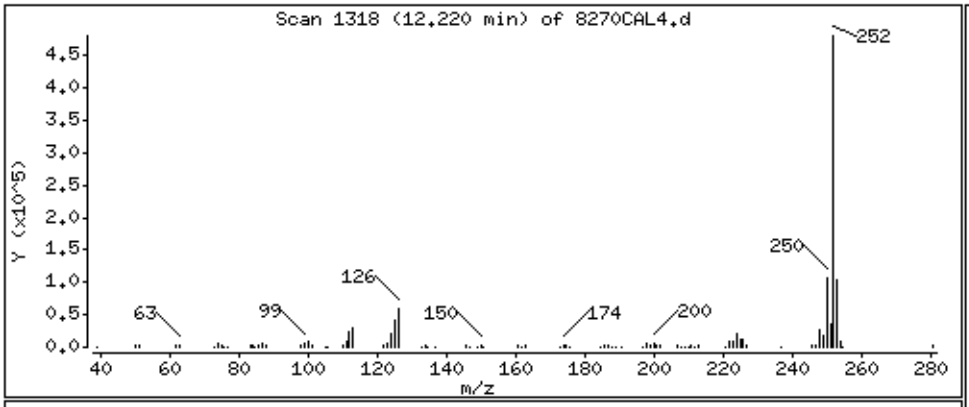
Operator: MJ

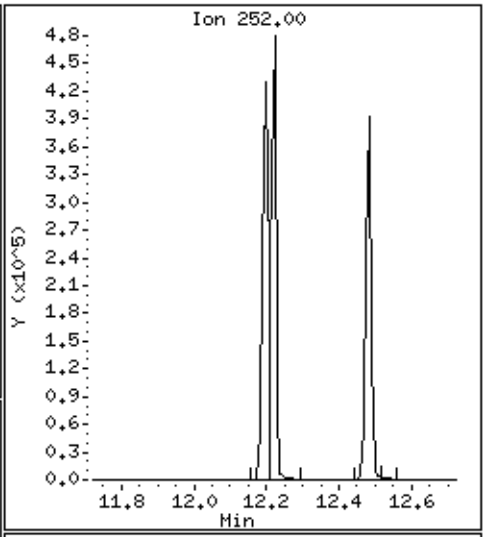
Column phase: HPMS-5

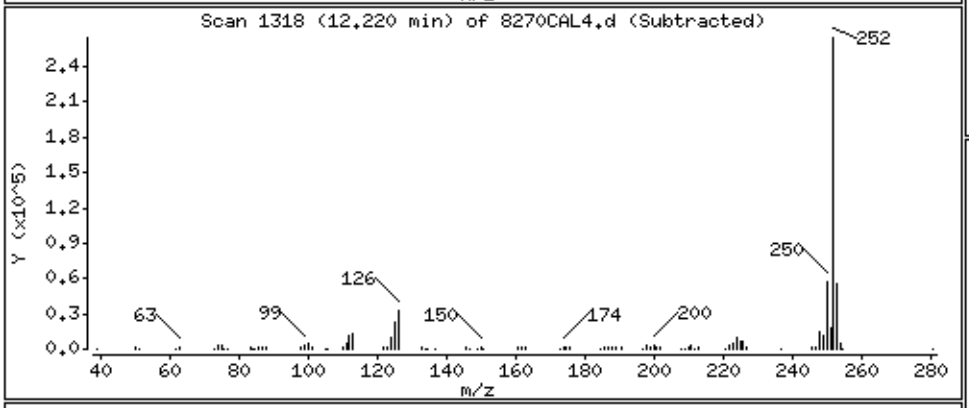
Column diameter: 0.25

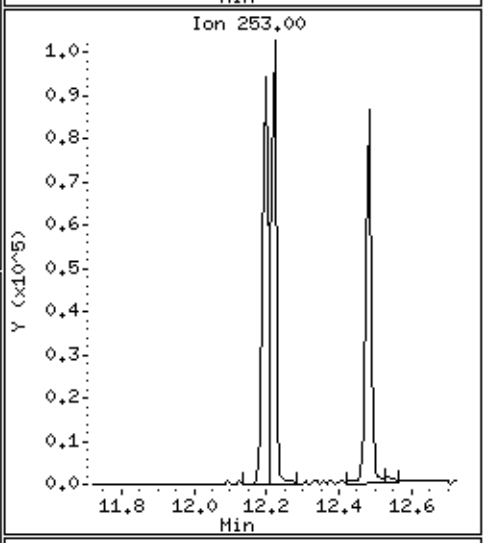
128 Benzo[k]fluoranthene

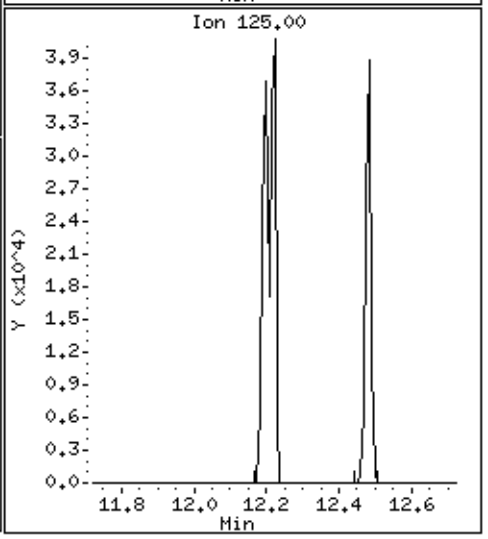
Concentration: 42.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

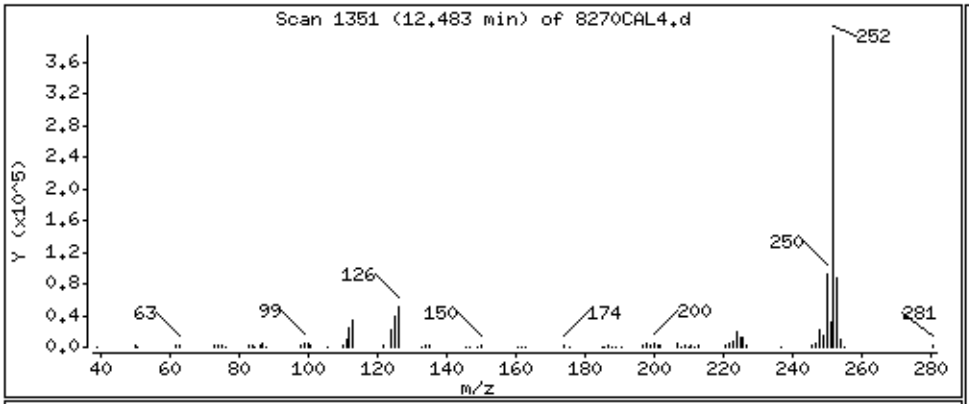
Operator: MJ

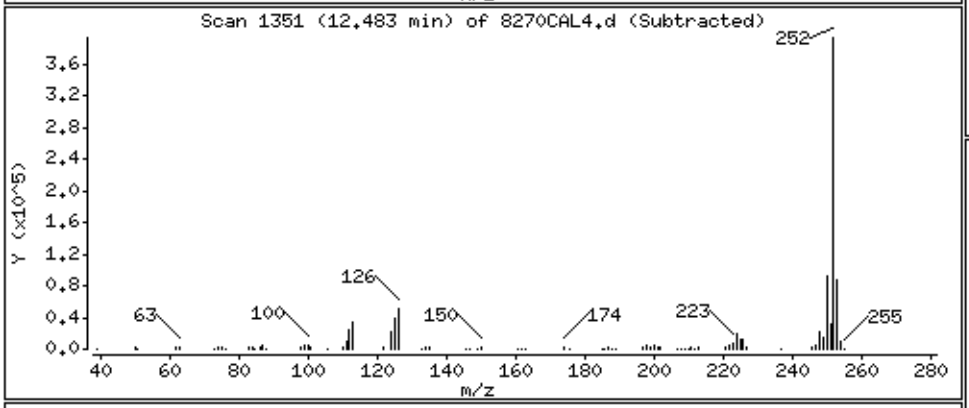
Column phase: HPMS-5

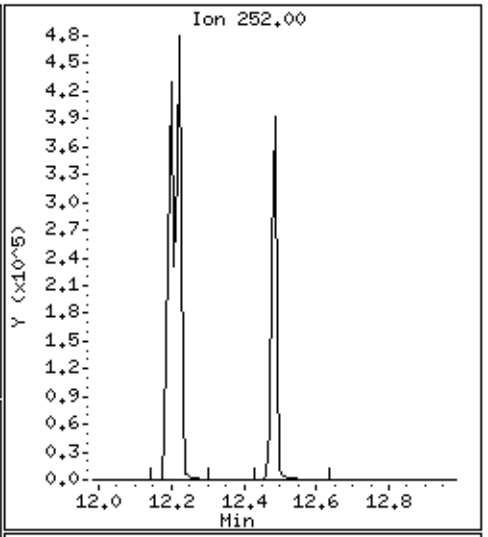
Column diameter: 0.25

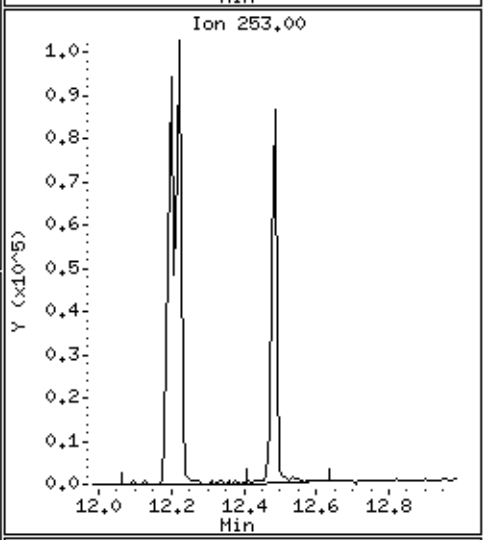
129 Benzo[a]pyrene

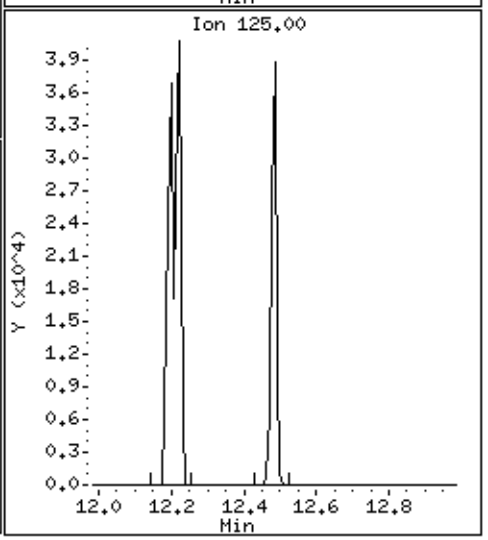
Concentration: 42.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

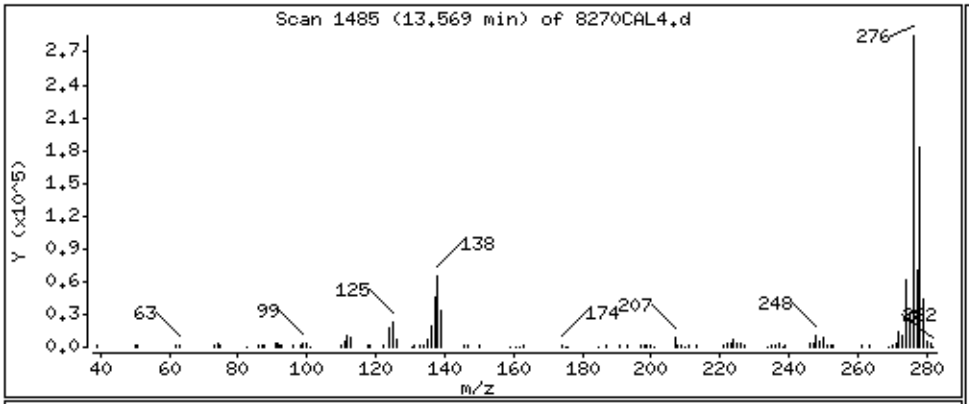
Operator: MJ

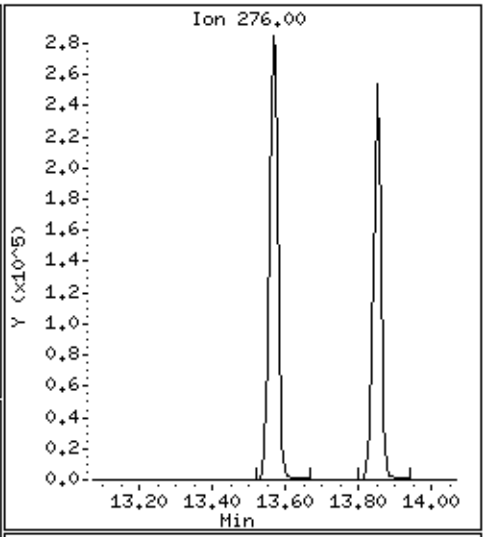
Column phase: HPMS-5

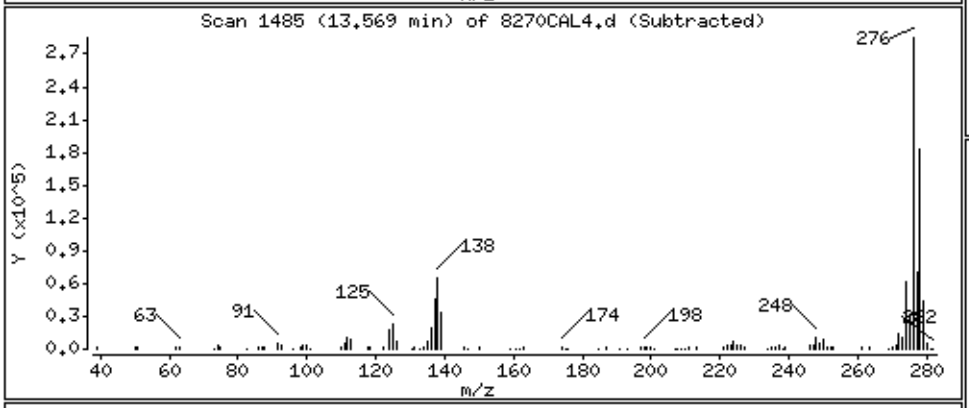
Column diameter: 0.25

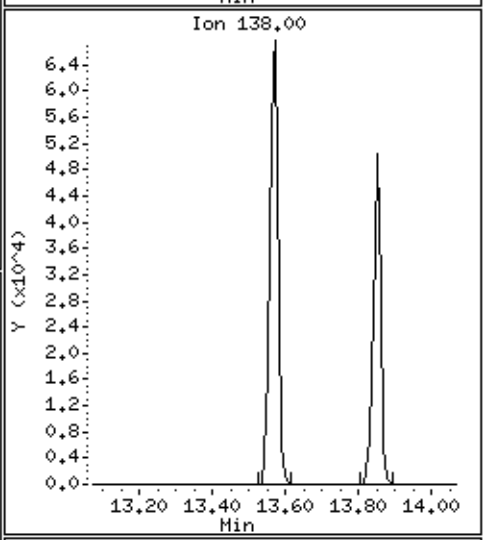
133 Indeno[1,2,3-cd]pyrene

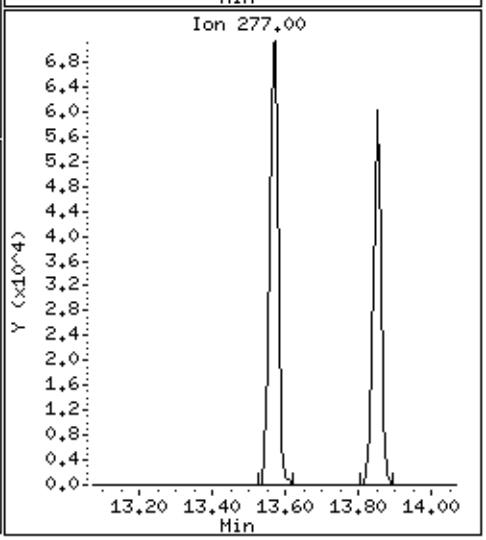
Concentration: 44.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

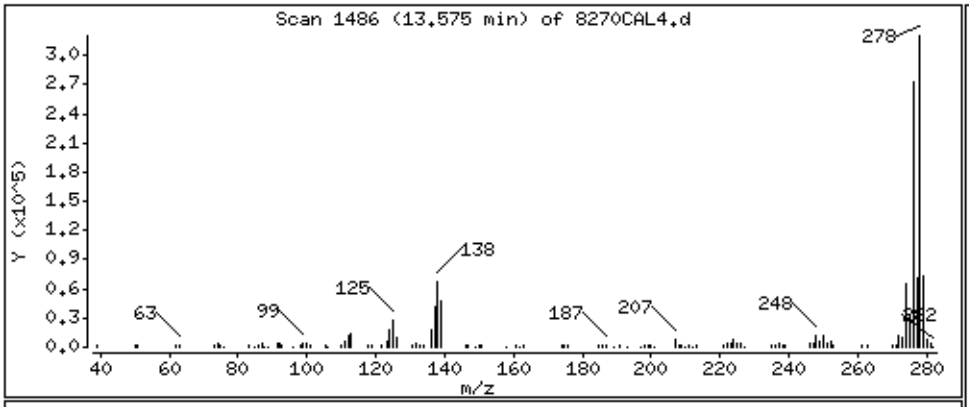
Operator: MJ

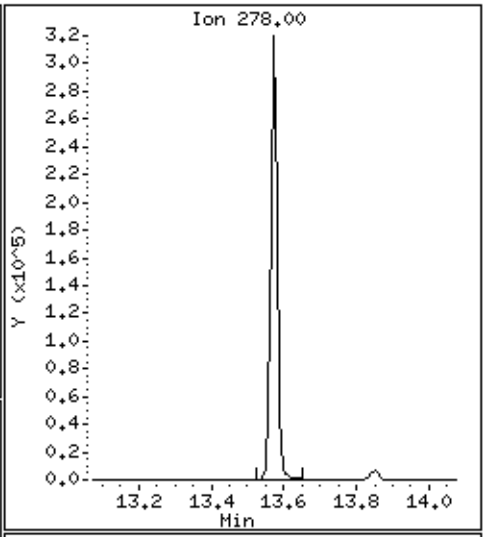
Column phase: HPMS-5

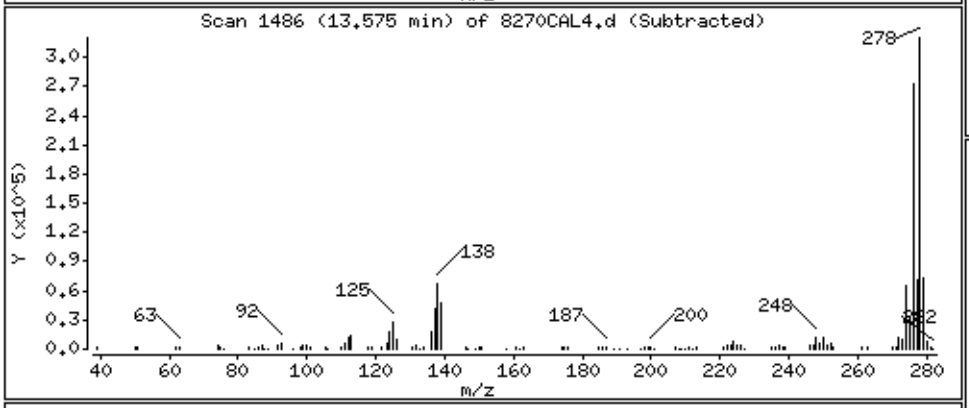
Column diameter: 0.25

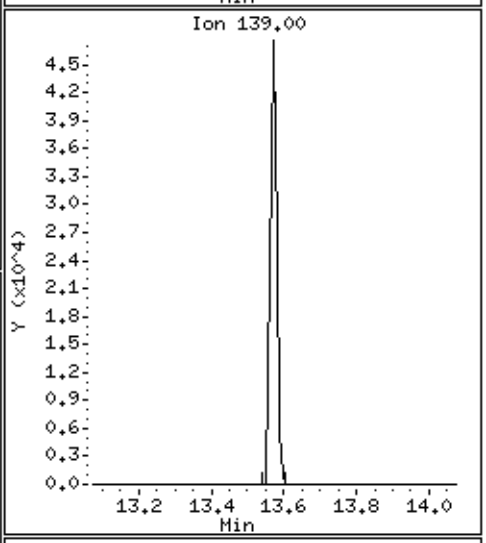
134 Dibenz[a,h]anthracene

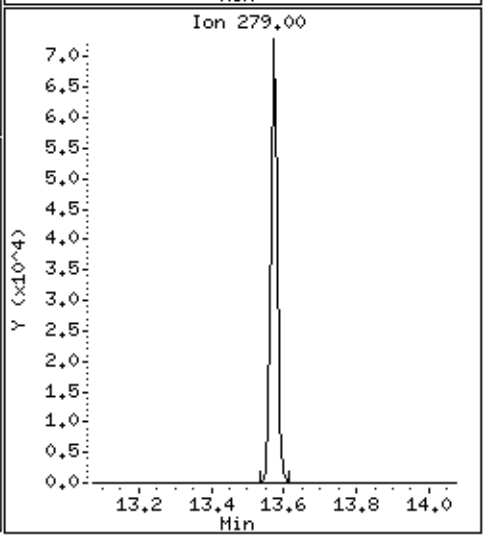
Concentration: 43.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL4.d

Date : 14-NOV-2012 23:43

Client ID: 8270CAL4

Instrument: smsd04.i

Sample Info: 47766

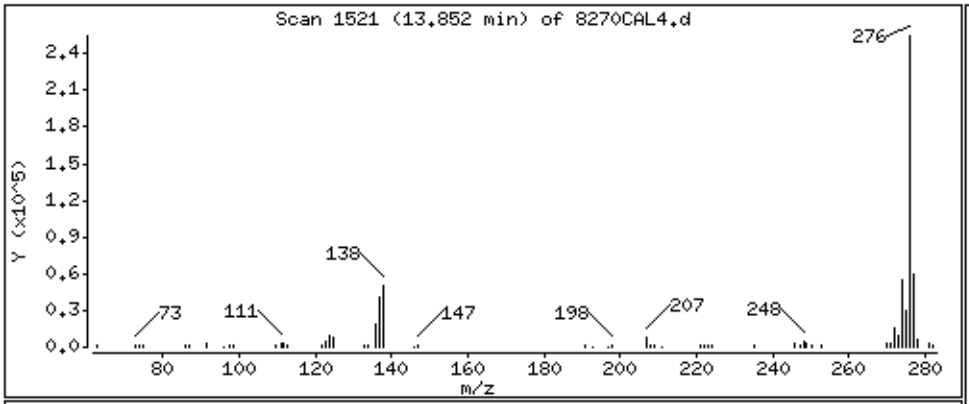
Operator: MJ

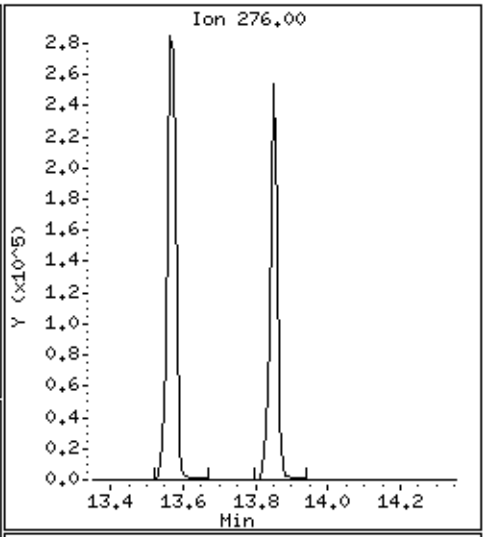
Column phase: HPMS-5

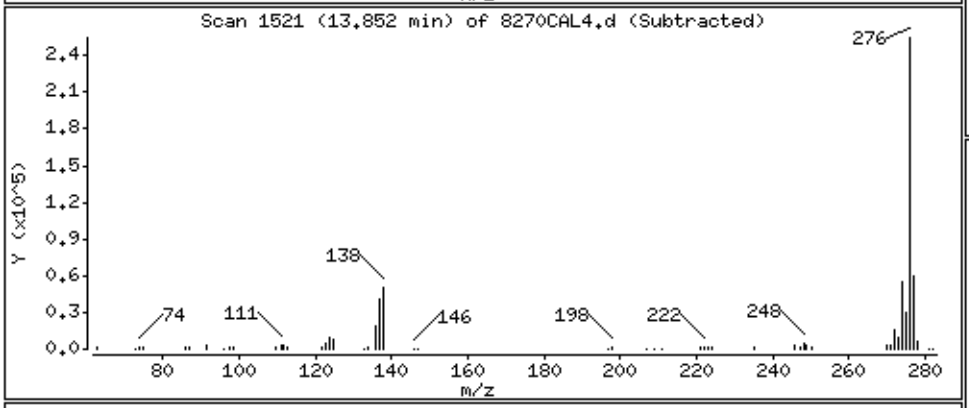
Column diameter: 0.25

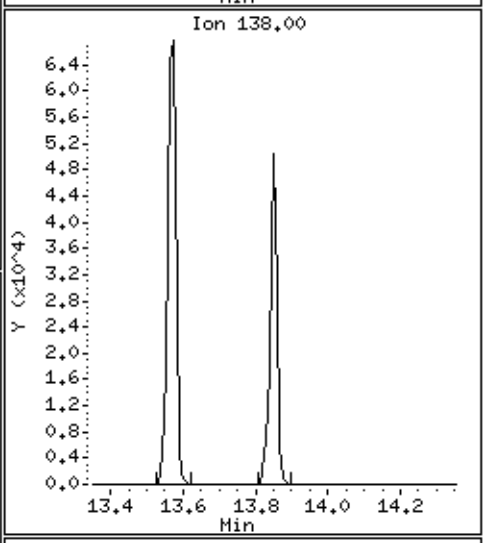
135 Benzo[g,h,i]perylene

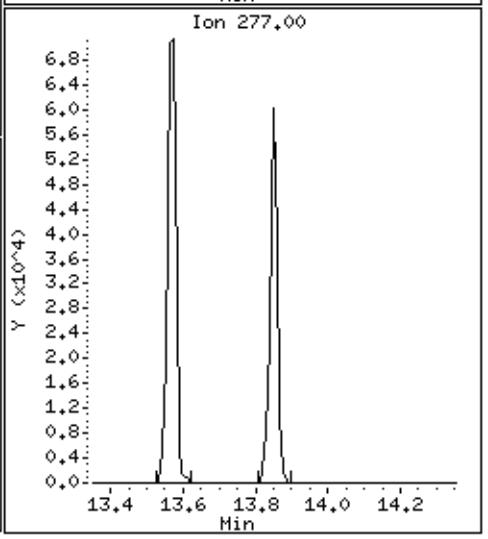
Concentration: 47.0 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d
Lab Smp Id: 47767 Client Smp ID: 8270CAL3
Inj Date : 15-NOV-2012 00:04 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47767
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 14:41 Cal File: AP9CAL3.d
Als bottle: 25 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
2 Pyridine						CAS #: 110-86-1		
2.230	2.228	(0.519)	79	61474	20.0000	18.9	80.00- 120.00	100.00
2.230	2.228	(0.519)	52	39683			35.30- 95.30	64.55
M 16 Cresols (Total)						CAS #: 1319-77-3		
				107667	40.0000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.220	2.220	(0.517)	42	27528	20.0000	19.1	80.00- 120.00	100.00
2.221	2.220	(0.517)	74	36196			97.07- 157.07	131.49
2.221	2.221	(0.517)	44	1670			0.00- 34.98	6.07
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.245	3.246	(0.756)	112	108488	40.0000	37.4	80.00- 120.00	100.00
3.245	3.246	(0.756)	64	71830			32.62- 92.62	66.21
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.001	4.006	(0.931)	99	135619	40.0000	36.8	80.00- 120.00	100.00
4.000	4.006	(0.931)	42	27643			0.00- 49.74	20.38
4.000	4.006	(0.931)	71	58510			12.66- 72.66	43.14

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol							CAS #: 108-95-2	
4.011	4.016 (0.934)		94	79943	20.0000	18.8	80.00- 120.00	100.00
4.011	4.016 (0.934)		65	25745			0.94- 60.94	32.20
4.010	4.015 (0.933)		66	42310			21.40- 81.40	52.93
10 Aniline							CAS #: 62-53-3	
4.044	4.046 (0.941)		93	80314	20.0000	20.0	80.00- 120.00	100.00
4.044	4.046 (0.941)		65	17157			0.00- 50.97	21.36
4.043	4.046 (0.941)		66	33382			12.95- 72.95	41.56
14 Bis(2-Chloroethyl)ether							CAS #: 111-44-4	
4.089	4.094 (0.952)		93	56055	20.0000	19.6	80.00- 120.00	100.00
4.089	4.093 (0.952)		63	41976			43.04- 103.04	74.88
4.090	4.094 (0.952)		95	18161			1.90- 61.90	32.40
15 2-Chlorophenol							CAS #: 95-57-8	
4.140	4.142 (0.964)		128	53507	20.0000	19.3	80.00- 120.00	100.00
4.140	4.142 (0.964)		64	29117			24.14- 84.14	54.42
4.140	4.142 (0.964)		130	17849			2.15- 62.15	33.36
17 1,3-Dichlorobenzene							CAS #: 541-73-1	
4.266	4.267 (0.993)		146	63310	20.0000	19.1	80.00- 120.00	100.00
4.266	4.267 (0.993)		148	41445			34.15- 94.15	65.46
4.266	4.267 (0.993)		111	30395			14.34- 74.34	48.01
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.296	4.294 (1.000)		152	87947	40.0000		80.00- 120.00	100.00
4.295	4.294 (1.000)		115	56261			34.81- 94.81	63.97
4.296	4.294 (1.000)		150	150844			126.51- 186.51	171.52
19 1,4-Dichlorobenzene							CAS #: 106-46-7	
4.310	4.311 (1.003)		146	65940	20.0000	19.1	80.00- 120.00	100.00
4.310	4.311 (1.003)		148	42776			36.10- 96.10	64.87
4.310	4.311 (1.003)		111	29625			14.95- 74.95	44.93
21 Benzyl alcohol							CAS #: 100-51-6	
4.427	4.429 (1.031)		108	34782	20.0000	18.6	80.00- 120.00	100.00
4.427	4.429 (1.031)		79	54518			126.03- 186.03	156.74
4.427	4.429 (1.031)		77	37809			76.75- 136.75	108.70
20 1,2-Dichlorobenzene							CAS #: 95-50-1	
4.478	4.478 (1.042)		146	62448	20.0000	19.6	80.00- 120.00	100.00
4.478	4.478 (1.042)		148	39253			33.36- 93.36	62.86
4.478	4.478 (1.042)		111	28234			18.07- 78.07	45.21
22 2-Methylphenol							CAS #: 95-48-7	
4.536	4.538 (1.056)		107	43465	20.0000	19.2	80.00- 120.00	100.00
4.536	4.538 (1.056)		108	49746			83.56- 143.56	114.45
4.536	4.538 (1.056)		79	25913			27.79- 87.79	59.62
23 2,2'-oxybis(1-chloropropane)							CAS #: 108-60-1	
4.570	4.571 (1.064)		45	72596	20.0000	20.2	80.00- 120.00	100.00
4.569	4.571 (1.064)		77	12391			0.00- 47.34	17.07

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
23 2,2'-oxybis(1-chloropropane) (continued)								
4.570	4.571 (1.064)		121	19665			0.00- 56.71	27.09
28 4-Methylphenol						CAS #: 106-44-5		
4.664	4.668 (1.086)		107	64202	20.0000	18.8	80.00- 120.00	100.00
4.664	4.668 (1.086)		108	51655			51.88- 111.88	80.46
4.663	4.668 (1.086)		79	17563			0.00- 57.76	27.36
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.693	4.699 (1.093)		70	46237	20.0000	19.0	80.00- 120.00	100.00
4.693	4.699 (1.093)		42	24736			21.53- 81.53	53.50
4.693	4.699 (1.093)		130	9774			0.00- 51.40	21.14
30 Hexachloroethane						CAS #: 67-72-1		
4.753	4.753 (1.107)		117	28130	20.0000	19.3	80.00- 120.00	100.00
4.754	4.754 (1.107)		201	26105			63.39- 123.39	92.80
4.754	4.754 (1.107)		199	17178			26.40- 86.40	61.07
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.816	4.818 (0.881)		82	72532	20.0000	19.4	80.00- 120.00	100.00
4.816	4.818 (0.881)		128	25460			6.68- 66.68	35.10
4.816	4.818 (0.881)		54	34647			19.12- 79.12	47.77
32 Nitrobenzene						CAS #: 98-95-3		
4.832	4.834 (0.884)		77	74206	20.0000	20.1	80.00- 120.00	100.00
4.833	4.835 (0.884)		123	26383			6.73- 66.73	35.55
4.832	4.834 (0.884)		65	10648			0.00- 43.84	14.35
34 Isophorone						CAS #: 78-59-1		
5.041	5.046 (0.923)		82	121888	20.0000	19.1	80.00- 120.00	100.00
5.041	5.047 (0.923)		138	18600			0.00- 45.91	15.26
5.041	5.046 (0.923)		95	8791			0.00- 37.77	7.21
35 2-Nitrophenol						CAS #: 88-75-5		
5.127	5.128 (0.938)		139	28905	20.0000	18.6	80.00- 120.00	100.00
5.127	5.127 (0.938)		65	19171			33.65- 93.65	66.32
5.126	5.127 (0.938)		109	12729			13.08- 73.08	44.04
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.154	5.158 (0.943)		122	42197	20.0000	18.2	80.00- 120.00	100.00
5.154	5.158 (0.943)		107	55802			100.42- 160.42	132.24
5.154	5.158 (0.943)		121	24695			27.73- 87.73	58.52
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.248	5.252 (0.960)		93	71240	20.0000	19.4	80.00- 120.00	100.00
5.248	5.252 (0.960)		95	22592			2.66- 62.66	31.71
5.248	5.252 (0.961)		123	8753			0.00- 43.79	12.29
40 Benzoic Acid						CAS #: 65-85-0		
5.235	5.267 (0.958)		122	25666	20.0000	21.7	80.00- 120.00	100.00
5.233	5.267 (0.958)		105	35651			114.27- 174.27	138.90
5.234	5.267 (0.958)		77	30864			94.81- 154.81	120.25

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol					CAS #: 120-83-2		
5.340	5.342	(0.977)	162	50077	20.0000	18.9	80.00- 120.00	100.00
5.340	5.342	(0.977)	164	31419			34.34- 94.34	62.74
5.339	5.342	(0.977)	98	18974			8.30- 68.30	37.89
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.424	5.427	(0.993)	180	57057	20.0000	19.5	80.00- 120.00	100.00
5.425	5.427	(0.993)	182	54761			69.17- 129.17	95.98
5.424	5.427	(0.993)	145	16487			0.41- 60.41	28.90
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.464	5.463	(1.000)	136	293034	40.0000		80.00- 120.00	100.00
5.464	5.463	(1.000)	68	21238			0.00- 37.51	7.25
	44 Naphthalene					CAS #: 91-20-3		
5.484	5.486	(1.004)	128	151799	20.0000	19.3	80.00- 120.00	100.00
5.484	5.485	(1.004)	129	16509			0.00- 40.78	10.88
5.484	5.486	(1.004)	127	20385			0.00- 42.17	13.43
	45 4-Chloroaniline					CAS #: 106-47-8		
5.550	5.552	(1.016)	127	62413	20.0000	19.1	80.00- 120.00	100.00
5.550	5.552	(1.016)	129	19916			2.29- 62.29	31.91
5.550	5.551	(1.016)	65	24589			8.57- 68.57	39.40
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.653	5.654	(1.035)	225	40926	20.0000	19.6	80.00- 120.00	100.00
5.653	5.654	(1.035)	223	25224			31.81- 91.81	61.63
5.654	5.654	(1.035)	227	25882			34.78- 94.78	63.24
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.007	6.009	(1.099)	107	52321	20.0000	18.5	80.00- 120.00	100.00
6.007	6.009	(1.099)	144	12377			0.00- 53.54	23.66
6.007	6.009	(1.099)	142	39156			43.91- 103.91	74.84
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.139	6.141	(1.124)	142	103071	20.0000	19.2	80.00- 120.00	100.00
6.139	6.141	(1.124)	141	87806			55.50- 115.50	85.19
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.244	6.247	(1.143)	142	92246	20.0000	18.7	80.00- 120.00	100.00
6.245	6.247	(1.143)	141	82401			58.78- 118.78	89.33
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.360	6.360	(0.887)	237	32144	20.0000	22.8	80.00- 120.00	100.00
6.360	6.360	(0.887)	235	20075			33.42- 93.42	62.45
6.359	6.360	(0.887)	272	4396			0.00- 41.88	13.68
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.436	6.438	(0.898)	196	38410	20.0000	19.6	80.00- 120.00	100.00
6.436	6.438	(0.898)	198	36398			67.54- 127.54	94.76
6.436	6.438	(0.898)	200	11627			1.18- 61.18	30.27
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.471	6.472	(0.903)	196	40244	20.0000	18.6	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
	58 2,4,5-Trichlorophenol (continued)							
6.471	6.472 (0.903)		198	38793			64.33- 124.33	96.39
6.471	6.472 (0.903)		97	23183			27.55- 87.55	57.61
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.512	6.514 (0.908)		172	127425	20.0000	19.1	80.00- 120.00	100.00
6.512	6.514 (0.908)		171	43347			4.90- 64.90	34.02
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.607	6.610 (0.922)		162	105961	20.0000	19.2	80.00- 120.00	100.00
6.607	6.610 (0.922)		164	33893			1.75- 61.75	31.99
6.607	6.610 (0.922)		127	41399			8.71- 68.71	39.07
	63 2-Nitroaniline					CAS #: 88-74-4		
6.736	6.741 (0.940)		65	37824	20.0000	19.3	80.00- 120.00	100.00
6.736	6.741 (0.940)		92	23785			35.13- 95.13	62.88
6.737	6.741 (0.940)		138	33120			59.53- 119.53	87.56
	65 Dimethylphthalate					CAS #: 131-11-3		
6.945	6.950 (0.969)		163	127679	20.0000	19.8	80.00- 120.00	100.00
6.945	6.950 (0.969)		194	7363			0.00- 35.76	5.77
6.944	6.949 (0.969)		164	11977			0.00- 39.66	9.38
	68 Acenaphthylene					CAS #: 208-96-8		
7.018	7.020 (0.979)		152	164440	20.0000	18.8	80.00- 120.00	100.00
7.018	7.020 (0.979)		151	32798			0.00- 50.20	19.95
7.017	7.020 (0.979)		153	21091			0.00- 43.02	12.83
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.010	7.015 (0.978)		165	28829	20.0000	18.6	80.00- 120.00	100.00
7.009	7.015 (0.978)		89	19721			39.45- 99.45	68.41
7.012	7.016 (0.978)		63	30956			74.66- 134.66	107.38
	69 3-Nitroaniline					CAS #: 99-09-2		
7.140	7.146 (0.996)		138	28043	20.0000	19.9	80.00- 120.00	100.00
7.141	7.146 (0.996)		108	3710			0.00- 42.35	13.23
7.140	7.145 (0.996)		92	39681			104.62- 164.62	141.50
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.168	7.167 (1.000)		164	182641	40.0000		80.00- 120.00	100.00
7.168	7.168 (1.000)		162	174460			66.12- 126.12	95.52
7.168	7.167 (1.000)		160	77062			13.21- 73.21	42.19
	71 Acenaphthene					CAS #: 83-32-9		
7.198	7.201 (1.004)		154	95804	20.0000	19.2	80.00- 120.00	100.00
7.198	7.200 (1.004)		153	102002			77.18- 137.18	106.47
7.198	7.200 (1.004)		152	49204			21.21- 81.21	51.36
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.238	7.243 (1.010)		184	12667	20.0000	23.4	80.00- 120.00	100.00
7.237	7.242 (1.010)		63	9780			48.18- 108.18	77.21
7.239	7.242 (1.010)		154	8602			33.05- 93.05	67.91

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.298	7.303 (1.018)		109	22765	20.0000	18.2	80.00- 120.00	100.00
7.298	7.303 (1.018)		139	20525			61.80- 121.80	90.16
7.298	7.303 (1.018)		65	26743			80.41- 140.41	117.47
75 Dibenzofuran						CAS #: 132-64-9		
7.351	7.355 (1.026)		168	147492	20.0000	19.3	80.00- 120.00	100.00
7.351	7.355 (1.025)		139	60108			10.69- 70.69	40.75
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.388	7.392 (1.031)		165	38222	20.0000	20.3	80.00- 120.00	100.00
7.387	7.392 (1.031)		63	19553			23.55- 83.55	51.16
7.388	7.392 (1.031)		89	31193			51.82- 111.82	81.61
80 Diethylphthalate						CAS #: 84-66-2		
7.634	7.640 (1.065)		149	124461	20.0000	19.6	80.00- 120.00	100.00
7.634	7.640 (1.065)		177	25842			0.00- 51.79	20.76
7.634	7.640 (1.065)		150	15776			0.00- 42.28	12.68
81 Fluorene						CAS #: 86-73-7		
7.688	7.690 (1.073)		166	127014	20.0000	18.5	80.00- 120.00	100.00
7.688	7.690 (1.073)		165	119830			61.04- 121.04	94.34
7.688	7.690 (1.073)		167	16673			0.00- 43.06	13.13
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.689	7.690 (1.073)		204	66377	20.0000	18.3	80.00- 120.00	100.00
7.689	7.690 (1.073)		206	22104			2.85- 62.85	33.30
7.688	7.690 (1.073)		141	41257			29.43- 89.43	62.16
84 4-Nitroaniline						CAS #: 100-01-6		
7.739	7.750 (1.080)		138	23335	20.0000	18.1	80.00- 120.00	100.00
7.738	7.749 (1.080)		92	14296			30.30- 90.30	61.26
7.739	7.749 (1.080)		108	27467			85.44- 145.44	117.71
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.782	7.790 (0.905)		198	21342	20.0000	15.8	80.00- 120.00	100.00
7.781	7.789 (0.905)		51	10734			21.07- 81.07	50.30
7.782	7.789 (0.905)		105	9673			14.43- 74.43	45.32
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.810	7.814 (0.908)		169	82845	20.0000	19.4	80.00- 120.00	100.00
7.809	7.815 (0.908)		168	53652			41.33- 101.33	64.76
7.810	7.815 (0.908)		167	29169			5.93- 65.93	35.21
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.841	7.845 (1.094)		77	139992	20.0000	19.1	80.00- 120.00	100.00
7.841	7.845 (1.094)		105	20379			0.00- 44.08	14.56
7.841	7.845 (1.094)		182	32941			0.00- 53.69	23.53
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.943	7.946 (1.108)		330	43066	40.0000	35.7	80.00- 120.00	100.00
7.943	7.946 (1.108)		332	41476			65.21- 125.21	96.31
7.941	7.945 (1.108)		141	18208			10.78- 70.78	42.28

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.162	8.163 (0.949)		248	39196	20.0000	18.6	80.00- 120.00	100.00
8.162	8.163 (0.949)		250	37387			66.63- 126.63	95.38
8.161	8.162 (0.949)		141	31187			49.24- 109.24	79.57
94 Hexachlorobenzene						CAS #: 118-74-1		
8.306	8.307 (0.966)		284	43837	20.0000	18.4	80.00- 120.00	100.00
8.305	8.307 (0.965)		142	17561			10.52- 70.52	40.06
8.306	8.307 (0.966)		249	13993			1.60- 61.60	31.92
96 Pentachlorophenol						CAS #: 87-86-5		
8.478	8.480 (0.986)		266	23300	20.0000	21.7	80.00- 120.00	100.00
8.478	8.481 (0.986)		264	13841			33.54- 93.54	59.40
8.478	8.481 (0.986)		268	13891			34.39- 94.39	59.62
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.602	8.604 (1.000)		188	325222	40.0000		80.00- 120.00	100.00
8.601	8.604 (1.000)		94	32598			0.00- 40.39	10.02
8.601	8.603 (1.000)		80	37349			0.00- 41.55	11.48
101 Phenanthrene						CAS #: 85-01-8		
8.623	8.626 (1.002)		178	171220	20.0000	18.8	80.00- 120.00	100.00
8.623	8.626 (1.002)		179	25752			0.00- 45.20	15.04
8.623	8.626 (1.002)		176	32597			0.00- 48.69	19.04
103 Anthracene						CAS #: 120-12-7		
8.665	8.670 (1.007)		178	152381	20.0000	18.7	80.00- 120.00	100.00
8.666	8.670 (1.007)		179	23015			0.00- 45.53	15.10
8.666	8.670 (1.007)		176	28106			0.00- 49.11	18.44
104 Carbazole						CAS #: 86-74-8		
8.826	8.830 (1.026)		167	148575	20.0000	18.2	80.00- 120.00	100.00
8.826	8.830 (1.026)		139	19978			0.00- 43.72	13.45
8.825	8.830 (1.026)		83	13392			0.00- 39.70	9.01
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.225	9.227 (1.072)		149	205382	20.0000	18.2	80.00- 120.00	100.00
9.225	9.227 (1.072)		150	18483			0.00- 39.16	9.00
9.224	9.227 (1.072)		104	13878			0.00- 36.36	6.76
109 Fluoranthene						CAS #: 206-44-0		
9.793	9.797 (1.139)		202	187794	20.0000	18.4	80.00- 120.00	100.00
9.793	9.796 (1.138)		101	21846			0.00- 41.60	11.63
9.793	9.797 (1.139)		203	31996			0.00- 47.37	17.04
111 Pyrene						CAS #: 129-00-0		
10.013	10.016 (0.893)		202	191430	20.0000	19.5	80.00- 120.00	100.00
10.014	10.016 (0.893)		200	39254			0.00- 50.33	20.51
10.013	10.016 (0.893)		203	33520			0.00- 47.92	17.51
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.176	10.179 (0.908)		244	145641	20.0000	18.8	80.00- 120.00	100.00
10.175	10.178 (0.908)		122	15499			0.00- 40.67	10.64

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.176	10.179	(0.908)	212	11211			0.00- 37.92	7.70
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.690	10.690	(0.954)	149	89268	20.0000	18.0	80.00- 120.00	100.00
10.690	10.691	(0.954)	91	69294			45.72- 105.72	77.62
10.690	10.692	(0.954)	206	20818			0.00- 51.71	23.32
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.191	11.194	(0.998)	228	184304	20.0000	18.6	80.00- 120.00	100.00
11.191	11.194	(0.998)	229	35007			0.00- 49.13	18.99
11.191	11.194	(0.998)	226	46955			0.00- 57.06	25.48
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	363471	40.0000		80.00- 120.00	100.00
11.209	11.210	(1.000)	120	36719			0.00- 40.02	10.10
11.210	11.210	(1.000)	236	89712			0.00- 54.50	24.68
123 Chrysene						CAS #: 218-01-9		
11.233	11.238	(1.002)	228	183440	20.0000	19.0	80.00- 120.00	100.00
11.233	11.238	(1.002)	226	51743			0.00- 59.08	28.21
11.233	11.238	(1.002)	229	34716			0.00- 49.34	18.92
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.274	11.275	(1.006)	149	122477	20.0000	17.9	80.00- 120.00	100.00
11.274	11.276	(1.006)	167	35796			0.00- 59.84	29.23
11.275	11.276	(1.006)	279	8749			0.00- 37.67	7.14
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.841	11.842	(0.945)	149	209463	20.0000	24.6	80.00- 120.00	100.00
11.841	11.843	(0.945)	167	3530			0.00- 31.49	1.69
11.840	11.842	(0.945)	43	18414			0.00- 38.92	8.79
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.195	12.198	(0.973)	252	174379	20.0000	18.3	80.00- 120.00	100.00
12.194	12.198	(0.973)	253	41258			0.00- 52.25	23.66
12.193	12.219	(0.973)	125	17432			0.00- 48.56	10.00
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.213	12.220	(0.975)	252	179085	20.0000	17.0	80.00- 120.00	100.00
12.213	12.220	(0.975)	253	38339			0.00- 52.11	21.41
12.213	12.219	(0.975)	125	14030			0.00- 46.79	7.83
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.478	12.484	(0.996)	252	164486	20.0000	17.9	80.00- 120.00	100.00
12.477	12.484	(0.996)	253	42204			0.00- 51.58	25.66
12.477	12.484	(0.996)	125	16558			0.00- 39.66	10.07
* 130 Perylene-d12						CAS #: 1520-96-3		
12.530	12.532	(1.000)	264	334329	40.0000		80.00- 120.00	100.00
12.531	12.533	(1.000)	260	72995			0.00- 52.70	21.83
12.530	12.532	(1.000)	265	70528			0.00- 52.11	21.10

					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		
13.561	13.569	(1.082)	276	188964	20.0000	18.4	80.00- 120.00	100.00
13.563	13.570	(1.082)	138	43098			0.00- 53.00	22.81
13.562	13.570	(1.082)	277	47653			0.00- 55.19	25.22
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.568	13.574	(1.083)	278	158013	20.0000	18.1	80.00- 120.00	100.00
13.567	13.573	(1.083)	139	21755			0.00- 45.33	13.77
13.568	13.574	(1.083)	279	36009			0.00- 53.44	22.79
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.844	13.852	(1.105)	276	154794	20.0000	19.7	80.00- 120.00	100.00
13.843	13.852	(1.105)	138	30412			0.00- 48.86	19.65
13.843	13.852	(1.105)	277	37520			0.00- 53.33	24.24

QC Flag Legend

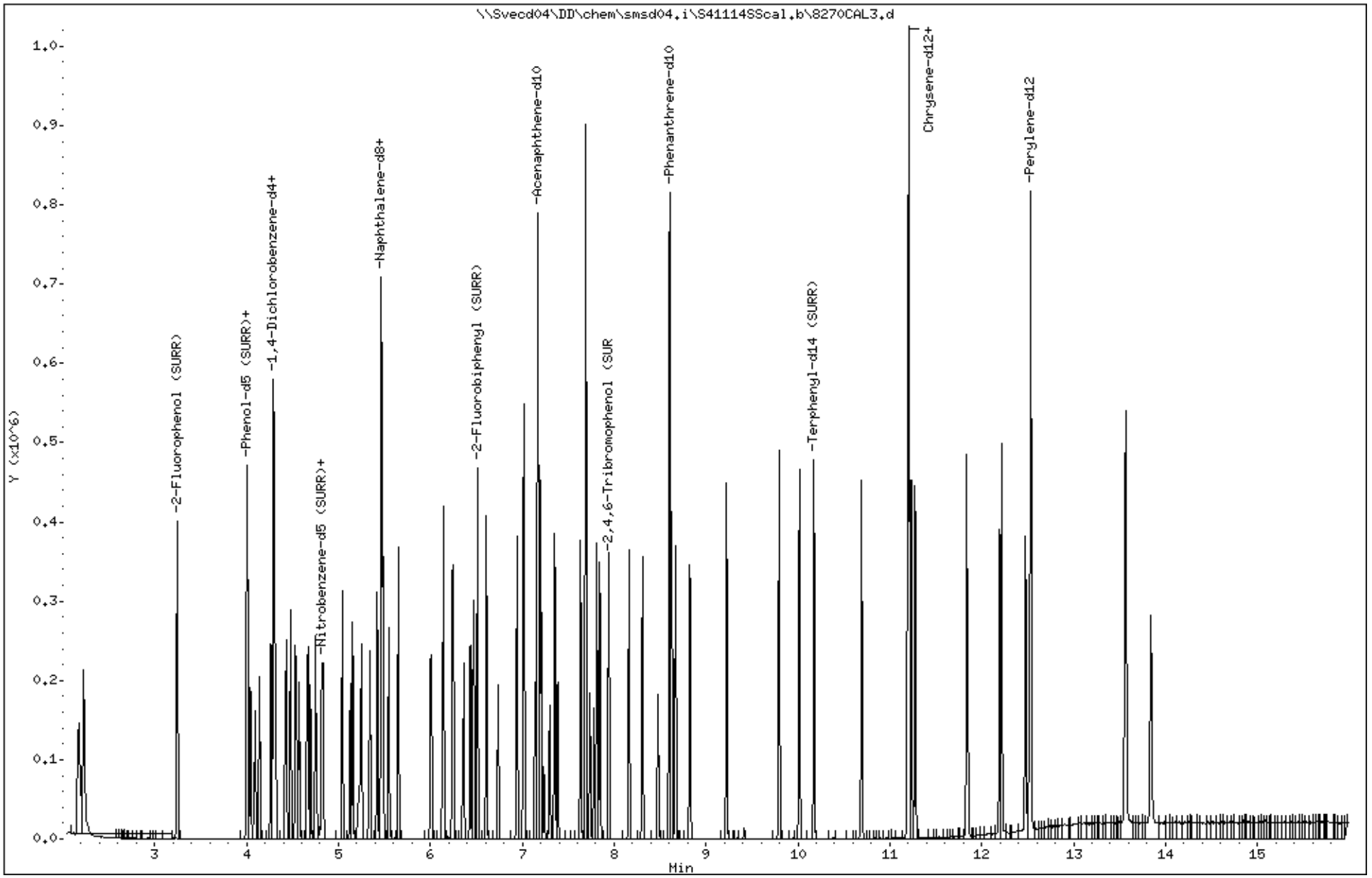
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d
Date : 15-NOV-2012 00:04
Client ID: 8270CAL3
Sample Info: 47767

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

695



3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

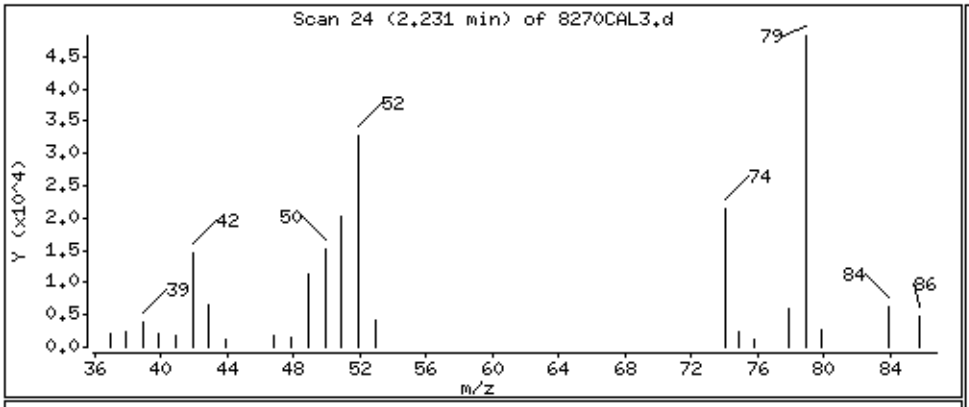
Operator: MJ

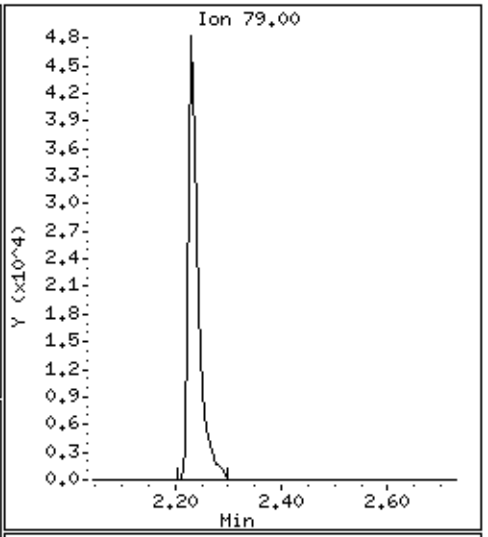
Column phase: HPMS-5

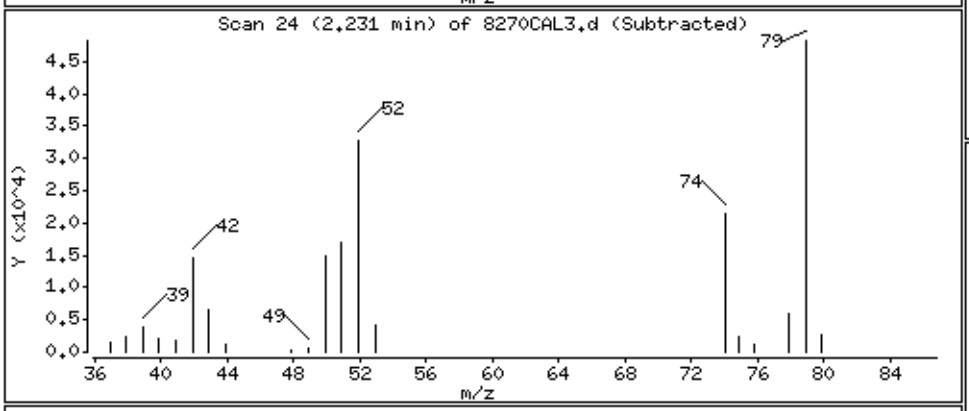
Column diameter: 0.25

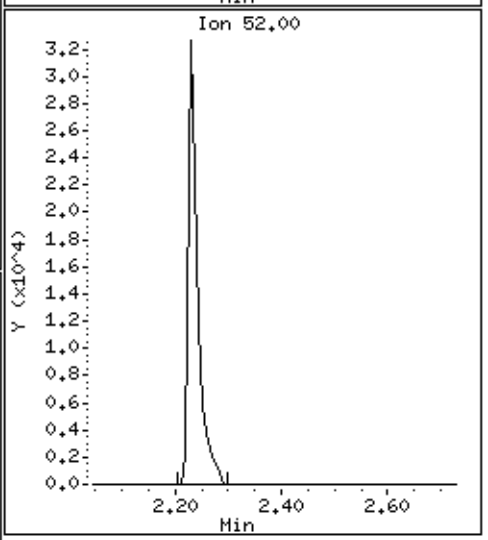
2 Pyridine

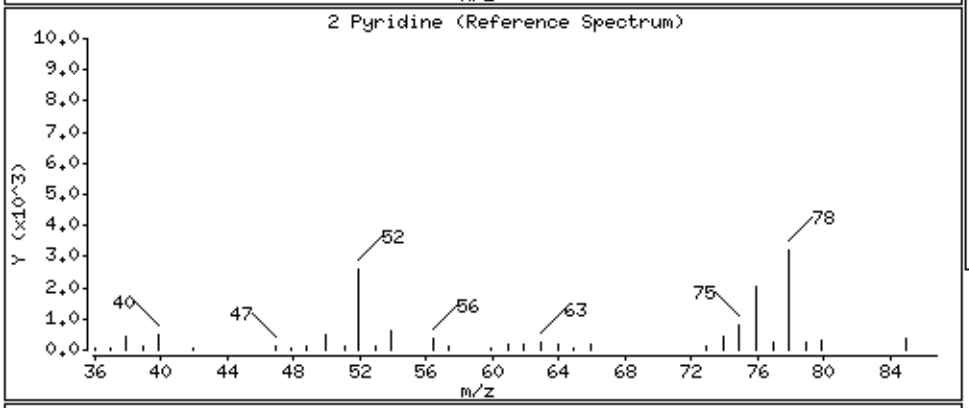
Concentration: 18.9 ug/kg

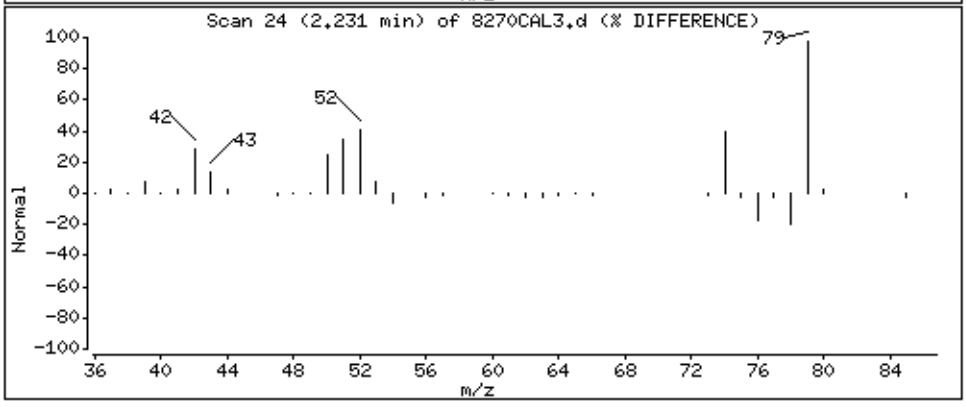












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

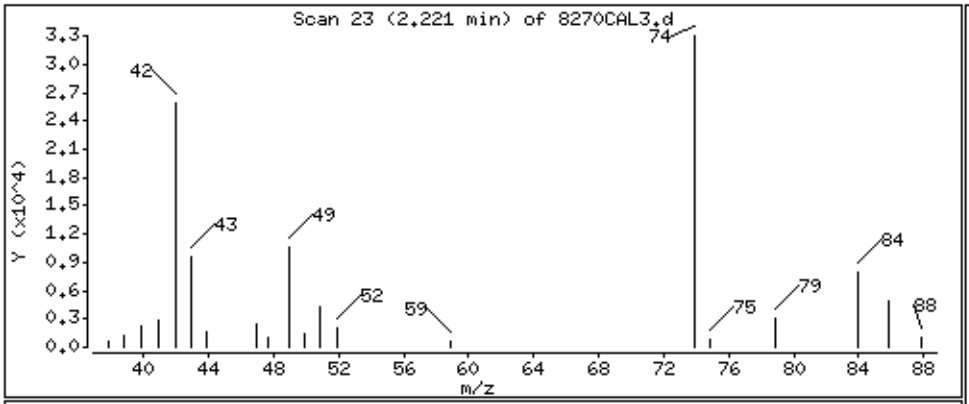
Operator: MJ

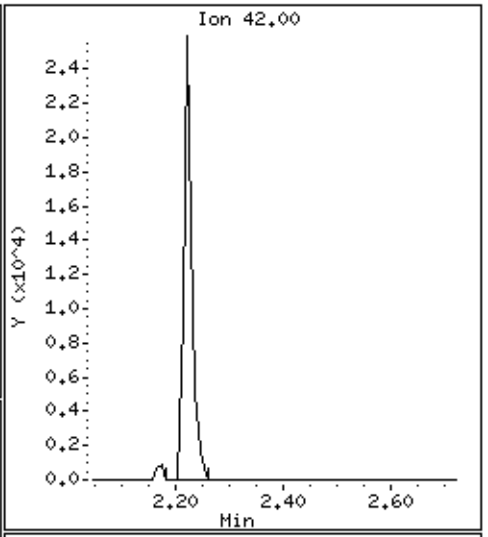
Column phase: HPMS-5

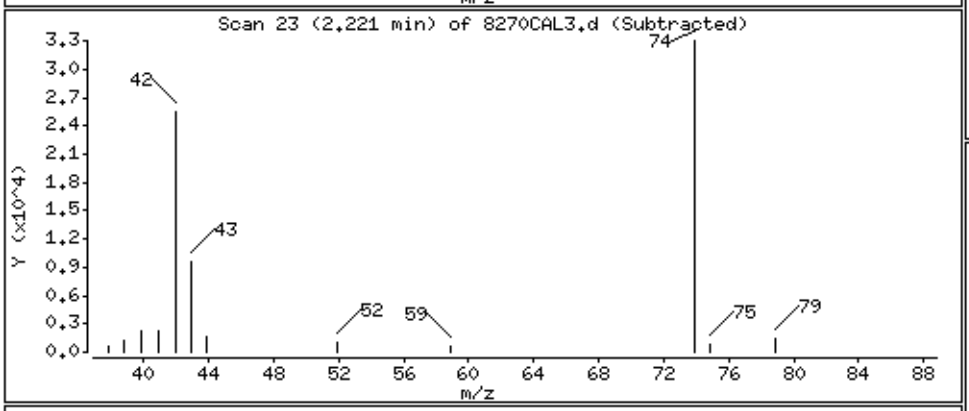
Column diameter: 0.25

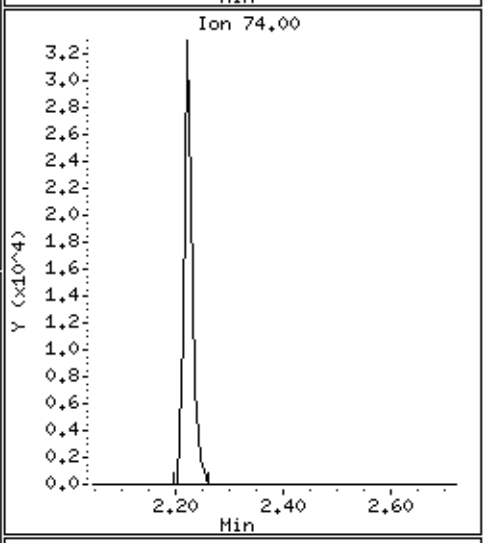
1 N-Nitrosodimethylamine

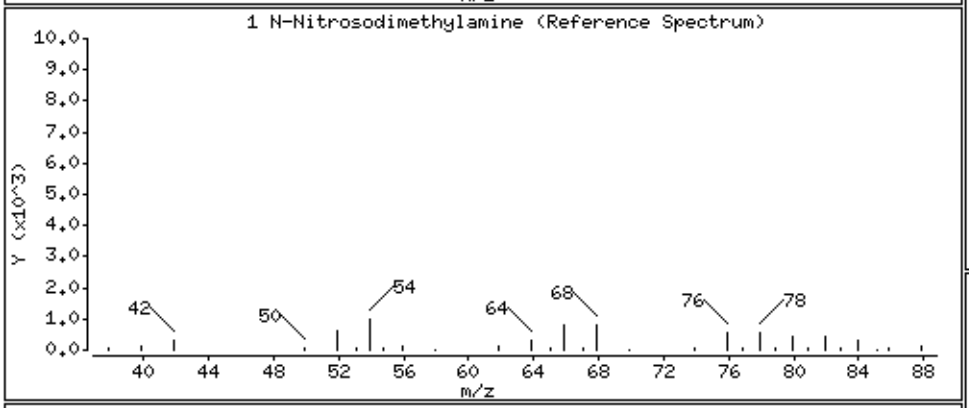
Concentration: 19.1 ug/kg

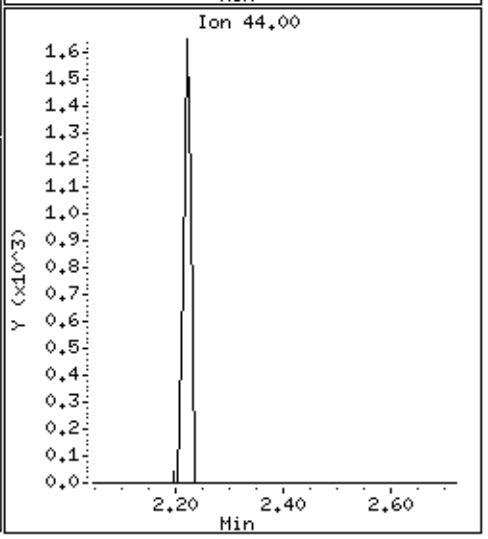


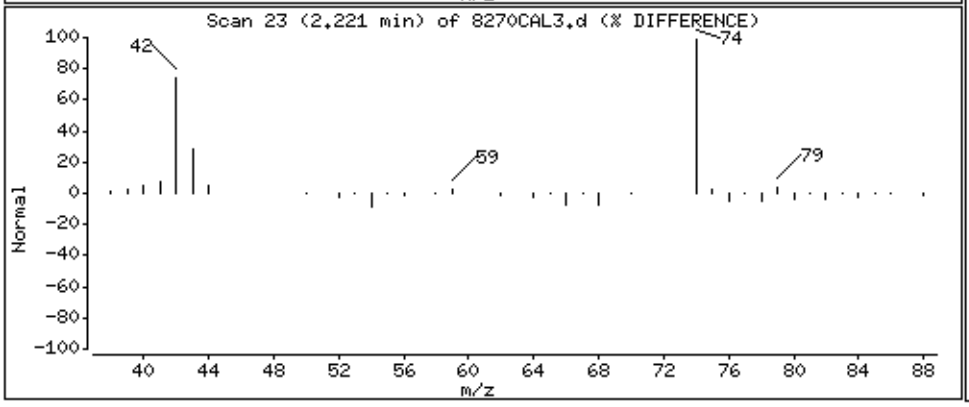












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

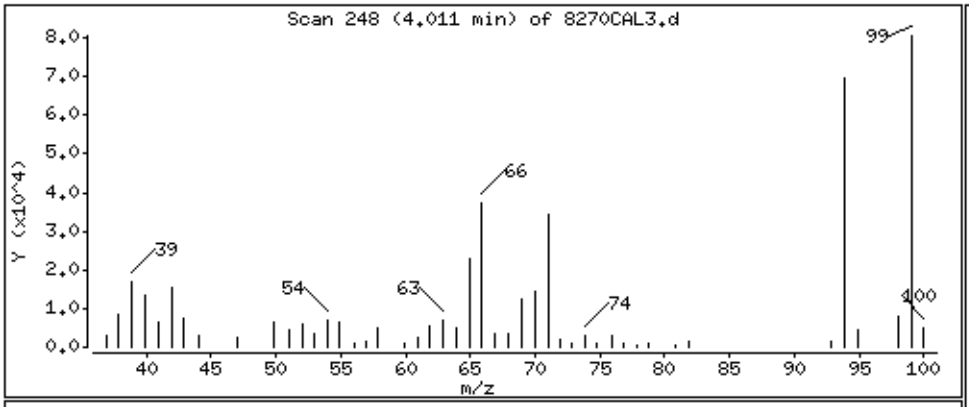
Operator: MJ

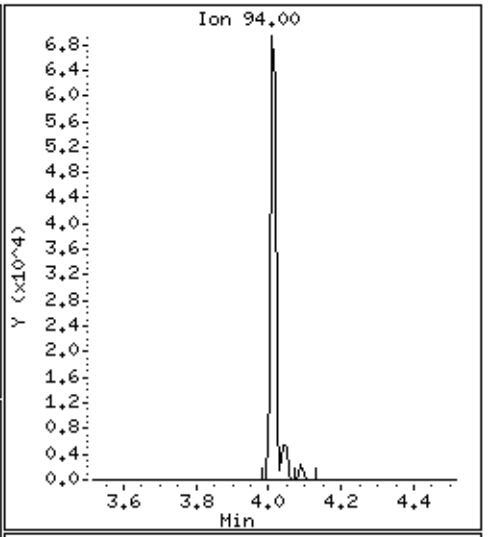
Column phase: HPMS-5

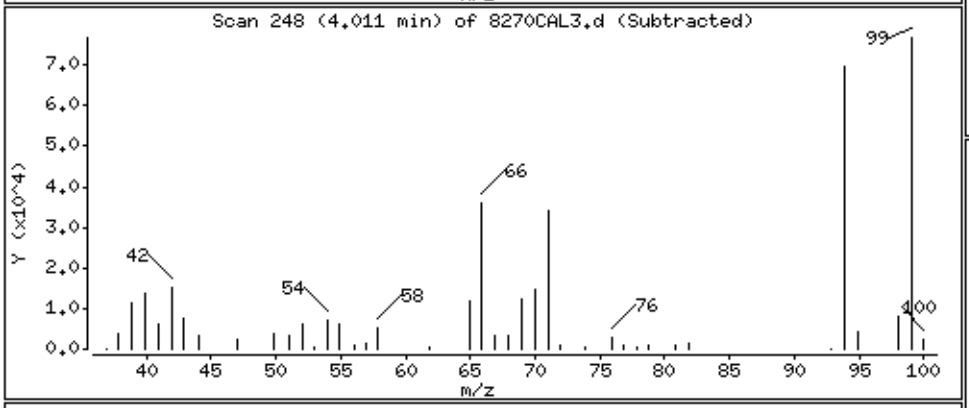
Column diameter: 0.25

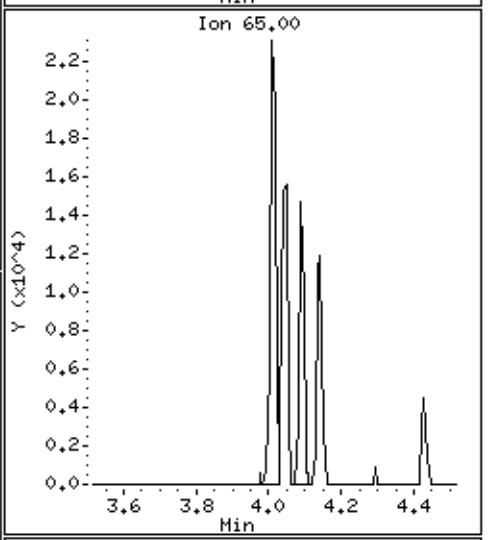
13 Phenol

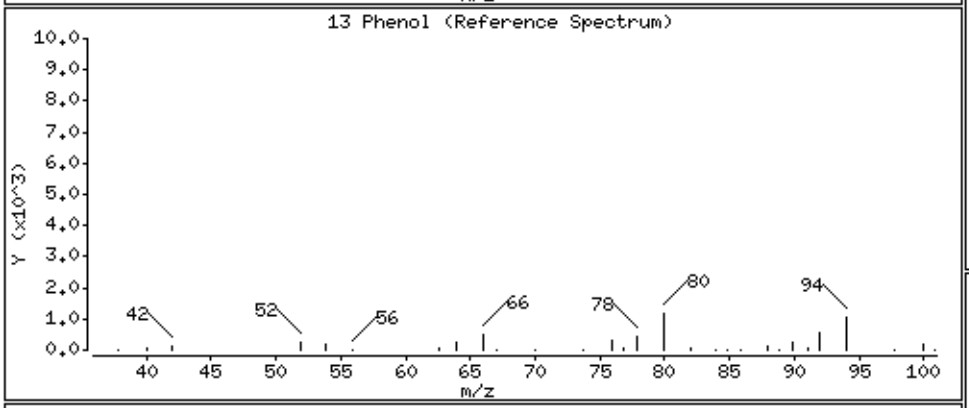
Concentration: 18.8 ug/kg

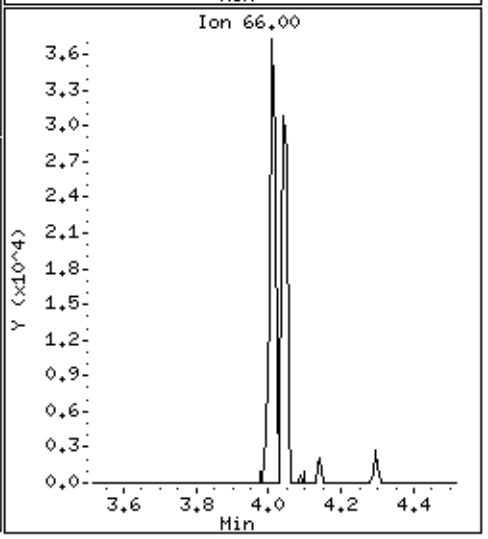


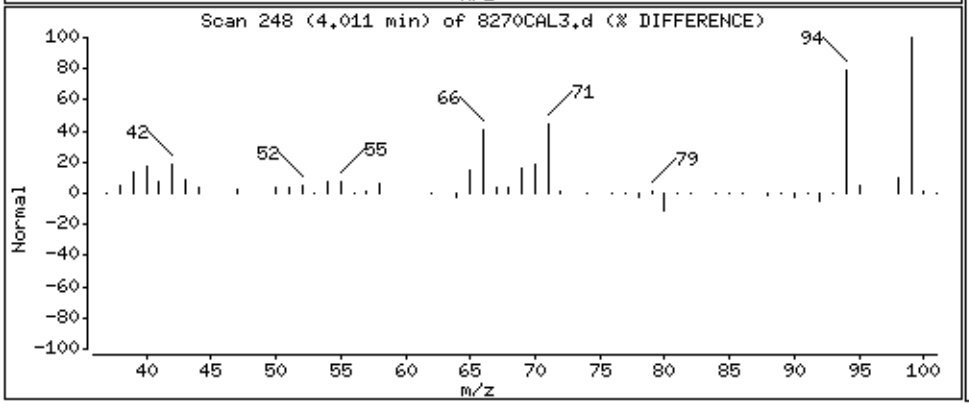












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

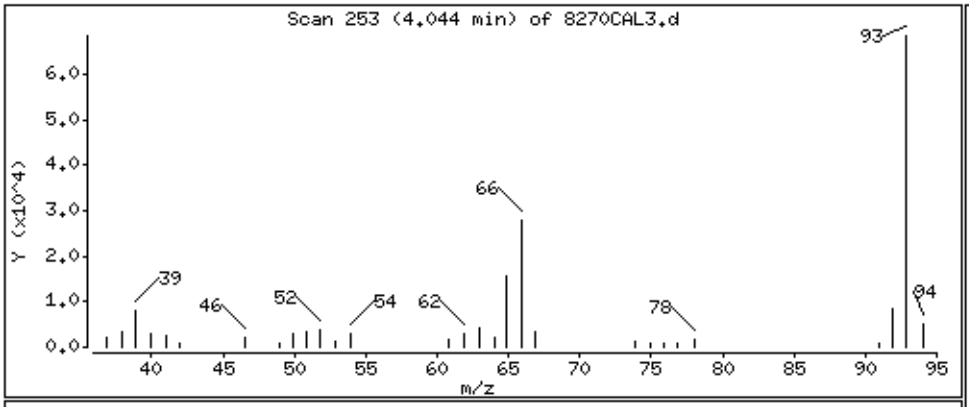
Operator: MJ

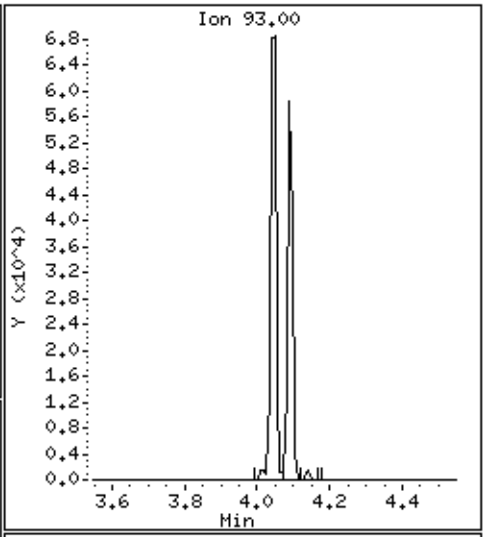
Column phase: HPMS-5

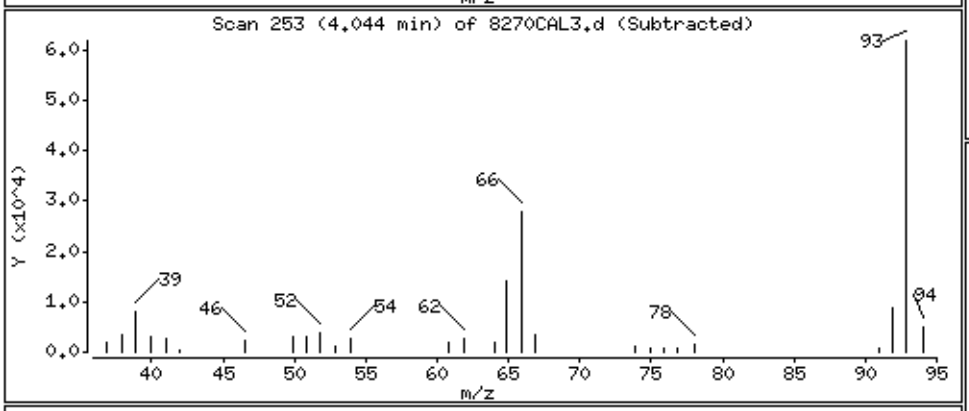
Column diameter: 0.25

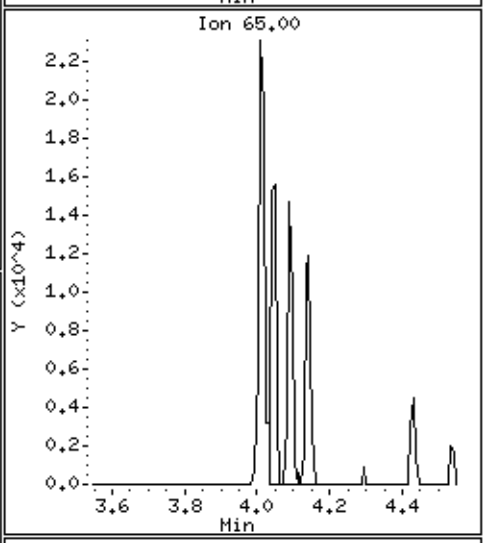
10 Aniline

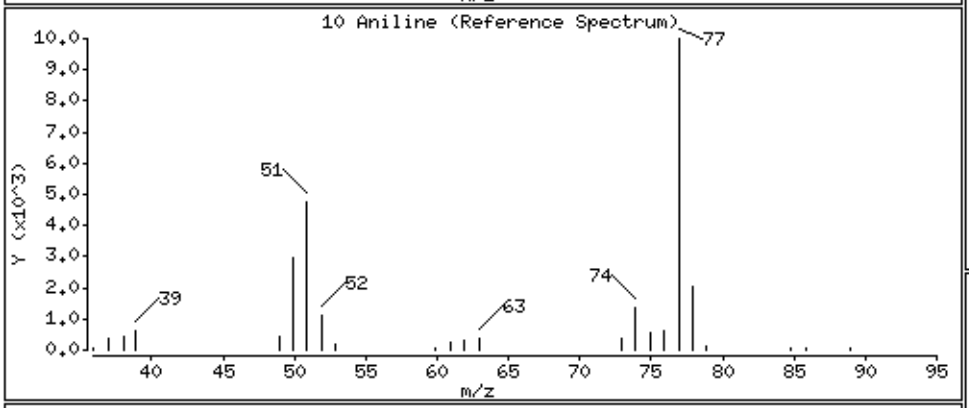
Concentration: 20.0 ug/kg

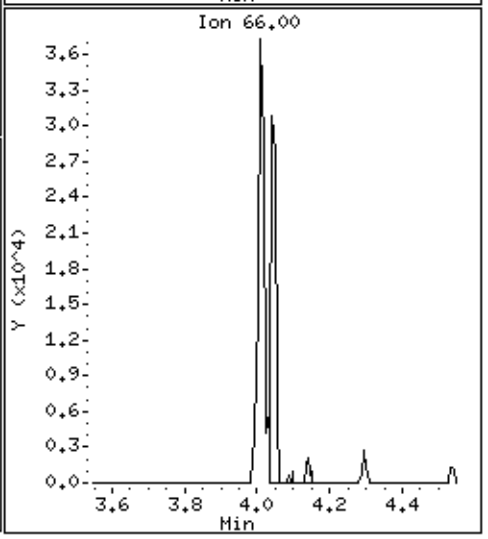


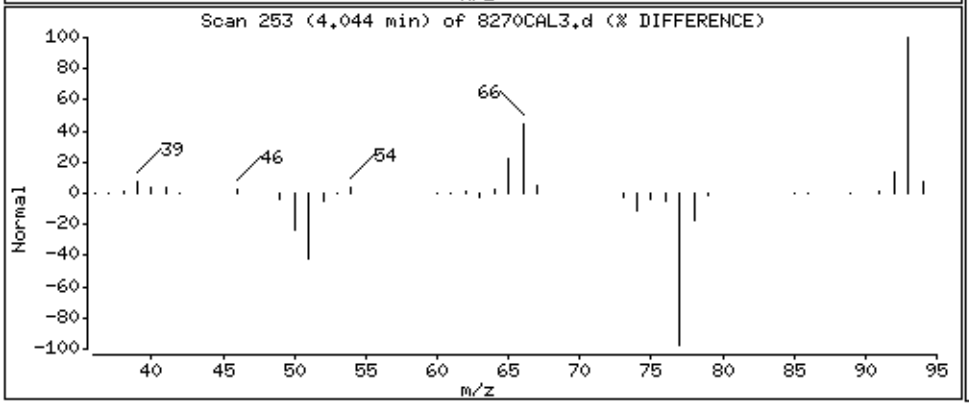












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

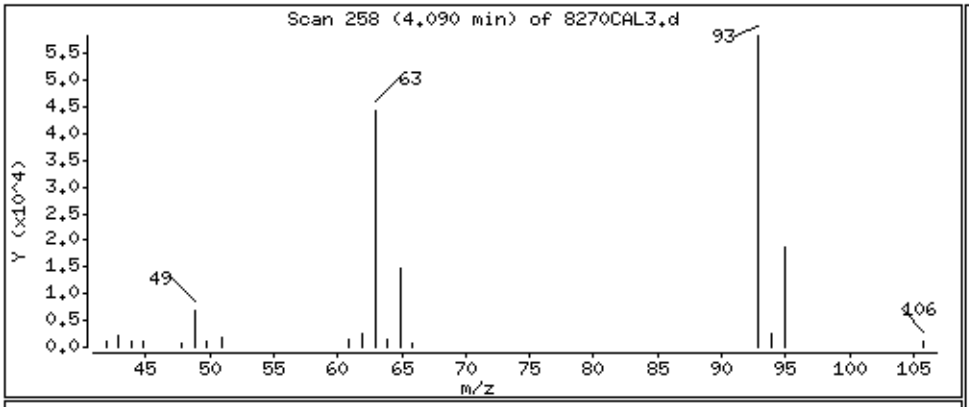
Operator: MJ

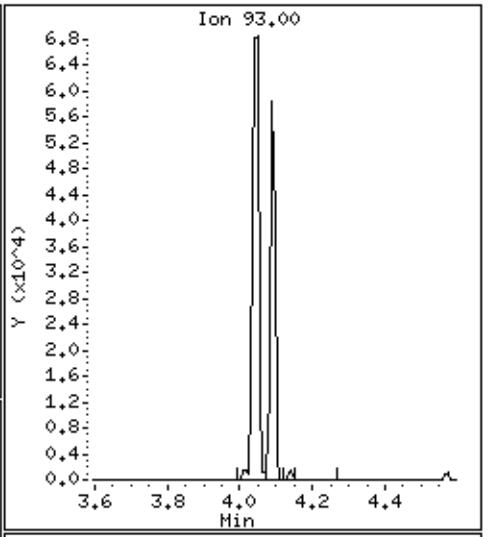
Column phase: HPMS-5

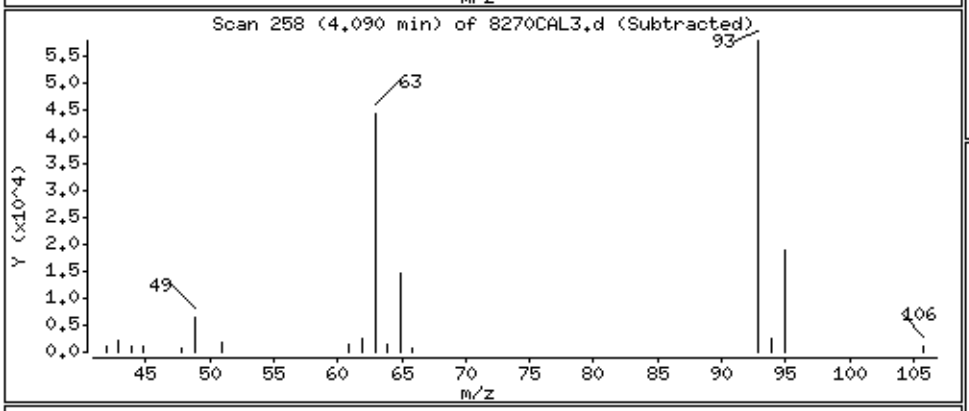
Column diameter: 0.25

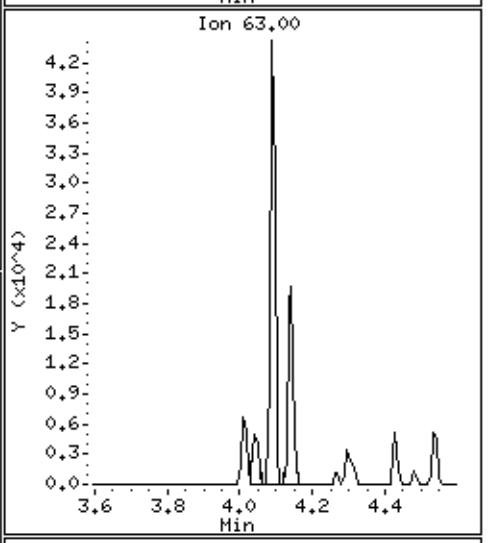
14 Bis(2-Chloroethyl)ether

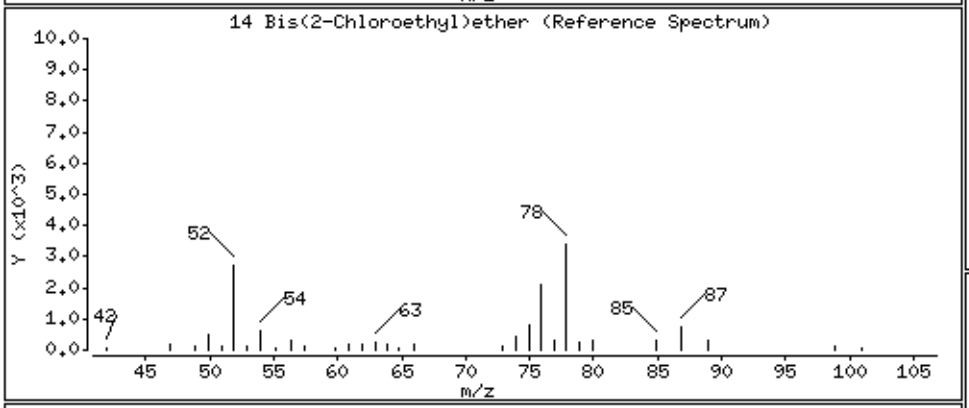
Concentration: 19.6 ug/kg

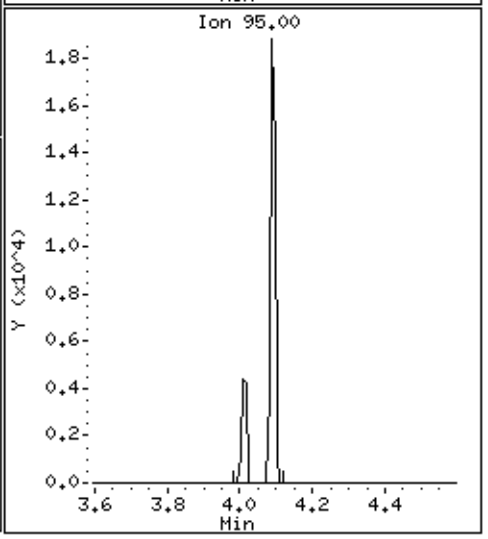


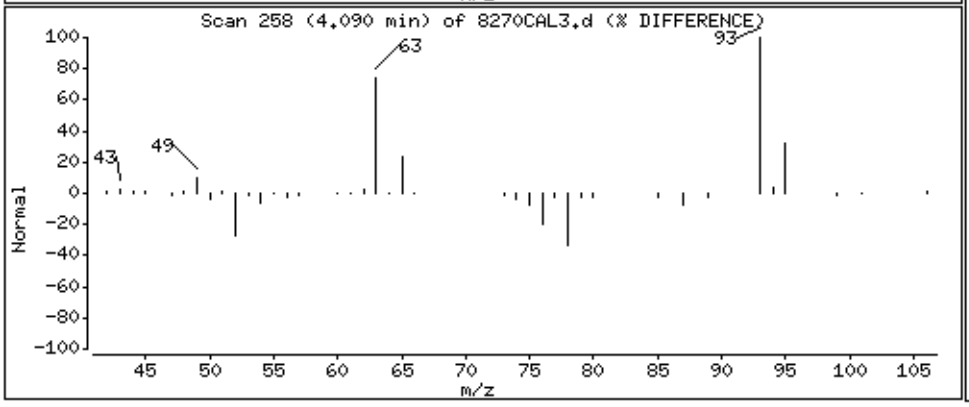












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

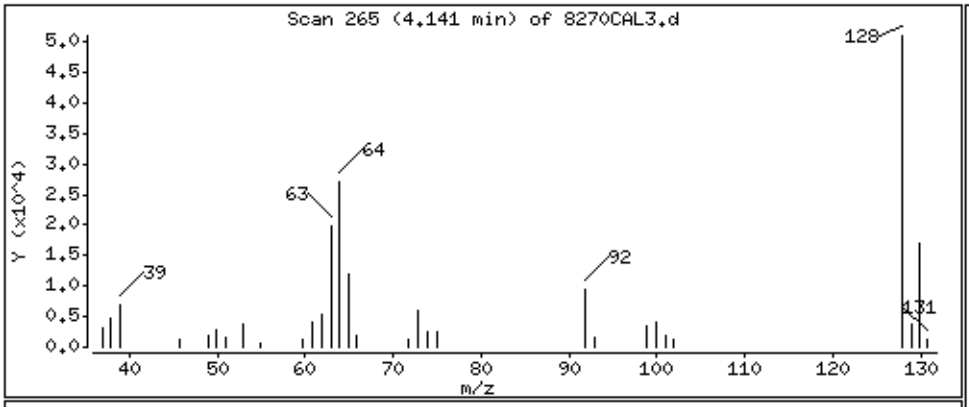
Operator: MJ

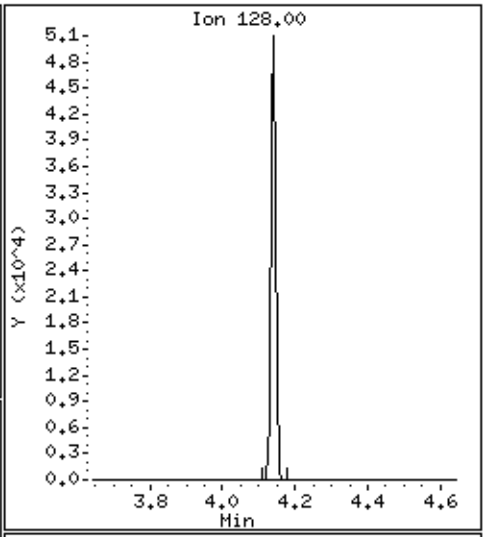
Column phase: HPMS-5

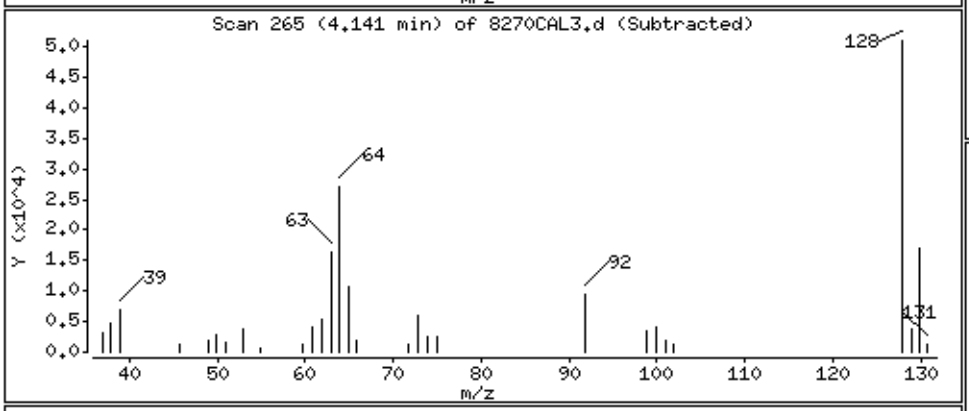
Column diameter: 0.25

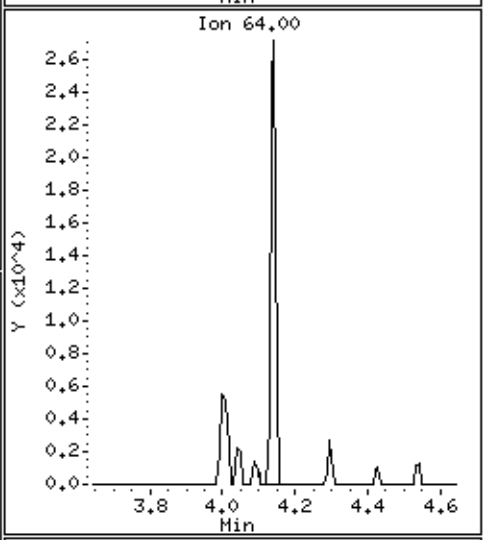
15 2-Chlorophenol

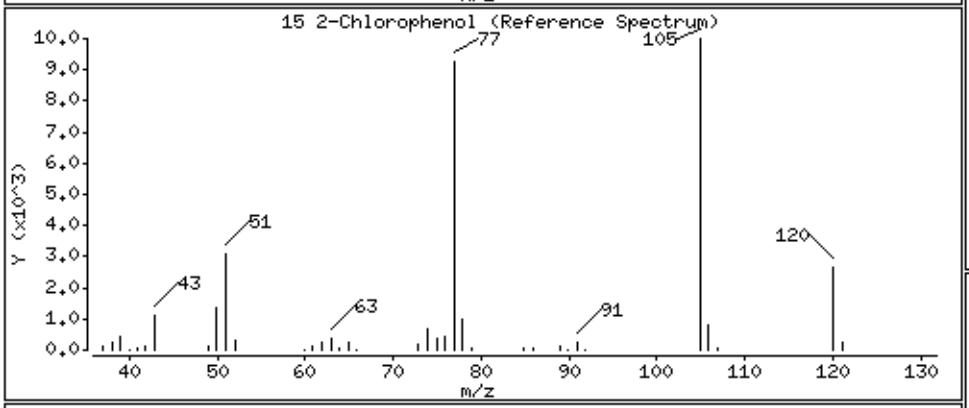
Concentration: 19.3 ug/kg

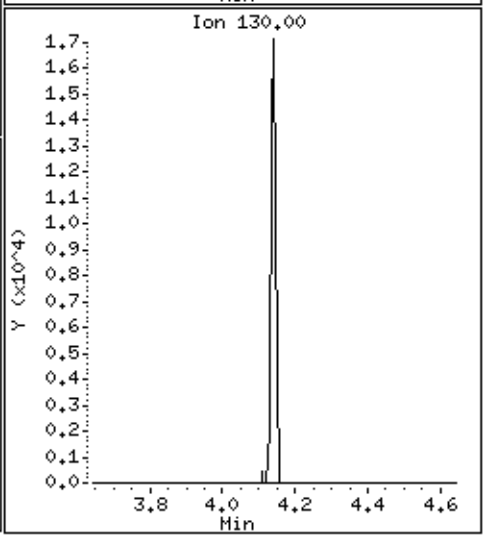


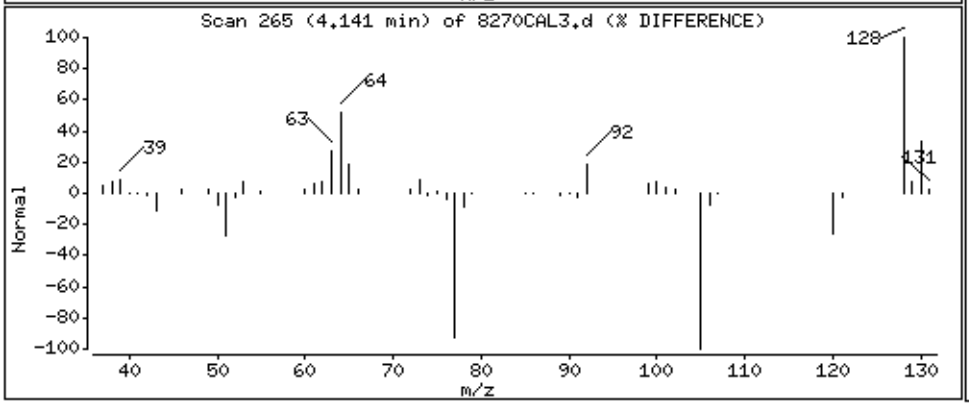












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

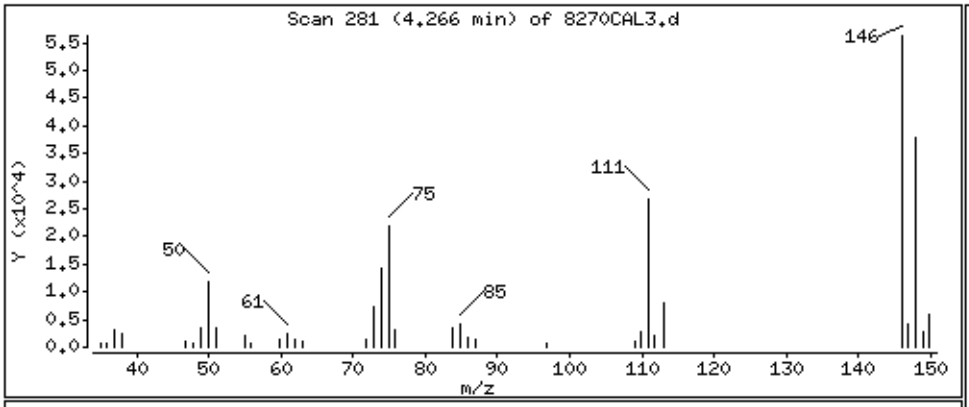
Operator: MJ

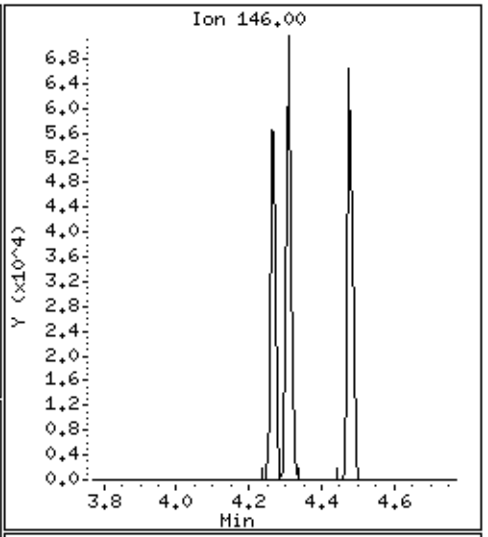
Column phase: HPMS-5

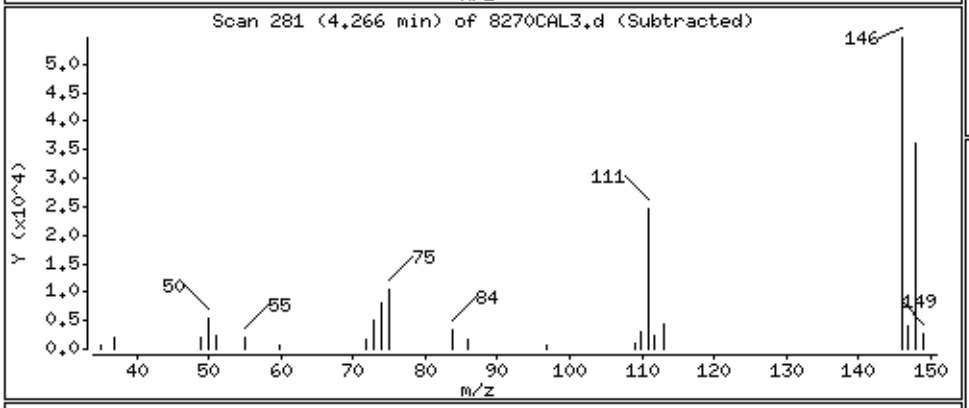
Column diameter: 0.25

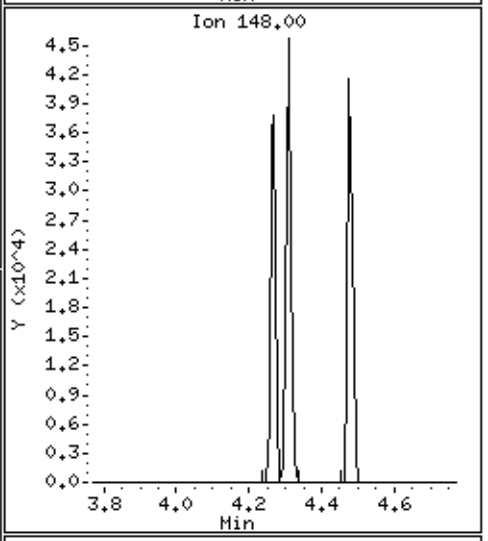
17 1,3-Dichlorobenzene

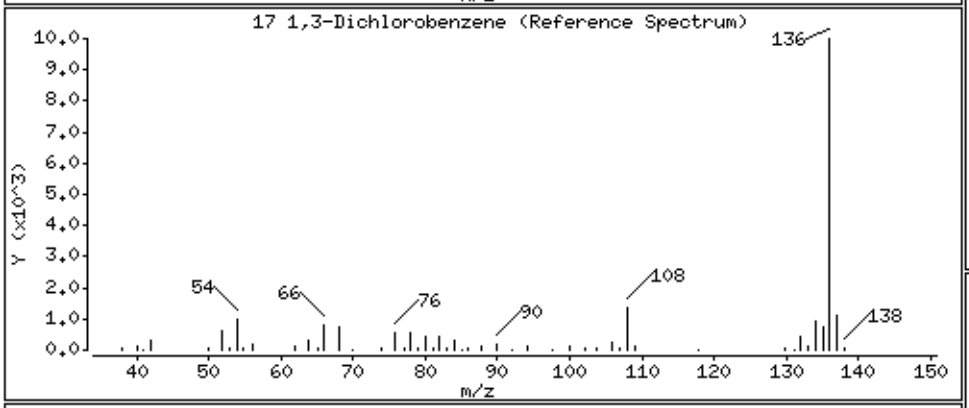
Concentration: 19.1 ug/kg

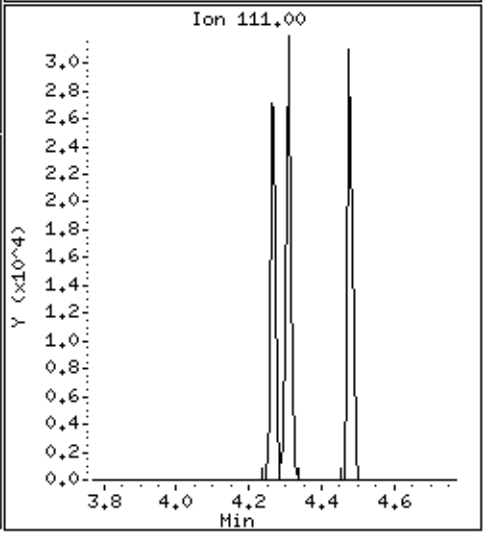


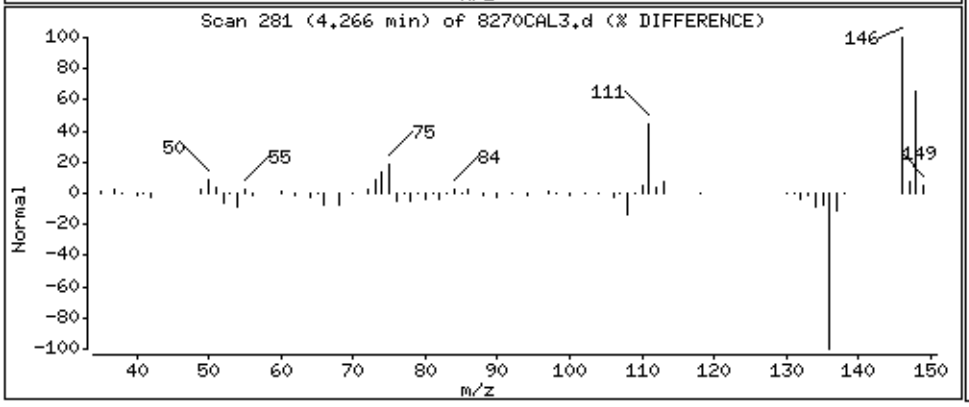












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

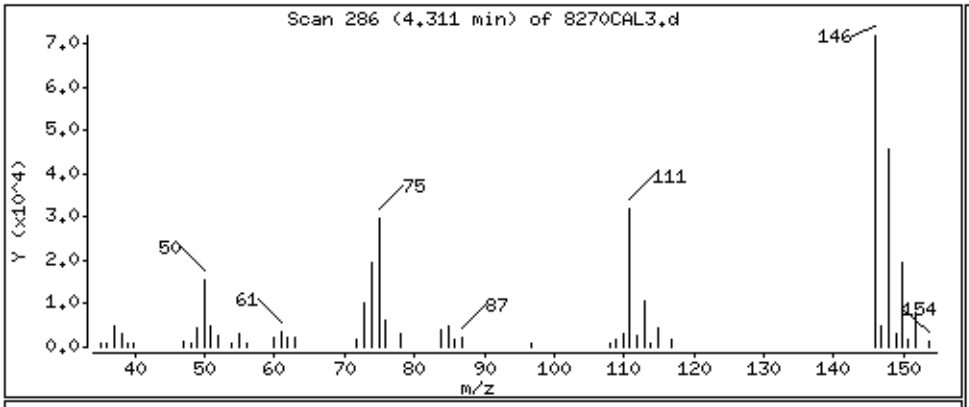
Operator: MJ

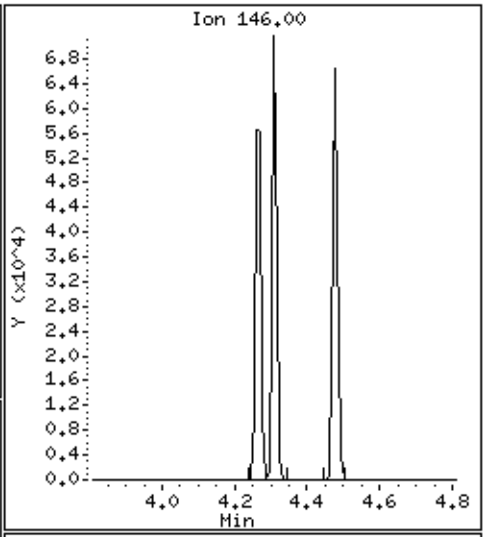
Column phase: HPMS-5

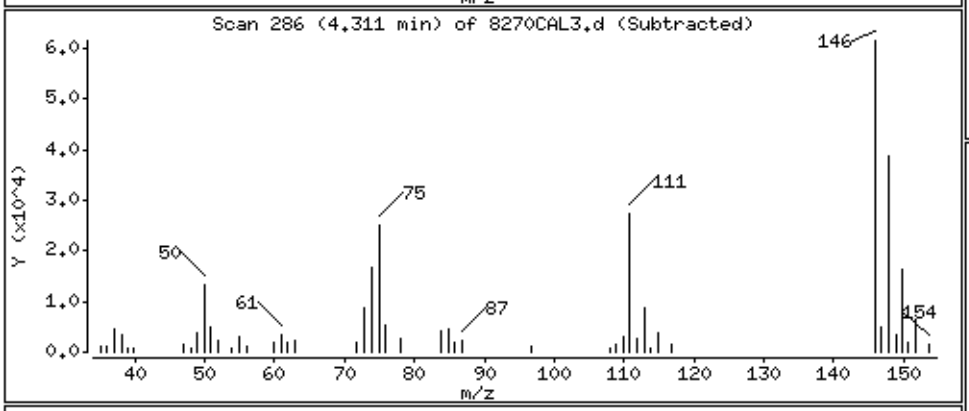
Column diameter: 0.25

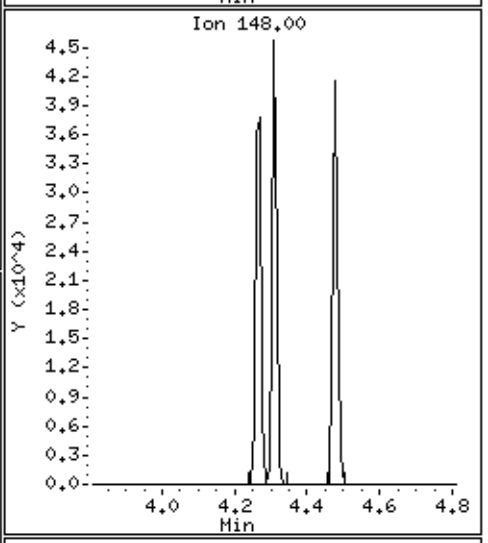
19 1,4-Dichlorobenzene

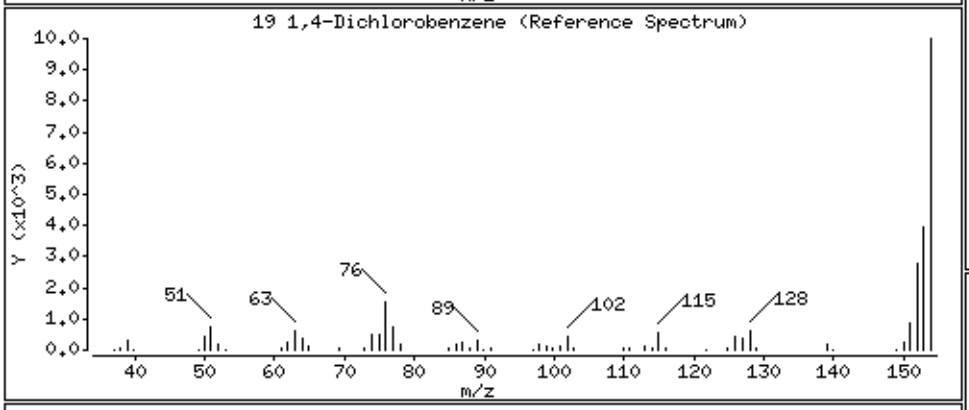
Concentration: 19.1 ug/kg

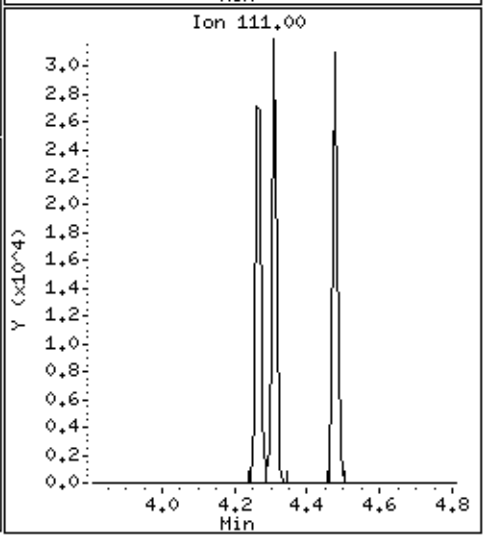


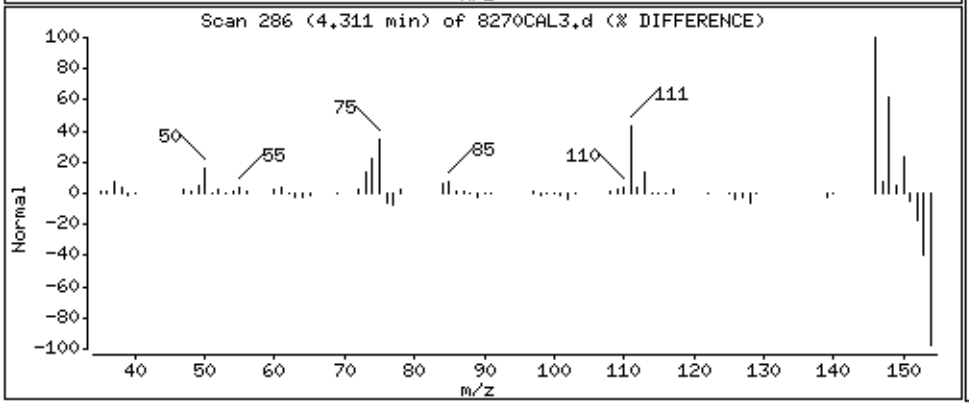












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

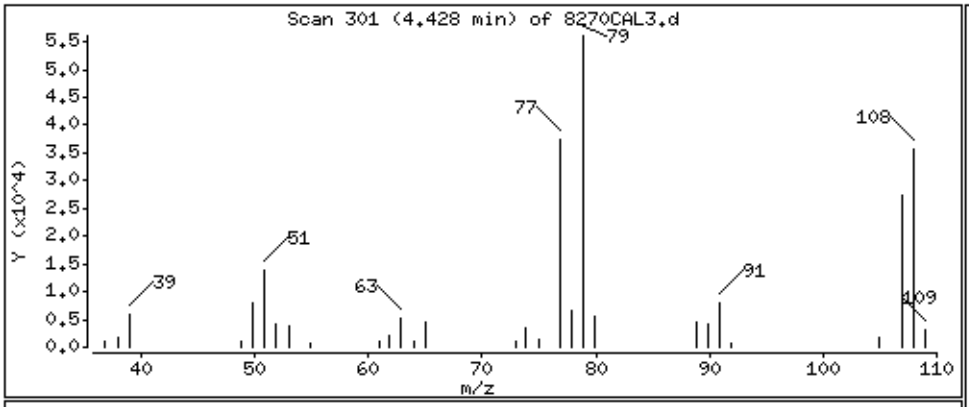
Operator: MJ

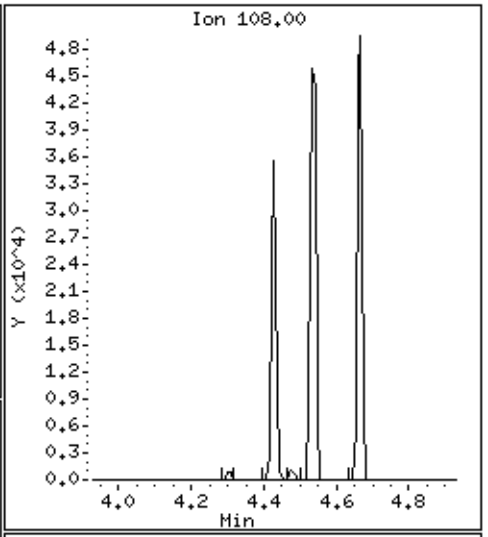
Column phase: HPMS-5

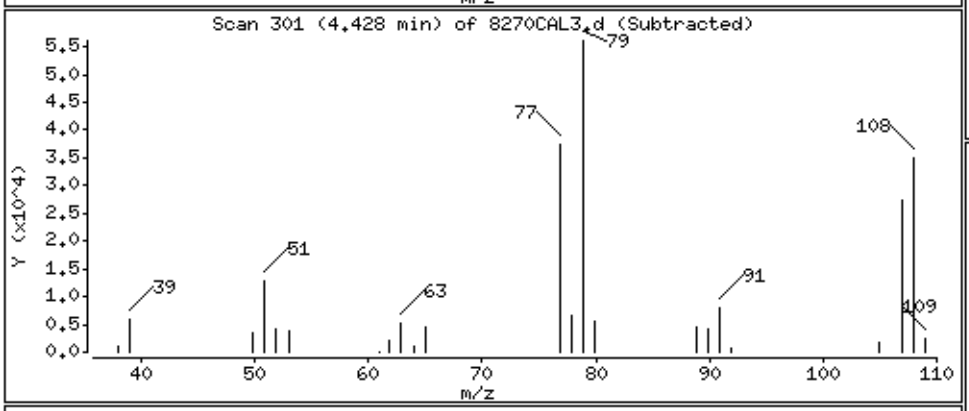
Column diameter: 0.25

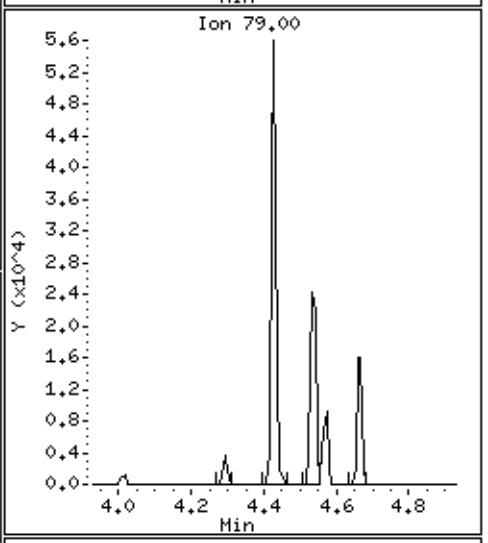
21 Benzyl alcohol

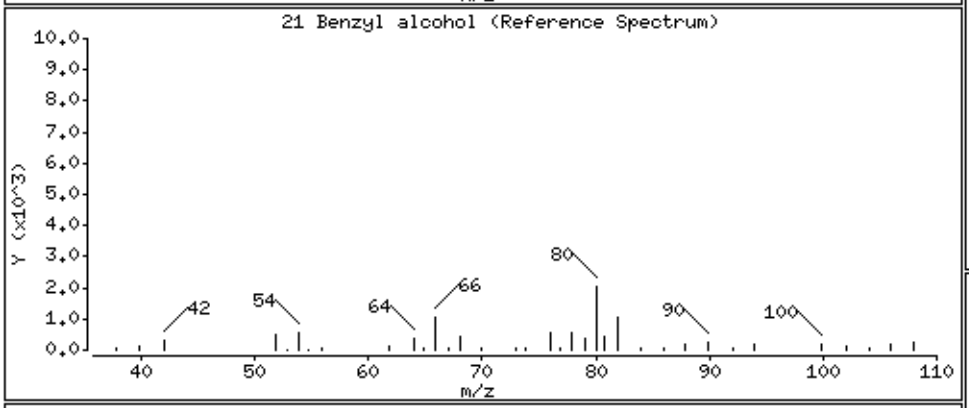
Concentration: 18.6 ug/kg

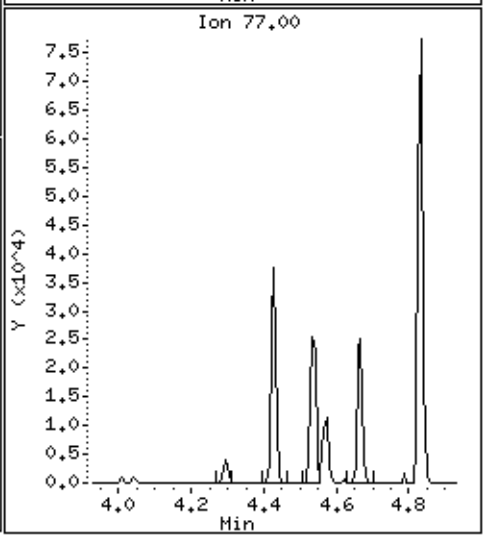


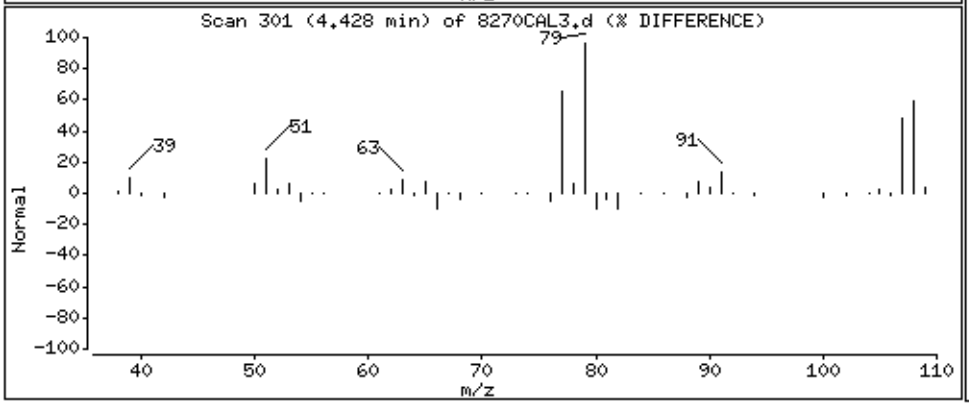












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

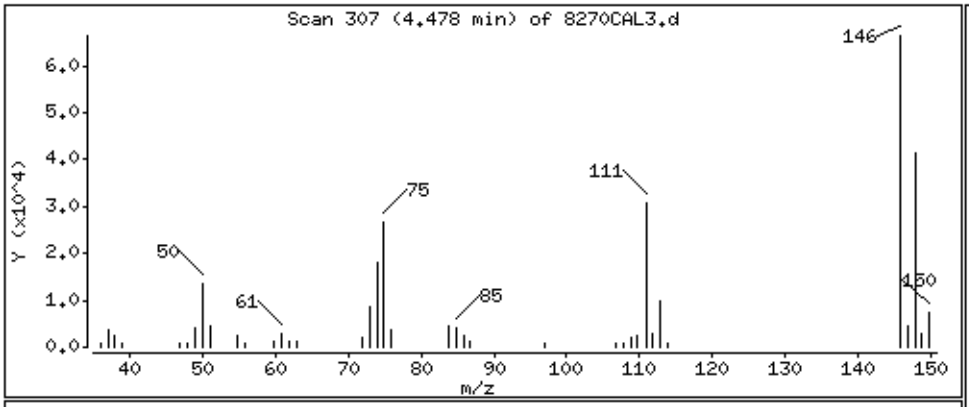
Operator: MJ

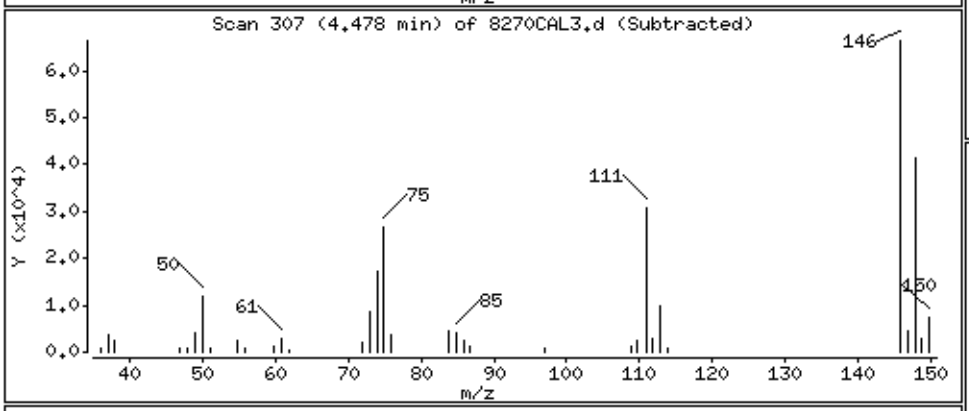
Column phase: HPMS-5

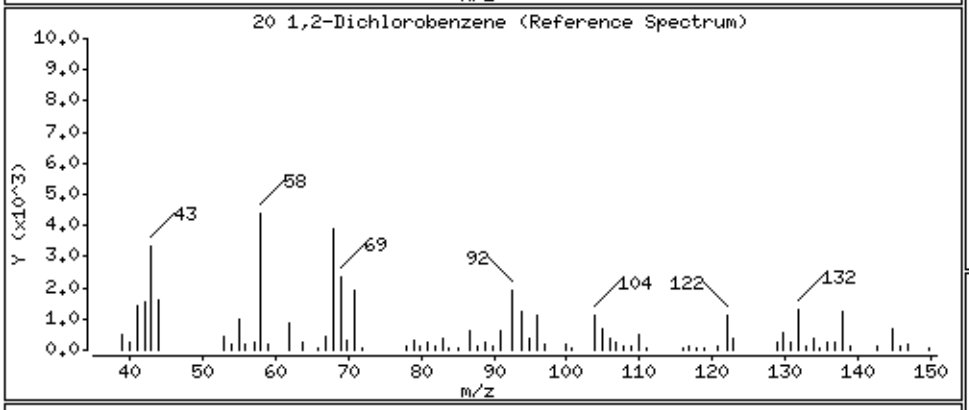
Column diameter: 0.25

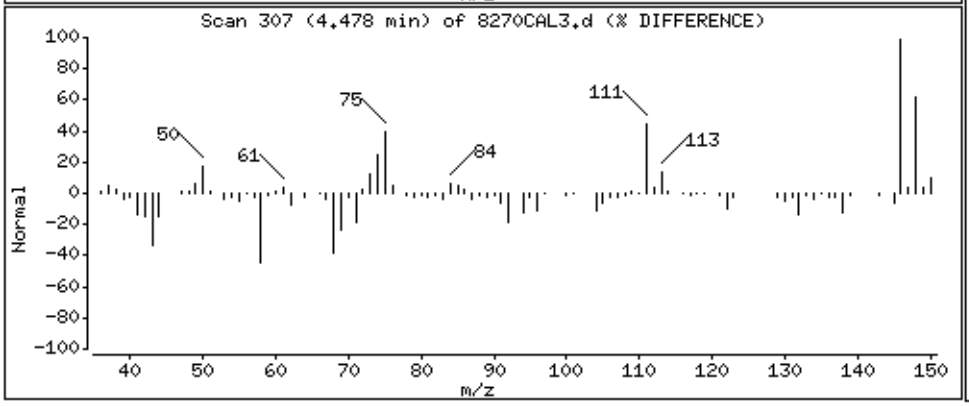
20 1,2-Dichlorobenzene

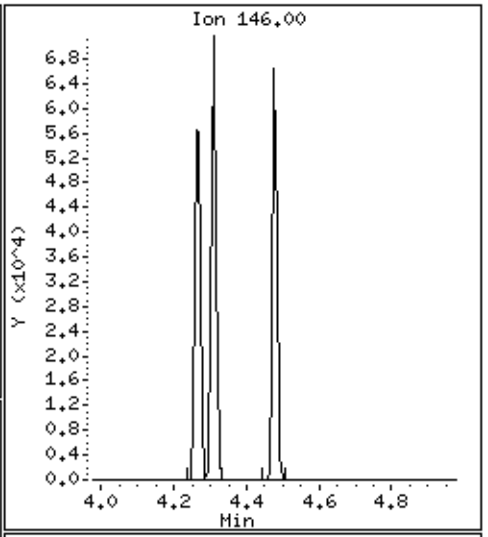
Concentration: 19.6 ug/kg

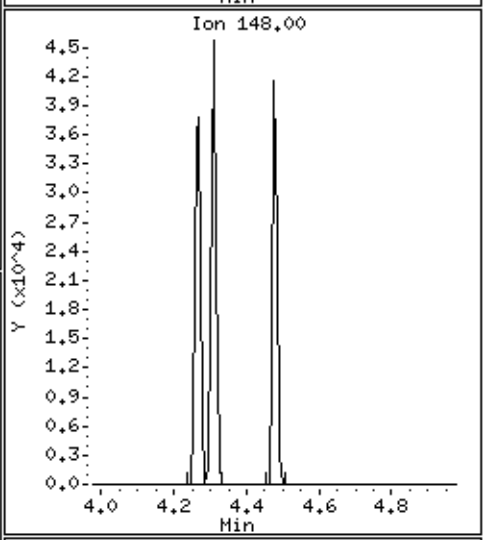


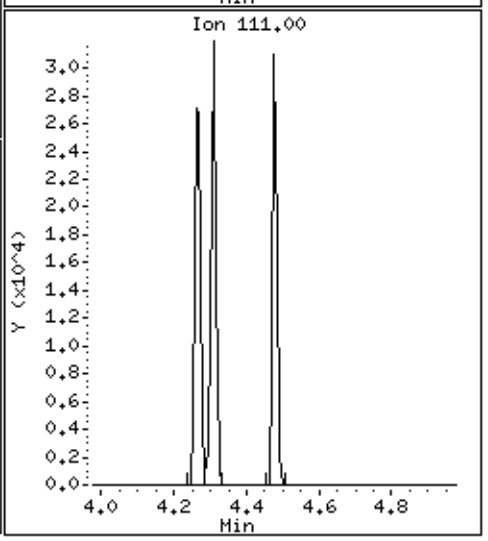












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

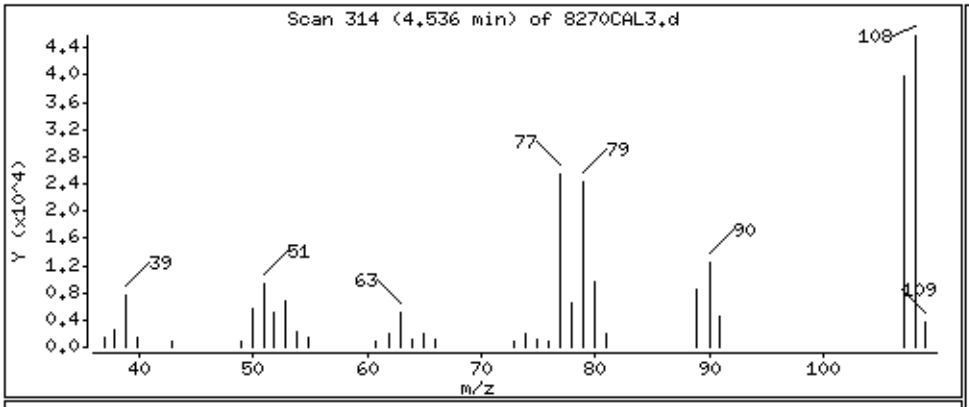
Operator: MJ

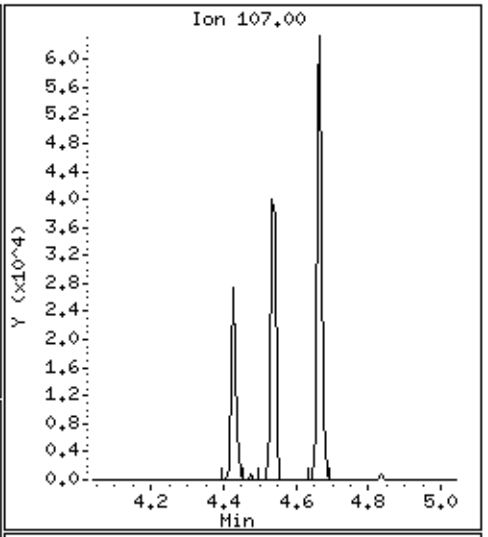
Column phase: HPMS-5

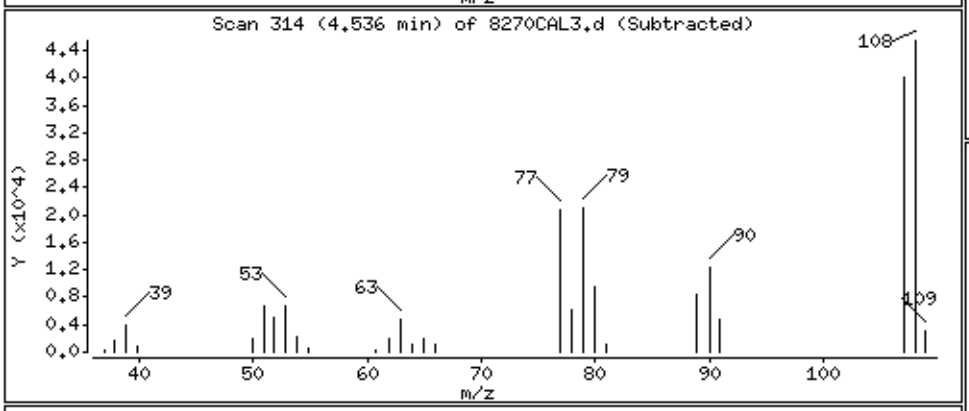
Column diameter: 0.25

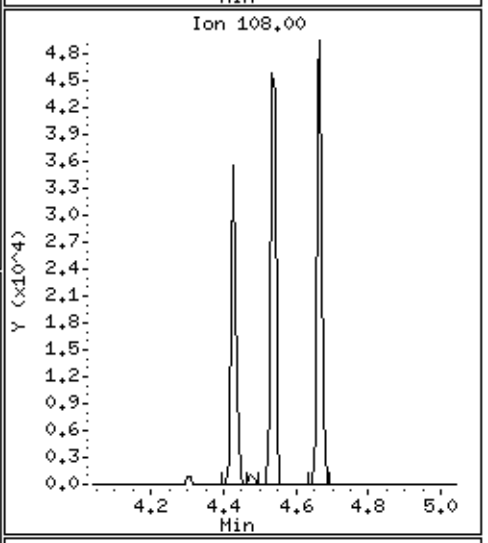
22 2-Methylphenol

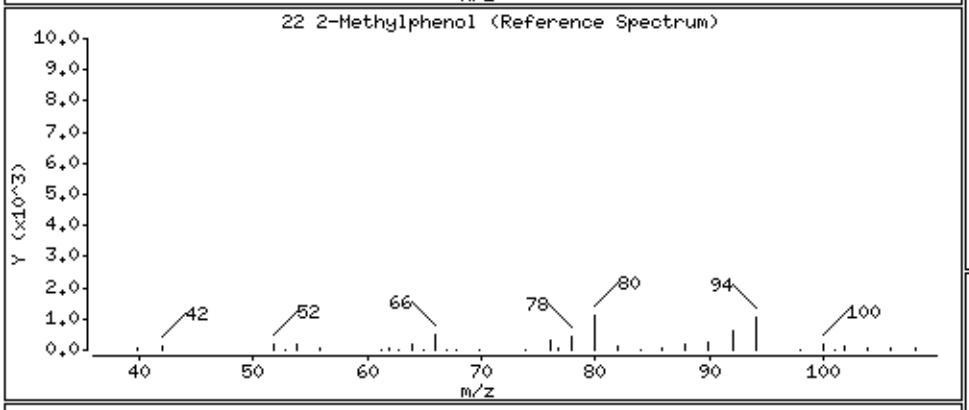
Concentration: 19.2 ug/kg

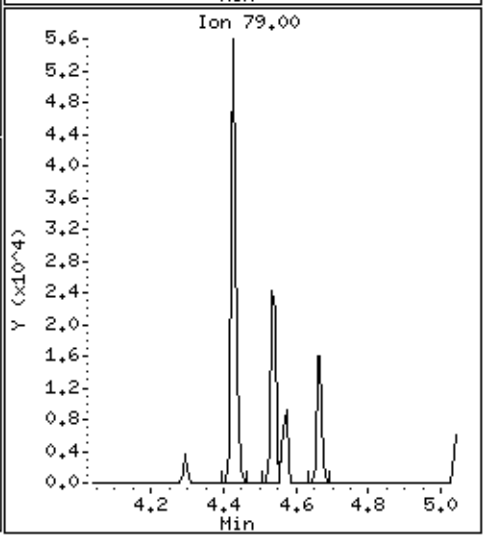


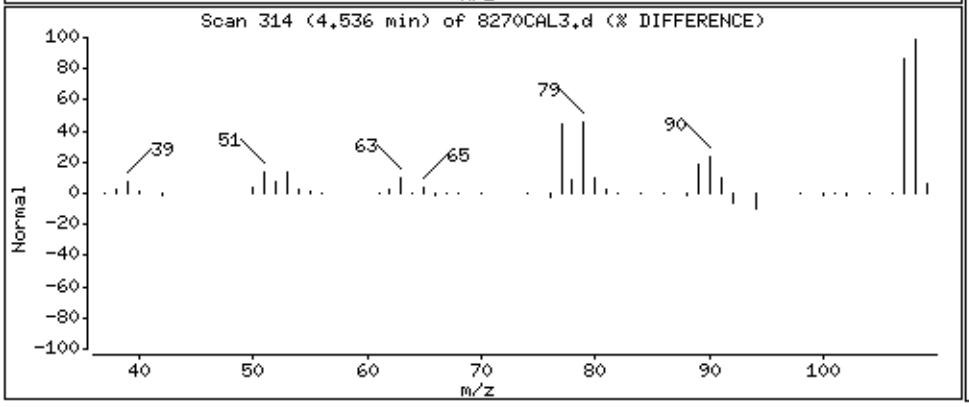












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

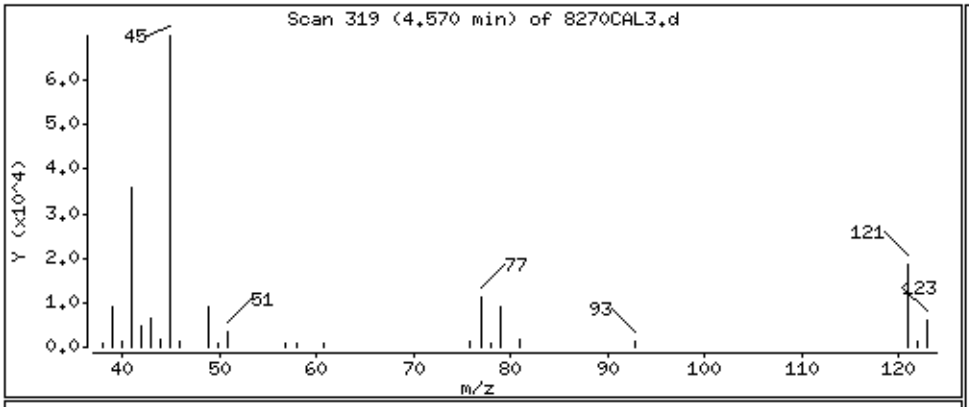
Operator: MJ

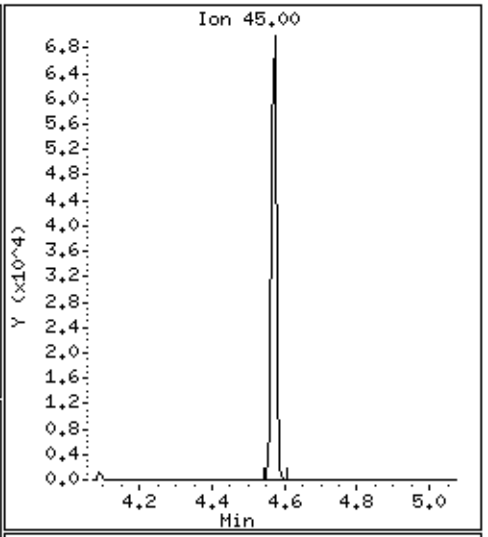
Column phase: HPMS-5

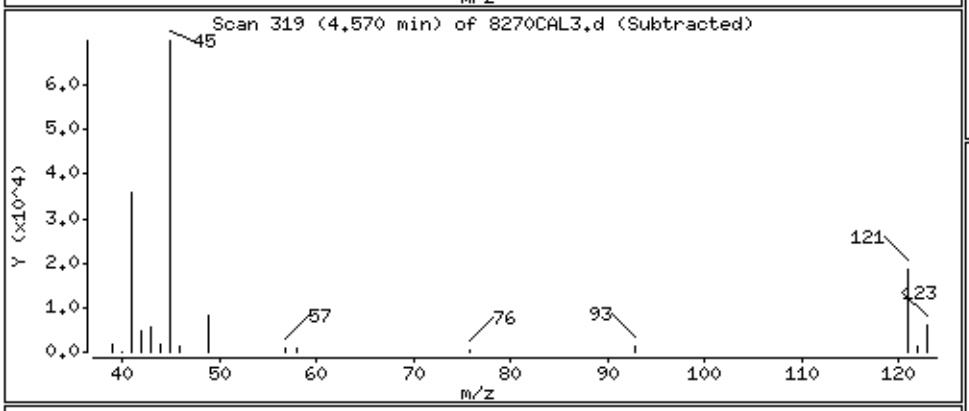
Column diameter: 0.25

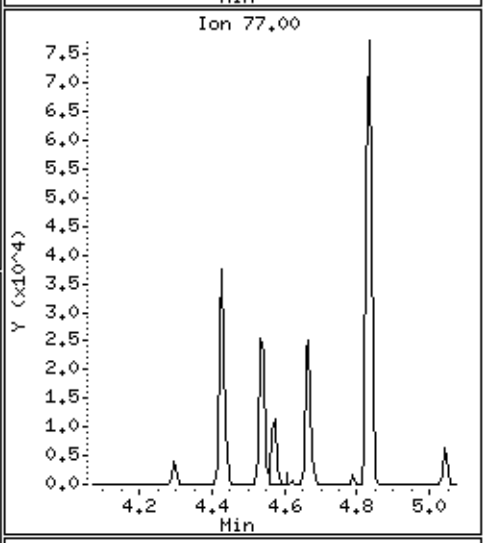
23 2,2'-oxybis(1-chloropropane)

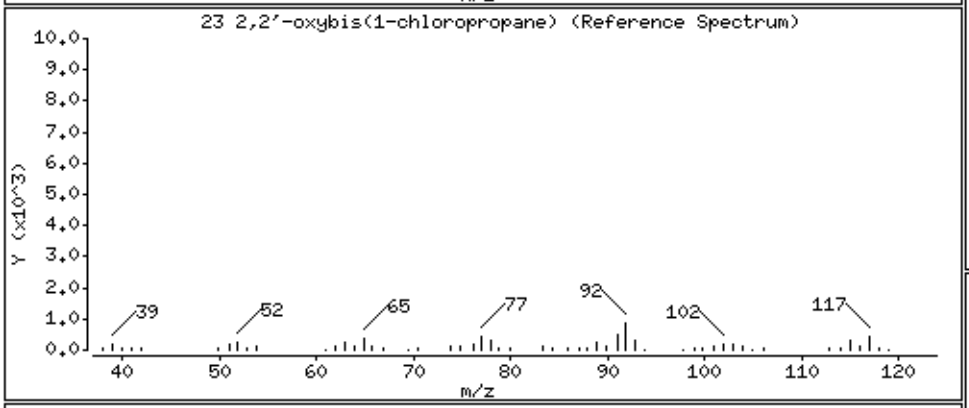
Concentration: 20.2 ug/kg

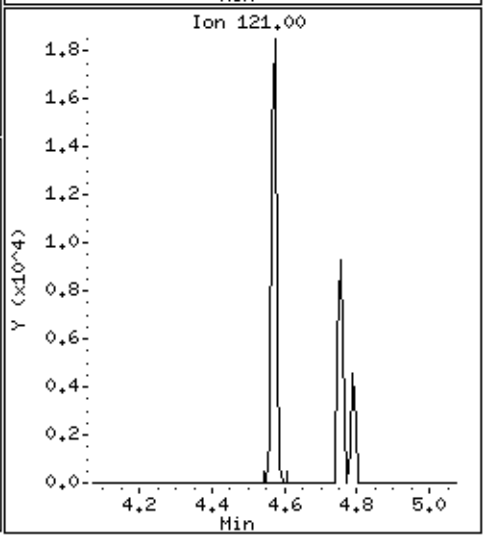


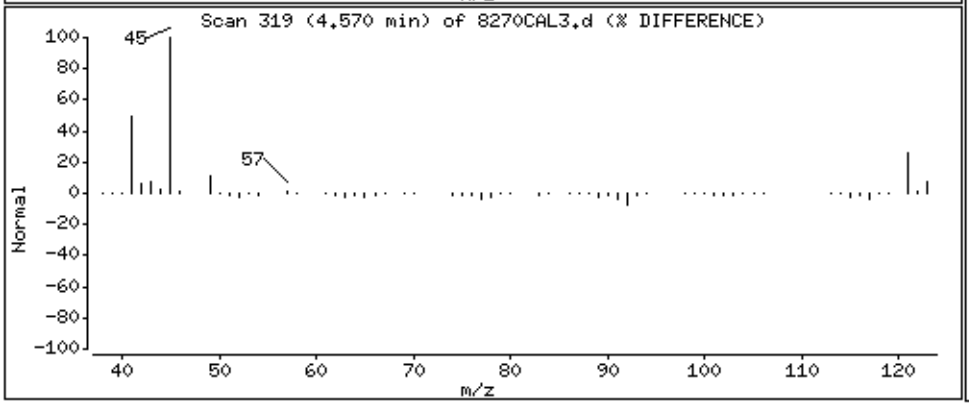












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

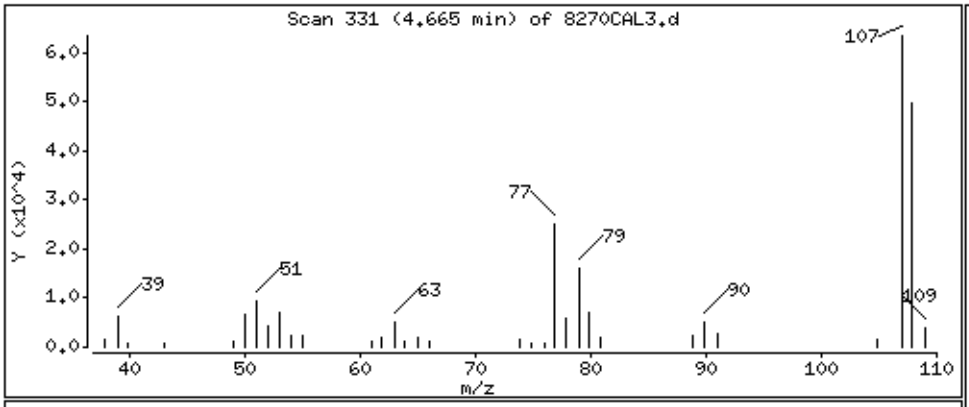
Client ID: 8270CAL3 Instrument: smsd04.i

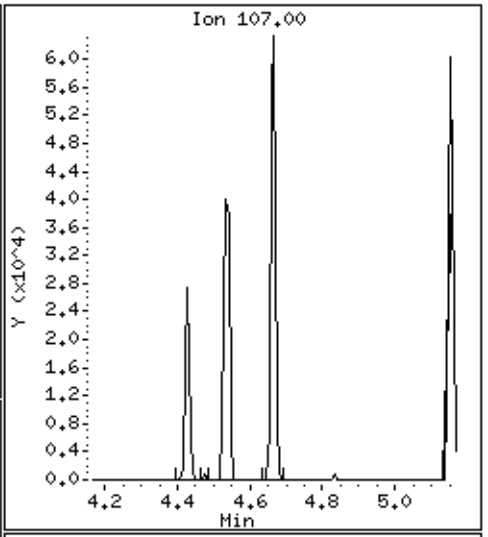
Sample Info: 47767

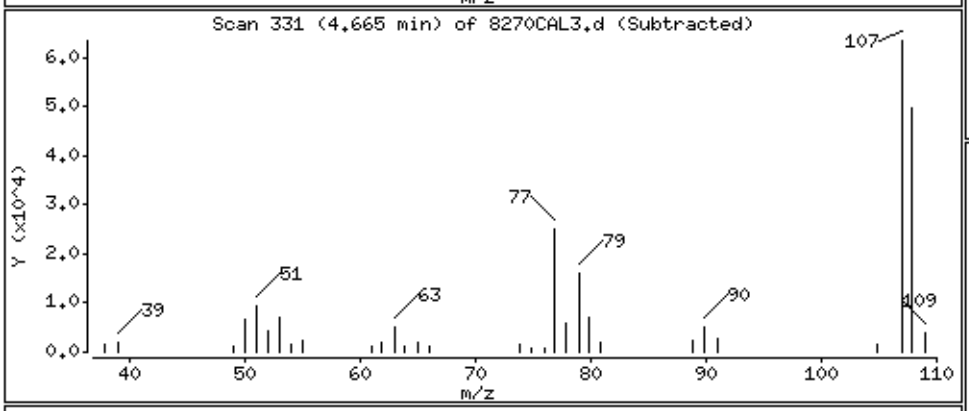
Operator: MJ

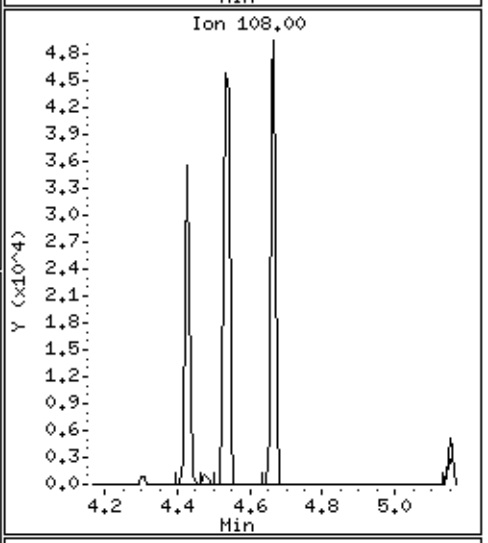
Column phase: HPMS-5 Column diameter: 0.25

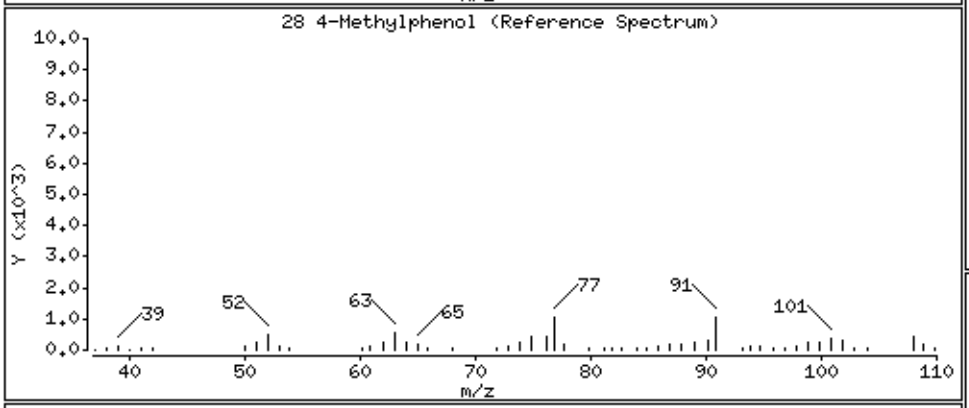
28 4-Methylphenol Concentration: 18.8 ug/kg

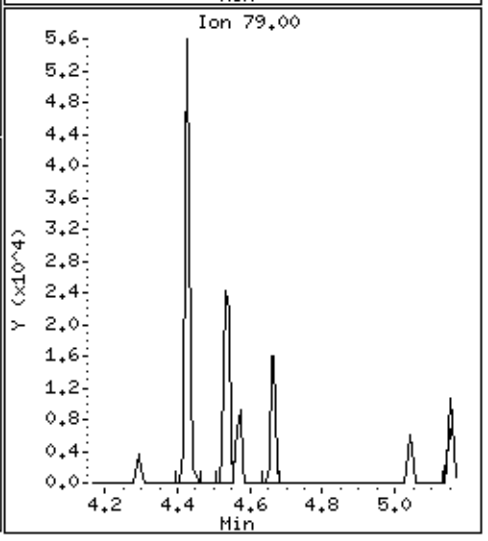


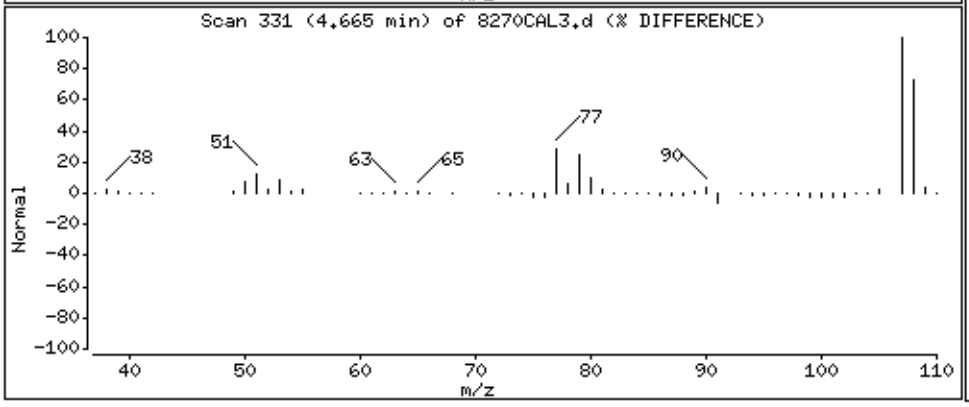












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

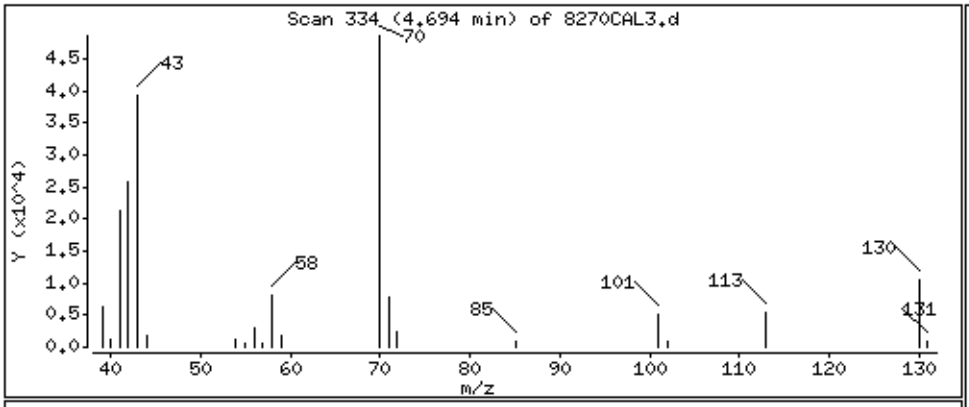
Operator: MJ

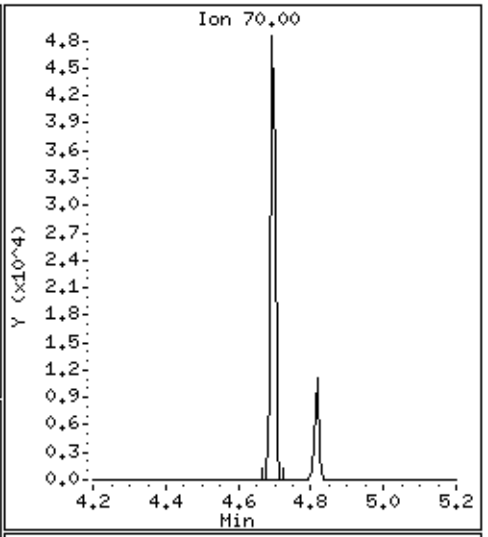
Column phase: HPMS-5

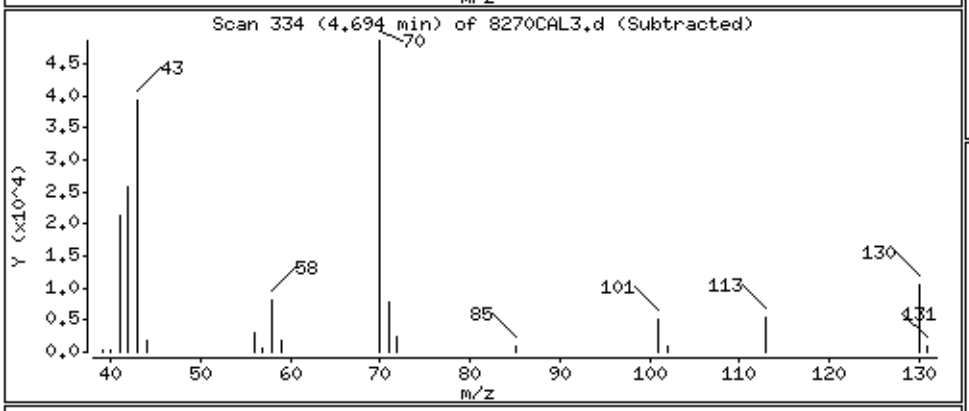
Column diameter: 0.25

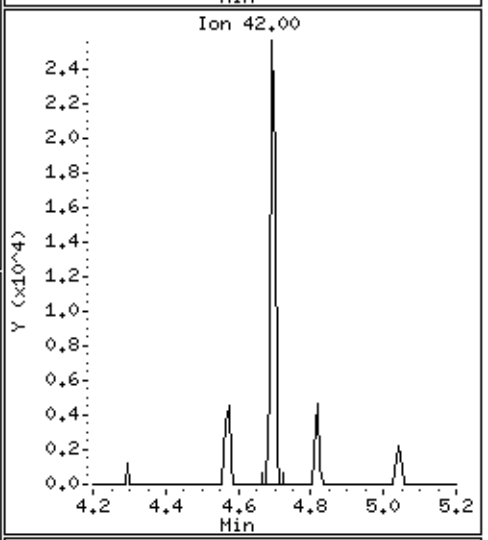
26 N-Nitrosodinpropylamine

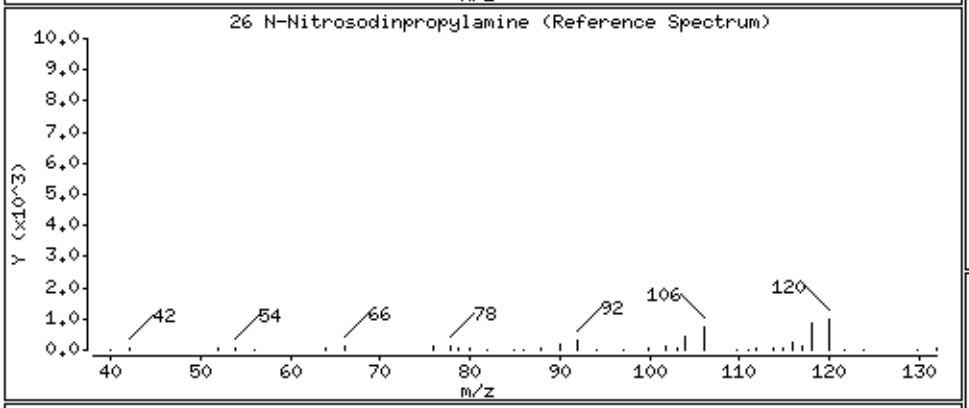
Concentration: 19.0 ug/kg

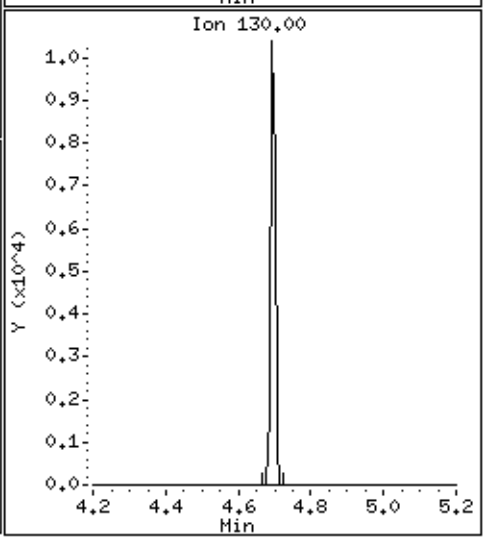


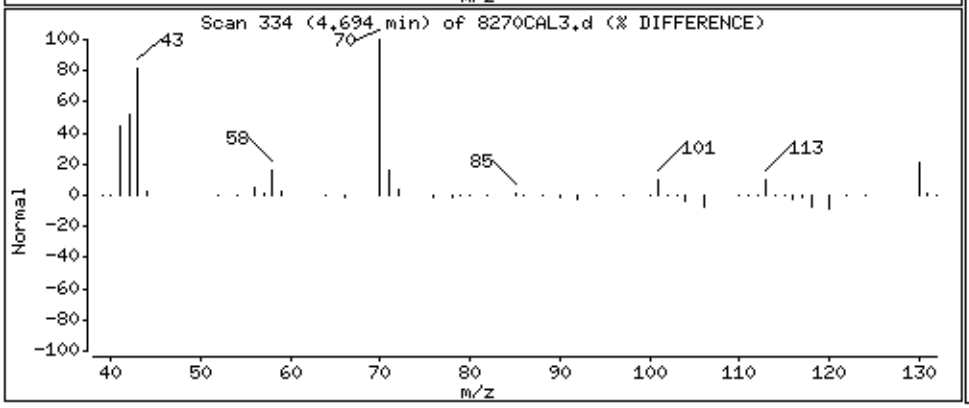












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

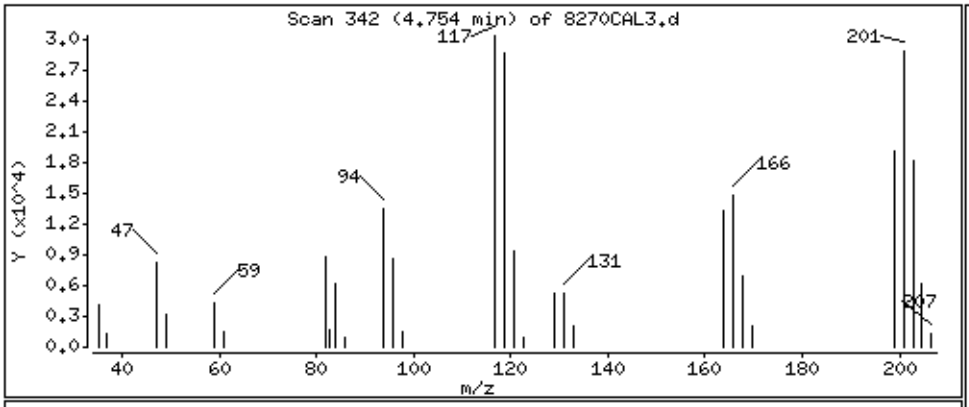
Operator: MJ

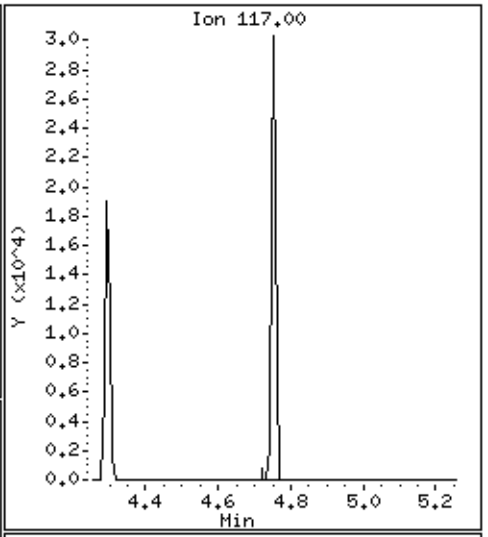
Column phase: HPMS-5

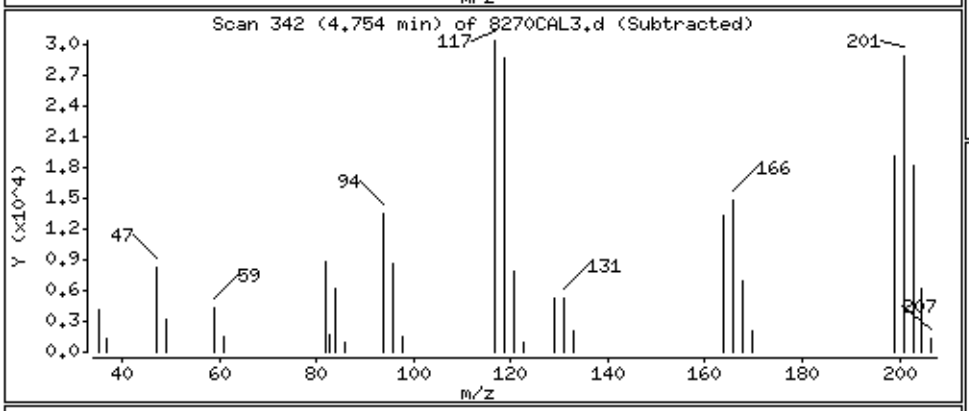
Column diameter: 0.25

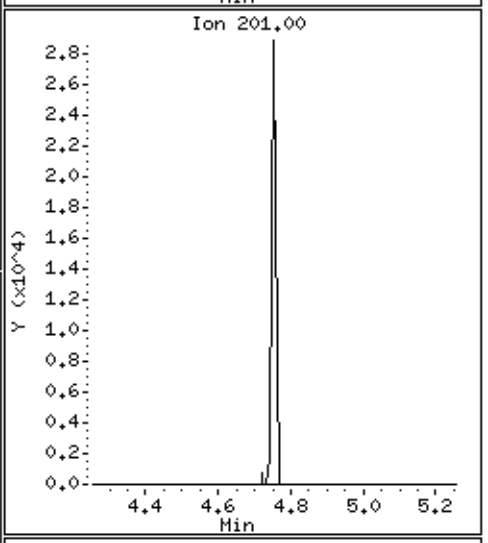
30 Hexachloroethane

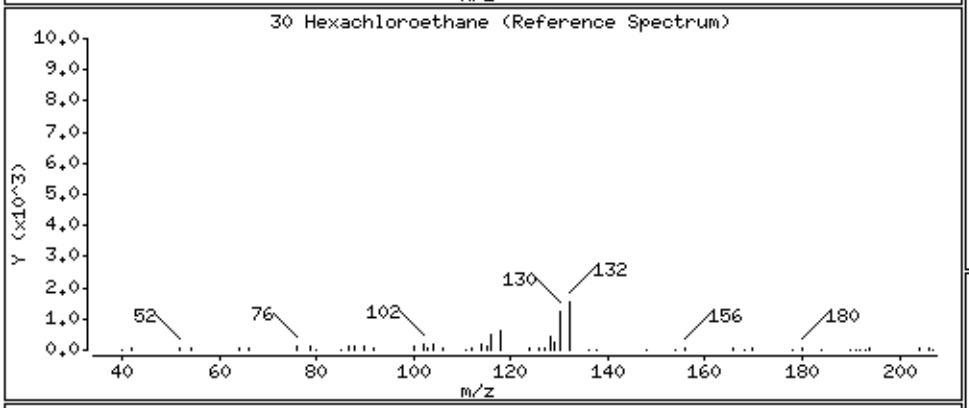
Concentration: 19.3 ug/kg

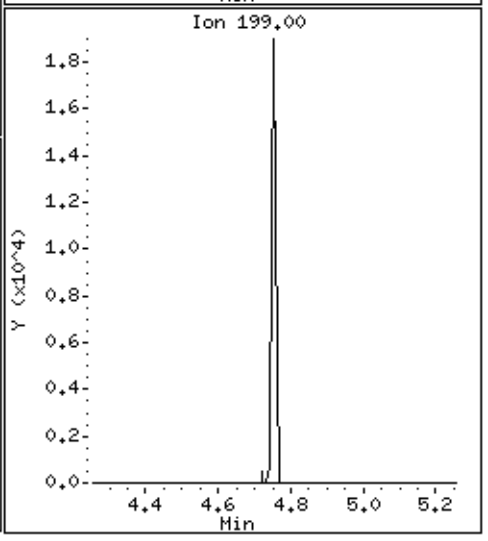


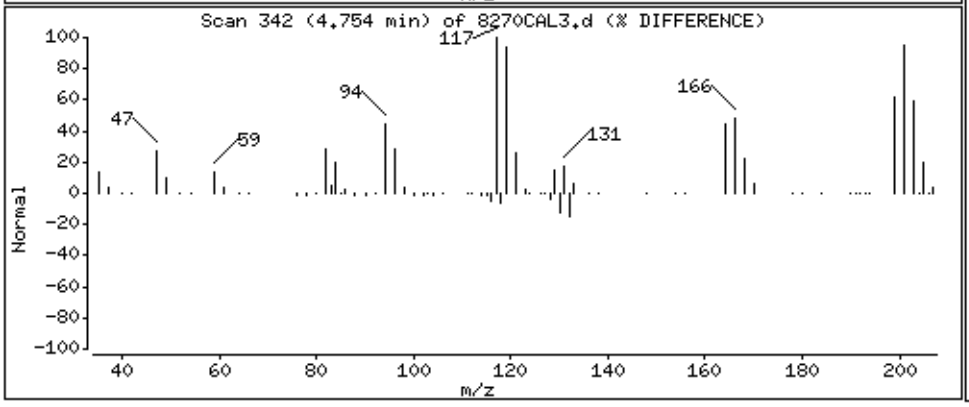












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

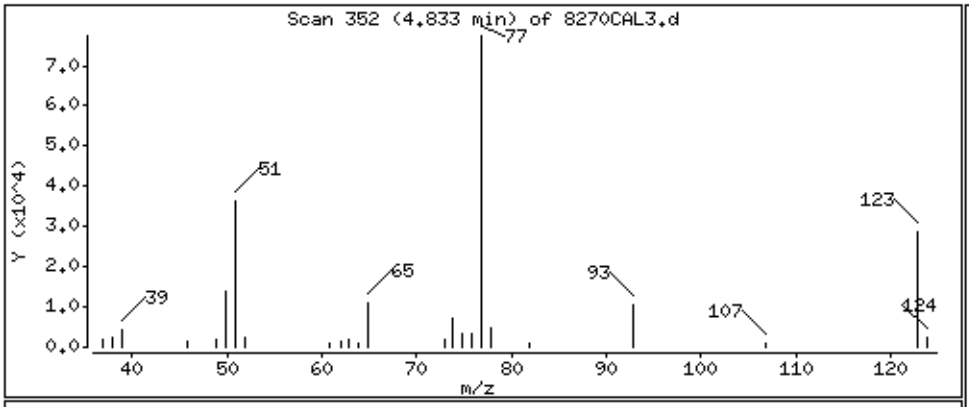
Operator: MJ

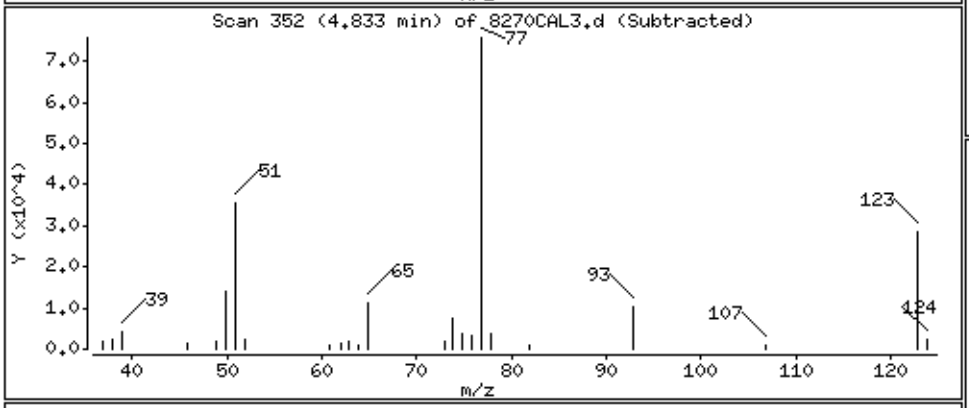
Column phase: HPMS-5

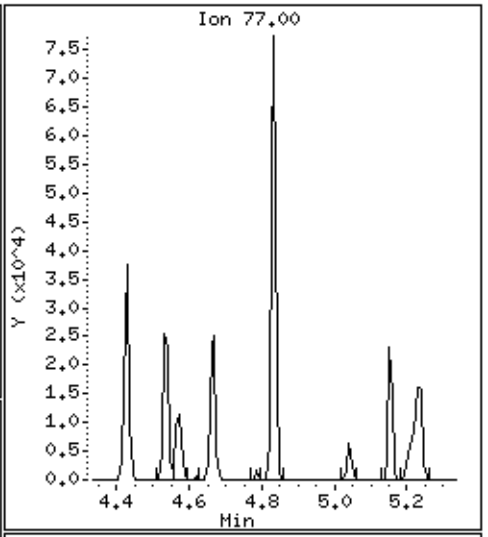
Column diameter: 0.25

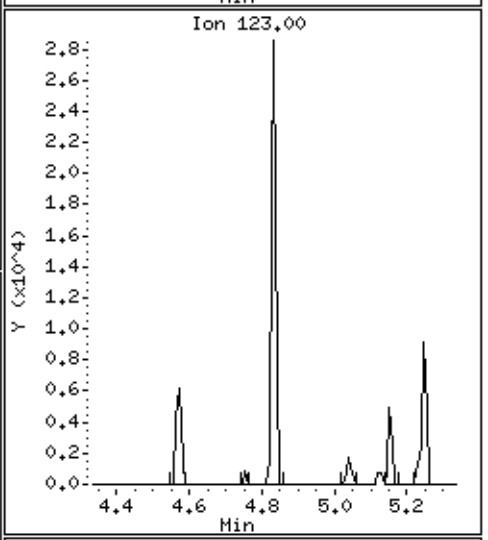
32 Nitrobenzene

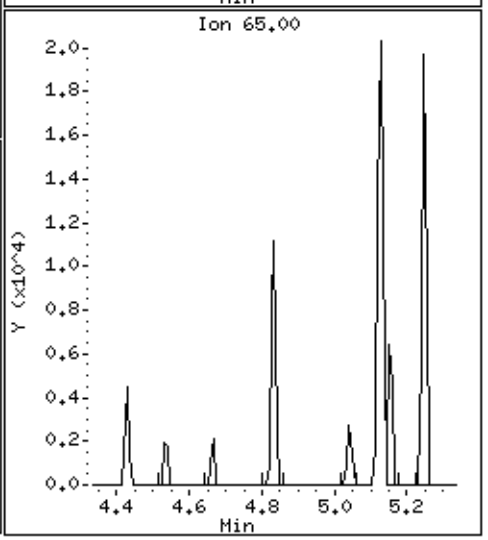
Concentration: 20.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

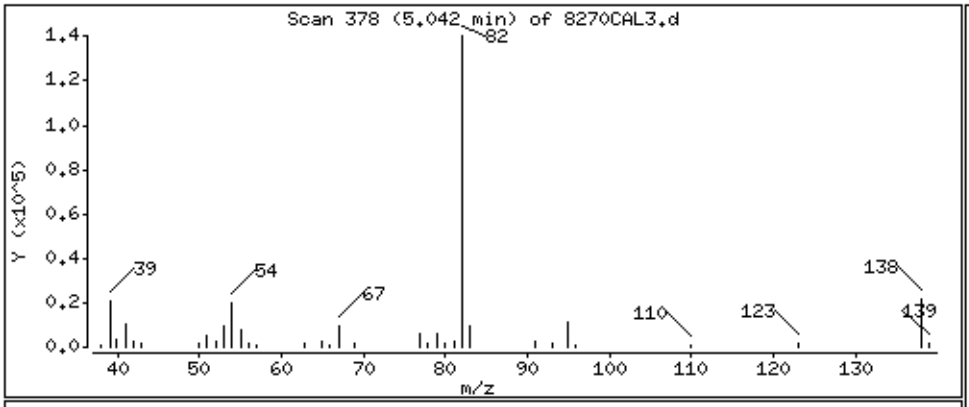
Operator: MJ

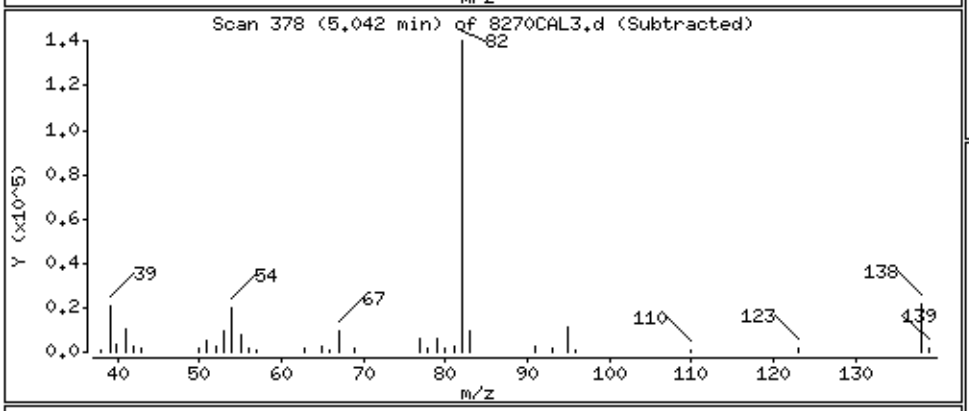
Column phase: HPMS-5

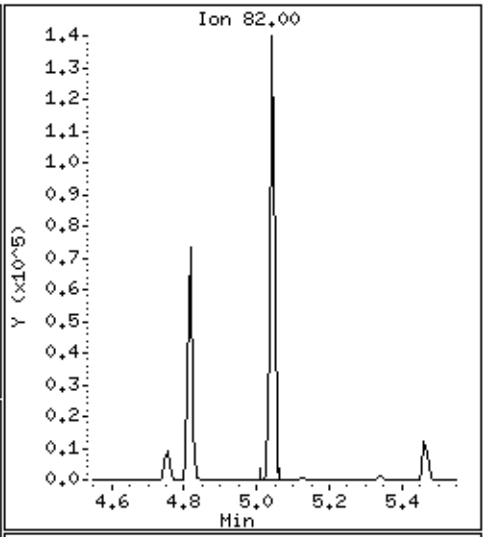
Column diameter: 0.25

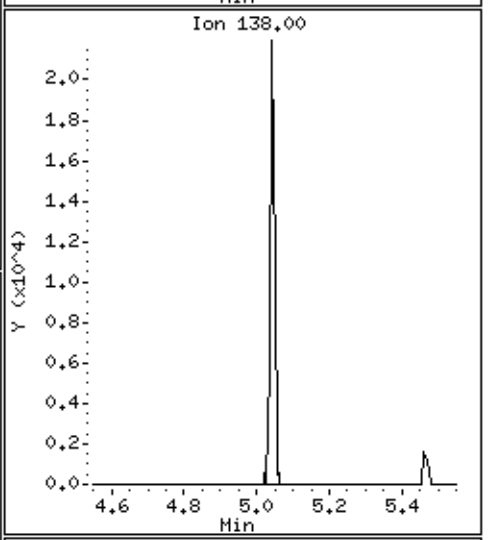
34 Isophorone

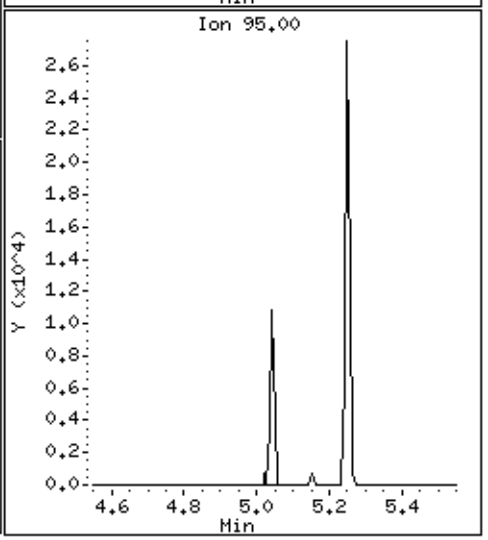
Concentration: 19.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

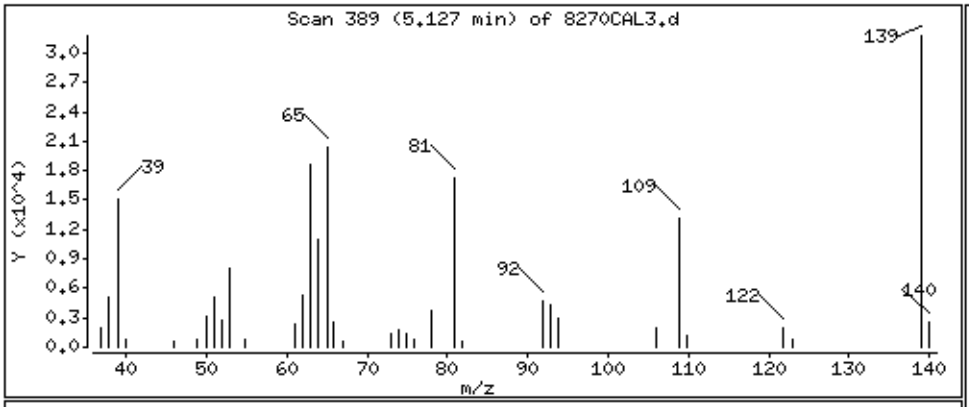
Operator: MJ

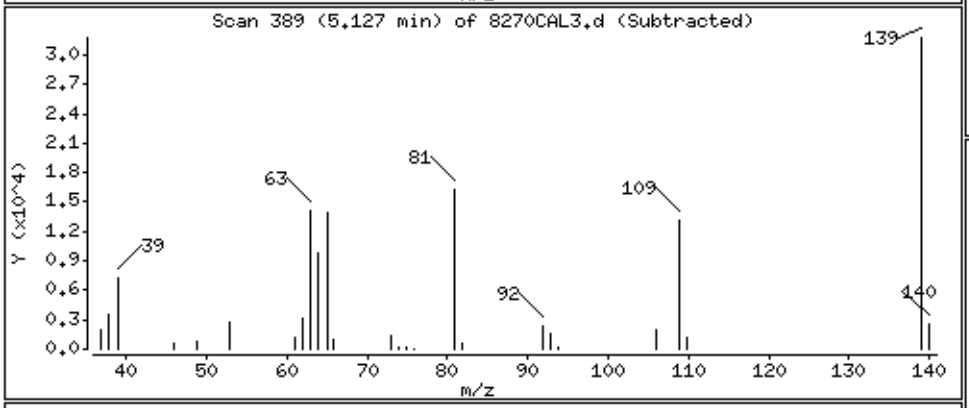
Column phase: HPMS-5

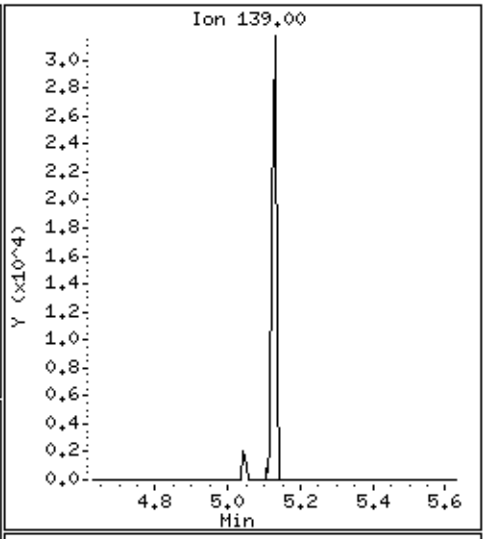
Column diameter: 0.25

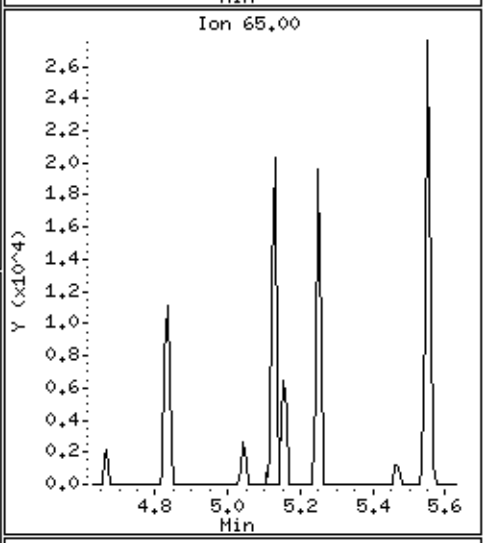
35 2-Nitrophenol

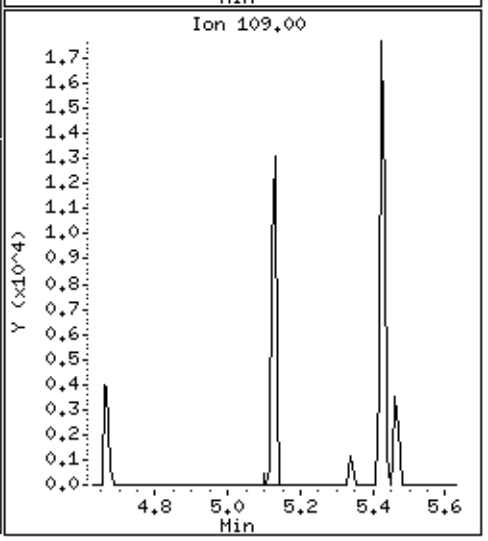
Concentration: 18.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

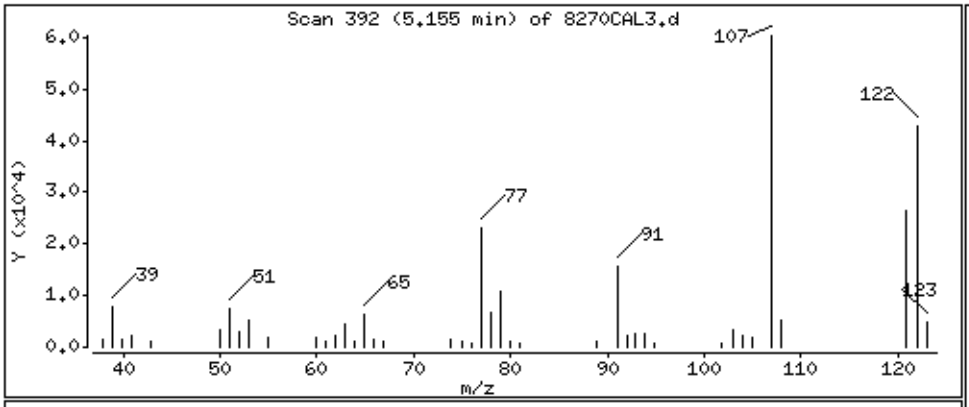
Operator: MJ

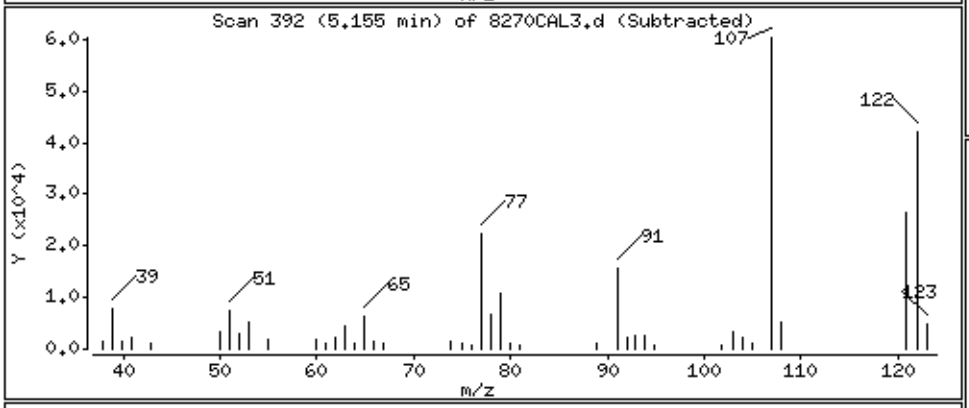
Column phase: HPMS-5

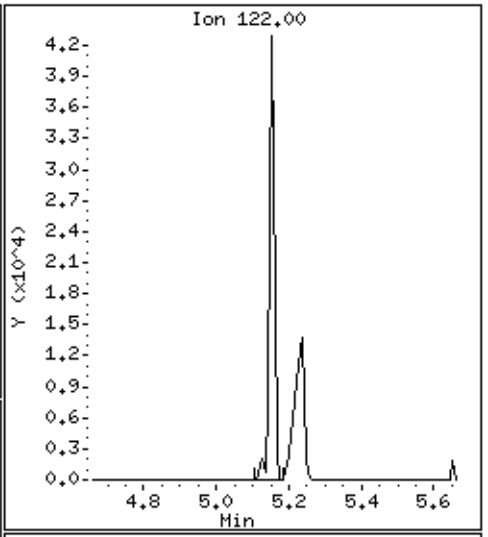
Column diameter: 0.25

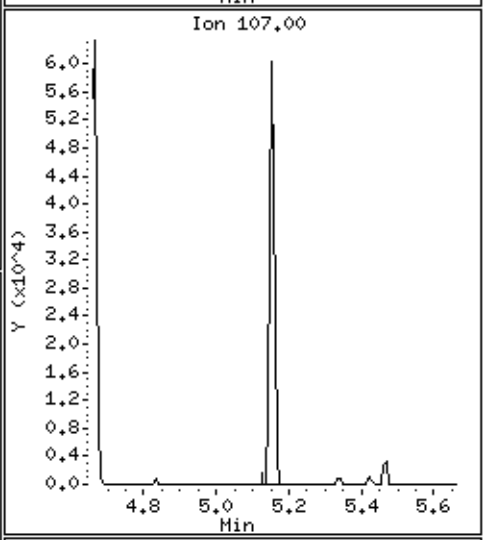
36 2,4-Dimethylphenol

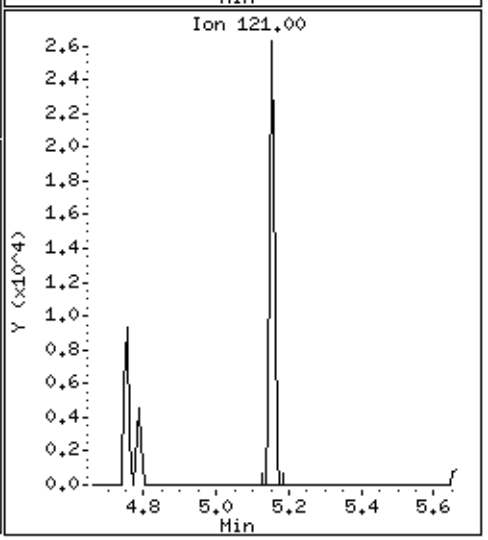
Concentration: 18.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

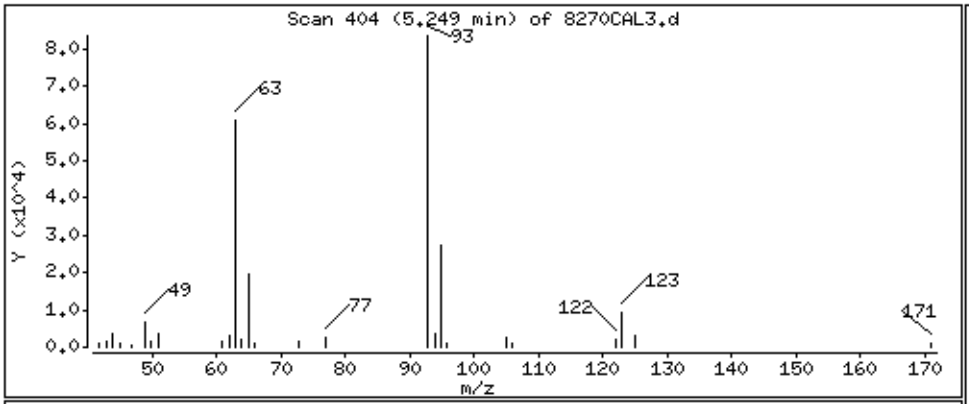
Operator: MJ

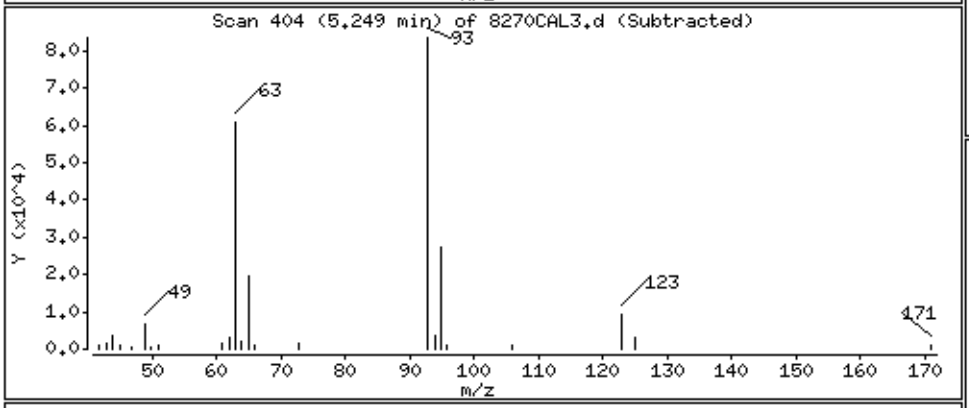
Column phase: HPMS-5

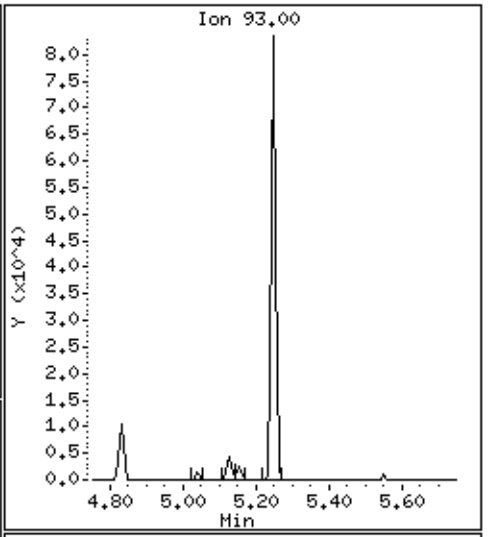
Column diameter: 0.25

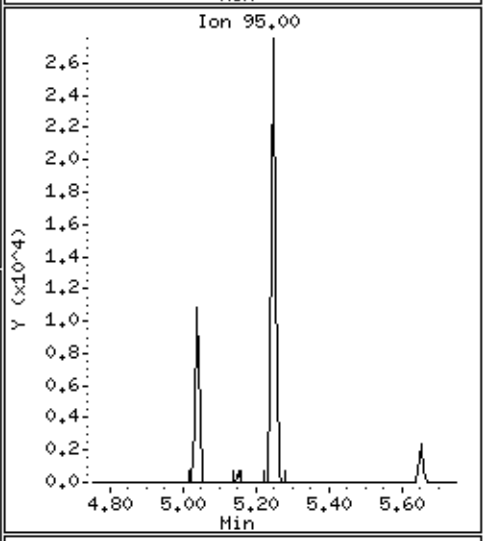
38 Bis(2-Chloroethoxy)methane

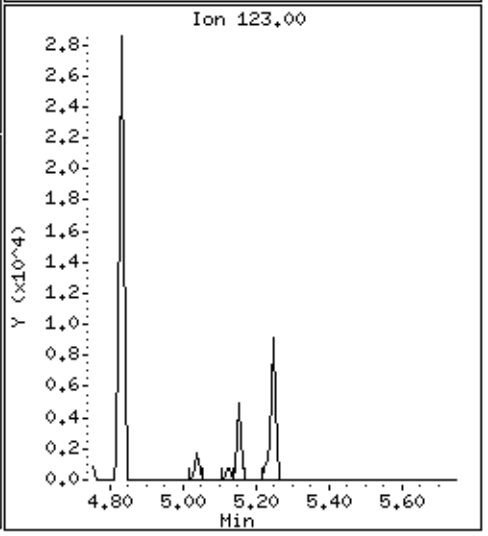
Concentration: 19.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

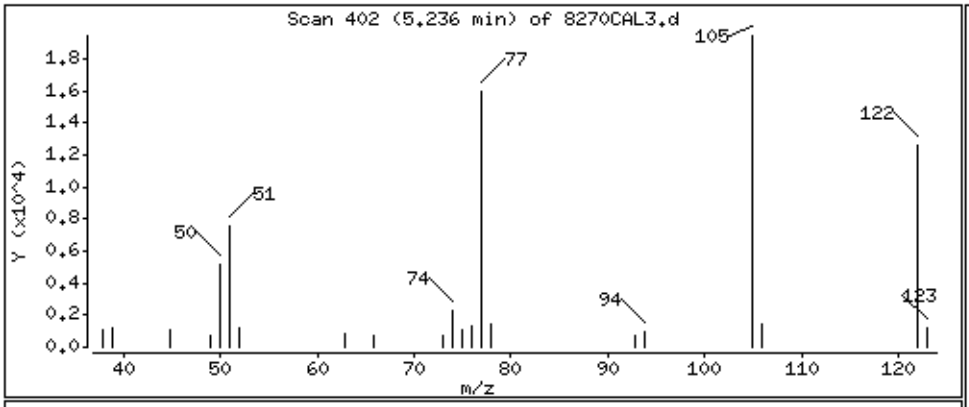
Operator: MJ

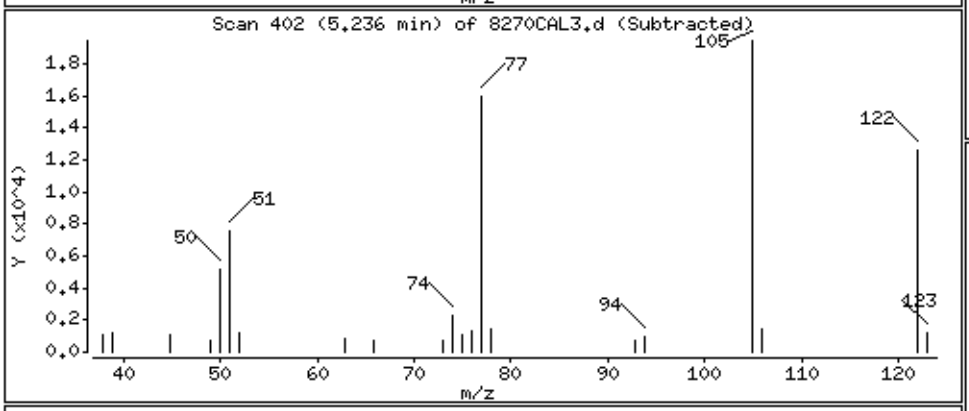
Column phase: HPMS-5

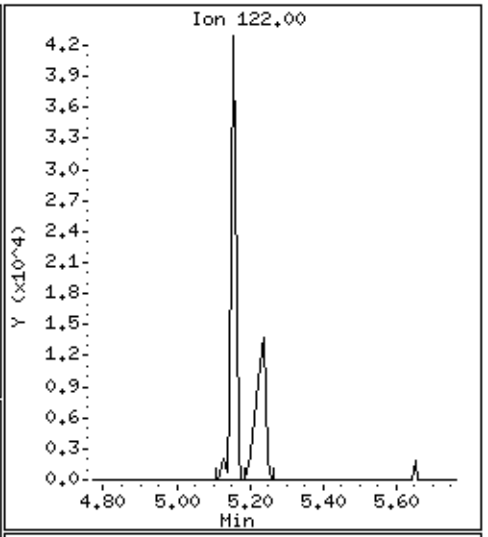
Column diameter: 0.25

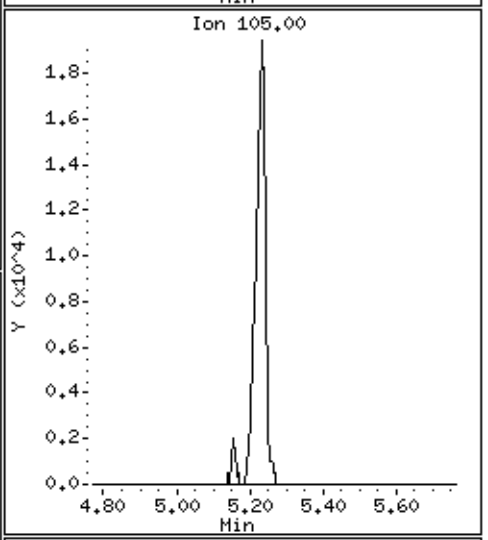
40 Benzoic Acid

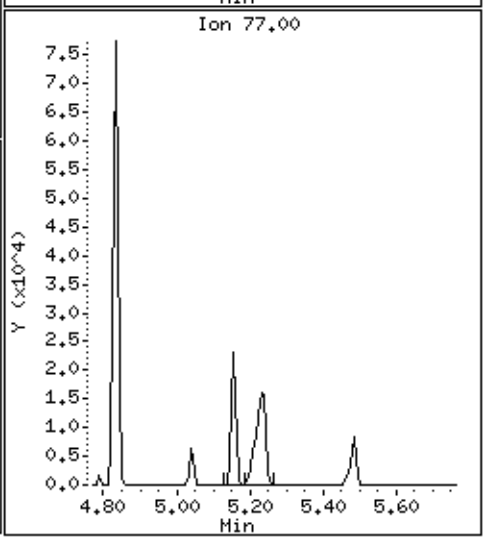
Concentration: 21.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

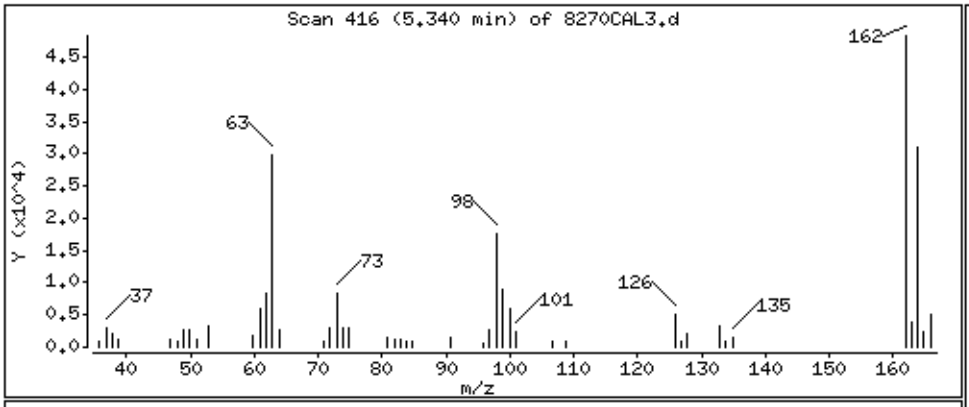
Operator: MJ

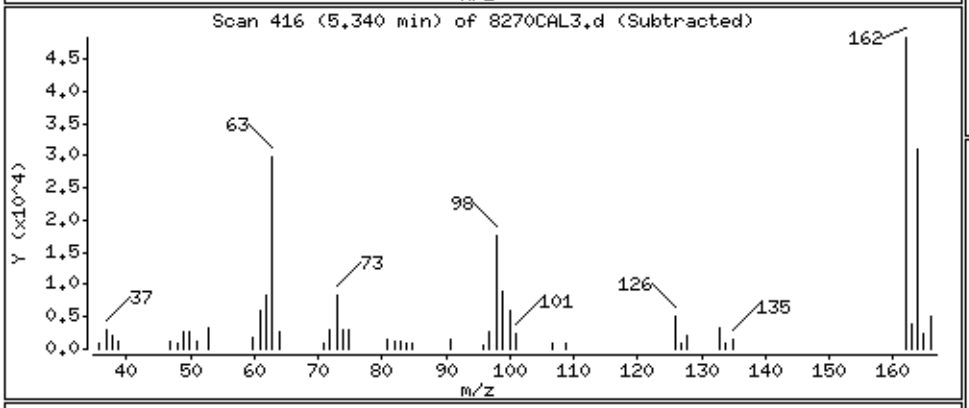
Column phase: HPMS-5

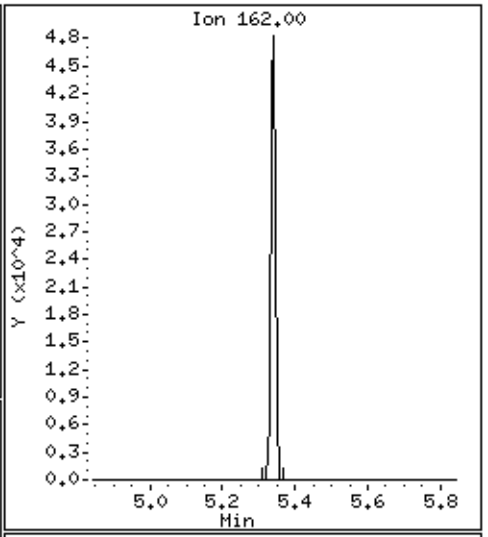
Column diameter: 0.25

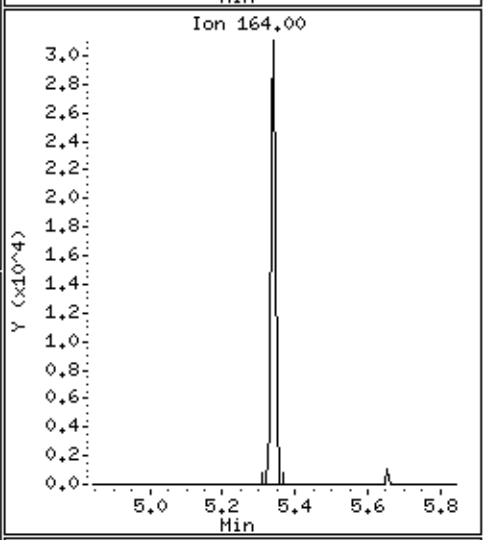
41 2,4-Dichlorophenol

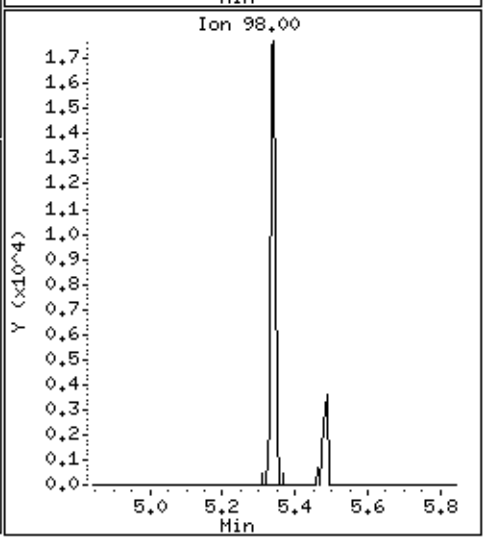
Concentration: 18.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

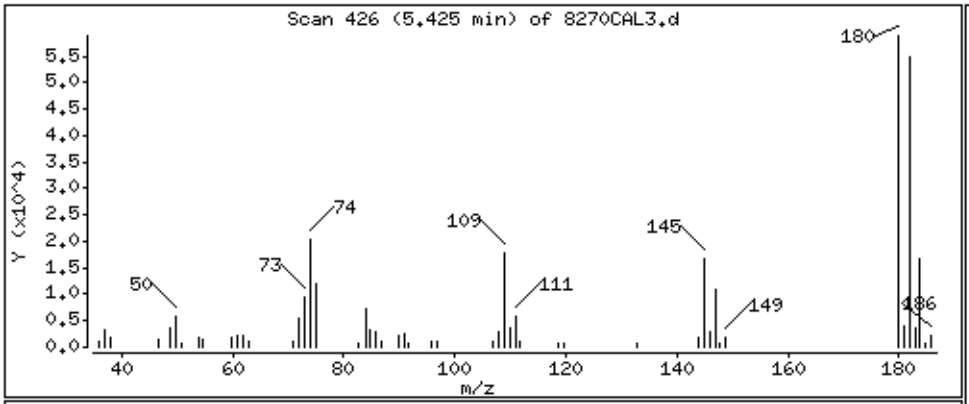
Operator: MJ

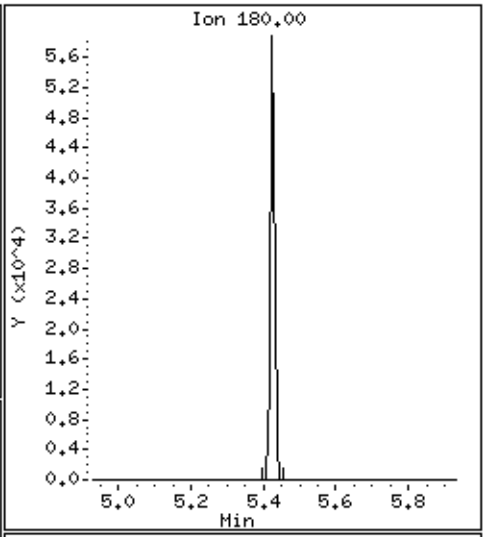
Column phase: HPMS-5

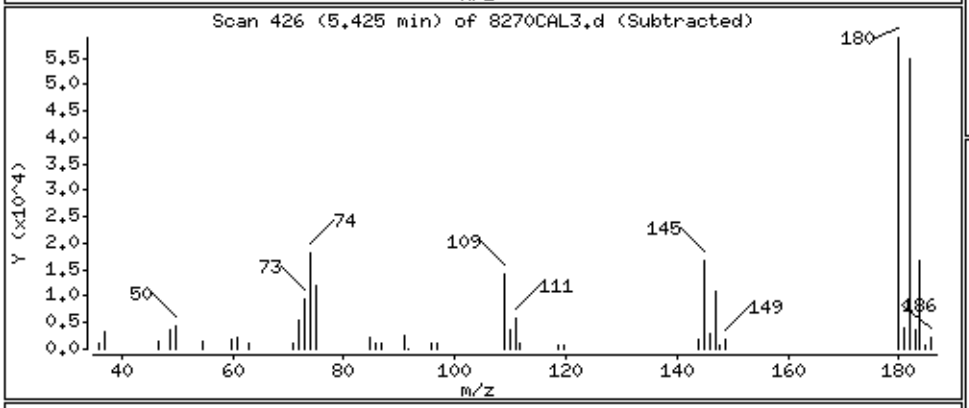
Column diameter: 0.25

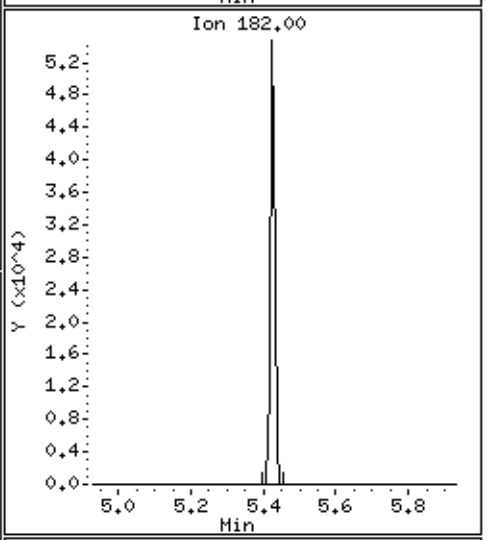
42 1,2,4-Trichlorobenzene

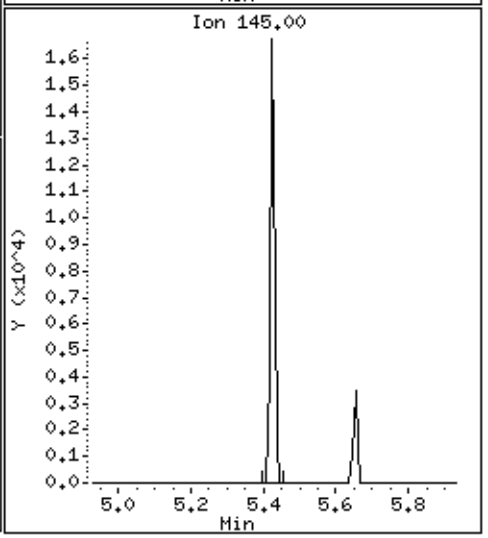
Concentration: 19.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

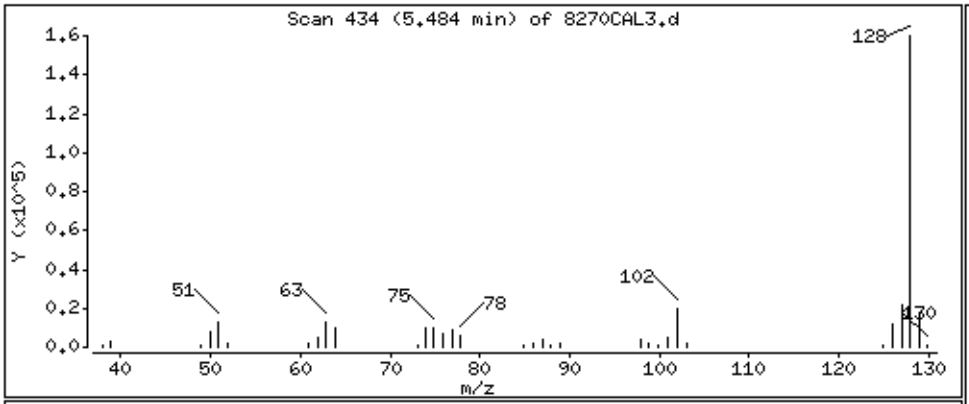
Operator: MJ

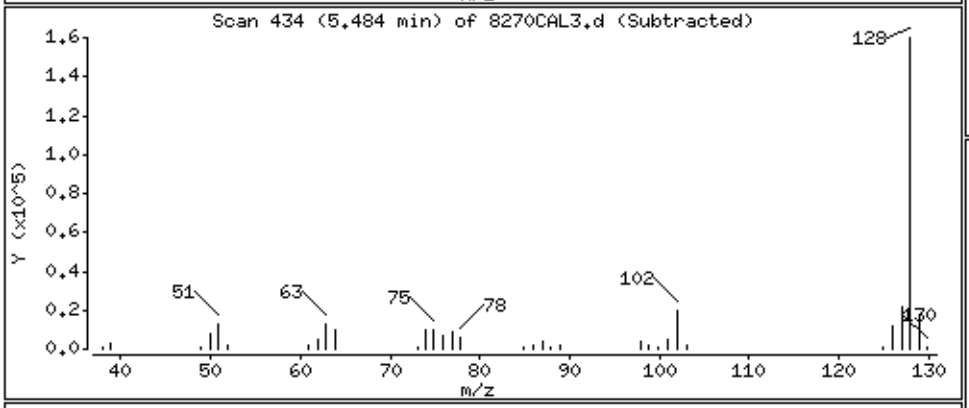
Column phase: HPMS-5

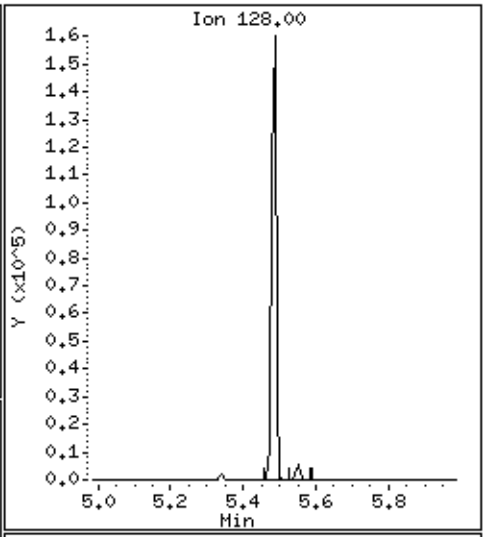
Column diameter: 0.25

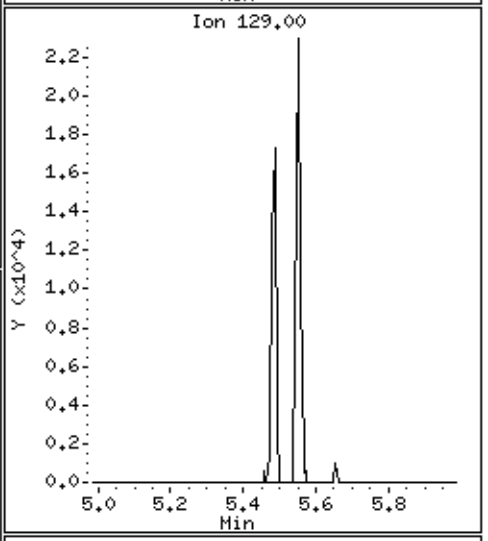
44 Naphthalene

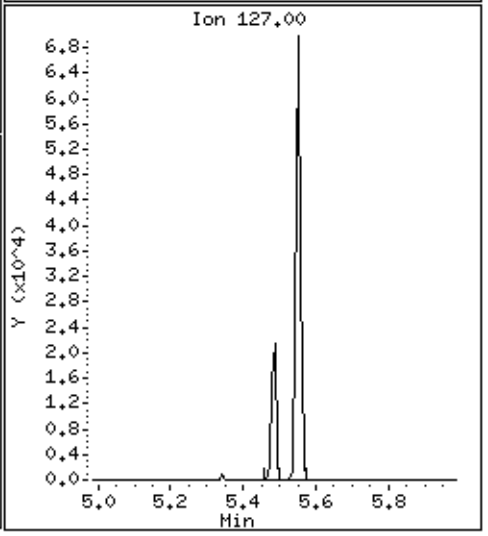
Concentration: 19.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

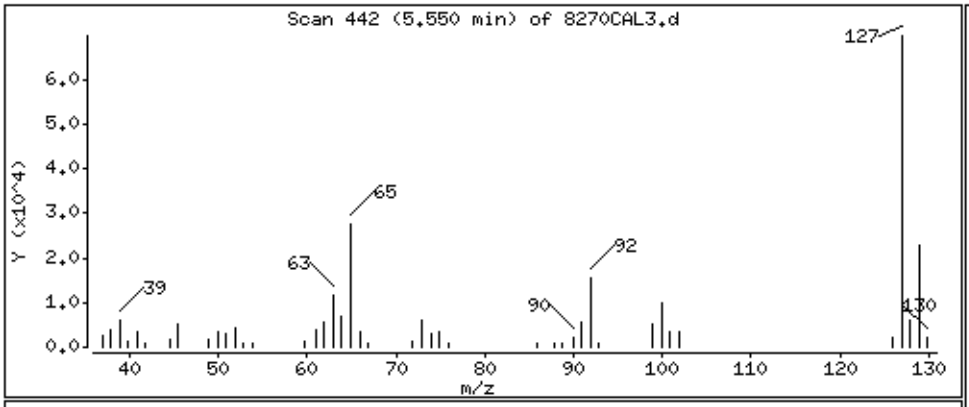
Operator: MJ

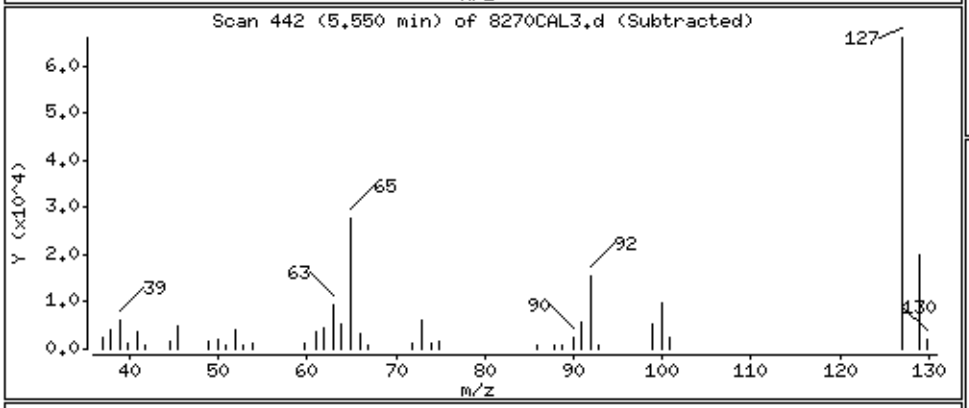
Column phase: HPMS-5

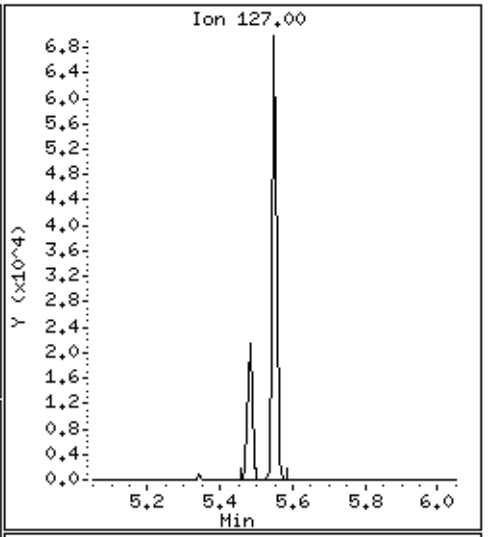
Column diameter: 0.25

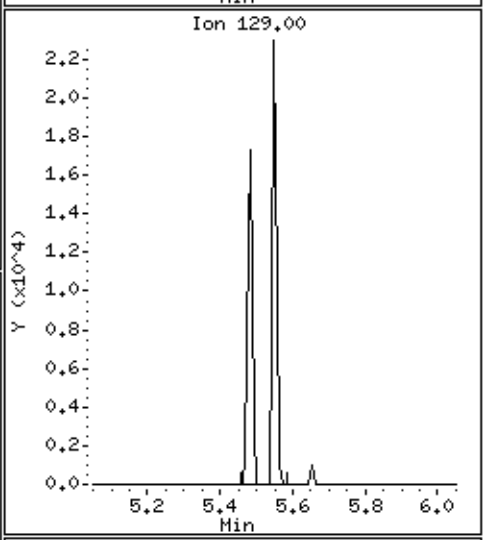
45 4-Chloroaniline

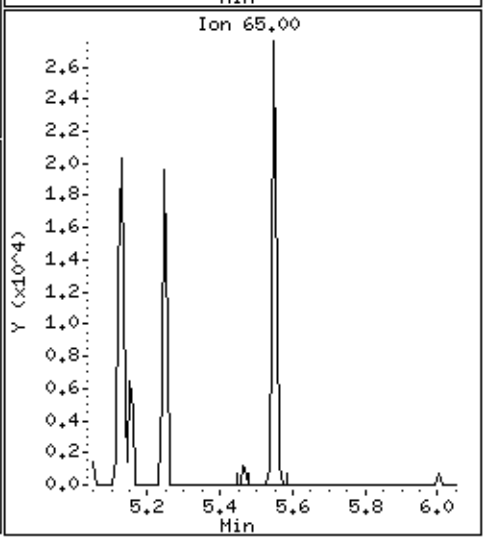
Concentration: 19.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

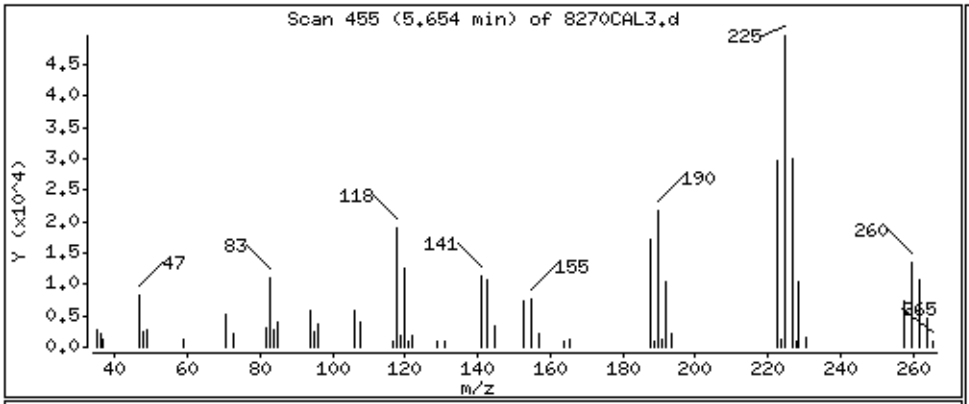
Operator: MJ

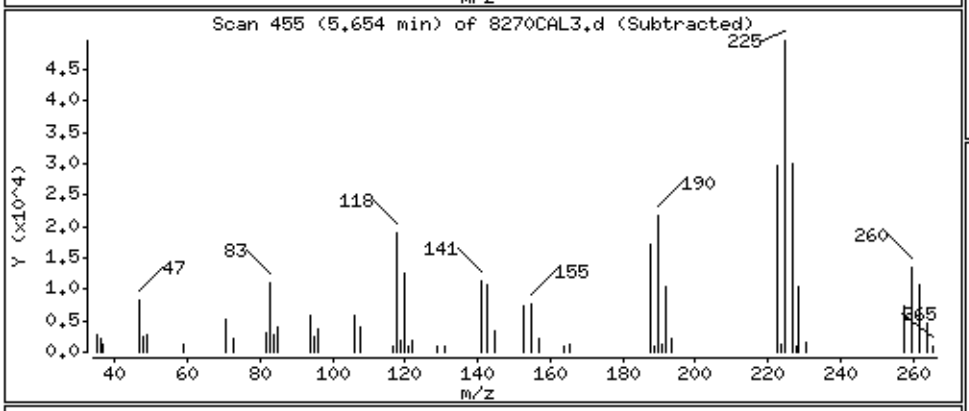
Column phase: HPMS-5

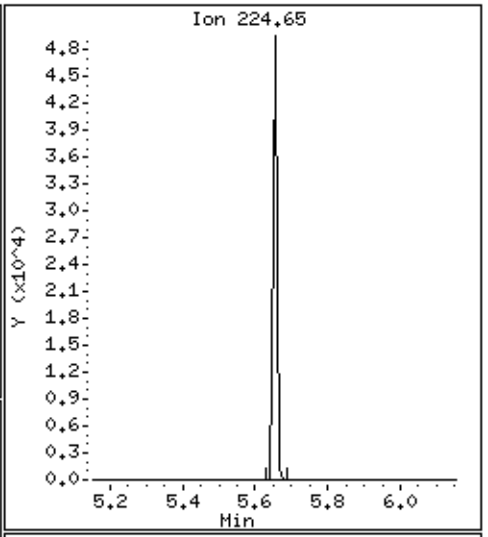
Column diameter: 0.25

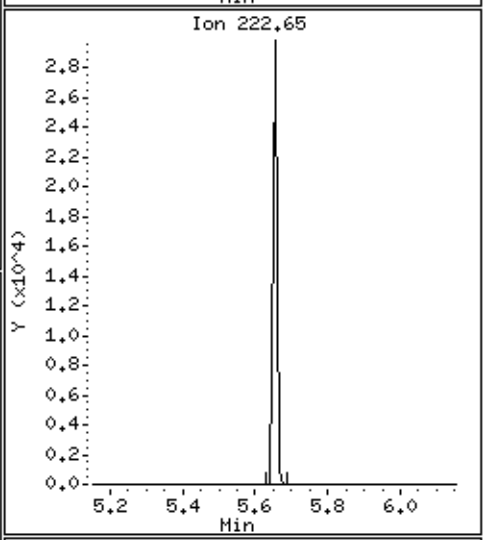
48 Hexachlorobutadiene

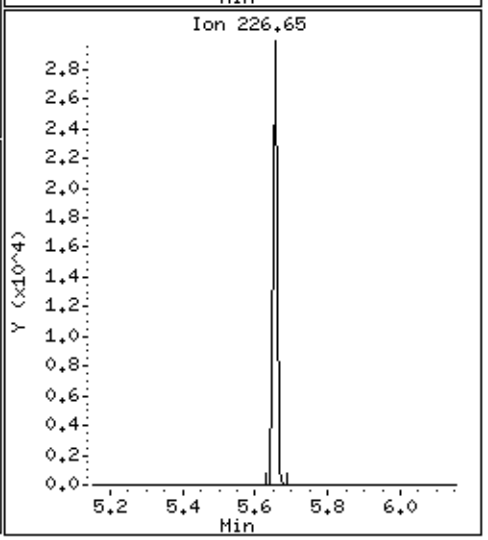
Concentration: 19.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

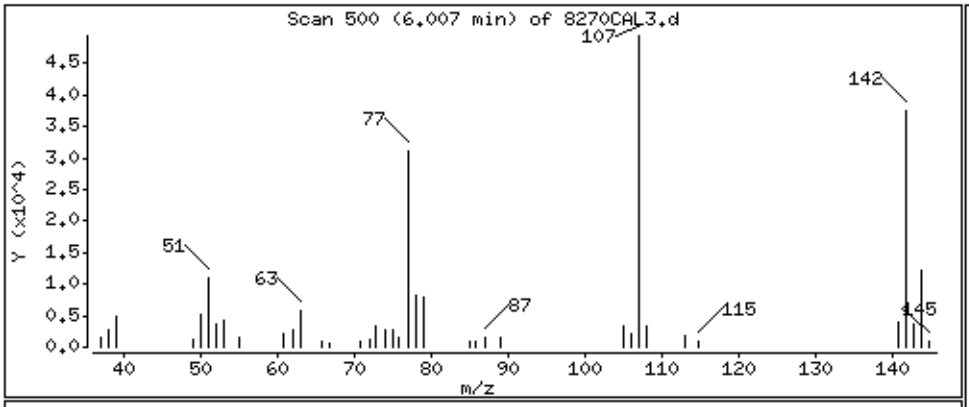
Operator: MJ

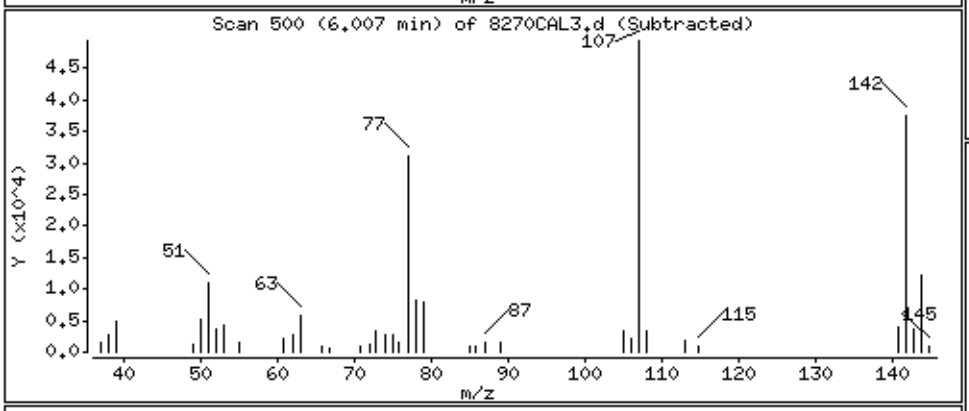
Column phase: HPMS-5

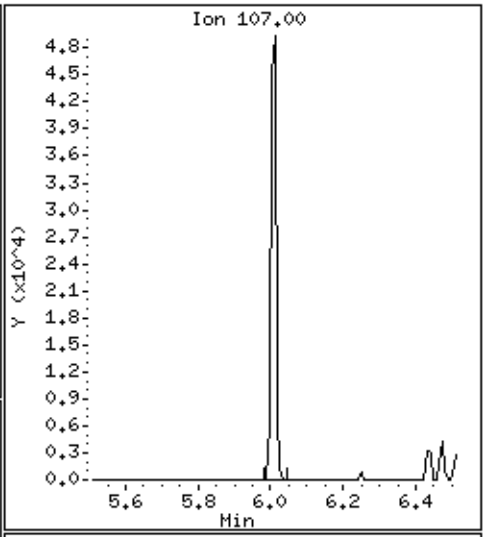
Column diameter: 0.25

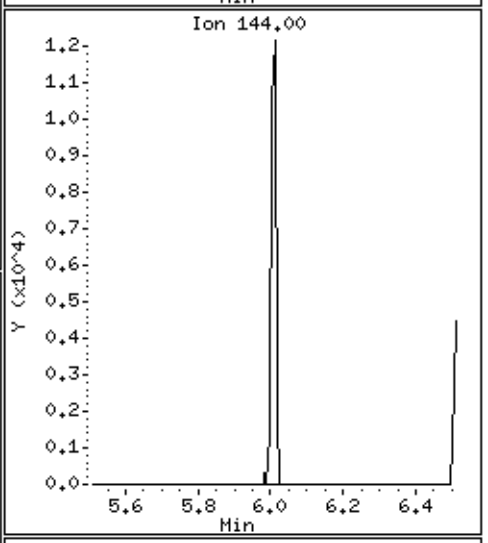
51 4-Chloro-3-methylphenol

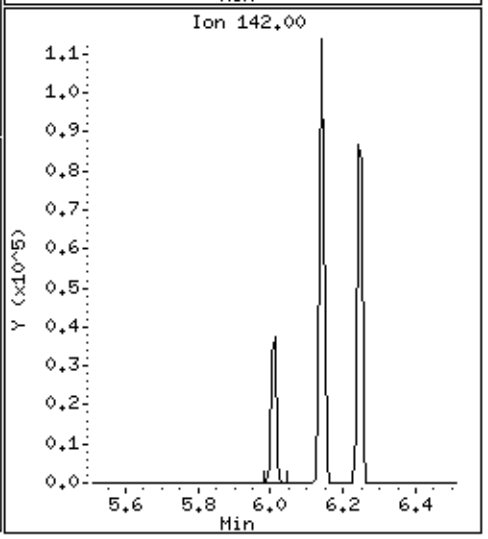
Concentration: 18.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

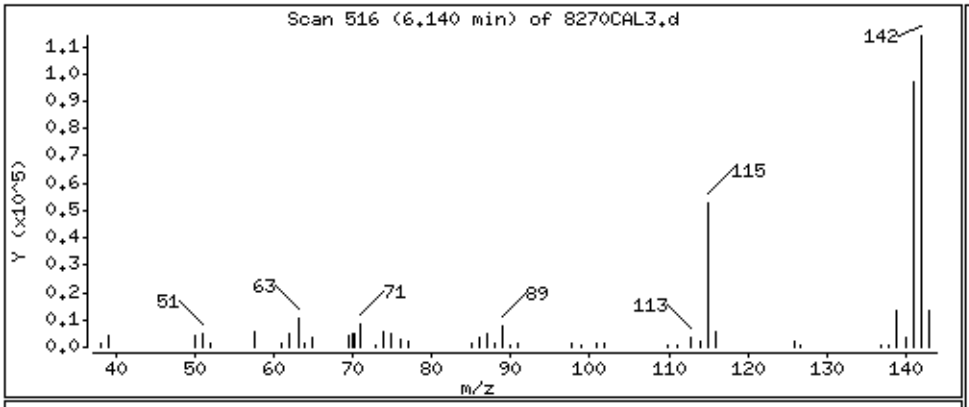
Operator: MJ

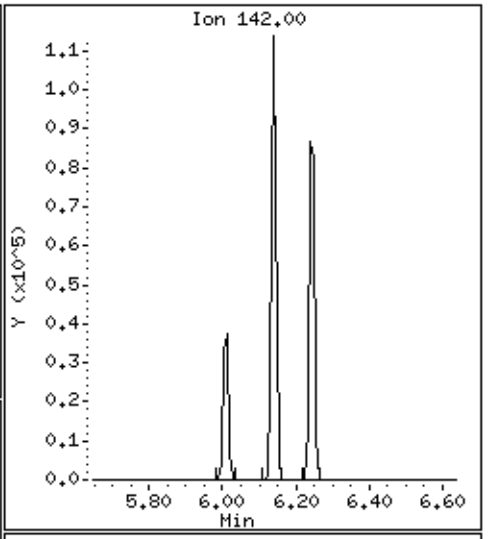
Column phase: HPMS-5

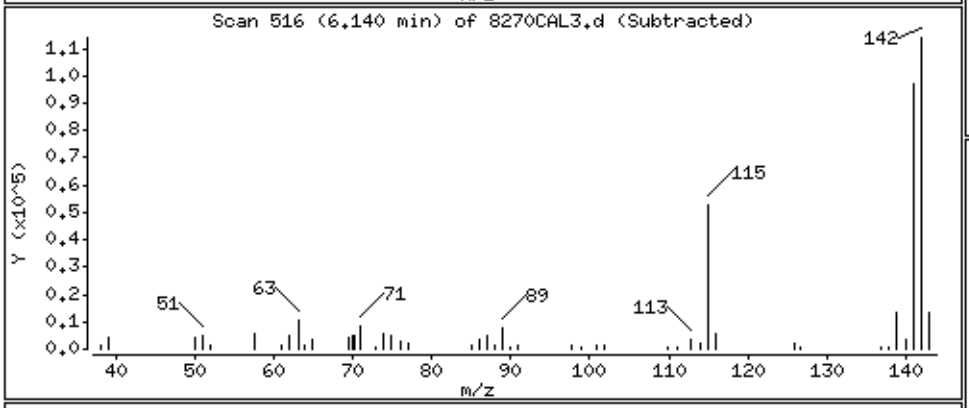
Column diameter: 0.25

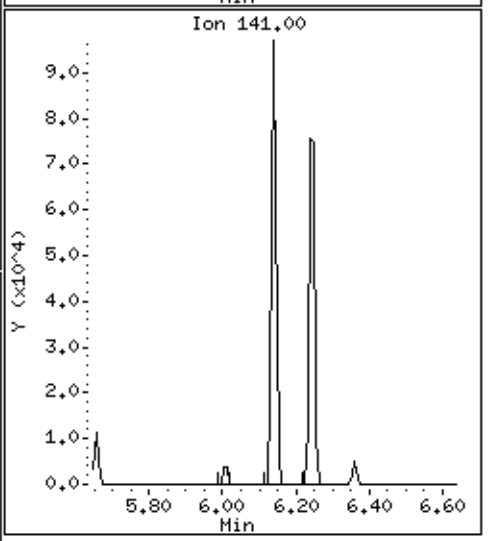
53 2-Methylnaphthalene

Concentration: 19.2 ug/kg









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Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

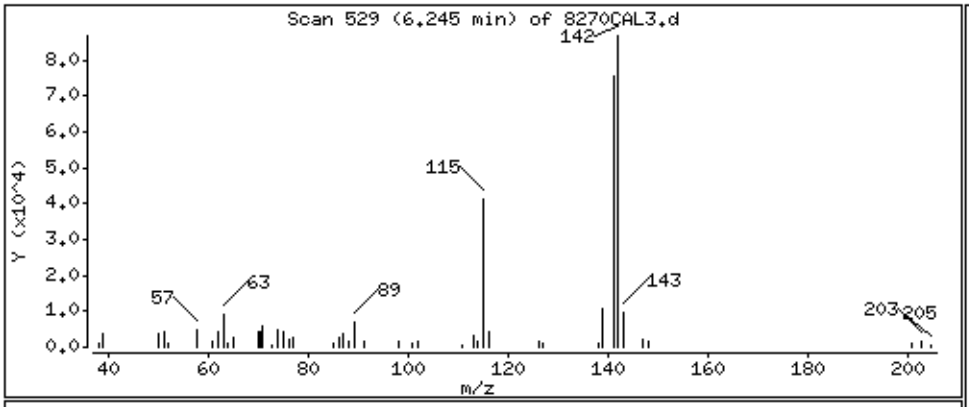
Operator: MJ

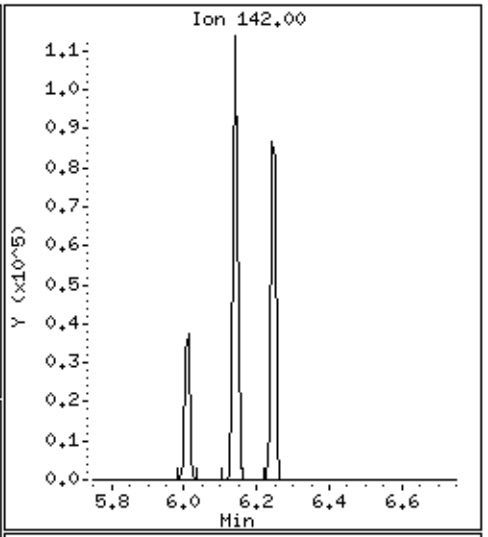
Column phase: HPMS-5

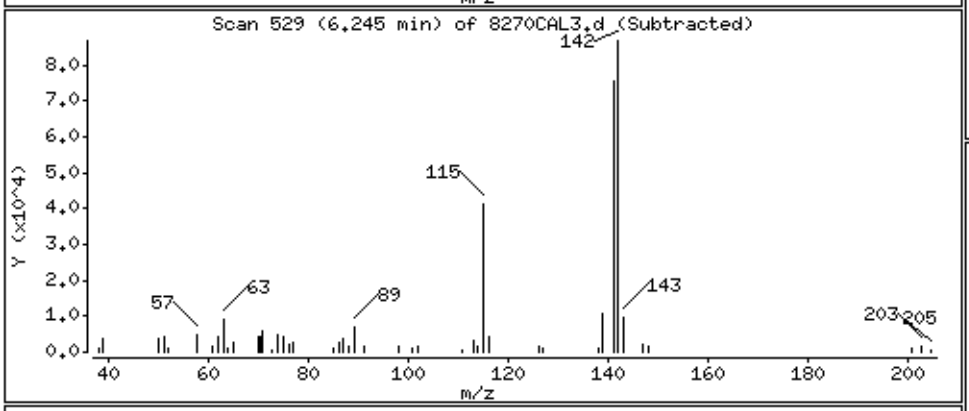
Column diameter: 0.25

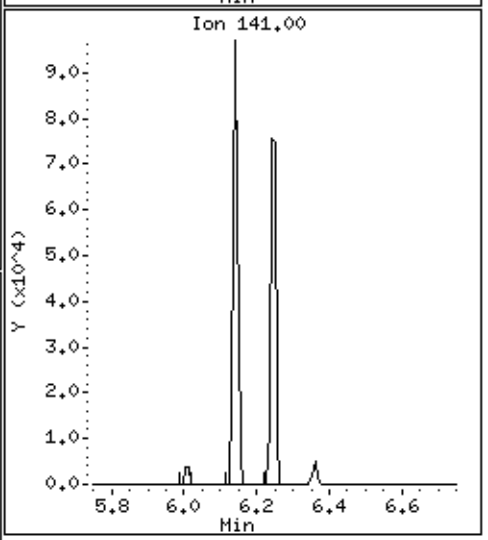
54 1-Methylnaphthalene

Concentration: 18.7 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

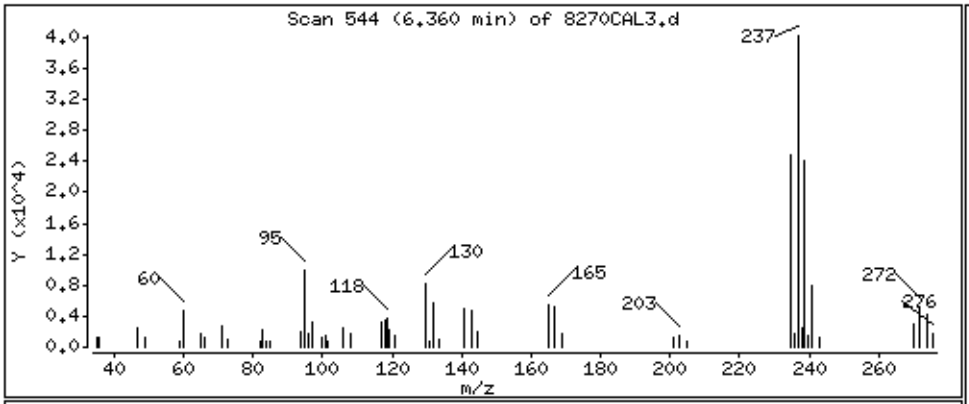
Operator: MJ

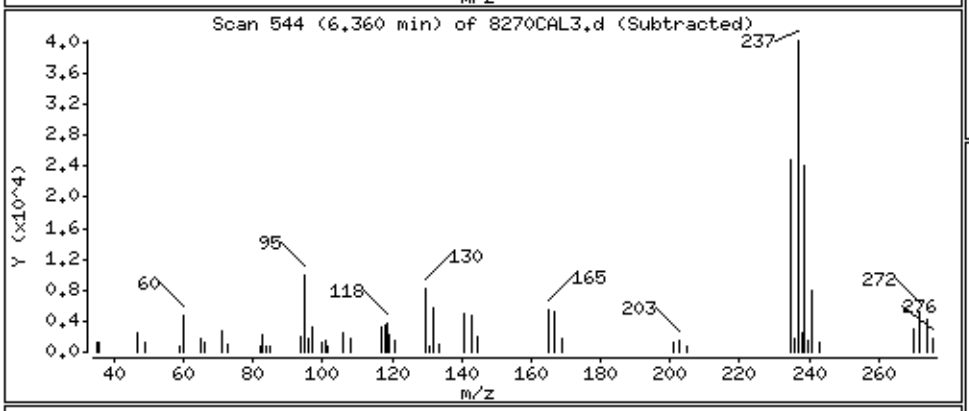
Column phase: HPMS-5

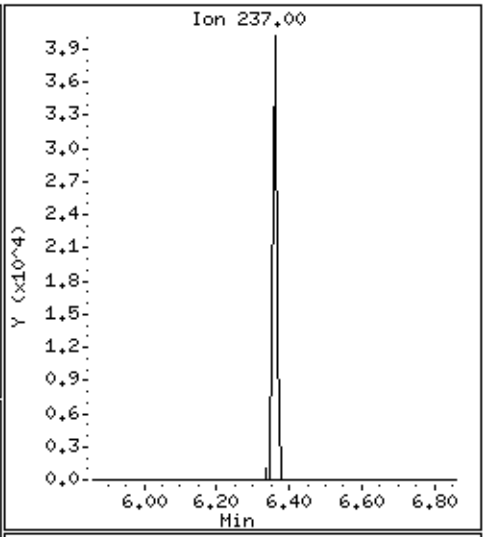
Column diameter: 0.25

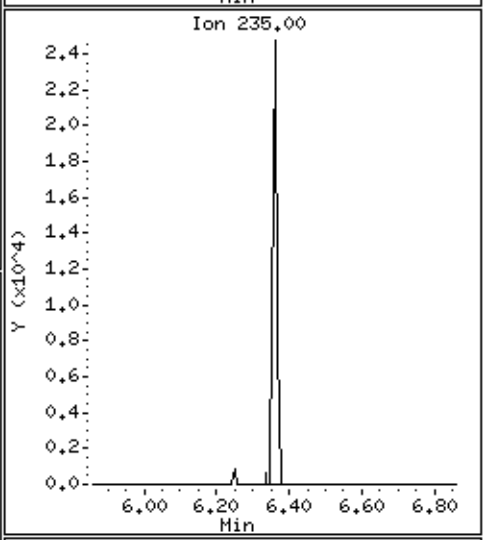
55 Hexachlorocyclopentadiene

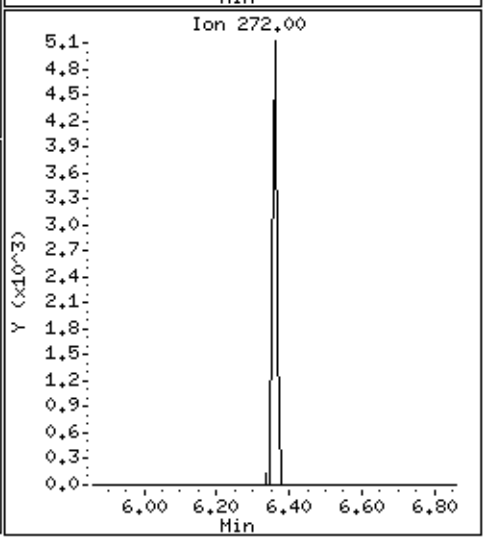
Concentration: 22.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

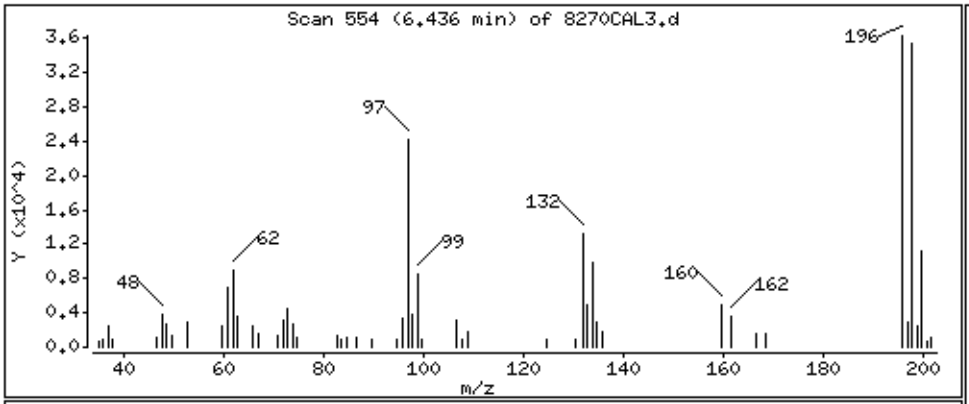
Operator: MJ

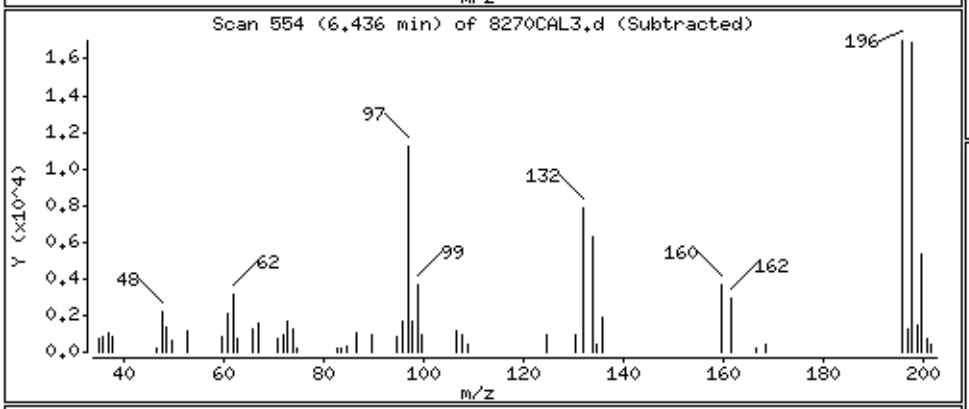
Column phase: HPMS-5

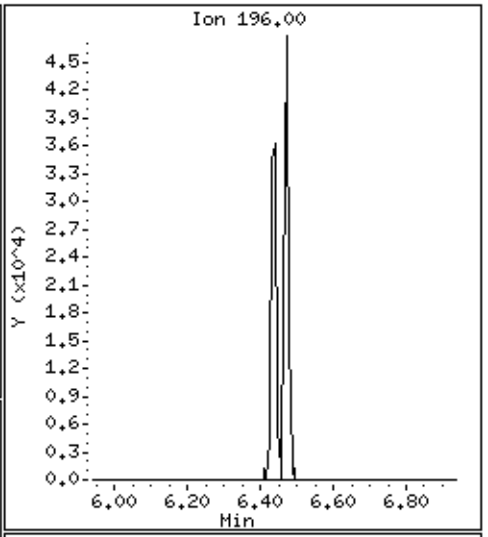
Column diameter: 0.25

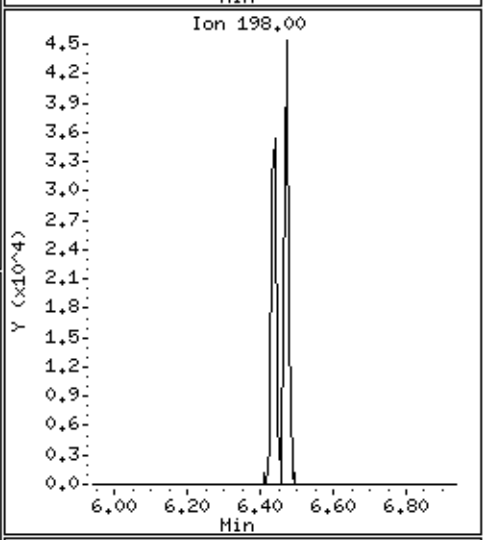
57 2,4,6-Trichlorophenol

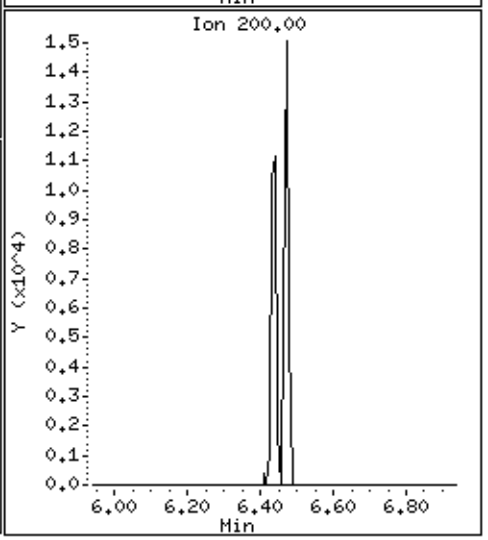
Concentration: 19.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

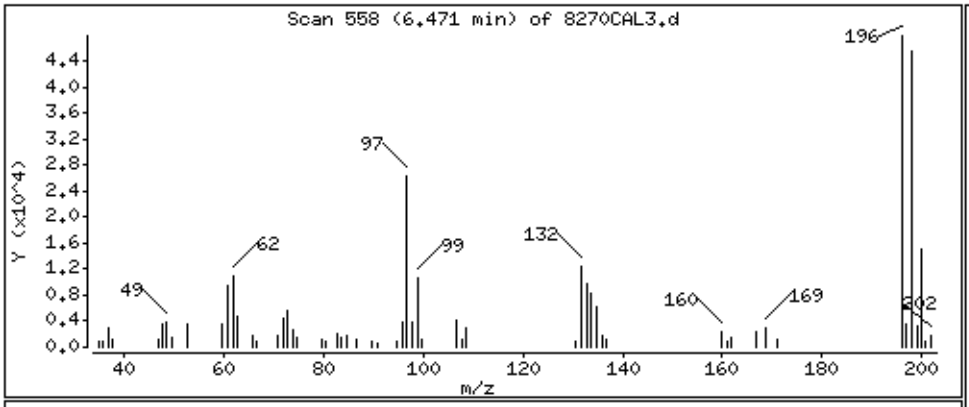
Operator: MJ

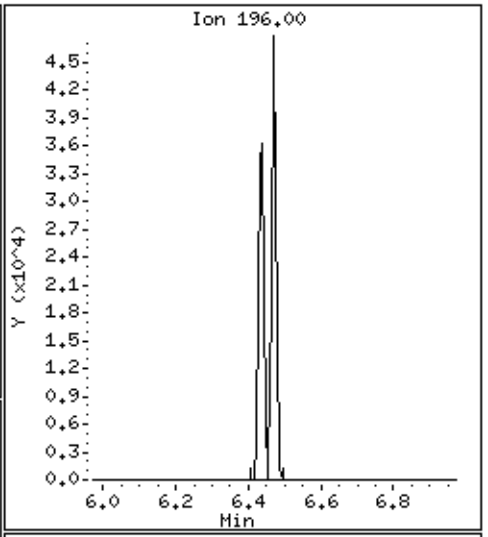
Column phase: HPMS-5

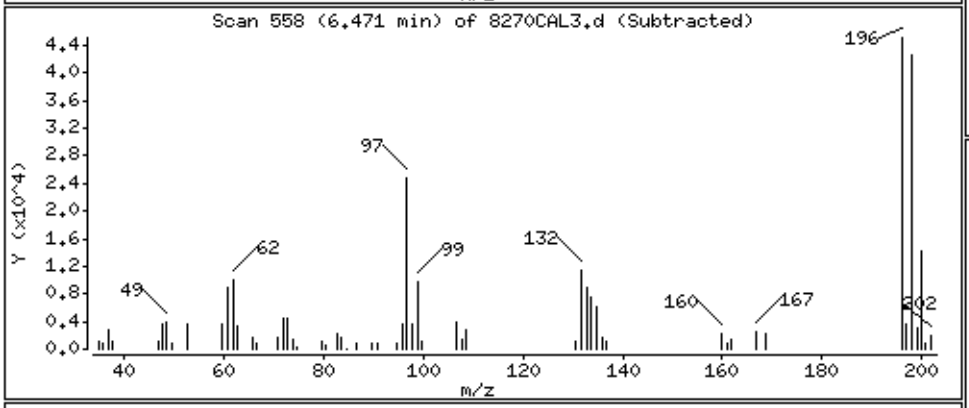
Column diameter: 0.25

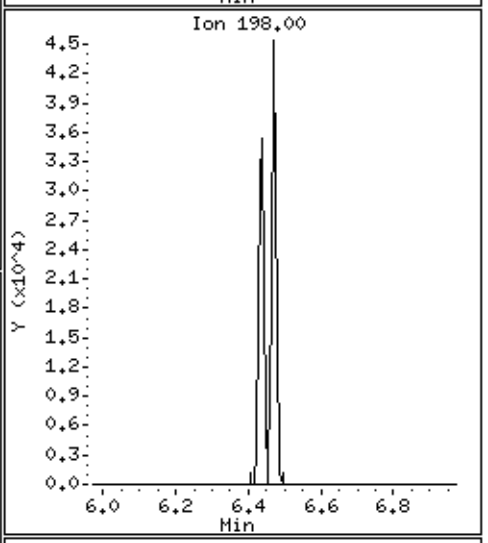
58 2,4,5-Trichlorophenol

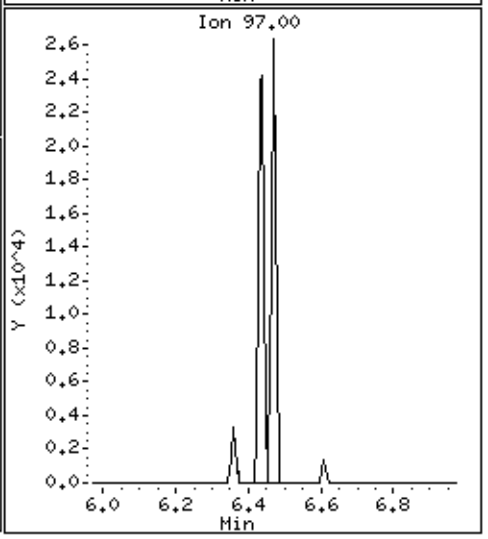
Concentration: 18.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

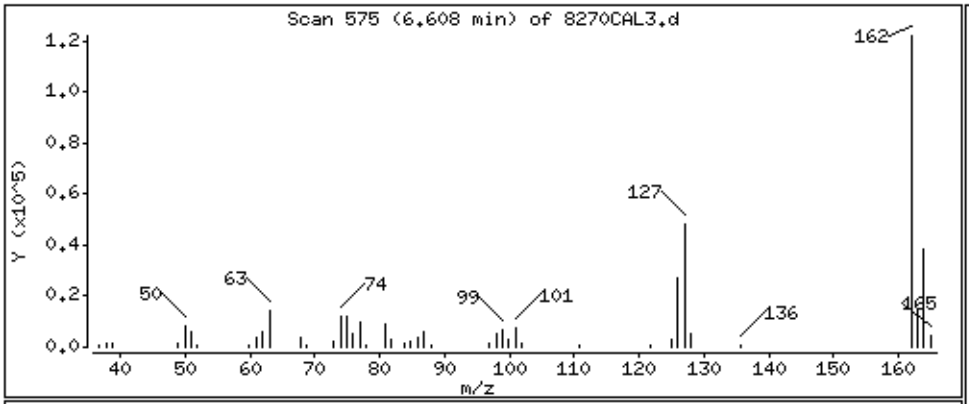
Operator: MJ

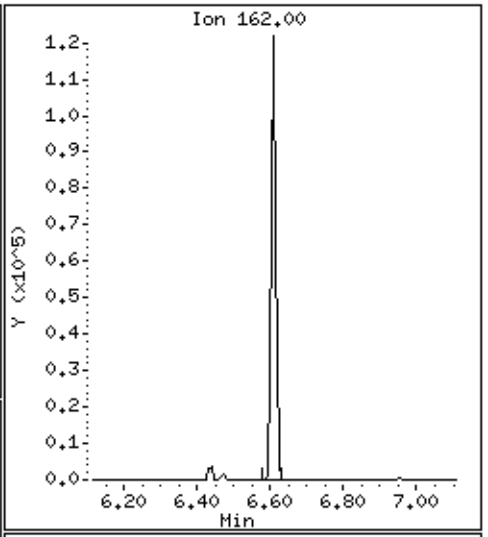
Column phase: HPMS-5

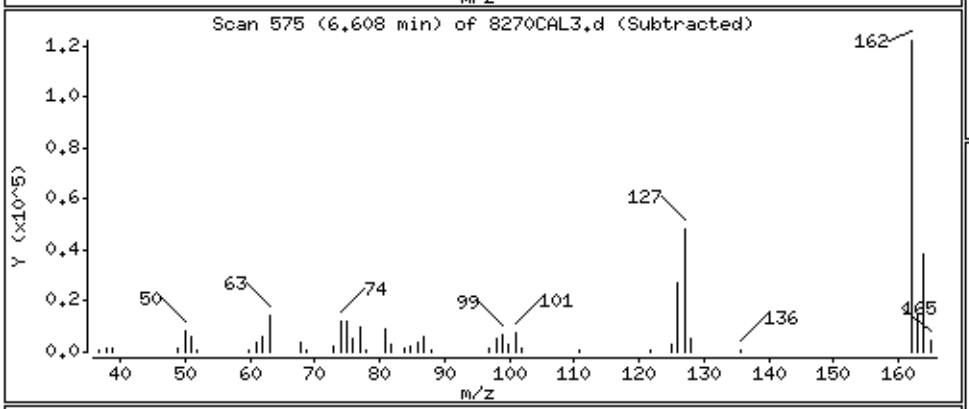
Column diameter: 0.25

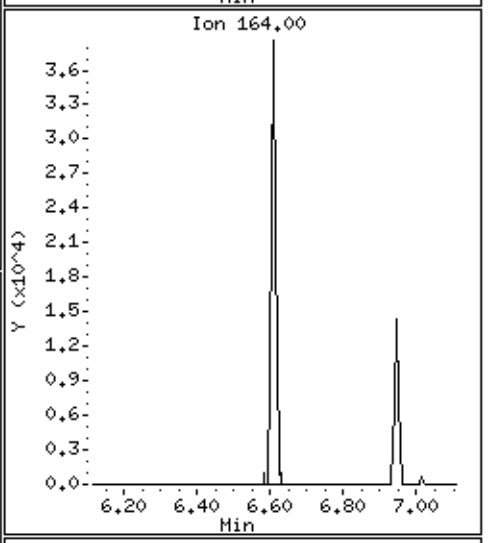
62 2-Chloronaphthalene

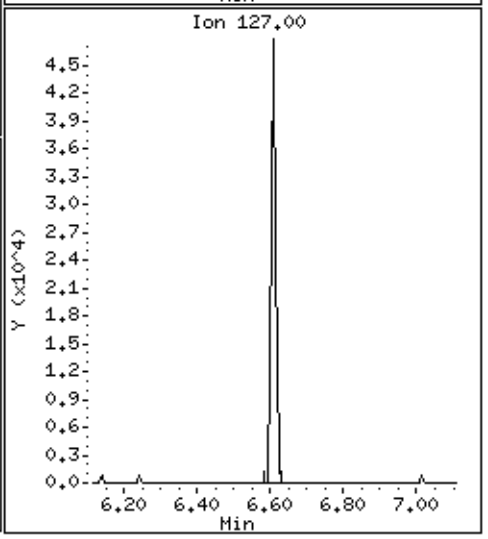
Concentration: 19.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

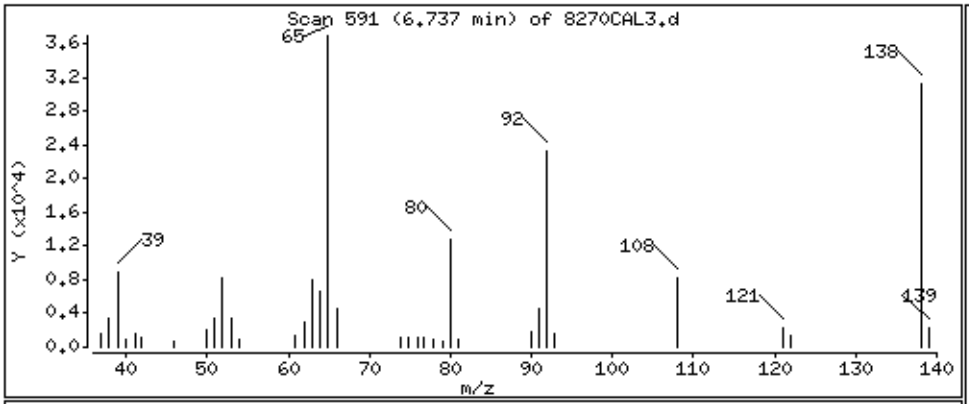
Operator: MJ

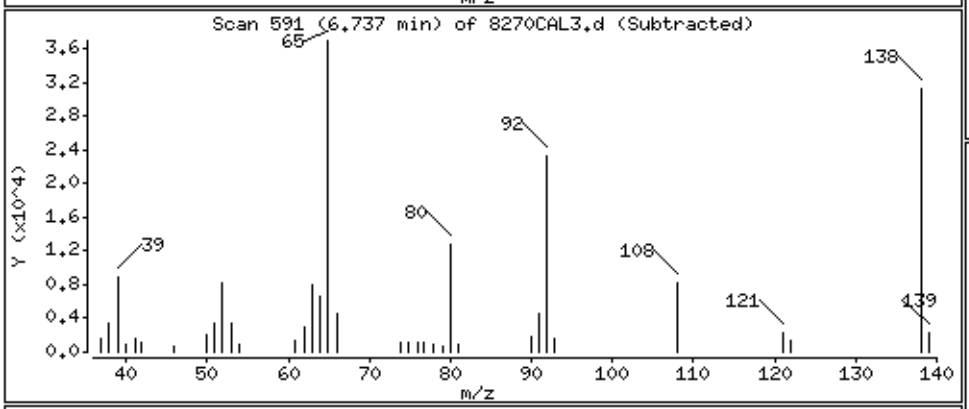
Column phase: HPMS-5

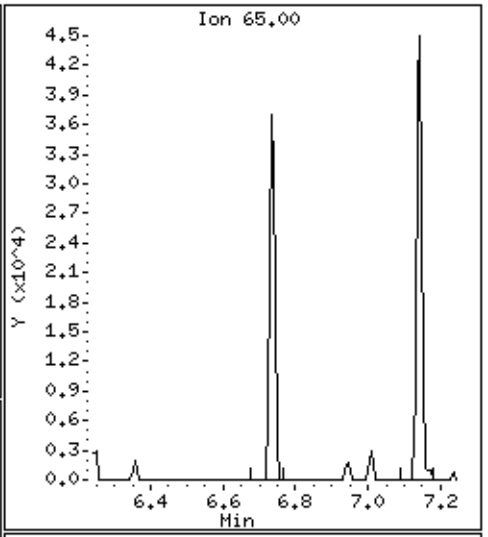
Column diameter: 0.25

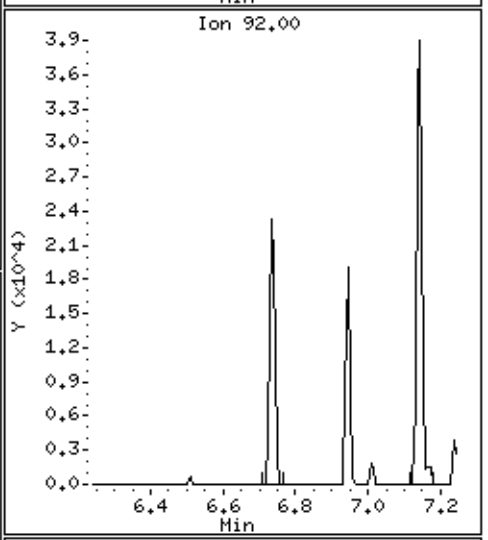
63 2-Nitroaniline

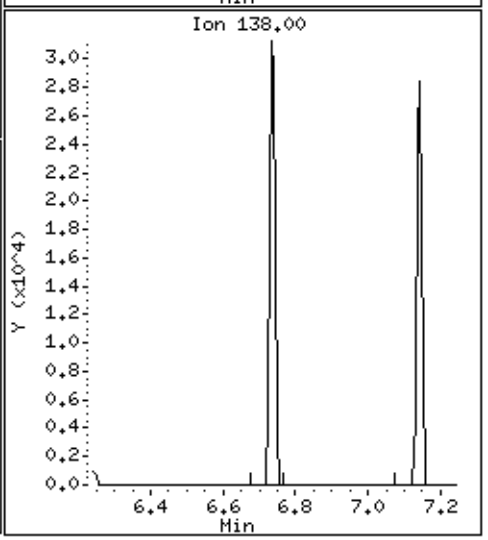
Concentration: 19.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

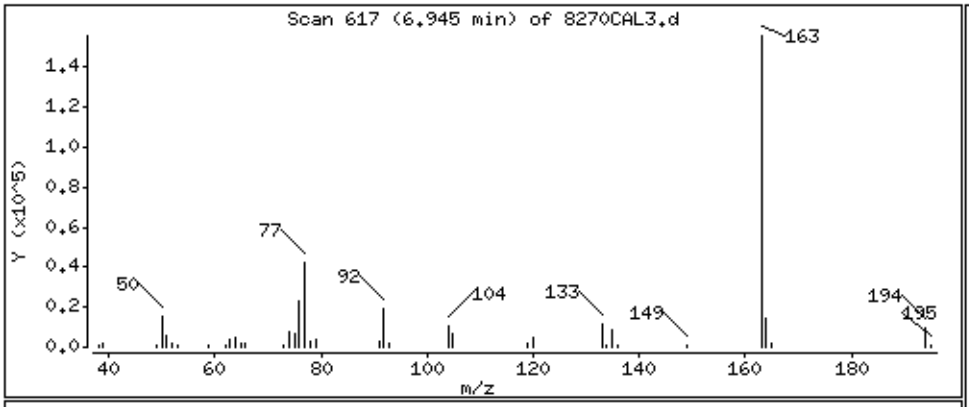
Operator: MJ

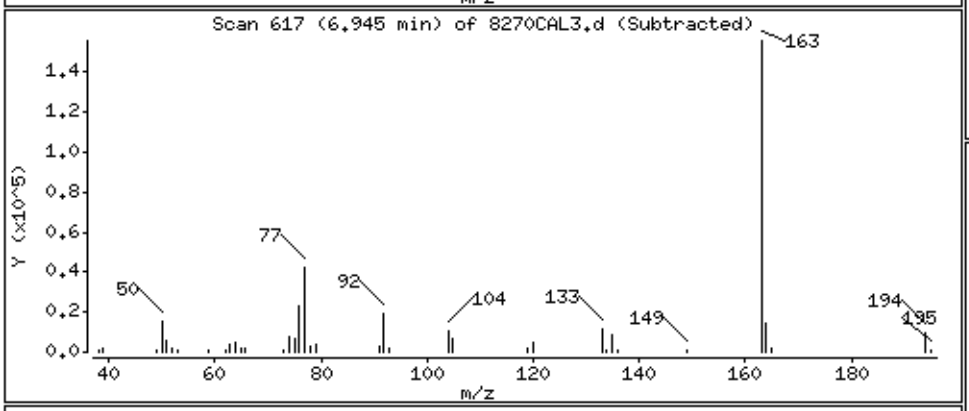
Column phase: HPMS-5

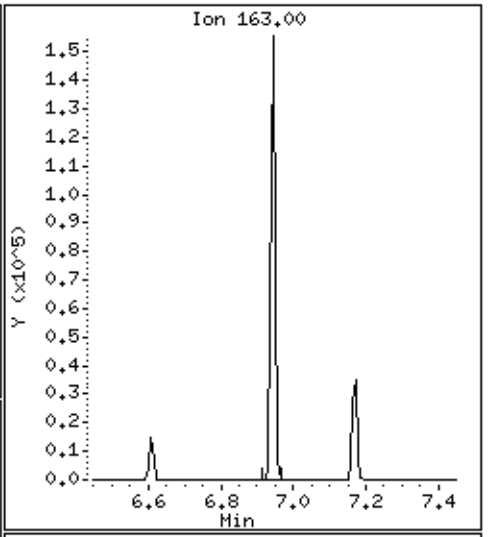
Column diameter: 0.25

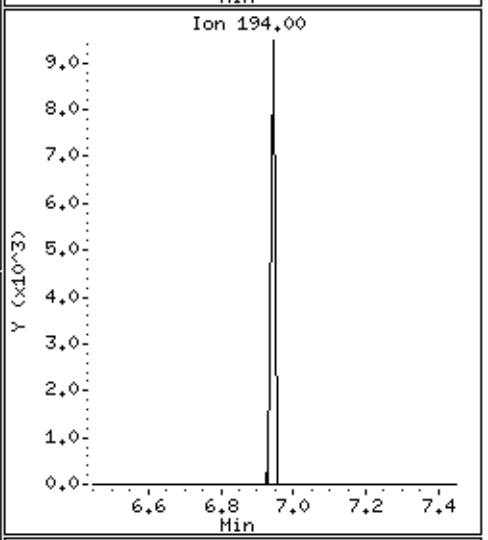
65 Dimethylphthalate

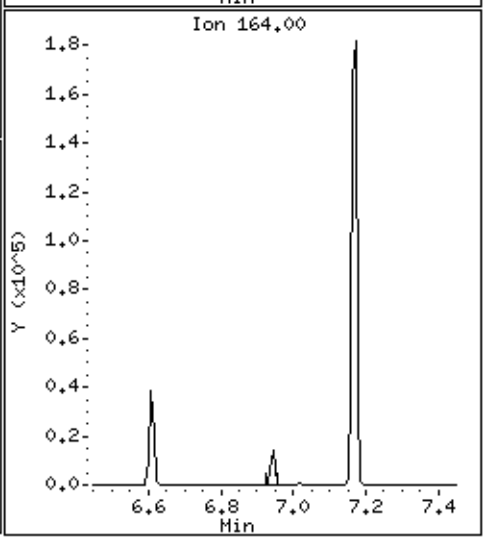
Concentration: 19.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

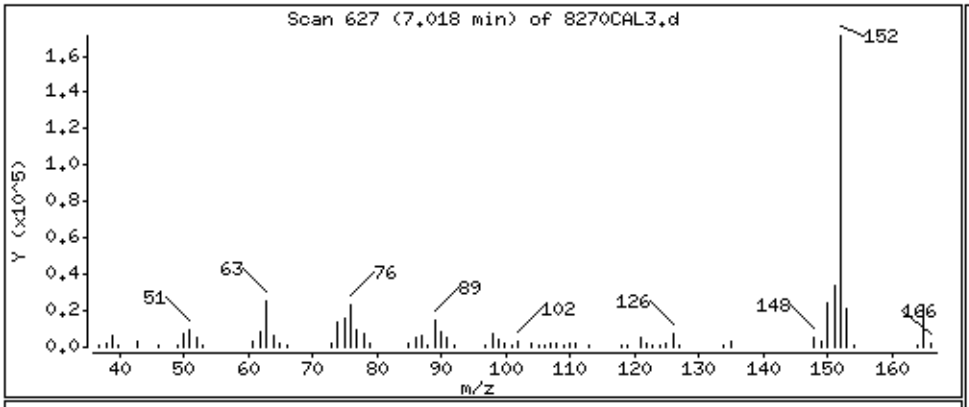
Operator: MJ

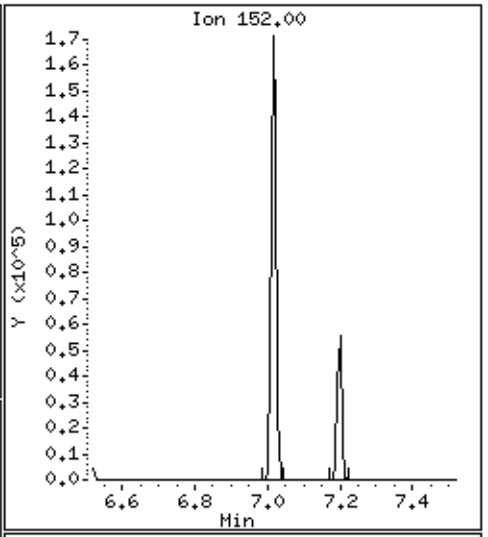
Column phase: HPMS-5

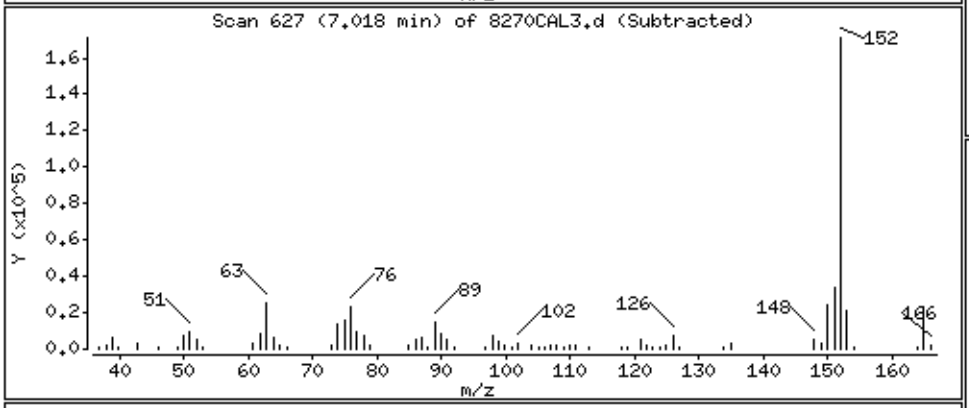
Column diameter: 0.25

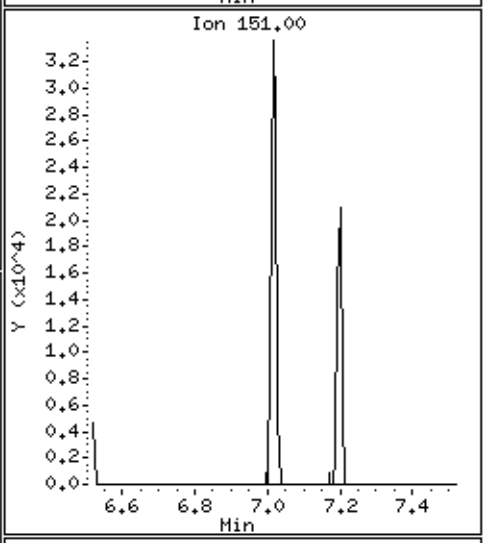
68 Acenaphthylene

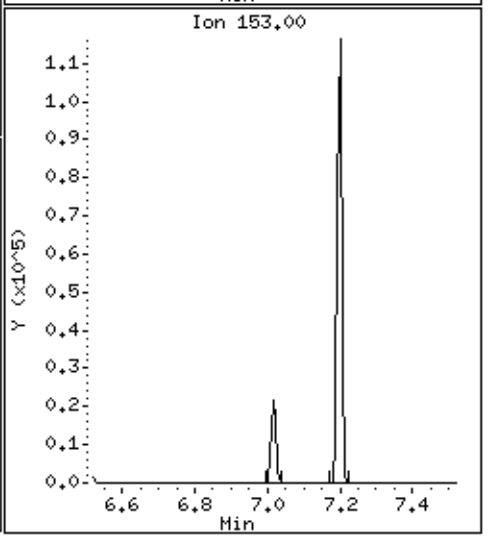
Concentration: 18.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

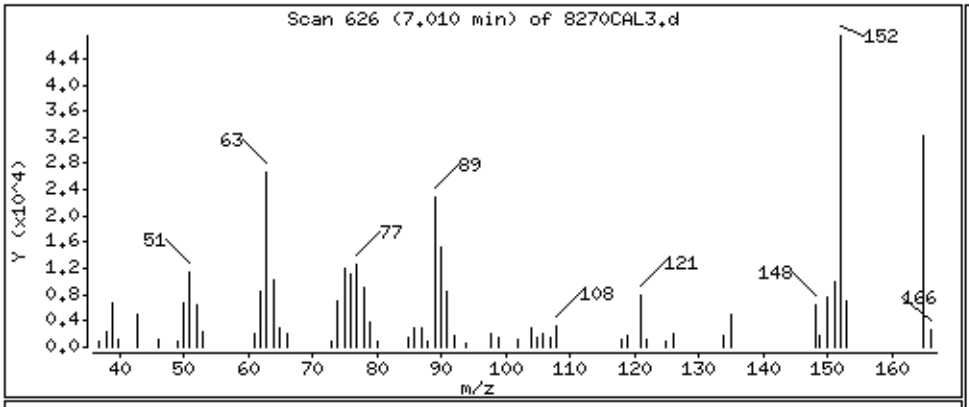
Operator: MJ

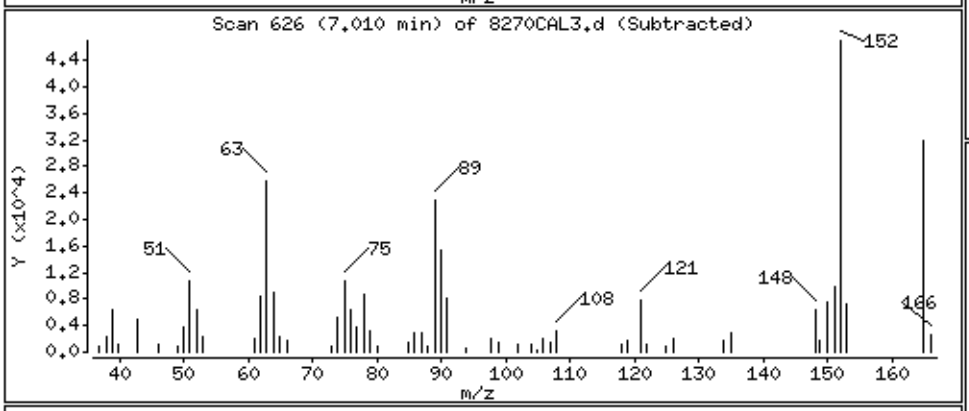
Column phase: HPMS-5

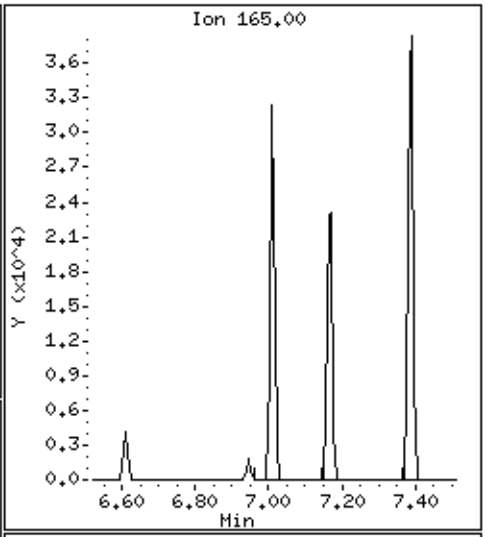
Column diameter: 0.25

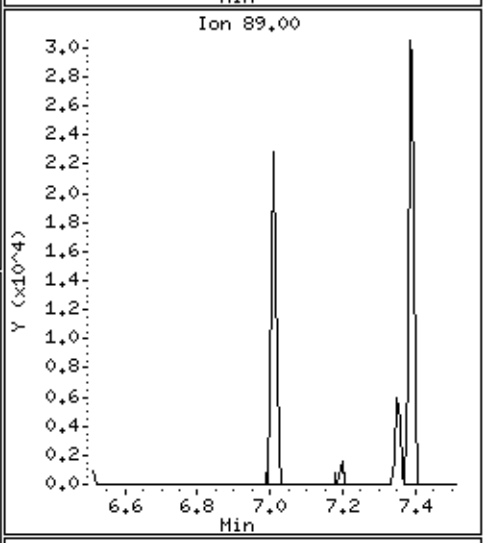
67 2,6-Dinitrotoluene

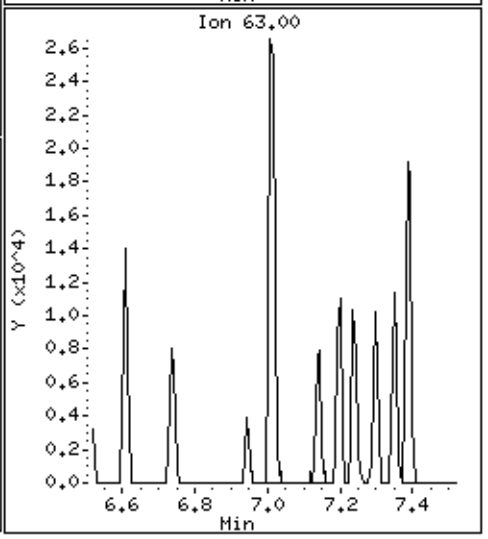
Concentration: 18.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

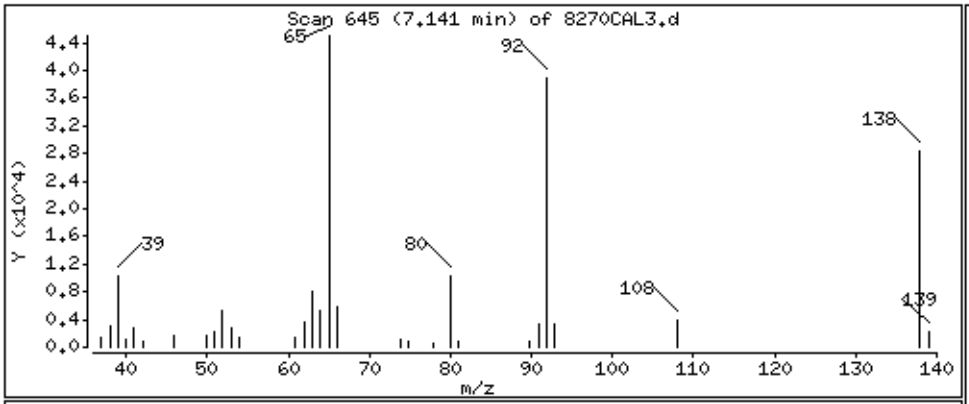
Operator: MJ

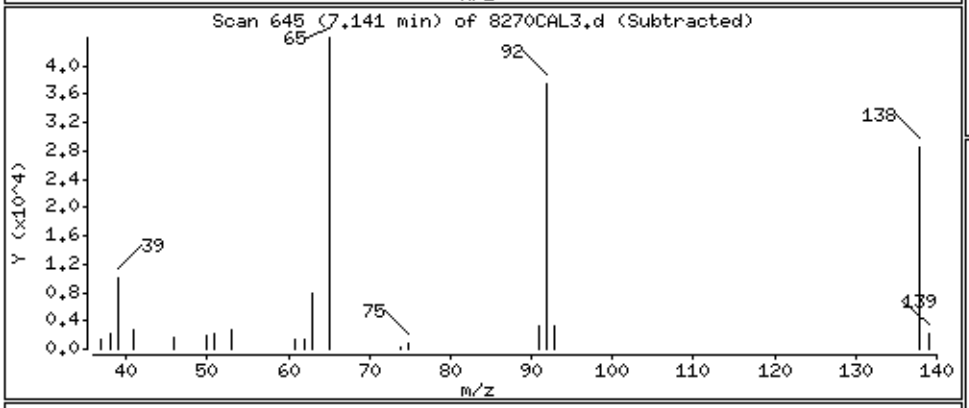
Column phase: HPMS-5

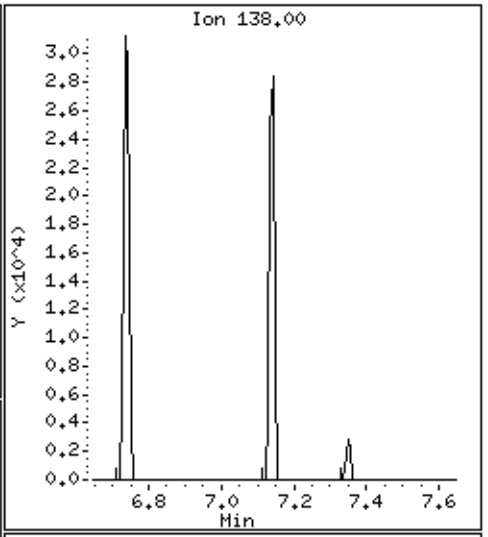
Column diameter: 0.25

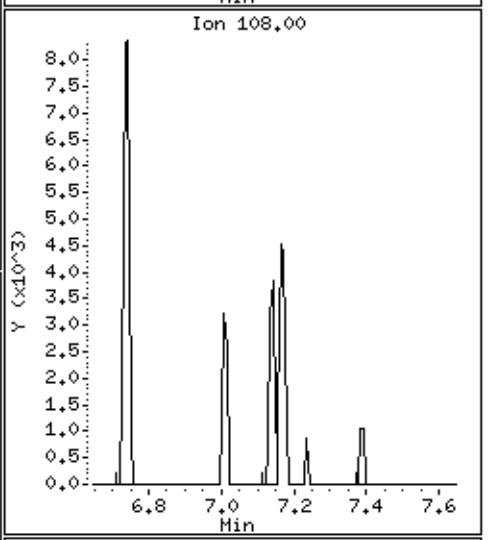
69 3-Nitroaniline

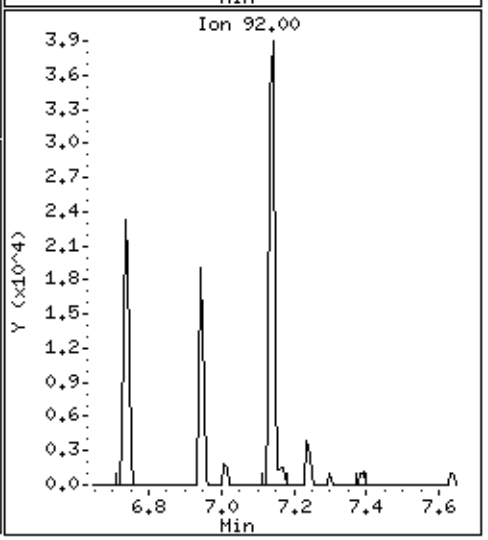
Concentration: 19.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

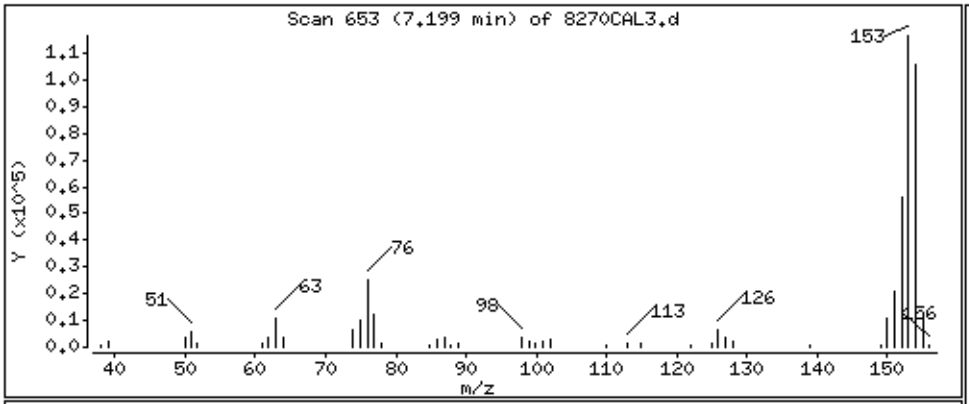
Operator: MJ

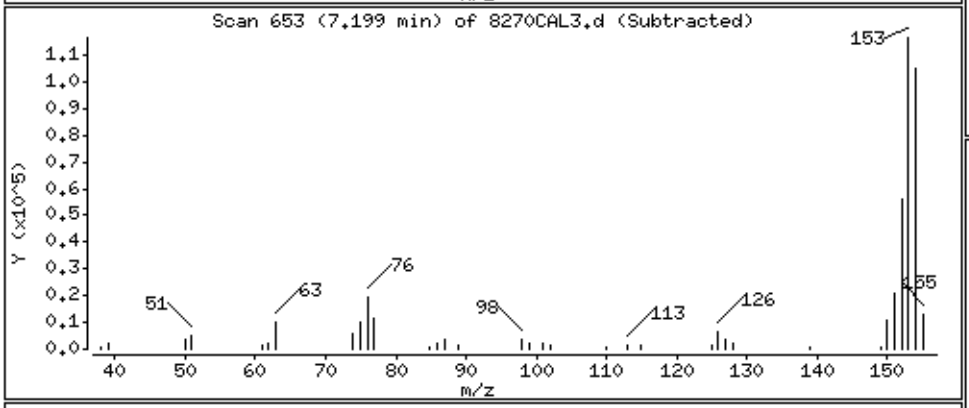
Column phase: HPMS-5

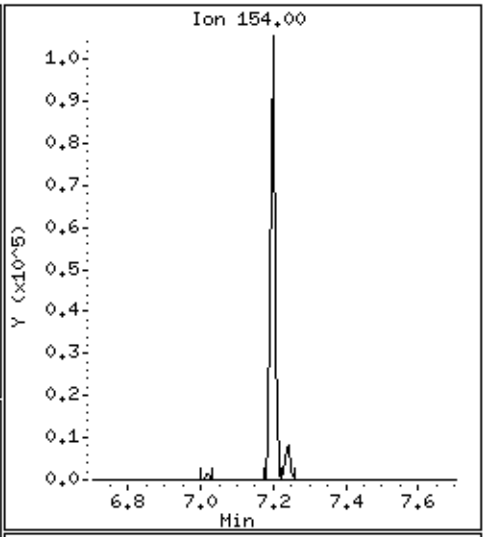
Column diameter: 0.25

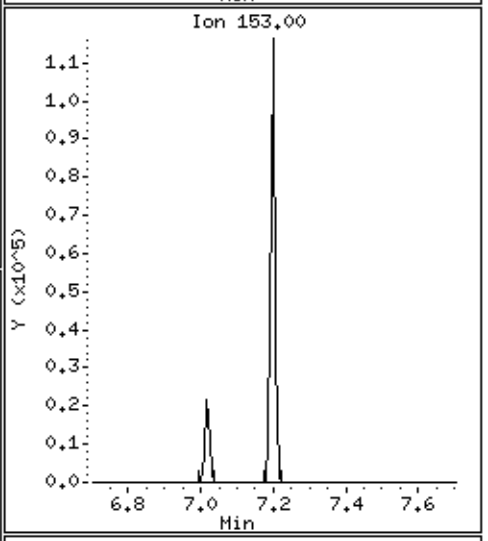
71 Acenaphthene

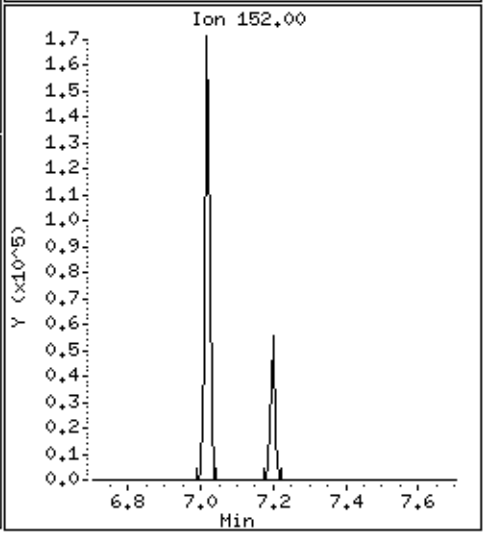
Concentration: 19.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

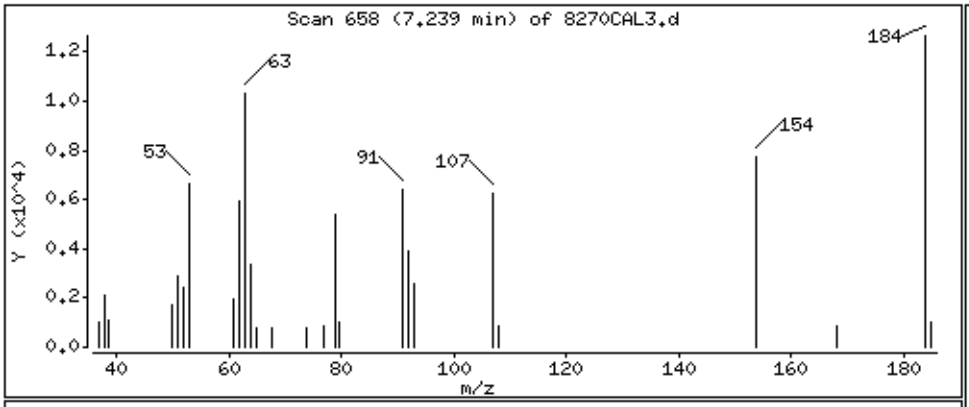
Operator: MJ

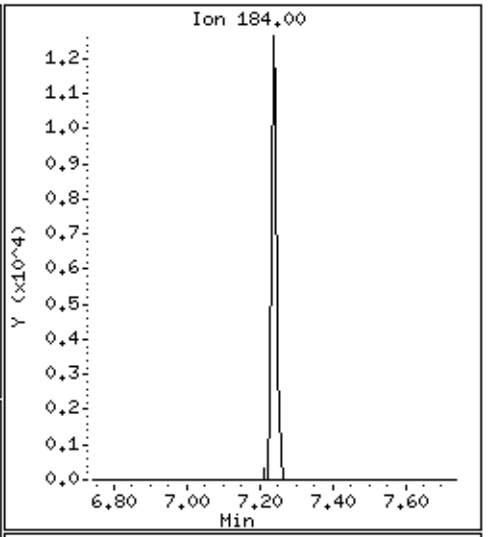
Column phase: HPMS-5

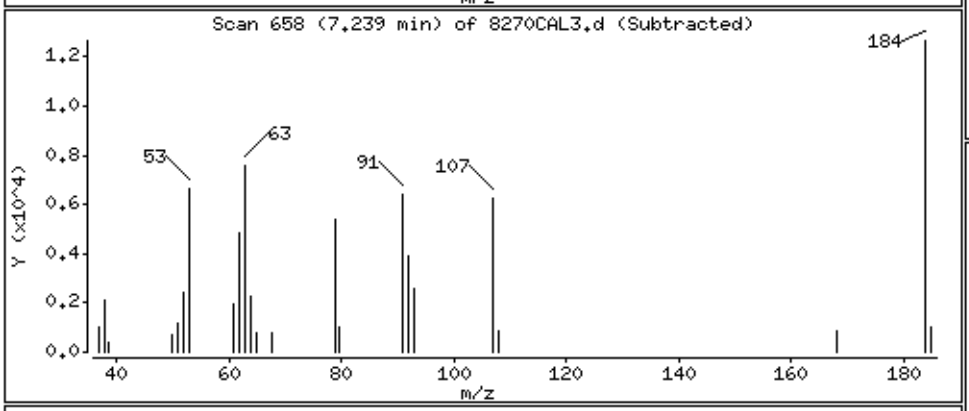
Column diameter: 0.25

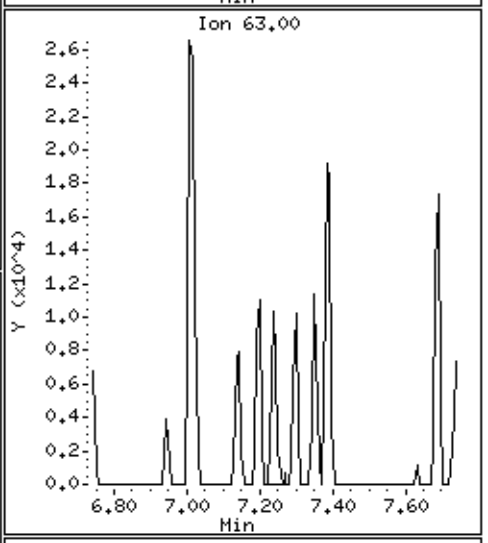
72 2,4-Dinitrophenol

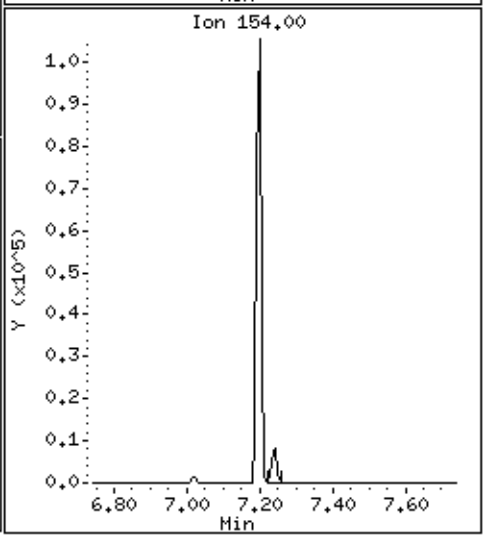
Concentration: 23.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

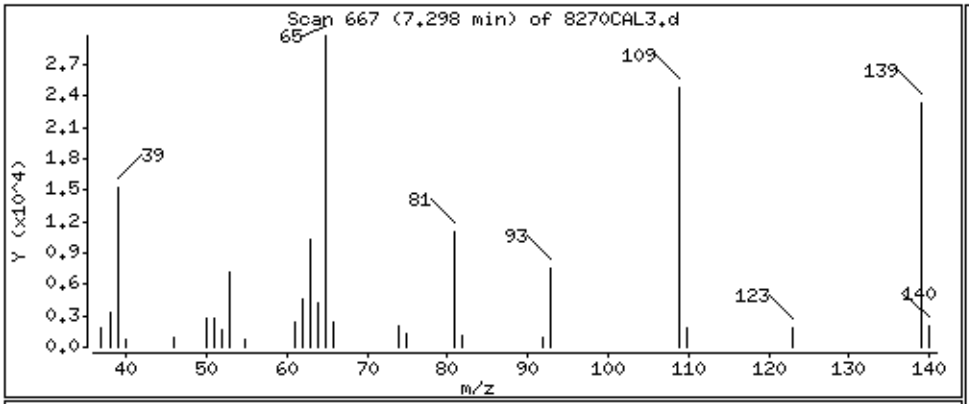
Operator: MJ

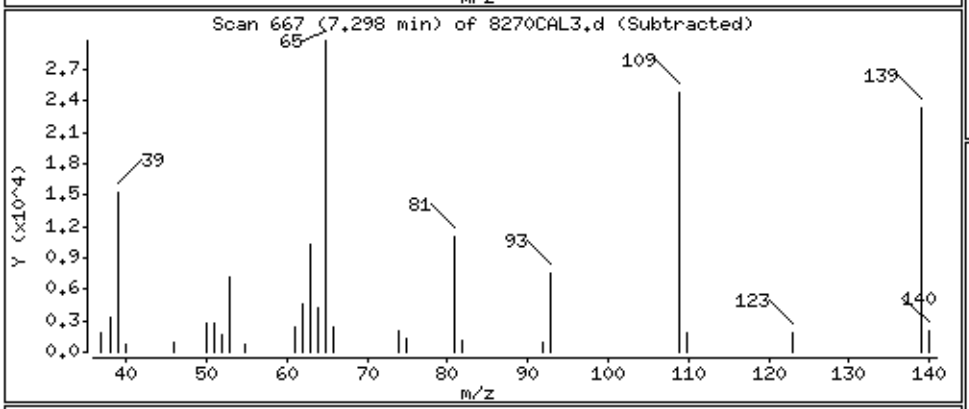
Column phase: HPMS-5

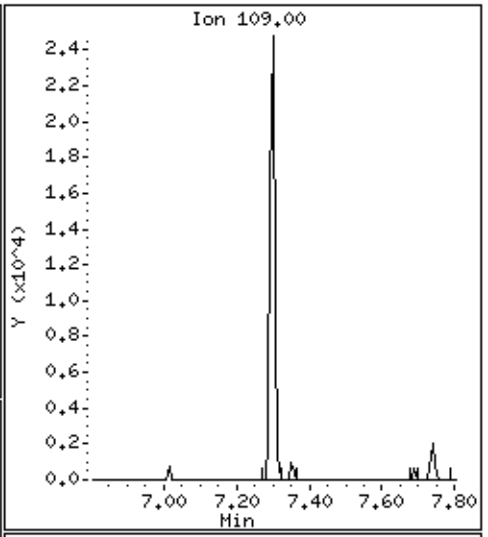
Column diameter: 0.25

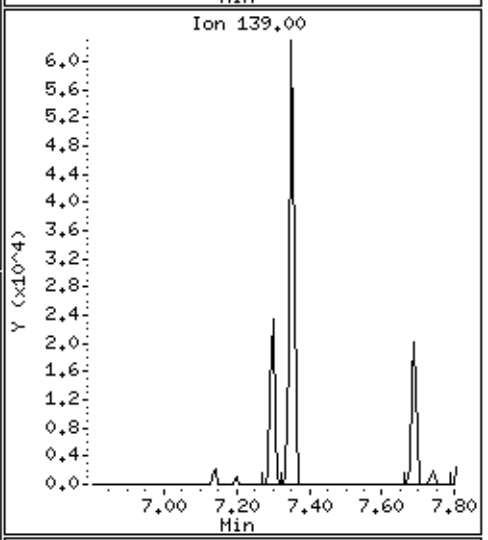
74 4-Nitrophenol

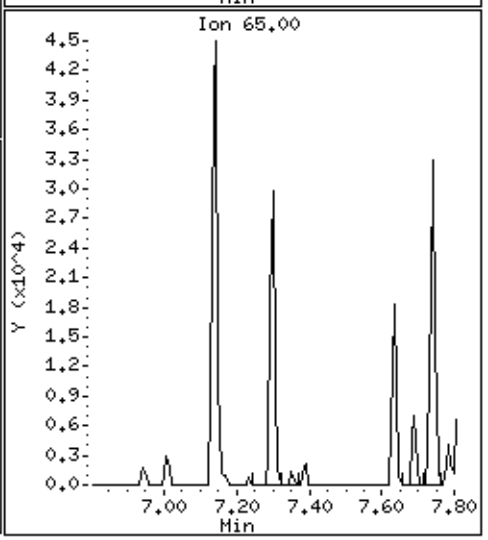
Concentration: 18.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

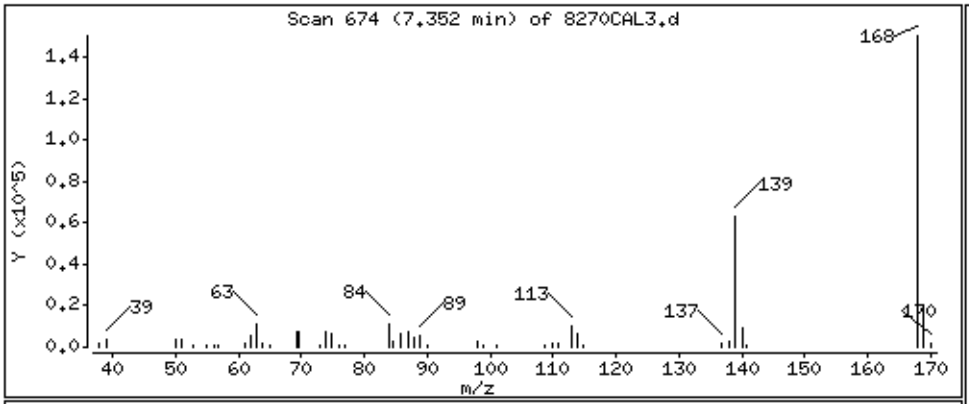
Operator: MJ

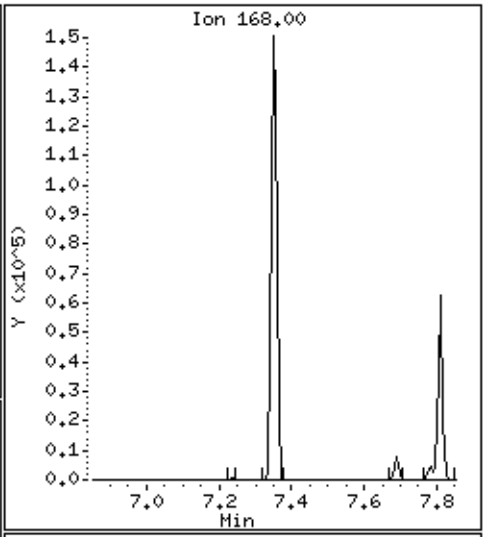
Column phase: HPMS-5

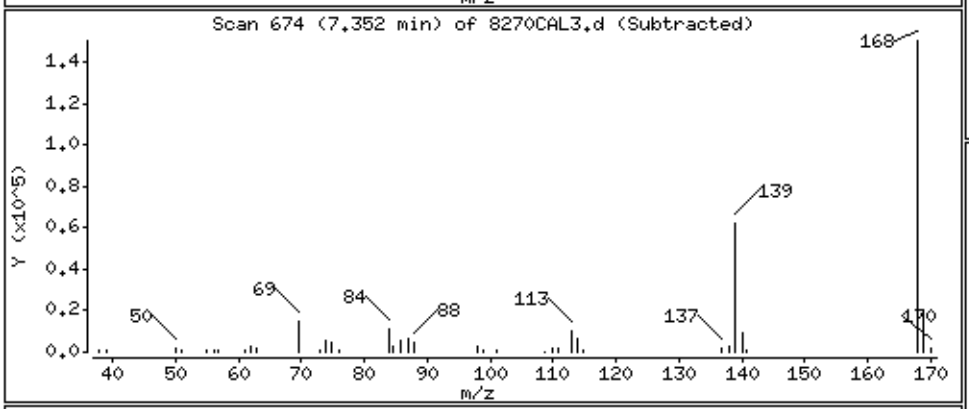
Column diameter: 0.25

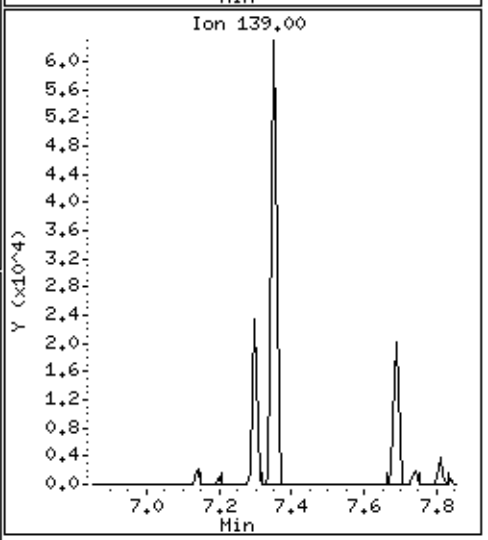
75 Dibenzofuran

Concentration: 19.3 ug/kg









Date : 15-NOV-2012 00:04

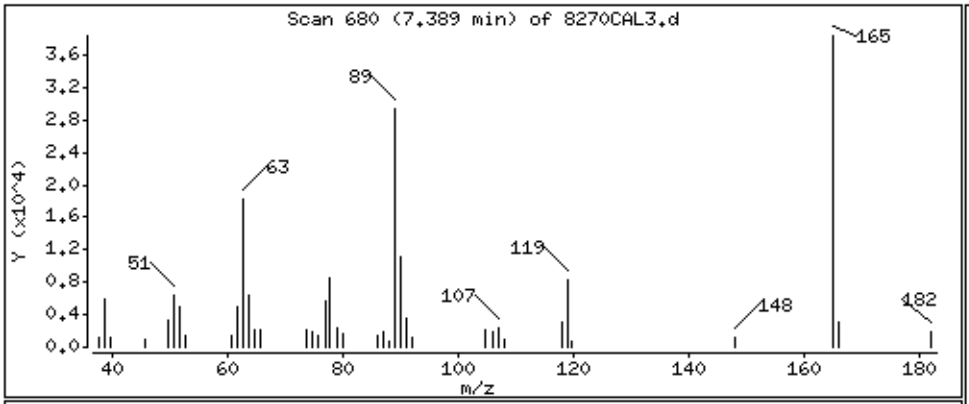
Client ID: 8270CAL3 Instrument: smsd04.i

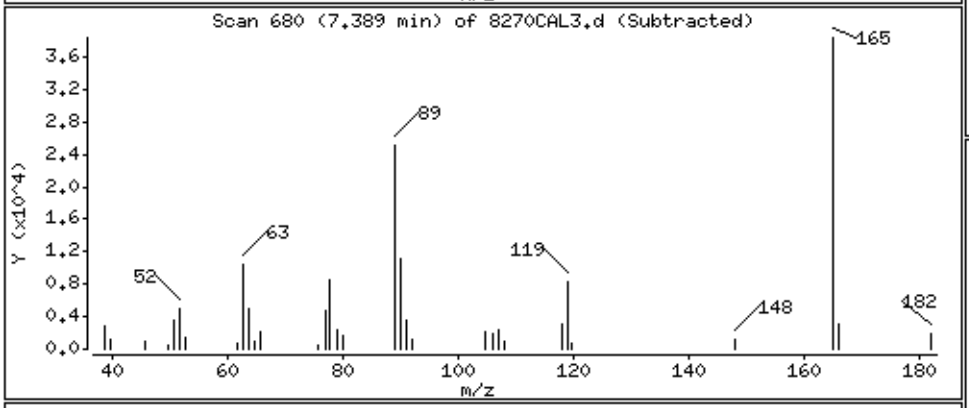
Sample Info: 47767

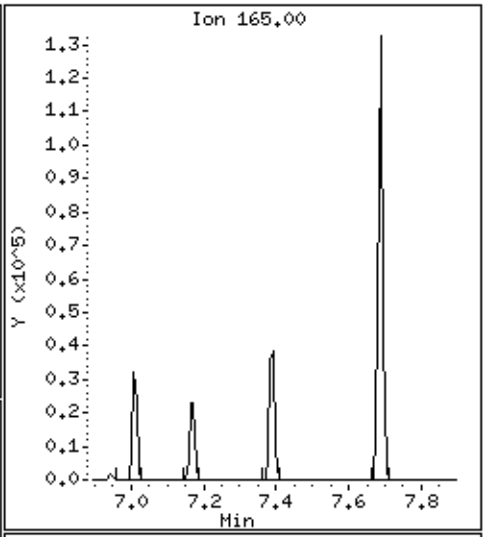
Operator: MJ

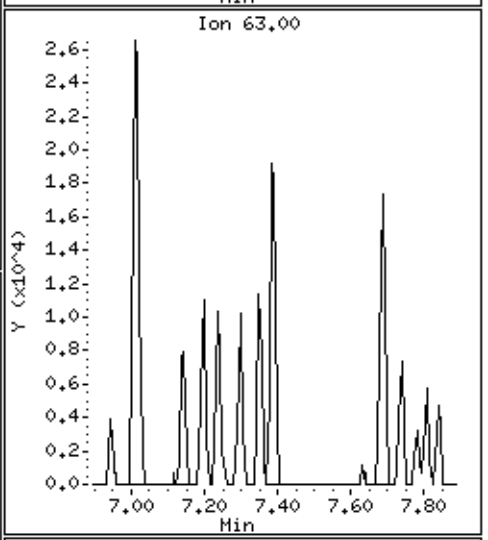
Column phase: HPMS-5 Column diameter: 0.25

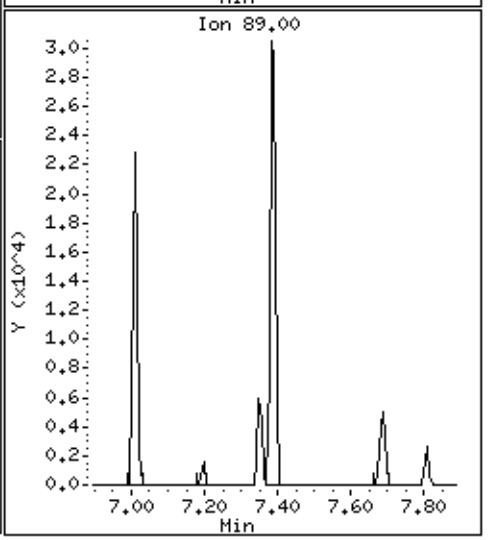
76 2,4-Dinitrotoluene Concentration: 20.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

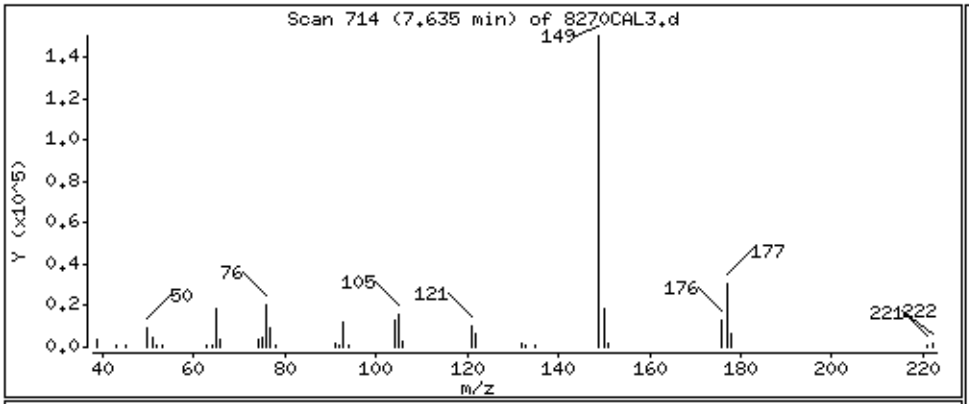
Operator: MJ

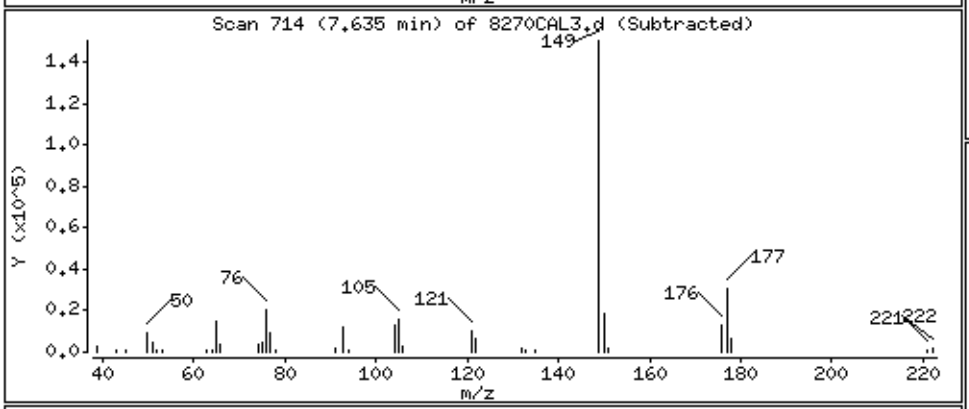
Column phase: HPMS-5

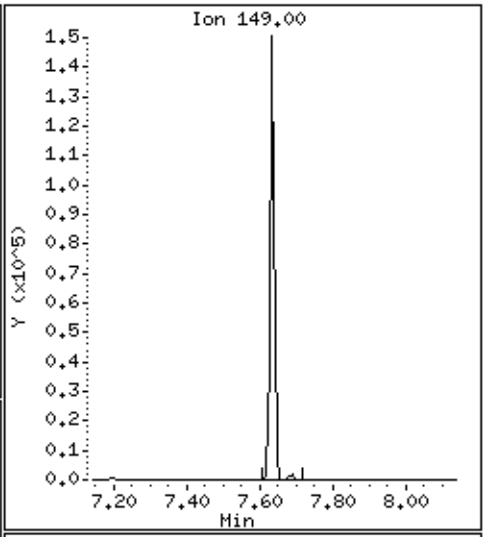
Column diameter: 0.25

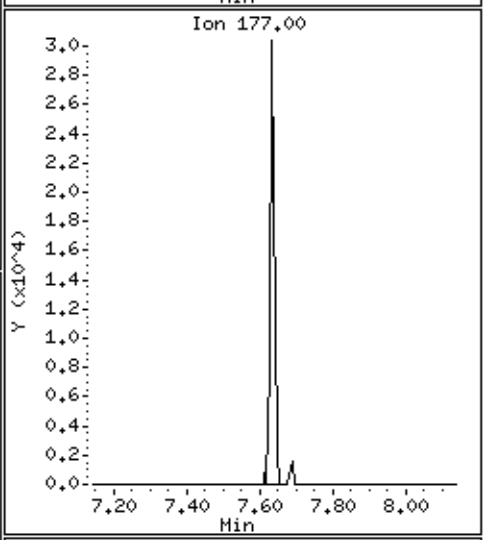
80 Diethylphthalate

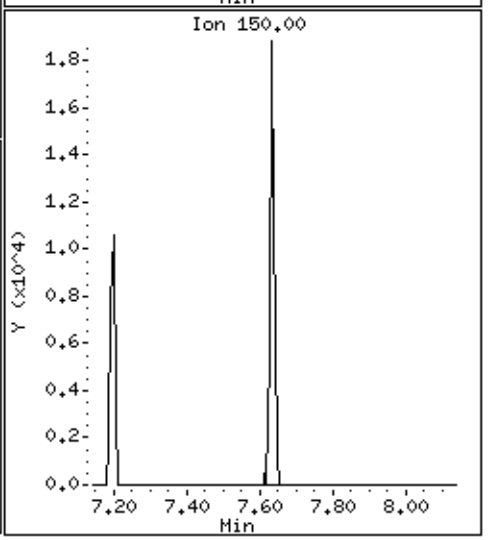
Concentration: 19.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

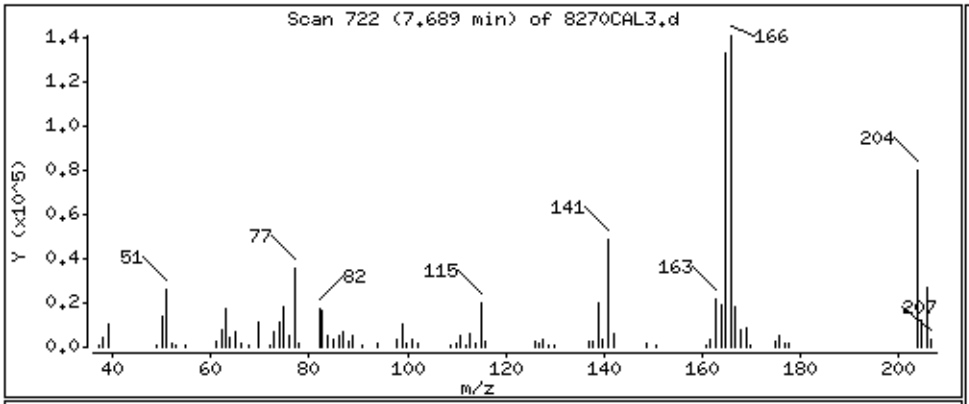
Operator: MJ

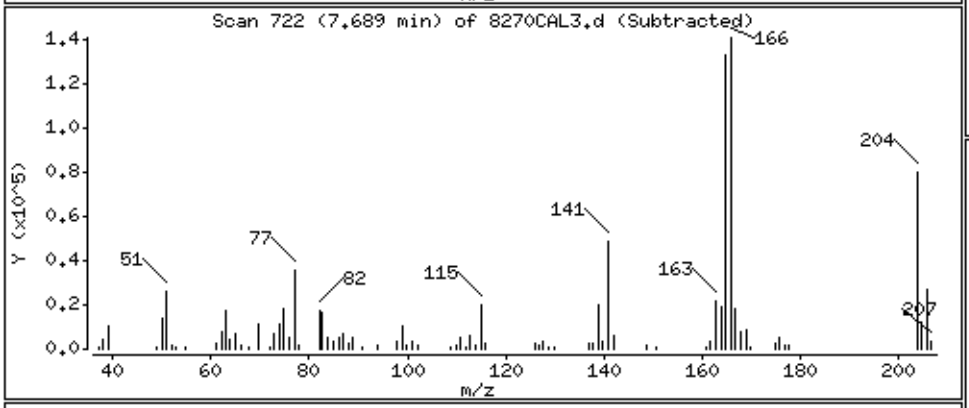
Column phase: HPMS-5

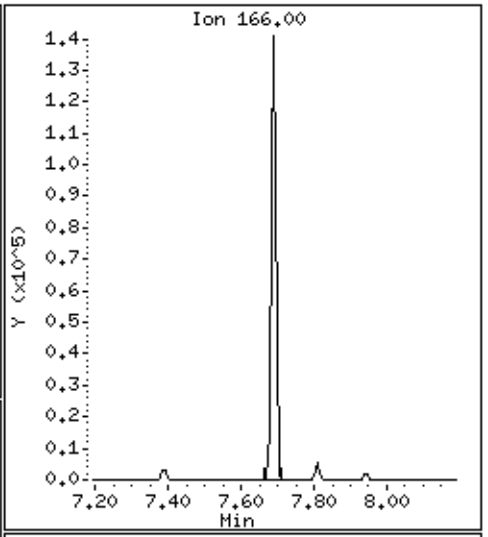
Column diameter: 0.25

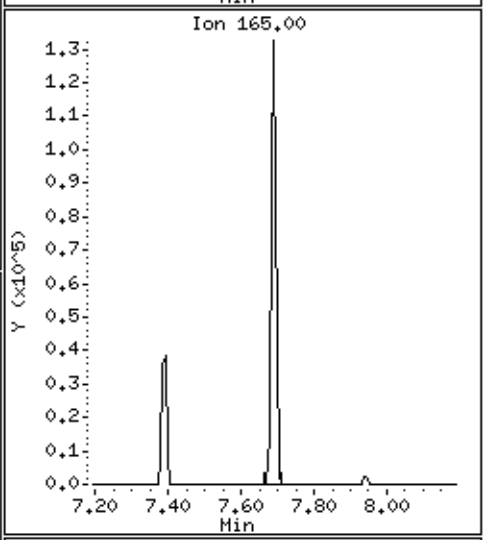
81 Fluorene

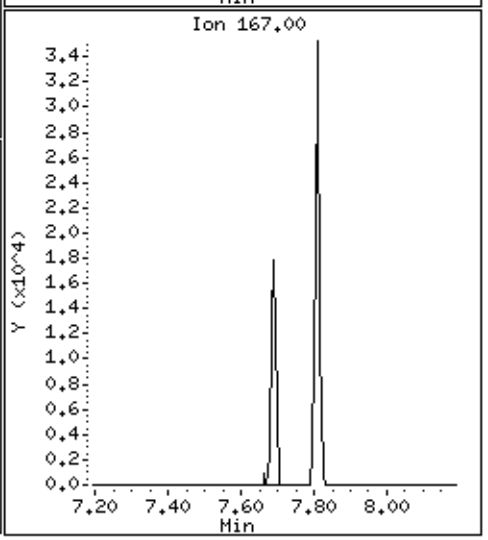
Concentration: 18.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

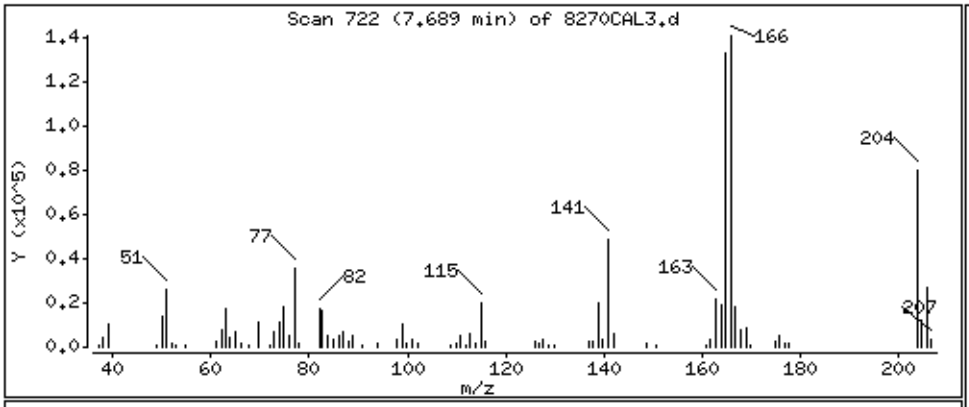
Operator: MJ

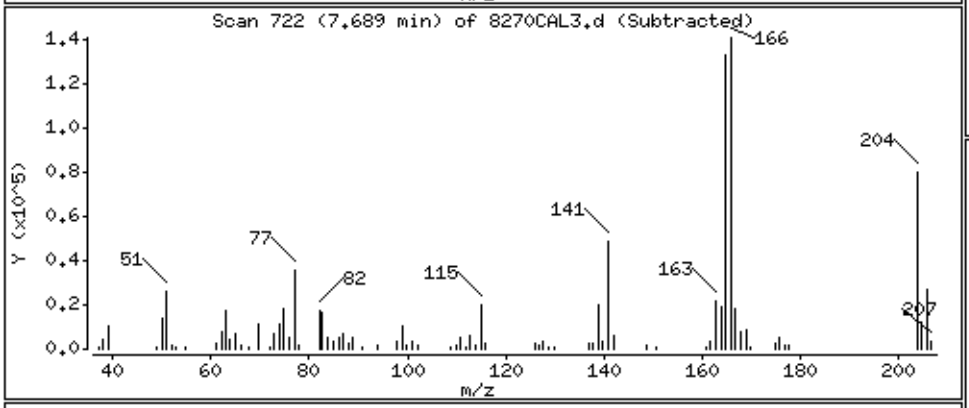
Column phase: HPMS-5

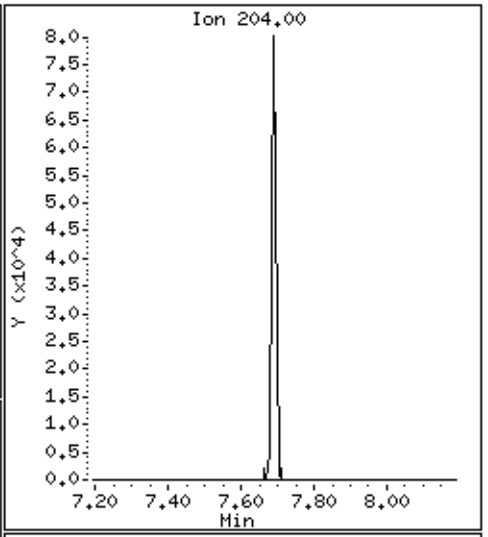
Column diameter: 0.25

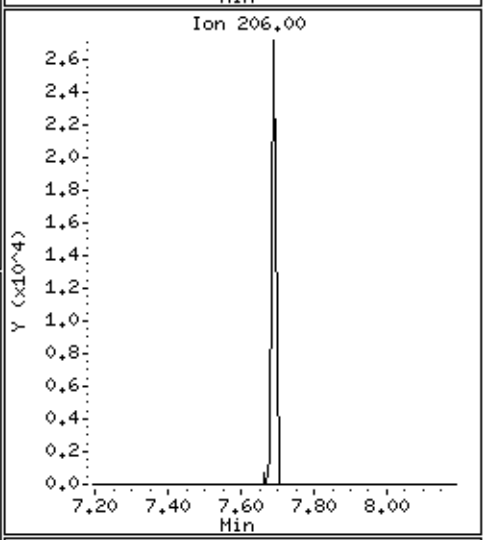
82 4-Chlorophenyl-phenylether

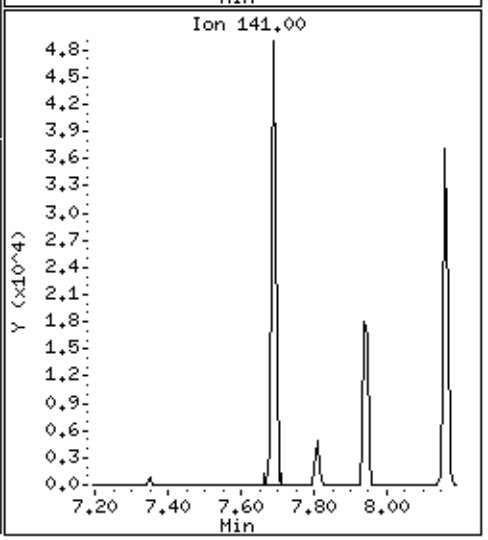
Concentration: 18.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

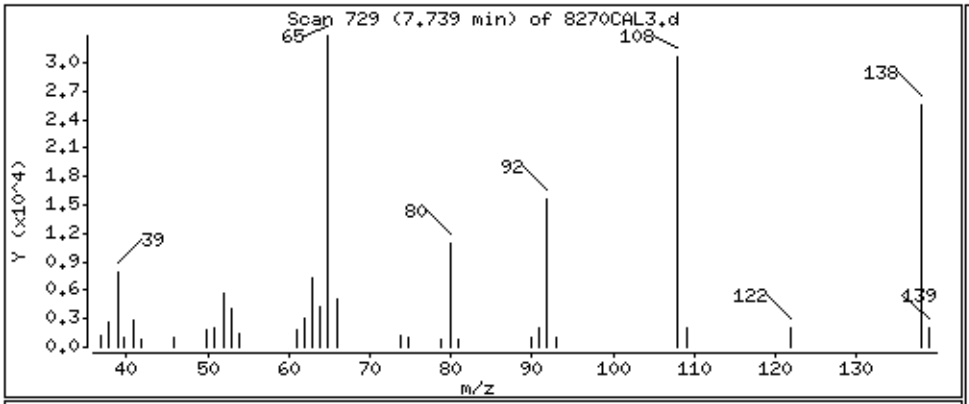
Operator: MJ

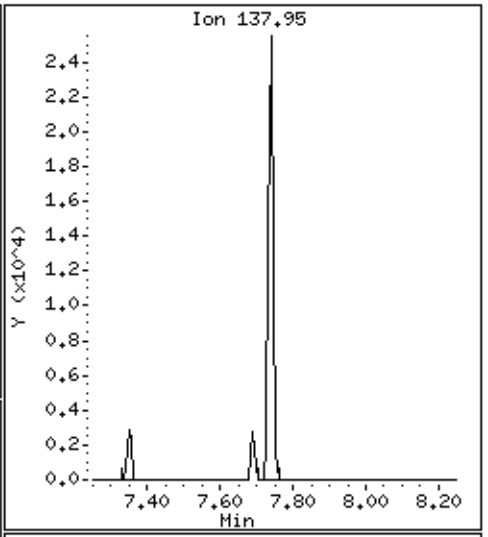
Column phase: HPMS-5

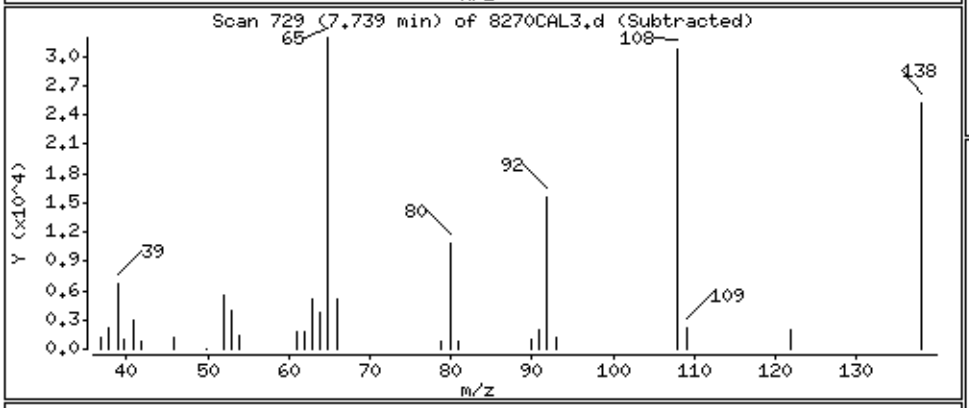
Column diameter: 0.25

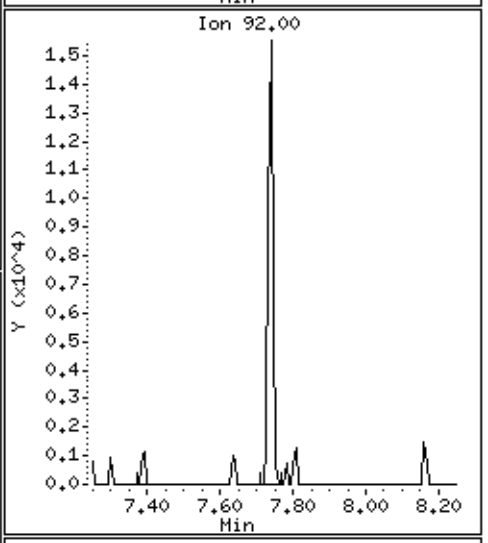
84 4-Nitroaniline

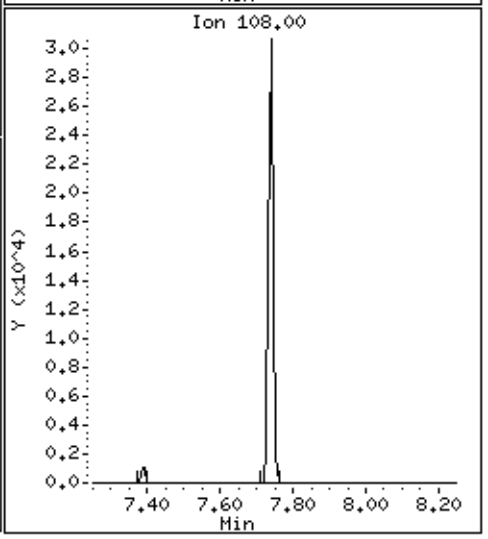
Concentration: 18.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

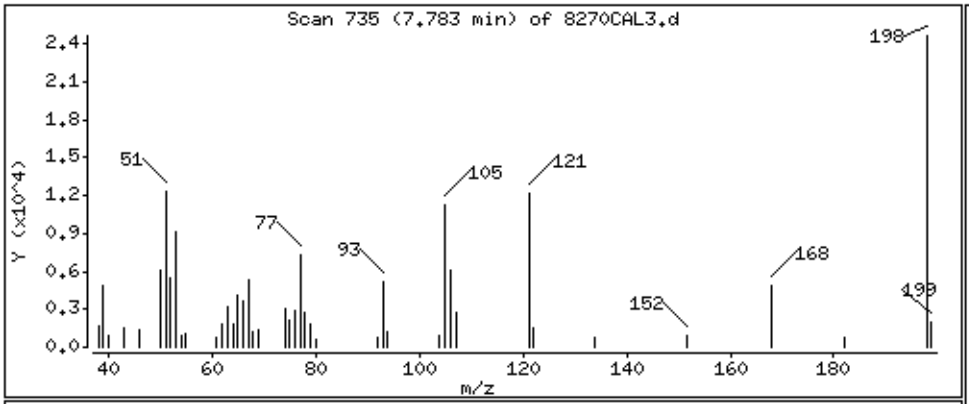
Operator: MJ

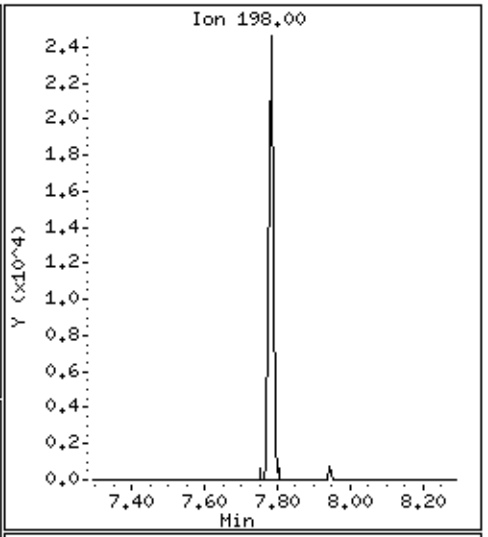
Column phase: HPMS-5

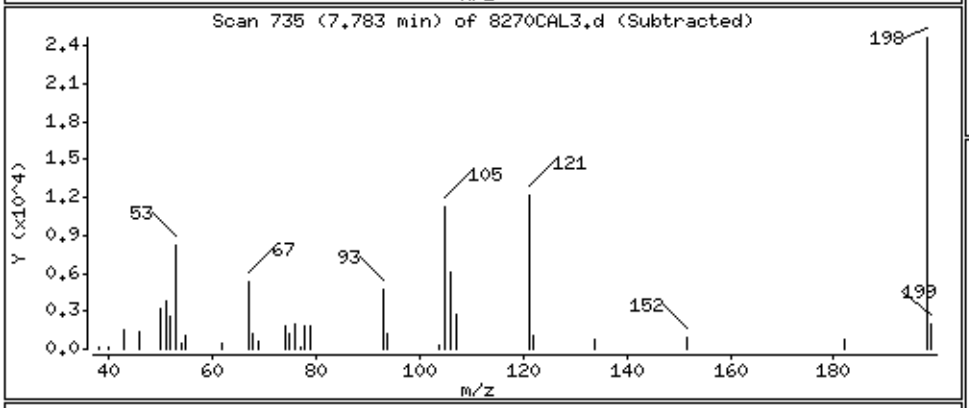
Column diameter: 0.25

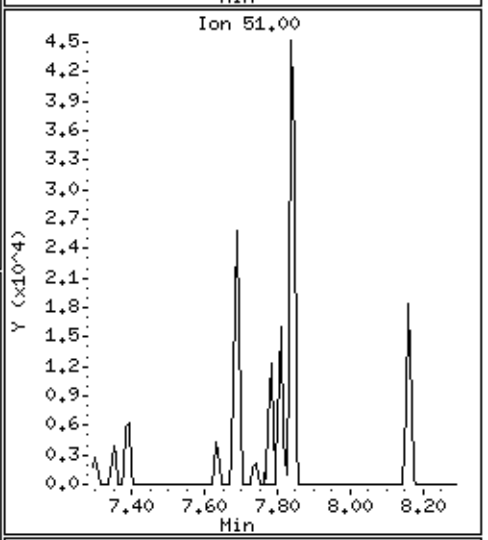
85 4,6-Dinitro-2-methylphenol

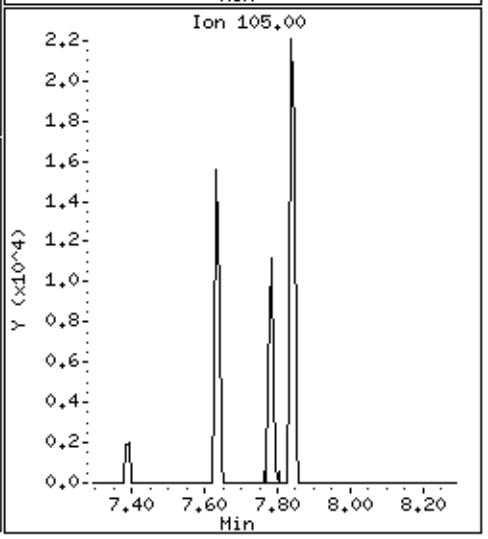
Concentration: 15.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

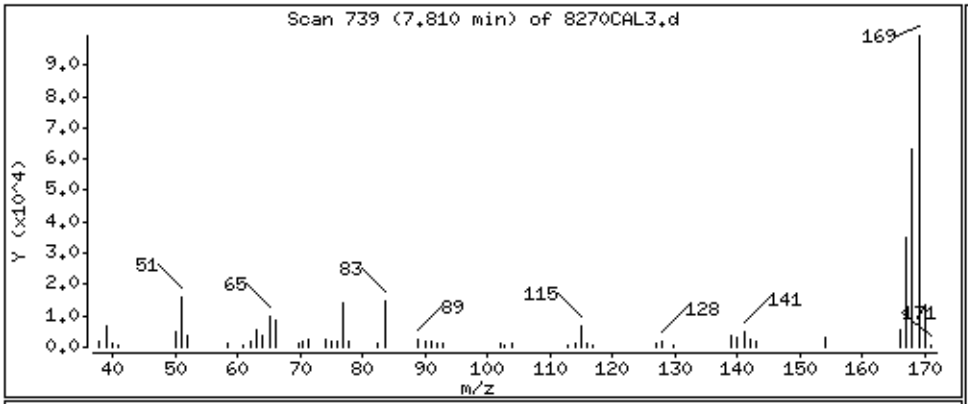
Operator: MJ

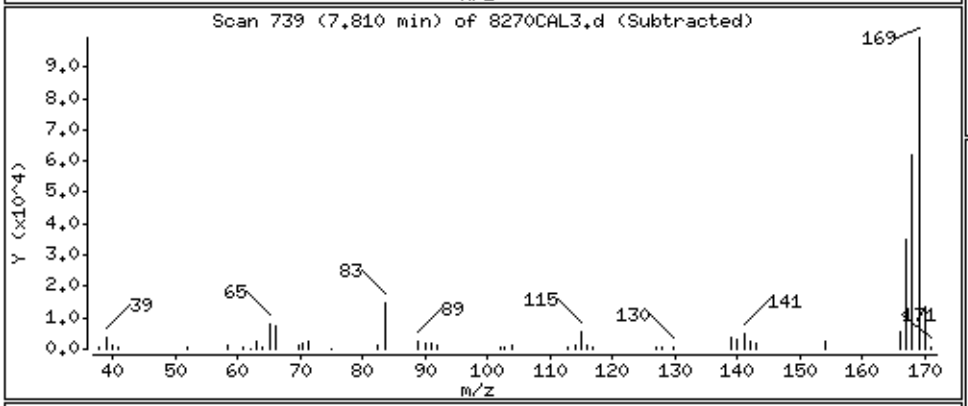
Column phase: HPMS-5

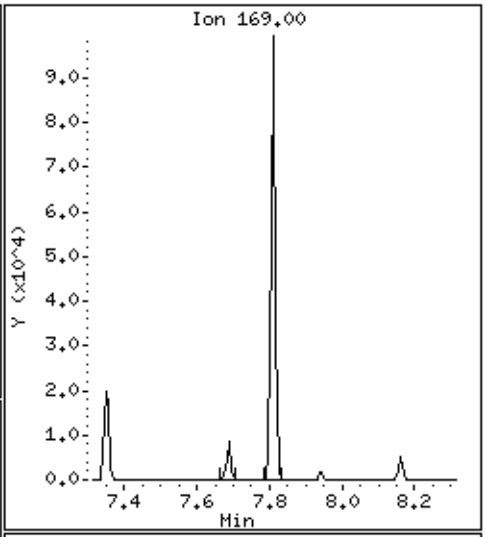
Column diameter: 0.25

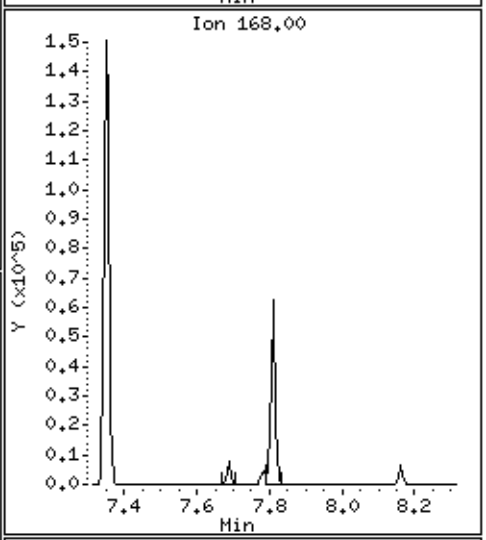
86 N-Nitrosodiphenylamine

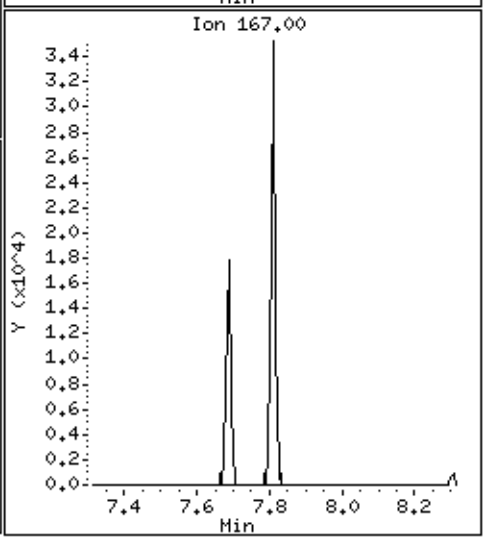
Concentration: 19.4 ug/kg











Date : 15-NOV-2012 00:04

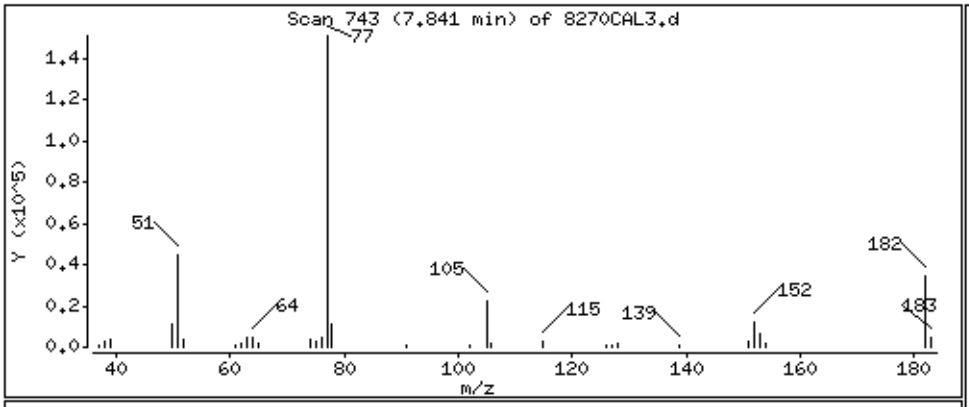
Client ID: 8270CAL3 Instrument: smsd04.i

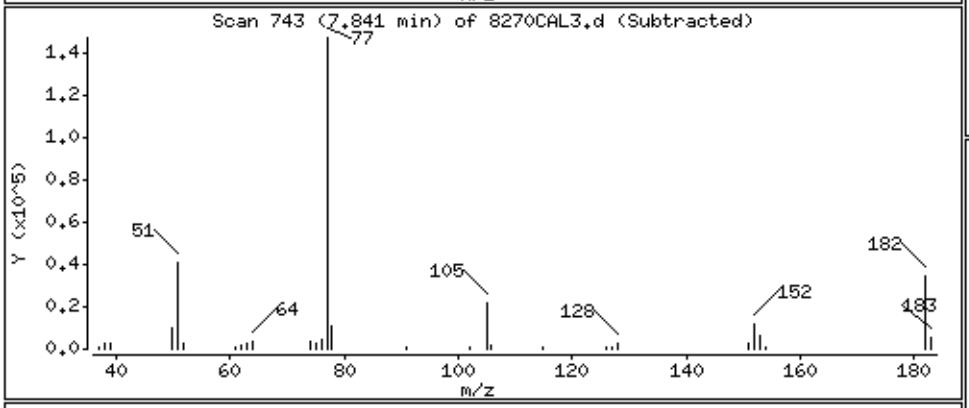
Sample Info: 47767

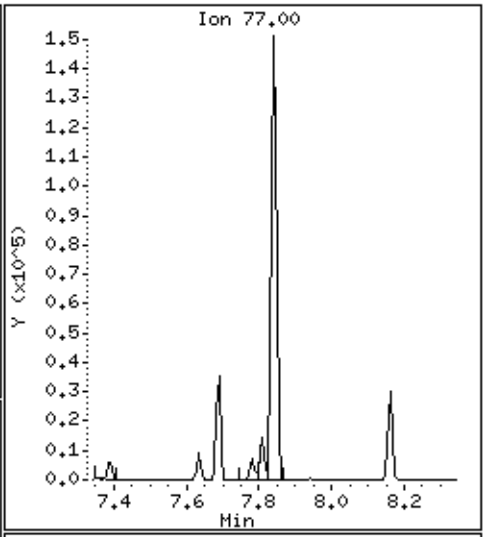
Operator: MJ

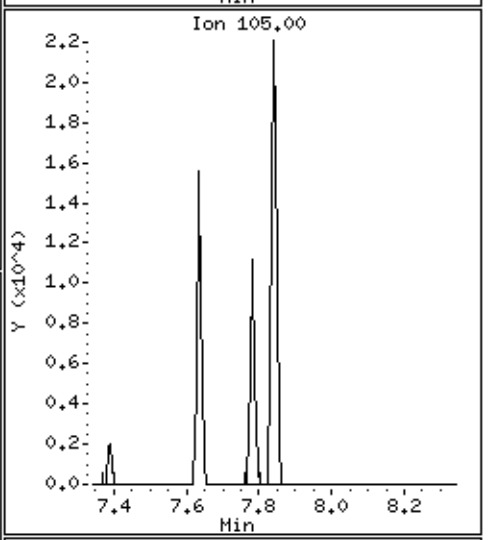
Column phase: HPMS-5 Column diameter: 0.25

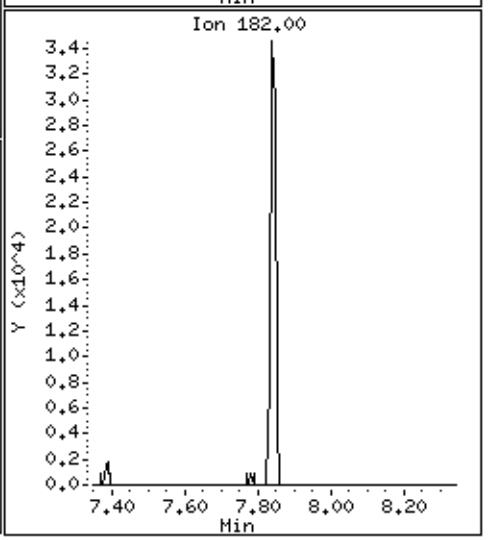
87 1,2-Diphenylhydrazine Concentration: 19.1 ug/kg











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Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

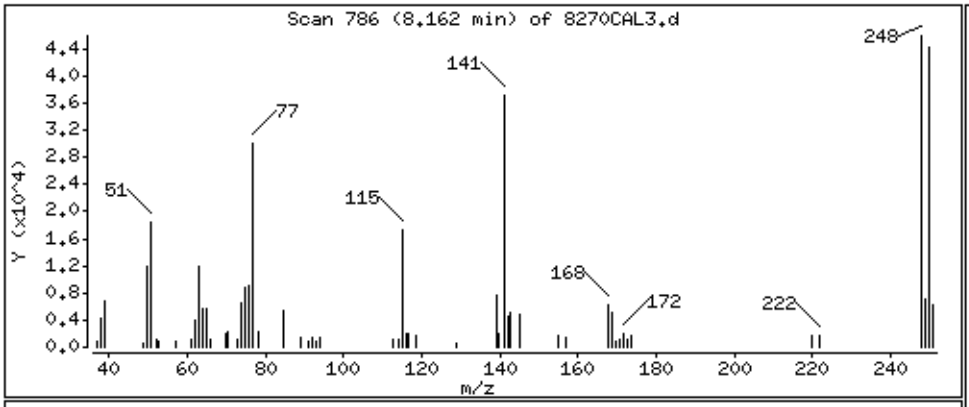
Operator: MJ

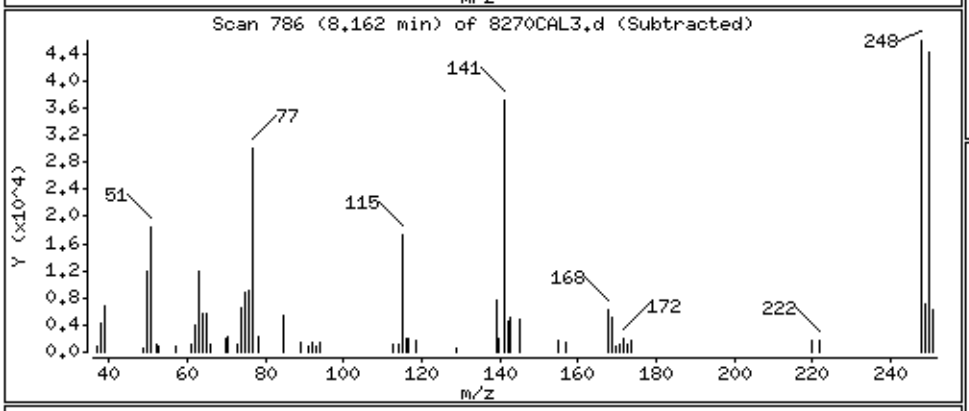
Column phase: HPMS-5

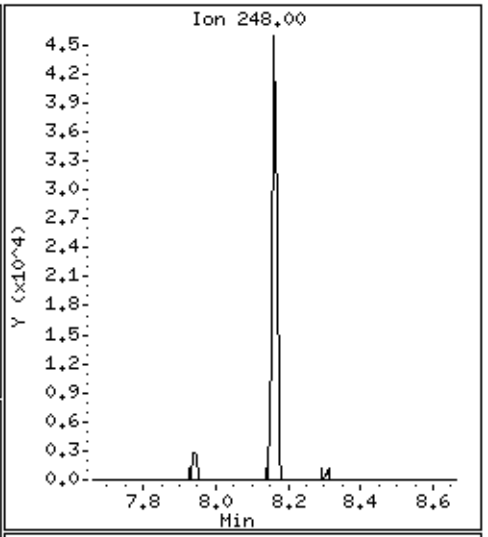
Column diameter: 0.25

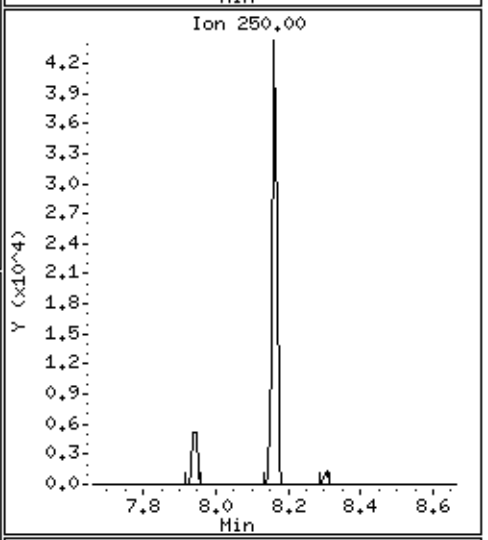
93 4-Bromophenylphenylether

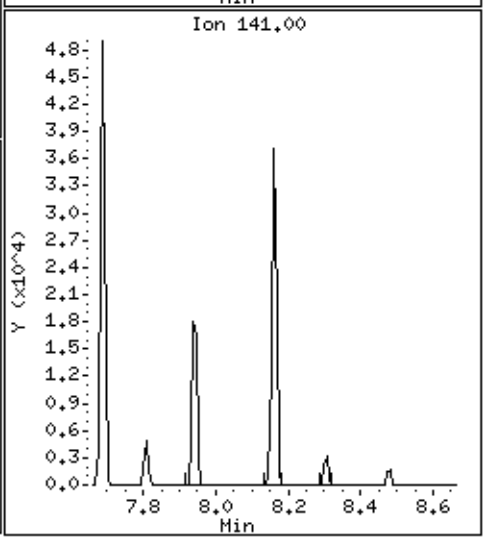
Concentration: 18.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

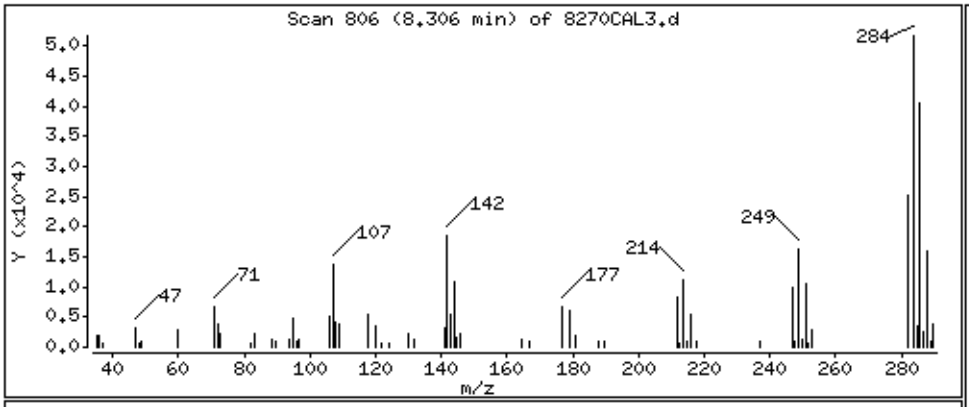
Operator: MJ

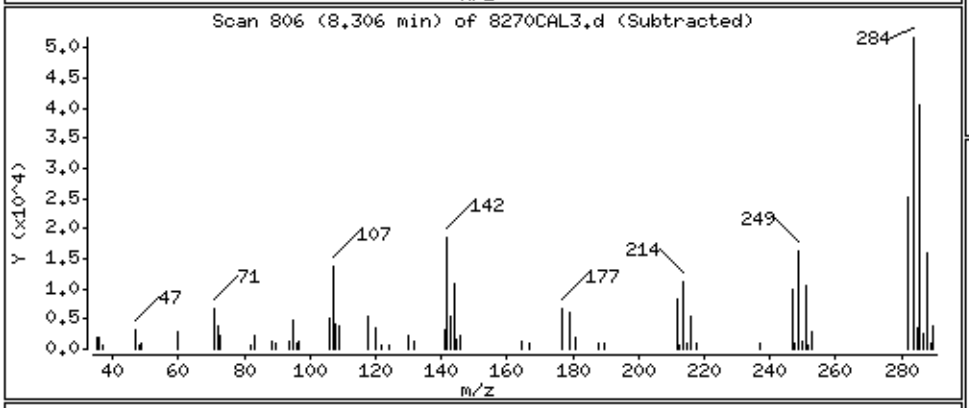
Column phase: HPMS-5

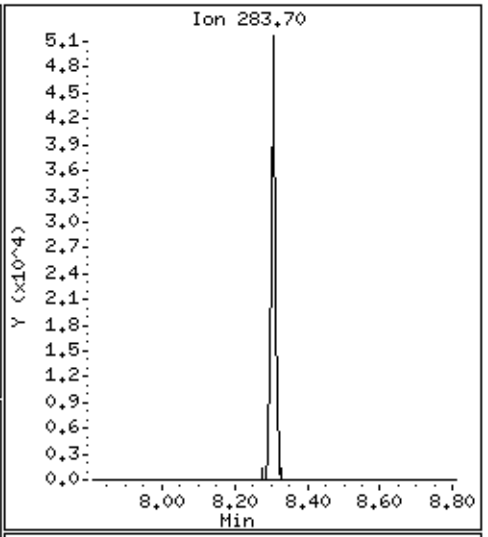
Column diameter: 0.25

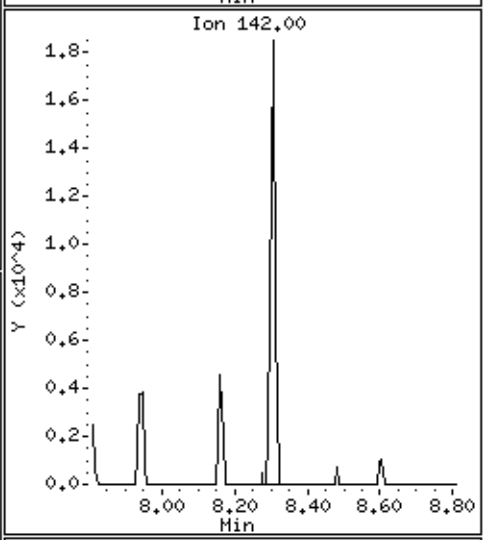
94 Hexachlorobenzene

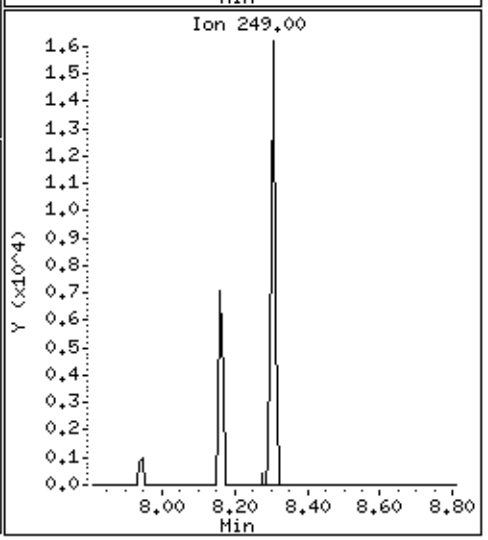
Concentration: 18.4 ug/kg











Date : 15-NOV-2012 00:04

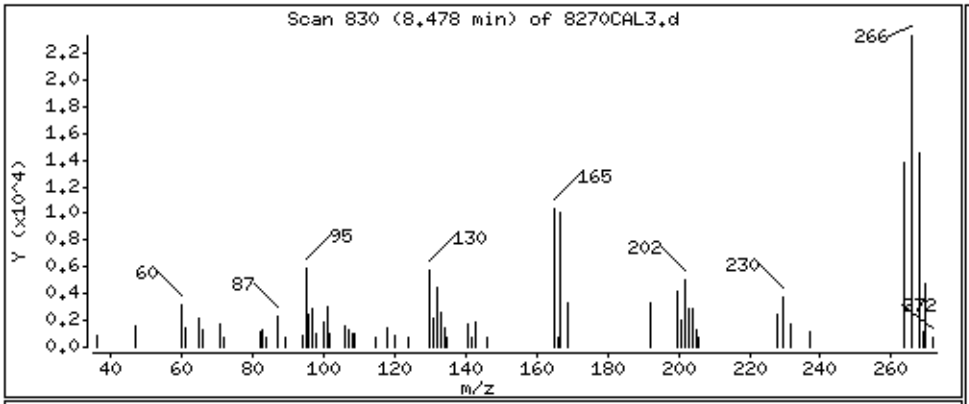
Client ID: 8270CAL3 Instrument: smsd04.i

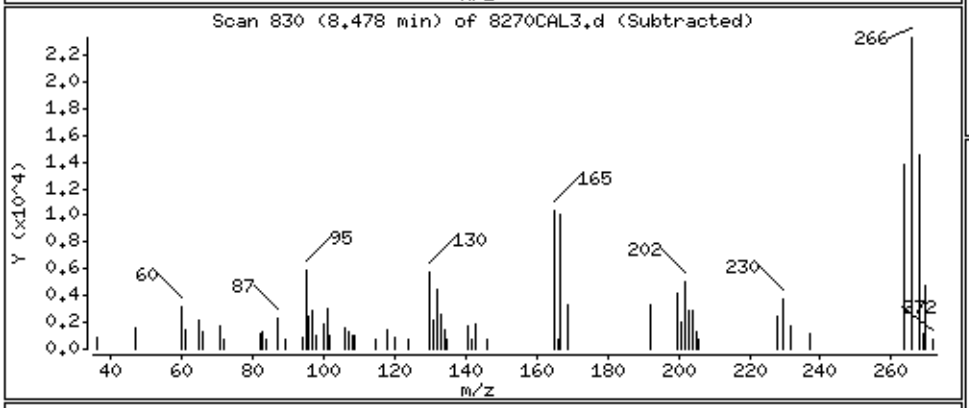
Sample Info: 47767

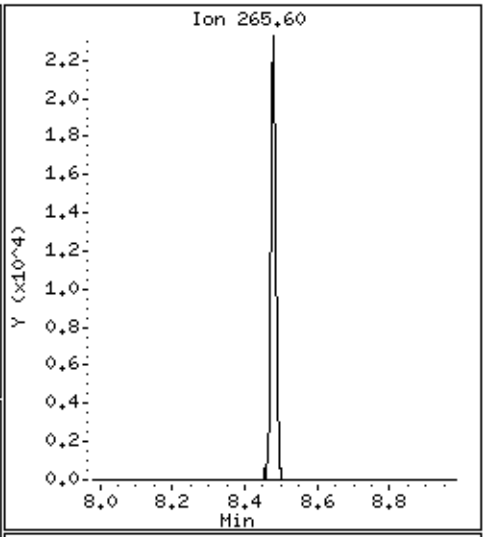
Operator: MJ

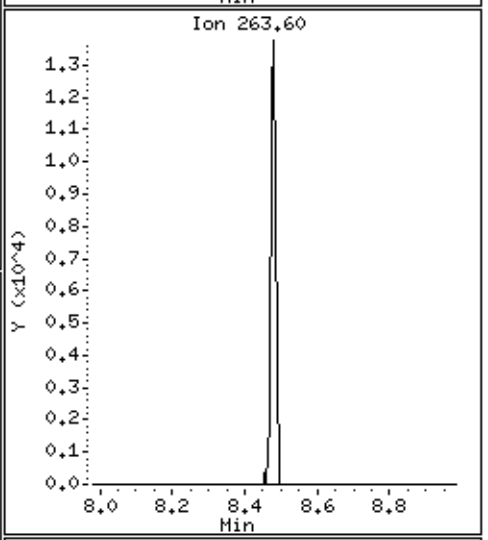
Column phase: HPMS-5 Column diameter: 0.25

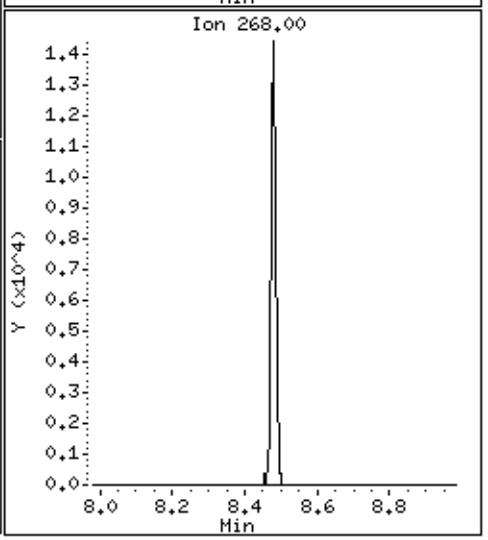
96 Pentachlorophenol Concentration: 21.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

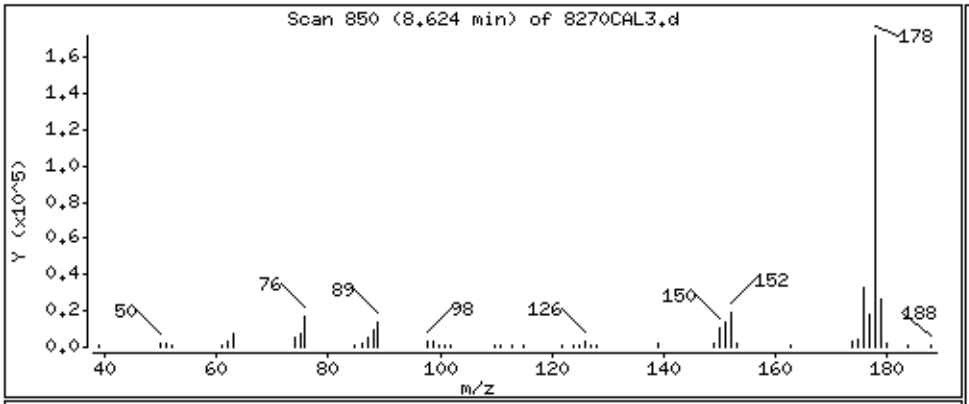
Operator: MJ

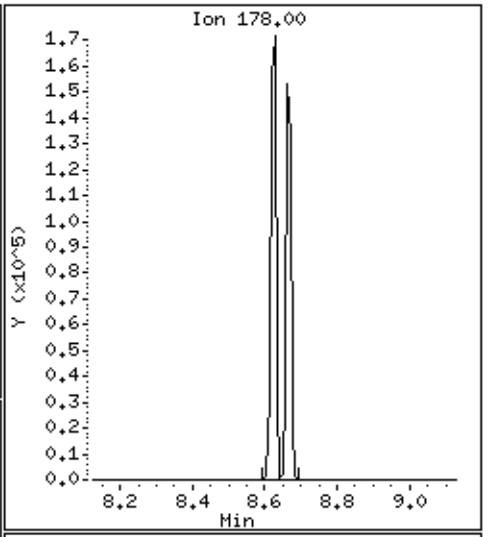
Column phase: HPMS-5

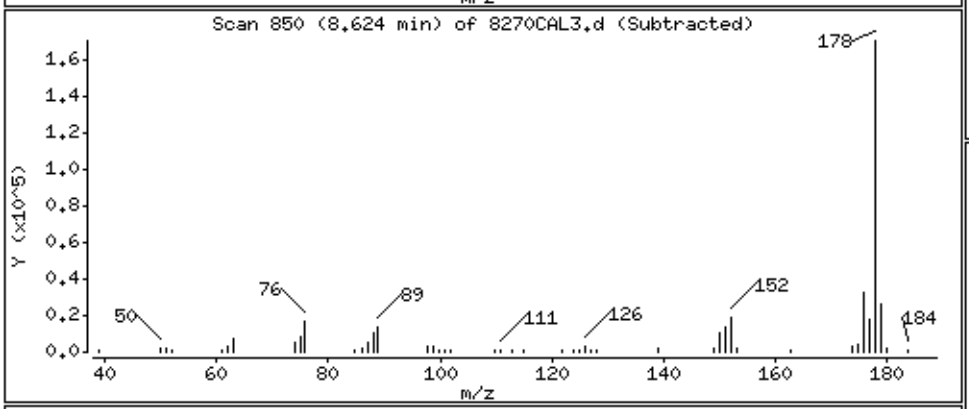
Column diameter: 0.25

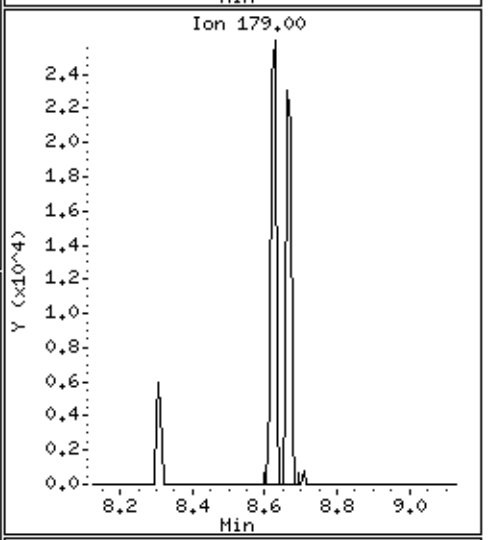
101 Phenanthrene

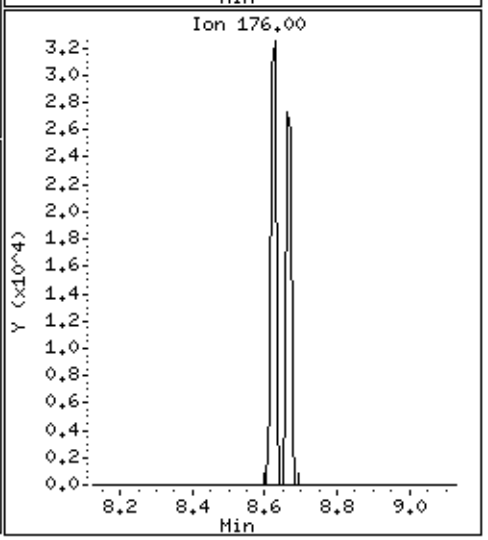
Concentration: 18.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

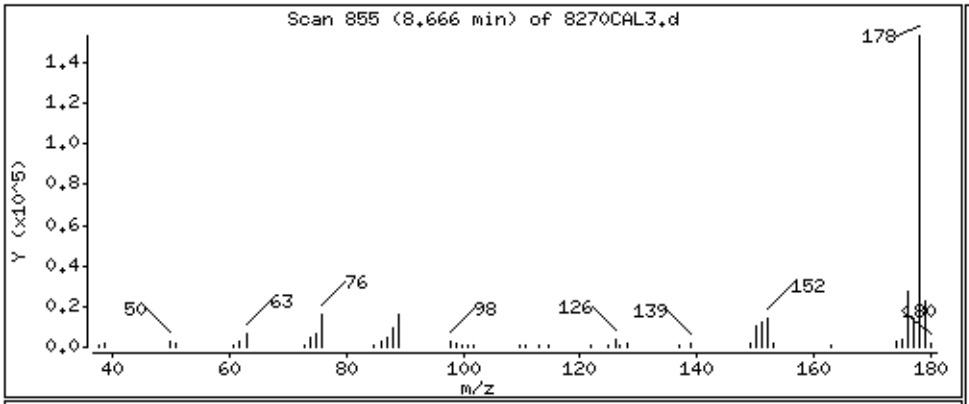
Operator: MJ

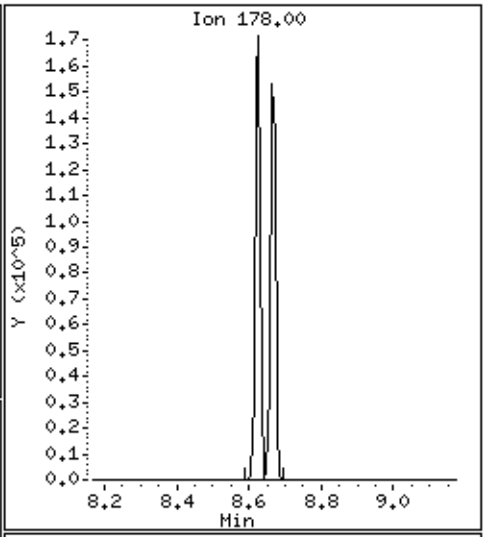
Column phase: HPMS-5

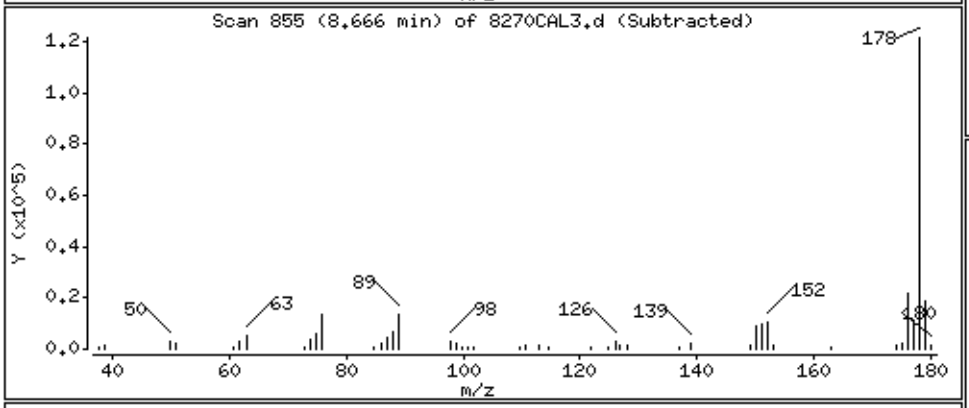
Column diameter: 0.25

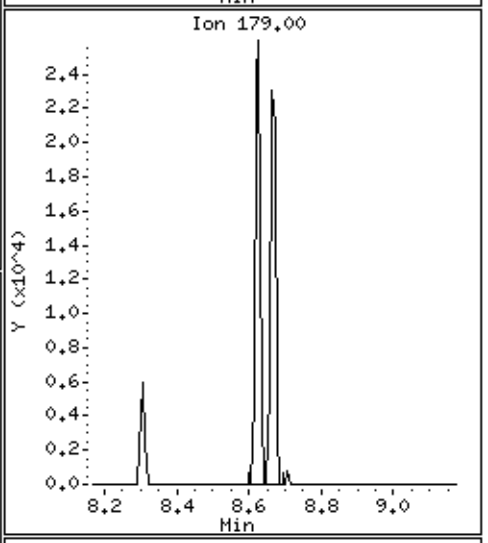
103 Anthracene

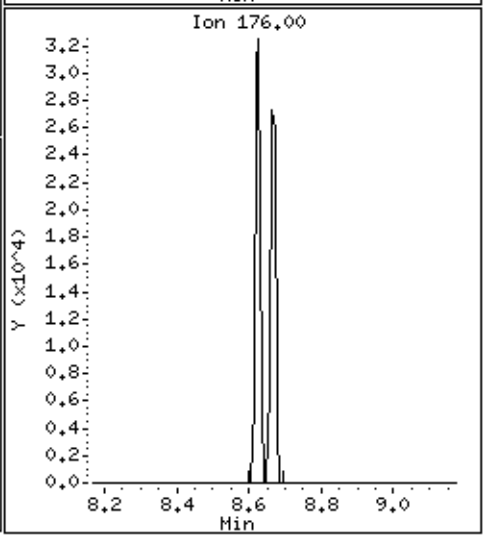
Concentration: 18.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

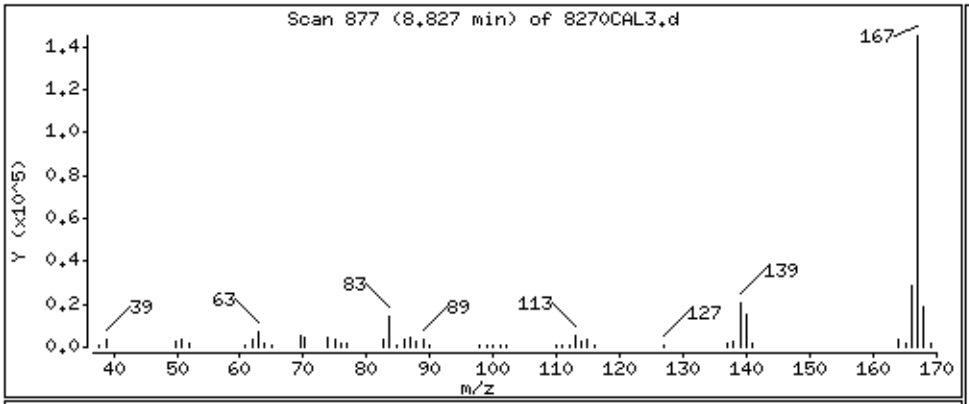
Operator: MJ

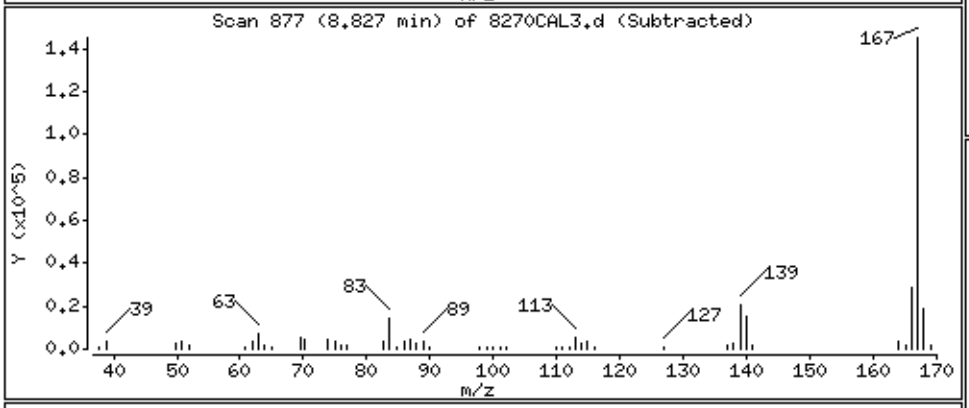
Column phase: HPMS-5

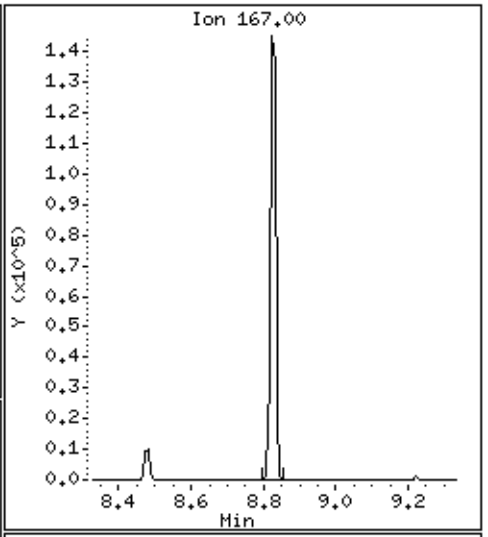
Column diameter: 0.25

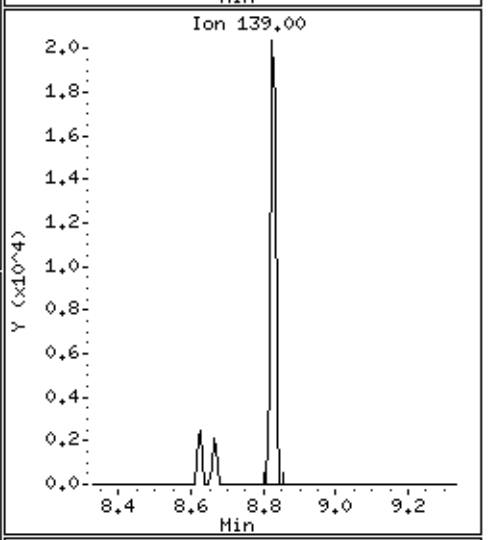
104 Carbazole

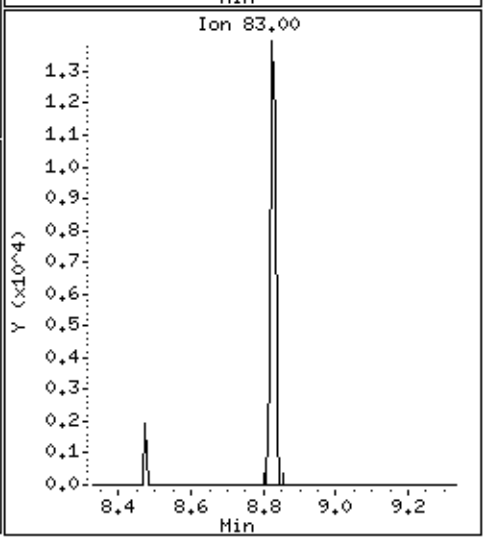
Concentration: 18.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

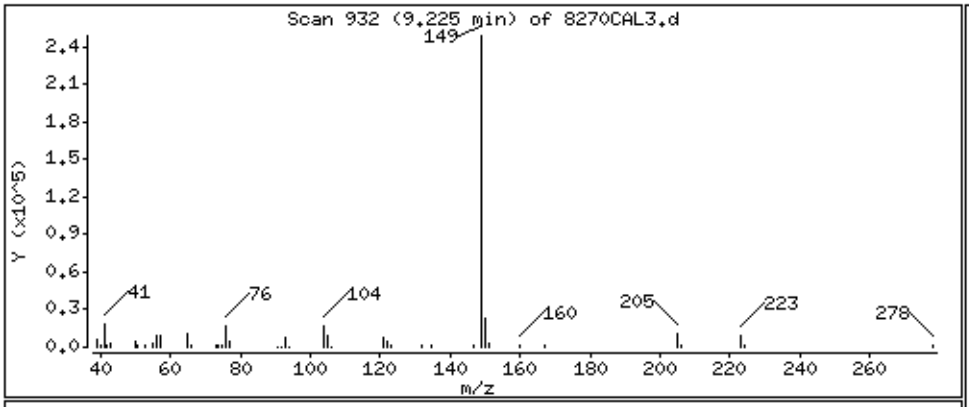
Operator: MJ

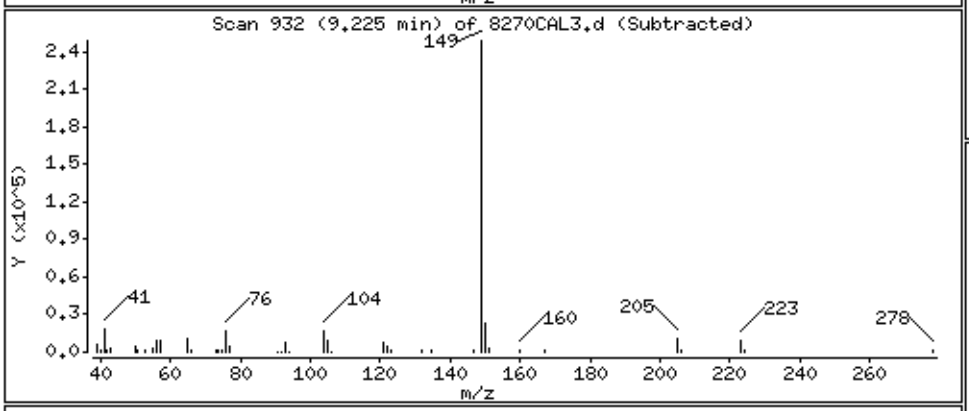
Column phase: HPMS-5

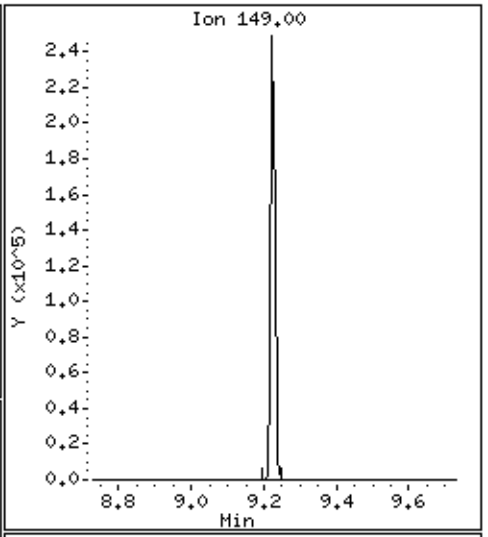
Column diameter: 0.25

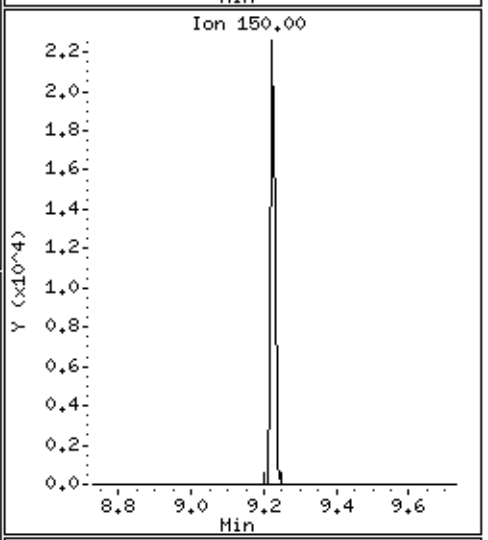
105 Di-n-butylphthalate

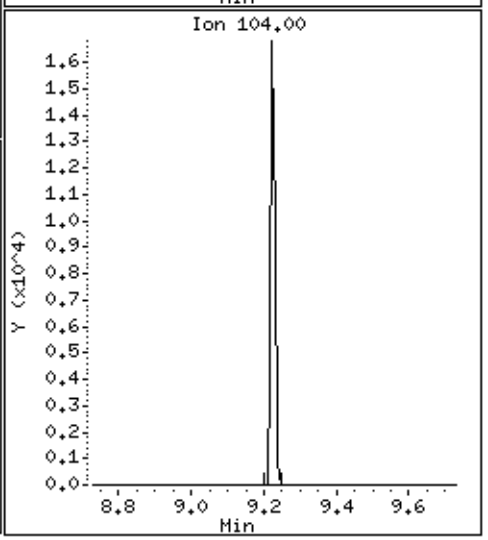
Concentration: 18.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

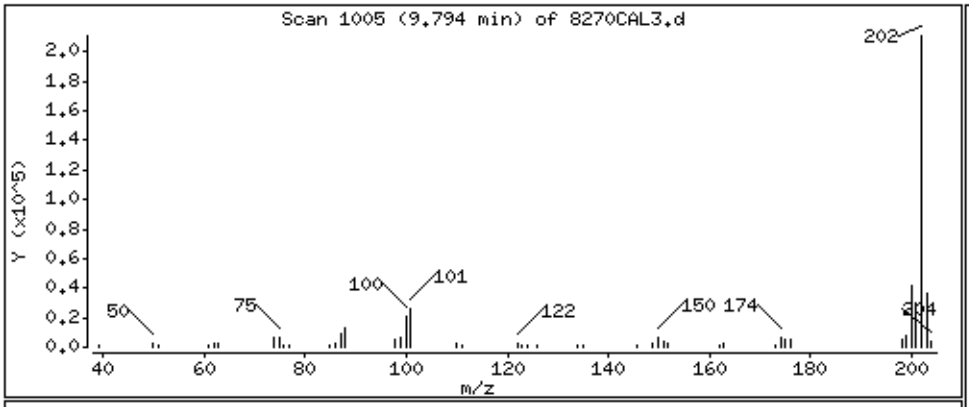
Operator: MJ

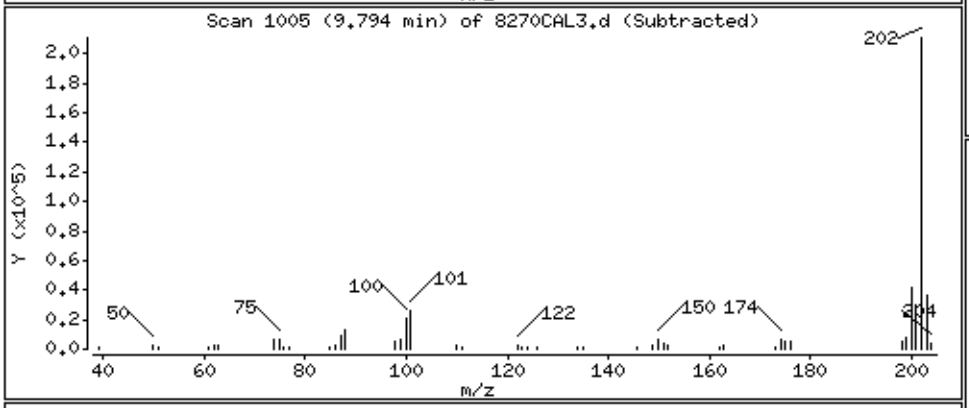
Column phase: HPMS-5

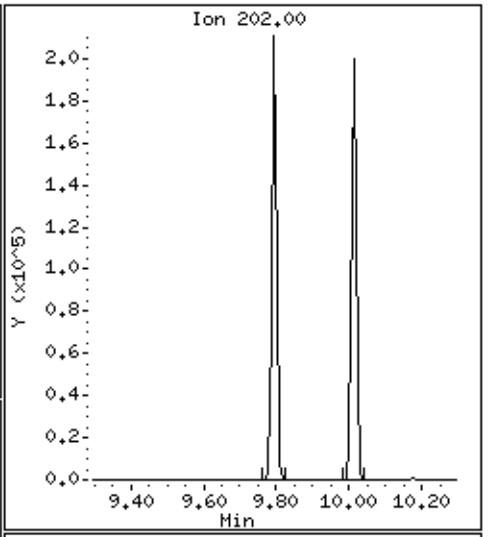
Column diameter: 0.25

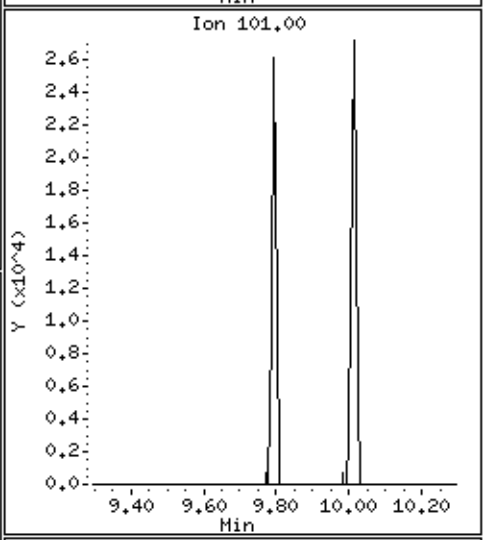
109 Fluoranthene

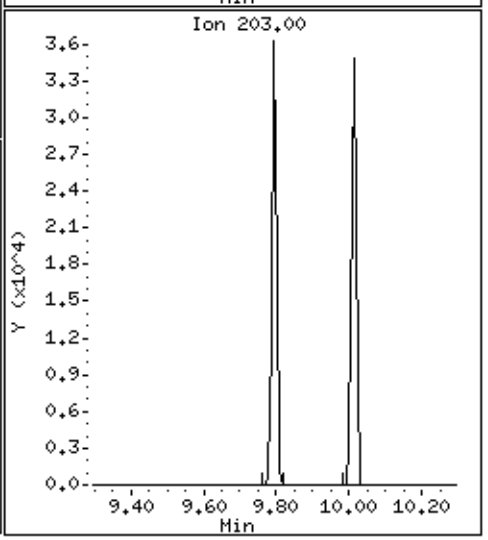
Concentration: 18.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

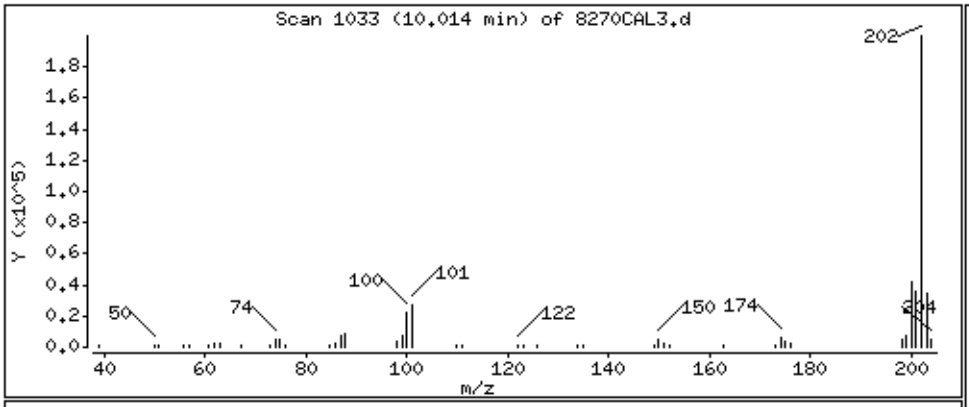
Operator: MJ

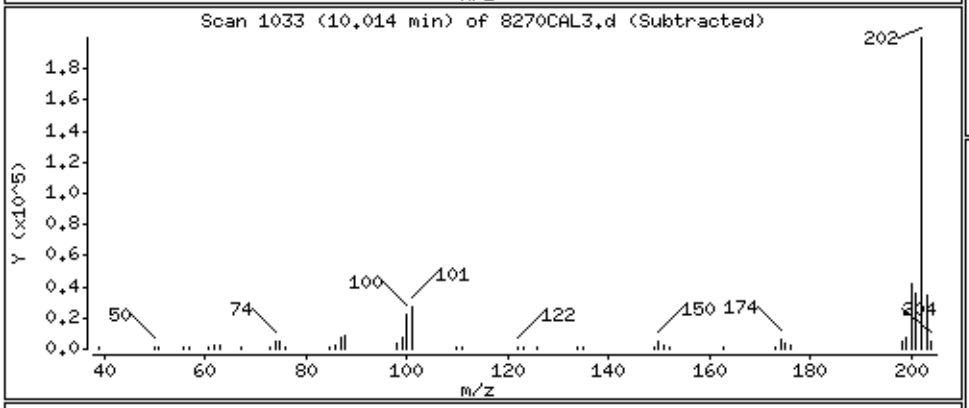
Column phase: HPMS-5

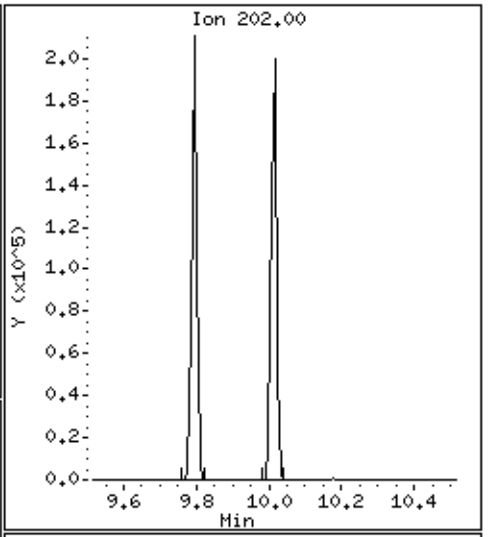
Column diameter: 0.25

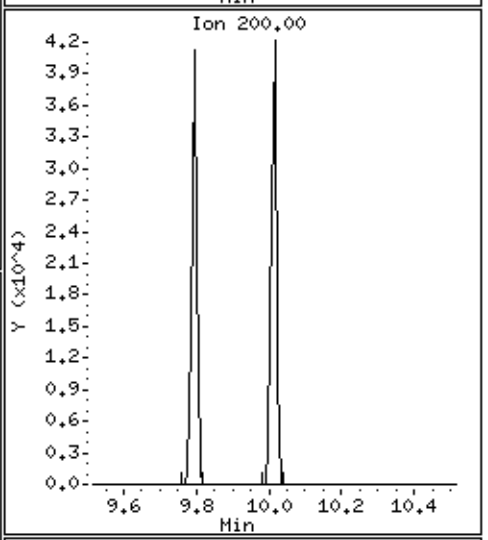
111 Pyrene

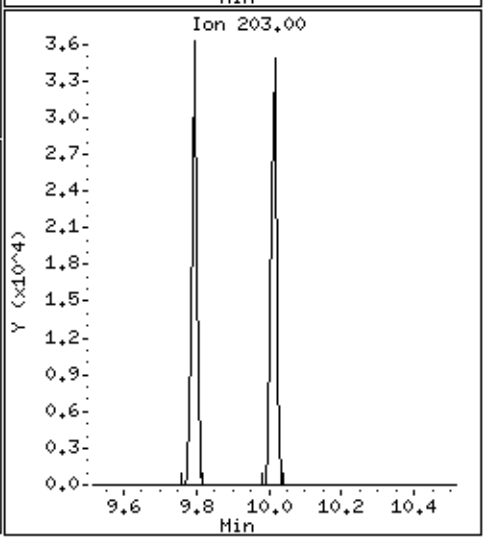
Concentration: 19.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

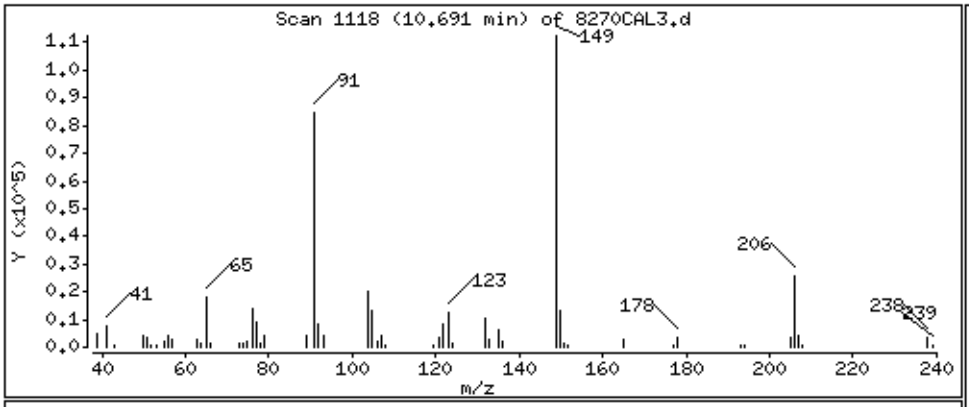
Operator: MJ

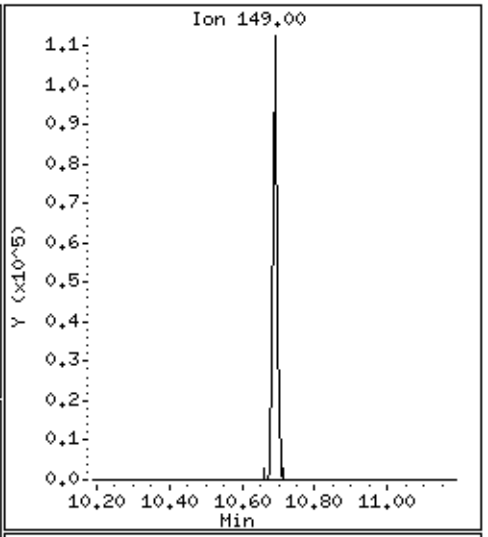
Column phase: HPMS-5

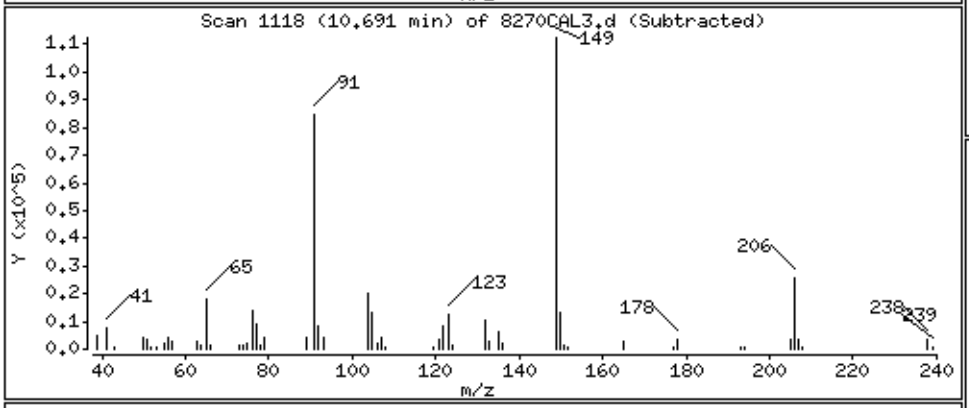
Column diameter: 0.25

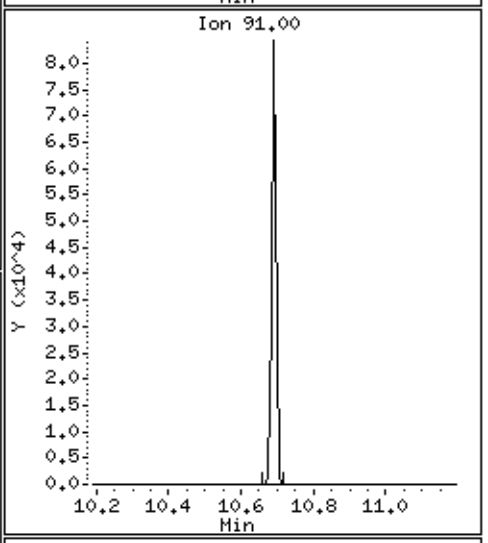
118 Butylbenzylphthalate

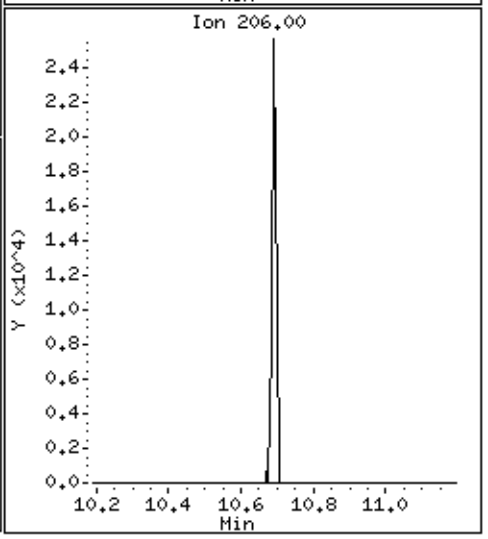
Concentration: 18.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

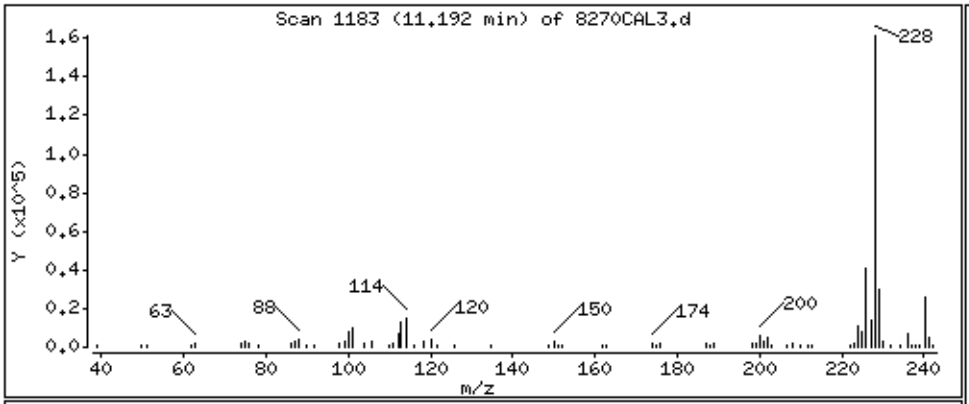
Operator: MJ

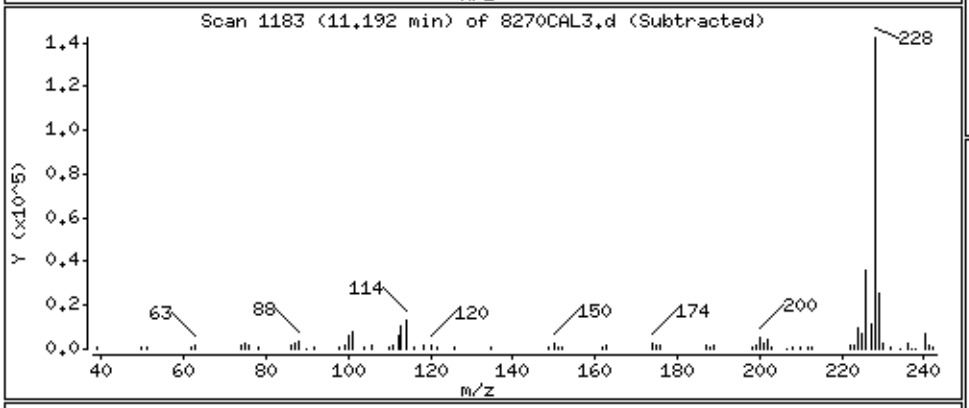
Column phase: HPMS-5

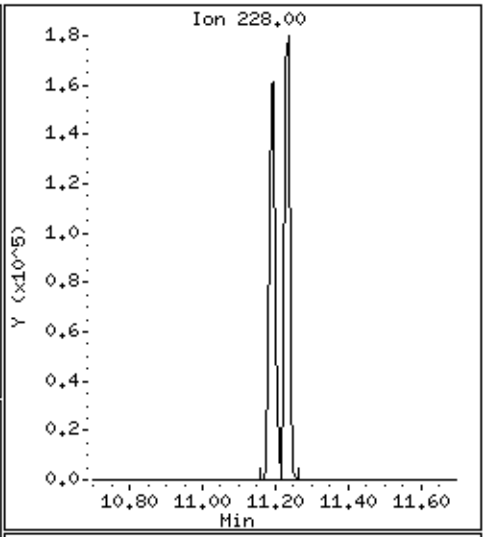
Column diameter: 0.25

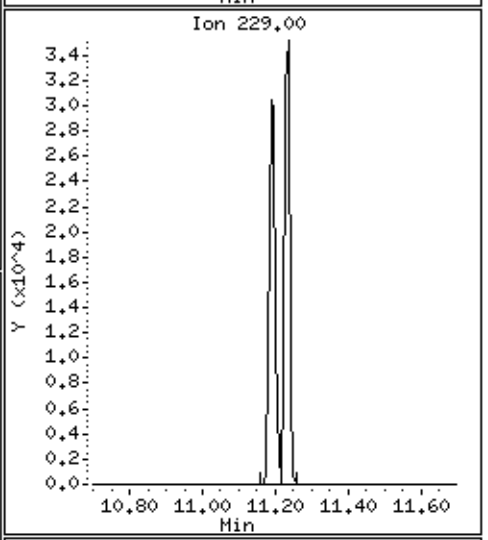
120 Benzo[a]anthracene

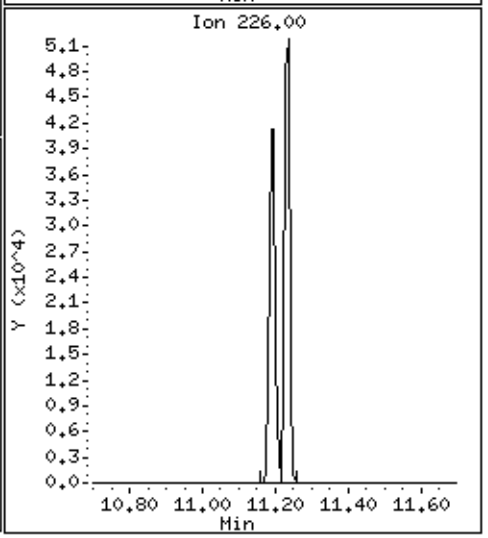
Concentration: 18.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

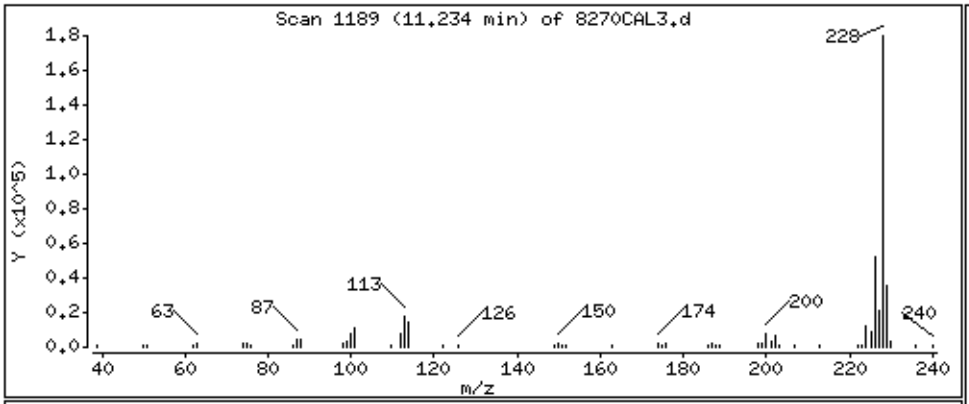
Operator: MJ

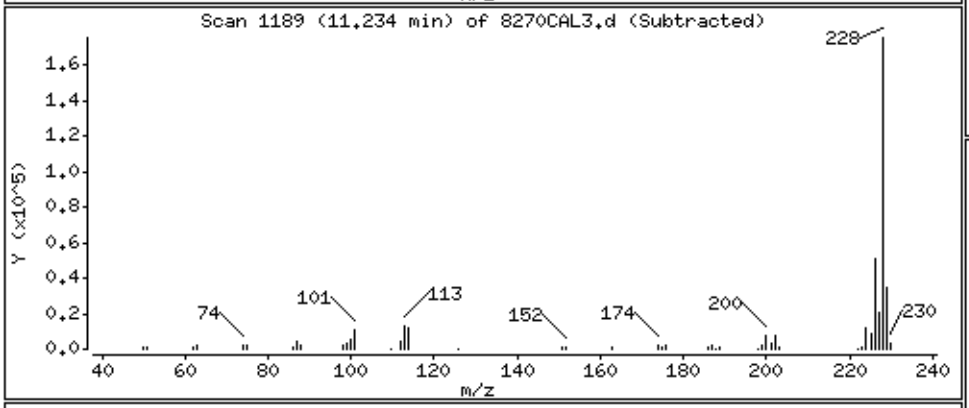
Column phase: HPMS-5

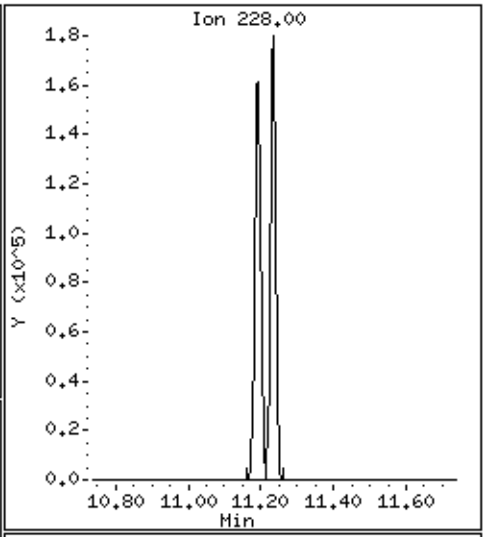
Column diameter: 0.25

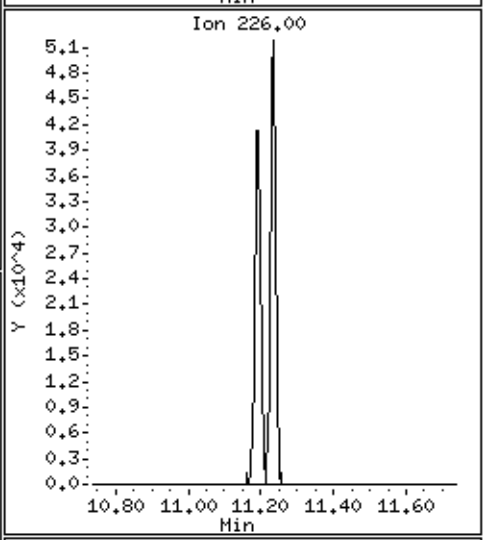
123 Chrysene

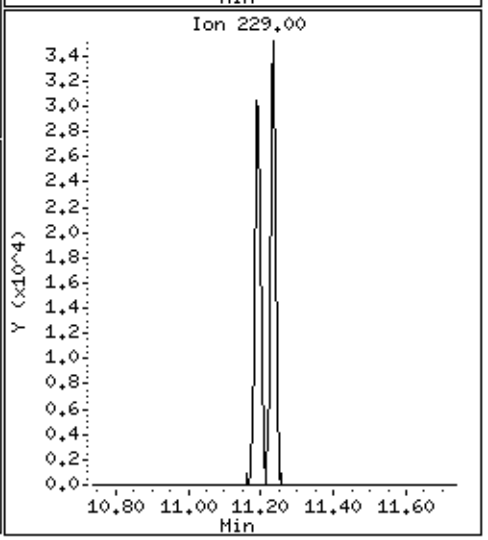
Concentration: 19.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

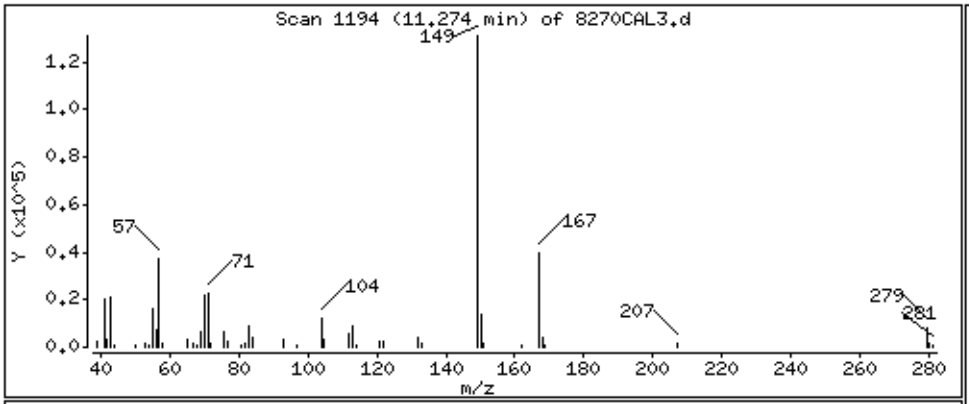
Operator: MJ

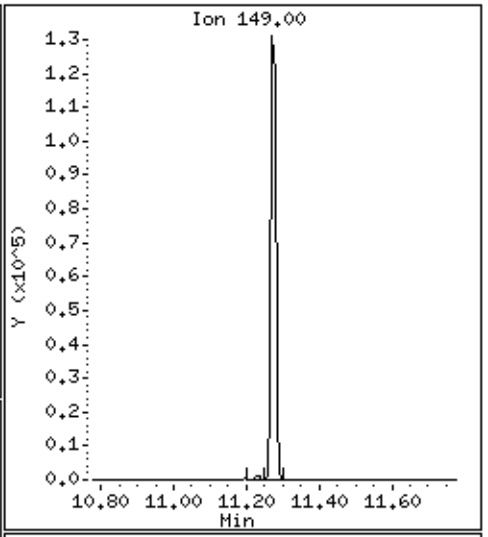
Column phase: HPMS-5

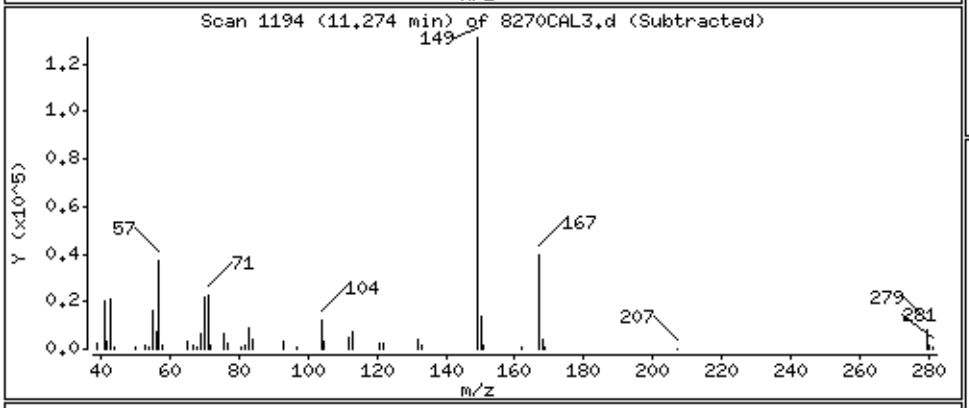
Column diameter: 0.25

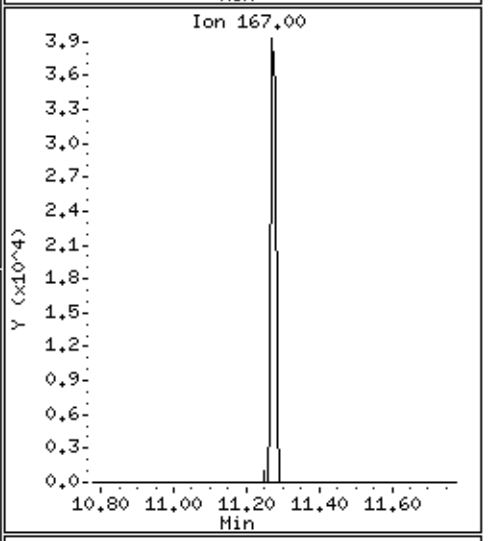
124 Bis-2-Ethylhexylphthalate

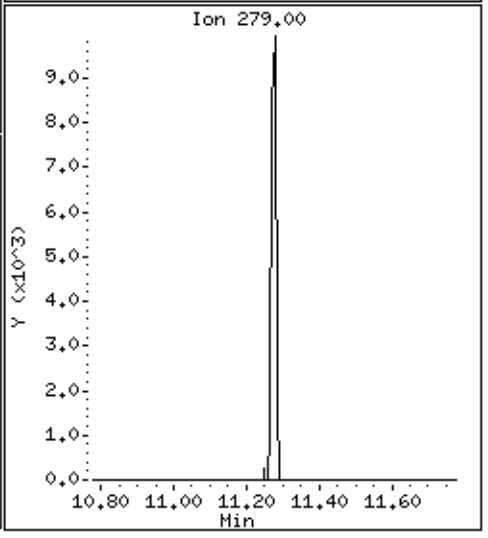
Concentration: 17.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

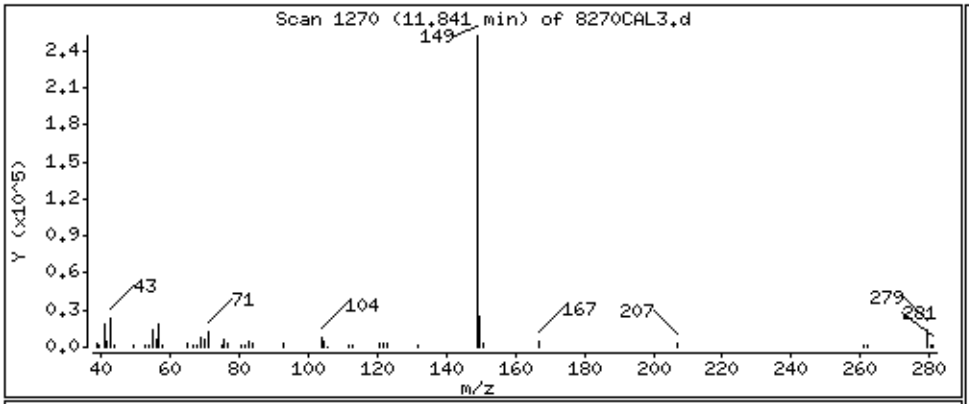
Operator: MJ

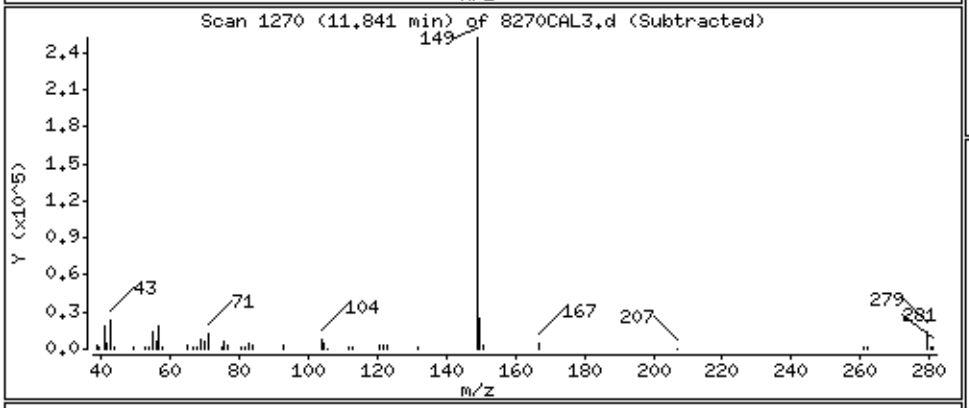
Column phase: HPMS-5

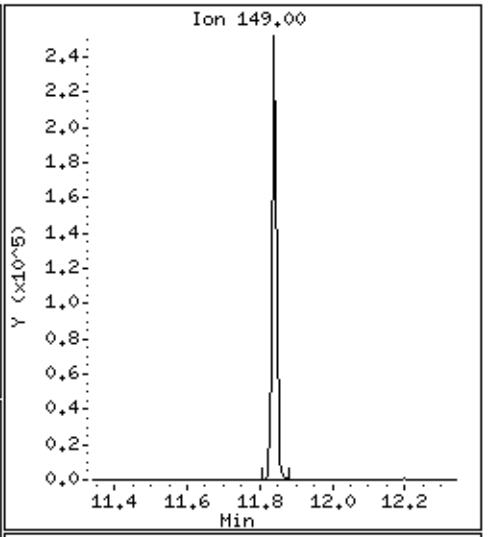
Column diameter: 0.25

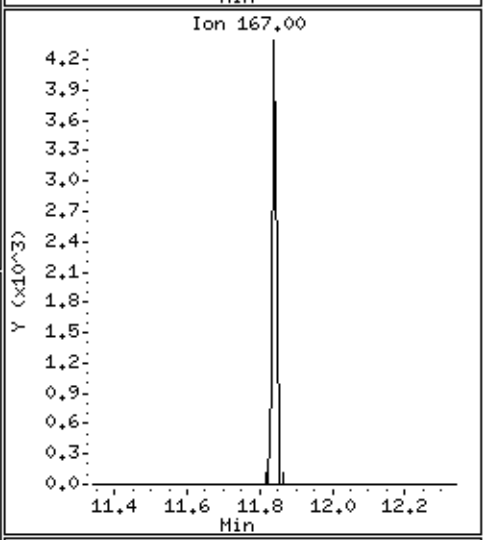
125 Di-n-octylphthalate

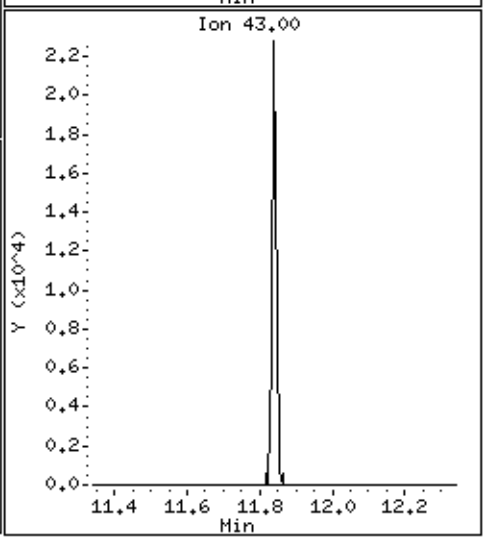
Concentration: 24.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

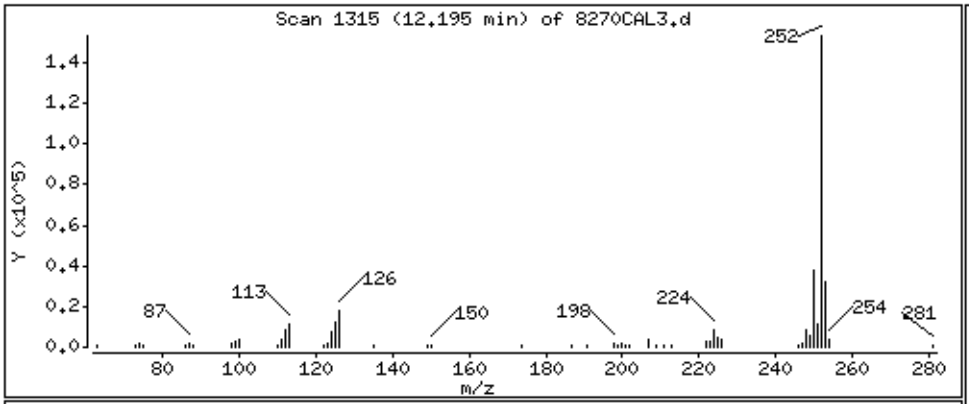
Operator: MJ

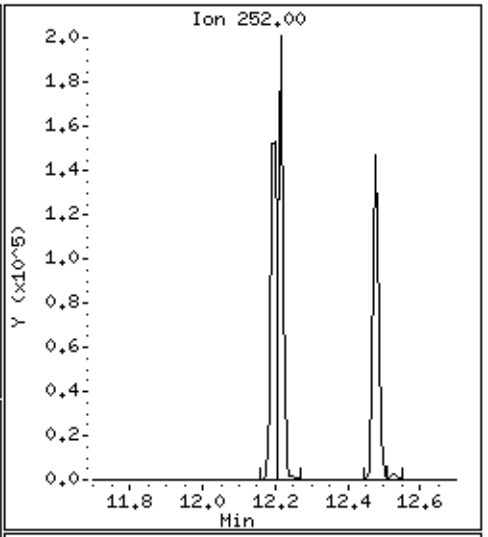
Column phase: HPMS-5

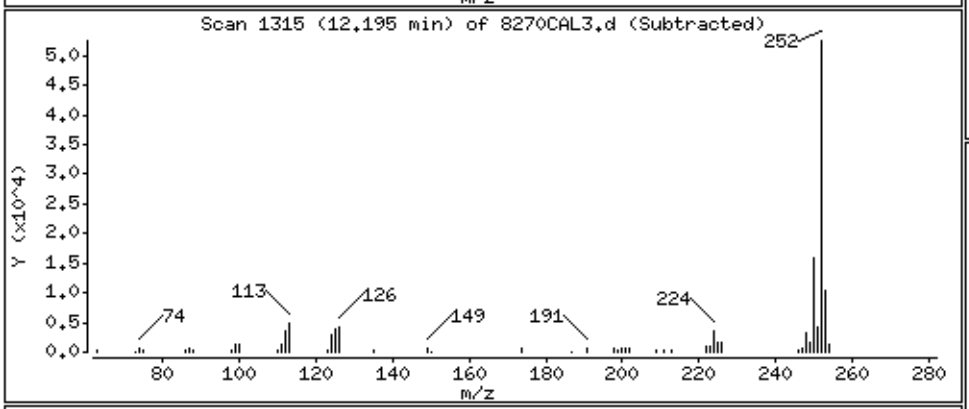
Column diameter: 0.25

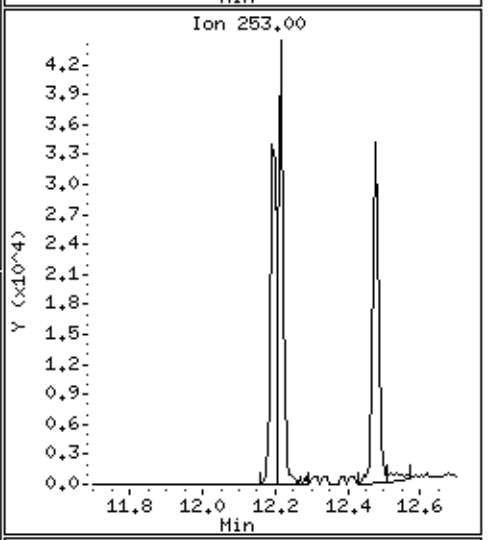
127 Benzo[b]fluoranthene

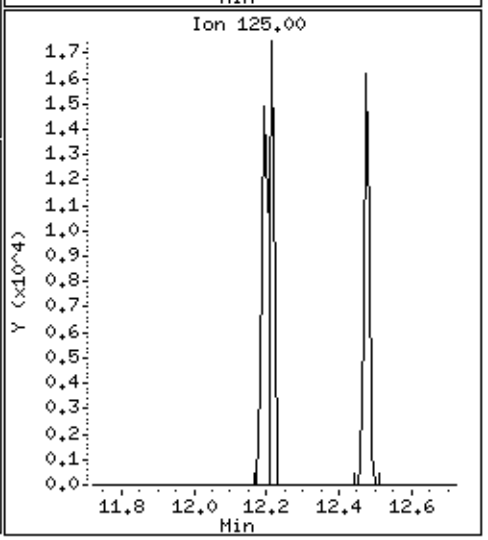
Concentration: 18.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

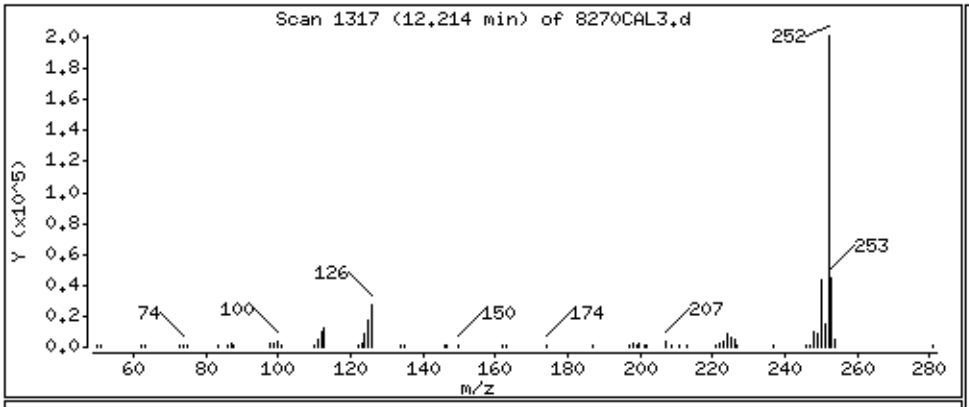
Operator: MJ

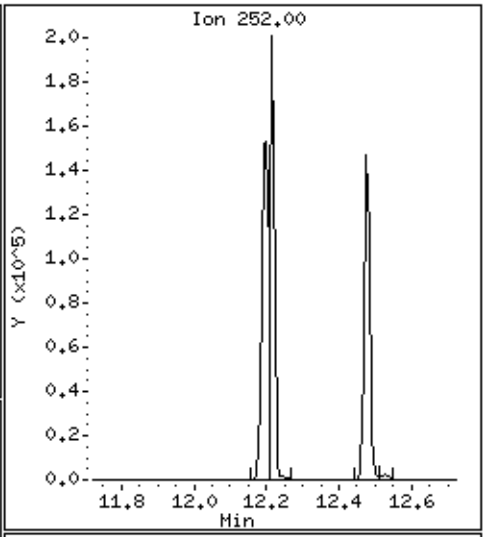
Column phase: HPMS-5

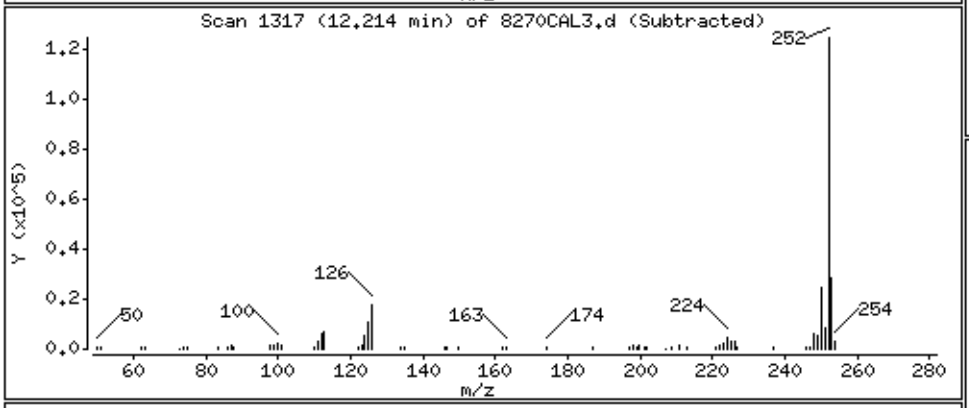
Column diameter: 0.25

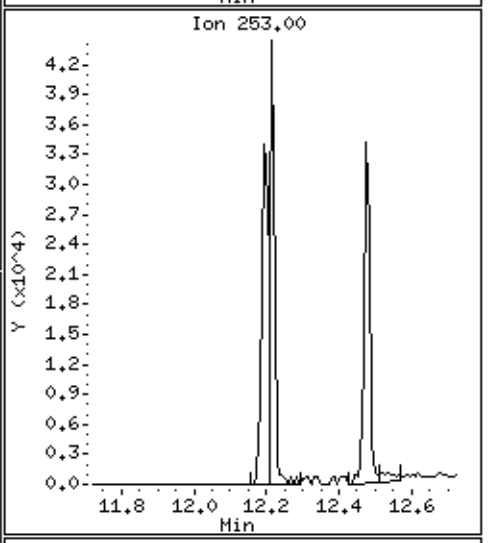
128 Benzo[k]fluoranthene

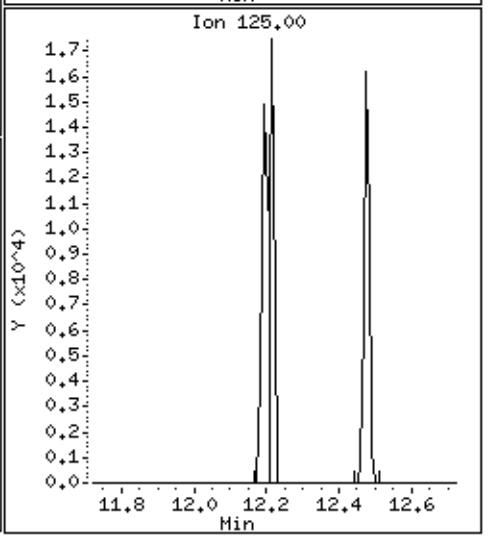
Concentration: 17.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

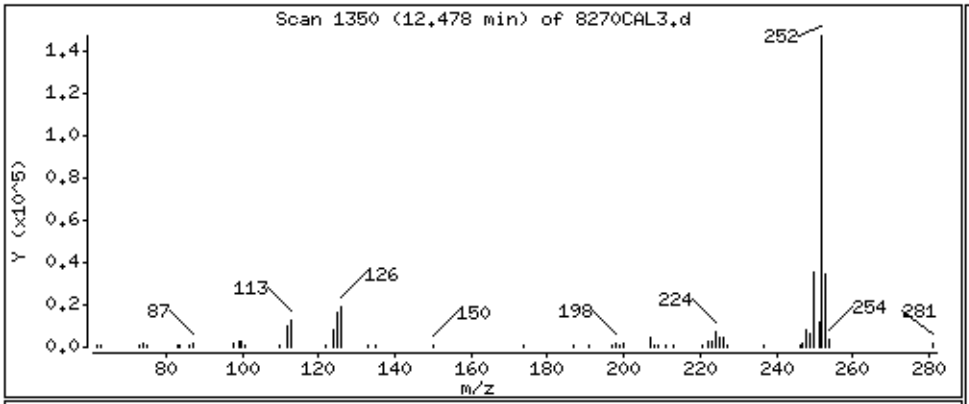
Operator: MJ

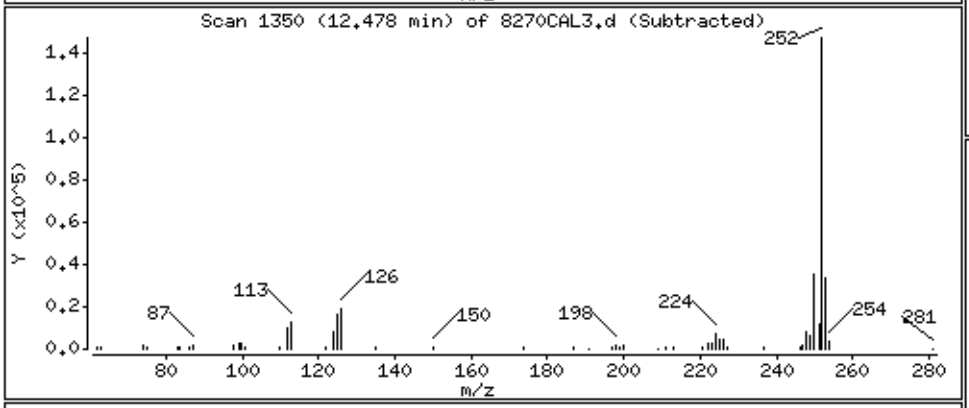
Column phase: HPMS-5

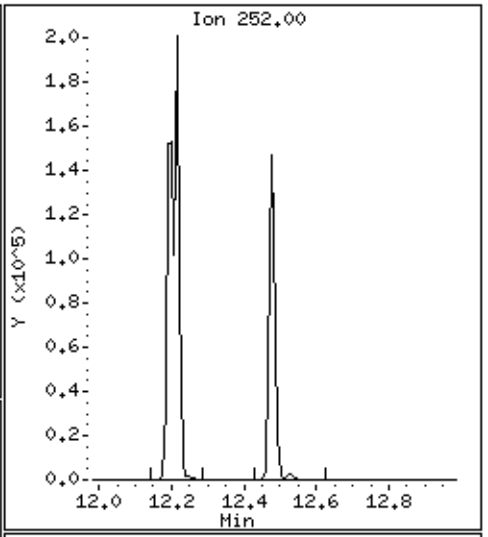
Column diameter: 0.25

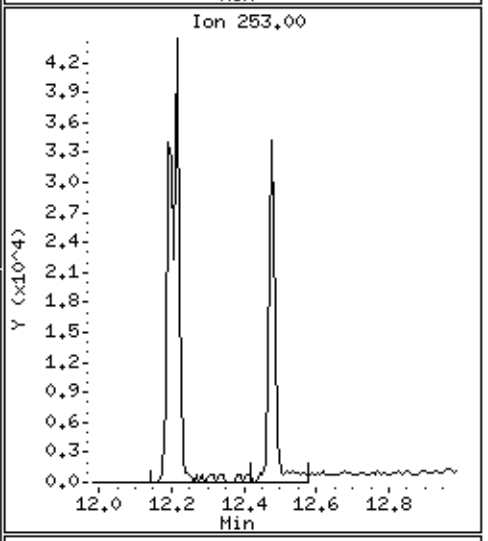
129 Benzo[a]pyrene

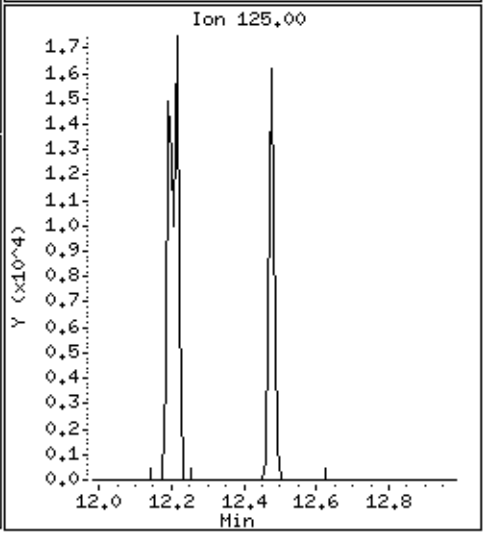
Concentration: 17.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

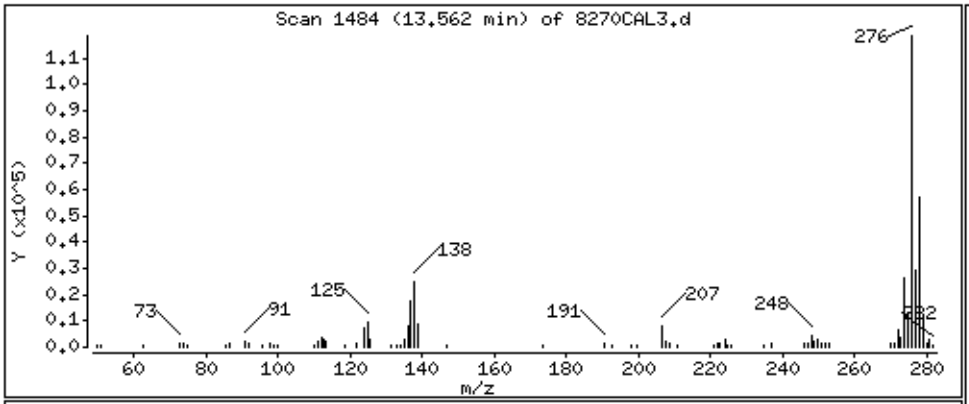
Operator: MJ

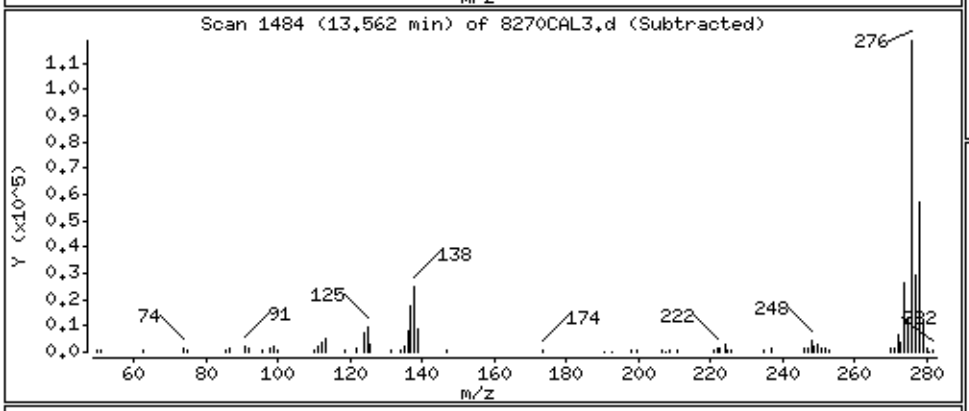
Column phase: HPMS-5

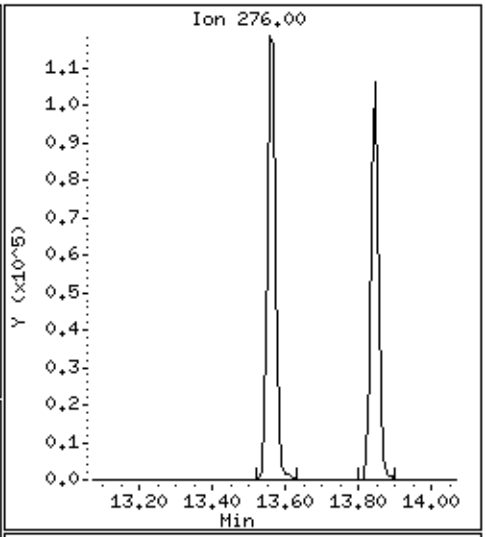
Column diameter: 0.25

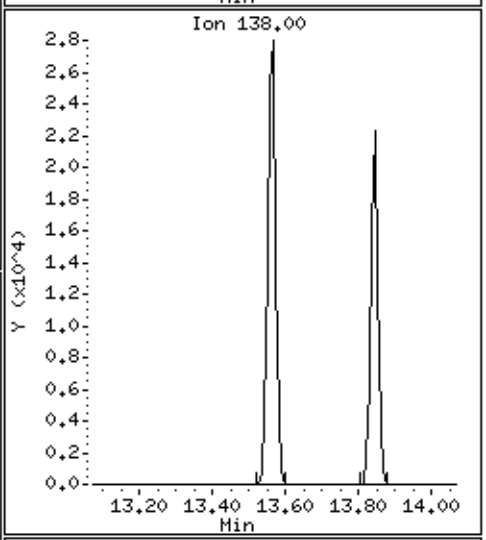
133 Indeno[1,2,3-cd]pyrene

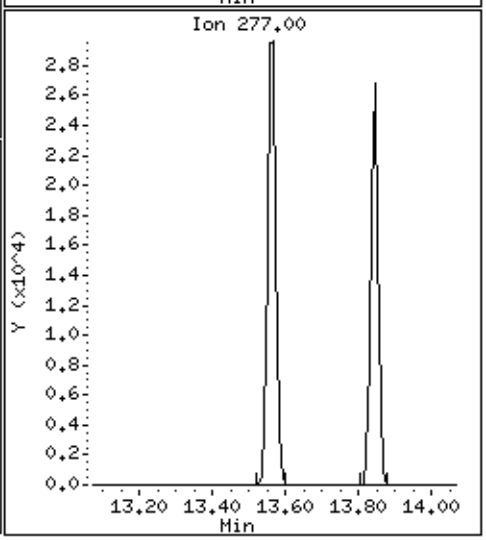
Concentration: 18.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

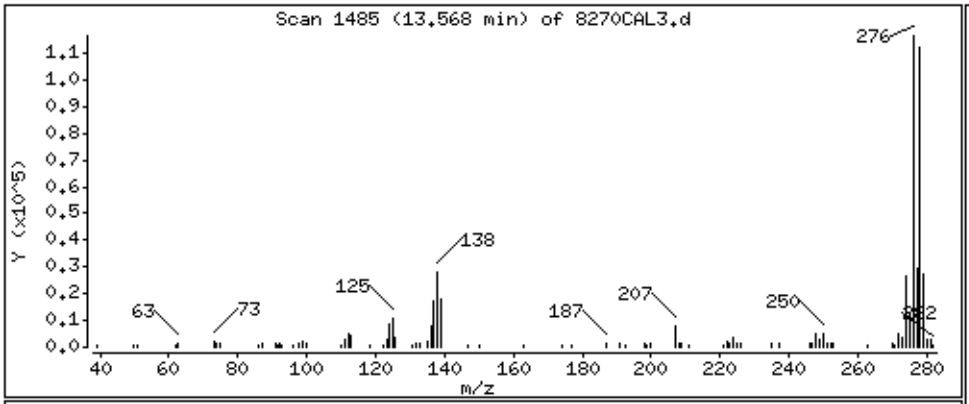
Operator: MJ

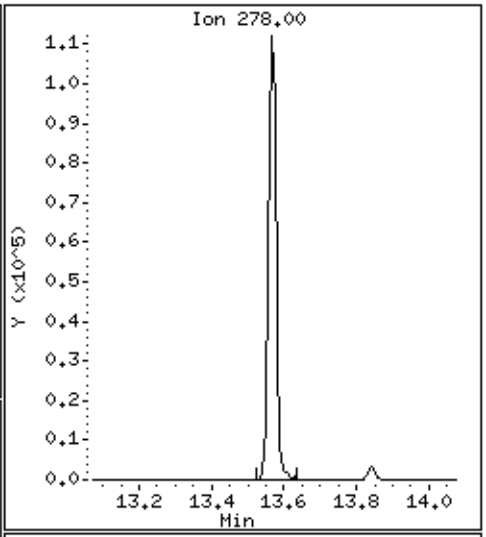
Column phase: HPMS-5

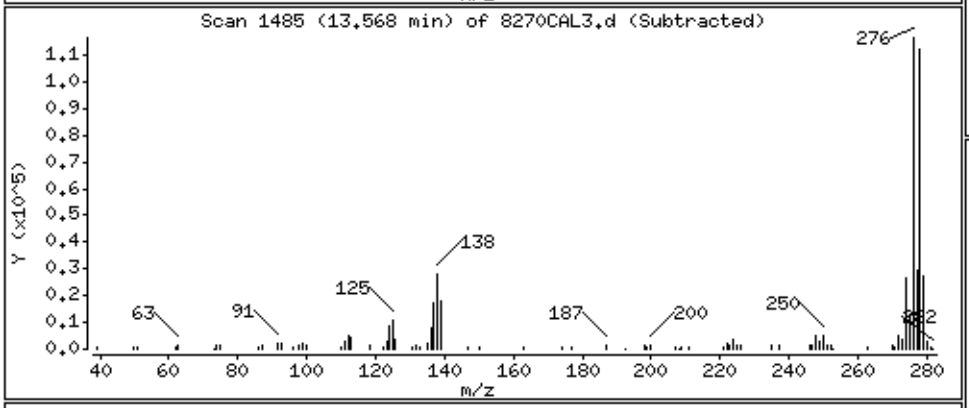
Column diameter: 0.25

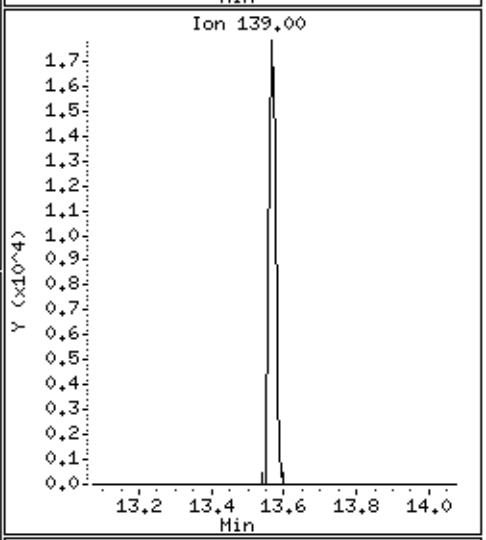
134 Dibenz[a,h]anthracene

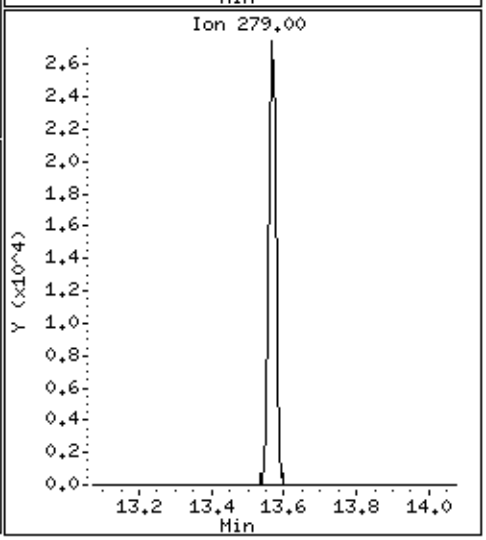
Concentration: 18.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL3.d

Date : 15-NOV-2012 00:04

Client ID: 8270CAL3

Instrument: smsd04.i

Sample Info: 47767

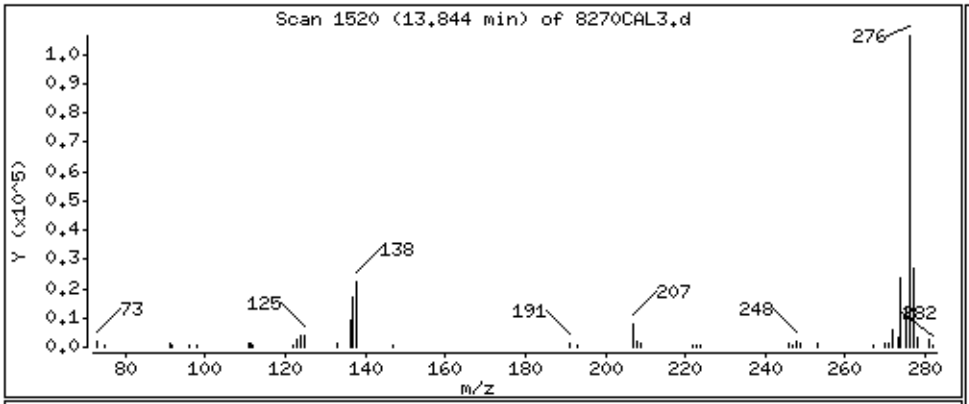
Operator: MJ

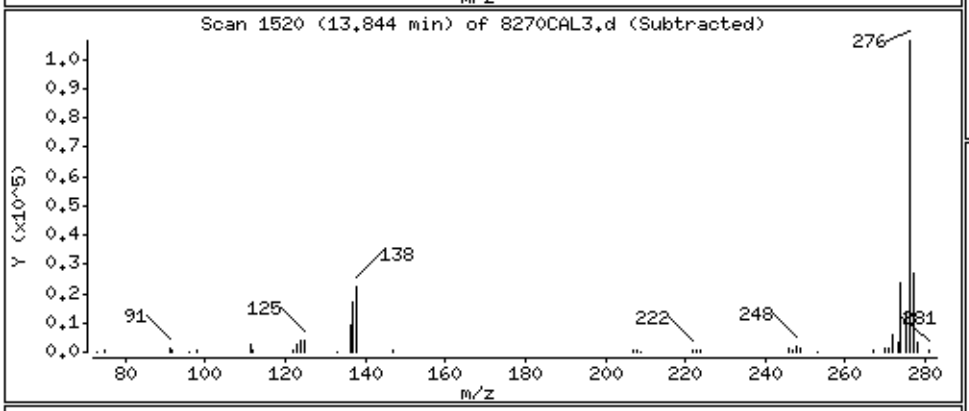
Column phase: HPMS-5

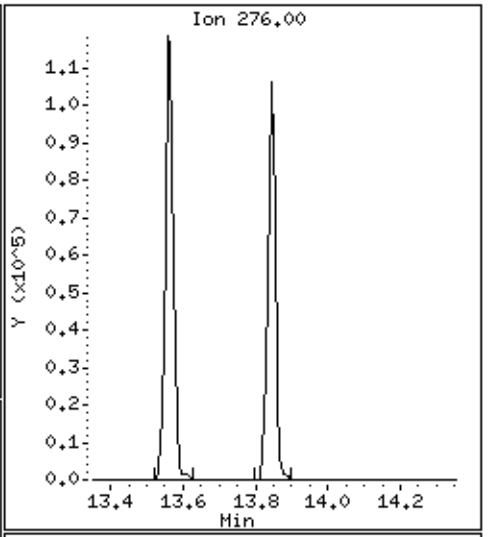
Column diameter: 0.25

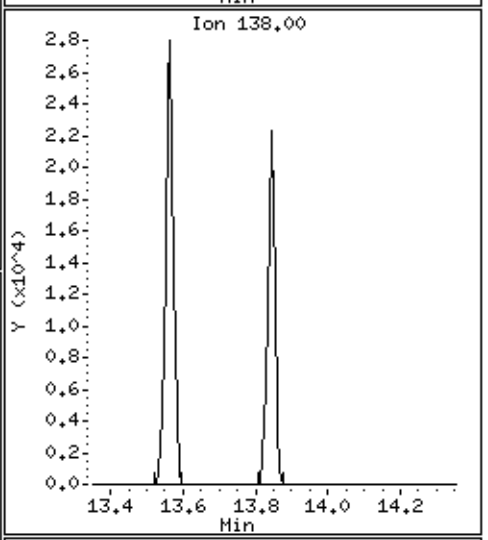
135 Benzo[g,h,i]perylene

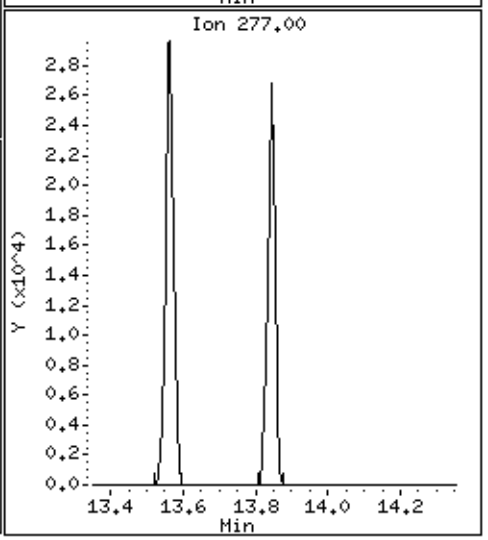
Concentration: 19.7 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d
Lab Smp Id: 47768 Client Smp ID: 8270CAL2
Inj Date : 15-NOV-2012 00:25 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47768
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 15:02 Cal File: AP9CAL2.d
Als bottle: 26 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
	2 Pyridine					CAS #: 110-86-1		
2.231	2.228 (0.519)	79	35593	10.0000		10.1	80.00- 120.00	100.00
2.231	2.228 (0.519)	52	22731				35.30- 95.30	63.86
M	16 Cresols (Total)					CAS #: 1319-77-3		
			60697	20.0000				(a)
	1 N-Nitrosodimethylamine					CAS #: 62-75-9		
2.220	2.220 (0.517)	42	15648	10.0000		10.0	80.00- 120.00	100.00
2.221	2.220 (0.517)	74	20079				97.07- 157.07	128.32
2.217	2.221 (0.516)	44	773				0.00- 34.98	4.94
$	6 2-Fluorophenol (SURR)					CAS #: 367-12-4		
3.245	3.246 (0.756)	112	60461	20.0000		19.4	80.00- 120.00	100.00
3.245	3.246 (0.756)	64	37738				32.62- 92.62	62.42
$	11 Phenol-d5 (SURR)					CAS #: 4165-62-2		
3.999	4.006 (0.931)	99	75475	20.0000		19.1	80.00- 120.00	100.00
3.999	4.006 (0.931)	42	15241				0.00- 49.74	20.19
4.000	4.006 (0.931)	71	32633				12.66- 72.66	43.24

					AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.009	4.016	(0.933)	94	41368	10.0000	9.0	80.00- 120.00	100.00
4.009	4.016	(0.933)	65	13726			0.94- 60.94	33.18
4.008	4.015	(0.933)	66	23215			21.40- 81.40	56.12
10 Aniline						CAS #: 62-53-3		
4.042	4.046	(0.941)	93	44905	10.0000	10.2	80.00- 120.00	100.00
4.042	4.046	(0.941)	65	9873			0.00- 50.97	21.99
4.042	4.046	(0.941)	66	19340			12.95- 72.95	43.07
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.088	4.094	(0.952)	93	30055	10.0000	9.7	80.00- 120.00	100.00
4.088	4.093	(0.952)	63	23337			43.04- 103.04	77.65
4.088	4.094	(0.952)	95	10232			1.90- 61.90	34.04
15 2-Chlorophenol						CAS #: 95-57-8		
4.139	4.142	(0.964)	128	30252	10.0000	10.1	80.00- 120.00	100.00
4.138	4.142	(0.963)	64	16118			24.14- 84.14	53.28
4.139	4.142	(0.964)	130	9404			2.15- 62.15	31.09
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.265	4.267	(0.993)	146	36464	10.0000	10.2	80.00- 120.00	100.00
4.265	4.267	(0.993)	148	22247			34.15- 94.15	61.01
4.265	4.267	(0.993)	111	17247			14.34- 74.34	47.30
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.295	4.294	(1.000)	152	95892	40.0000		80.00- 120.00	100.00
4.295	4.294	(1.000)	115	60613			34.81- 94.81	63.21
4.295	4.294	(1.000)	150	157335			126.51- 186.51	164.08
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.310	4.311	(1.003)	146	37778	10.0000	10.1	80.00- 120.00	100.00
4.310	4.311	(1.003)	148	24064			36.10- 96.10	63.70
4.309	4.311	(1.003)	111	17176			14.95- 74.95	45.47
21 Benzyl alcohol						CAS #: 100-51-6		
4.427	4.429	(1.031)	108	18539	10.0000	9.2	80.00- 120.00	100.00
4.426	4.429	(1.030)	79	28420			126.03- 186.03	153.30
4.426	4.429	(1.031)	77	19701			76.75- 136.75	106.27
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.477	4.478	(1.042)	146	34380	10.0000	9.9	80.00- 120.00	100.00
4.477	4.478	(1.042)	148	21585			33.36- 93.36	62.78
4.477	4.478	(1.042)	111	15997			18.07- 78.07	46.53
22 2-Methylphenol						CAS #: 95-48-7		
4.534	4.538	(1.056)	107	24875	10.0000	10.2	80.00- 120.00	100.00
4.534	4.538	(1.056)	108	26041			83.56- 143.56	104.69
4.534	4.538	(1.056)	79	14307			27.79- 87.79	57.52
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.569	4.571	(1.064)	45	40257	10.0000	10.3	80.00- 120.00	100.00
4.569	4.571	(1.064)	77	6620			0.00- 47.34	16.44

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
23 2,2'-oxybis(1-chloropropane) (continued)								
4.569	4.571	(1.064)	121	10916			0.00- 56.71	27.12
28 4-Methylphenol						CAS #: 106-44-5		
4.662	4.668	(1.085)	107	35822	10.0000	9.7	80.00- 120.00	100.00
4.662	4.668	(1.085)	108	28435			51.88- 111.88	79.38
4.661	4.668	(1.085)	79	10072			0.00- 57.76	28.12
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.692	4.699	(1.092)	70	25793	10.0000	9.8	80.00- 120.00	100.00
4.692	4.699	(1.092)	42	12654			21.53- 81.53	49.06
4.692	4.699	(1.092)	130	5350			0.00- 51.40	20.74
30 Hexachloroethane						CAS #: 67-72-1		
4.753	4.753	(1.107)	117	16115	10.0000	10.2	80.00- 120.00	100.00
4.753	4.754	(1.107)	201	14338			63.39- 123.39	88.97
4.753	4.754	(1.107)	199	8856			26.40- 86.40	54.96
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.815	4.818	(0.881)	82	40831	10.0000	10.0	80.00- 120.00	100.00
4.815	4.818	(0.881)	128	14784			6.68- 66.68	36.21
4.814	4.818	(0.881)	54	20048			19.12- 79.12	49.10
32 Nitrobenzene						CAS #: 98-95-3		
4.831	4.834	(0.884)	77	40555	10.0000	10.0	80.00- 120.00	100.00
4.831	4.835	(0.884)	123	14731			6.73- 66.73	36.32
4.830	4.834	(0.884)	65	5485			0.00- 43.84	13.52
34 Isophorone						CAS #: 78-59-1		
5.041	5.046	(0.923)	82	67210	10.0000	9.7	80.00- 120.00	100.00
5.041	5.047	(0.923)	138	10037			0.00- 45.91	14.93
5.041	5.046	(0.923)	95	5436			0.00- 37.77	8.09
35 2-Nitrophenol						CAS #: 88-75-5		
5.126	5.128	(0.938)	139	15927	10.0000	9.5	80.00- 120.00	100.00
5.126	5.127	(0.938)	65	10252			33.65- 93.65	64.37
5.126	5.127	(0.938)	109	6781			13.08- 73.08	42.58
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.153	5.158	(0.943)	122	21745	10.0000	8.7	80.00- 120.00	100.00
5.153	5.158	(0.943)	107	30738			100.42- 160.42	141.36
5.153	5.158	(0.943)	121	13033			27.73- 87.73	59.94
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.248	5.252	(0.960)	93	38451	10.0000	9.6	80.00- 120.00	100.00
5.248	5.252	(0.961)	95	12912			2.66- 62.66	33.58
5.247	5.252	(0.960)	123	4562			0.00- 43.79	11.86
40 Benzoic Acid						CAS #: 65-85-0		
5.220	5.267	(0.955)	122	12215	10.0000	12.4	80.00- 120.00	100.00
5.220	5.267	(0.955)	105	16134			114.27- 174.27	132.08
5.220	5.267	(0.955)	77	14257			94.81- 154.81	116.72

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
41 2,4-Dichlorophenol							CAS #: 120-83-2	
5.338	5.342	(0.977)	162	25733	10.0000	9.0	80.00- 120.00	100.00
5.338	5.342	(0.977)	164	17393			34.34- 94.34	67.59
5.338	5.342	(0.977)	98	10758			8.30- 68.30	41.81
42 1,2,4-Trichlorobenzene							CAS #: 120-82-1	
5.424	5.427	(0.993)	180	31241	10.0000	9.8	80.00- 120.00	100.00
5.423	5.427	(0.993)	182	30209			69.17- 129.17	96.70
5.423	5.427	(0.993)	145	8752			0.41- 60.41	28.01
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.463	5.463	(1.000)	136	320739	40.0000		80.00- 120.00	100.00
5.463	5.463	(1.000)	68	24367			0.00- 37.51	7.60
44 Naphthalene							CAS #: 91-20-3	
5.486	5.486	(1.004)	128	83474	10.0000	9.8	80.00- 120.00	100.00(M)
5.482	5.485	(1.003)	129	8578			0.00- 40.78	10.28
5.482	5.486	(1.003)	127	10629			0.00- 42.17	12.73
45 4-Chloroaniline							CAS #: 106-47-8	
5.549	5.552	(1.016)	127	34114	10.0000	9.6	80.00- 120.00	100.00
5.549	5.552	(1.016)	129	10666			2.29- 62.29	31.27
5.549	5.551	(1.016)	65	13046			8.57- 68.57	38.24
48 Hexachlorobutadiene							CAS #: 87-68-3	
5.653	5.654	(1.035)	225	22001	10.0000	9.7	80.00- 120.00	100.00
5.653	5.654	(1.035)	223	13895			31.81- 91.81	63.16
5.653	5.654	(1.035)	227	14446			34.78- 94.78	65.66
51 4-Chloro-3-methylphenol							CAS #: 59-50-7	
6.005	6.009	(1.099)	107	28858	10.0000	9.5	80.00- 120.00	100.00
6.005	6.009	(1.099)	144	6466			0.00- 53.54	22.41
6.005	6.009	(1.099)	142	20253			43.91- 103.91	70.18
53 2-Methylnaphthalene							CAS #: 91-57-6	
6.138	6.141	(1.124)	142	55893	10.0000	9.6	80.00- 120.00	100.00
6.138	6.141	(1.124)	141	47826			55.50- 115.50	85.57
54 1-Methylnaphthalene							CAS #: 90-12-0	
6.244	6.247	(1.143)	142	50959	10.0000	9.6	80.00- 120.00	100.00
6.244	6.247	(1.143)	141	45664			58.78- 118.78	89.61
55 Hexachlorocyclopentadiene							CAS #: 77-47-4	
6.360	6.360	(0.887)	237	14446	10.0000	12.7	80.00- 120.00	100.00
6.360	6.360	(0.887)	235	8904			33.42- 93.42	61.64
6.359	6.360	(0.887)	272	1569			0.00- 41.88	10.86
57 2,4,6-Trichlorophenol							CAS #: 88-06-2	
6.435	6.438	(0.898)	196	21333	10.0000	9.9	80.00- 120.00	100.00
6.435	6.438	(0.898)	198	19085			67.54- 127.54	89.46
6.435	6.438	(0.898)	200	6387			1.18- 61.18	29.94
58 2,4,5-Trichlorophenol							CAS #: 95-95-4	
6.471	6.472	(0.903)	196	22143	10.0000	9.4	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
58 2,4,5-Trichlorophenol (continued)								
6.471	6.472	(0.903)	198	20716			64.33- 124.33	93.56
6.470	6.472	(0.903)	97	12918			27.55- 87.55	58.34
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.511	6.514	(0.908)	172	70914	10.0000	9.7	80.00- 120.00	100.00
6.511	6.514	(0.908)	171	23888			4.90- 64.90	33.69
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.607	6.610	(0.922)	162	58143	10.0000	9.6	80.00- 120.00	100.00
6.607	6.610	(0.922)	164	18356			1.75- 61.75	31.57
6.607	6.610	(0.922)	127	22974			8.71- 68.71	39.51
63 2-Nitroaniline						CAS #: 88-74-4		
6.735	6.741	(0.940)	65	20059	10.0000	9.3	80.00- 120.00	100.00
6.735	6.741	(0.940)	92	12341			35.13- 95.13	61.52
6.735	6.741	(0.940)	138	17514			59.53- 119.53	87.31
65 Dimethylphthalate						CAS #: 131-11-3		
6.944	6.950	(0.969)	163	70532	10.0000	9.9	80.00- 120.00	100.00
6.944	6.950	(0.969)	194	4421			0.00- 35.76	6.27
6.943	6.949	(0.969)	164	6780			0.00- 39.66	9.61
68 Acenaphthylene						CAS #: 208-96-8		
7.017	7.020	(0.979)	152	88439	10.0000	9.3	80.00- 120.00	100.00
7.017	7.020	(0.979)	151	17599			0.00- 50.20	19.90
7.017	7.020	(0.979)	153	11766			0.00- 43.02	13.30
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.009	7.015	(0.978)	165	15139	10.0000	9.0	80.00- 120.00	100.00
7.009	7.015	(0.978)	89	10747			39.45- 99.45	70.99
7.011	7.016	(0.978)	63	16834			74.66- 134.66	111.20
69 3-Nitroaniline						CAS #: 99-09-2		
7.139	7.146	(0.996)	138	15457	10.0000	10	80.00- 120.00	100.00
7.139	7.146	(0.996)	108	1692			0.00- 42.35	10.95
7.139	7.145	(0.996)	92	21392			104.62- 164.62	138.40
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.168	7.167	(1.000)	164	201356	40.0000		80.00- 120.00	100.00
7.168	7.168	(1.000)	162	193676			66.12- 126.12	96.19
7.168	7.167	(1.000)	160	87158			13.21- 73.21	43.29
71 Acenaphthene						CAS #: 83-32-9		
7.197	7.201	(1.004)	154	52508	10.0000	9.6	80.00- 120.00	100.00
7.197	7.200	(1.004)	153	56724			77.18- 137.18	108.03
7.197	7.200	(1.004)	152	26362			21.21- 81.21	50.21
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.238	7.243	(1.010)	184	5379	10.0000	14.0	80.00- 120.00	100.00
7.237	7.242	(1.010)	63	3724			48.18- 108.18	69.23
7.237	7.242	(1.010)	154	3376			33.05- 93.05	62.76

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.297	7.303 (1.018)		109	12145	10.0000	9.0	80.00- 120.00	100.00
7.297	7.303 (1.018)		139	11795			61.80- 121.80	97.12
7.296	7.303 (1.018)		65	13857			80.41- 140.41	114.10
75 Dibenzofuran						CAS #: 132-64-9		
7.350	7.355 (1.025)		168	79481	10.0000	9.5	80.00- 120.00	100.00
7.350	7.355 (1.025)		139	33317			10.69- 70.69	41.92
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.387	7.392 (1.031)		165	19910	10.0000	9.5	80.00- 120.00	100.00
7.386	7.392 (1.030)		63	10503			23.55- 83.55	52.75
7.386	7.392 (1.030)		89	16819			51.82- 111.82	84.48
80 Diethylphthalate						CAS #: 84-66-2		
7.633	7.640 (1.065)		149	68141	10.0000	9.8	80.00- 120.00	100.00
7.633	7.640 (1.065)		177	14042			0.00- 51.79	20.61
7.632	7.640 (1.065)		150	8047			0.00- 42.28	11.81
81 Fluorene						CAS #: 86-73-7		
7.687	7.690 (1.072)		166	68286	10.0000	9.2	80.00- 120.00	100.00
7.687	7.690 (1.072)		165	63690			61.04- 121.04	93.27
7.687	7.690 (1.072)		167	9389			0.00- 43.06	13.75
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.688	7.690 (1.073)		204	35427	10.0000	9.0	80.00- 120.00	100.00
7.688	7.690 (1.073)		206	12114			2.85- 62.85	34.19
7.688	7.690 (1.073)		141	22186			29.43- 89.43	62.62
84 4-Nitroaniline						CAS #: 100-01-6		
7.736	7.750 (1.079)		138	13128	10.0000	9.4	80.00- 120.00	100.00
7.736	7.749 (1.079)		92	7820			30.30- 90.30	59.57
7.737	7.749 (1.079)		108	15426			85.44- 145.44	117.50
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.781	7.790 (0.900)		198	10875	10.0000	7.7	80.00- 120.00	100.00
7.780	7.789 (0.900)		51	4616			21.07- 81.07	42.45
7.780	7.789 (0.900)		105	4497			14.43- 74.43	41.35
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.808	7.814 (0.903)		169	44986	10.0000	9.7	80.00- 120.00	100.00
7.808	7.815 (0.903)		168	30552			41.33- 101.33	67.91
7.808	7.815 (0.903)		167	15872			5.93- 65.93	35.28
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.840	7.845 (1.094)		77	78902	10.0000	9.8	80.00- 120.00	100.00
7.840	7.845 (1.094)		105	10604			0.00- 44.08	13.44
7.840	7.845 (1.094)		182	18297			0.00- 53.69	23.19
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.940	7.946 (1.108)		330	22668	20.0000	17.4	80.00- 120.00	100.00
7.941	7.946 (1.108)		332	22822			65.21- 125.21	100.68
7.940	7.945 (1.108)		141	10224			10.78- 70.78	45.10

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether						CAS #: 101-55-3		
8.161	8.163 (0.944)		248	20845	10.0000	9.2	80.00- 120.00	100.00
8.161	8.163 (0.944)		250	21055			66.63- 126.63	101.01
8.161	8.162 (0.944)		141	18271			49.24- 109.24	87.65
94 Hexachlorobenzene						CAS #: 118-74-1		
8.305	8.307 (0.960)		284	22349	10.0000	8.7	80.00- 120.00	100.00
8.303	8.307 (0.960)		142	9568			10.52- 70.52	42.81
8.305	8.307 (0.961)		249	7773			1.60- 61.60	34.78
96 Pentachlorophenol						CAS #: 87-86-5		
8.477	8.480 (0.980)		266	10771	10.0000	12.7	80.00- 120.00	100.00
8.477	8.481 (0.980)		264	6976			33.54- 93.54	64.77
8.477	8.481 (0.980)		268	6547			34.39- 94.39	60.78
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.601	8.604 (1.000)		188	355200	40.0000		80.00- 120.00	100.00(H)
8.600	8.604 (1.000)		94	37706			0.00- 40.39	10.62
8.600	8.603 (1.000)		80	42238			0.00- 41.55	11.89
101 Phenanthrene						CAS #: 85-01-8		
8.621	8.626 (0.997)		178	95841	10.0000	9.8	80.00- 120.00	100.00(H)
8.621	8.626 (0.997)		179	14649			0.00- 45.20	15.28
8.621	8.626 (0.997)		176	17073			0.00- 48.69	17.81
103 Anthracene						CAS #: 120-12-7		
8.664	8.670 (1.002)		178	83676	10.0000	9.5	80.00- 120.00	100.00
8.664	8.670 (1.002)		179	12387			0.00- 45.53	14.80
8.664	8.670 (1.002)		176	15233			0.00- 49.11	18.20
104 Carbazole						CAS #: 86-74-8		
8.825	8.830 (1.021)		167	84161	10.0000	9.6	80.00- 120.00	100.00
8.825	8.830 (1.021)		139	11512			0.00- 43.72	13.68
8.824	8.830 (1.021)		83	7944			0.00- 39.70	9.44
105 Di-n-butylphthalate						CAS #: 84-74-2		
9.224	9.227 (1.067)		149	109769	10.0000	9.1	80.00- 120.00	100.00
9.224	9.227 (1.067)		150	9915			0.00- 39.16	9.03
9.224	9.227 (1.067)		104	7142			0.00- 36.36	6.51
109 Fluoranthene						CAS #: 206-44-0		
9.793	9.797 (1.133)		202	101432	10.0000	9.2	80.00- 120.00	100.00
9.792	9.796 (1.133)		101	11562			0.00- 41.60	11.40
9.793	9.797 (1.133)		203	17957			0.00- 47.37	17.70
111 Pyrene						CAS #: 129-00-0		
10.012	10.016 (0.893)		202	102322	10.0000	9.5	80.00- 120.00	100.00
10.013	10.016 (0.893)		200	21569			0.00- 50.33	21.08
10.012	10.016 (0.893)		203	17881			0.00- 47.92	17.48
$ 112 Terphenyl-d14 (SURR)						CAS #: 1718-51-0		
10.175	10.179 (0.908)		244	76829	10.0000	9.1	80.00- 120.00	100.00
10.175	10.178 (0.908)		122	7999			0.00- 40.67	10.41

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.175	10.179	(0.908)	212	6336			0.00- 37.92	8.25
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.690	10.690	(0.954)	149	46969	10.0000	8.8	80.00- 120.00	100.00
10.690	10.691	(0.954)	91	35981			45.72- 105.72	76.61
10.690	10.692	(0.954)	206	10008			0.00- 51.71	21.31
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.190	11.194	(0.998)	228	98869	10.0000	9.2	80.00- 120.00	100.00
11.191	11.194	(0.998)	229	19360			0.00- 49.13	19.58
11.191	11.194	(0.998)	226	26546			0.00- 57.06	26.85
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	401799	40.0000		80.00- 120.00	100.00
11.209	11.210	(1.000)	120	40390			0.00- 40.02	10.05
11.209	11.210	(1.000)	236	95850			0.00- 54.50	23.86
123 Chrysene						CAS #: 218-01-9		
11.233	11.238	(1.002)	228	99569	10.0000	9.4	80.00- 120.00	100.00
11.232	11.238	(1.002)	226	28020			0.00- 59.08	28.14
11.232	11.238	(1.002)	229	19193			0.00- 49.34	19.28
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.273	11.275	(1.006)	149	64093	10.0000	8.7	80.00- 120.00	100.00
11.273	11.276	(1.006)	167	17549			0.00- 59.84	27.38
11.274	11.276	(1.006)	279	4549			0.00- 37.67	7.10
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.840	11.842	(0.945)	149	106849	10.0000	14.1	80.00- 120.00	100.00
11.840	11.843	(0.945)	167	1080			0.00- 31.49	1.01
11.840	11.842	(0.945)	43	9431			0.00- 38.92	8.83
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.190	12.198	(0.973)	252	128395	10.0000	12.6	80.00- 120.00	100.00(M)
12.190	12.198	(0.973)	253	22140			0.00- 52.25	17.24
12.190	12.219	(0.973)	125	8709			0.00- 48.56	6.78
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.212	12.220	(0.975)	252	133403	10.0000	12.0	80.00- 120.00	100.00(M)
12.214	12.220	(0.975)	253	30152			0.00- 52.11	22.60
12.214	12.219	(0.975)	125	11693			0.00- 46.79	8.77
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.477	12.484	(0.996)	252	90170	10.0000	9.2	80.00- 120.00	100.00(H)
12.476	12.484	(0.996)	253	25244			0.00- 51.58	28.00
12.477	12.484	(0.996)	125	8855			0.00- 39.66	9.82
* 130 Perylene-d12						CAS #: 1520-96-3		
12.530	12.532	(1.000)	264	362977	40.0000		80.00- 120.00	100.00
12.531	12.533	(1.000)	260	81985			0.00- 52.70	22.59
12.531	12.532	(1.000)	265	77612			0.00- 52.11	21.38

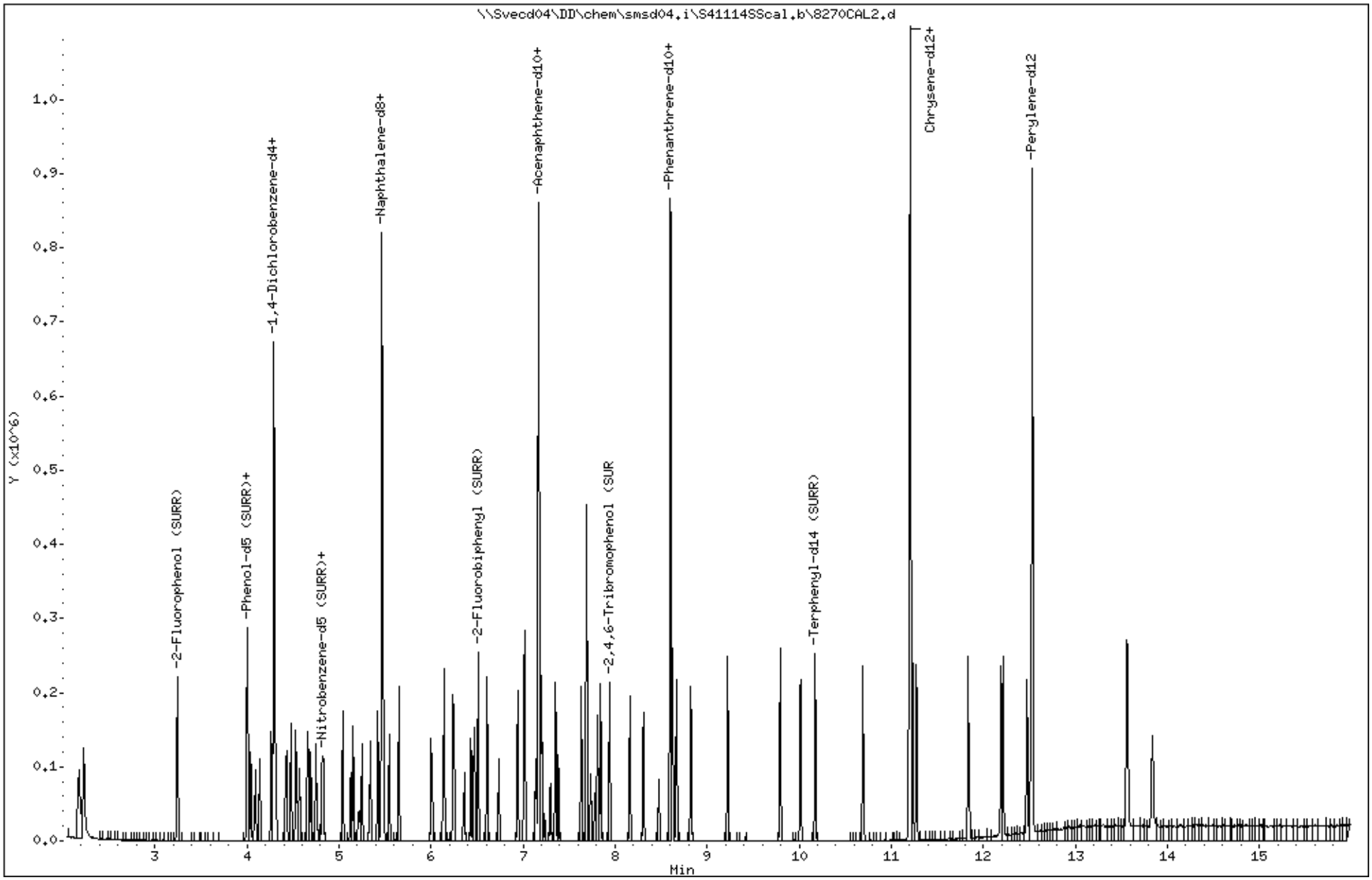
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
133 Indeno[1,2,3-cd]pyrene						CAS #: 193-39-5		
13.559	13.569	(1.082)	276	101187	10.0000	9.2	80.00- 120.00	100.00
13.559	13.570	(1.082)	138	21862			0.00- 53.00	21.61
13.559	13.570	(1.082)	277	25685			0.00- 55.19	25.38
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.566	13.574	(1.083)	278	85878	10.0000	9.2	80.00- 120.00	100.00
13.565	13.573	(1.083)	139	12123			0.00- 45.33	14.12
13.565	13.574	(1.083)	279	19504			0.00- 53.44	22.71
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.840	13.852	(1.104)	276	84122	10.0000	9.9	80.00- 120.00	100.00
13.840	13.852	(1.105)	138	16155			0.00- 48.86	19.20
13.839	13.852	(1.104)	277	19006			0.00- 53.33	22.59

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d
Date : 15-NOV-2012 00:25
Client ID: 8270CAL2
Sample Info: 47768

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

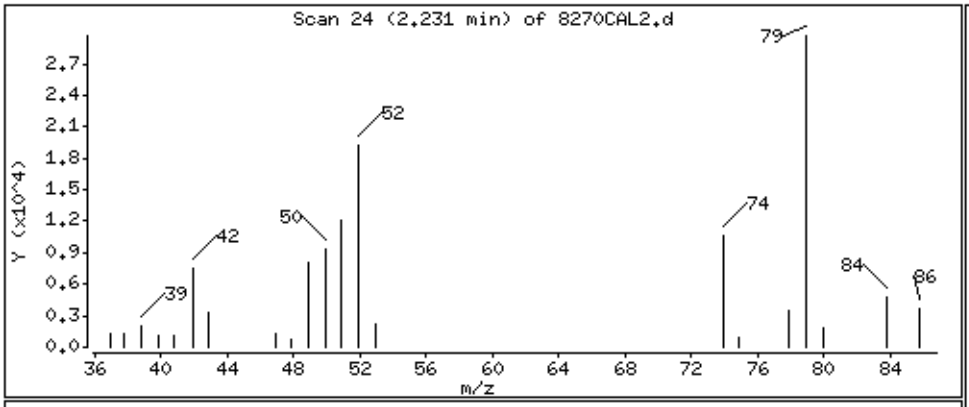
Operator: MJ

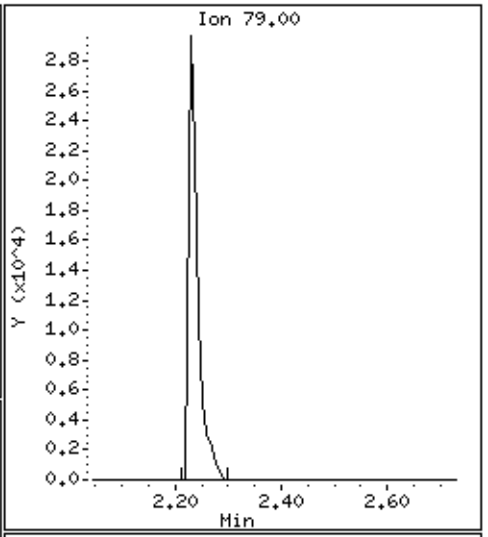
Column phase: HPMS-5

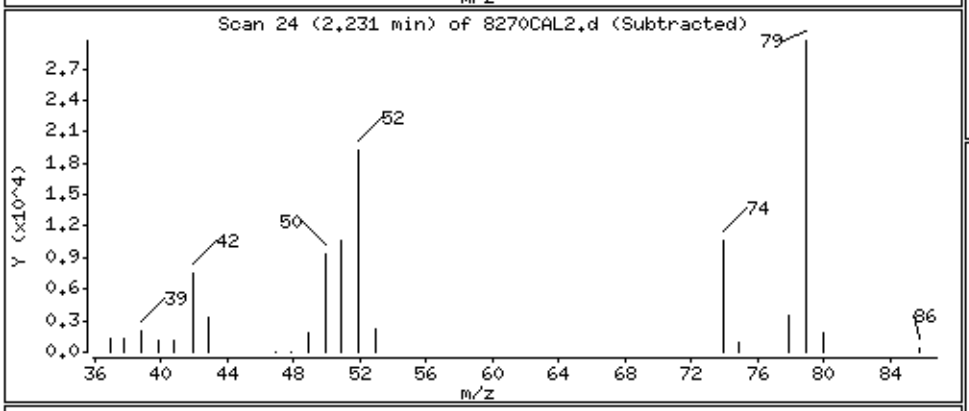
Column diameter: 0.25

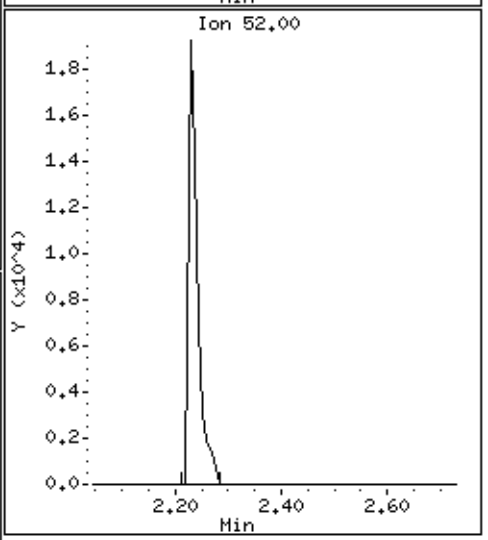
2 Pyridine

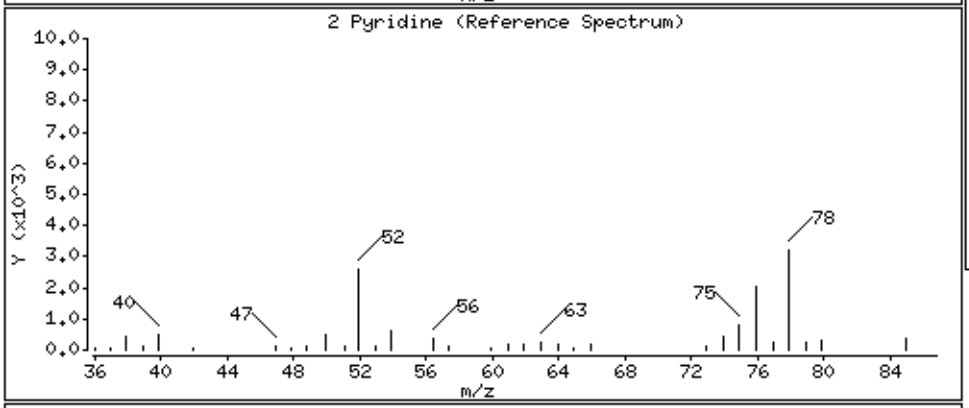
Concentration: 10.1 ug/kg

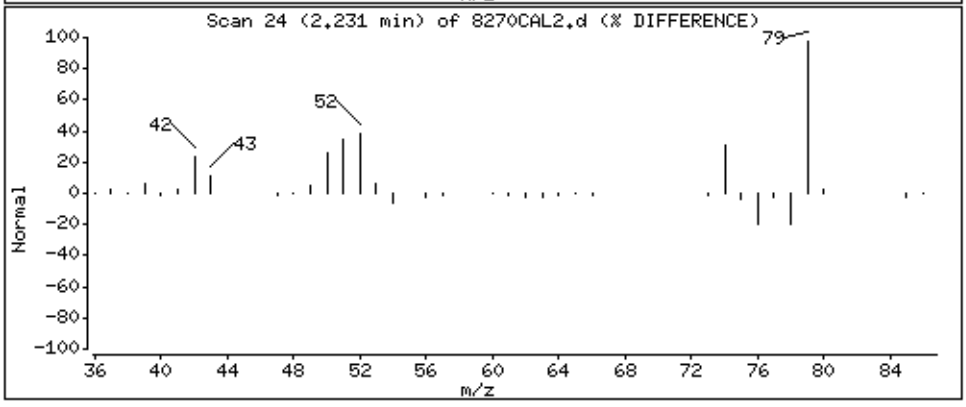












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

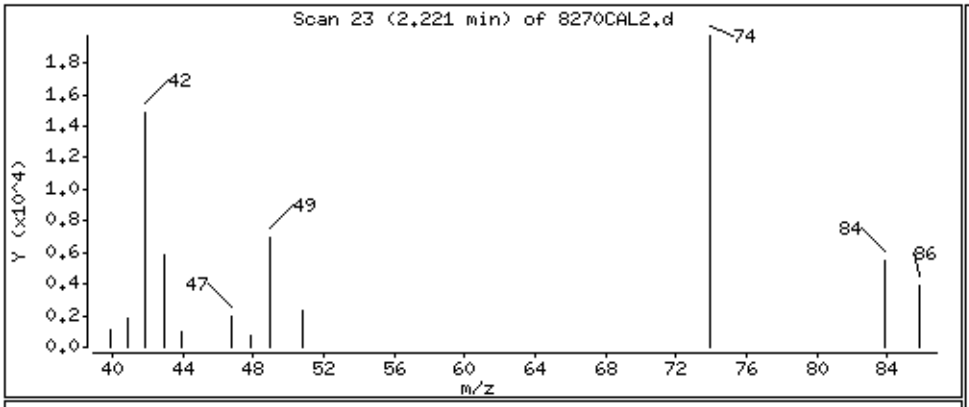
Client ID: 8270CAL2 Instrument: smsd04.i

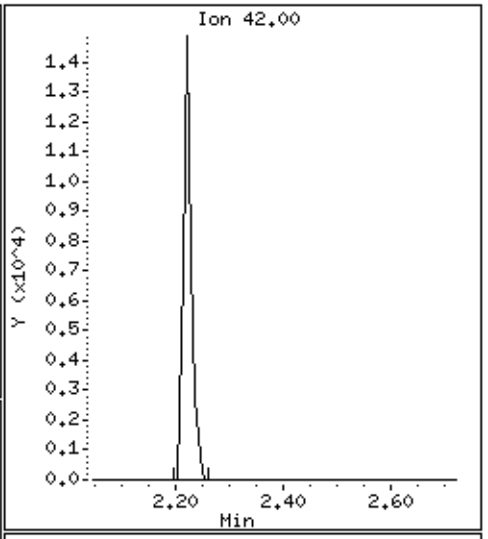
Sample Info: 47768

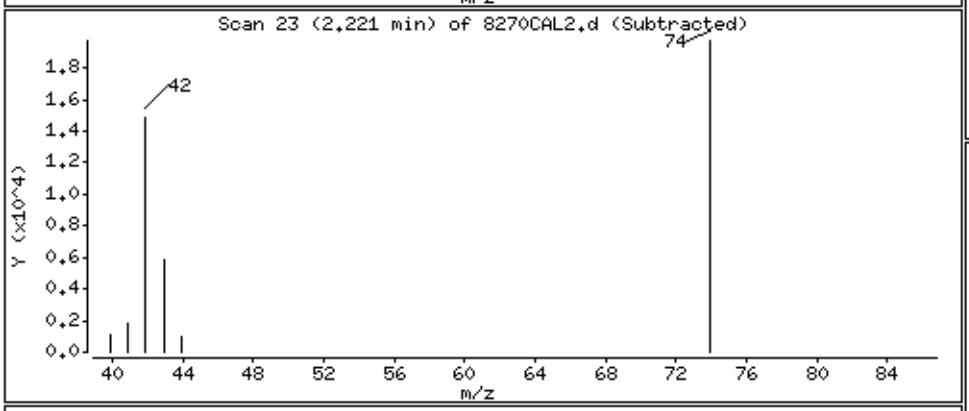
Operator: MJ

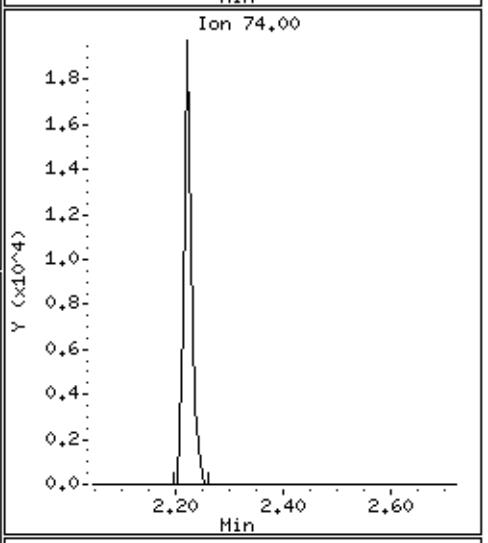
Column phase: HPMS-5 Column diameter: 0.25

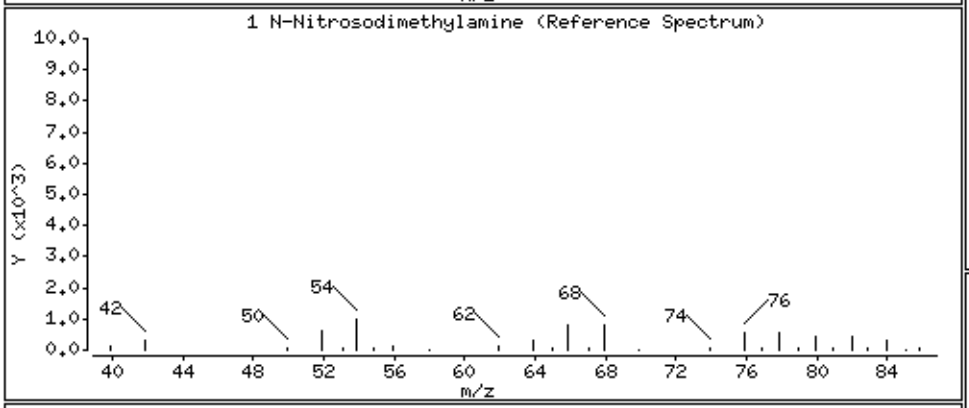
1 N-Nitrosodimethylamine Concentration: 10.0 ug/kg

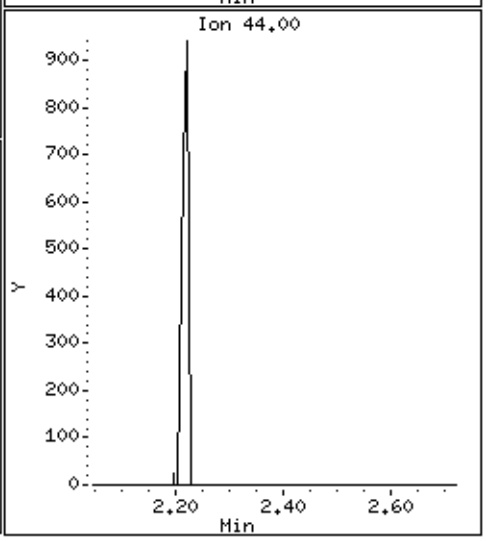


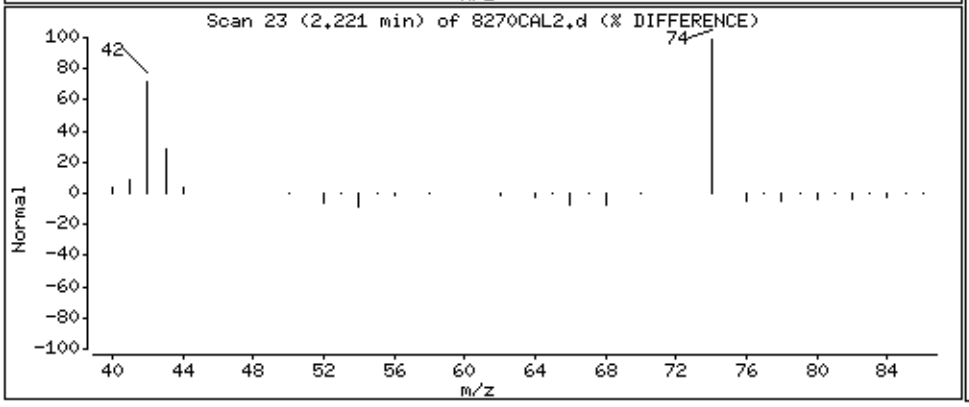












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

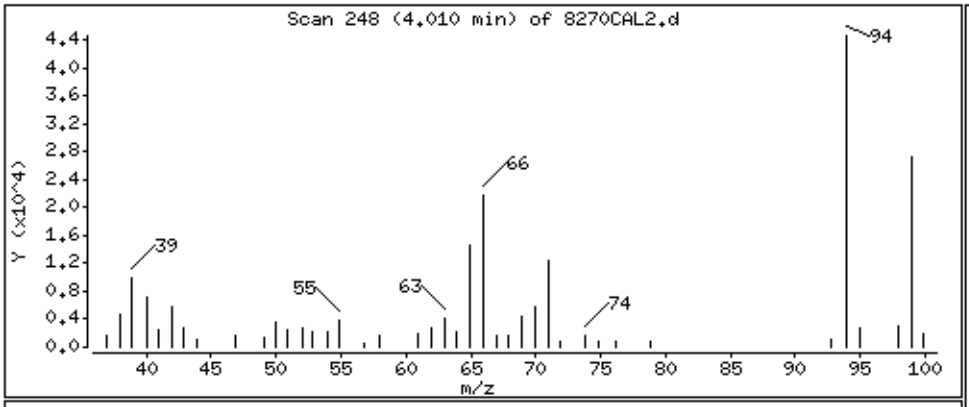
Operator: MJ

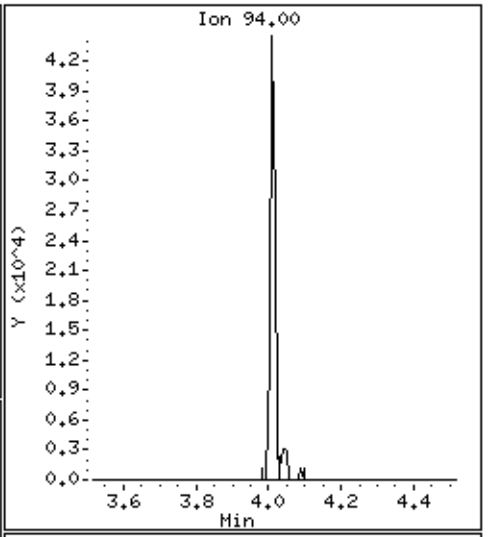
Column phase: HPMS-5

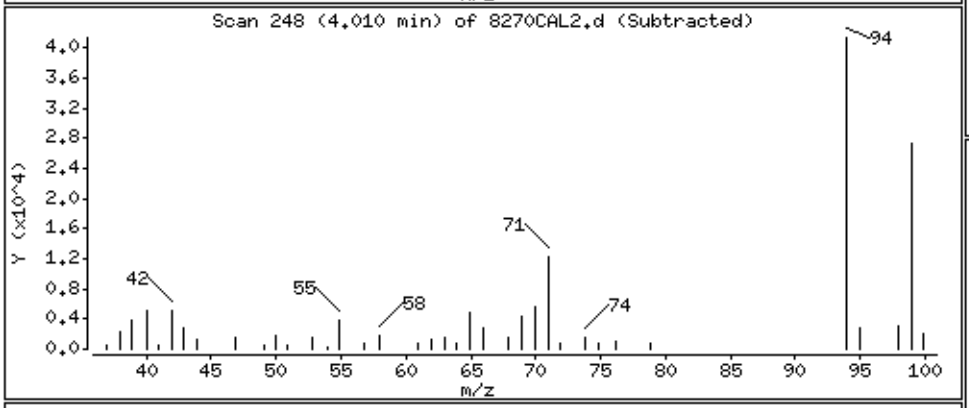
Column diameter: 0.25

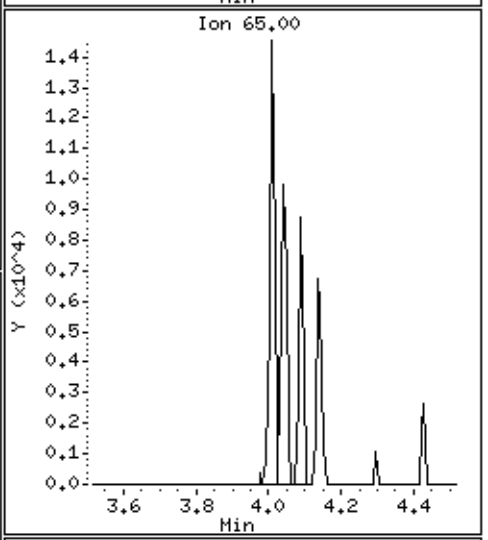
13 Phenol

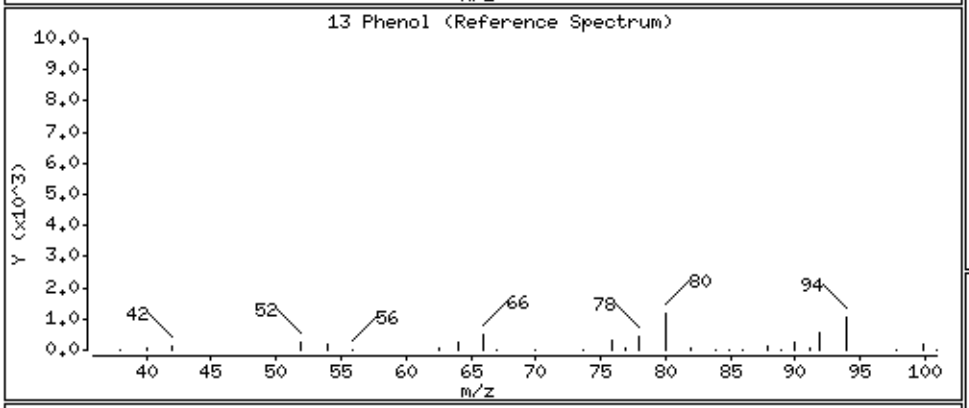
Concentration: 9.0 ug/kg

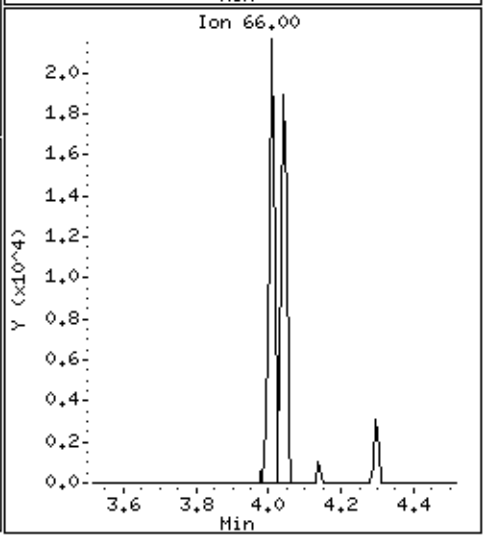


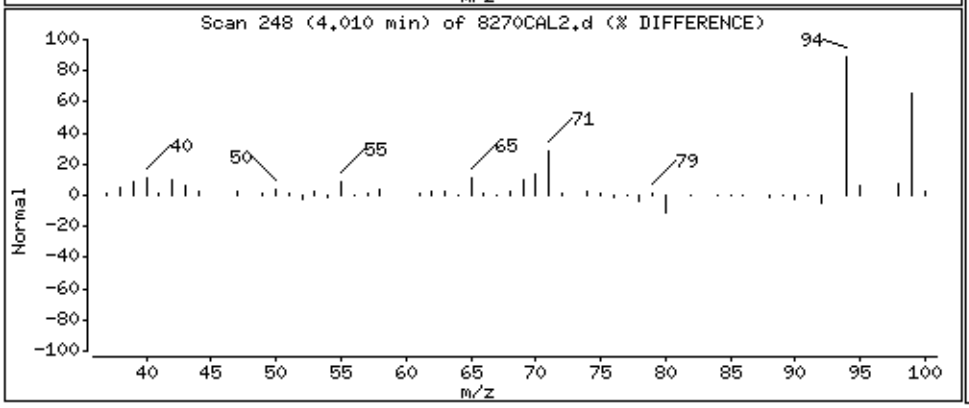












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

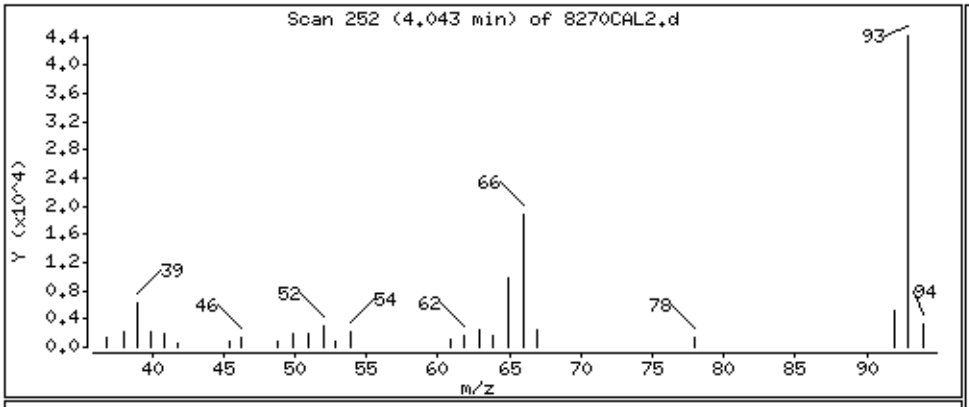
Operator: MJ

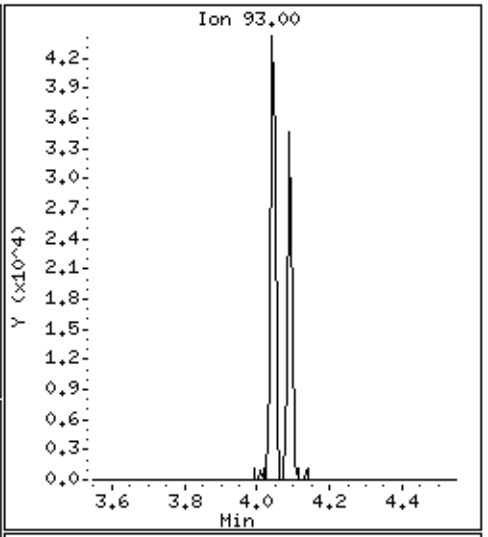
Column phase: HPMS-5

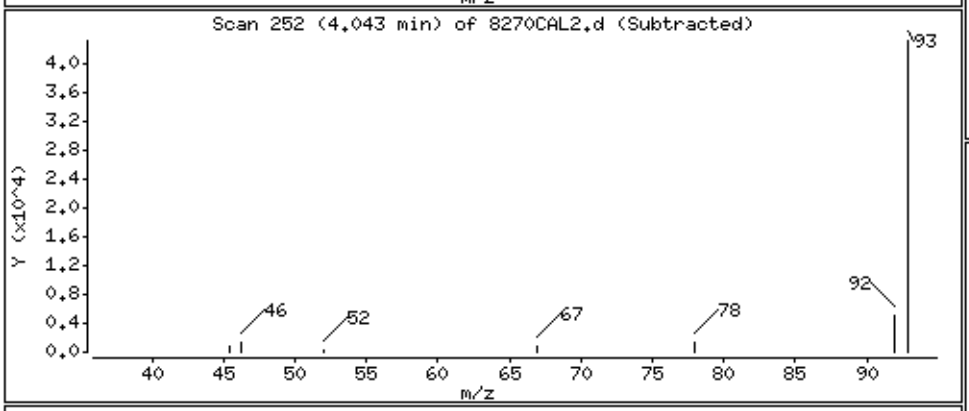
Column diameter: 0.25

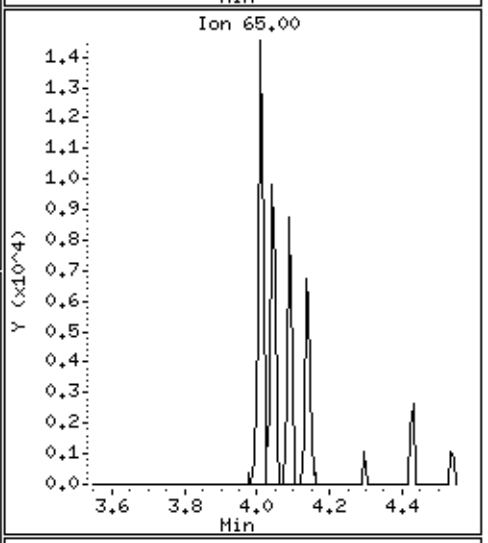
10 Aniline

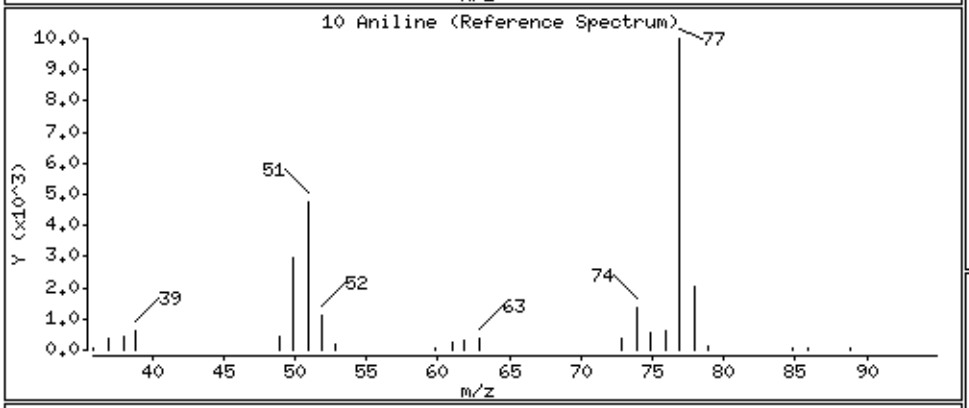
Concentration: 10.2 ug/kg

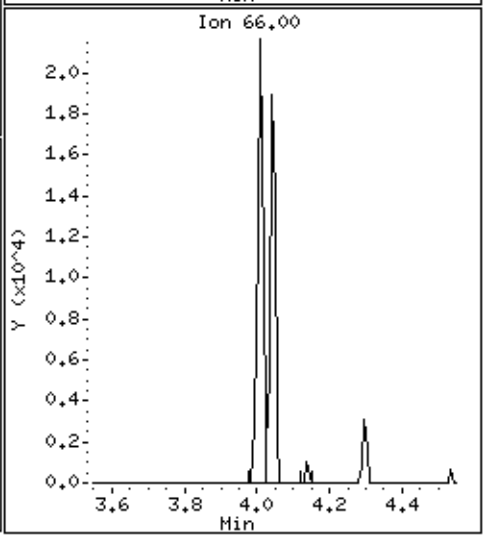


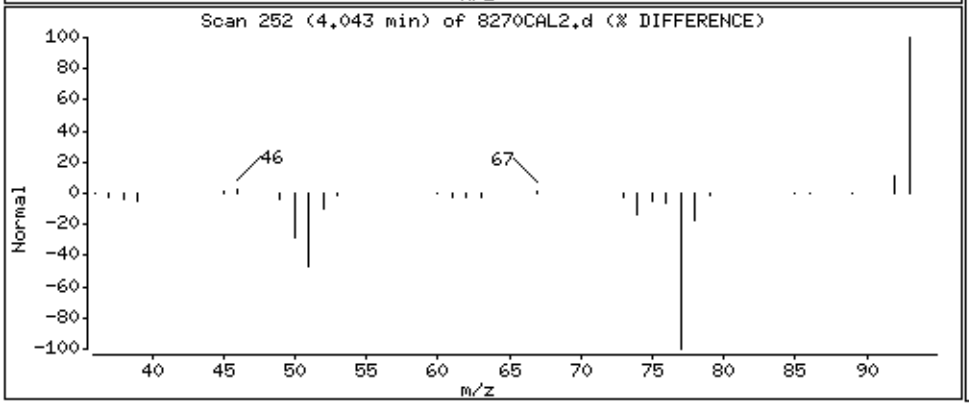












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

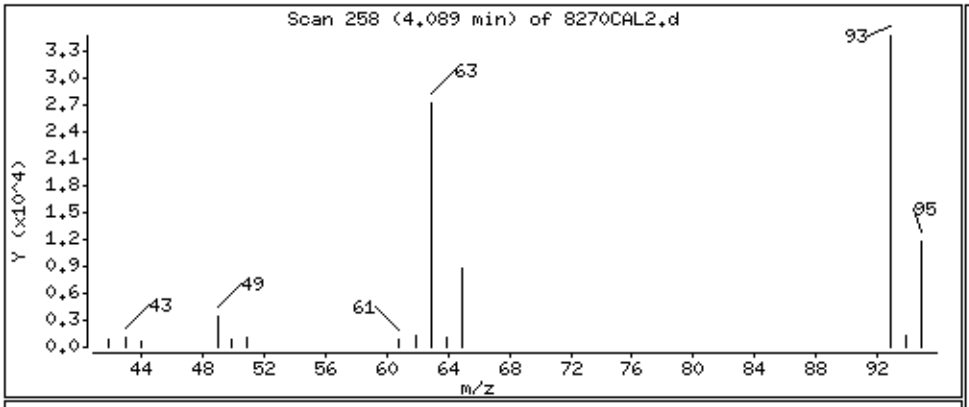
Client ID: 8270CAL2 Instrument: smsd04.i

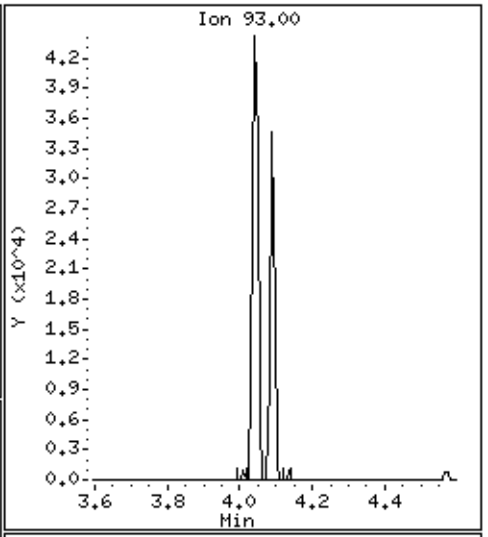
Sample Info: 47768

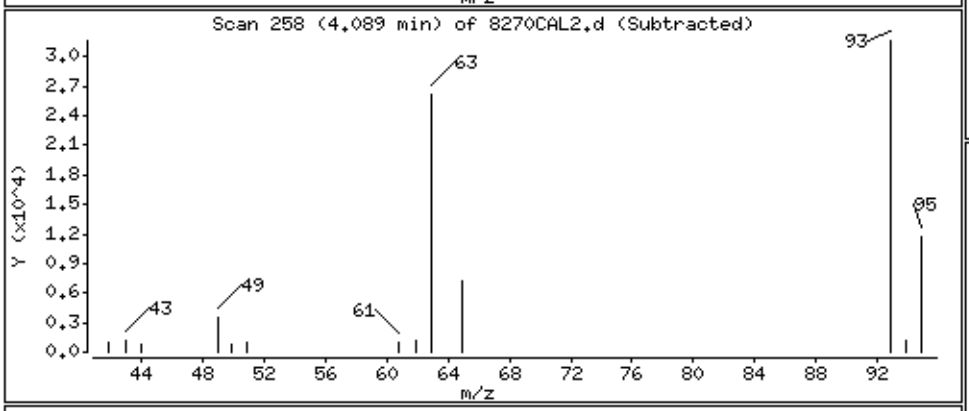
Operator: MJ

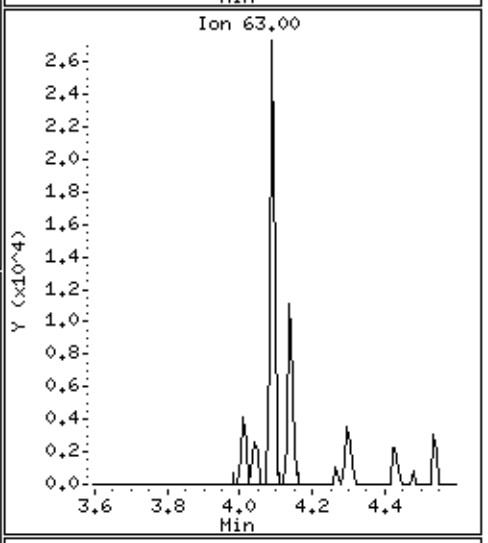
Column phase: HPMS-5 Column diameter: 0.25

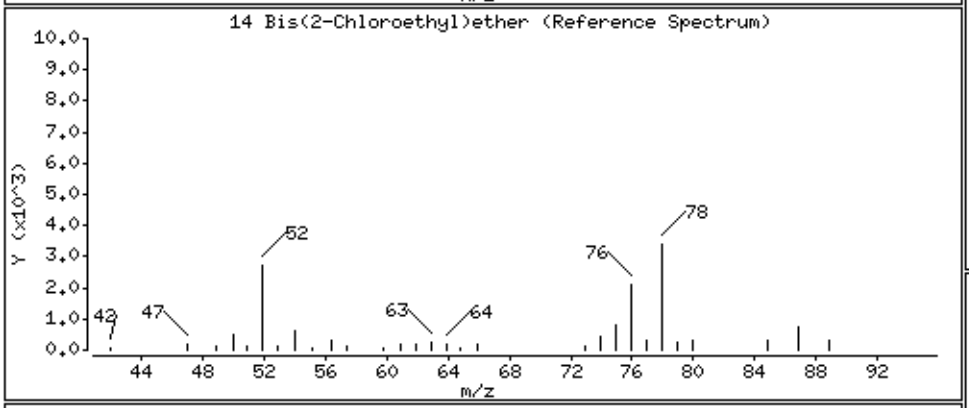
14 Bis(2-Chloroethyl)ether Concentration: 9.7 ug/kg

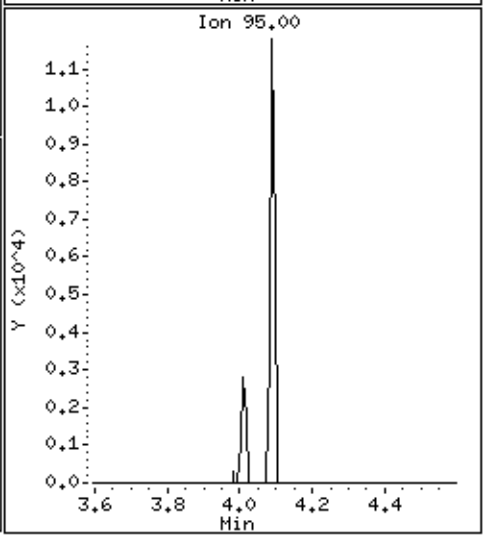


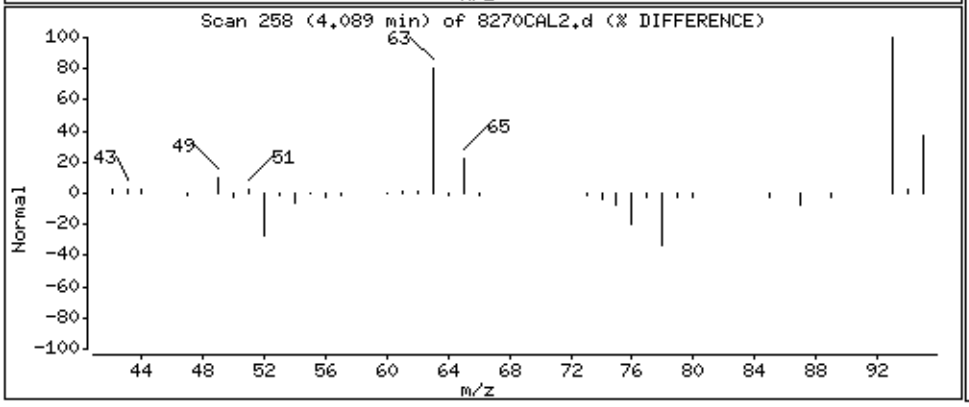












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

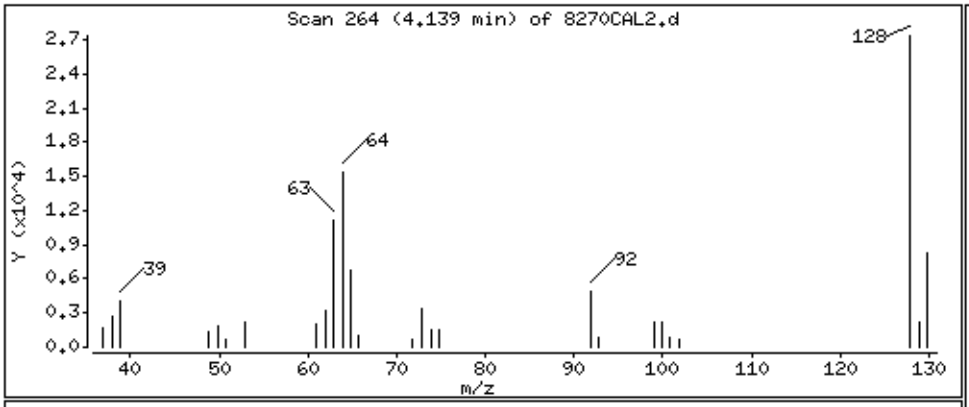
Client ID: 8270CAL2 Instrument: smsd04.i

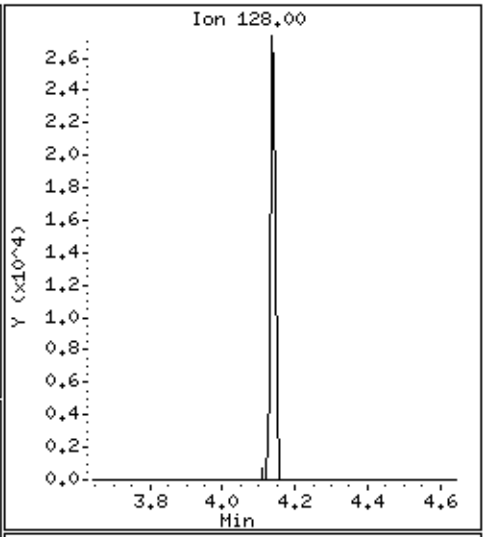
Sample Info: 47768

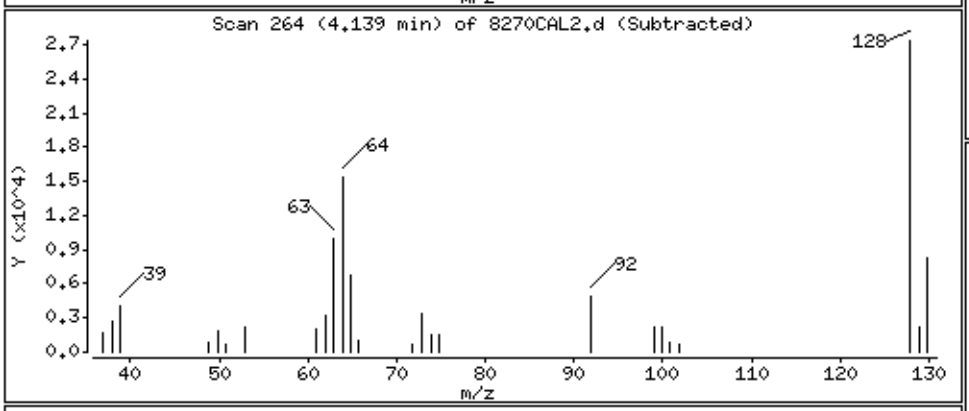
Operator: MJ

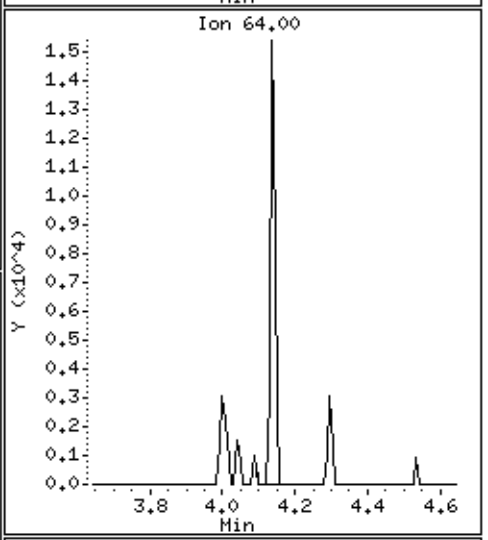
Column phase: HPMS-5 Column diameter: 0.25

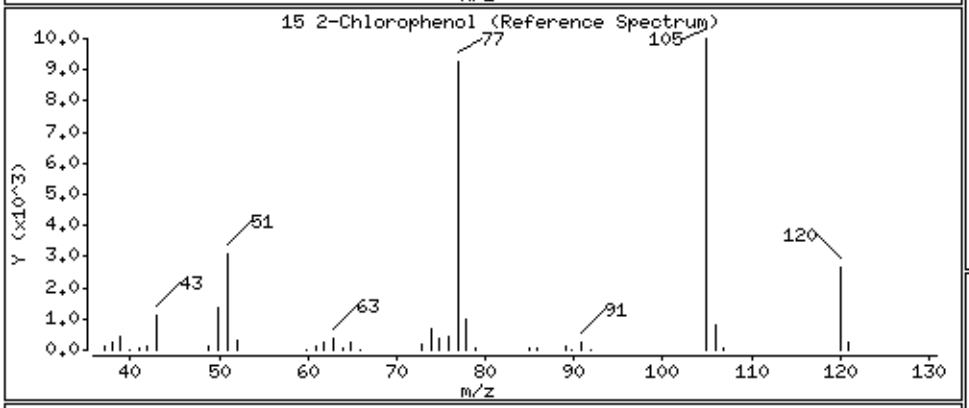
15 2-Chlorophenol Concentration: 10.1 ug/kg

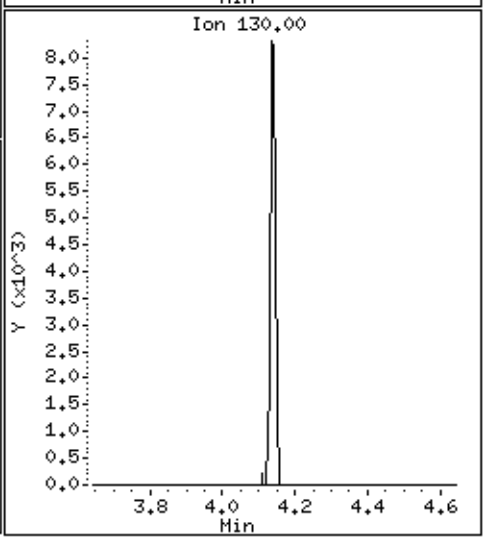


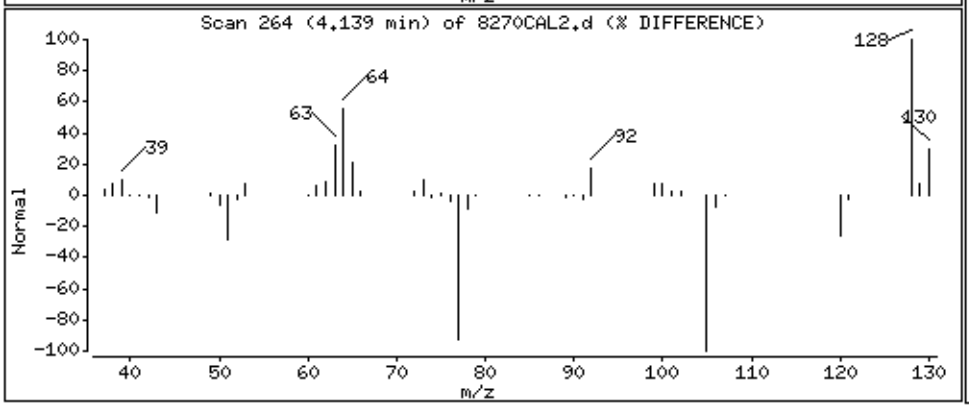












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

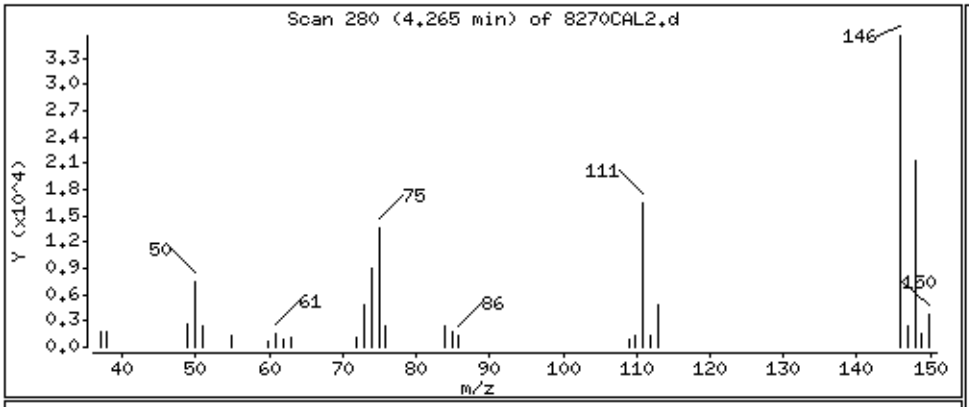
Operator: MJ

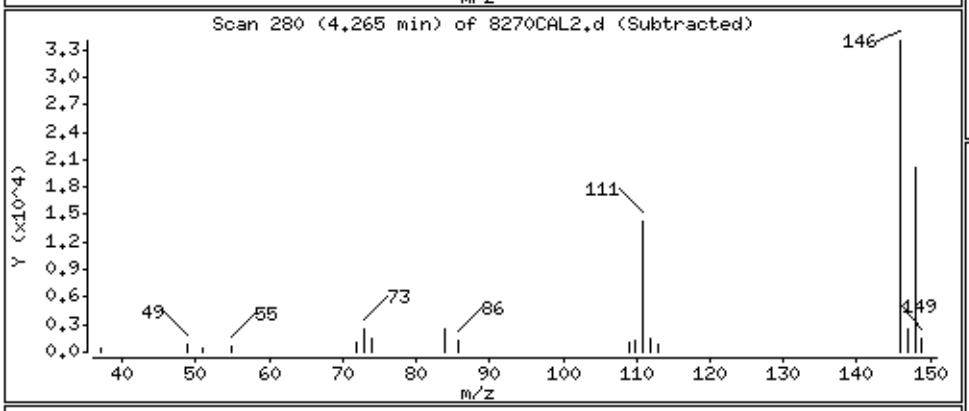
Column phase: HPMS-5

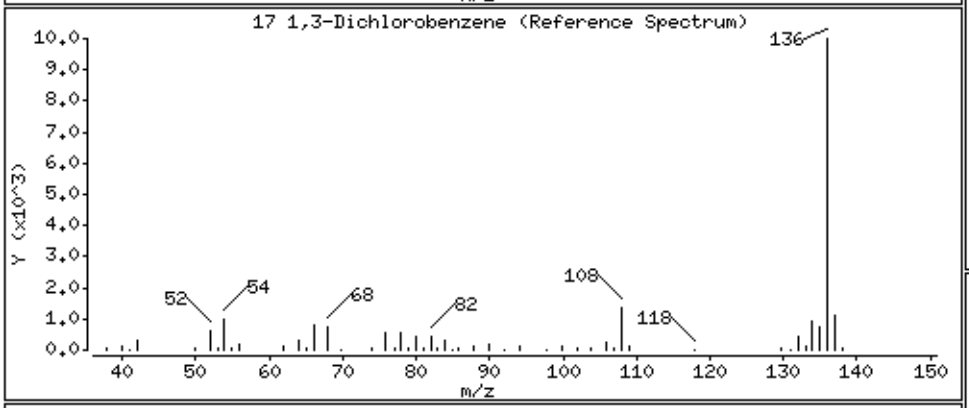
Column diameter: 0.25

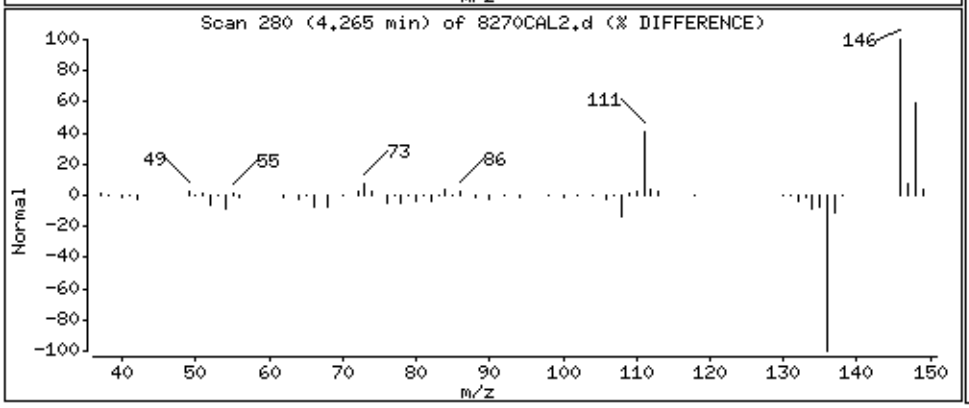
17 1,3-Dichlorobenzene

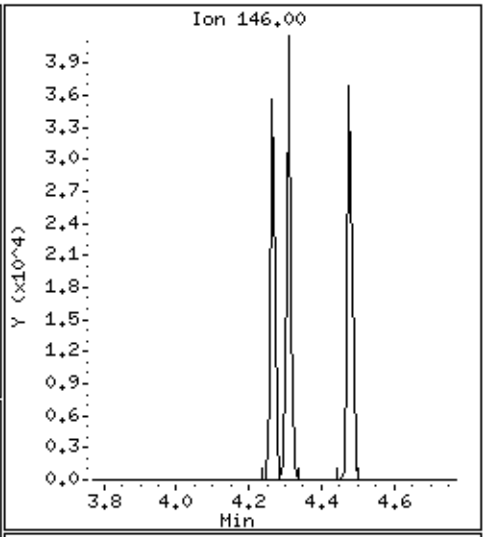
Concentration: 10.2 ug/kg

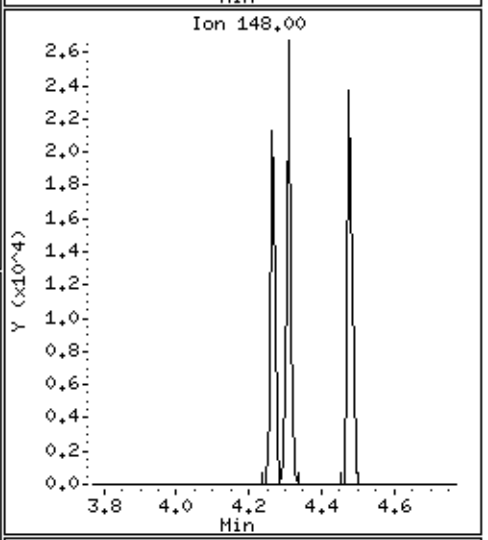


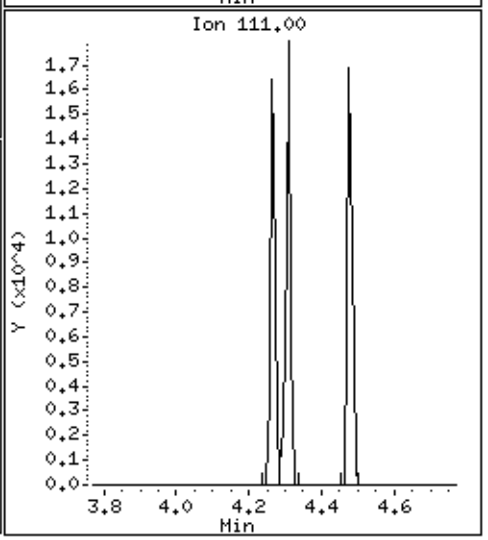












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

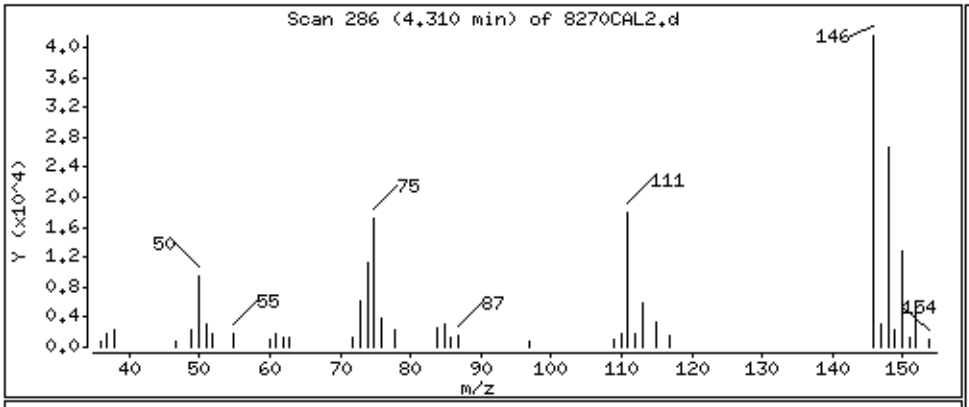
Operator: MJ

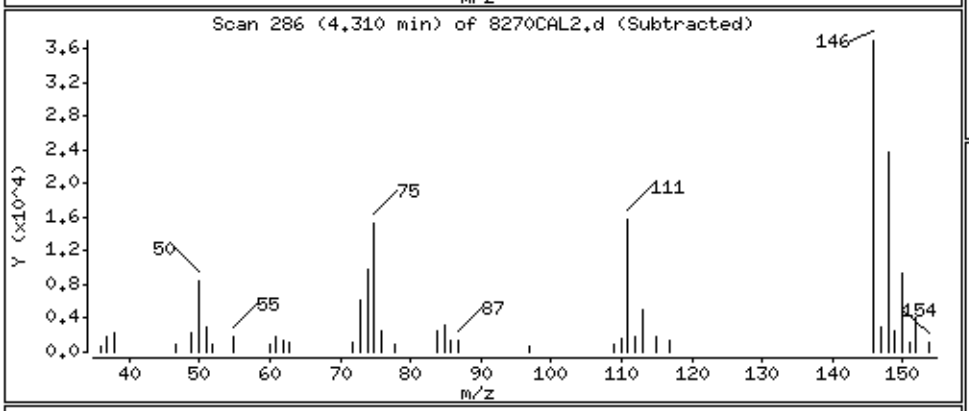
Column phase: HPMS-5

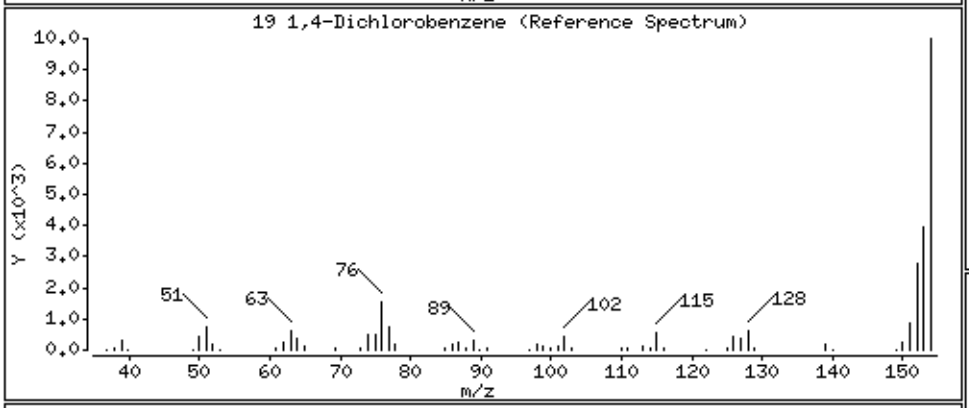
Column diameter: 0.25

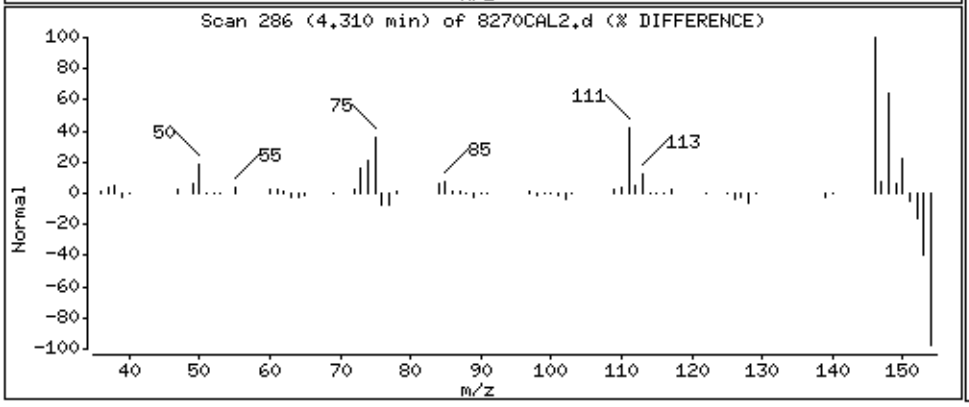
19 1,4-Dichlorobenzene

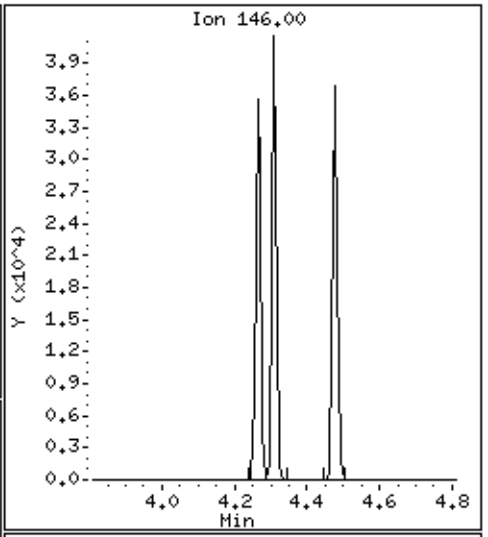
Concentration: 10.1 ug/kg

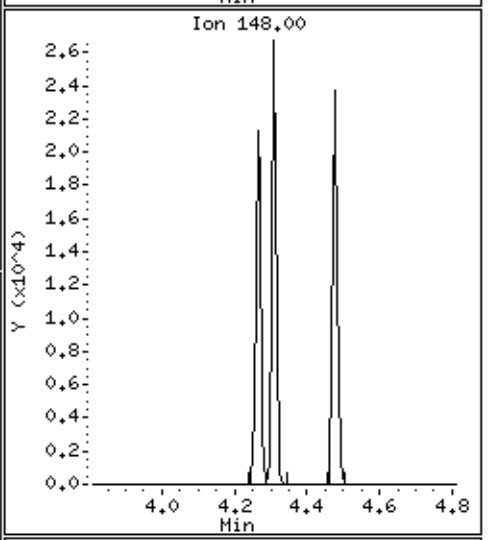


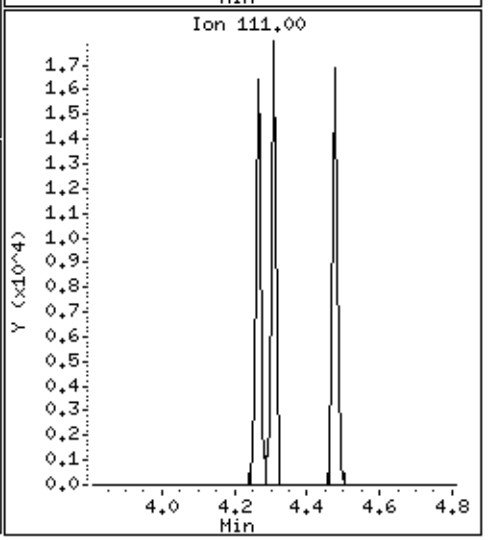












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

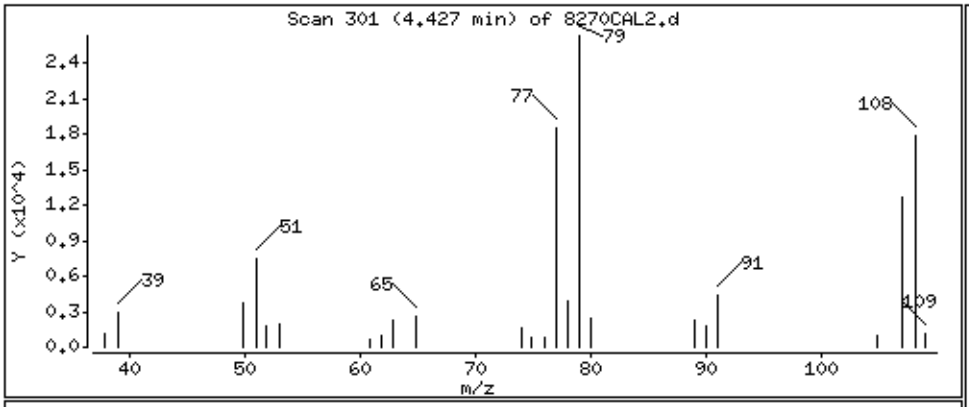
Operator: MJ

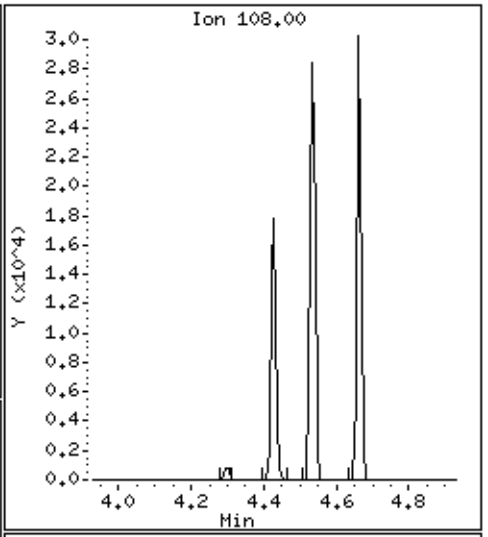
Column phase: HPMS-5

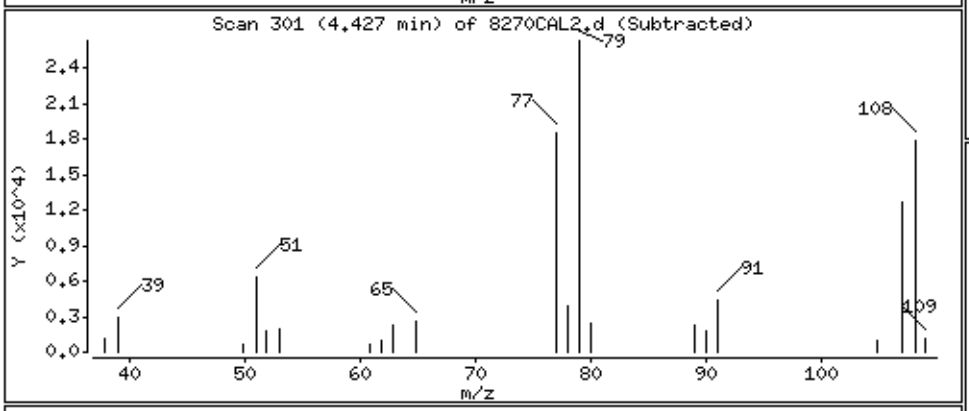
Column diameter: 0.25

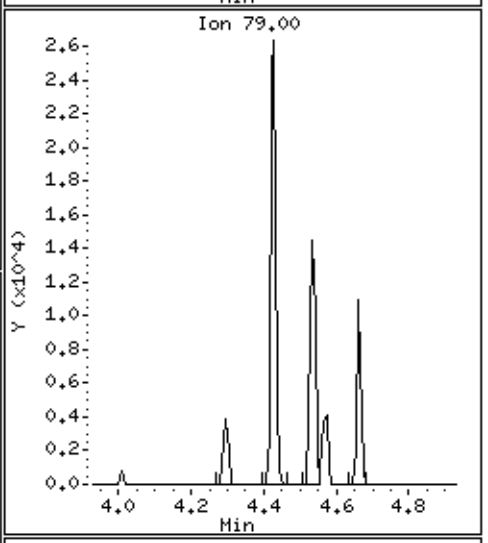
21 Benzyl alcohol

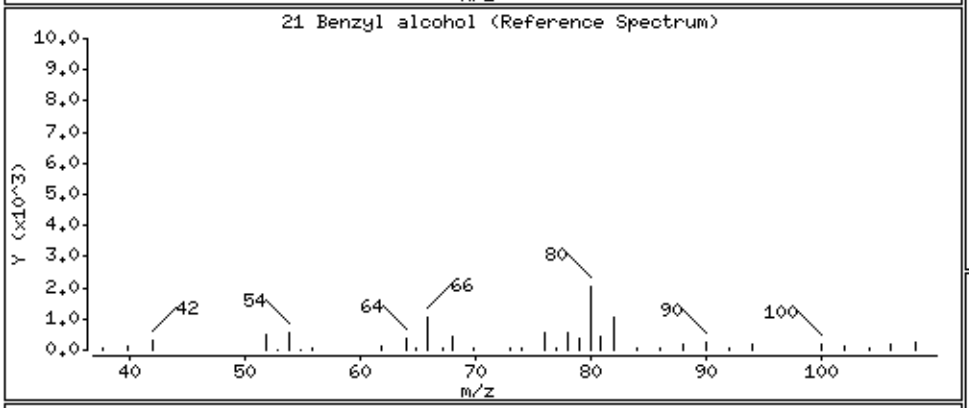
Concentration: 9.2 ug/kg

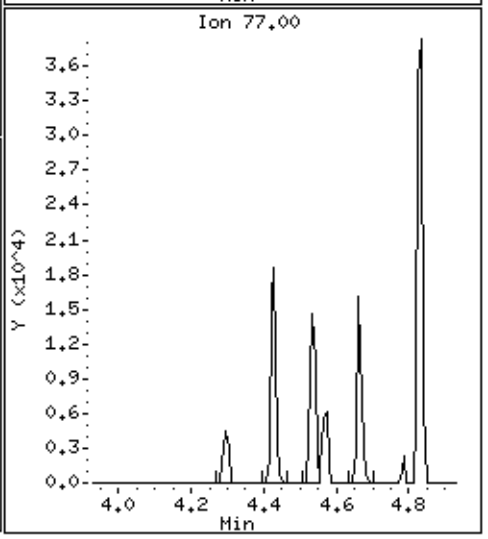


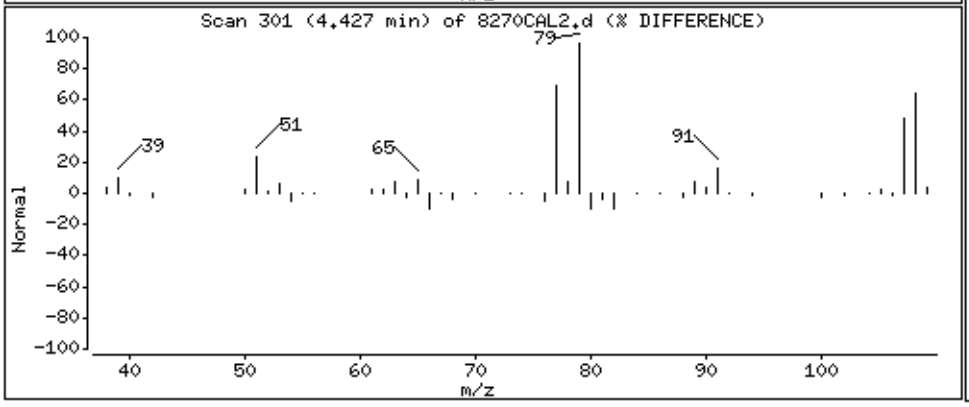












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

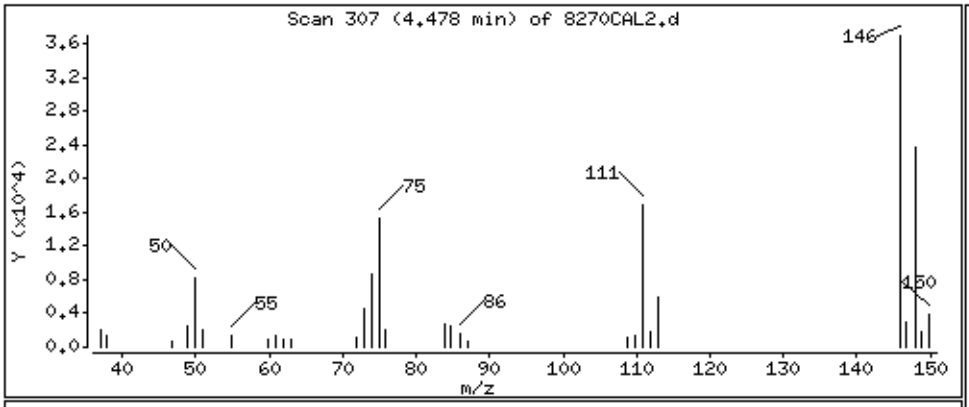
Operator: MJ

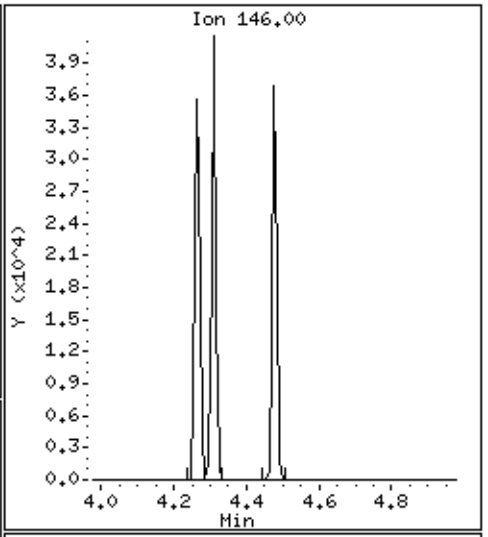
Column phase: HPMS-5

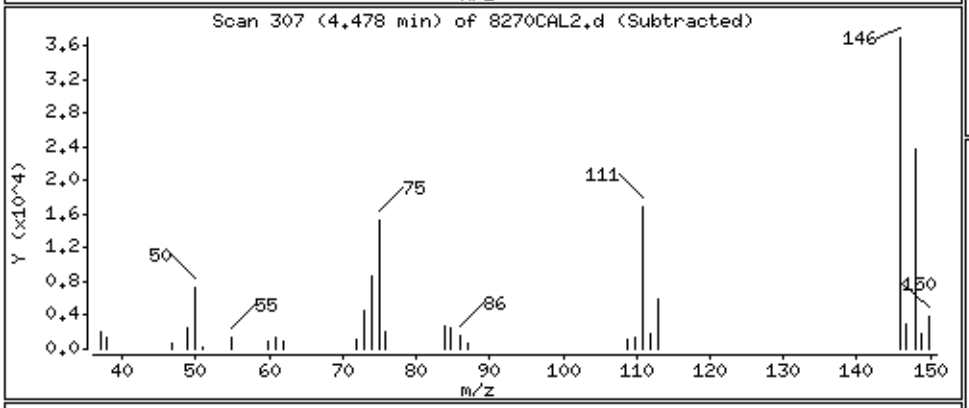
Column diameter: 0.25

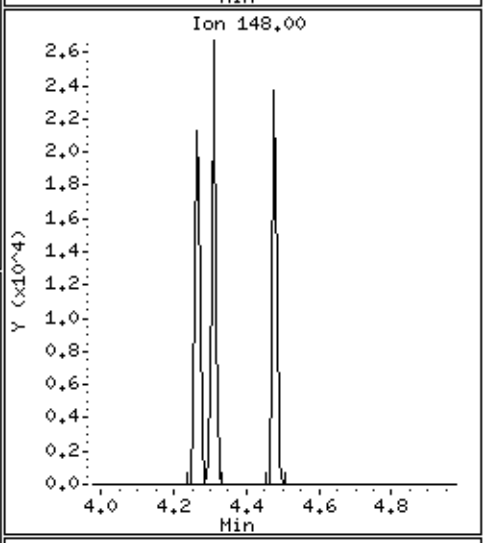
20 1,2-Dichlorobenzene

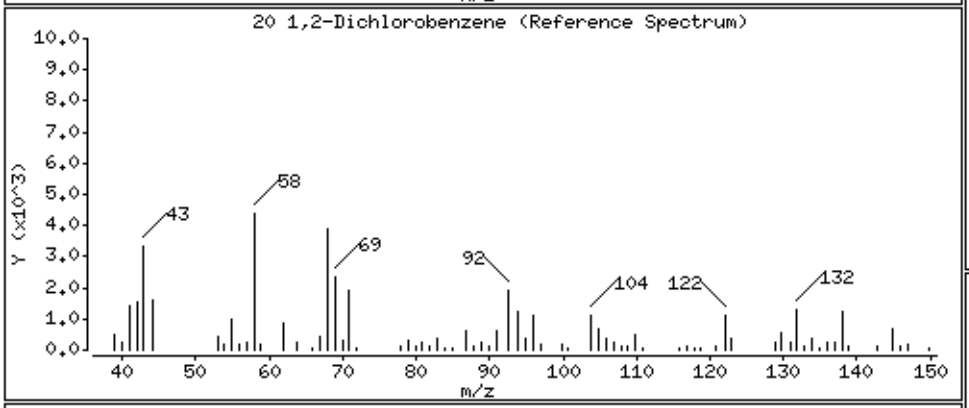
Concentration: 9.9 ug/kg

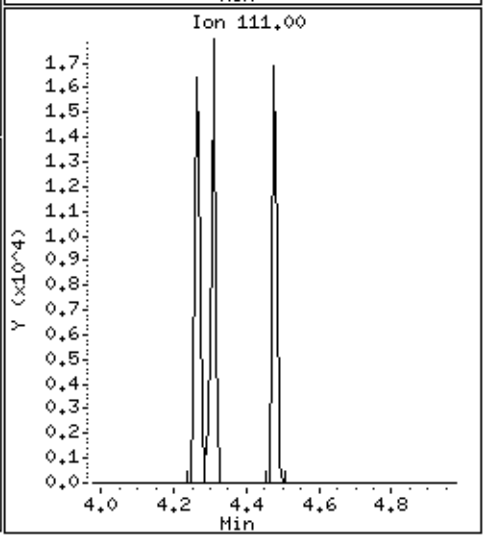


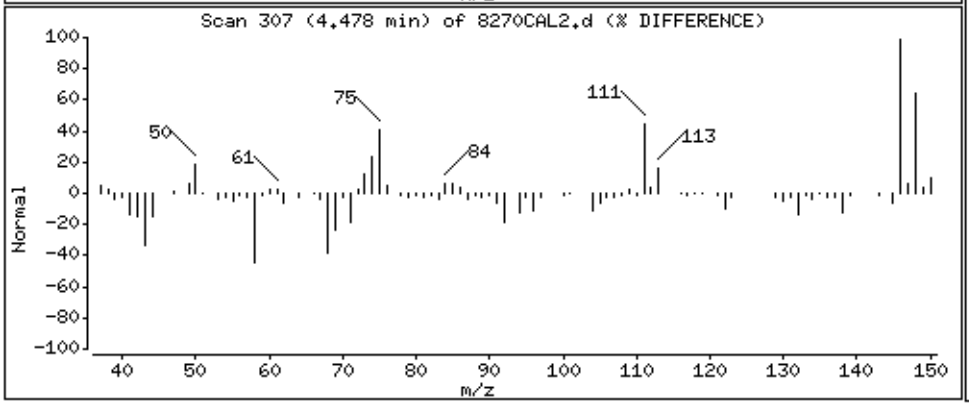












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

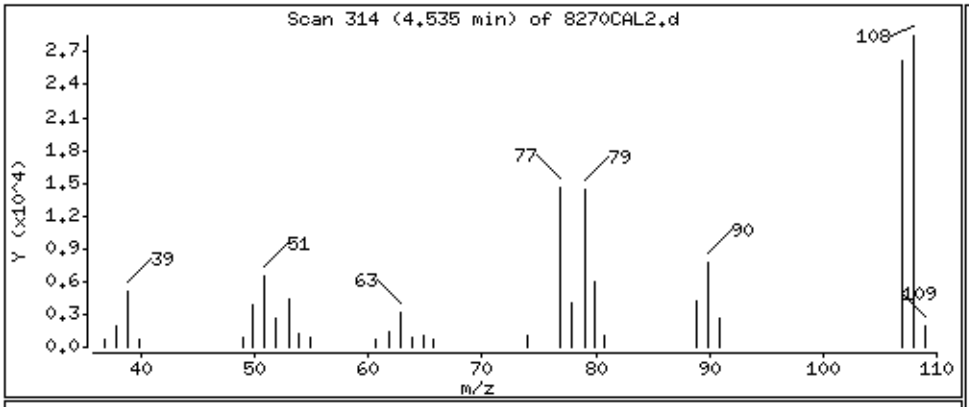
Operator: MJ

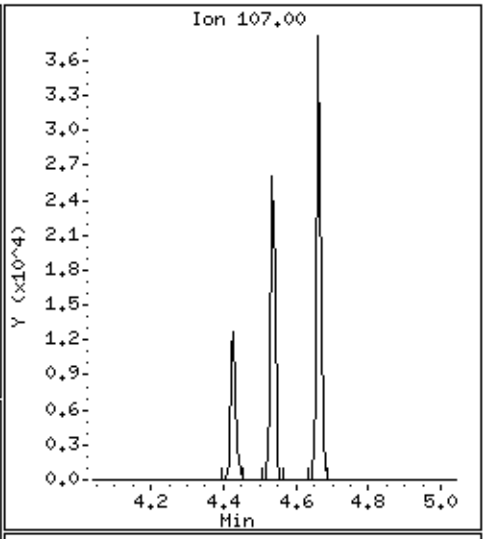
Column phase: HPMS-5

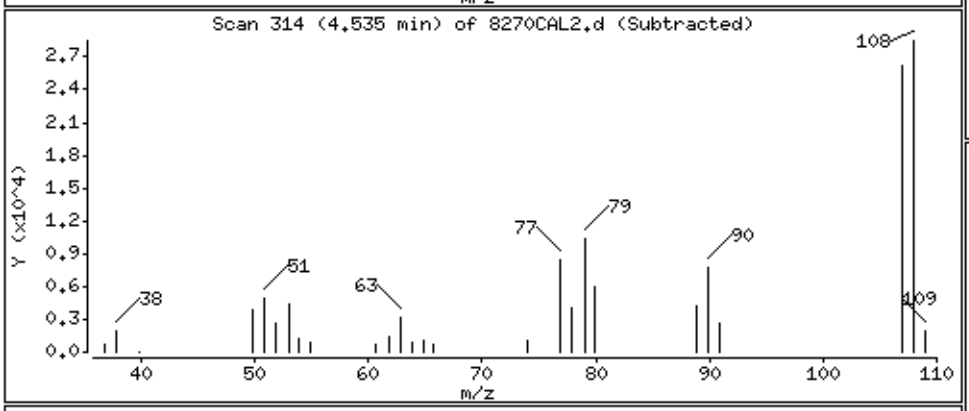
Column diameter: 0.25

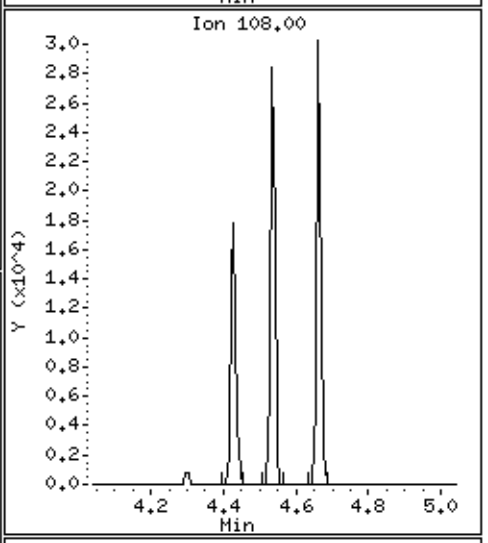
22 2-Methylphenol

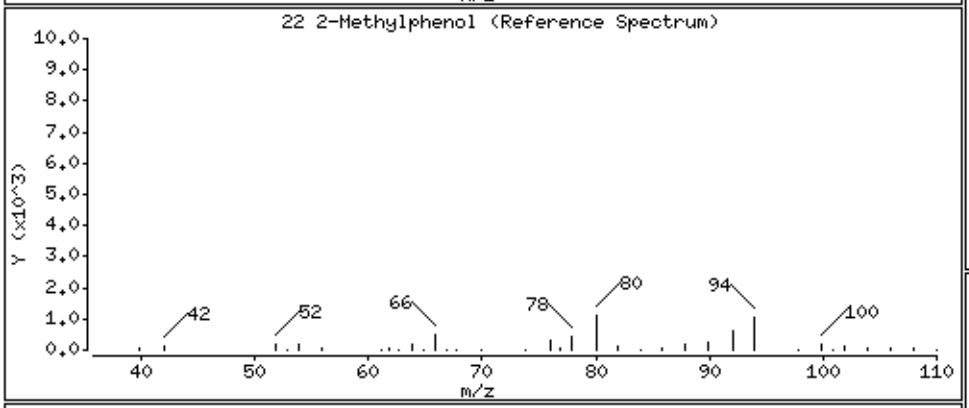
Concentration: 10.2 ug/kg

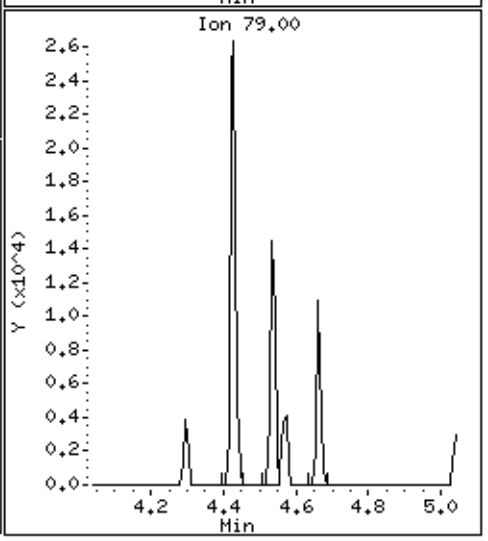


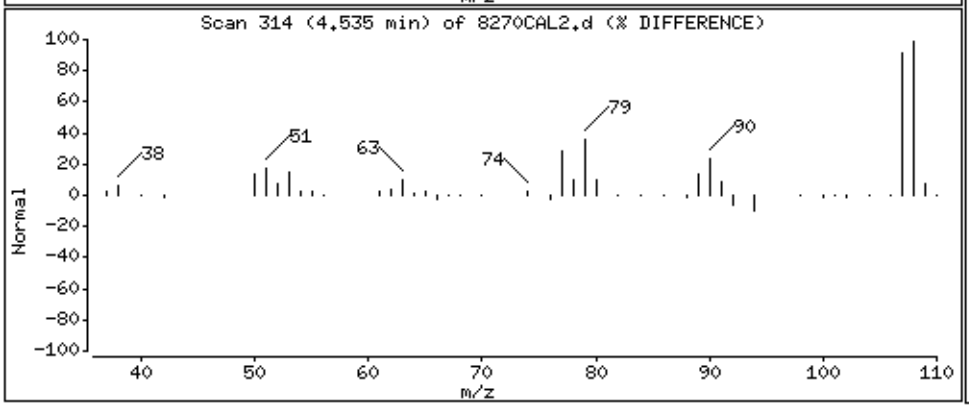












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

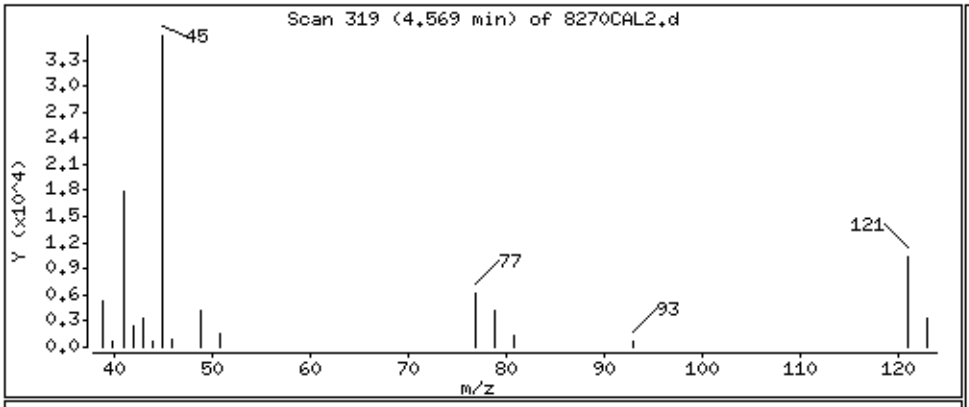
Operator: MJ

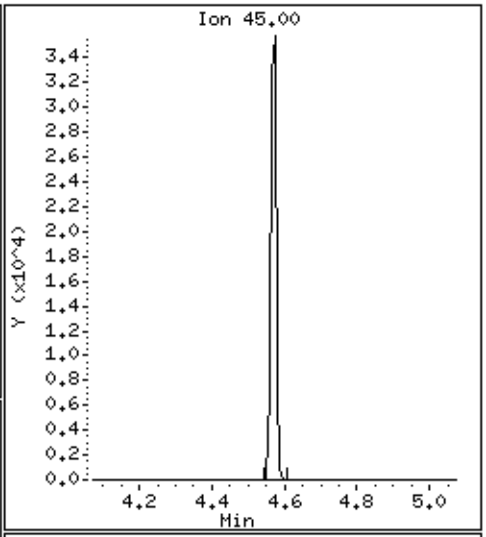
Column phase: HPMS-5

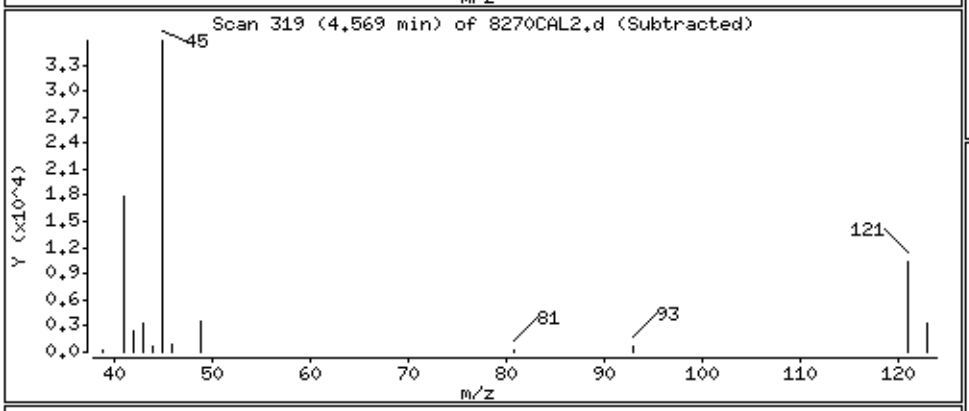
Column diameter: 0.25

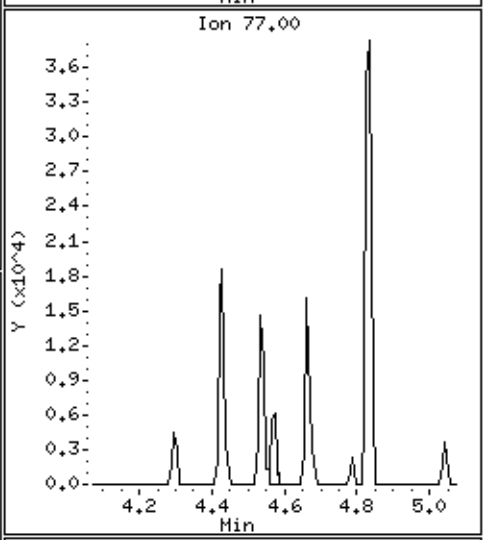
23 2,2'-oxybis(1-chloropropane)

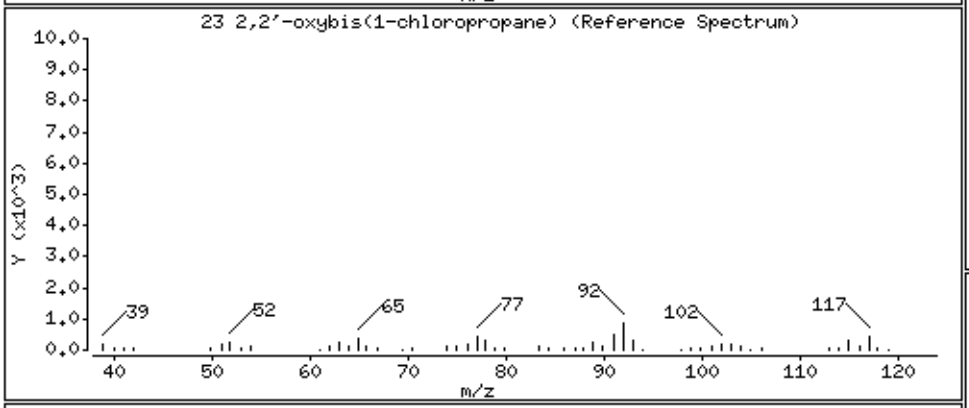
Concentration: 10.3 ug/kg

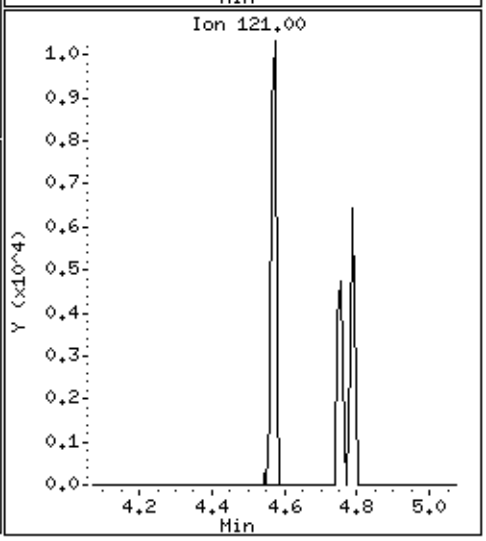


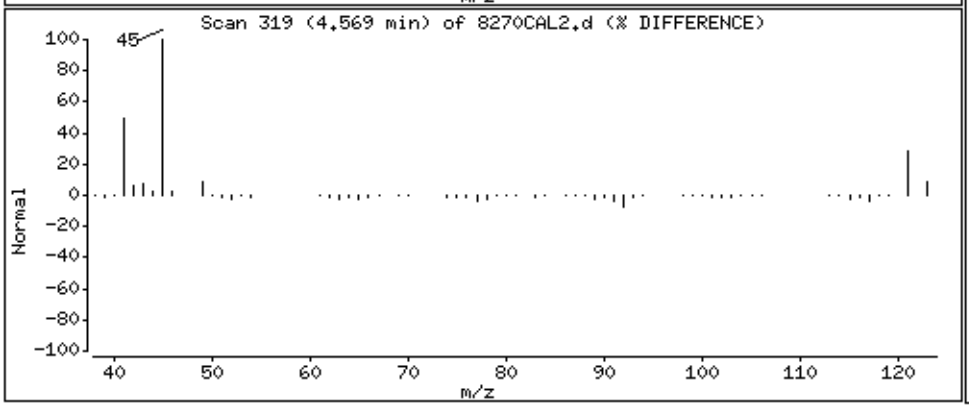












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

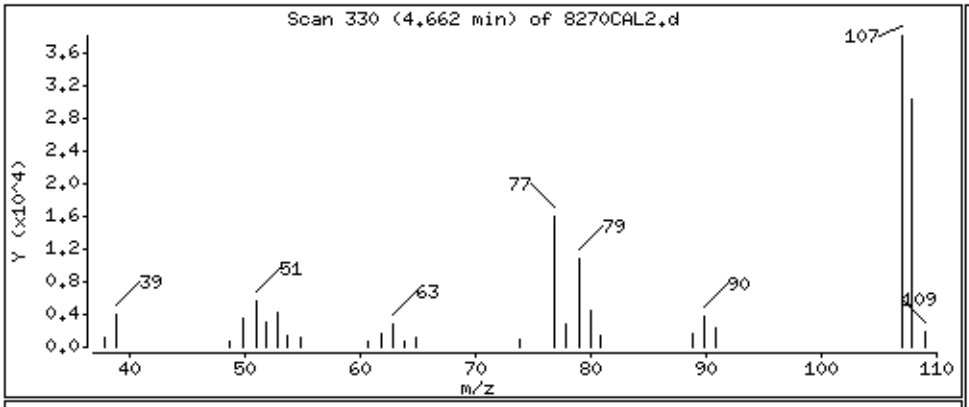
Client ID: 8270CAL2 Instrument: smsd04.i

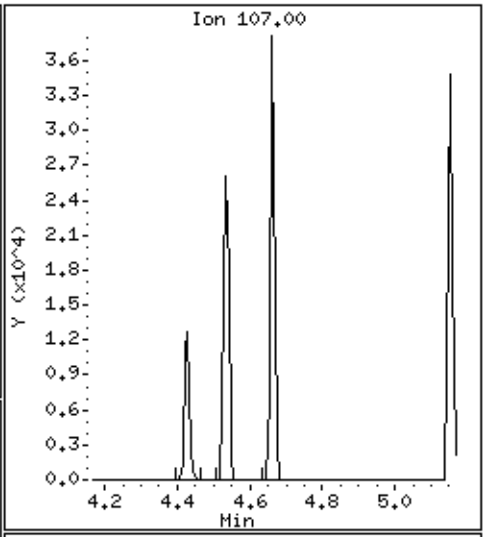
Sample Info: 47768

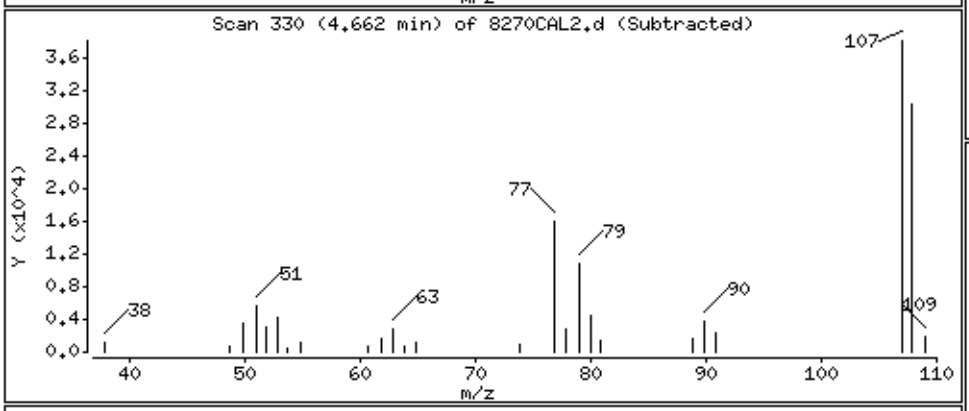
Operator: MJ

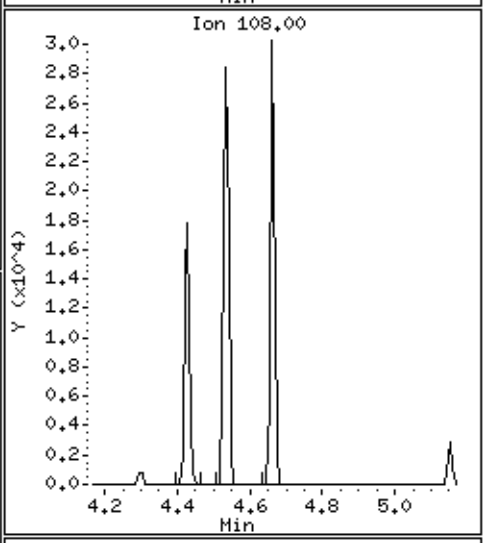
Column phase: HPMS-5 Column diameter: 0.25

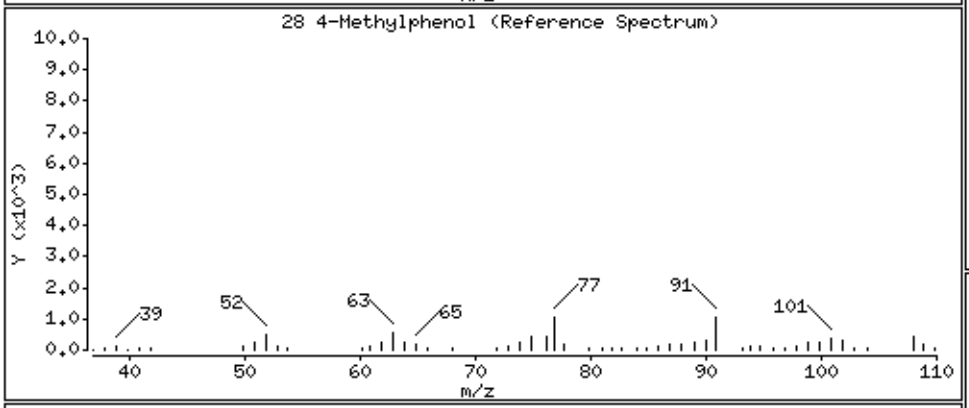
28 4-Methylphenol Concentration: 9.7 ug/kg

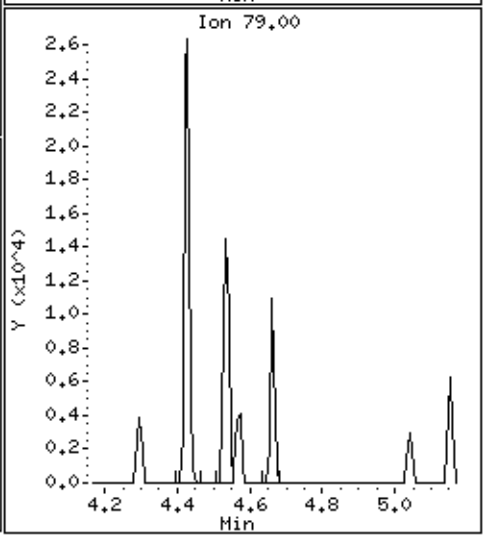


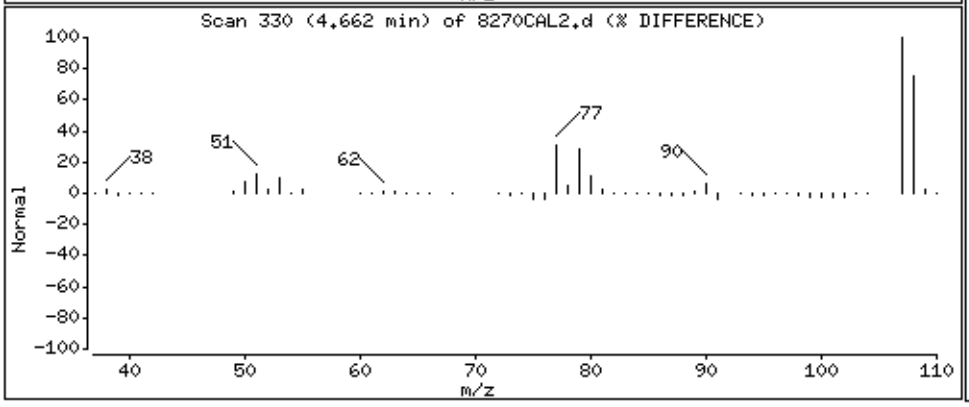












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

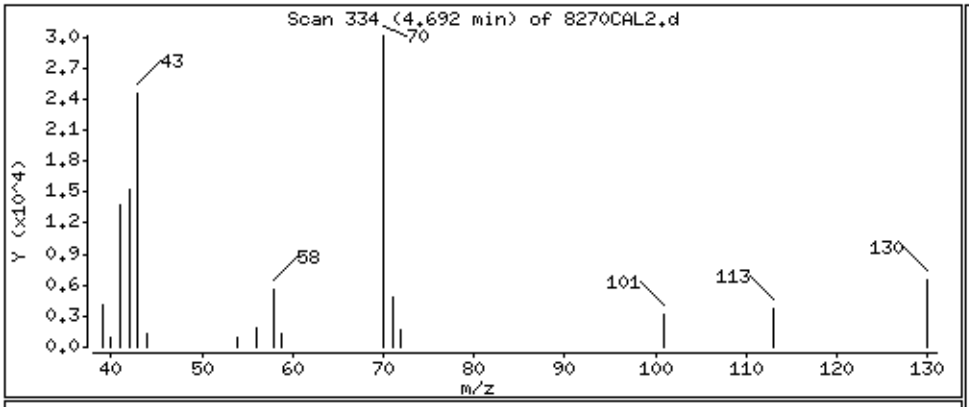
Client ID: 8270CAL2 Instrument: smsd04.i

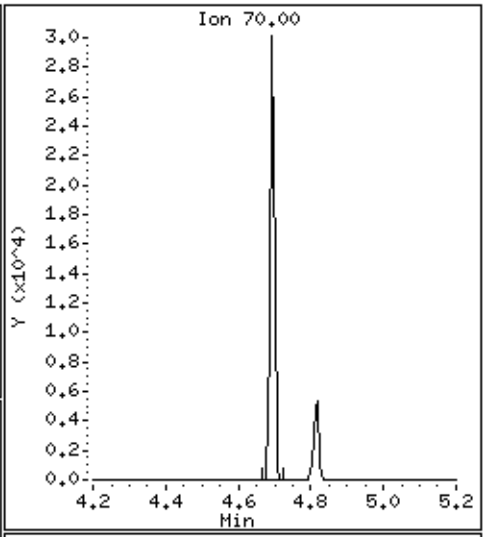
Sample Info: 47768

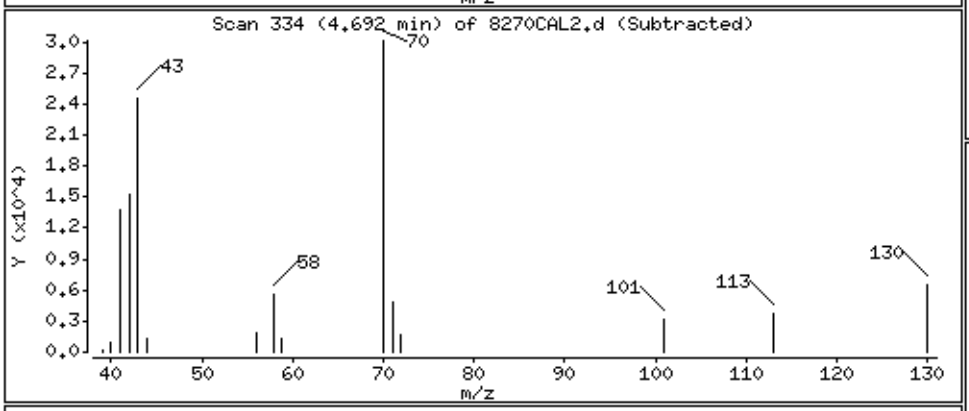
Operator: MJ

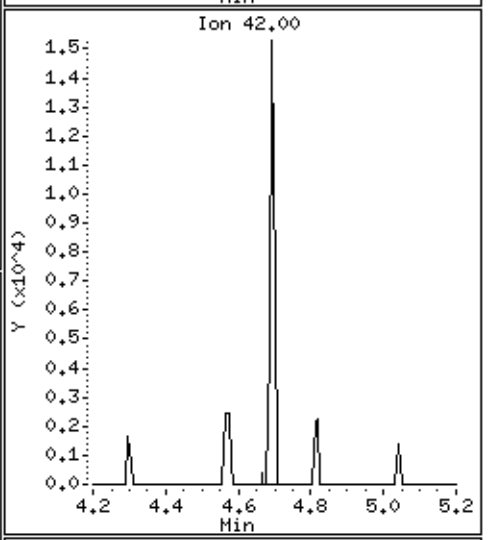
Column phase: HPMS-5 Column diameter: 0.25

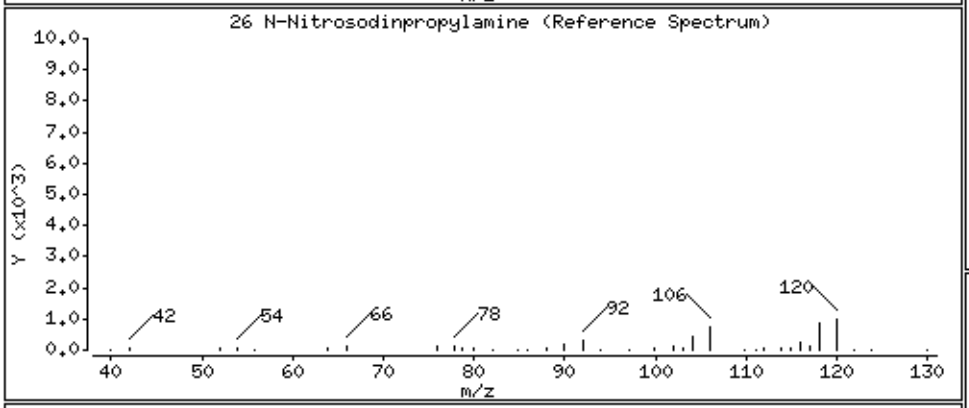
26 N-Nitrosodinpropylamine Concentration: 9.8 ug/kg

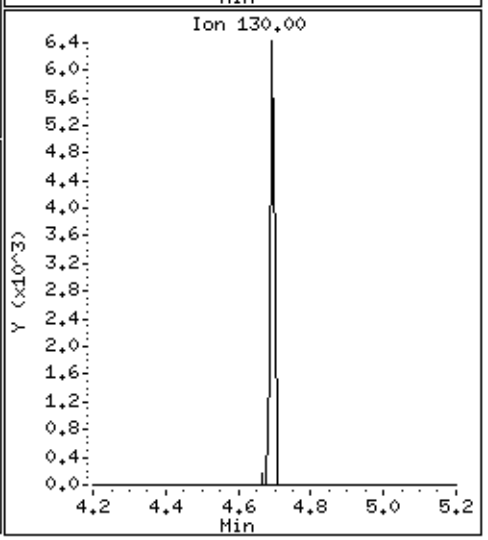


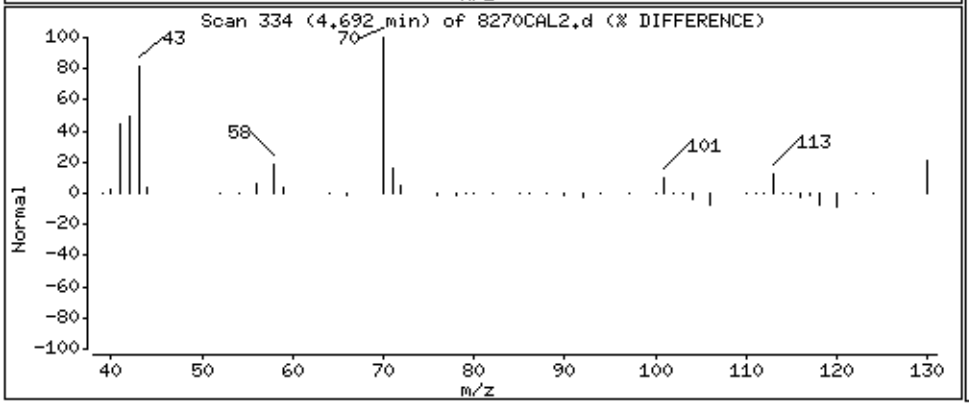












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

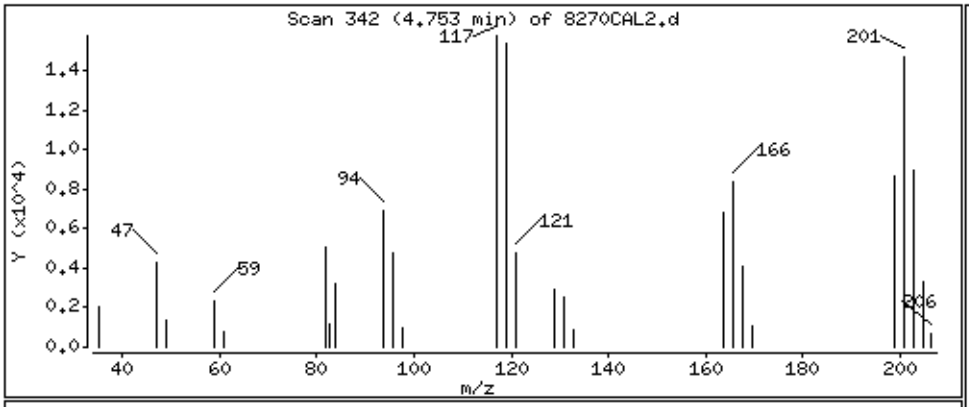
Operator: MJ

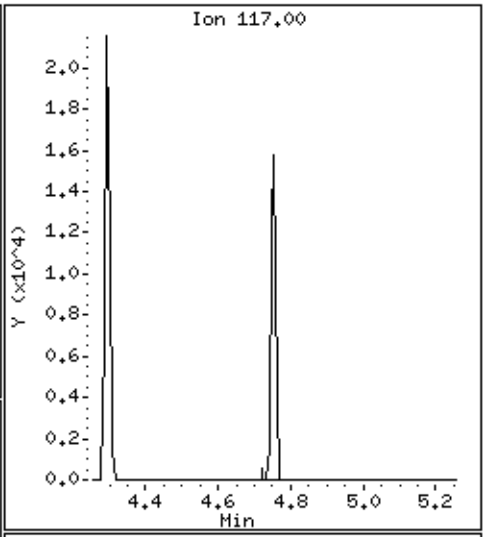
Column phase: HPMS-5

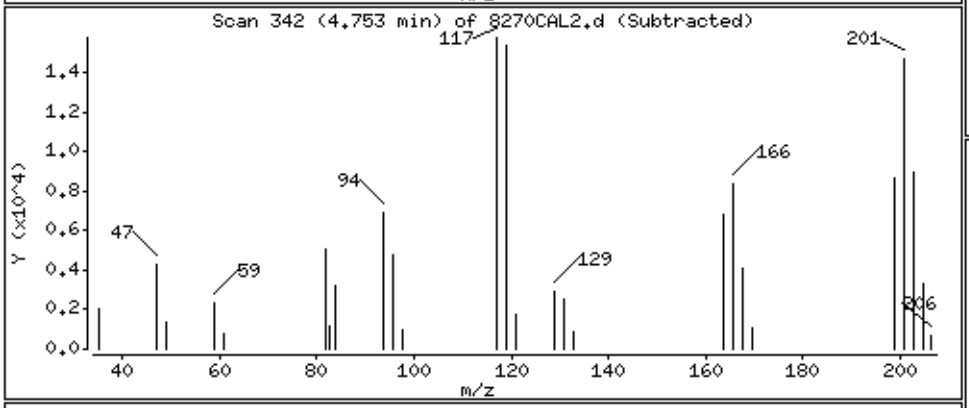
Column diameter: 0.25

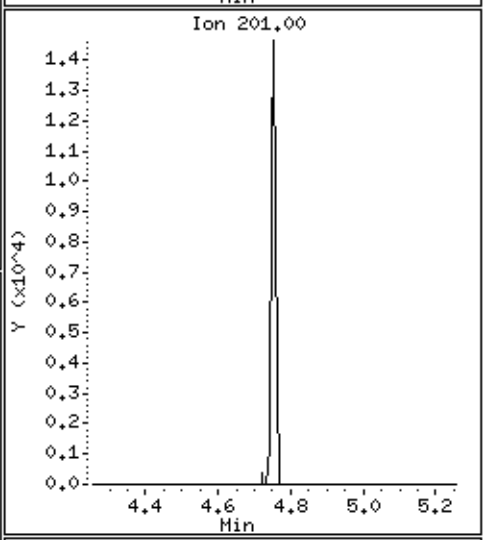
30 Hexachloroethane

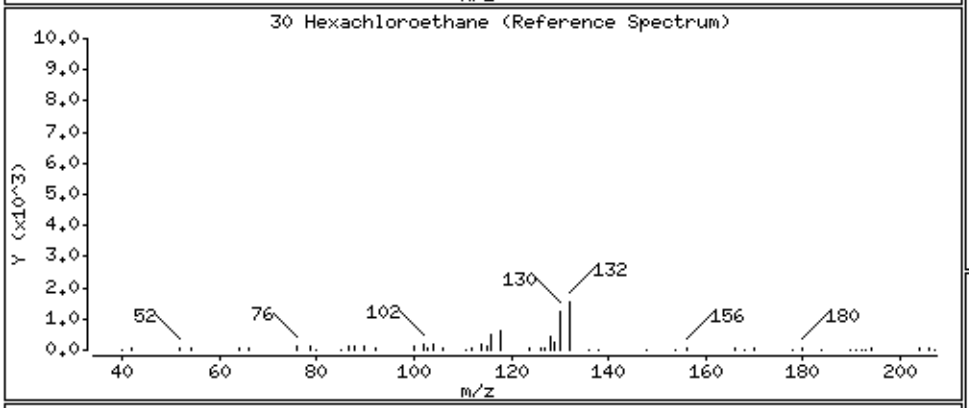
Concentration: 10.2 ug/kg

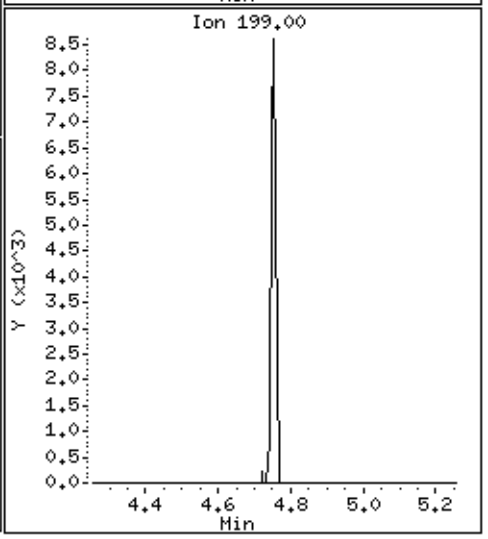


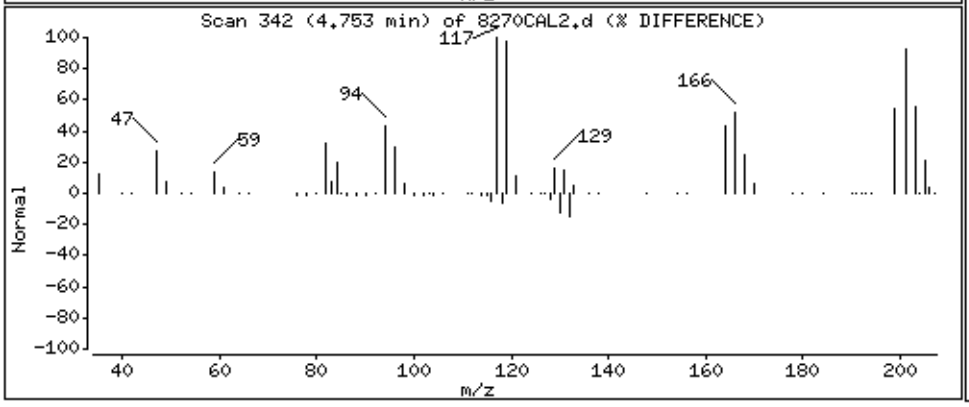












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

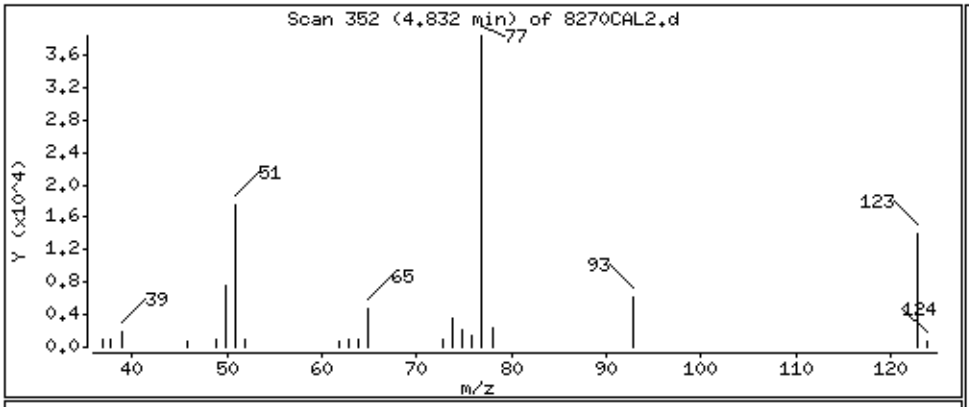
Operator: MJ

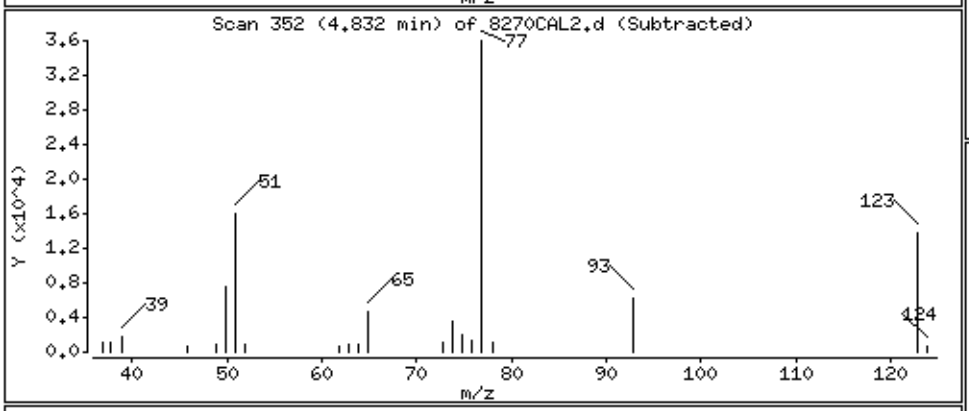
Column phase: HPMS-5

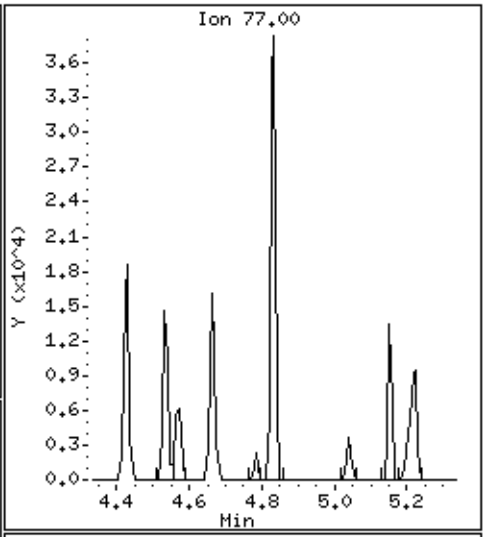
Column diameter: 0.25

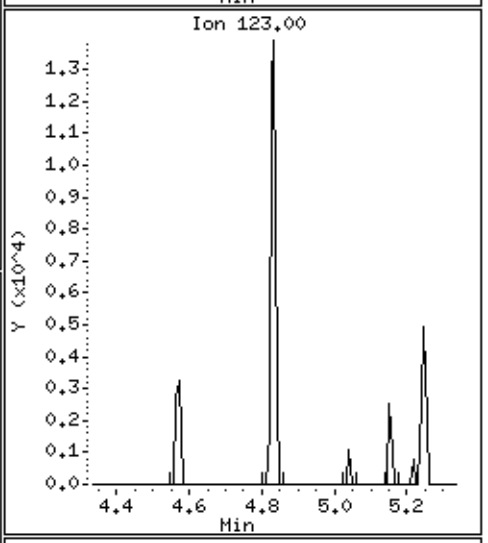
32 Nitrobenzene

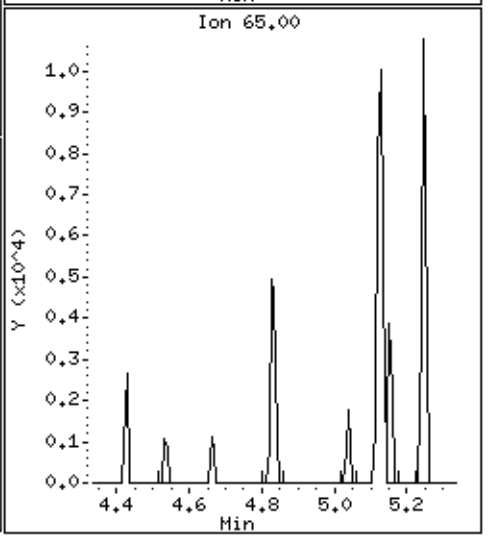
Concentration: 10.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

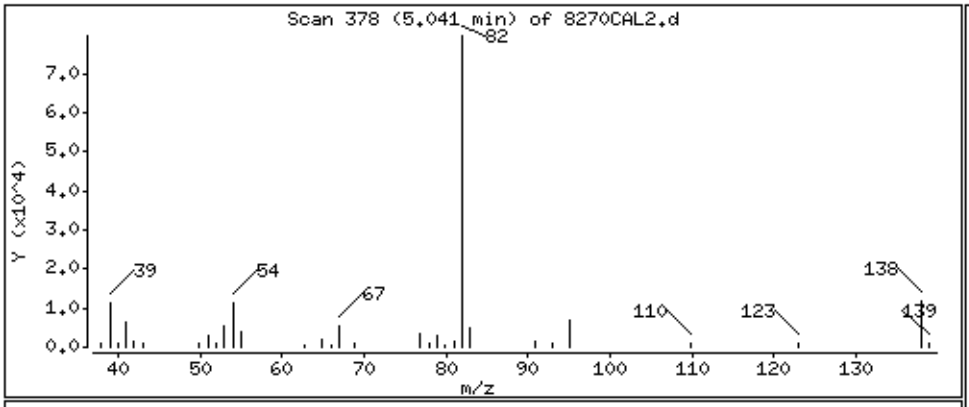
Operator: MJ

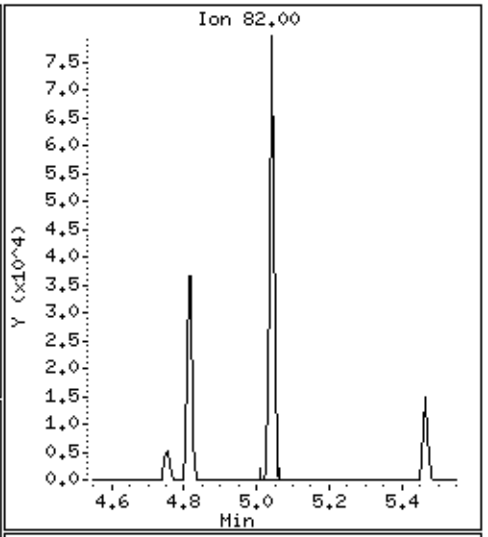
Column phase: HPMS-5

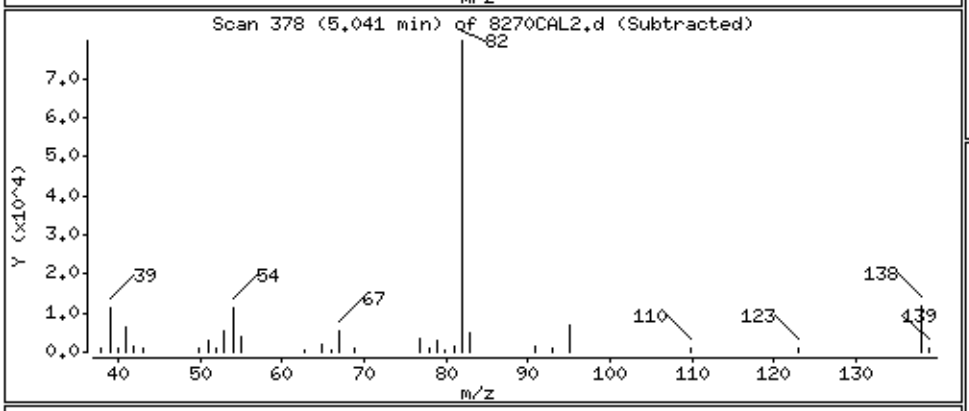
Column diameter: 0.25

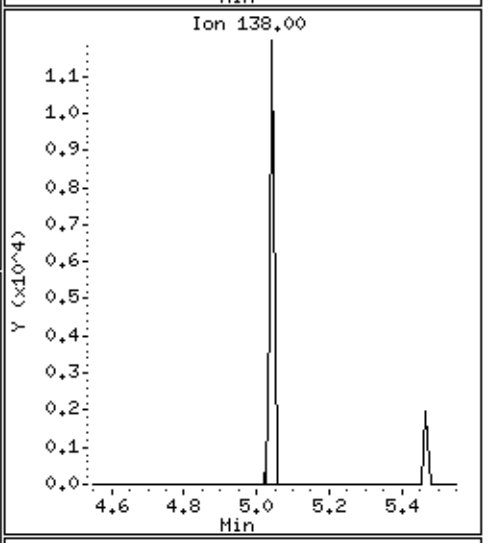
34 Isophorone

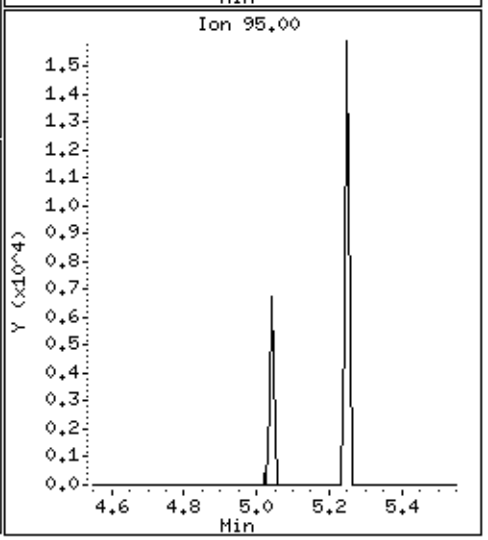
Concentration: 9.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

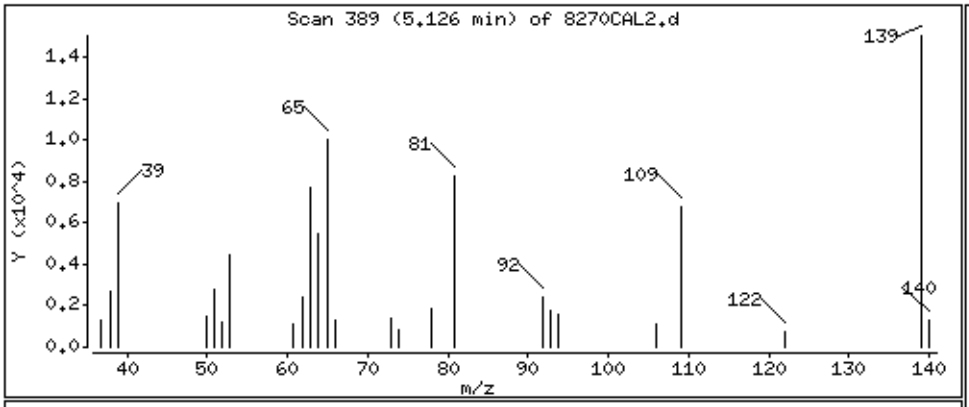
Operator: MJ

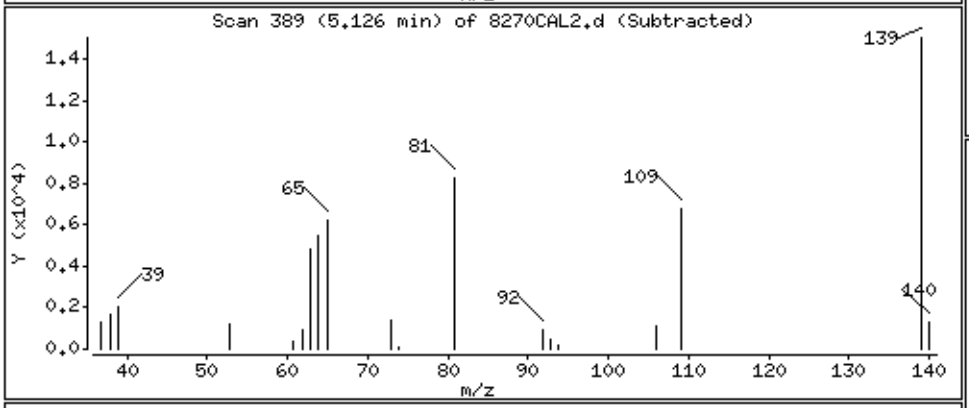
Column phase: HPMS-5

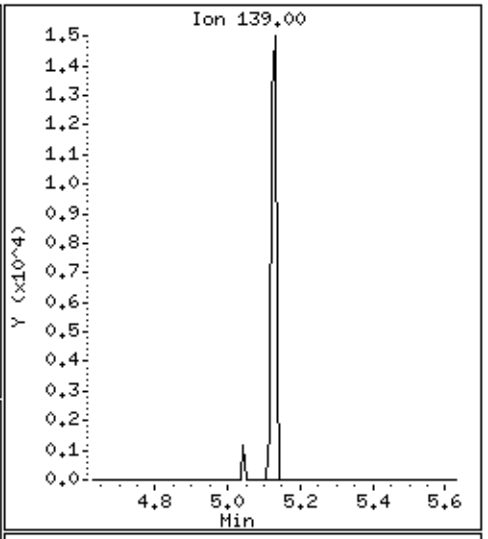
Column diameter: 0.25

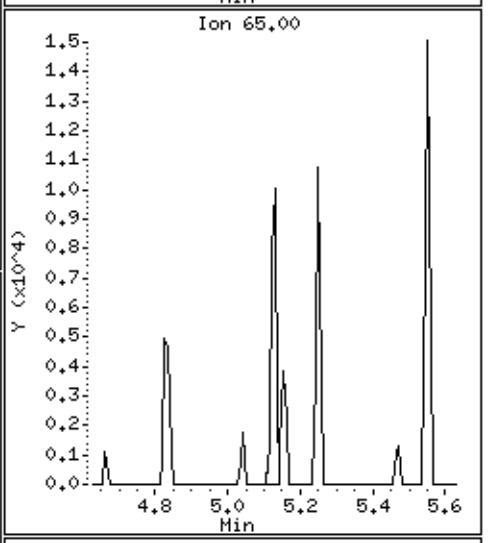
35 2-Nitrophenol

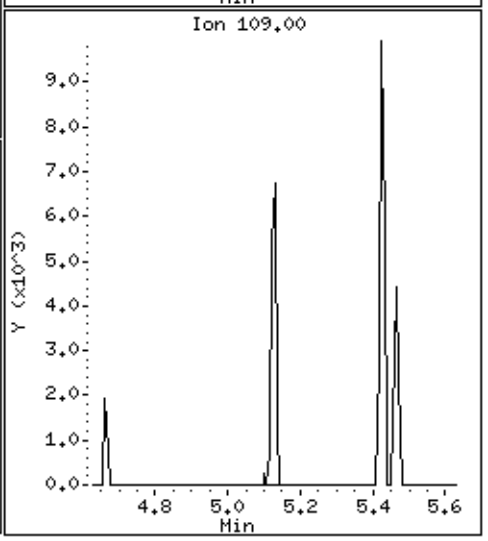
Concentration: 9.5 ug/kg











Date : 15-NOV-2012 00:25

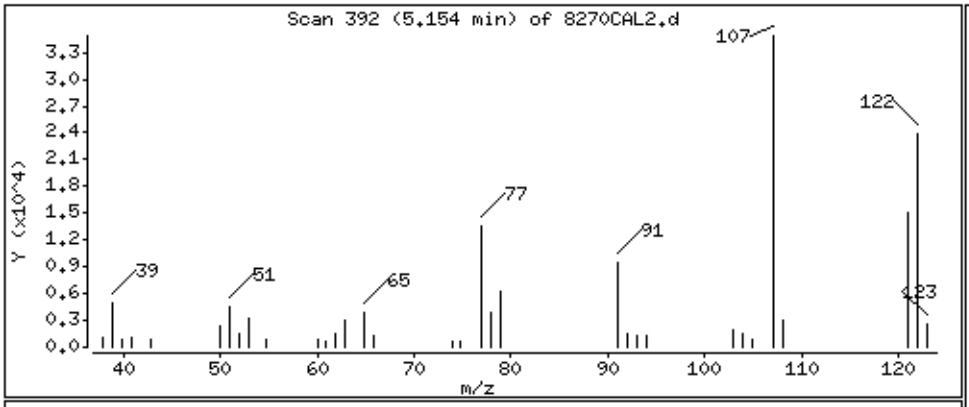
Client ID: 8270CAL2 Instrument: smsd04.i

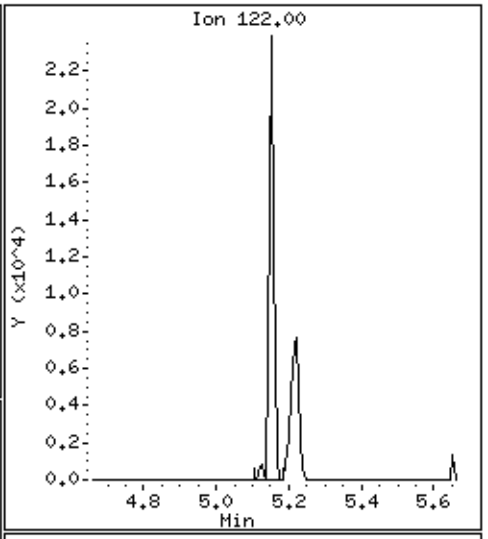
Sample Info: 47768

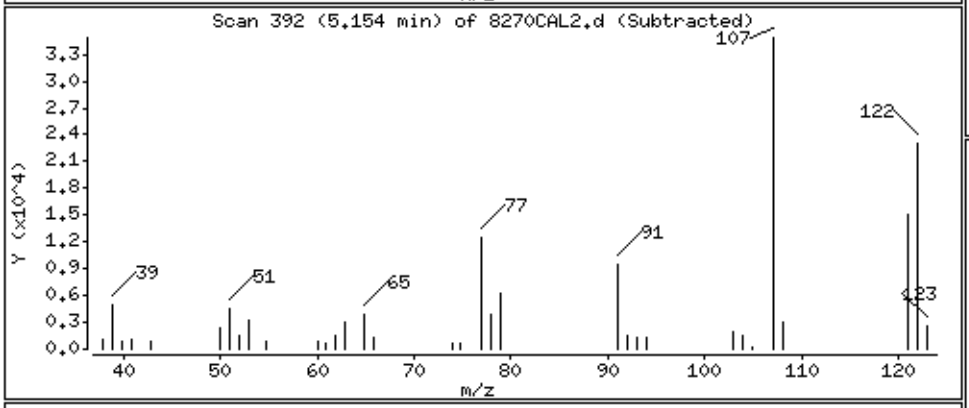
Operator: MJ

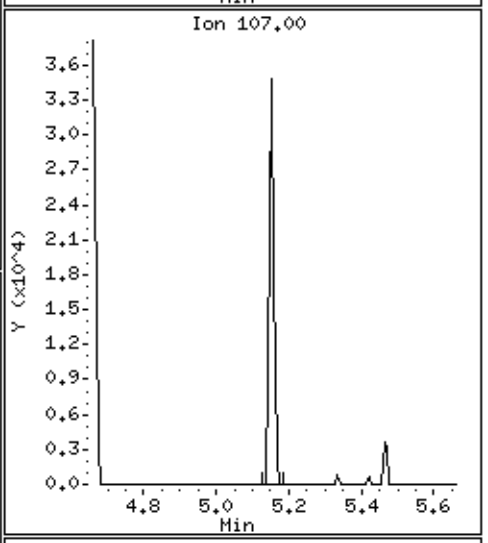
Column phase: HPMS-5 Column diameter: 0.25

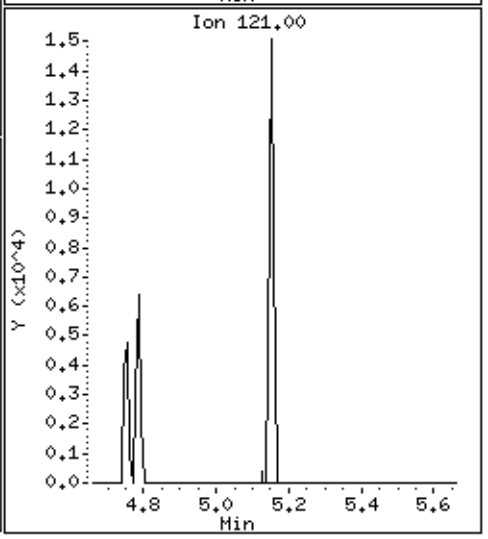
36 2,4-Dimethylphenol Concentration: 8.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

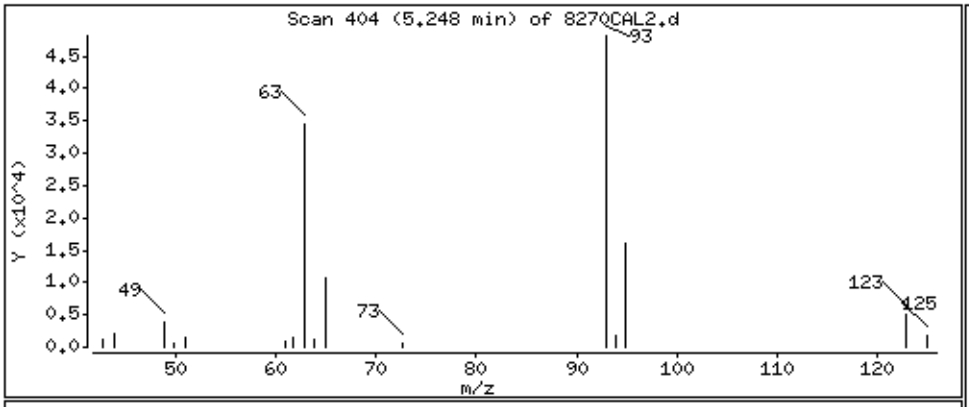
Operator: MJ

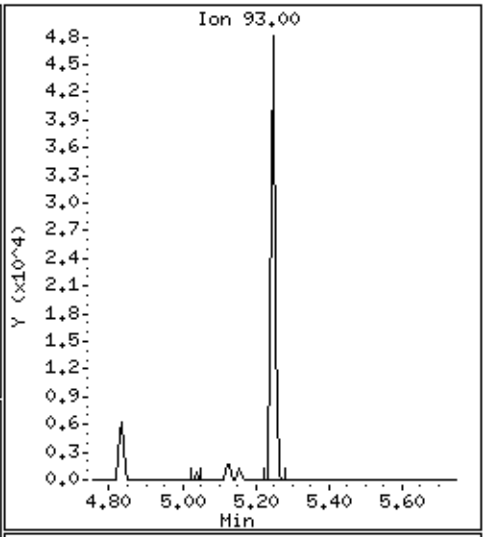
Column phase: HPMS-5

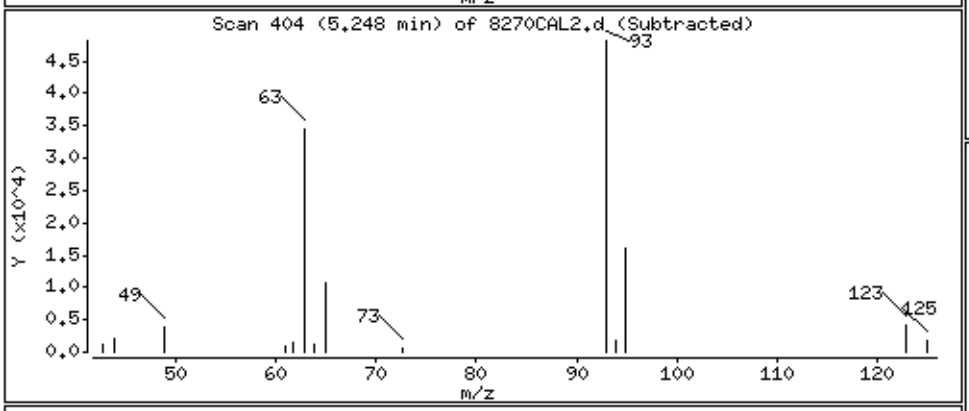
Column diameter: 0.25

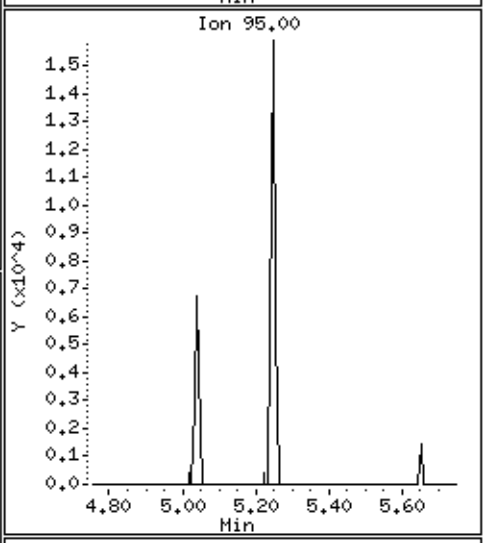
38 Bis(2-Chloroethoxy)methane

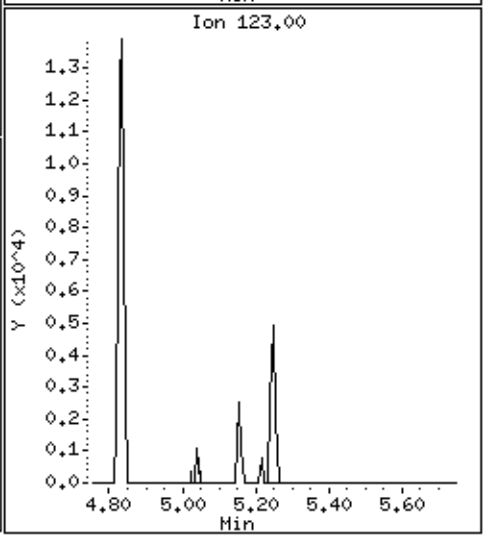
Concentration: 9.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

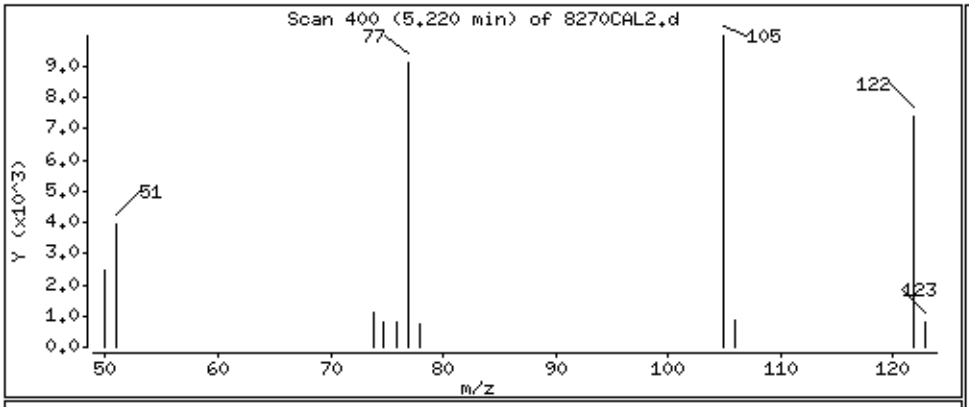
Client ID: 8270CAL2 Instrument: smsd04.i

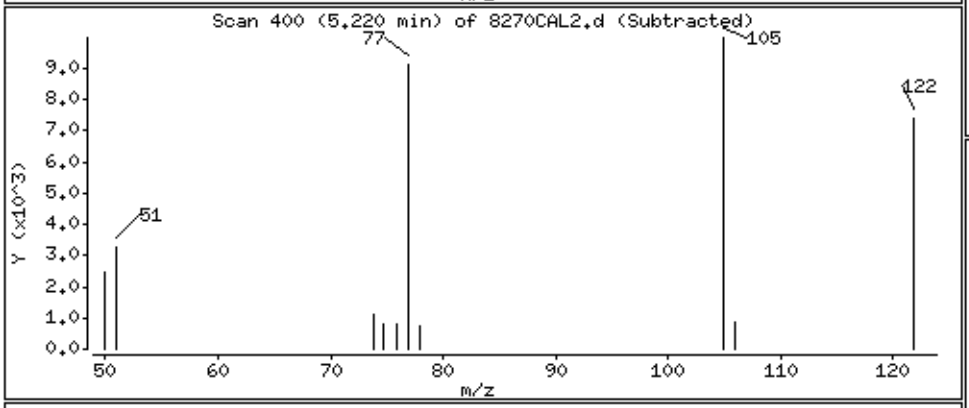
Sample Info: 47768

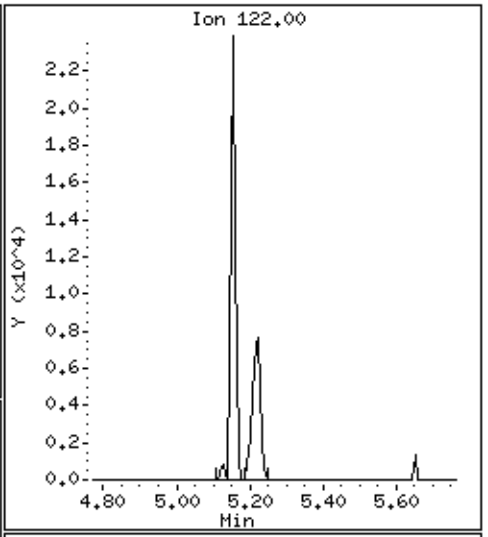
Operator: MJ

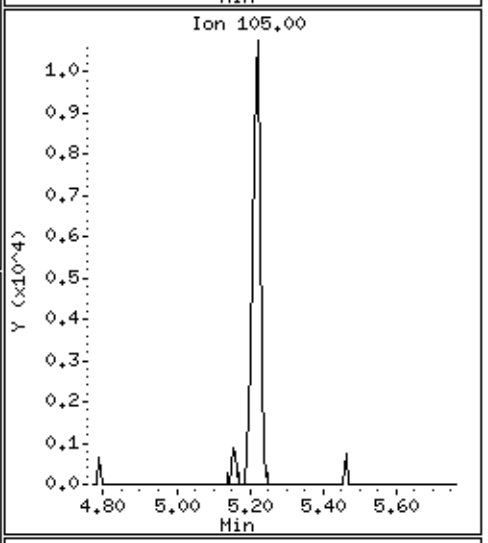
Column phase: HPMS-5 Column diameter: 0.25

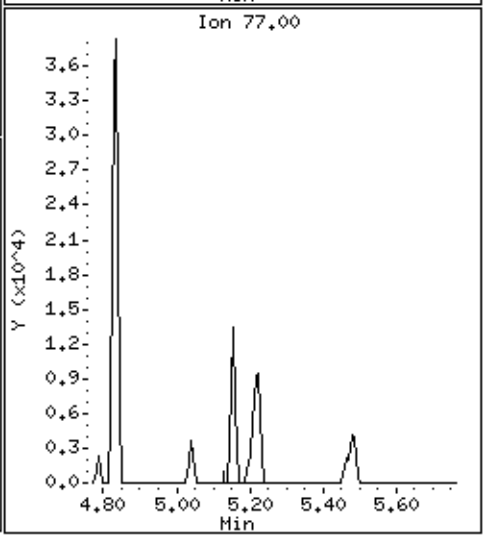
40 Benzoic Acid Concentration: 12.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

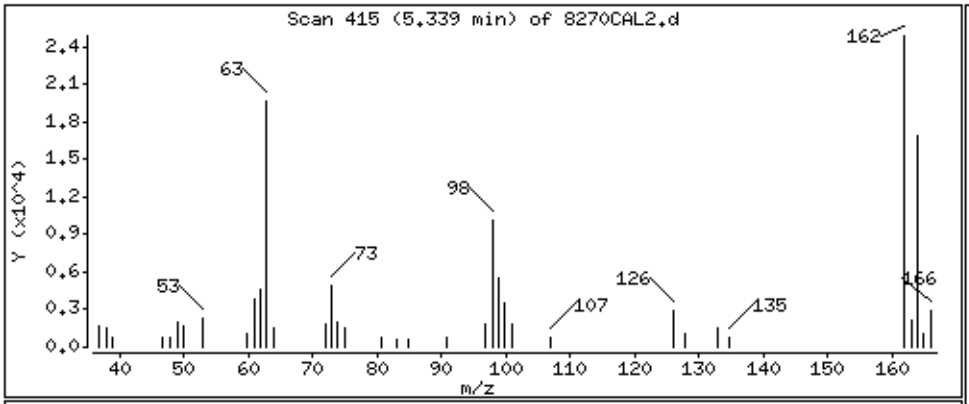
Operator: MJ

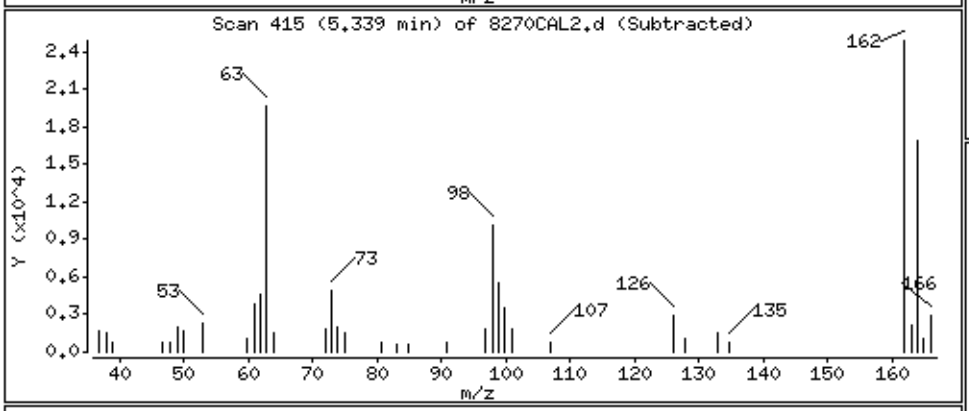
Column phase: HPMS-5

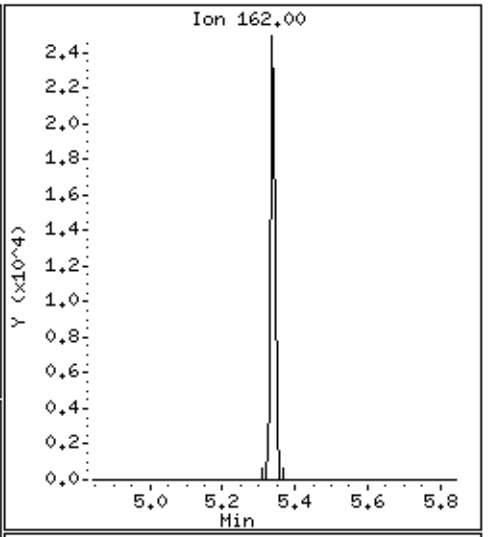
Column diameter: 0.25

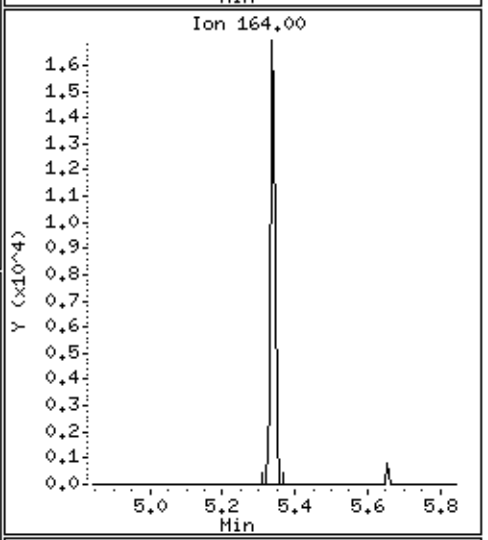
41 2,4-Dichlorophenol

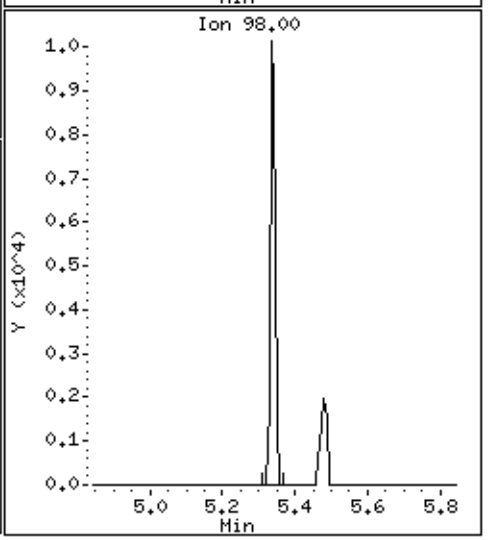
Concentration: 9.0 ug/kg











Date : 15-NOV-2012 00:25

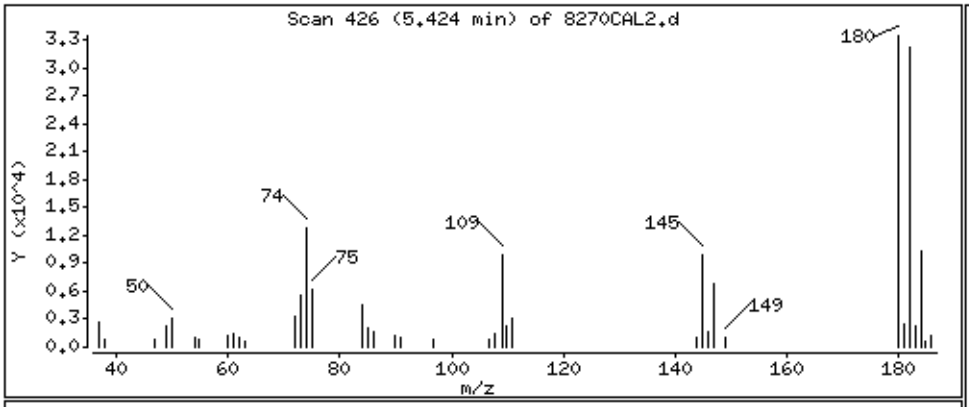
Client ID: 8270CAL2 Instrument: smsd04.i

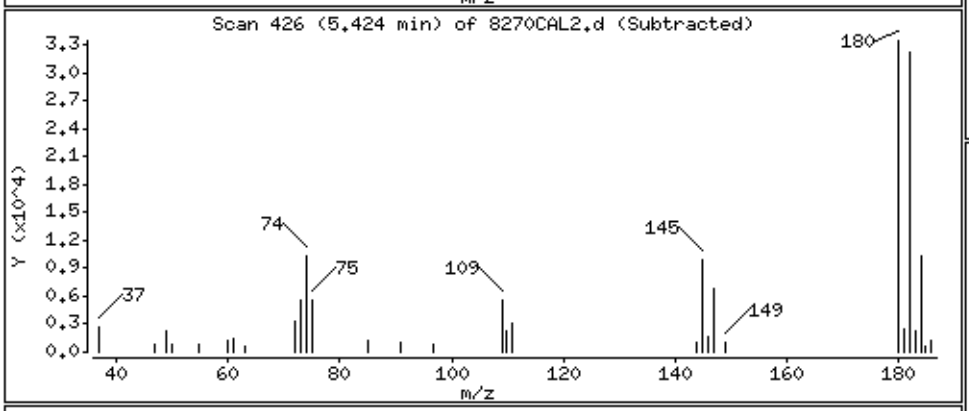
Sample Info: 47768

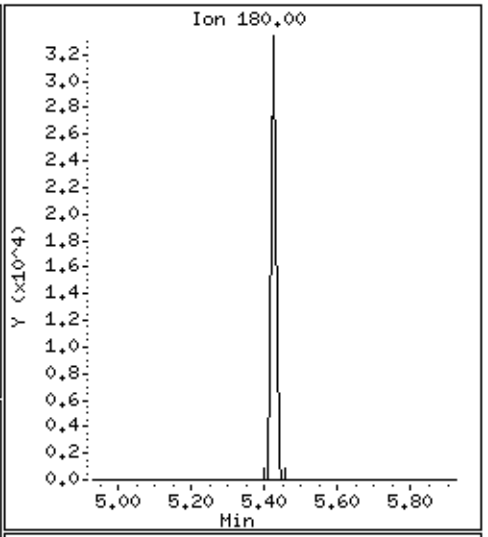
Operator: MJ

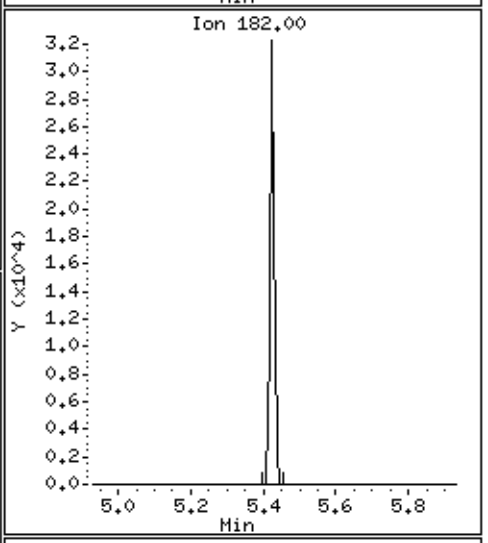
Column phase: HPMS-5 Column diameter: 0.25

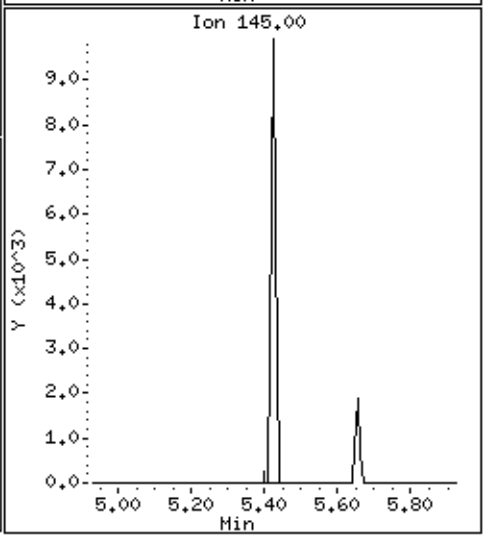
42 1,2,4-Trichlorobenzene Concentration: 9.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

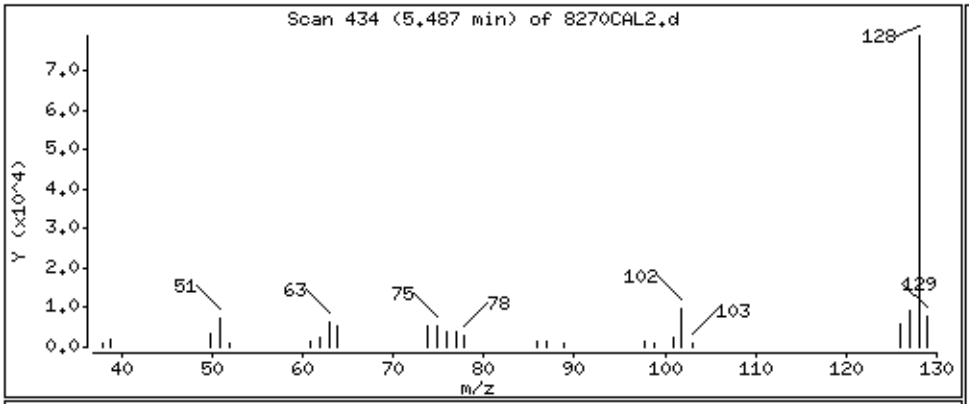
Operator: MJ

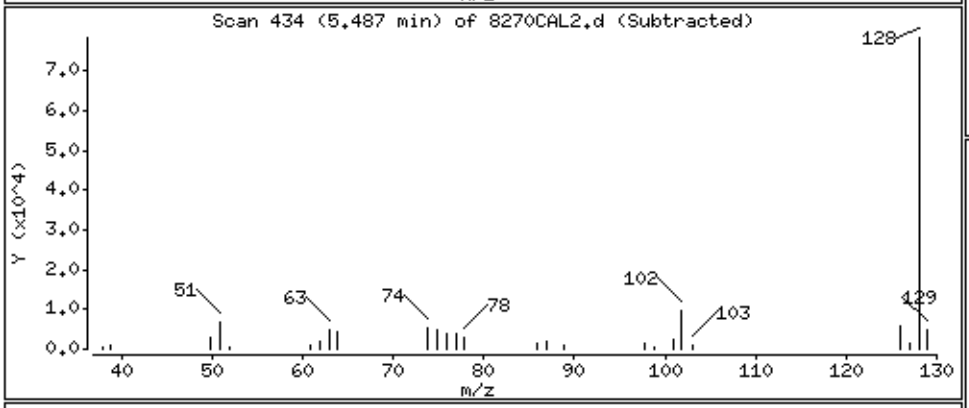
Column phase: HPMS-5

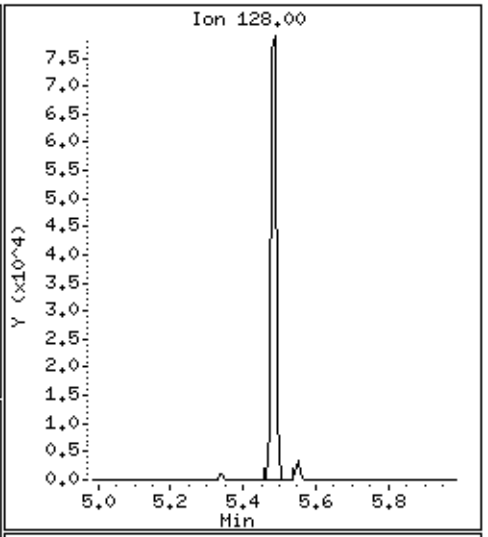
Column diameter: 0.25

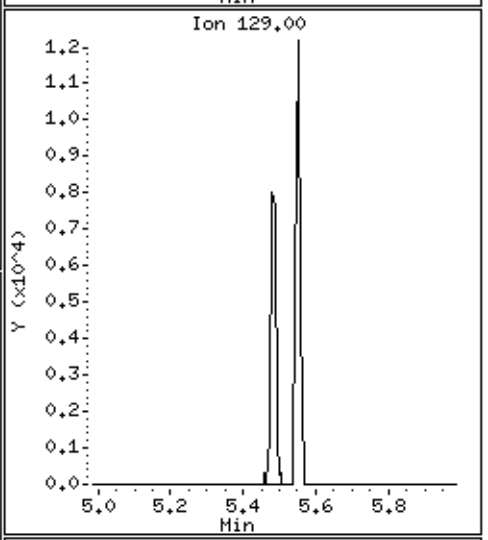
44 Naphthalene

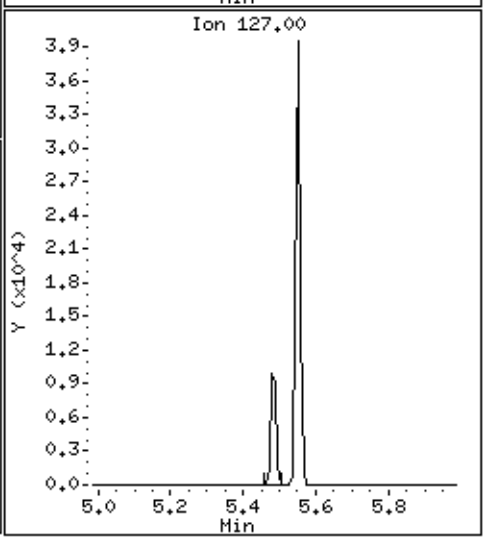
Concentration: 9.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

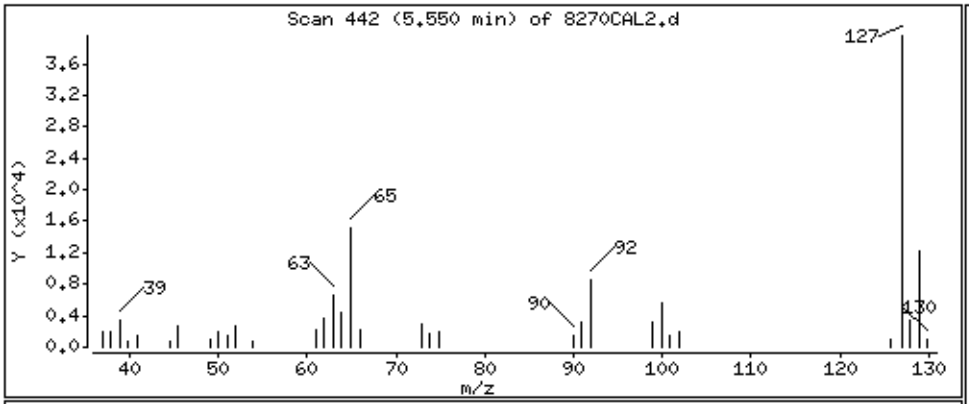
Operator: MJ

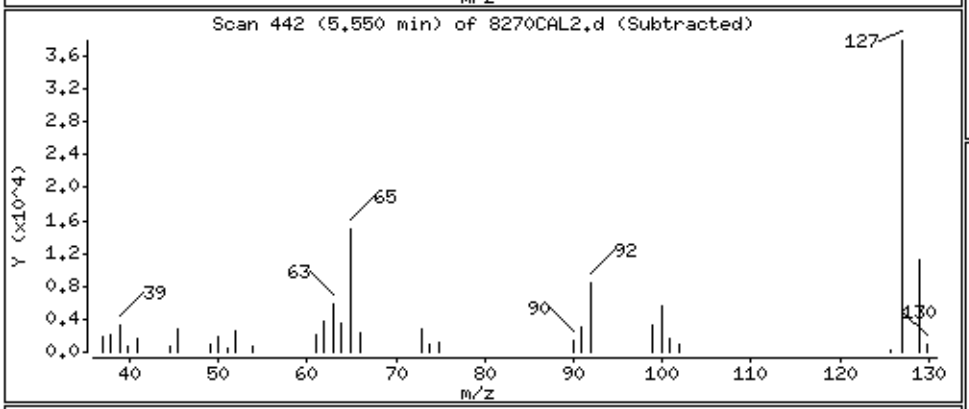
Column phase: HPMS-5

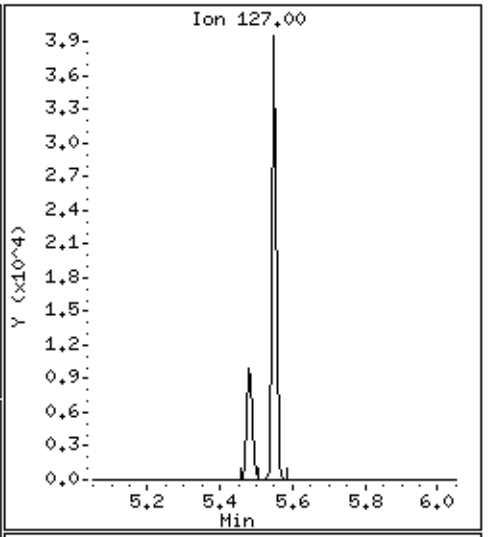
Column diameter: 0.25

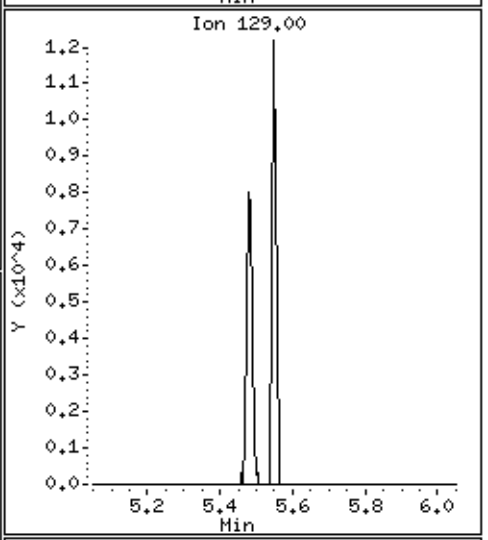
45 4-Chloroaniline

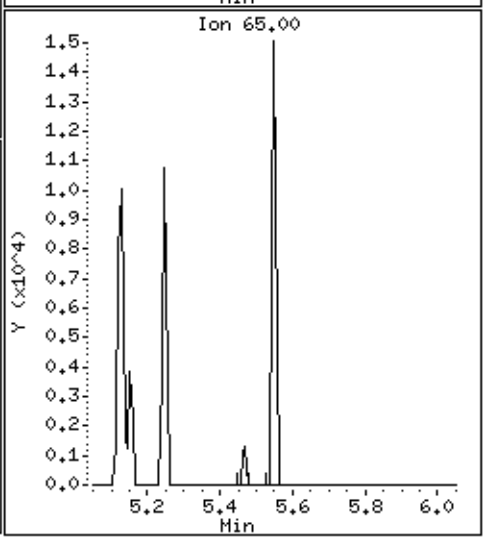
Concentration: 9.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

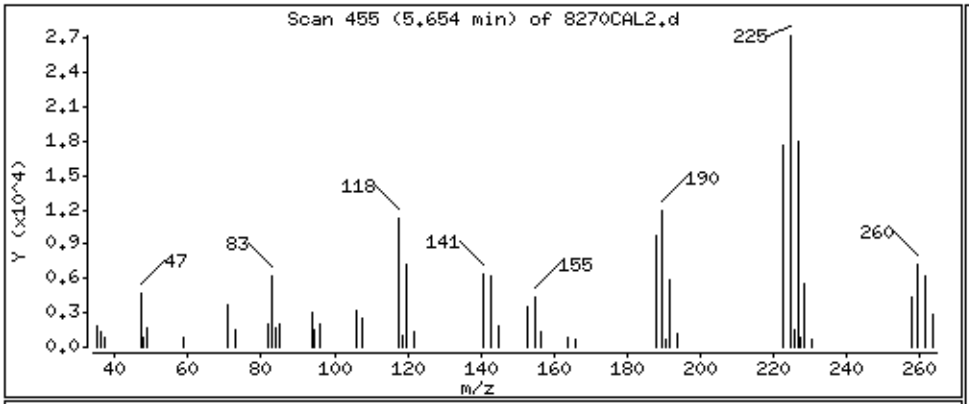
Operator: MJ

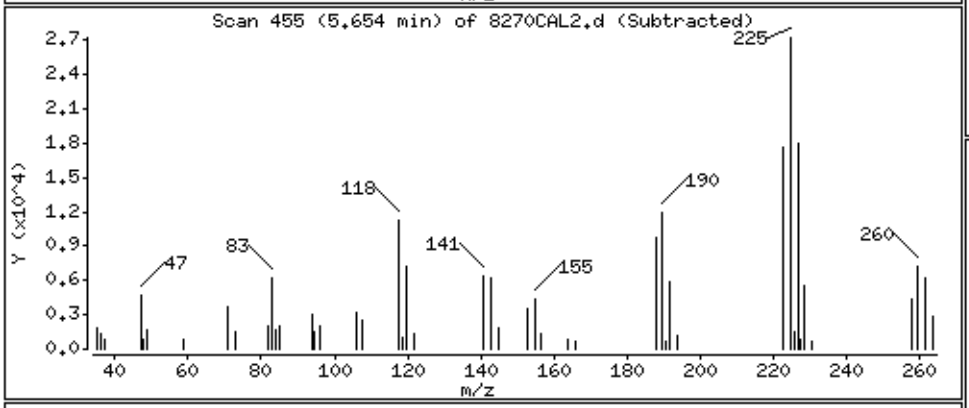
Column phase: HPMS-5

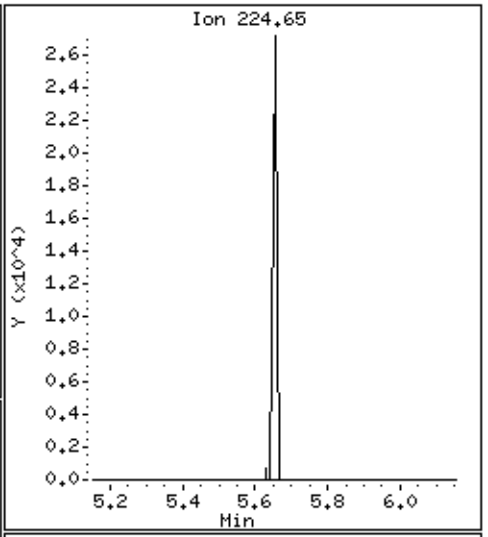
Column diameter: 0.25

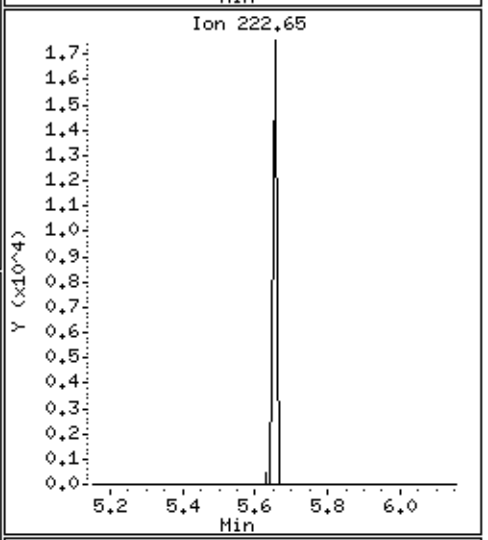
48 Hexachlorobutadiene

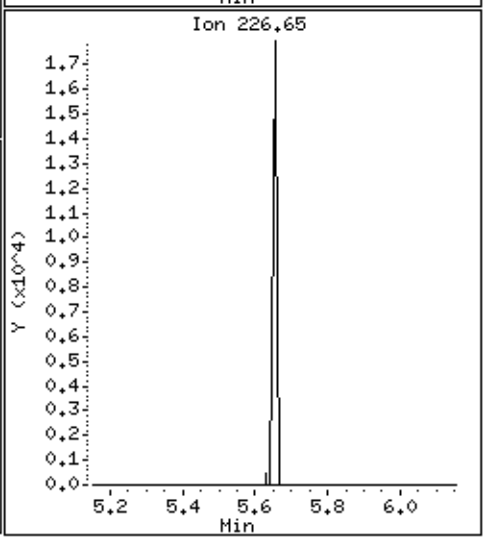
Concentration: 9.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

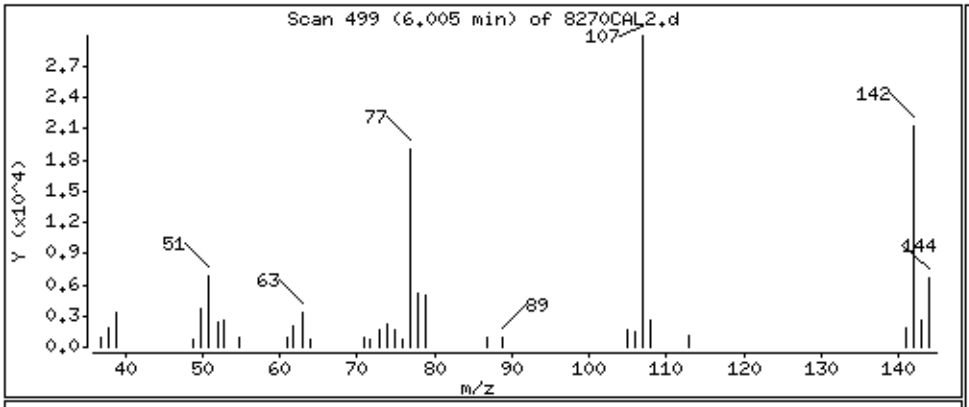
Operator: MJ

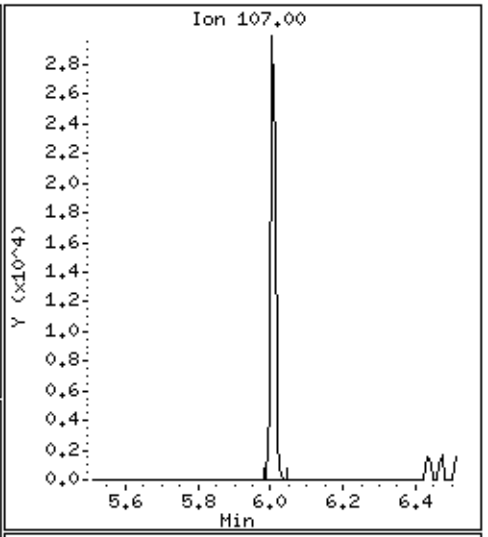
Column phase: HPMS-5

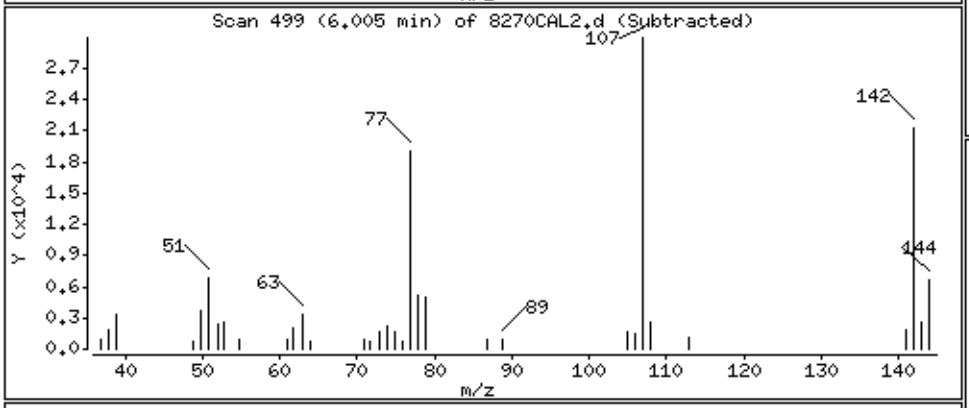
Column diameter: 0.25

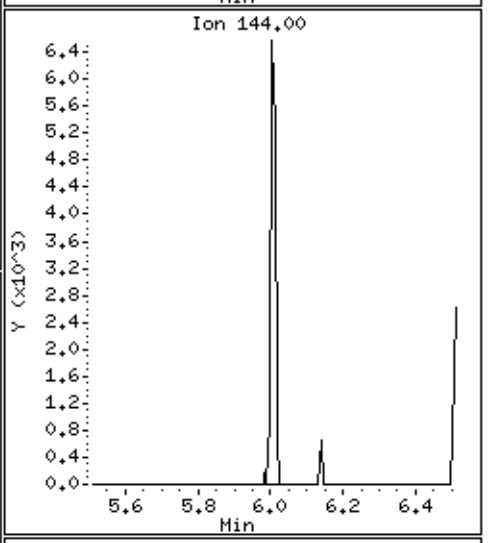
51 4-Chloro-3-methylphenol

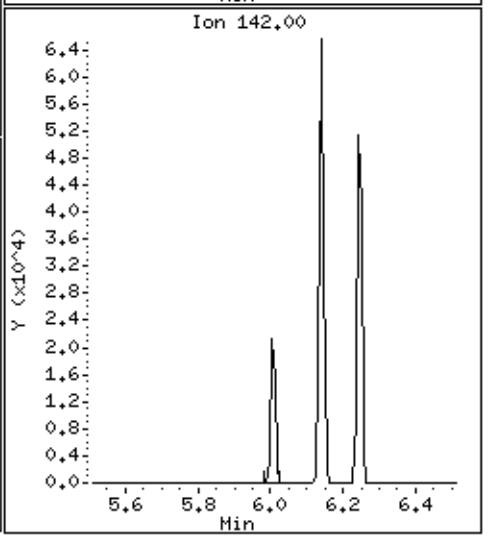
Concentration: 9.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

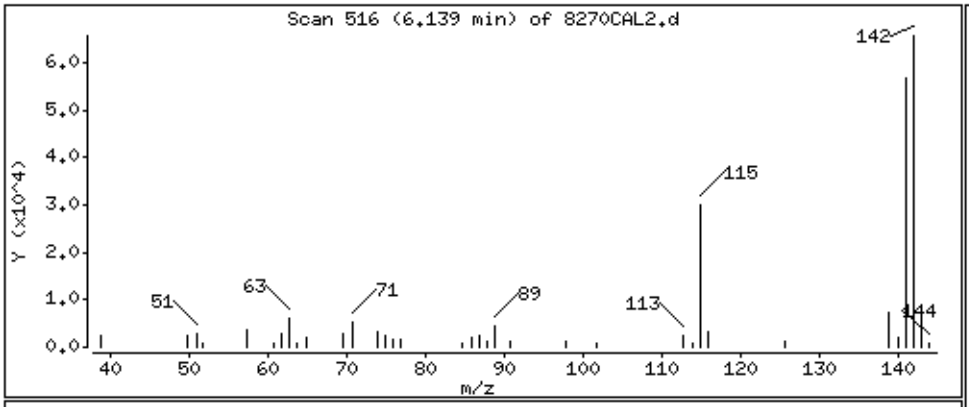
Operator: MJ

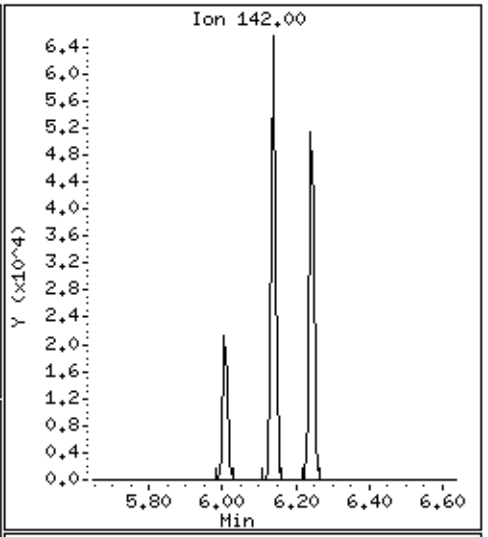
Column phase: HPMS-5

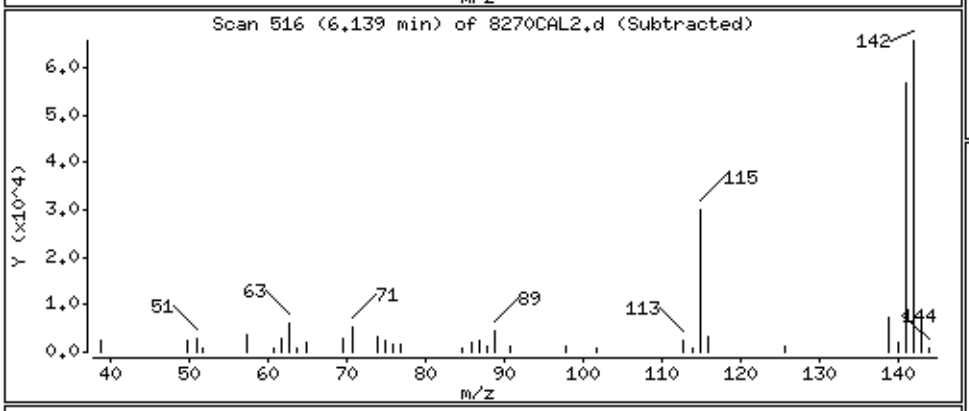
Column diameter: 0.25

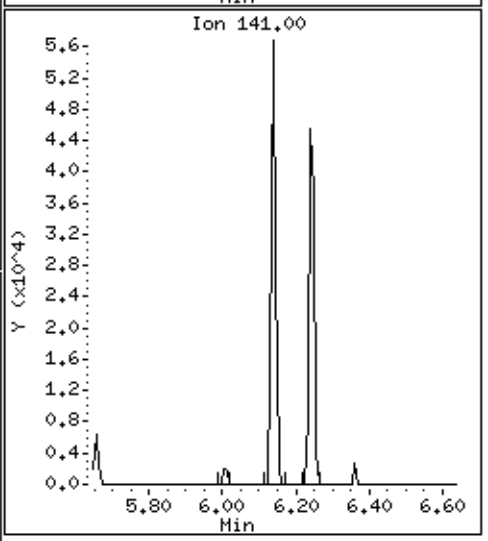
53 2-Methylnaphthalene

Concentration: 9.6 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

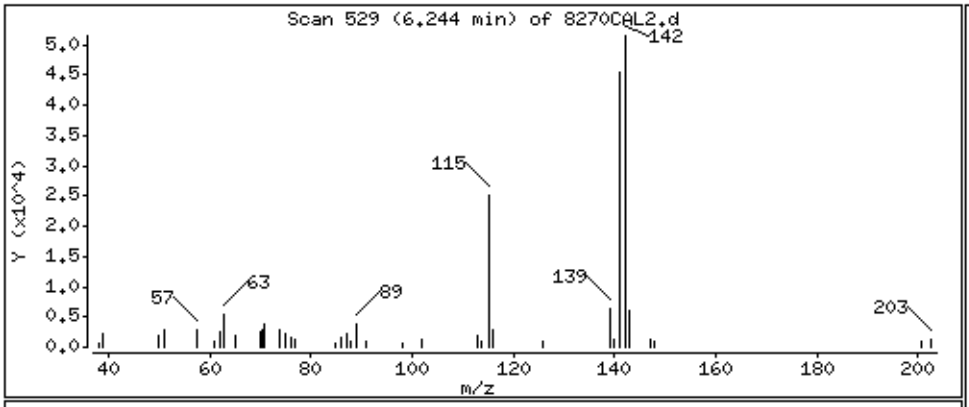
Operator: MJ

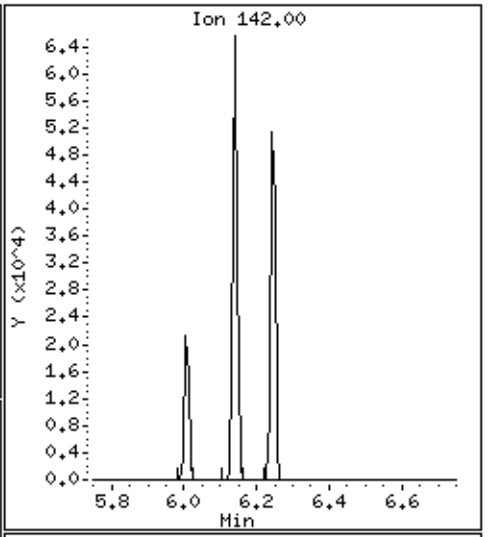
Column phase: HPMS-5

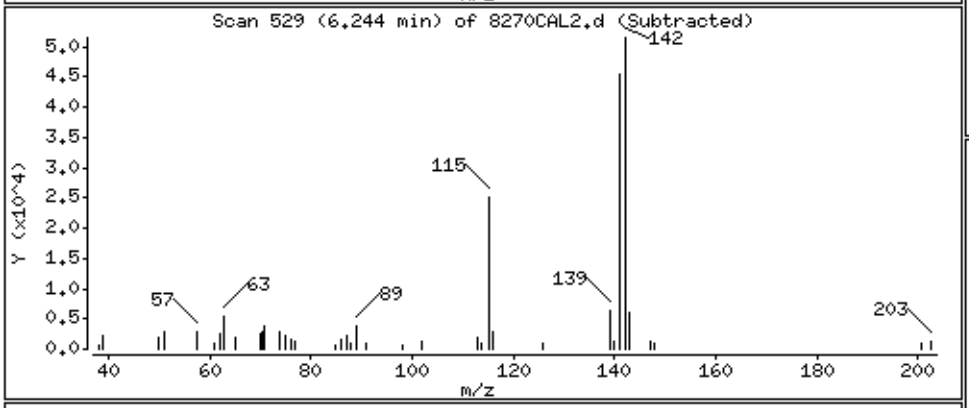
Column diameter: 0.25

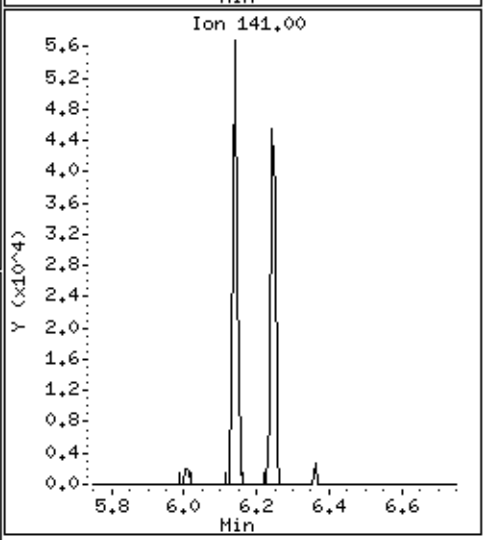
54 1-Methylnaphthalene

Concentration: 9.6 ug/kg









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Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

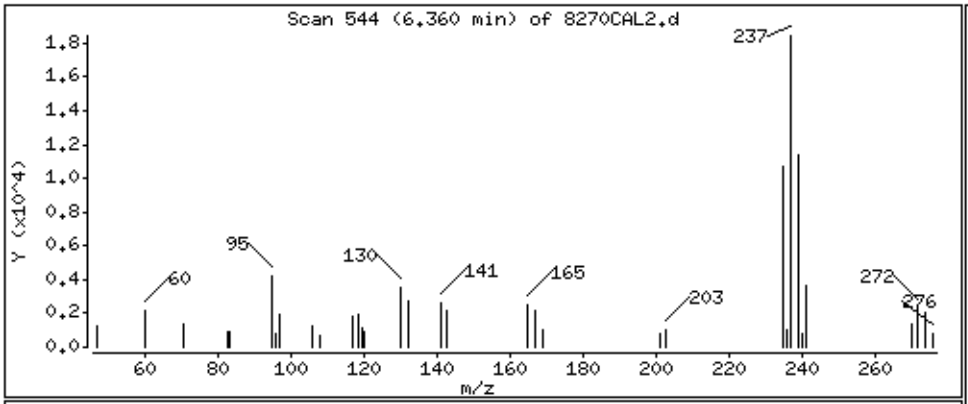
Operator: MJ

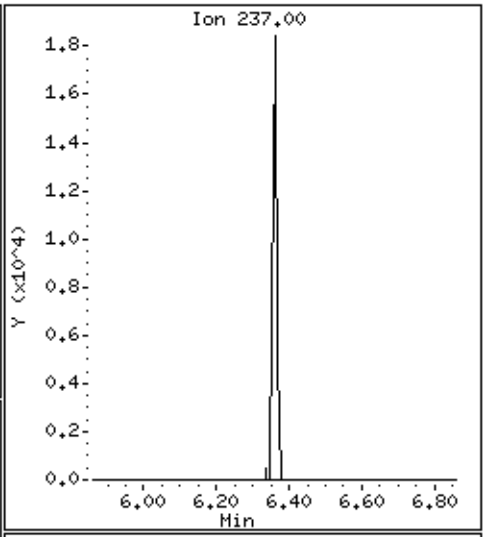
Column phase: HPMS-5

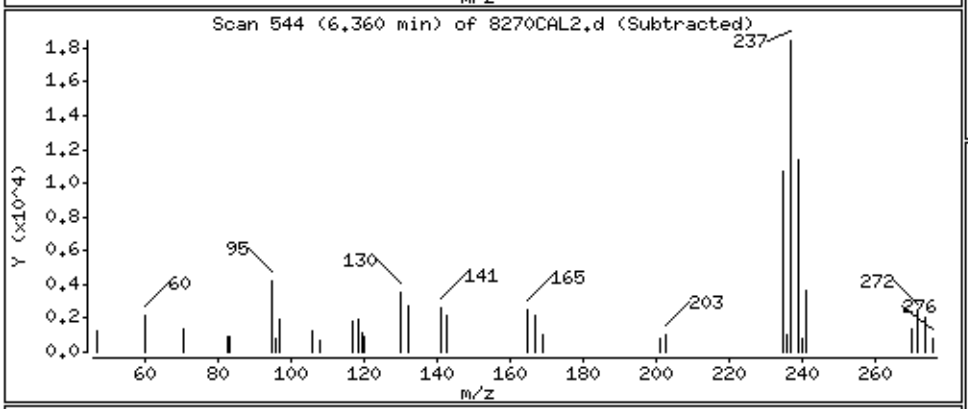
Column diameter: 0.25

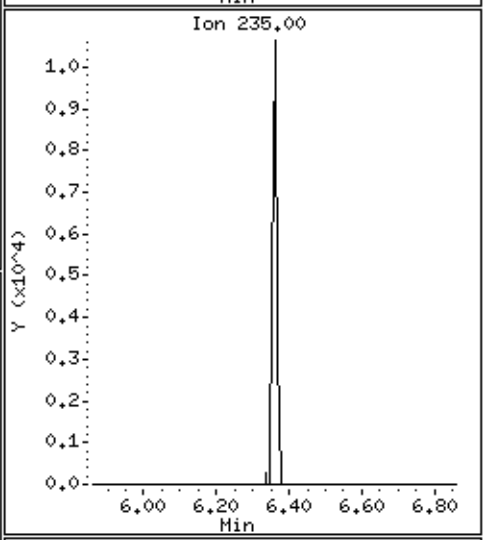
55 Hexachlorocyclopentadiene

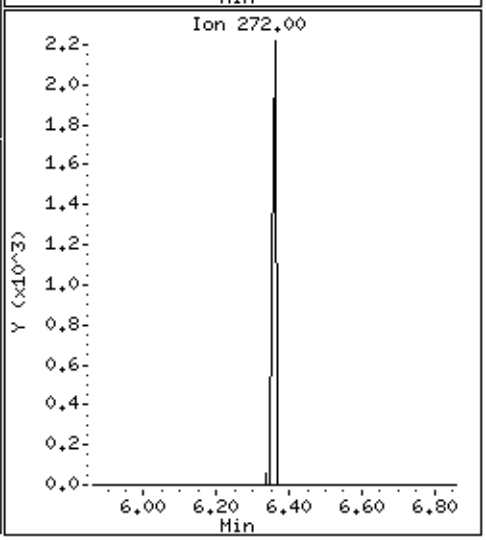
Concentration: 12.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

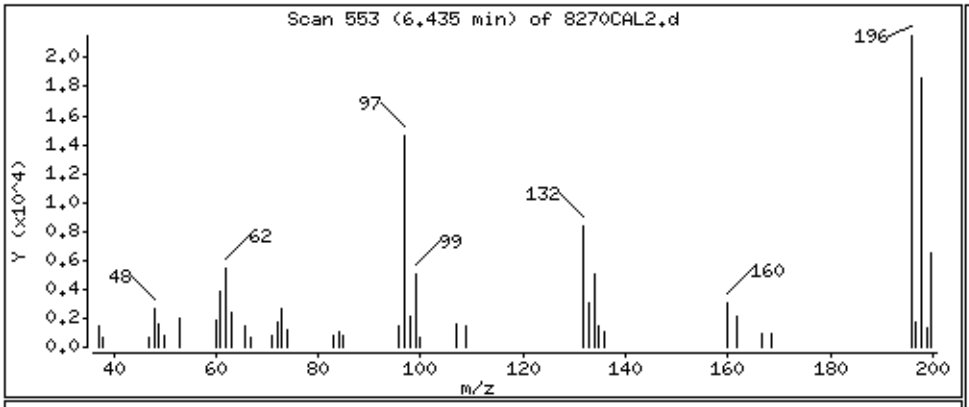
Operator: MJ

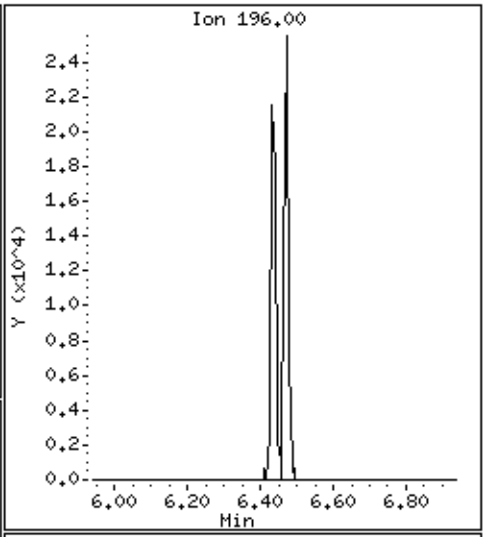
Column phase: HPMS-5

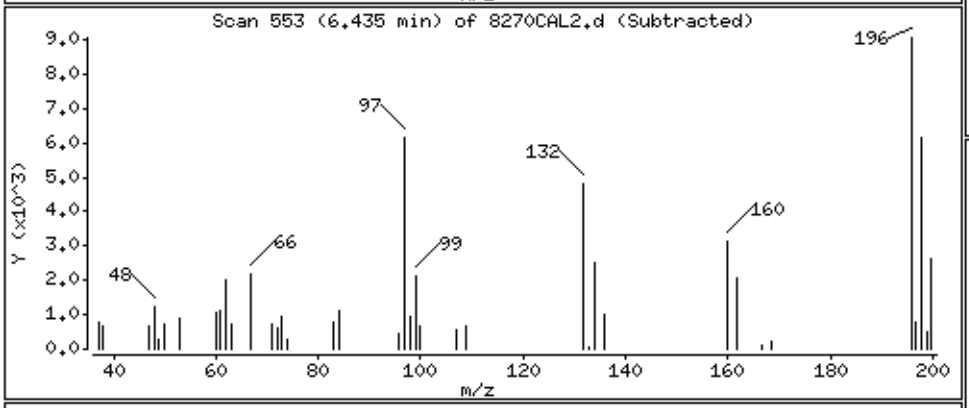
Column diameter: 0.25

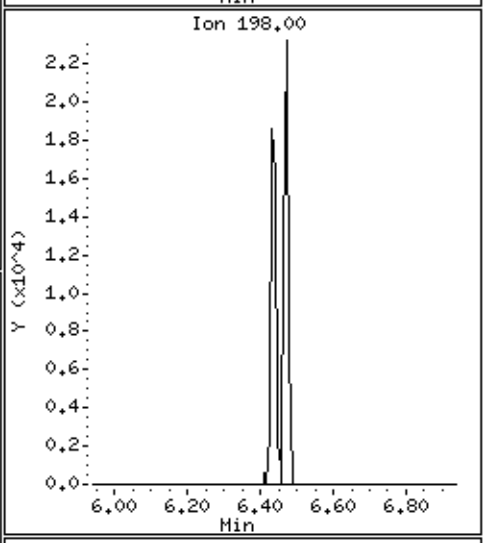
57 2,4,6-Trichlorophenol

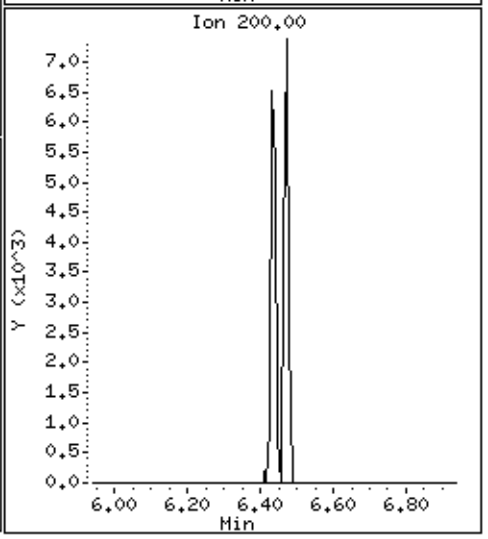
Concentration: 9.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

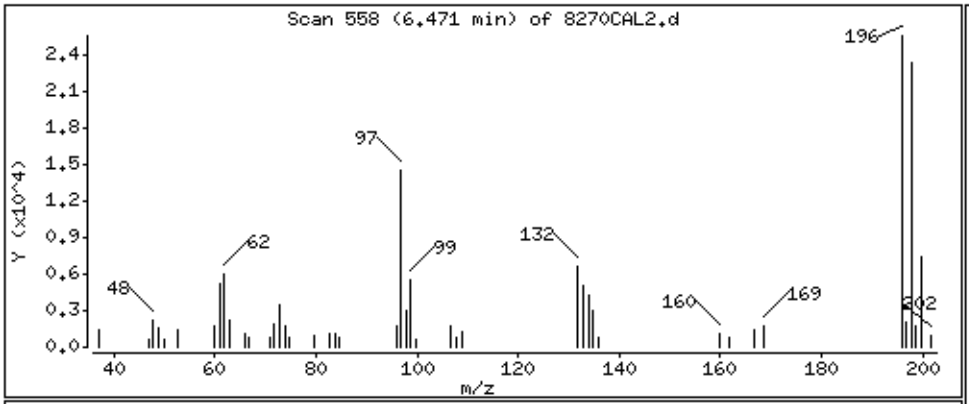
Operator: MJ

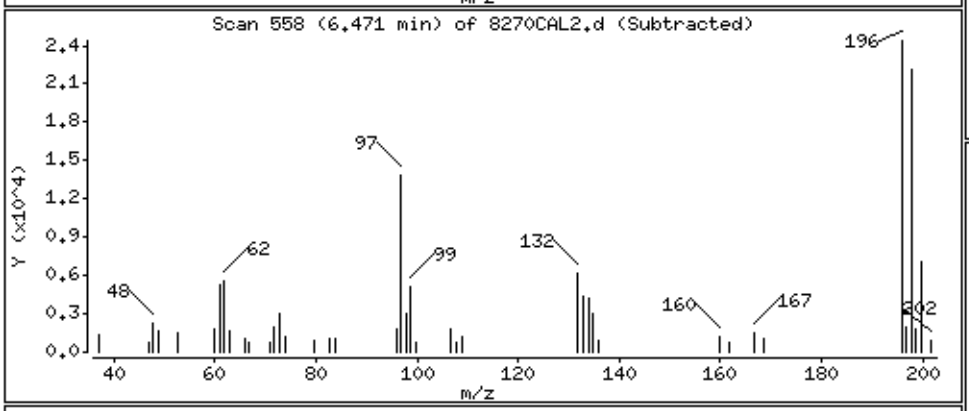
Column phase: HPMS-5

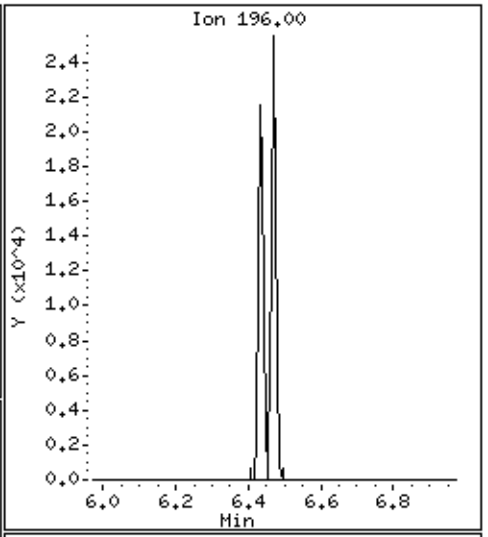
Column diameter: 0.25

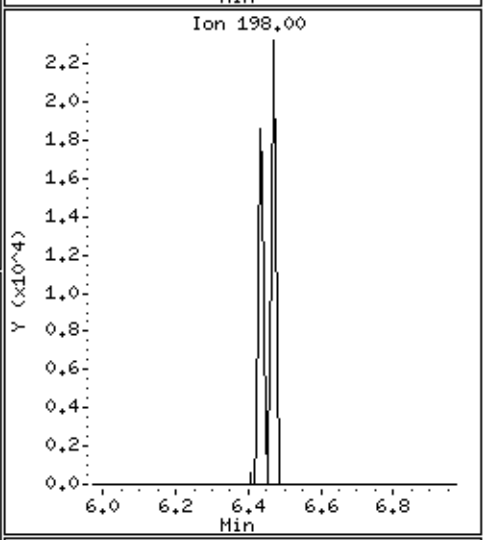
58 2,4,5-Trichlorophenol

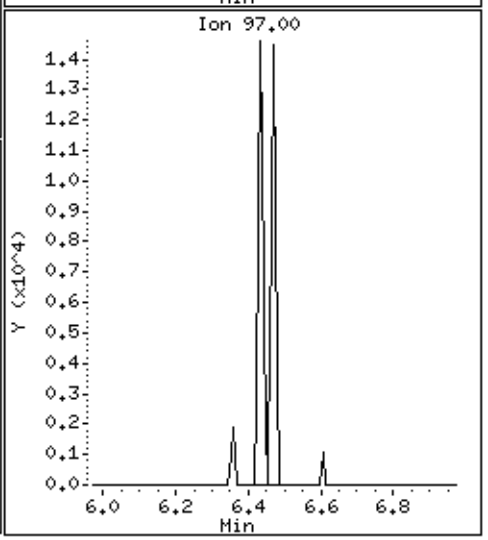
Concentration: 9.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

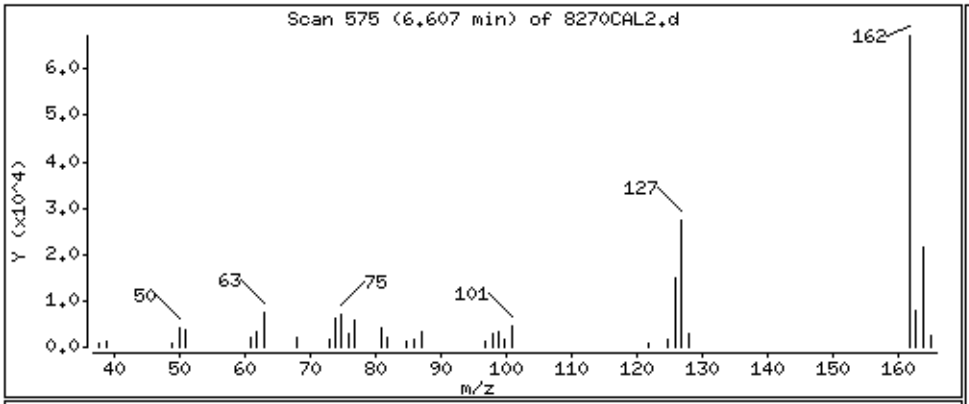
Operator: MJ

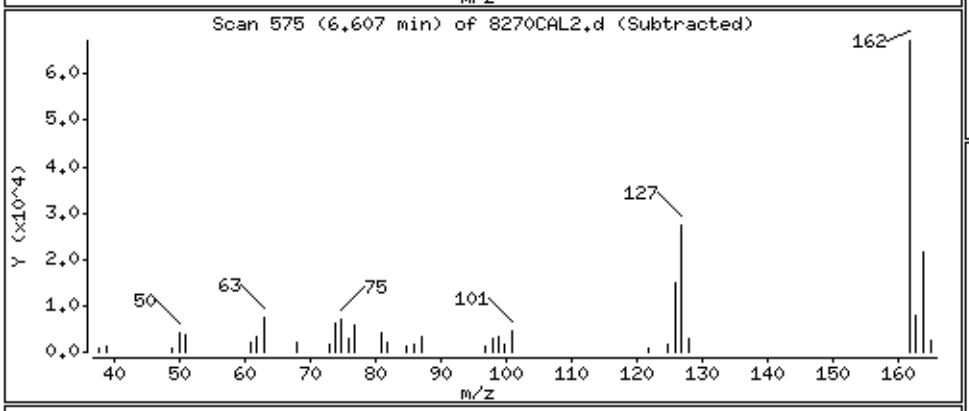
Column phase: HPMS-5

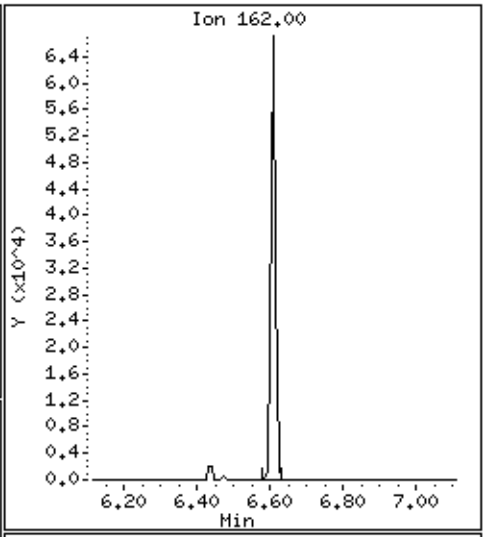
Column diameter: 0.25

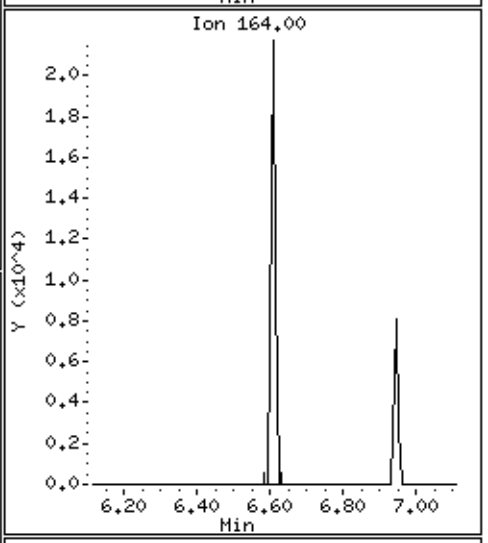
62 2-Chloronaphthalene

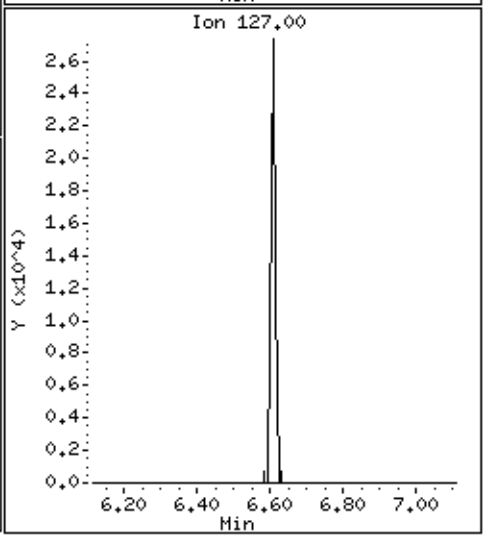
Concentration: 9.6 ug/kg











Date : 15-NOV-2012 00:25

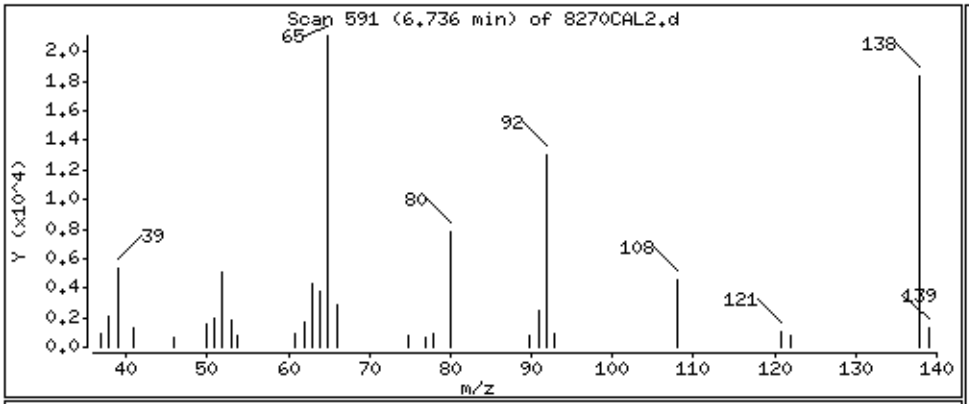
Client ID: 8270CAL2 Instrument: smsd04.i

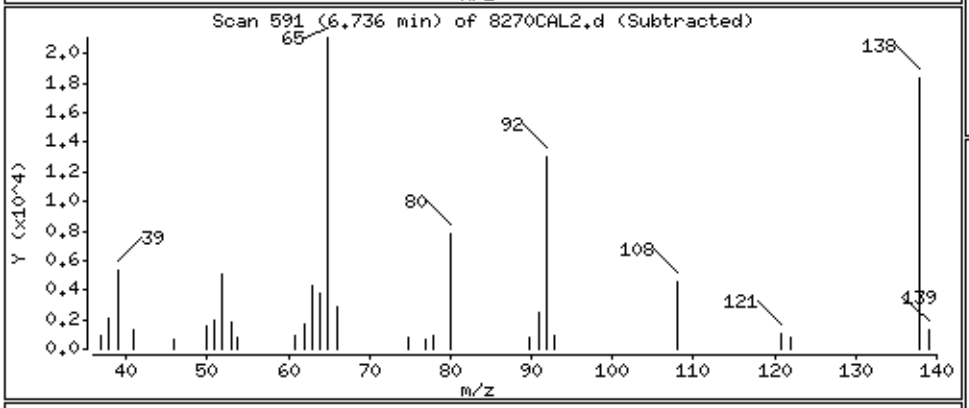
Sample Info: 47768

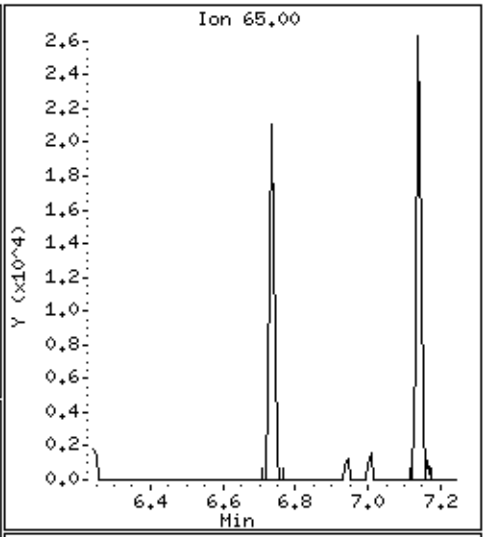
Operator: MJ

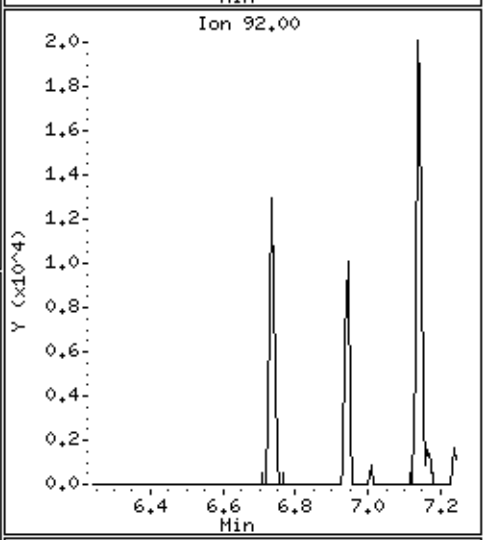
Column phase: HPMS-5 Column diameter: 0.25

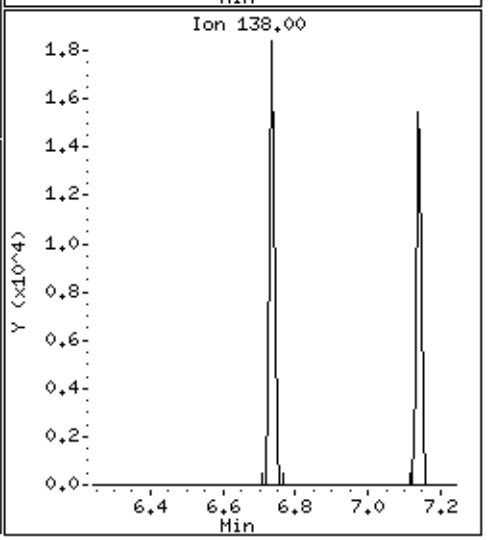
63 2-Nitroaniline Concentration: 9.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

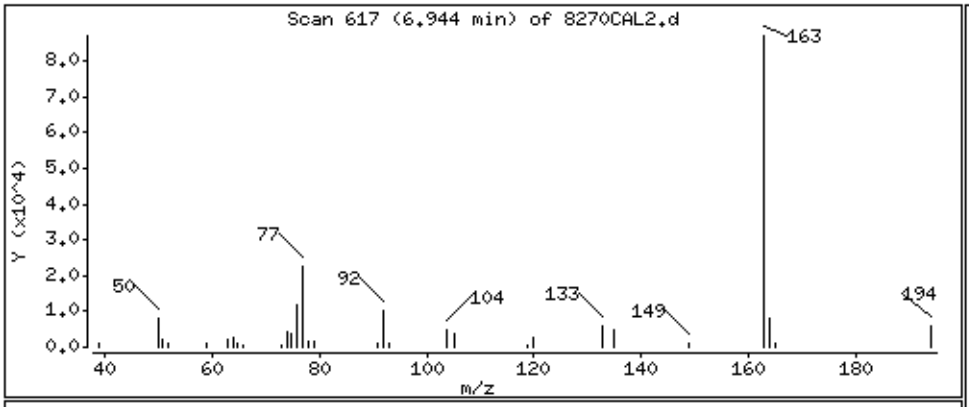
Operator: MJ

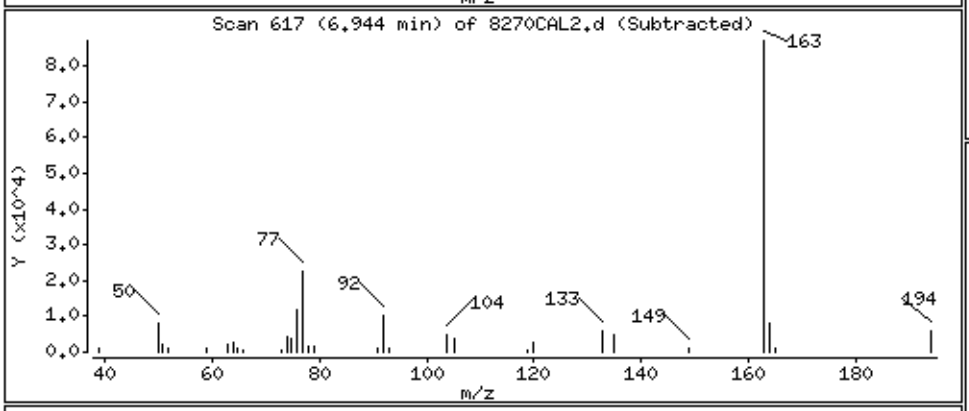
Column phase: HPMS-5

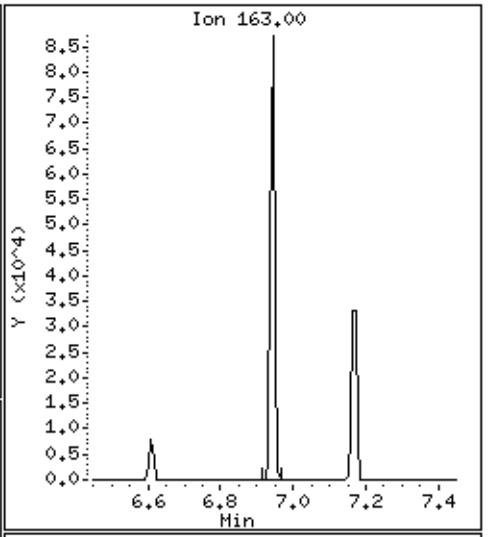
Column diameter: 0.25

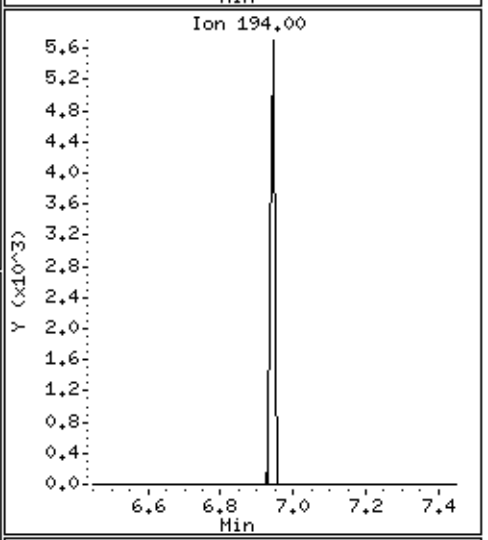
65 Dimethylphthalate

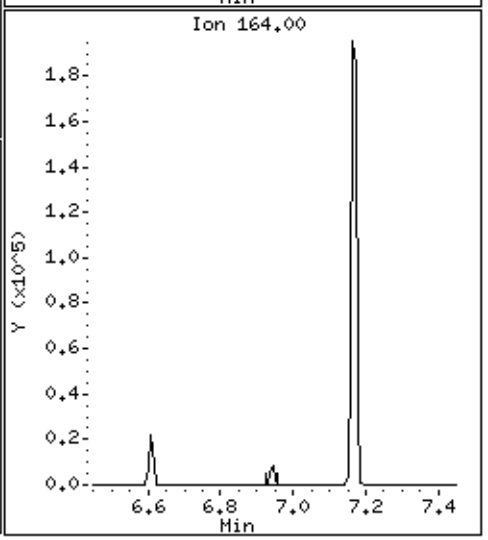
Concentration: 9.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

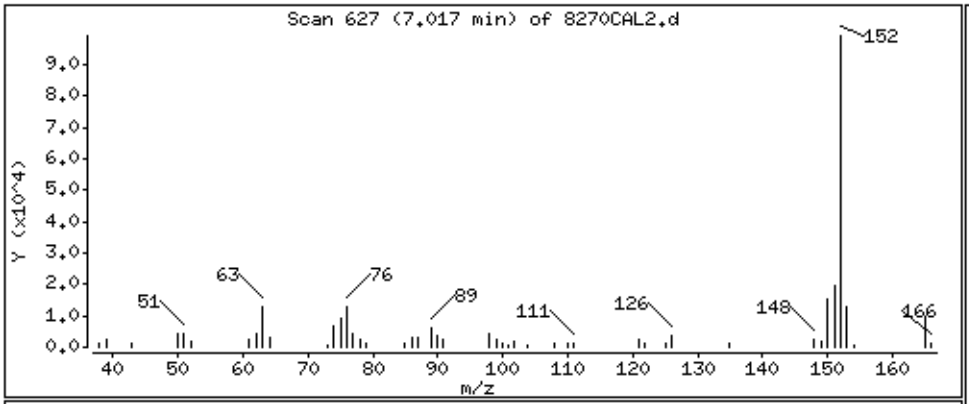
Operator: MJ

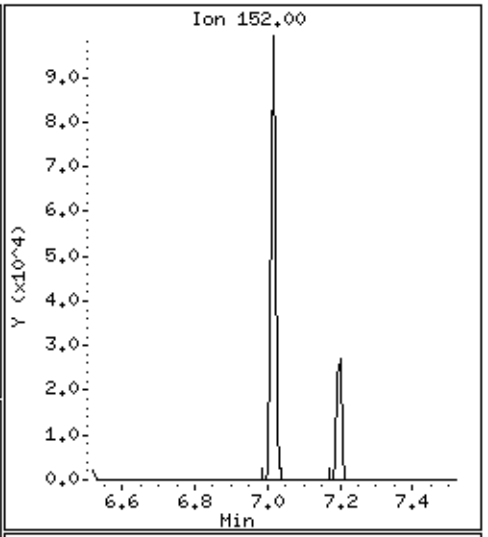
Column phase: HPMS-5

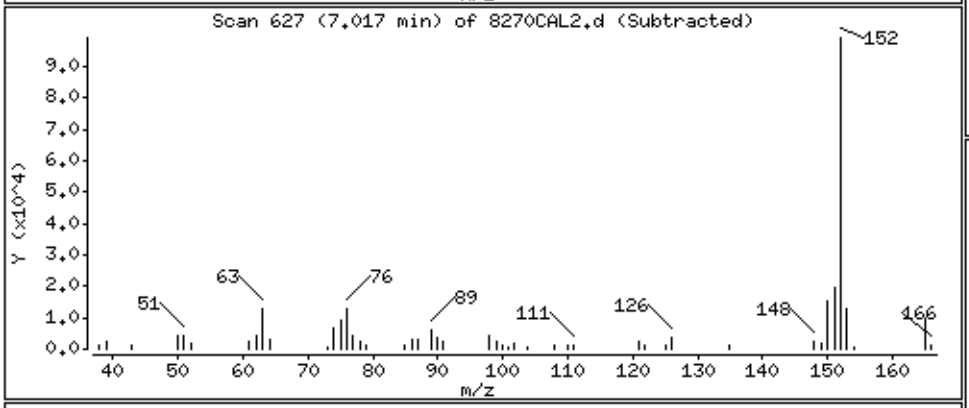
Column diameter: 0.25

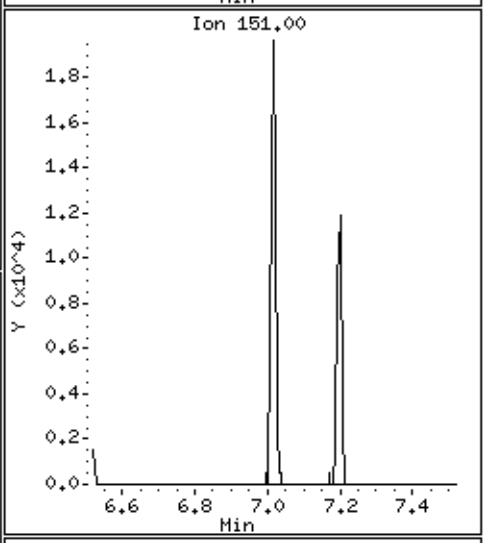
68 Acenaphthylene

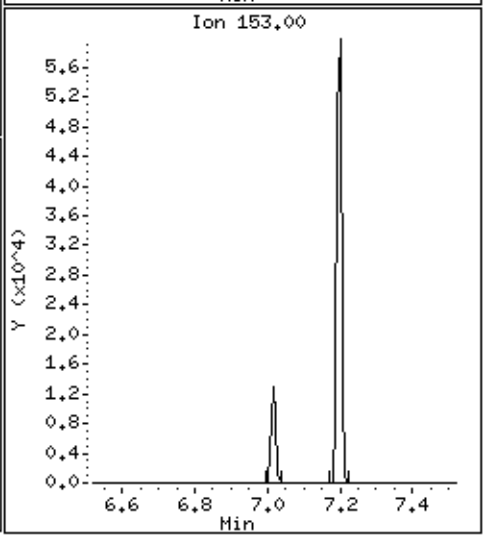
Concentration: 9.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

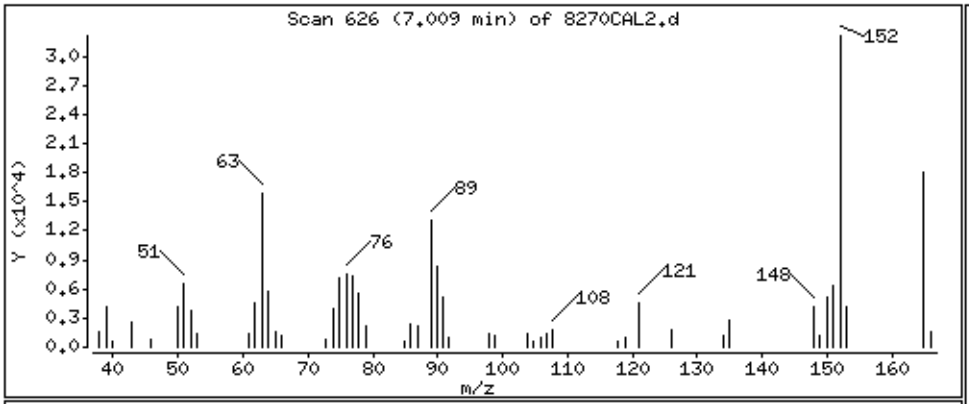
Operator: MJ

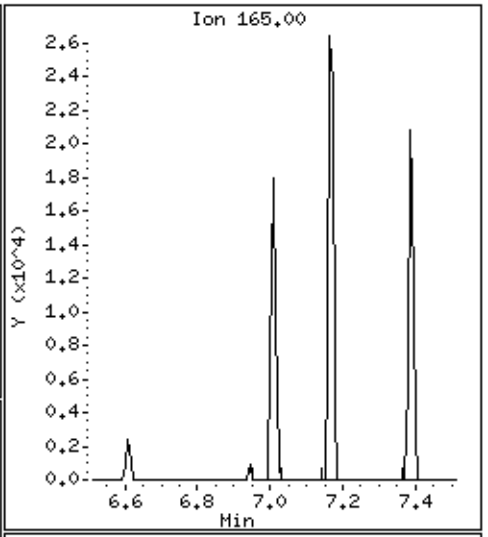
Column phase: HPMS-5

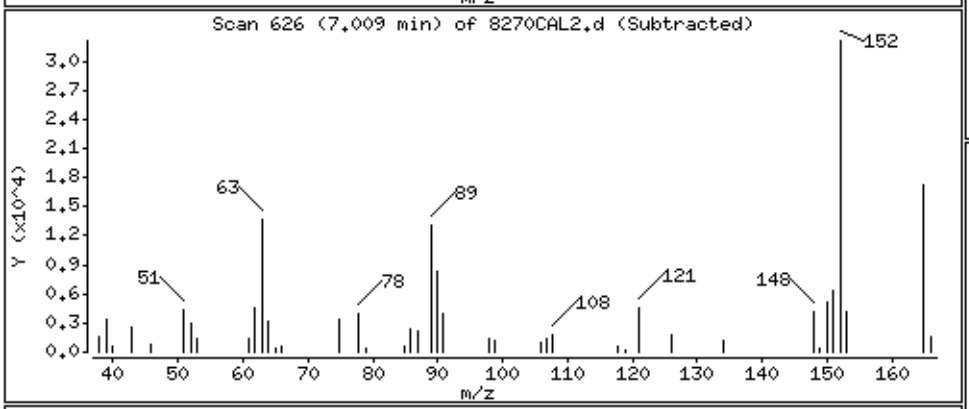
Column diameter: 0.25

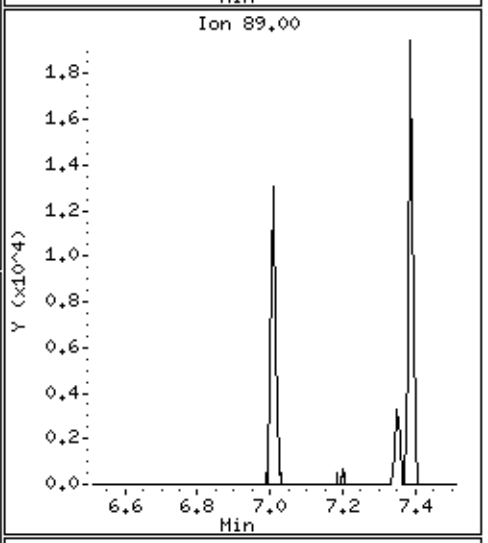
67 2,6-Dinitrotoluene

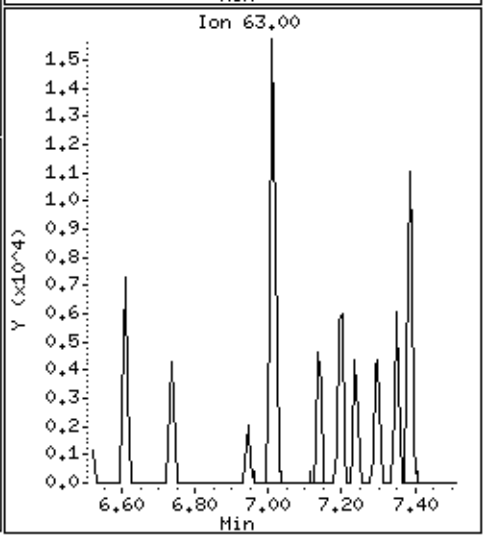
Concentration: 9.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

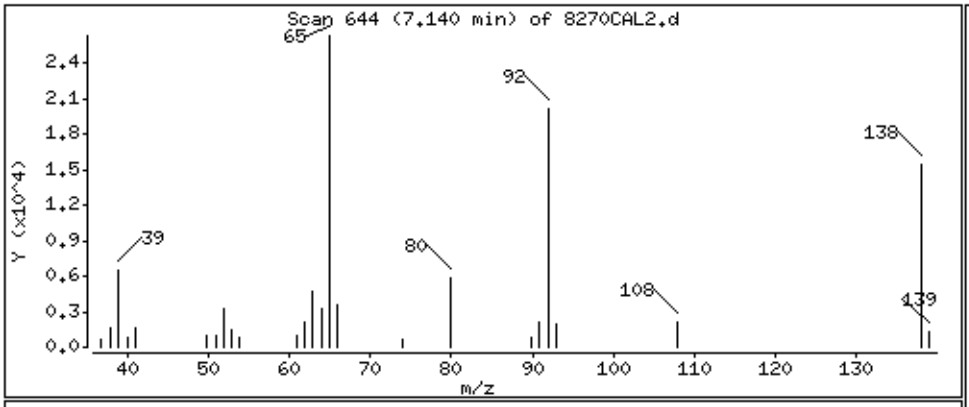
Operator: MJ

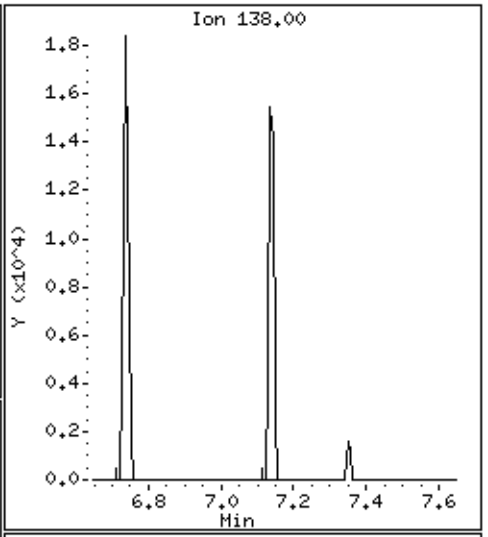
Column phase: HPMS-5

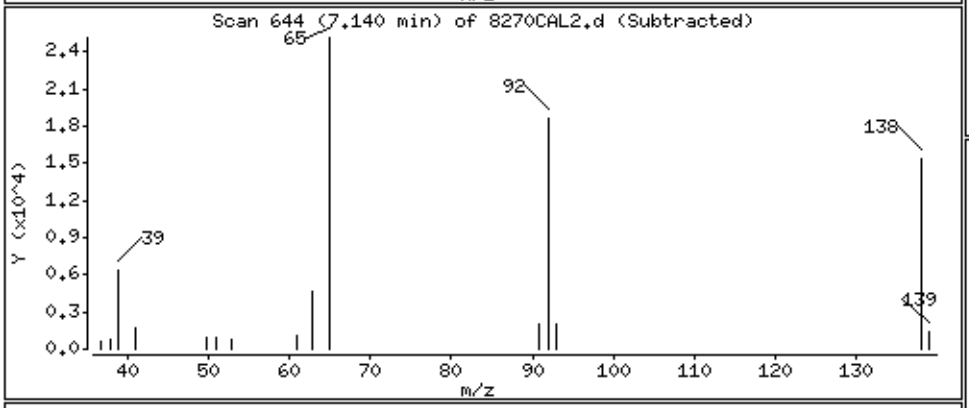
Column diameter: 0.25

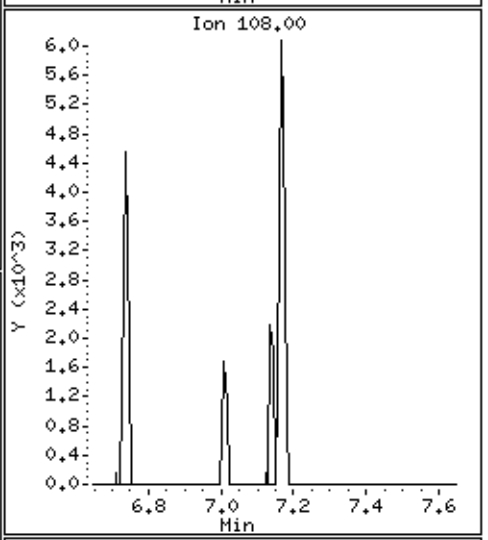
69 3-Nitroaniline

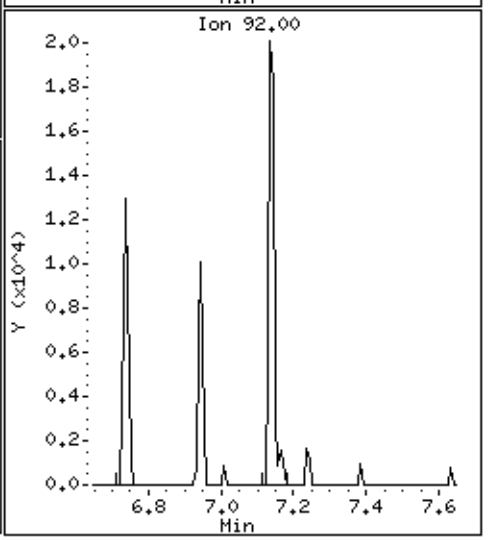
Concentration: 10 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

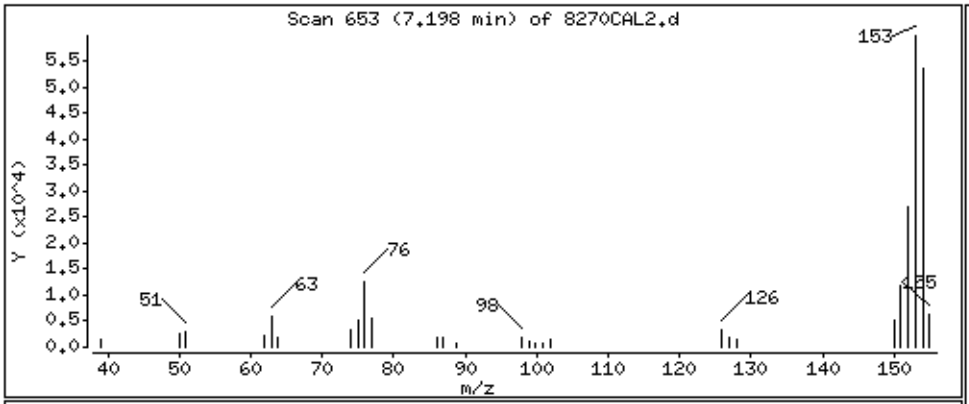
Operator: MJ

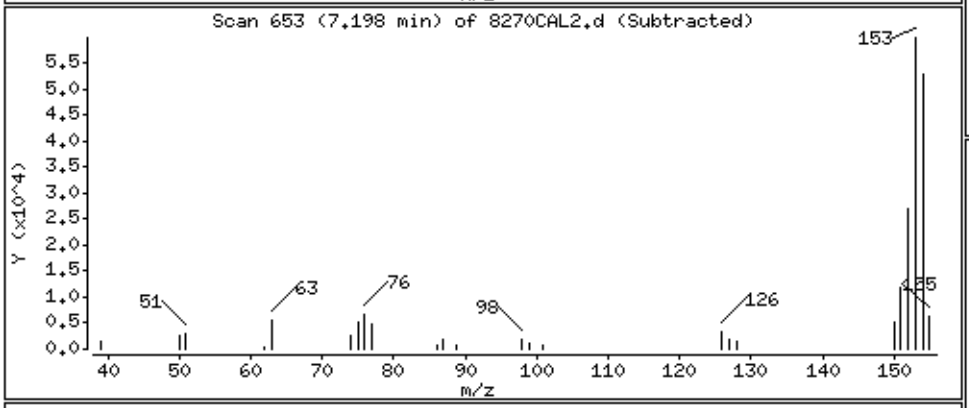
Column phase: HPMS-5

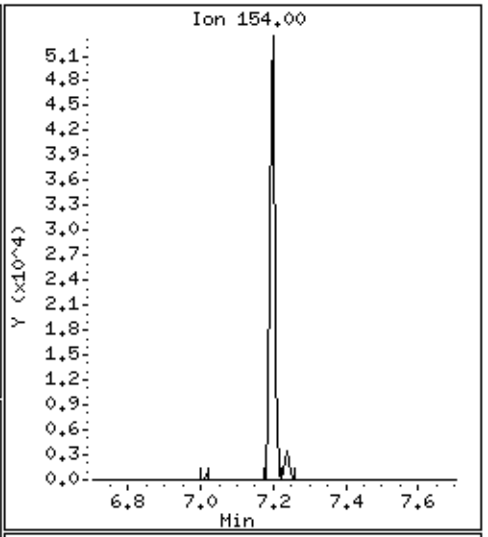
Column diameter: 0.25

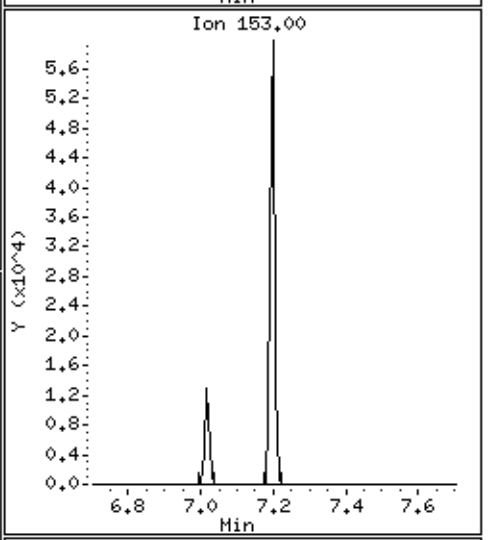
71 Acenaphthene

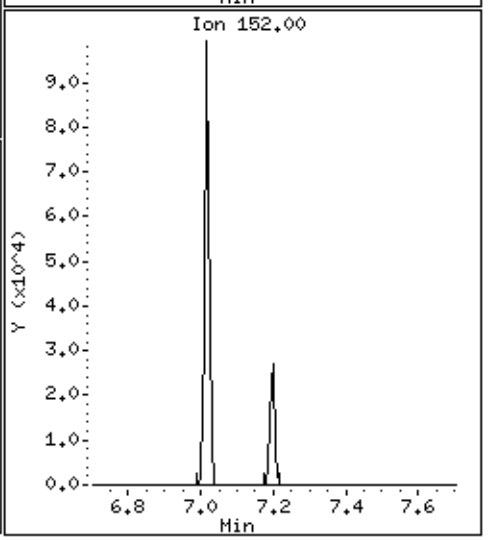
Concentration: 9.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

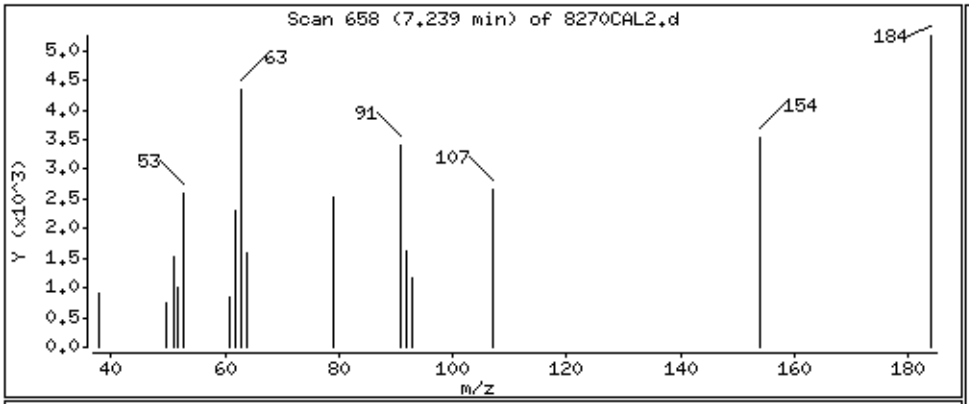
Operator: MJ

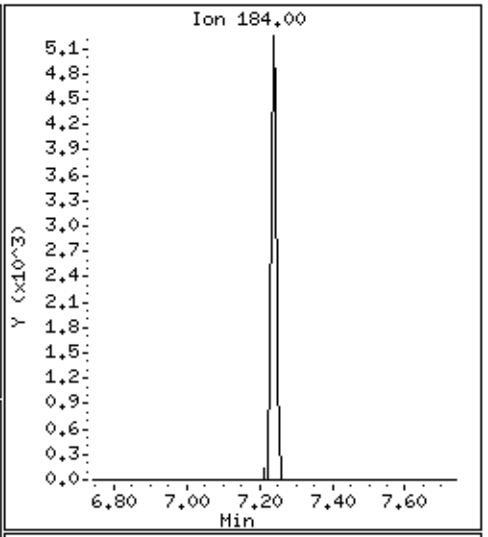
Column phase: HPMS-5

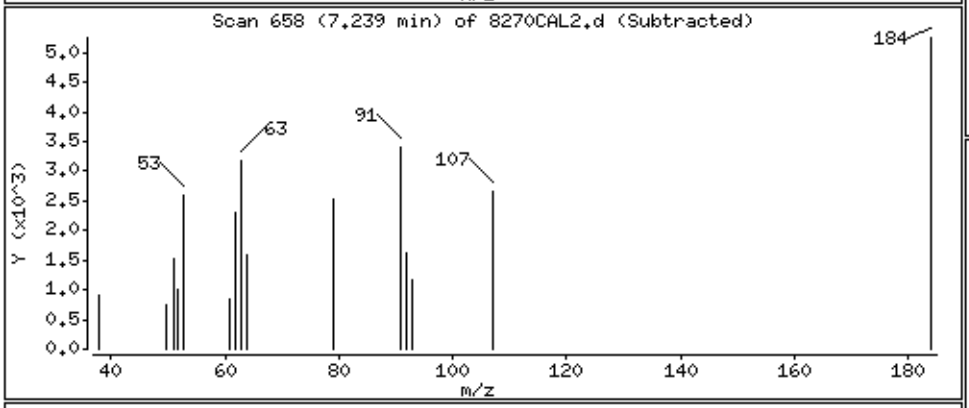
Column diameter: 0.25

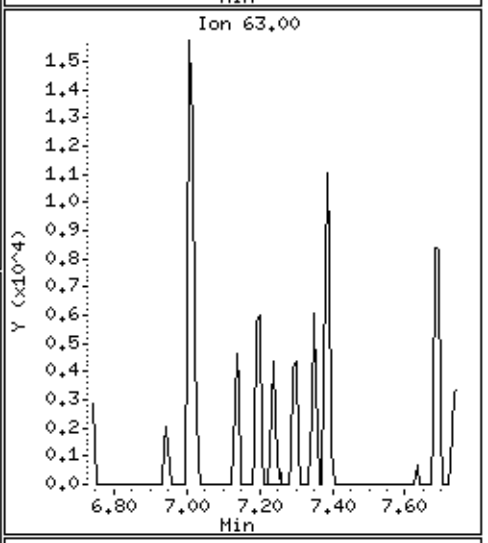
72 2,4-Dinitrophenol

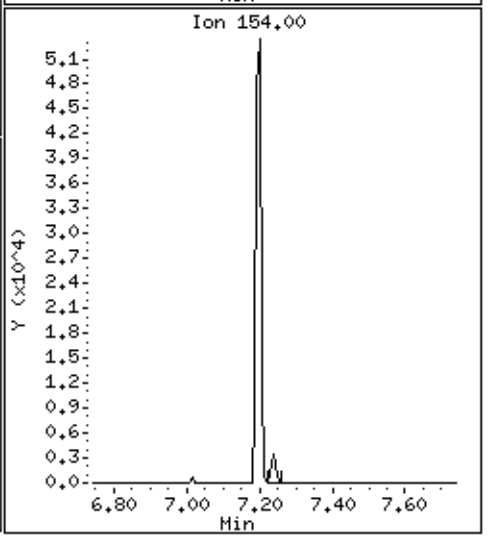
Concentration: 14.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

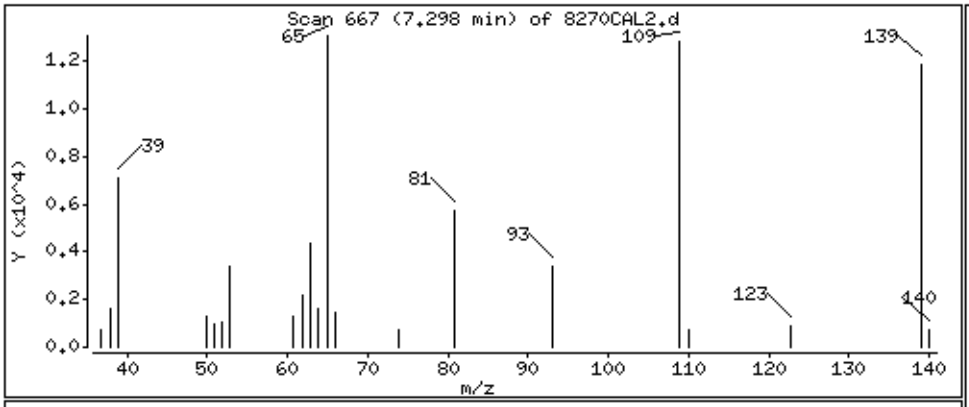
Operator: MJ

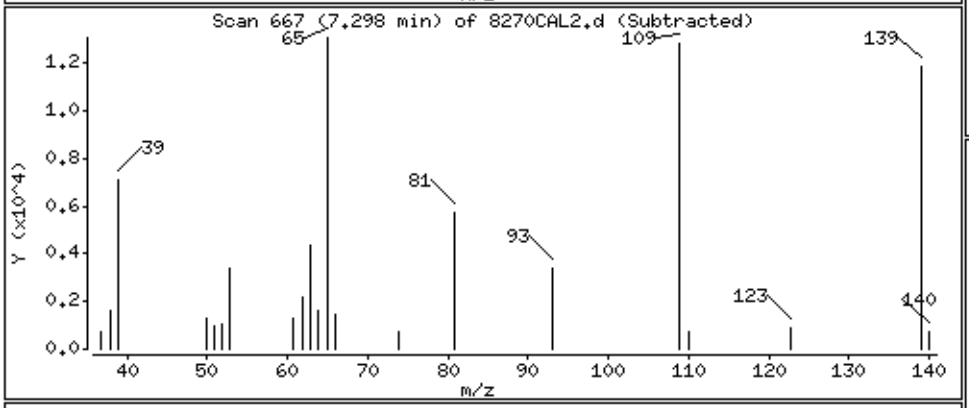
Column phase: HPMS-5

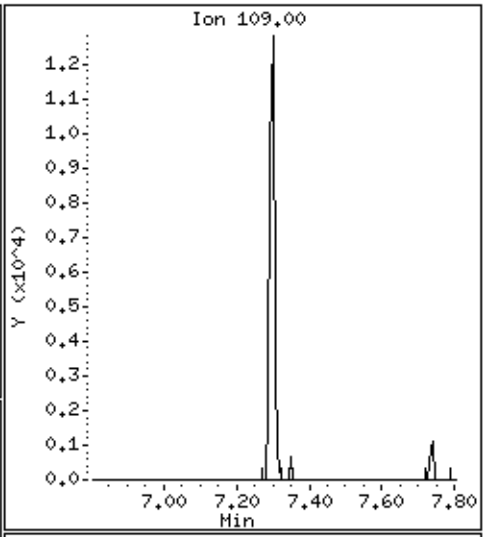
Column diameter: 0.25

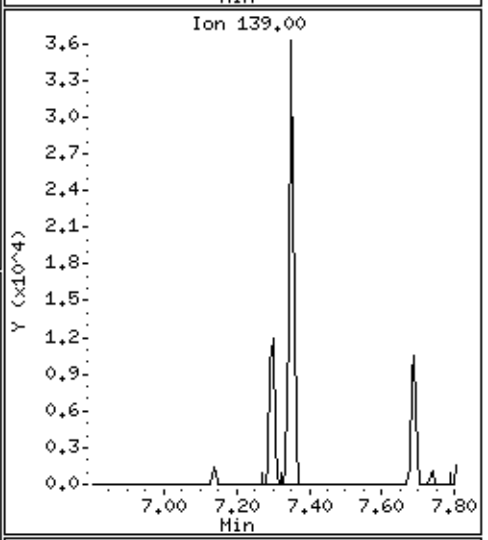
74 4-Nitrophenol

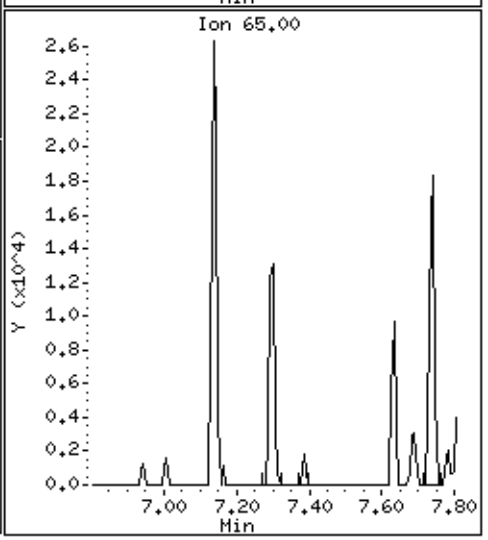
Concentration: 9.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

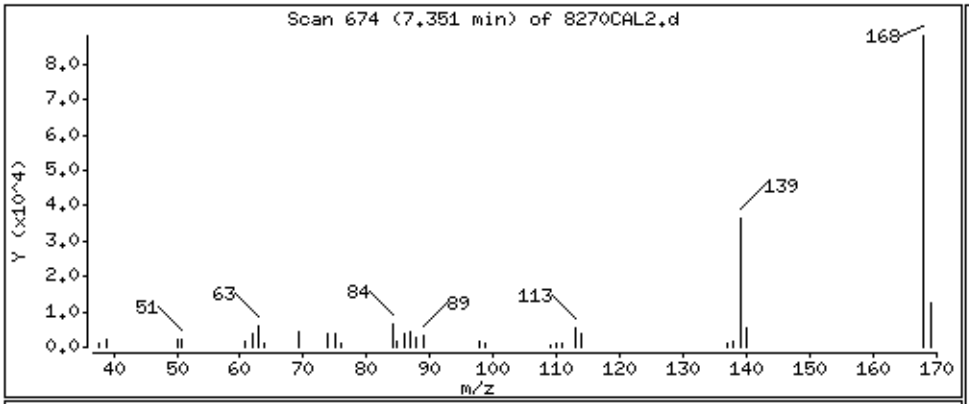
Operator: MJ

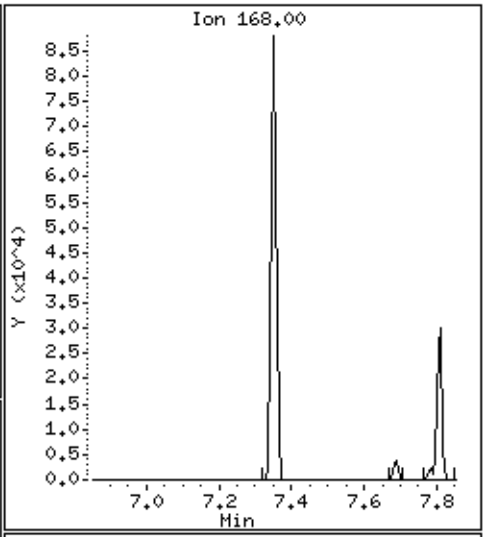
Column phase: HPMS-5

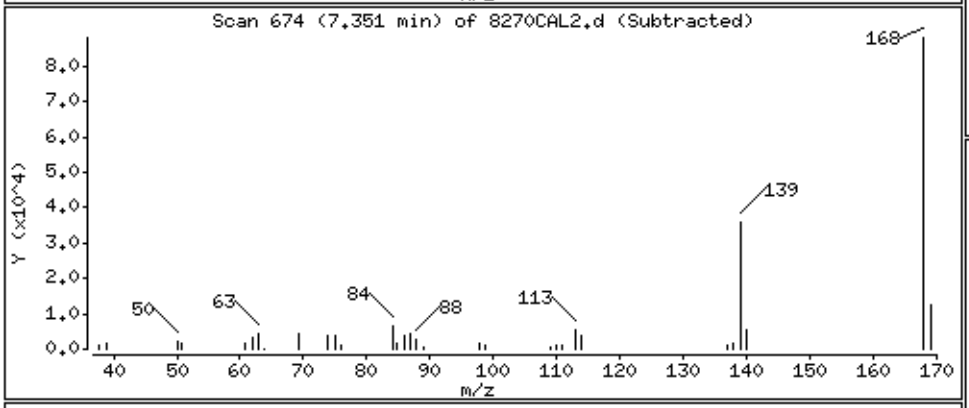
Column diameter: 0.25

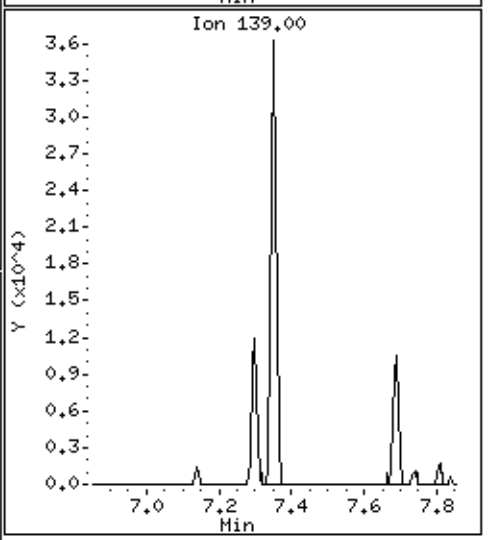
75 Dibenzofuran

Concentration: 9.5 ug/kg









Date : 15-NOV-2012 00:25

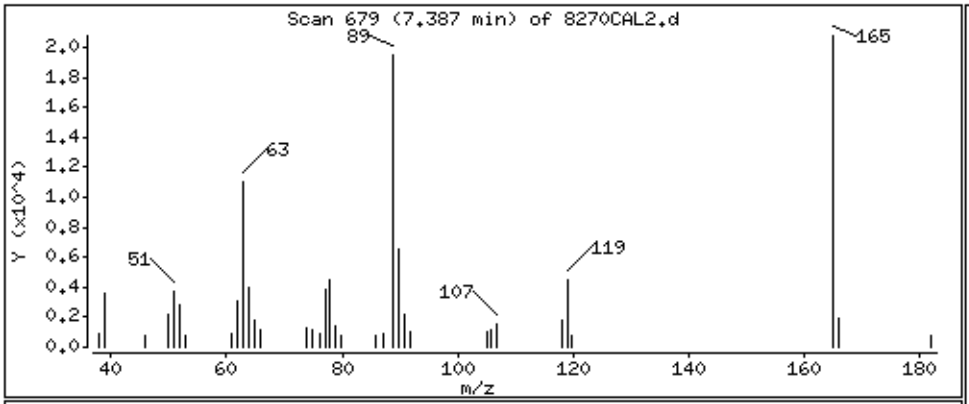
Client ID: 8270CAL2 Instrument: smsd04.i

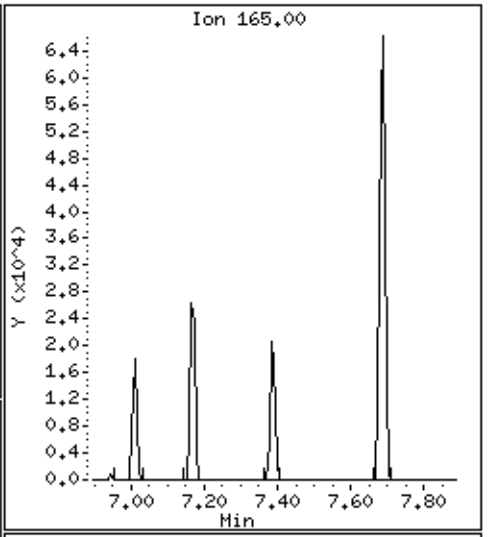
Sample Info: 47768

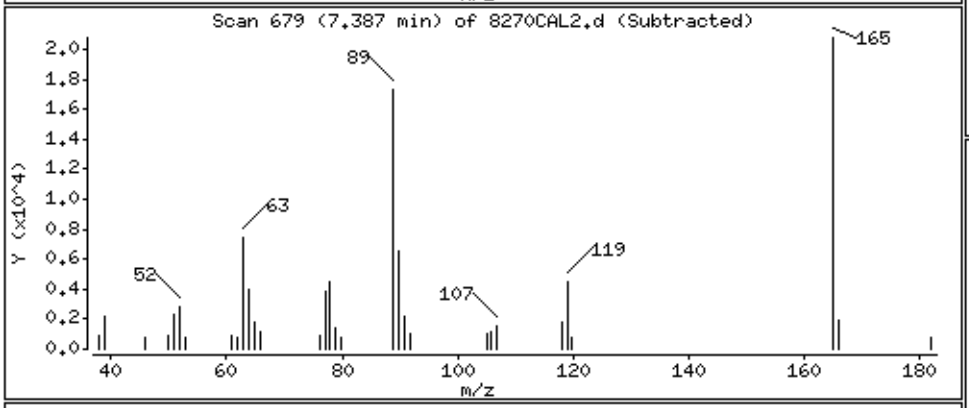
Operator: MJ

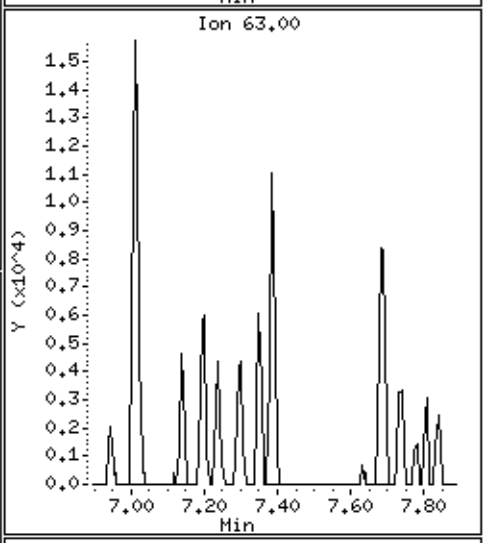
Column phase: HPMS-5 Column diameter: 0.25

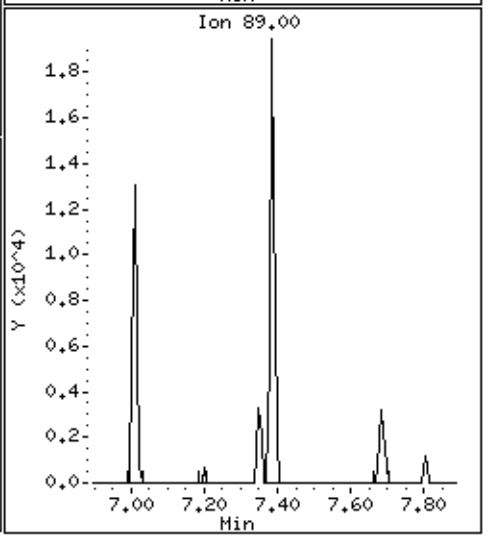
76 2,4-Dinitrotoluene Concentration: 9.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

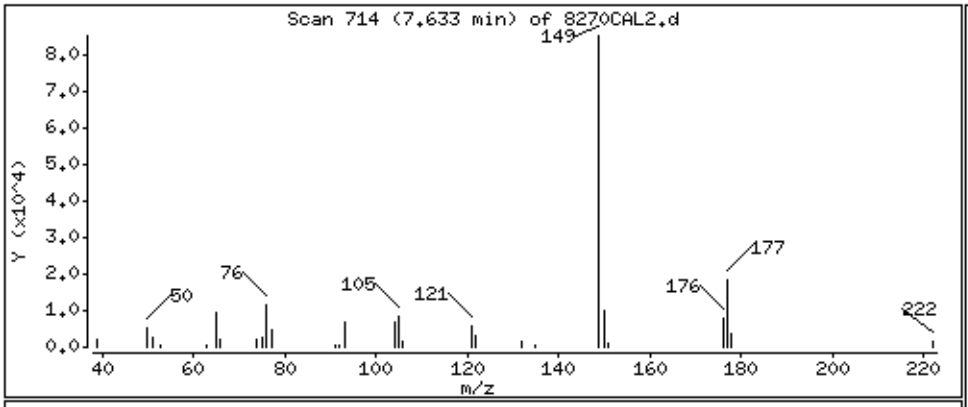
Client ID: 8270CAL2 Instrument: smsd04.i

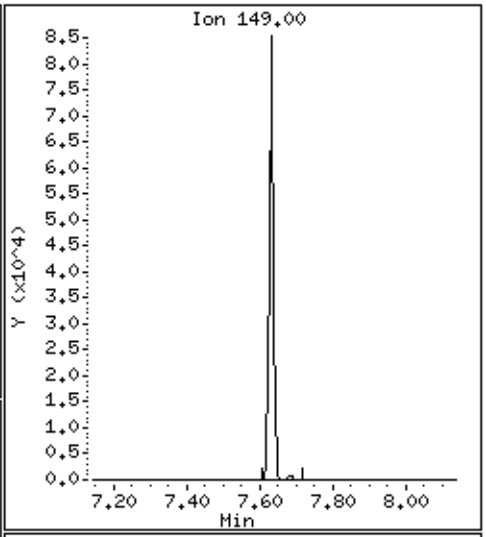
Sample Info: 47768

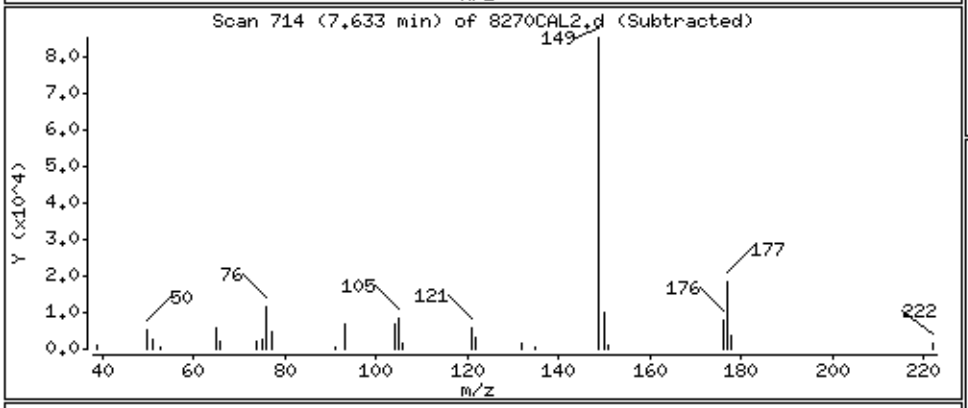
Operator: MJ

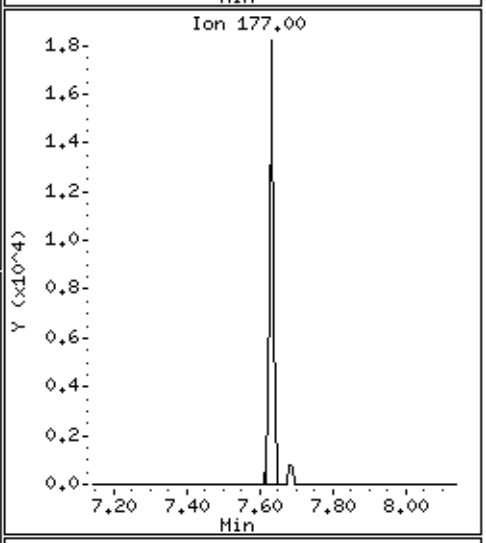
Column phase: HPMS-5 Column diameter: 0.25

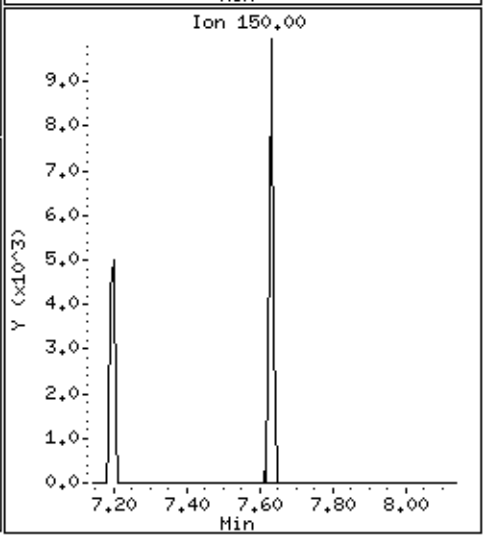
80 Diethylphthalate Concentration: 9.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

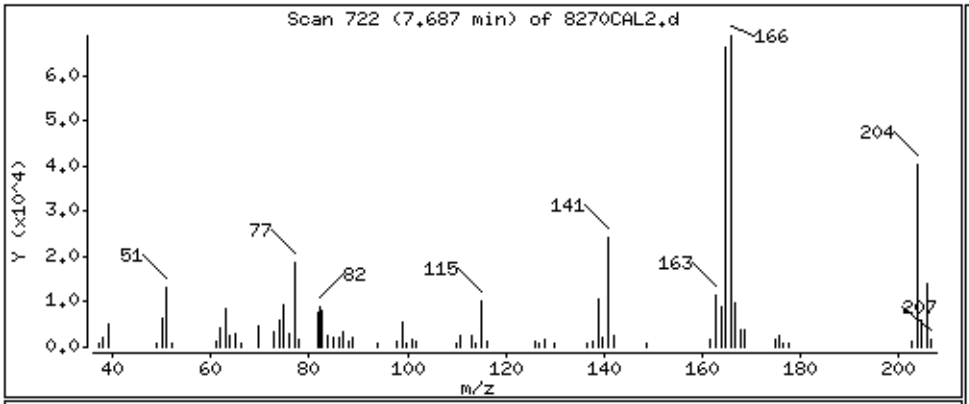
Operator: MJ

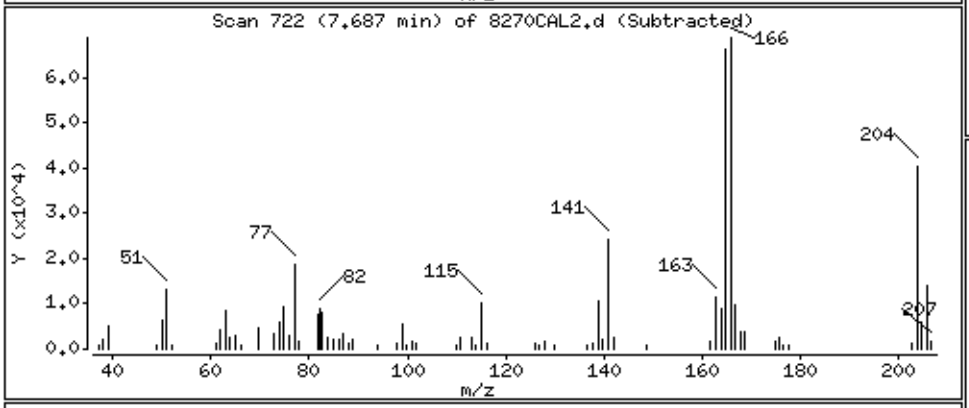
Column phase: HPMS-5

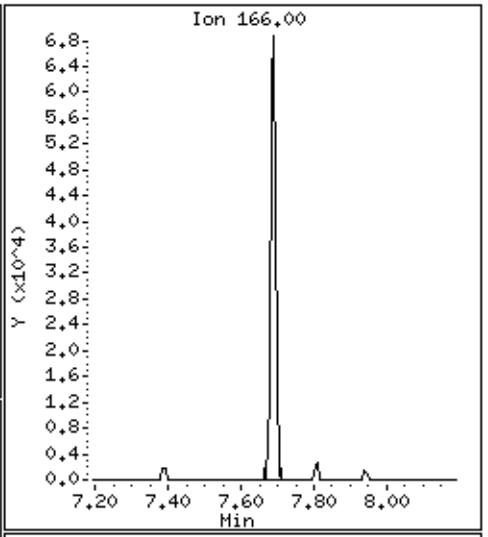
Column diameter: 0.25

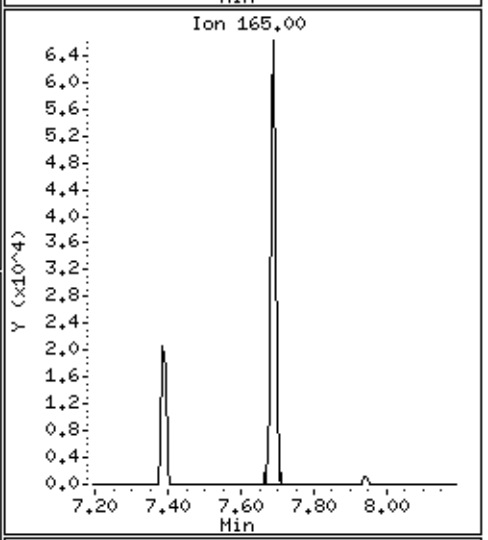
81 Fluorene

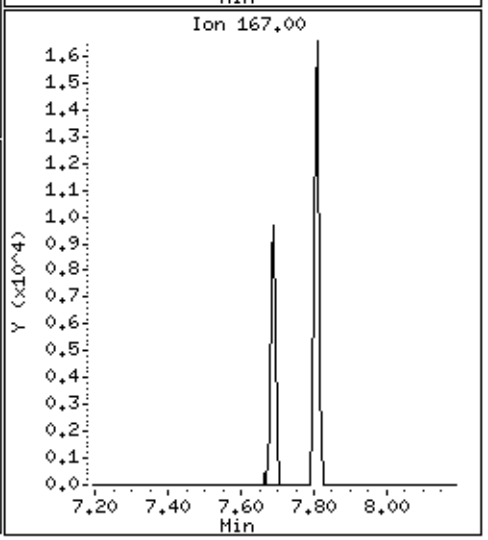
Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

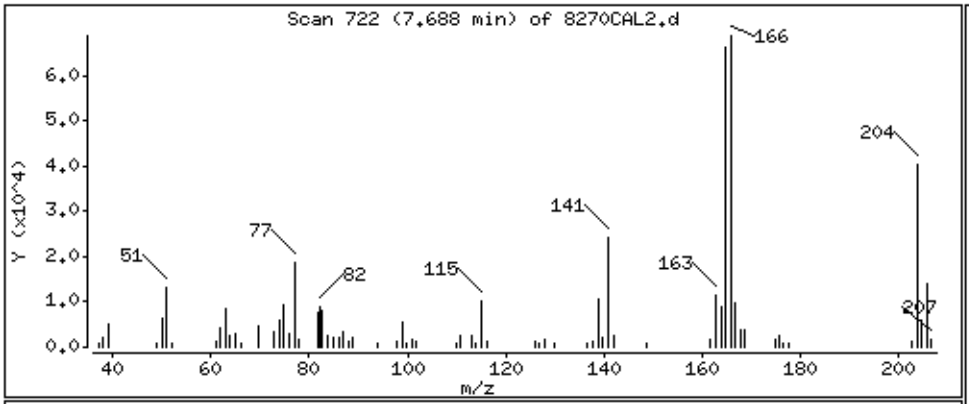
Operator: MJ

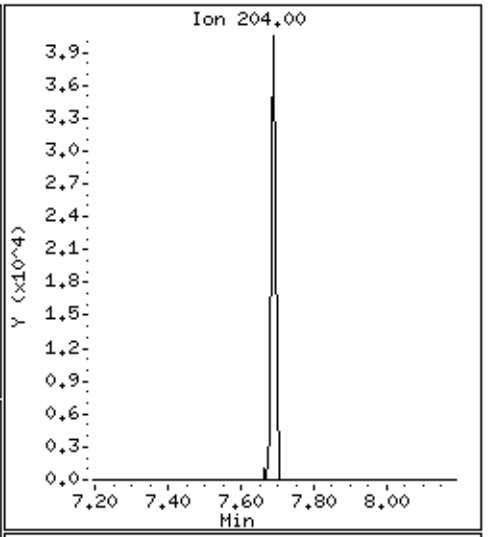
Column phase: HPMS-5

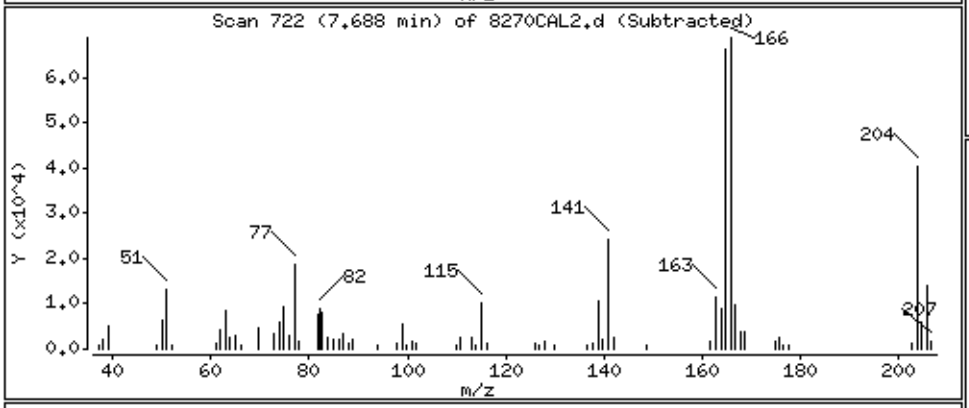
Column diameter: 0.25

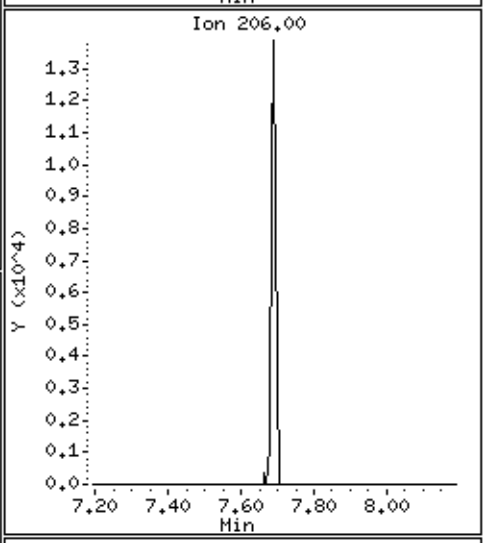
82 4-Chlorophenyl-phenylether

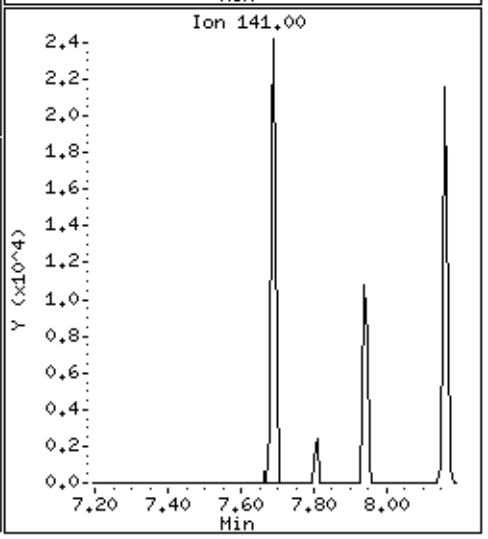
Concentration: 9.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

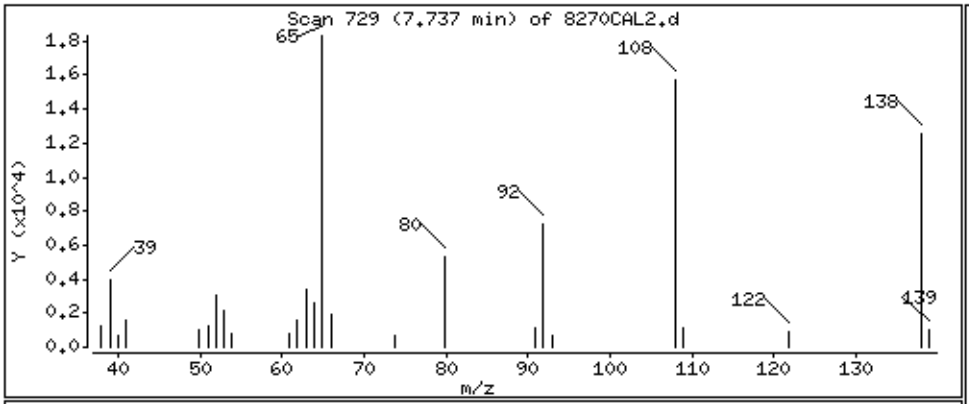
Operator: MJ

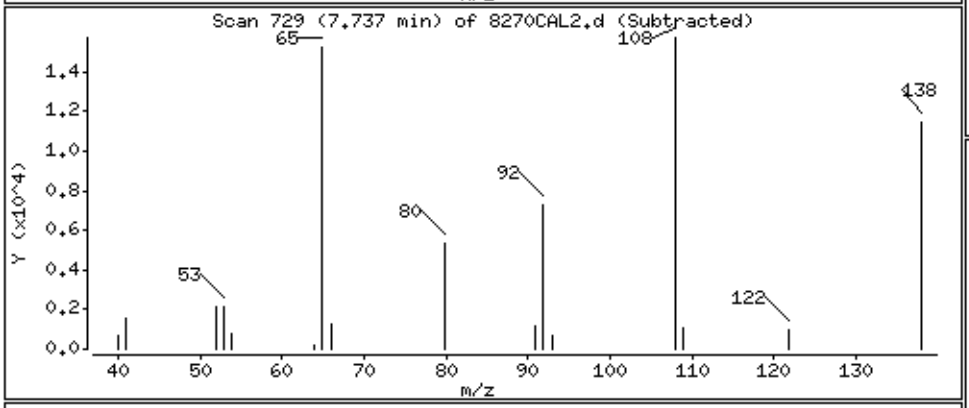
Column phase: HPMS-5

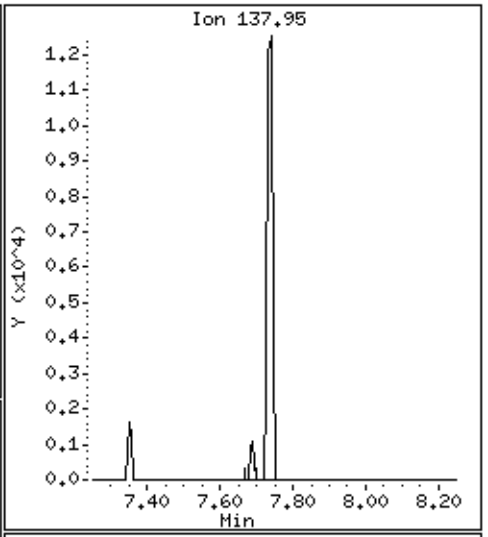
Column diameter: 0.25

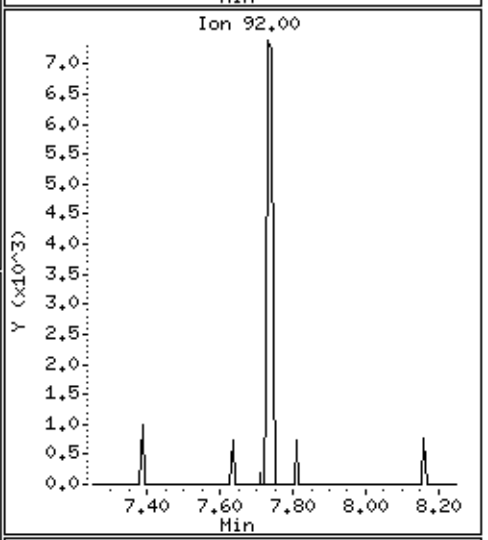
84 4-Nitroaniline

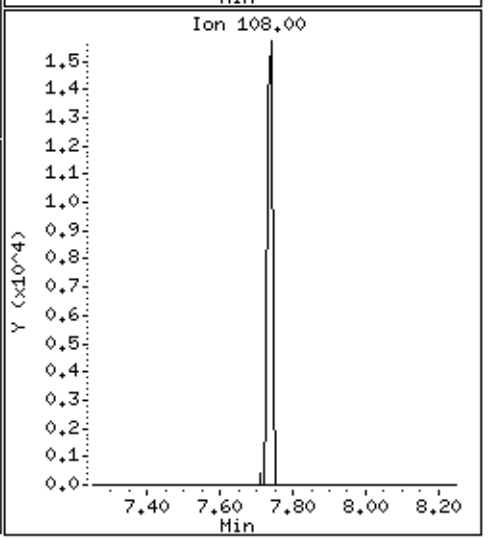
Concentration: 9.4 ug/kg











Date : 15-NOV-2012 00:25

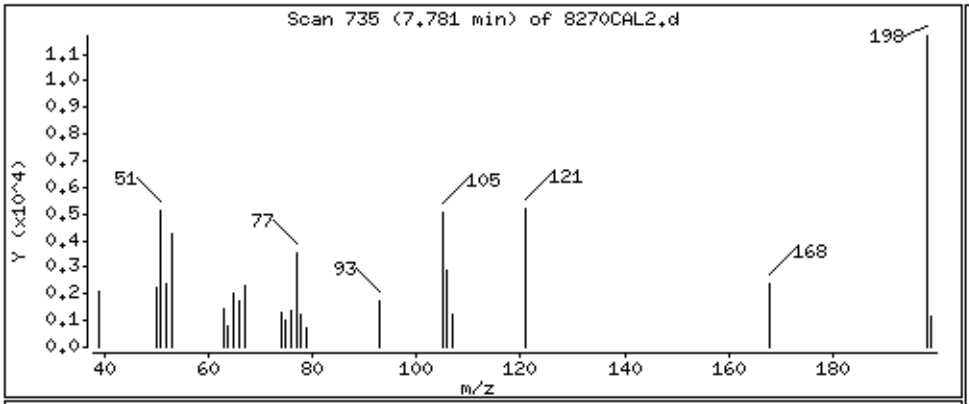
Client ID: 8270CAL2 Instrument: smsd04.i

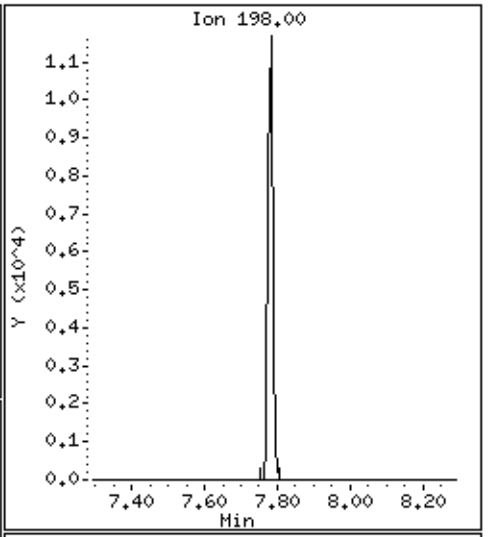
Sample Info: 47768

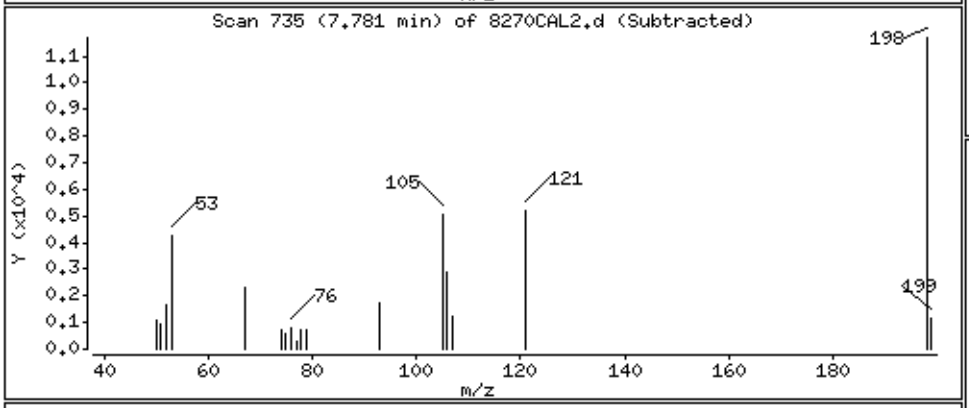
Operator: MJ

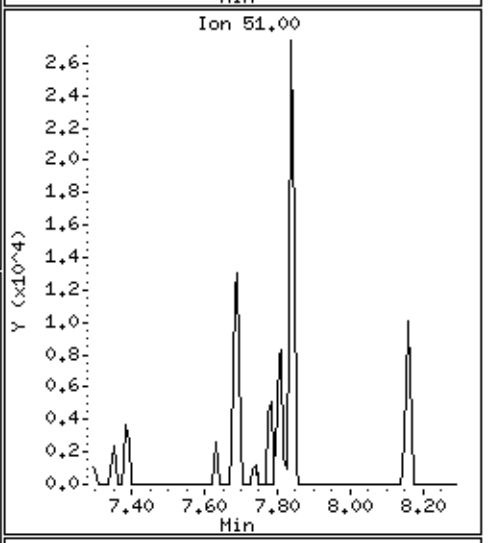
Column phase: HPMS-5 Column diameter: 0.25

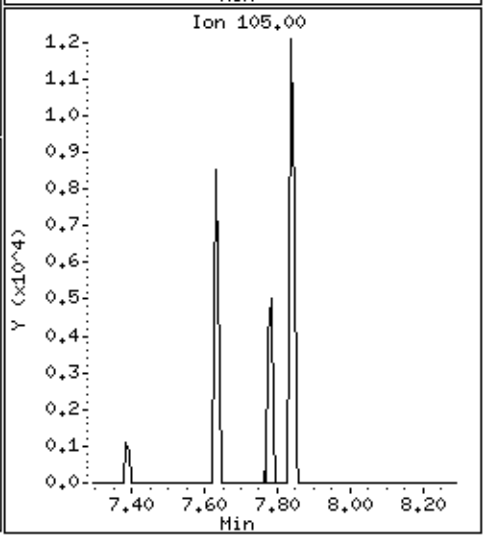
85 4,6-Dinitro-2-methylphenol Concentration: 7.7 ug/kg











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Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

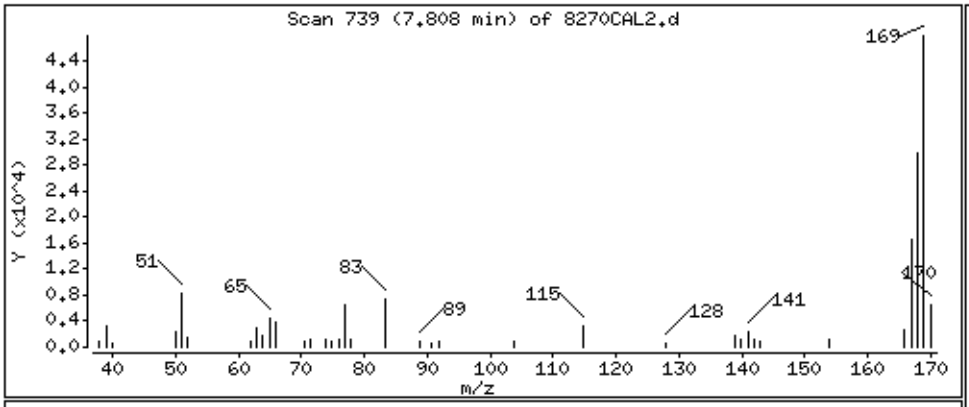
Operator: MJ

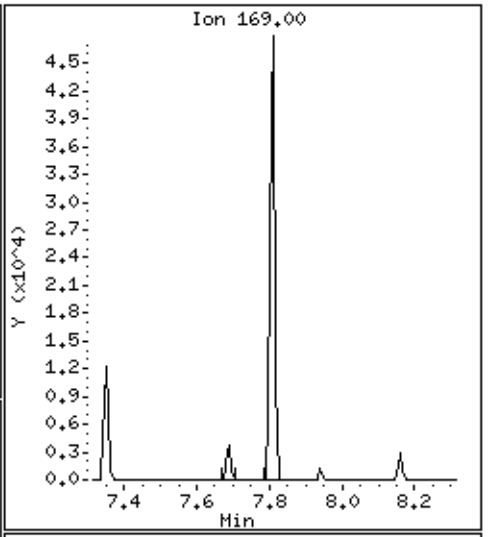
Column phase: HPMS-5

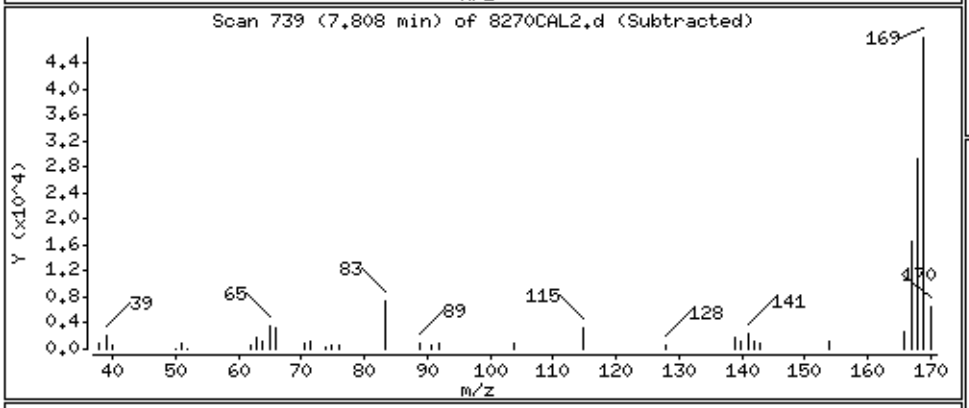
Column diameter: 0.25

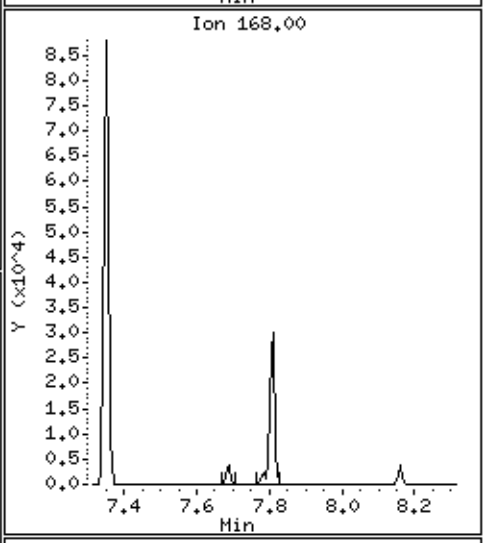
86 N-Nitrosodiphenylamine

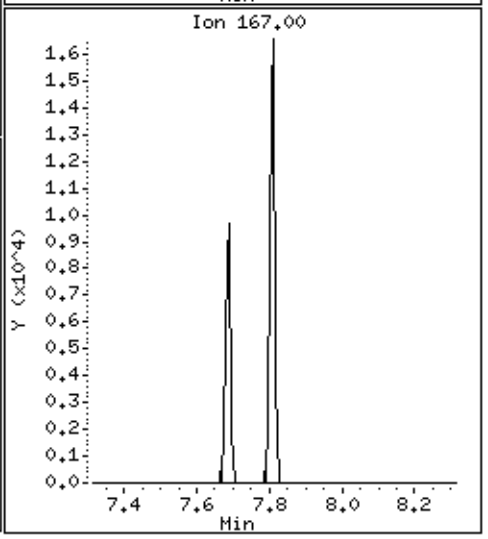
Concentration: 9.7 ug/kg











Date : 15-NOV-2012 00:25

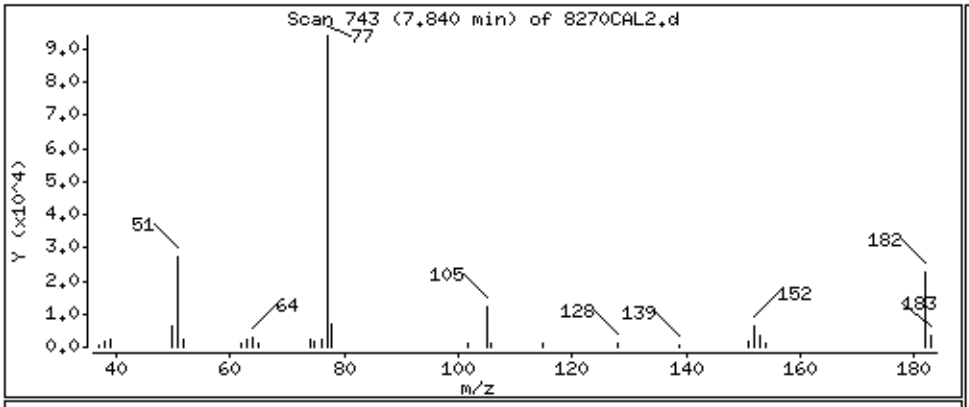
Client ID: 8270CAL2 Instrument: smsd04.i

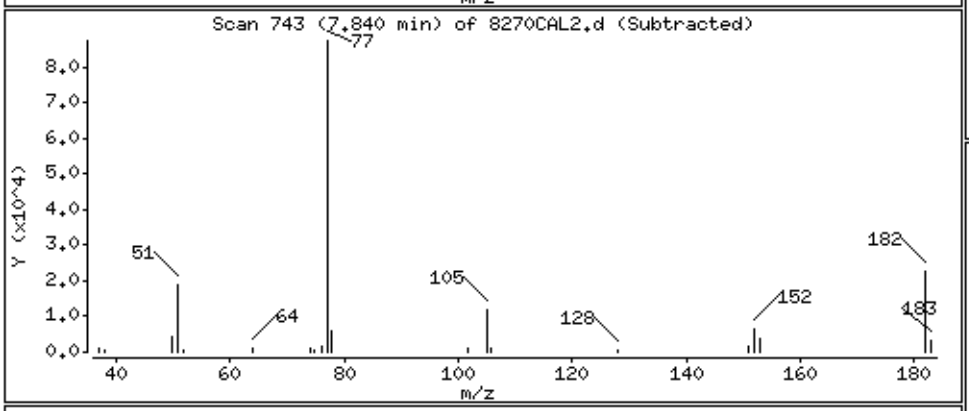
Sample Info: 47768

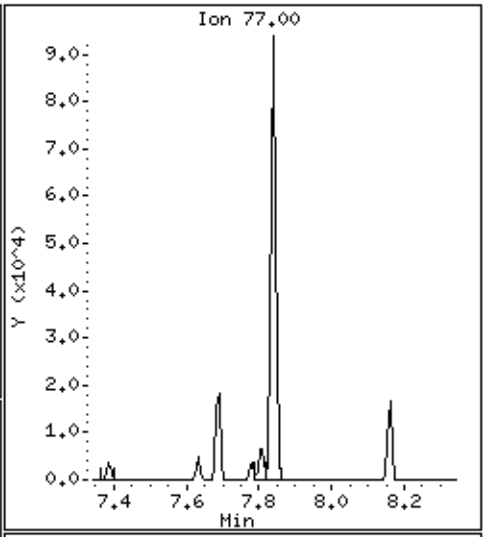
Operator: MJ

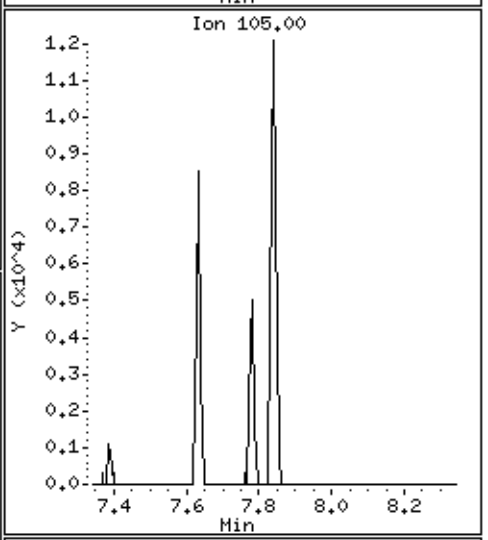
Column phase: HPMS-5 Column diameter: 0.25

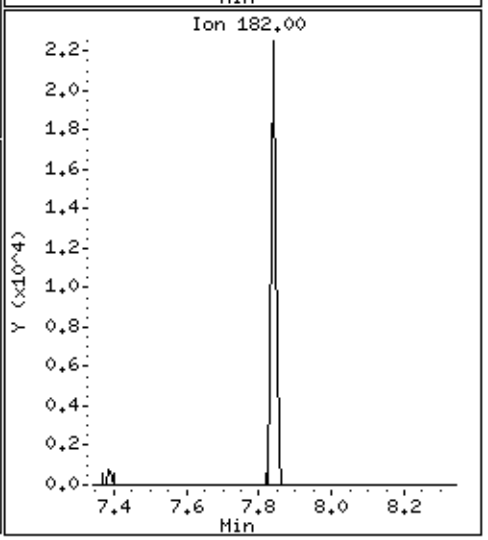
87 1,2-Diphenylhydrazine Concentration: 9.8 ug/kg











Date : 15-NOV-2012 00:25

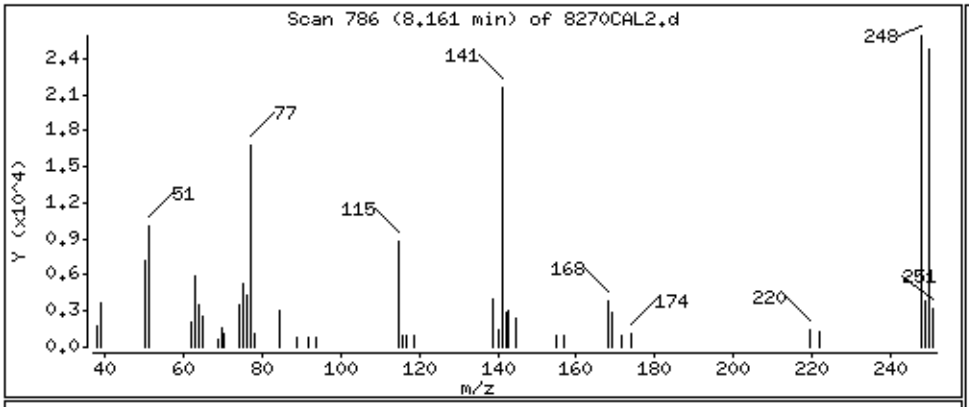
Client ID: 8270CAL2 Instrument: smsd04.i

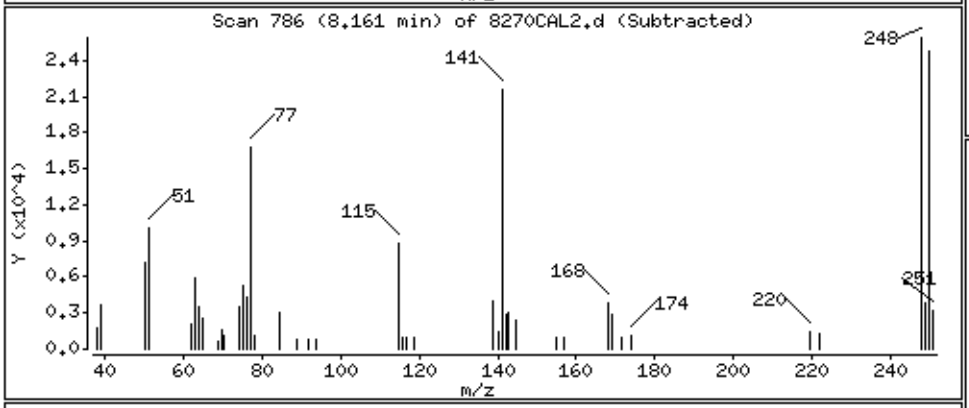
Sample Info: 47768

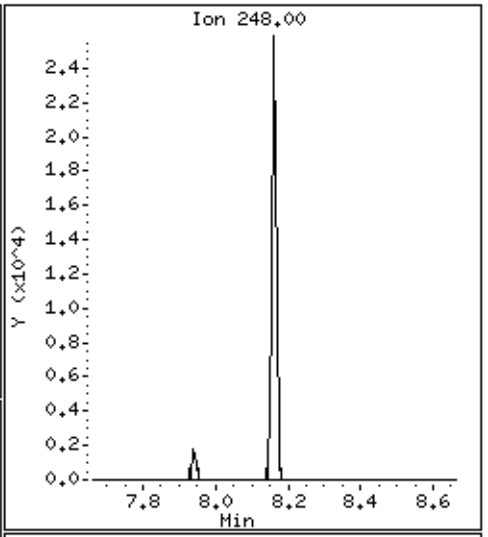
Operator: MJ

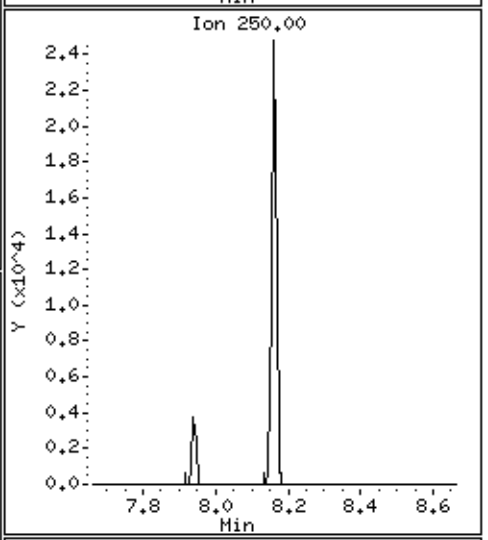
Column phase: HPMS-5 Column diameter: 0.25

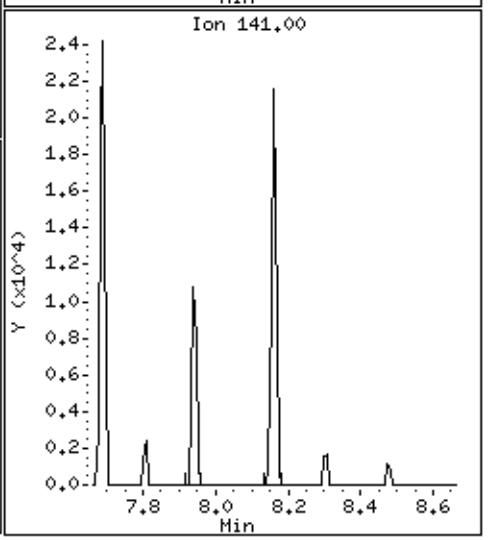
93 4-Bromophenylphenylether Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

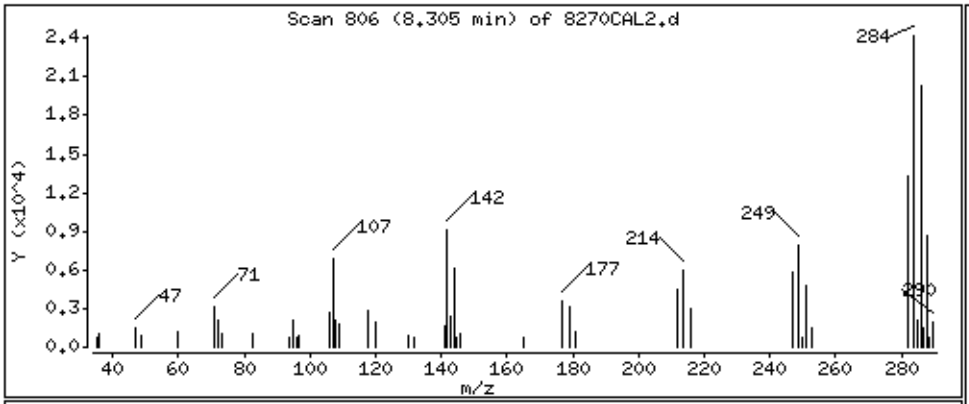
Operator: MJ

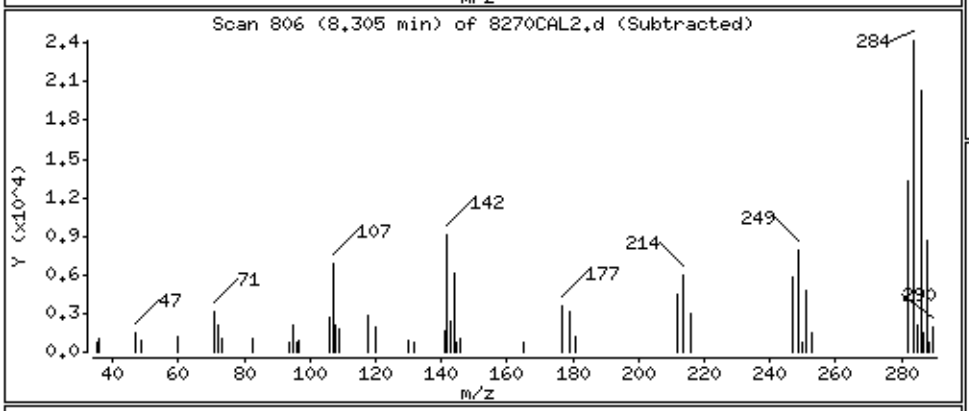
Column phase: HPMS-5

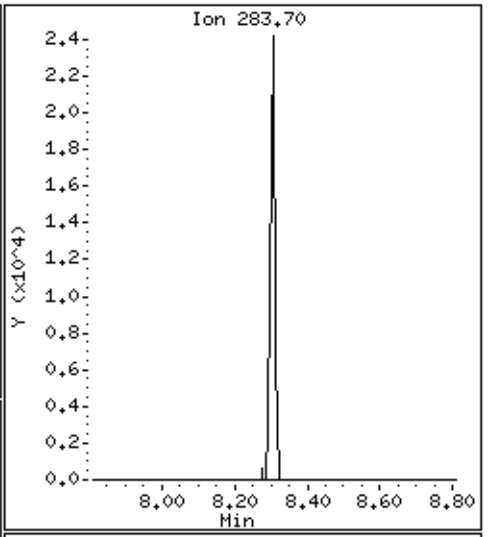
Column diameter: 0.25

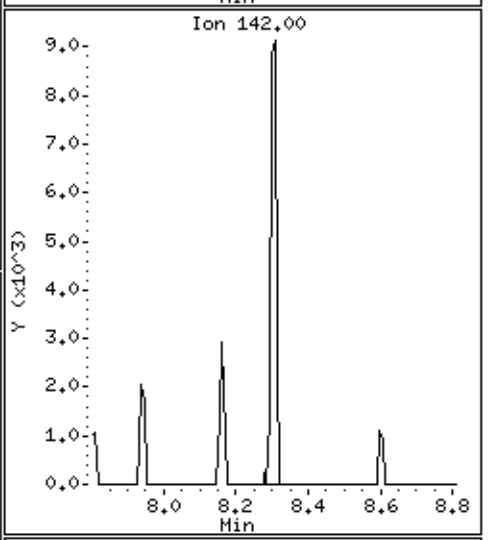
94 Hexachlorobenzene

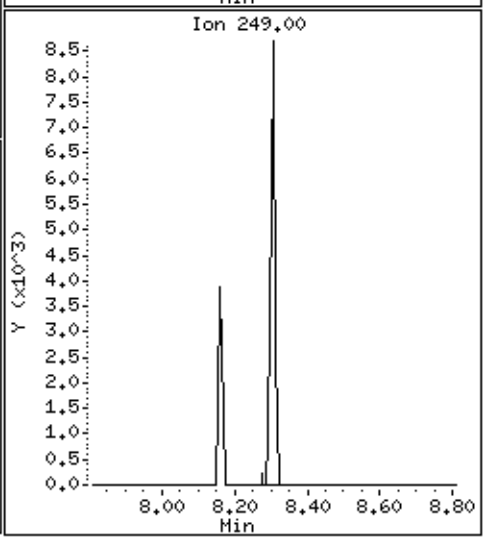
Concentration: 8.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

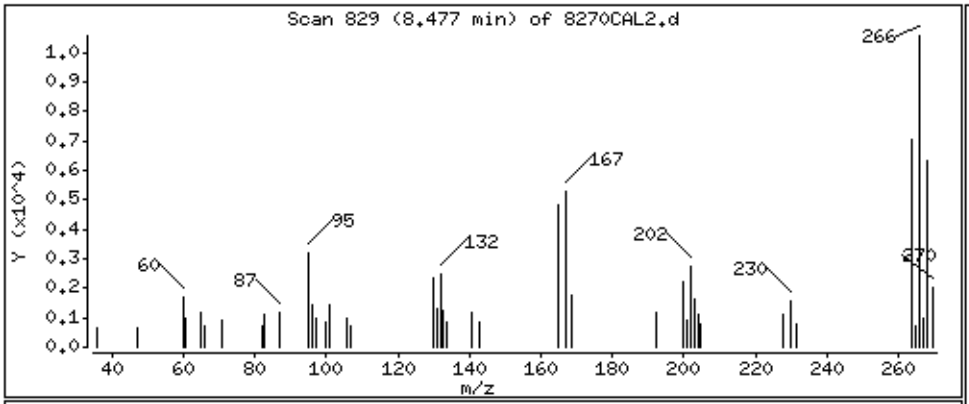
Operator: MJ

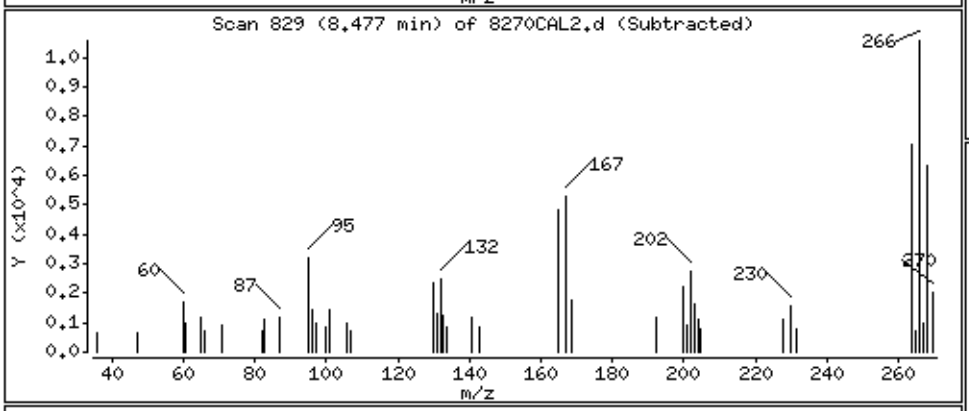
Column phase: HPMS-5

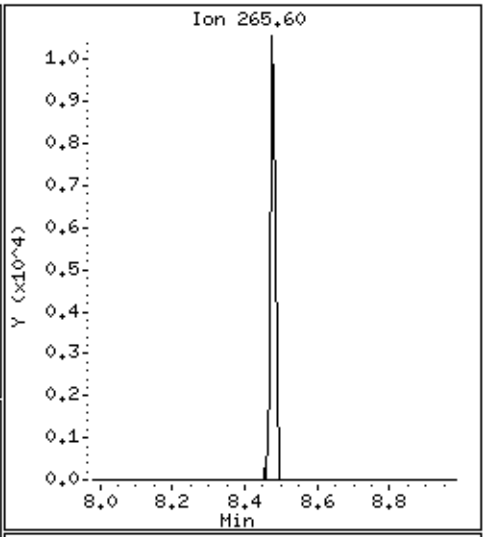
Column diameter: 0.25

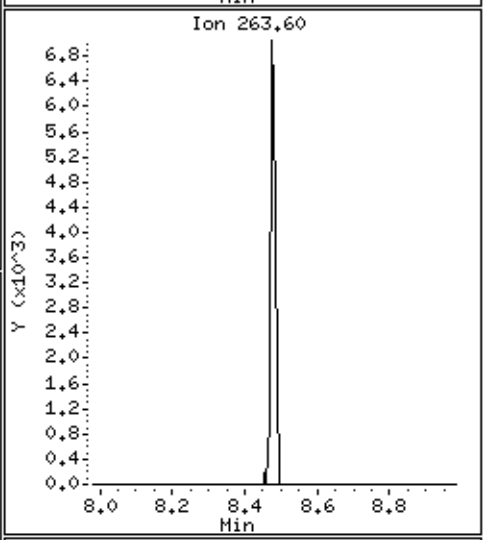
96 Pentachlorophenol

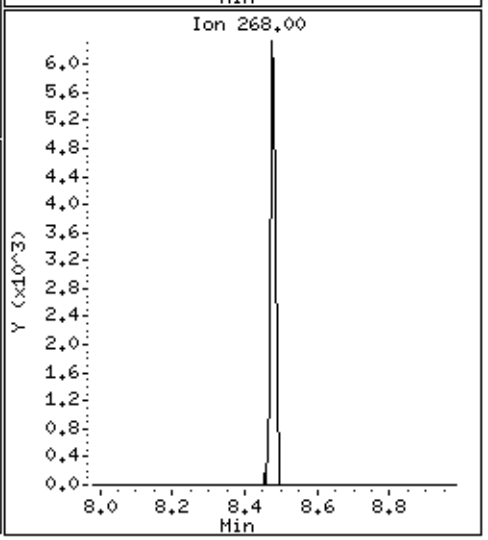
Concentration: 12.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

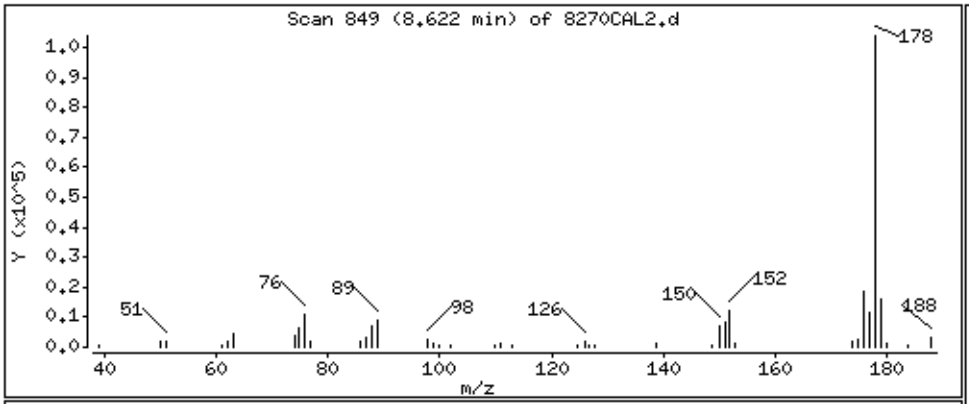
Operator: MJ

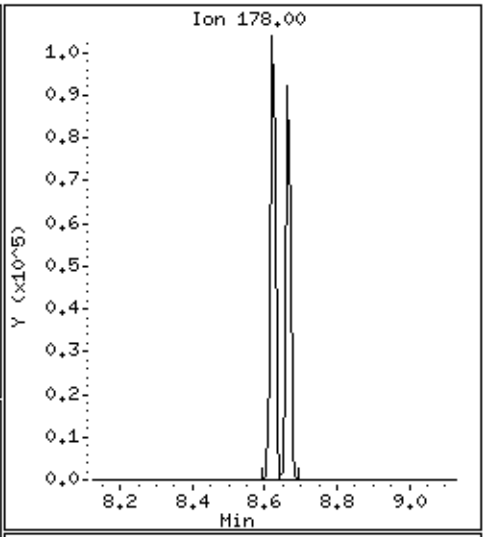
Column phase: HPMS-5

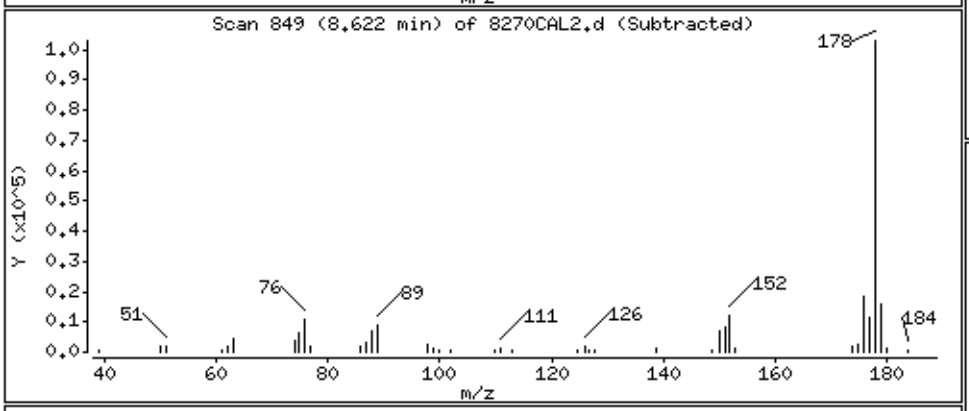
Column diameter: 0.25

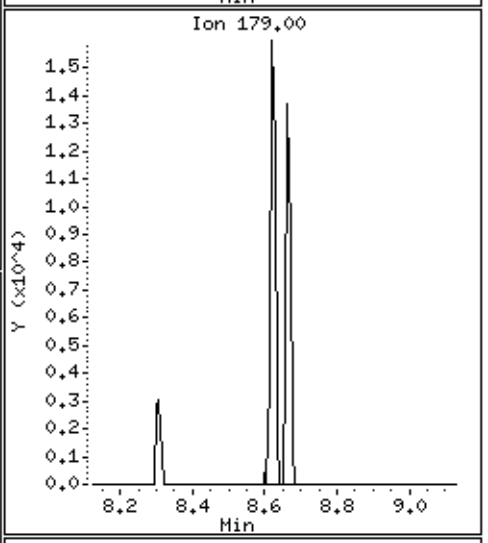
101 Phenanthrene

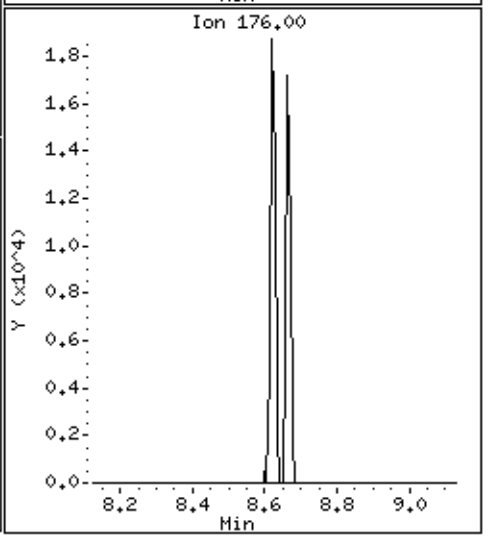
Concentration: 9.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

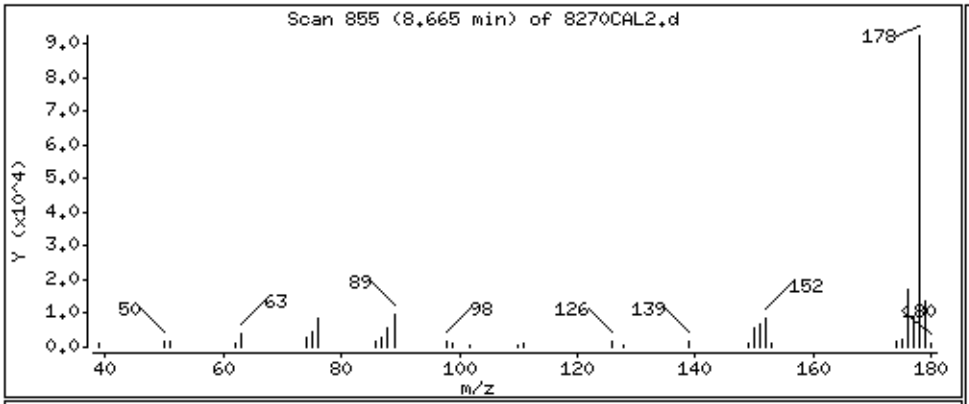
Operator: MJ

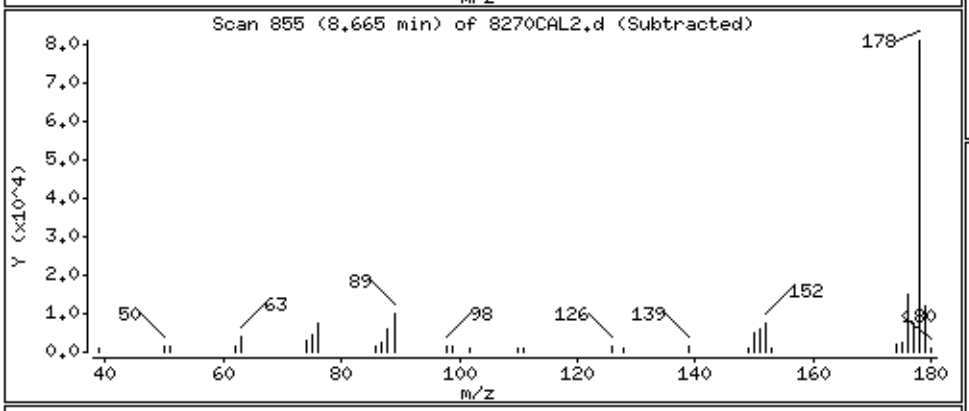
Column phase: HPMS-5

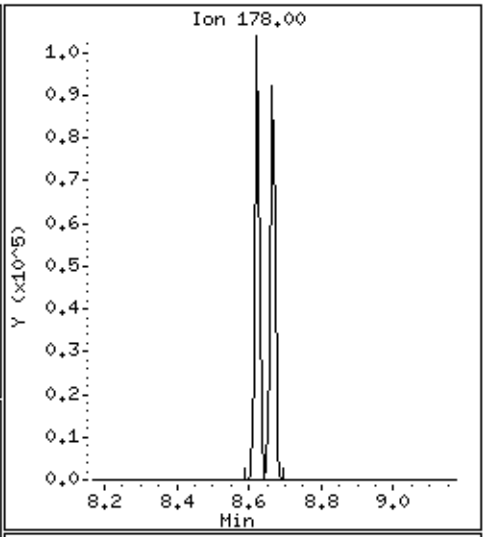
Column diameter: 0.25

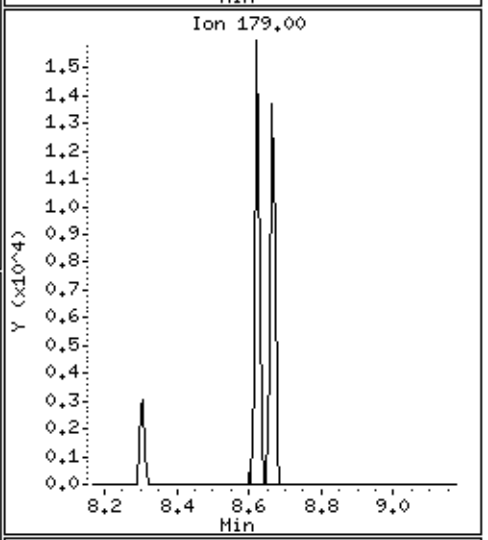
103 Anthracene

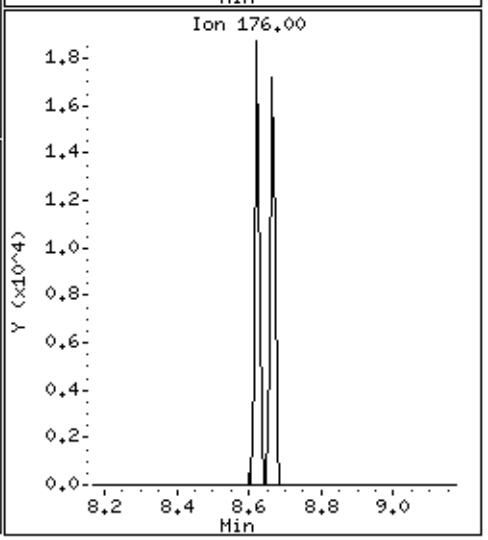
Concentration: 9.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

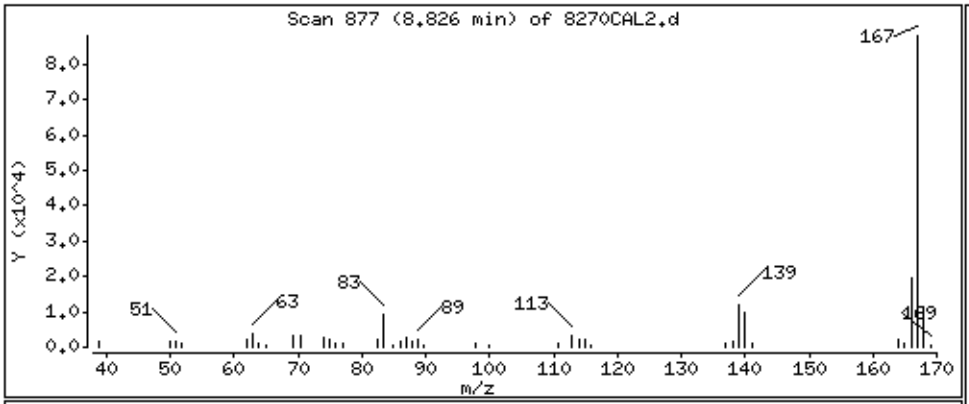
Operator: MJ

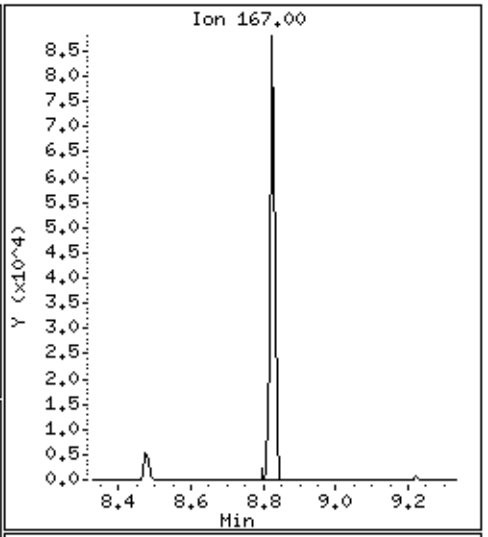
Column phase: HPMS-5

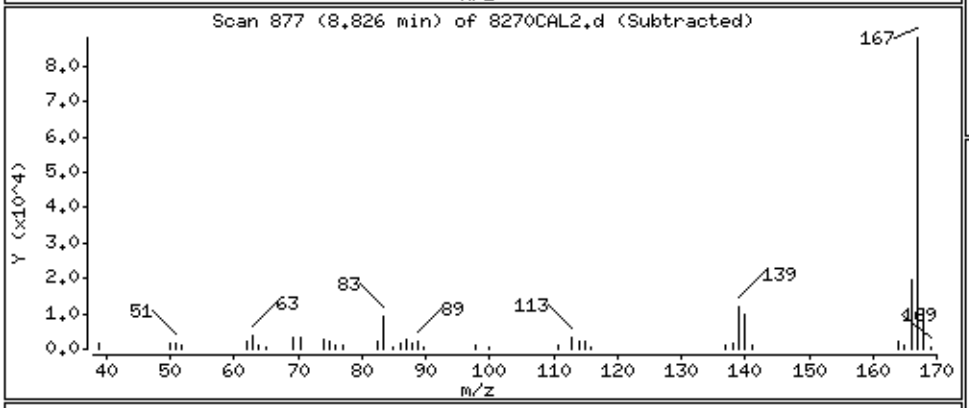
Column diameter: 0.25

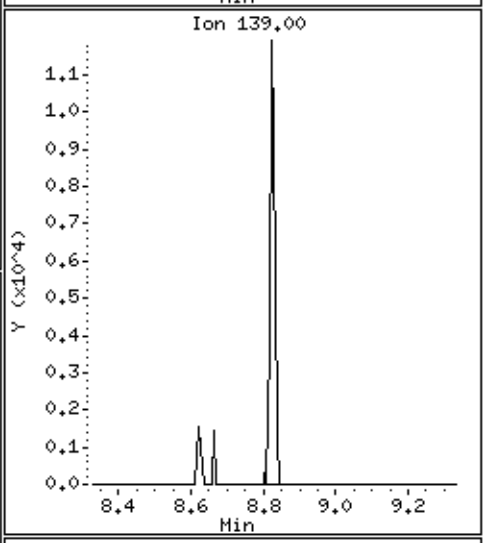
104 Carbazole

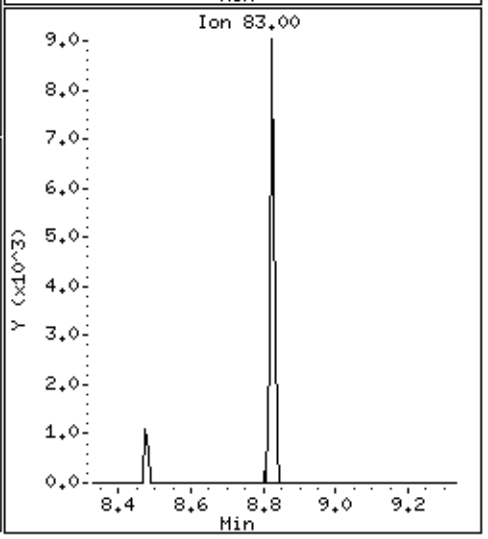
Concentration: 9.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

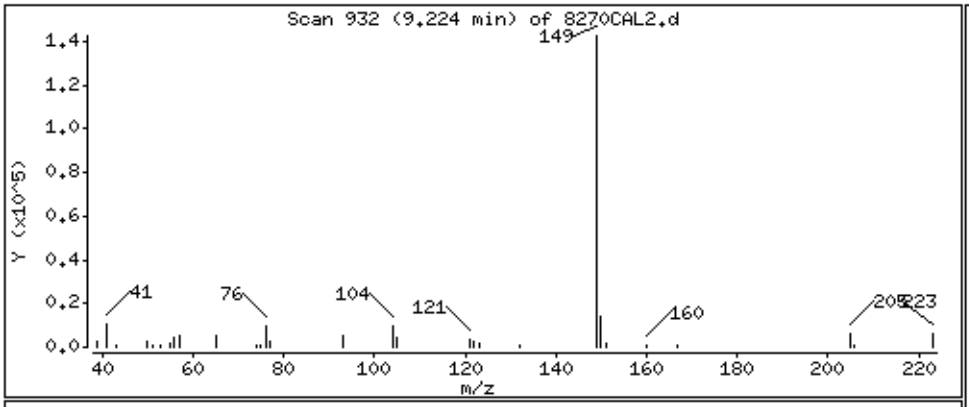
Operator: MJ

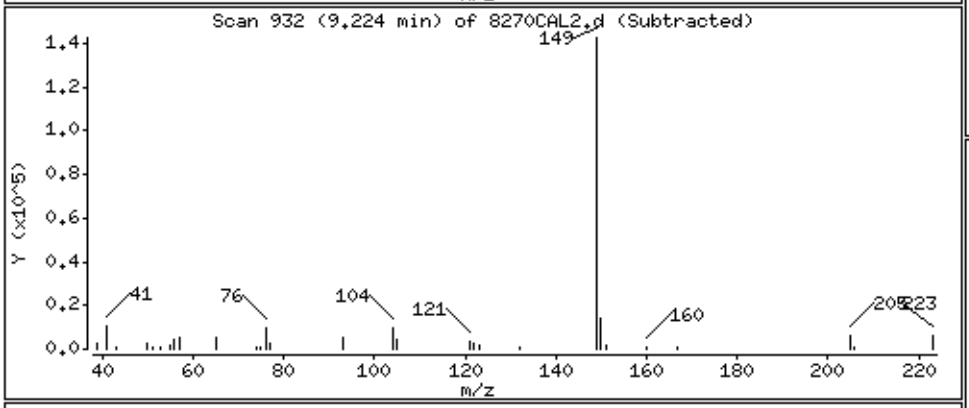
Column phase: HPMS-5

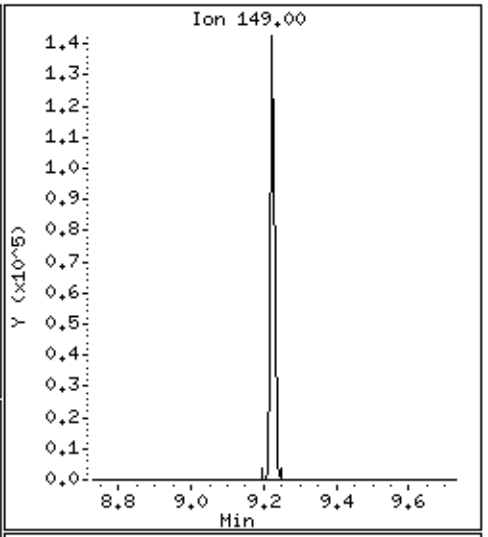
Column diameter: 0.25

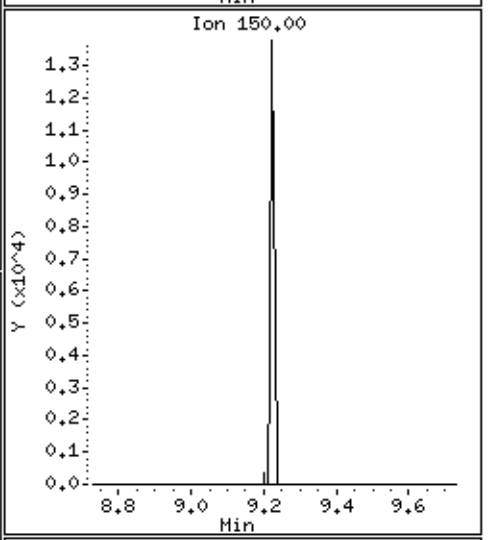
105 Di-n-butylphthalate

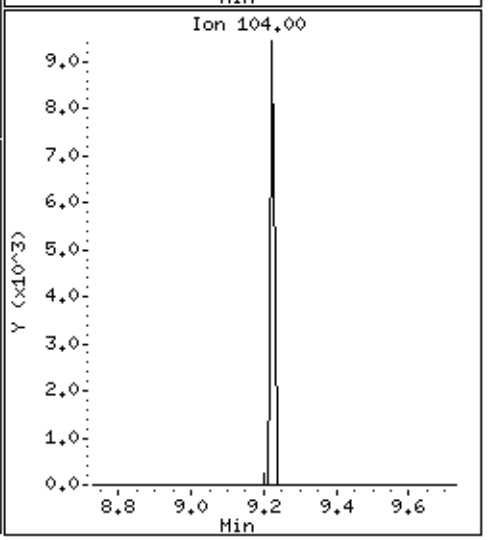
Concentration: 9.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

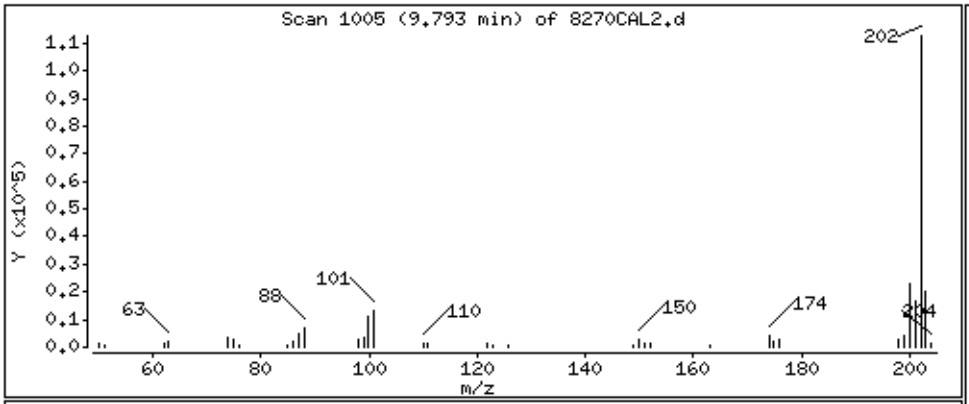
Operator: MJ

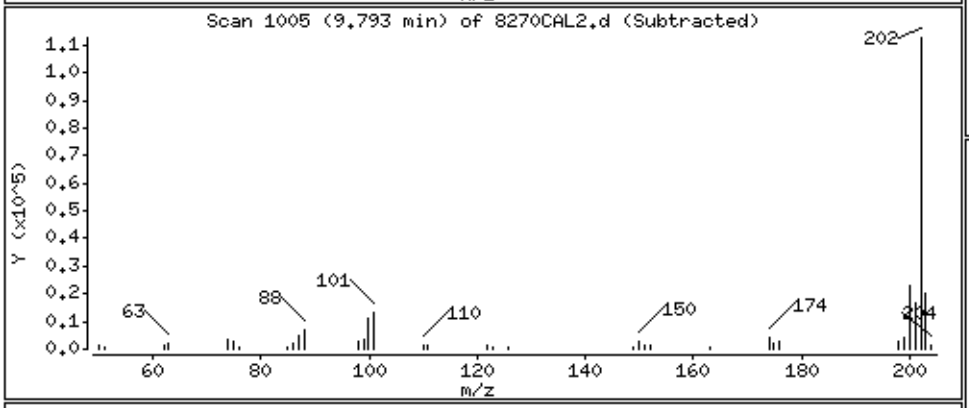
Column phase: HPMS-5

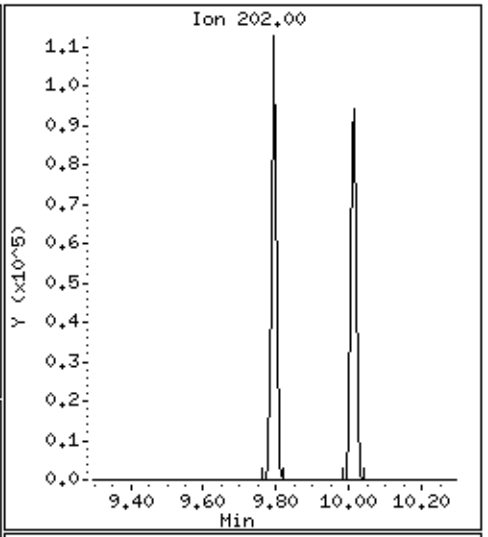
Column diameter: 0.25

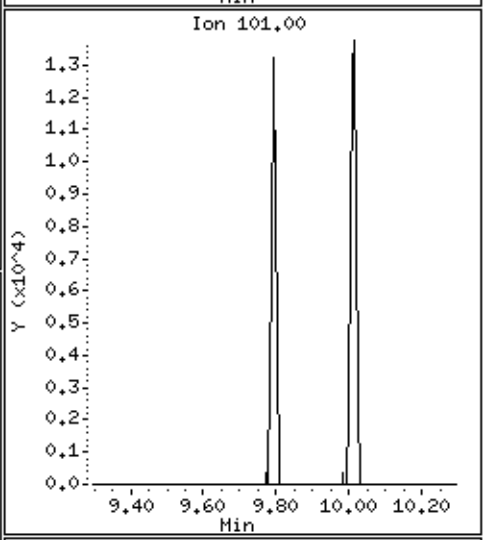
109 Fluoranthene

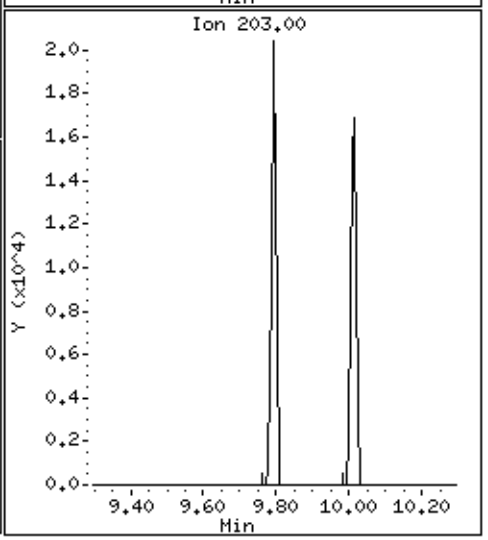
Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

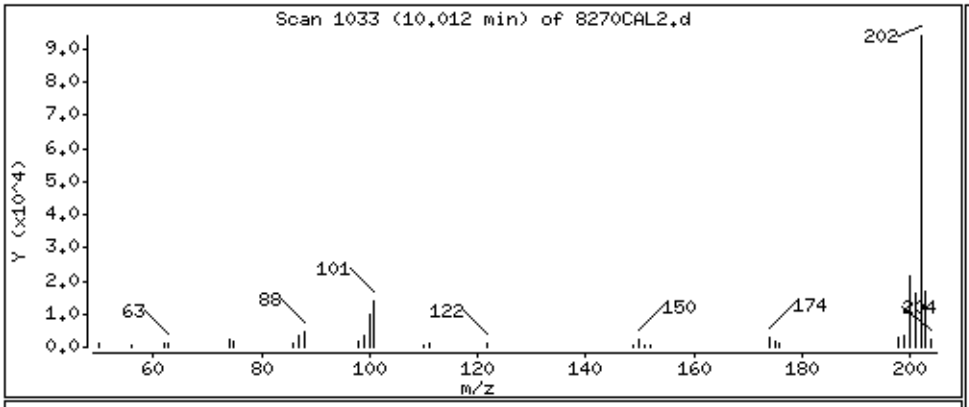
Operator: MJ

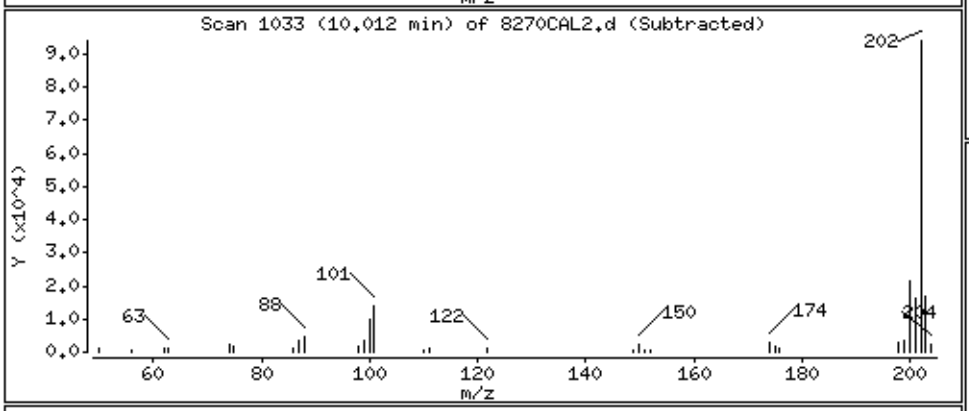
Column phase: HPMS-5

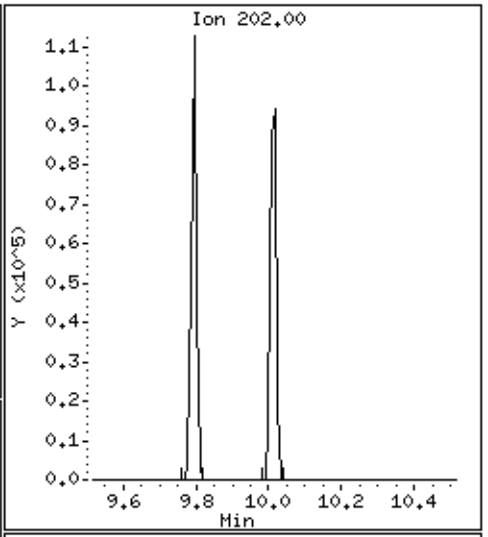
Column diameter: 0.25

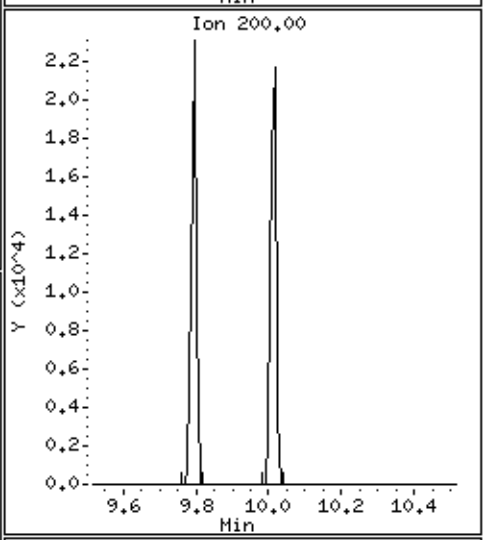
111 Pyrene

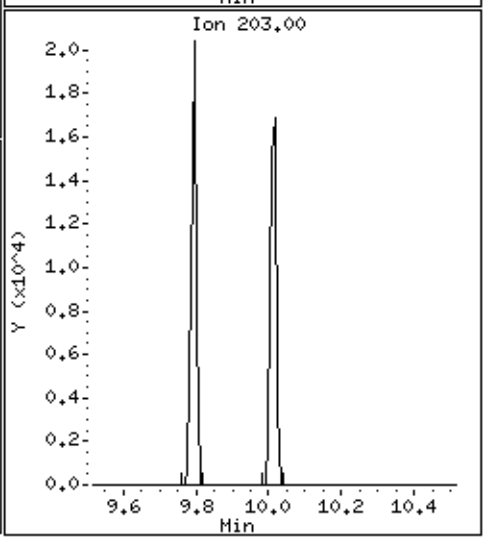
Concentration: 9.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

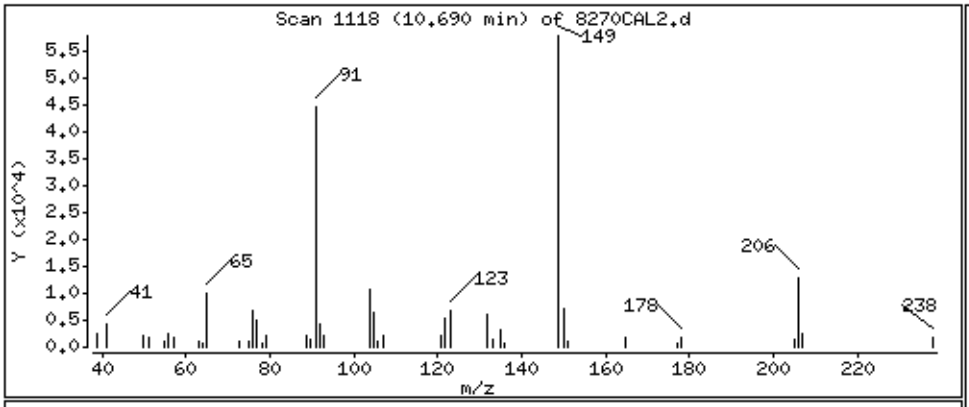
Client ID: 8270CAL2 Instrument: smsd04.i

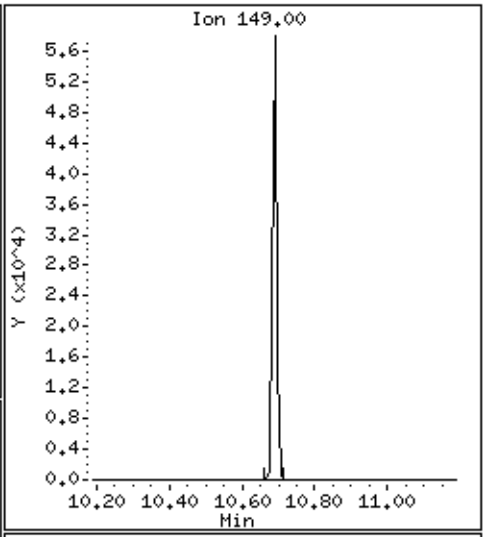
Sample Info: 47768

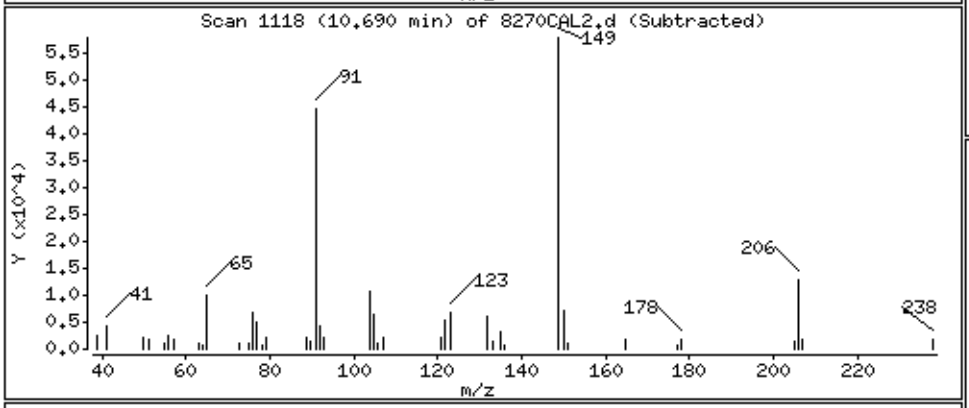
Operator: MJ

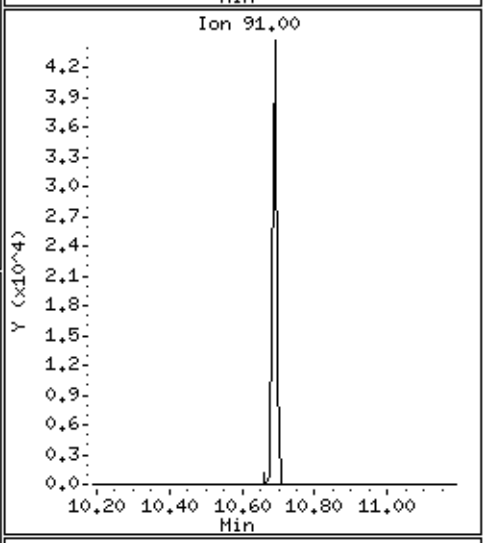
Column phase: HPMS-5 Column diameter: 0.25

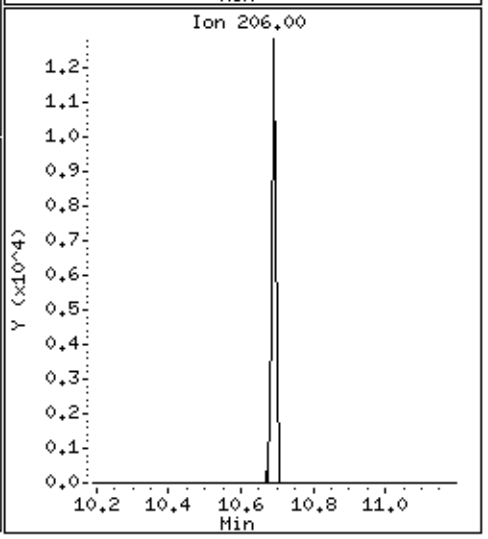
118 Butylbenzylphthalate Concentration: 8.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

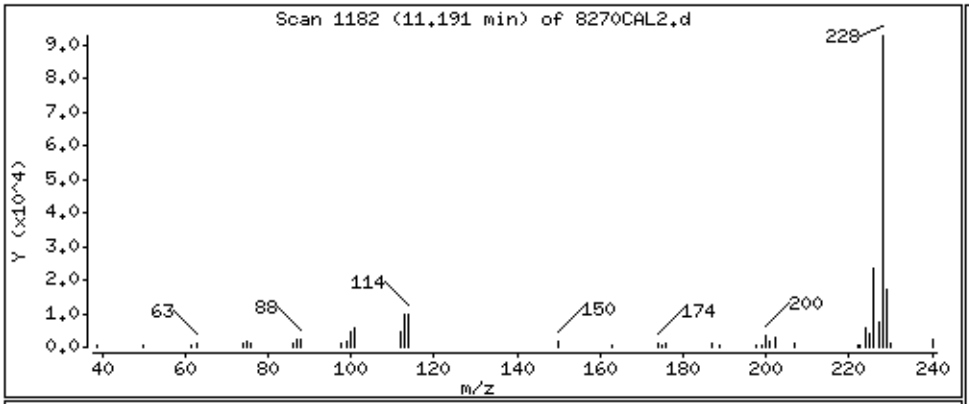
Client ID: 8270CAL2 Instrument: smsd04.i

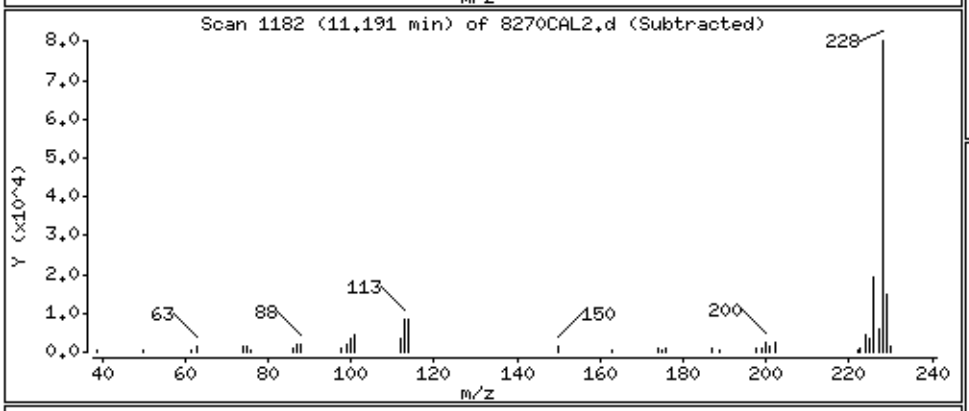
Sample Info: 47768

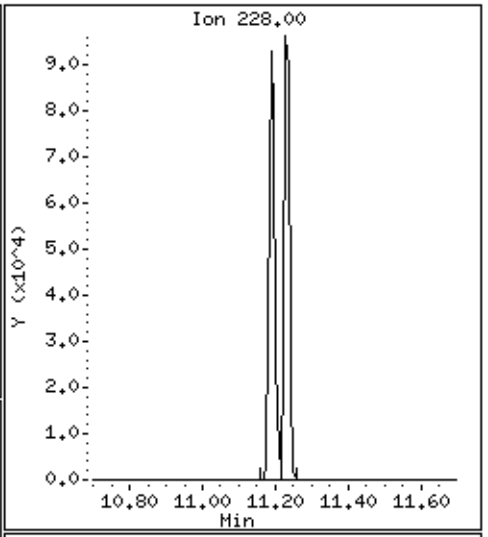
Operator: MJ

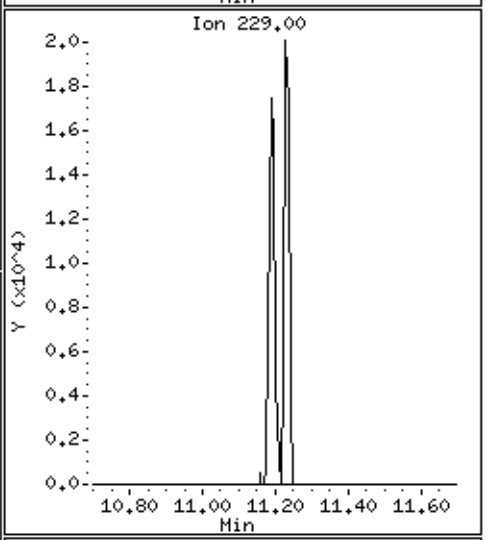
Column phase: HPMS-5 Column diameter: 0.25

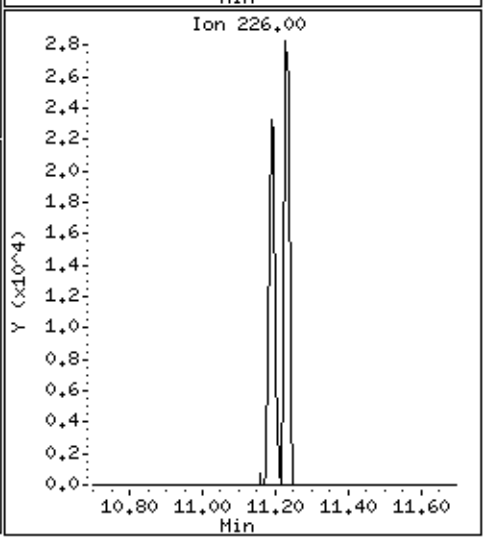
120 Benzo[a]anthracene Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

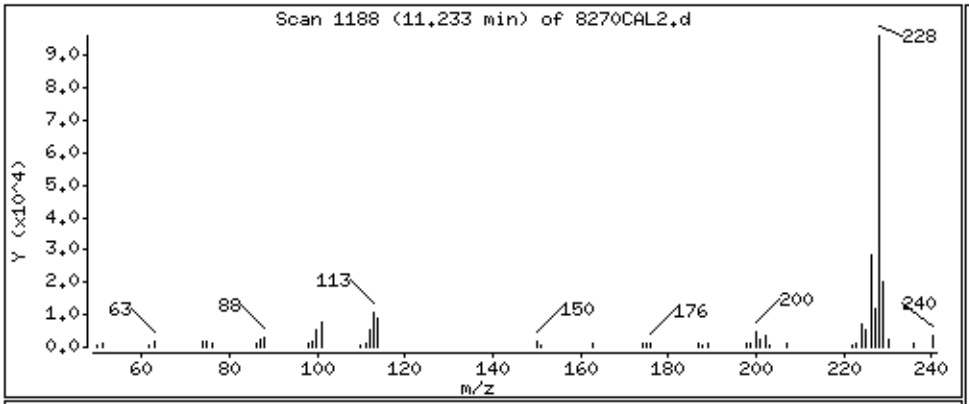
Operator: MJ

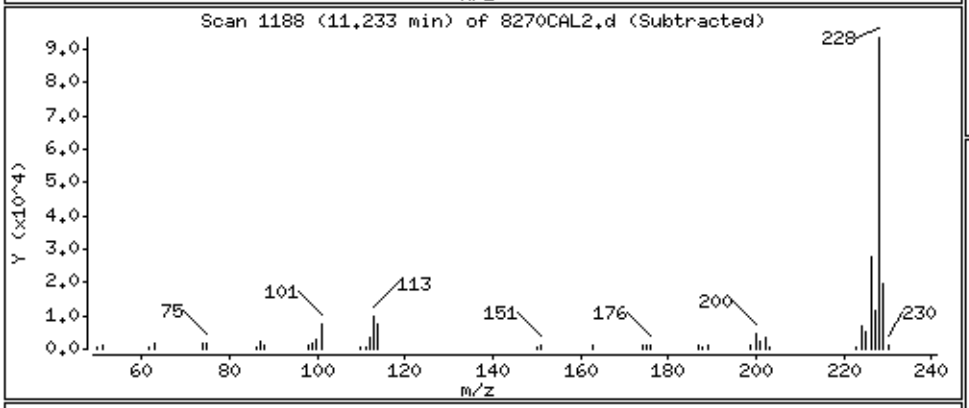
Column phase: HPMS-5

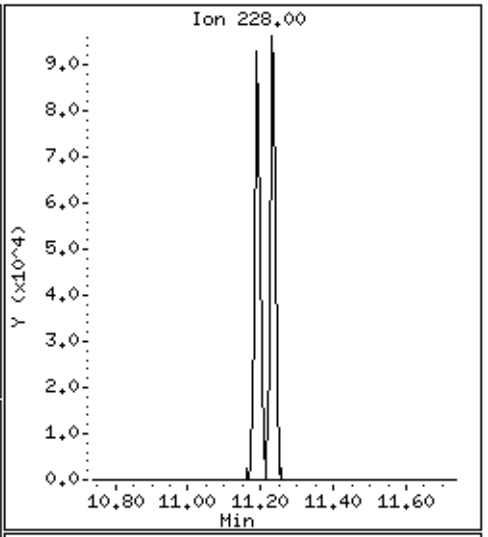
Column diameter: 0.25

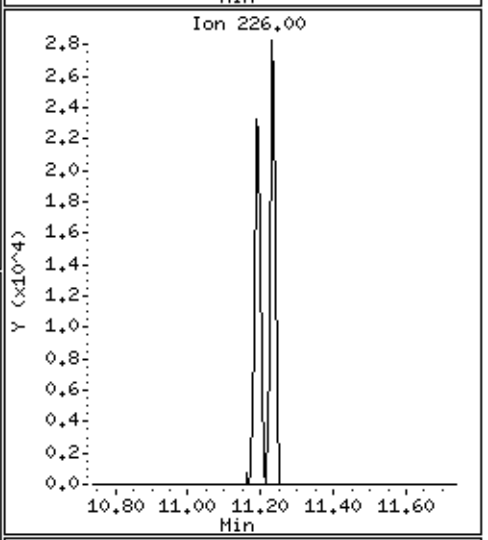
123 Chrysene

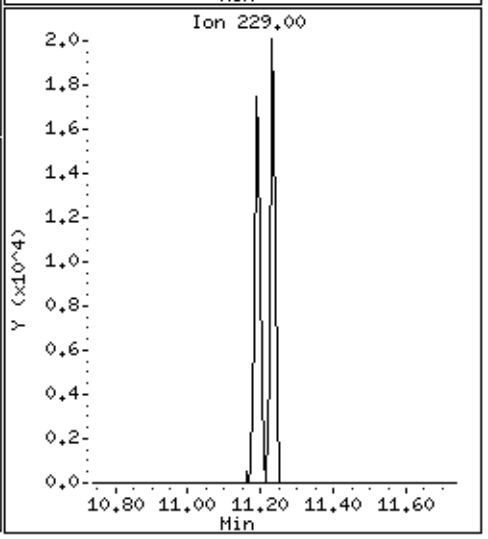
Concentration: 9.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

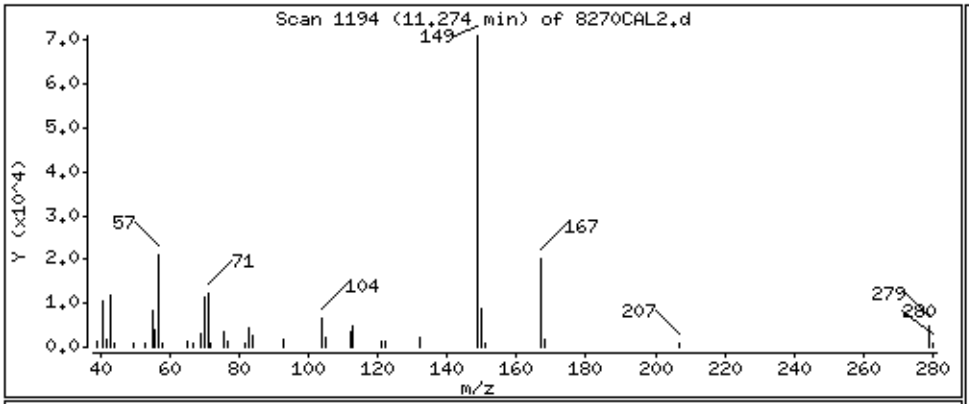
Operator: MJ

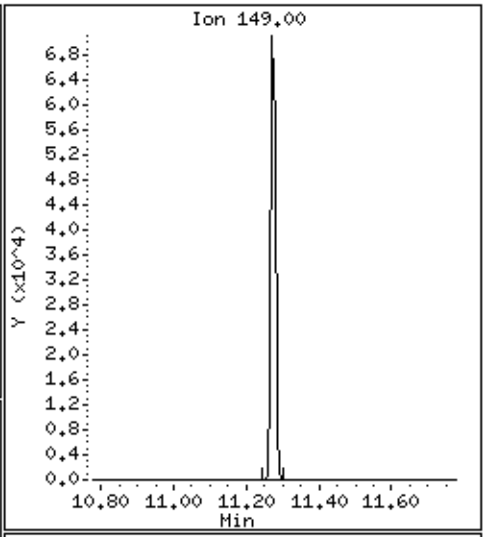
Column phase: HPMS-5

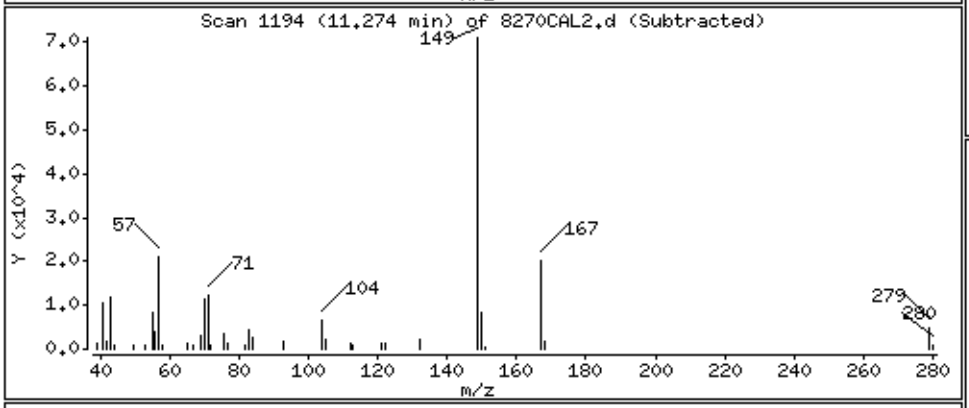
Column diameter: 0.25

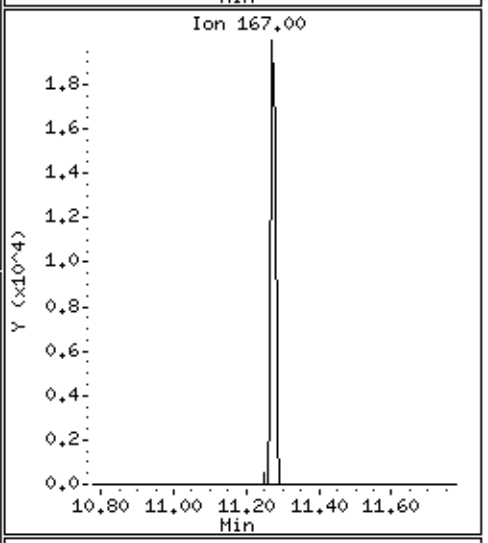
124 Bis-2-Ethylhexylphthalate

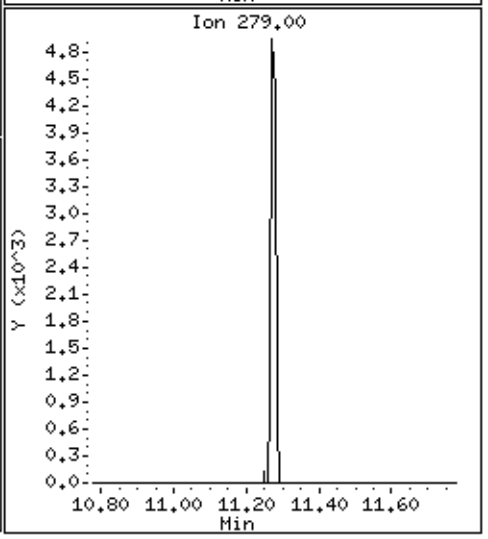
Concentration: 8.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

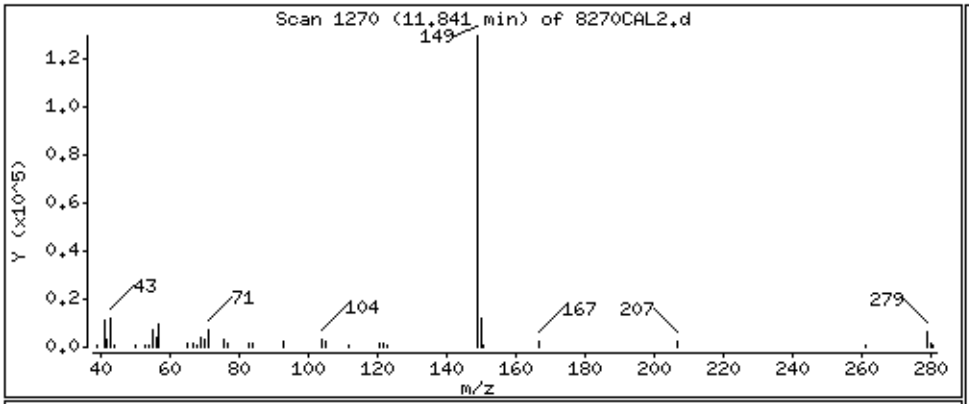
Operator: MJ

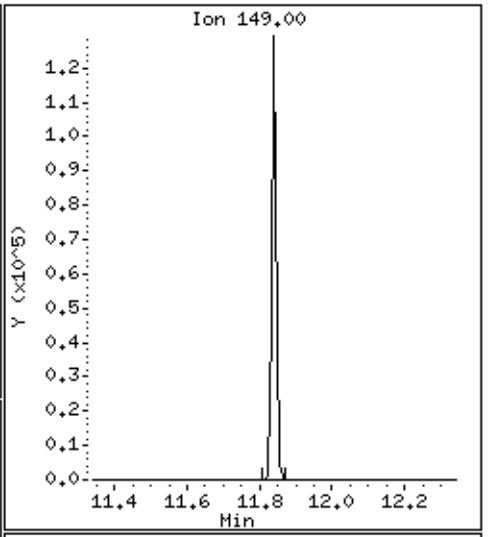
Column phase: HPMS-5

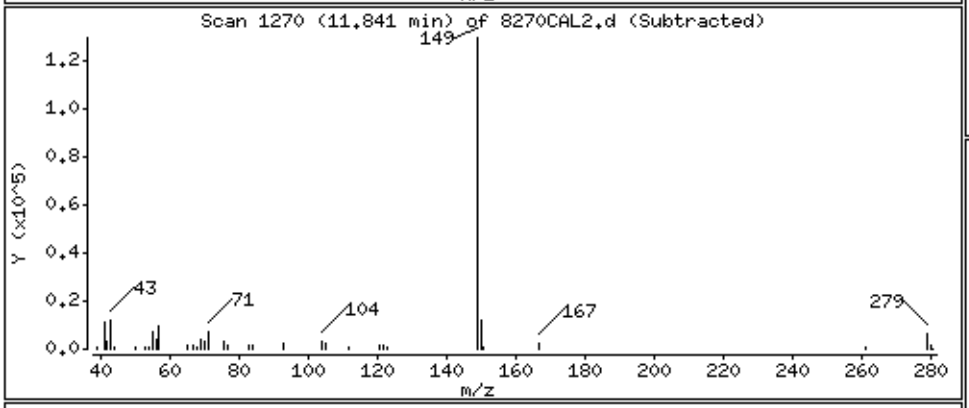
Column diameter: 0.25

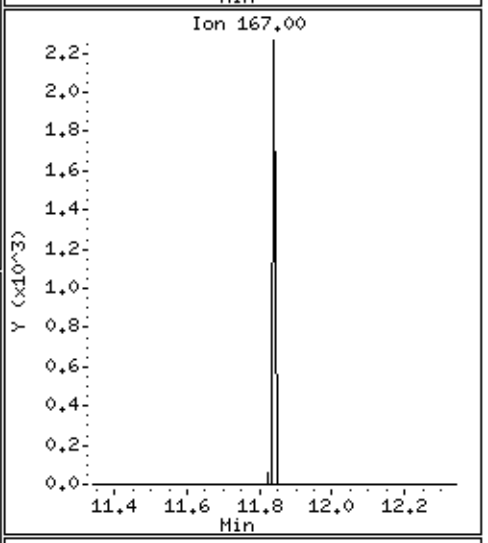
125 Di-n-octylphthalate

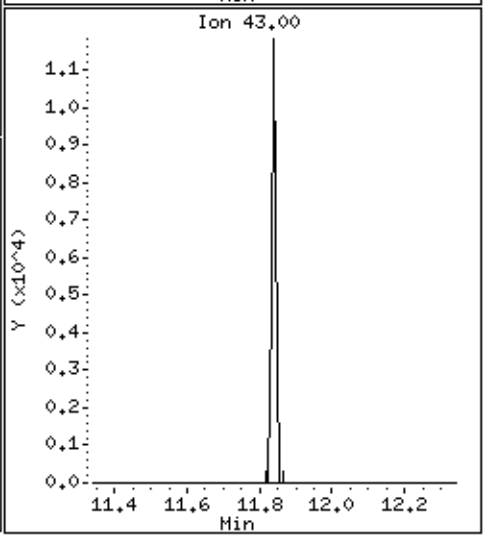
Concentration: 14.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

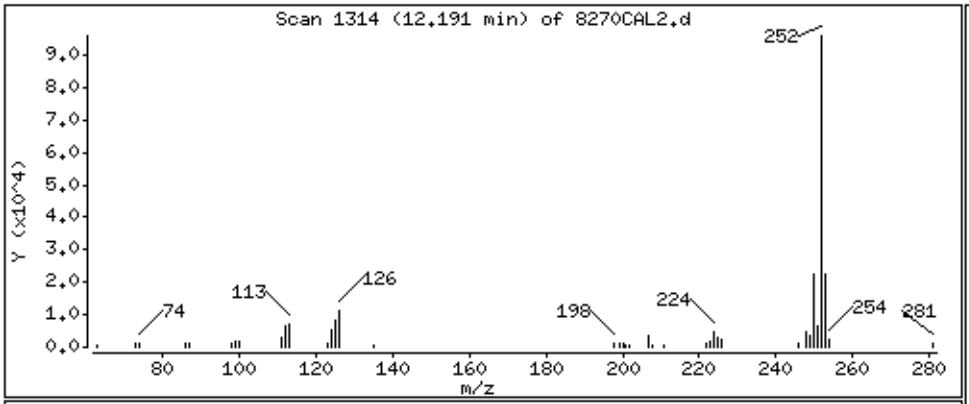
Operator: MJ

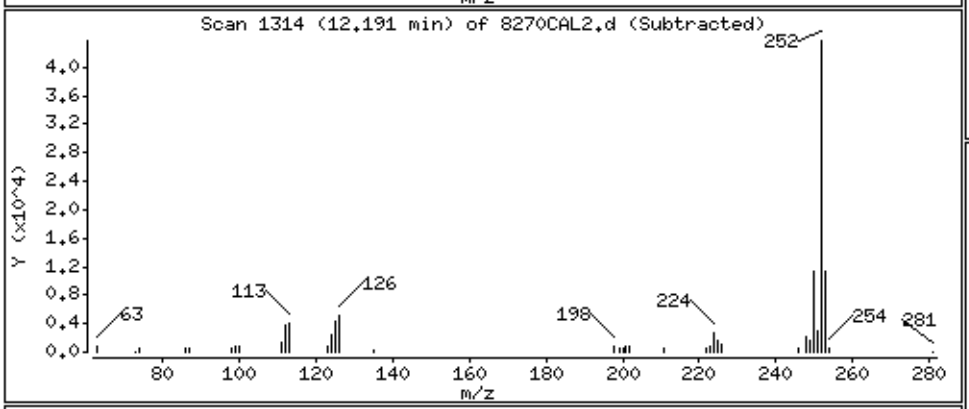
Column phase: HPMS-5

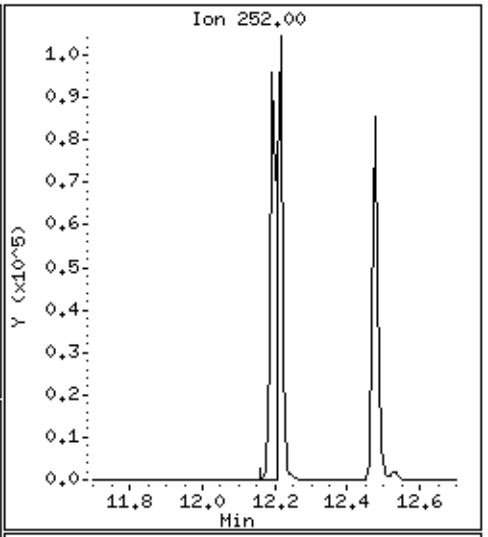
Column diameter: 0.25

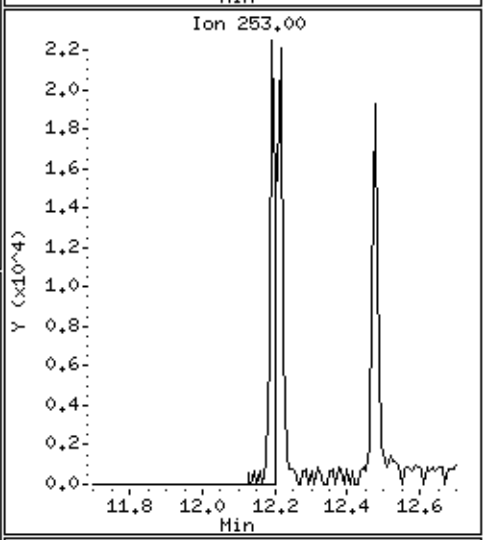
127 Benzo[b]fluoranthene

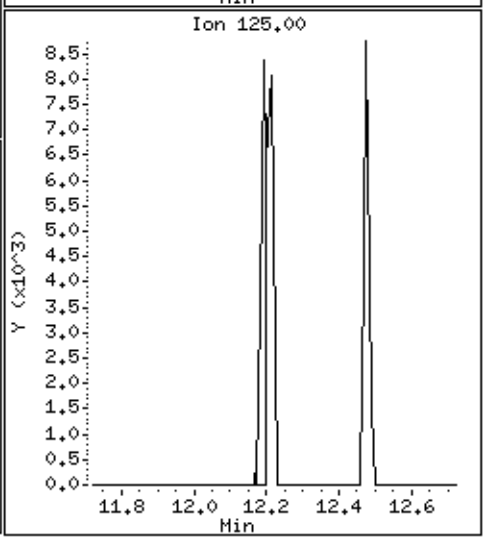
Concentration: 12.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

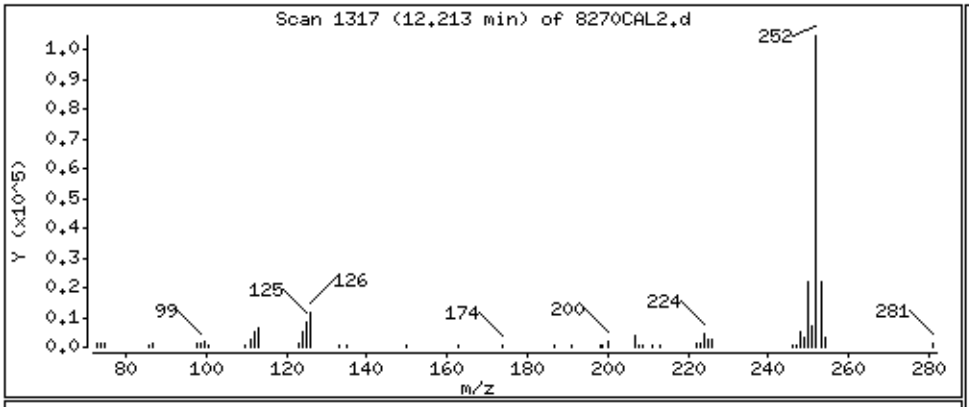
Operator: MJ

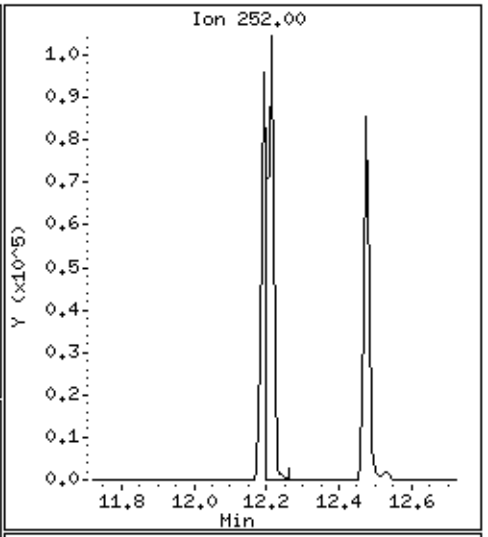
Column phase: HPMS-5

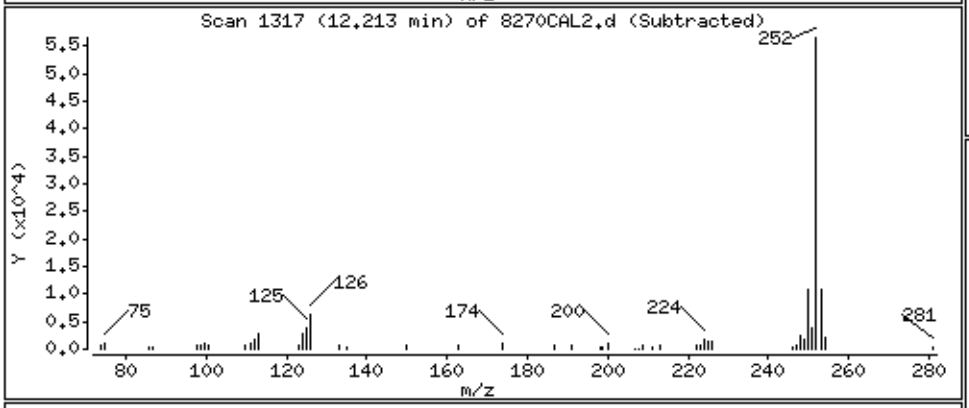
Column diameter: 0.25

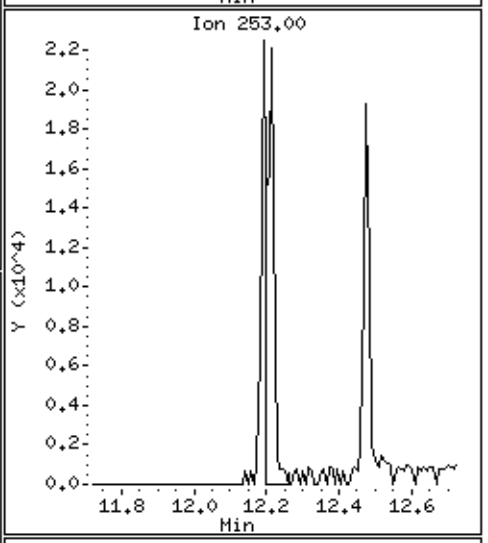
128 Benzo[k]fluoranthene

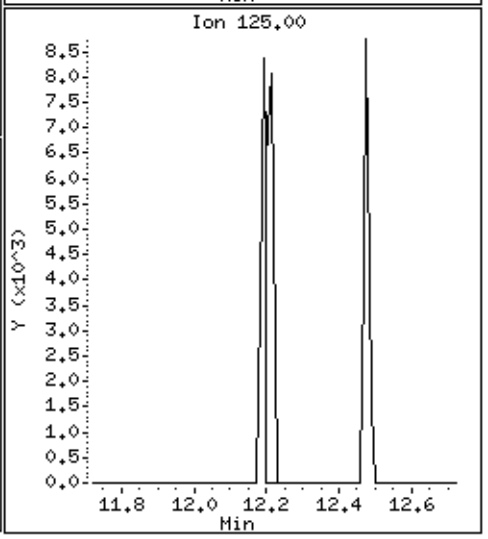
Concentration: 12.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

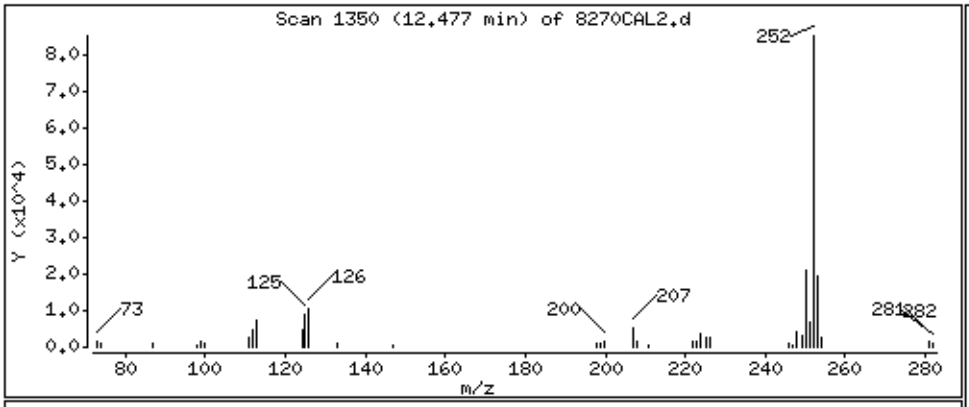
Operator: MJ

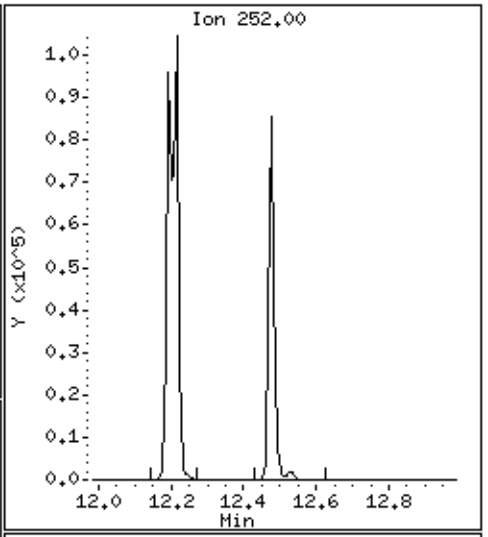
Column phase: HPMS-5

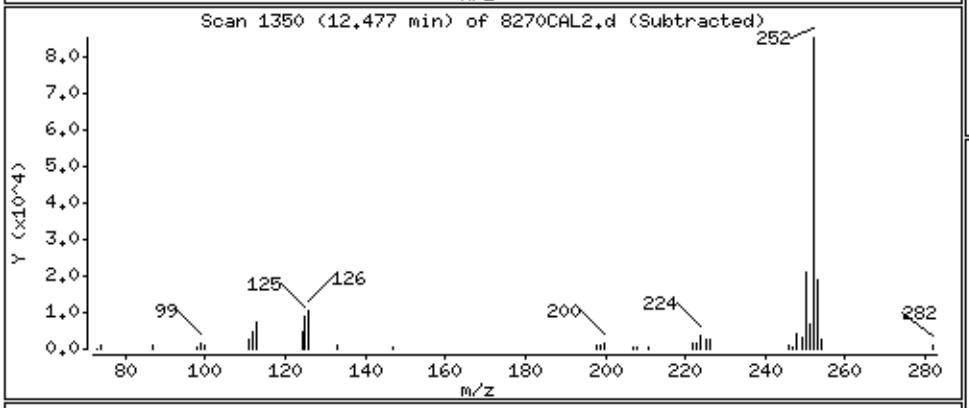
Column diameter: 0.25

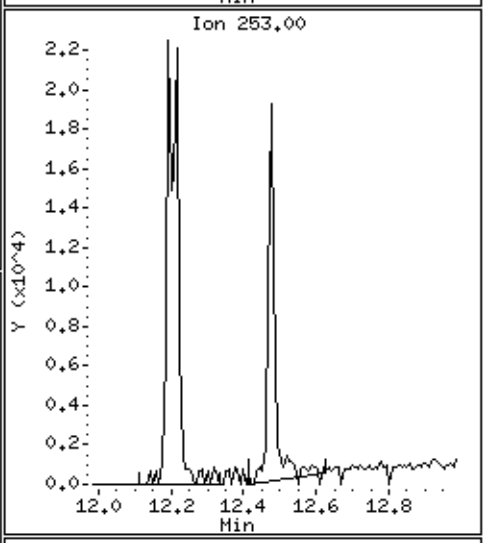
129 Benzo[a]pyrene

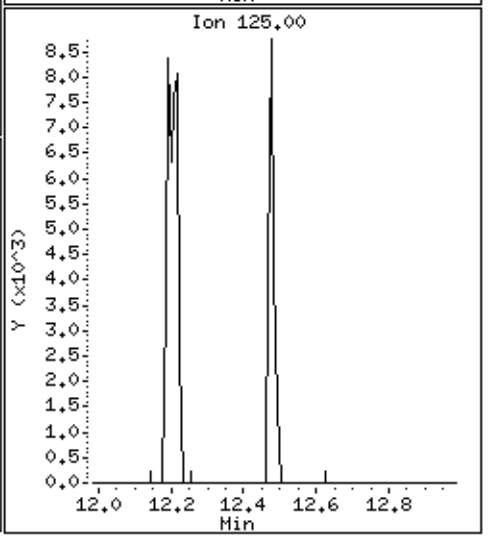
Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

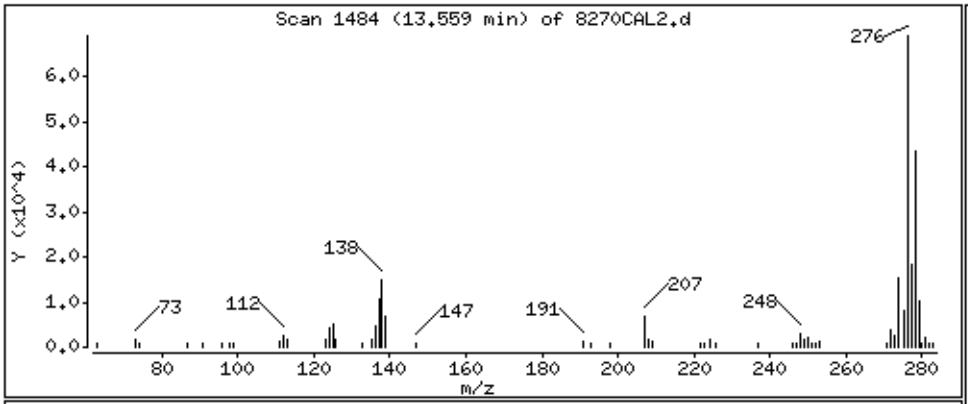
Operator: MJ

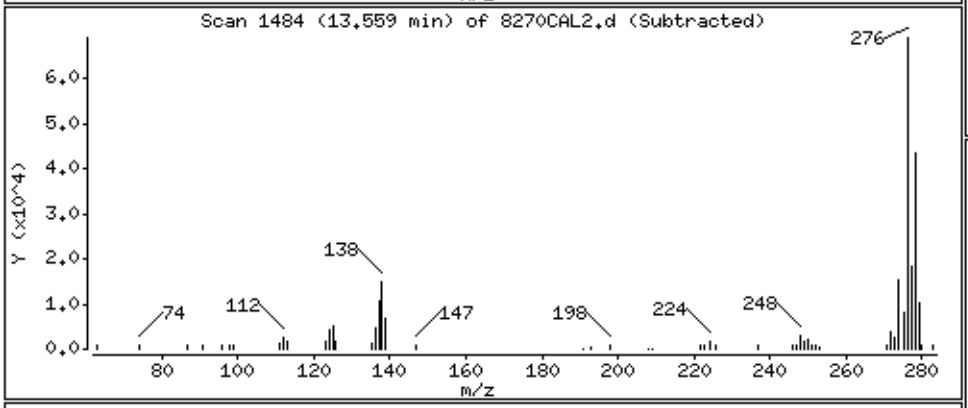
Column phase: HPMS-5

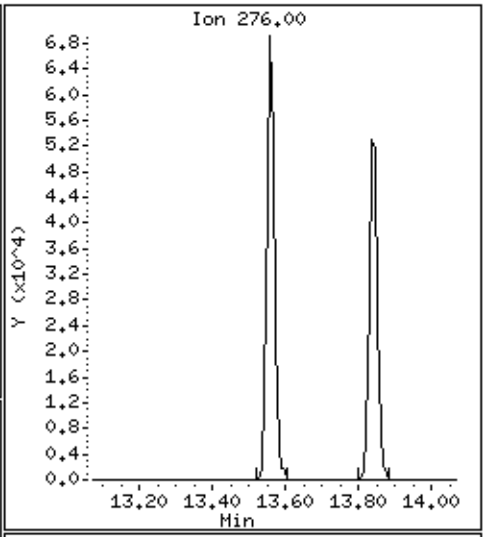
Column diameter: 0.25

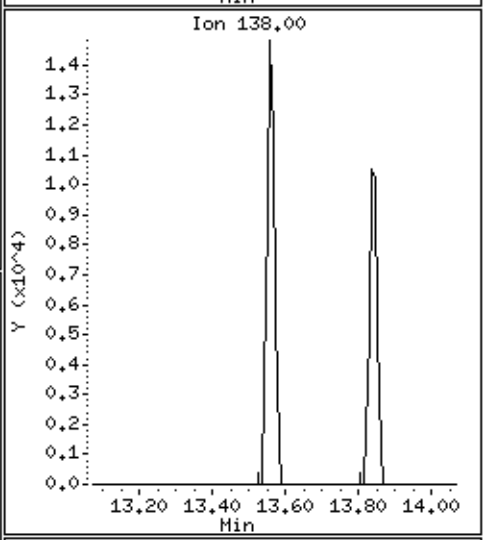
133 Indeno[1,2,3-cd]pyrene

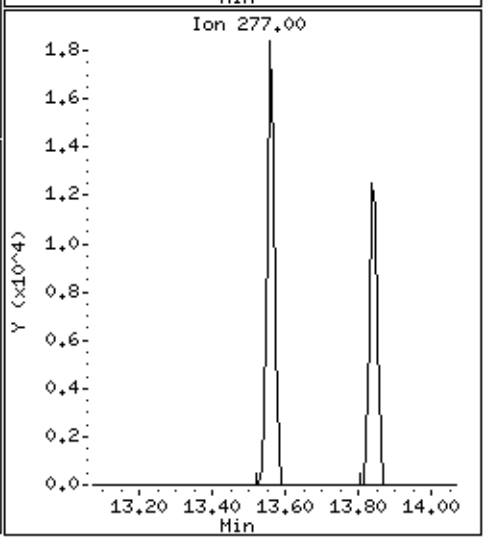
Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

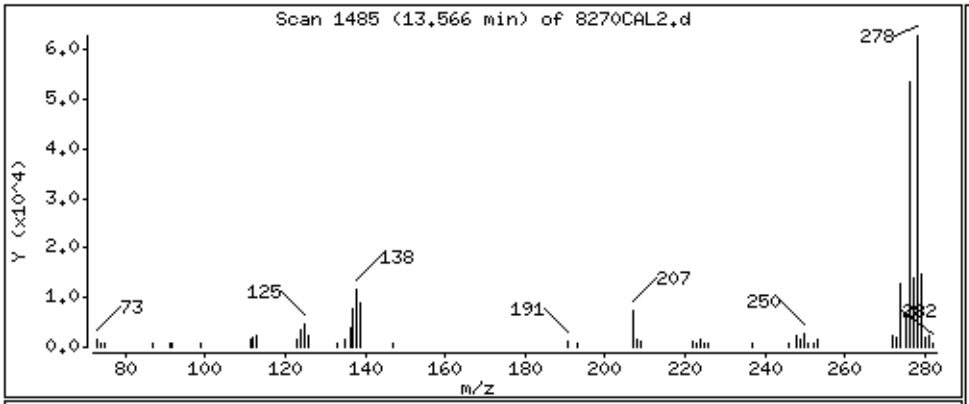
Operator: MJ

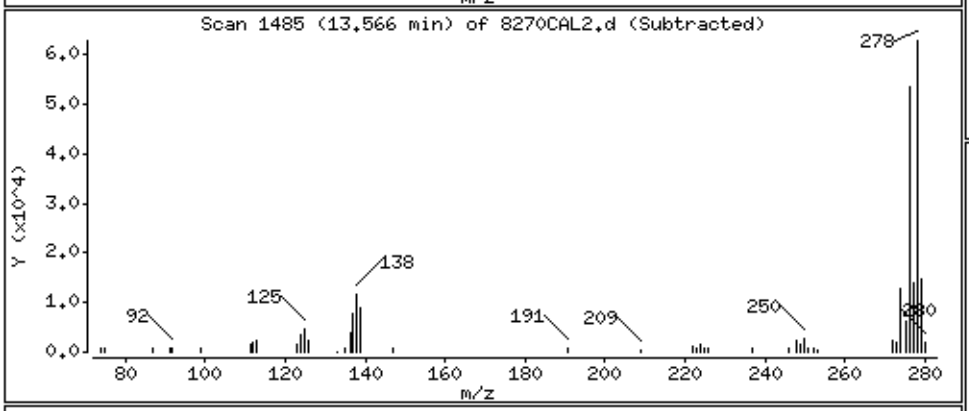
Column phase: HPMS-5

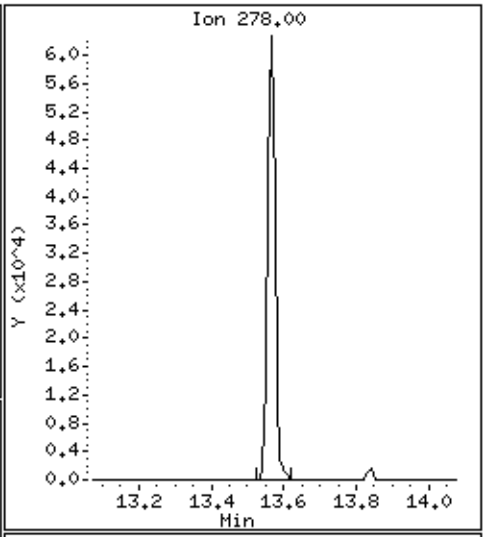
Column diameter: 0.25

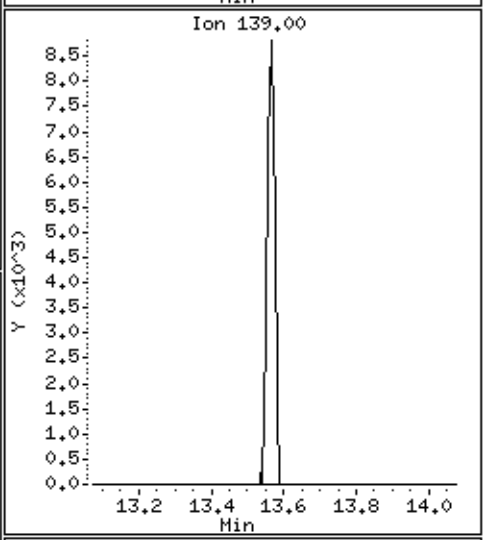
134 Dibenz[a,h]anthracene

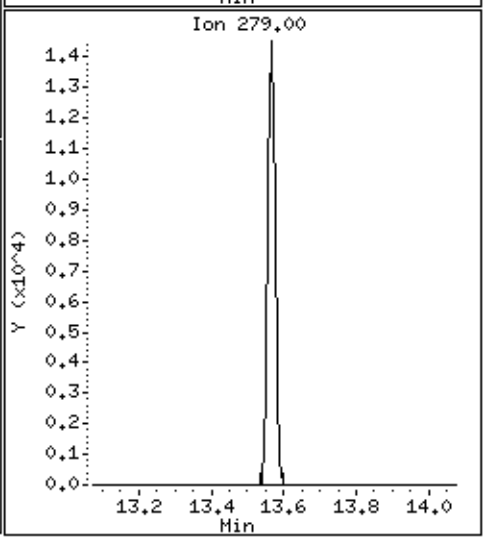
Concentration: 9.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL2.d

Date : 15-NOV-2012 00:25

Client ID: 8270CAL2

Instrument: smsd04.i

Sample Info: 47768

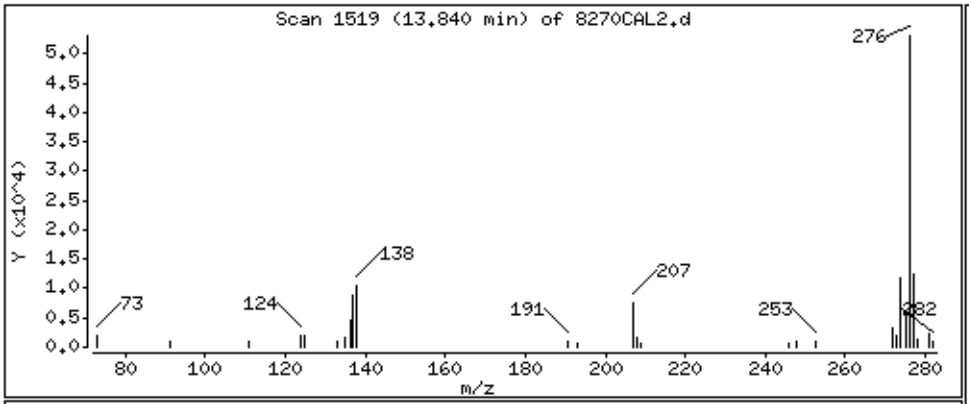
Operator: MJ

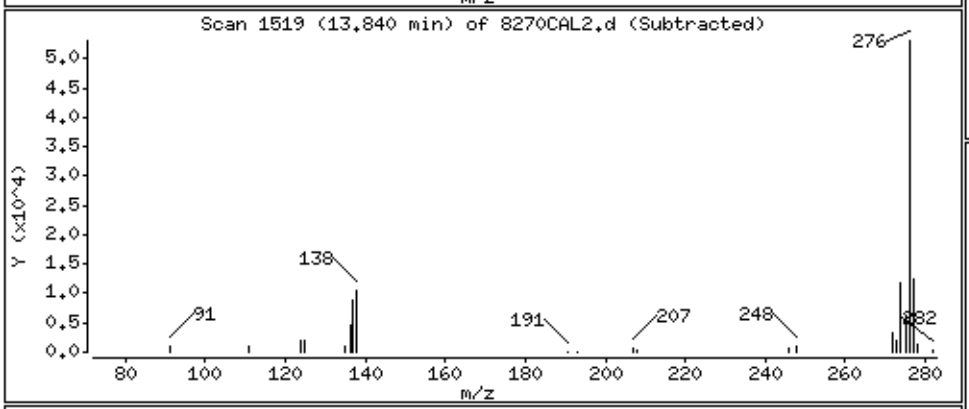
Column phase: HPMS-5

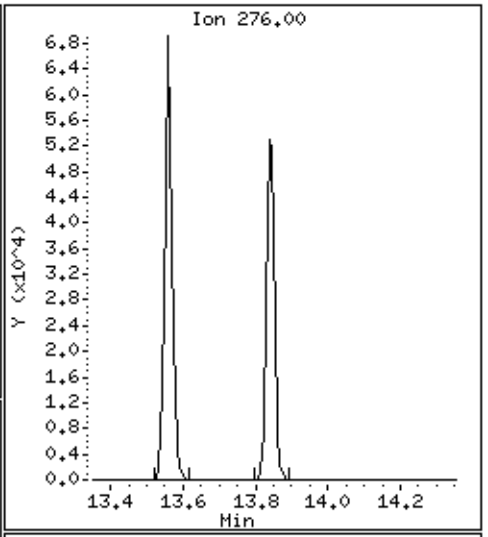
Column diameter: 0.25

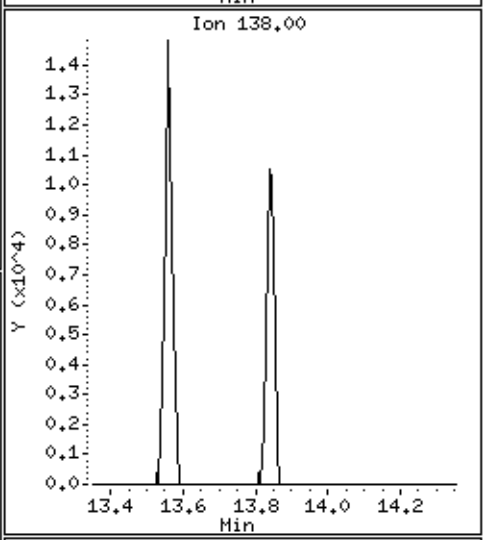
135 Benzo[g,h,i]perylene

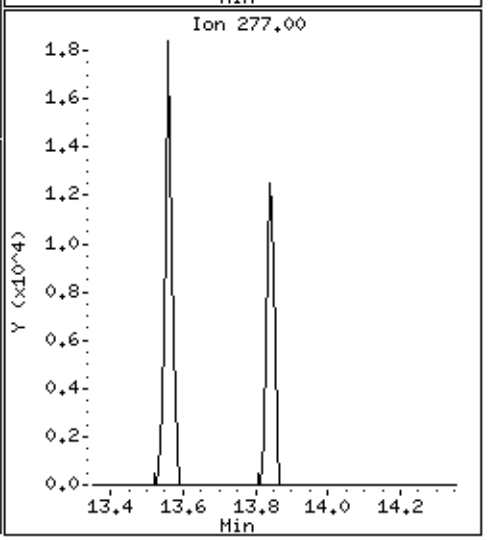
Concentration: 9.9 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d
Lab Smp Id: 47769 Client Smp ID: 8270CAL1
Inj Date : 15-NOV-2012 00:46 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47769
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 15:22 Cal File: AP9CAL1.d
Als bottle: 27 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
2 Pyridine						CAS #: 110-86-1		
2.237	2.228	(0.521)	79	13680	4.00000	3.8	80.00- 120.00	100.00
2.236	2.228	(0.521)	52	8517			35.30- 95.30	62.26
M 16 Cresols (Total)						CAS #: 1319-77-3		
				22932	8.00000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.220	2.220	(0.517)	42	6292	4.00000	3.9	80.00- 120.00	100.00(M)
2.220	2.220	(0.517)	74	7959			97.07- 157.07	126.49
2.221	2.221	(0.517)	44	0	0.00	0.00	0.00- 34.98	0.00
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.245	3.246	(0.756)	112	22602	8.00000	7.0	80.00- 120.00	100.00
3.245	3.246	(0.756)	64	13779			32.62- 92.62	60.96
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
3.999	4.006	(0.931)	99	29322	8.00000	7.2	80.00- 120.00	100.00
3.999	4.006	(0.931)	42	5822			0.00- 49.74	19.86
3.999	4.006	(0.931)	71	12181			12.66- 72.66	41.54

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol						CAS #: 108-95-2		
4.009	4.016 (0.933)		94	15316	4.00000	3.3	80.00- 120.00	100.00
4.009	4.016 (0.933)		65	4980			0.94- 60.94	32.52
4.007	4.015 (0.933)		66	8717			21.40- 81.40	56.91
10 Aniline						CAS #: 62-53-3		
4.042	4.046 (0.941)		93	18019	4.00000	4.0	80.00- 120.00	100.00
4.042	4.046 (0.941)		65	4058			0.00- 50.97	22.52
4.042	4.046 (0.941)		66	7863			12.95- 72.95	43.64
14 Bis(2-Chloroethyl)ether						CAS #: 111-44-4		
4.088	4.094 (0.952)		93	11315	4.00000	3.5	80.00- 120.00	100.00
4.088	4.093 (0.952)		63	8651			43.04- 103.04	76.46
4.088	4.094 (0.952)		95	3981			1.90- 61.90	35.18
15 2-Chlorophenol						CAS #: 95-57-8		
4.139	4.142 (0.964)		128	11472	4.00000	3.7	80.00- 120.00	100.00
4.138	4.142 (0.963)		64	5906			24.14- 84.14	51.48
4.139	4.142 (0.964)		130	3224			2.15- 62.15	28.10
17 1,3-Dichlorobenzene						CAS #: 541-73-1		
4.265	4.267 (0.993)		146	13829	4.00000	3.7	80.00- 120.00	100.00
4.265	4.267 (0.993)		148	9063			34.15- 94.15	65.54
4.265	4.267 (0.993)		111	6562			14.34- 74.34	47.45
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.295	4.294 (1.000)		152	99318	40.0000		80.00- 120.00	100.00
4.295	4.294 (1.000)		115	62031			34.81- 94.81	62.46
4.295	4.294 (1.000)		150	154767			126.51- 186.51	155.83
19 1,4-Dichlorobenzene						CAS #: 106-46-7		
4.310	4.311 (1.003)		146	14030	4.00000	3.6	80.00- 120.00	100.00
4.310	4.311 (1.003)		148	8615			36.10- 96.10	61.40
4.309	4.311 (1.003)		111	7466			14.95- 74.95	53.21
21 Benzyl alcohol						CAS #: 100-51-6		
4.426	4.429 (1.030)		108	6886	4.00000	3.3	80.00- 120.00	100.00
4.426	4.429 (1.031)		79	10176			126.03- 186.03	147.78
4.426	4.429 (1.031)		77	6974			76.75- 136.75	101.28
20 1,2-Dichlorobenzene						CAS #: 95-50-1		
4.478	4.478 (1.043)		146	13487	4.00000	3.8	80.00- 120.00	100.00
4.478	4.478 (1.043)		148	8471			33.36- 93.36	62.81
4.477	4.478 (1.043)		111	6275			18.07- 78.07	46.53
22 2-Methylphenol						CAS #: 95-48-7		
4.534	4.538 (1.056)		107	9357	4.00000	3.7	80.00- 120.00	100.00
4.535	4.538 (1.056)		108	10131			83.56- 143.56	108.27
4.534	4.538 (1.056)		79	4928			27.79- 87.79	52.67
23 2,2'-oxybis(1-chloropropane)						CAS #: 108-60-1		
4.569	4.571 (1.064)		45	15458	4.00000	3.8	80.00- 120.00	100.00
4.569	4.571 (1.064)		77	2245			0.00- 47.34	14.52

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
23 2,2'-oxybis(1-chloropropane) (continued)								
4.569	4.571 (1.064)		121	3893			0.00- 56.71	25.18
28 4-Methylphenol						CAS #: 106-44-5		
4.661	4.668 (1.085)		107	13575	4.00000	3.6	80.00- 120.00	100.00
4.661	4.668 (1.085)		108	10361			51.88- 111.88	76.32
4.661	4.668 (1.085)		79	3650			0.00- 57.76	26.89
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.692	4.699 (1.092)		70	9382	4.00000	3.4	80.00- 120.00	100.00
4.691	4.699 (1.092)		42	4747			21.53- 81.53	50.60
4.692	4.699 (1.092)		130	1891			0.00- 51.40	20.16
30 Hexachloroethane						CAS #: 67-72-1		
4.753	4.753 (1.107)		117	5775	4.00000	3.5	80.00- 120.00	100.00
4.754	4.754 (1.107)		201	4999			63.39- 123.39	86.56
4.754	4.754 (1.107)		199	3538			26.40- 86.40	61.26
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.814	4.818 (0.881)		82	14885	4.00000	3.7	80.00- 120.00	100.00
4.815	4.818 (0.881)		128	5454			6.68- 66.68	36.64
4.814	4.818 (0.881)		54	7668			19.12- 79.12	51.51
32 Nitrobenzene						CAS #: 98-95-3		
4.830	4.834 (0.884)		77	15768	4.00000	3.9	80.00- 120.00	100.00
4.831	4.835 (0.884)		123	5881			6.73- 66.73	37.30
4.831	4.834 (0.884)		65	1674			0.00- 43.84	10.62
34 Isophorone						CAS #: 78-59-1		
5.041	5.046 (0.923)		82	23649	4.00000	3.4	80.00- 120.00	100.00
5.041	5.047 (0.923)		138	3778			0.00- 45.91	15.98
5.042	5.046 (0.923)		95	1352			0.00- 37.77	5.72
35 2-Nitrophenol						CAS #: 88-75-5		
5.127	5.128 (0.938)		139	5577	4.00000	3.4	80.00- 120.00	100.00
5.125	5.127 (0.938)		65	3638			33.65- 93.65	65.23
5.125	5.127 (0.938)		109	1927			13.08- 73.08	34.55
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.153	5.158 (0.943)		122	7976	4.00000	3.3	80.00- 120.00	100.00
5.153	5.158 (0.943)		107	12211			100.42- 160.42	153.10
5.153	5.158 (0.943)		121	4979			27.73- 87.73	62.42
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.248	5.252 (0.961)		93	14922	4.00000	3.8	80.00- 120.00	100.00
5.248	5.252 (0.961)		95	4733			2.66- 62.66	31.72
5.248	5.252 (0.961)		123	1912			0.00- 43.79	12.81
40 Benzoic Acid						CAS #: 65-85-0		
5.206	5.267 (0.953)		122	3530	4.00000	6.8	80.00- 120.00	100.00
5.207	5.267 (0.953)		105	4591			114.27- 174.27	130.06
5.207	5.267 (0.953)		77	4084			94.81- 154.81	115.69

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol					CAS #: 120-83-2		
5.339	5.342	(0.977)	162	10039	4.00000	3.6	80.00- 120.00	100.00
5.338	5.342	(0.977)	164	6477			34.34- 94.34	64.52
5.338	5.342	(0.977)	98	3536			8.30- 68.30	35.22
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.424	5.427	(0.993)	180	11344	4.00000	3.6	80.00- 120.00	100.00
5.424	5.427	(0.993)	182	12280			69.17- 129.17	108.25
5.423	5.427	(0.993)	145	3965			0.41- 60.41	34.95
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.463	5.463	(1.000)	136	319508	40.0000		80.00- 120.00	100.00
5.463	5.463	(1.000)	68	24212			0.00- 37.51	7.58
	44 Naphthalene					CAS #: 91-20-3		
5.482	5.486	(1.003)	128	32589	4.00000	3.8	80.00- 120.00	100.00
5.483	5.485	(1.004)	129	3322			0.00- 40.78	10.19
5.483	5.486	(1.004)	127	3966			0.00- 42.17	12.17
	45 4-Chloroaniline					CAS #: 106-47-8		
5.550	5.552	(1.016)	127	12663	4.00000	3.6	80.00- 120.00	100.00
5.550	5.552	(1.016)	129	4307			2.29- 62.29	34.01
5.549	5.551	(1.016)	65	4885			8.57- 68.57	38.58
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.653	5.654	(1.035)	225	8524	4.00000	3.8	80.00- 120.00	100.00
5.653	5.654	(1.035)	223	5119			31.81- 91.81	60.05
5.653	5.654	(1.035)	227	5356			34.78- 94.78	62.83
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.007	6.009	(1.099)	107	10951	4.00000	3.6	80.00- 120.00	100.00
6.005	6.009	(1.099)	144	2082			0.00- 53.54	19.01
6.006	6.009	(1.099)	142	7829			43.91- 103.91	71.49
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.138	6.141	(1.124)	142	20859	4.00000	3.6	80.00- 120.00	100.00
6.138	6.141	(1.124)	141	18197			55.50- 115.50	87.24
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.243	6.247	(1.143)	142	19949	4.00000	3.8	80.00- 120.00	100.00
6.244	6.247	(1.143)	141	17675			58.78- 118.78	88.60
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.360	6.360	(0.887)	237	4325	4.00000	7.4	80.00- 120.00	100.00(M)
6.360	6.360	(0.887)	235	2657			33.42- 93.42	61.43
6.360	6.360	(0.887)	272	0	0.00	0.00	0.00- 41.88	0.00
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.435	6.438	(0.898)	196	7699	4.00000	3.6	80.00- 120.00	100.00
6.435	6.438	(0.898)	198	7439			67.54- 127.54	96.62
6.435	6.438	(0.898)	200	2020			1.18- 61.18	26.24
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.471	6.472	(0.903)	196	8297	4.00000	3.6	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
58 2,4,5-Trichlorophenol (continued)								
6.471	6.472	(0.903)	198	7549			64.33- 124.33	90.98
6.470	6.472	(0.903)	97	4542			27.55- 87.55	54.74
$ 59 2-Fluorobiphenyl (SURR)						CAS #: 321-60-8		
6.511	6.514	(0.908)	172	27317	4.00000	3.8	80.00- 120.00	100.00
6.511	6.514	(0.909)	171	8969			4.90- 64.90	32.83
62 2-Chloronaphthalene						CAS #: 91-58-7		
6.607	6.610	(0.922)	162	22542	4.00000	3.8	80.00- 120.00	100.00
6.607	6.610	(0.922)	164	6848			1.75- 61.75	30.38
6.606	6.610	(0.922)	127	8475			8.71- 68.71	37.60
63 2-Nitroaniline						CAS #: 88-74-4		
6.735	6.741	(0.940)	65	6946	4.00000	3.3	80.00- 120.00	100.00
6.736	6.741	(0.940)	92	4806			35.13- 95.13	69.19
6.736	6.741	(0.940)	138	6504			59.53- 119.53	93.64
65 Dimethylphthalate						CAS #: 131-11-3		
6.943	6.950	(0.969)	163	26507	4.00000	3.8	80.00- 120.00	100.00
6.943	6.950	(0.969)	194	1297			0.00- 35.76	4.89
6.943	6.949	(0.969)	164	2561			0.00- 39.66	9.66
68 Acenaphthylene						CAS #: 208-96-8		
7.017	7.020	(0.979)	152	34578	4.00000	3.7	80.00- 120.00	100.00
7.017	7.020	(0.979)	151	6878			0.00- 50.20	19.89
7.017	7.020	(0.979)	153	4237			0.00- 43.02	12.25
67 2,6-Dinitrotoluene						CAS #: 606-20-2		
7.009	7.015	(0.978)	165	4950	4.00000	3.0	80.00- 120.00	100.00
7.008	7.015	(0.978)	89	3720			39.45- 99.45	75.15
7.011	7.016	(0.978)	63	5908			74.66- 134.66	119.35
69 3-Nitroaniline						CAS #: 99-09-2		
7.138	7.146	(0.996)	138	5063	4.00000	3.3	80.00- 120.00	100.00
7.136	7.146	(0.996)	108	340			0.00- 42.35	6.72
7.139	7.145	(0.996)	92	7015			104.62- 164.62	138.55
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.167	7.167	(1.000)	164	200153	40.0000		80.00- 120.00	100.00
7.167	7.168	(1.000)	162	190719			66.12- 126.12	95.29
7.167	7.167	(1.000)	160	84590			13.21- 73.21	42.26
71 Acenaphthene						CAS #: 83-32-9		
7.197	7.201	(1.004)	154	20203	4.00000	3.8	80.00- 120.00	100.00
7.197	7.200	(1.004)	153	22765			77.18- 137.18	112.68
7.197	7.200	(1.004)	152	10059			21.21- 81.21	49.79
72 2,4-Dinitrophenol						CAS #: 51-28-5		
7.240	7.243	(1.010)	184	823	4.00000	8.2	80.00- 120.00	100.00
7.240	7.242	(1.010)	63	658			48.18- 108.18	79.95
7.235	7.242	(1.010)	154	354			33.05- 93.05	43.01

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol						CAS #: 100-02-7		
7.298	7.303	(1.018)	109	3502	4.00000	2.6	80.00- 120.00	100.00
7.298	7.303	(1.018)	139	3866			61.80- 121.80	110.39
7.297	7.303	(1.018)	65	4996			80.41- 140.41	142.66
75 Dibenzofuran						CAS #: 132-64-9		
7.350	7.355	(1.025)	168	30876	4.00000	3.7	80.00- 120.00	100.00
7.350	7.355	(1.025)	139	13374			10.69- 70.69	43.32
76 2,4-Dinitrotoluene						CAS #: 121-14-2		
7.386	7.392	(1.031)	165	6882	4.00000	3.3	80.00- 120.00	100.00
7.386	7.392	(1.030)	63	3901			23.55- 83.55	56.68
7.386	7.392	(1.031)	89	5653			51.82- 111.82	82.14
80 Diethylphthalate						CAS #: 84-66-2		
7.631	7.640	(1.065)	149	26285	4.00000	3.8	80.00- 120.00	100.00
7.631	7.640	(1.065)	177	5440			0.00- 51.79	20.70
7.631	7.640	(1.065)	150	3310			0.00- 42.28	12.59
81 Fluorene						CAS #: 86-73-7		
7.687	7.690	(1.072)	166	26040	4.00000	3.6	80.00- 120.00	100.00
7.687	7.690	(1.072)	165	24366			61.04- 121.04	93.57
7.687	7.690	(1.072)	167	3659			0.00- 43.06	14.05
82 4-Chlorophenyl-phenylether						CAS #: 7005-72-3		
7.688	7.690	(1.073)	204	13687	4.00000	3.6	80.00- 120.00	100.00
7.688	7.690	(1.073)	206	4469			2.85- 62.85	32.65
7.688	7.690	(1.073)	141	9258			29.43- 89.43	67.64
84 4-Nitroaniline						CAS #: 100-01-6		
7.735	7.750	(1.079)	138	5170	4.00000	3.8	80.00- 120.00	100.00
7.735	7.749	(1.079)	92	2626			30.30- 90.30	50.79
7.735	7.749	(1.079)	108	6175			85.44- 145.44	119.44
85 4,6-Dinitro-2-methylphenol						CAS #: 534-52-1		
7.780	7.790	(0.900)	198	2498	4.00000	1.8	80.00- 120.00	100.00
7.780	7.789	(0.900)	51	1498			21.07- 81.07	59.97
7.779	7.789	(0.900)	105	1056			14.43- 74.43	42.27
86 N-Nitrosodiphenylamine						CAS #: 86-30-6		
7.807	7.814	(0.903)	169	17338	4.00000	3.8	80.00- 120.00	100.00
7.807	7.815	(0.903)	168	11360			41.33- 101.33	65.52
7.807	7.815	(0.903)	167	6118			5.93- 65.93	35.29
87 1,2-Diphenylhydrazine						CAS #: 122-66-7		
7.839	7.845	(1.094)	77	29992	4.00000	3.8	80.00- 120.00	100.00
7.840	7.845	(1.094)	105	4318			0.00- 44.08	14.40
7.840	7.845	(1.094)	182	6708			0.00- 53.69	22.37
$ 88 2,4,6-Tribromophenol (SURR)						CAS #: 118-79-6		
7.940	7.946	(1.108)	330	8515	8.00000	6.7	80.00- 120.00	100.00
7.940	7.946	(1.108)	332	8246			65.21- 125.21	96.84
7.939	7.945	(1.108)	141	3181			10.78- 70.78	37.36

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		
8.161	8.163	(0.944)	248	7934	4.00000	3.6	80.00- 120.00	100.00
8.161	8.163	(0.944)	250	7732			66.63- 126.63	97.45
8.161	8.162	(0.944)	141	6724			49.24- 109.24	84.75
	94 Hexachlorobenzene					CAS #: 118-74-1		
8.304	8.307	(0.960)	284	9342	4.00000	3.7	80.00- 120.00	100.00
8.304	8.307	(0.960)	142	3602			10.52- 70.52	38.56
8.304	8.307	(0.960)	249	2601			1.60- 61.60	27.84
	96 Pentachlorophenol					CAS #: 87-86-5		
8.477	8.480	(0.980)	266	3603	4.00000	7.6	80.00- 120.00	100.00
8.478	8.481	(0.980)	264	1873			33.54- 93.54	51.98
8.478	8.481	(0.980)	268	1854			34.39- 94.39	51.46
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.601	8.604	(1.000)	188	354374	40.0000		80.00- 120.00	100.00(H)
8.600	8.604	(1.000)	94	37575			0.00- 40.39	10.60
8.600	8.603	(1.000)	80	40467			0.00- 41.55	11.42
	101 Phenanthrene					CAS #: 85-01-8		
8.621	8.626	(0.997)	178	37658	4.00000	3.8	80.00- 120.00	100.00(H)
8.620	8.626	(0.997)	179	5757			0.00- 45.20	15.29
8.621	8.626	(0.997)	176	7299			0.00- 48.69	19.38
	103 Anthracene					CAS #: 120-12-7		
8.664	8.670	(1.002)	178	33531	4.00000	3.8	80.00- 120.00	100.00
8.666	8.670	(1.002)	179	4600			0.00- 45.53	13.72
8.665	8.670	(1.002)	176	5977			0.00- 49.11	17.83
	104 Carbazole					CAS #: 86-74-8		
8.825	8.830	(1.021)	167	32000	4.00000	3.7	80.00- 120.00	100.00
8.825	8.830	(1.021)	139	4034			0.00- 43.72	12.61
8.824	8.830	(1.020)	83	2822			0.00- 39.70	8.82
	105 Di-n-butylphthalate					CAS #: 84-74-2		
9.224	9.227	(1.067)	149	39275	4.00000	3.3	80.00- 120.00	100.00
9.224	9.227	(1.067)	150	3740			0.00- 39.16	9.52
9.224	9.227	(1.067)	104	2429			0.00- 36.36	6.18
	109 Fluoranthene					CAS #: 206-44-0		
9.793	9.797	(1.132)	202	38728	4.00000	3.6	80.00- 120.00	100.00
9.793	9.796	(1.132)	101	4446			0.00- 41.60	11.48
9.793	9.797	(1.132)	203	6339			0.00- 47.37	16.37
	111 Pyrene					CAS #: 129-00-0		
10.013	10.016	(0.893)	202	40317	4.00000	3.8	80.00- 120.00	100.00
10.013	10.016	(0.893)	200	8446			0.00- 50.33	20.95
10.013	10.016	(0.893)	203	7462			0.00- 47.92	18.51
$	112 Terphenyl-d14 (SURR)					CAS #: 1718-51-0		
10.175	10.179	(0.908)	244	30902	4.00000	3.7	80.00- 120.00	100.00
10.175	10.178	(0.908)	122	3255			0.00- 40.67	10.53

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.175	10.179	(0.908)	212	2581			0.00- 37.92	8.35
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.690	10.690	(0.954)	149	16540	4.00000	3.2	80.00- 120.00	100.00
10.690	10.691	(0.954)	91	12764			45.72- 105.72	77.17
10.690	10.692	(0.954)	206	3604			0.00- 51.71	21.79
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.191	11.194	(0.998)	228	38662	4.00000	3.7	80.00- 120.00	100.00
11.191	11.194	(0.998)	229	7652			0.00- 49.13	19.79
11.191	11.194	(0.998)	226	10150			0.00- 57.06	26.25
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	397270	40.0000		80.00- 120.00	100.00
11.208	11.210	(1.000)	120	41334			0.00- 40.02	10.40
11.209	11.210	(1.000)	236	96278			0.00- 54.50	24.23
123 Chrysene						CAS #: 218-01-9		
11.231	11.238	(1.002)	228	39031	4.00000	3.8	80.00- 120.00	100.00
11.232	11.238	(1.002)	226	11239			0.00- 59.08	28.80
11.231	11.238	(1.002)	229	7473			0.00- 49.34	19.15
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.274	11.275	(1.006)	149	23301	4.00000	3.3	80.00- 120.00	100.00
11.275	11.276	(1.006)	167	7055			0.00- 59.84	30.28
11.275	11.276	(1.006)	279	1418			0.00- 37.67	6.09
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.840	11.842	(0.945)	149	36621	4.00000	7.6	80.00- 120.00	100.00
11.840	11.843	(0.945)	167	325			0.00- 31.49	0.89
11.839	11.842	(0.945)	43	3586			0.00- 38.92	9.79
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.190	12.198	(0.973)	252	36225	4.00000	3.3	80.00- 120.00	100.00(M)
12.190	12.198	(0.973)	253	9020			0.00- 52.25	24.90
12.190	12.219	(0.973)	125	2976			0.00- 48.56	8.22
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.214	12.220	(0.975)	252	50540	4.00000	4.2	80.00- 120.00	100.00(M)
12.214	12.220	(0.975)	253	12907			0.00- 52.11	25.54
12.214	12.219	(0.975)	125	4309			0.00- 46.79	8.53
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.476	12.484	(0.996)	252	35481	4.00000	3.6	80.00- 120.00	100.00(H)
12.476	12.484	(0.996)	253	10030			0.00- 51.58	28.27
12.475	12.484	(0.996)	125	3233			0.00- 39.66	9.11
* 130 Perylene-d12						CAS #: 1520-96-3		
12.531	12.532	(1.000)	264	376782	40.0000		80.00- 120.00	100.00
12.531	12.533	(1.000)	260	83297			0.00- 52.70	22.11
12.531	12.532	(1.000)	265	80232			0.00- 52.11	21.29

					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		
13.557	13.569	(1.082)	276	39521	4.00000	3.5	80.00- 120.00	100.00
13.559	13.570	(1.082)	138	8797			0.00- 53.00	22.26
13.557	13.570	(1.082)	277	10665			0.00- 55.19	26.99
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.565	13.574	(1.083)	278	31654	4.00000	3.3	80.00- 120.00	100.00
13.564	13.573	(1.082)	139	5673			0.00- 45.33	17.92
13.564	13.574	(1.082)	279	7652			0.00- 53.44	24.17
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.838	13.852	(1.104)	276	34446	4.00000	3.9	80.00- 120.00	100.00
13.837	13.852	(1.104)	138	6190			0.00- 48.86	17.97
13.838	13.852	(1.104)	277	7854			0.00- 53.33	22.80

QC Flag Legend

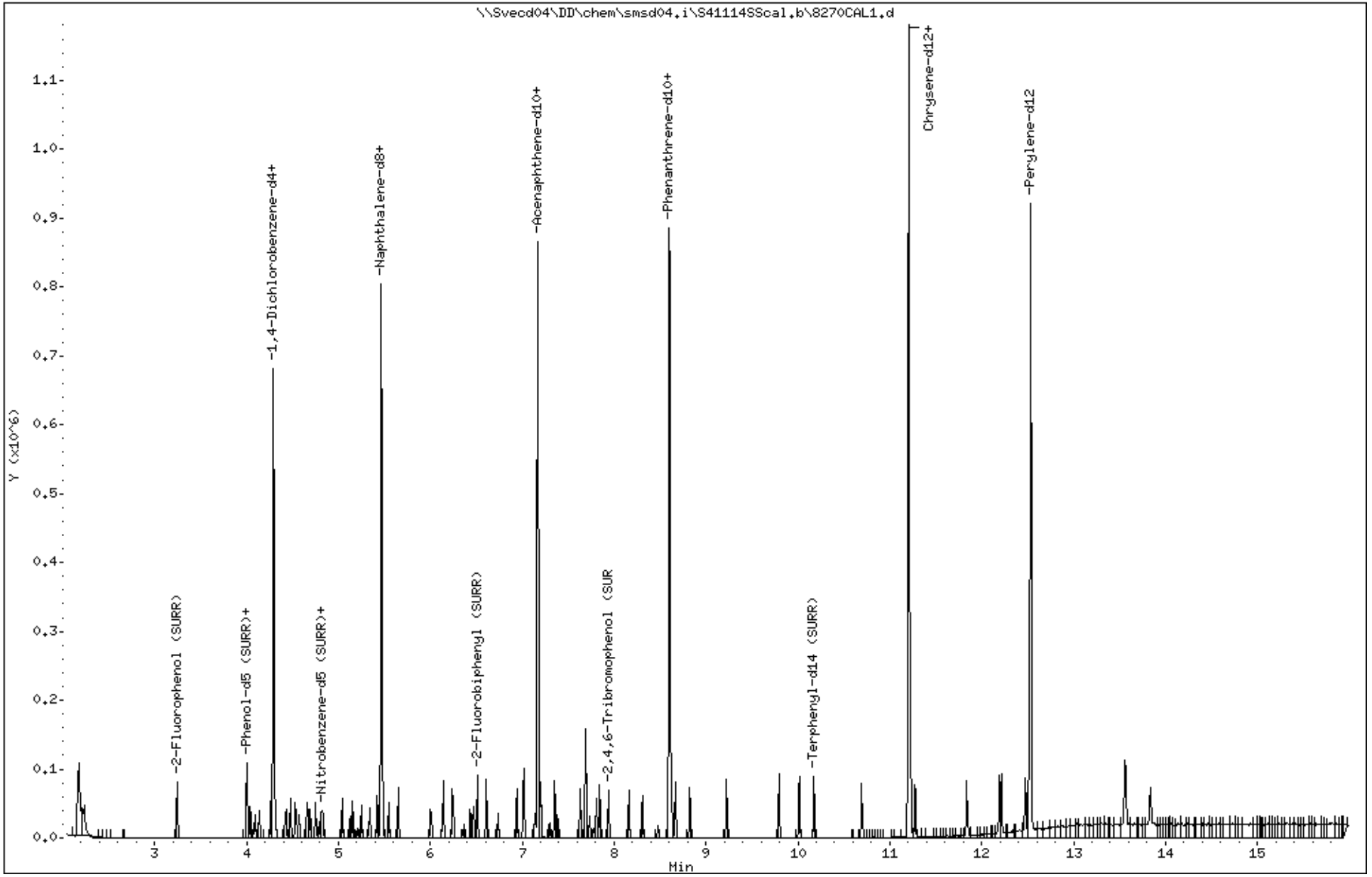
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d
Date : 15-NOV-2012 00:46
Client ID: 8270CAL1
Sample Info: 47769

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

855



3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

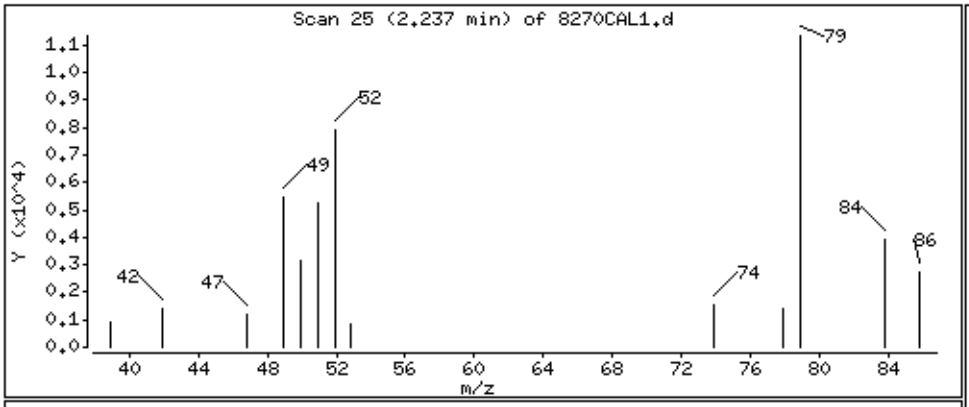
Operator: MJ

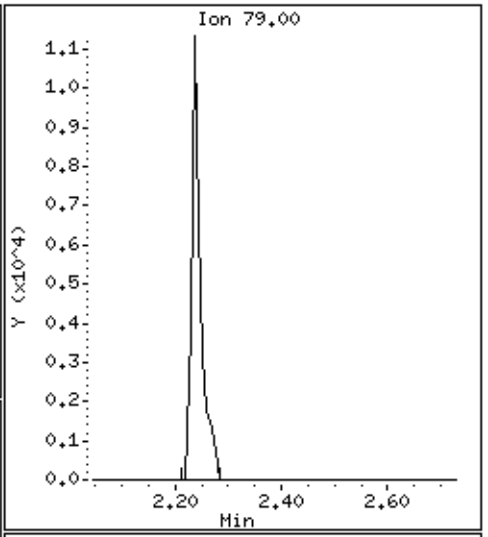
Column phase: HPMS-5

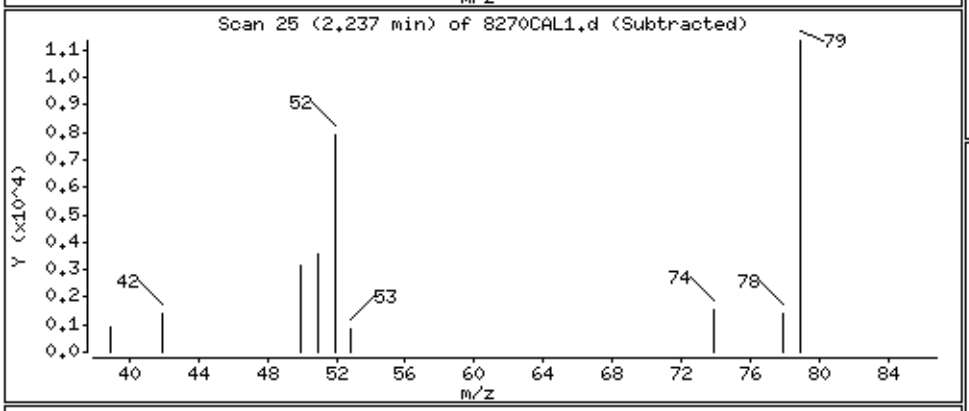
Column diameter: 0.25

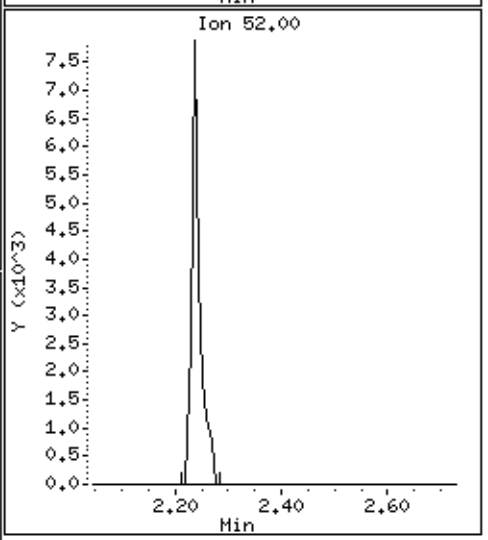
2 Pyridine

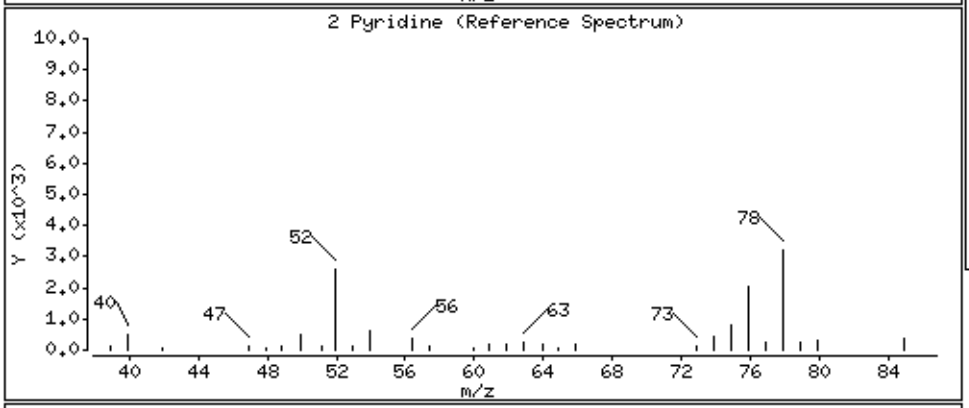
Concentration: 3.8 ug/kg

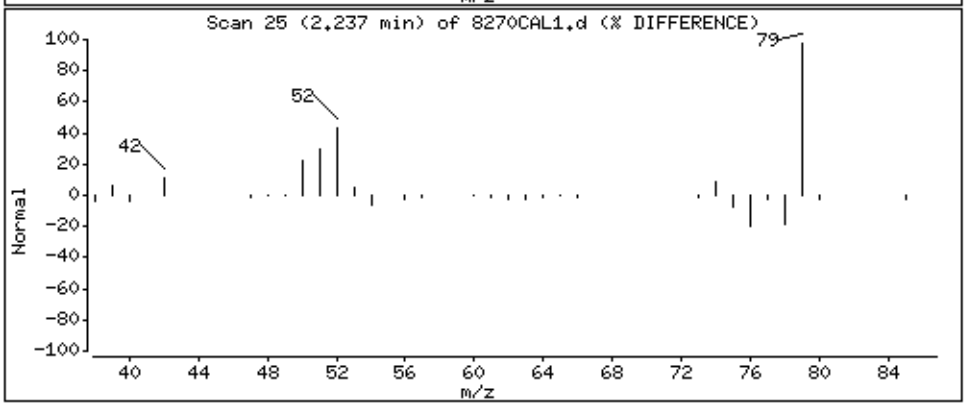












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

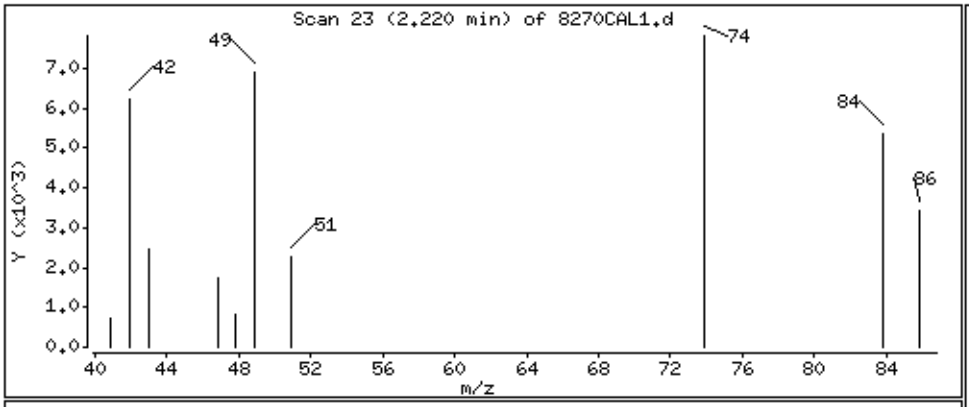
Client ID: 8270CAL1 Instrument: smsd04.i

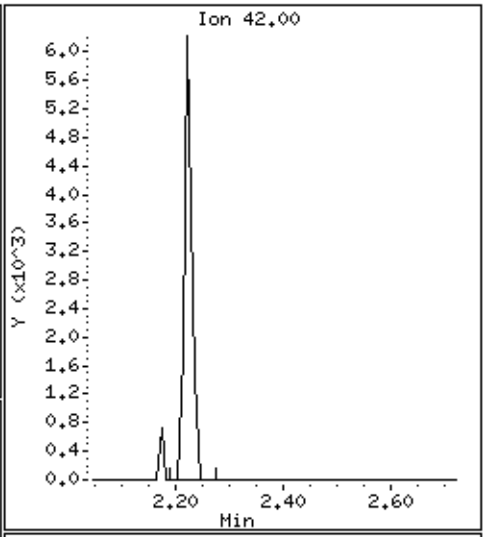
Sample Info: 47769

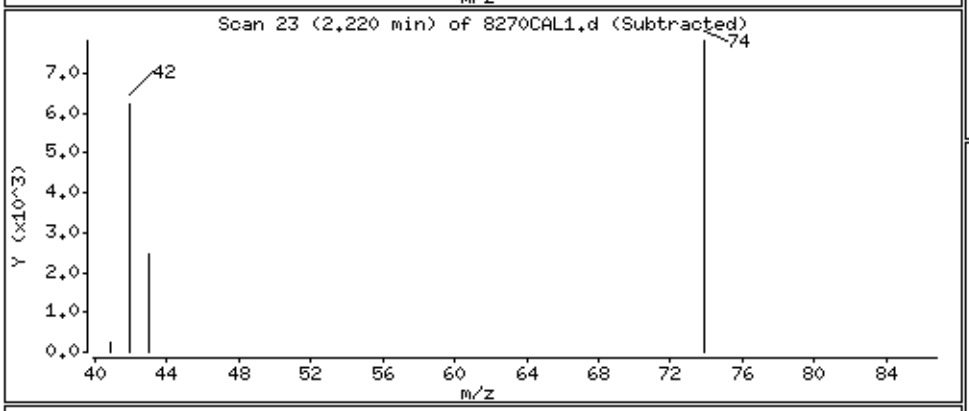
Operator: MJ

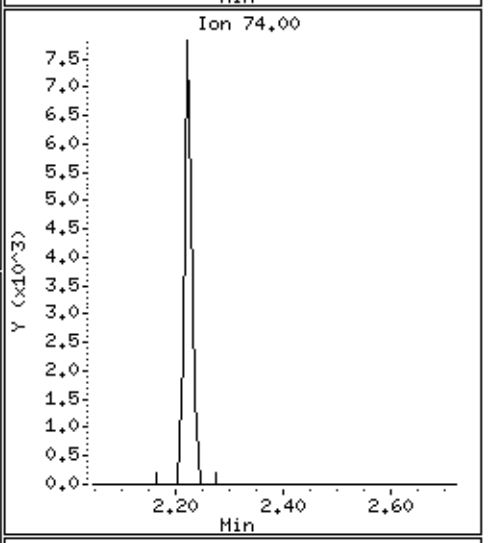
Column phase: HPMS-5 Column diameter: 0.25

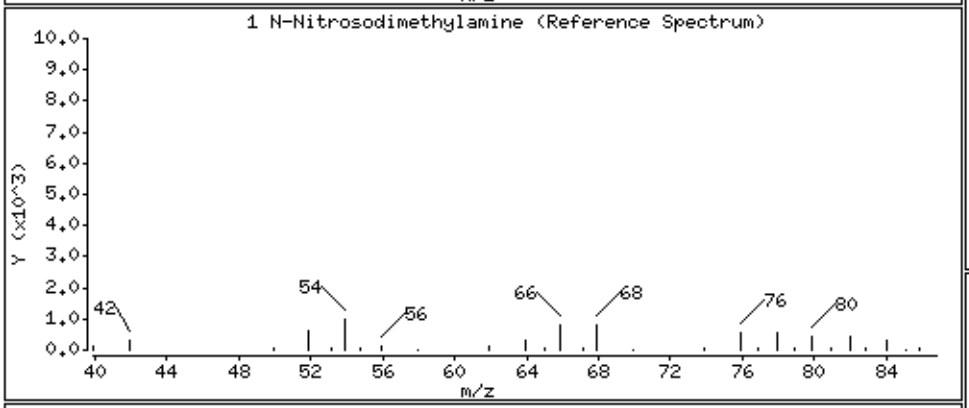
1 N-Nitrosodimethylamine Concentration: 3.9 ug/kg

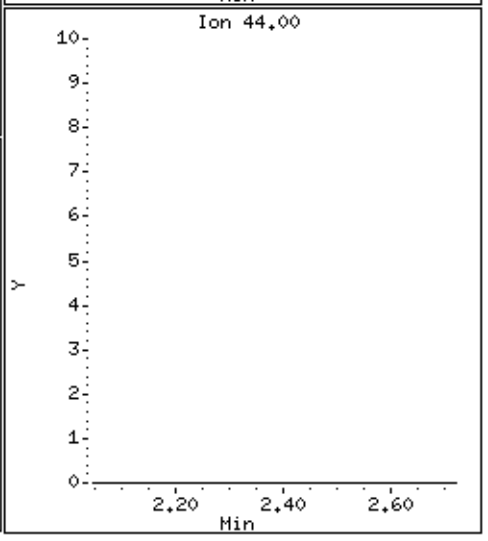


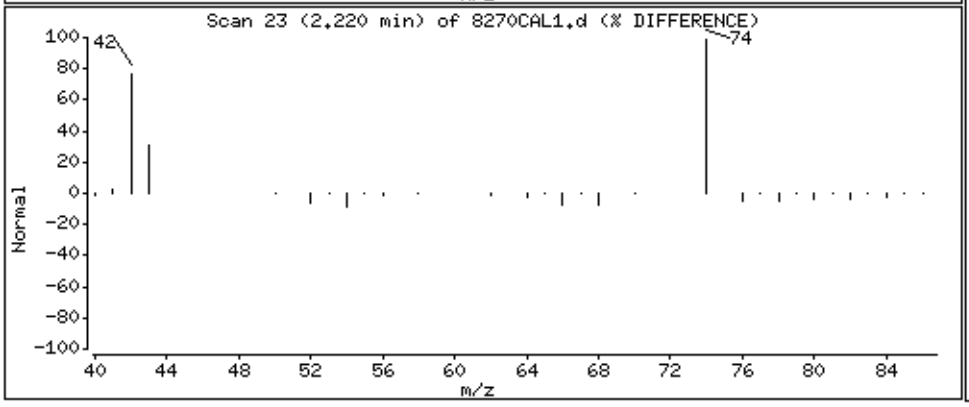












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

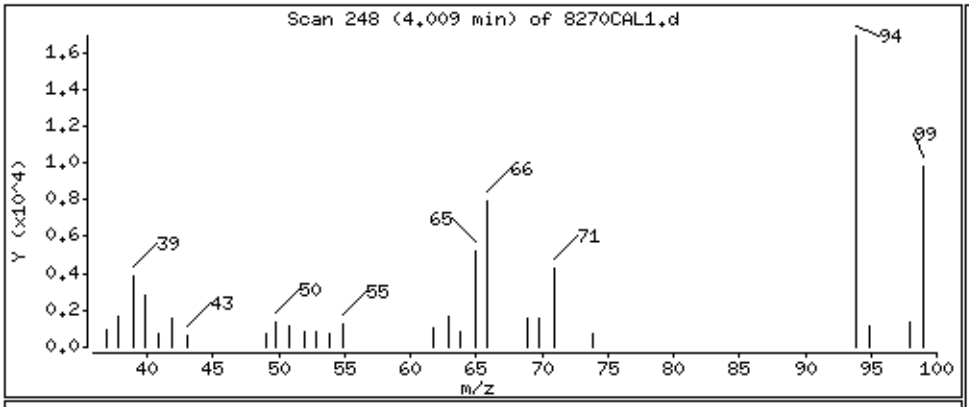
Operator: MJ

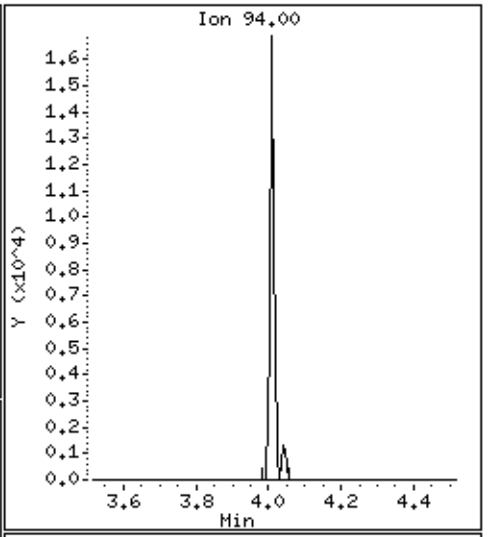
Column phase: HPMS-5

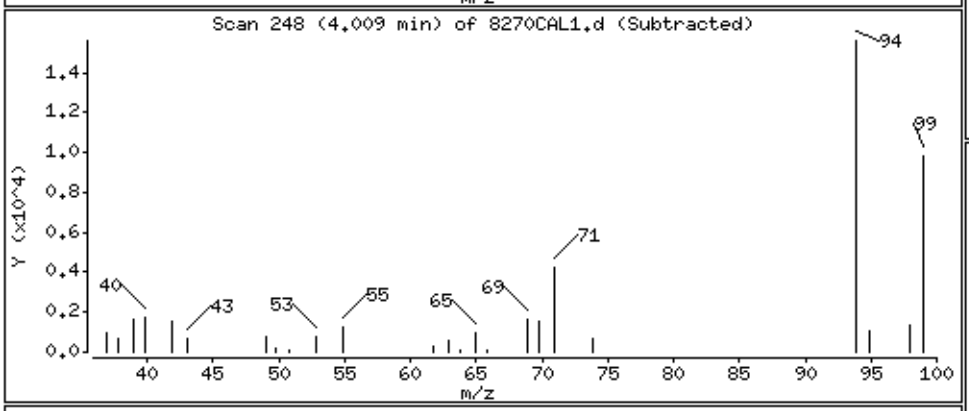
Column diameter: 0.25

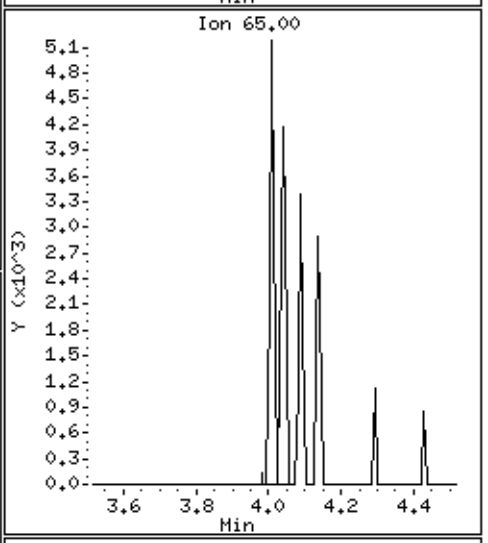
13 Phenol

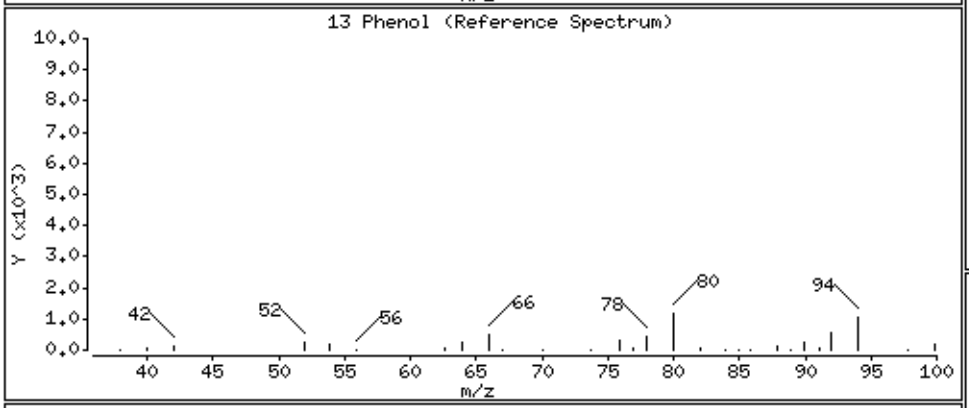
Concentration: 3.3 ug/kg

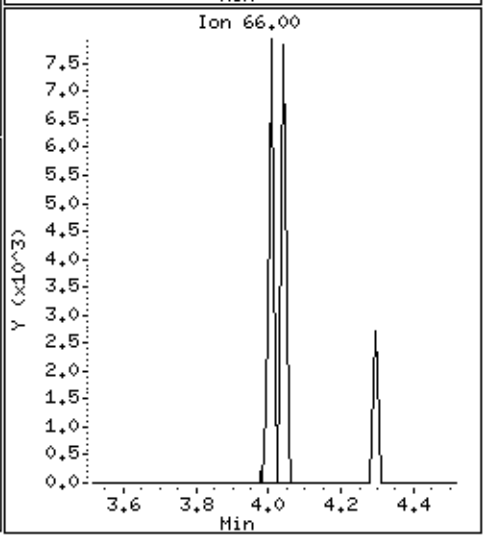


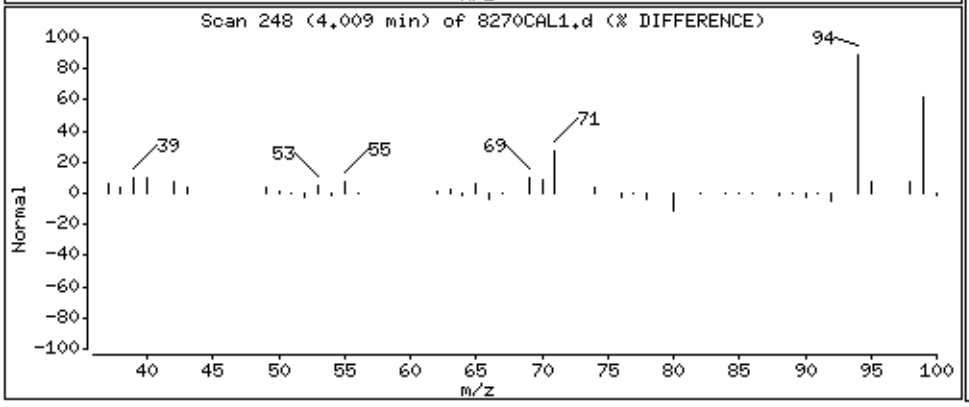












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

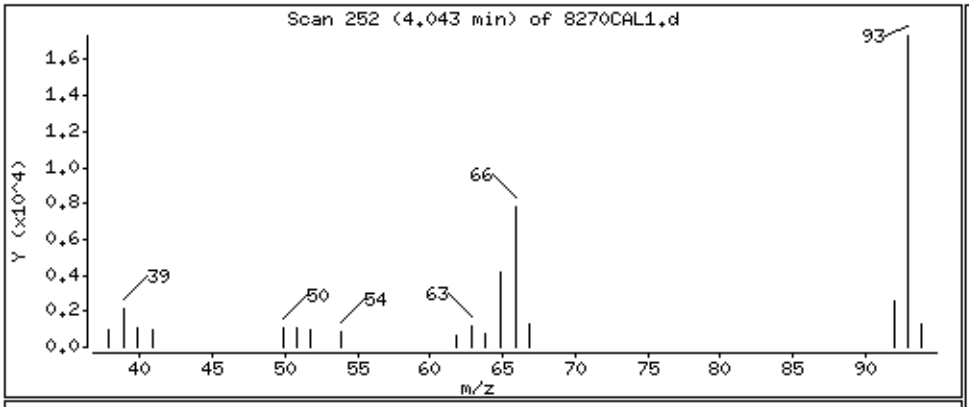
Operator: MJ

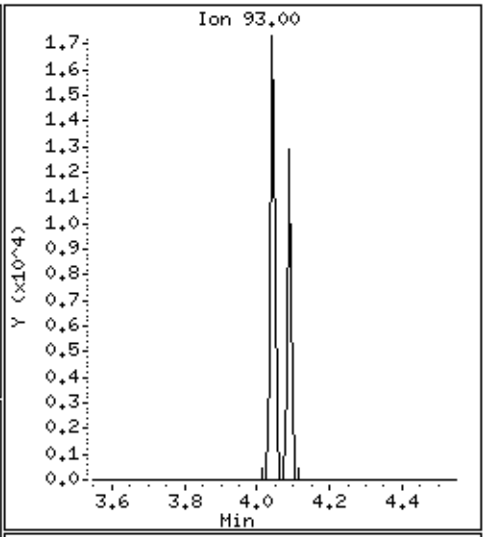
Column phase: HPMS-5

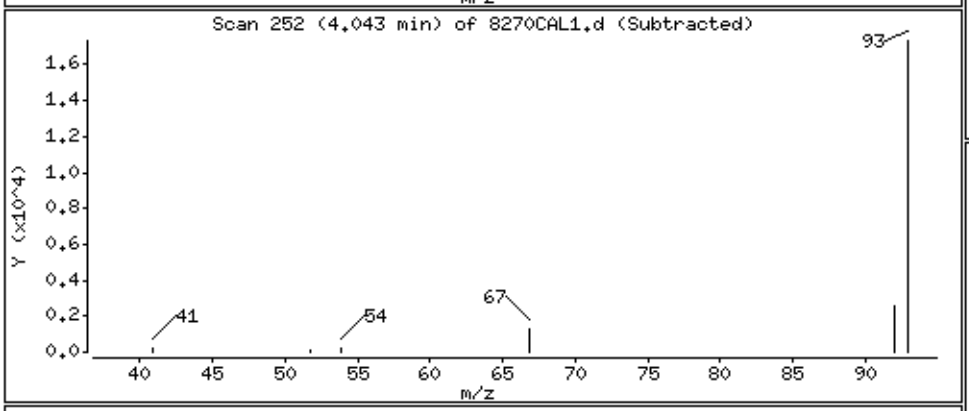
Column diameter: 0.25

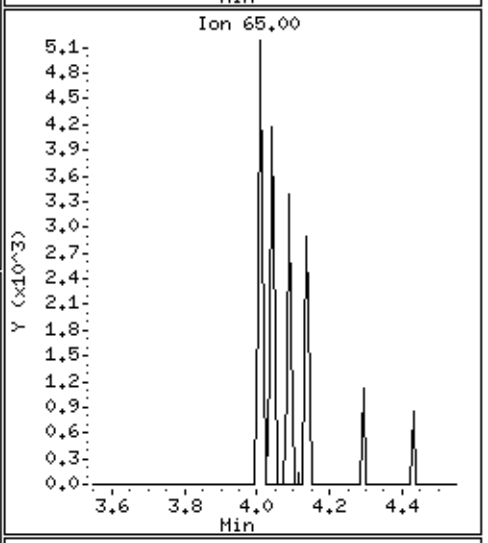
10 Aniline

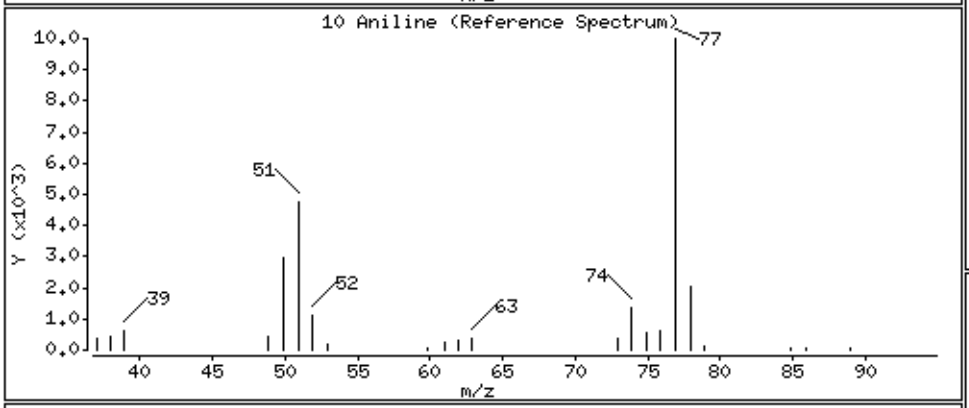
Concentration: 4.0 ug/kg

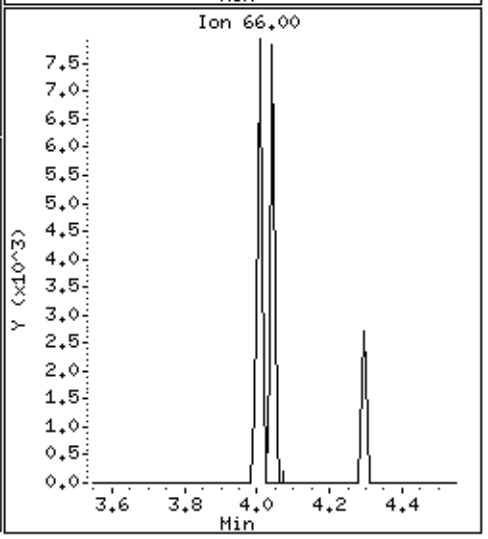


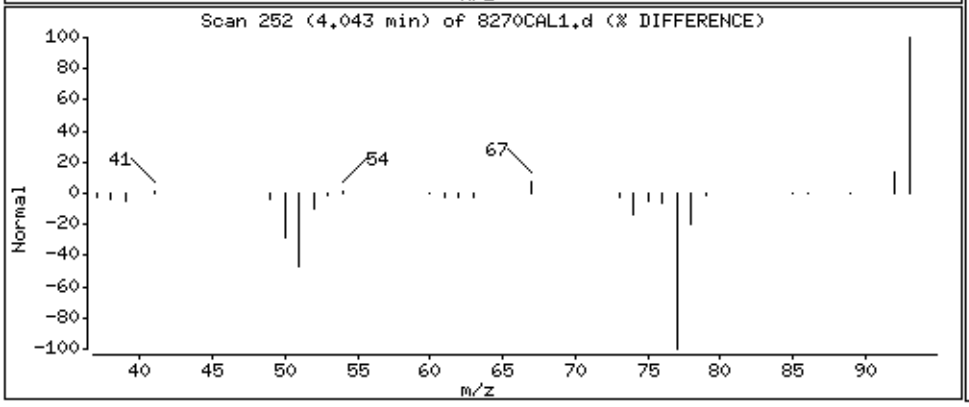












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

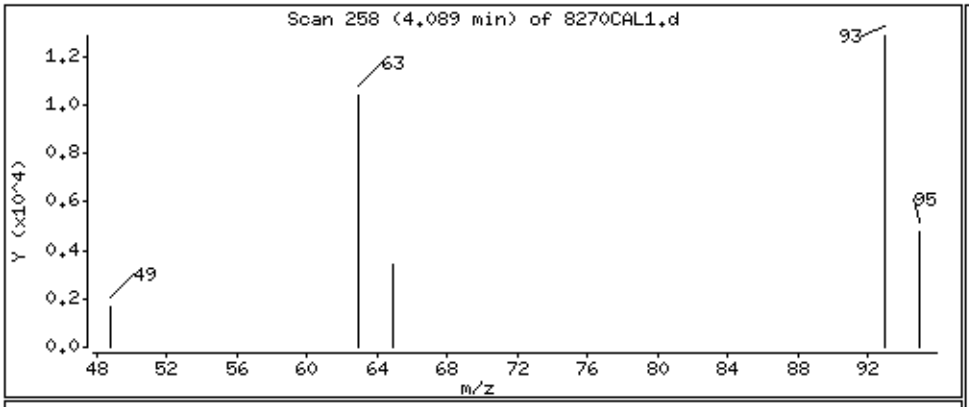
Operator: MJ

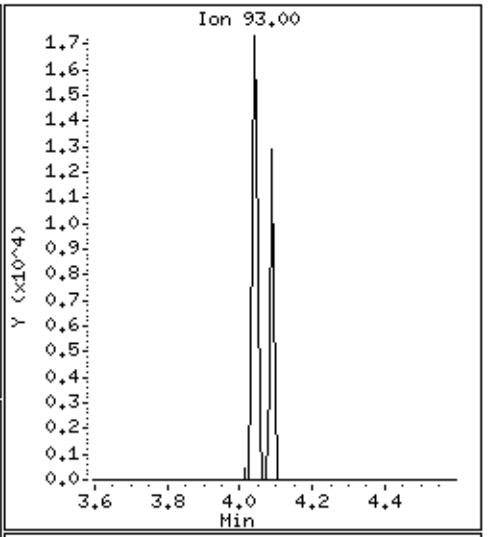
Column phase: HPMS-5

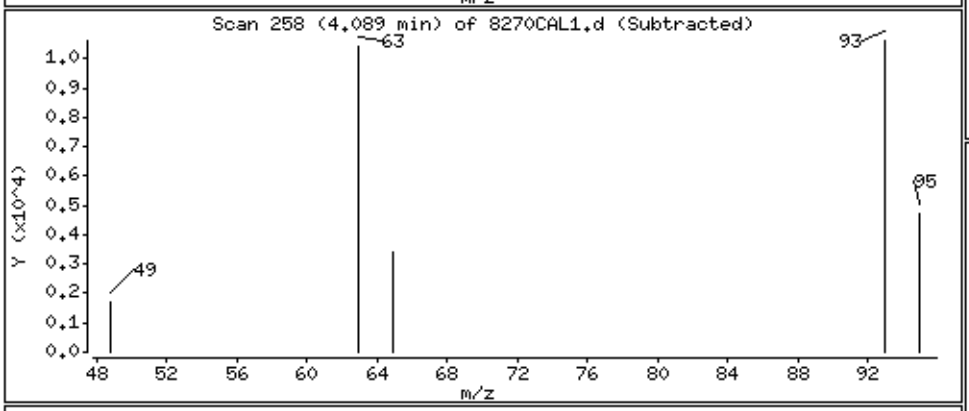
Column diameter: 0.25

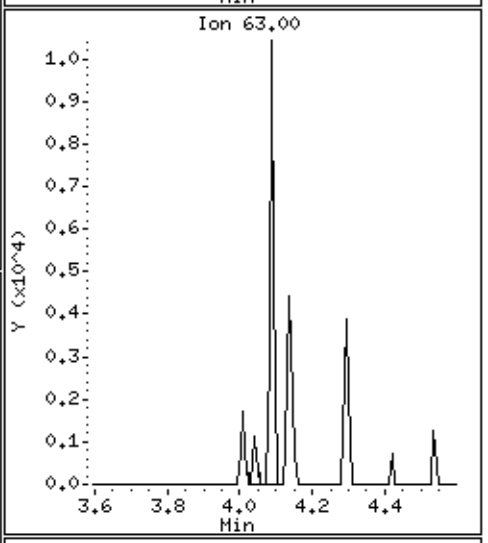
14 Bis(2-Chloroethyl)ether

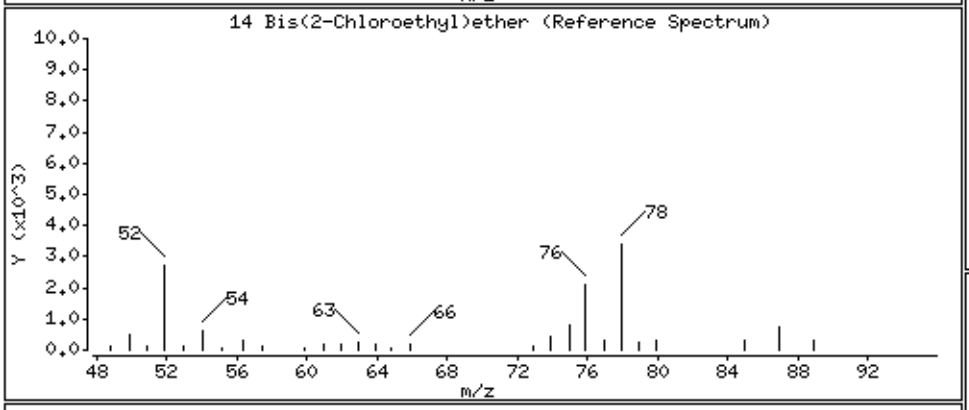
Concentration: 3.5 ug/kg

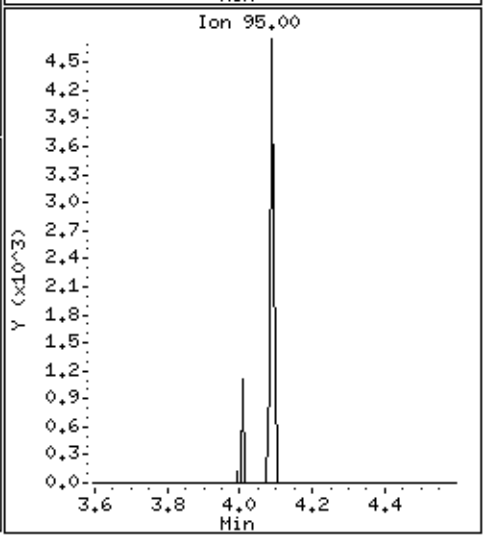


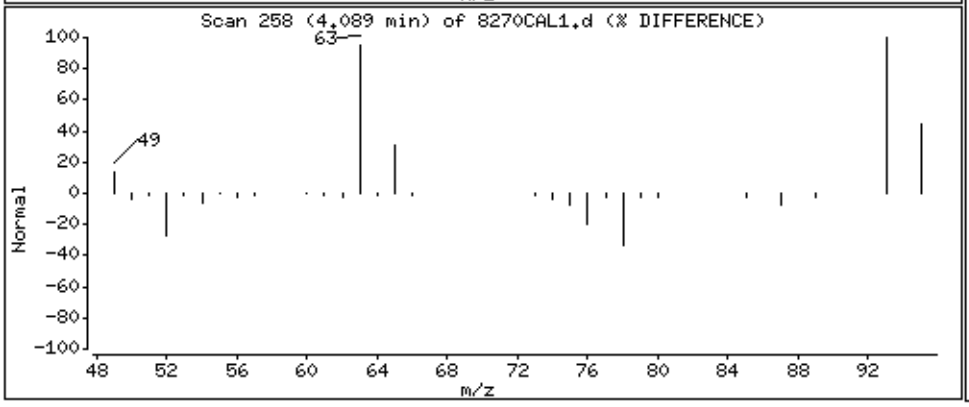












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

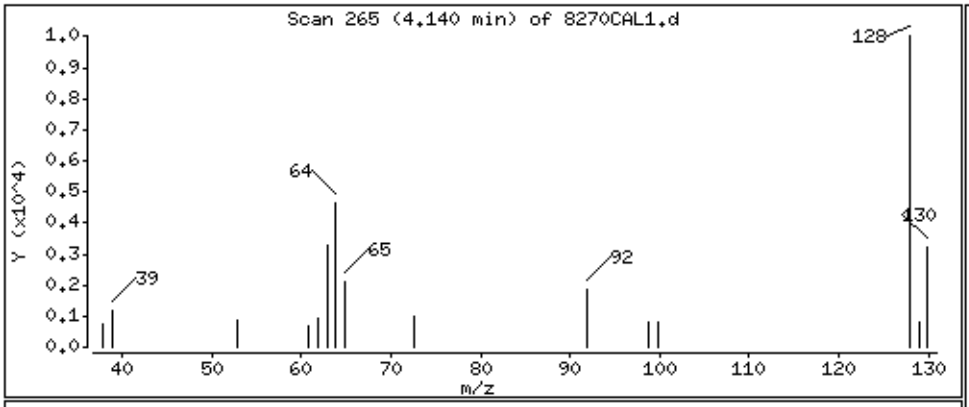
Operator: MJ

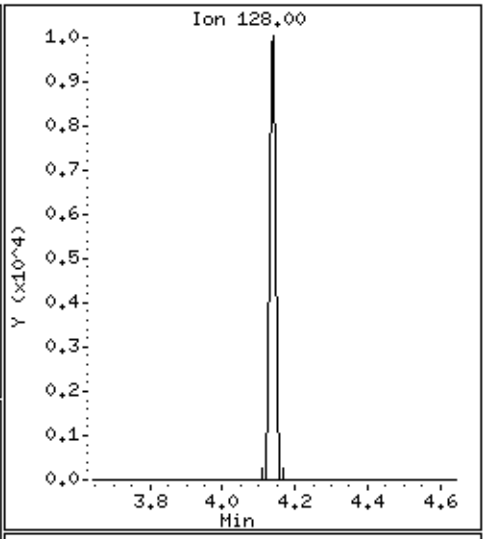
Column phase: HPMS-5

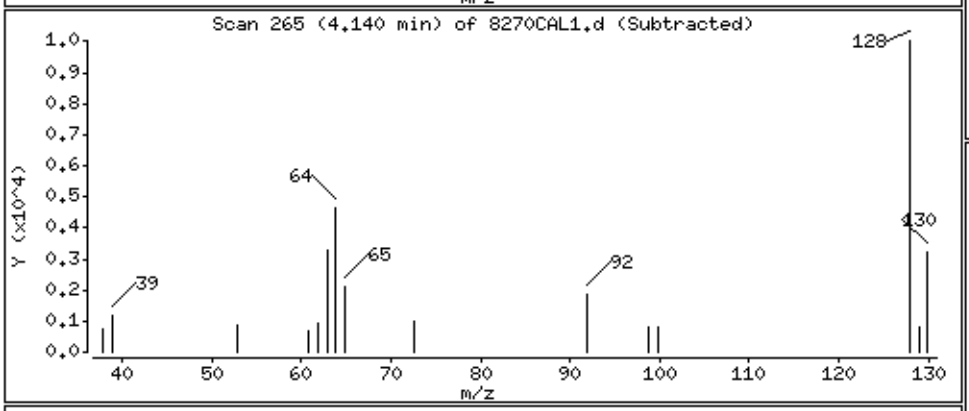
Column diameter: 0.25

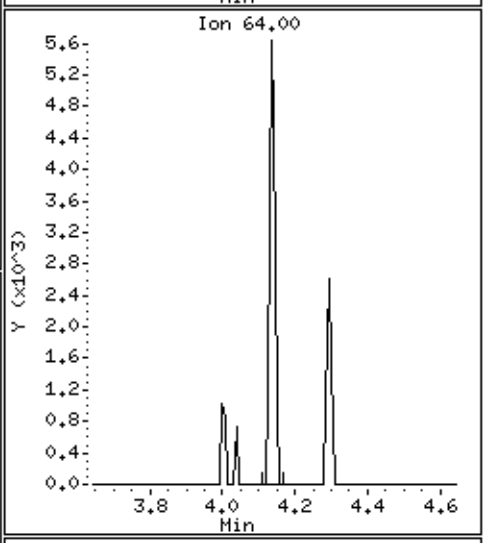
15 2-Chlorophenol

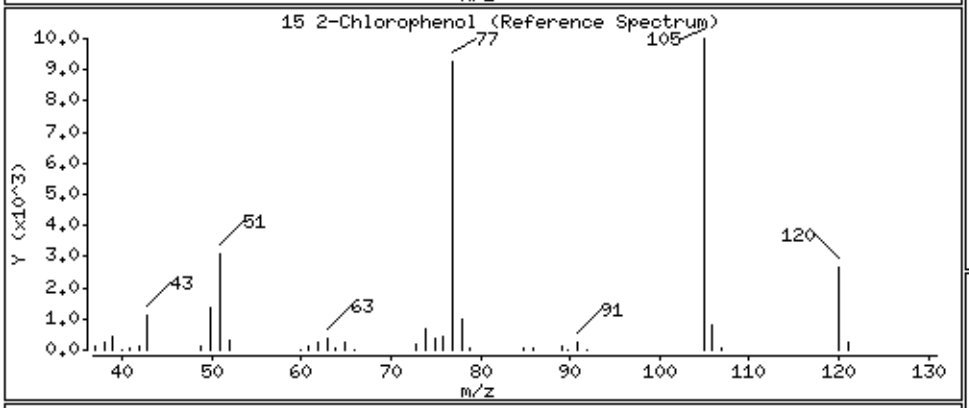
Concentration: 3.7 ug/kg

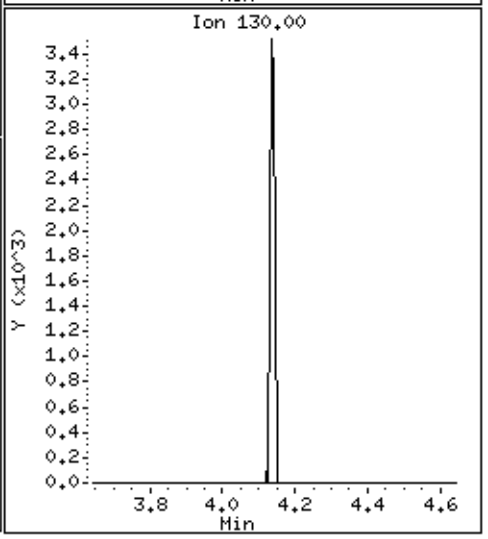


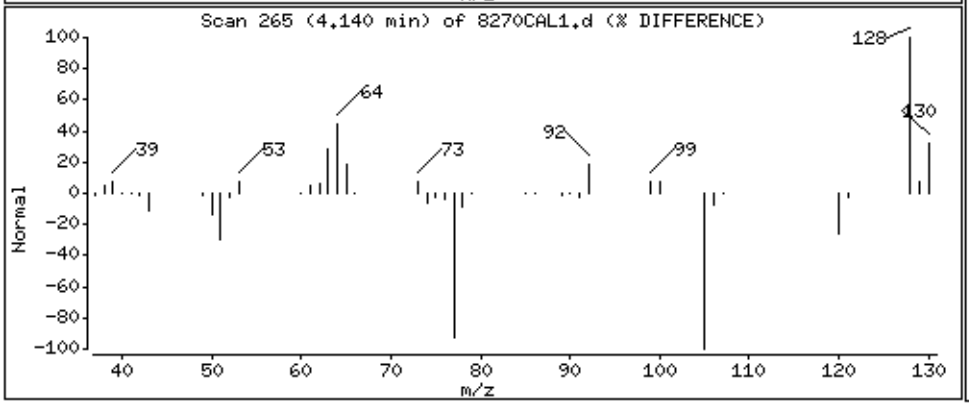












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

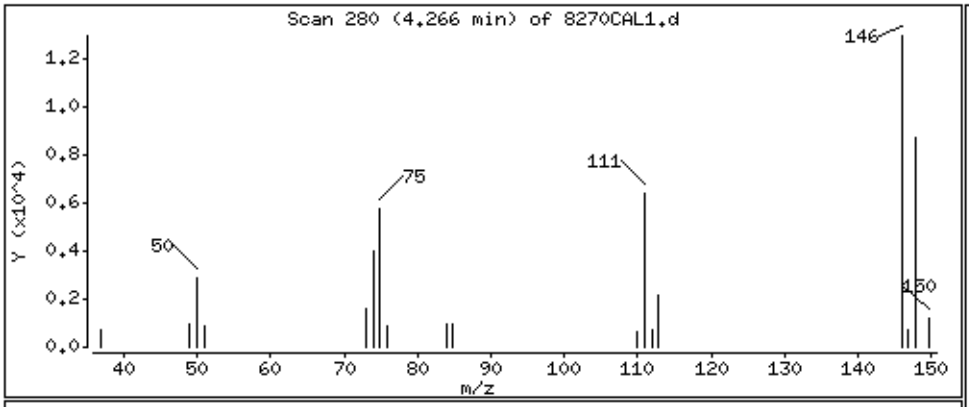
Operator: MJ

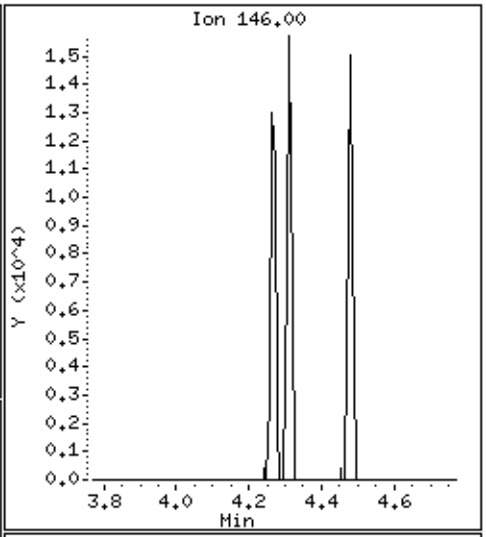
Column phase: HPMS-5

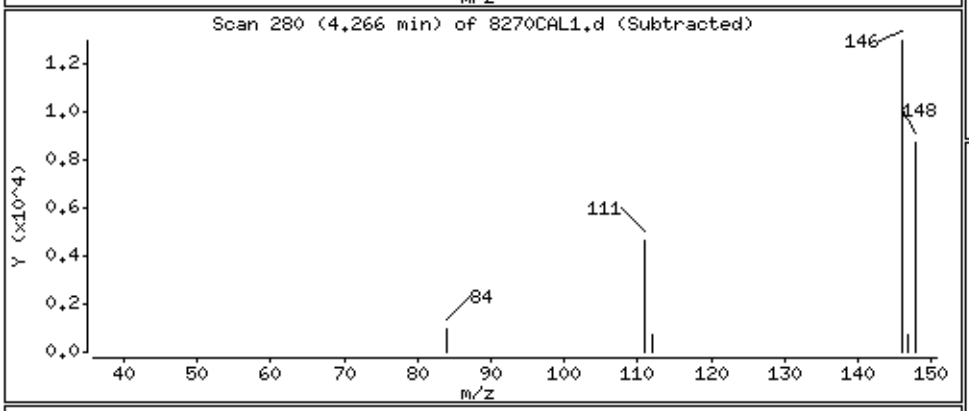
Column diameter: 0.25

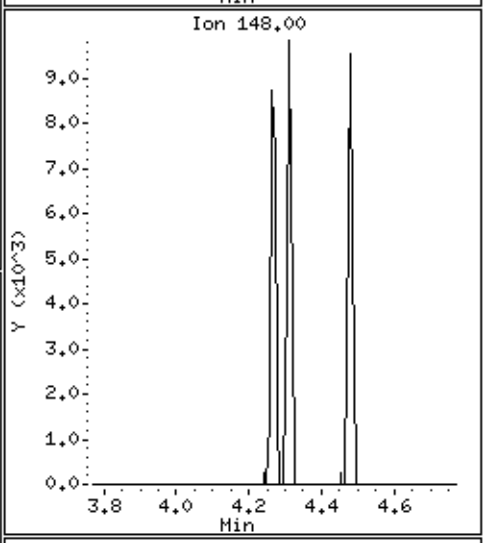
17 1,3-Dichlorobenzene

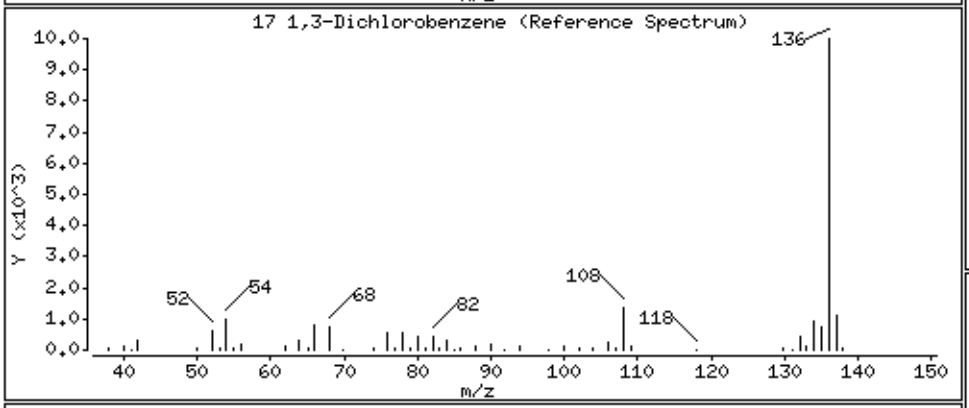
Concentration: 3.7 ug/kg

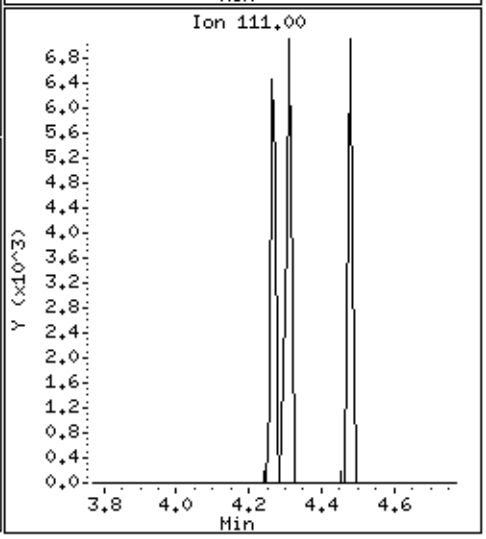


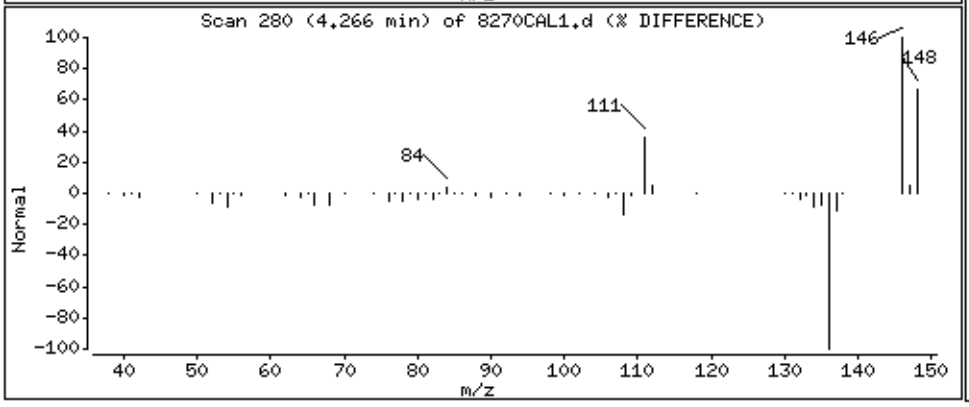












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

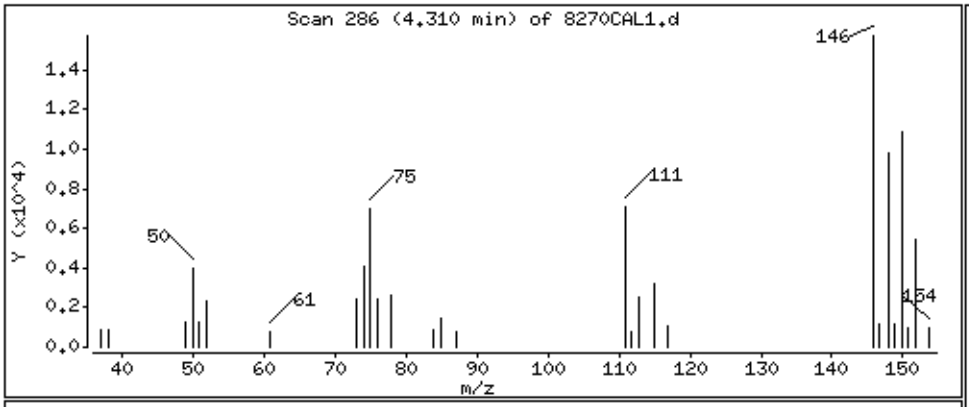
Operator: MJ

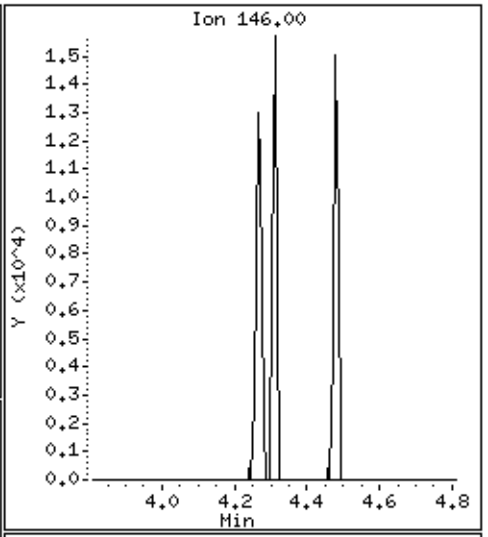
Column phase: HPMS-5

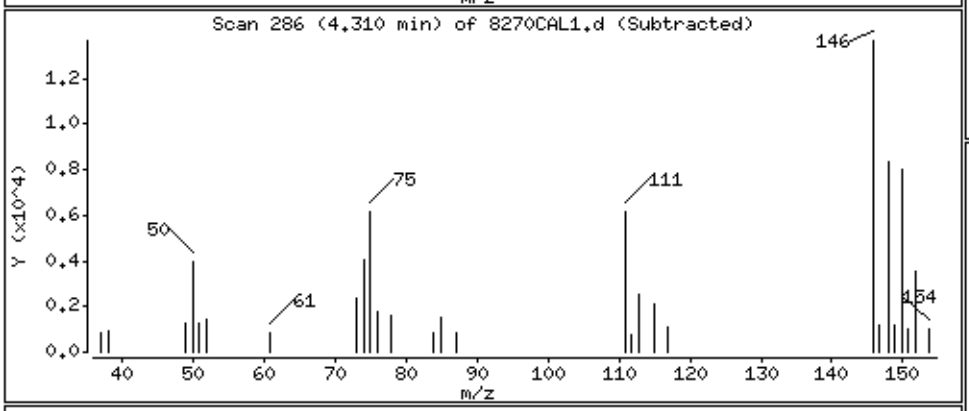
Column diameter: 0.25

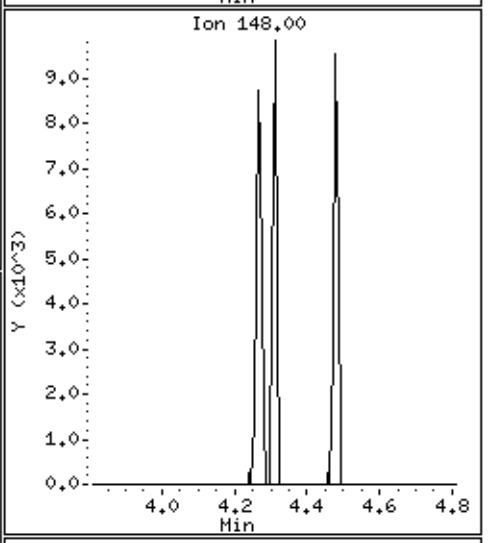
19 1,4-Dichlorobenzene

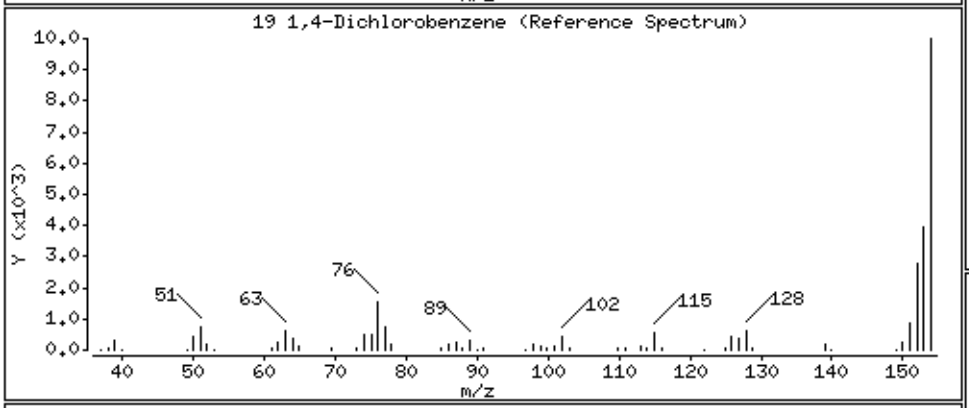
Concentration: 3.6 ug/kg

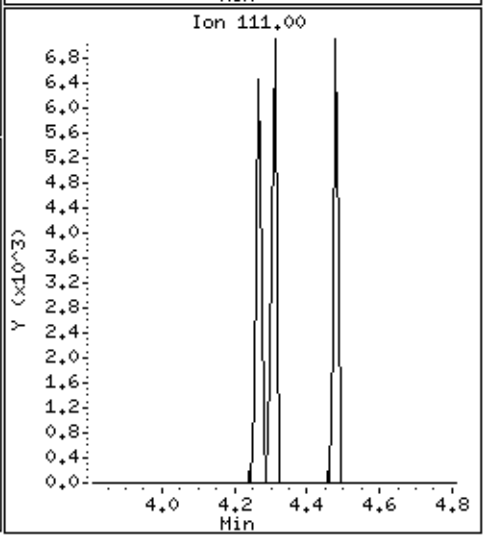


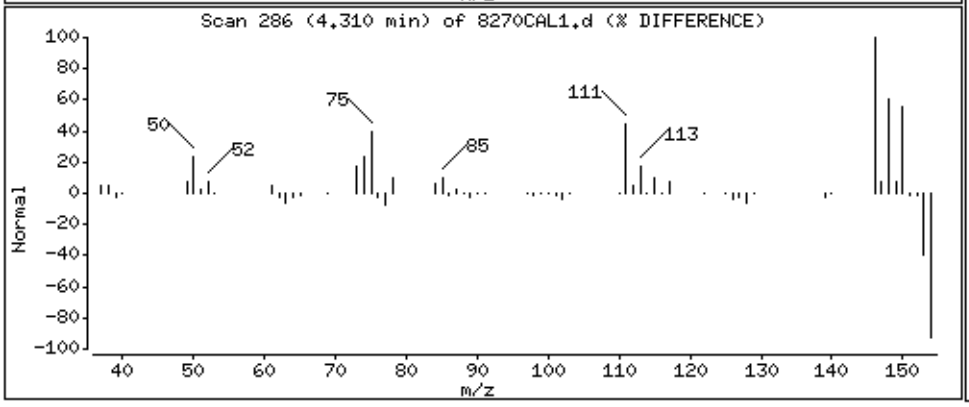












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

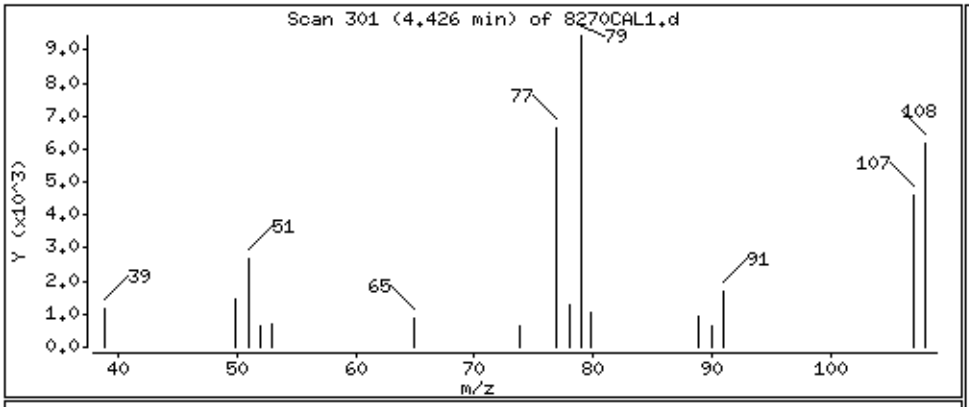
Operator: MJ

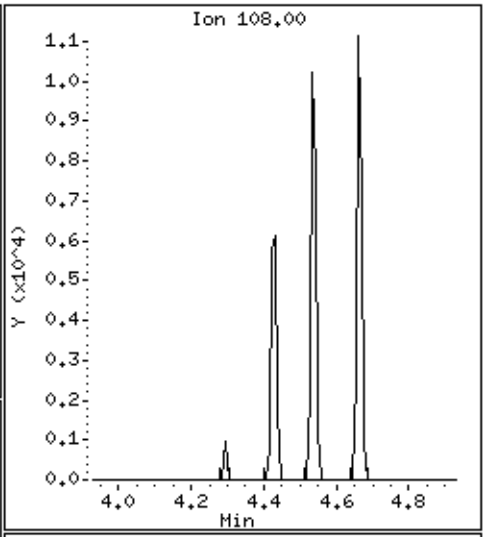
Column phase: HPMS-5

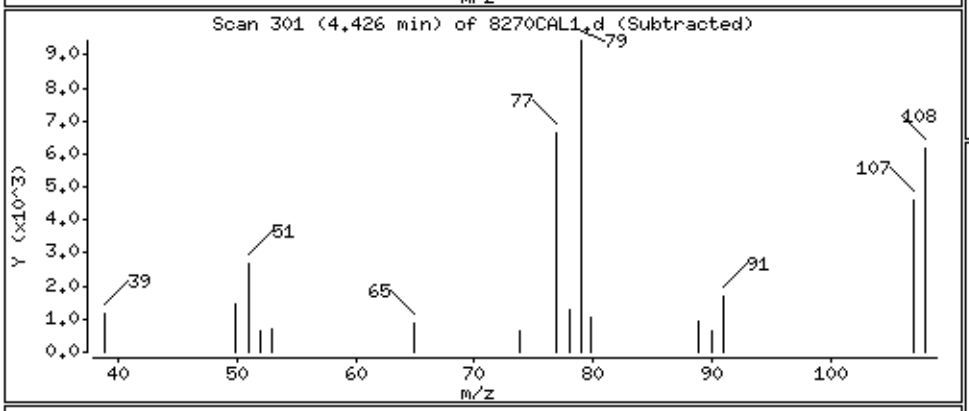
Column diameter: 0.25

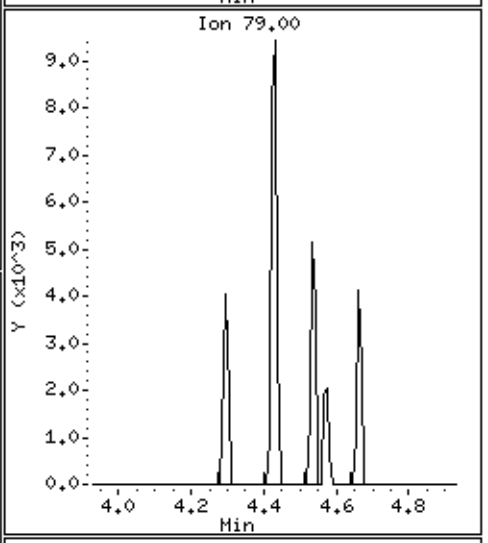
21 Benzyl alcohol

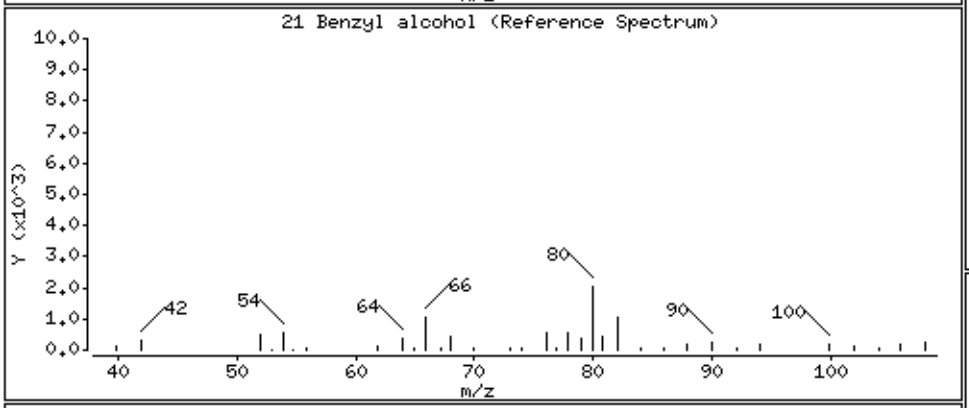
Concentration: 3.3 ug/kg

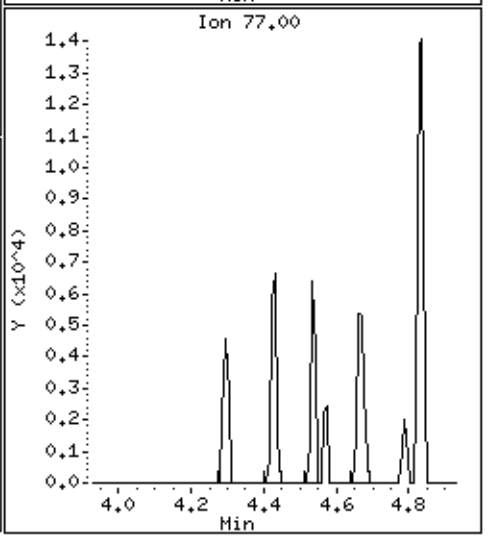


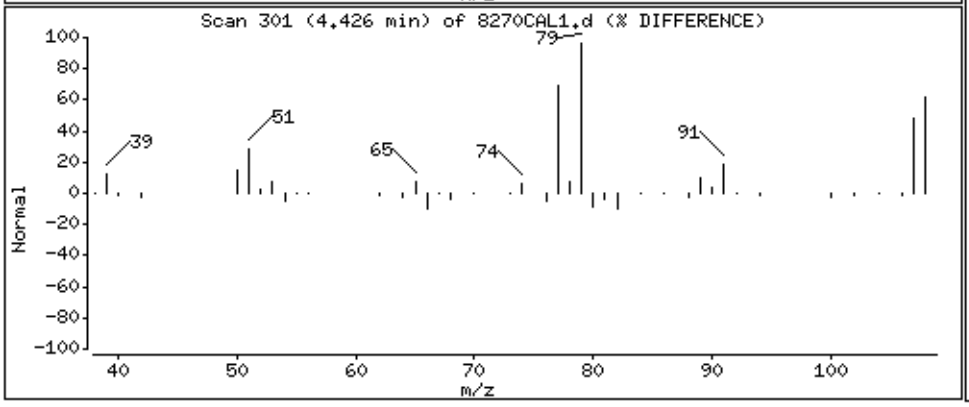












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

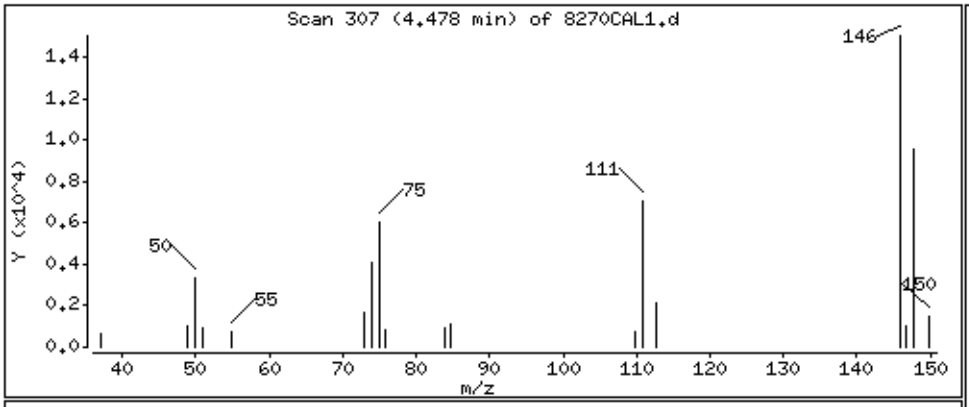
Operator: MJ

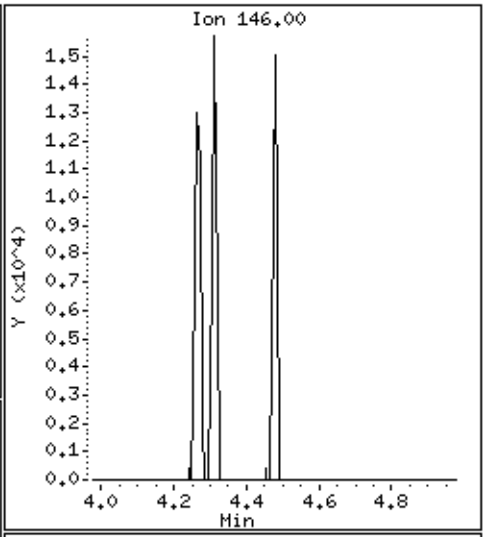
Column phase: HPMS-5

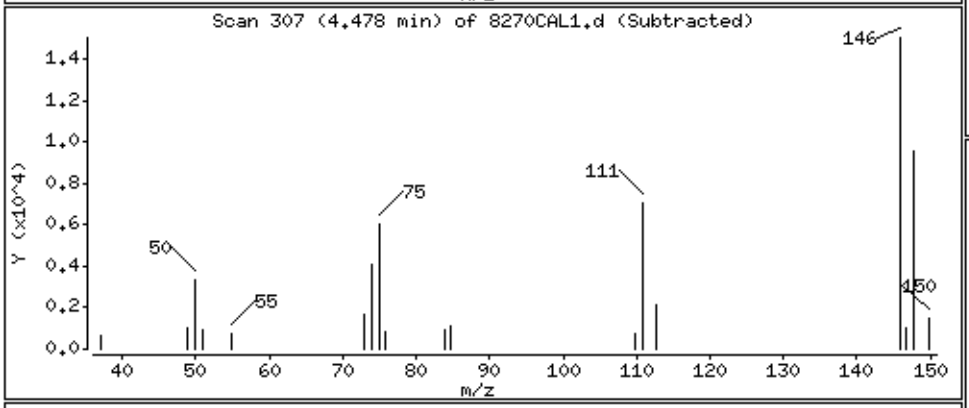
Column diameter: 0.25

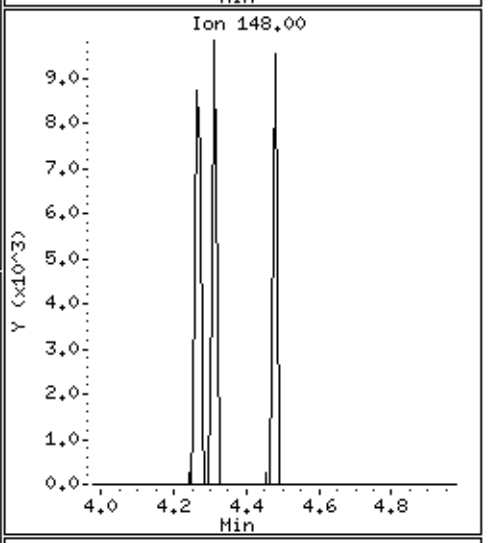
20 1,2-Dichlorobenzene

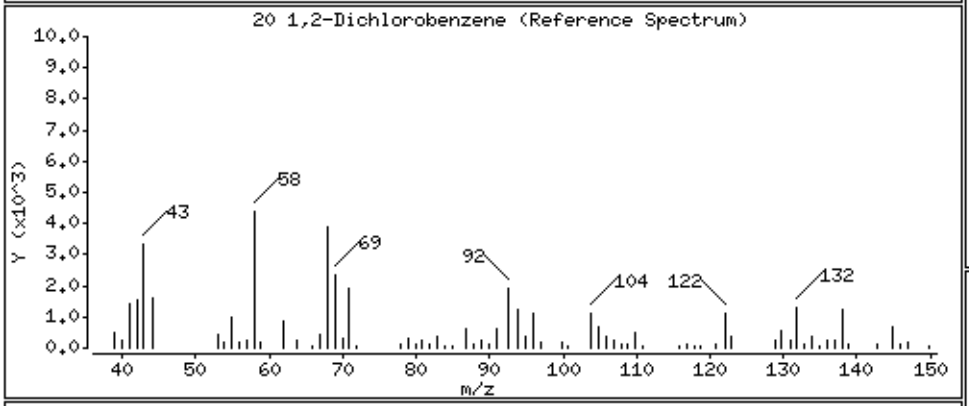
Concentration: 3.8 ug/kg

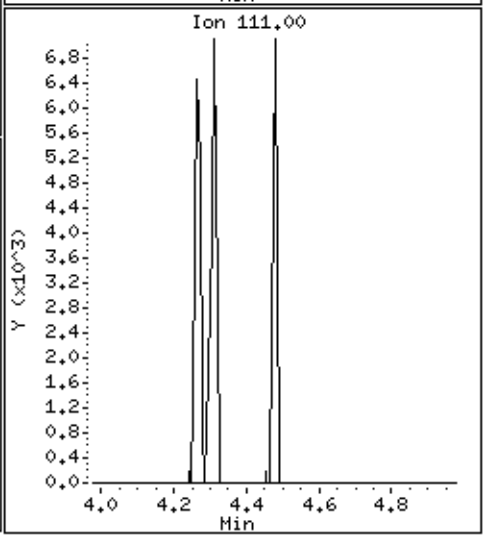


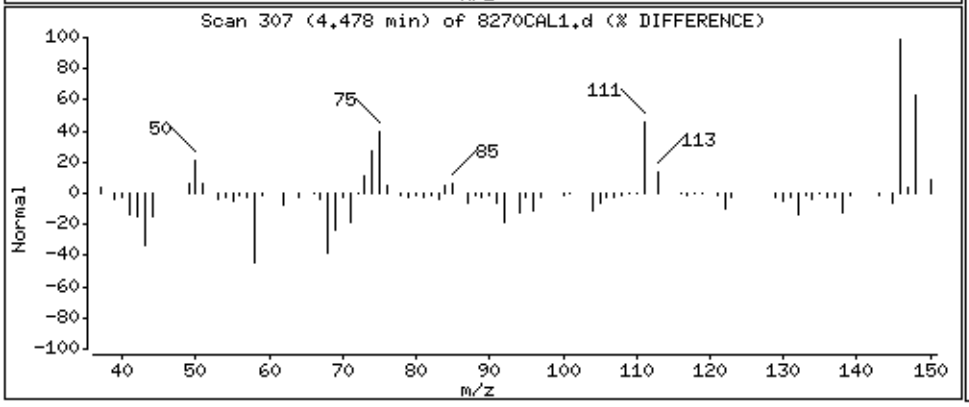












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

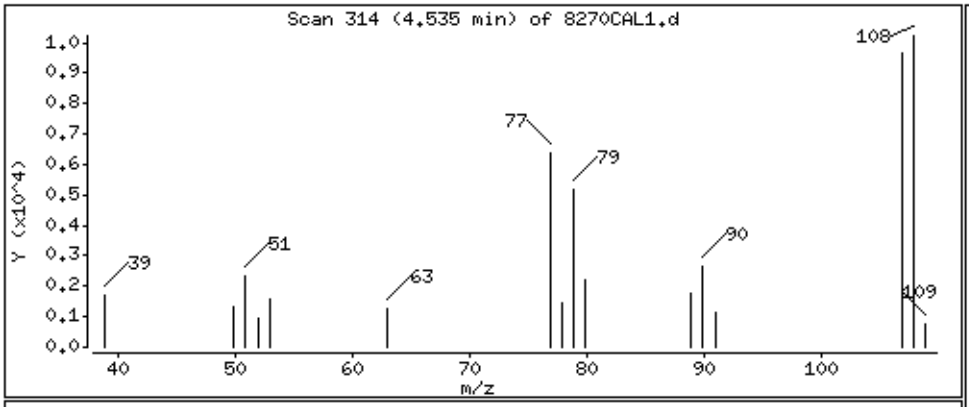
Operator: MJ

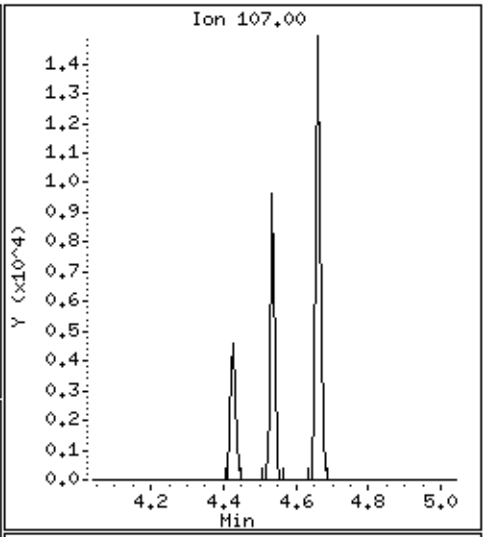
Column phase: HPMS-5

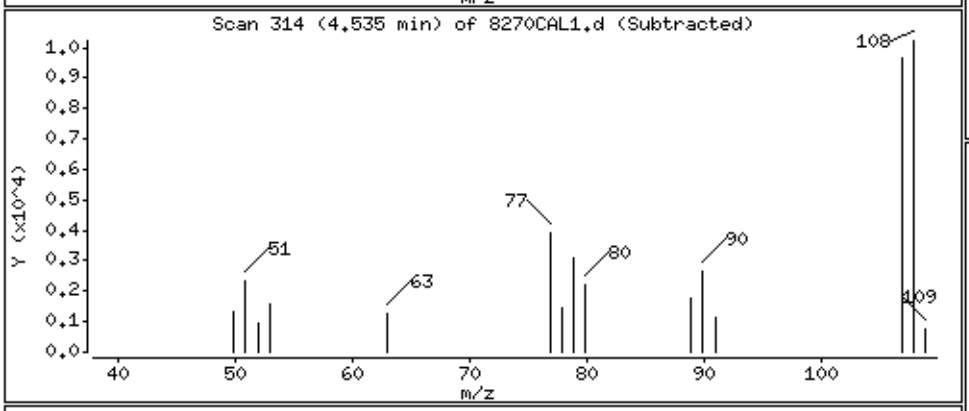
Column diameter: 0.25

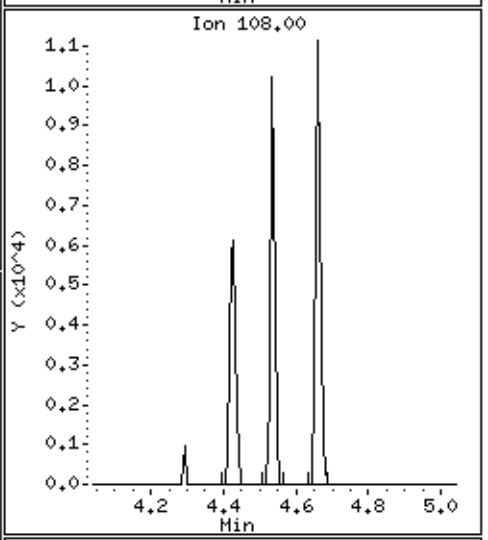
22 2-Methylphenol

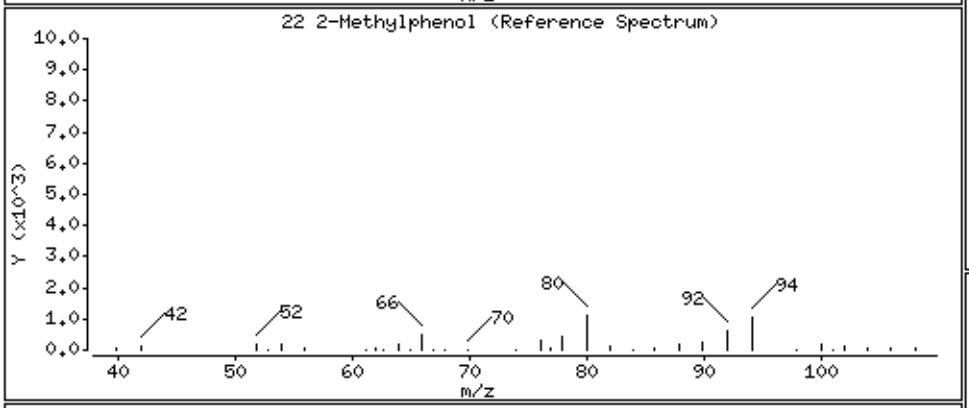
Concentration: 3.7 ug/kg

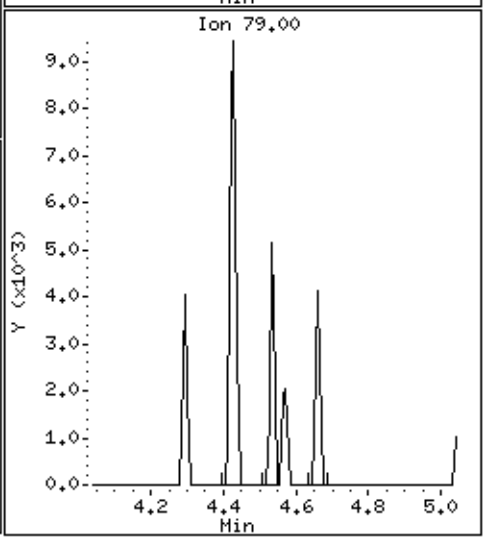


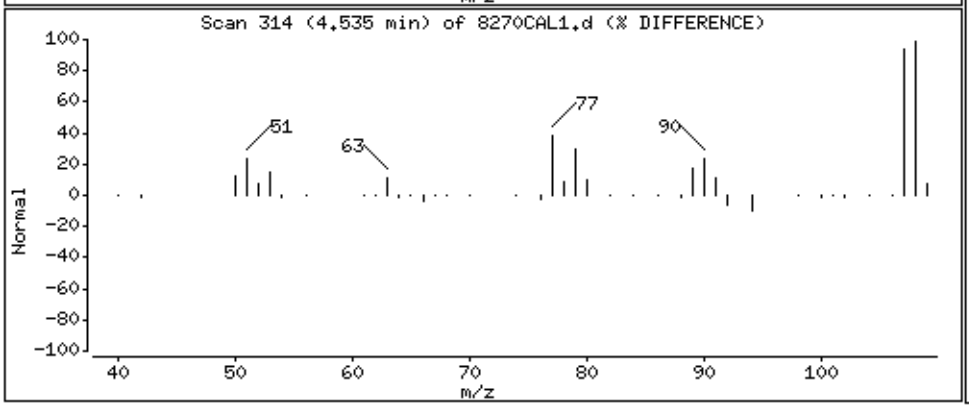












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

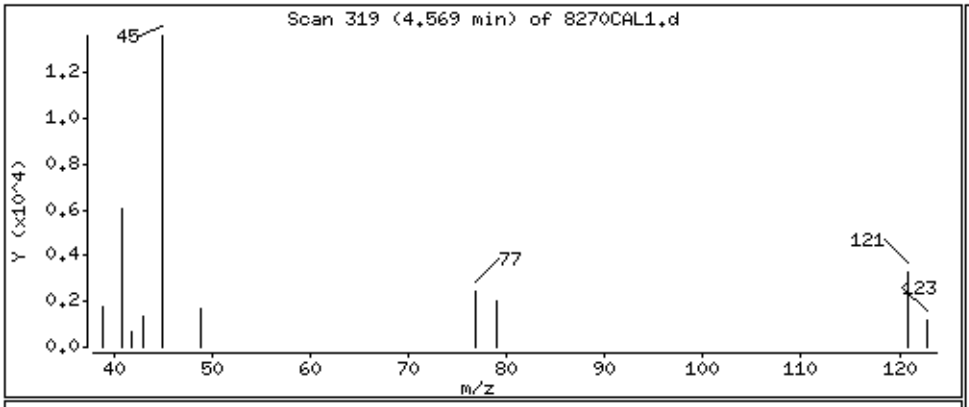
Operator: MJ

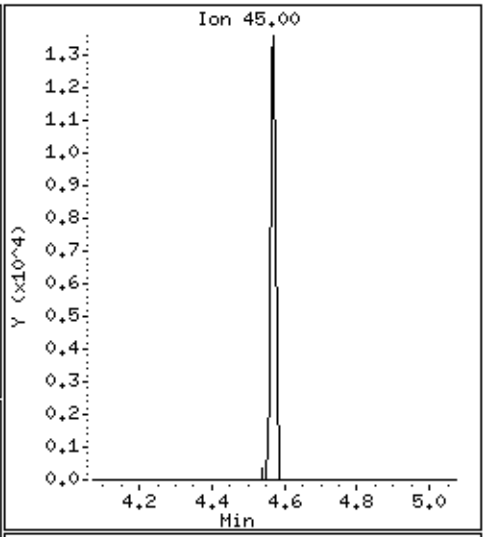
Column phase: HPMS-5

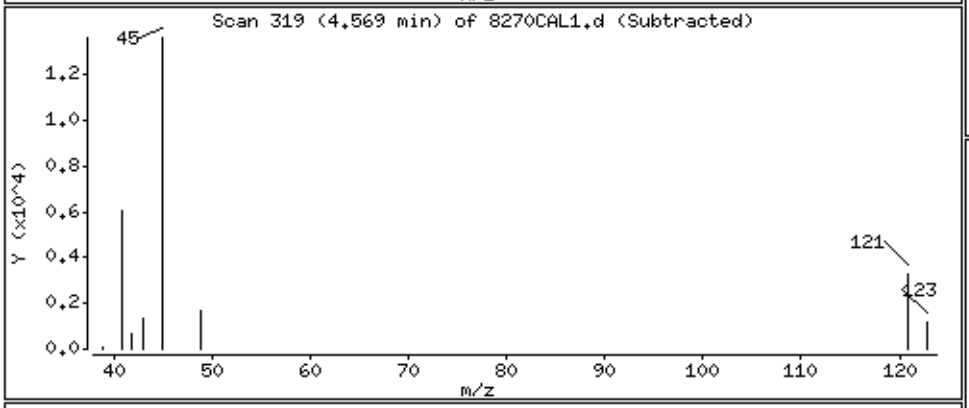
Column diameter: 0.25

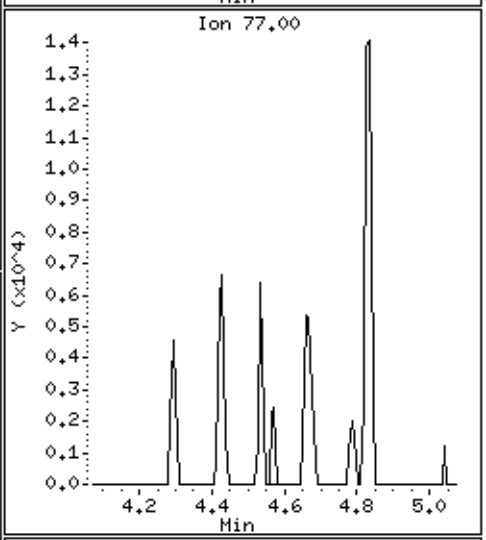
23 2,2'-oxybis(1-chloropropane)

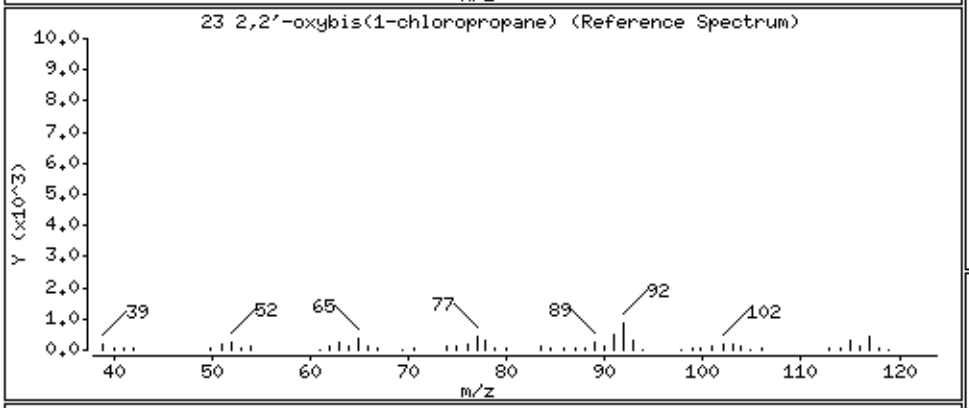
Concentration: 3.8 ug/kg

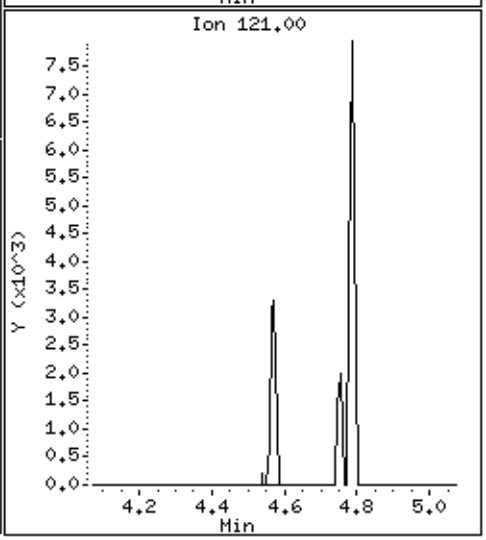


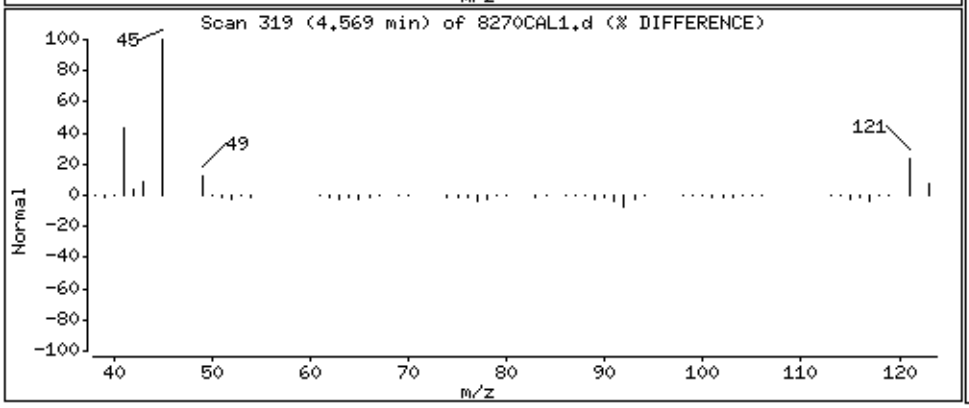












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

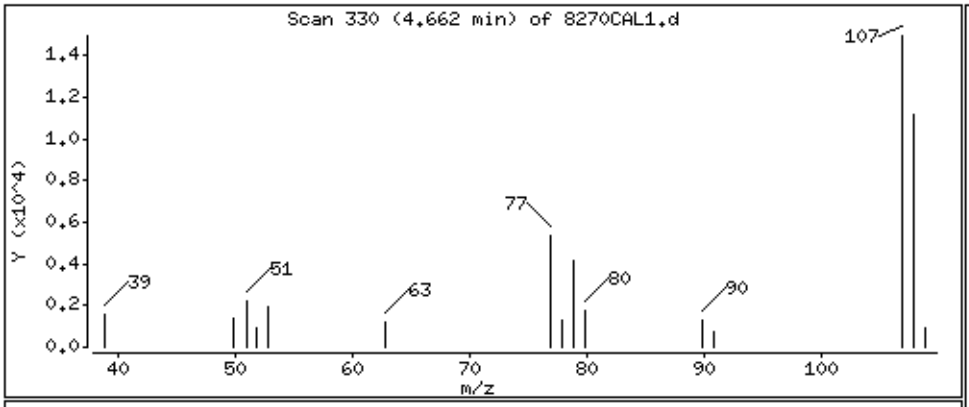
Operator: MJ

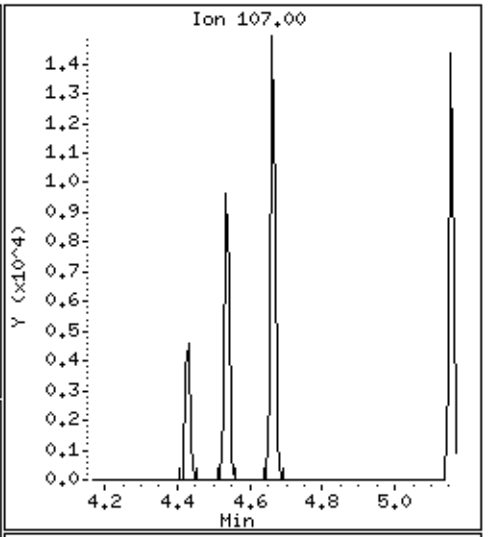
Column phase: HPMS-5

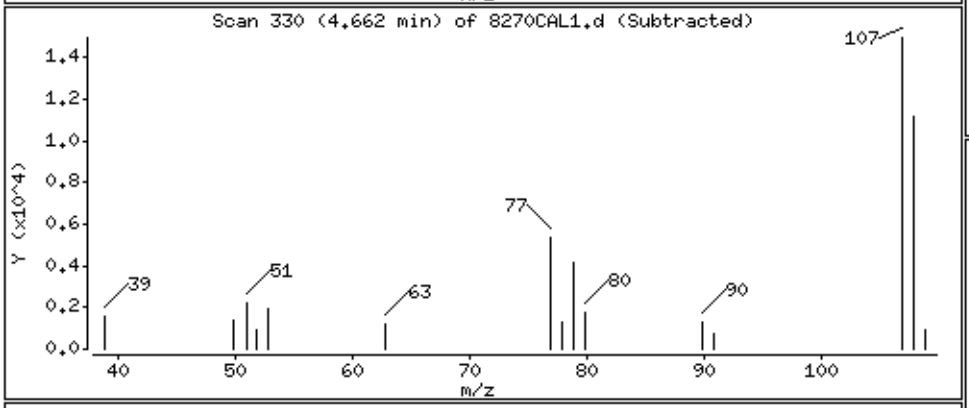
Column diameter: 0.25

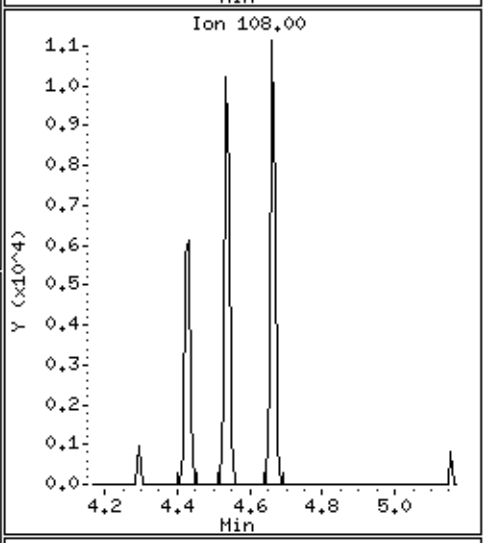
28 4-Methylphenol

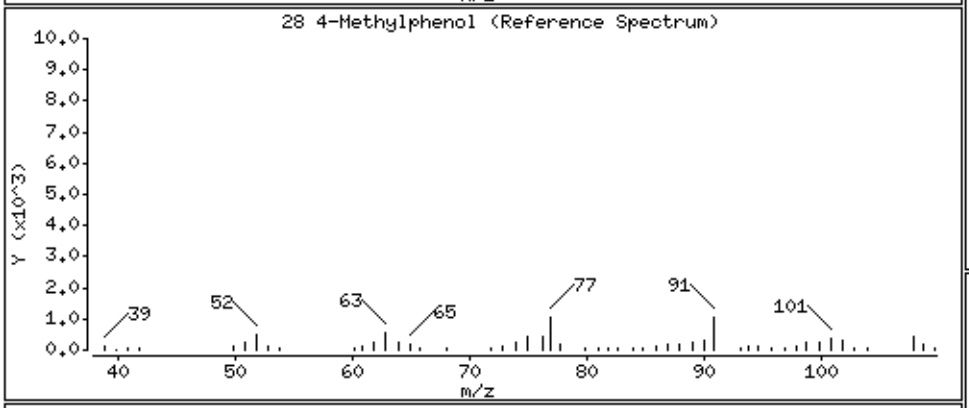
Concentration: 3.6 ug/kg

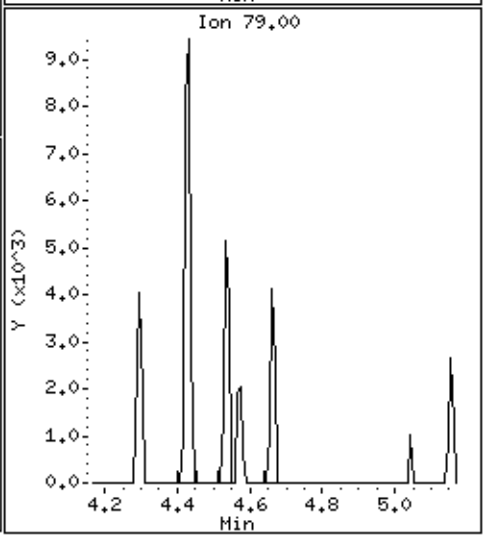


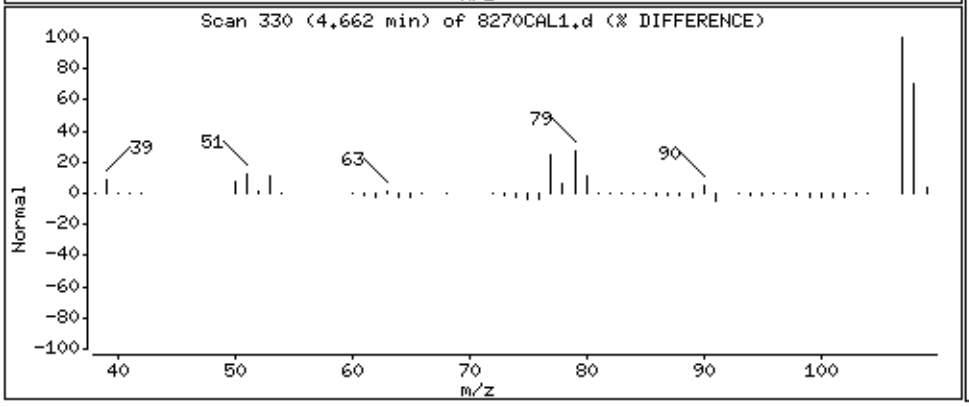












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

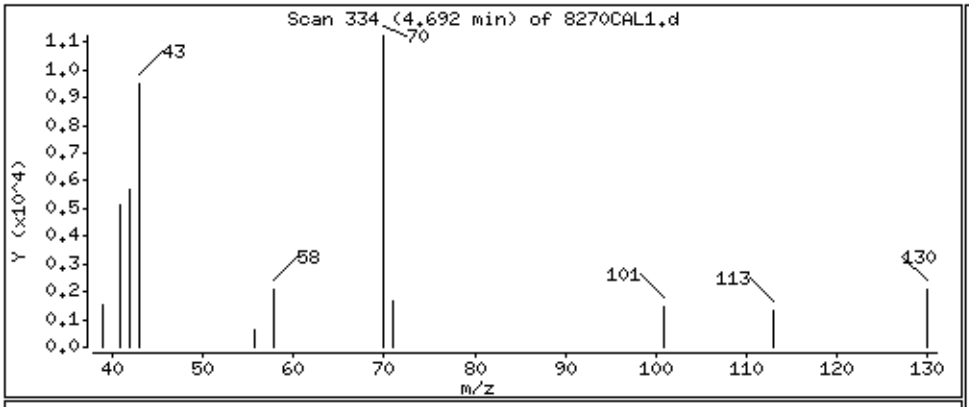
Operator: MJ

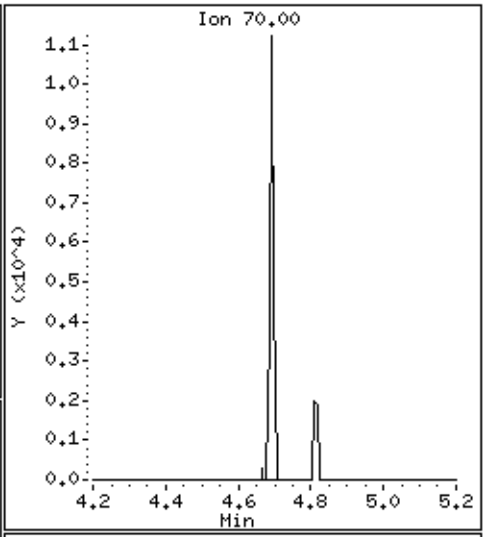
Column phase: HPMS-5

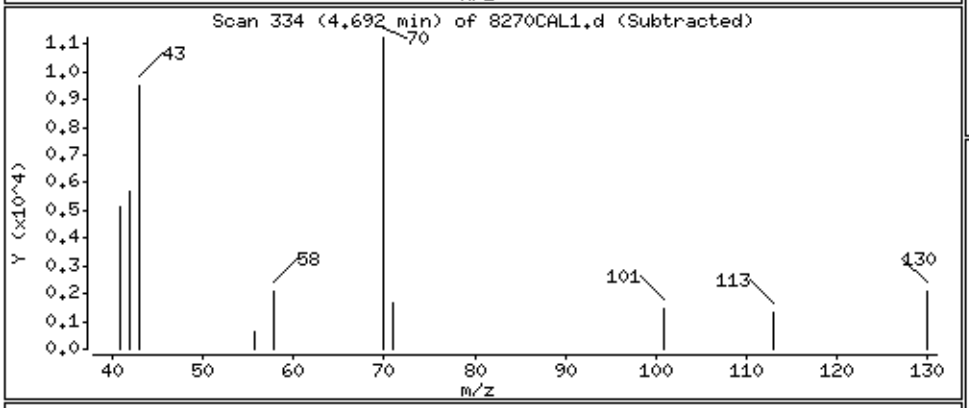
Column diameter: 0.25

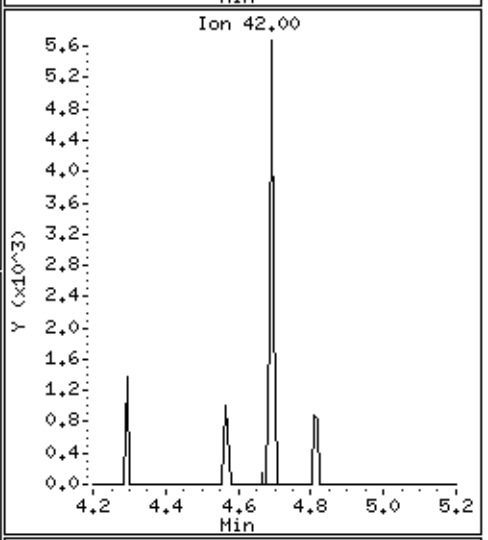
26 N-Nitrosodinpropylamine

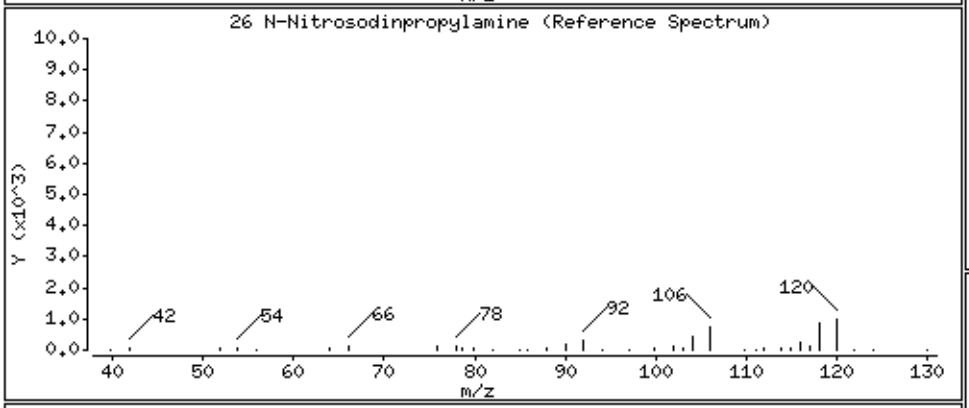
Concentration: 3.4 ug/kg

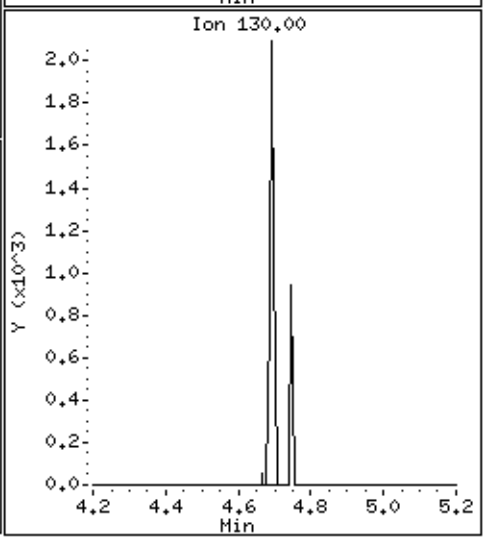


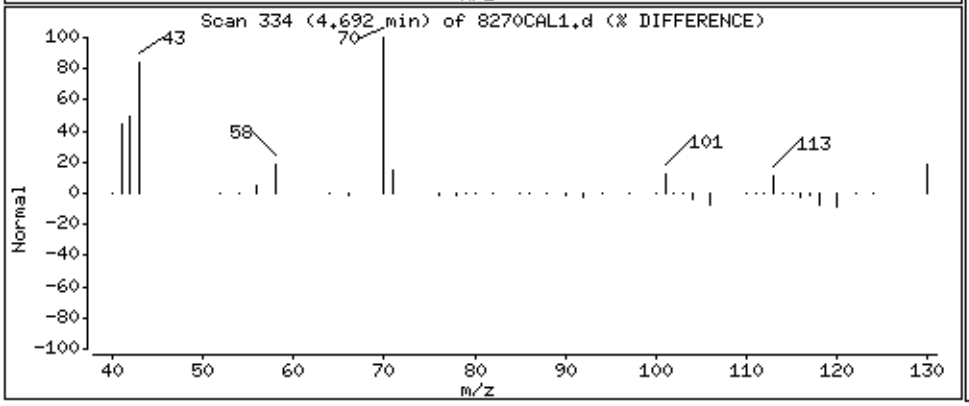












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

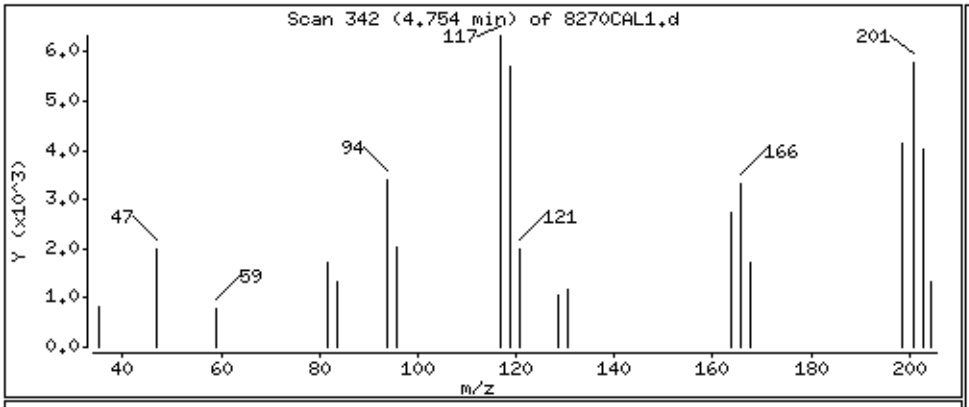
Operator: MJ

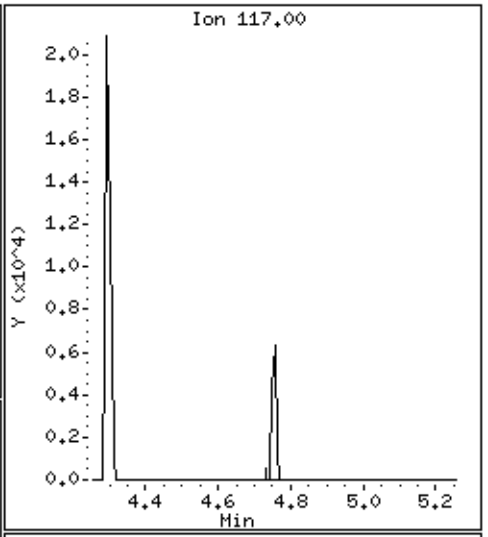
Column phase: HPMS-5

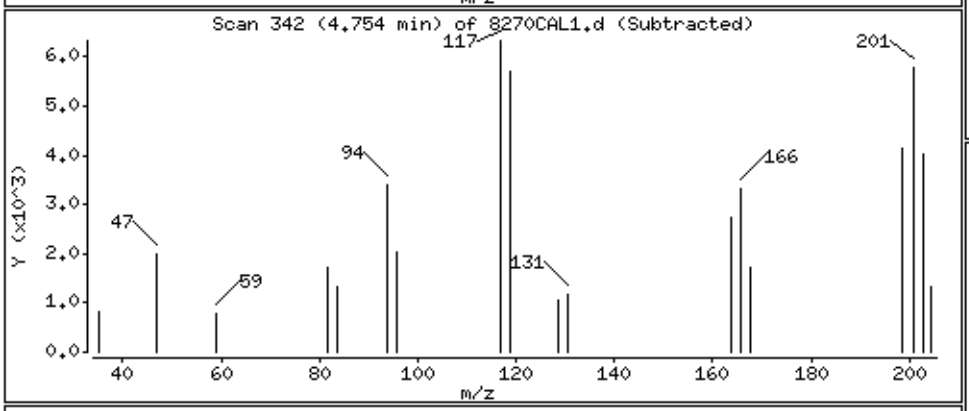
Column diameter: 0.25

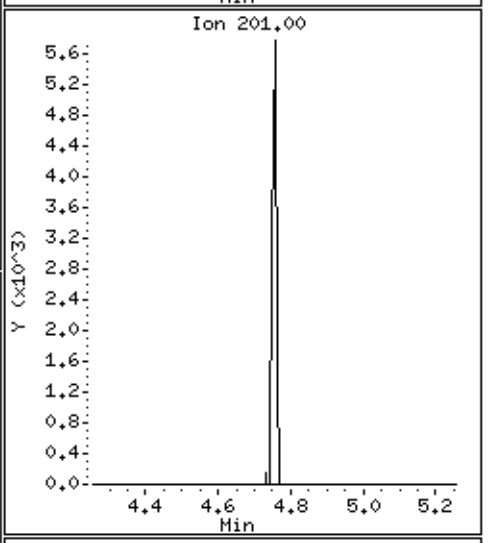
30 Hexachloroethane

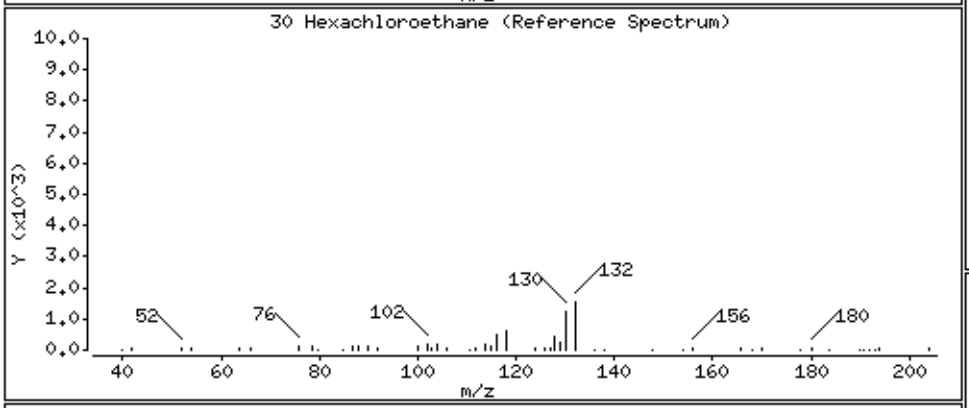
Concentration: 3.5 ug/kg

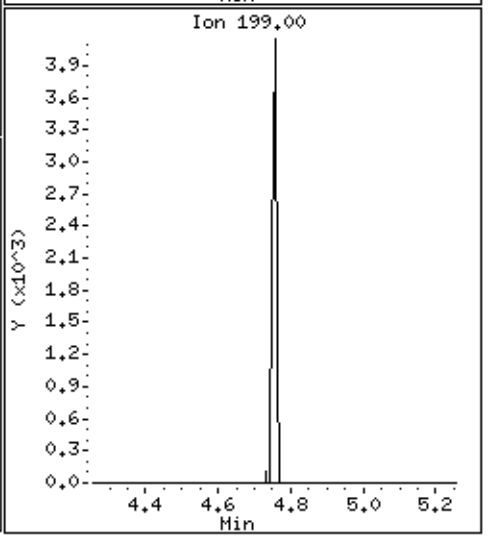


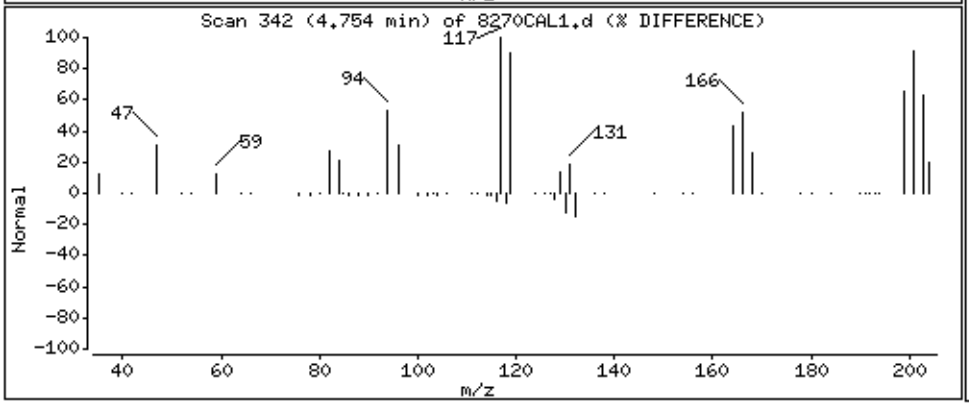












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

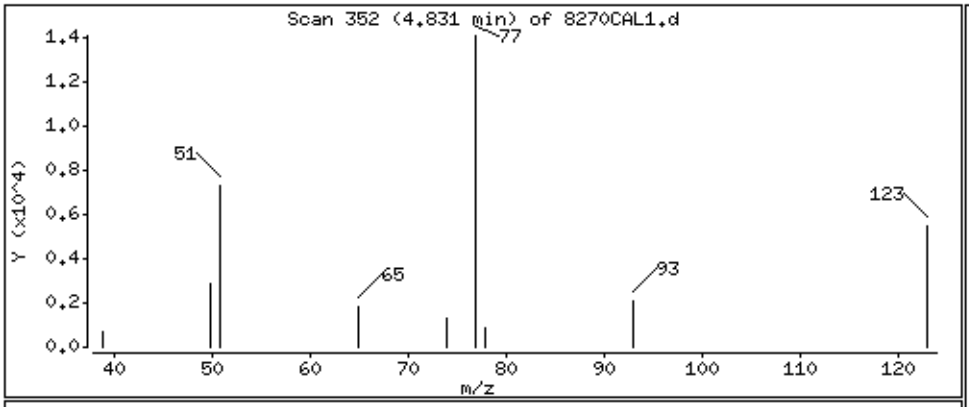
Operator: MJ

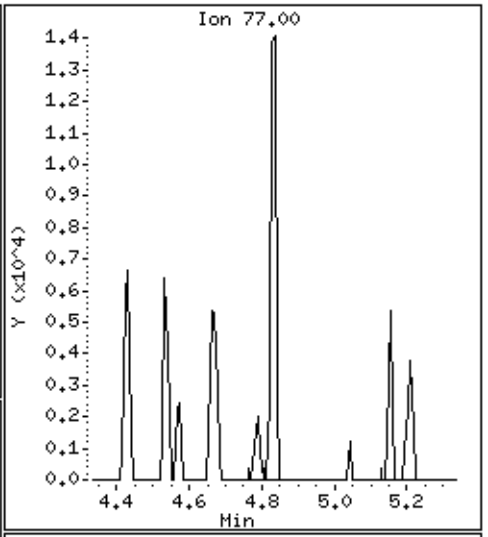
Column phase: HPMS-5

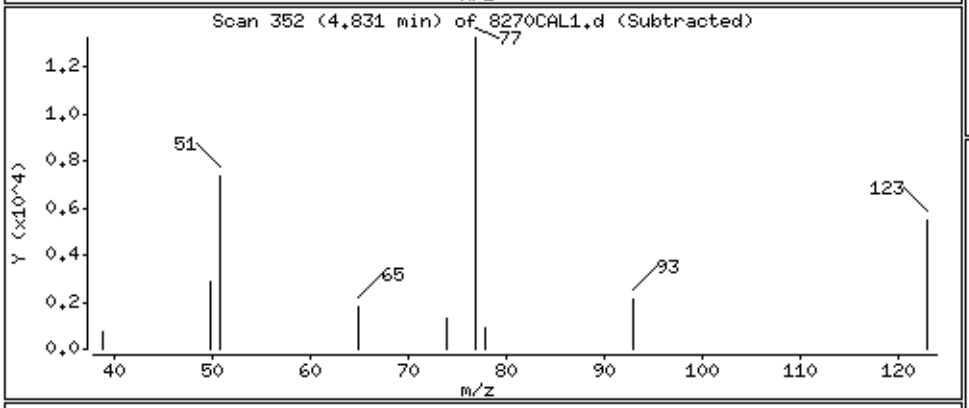
Column diameter: 0.25

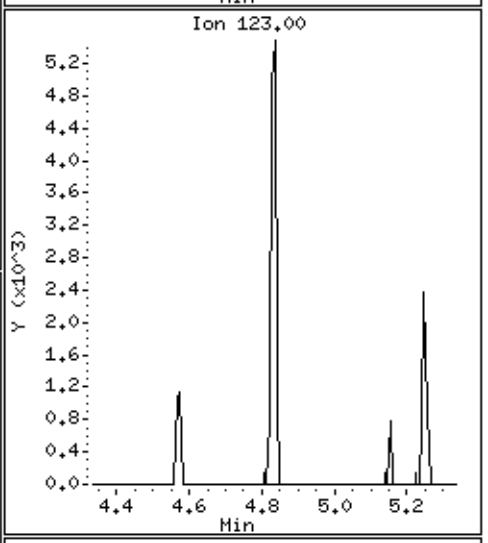
32 Nitrobenzene

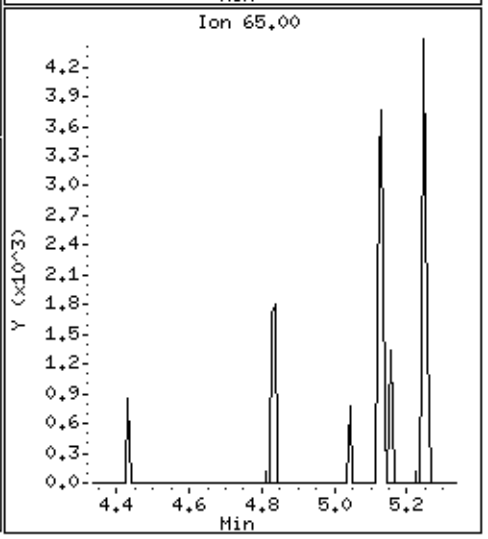
Concentration: 3.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

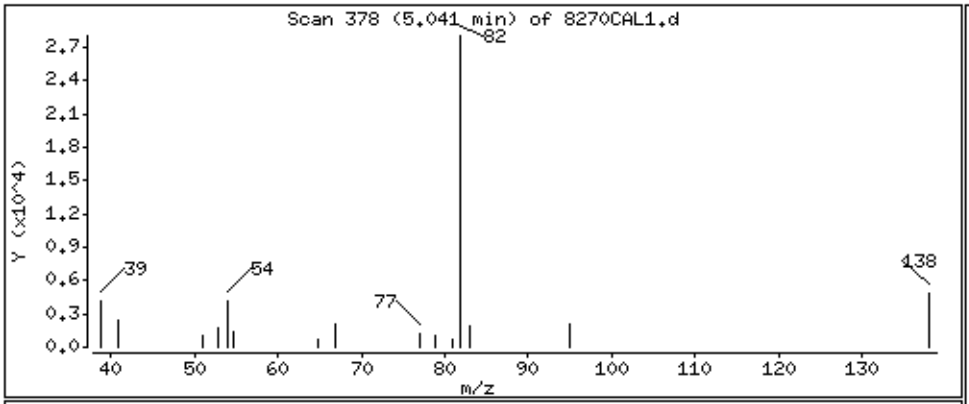
Operator: MJ

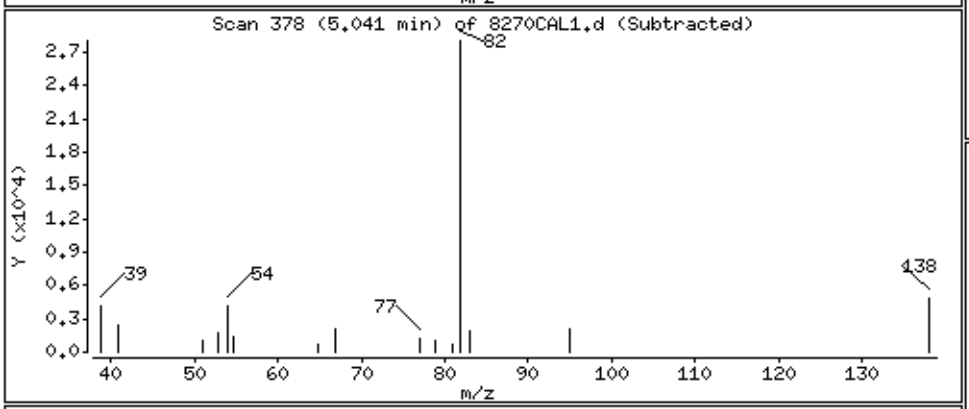
Column phase: HPMS-5

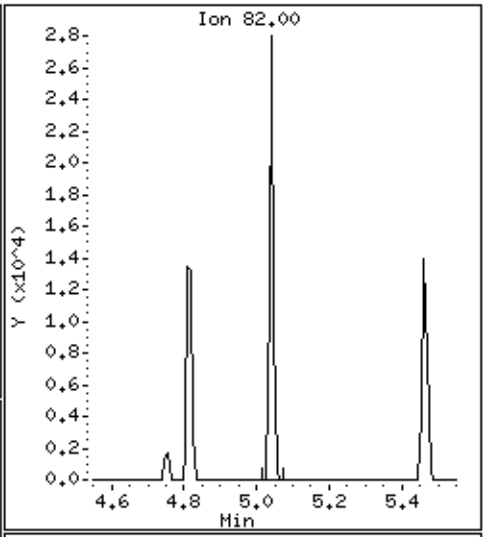
Column diameter: 0.25

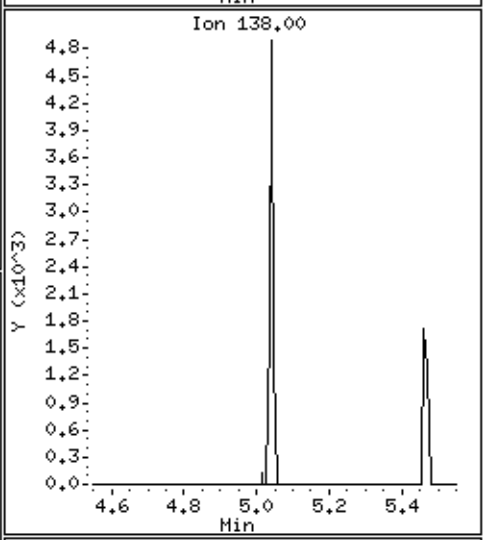
34 Isophorone

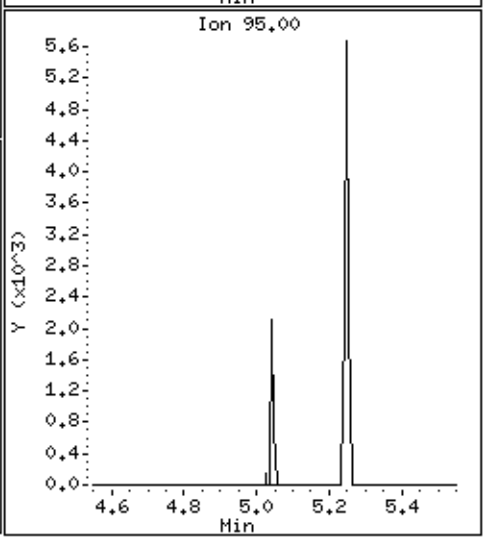
Concentration: 3.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

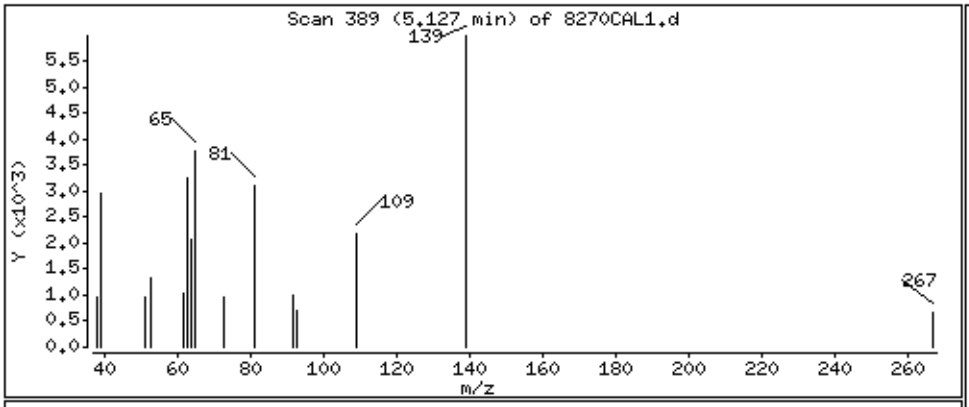
Operator: MJ

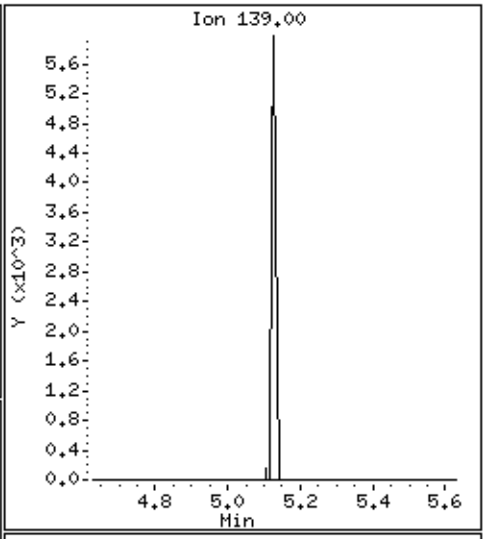
Column phase: HPMS-5

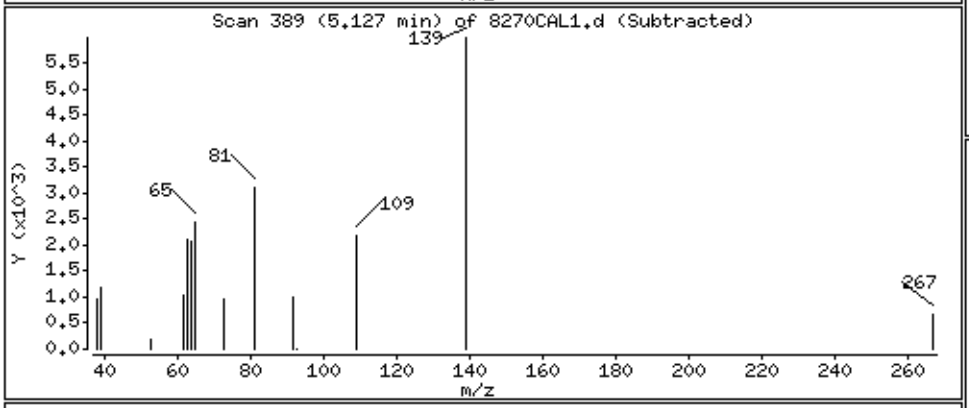
Column diameter: 0.25

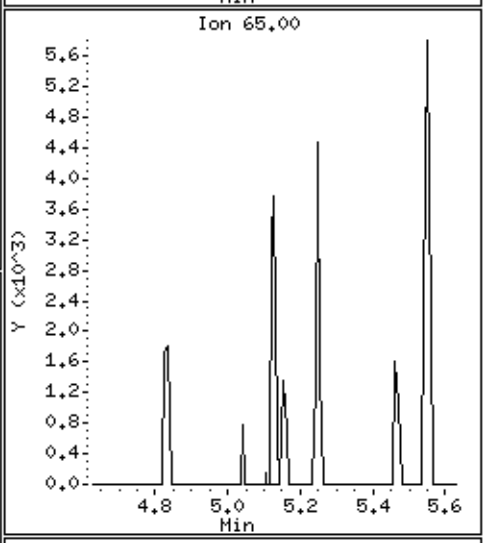
35 2-Nitrophenol

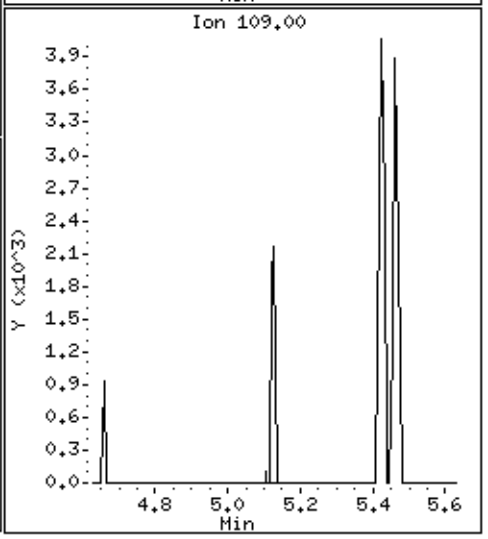
Concentration: 3.4 ug/kg











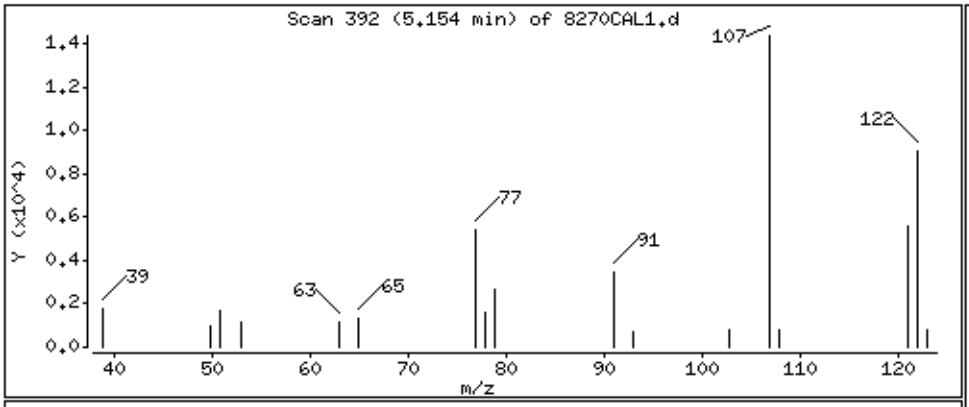
Date : 15-NOV-2012 00:46

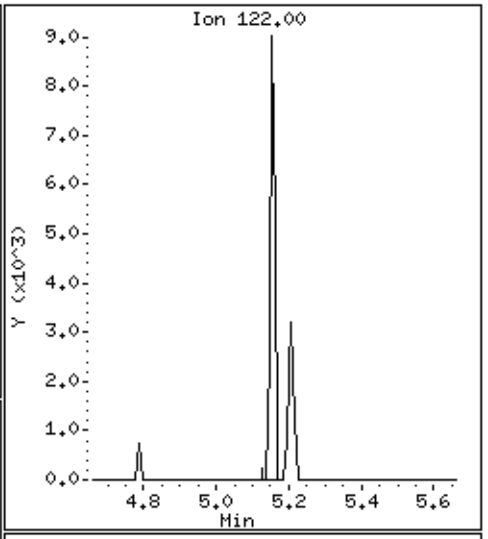
Client ID: 8270CAL1 Instrument: smsd04.i

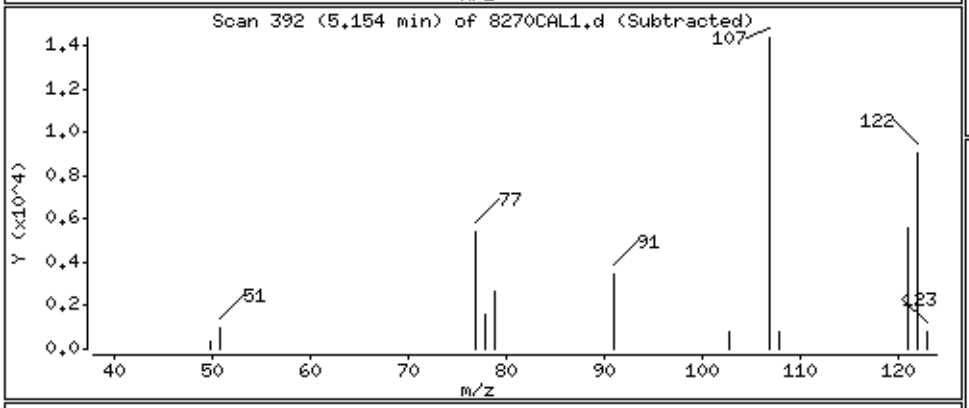
Sample Info: 47769 Operator: MJ

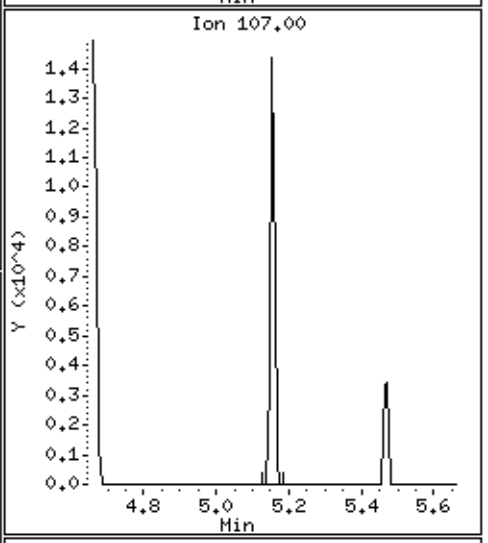
Column phase: HPMS-5 Column diameter: 0.25

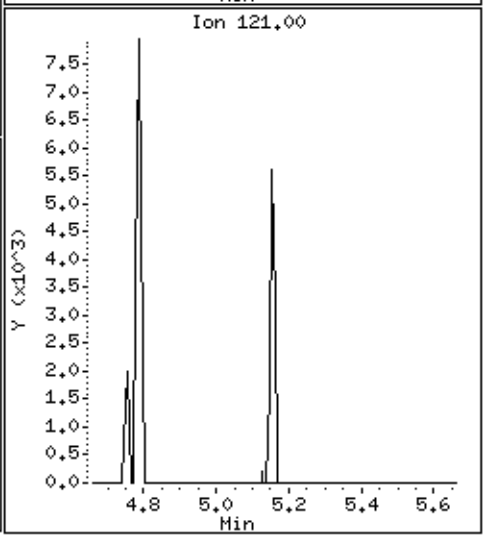
36 2,4-Dimethylphenol Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

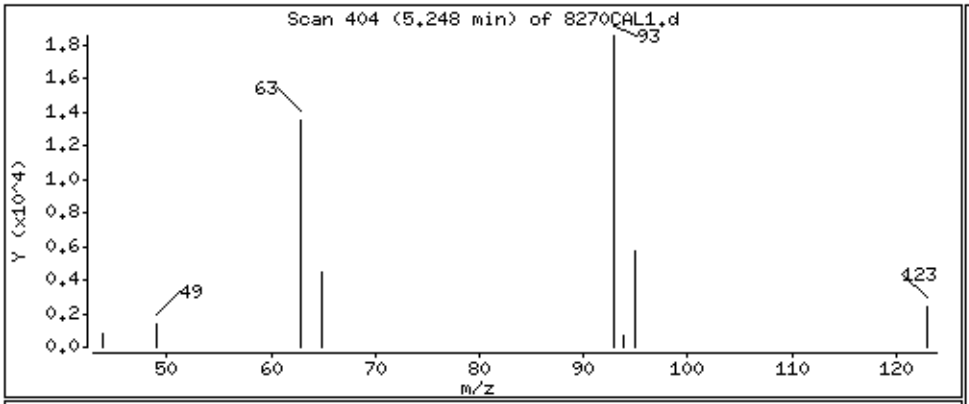
Operator: MJ

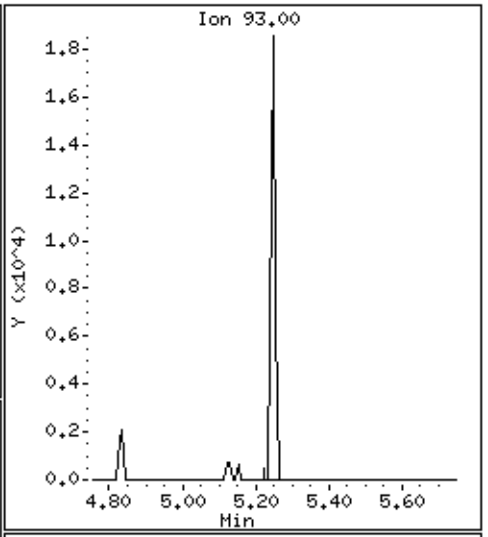
Column phase: HPMS-5

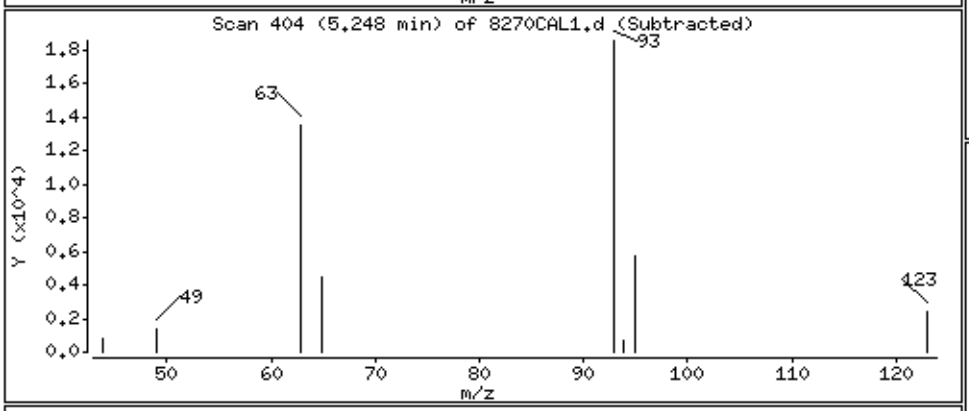
Column diameter: 0.25

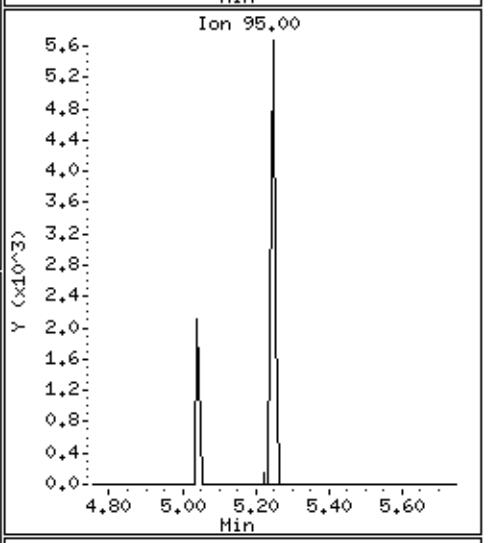
38 Bis(2-Chloroethoxy)methane

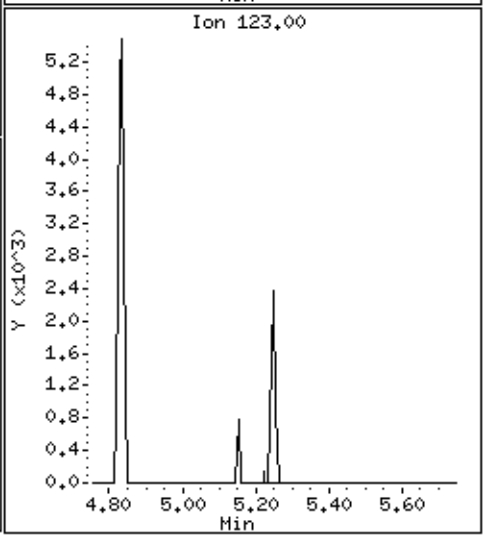
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

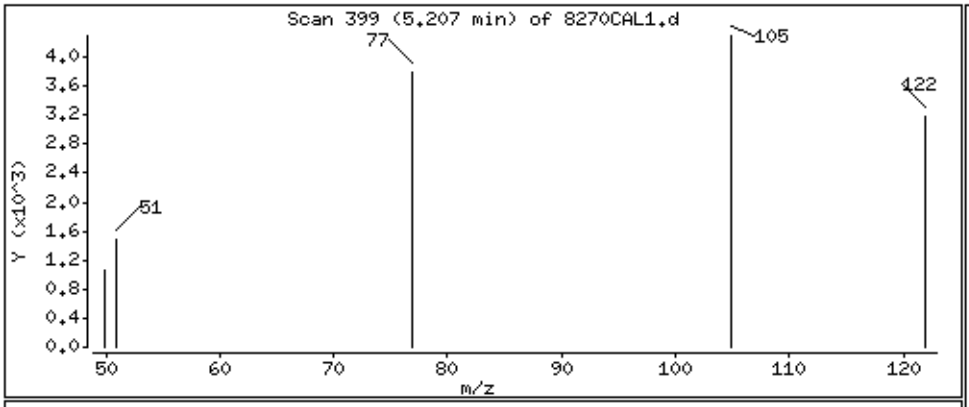
Operator: MJ

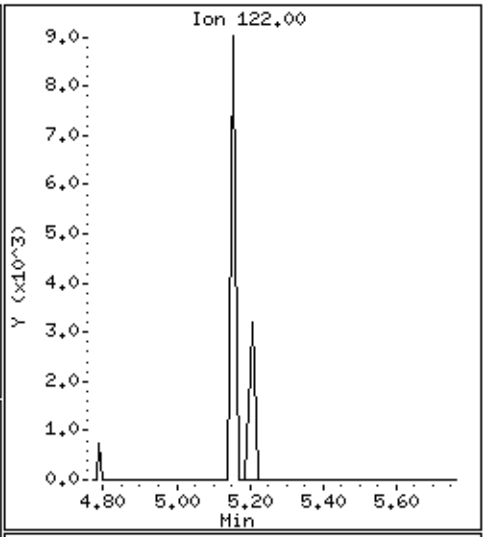
Column phase: HPMS-5

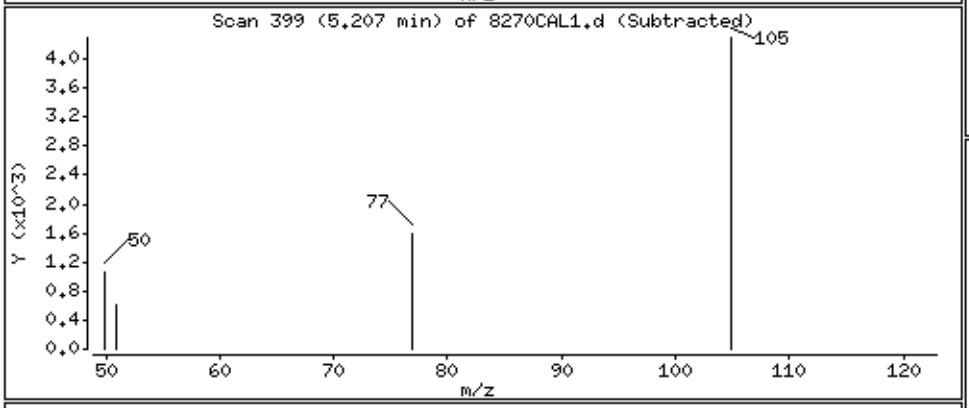
Column diameter: 0.25

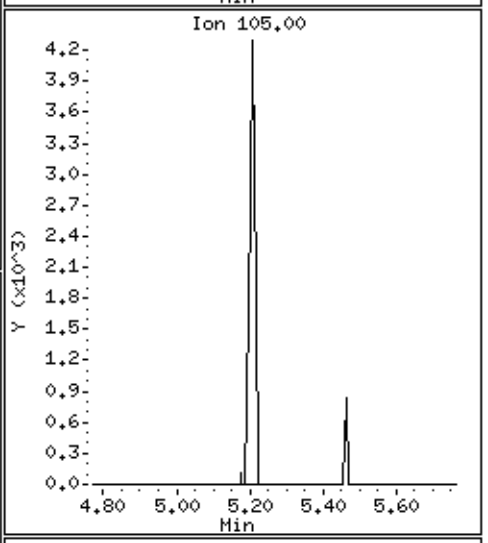
40 Benzoic Acid

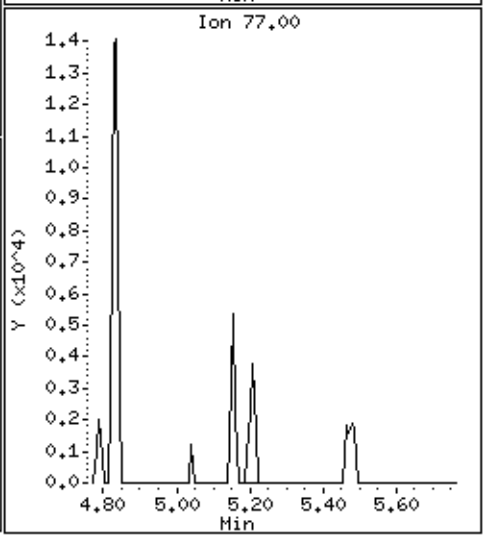
Concentration: 6.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

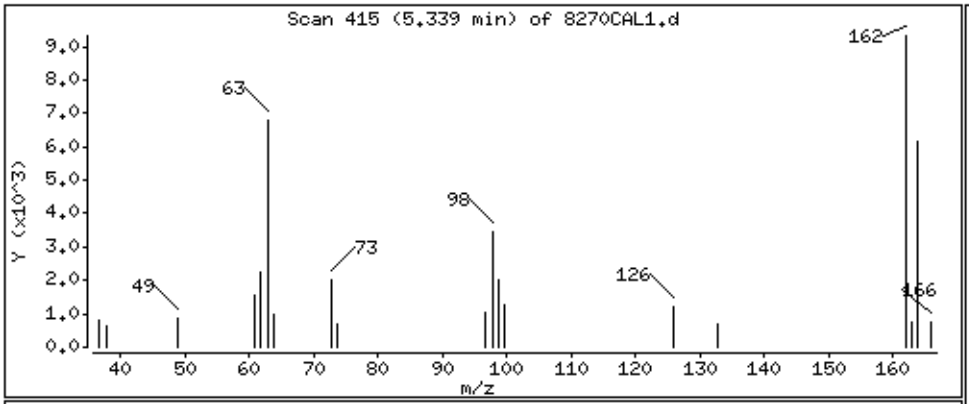
Operator: MJ

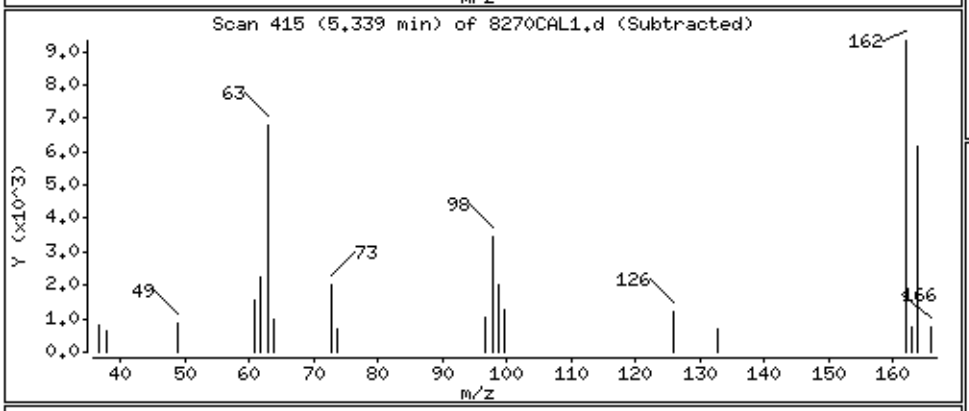
Column phase: HPMS-5

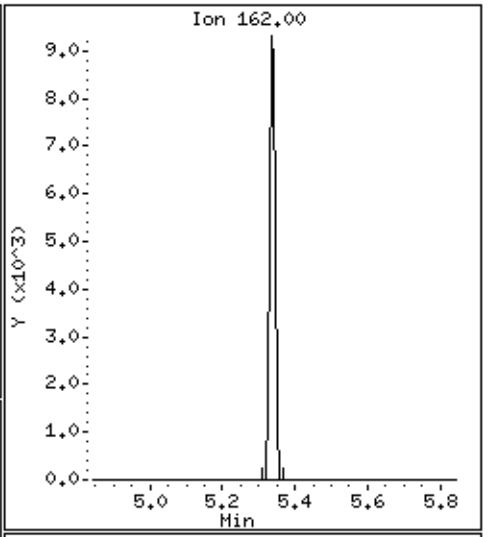
Column diameter: 0.25

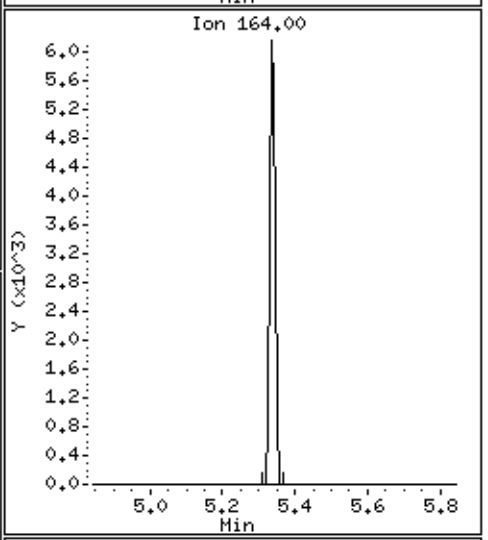
41 2,4-Dichlorophenol

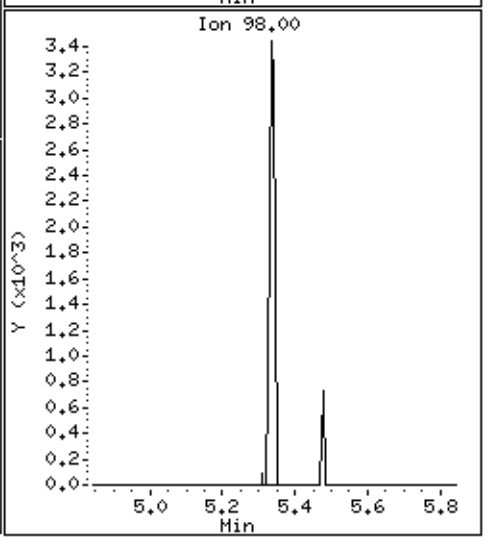
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

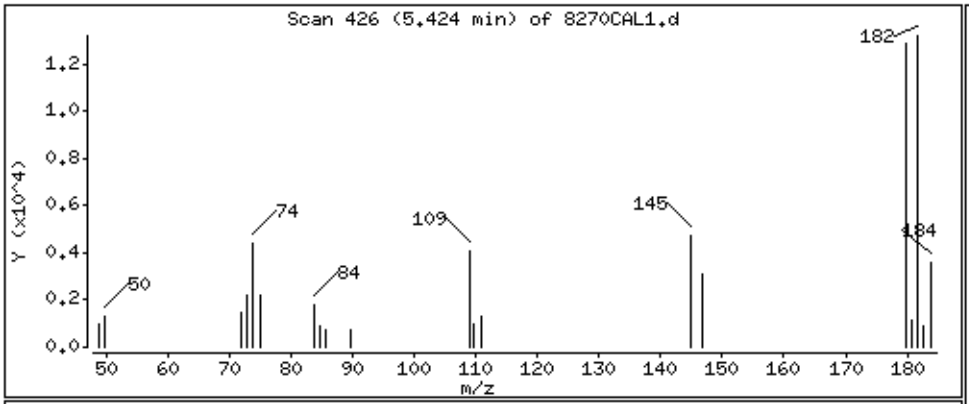
Operator: MJ

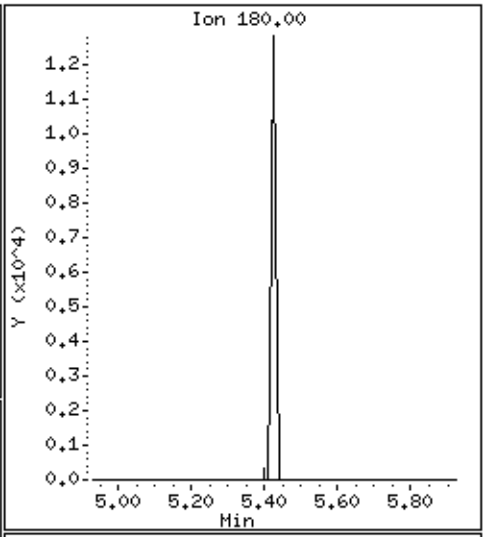
Column phase: HPMS-5

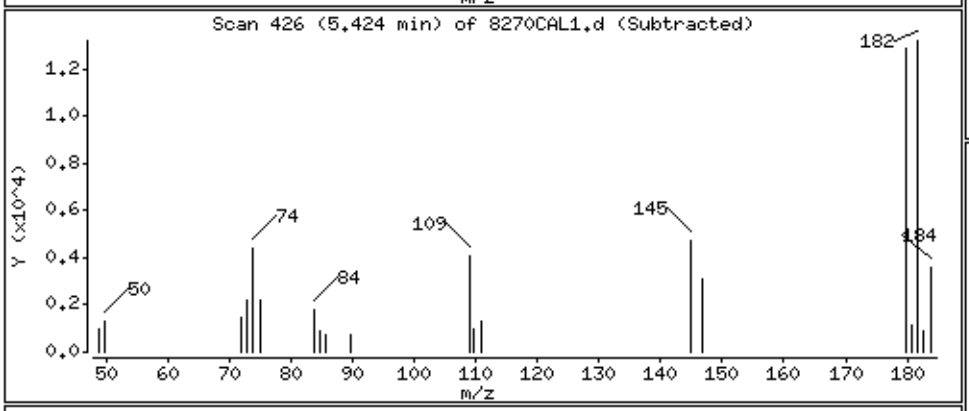
Column diameter: 0.25

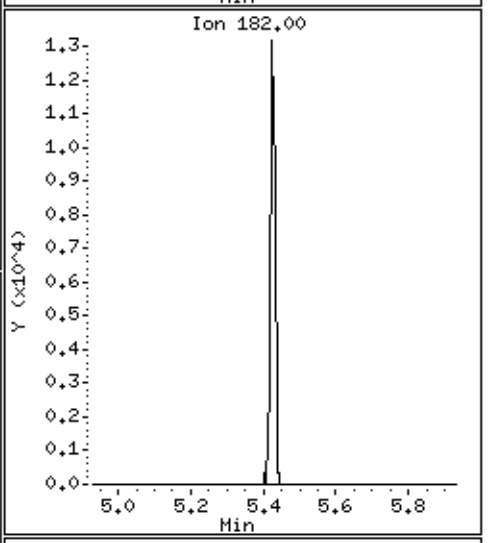
42 1,2,4-Trichlorobenzene

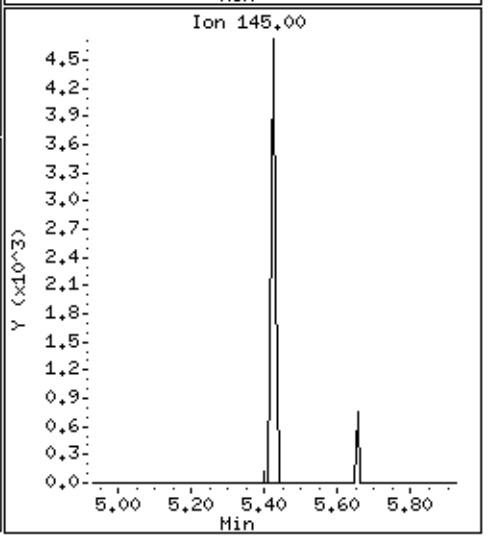
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

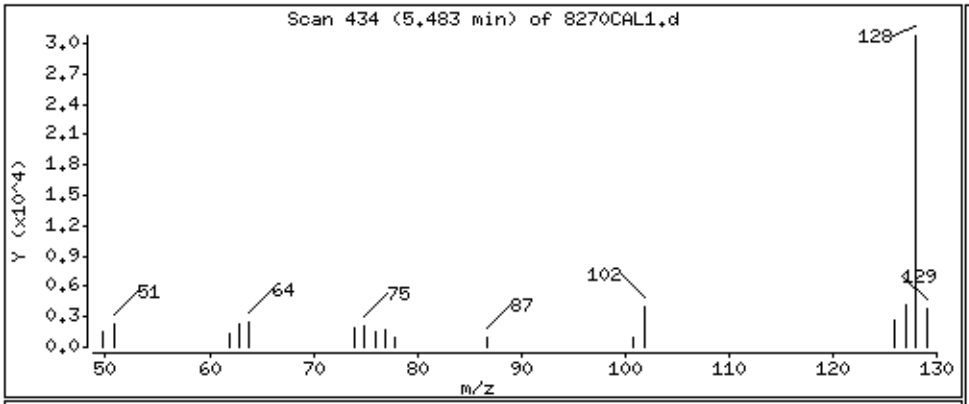
Operator: MJ

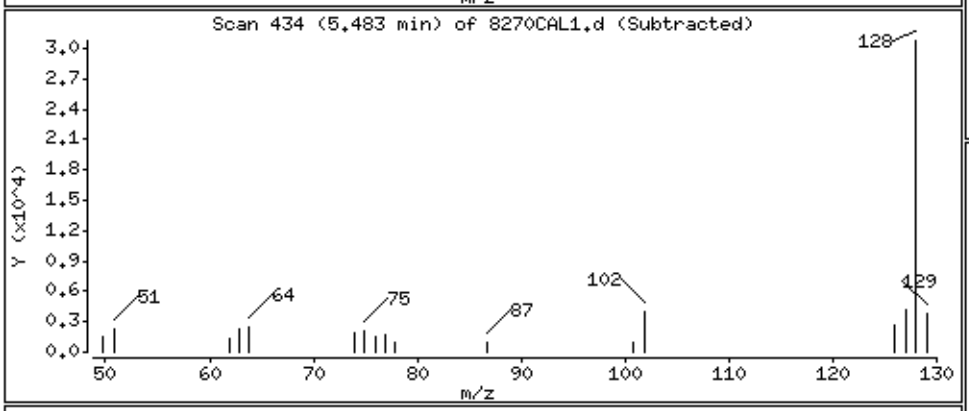
Column phase: HPMS-5

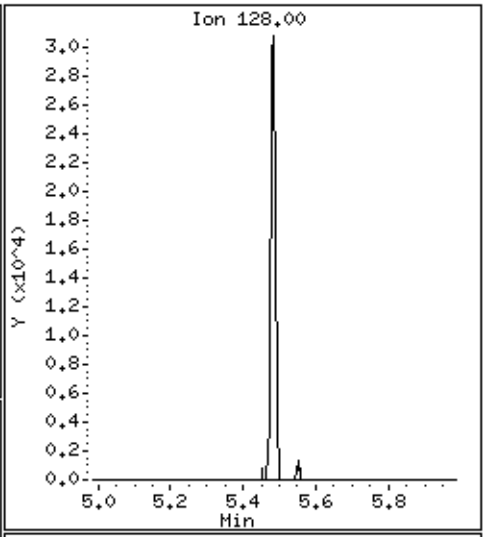
Column diameter: 0.25

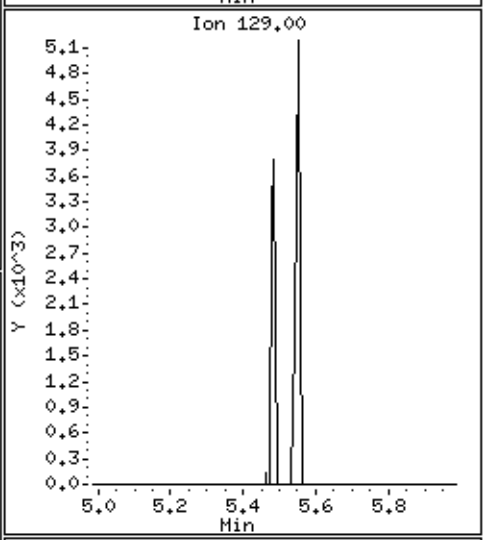
44 Naphthalene

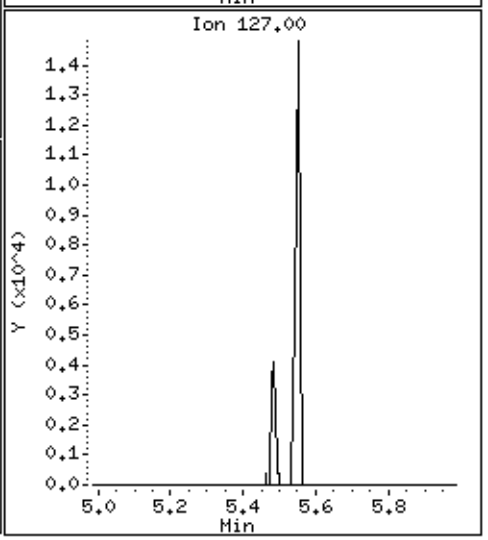
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

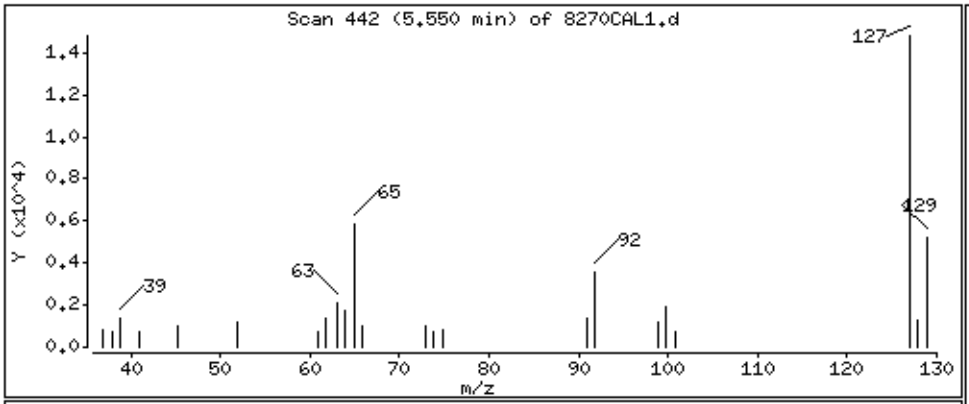
Operator: MJ

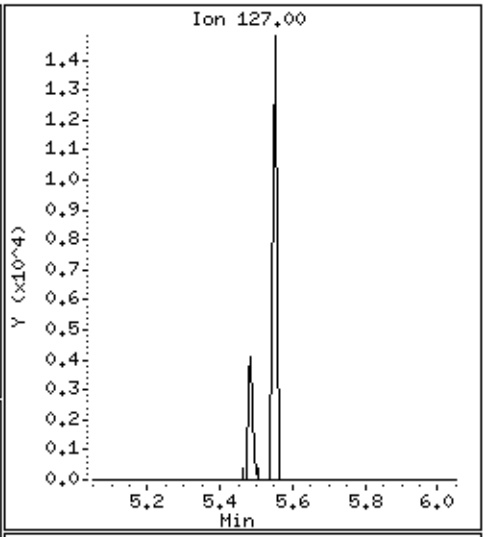
Column phase: HPMS-5

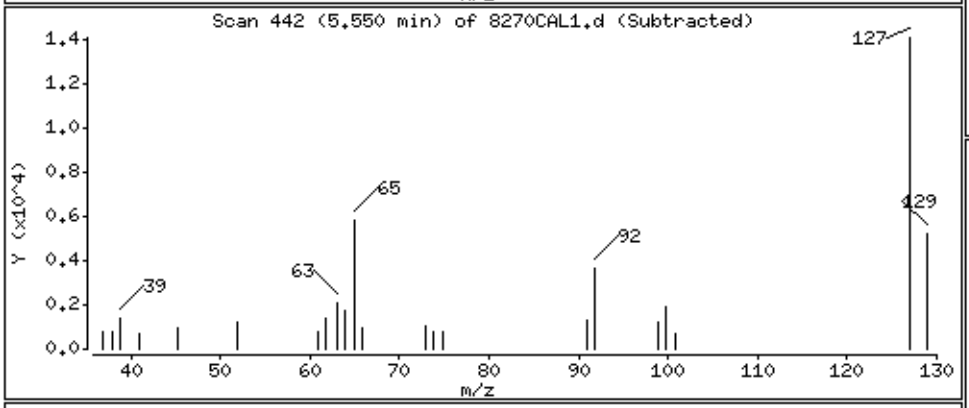
Column diameter: 0.25

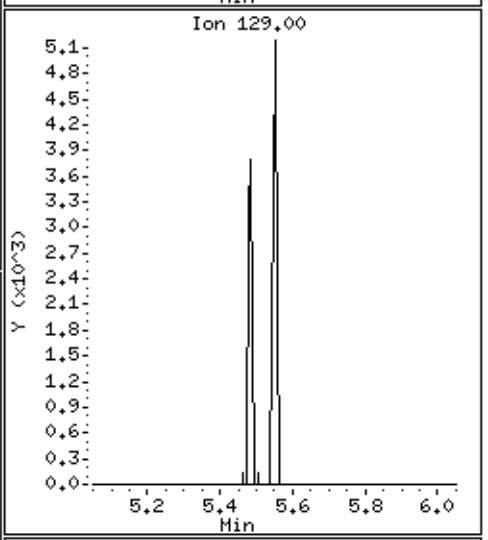
45 4-Chloroaniline

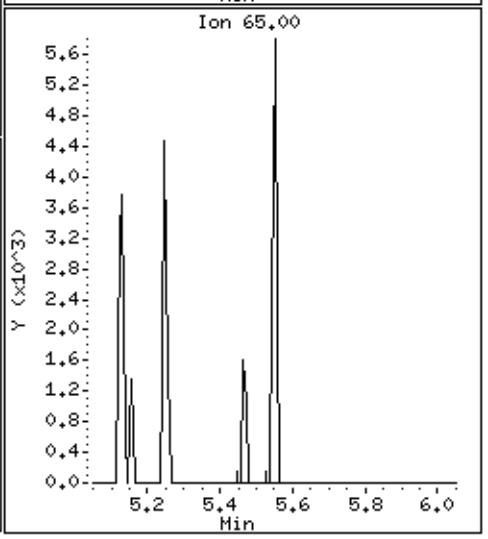
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

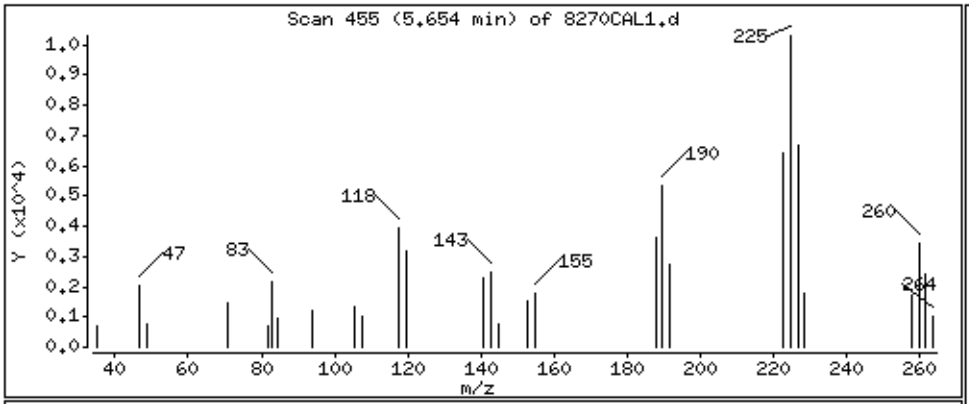
Operator: MJ

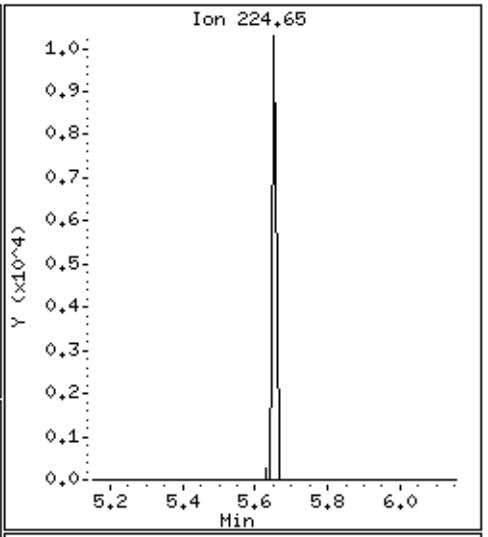
Column phase: HPMS-5

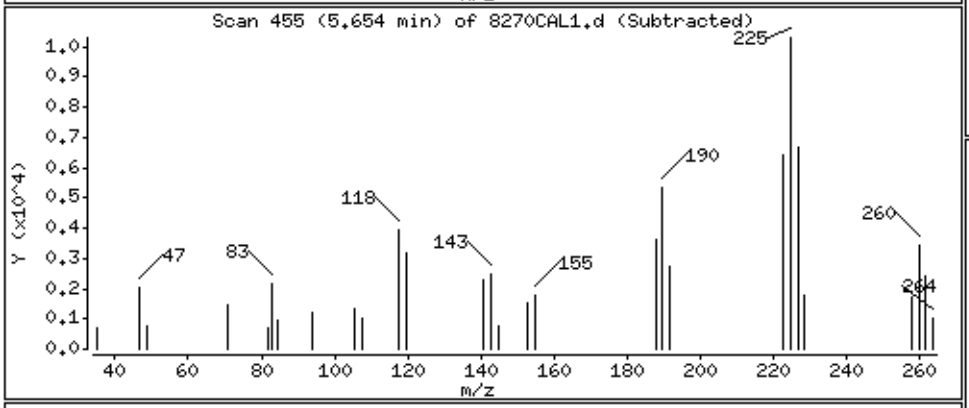
Column diameter: 0.25

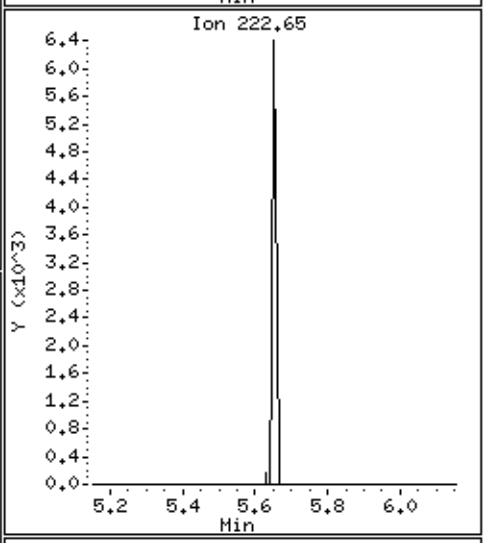
48 Hexachlorobutadiene

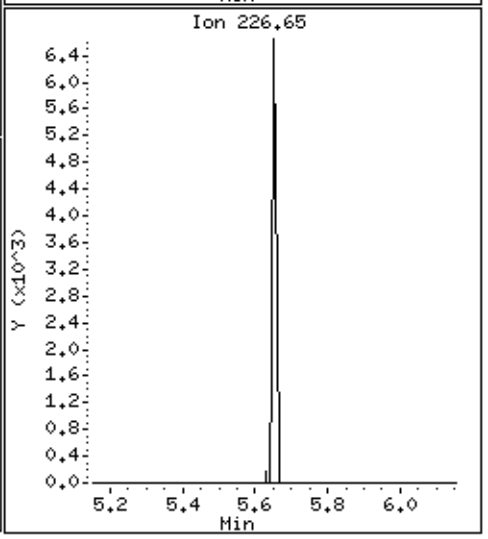
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

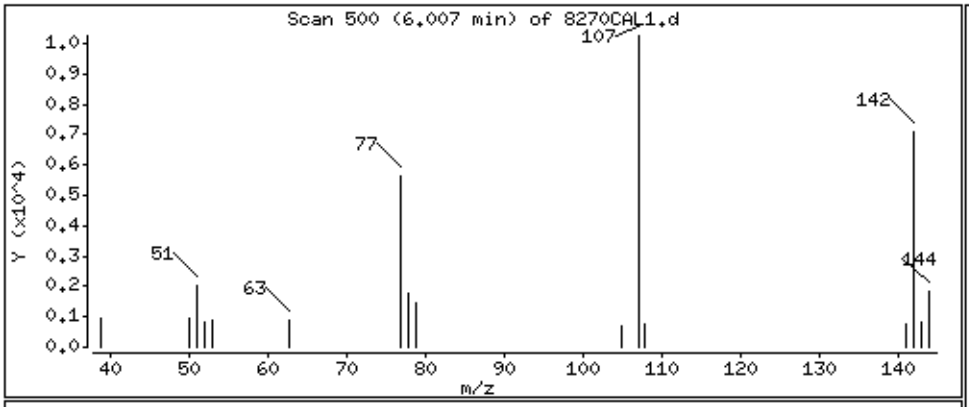
Operator: MJ

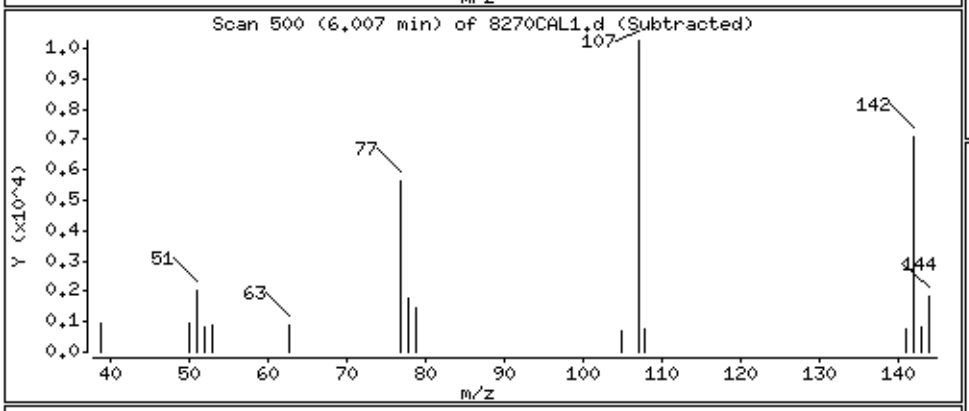
Column phase: HPMS-5

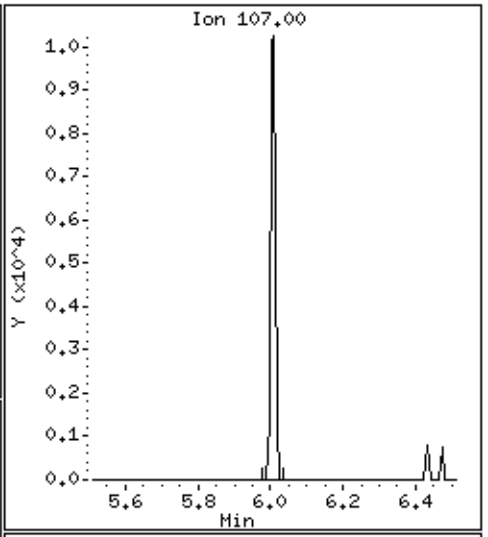
Column diameter: 0.25

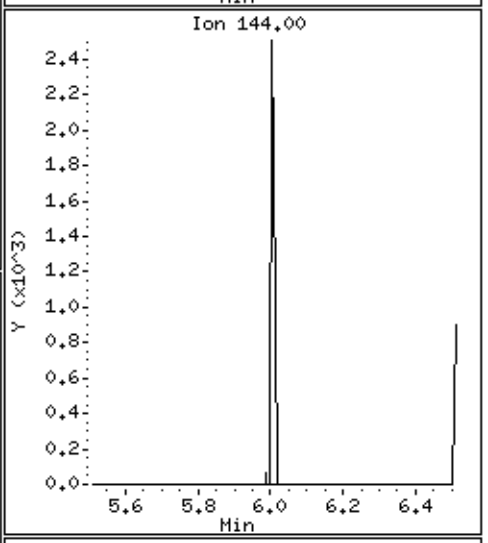
51 4-Chloro-3-methylphenol

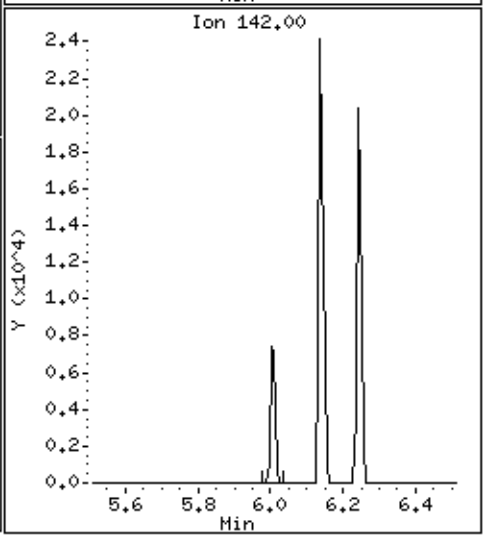
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

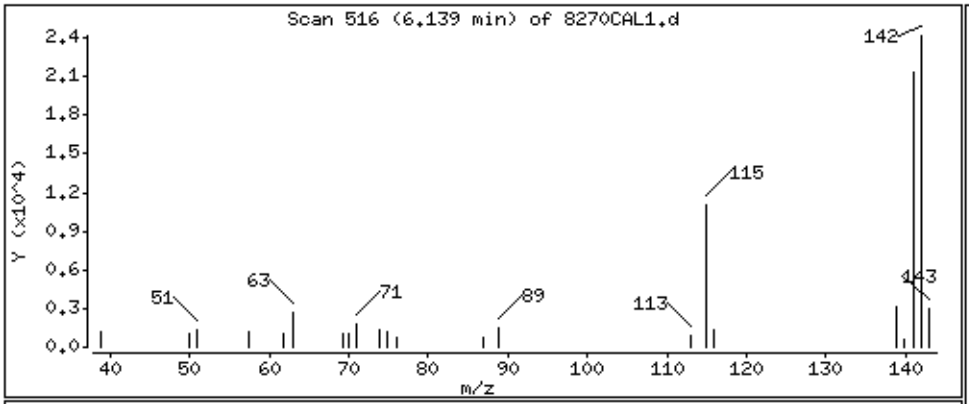
Operator: MJ

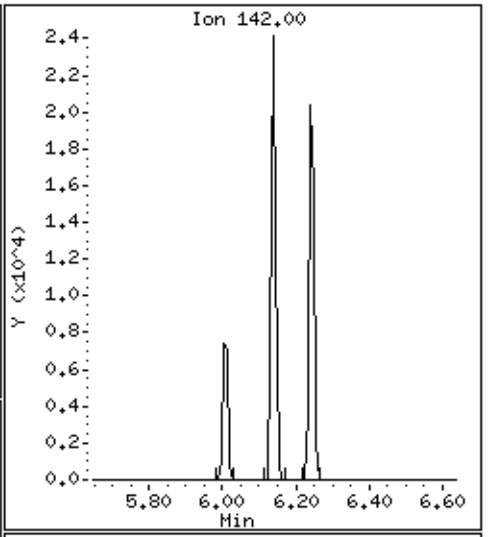
Column phase: HPMS-5

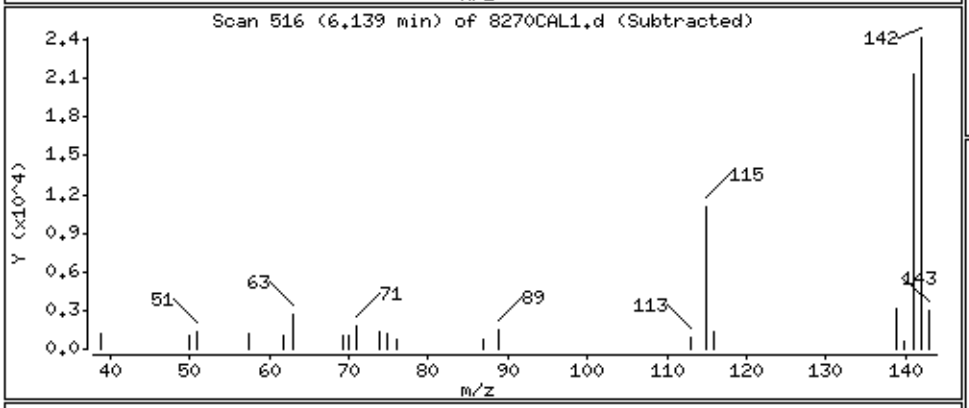
Column diameter: 0.25

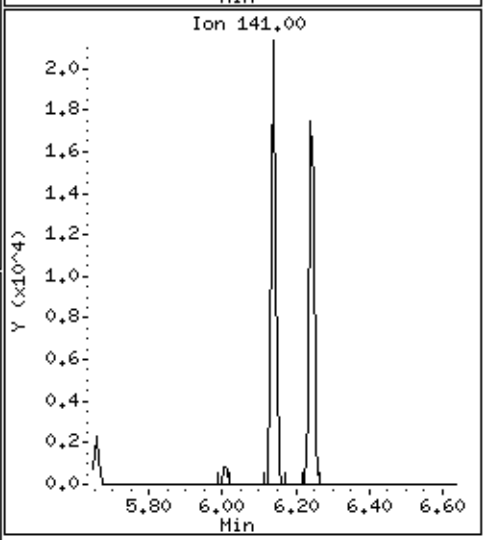
53 2-Methylnaphthalene

Concentration: 3.6 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

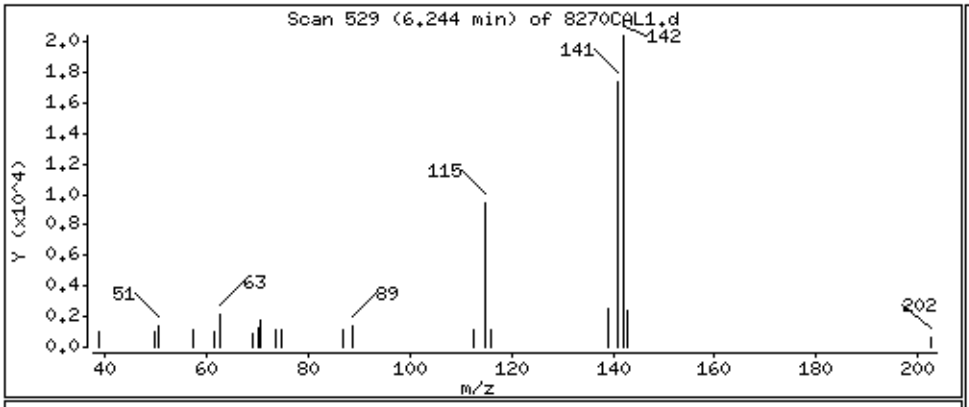
Operator: MJ

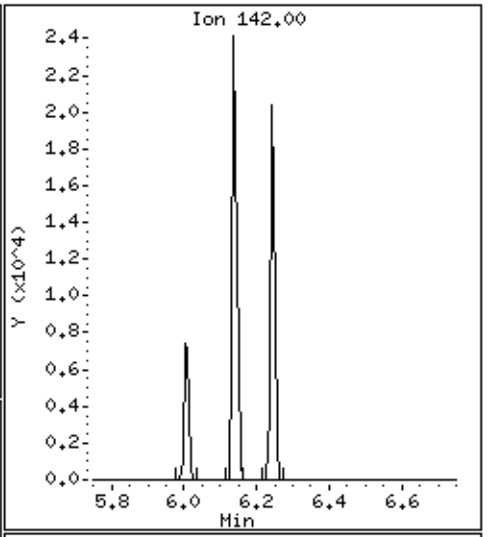
Column phase: HPMS-5

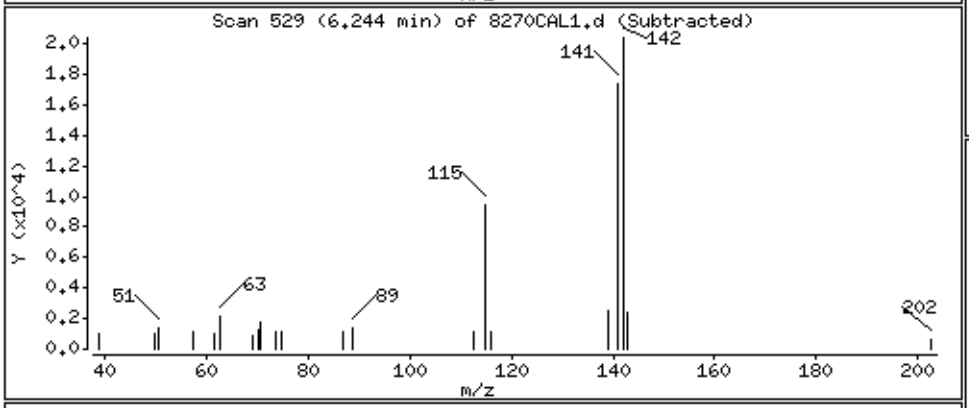
Column diameter: 0.25

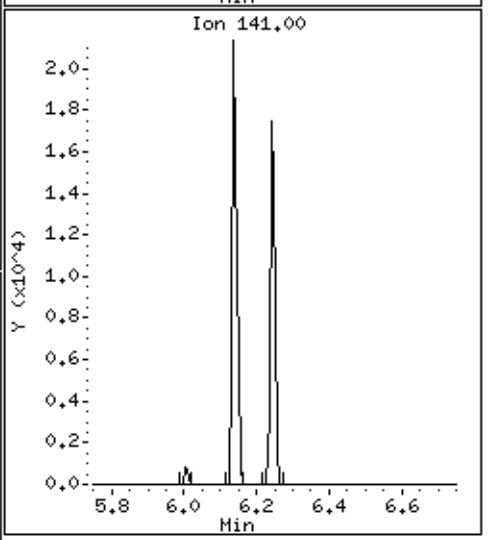
54 1-Methylnaphthalene

Concentration: 3.8 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

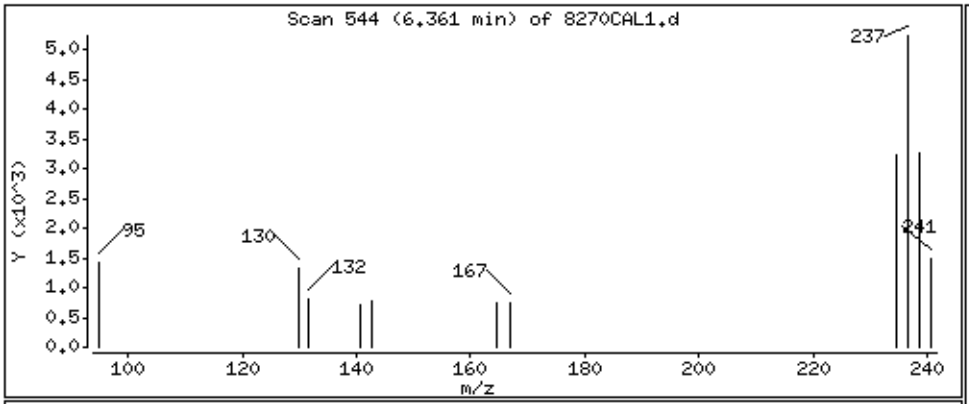
Operator: MJ

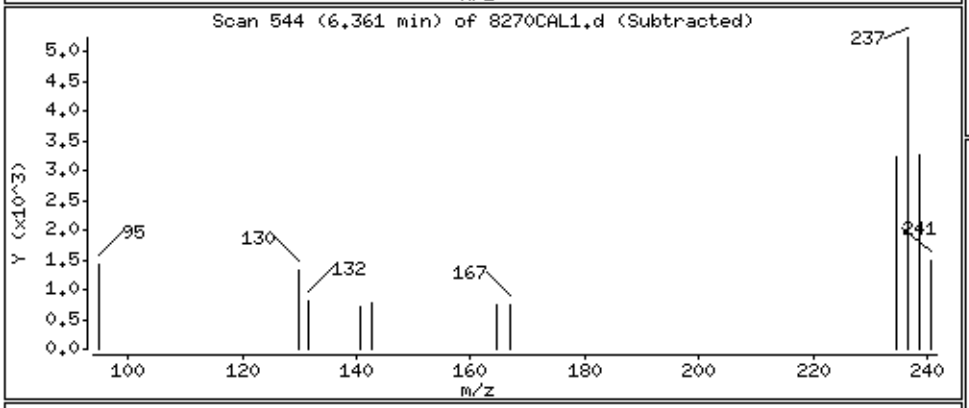
Column phase: HPMS-5

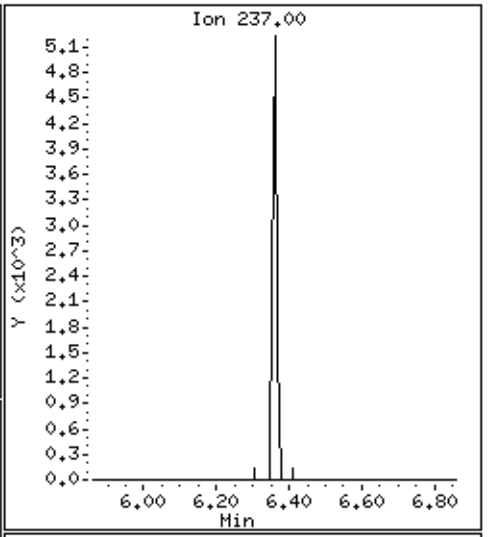
Column diameter: 0.25

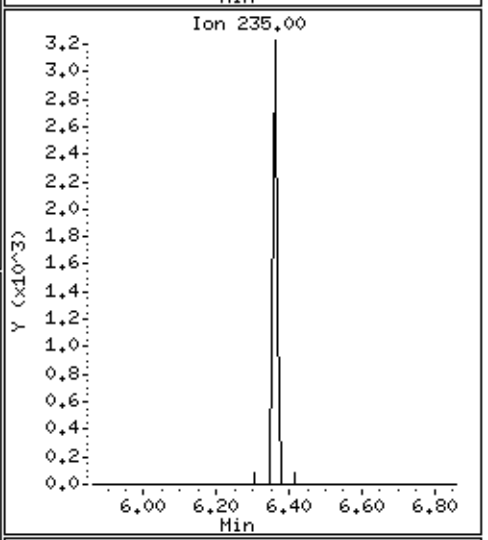
55 Hexachlorocyclopentadiene

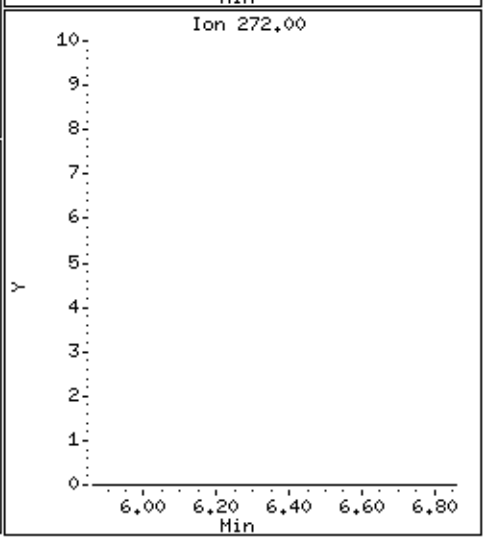
Concentration: 7.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

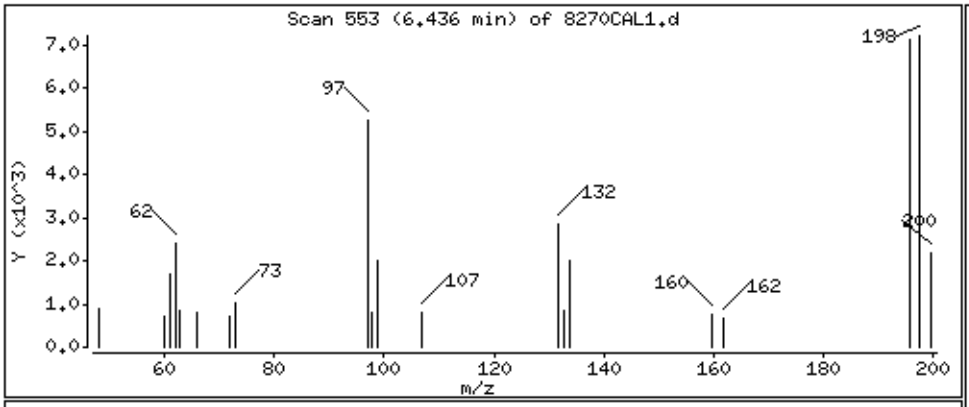
Operator: MJ

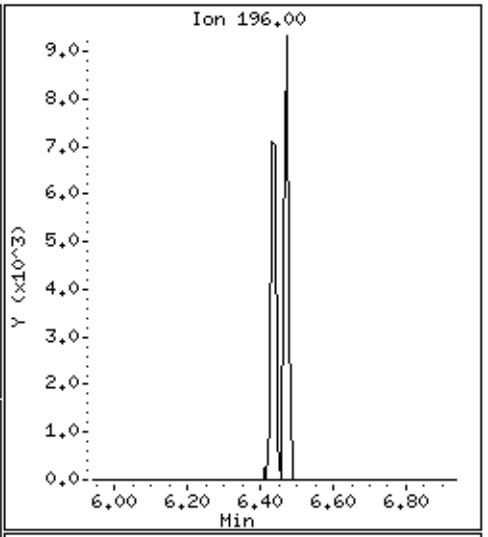
Column phase: HPMS-5

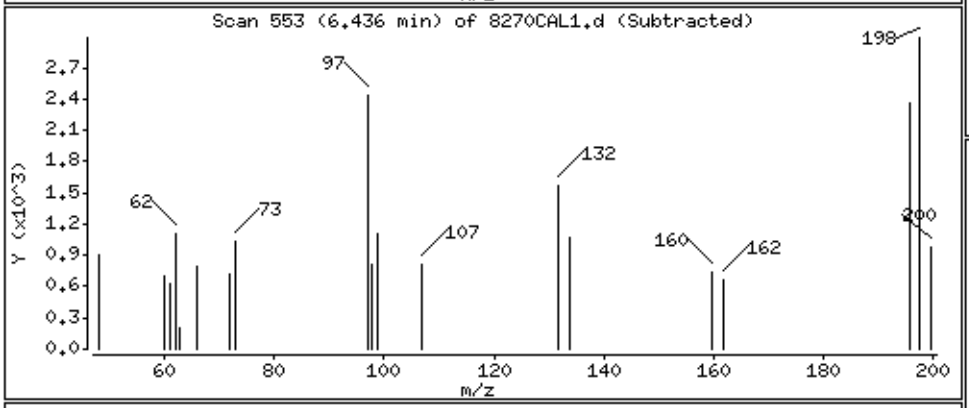
Column diameter: 0.25

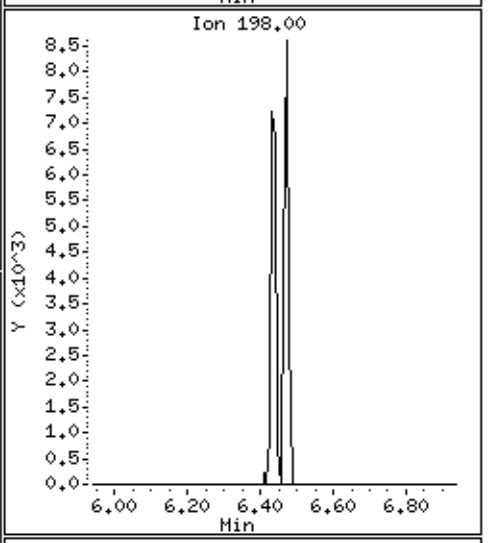
57 2,4,6-Trichlorophenol

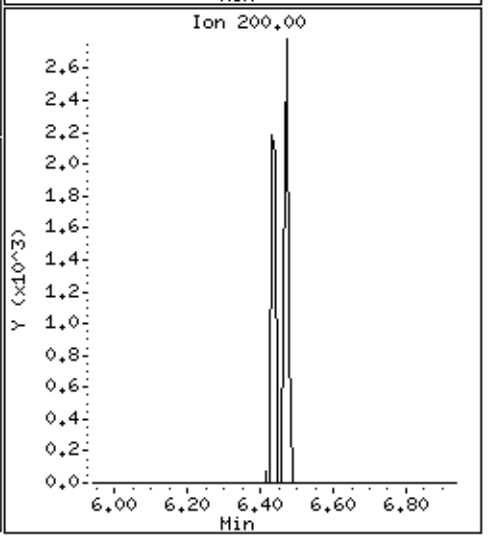
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

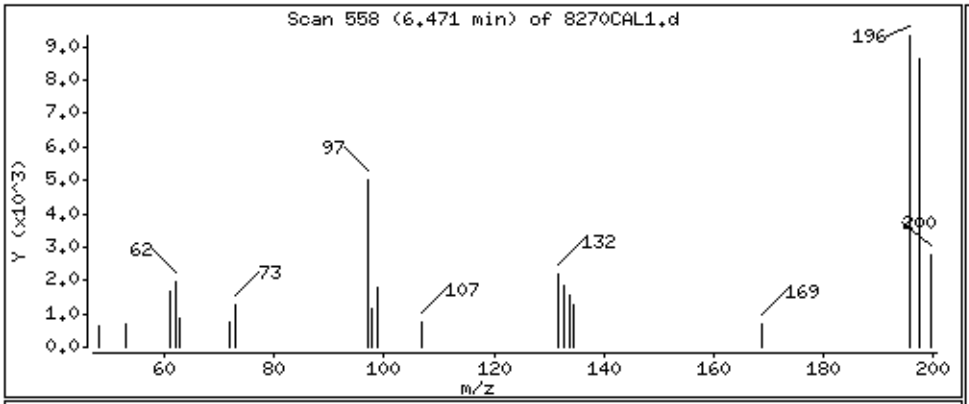
Operator: MJ

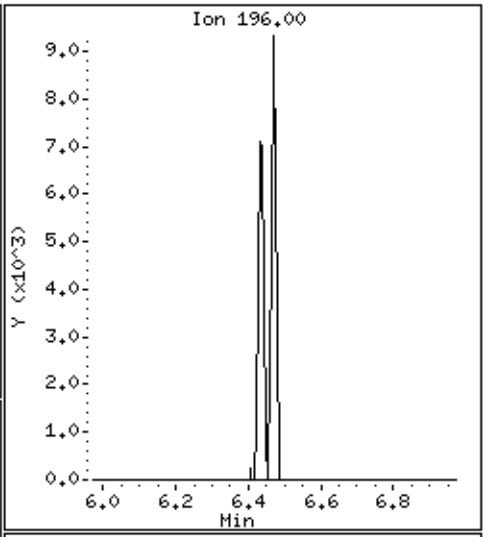
Column phase: HPMS-5

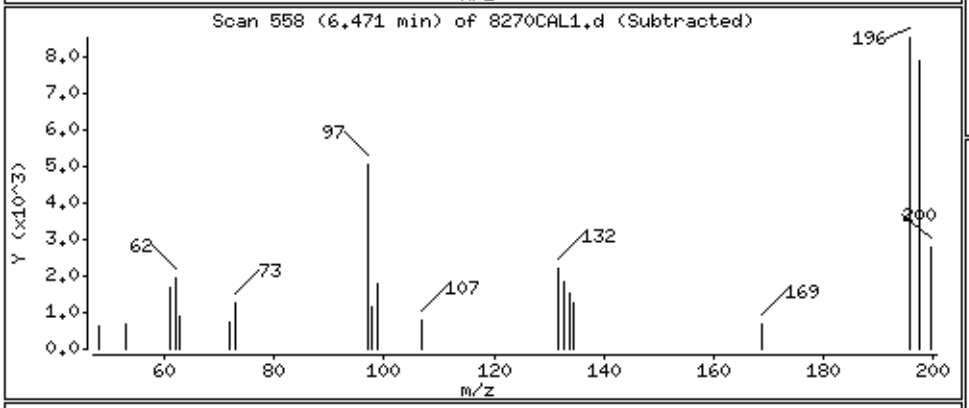
Column diameter: 0.25

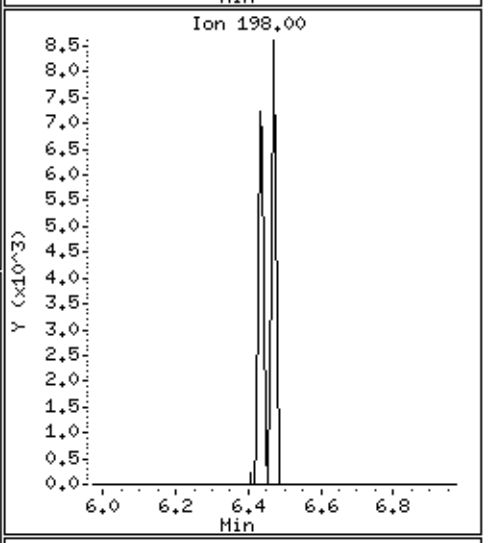
58 2,4,5-Trichlorophenol

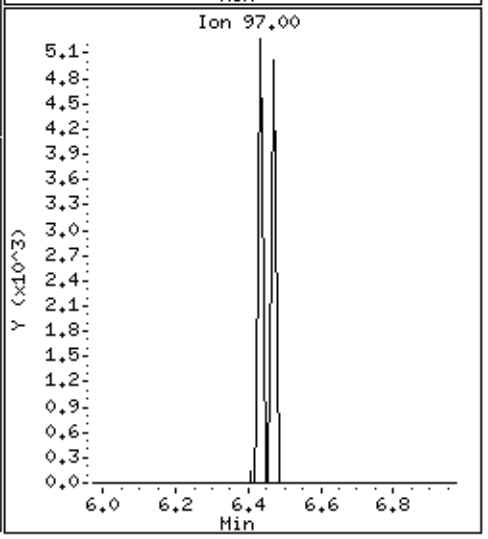
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

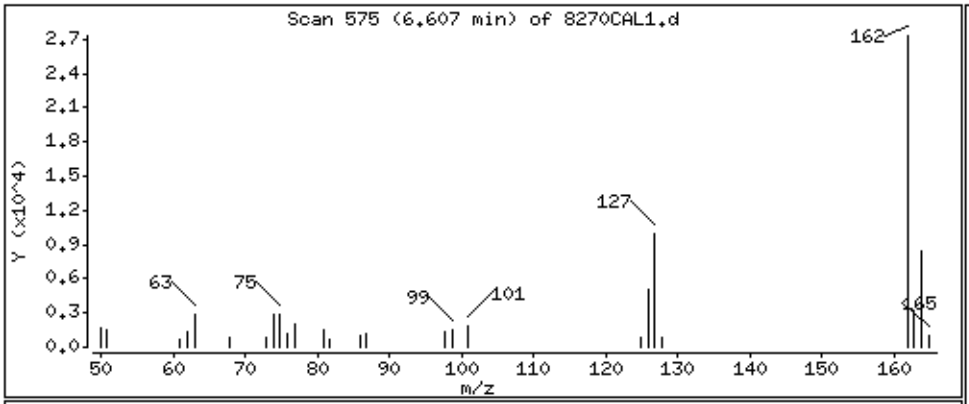
Operator: MJ

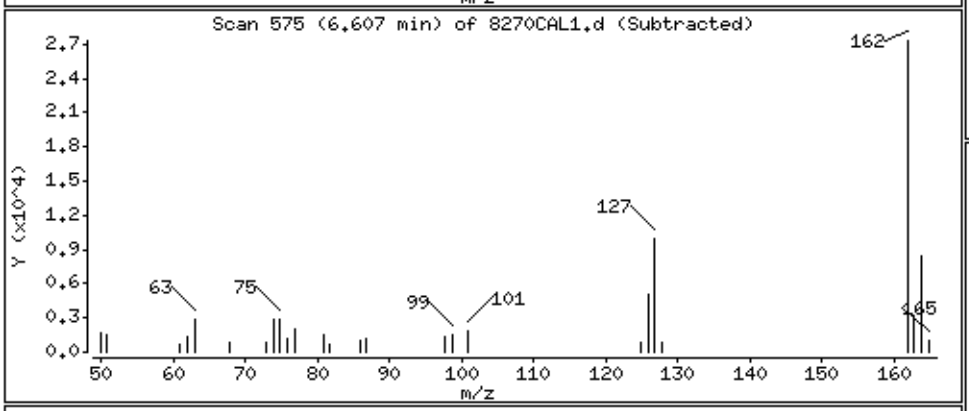
Column phase: HPMS-5

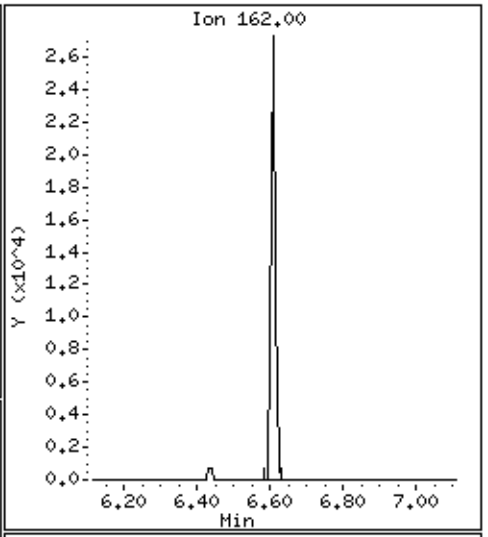
Column diameter: 0.25

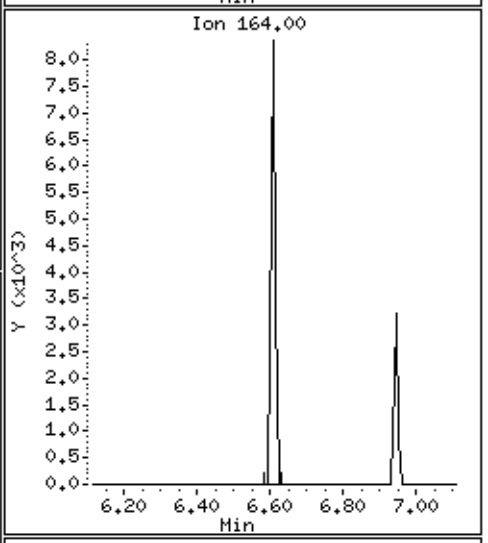
62 2-Chloronaphthalene

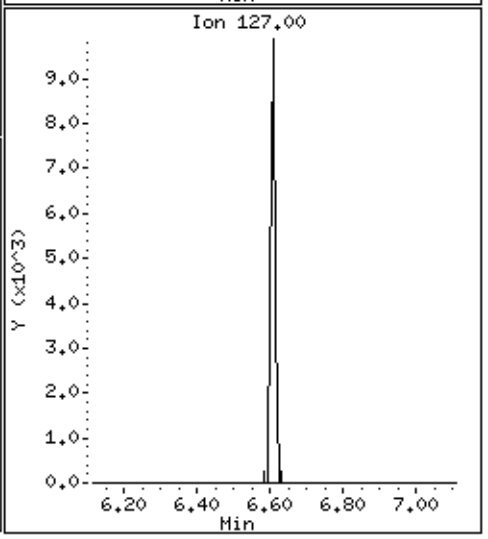
Concentration: 3.8 ug/kg











Date : 15-NOV-2012 00:46

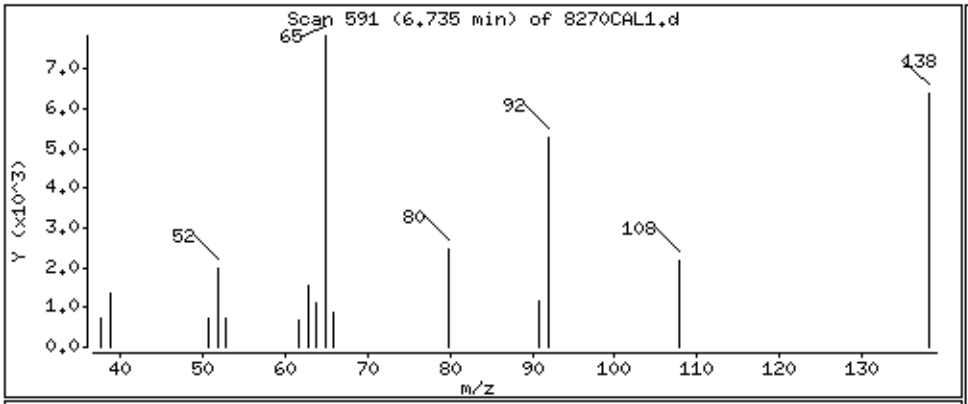
Client ID: 8270CAL1 Instrument: smsd04.i

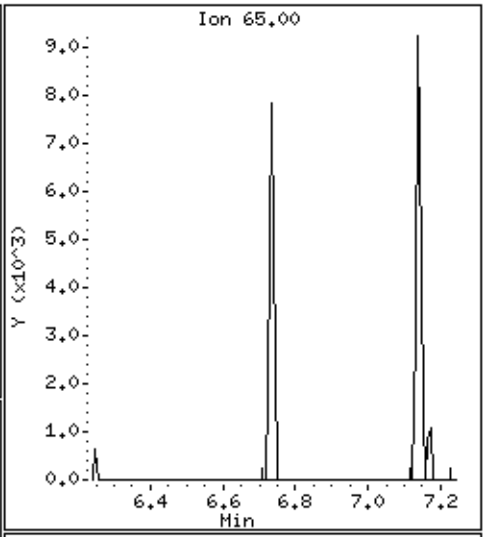
Sample Info: 47769

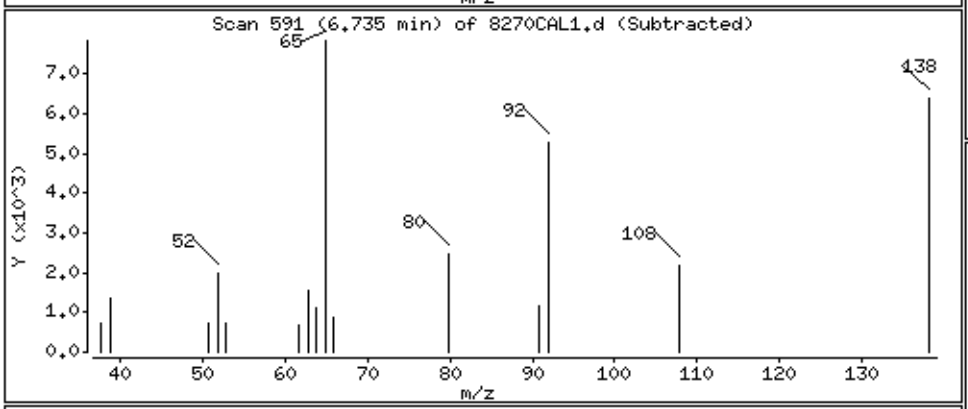
Operator: MJ

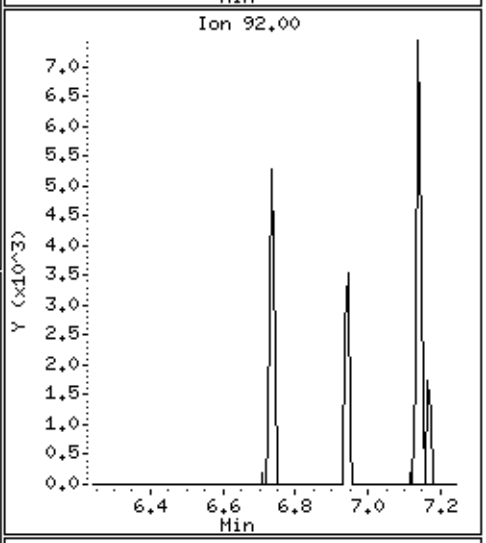
Column phase: HPMS-5 Column diameter: 0.25

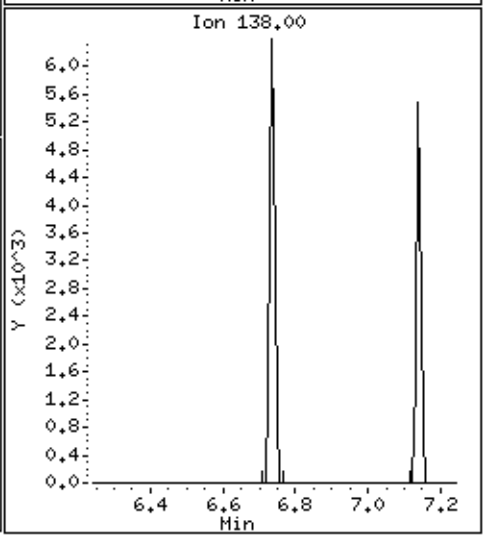
63 2-Nitroaniline Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

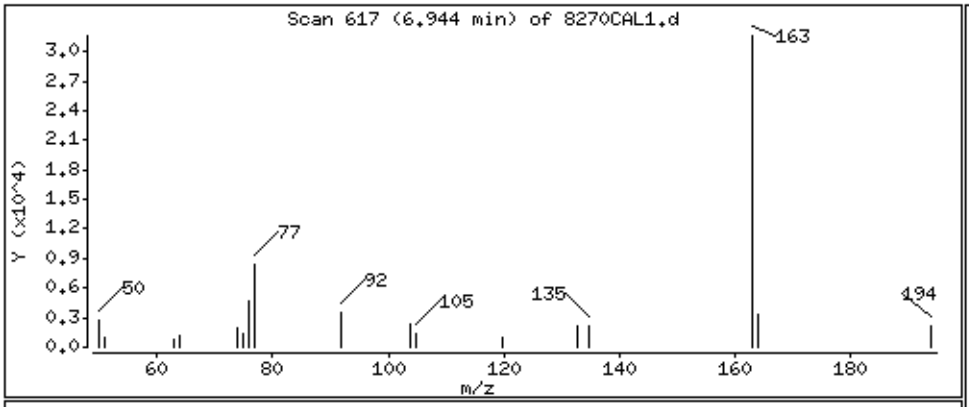
Operator: MJ

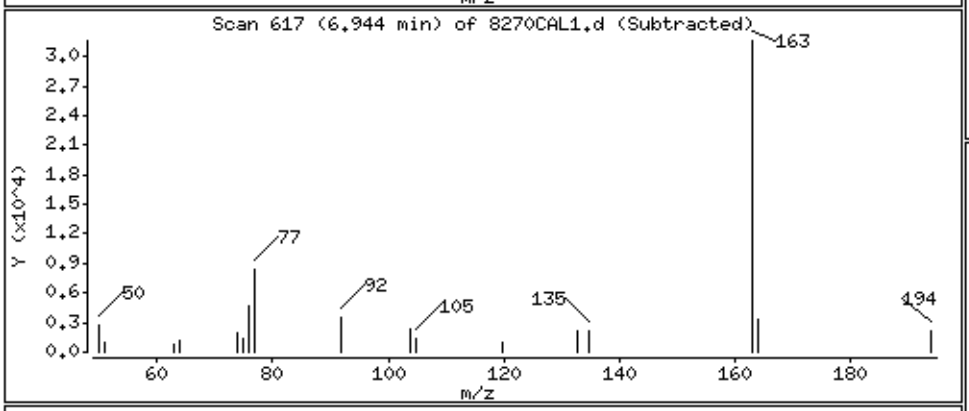
Column phase: HPMS-5

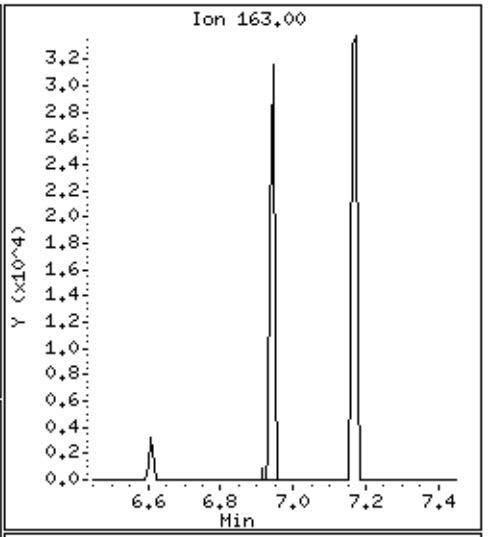
Column diameter: 0.25

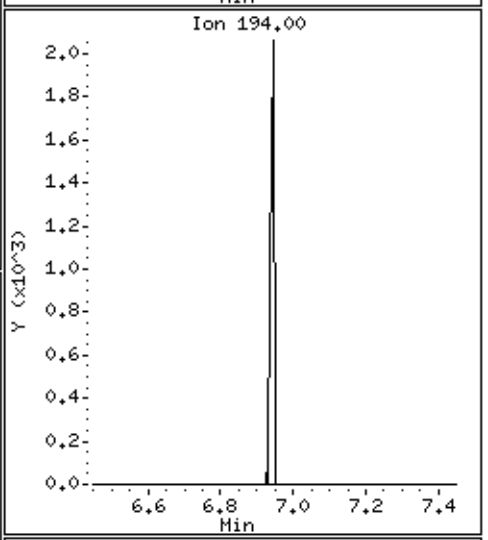
65 Dimethylphthalate

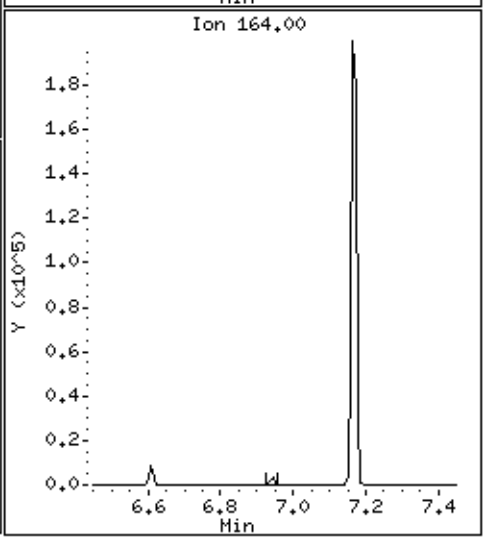
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

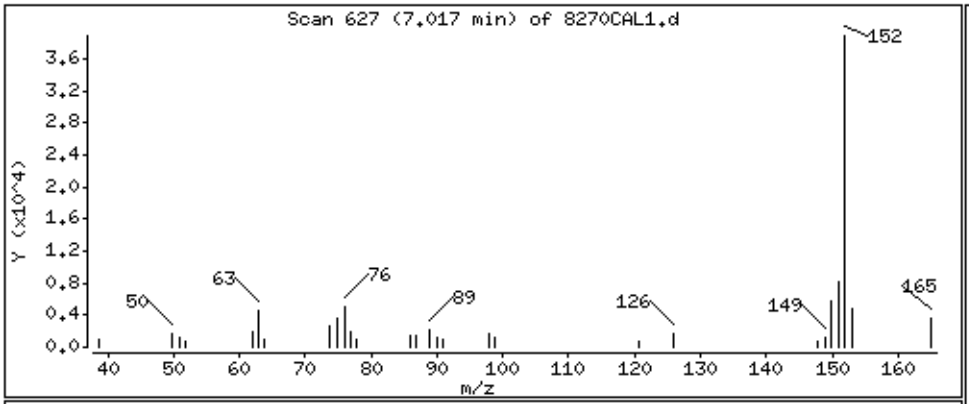
Operator: MJ

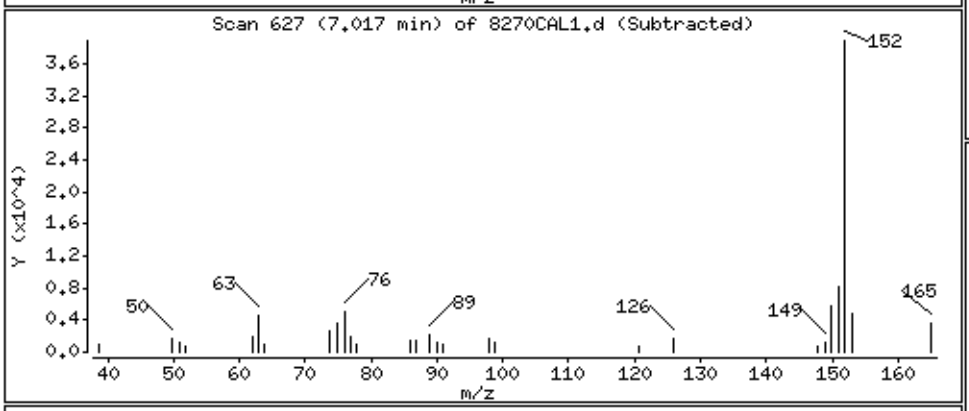
Column phase: HPMS-5

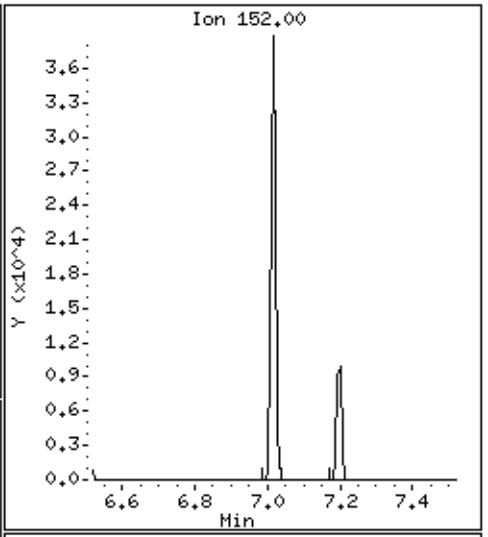
Column diameter: 0.25

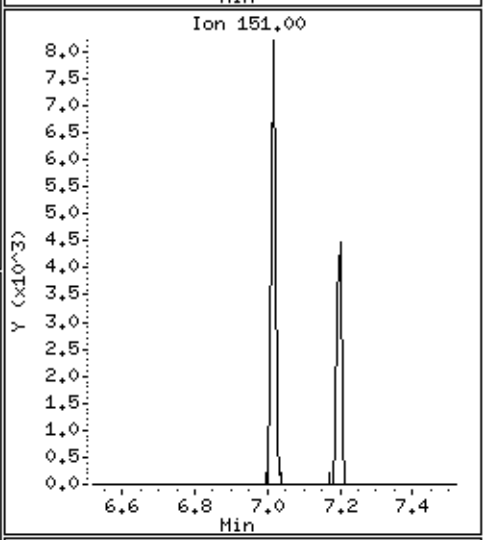
68 Acenaphthylene

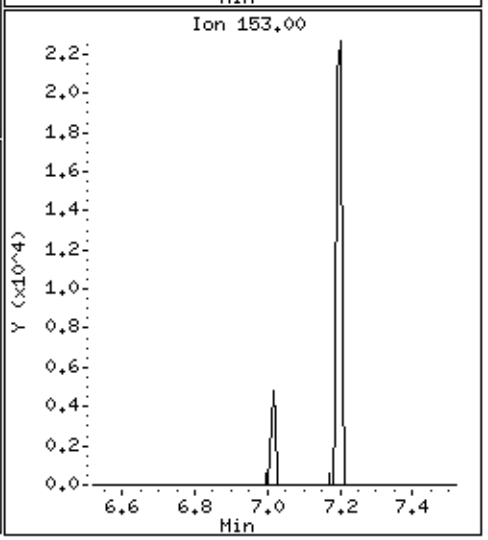
Concentration: 3.7 ug/kg











Date : 15-NOV-2012 00:46

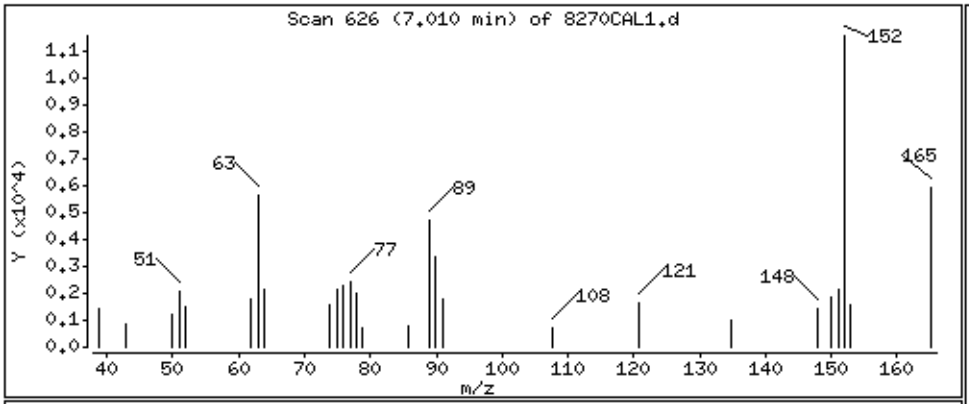
Client ID: 8270CAL1 Instrument: smsd04.i

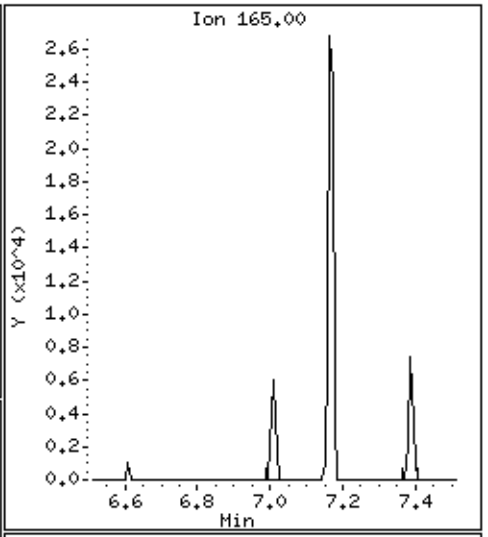
Sample Info: 47769

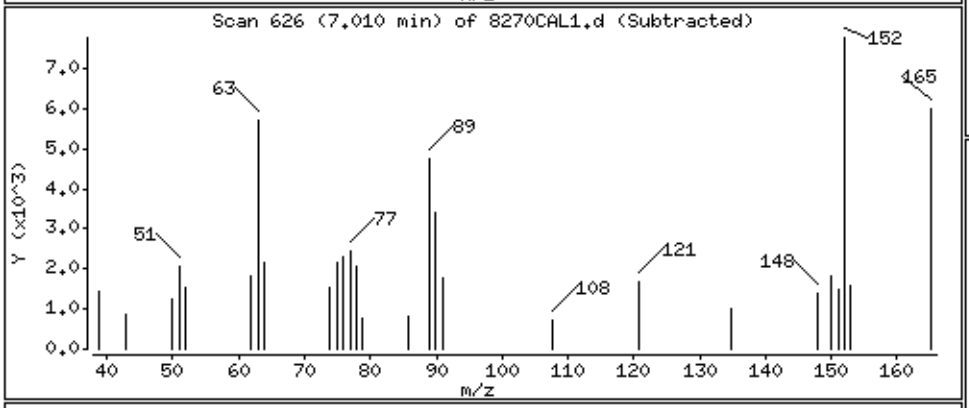
Operator: MJ

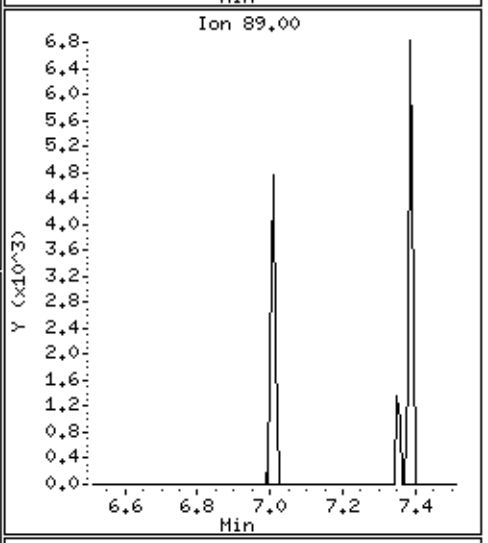
Column phase: HPMS-5 Column diameter: 0.25

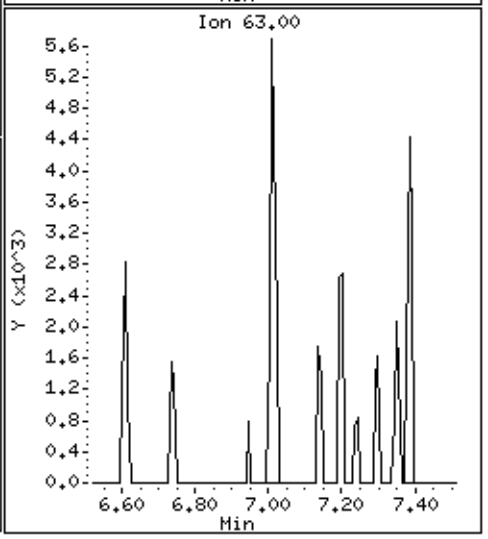
67 2,6-Dinitrotoluene Concentration: 3.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

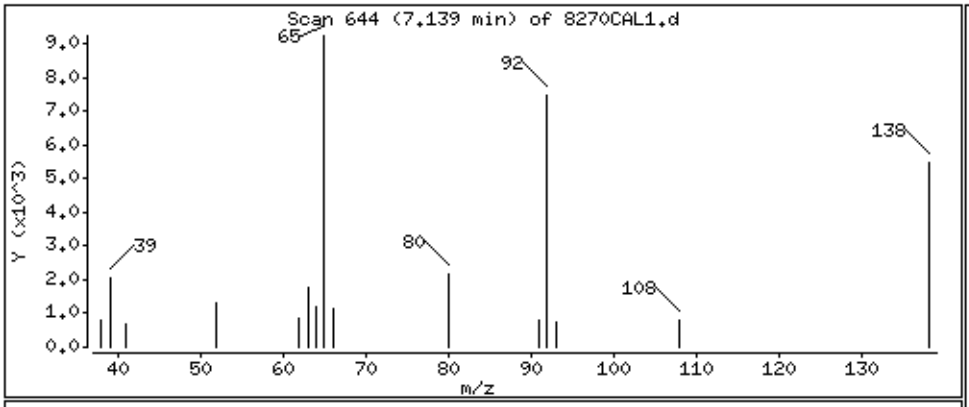
Operator: MJ

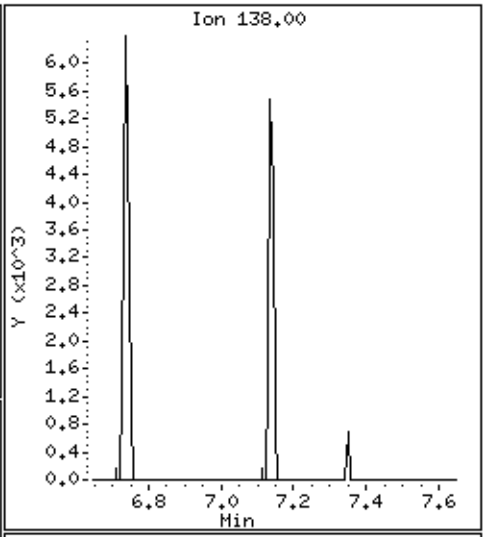
Column phase: HPMS-5

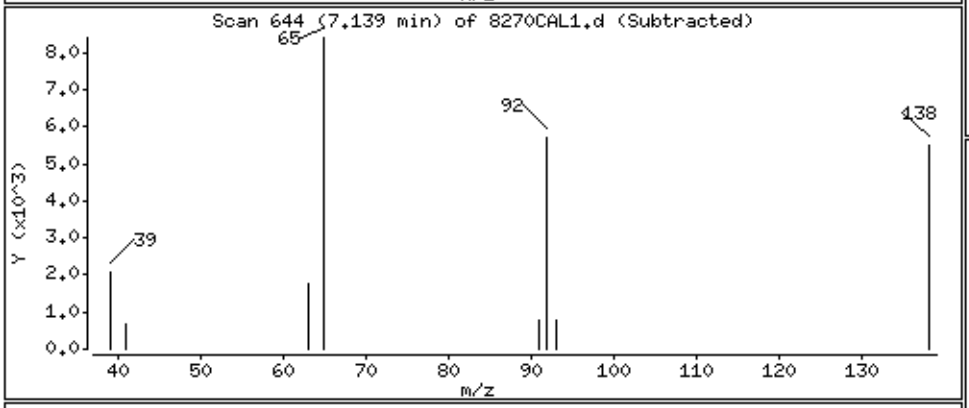
Column diameter: 0.25

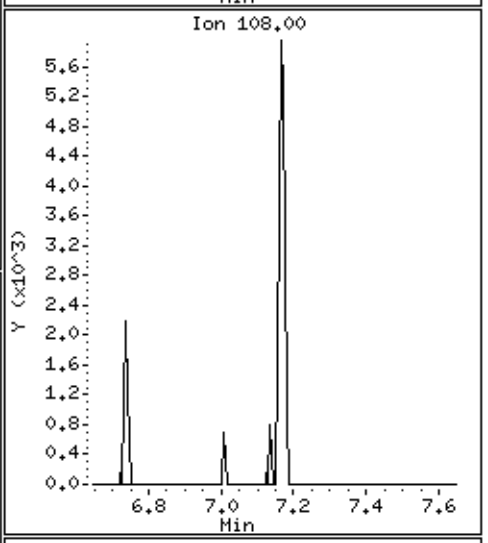
69 3-Nitroaniline

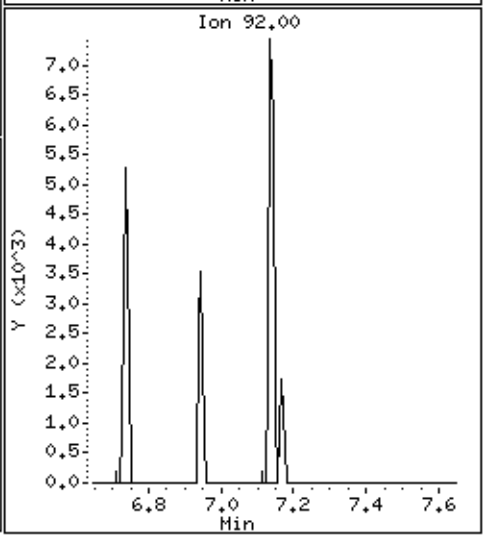
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

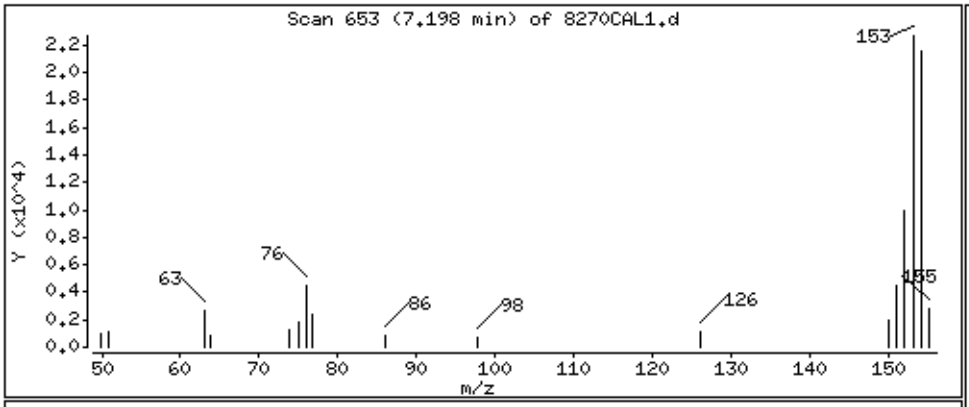
Operator: MJ

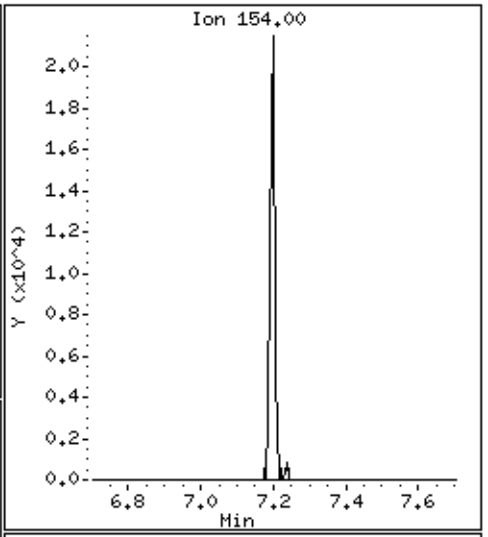
Column phase: HPMS-5

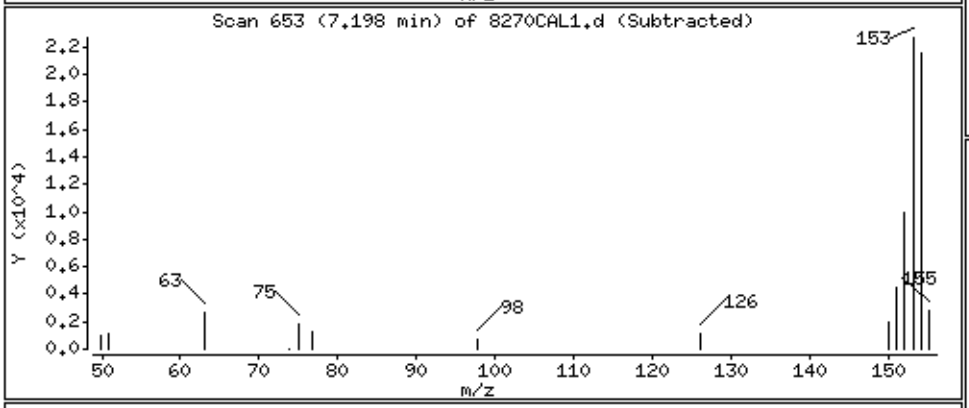
Column diameter: 0.25

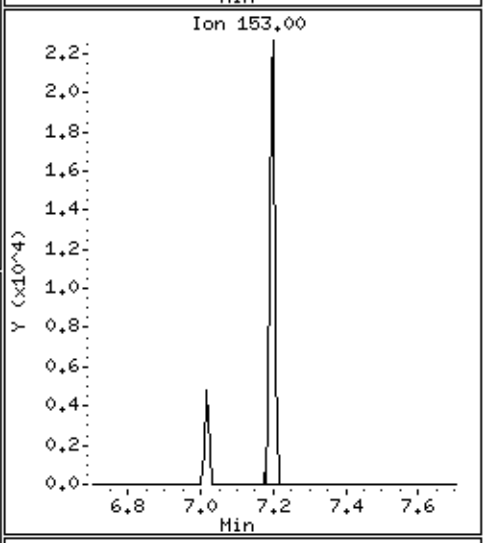
71 Acenaphthene

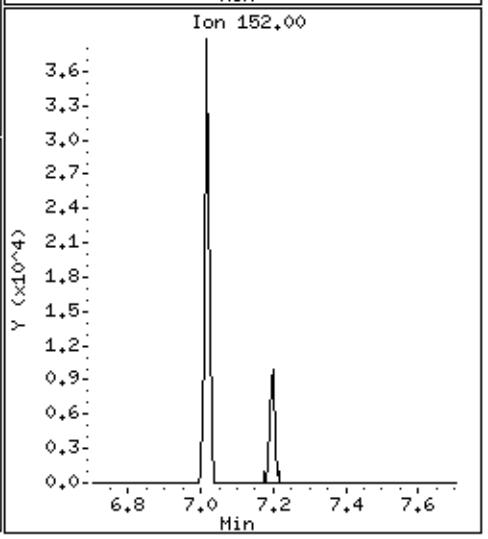
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

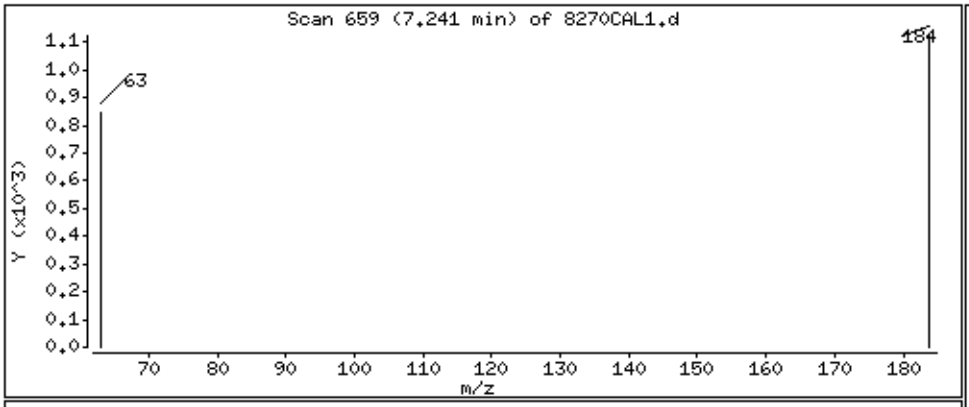
Operator: MJ

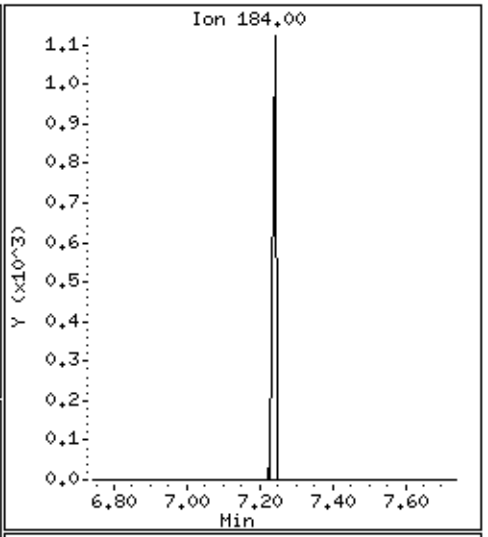
Column phase: HPMS-5

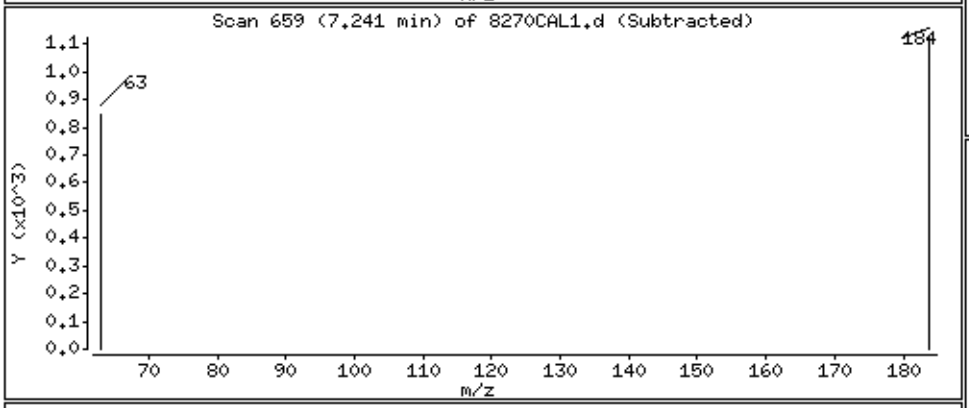
Column diameter: 0.25

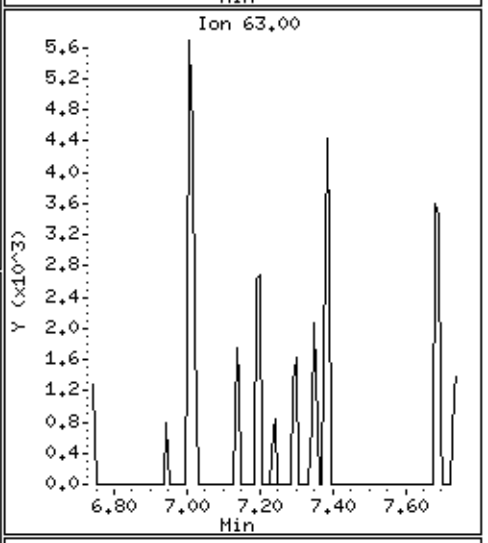
72 2,4-Dinitrophenol

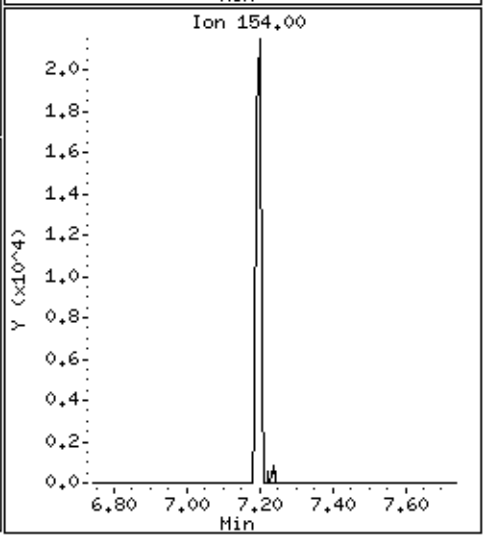
Concentration: 8.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

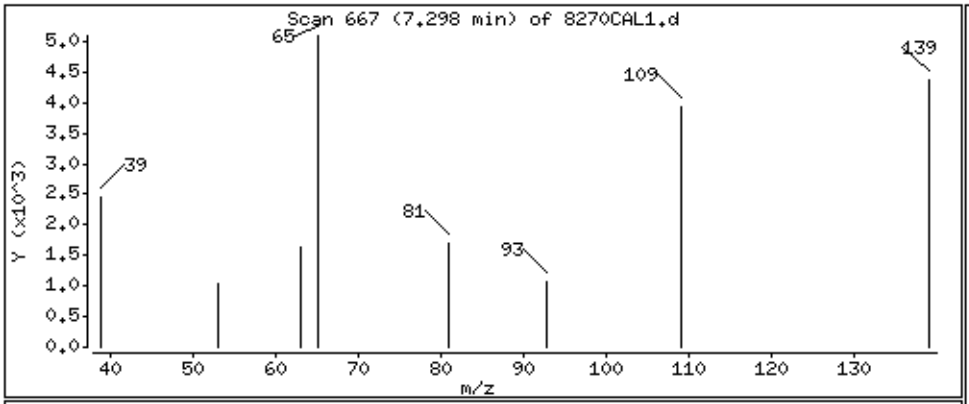
Operator: MJ

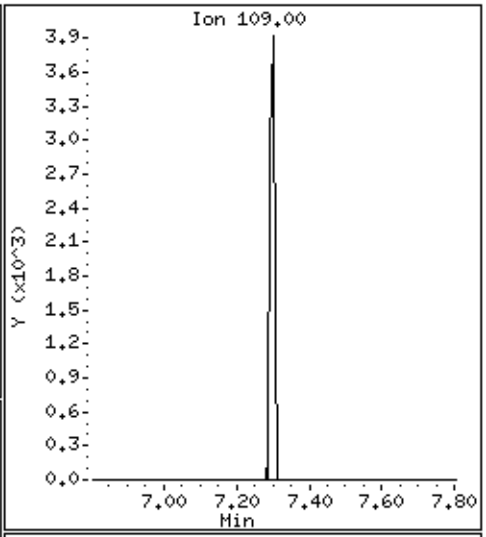
Column phase: HPMS-5

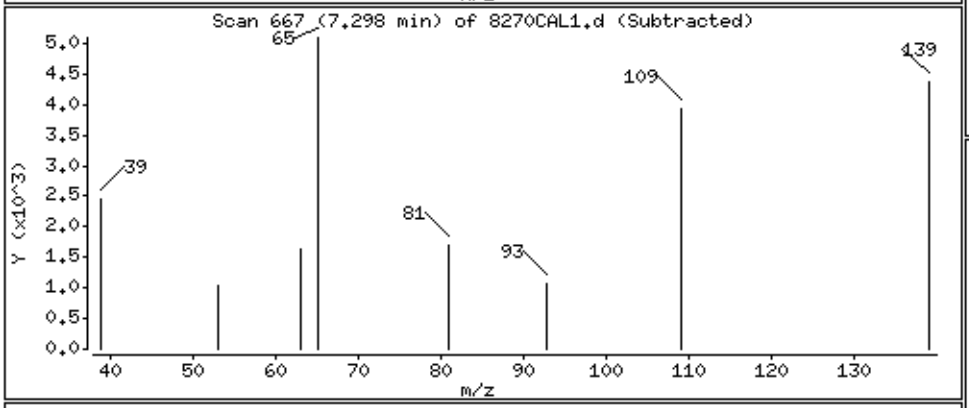
Column diameter: 0.25

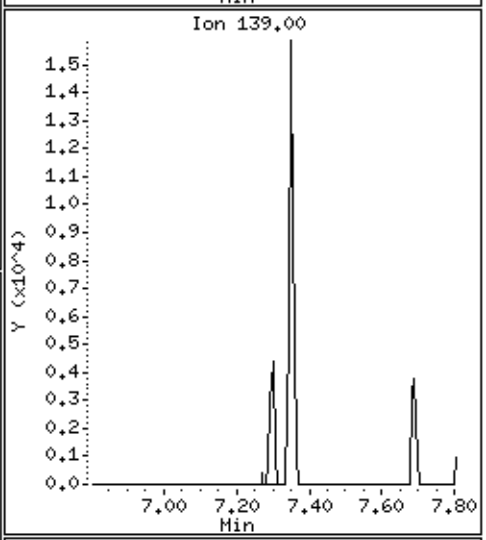
74 4-Nitrophenol

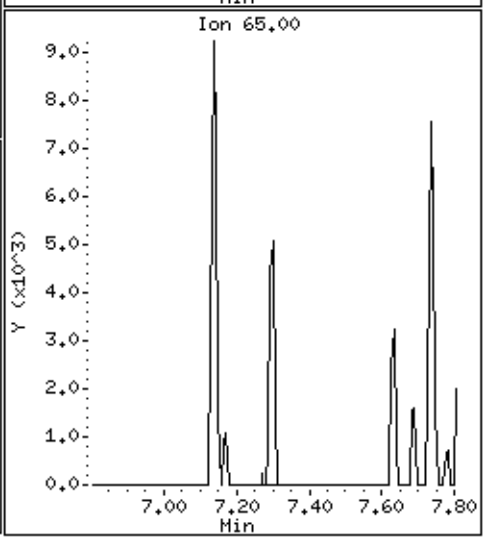
Concentration: 2.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

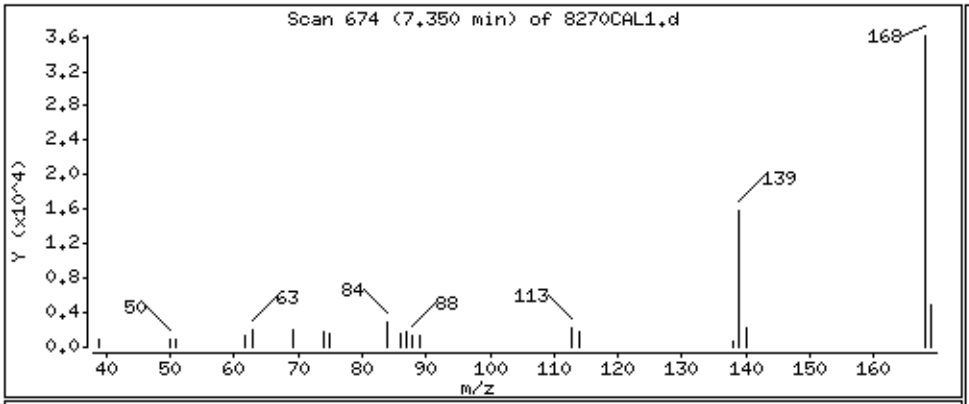
Operator: MJ

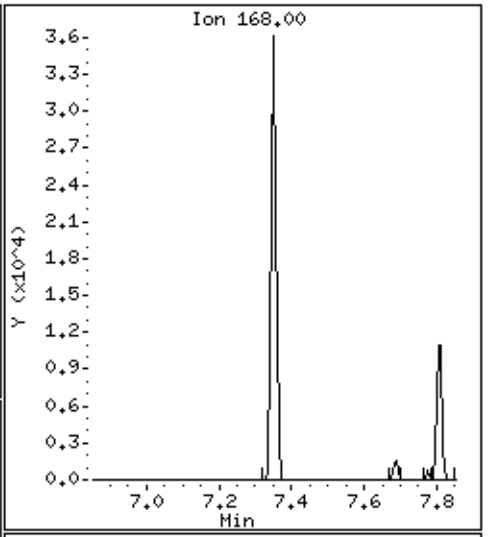
Column phase: HPMS-5

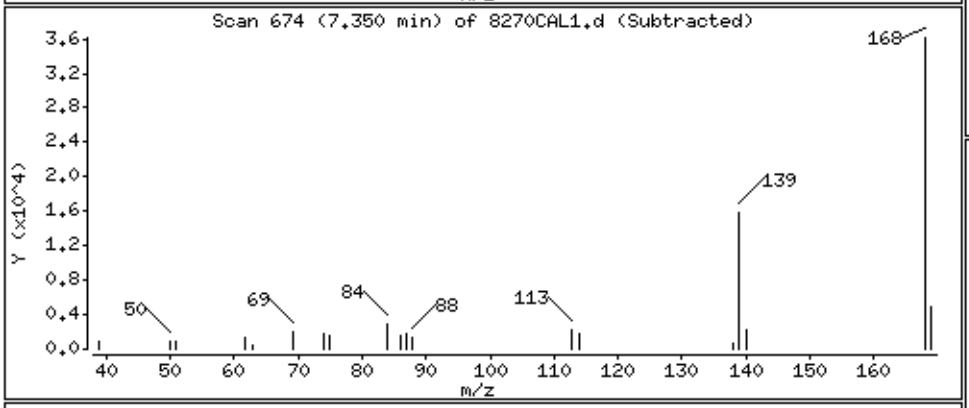
Column diameter: 0.25

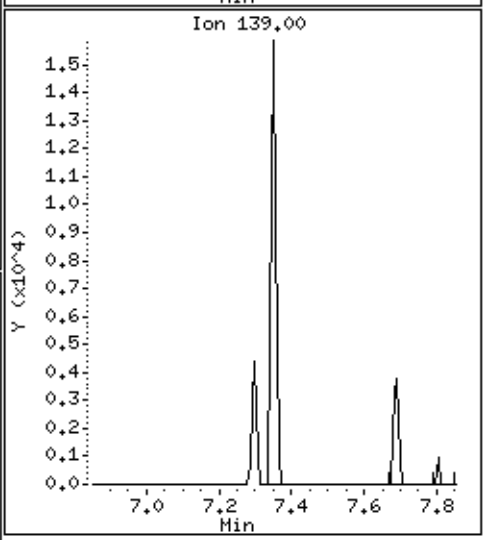
75 Dibenzofuran

Concentration: 3.7 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

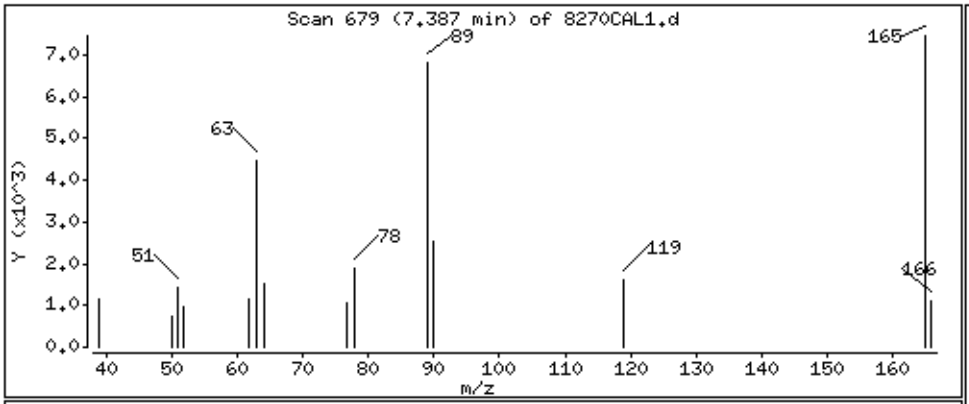
Operator: MJ

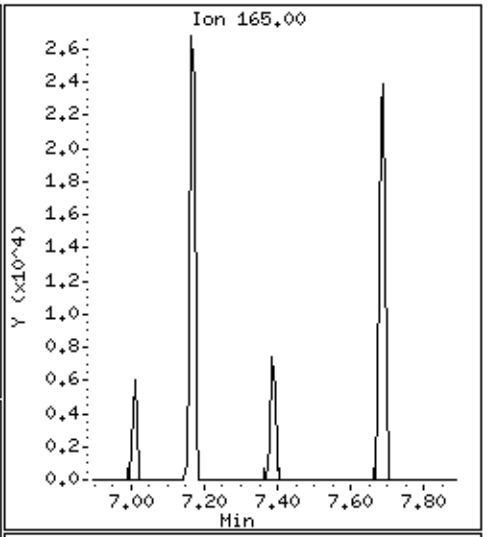
Column phase: HPMS-5

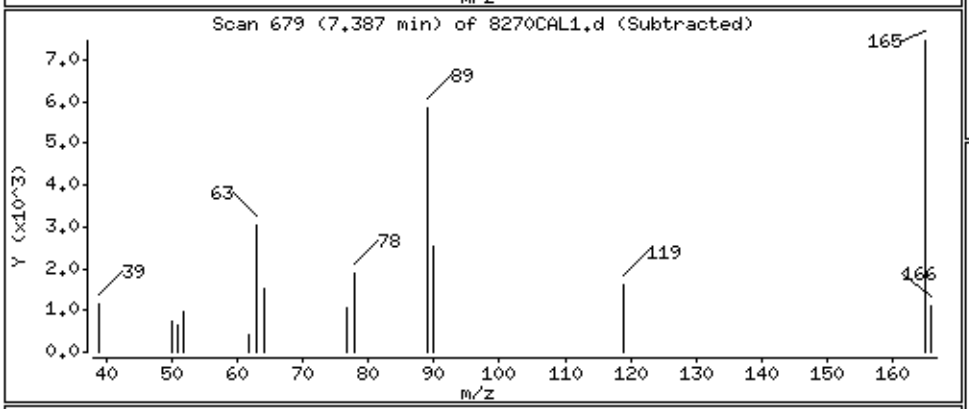
Column diameter: 0.25

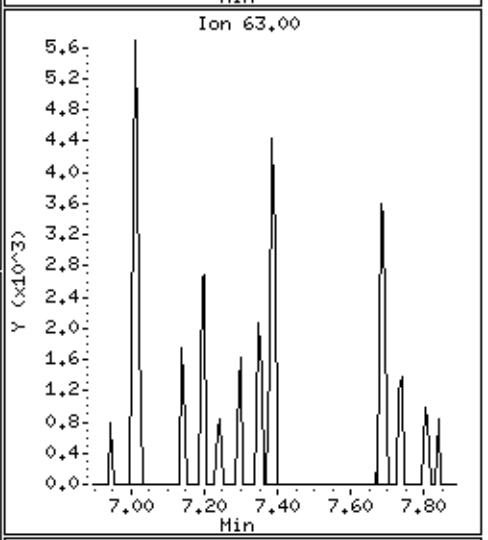
76 2,4-Dinitrotoluene

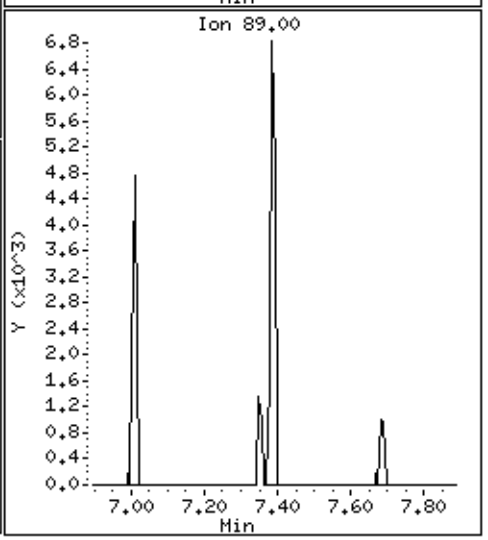
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

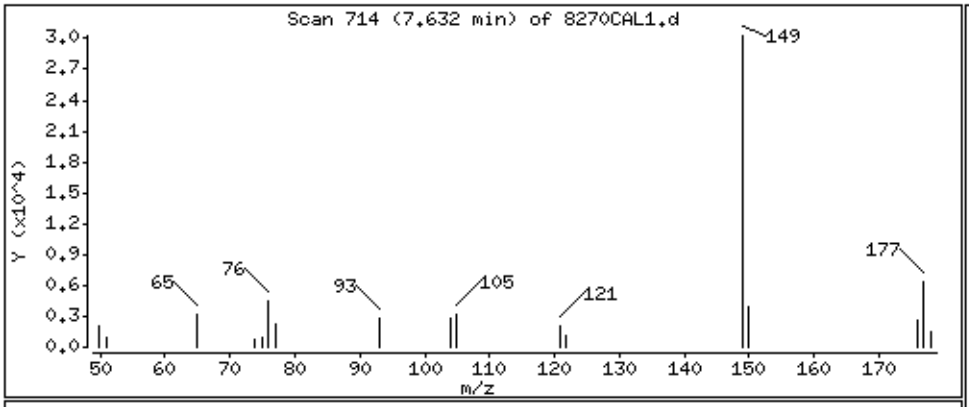
Operator: MJ

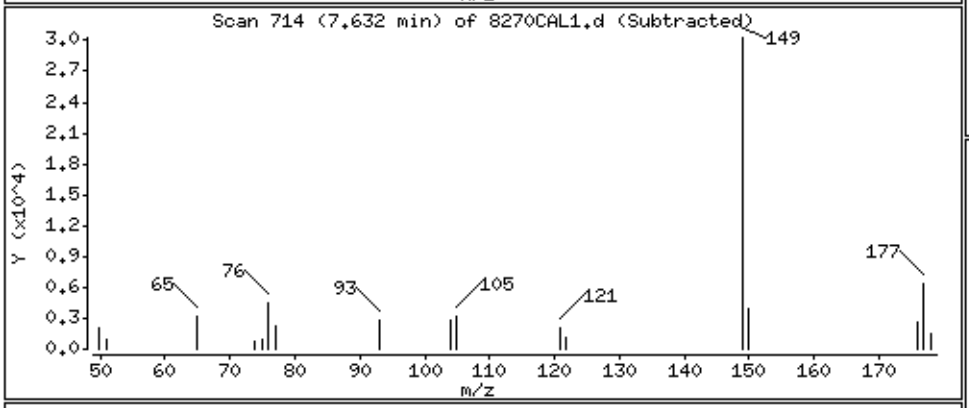
Column phase: HPMS-5

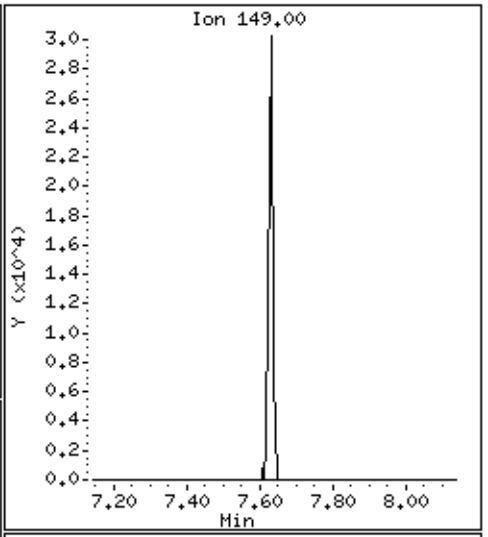
Column diameter: 0.25

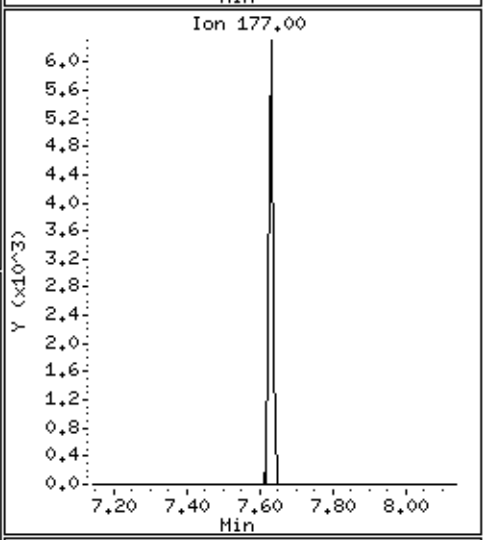
80 Diethylphthalate

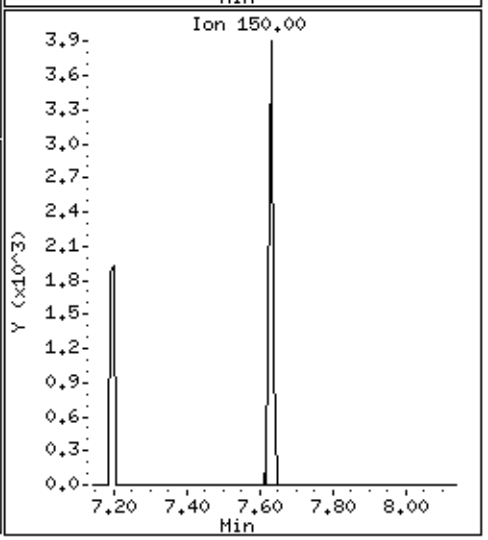
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

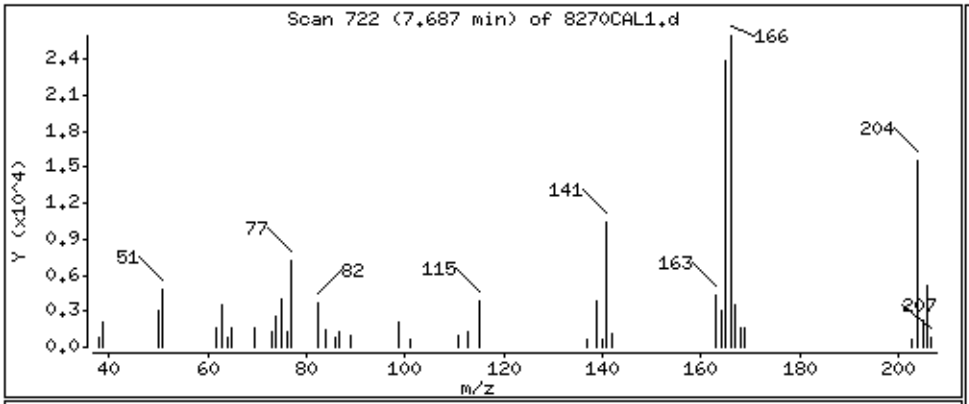
Operator: MJ

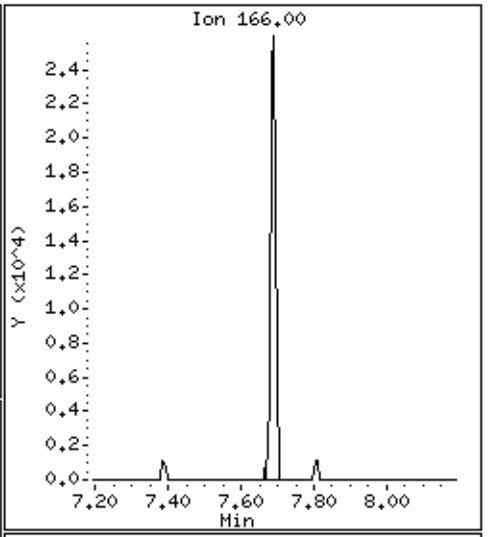
Column phase: HPMS-5

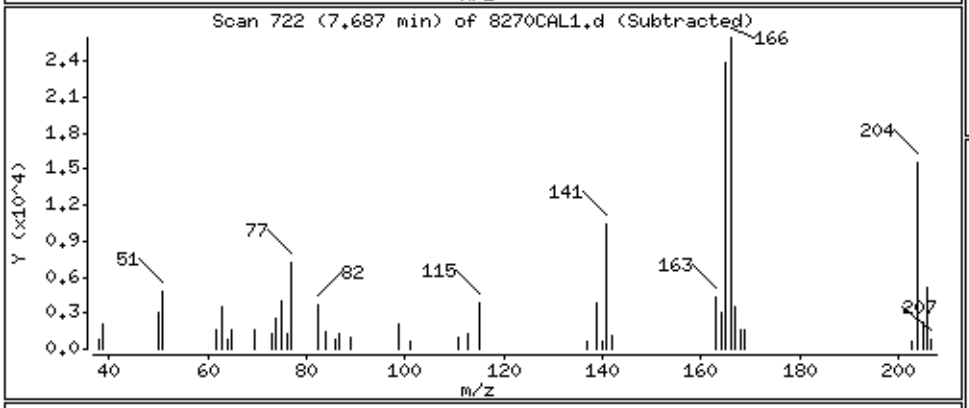
Column diameter: 0.25

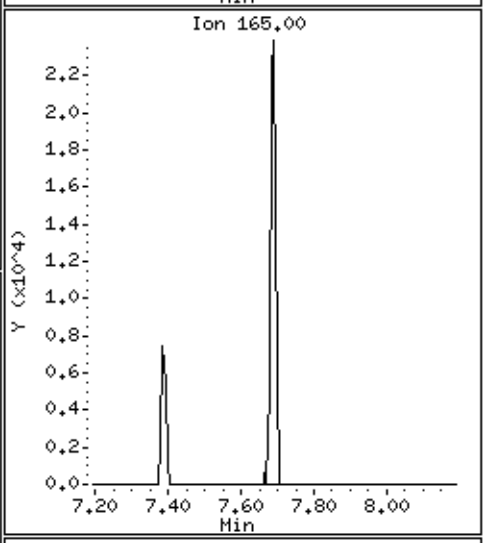
81 Fluorene

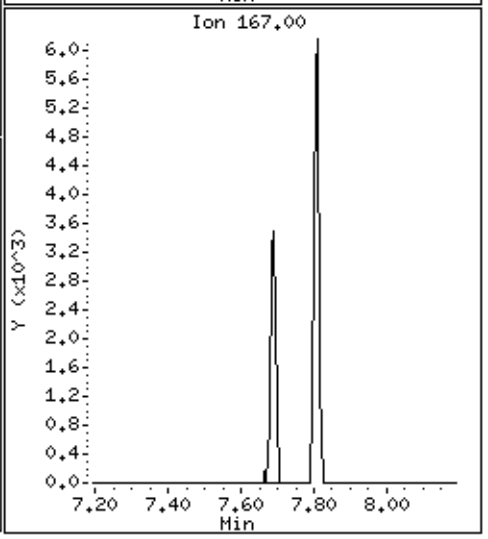
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

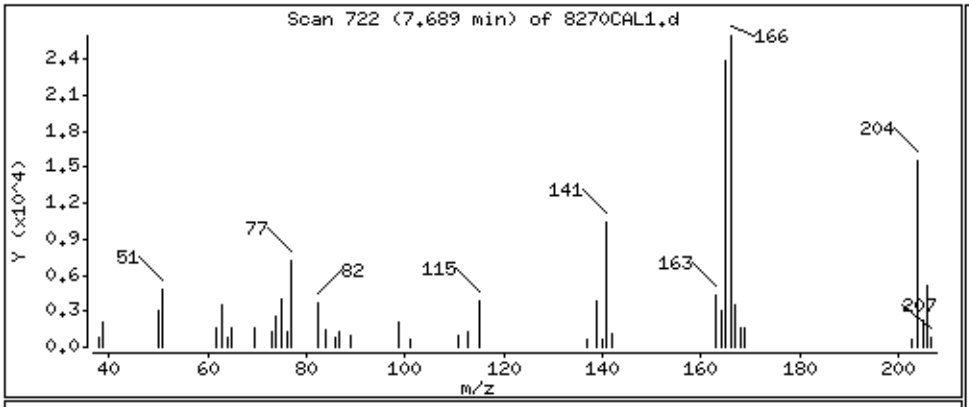
Operator: MJ

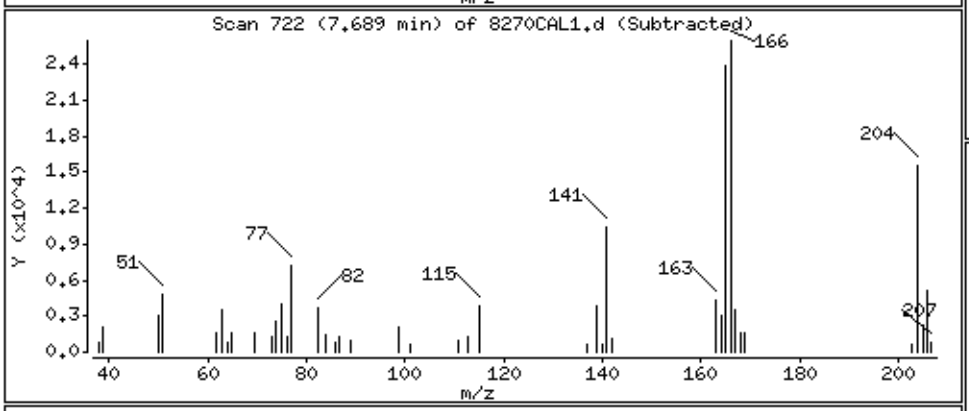
Column phase: HPMS-5

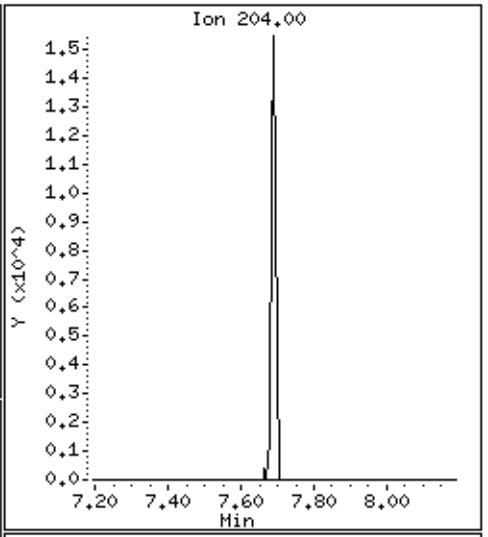
Column diameter: 0.25

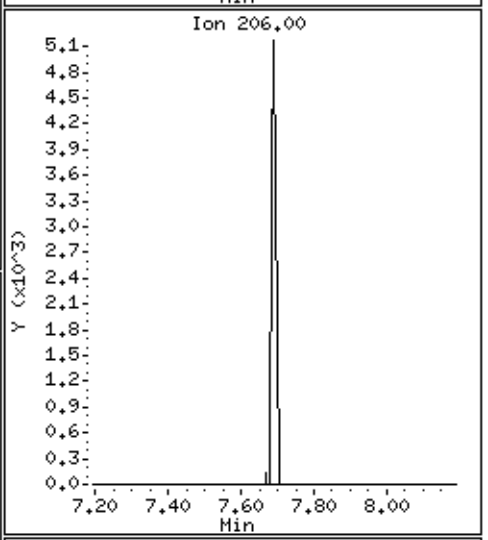
82 4-Chlorophenyl-phenylether

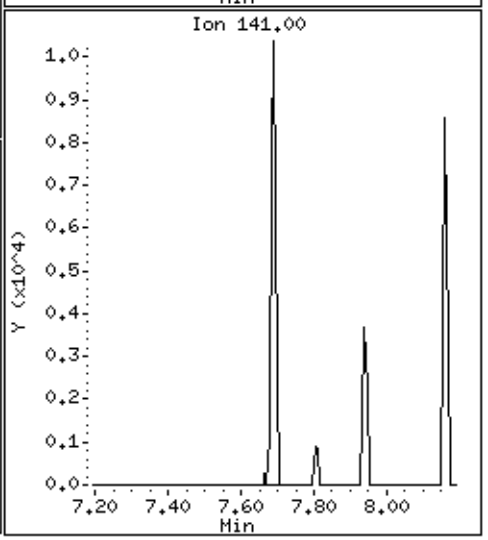
Concentration: 3.6 ug/kg











Date : 15-NOV-2012 00:46

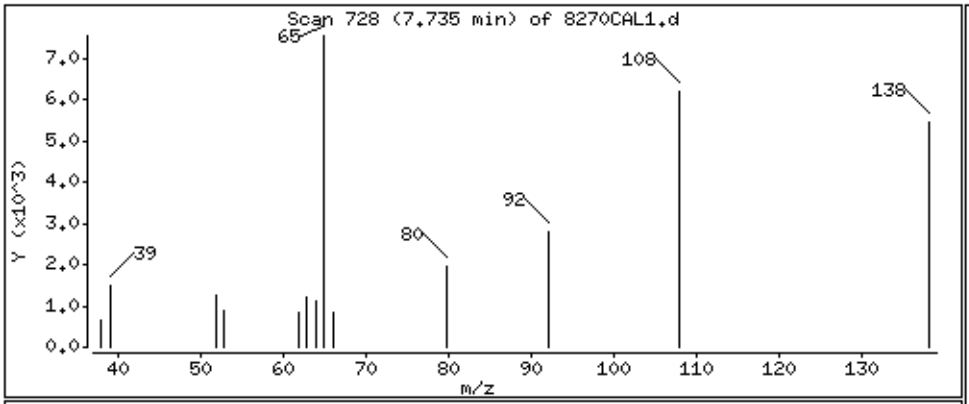
Client ID: 8270CAL1 Instrument: smsd04.i

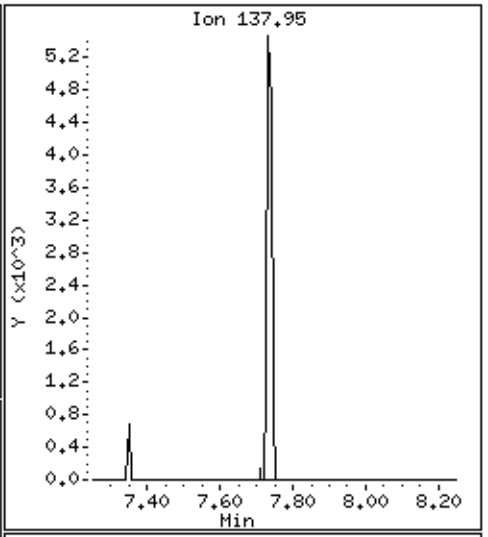
Sample Info: 47769

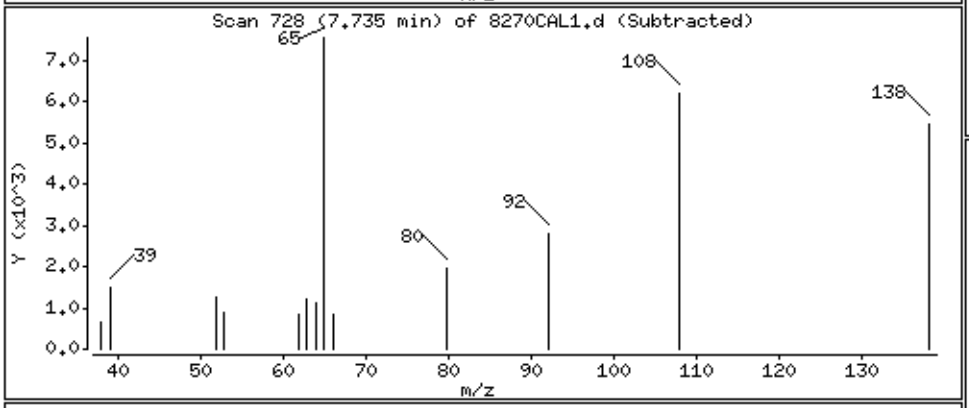
Operator: MJ

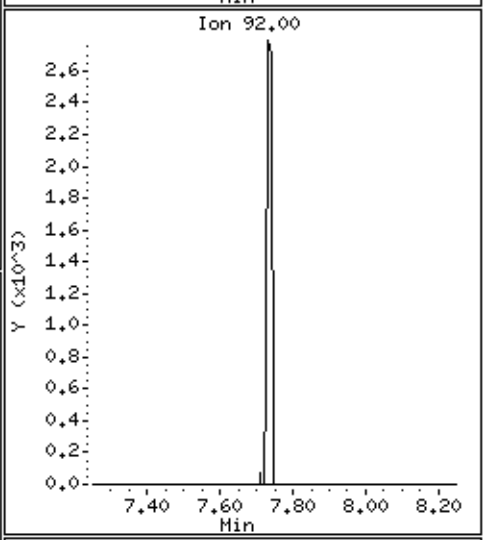
Column phase: HPMS-5 Column diameter: 0.25

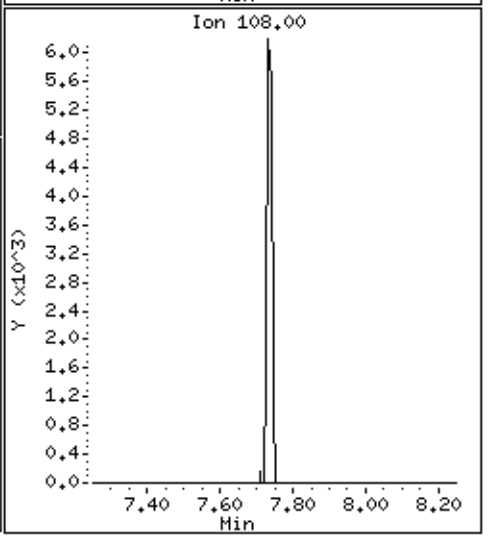
84 4-Nitroaniline Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

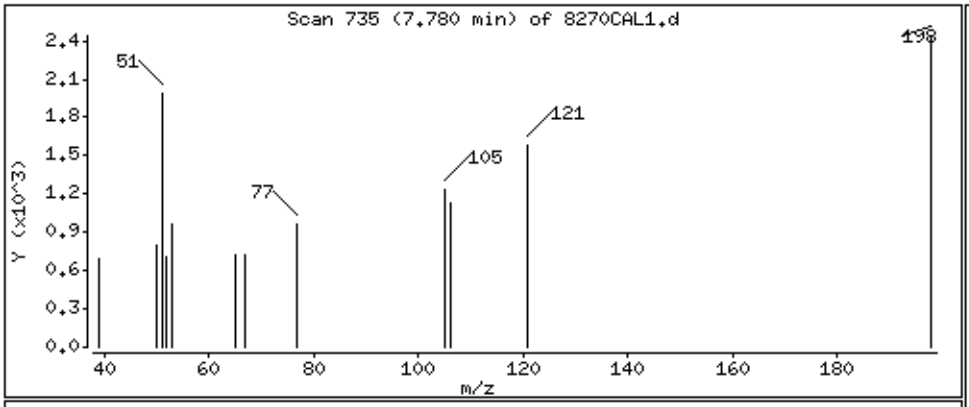
Operator: MJ

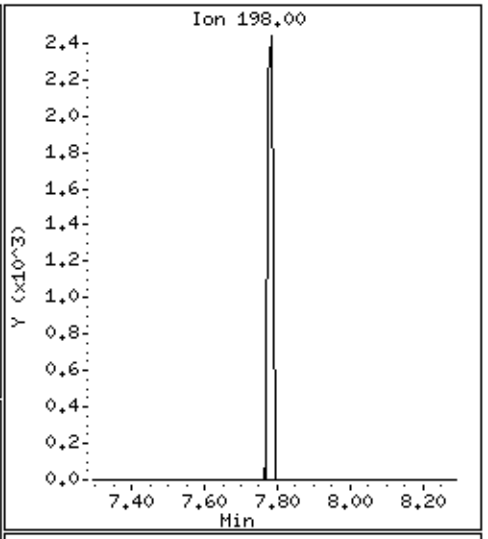
Column phase: HPMS-5

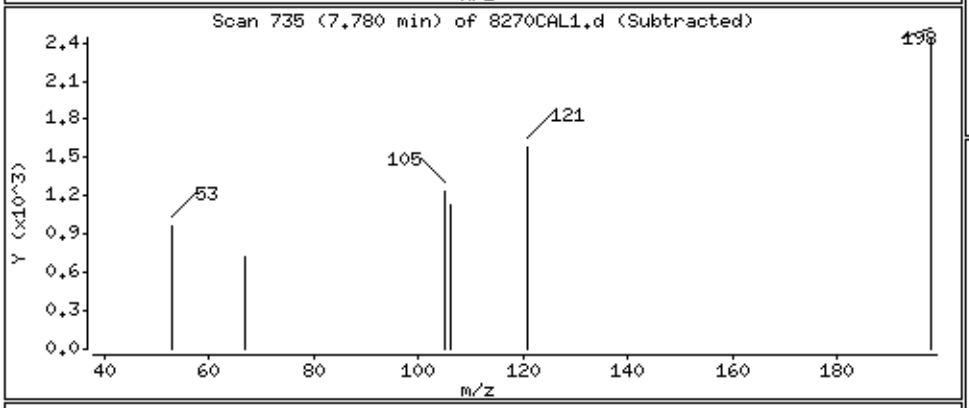
Column diameter: 0.25

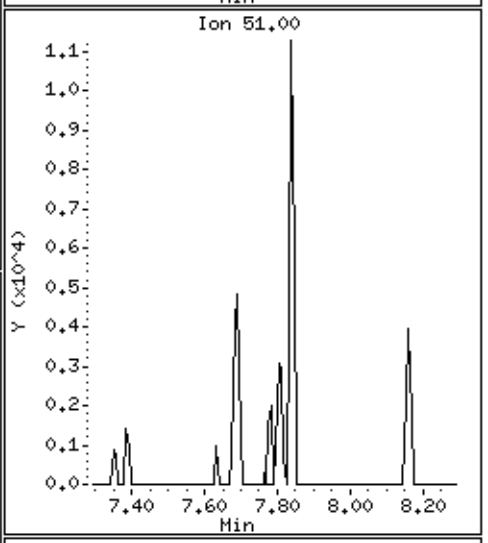
85 4,6-Dinitro-2-methylphenol

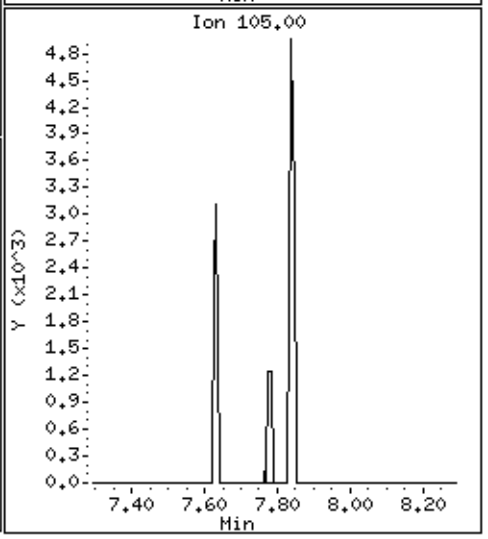
Concentration: 1.8 ug/kg











Date : 15-NOV-2012 00:46

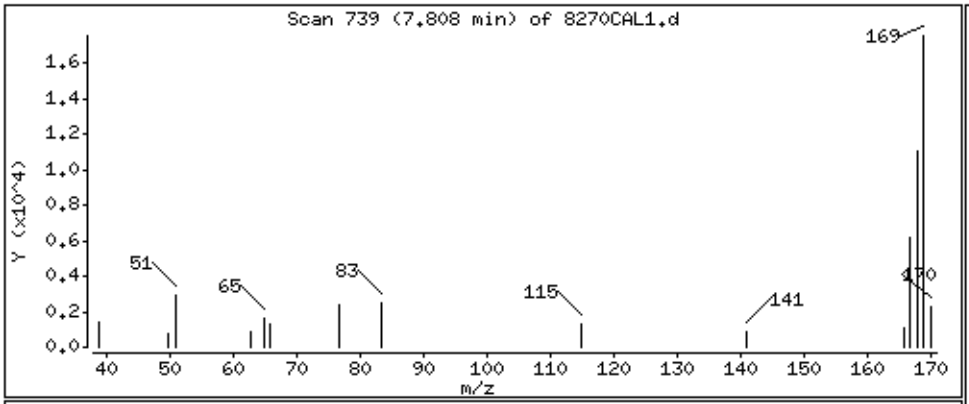
Client ID: 8270CAL1 Instrument: smsd04.i

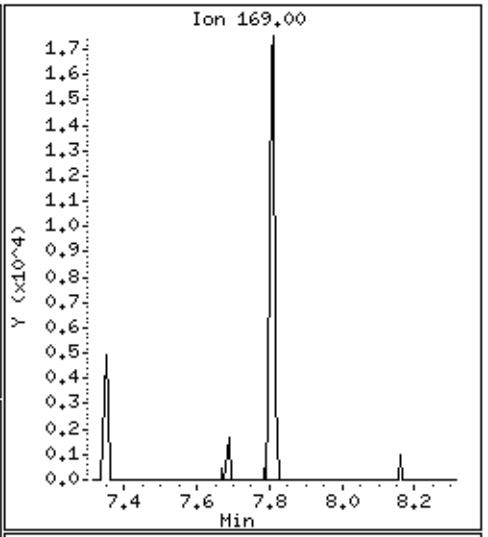
Sample Info: 47769

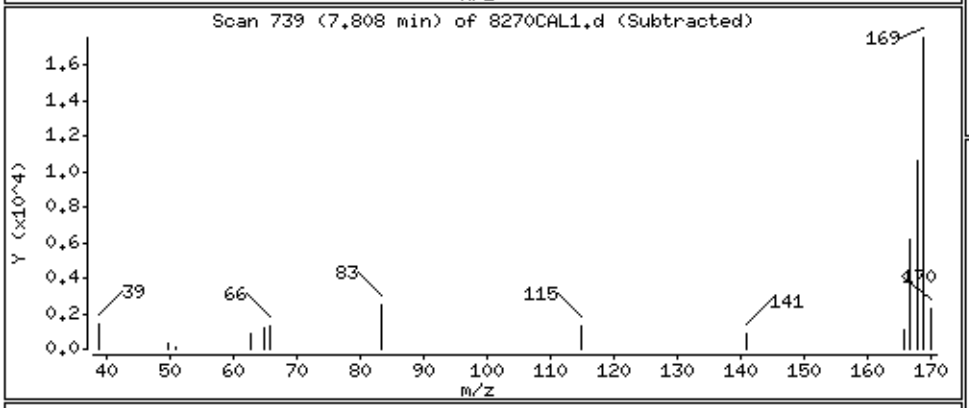
Operator: MJ

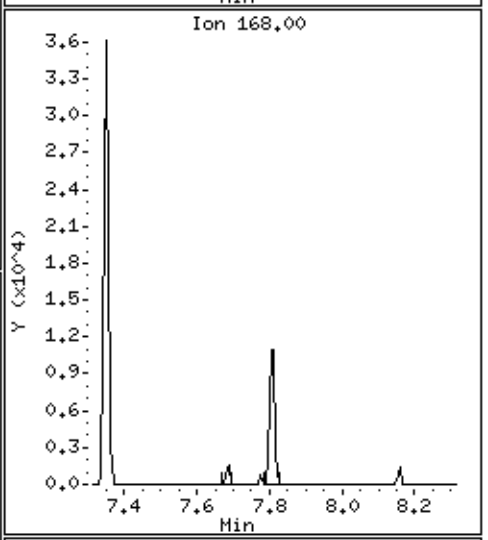
Column phase: HPMS-5 Column diameter: 0.25

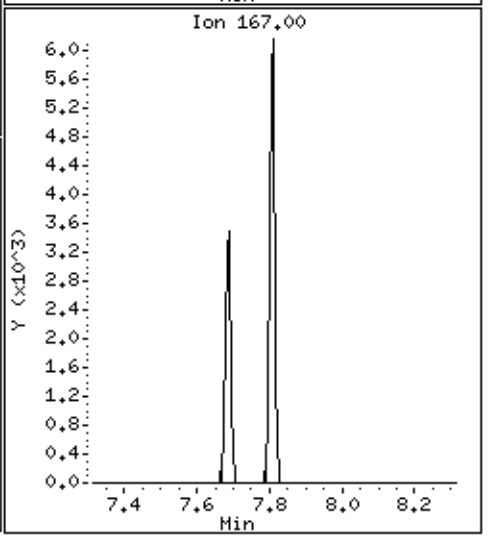
86 N-Nitrosodiphenylamine Concentration: 3.8 ug/kg











Date : 15-NOV-2012 00:46

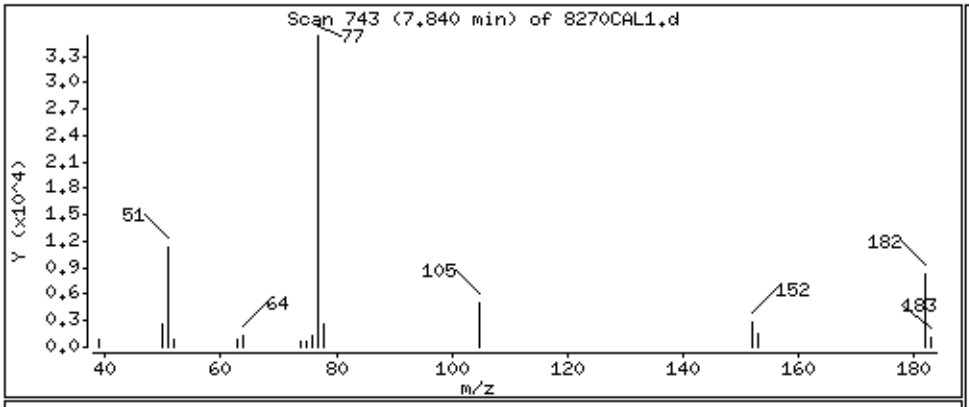
Client ID: 8270CAL1 Instrument: smsd04.i

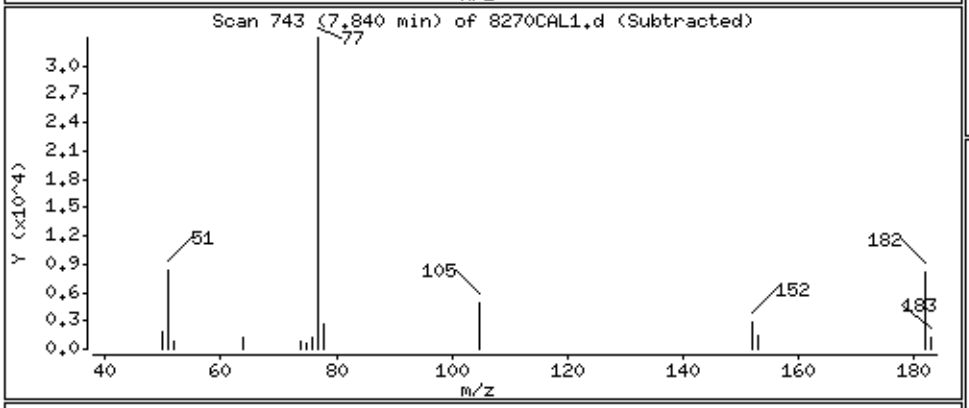
Sample Info: 47769

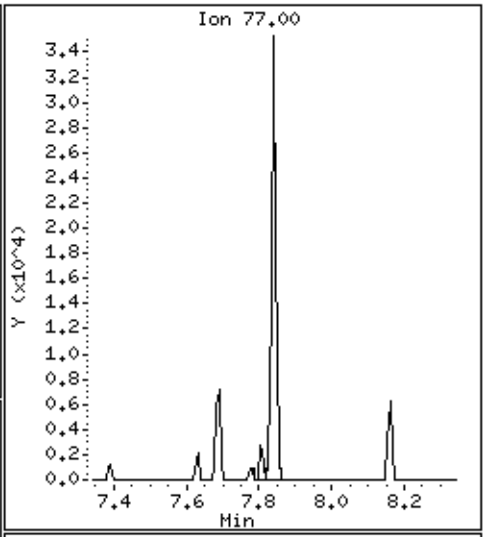
Operator: MJ

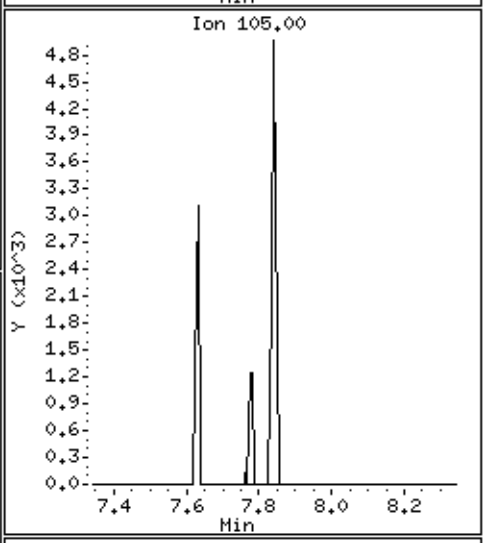
Column phase: HPMS-5 Column diameter: 0.25

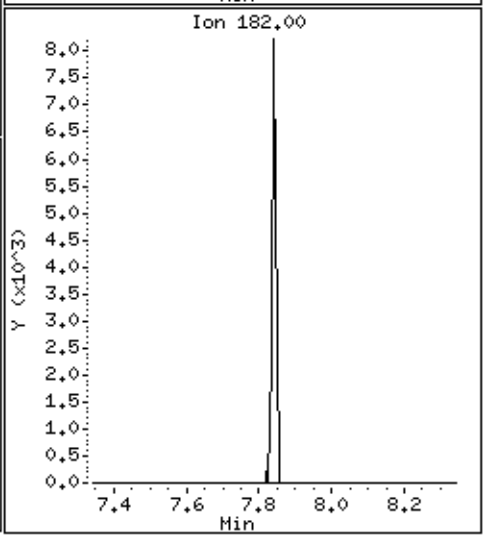
87 1,2-Diphenylhydrazine Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

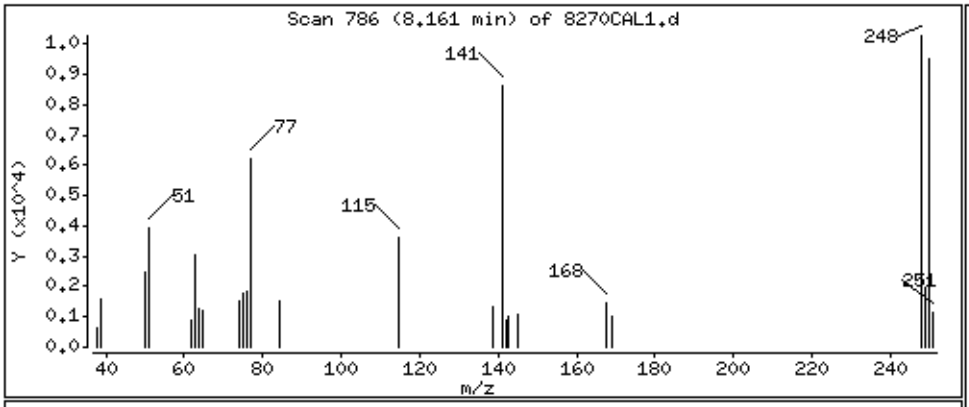
Operator: MJ

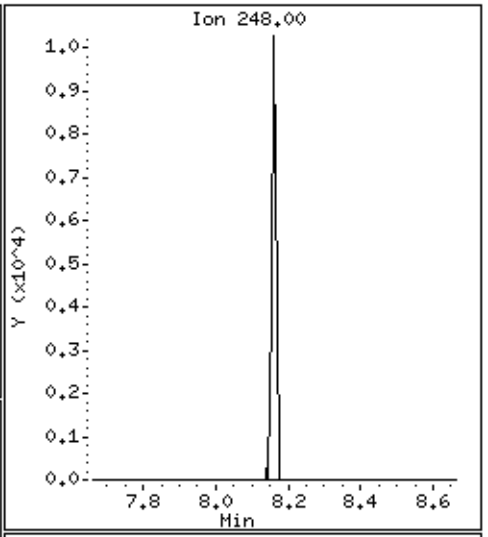
Column phase: HPMS-5

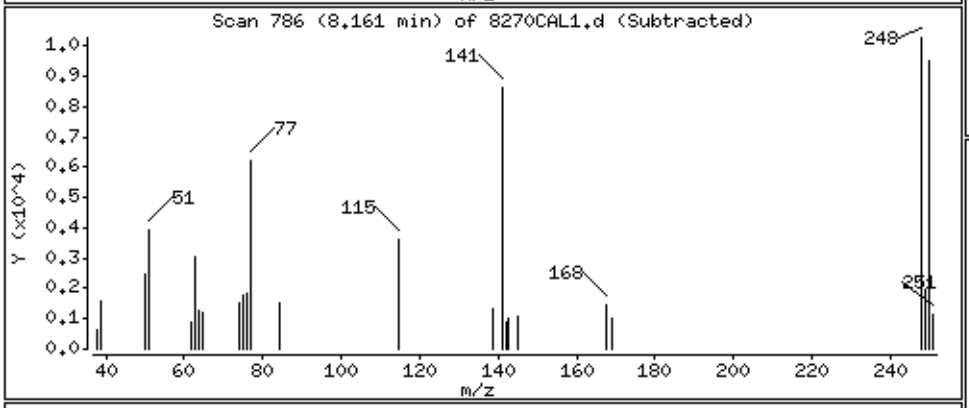
Column diameter: 0.25

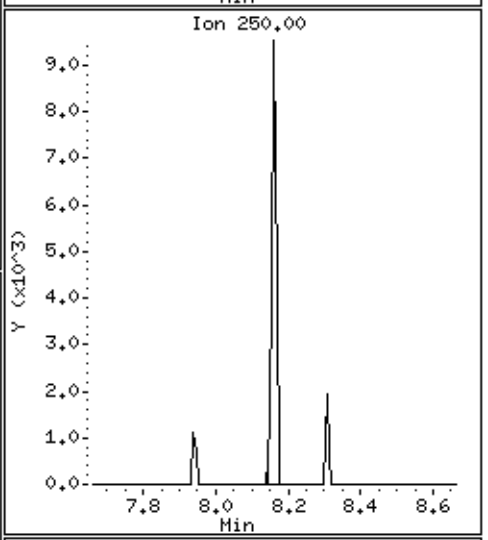
93 4-Bromophenylphenylether

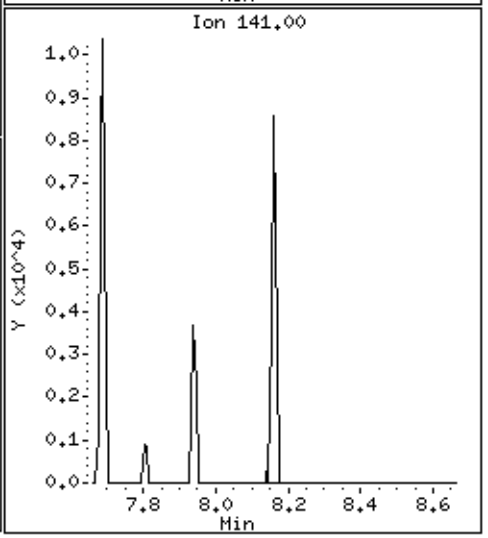
Concentration: 3.6 ug/kg











Date : 15-NOV-2012 00:46

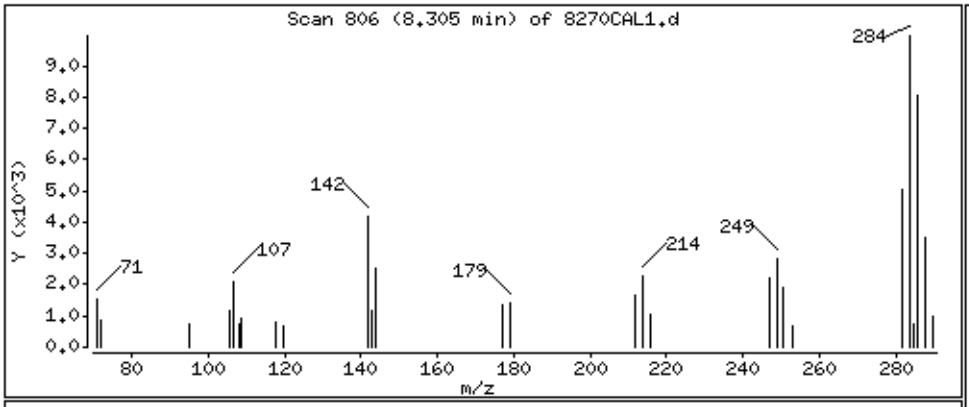
Client ID: 8270CAL1 Instrument: smsd04.i

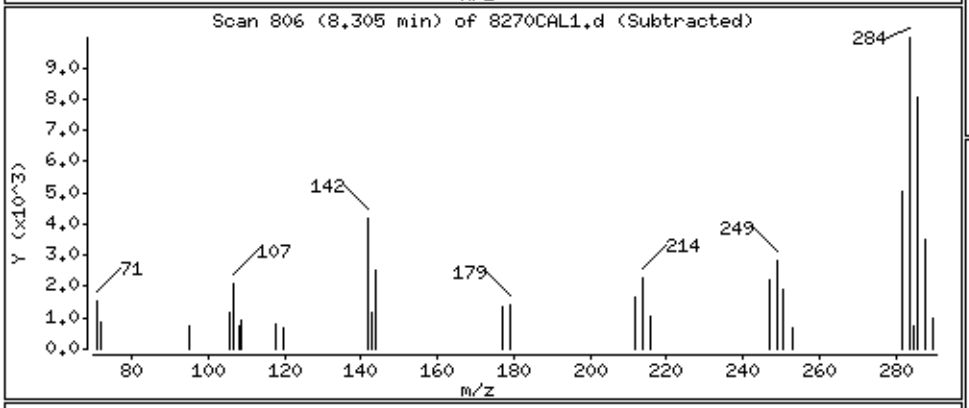
Sample Info: 47769

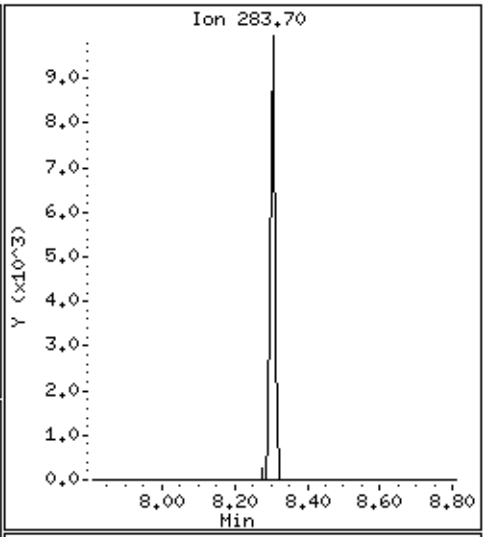
Operator: MJ

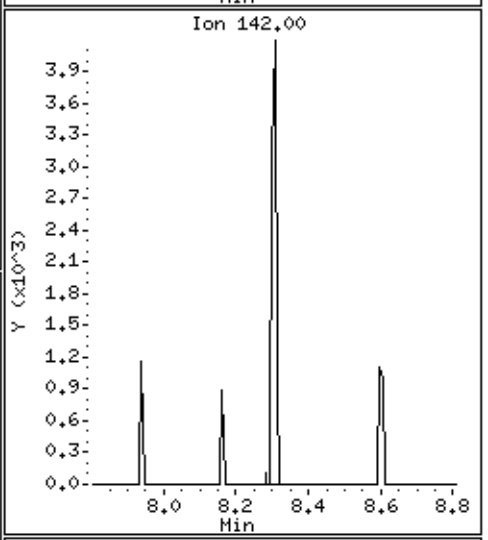
Column phase: HPMS-5 Column diameter: 0.25

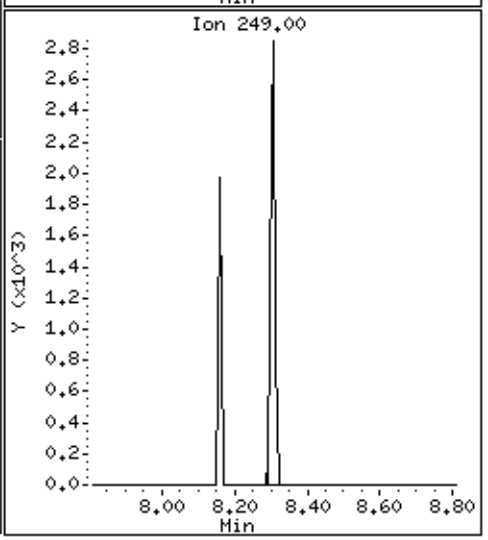
94 Hexachlorobenzene Concentration: 3.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

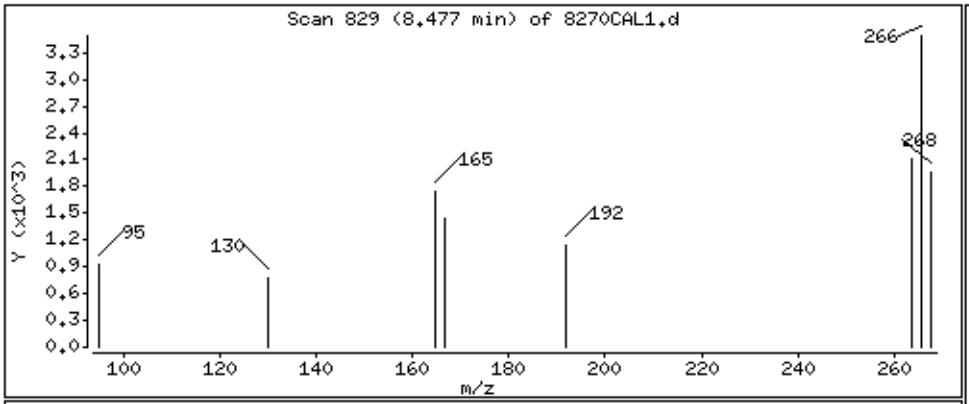
Operator: MJ

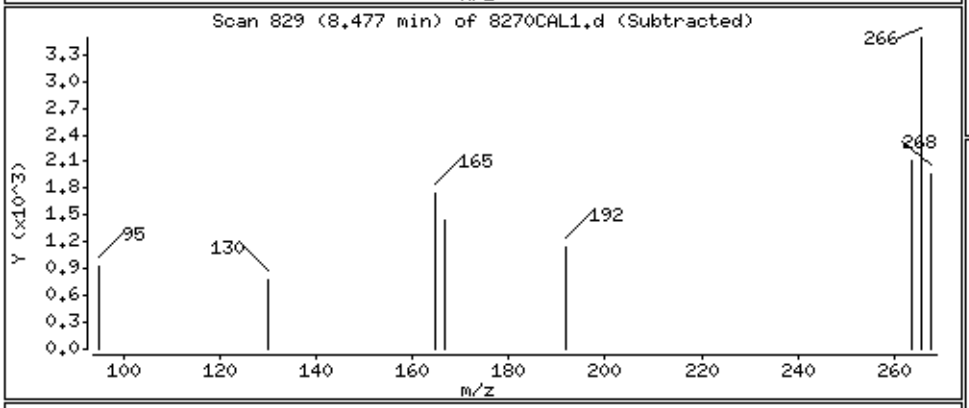
Column phase: HPMS-5

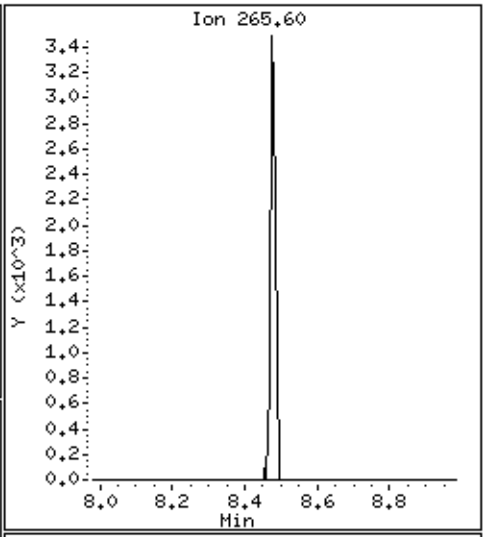
Column diameter: 0.25

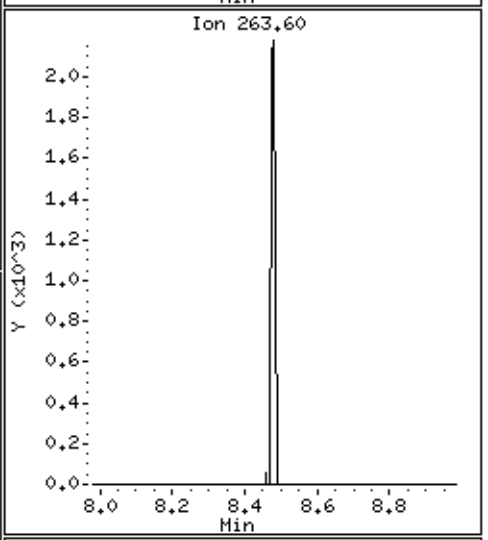
96 Pentachlorophenol

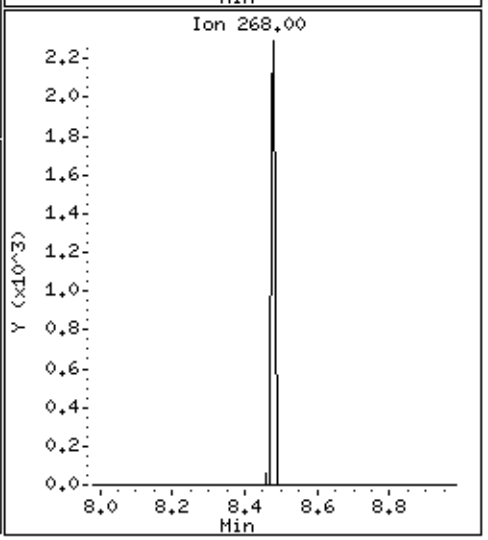
Concentration: 7.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

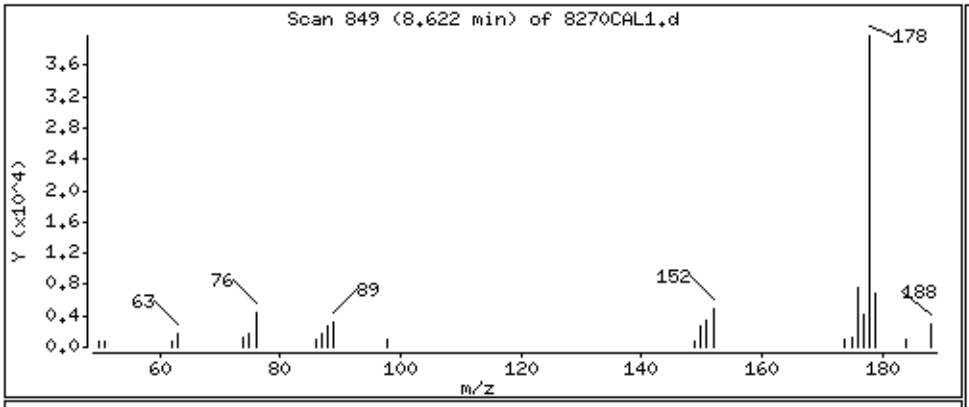
Operator: MJ

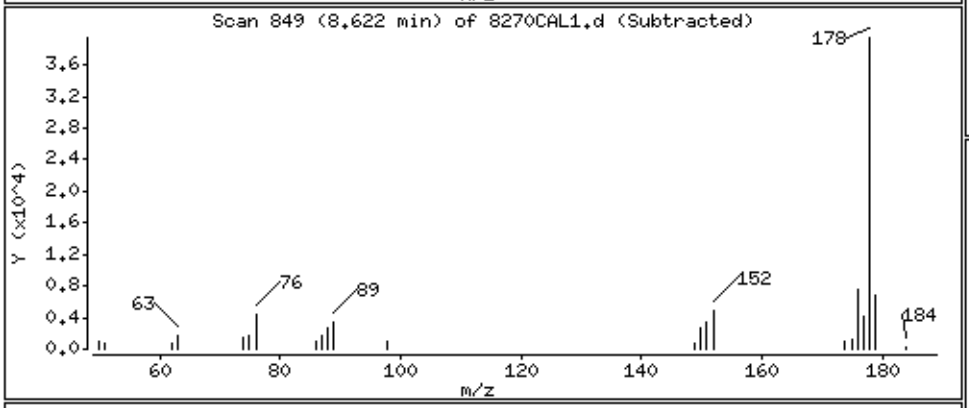
Column phase: HPMS-5

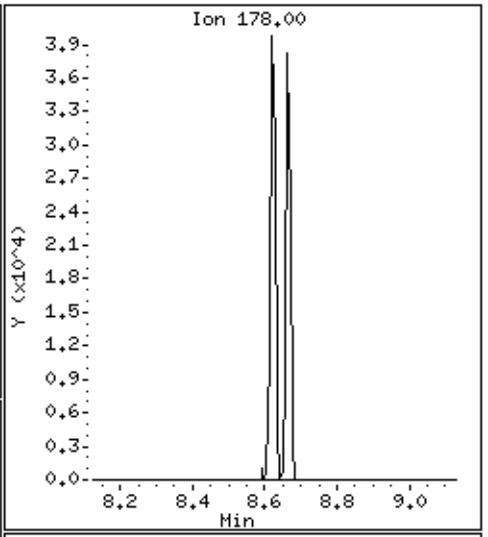
Column diameter: 0.25

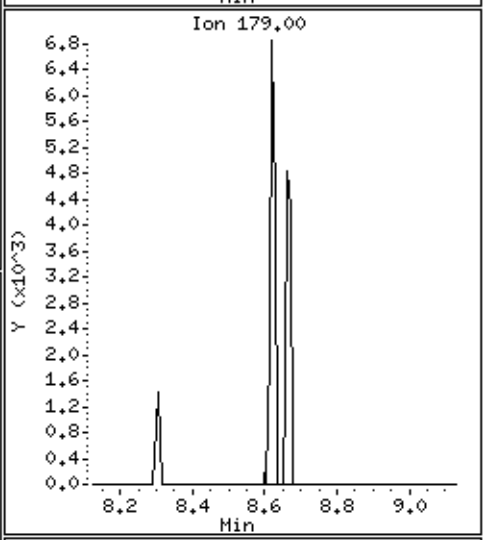
101 Phenanthrene

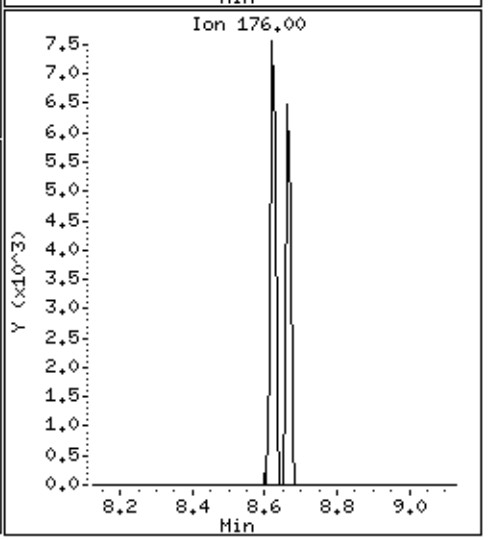
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

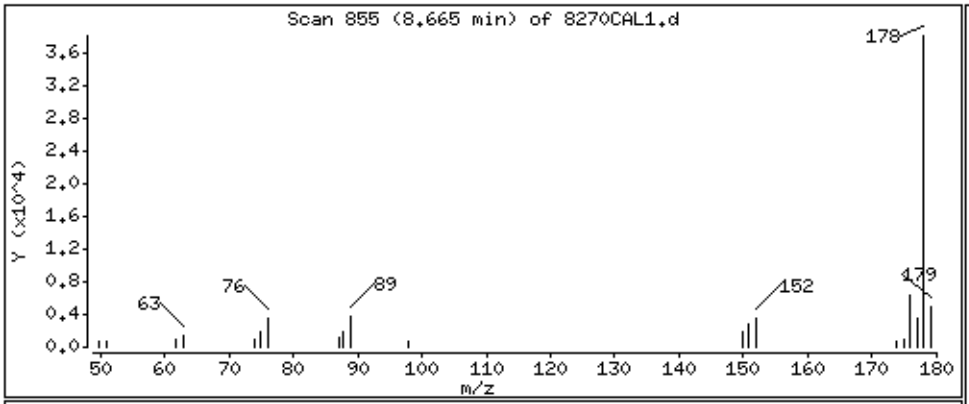
Operator: MJ

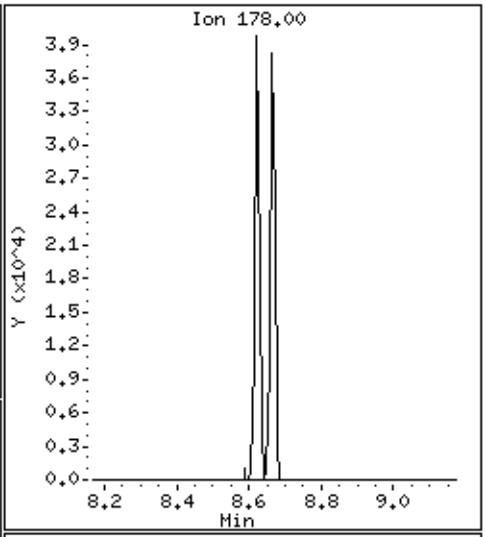
Column phase: HPMS-5

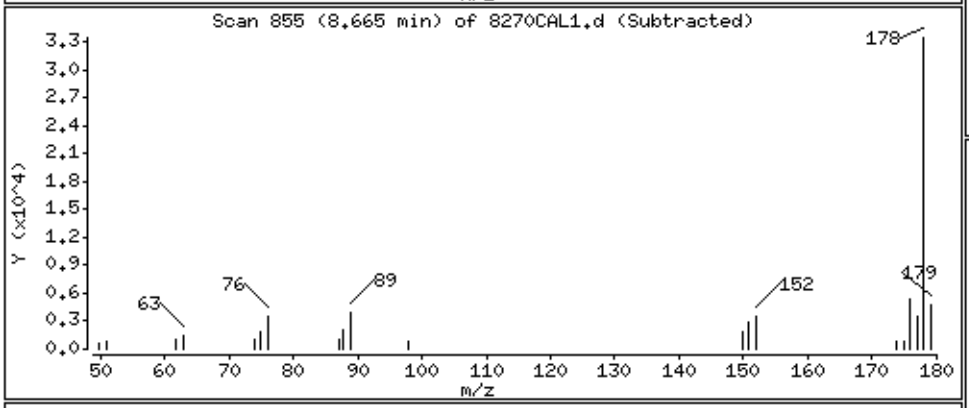
Column diameter: 0.25

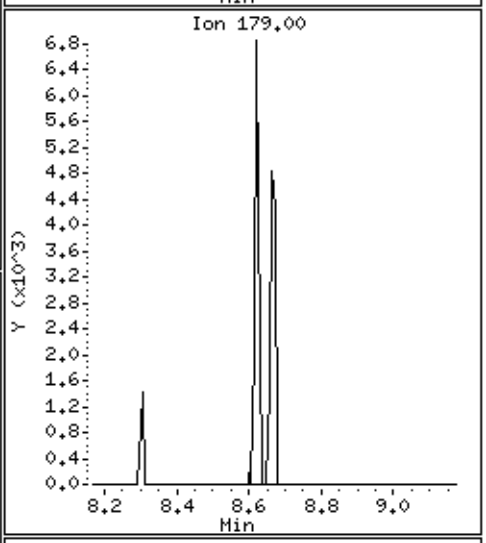
103 Anthracene

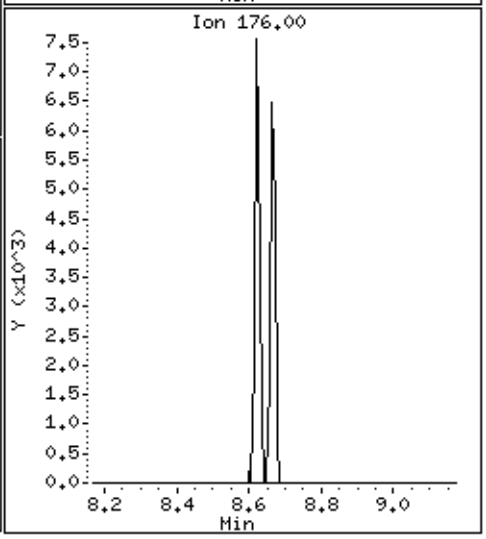
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

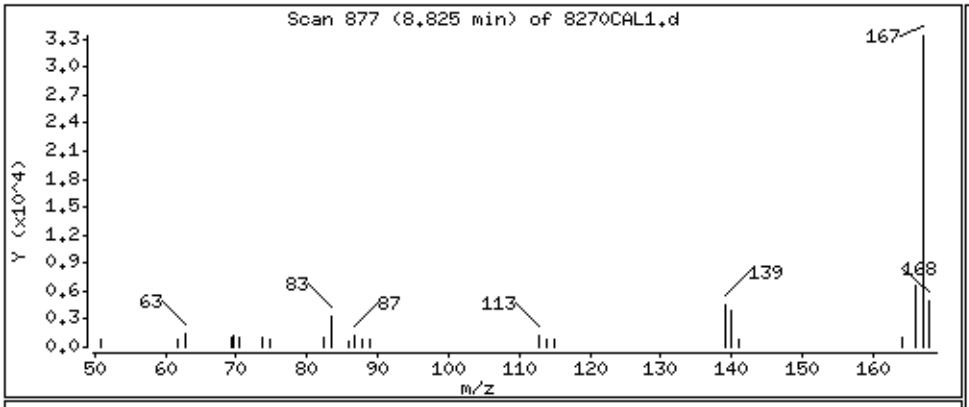
Operator: MJ

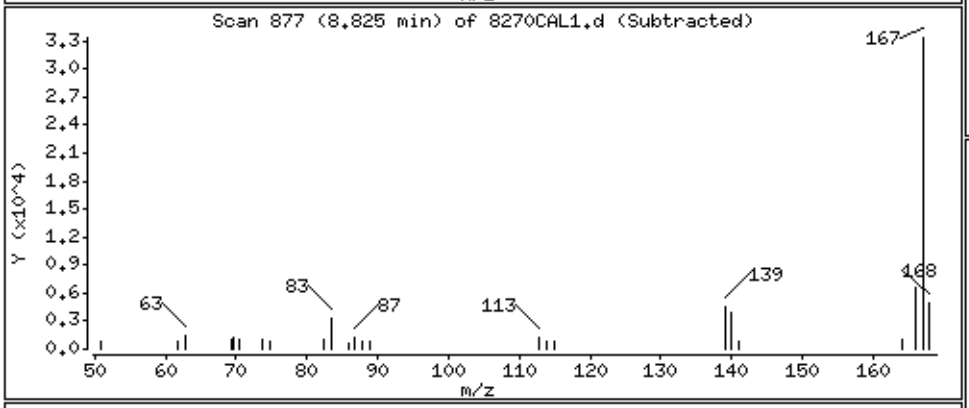
Column phase: HPMS-5

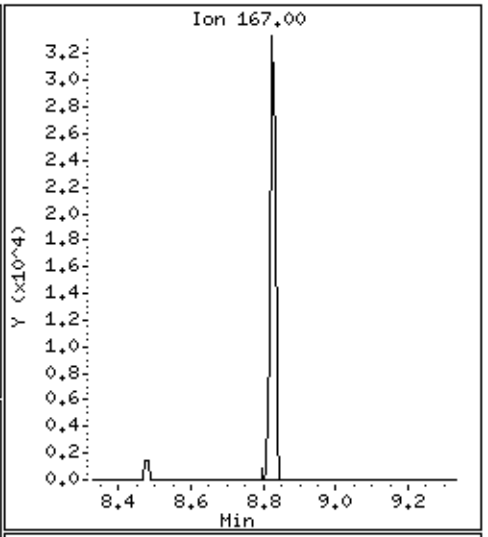
Column diameter: 0.25

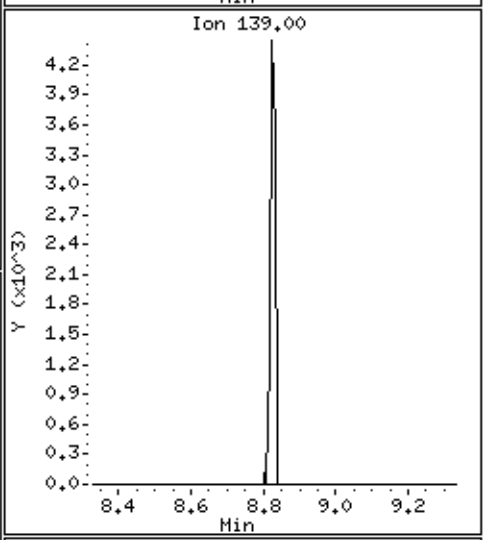
104 Carbazole

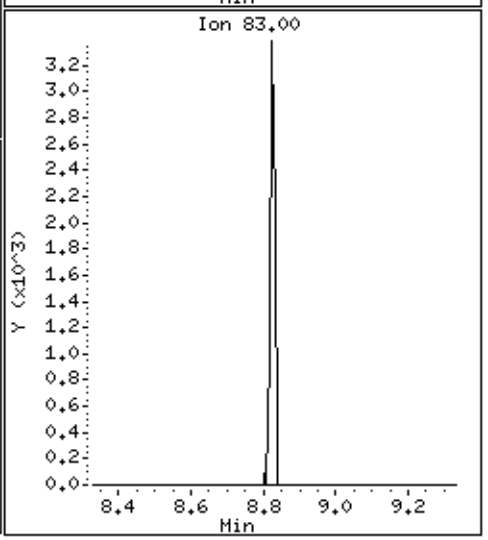
Concentration: 3.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

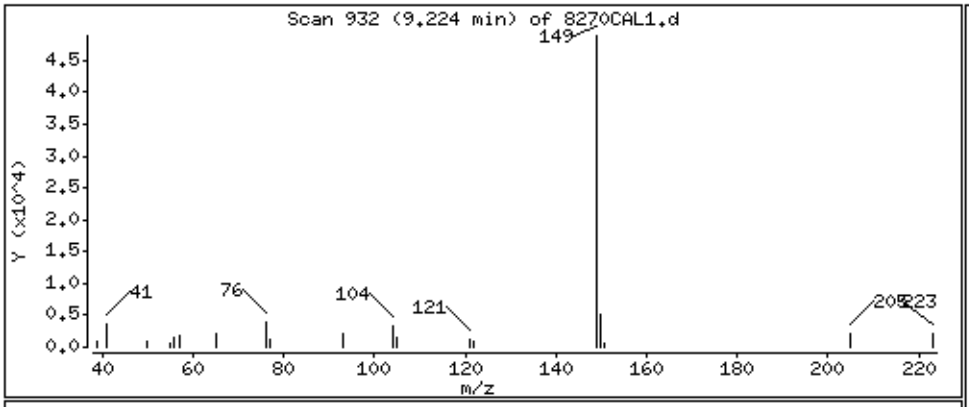
Operator: MJ

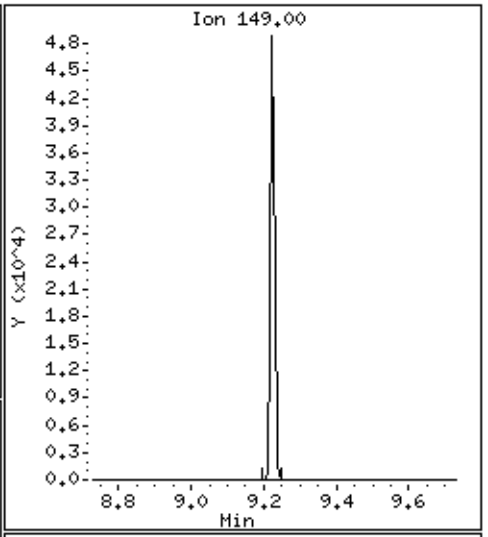
Column phase: HPMS-5

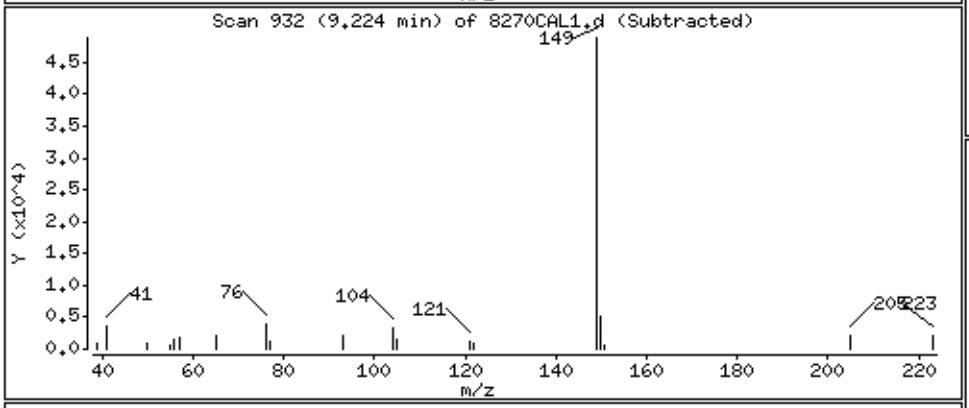
Column diameter: 0.25

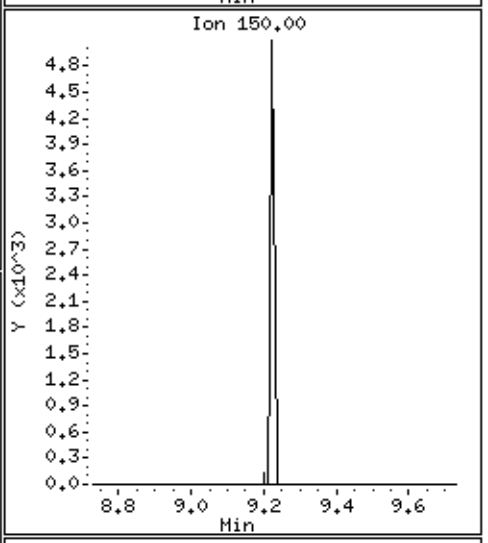
105 Di-n-butylphthalate

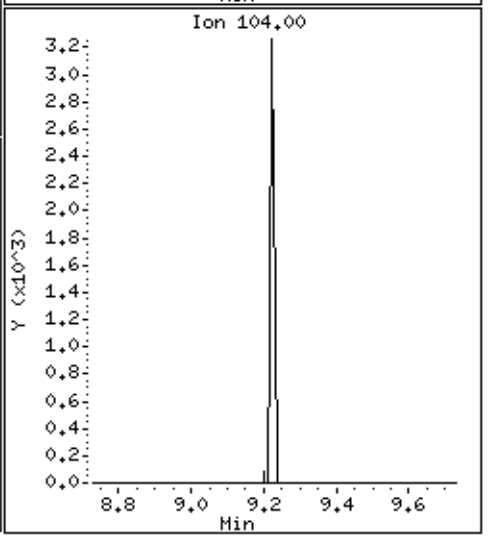
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

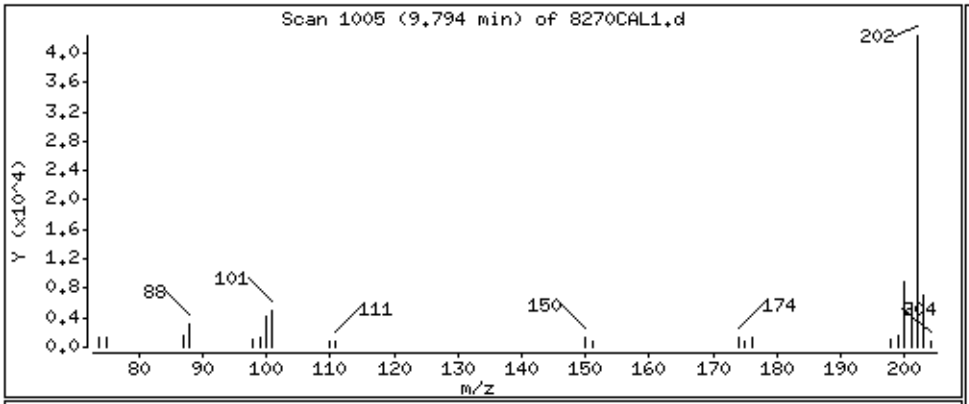
Operator: MJ

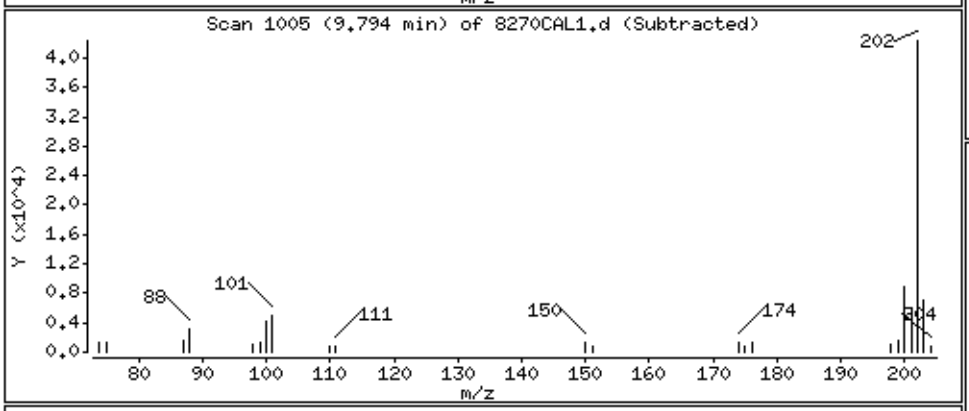
Column phase: HPMS-5

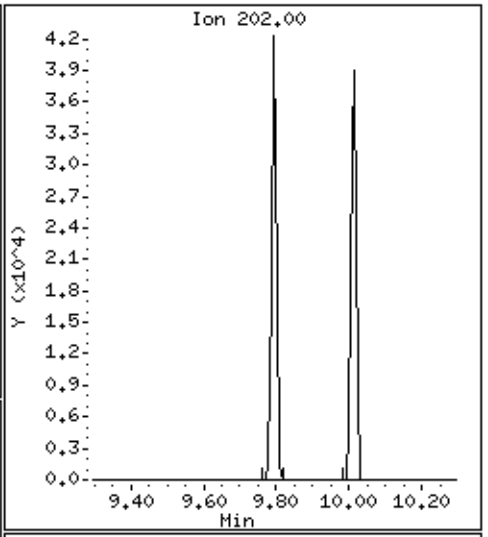
Column diameter: 0.25

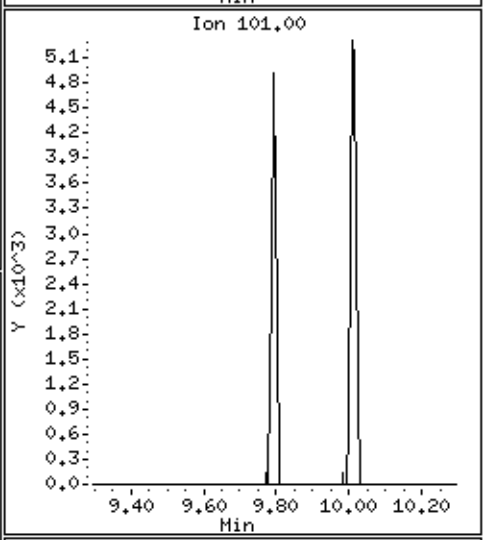
109 Fluoranthene

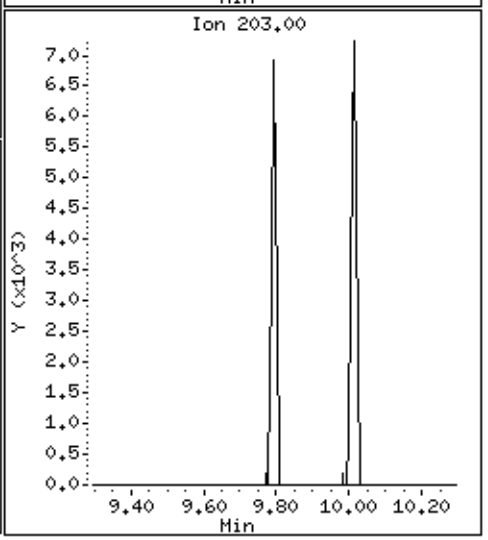
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

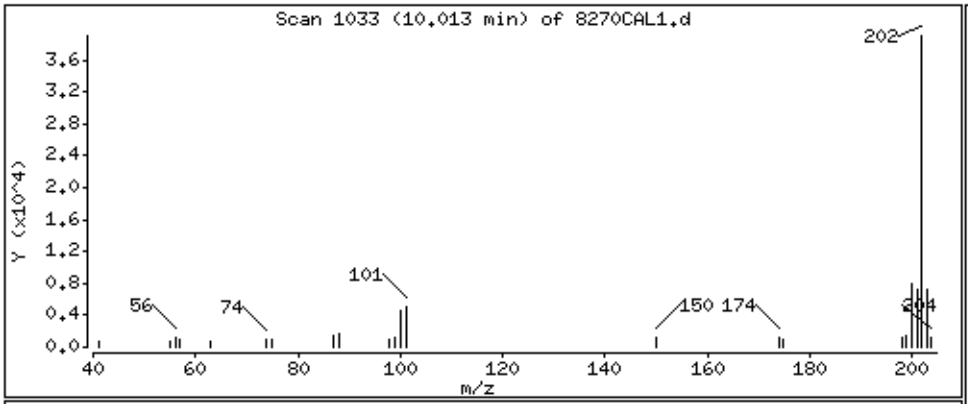
Operator: MJ

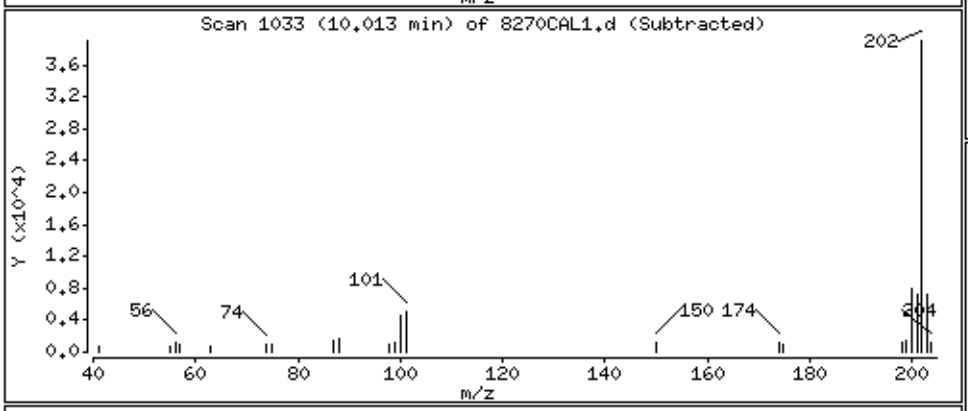
Column phase: HPMS-5

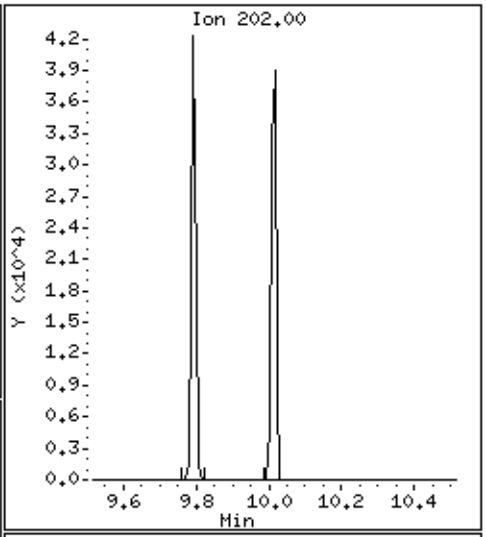
Column diameter: 0.25

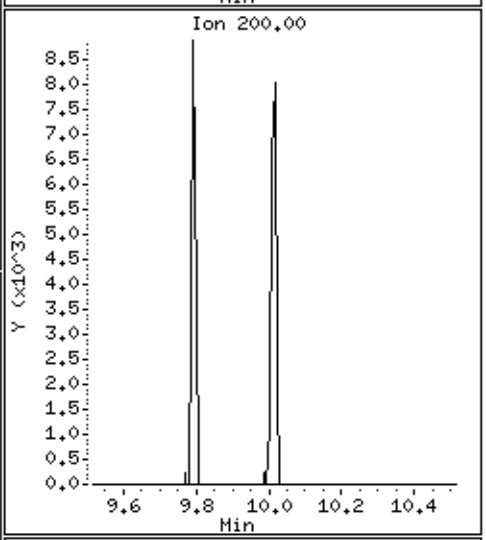
111 Pyrene

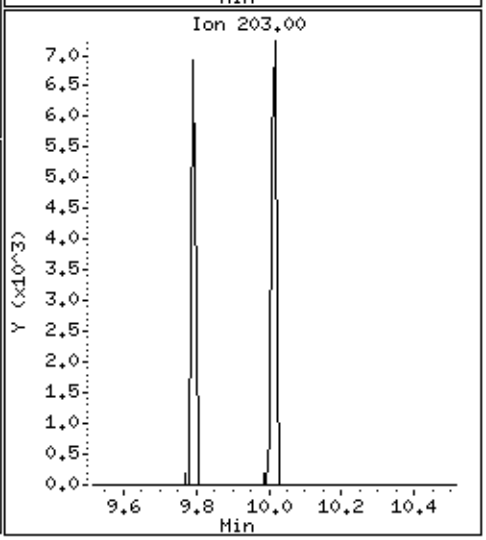
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

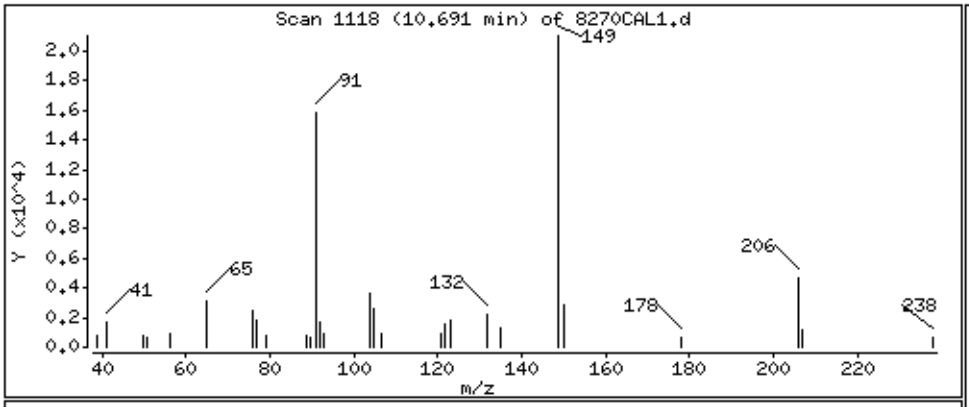
Operator: MJ

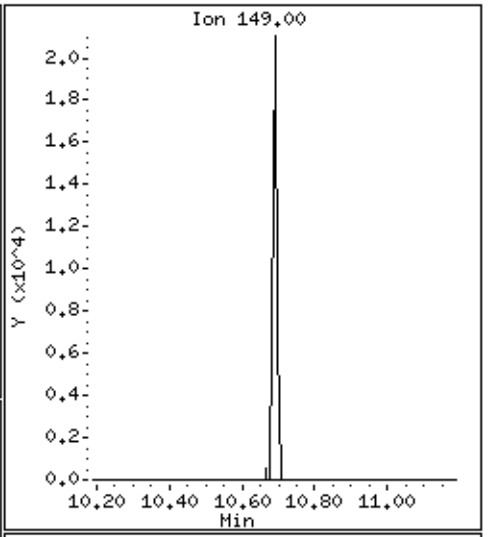
Column phase: HPMS-5

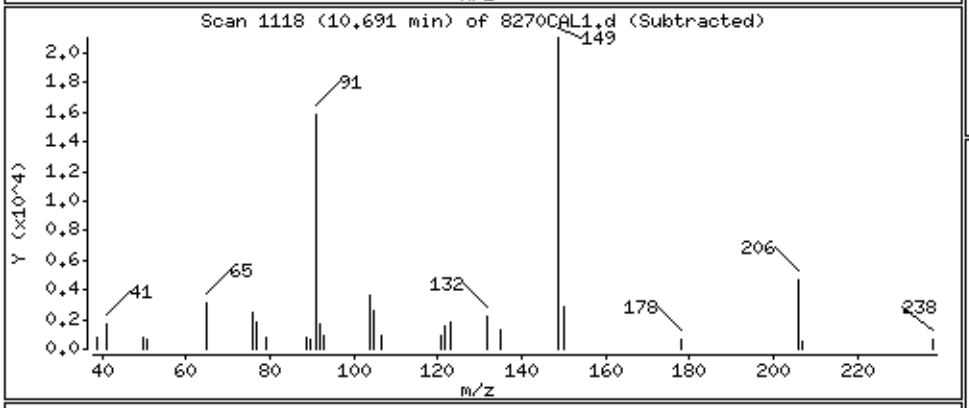
Column diameter: 0.25

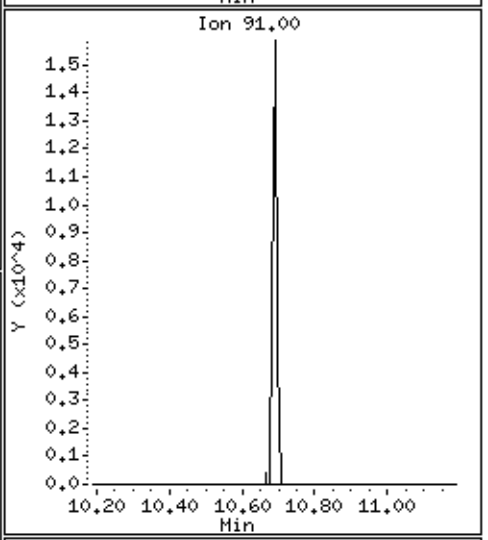
118 Butylbenzylphthalate

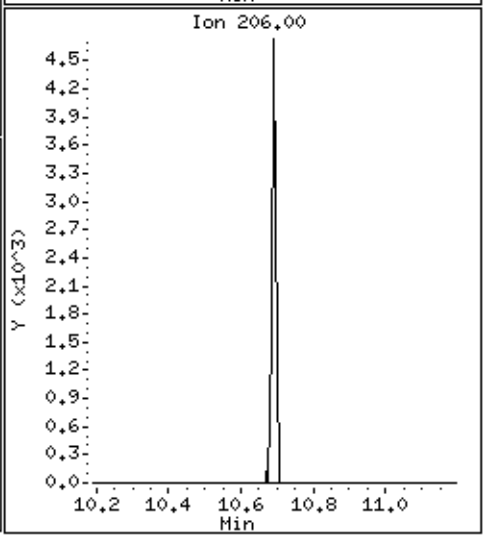
Concentration: 3.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

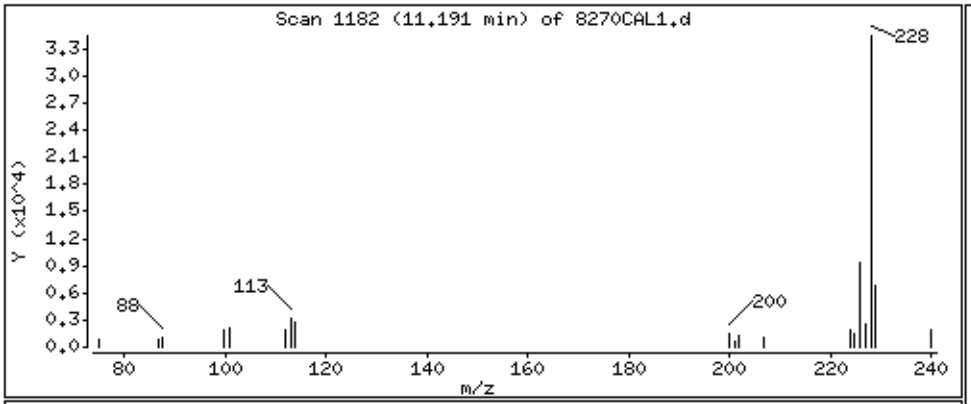
Operator: MJ

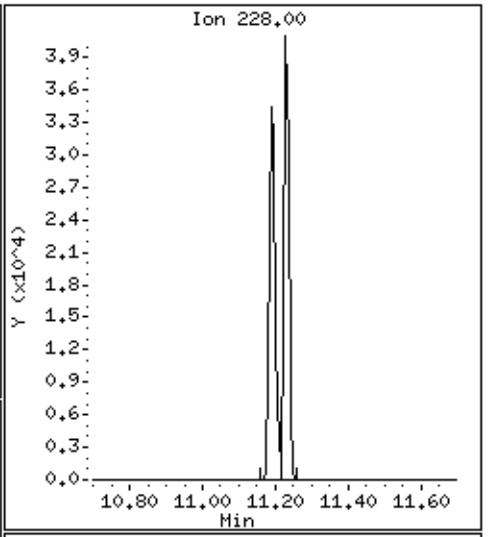
Column phase: HPMS-5

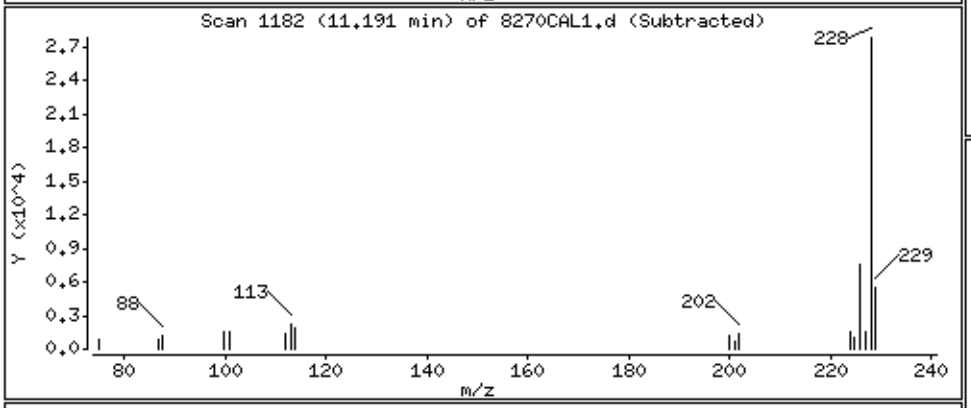
Column diameter: 0.25

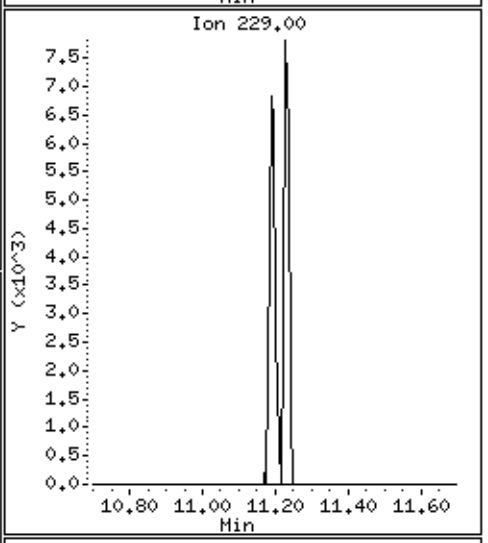
120 Benzo[a]anthracene

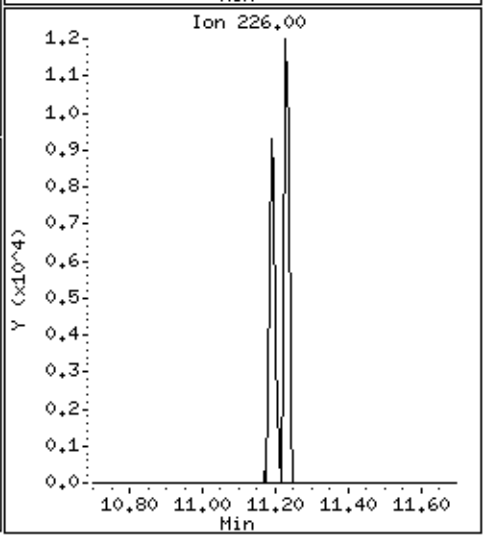
Concentration: 3.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

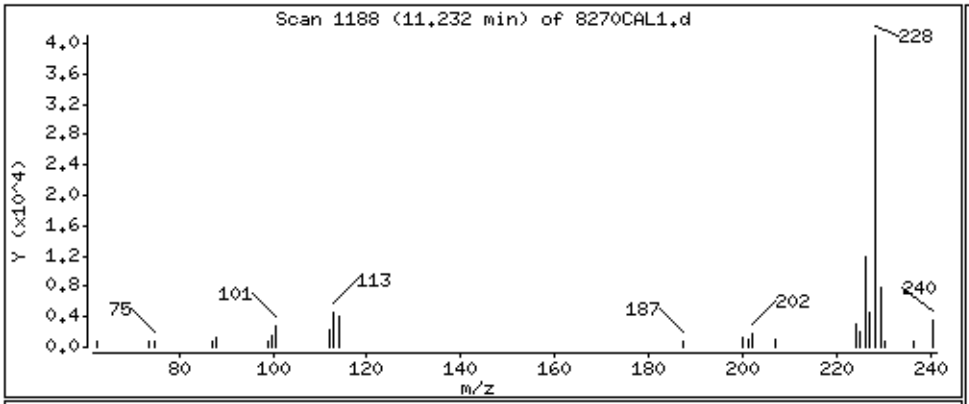
Operator: MJ

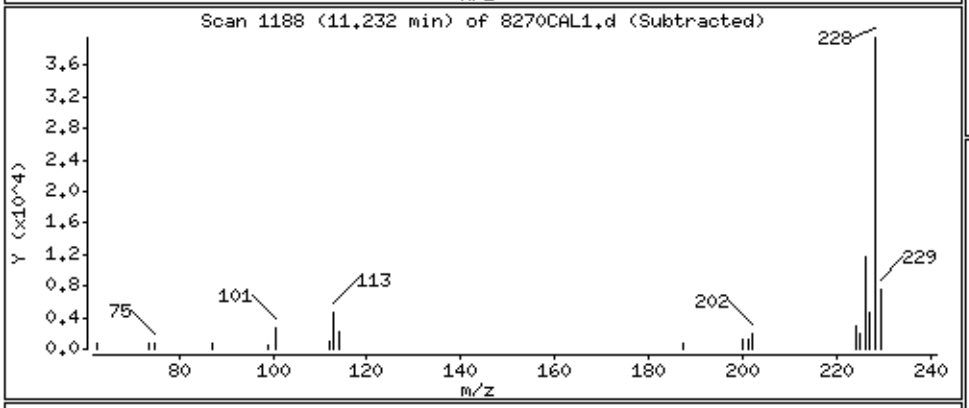
Column phase: HPMS-5

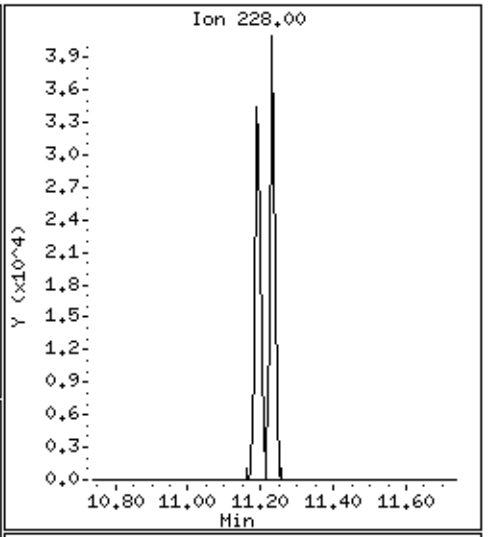
Column diameter: 0.25

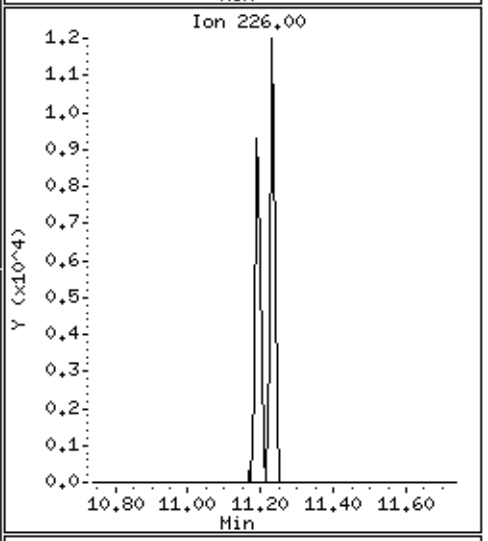
123 Chrysene

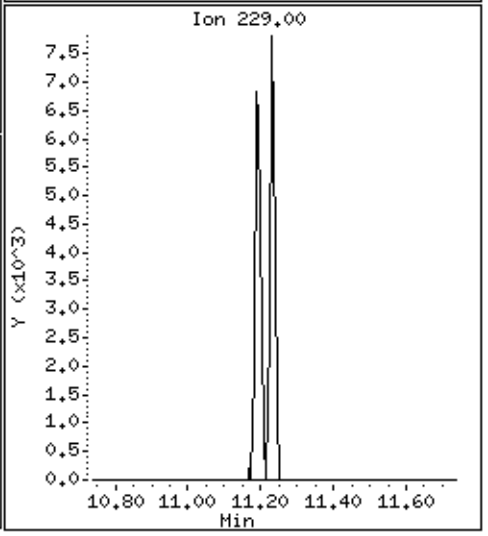
Concentration: 3.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

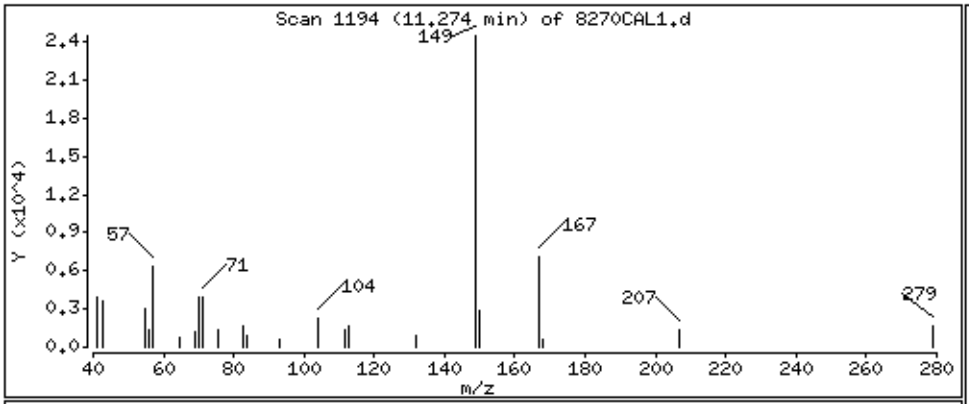
Operator: MJ

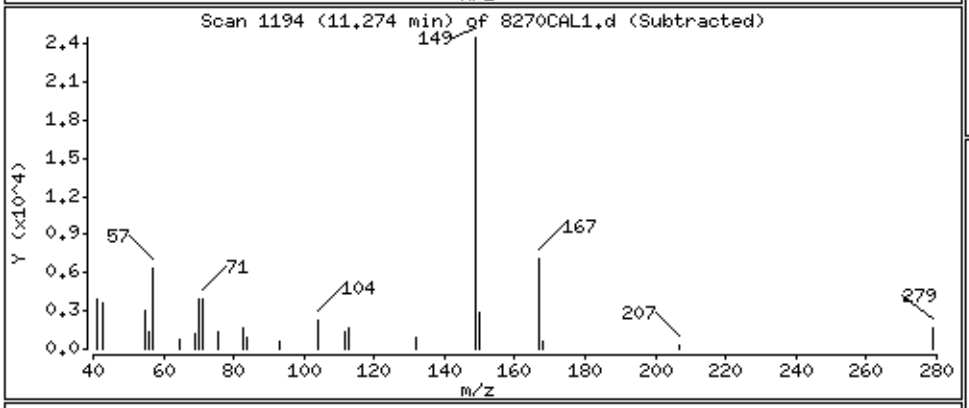
Column phase: HPMS-5

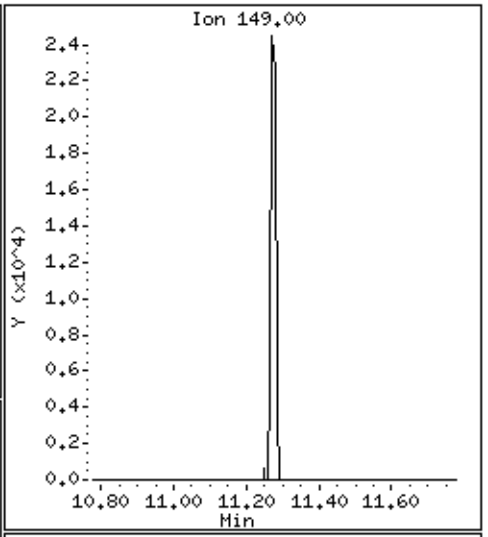
Column diameter: 0.25

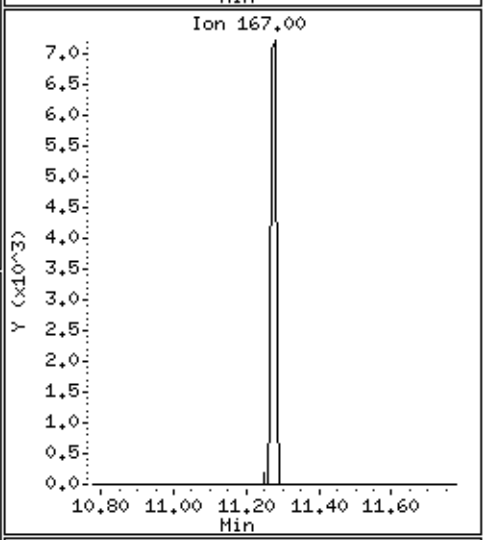
124 Bis-2-Ethylhexylphthalate

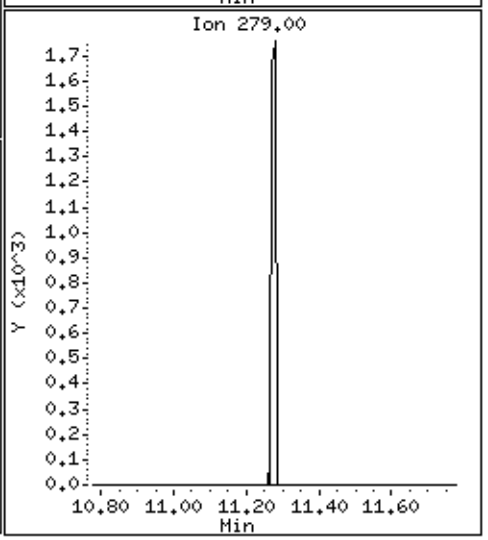
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

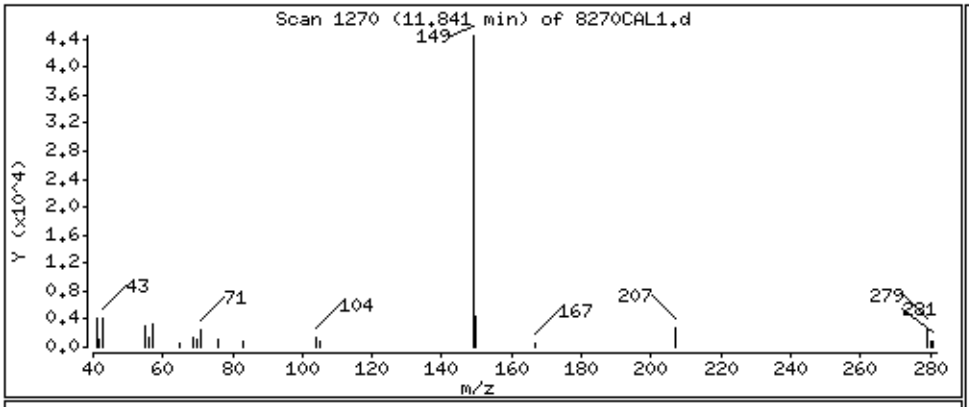
Operator: MJ

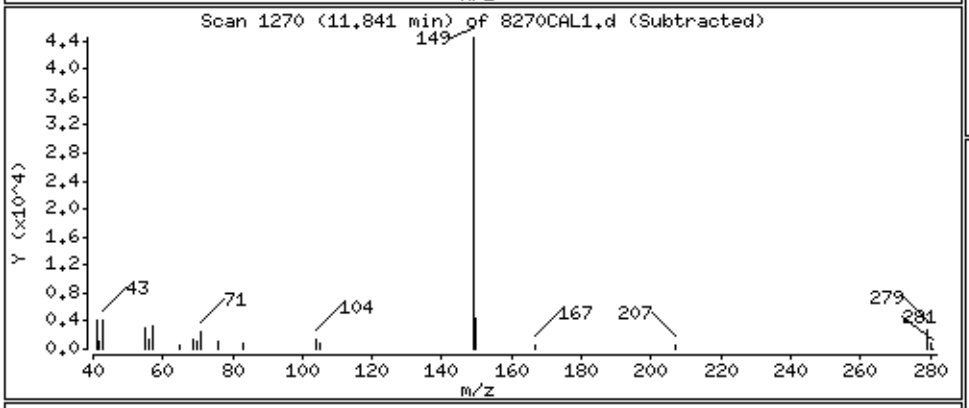
Column phase: HPMS-5

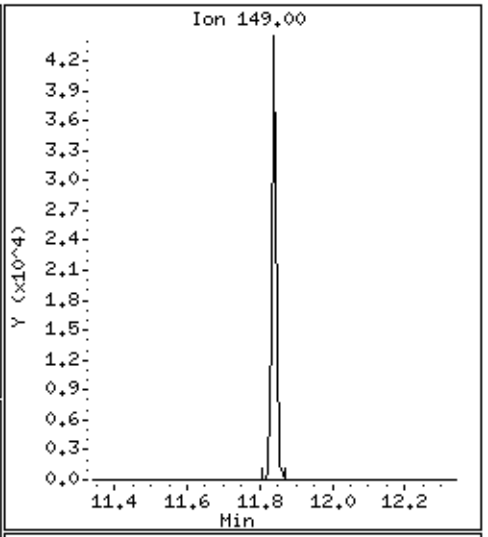
Column diameter: 0.25

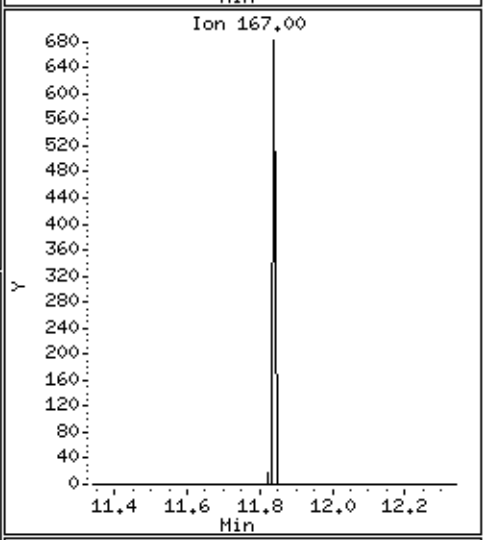
125 Di-n-octylphthalate

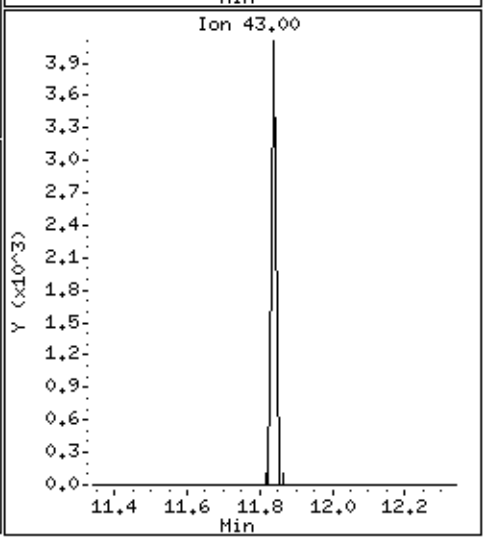
Concentration: 7.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

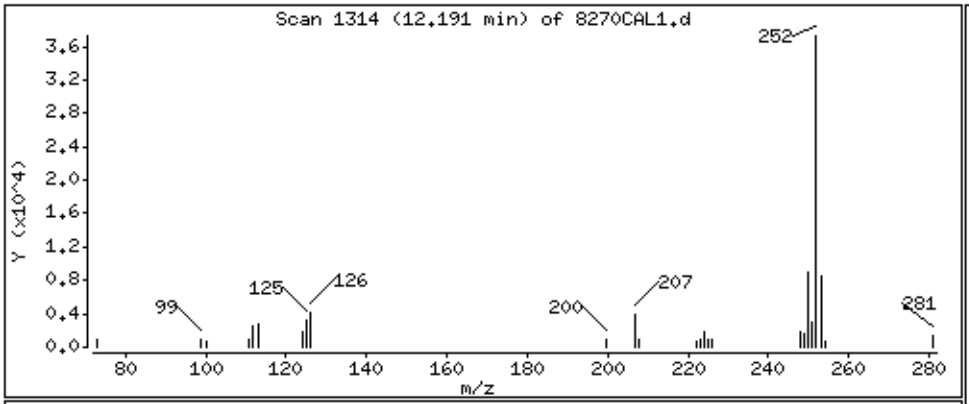
Operator: MJ

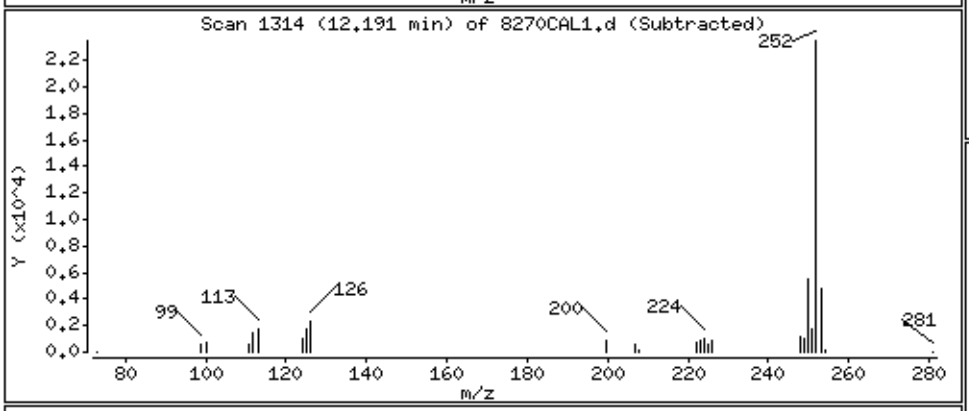
Column phase: HPMS-5

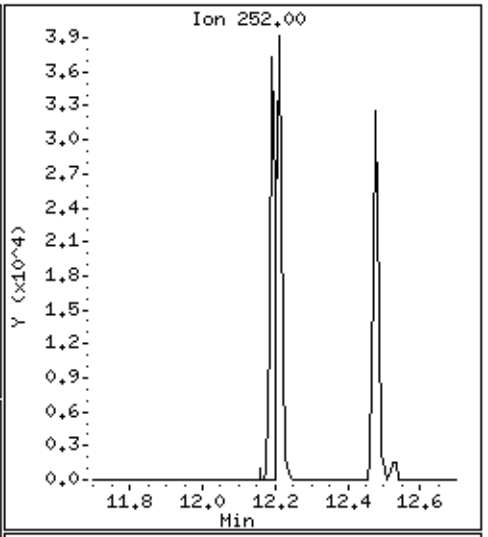
Column diameter: 0.25

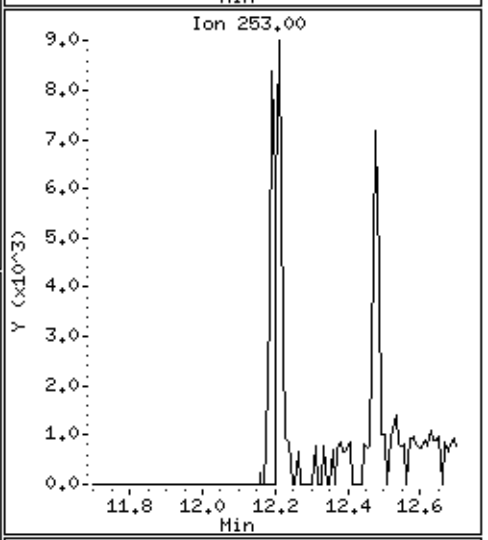
127 Benzo[b]fluoranthene

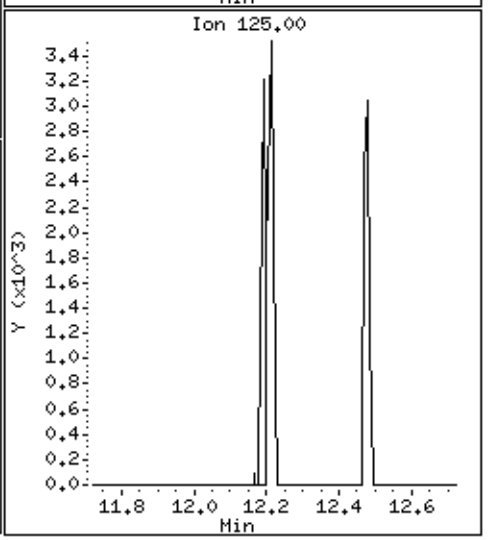
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

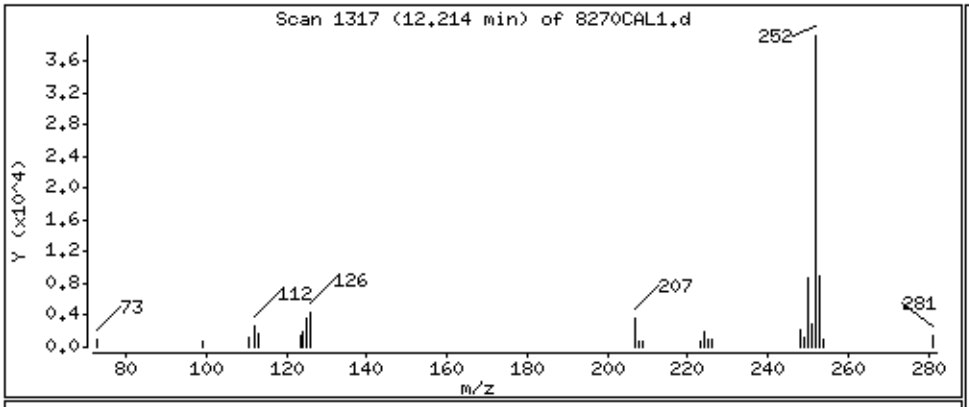
Operator: MJ

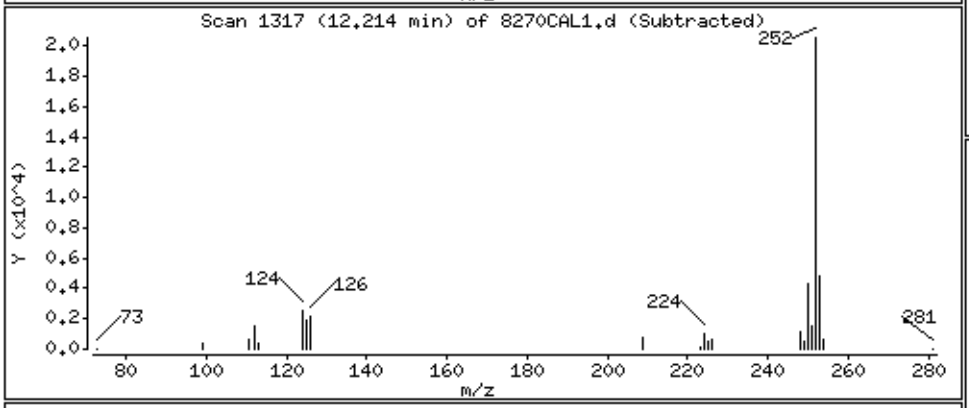
Column phase: HPMS-5

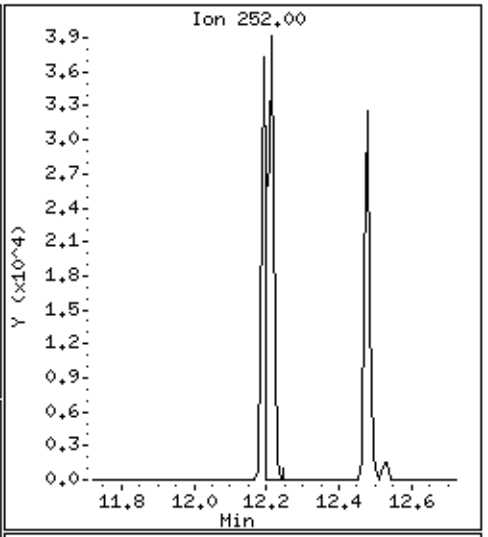
Column diameter: 0.25

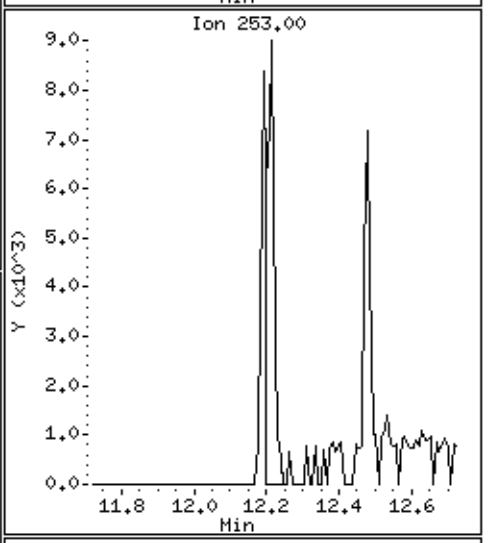
128 Benzo[k]fluoranthene

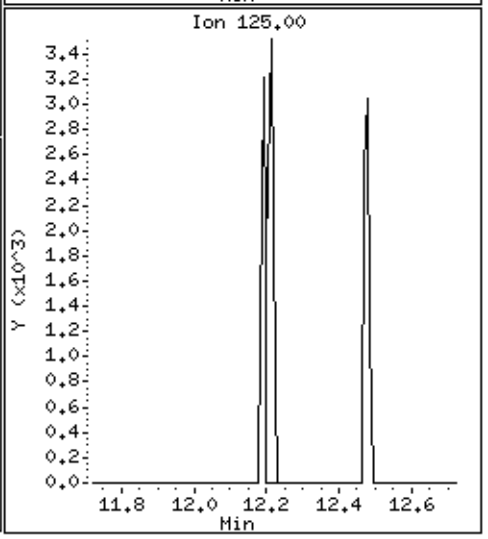
Concentration: 4.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

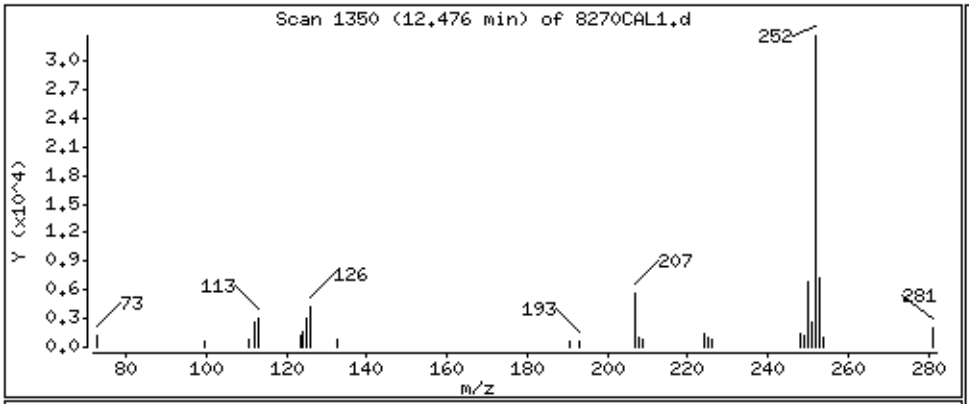
Operator: MJ

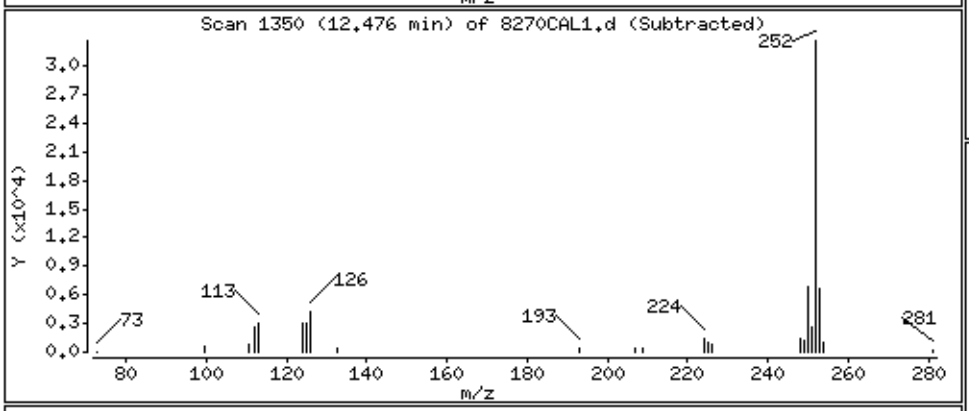
Column phase: HPMS-5

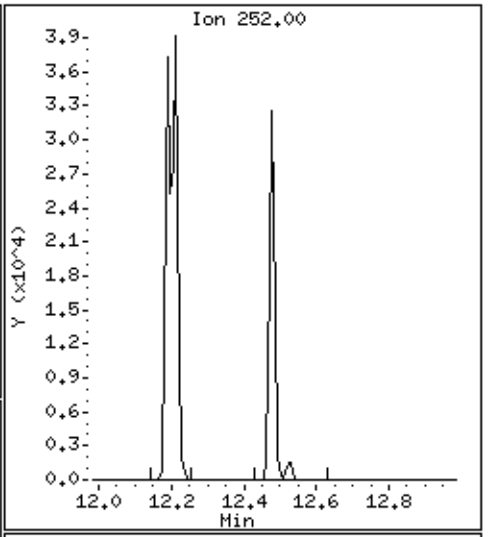
Column diameter: 0.25

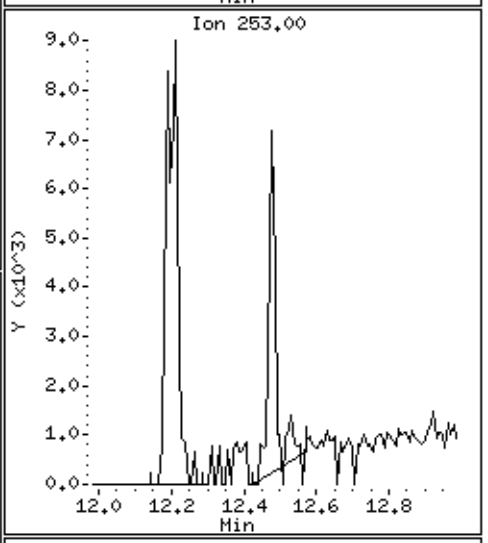
129 Benzo[a]pyrene

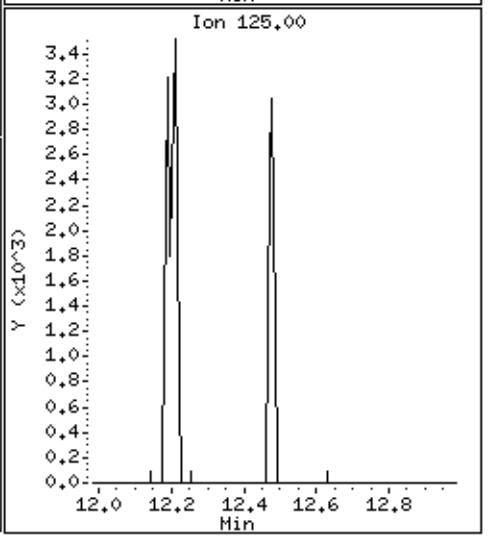
Concentration: 3.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

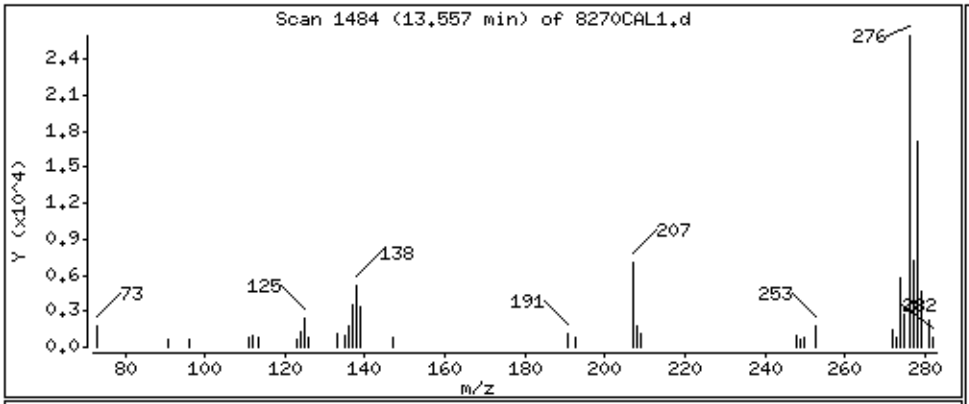
Operator: MJ

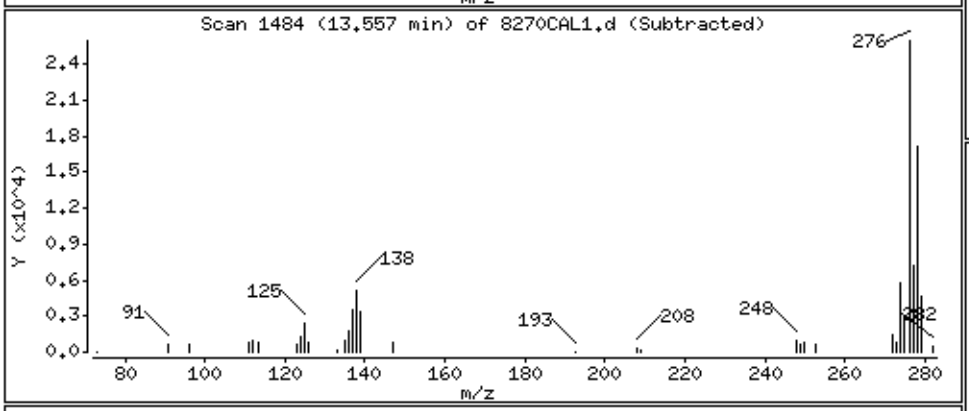
Column phase: HPMS-5

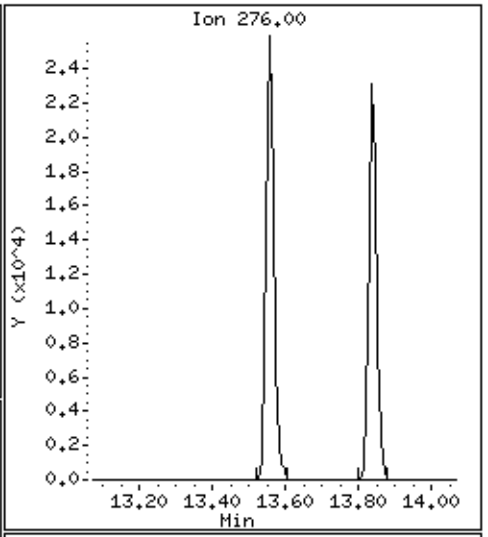
Column diameter: 0.25

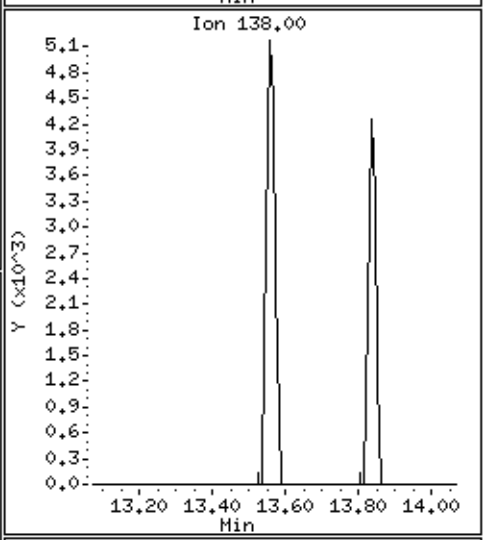
133 Indeno[1,2,3-cd]pyrene

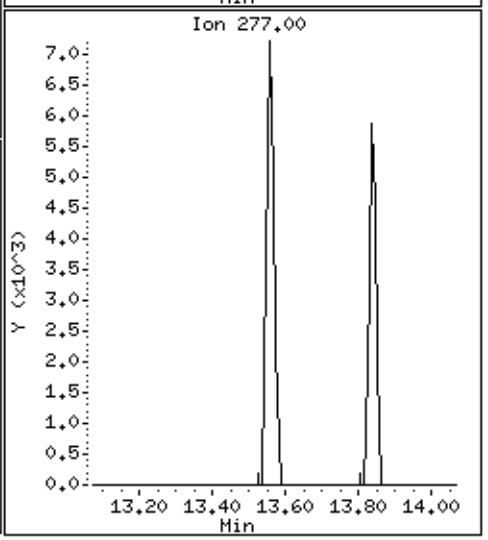
Concentration: 3.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

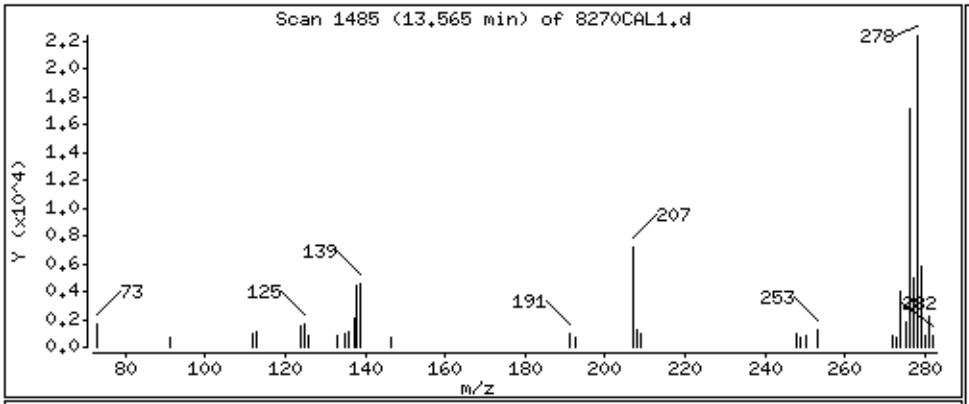
Operator: MJ

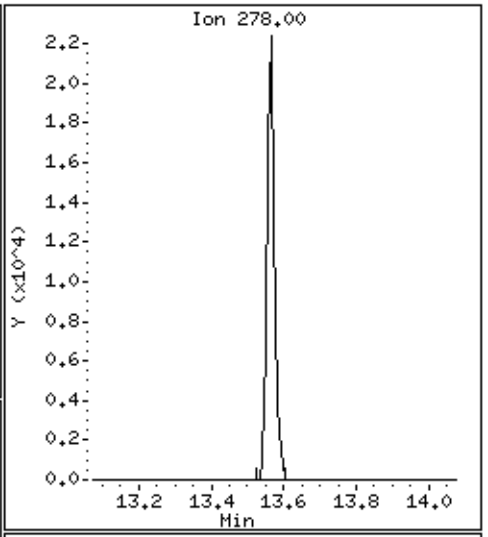
Column phase: HPMS-5

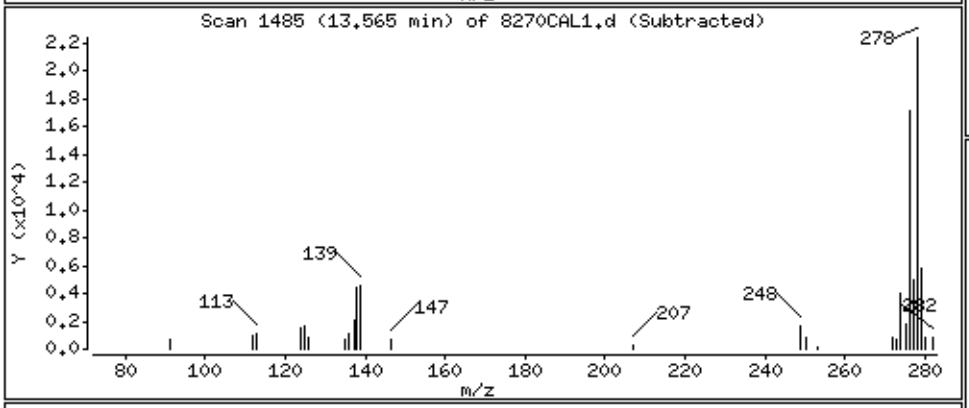
Column diameter: 0.25

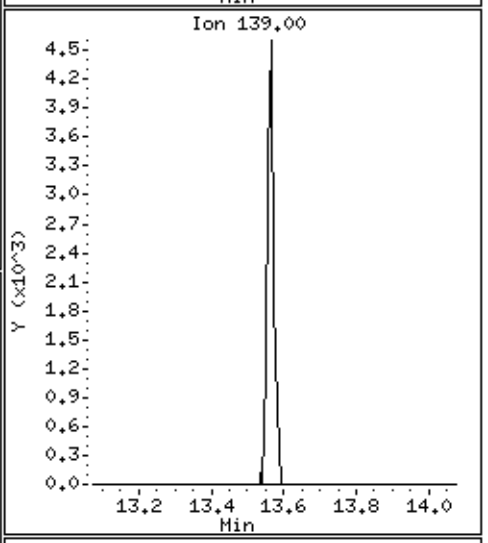
134 Dibenz[a,h]anthracene

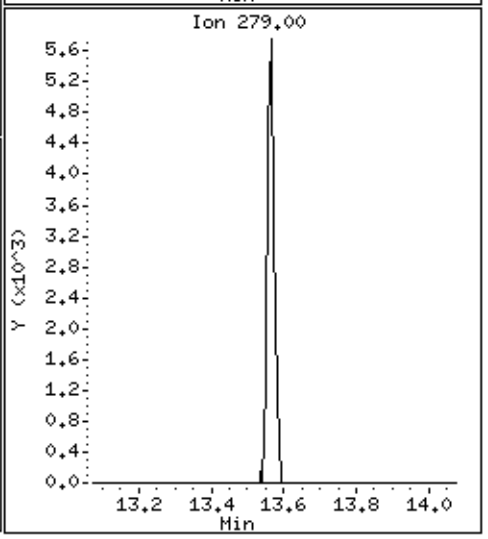
Concentration: 3.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270CAL1.d

Date : 15-NOV-2012 00:46

Client ID: 8270CAL1

Instrument: smsd04.i

Sample Info: 47769

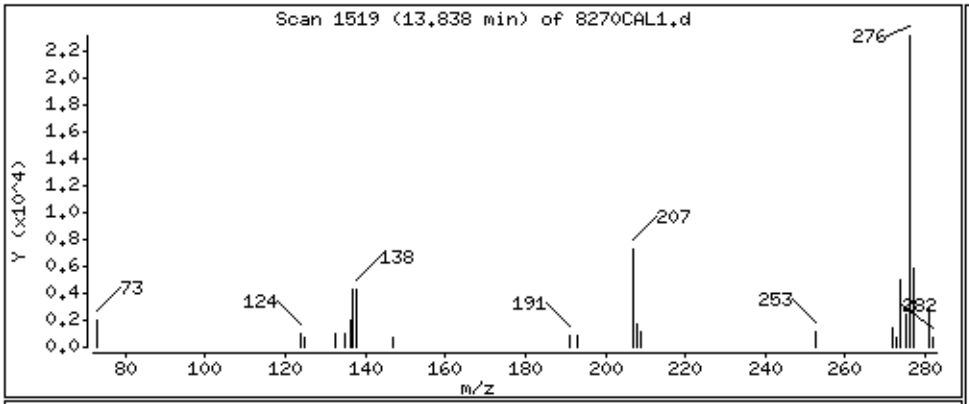
Operator: MJ

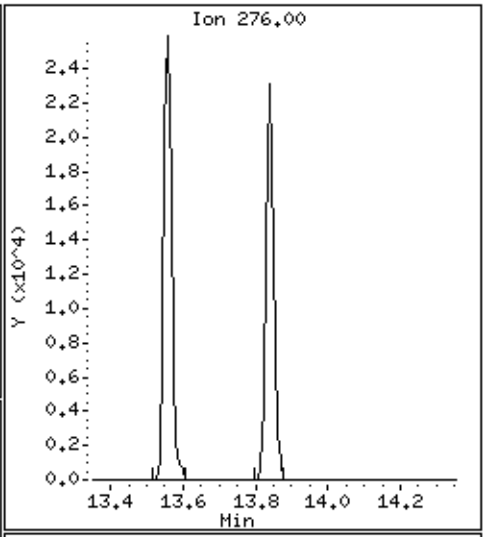
Column phase: HPMS-5

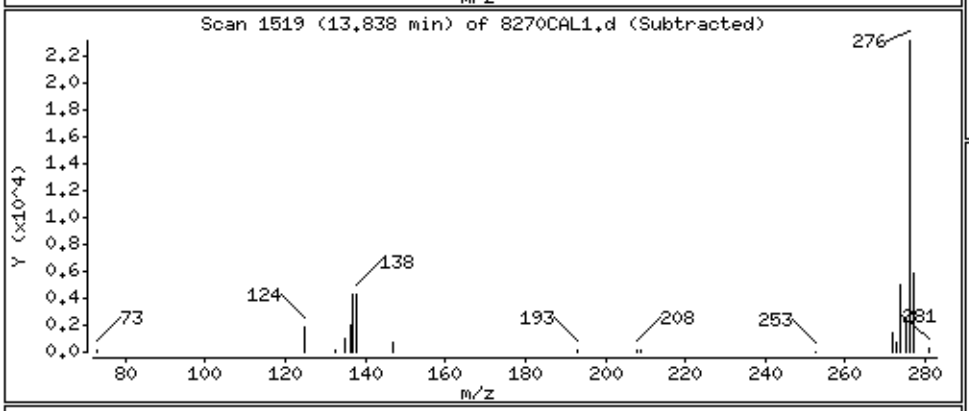
Column diameter: 0.25

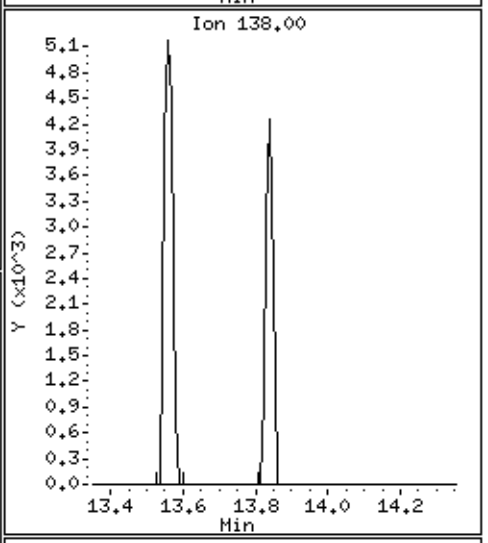
135 Benzo[g,h,i]perylene

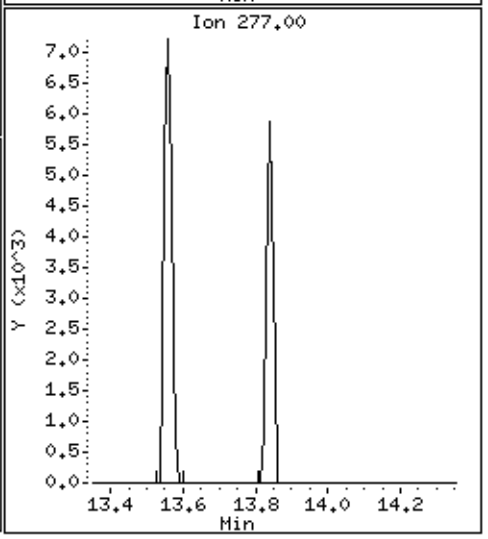
Concentration: 3.9 ug/kg











PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d
Lab Smp Id: 47770 Client Smp ID: 8270SEC
Inj Date : 15-NOV-2012 01:07 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47770
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-OCT-2012 13:17 Cal File: AP9CAL7.d
Als bottle: 28 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 8270caln.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Vf	1.000	Final Volume
Cpnd Variable		Local Compound Variable

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
2 Pyridine						CAS #: 110-86-1		
2.228	2.228 (0.519)		79	161534	45.0000	45.0	80.00- 120.00	100.00
2.228	2.228 (0.519)		52	105484			35.30- 95.30	65.30
M 16 Cresols (Total)						CAS #: 1319-77-3		
				299393	90.0000			(a)
1 N-Nitrosodimethylamine						CAS #: 62-75-9		
2.220	2.220 (0.517)		42	78790	45.0000	49.2	80.00- 120.00	100.00
2.220	2.220 (0.517)		74	100117			97.07- 157.07	127.07
2.221	2.221 (0.517)		44	3923			0.00- 34.98	4.98
$ 6 2-Fluorophenol (SURR)						CAS #: 367-12-4		
3.246	3.246 (0.755)		112	309587	90.0000	98.4	80.00- 120.00	100.00
3.246	3.246 (0.755)		64	193858			32.62- 92.62	62.62
$ 11 Phenol-d5 (SURR)						CAS #: 4165-62-2		
4.006	4.006 (0.932)		99	370158	90.0000	93.0	80.00- 120.00	100.00
4.006	4.006 (0.932)		42	73051			0.00- 49.74	19.74
4.006	4.006 (0.932)		71	157906			12.66- 72.66	42.66

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
13 Phenol							CAS #: 108-95-2	
4.016	4.016	(0.935)	94	224749	45.0000	49.7	80.00- 120.00	100.00
4.016	4.016	(0.935)	65	69548			0.94- 60.94	30.94
4.015	4.015	(0.935)	66	115525			21.40- 81.40	51.40
10 Aniline							CAS #: 62-53-3	
4.046	4.046	(0.942)	93	179213	45.0000	39.6	80.00- 120.00	100.00
4.046	4.046	(0.942)	65	37574			0.00- 50.97	20.97
4.046	4.046	(0.942)	66	76977			12.95- 72.95	42.95
14 Bis(2-Chloroethyl)ether							CAS #: 111-44-4	
4.094	4.094	(0.953)	93	166234	45.0000	53.2	80.00- 120.00	100.00
4.093	4.093	(0.953)	63	121414			43.04- 103.04	73.04
4.094	4.094	(0.953)	95	53025			1.90- 61.90	31.90
15 2-Chlorophenol							CAS #: 95-57-8	
4.142	4.142	(0.964)	128	146342	45.0000	47.7	80.00- 120.00	100.00
4.142	4.142	(0.964)	64	79235			24.14- 84.14	54.14
4.142	4.142	(0.964)	130	47053			2.15- 62.15	32.15
17 1,3-Dichlorobenzene							CAS #: 541-73-1	
4.267	4.267	(0.993)	146	176759	45.0000	48.2	80.00- 120.00	100.00
4.267	4.267	(0.993)	148	113399			34.15- 94.15	64.15
4.267	4.267	(0.993)	111	78378			14.34- 74.34	44.34
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.297	4.294	(1.000)	152	98786	40.0000		80.00- 120.00	100.00(Q)
4.296	4.294	(1.000)	115	62940			34.81- 94.81	63.71
4.297	4.294	(1.000)	150	190623			126.51- 186.51	192.97
19 1,4-Dichlorobenzene							CAS #: 106-46-7	
4.311	4.311	(1.003)	146	177174	45.0000	46.7	80.00- 120.00	100.00
4.311	4.311	(1.003)	148	117114			36.10- 96.10	66.10
4.311	4.311	(1.003)	111	79647			14.95- 74.95	44.95
21 Benzyl alcohol							CAS #: 100-51-6	
4.429	4.429	(1.031)	108	97193	45.0000	48.6	80.00- 120.00	100.00(M)
4.429	4.429	(1.031)	79	151646			126.03- 186.03	156.03
4.429	4.429	(1.031)	77	103758			76.75- 136.75	106.75
20 1,2-Dichlorobenzene							CAS #: 95-50-1	
4.478	4.478	(1.042)	146	167181	45.0000	47.4	80.00- 120.00	100.00
4.478	4.478	(1.042)	148	105931			33.36- 93.36	63.36
4.478	4.478	(1.042)	111	80363			18.07- 78.07	48.07
22 2-Methylphenol							CAS #: 95-48-7	
4.538	4.538	(1.056)	107	119573	45.0000	47.8	80.00- 120.00	100.00
4.538	4.538	(1.056)	108	135784			83.56- 143.56	113.56
4.538	4.538	(1.056)	79	69100			27.79- 87.79	57.79
23 2,2'-oxybis(1-chloropropane)							CAS #: 108-60-1	
4.571	4.571	(1.064)	45	198065	45.0000	49.2	80.00- 120.00	100.00
4.571	4.571	(1.064)	77	34338			0.00- 47.34	17.34

					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
23 2,2'-oxybis(1-chloropropane) (continued)								
4.571	4.571 (1.064)		121	52906			0.00- 56.71	26.71
28 4-Methylphenol						CAS #: 106-44-5		
4.668	4.668 (1.086)		107	179820	45.0000	48.3	80.00- 120.00	100.00
4.668	4.668 (1.086)		108	147229			51.88- 111.88	81.88
4.668	4.668 (1.086)		79	49917			0.00- 57.76	27.76
26 N-Nitrosodinpropylamine						CAS #: 621-64-7		
4.699	4.699 (1.094)		70	132843	45.0000	50.2	80.00- 120.00	100.00(M)
4.699	4.699 (1.094)		42	68456			21.53- 81.53	51.53
4.699	4.699 (1.094)		130	28434			0.00- 51.40	21.40
30 Hexachloroethane						CAS #: 67-72-1		
4.753	4.753 (1.106)		117	76970	45.0000	48.0	80.00- 120.00	100.00
4.754	4.754 (1.106)		201	71881			63.39- 123.39	93.39
4.754	4.754 (1.106)		199	43413			26.40- 86.40	56.40
$ 31 Nitrobenzene-d5 (SURR)						CAS #: 4165-60-0		
4.818	4.818 (0.881)		82	187861	45.0000	45.0	80.00- 120.00	100.00
4.818	4.818 (0.881)		128	68914			6.68- 66.68	36.68
4.818	4.818 (0.881)		54	92283			19.12- 79.12	49.12
32 Nitrobenzene						CAS #: 98-95-3		
4.834	4.834 (0.884)		77	195744	45.0000	46.8	80.00- 120.00	100.00
4.835	4.835 (0.884)		123	71893			6.73- 66.73	36.73
4.834	4.834 (0.884)		65	27084			0.00- 43.84	13.84
34 Isophorone						CAS #: 78-59-1		
5.046	5.046 (0.923)		82	315757	45.0000	45.1	80.00- 120.00	100.00
5.047	5.047 (0.923)		138	50244			0.00- 45.91	15.91
5.046	5.046 (0.923)		95	24550			0.00- 37.77	7.77
35 2-Nitrophenol						CAS #: 88-75-5		
5.128	5.128 (0.938)		139	81454	45.0000	48.3	80.00- 120.00	100.00
5.127	5.127 (0.938)		65	51846			33.65- 93.65	63.65
5.127	5.127 (0.938)		109	35088			13.08- 73.08	43.08
36 2,4-Dimethylphenol						CAS #: 105-67-9		
5.158	5.158 (0.944)		122	132129	45.0000	53.6	80.00- 120.00	100.00
5.158	5.158 (0.944)		107	172327			100.42- 160.42	130.42
5.158	5.158 (0.944)		121	76273			27.73- 87.73	57.73
38 Bis(2-Chloroethoxy)methane						CAS #: 111-91-1		
5.252	5.252 (0.961)		93	206129	45.0000	50.4	80.00- 120.00	100.00
5.252	5.252 (0.961)		95	67332			2.66- 62.66	32.66
5.252	5.252 (0.961)		123	28417			0.00- 43.79	13.79
40 Benzoic Acid						CAS #: 65-85-0		
5.267	5.267 (0.963)		122	77702	45.0000	43.9	80.00- 120.00	100.00
5.267	5.267 (0.963)		105	112099			114.27- 174.27	144.27
5.267	5.267 (0.963)		77	96979			94.81- 154.81	124.81

					AMOUNTS			
RT	EXP RT	REL RT	MASS	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
	41 2,4-Dichlorophenol					CAS #: 120-83-2		
5.342	5.342	(0.977)	162	134895	45.0000	46.8	80.00- 120.00	100.00
5.342	5.342	(0.977)	164	86794			34.34- 94.34	64.34
5.342	5.342	(0.977)	98	51669			8.30- 68.30	38.30
	42 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
5.427	5.427	(0.993)	180	150577	45.0000	46.4	80.00- 120.00	100.00
5.427	5.427	(0.993)	182	149329			69.17- 129.17	99.17
5.427	5.427	(0.993)	145	45787			0.41- 60.41	30.41
*	43 Naphthalene-d8					CAS #: 1146-65-2		
5.467	5.463	(1.000)	136	332784	40.0000		80.00- 120.00	100.00
5.466	5.463	(1.000)	68	24578			0.00- 37.51	7.39
	44 Naphthalene					CAS #: 91-20-3		
5.486	5.486	(1.003)	128	430267	45.0000	48.9	80.00- 120.00	100.00
5.485	5.485	(1.003)	129	46374			0.00- 40.78	10.78
5.486	5.486	(1.003)	127	57195			0.00- 42.17	13.29
	45 4-Chloroaniline					CAS #: 106-47-8		
5.552	5.552	(1.016)	127	170342	45.0000	47.3	80.00- 120.00	100.00
5.552	5.552	(1.016)	129	55009			2.29- 62.29	32.29
5.551	5.551	(1.015)	65	65699			8.57- 68.57	38.57
	48 Hexachlorobutadiene					CAS #: 87-68-3		
5.654	5.654	(1.034)	225	117064	45.0000	50.3	80.00- 120.00	100.00
5.654	5.654	(1.034)	223	72357			31.81- 91.81	61.81
5.654	5.654	(1.034)	227	75834			34.78- 94.78	64.78
	51 4-Chloro-3-methylphenol					CAS #: 59-50-7		
6.009	6.009	(1.099)	107	145525	45.0000	47.0	80.00- 120.00	100.00
6.009	6.009	(1.099)	144	34253			0.00- 53.54	23.54
6.009	6.009	(1.099)	142	107558			43.91- 103.91	73.91
	53 2-Methylnaphthalene					CAS #: 91-57-6		
6.141	6.141	(1.123)	142	287598	45.0000	48.6	80.00- 120.00	100.00
6.141	6.141	(1.123)	141	245900			55.50- 115.50	85.50
	54 1-Methylnaphthalene					CAS #: 90-12-0		
6.247	6.247	(1.143)	142	245631	45.0000	45.1	80.00- 120.00	100.00
6.247	6.247	(1.143)	141	218075			58.78- 118.78	88.78
	55 Hexachlorocyclopentadiene					CAS #: 77-47-4		
6.360	6.360	(0.887)	237	103028	45.0000	45.4	80.00- 120.00	100.00
6.360	6.360	(0.887)	235	65340			33.42- 93.42	63.42
6.360	6.360	(0.887)	272	12236			0.00- 41.88	11.88
	57 2,4,6-Trichlorophenol					CAS #: 88-06-2		
6.438	6.438	(0.898)	196	105045	45.0000	47.6	80.00- 120.00	100.00
6.438	6.438	(0.898)	198	102465			67.54- 127.54	97.54
6.438	6.438	(0.898)	200	32753			1.18- 61.18	31.18
	58 2,4,5-Trichlorophenol					CAS #: 95-95-4		
6.472	6.472	(0.903)	196	116522	45.0000	48.8	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
	58 2,4,5-Trichlorophenol (continued)							
6.472	6.472	(0.903)	198	109915			64.33- 124.33	94.33
6.472	6.472	(0.903)	97	67061			27.55- 87.55	57.55
$ 59	2-Fluorobiphenyl (SURR)					CAS #: 321-60-8		
6.514	6.514	(0.909)	172	343320	45.0000	45.8	80.00- 120.00	100.00
6.514	6.514	(0.909)	171	119807			4.90- 64.90	34.90
	62 2-Chloronaphthalene					CAS #: 91-58-7		
6.610	6.610	(0.922)	162	299135	45.0000	48.3	80.00- 120.00	100.00
6.610	6.610	(0.922)	164	94983			1.75- 61.75	31.75
6.610	6.610	(0.922)	127	115785			8.71- 68.71	38.71
	63 2-Nitroaniline					CAS #: 88-74-4		
6.741	6.741	(0.940)	65	114853	45.0000	53.3	80.00- 120.00	100.00
6.741	6.741	(0.940)	92	74807			35.13- 95.13	65.13
6.741	6.741	(0.940)	138	102824			59.53- 119.53	89.53
	65 Dimethylphthalate					CAS #: 131-11-3		
6.950	6.950	(0.969)	163	360319	45.0000	49.2	80.00- 120.00	100.00
6.950	6.950	(0.969)	194	20772			0.00- 35.76	5.76
6.949	6.949	(0.969)	164	36996			0.00- 39.66	10.27
	68 Acenaphthylene					CAS #: 208-96-8		
7.020	7.020	(0.979)	152	475315	45.0000	49.0	80.00- 120.00	100.00
7.020	7.020	(0.979)	151	96002			0.00- 50.20	20.20
7.020	7.020	(0.979)	153	61889			0.00- 43.02	13.02
	67 2,6-Dinitrotoluene					CAS #: 606-20-2		
7.015	7.015	(0.978)	165	83168	45.0000	50.1	80.00- 120.00	100.00
7.015	7.015	(0.978)	89	57761			39.45- 99.45	69.45
7.016	7.016	(0.978)	63	87040			74.66- 134.66	104.66
	69 3-Nitroaniline					CAS #: 99-09-2		
7.146	7.146	(0.997)	138	82826	45.0000	52.7	80.00- 120.00	100.00
7.146	7.146	(0.997)	108	10228			0.00- 42.35	12.35
7.145	7.145	(0.997)	92	111497			104.62- 164.62	134.62
* 70	Acenaphthene-d10					CAS #: 15067-26-2		
7.170	7.167	(1.000)	164	209703	40.0000		80.00- 120.00	100.00
7.170	7.168	(1.000)	162	200154			66.12- 126.12	95.45
7.170	7.167	(1.000)	160	89872			13.21- 73.21	42.86
	71 Acenaphthene					CAS #: 83-32-9		
7.201	7.201	(1.004)	154	266223	45.0000	47.6	80.00- 120.00	100.00
7.200	7.200	(1.004)	153	285332			77.18- 137.18	107.18
7.200	7.200	(1.004)	152	136333			21.21- 81.21	51.21
	72 2,4-Dinitrophenol					CAS #: 51-28-5		
7.243	7.243	(1.010)	184	53176	45.0000	52.3	80.00- 120.00	100.00
7.242	7.242	(1.010)	63	41573			48.18- 108.18	78.18
7.242	7.242	(1.010)	154	33525			33.05- 93.05	63.05

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
74 4-Nitrophenol							CAS #: 100-02-7	
7.303	7.303	(1.019)	109	67195	45.0000	50.9	80.00- 120.00	100.00
7.303	7.303	(1.019)	139	61686			61.80- 121.80	91.80
7.303	7.303	(1.019)	65	74191			80.41- 140.41	110.41
75 Dibenzofuran							CAS #: 132-64-9	
7.355	7.355	(1.026)	168	425939	45.0000	49.7	80.00- 120.00	100.00
7.355	7.355	(1.026)	139	173304			10.69- 70.69	40.69
76 2,4-Dinitrotoluene							CAS #: 121-14-2	
7.392	7.392	(1.031)	165	104842	45.0000	49.8	80.00- 120.00	100.00
7.392	7.392	(1.031)	63	56146			23.55- 83.55	53.55
7.392	7.392	(1.031)	89	85784			51.82- 111.82	81.82
80 Diethylphthalate							CAS #: 84-66-2	
7.640	7.640	(1.066)	149	345498	45.0000	48.1	80.00- 120.00	100.00
7.640	7.640	(1.066)	177	75296			0.00- 51.79	21.79
7.640	7.640	(1.066)	150	42429			0.00- 42.28	12.28
81 Fluorene							CAS #: 86-73-7	
7.690	7.690	(1.073)	166	370634	45.0000	49.2	80.00- 120.00	100.00
7.690	7.690	(1.073)	165	337416			61.04- 121.04	91.04
7.690	7.690	(1.073)	167	48422			0.00- 43.06	13.06
82 4-Chlorophenyl-phenylether							CAS #: 7005-72-3	
7.690	7.690	(1.073)	204	188520	45.0000	47.6	80.00- 120.00	100.00
7.690	7.690	(1.073)	206	61936			2.85- 62.85	32.85
7.690	7.690	(1.072)	141	112042			29.43- 89.43	59.43
84 4-Nitroaniline							CAS #: 100-01-6	
7.750	7.750	(1.081)	138	77949	45.0000	54.6	80.00- 120.00	100.00
7.749	7.749	(1.081)	92	47003			30.30- 90.30	60.30
7.749	7.749	(1.081)	108	89981			85.44- 145.44	115.44
85 4,6-Dinitro-2-methylphenol							CAS #: 534-52-1	
7.790	7.790	(0.905)	198	67784	45.0000	48.4	80.00- 120.00	100.00
7.789	7.789	(0.905)	51	34618			21.07- 81.07	51.07
7.789	7.789	(0.905)	105	30119			14.43- 74.43	44.43
86 N-Nitrosodiphenylamine							CAS #: 86-30-6	
7.814	7.814	(0.908)	169	238918	45.0000	50.7	80.00- 120.00	100.00
7.815	7.815	(0.908)	168	170416			41.33- 101.33	71.33
7.815	7.815	(0.908)	167	85841			5.93- 65.93	35.93
87 1,2-Diphenylhydrazine							CAS #: 122-66-7	
7.845	7.845	(1.094)	77	439752	45.0000	53.3	80.00- 120.00	100.00
7.845	7.845	(1.094)	105	61937			0.00- 44.08	14.08
7.845	7.845	(1.094)	182	104187			0.00- 53.69	23.69
$ 88 2,4,6-Tribromophenol (SURR)							CAS #: 118-79-6	
7.946	7.946	(1.108)	330	122751	90.0000	94.7	80.00- 120.00	100.00
7.946	7.946	(1.108)	332	116870			65.21- 125.21	95.21
7.945	7.945	(1.108)	141	50059			10.78- 70.78	40.78

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
93 4-Bromophenylphenylether							CAS #: 101-55-3	
8.163	8.163	(0.949)	248	112444	45.0000	49.5	80.00- 120.00	100.00
8.163	8.163	(0.949)	250	108659			66.63- 126.63	96.63
8.162	8.162	(0.949)	141	89097			49.24- 109.24	79.24
94 Hexachlorobenzene							CAS #: 118-74-1	
8.307	8.307	(0.966)	284	124278	45.0000	48.6	80.00- 120.00	100.00
8.307	8.307	(0.965)	142	50355			10.52- 70.52	40.52
8.307	8.307	(0.966)	249	39272			1.60- 61.60	31.60
96 Pentachlorophenol							CAS #: 87-86-5	
8.480	8.480	(0.986)	266	77033	45.0000	46.3	80.00- 120.00	100.00
8.481	8.481	(0.986)	264	48950			33.54- 93.54	63.54
8.481	8.481	(0.986)	268	49605			34.39- 94.39	64.39
* 100 Phenanthrene-d10							CAS #: 1517-22-2	
8.604	8.604	(1.000)	188	365805	40.0000		80.00- 120.00	100.00
8.603	8.604	(1.000)	94	38352			0.00- 40.39	10.48
8.603	8.603	(1.000)	80	42148			0.00- 41.55	11.52
101 Phenanthrene							CAS #: 85-01-8	
8.626	8.626	(1.003)	178	487692	45.0000	48.6	80.00- 120.00	100.00
8.626	8.626	(1.003)	179	74122			0.00- 45.20	15.20
8.626	8.626	(1.003)	176	91139			0.00- 48.69	18.69
103 Anthracene							CAS #: 120-12-7	
8.670	8.670	(1.008)	178	475180	45.0000	53.2	80.00- 120.00	100.00(M)
8.670	8.670	(1.008)	179	73800			0.00- 45.53	15.53
8.670	8.670	(1.008)	176	90816			0.00- 49.11	19.11
104 Carbazole							CAS #: 86-74-8	
8.830	8.830	(1.026)	167	478871	45.0000	54.1	80.00- 120.00	100.00(M)
8.830	8.830	(1.026)	139	65716			0.00- 43.72	13.72
8.830	8.830	(1.026)	83	46444			0.00- 39.70	9.70
105 Di-n-butylphthalate							CAS #: 84-74-2	
9.227	9.227	(1.072)	149	600597	45.0000	50.2	80.00- 120.00	100.00
9.227	9.227	(1.072)	150	55025			0.00- 39.16	9.16
9.227	9.227	(1.072)	104	38226			0.00- 36.36	6.36
109 Fluoranthene							CAS #: 206-44-0	
9.797	9.797	(1.139)	202	553038	45.0000	50.3	80.00- 120.00	100.00
9.796	9.796	(1.139)	101	64153			0.00- 41.60	11.60
9.797	9.797	(1.139)	203	96085			0.00- 47.37	17.37
111 Pyrene							CAS #: 129-00-0	
10.016	10.016	(0.893)	202	571162	45.0000	50.3	80.00- 120.00	100.00
10.016	10.016	(0.893)	200	116112			0.00- 50.33	20.33
10.016	10.016	(0.893)	203	102342			0.00- 47.92	17.92
$ 112 Terphenyl-d14 (SURR)							CAS #: 1718-51-0	
10.179	10.179	(0.908)	244	398572	45.0000	45.1	80.00- 120.00	100.00
10.178	10.178	(0.908)	122	42536			0.00- 40.67	10.67

RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
$ 112 Terphenyl-d14 (SURR) (continued)								
10.179	10.179	(0.908)	212	31560			0.00- 37.92	7.92
118 Butylbenzylphthalate						CAS #: 85-68-7		
10.690	10.690	(0.953)	149	294482	45.0000	54.0	80.00- 120.00	100.00(M)
10.691	10.691	(0.953)	91	222995			45.72- 105.72	75.72
10.692	10.692	(0.953)	206	63930			0.00- 51.71	21.71
120 Benzo[a]anthracene						CAS #: 56-55-3		
11.194	11.194	(0.998)	228	571163	45.0000	50.8	80.00- 120.00	100.00
11.194	11.194	(0.998)	229	109242			0.00- 49.13	19.13
11.194	11.194	(0.998)	226	154531			0.00- 57.06	27.06
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.215	11.211	(1.000)	240	429336	40.0000		80.00- 120.00	100.00(M)
11.213	11.210	(1.000)	120	44620			0.00- 40.02	10.39
11.214	11.210	(1.000)	236	104747			0.00- 54.50	24.40
123 Chrysene						CAS #: 218-01-9		
11.238	11.238	(1.002)	228	541548	45.0000	48.9	80.00- 120.00	100.00
11.238	11.238	(1.002)	226	157469			0.00- 59.08	29.08
11.238	11.238	(1.002)	229	104722			0.00- 49.34	19.34
124 Bis-2-Ethylhexylphthalate						CAS #: 117-81-7		
11.275	11.275	(1.005)	149	381276	45.0000	50.7	80.00- 120.00	100.00
11.276	11.276	(1.005)	167	113766			0.00- 59.84	29.84
11.276	11.276	(1.006)	279	29225			0.00- 37.67	7.67
125 Di-n-octylphthalate						CAS #: 117-84-0		
11.842	11.842	(0.945)	149	676793	45.0000	49.5	80.00- 120.00	100.00
11.843	11.843	(0.945)	167	10105			0.00- 31.49	1.49
11.842	11.842	(0.945)	43	60362			0.00- 38.92	8.92
127 Benzo[b]fluoranthene						CAS #: 205-99-2		
12.198	12.198	(0.973)	252	495832	45.0000	48.2	80.00- 120.00	100.00
12.198	12.198	(0.973)	253	110310			0.00- 52.25	22.25
12.219	12.219	(0.975)	125	92034			0.00- 48.56	18.56
128 Benzo[k]fluoranthene						CAS #: 207-08-9		
12.220	12.220	(0.975)	252	548187	45.0000	47.7	80.00- 120.00	100.00
12.220	12.220	(0.975)	253	121217			0.00- 52.11	22.11
12.219	12.219	(0.975)	125	92034			0.00- 46.79	16.79
129 Benzo[a]pyrene						CAS #: 50-32-8		
12.484	12.484	(0.996)	252	469117	45.0000	49.8	80.00- 120.00	100.00(M)
12.484	12.484	(0.996)	253	101238			0.00- 51.58	21.58
12.484	12.484	(0.996)	125	45326			0.00- 39.66	9.66
* 130 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	360650	40.0000		80.00- 120.00	100.00
12.532	12.533	(1.000)	260	82188			0.00- 52.70	22.79
12.532	12.532	(1.000)	265	80367			0.00- 52.11	22.28

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		
13.569	13.569	(1.083)	276	537363	45.0000	50.9	80.00- 120.00	100.00
13.570	13.570	(1.083)	138	123605			0.00- 53.00	23.00
13.570	13.570	(1.083)	277	135384			0.00- 55.19	25.19
134 Dibenz[a,h]anthracene						CAS #: 53-70-3		
13.574	13.574	(1.083)	278	449968	45.0000	50.5	80.00- 120.00	100.00
13.573	13.573	(1.083)	139	68989			0.00- 45.33	15.33
13.574	13.574	(1.083)	279	105482			0.00- 53.44	23.44
135 Benzo[g,h,i]perylene						CAS #: 191-24-2		
13.852	13.852	(1.105)	276	422560	45.0000	50.2	80.00- 120.00	100.00
13.852	13.852	(1.105)	138	79701			0.00- 48.86	18.86
13.852	13.852	(1.105)	277	98575			0.00- 53.33	23.33

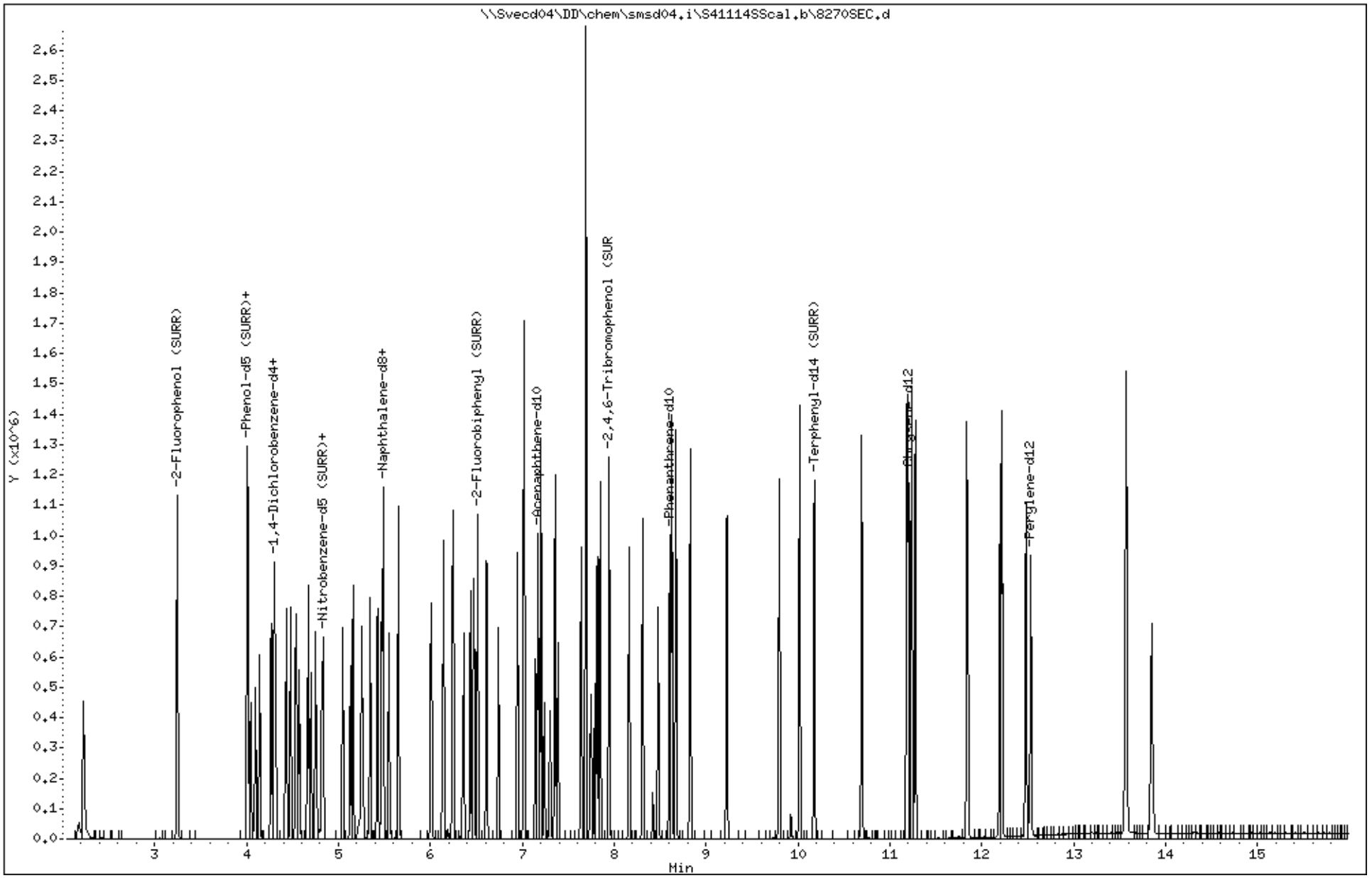
QC Flag Legend

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\smsd04.i\S41114SScal.b\8270SEC.d
Date : 15-NOV-2012 01:07
Client ID: 8270SEC
Sample Info: 47770

Instrument: smsd04.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

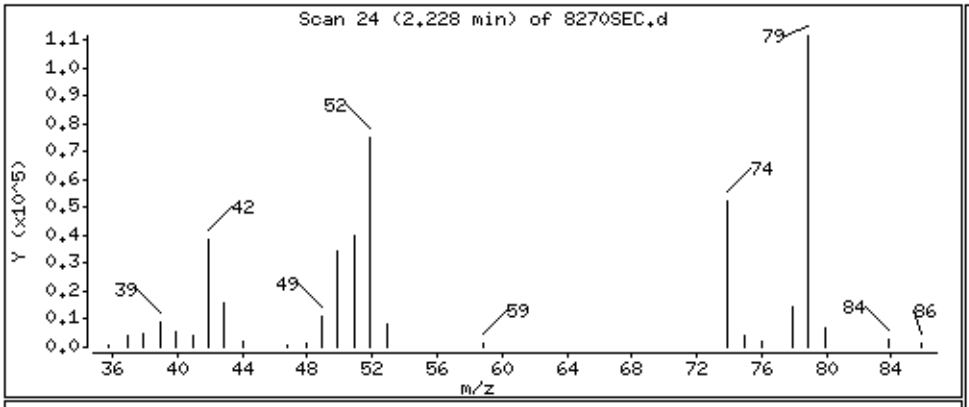
Operator: MJ

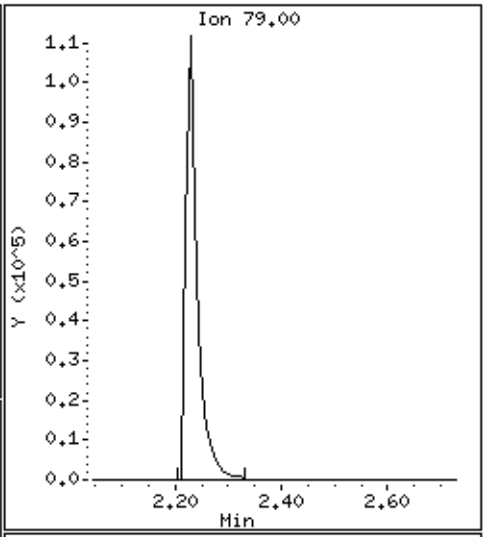
Column phase: HPMS-5

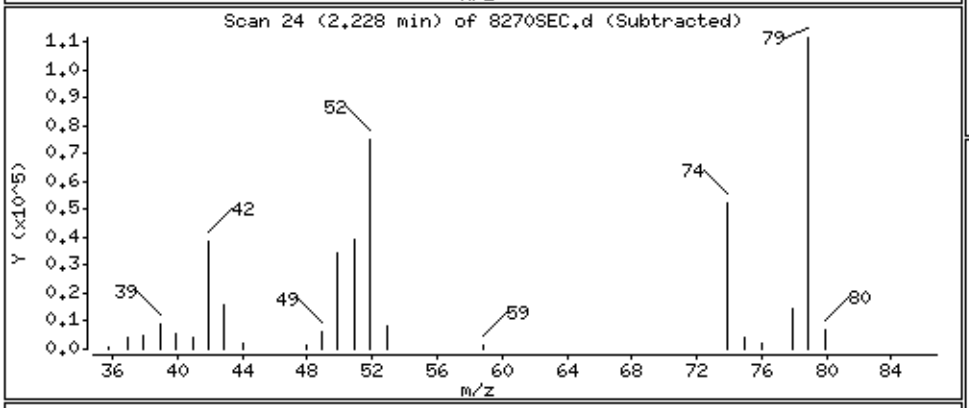
Column diameter: 0.25

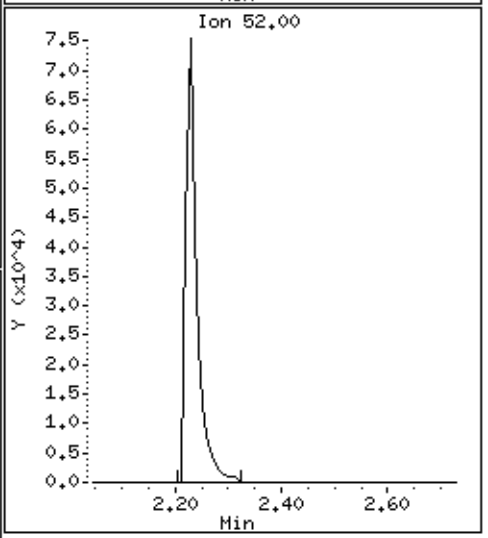
2 Pyridine

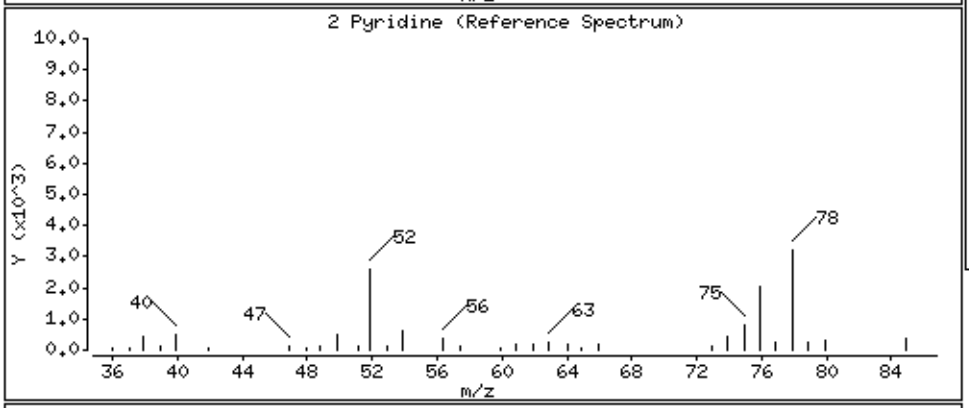
Concentration: 45.0 ug/kg

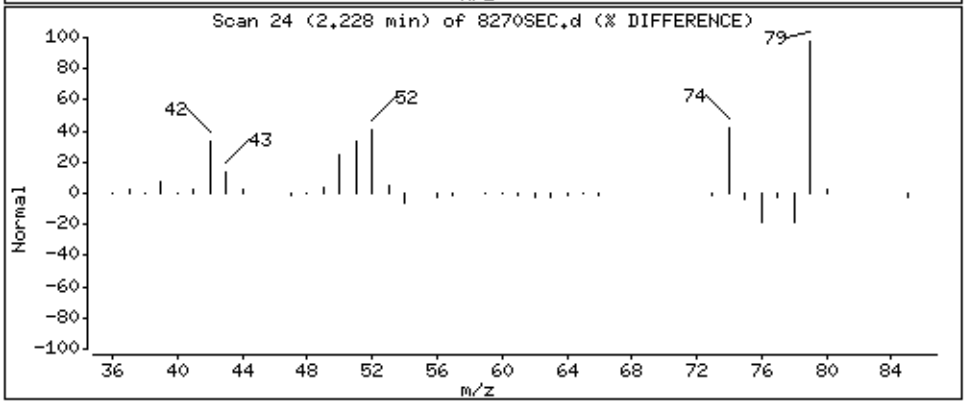












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

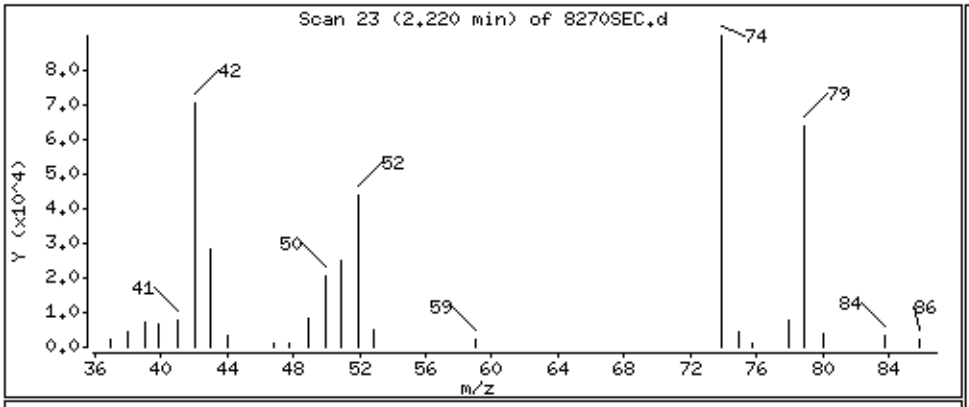
Operator: MJ

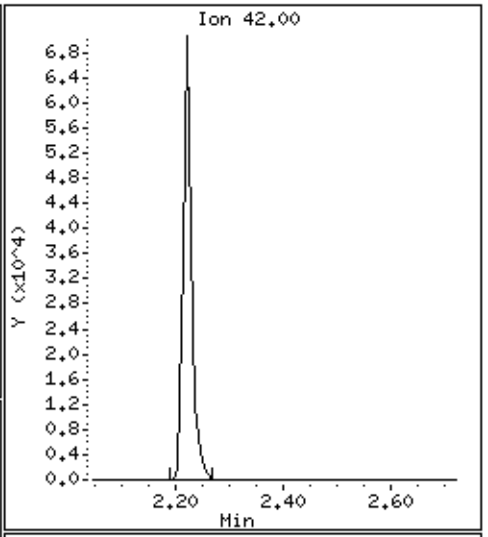
Column phase: HPMS-5

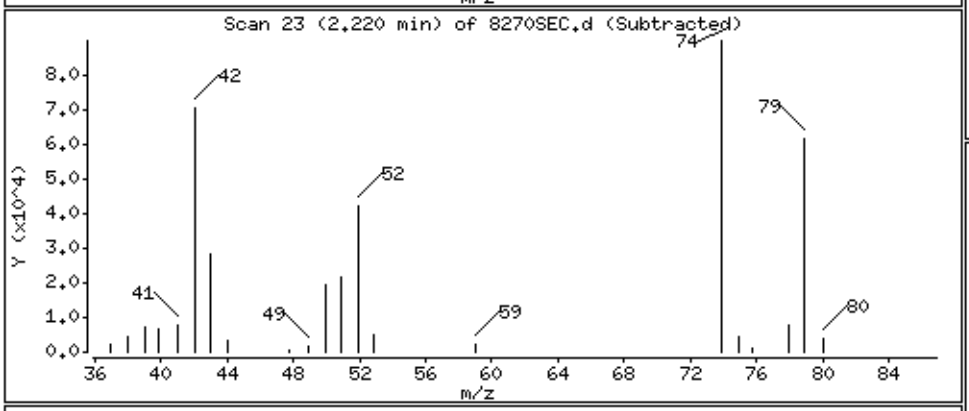
Column diameter: 0.25

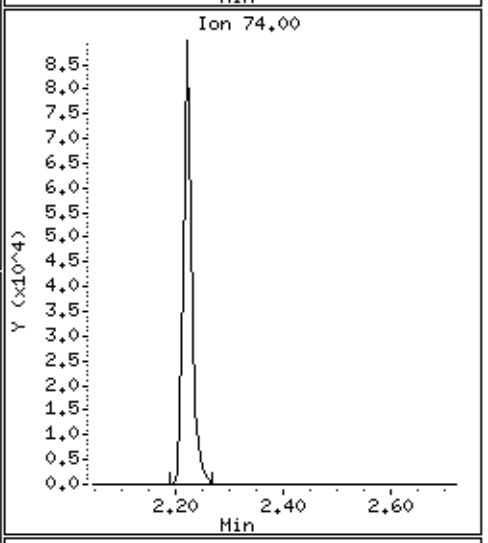
1 N-Nitrosodimethylamine

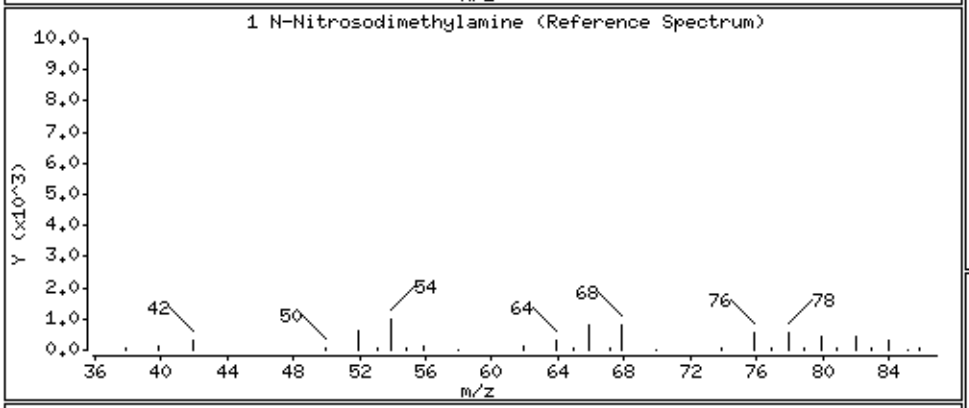
Concentration: 49.2 ug/kg

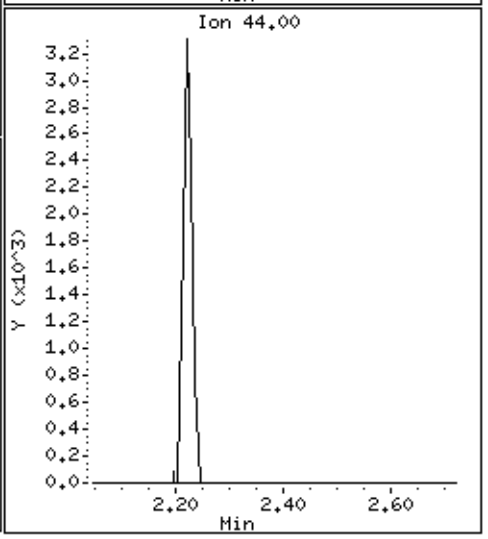


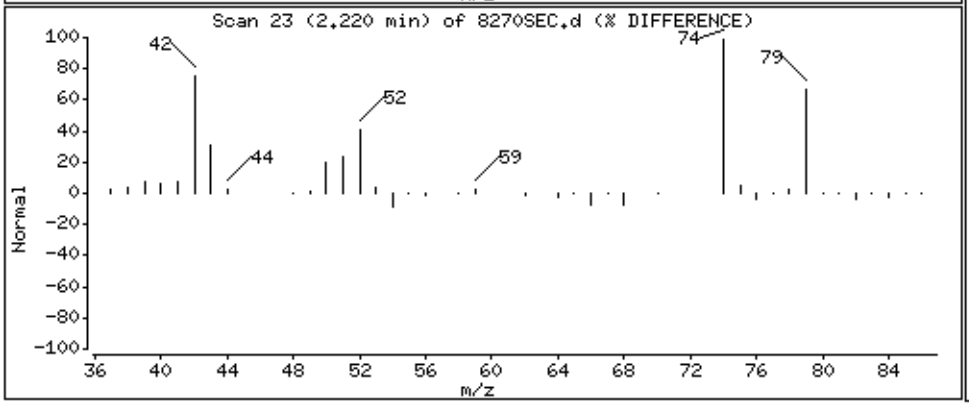












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

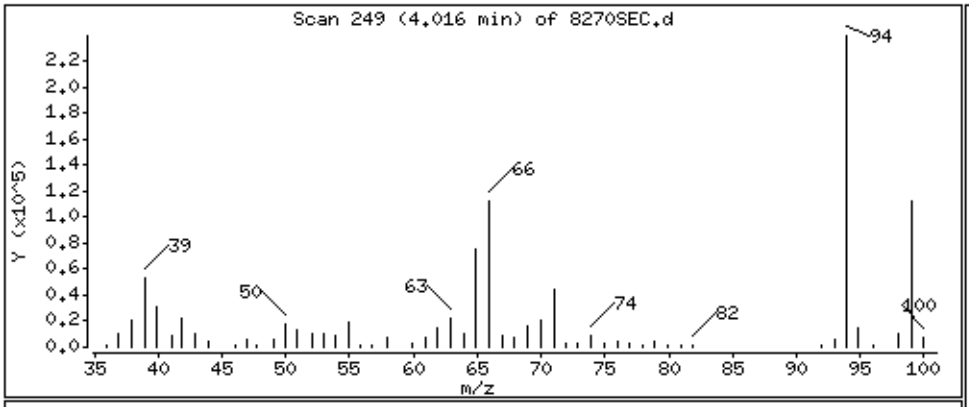
Operator: MJ

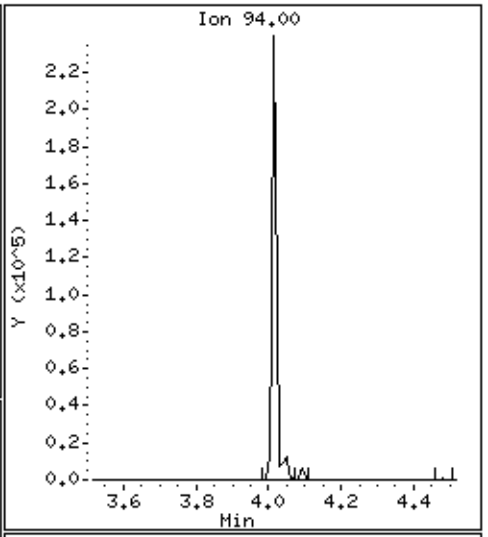
Column phase: HPMS-5

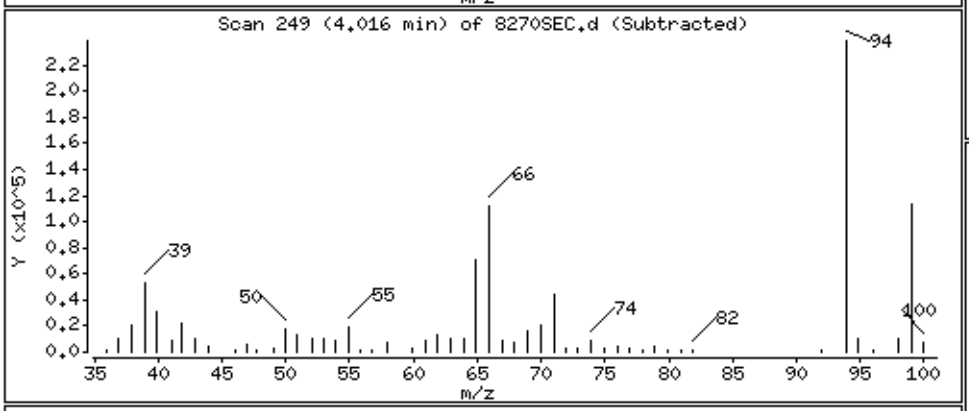
Column diameter: 0.25

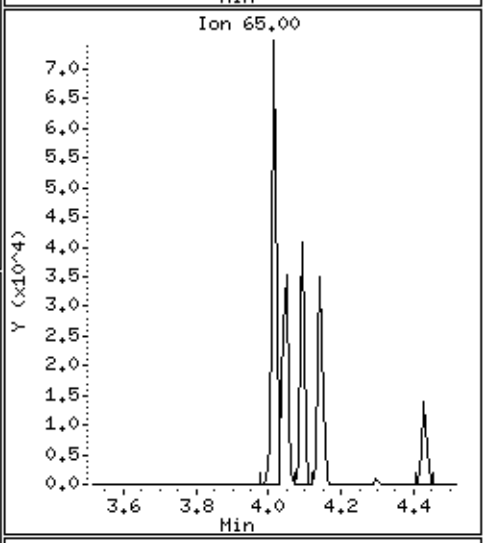
13 Phenol

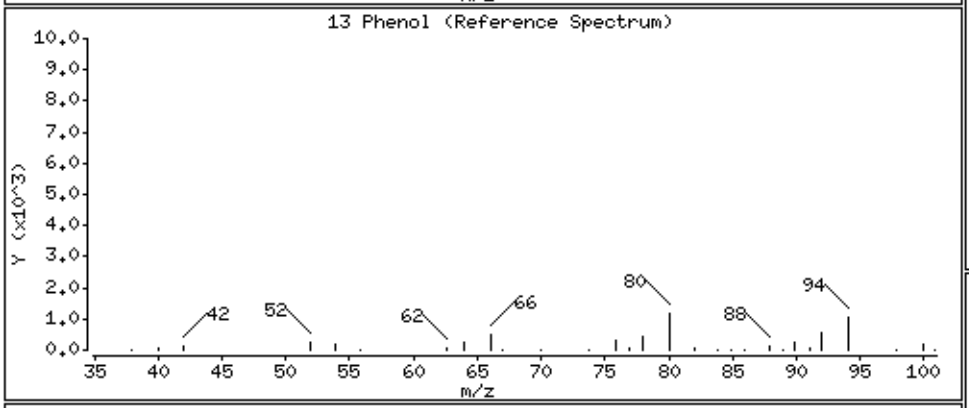
Concentration: 49.7 ug/kg

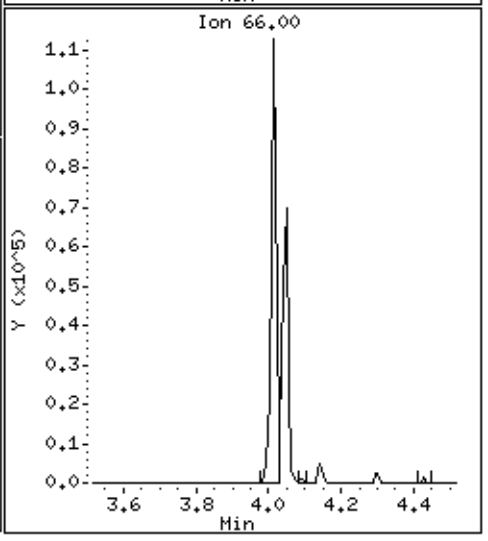


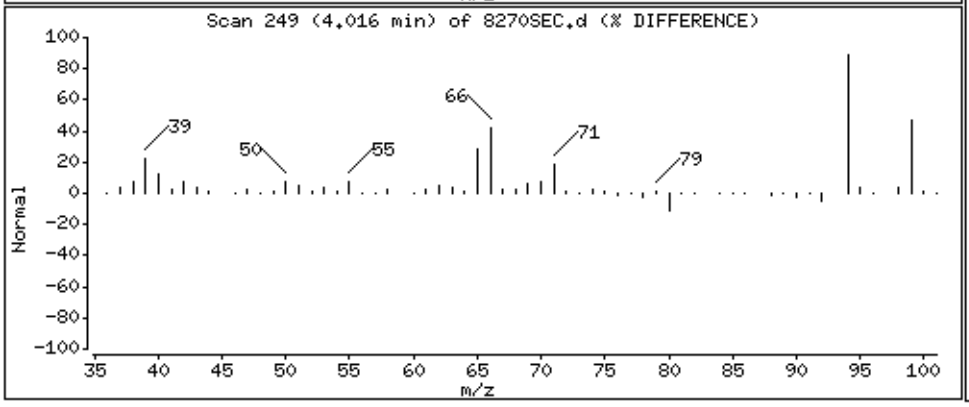












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

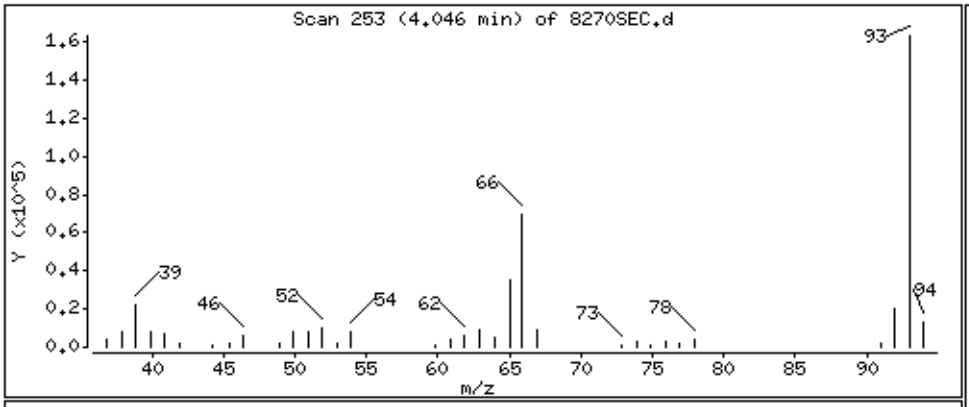
Operator: MJ

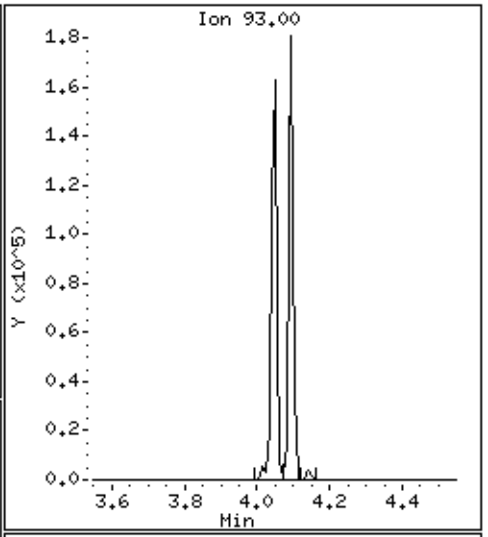
Column phase: HPMS-5

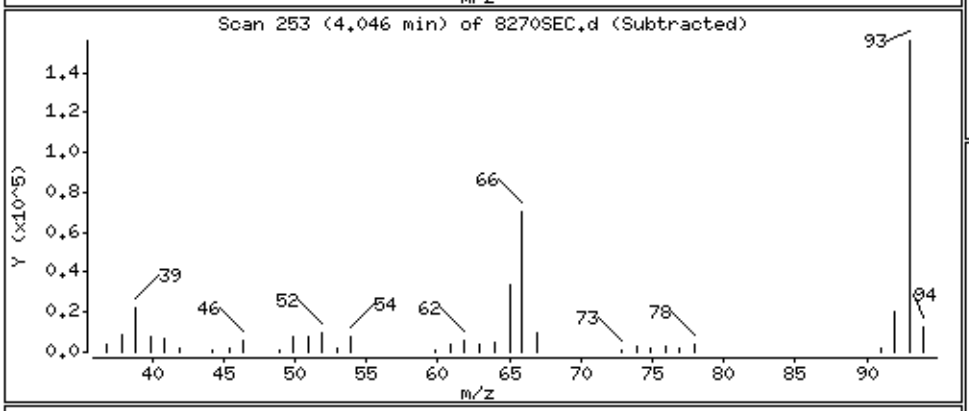
Column diameter: 0.25

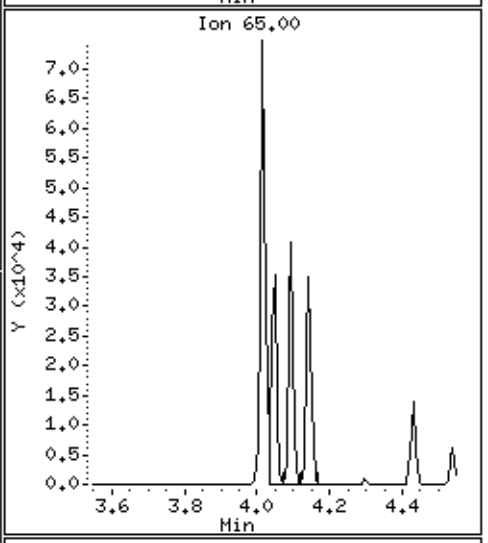
10 Aniline

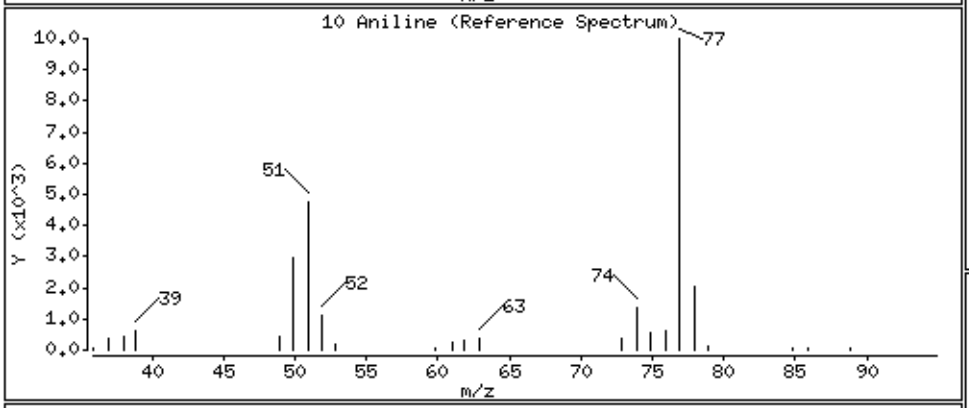
Concentration: 39.6 ug/kg

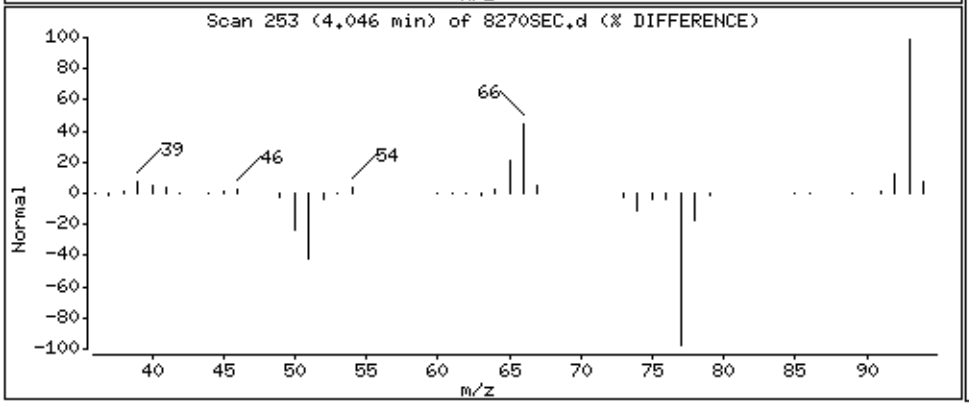


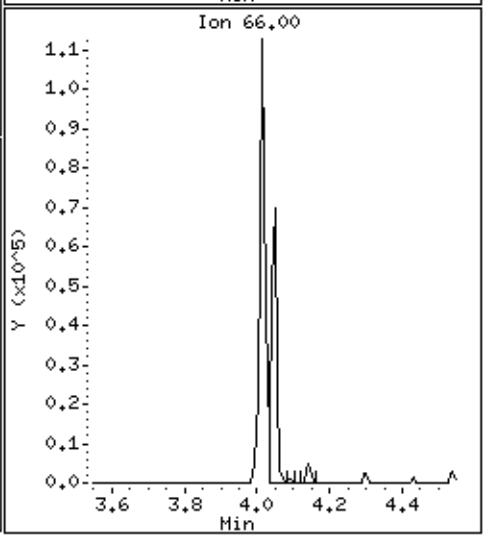












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

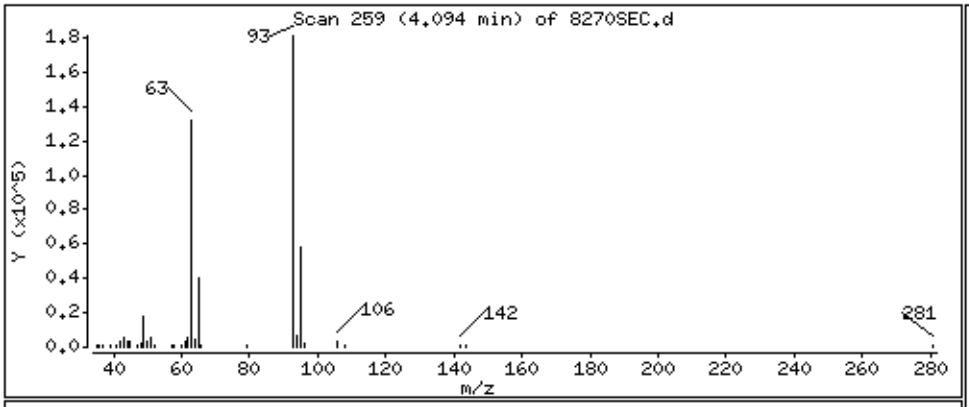
Operator: MJ

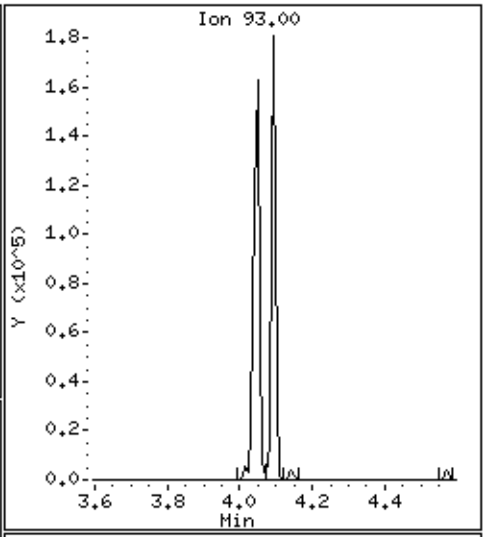
Column phase: HPMS-5

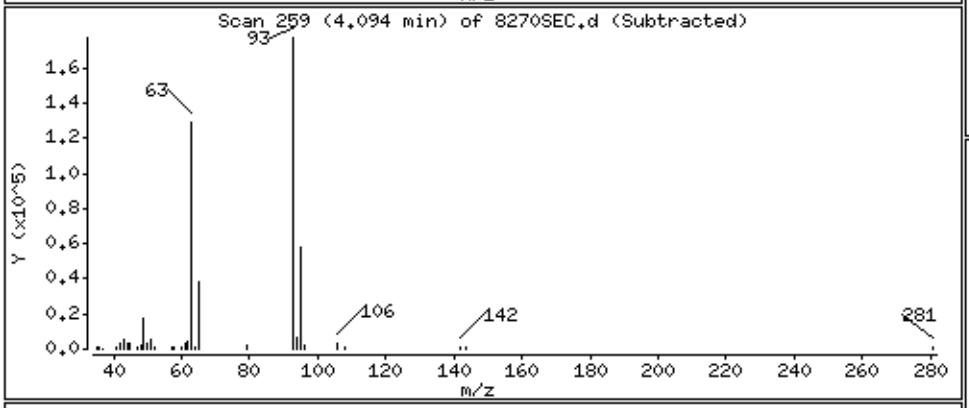
Column diameter: 0.25

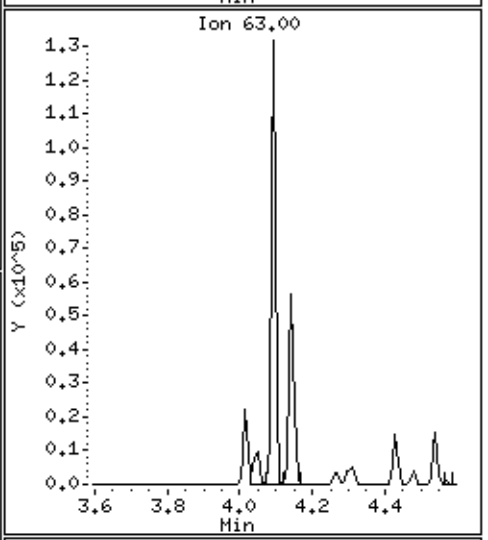
14 Bis(2-Chloroethyl)ether

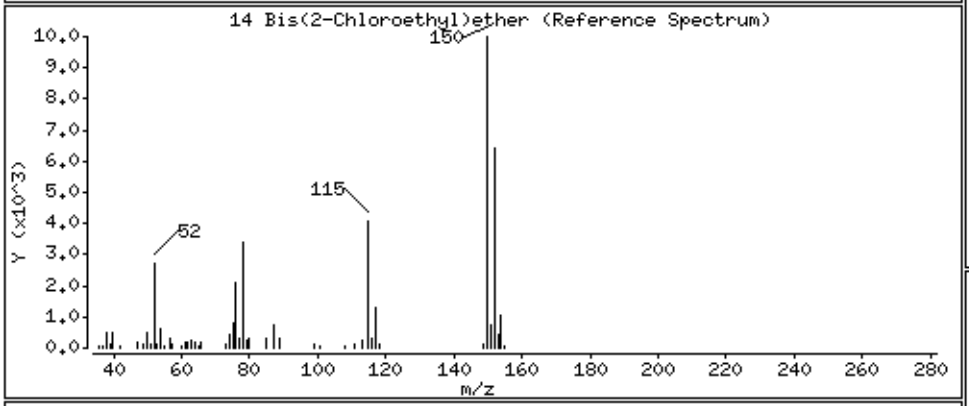
Concentration: 53.2 ug/kg

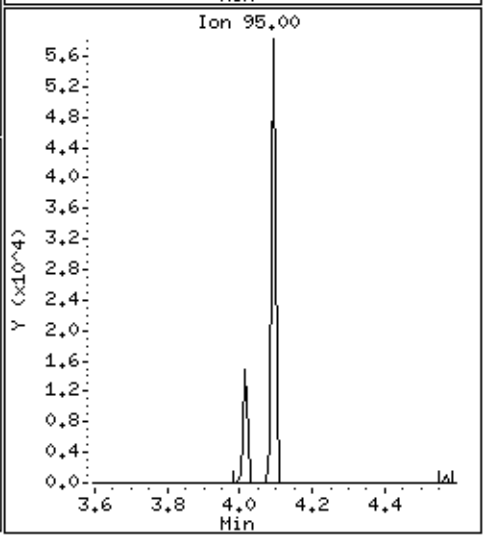


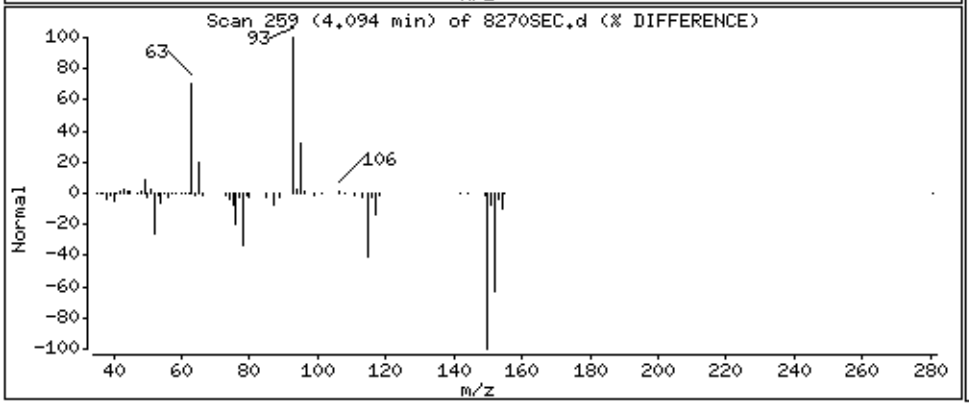












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

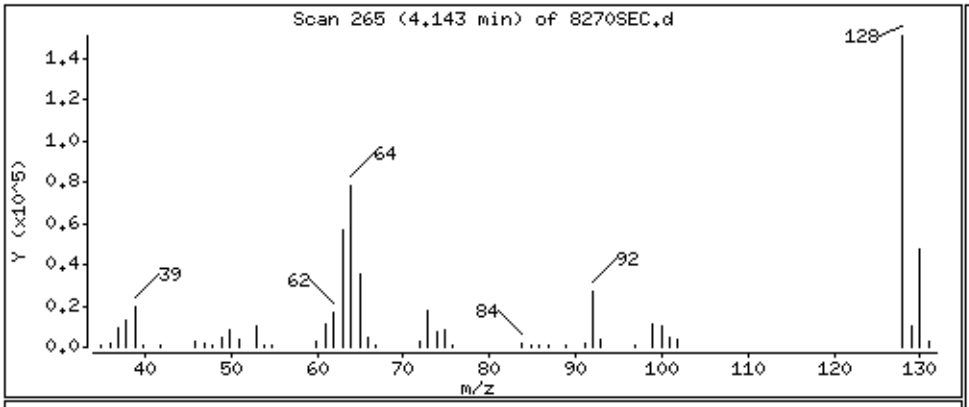
Operator: MJ

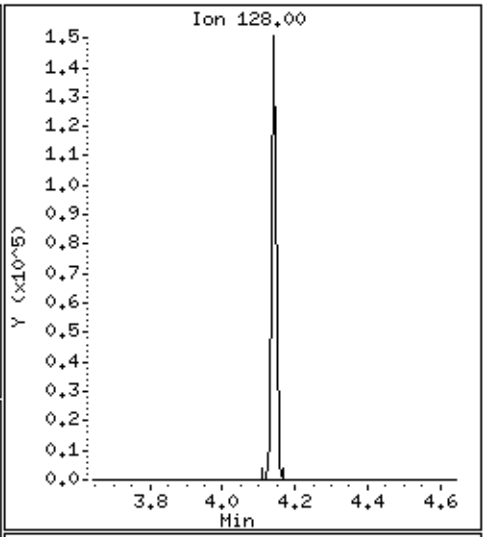
Column phase: HPMS-5

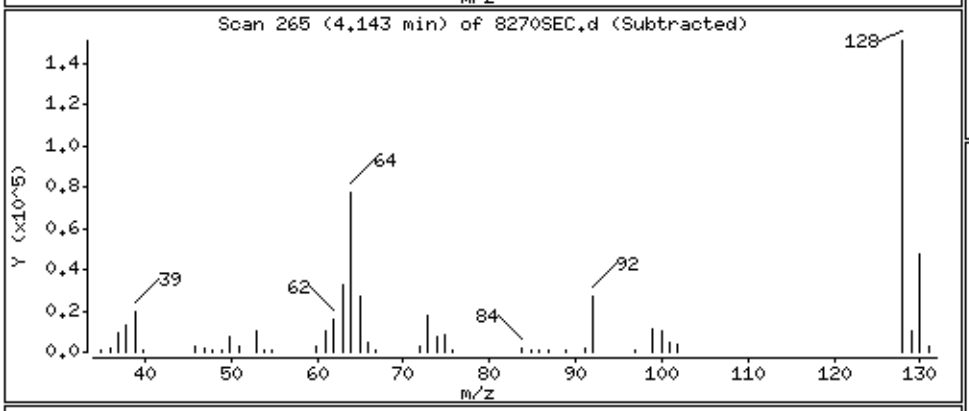
Column diameter: 0.25

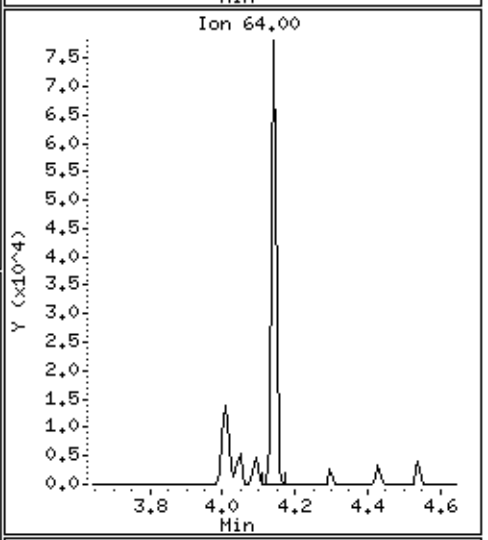
15 2-Chlorophenol

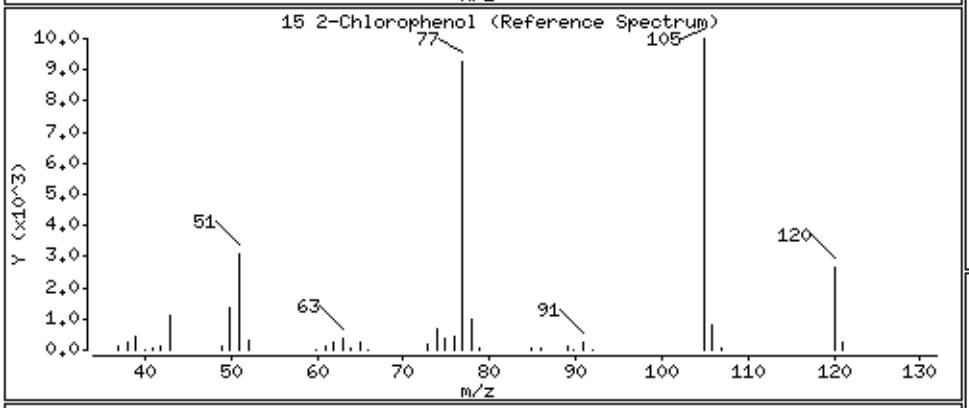
Concentration: 47.7 ug/kg

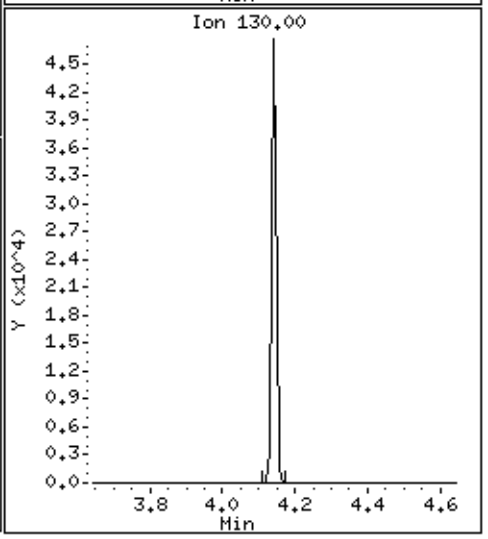


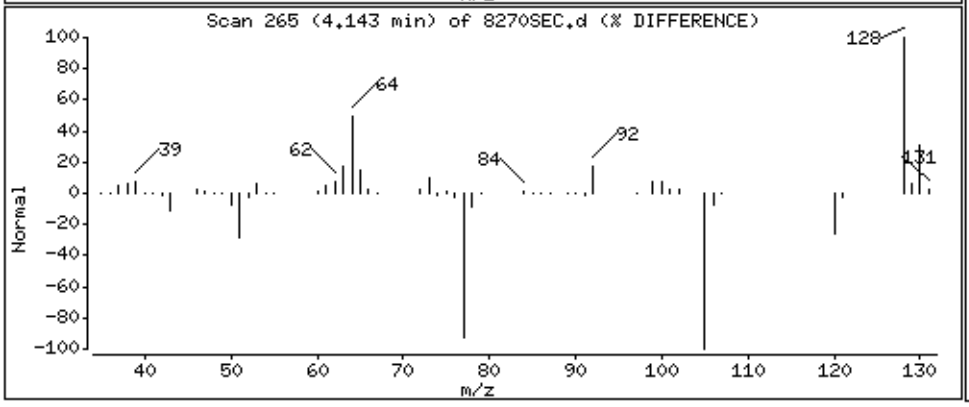












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

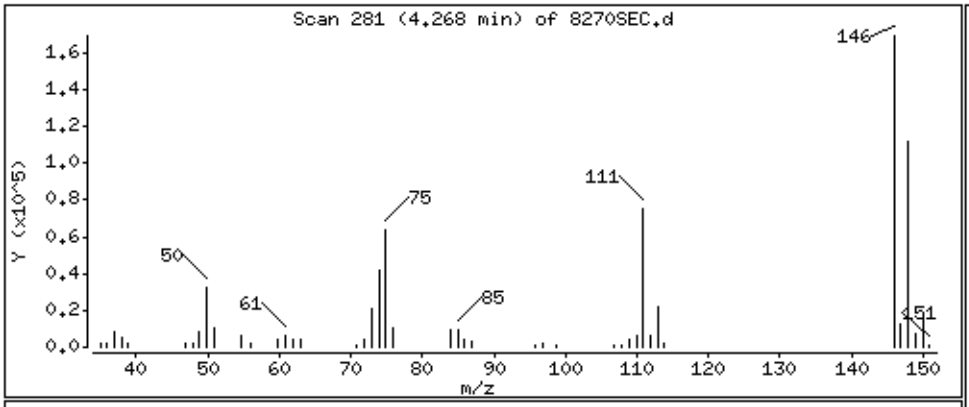
Operator: MJ

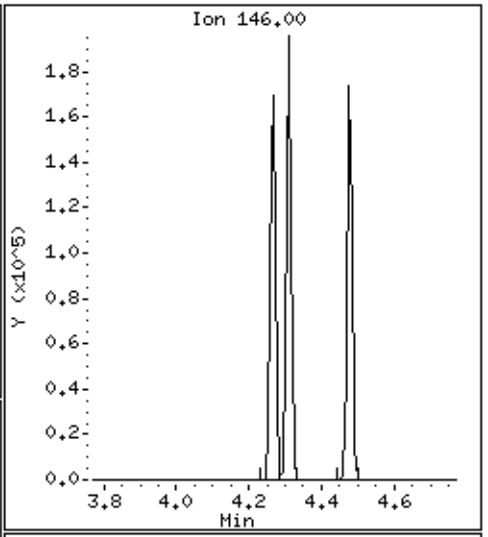
Column phase: HPMS-5

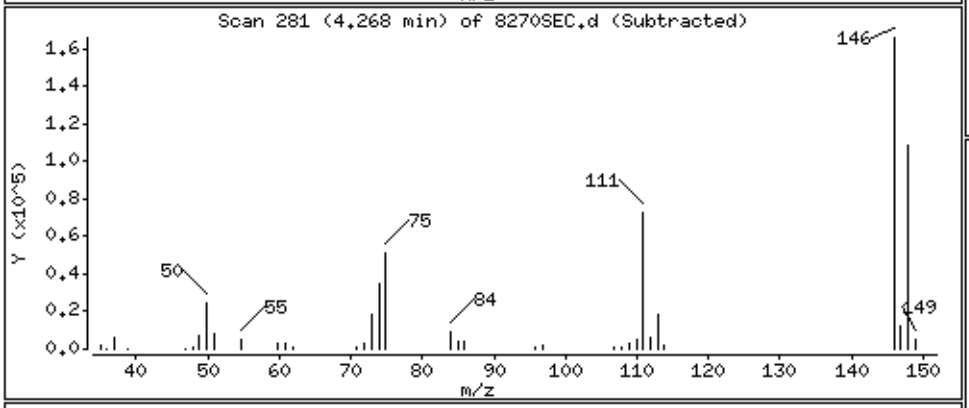
Column diameter: 0.25

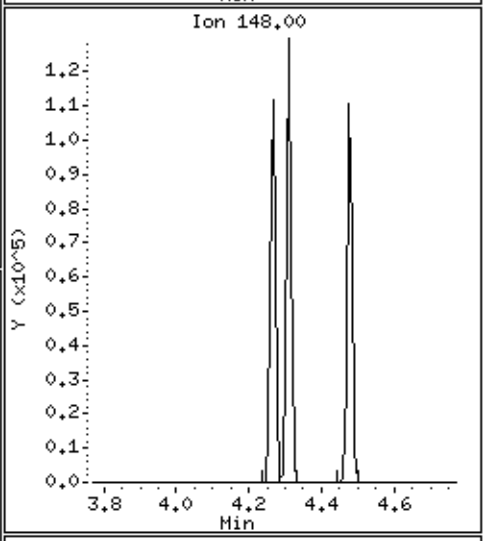
17 1,3-Dichlorobenzene

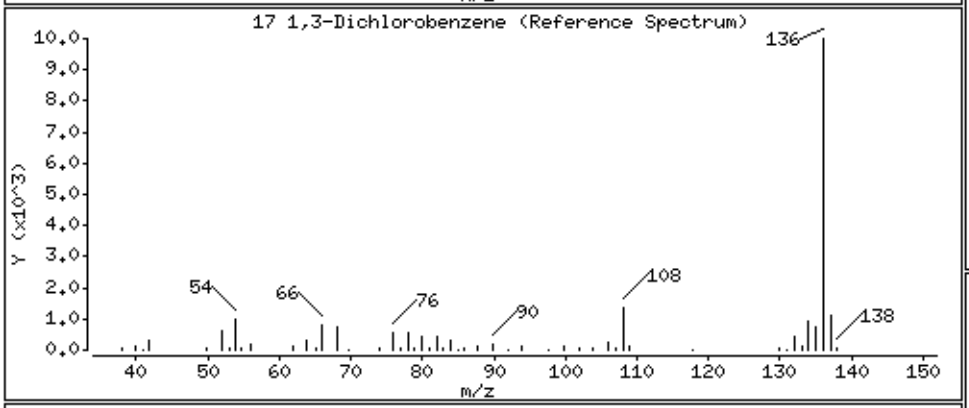
Concentration: 48.2 ug/kg

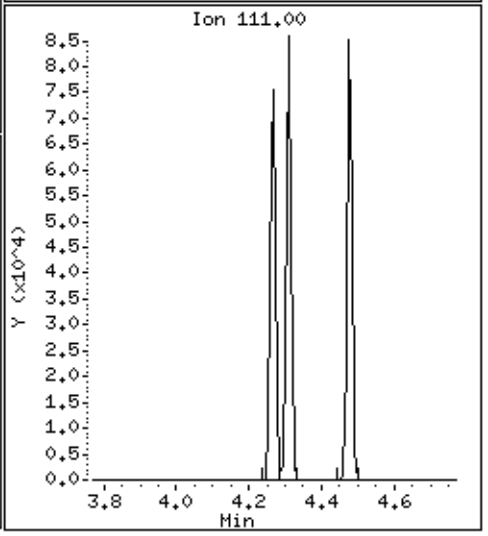


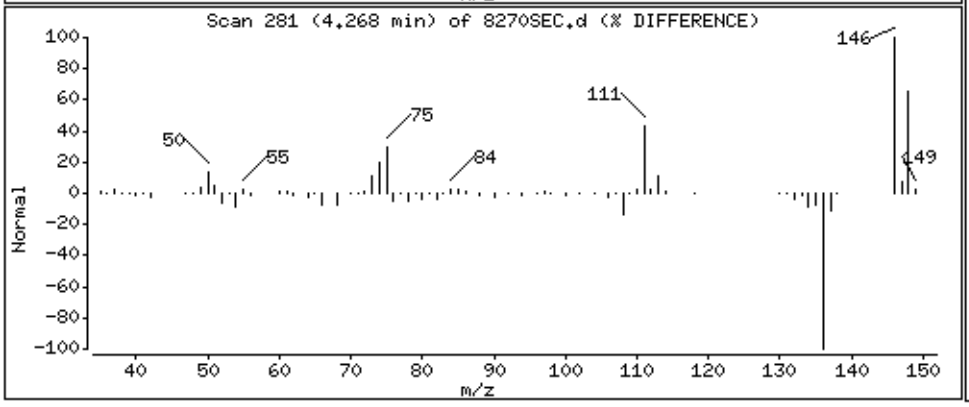












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

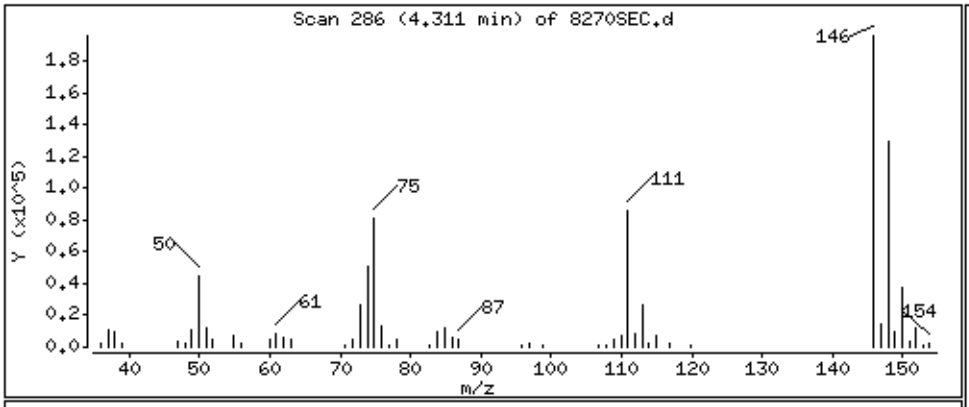
Operator: MJ

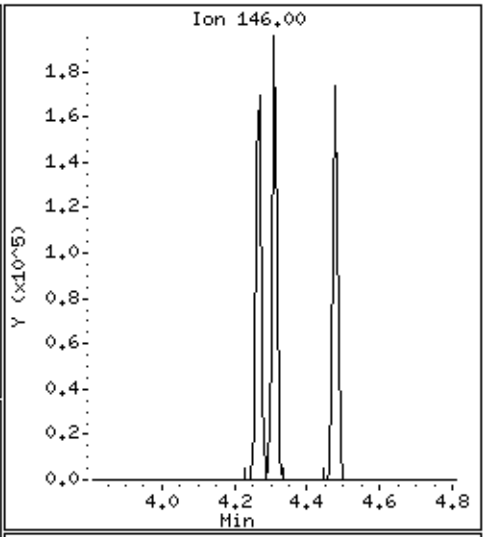
Column phase: HPMS-5

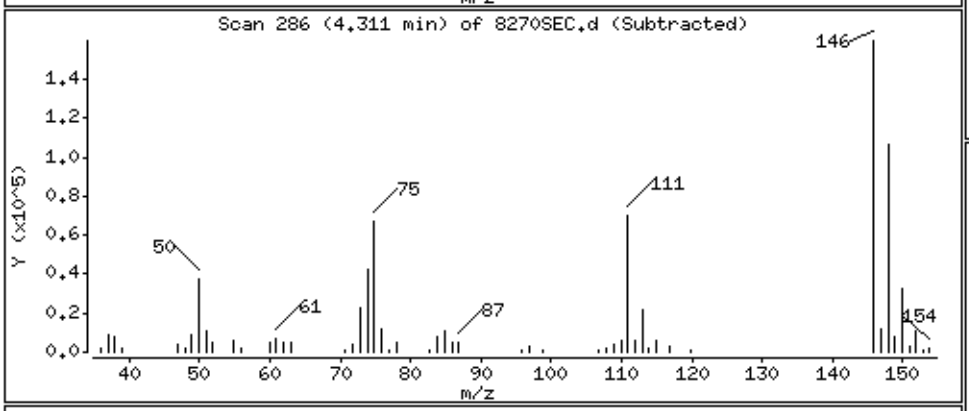
Column diameter: 0.25

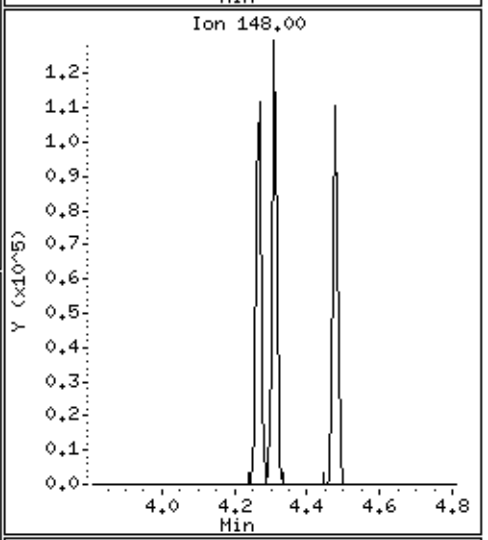
19 1,4-Dichlorobenzene

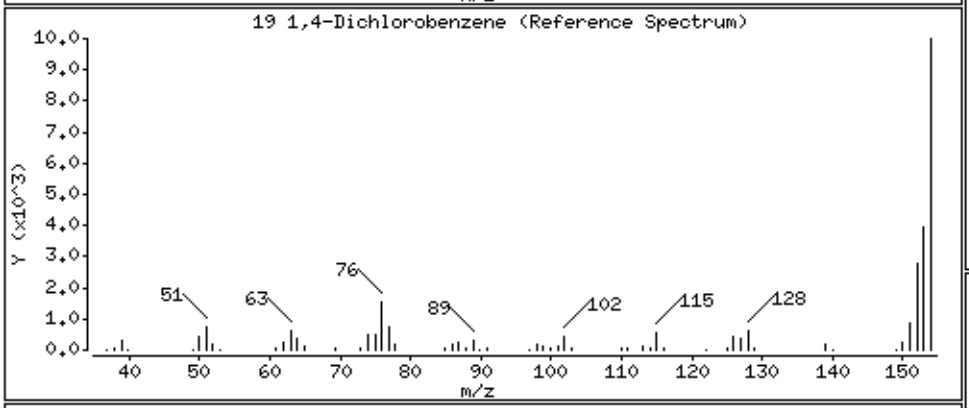
Concentration: 46.7 ug/kg

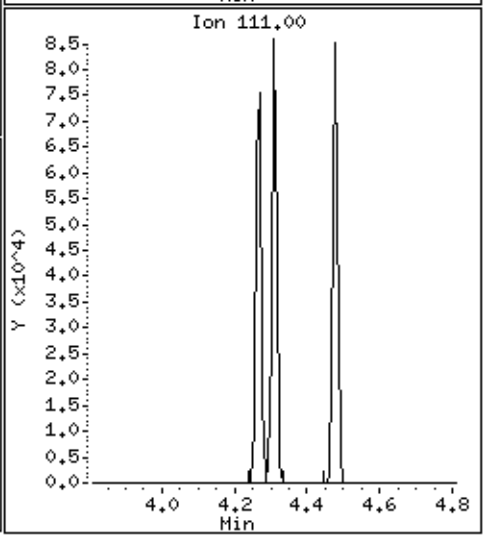


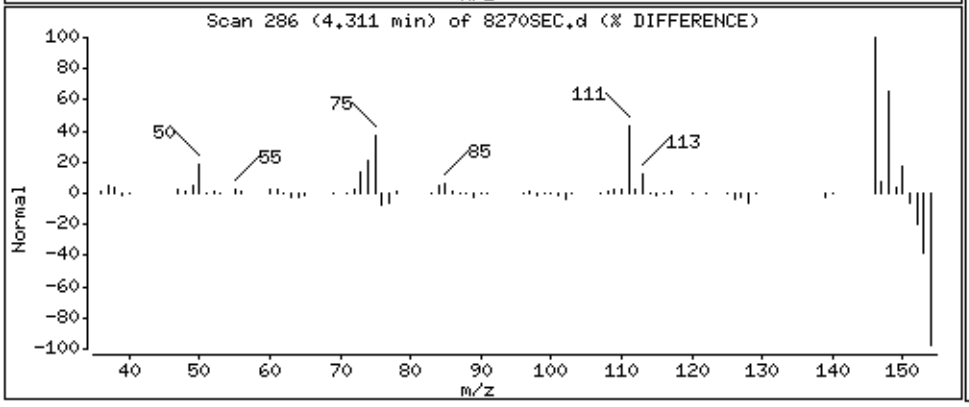












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

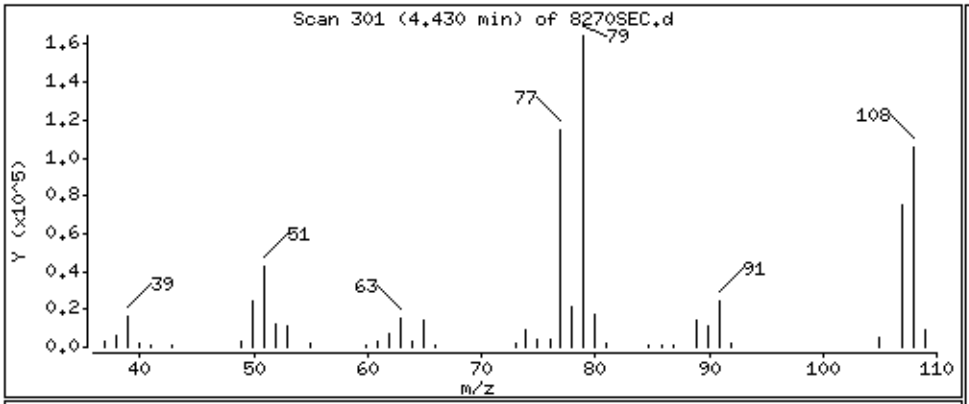
Operator: MJ

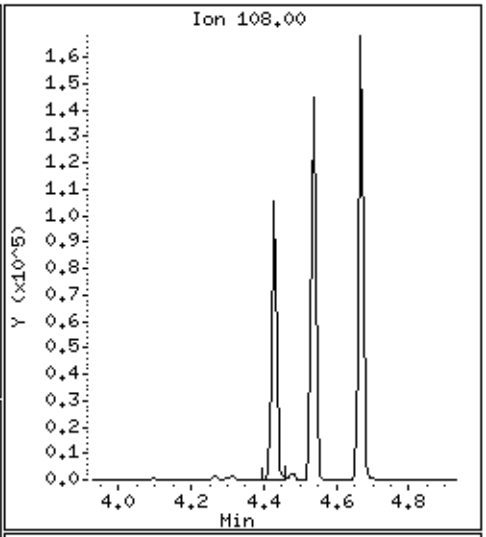
Column phase: HPMS-5

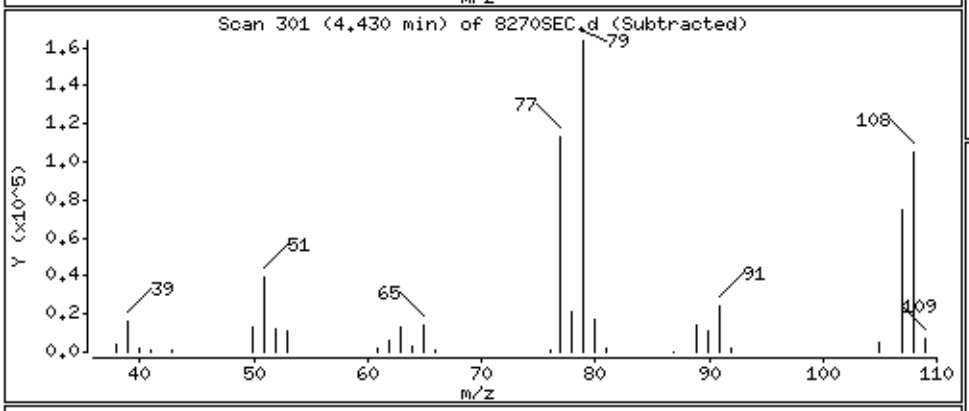
Column diameter: 0.25

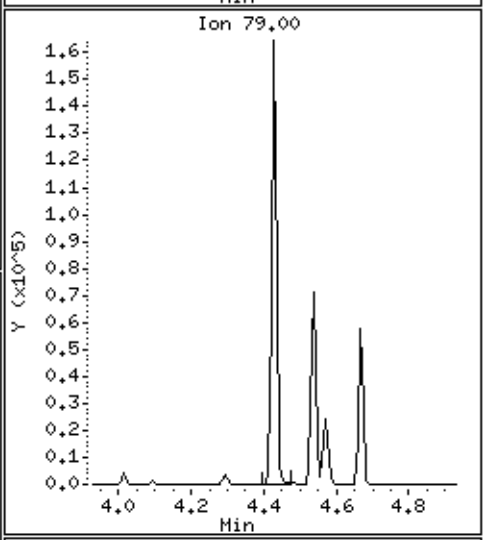
21 Benzyl alcohol

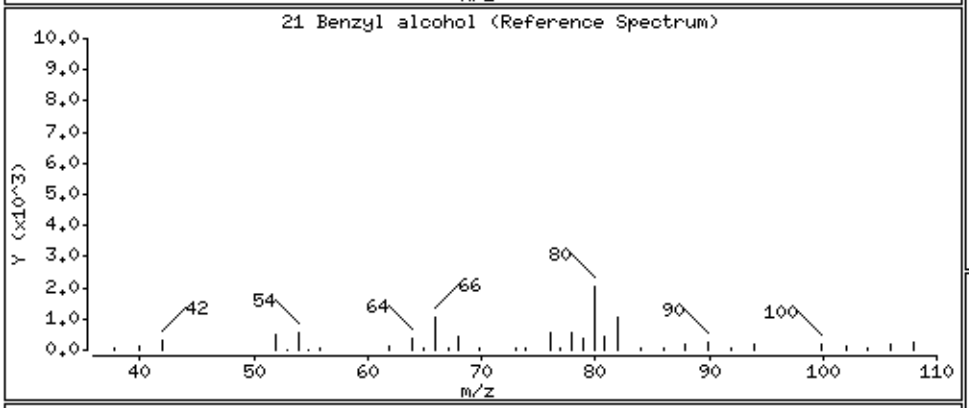
Concentration: 48.6 ug/kg

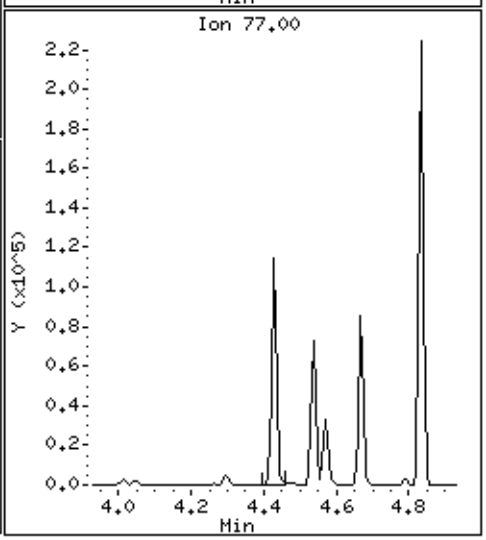


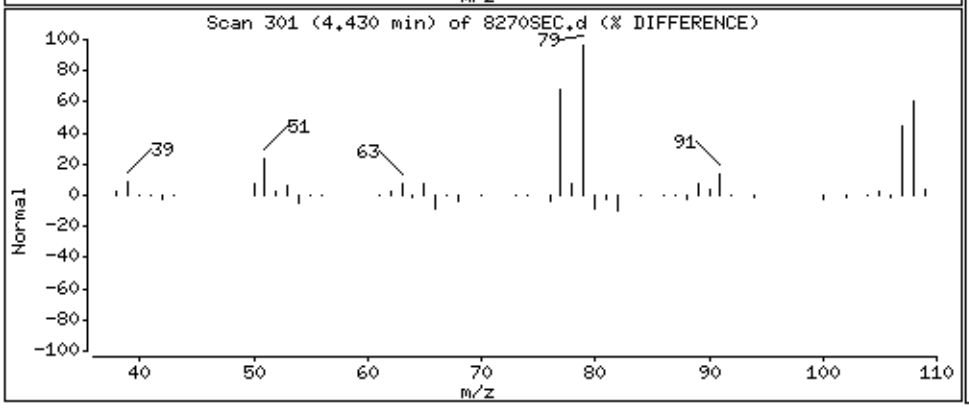












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

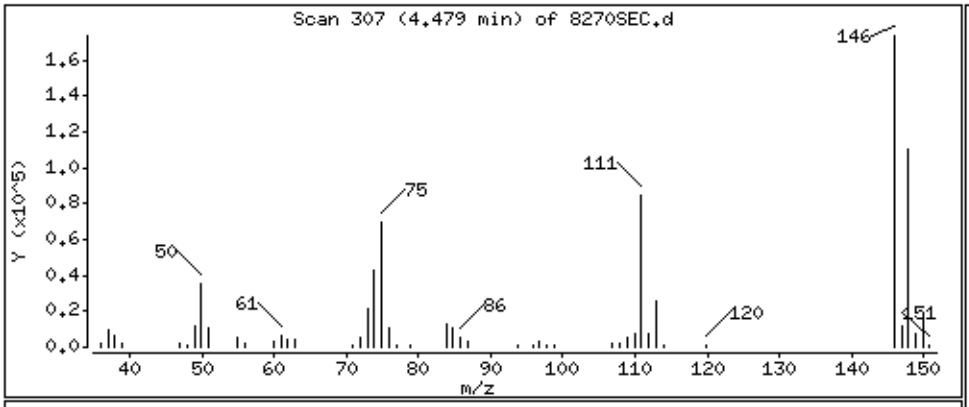
Operator: MJ

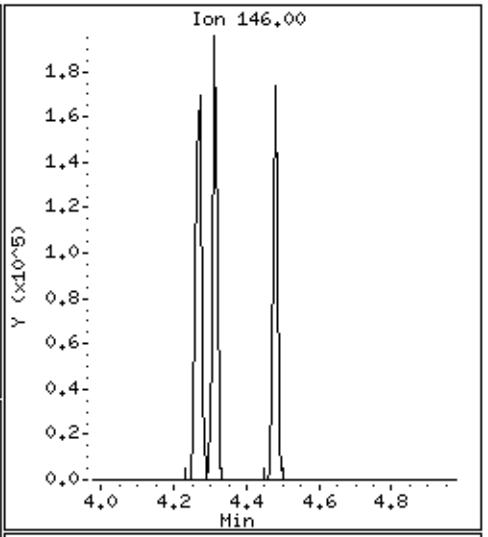
Column phase: HPMS-5

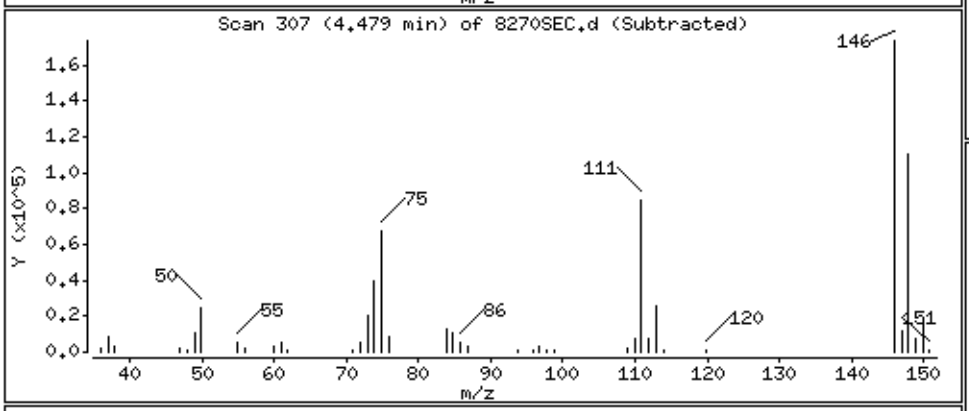
Column diameter: 0.25

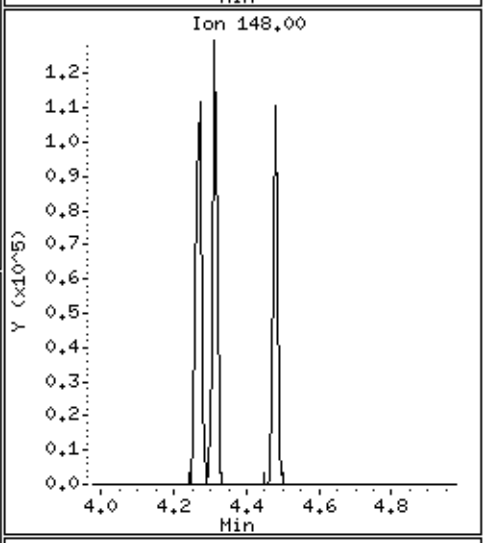
20 1,2-Dichlorobenzene

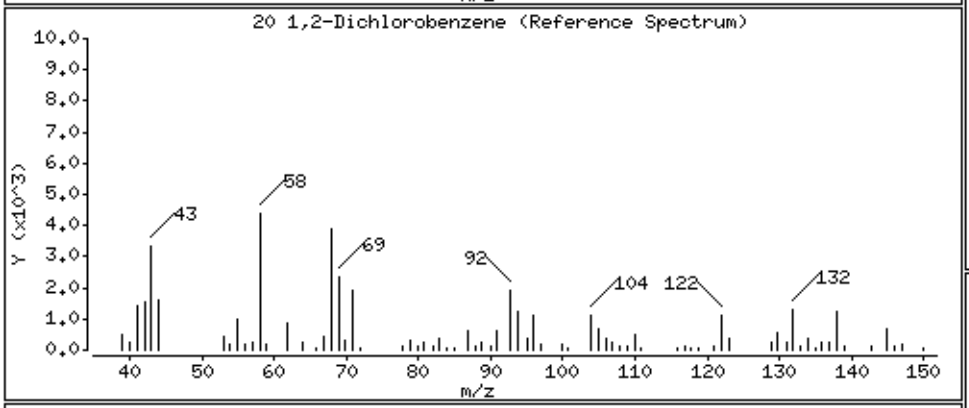
Concentration: 47.4 ug/kg

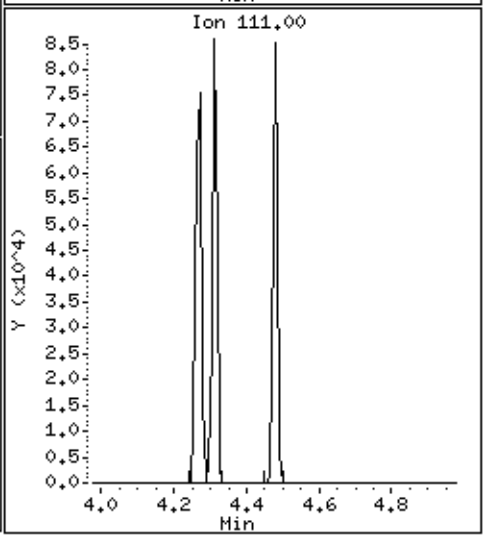


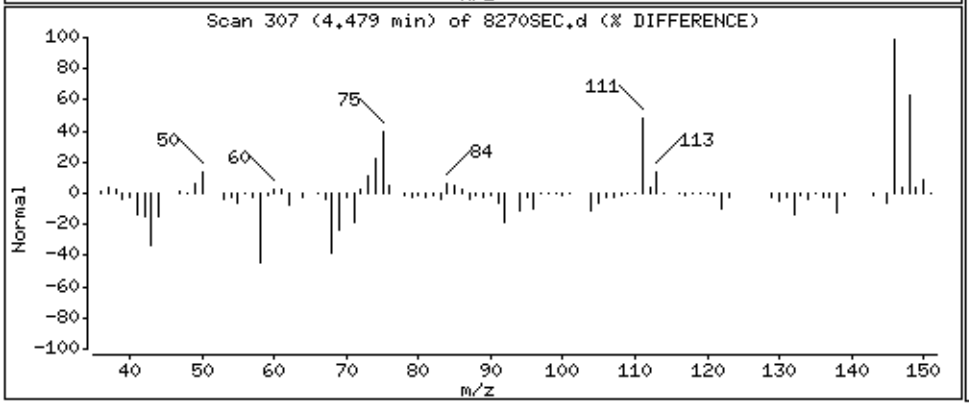












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

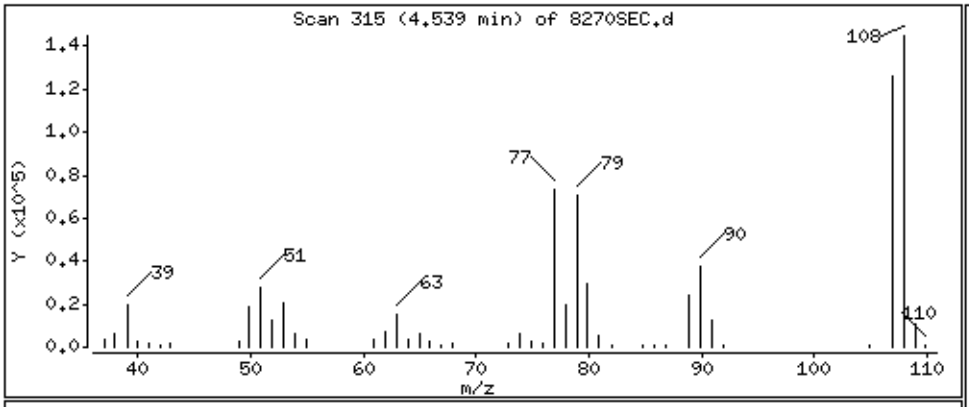
Operator: MJ

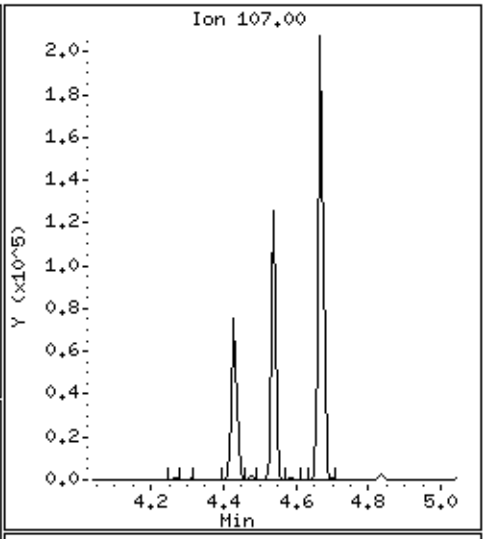
Column phase: HPMS-5

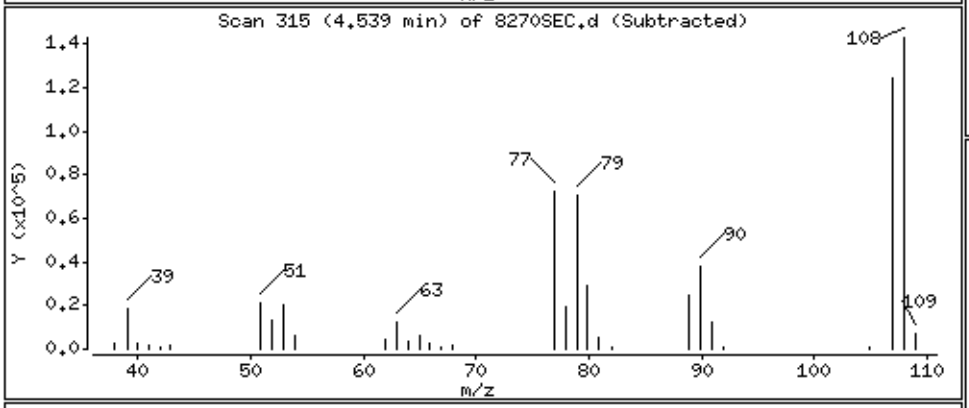
Column diameter: 0.25

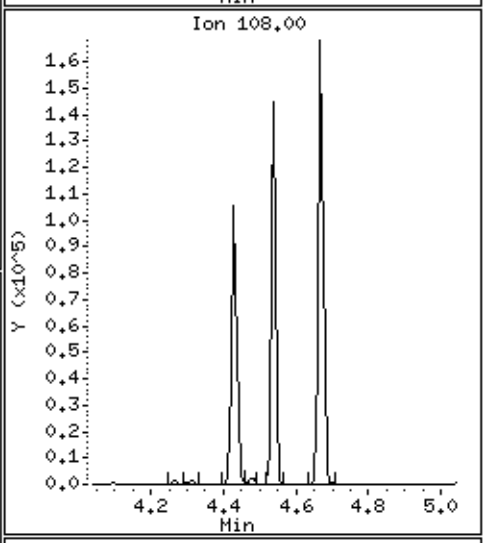
22 2-Methylphenol

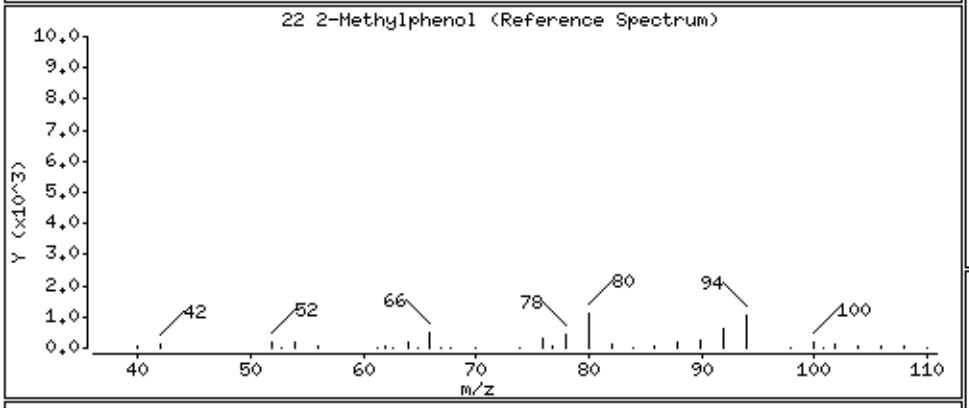
Concentration: 47.8 ug/kg

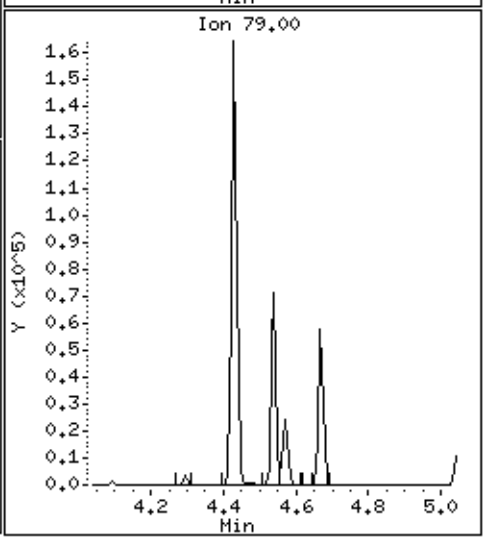


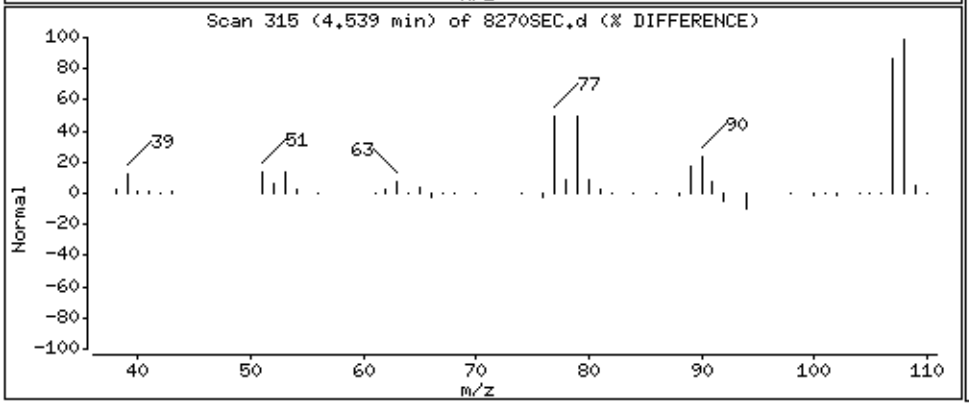












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

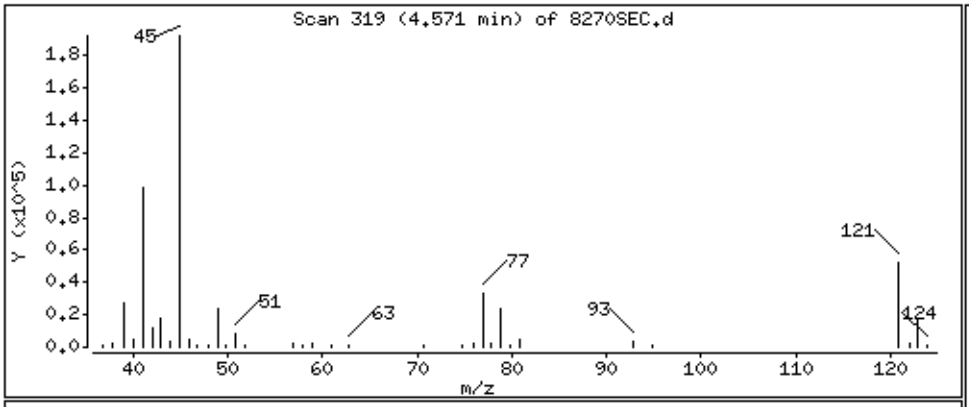
Operator: MJ

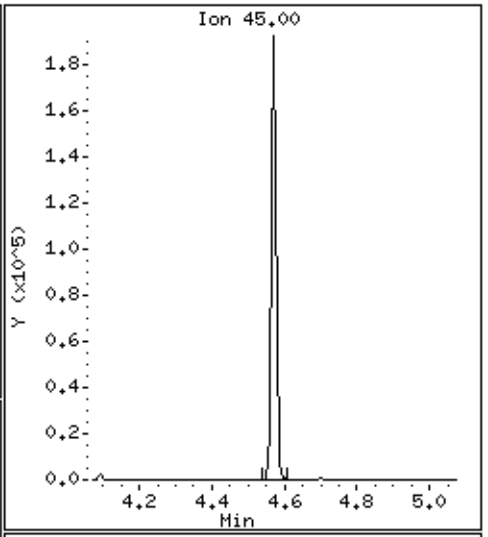
Column phase: HPMS-5

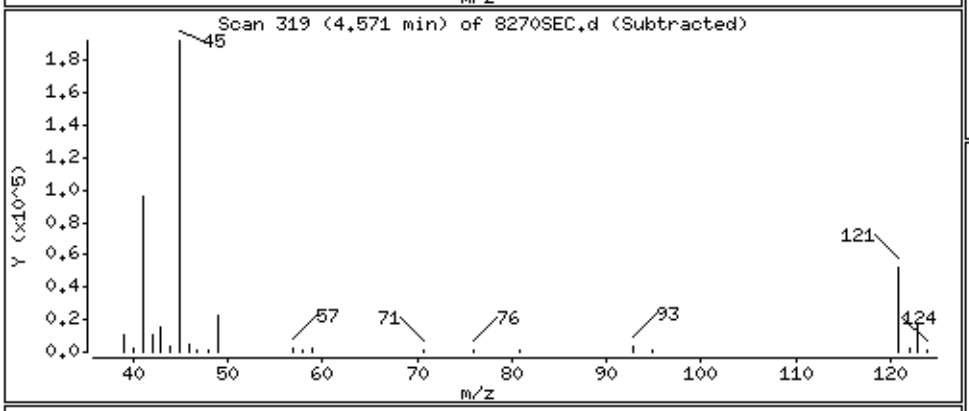
Column diameter: 0.25

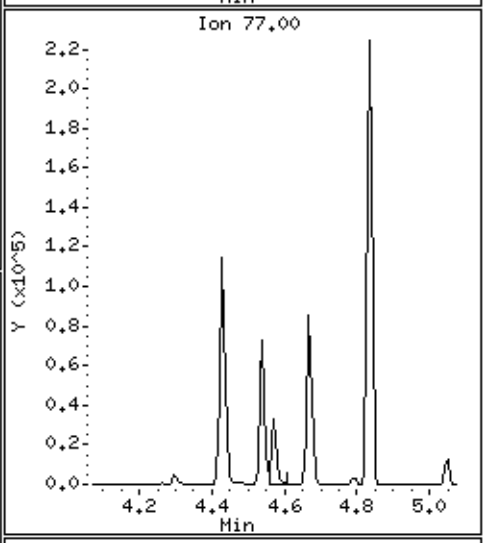
23 2,2'-oxybis(1-chloropropane)

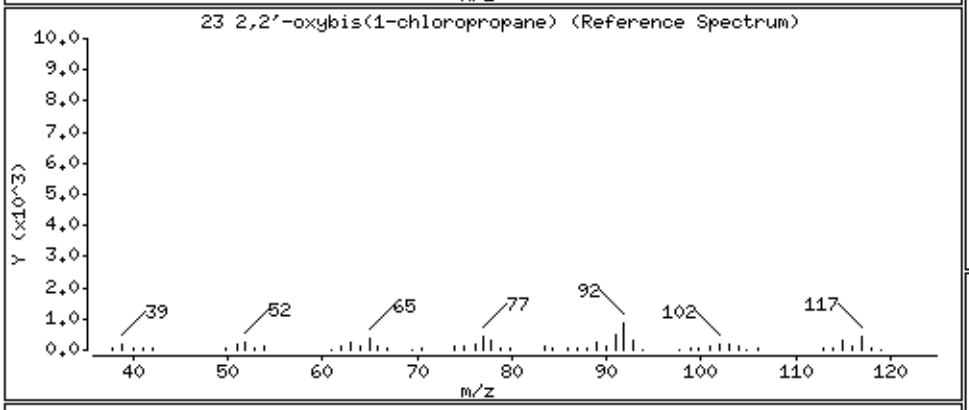
Concentration: 49.2 ug/kg

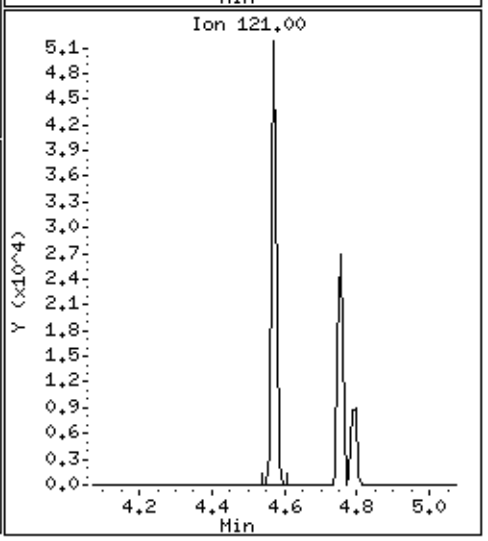


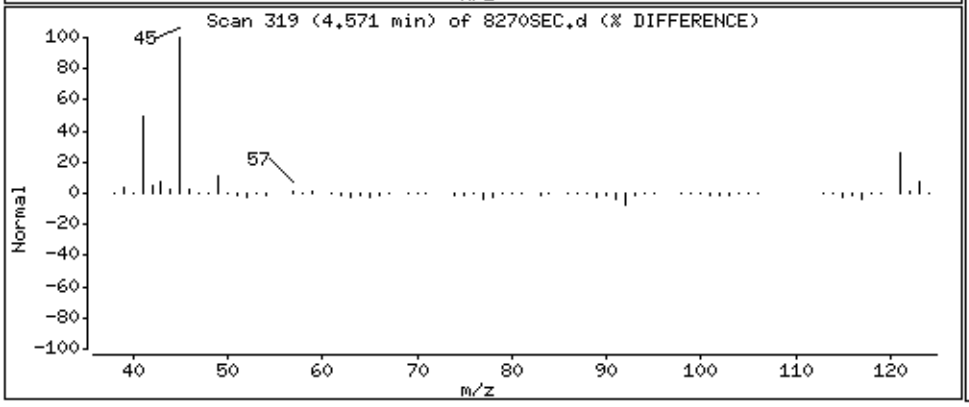












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

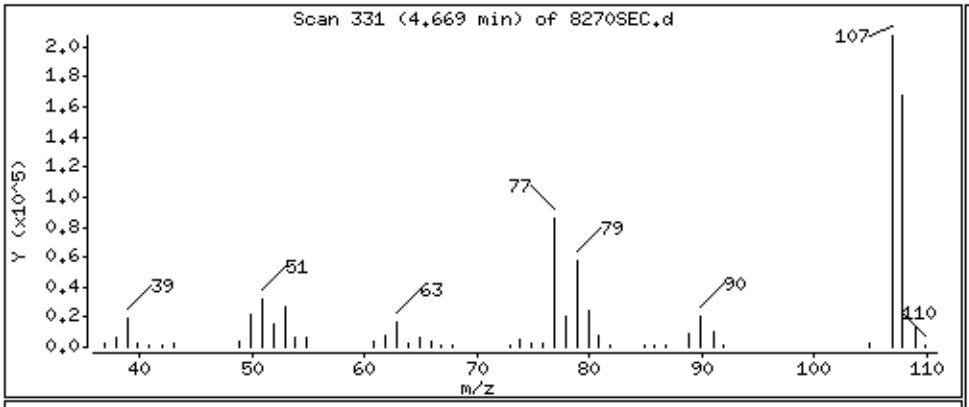
Operator: MJ

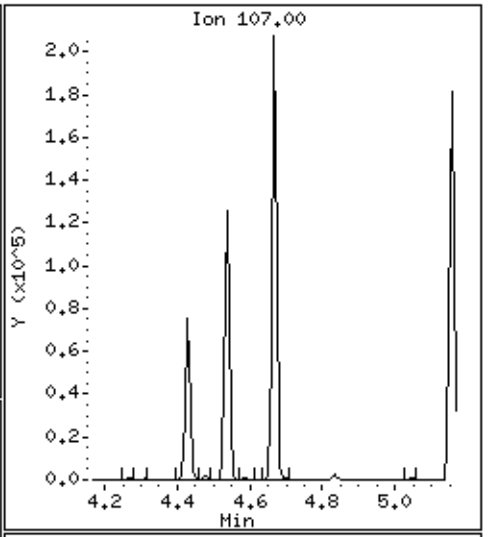
Column phase: HPMS-5

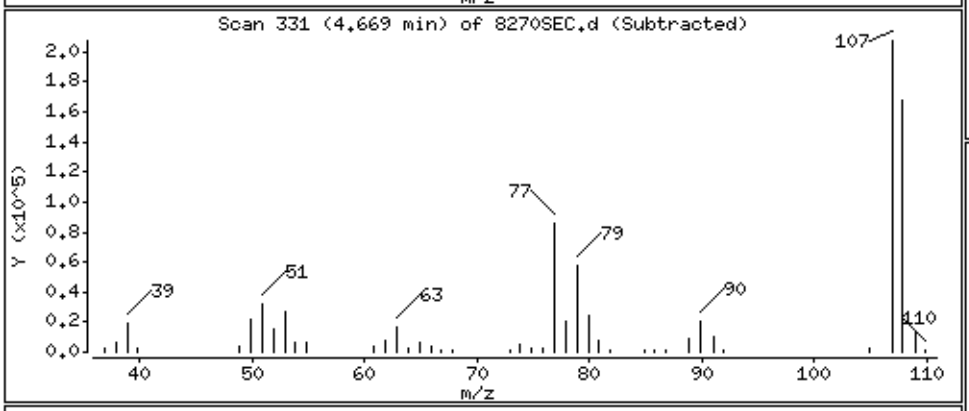
Column diameter: 0.25

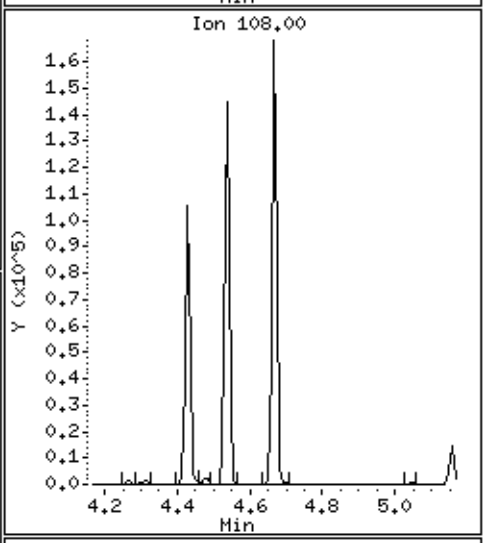
28 4-Methylphenol

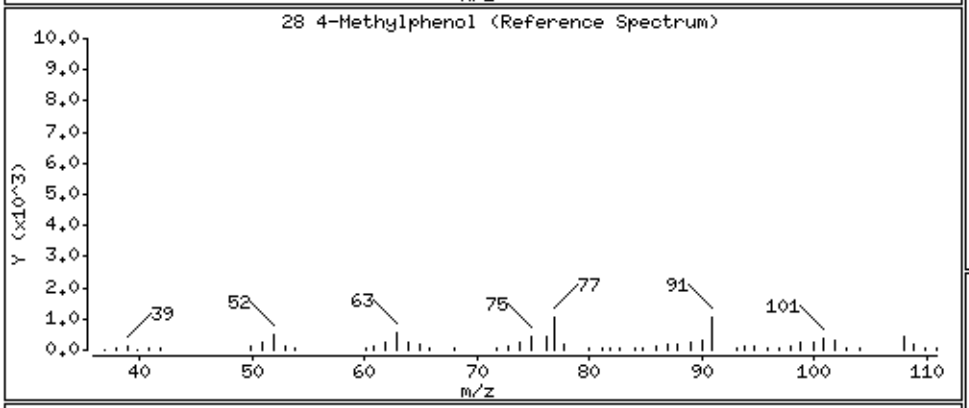
Concentration: 48.3 ug/kg

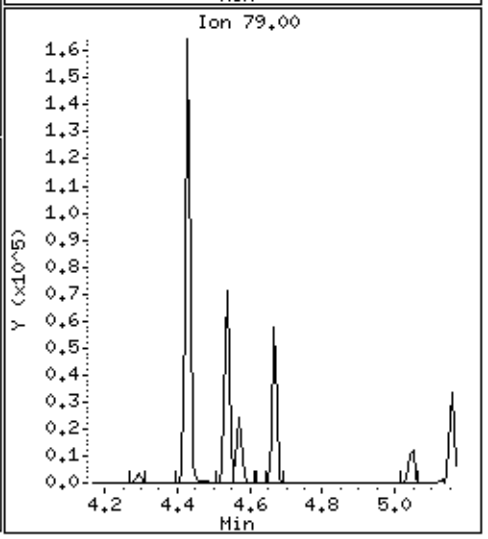


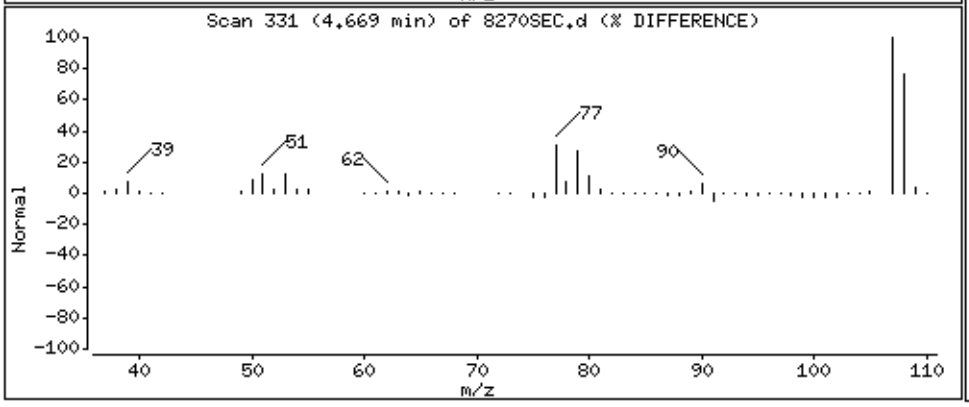












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

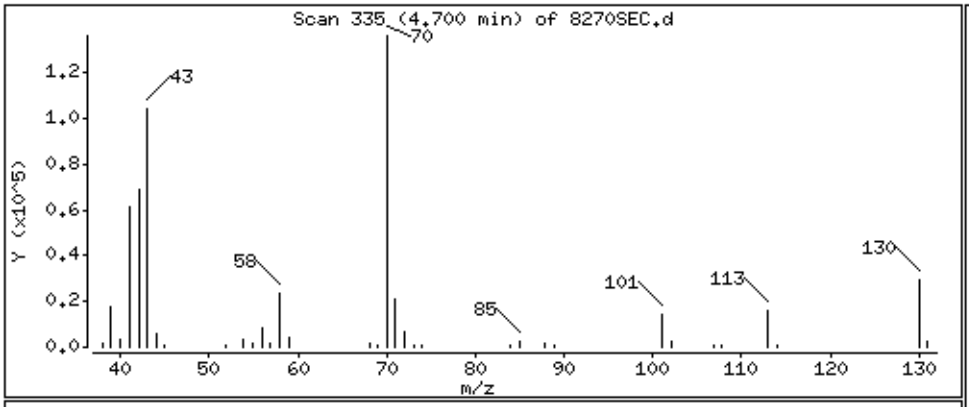
Operator: MJ

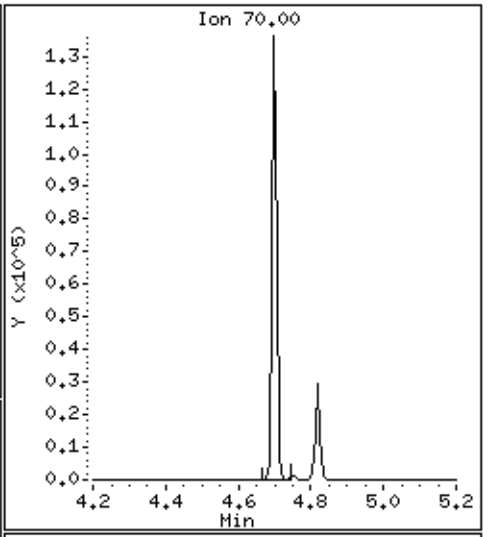
Column phase: HPMS-5

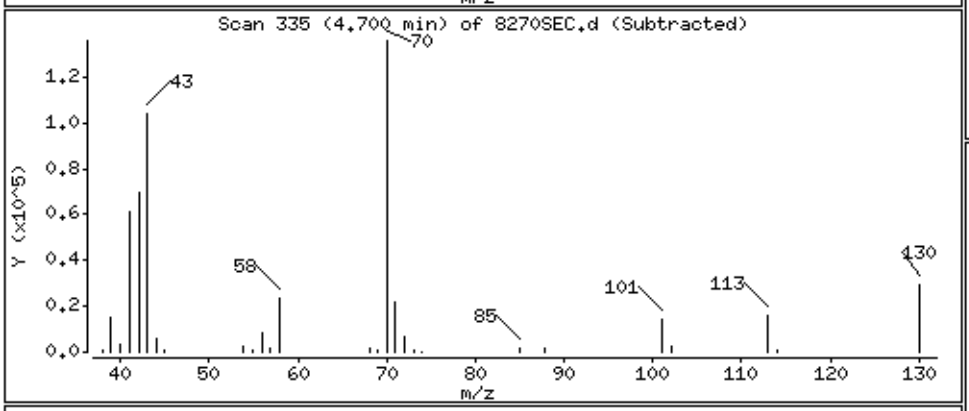
Column diameter: 0.25

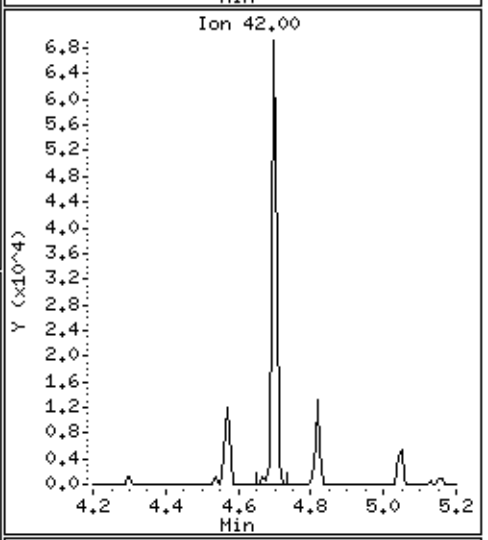
26 N-Nitrosodinpropylamine

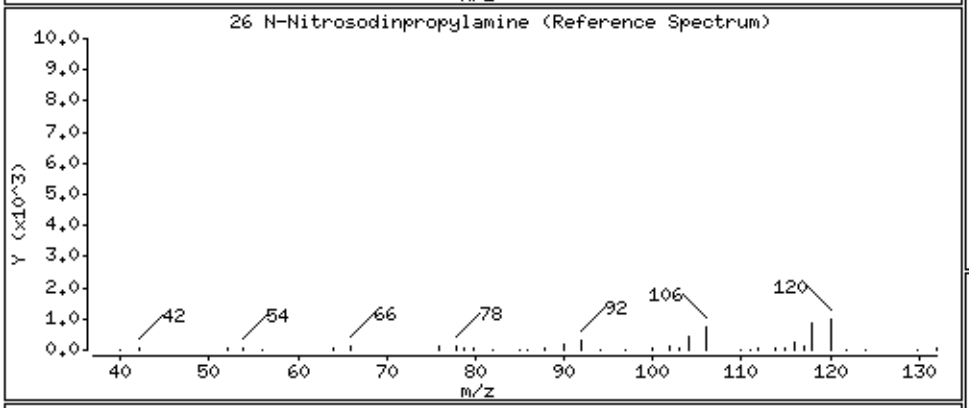
Concentration: 50.2 ug/kg

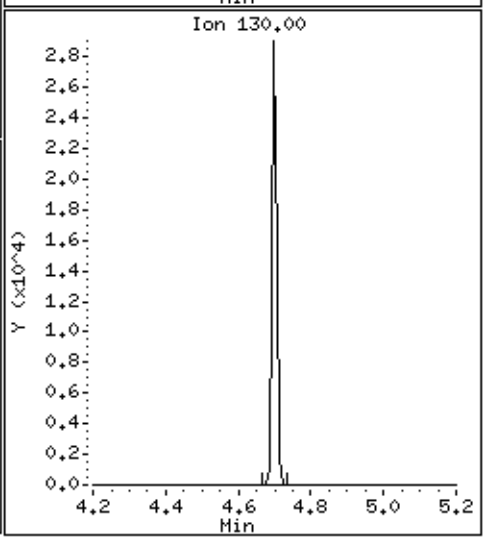


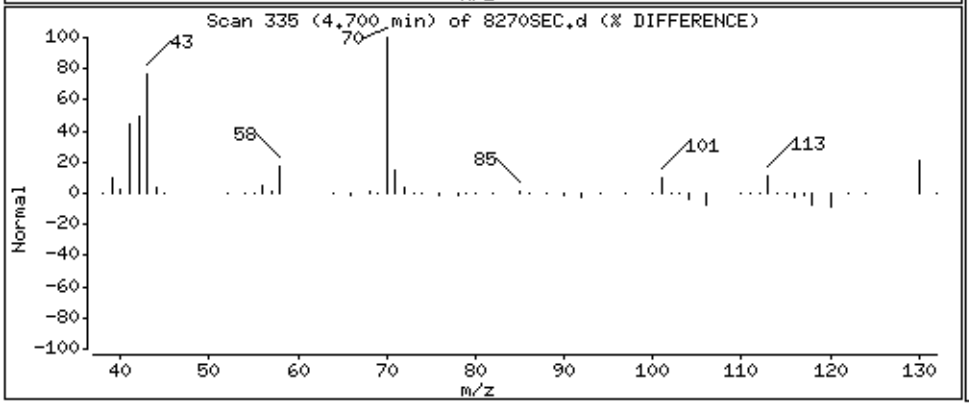












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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

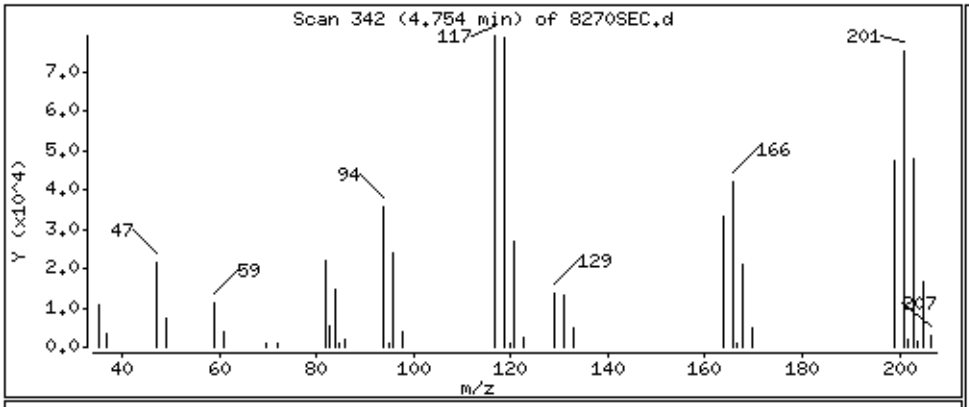
Operator: MJ

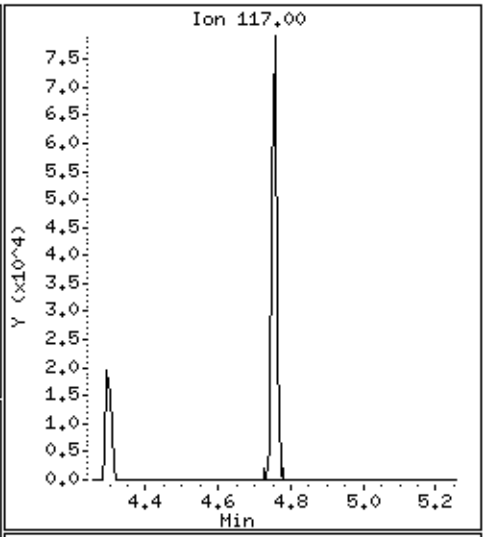
Column phase: HPMS-5

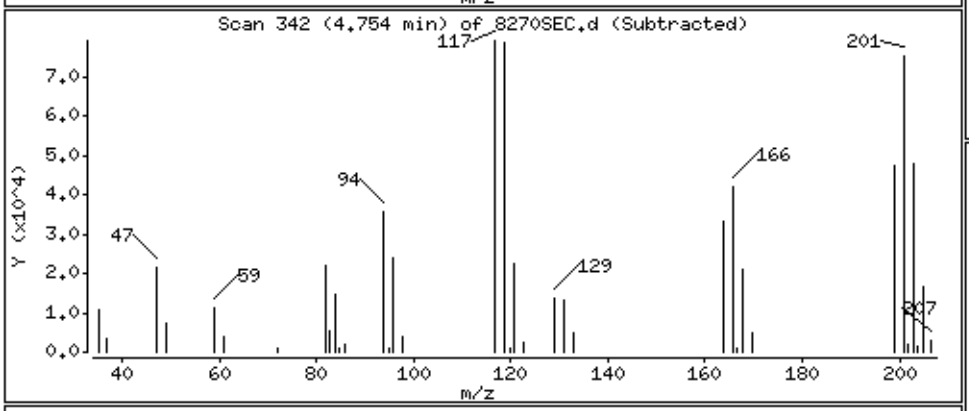
Column diameter: 0.25

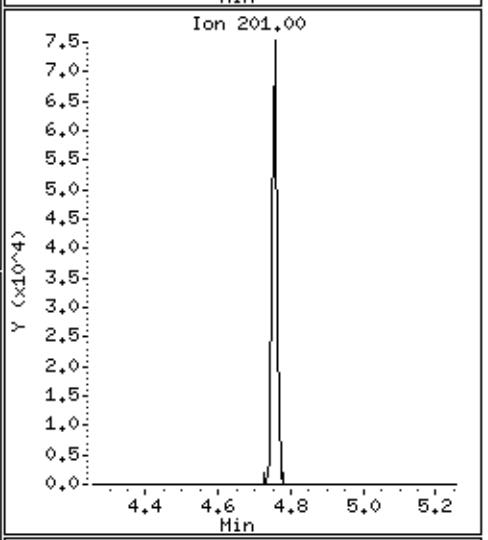
30 Hexachloroethane

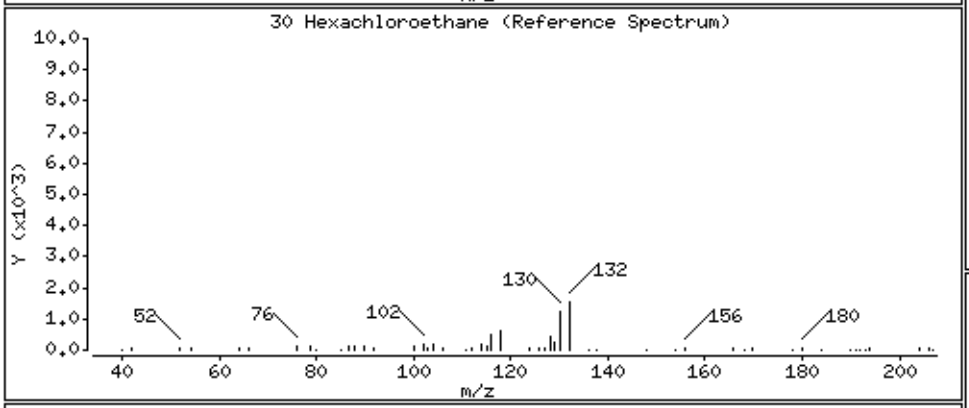
Concentration: 48.0 ug/kg

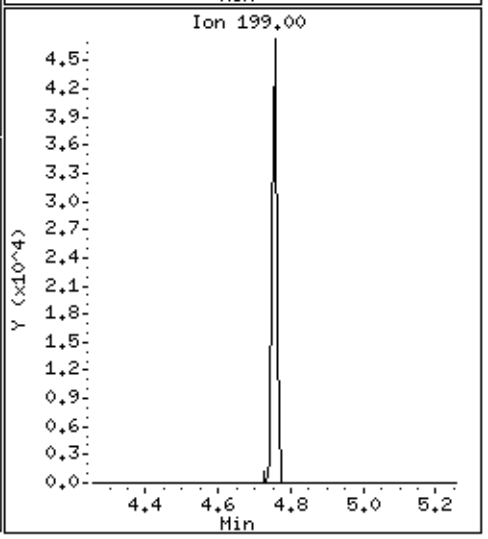


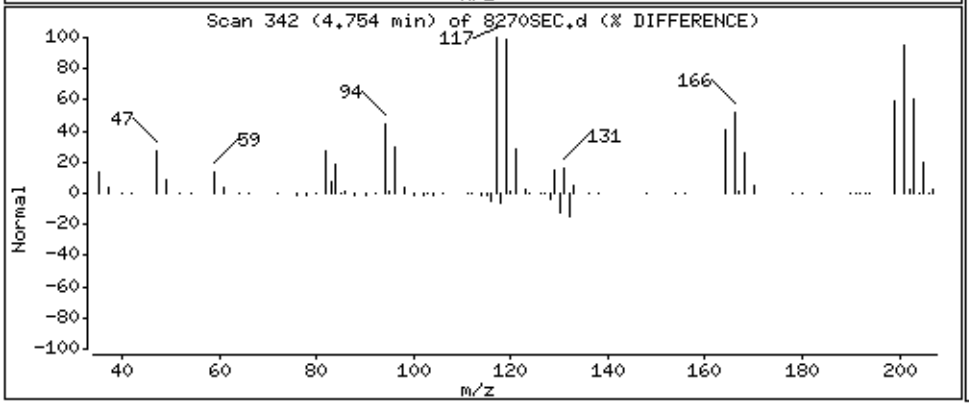












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

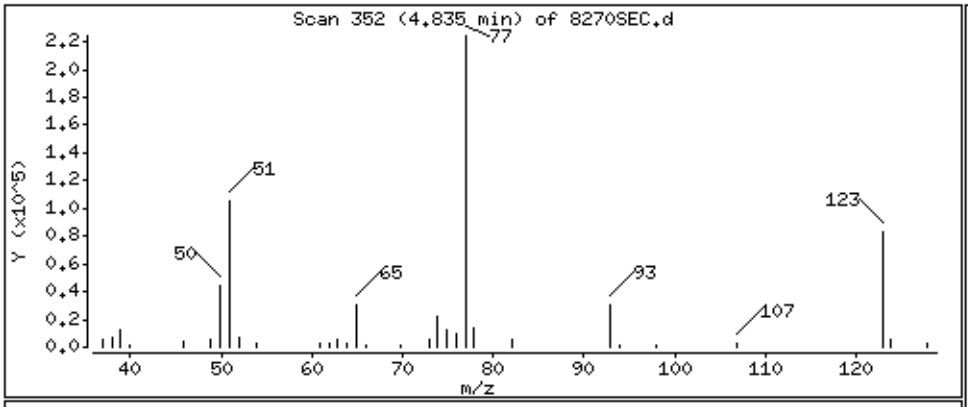
Operator: MJ

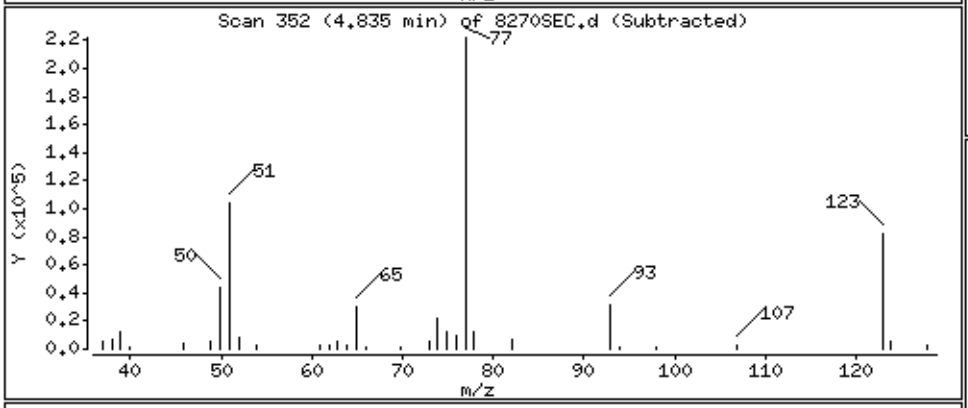
Column phase: HPMS-5

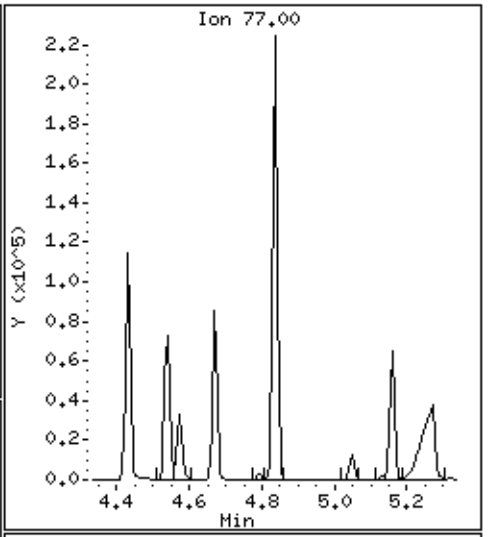
Column diameter: 0.25

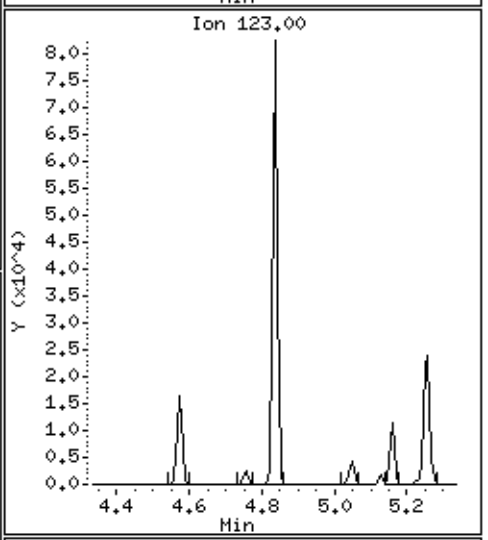
32 Nitrobenzene

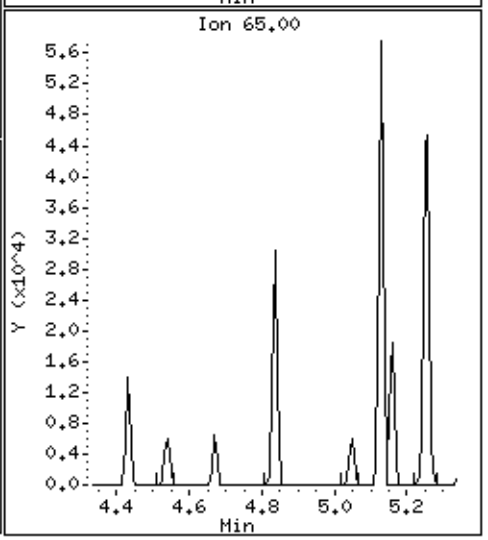
Concentration: 46.8 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

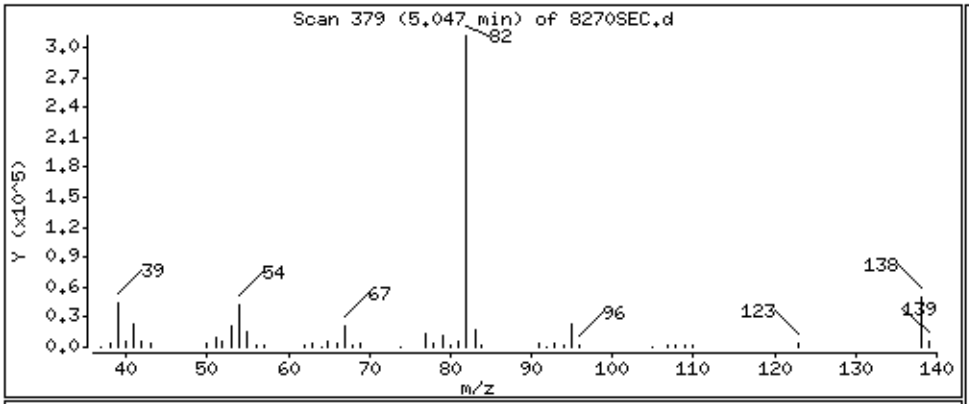
Operator: MJ

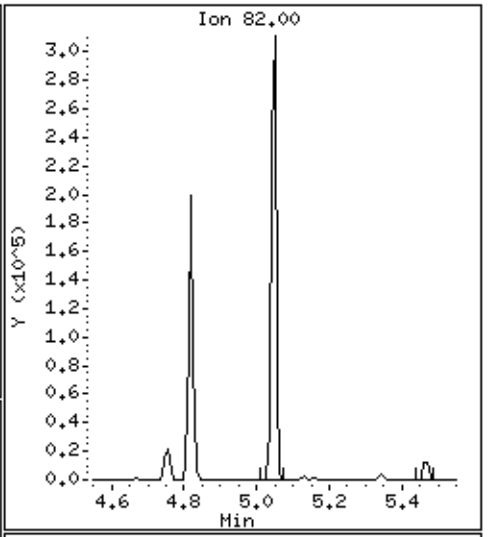
Column phase: HPMS-5

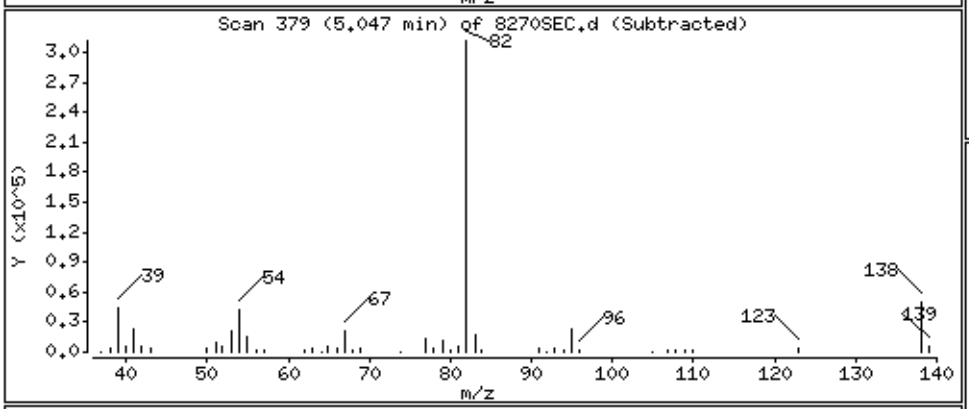
Column diameter: 0.25

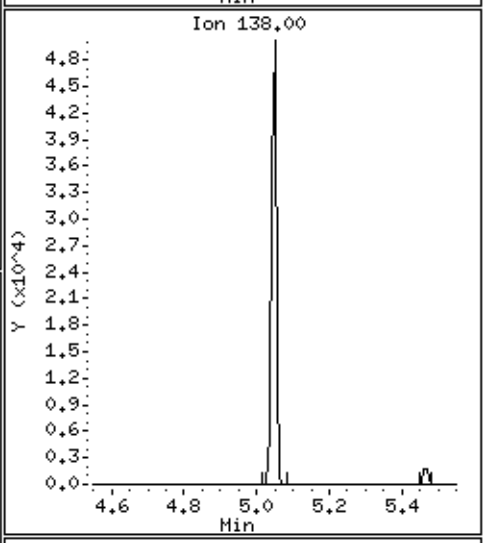
34 Isophorone

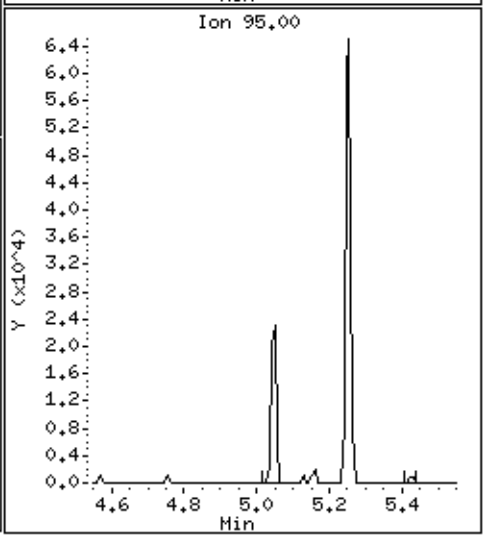
Concentration: 45.1 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

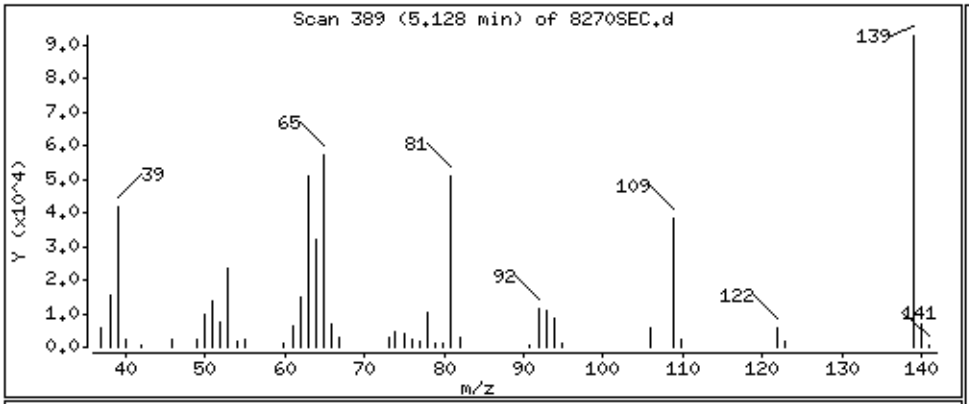
Operator: MJ

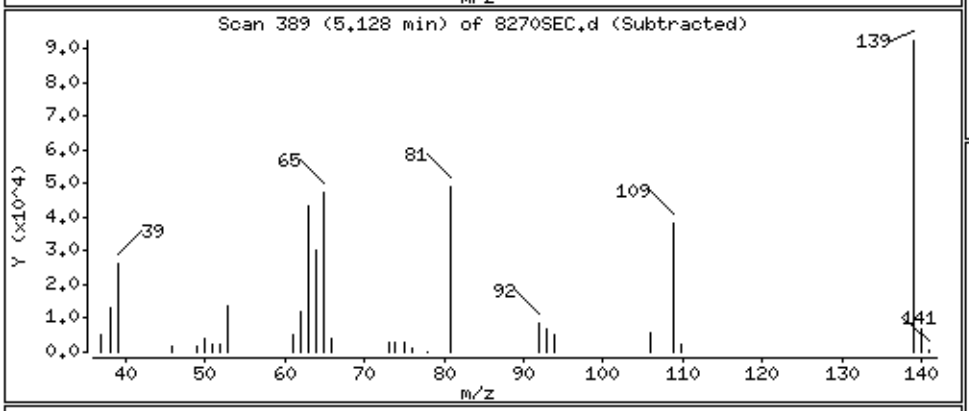
Column phase: HPMS-5

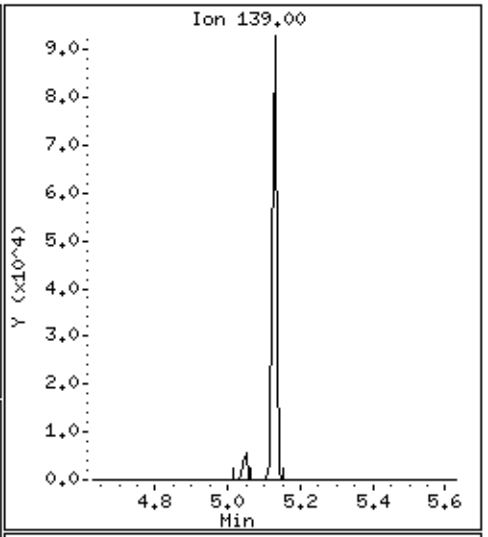
Column diameter: 0.25

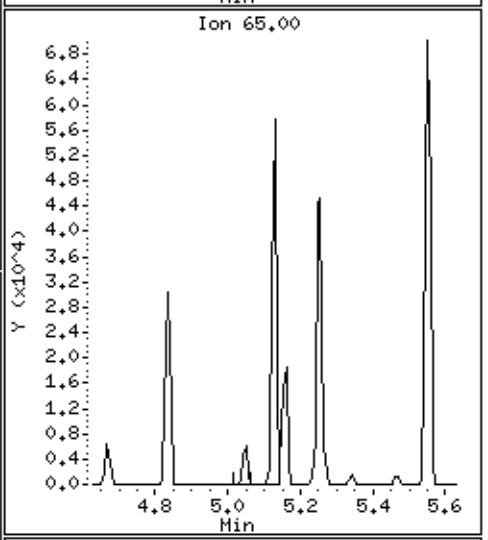
35 2-Nitrophenol

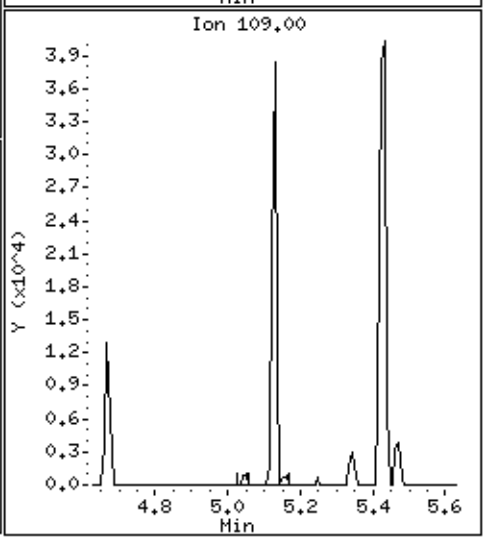
Concentration: 48.3 ug/kg











Date : 15-NOV-2012 01:07

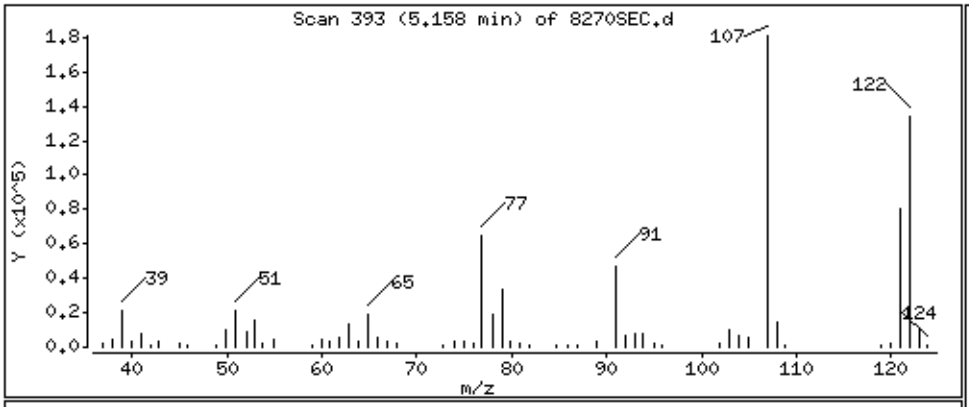
Client ID: 8270SEC Instrument: smsd04.i

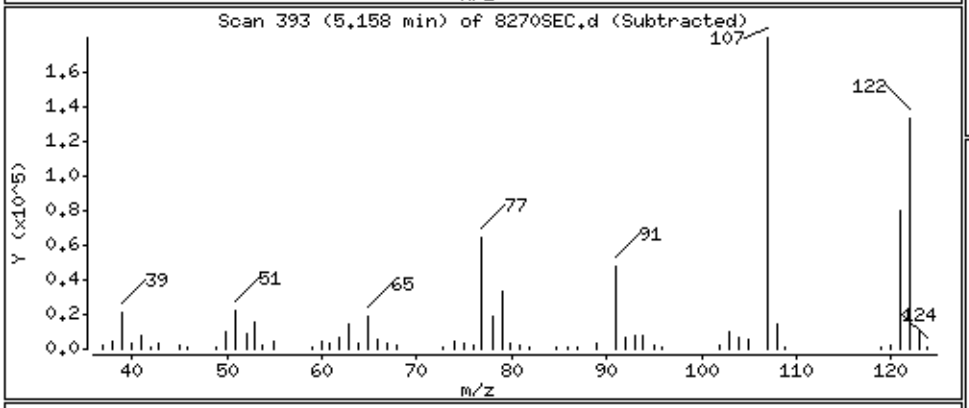
Sample Info: 47770

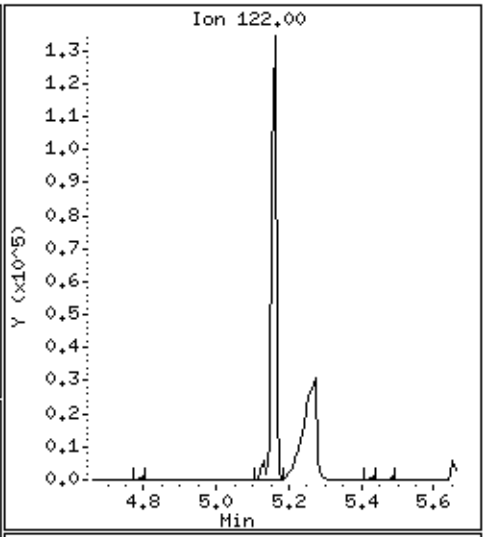
Operator: MJ

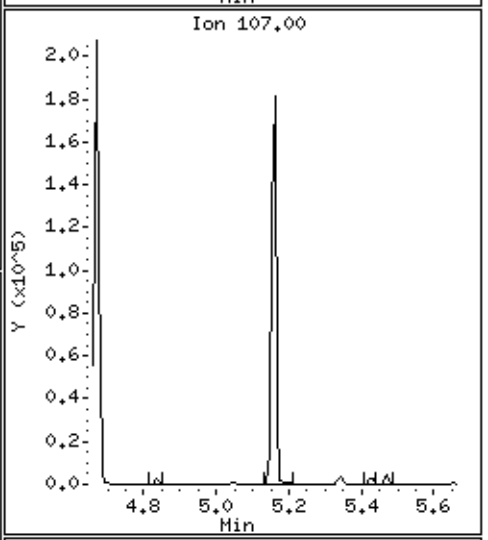
Column phase: HPMS-5 Column diameter: 0.25

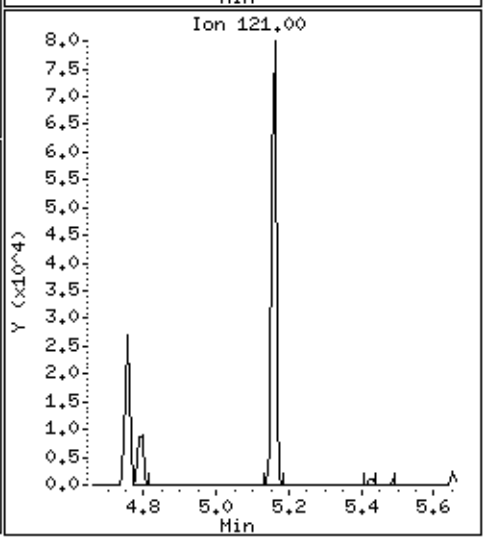
36 2,4-Dimethylphenol Concentration: 53.6 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

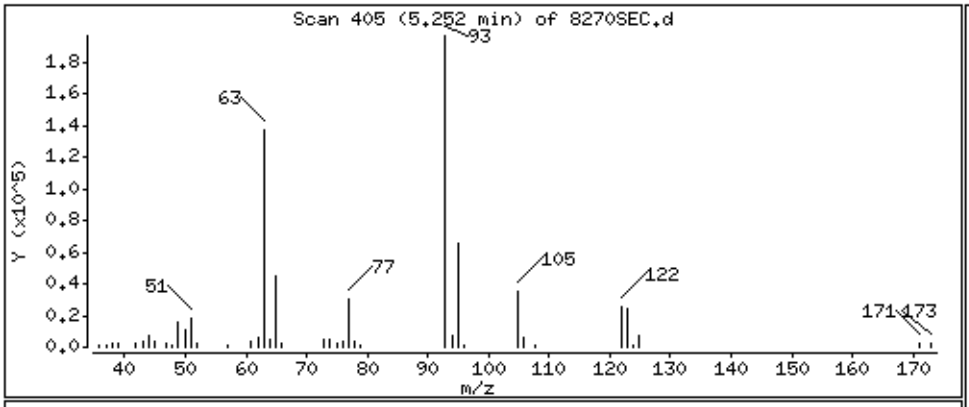
Operator: MJ

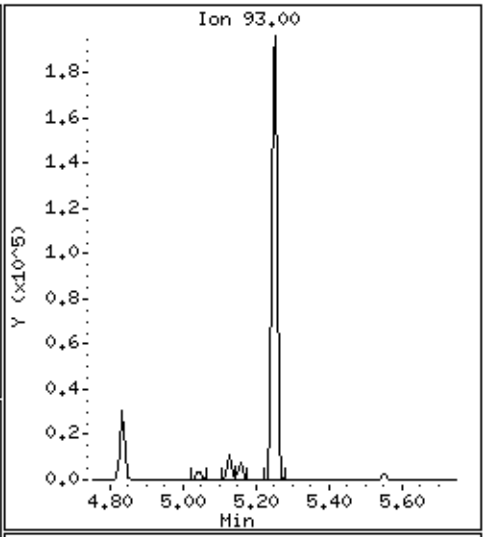
Column phase: HPMS-5

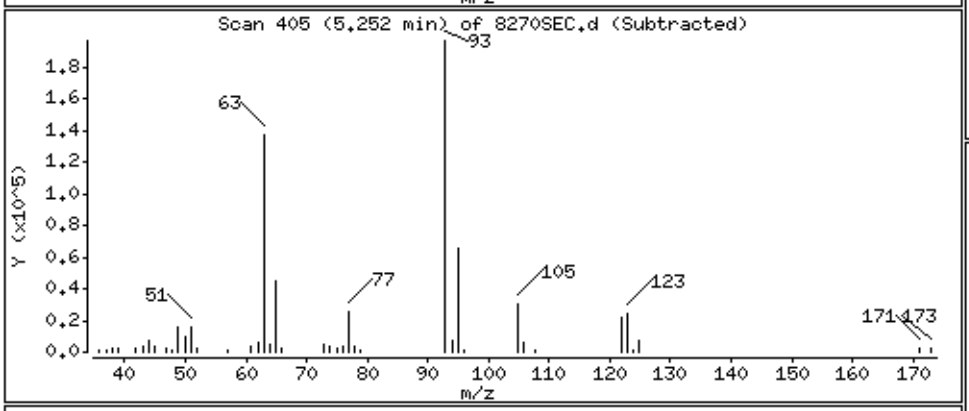
Column diameter: 0.25

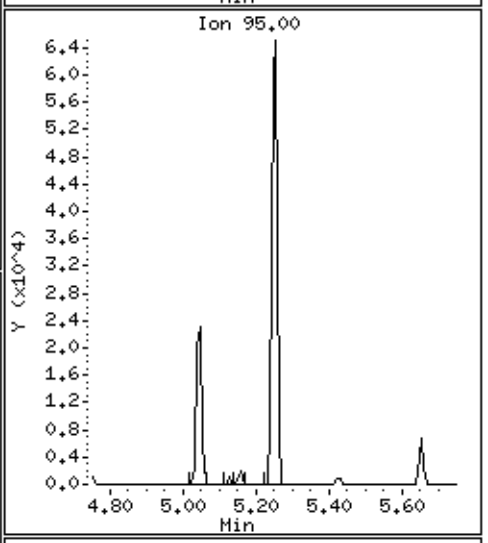
38 Bis(2-Chloroethoxy)methane

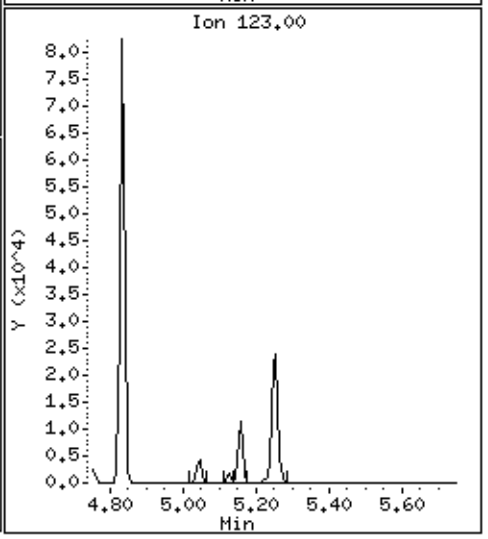
Concentration: 50.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

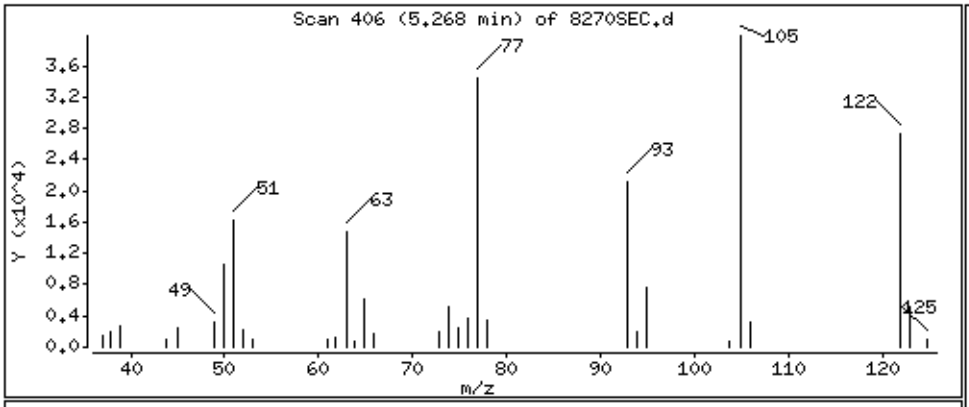
Operator: MJ

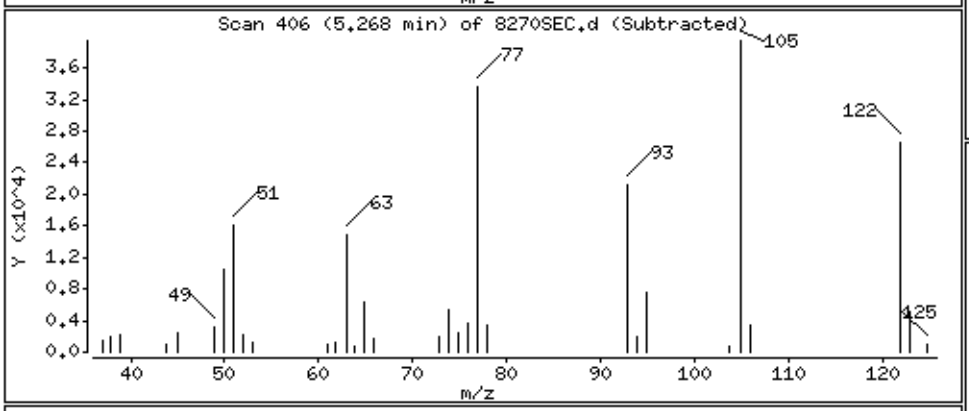
Column phase: HPMS-5

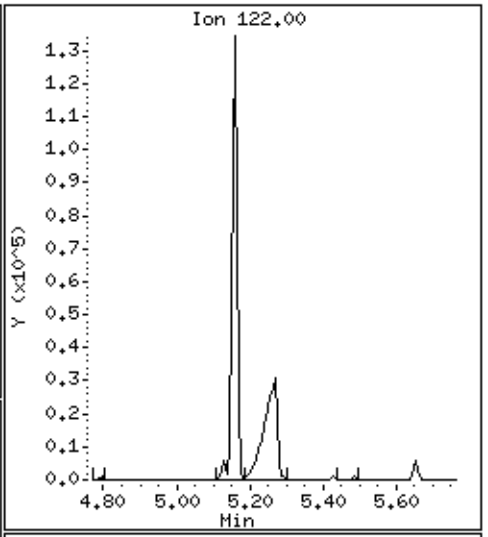
Column diameter: 0.25

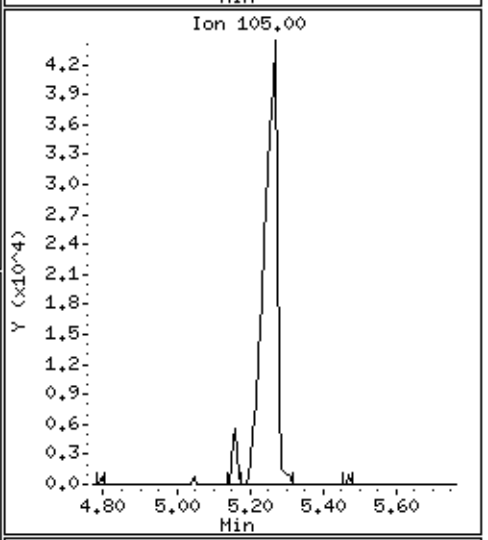
40 Benzoic Acid

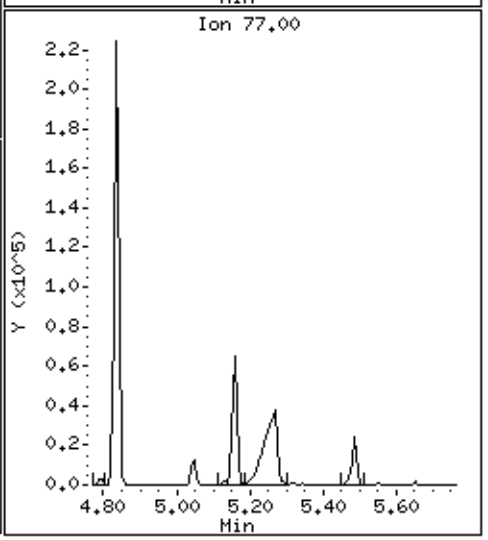
Concentration: 43.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

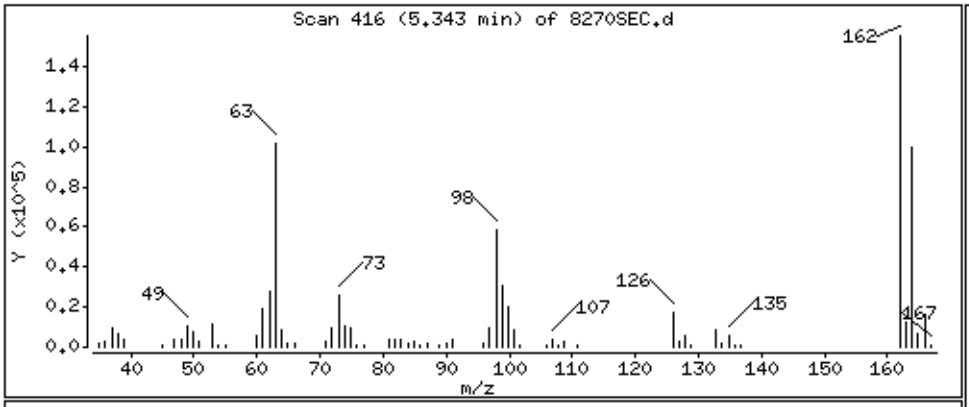
Operator: MJ

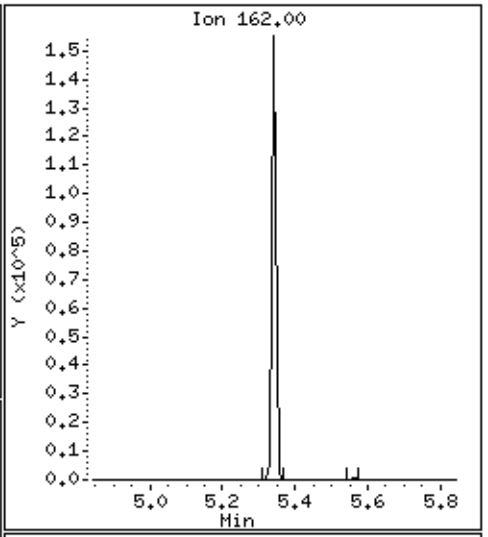
Column phase: HPMS-5

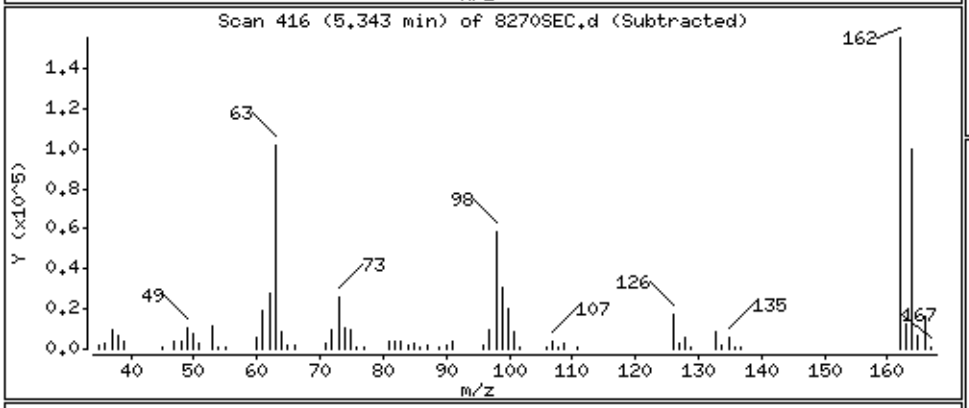
Column diameter: 0.25

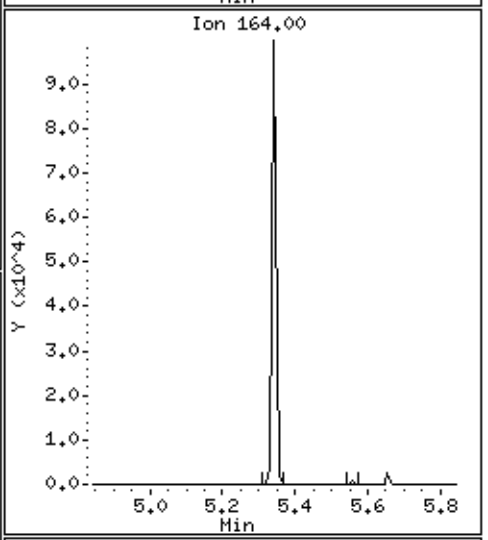
41 2,4-Dichlorophenol

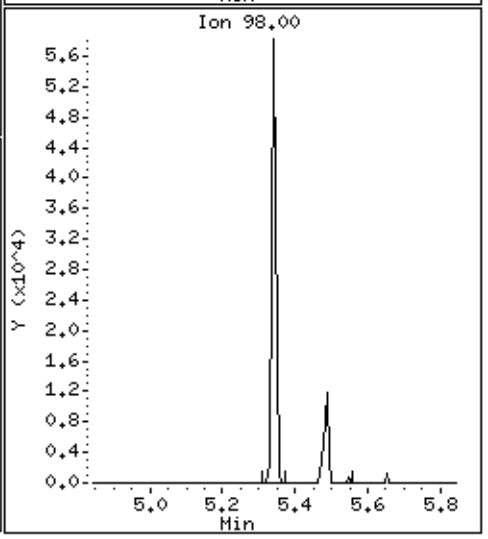
Concentration: 46.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

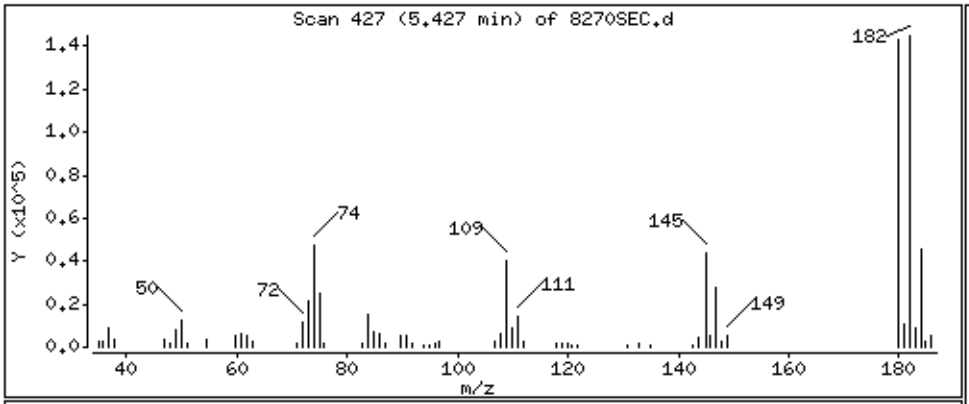
Operator: MJ

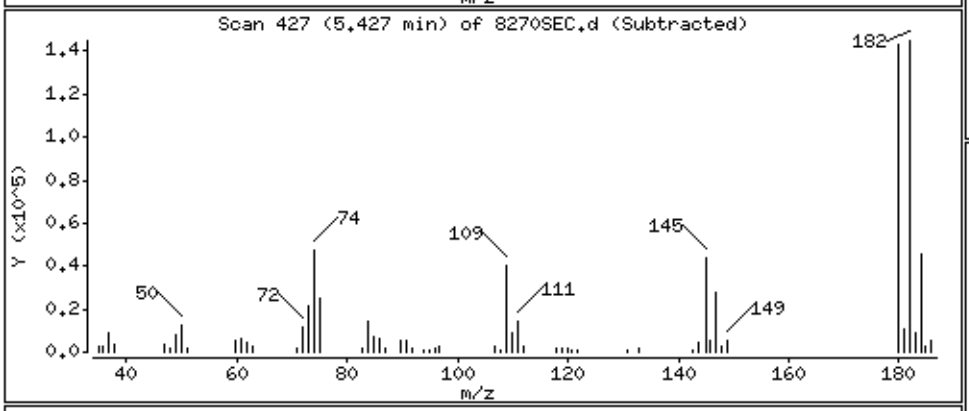
Column phase: HPMS-5

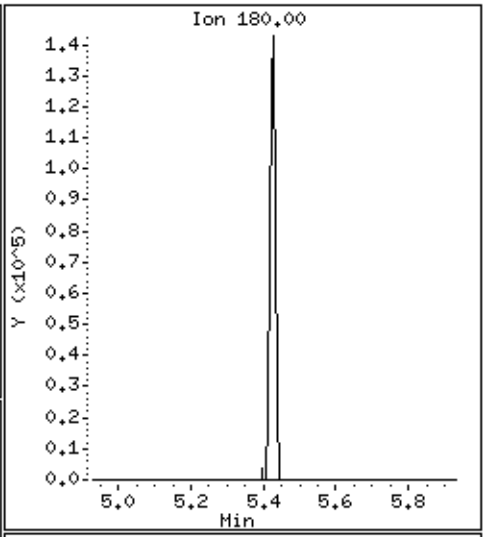
Column diameter: 0.25

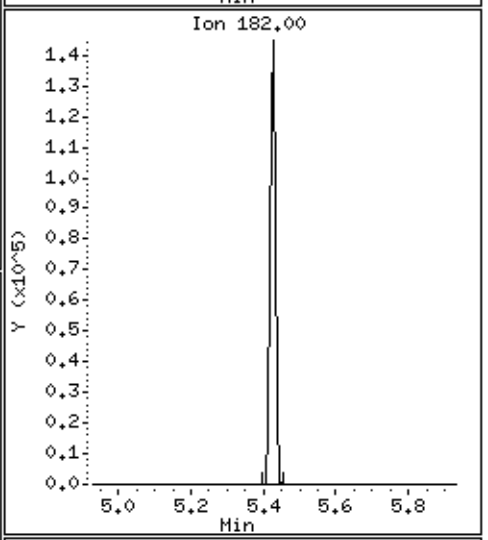
42 1,2,4-Trichlorobenzene

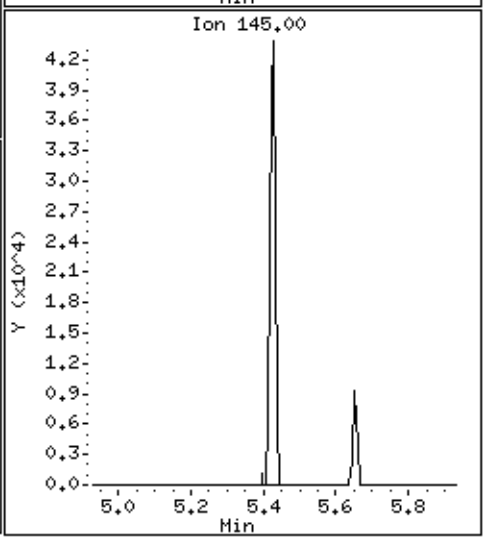
Concentration: 46.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

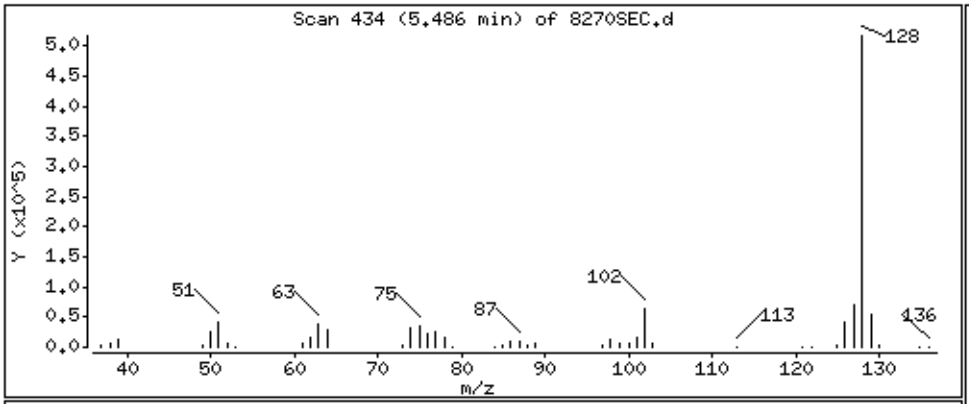
Operator: MJ

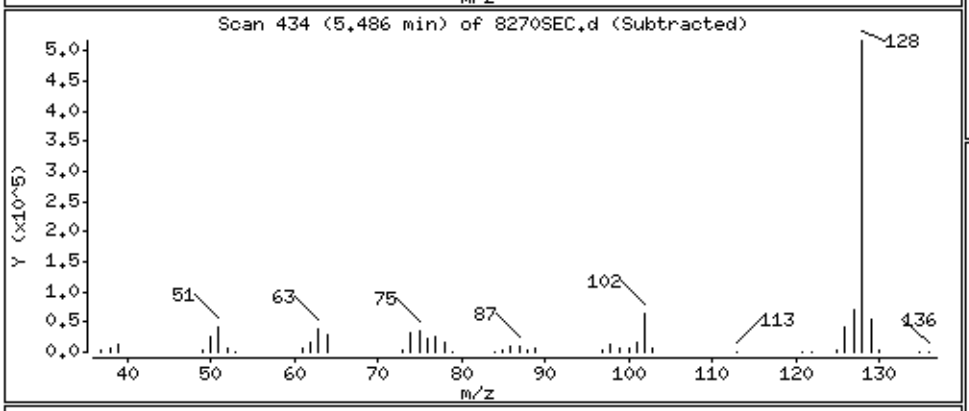
Column phase: HPMS-5

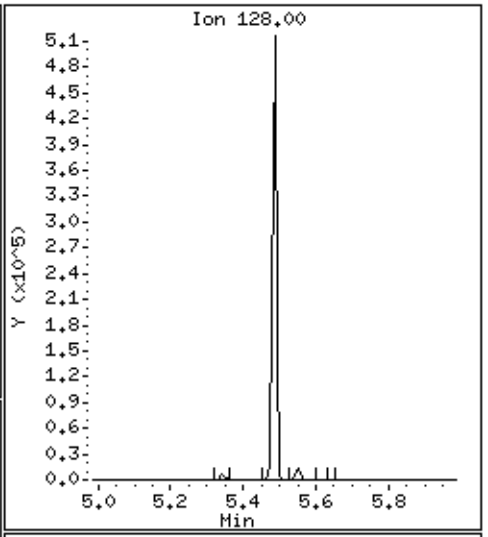
Column diameter: 0.25

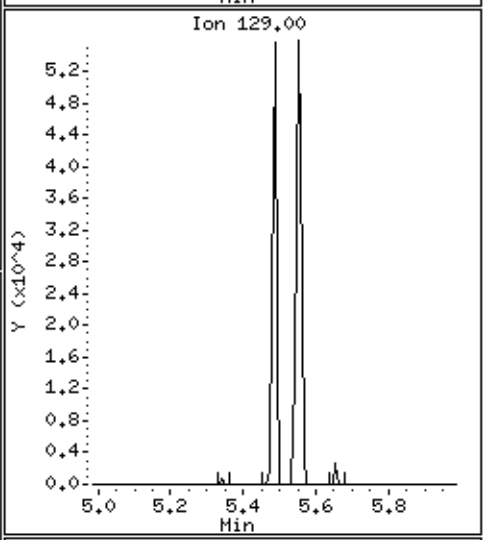
44 Naphthalene

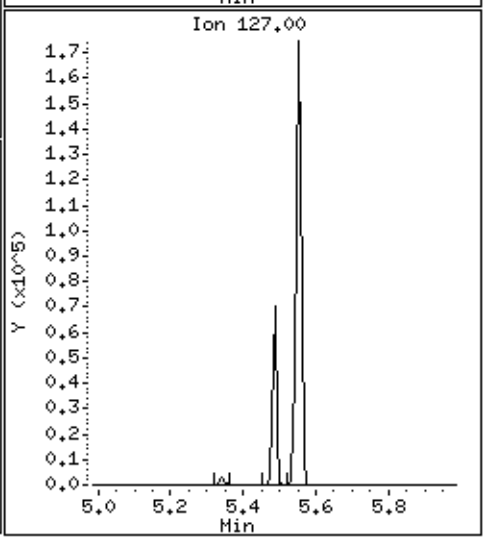
Concentration: 48.9 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

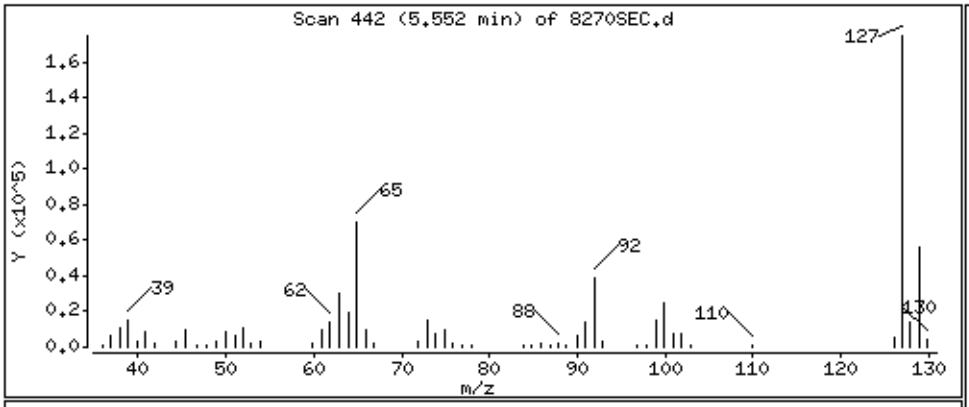
Operator: MJ

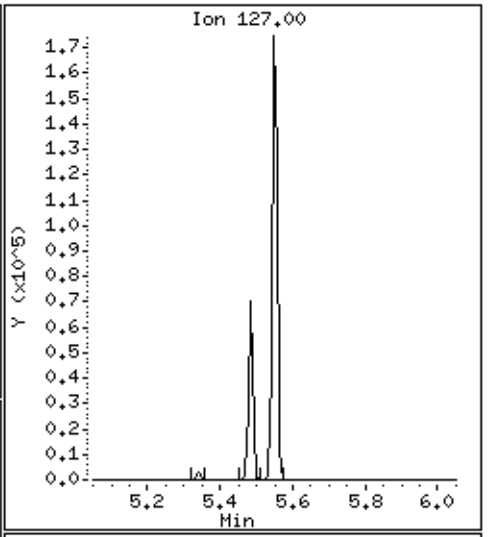
Column phase: HPMS-5

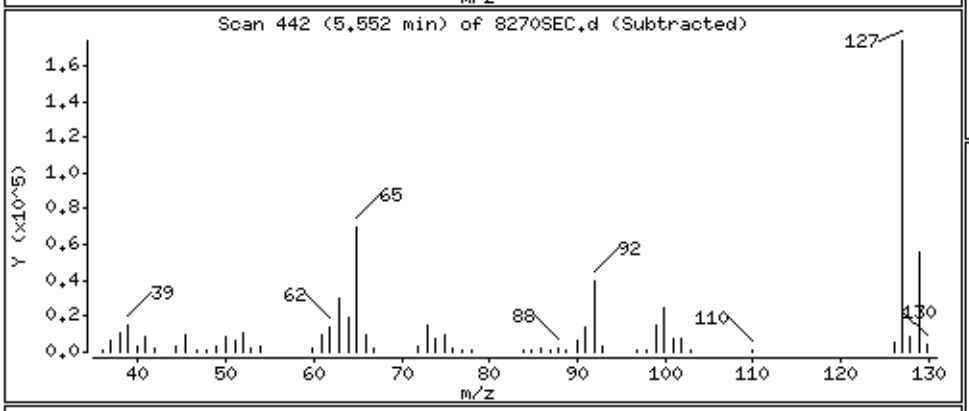
Column diameter: 0.25

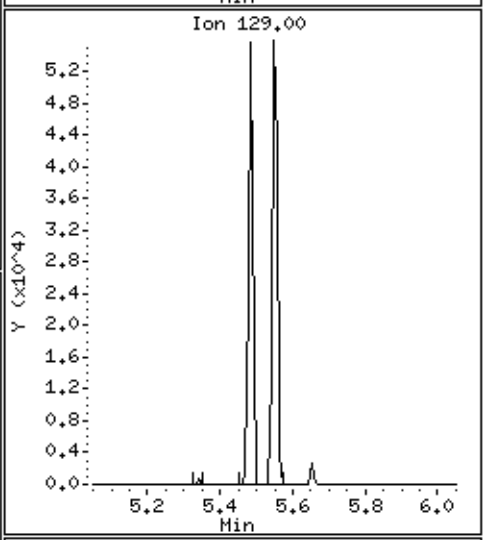
45 4-Chloroaniline

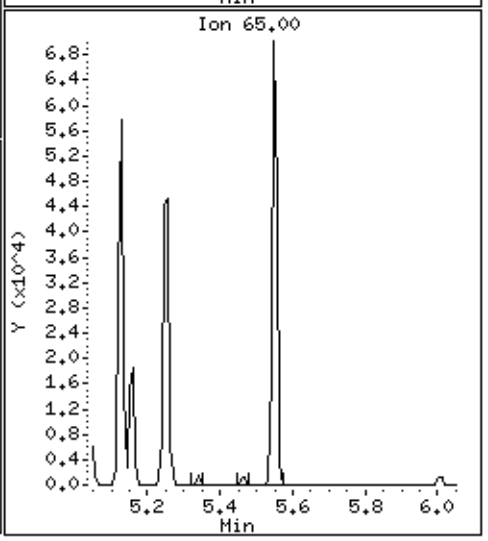
Concentration: 47.3 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

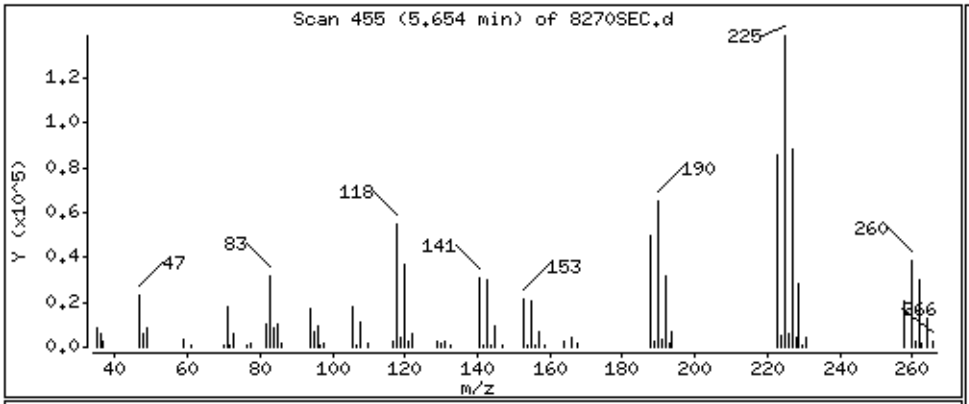
Operator: MJ

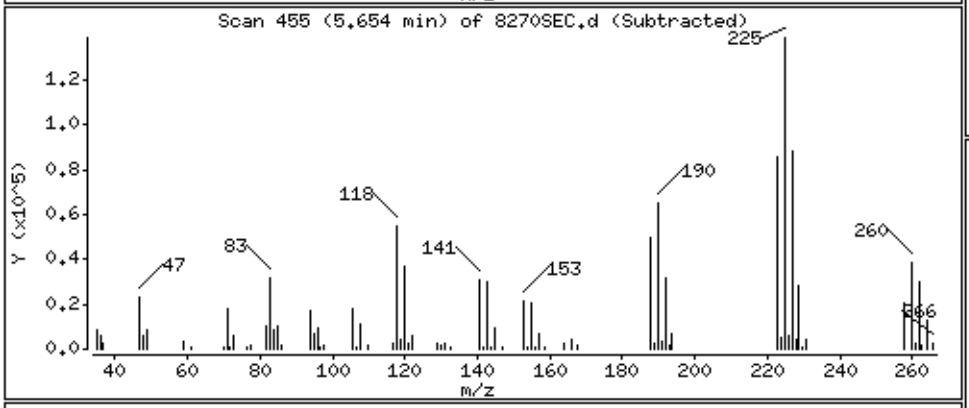
Column phase: HPMS-5

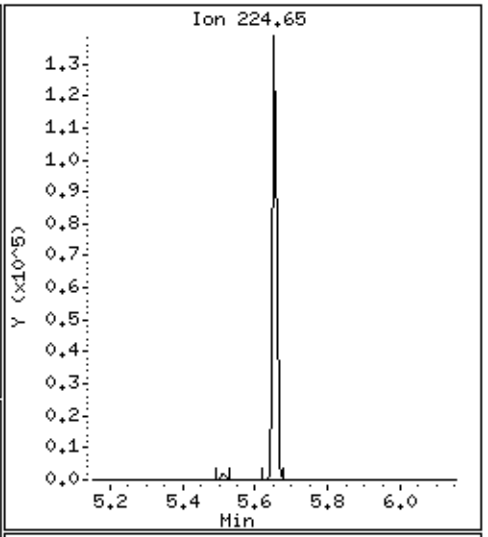
Column diameter: 0.25

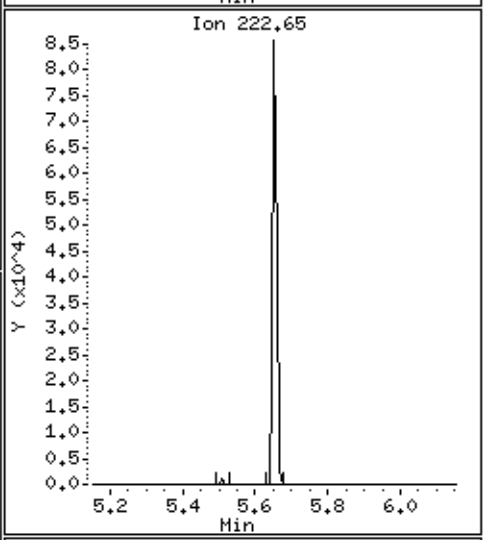
48 Hexachlorobutadiene

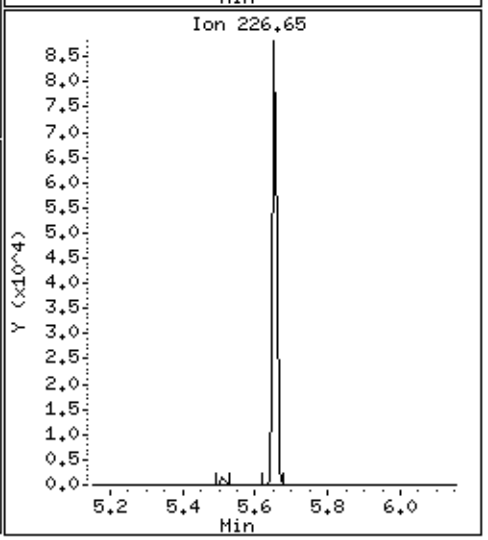
Concentration: 50.3 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

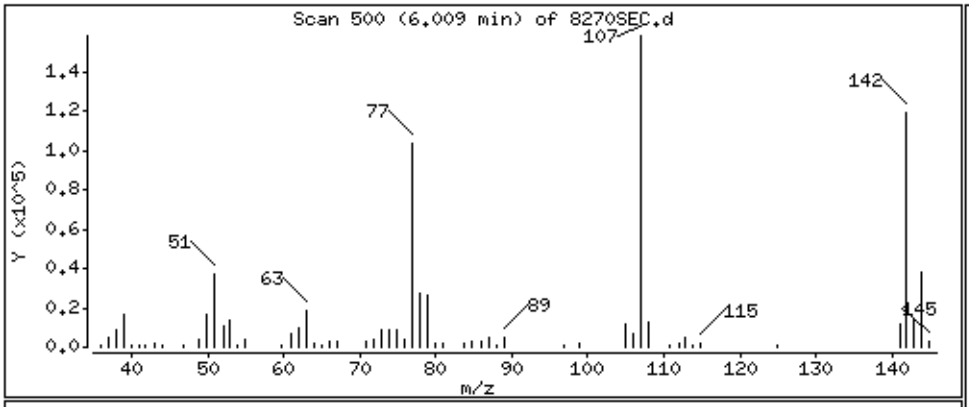
Operator: MJ

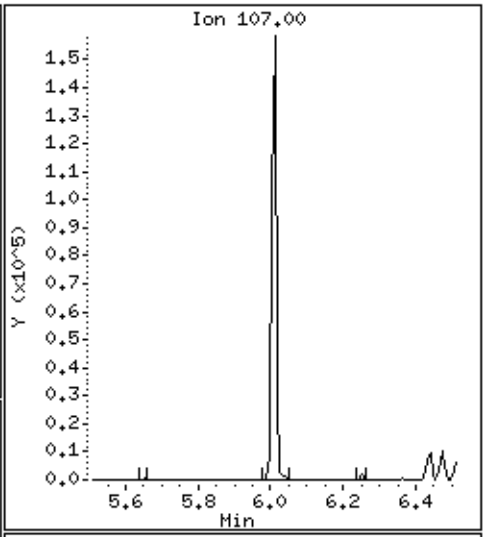
Column phase: HPMS-5

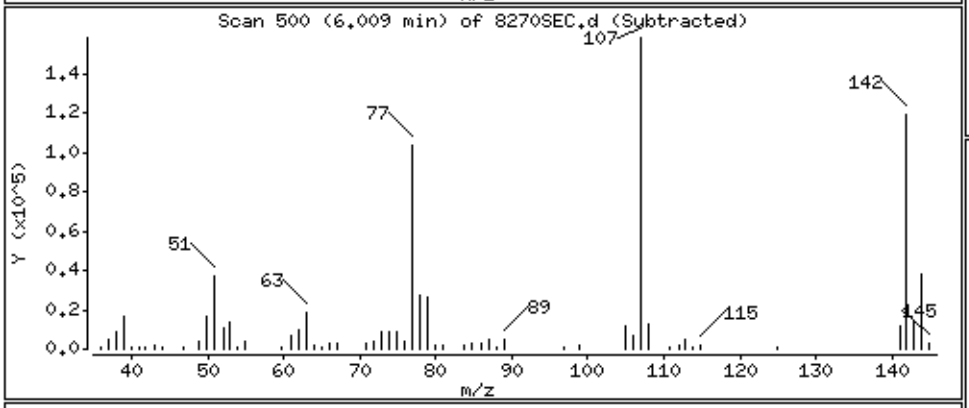
Column diameter: 0.25

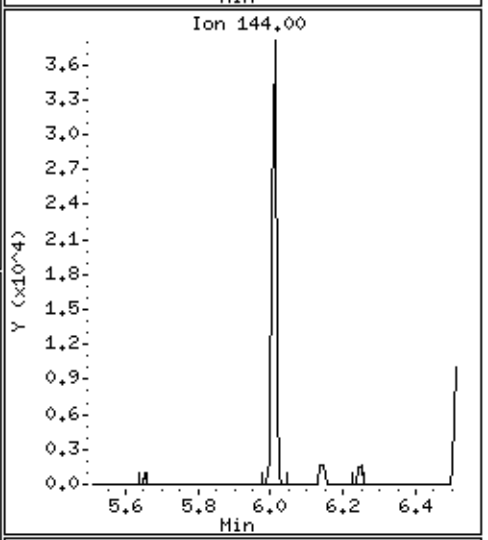
51 4-Chloro-3-methylphenol

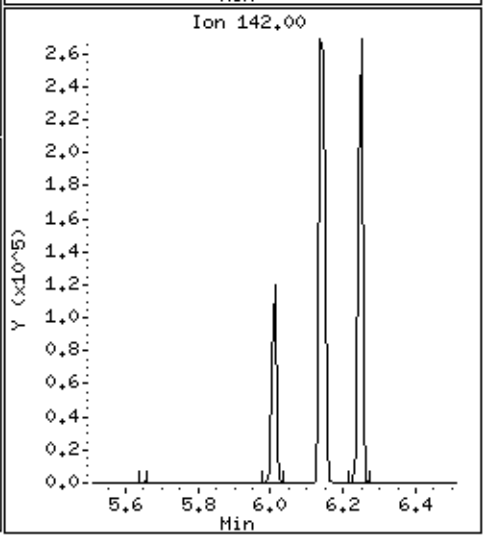
Concentration: 47.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

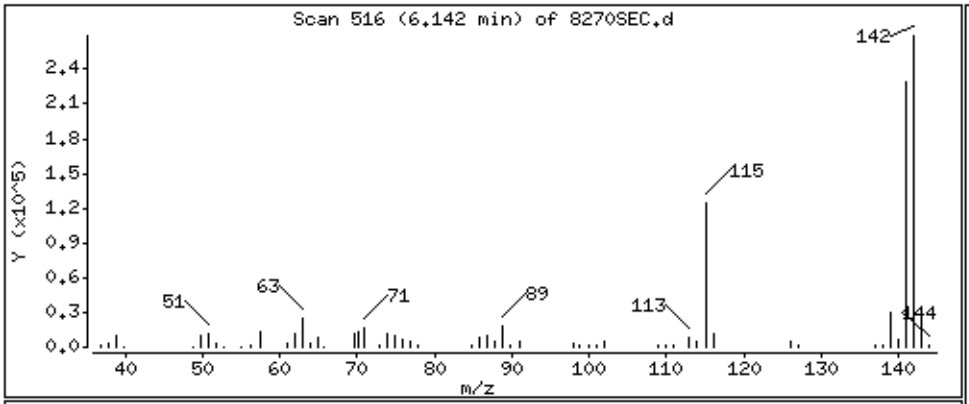
Operator: MJ

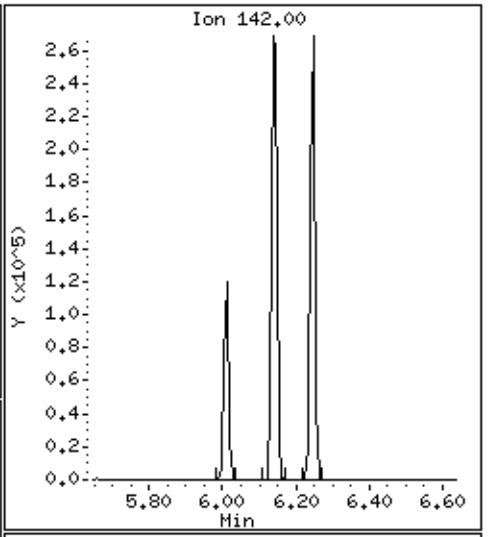
Column phase: HPMS-5

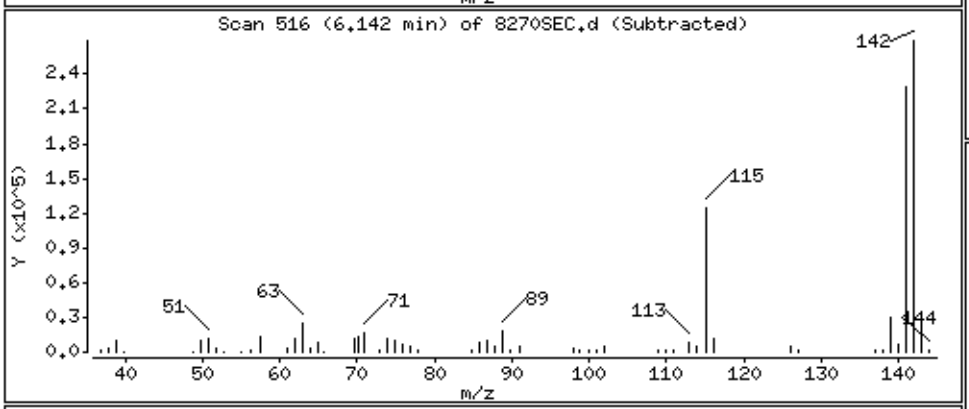
Column diameter: 0.25

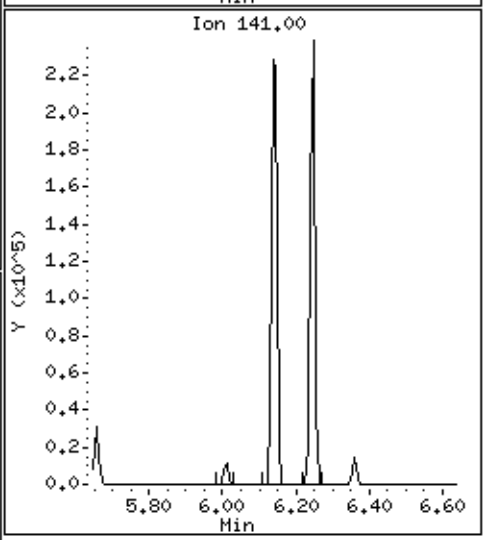
53 2-Methylnaphthalene

Concentration: 48.6 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

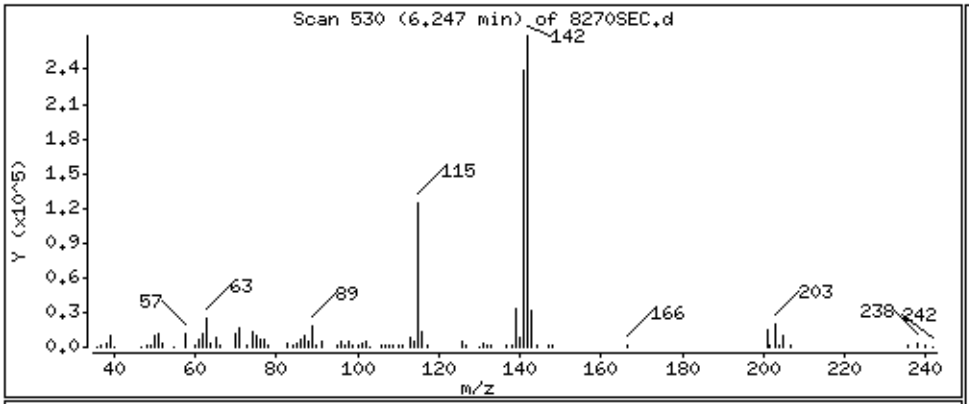
Operator: MJ

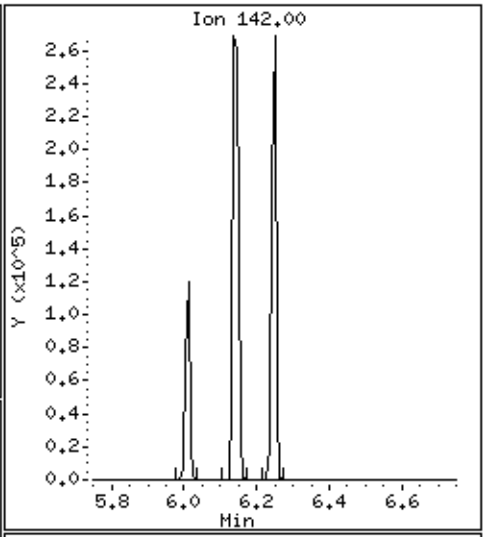
Column phase: HPMS-5

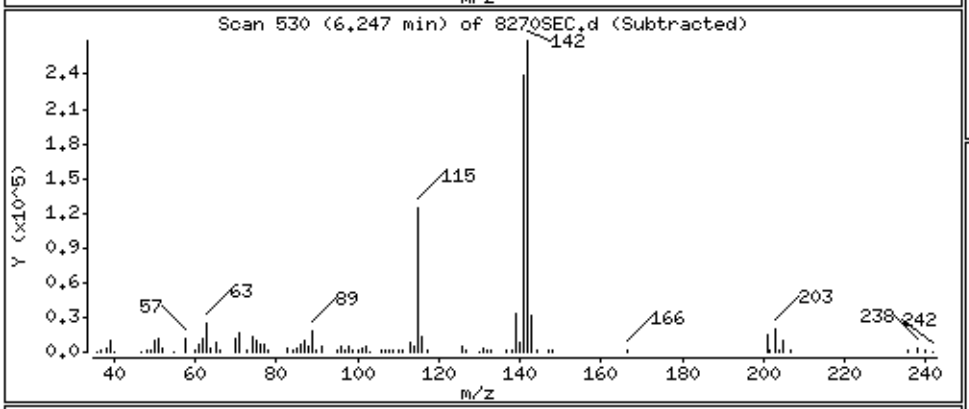
Column diameter: 0.25

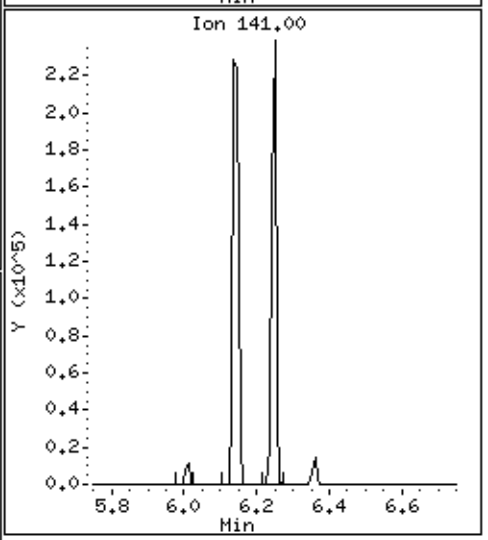
54 1-Methylnaphthalene

Concentration: 45.1 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

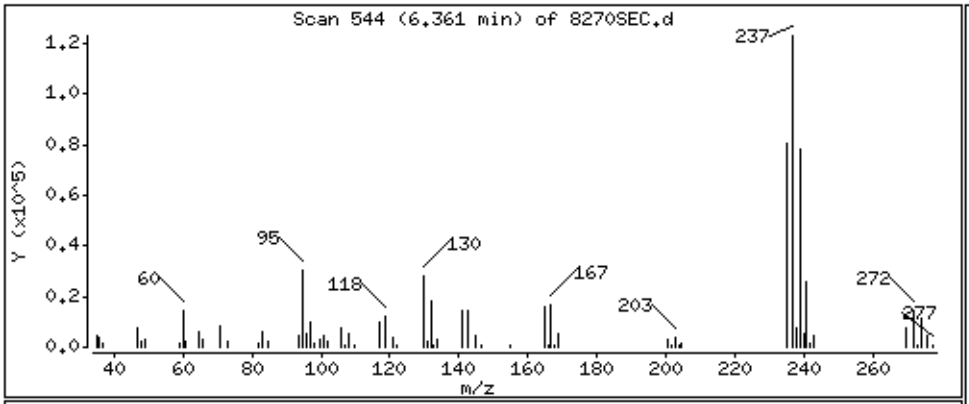
Operator: MJ

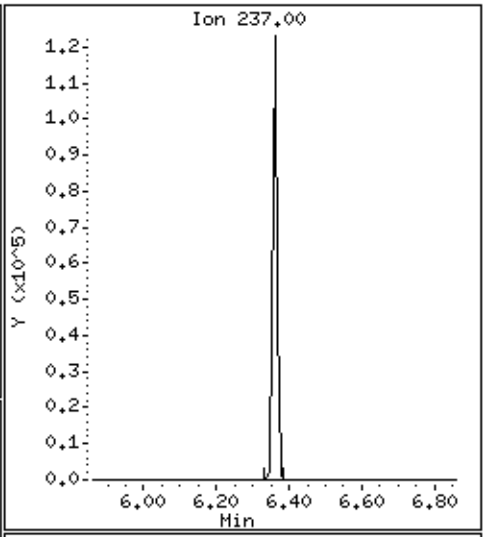
Column phase: HPMS-5

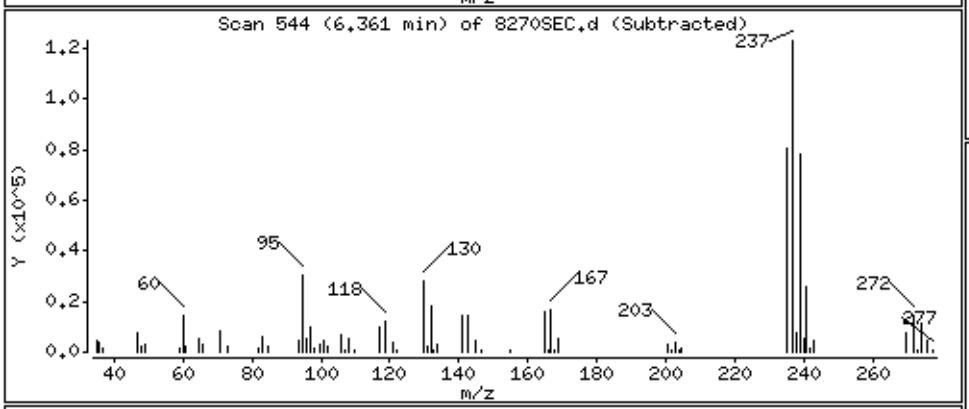
Column diameter: 0.25

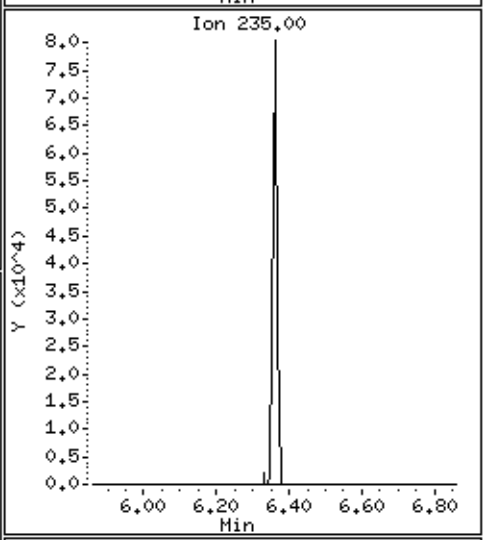
55 Hexachlorocyclopentadiene

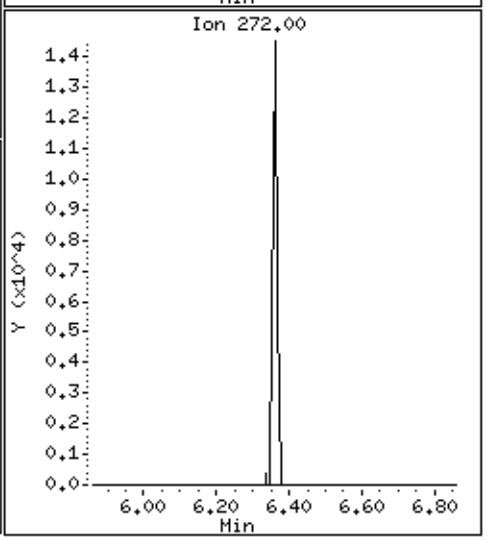
Concentration: 45.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

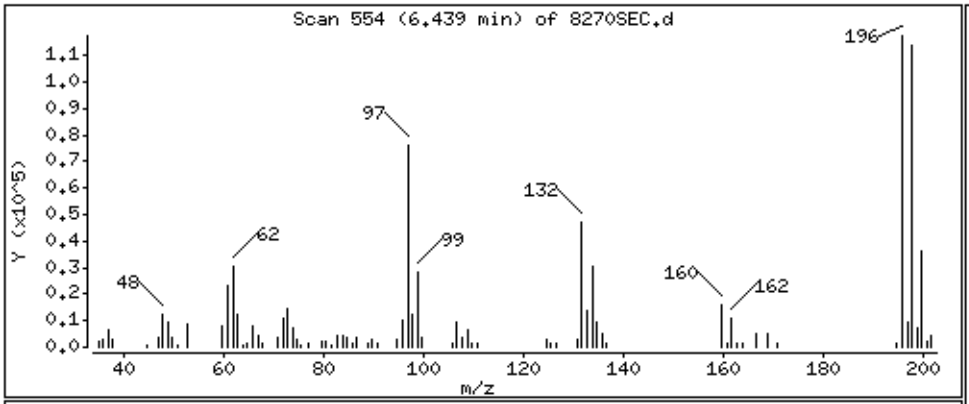
Operator: MJ

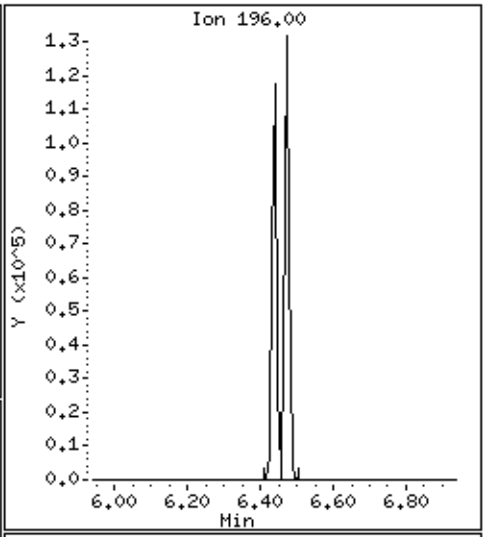
Column phase: HPMS-5

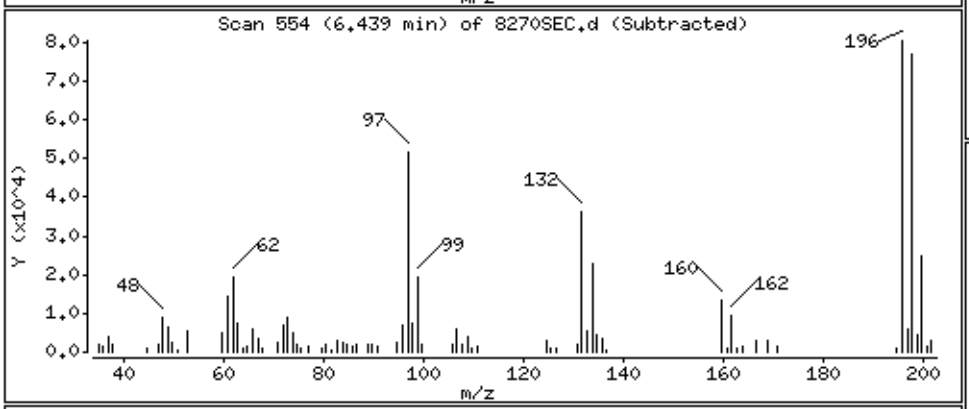
Column diameter: 0.25

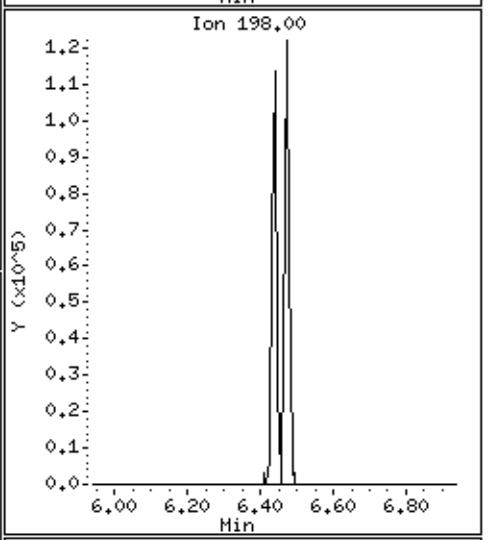
57 2,4,6-Trichlorophenol

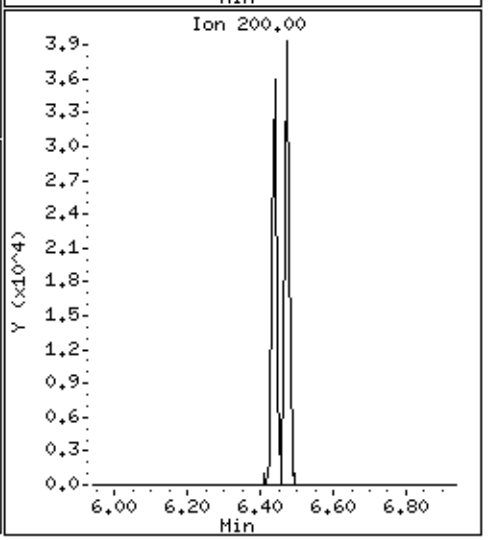
Concentration: 47.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

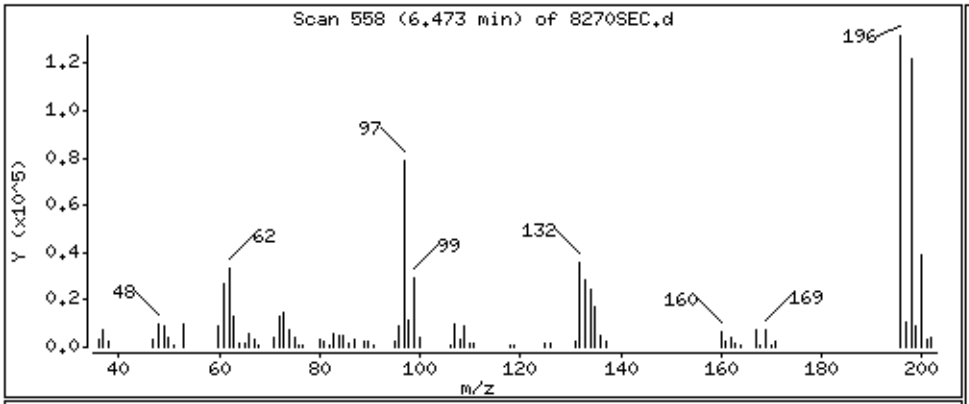
Operator: MJ

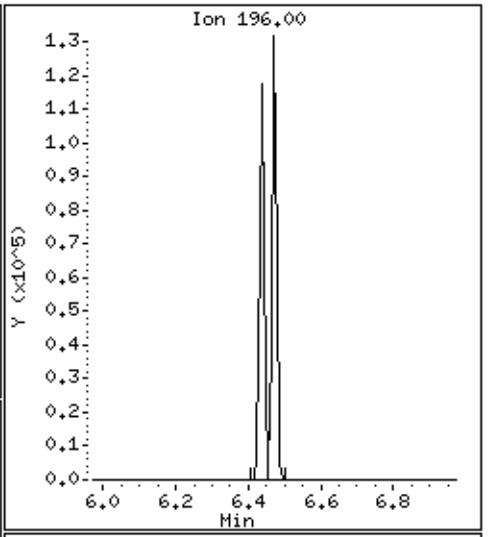
Column phase: HPMS-5

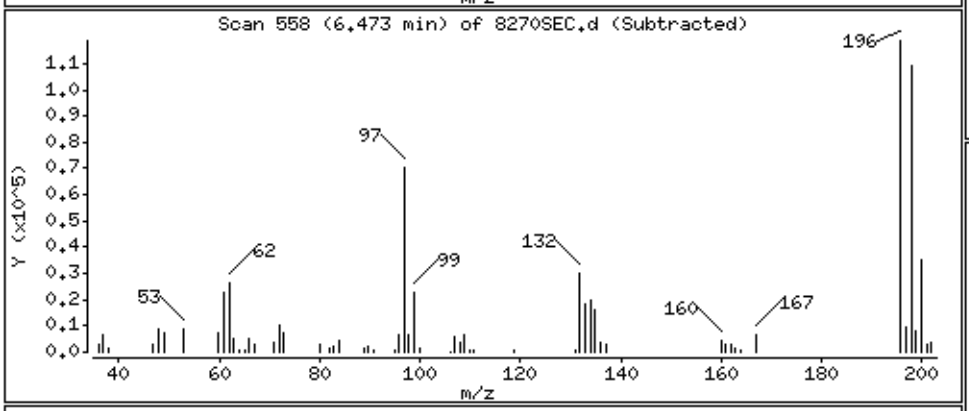
Column diameter: 0.25

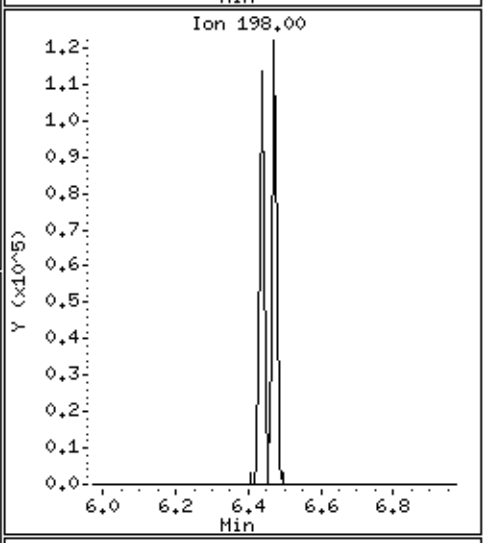
58 2,4,5-Trichlorophenol

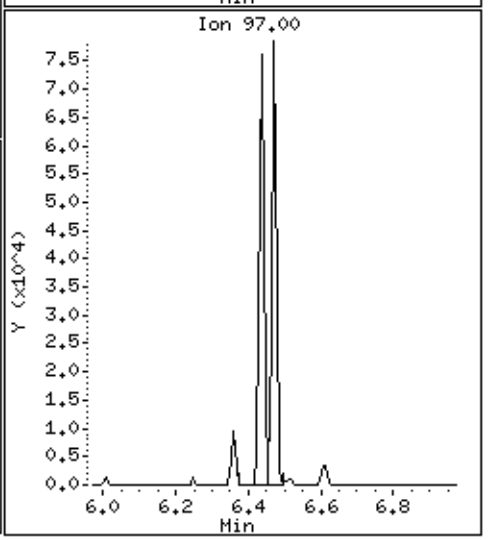
Concentration: 48.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

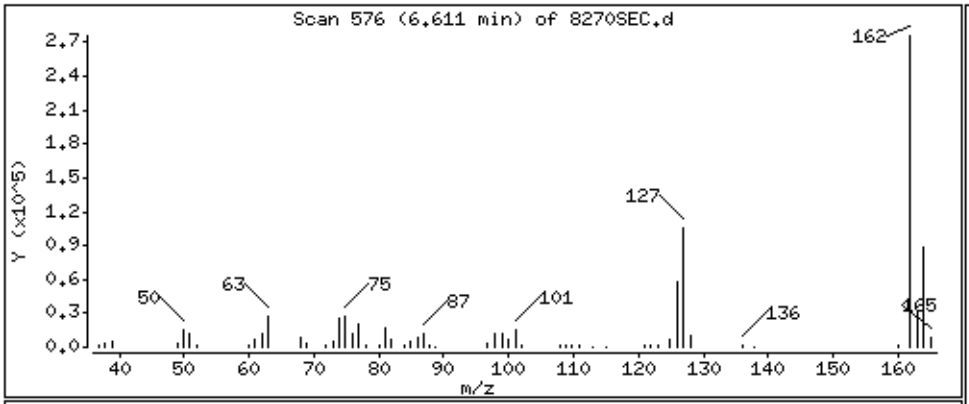
Operator: MJ

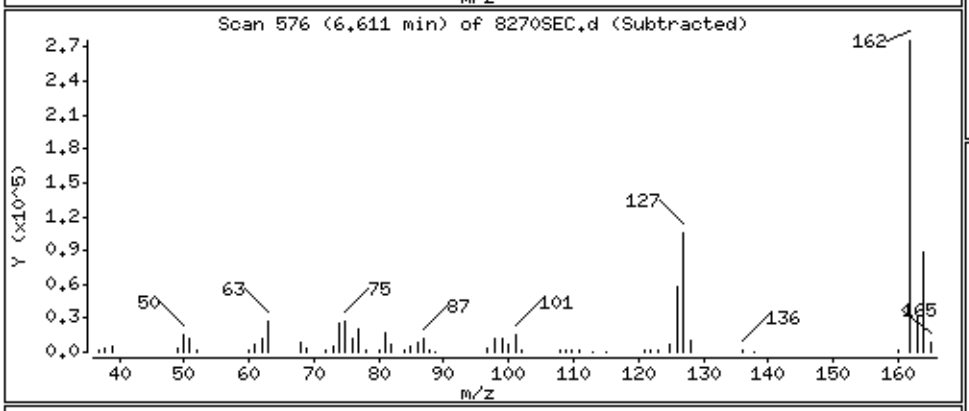
Column phase: HPMS-5

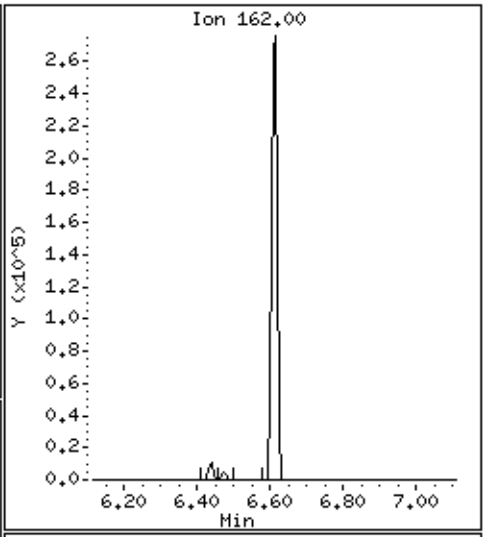
Column diameter: 0.25

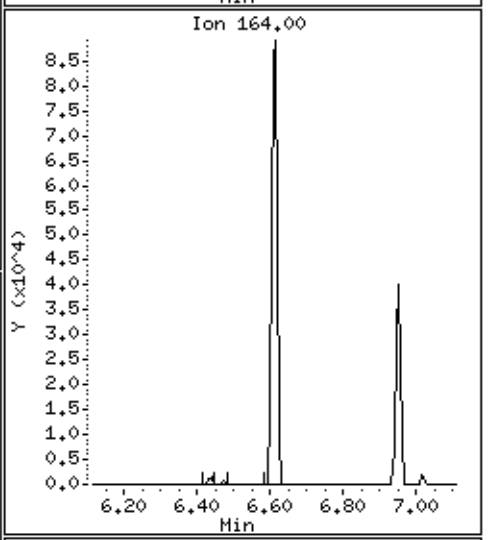
62 2-Chloronaphthalene

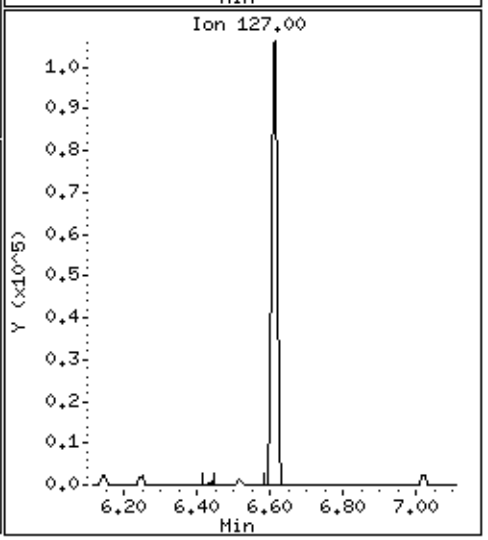
Concentration: 48.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

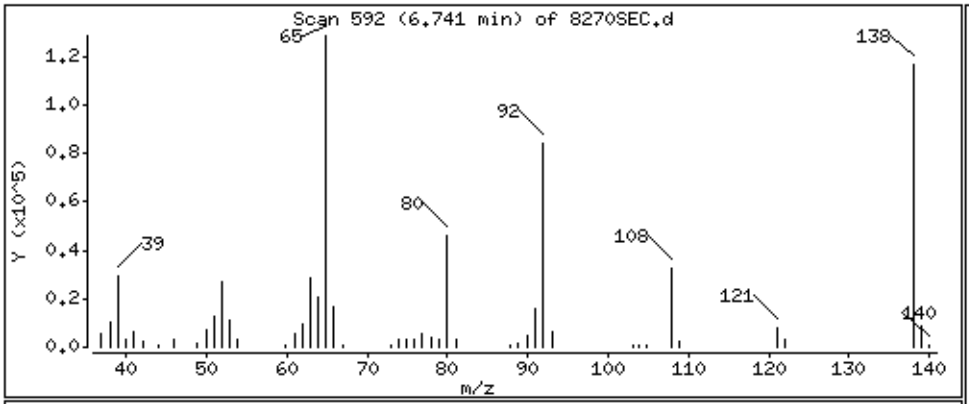
Operator: MJ

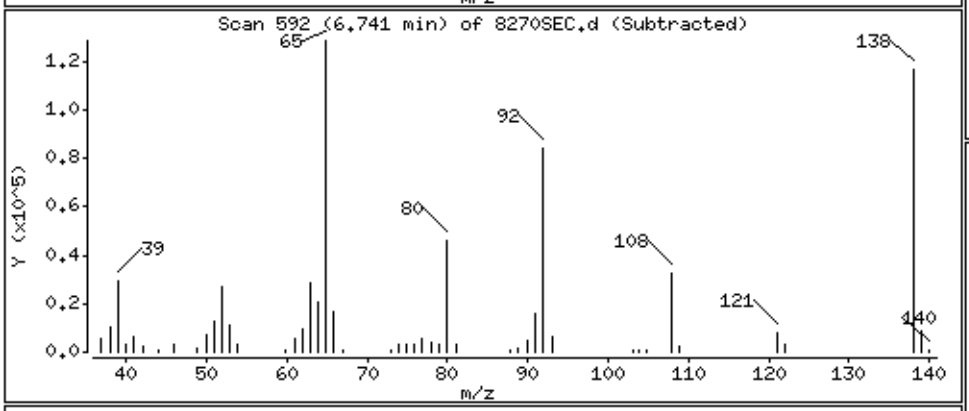
Column phase: HPMS-5

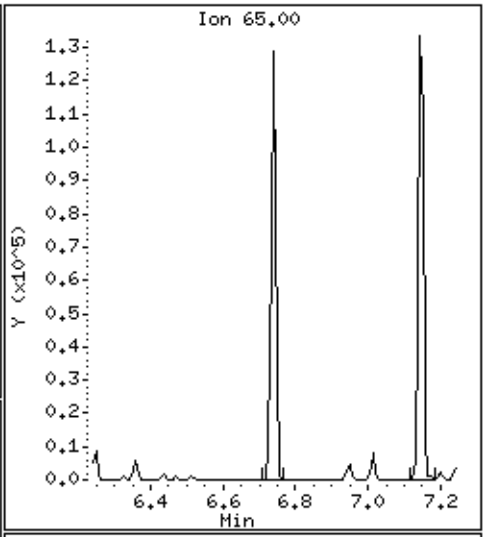
Column diameter: 0.25

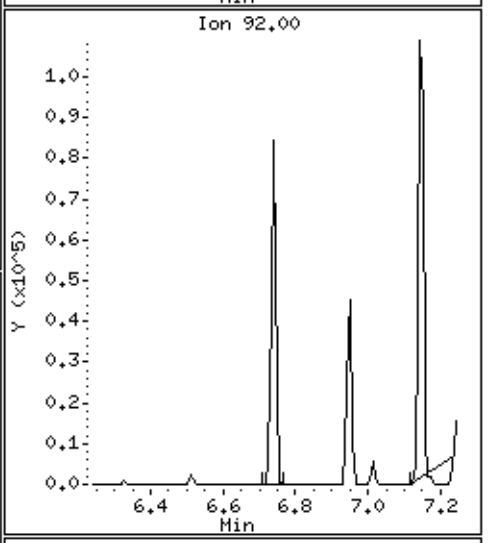
63 2-Nitroaniline

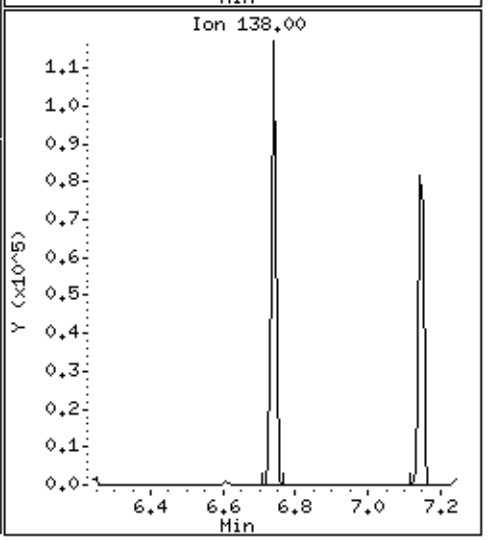
Concentration: 53.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

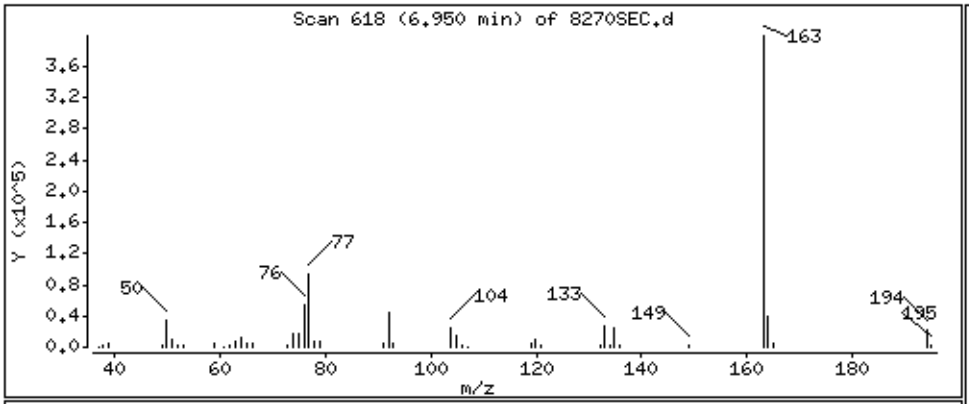
Operator: MJ

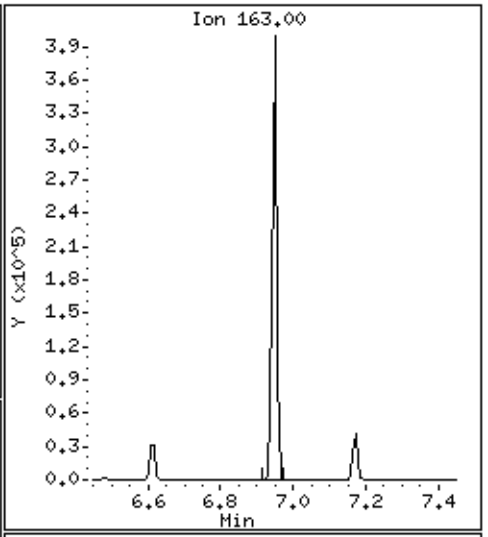
Column phase: HPMS-5

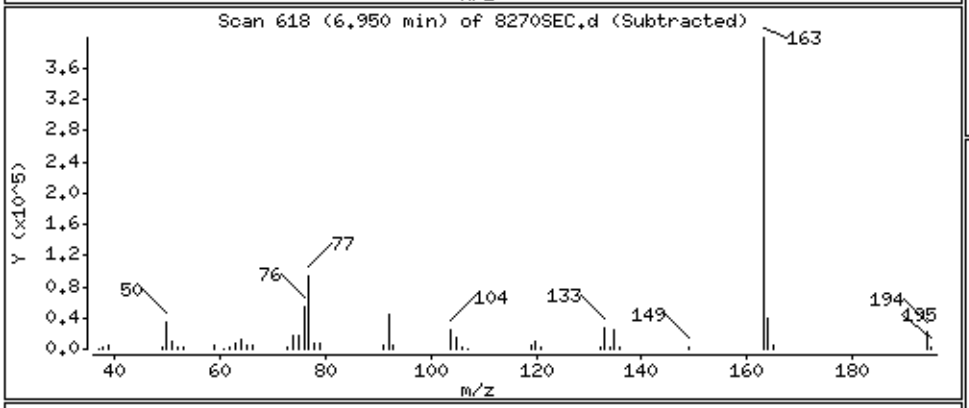
Column diameter: 0.25

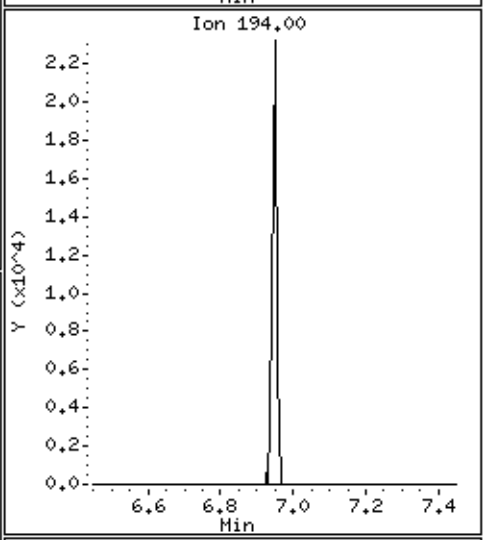
65 Dimethylphthalate

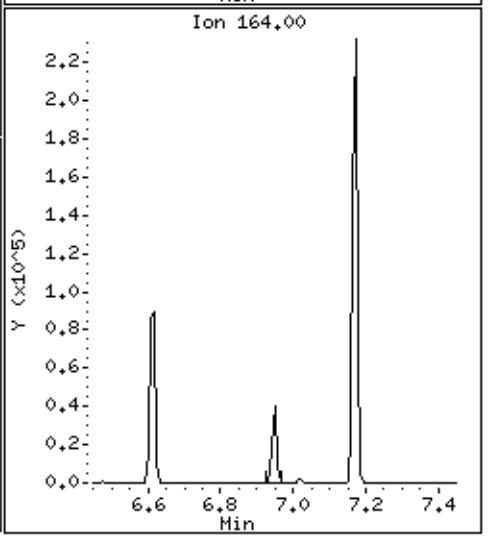
Concentration: 49.2 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

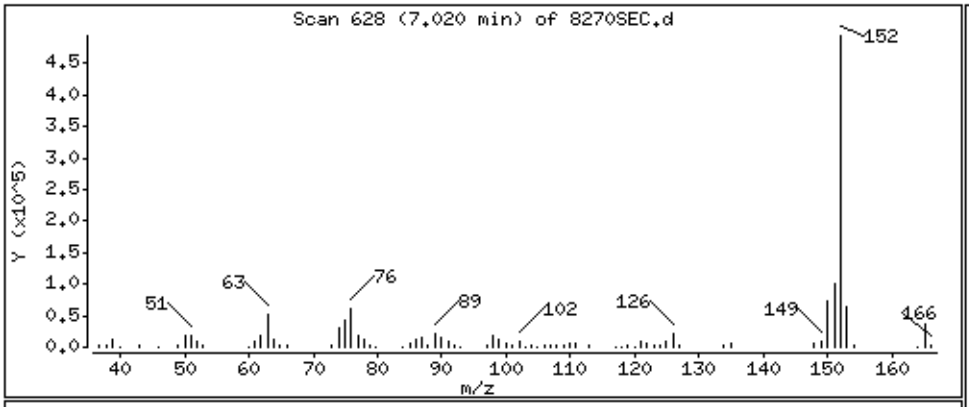
Operator: MJ

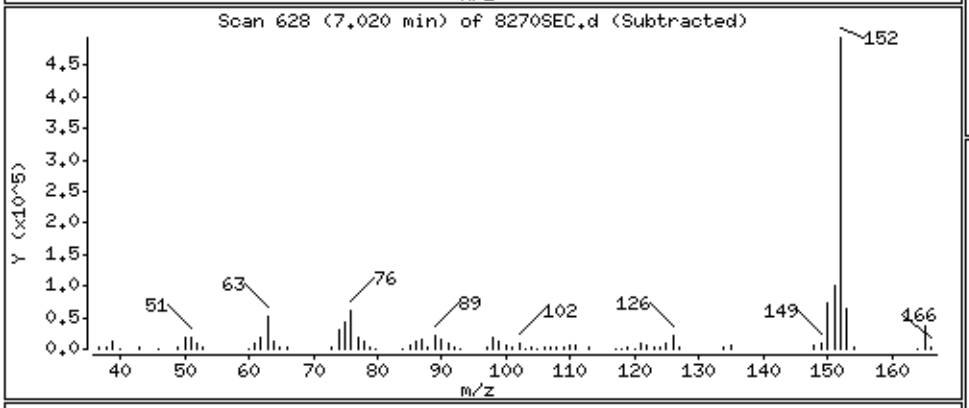
Column phase: HPMS-5

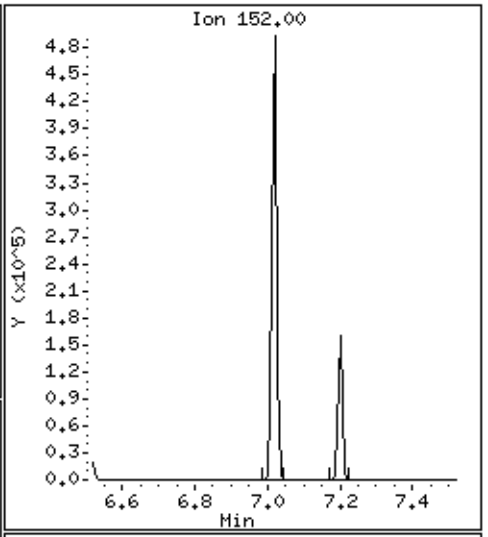
Column diameter: 0.25

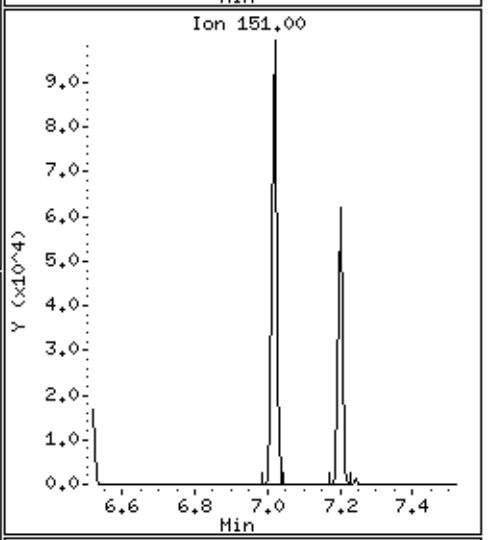
68 Acenaphthylene

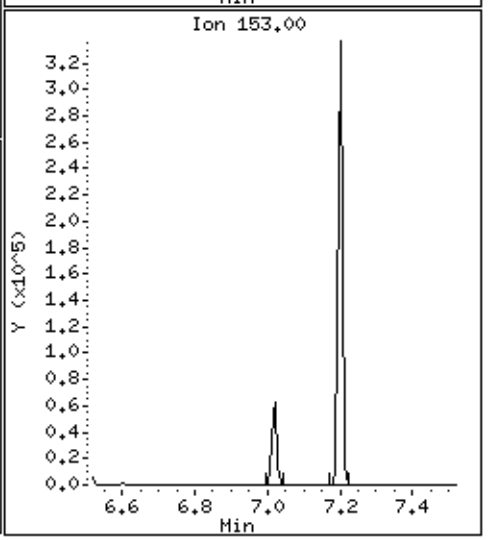
Concentration: 49.0 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

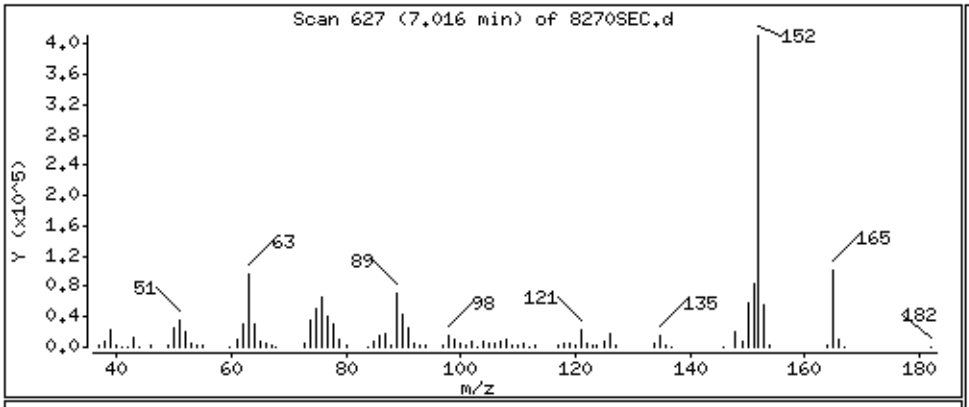
Operator: MJ

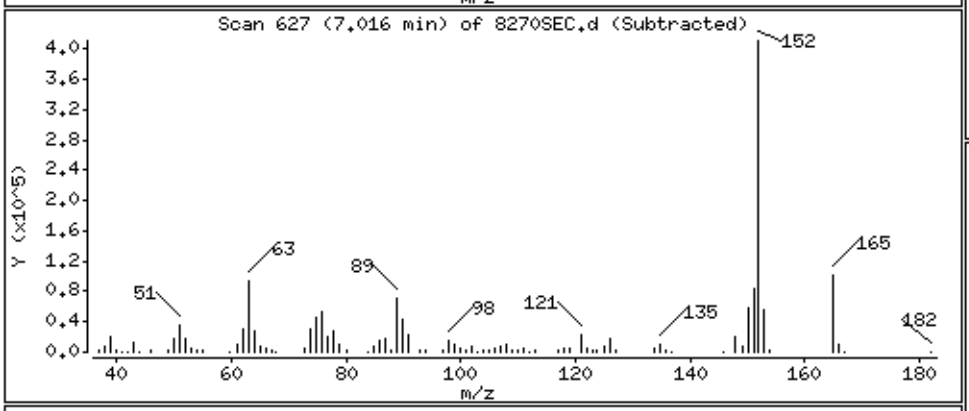
Column phase: HPMS-5

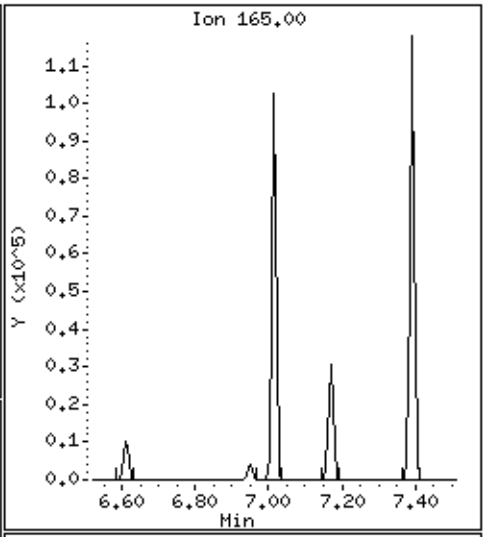
Column diameter: 0.25

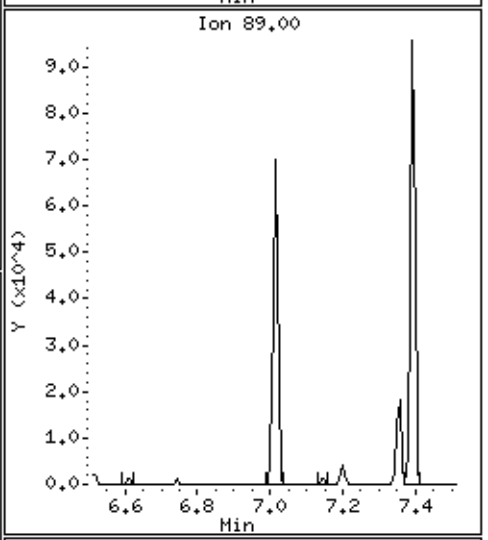
67 2,6-Dinitrotoluene

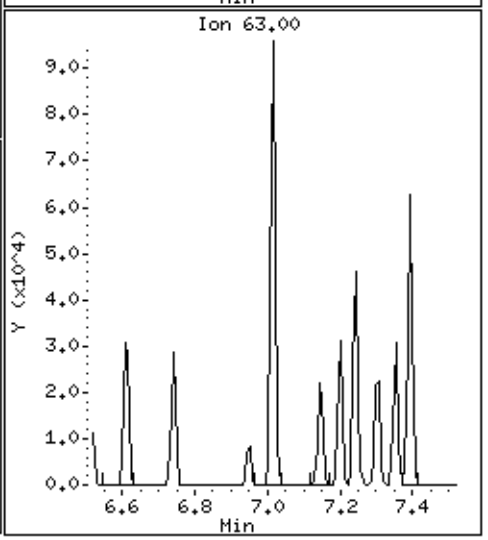
Concentration: 50.1 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

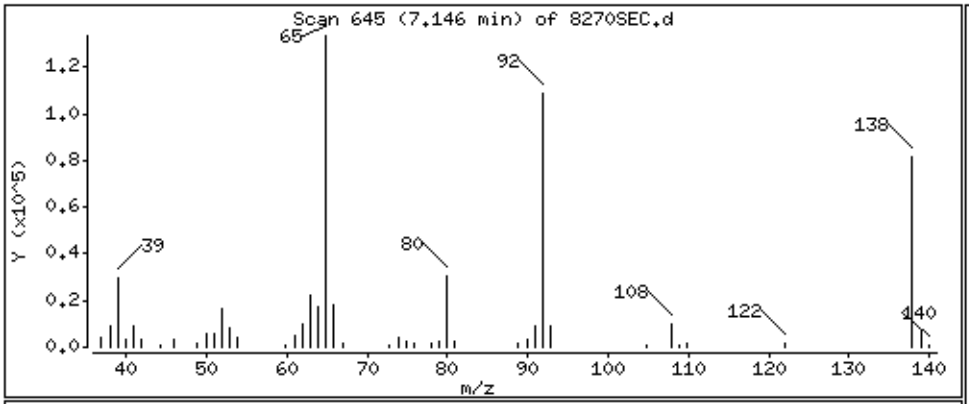
Operator: MJ

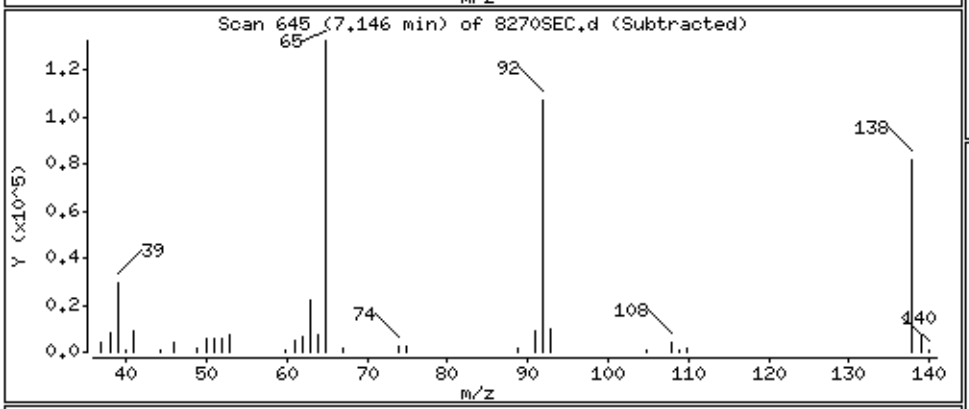
Column phase: HPMS-5

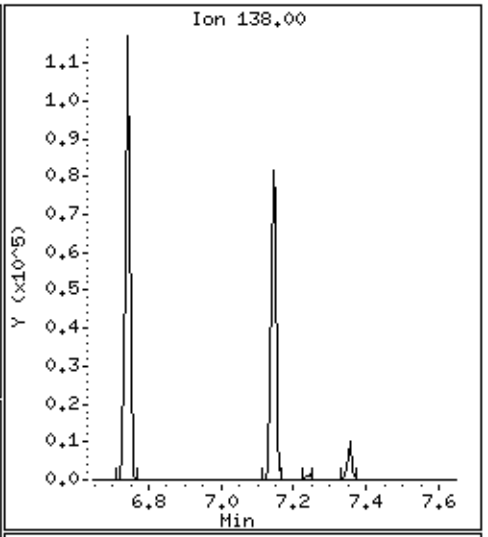
Column diameter: 0.25

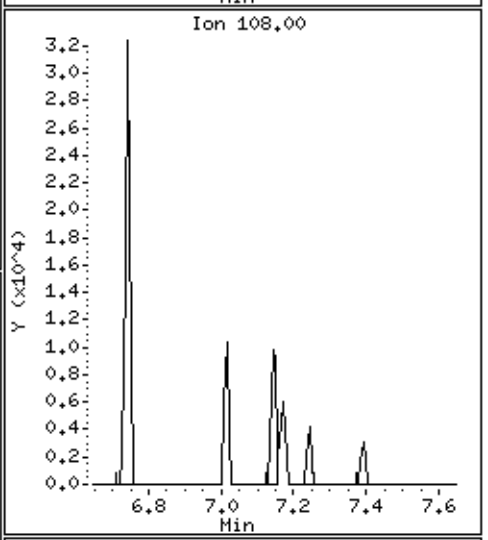
69 3-Nitroaniline

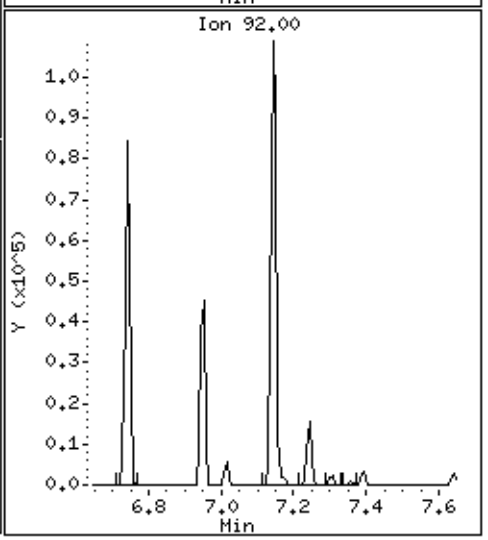
Concentration: 52.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

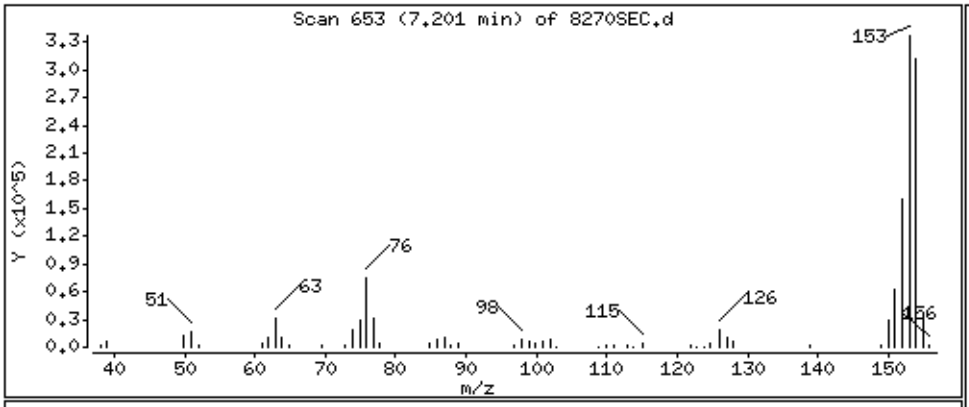
Operator: MJ

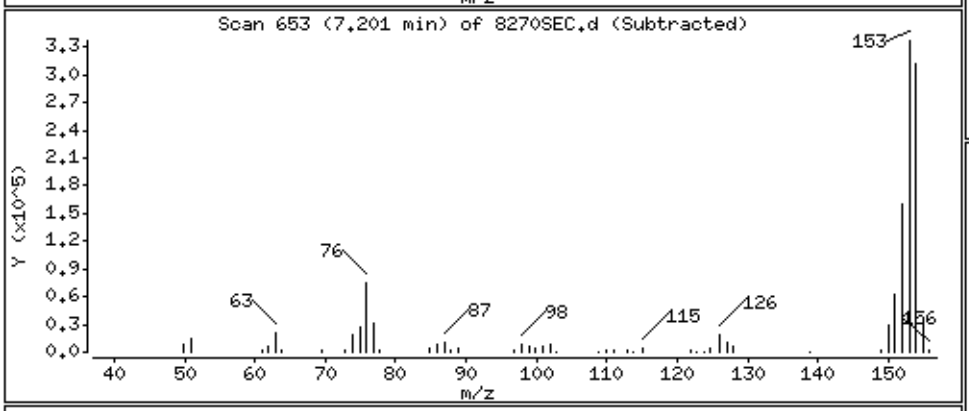
Column phase: HPMS-5

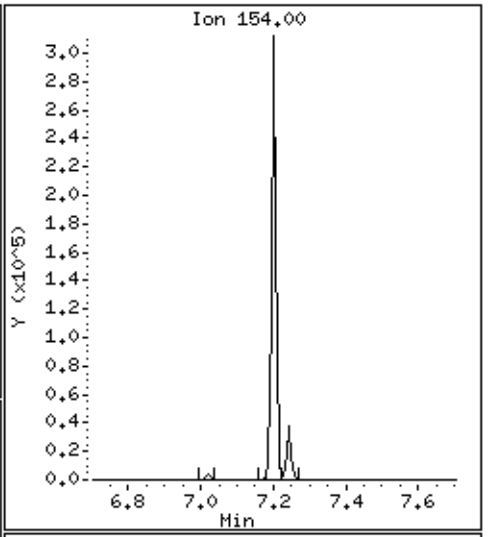
Column diameter: 0.25

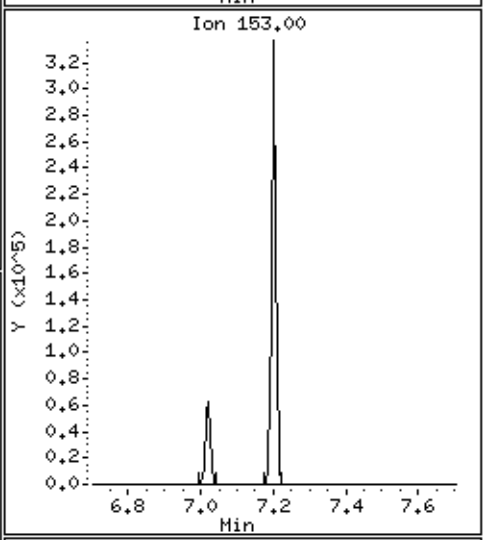
71 Acenaphthene

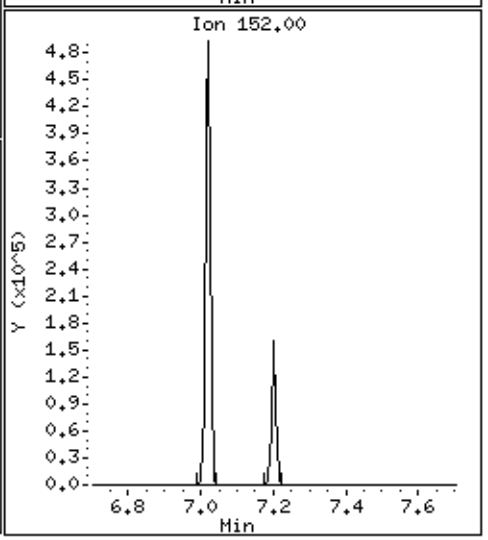
Concentration: 47.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

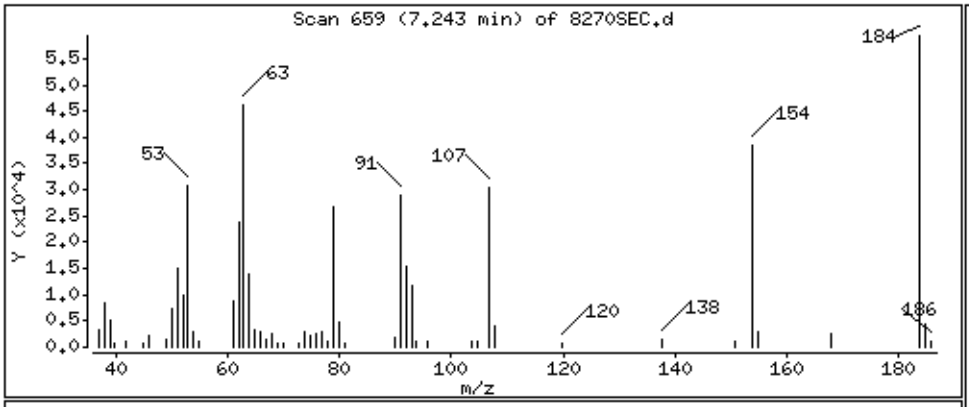
Operator: MJ

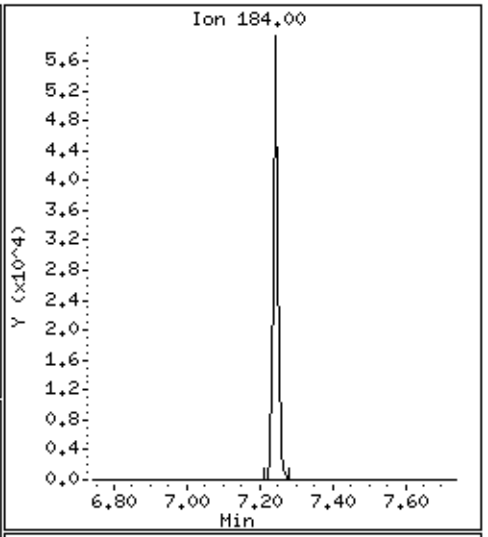
Column phase: HPMS-5

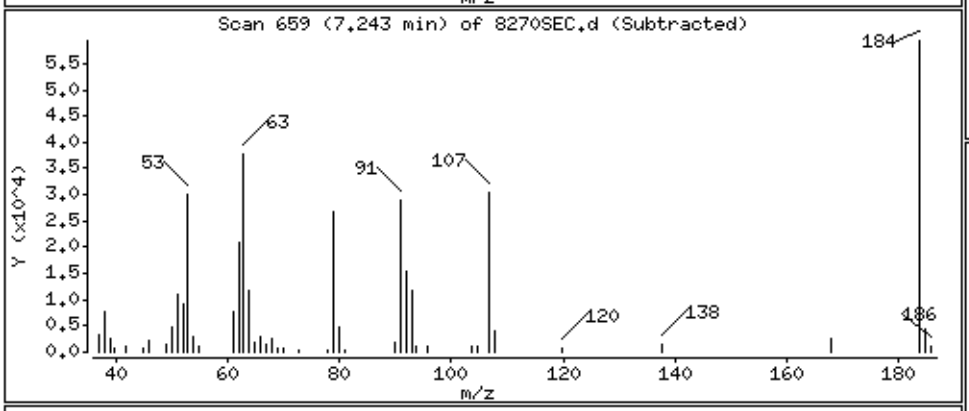
Column diameter: 0.25

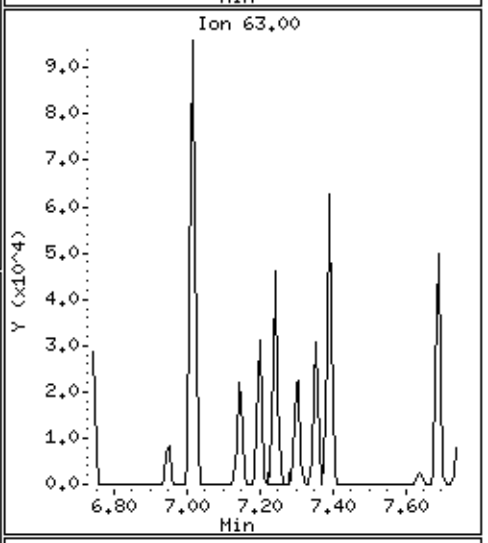
72 2,4-Dinitrophenol

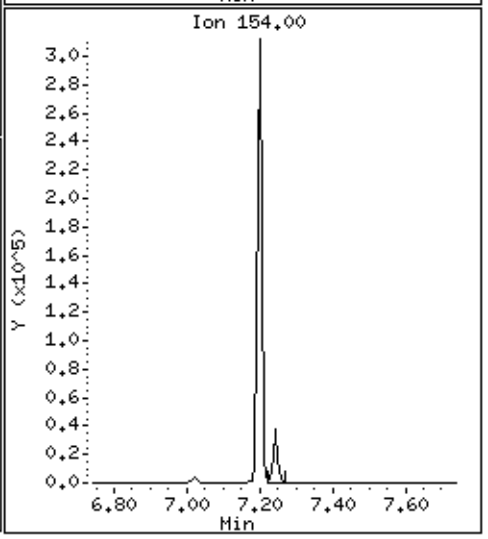
Concentration: 52.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

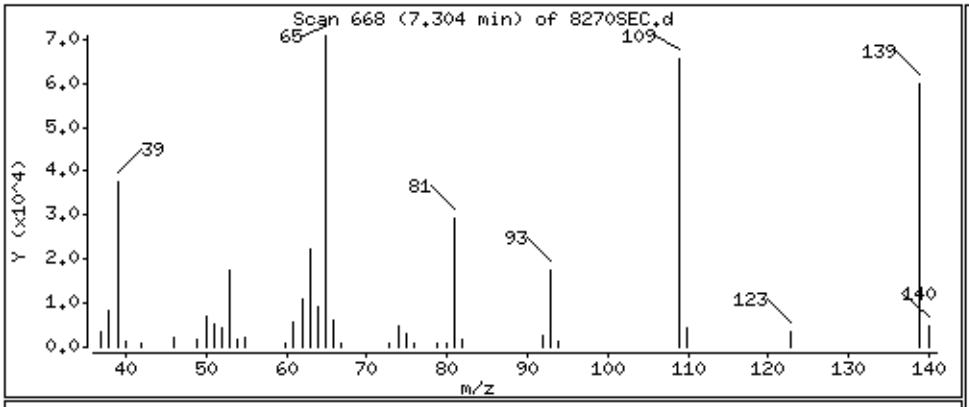
Operator: MJ

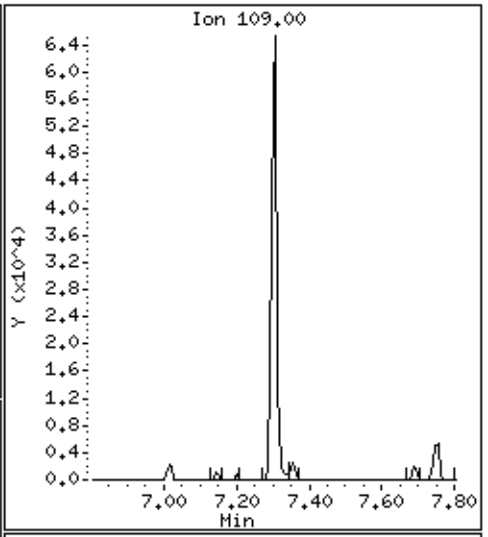
Column phase: HPMS-5

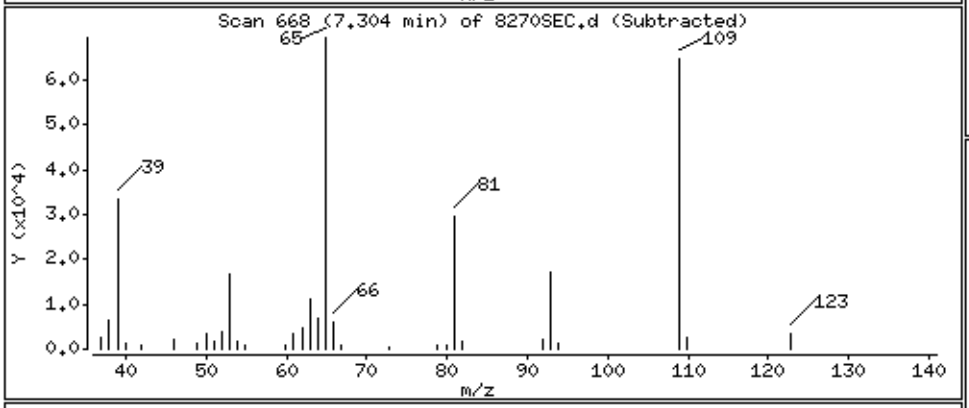
Column diameter: 0.25

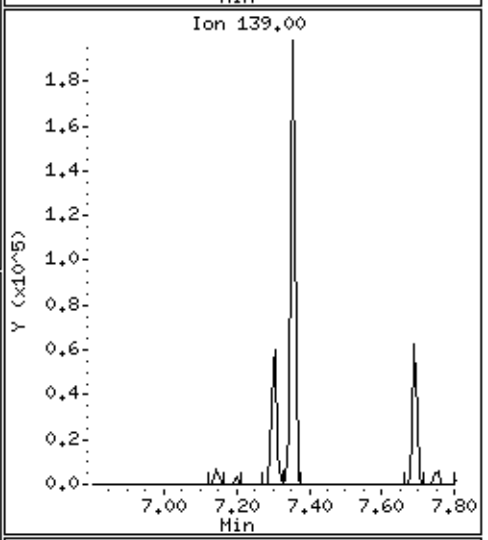
74 4-Nitrophenol

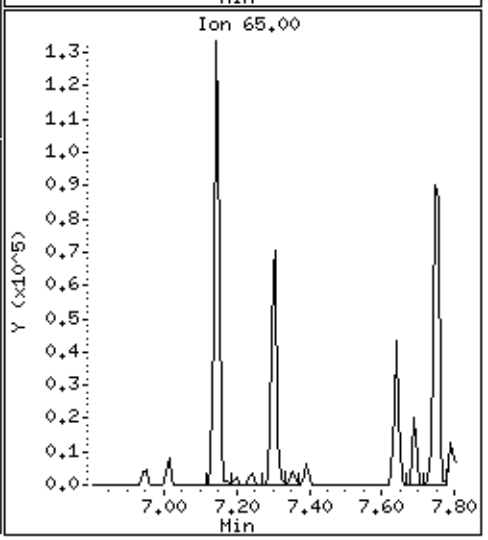
Concentration: 50.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

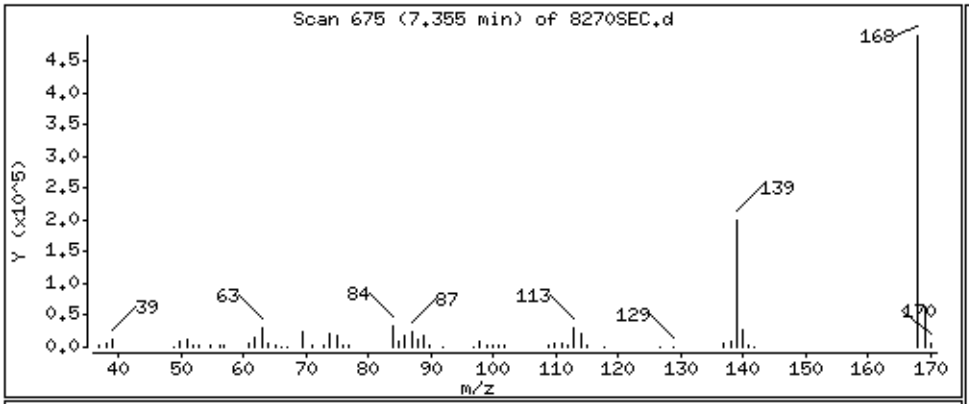
Operator: MJ

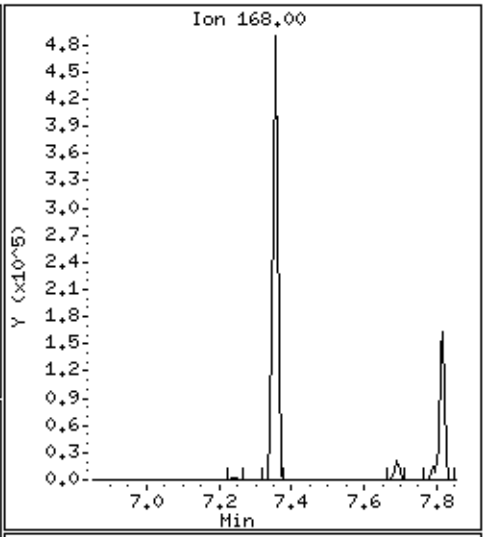
Column phase: HPMS-5

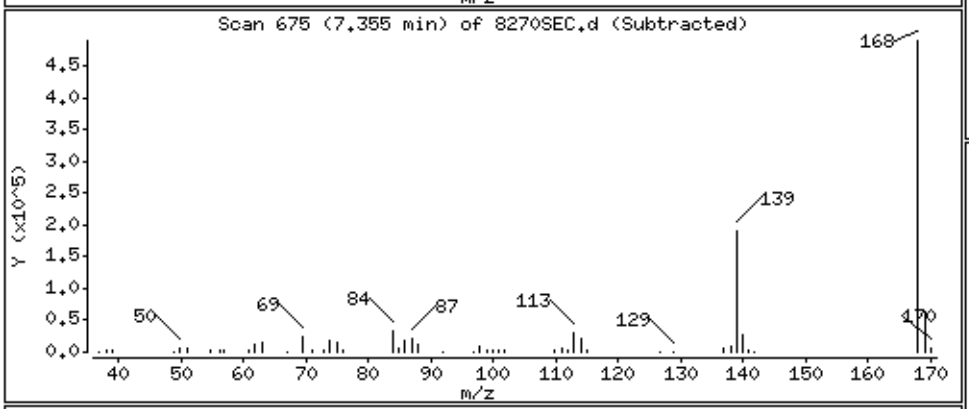
Column diameter: 0.25

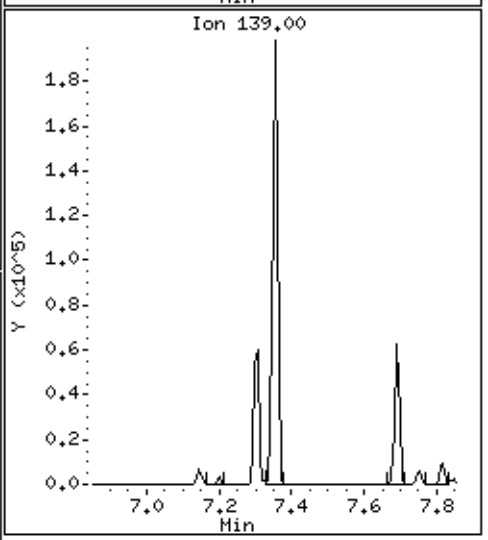
75 Dibenzofuran

Concentration: 49.7 ug/kg









Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

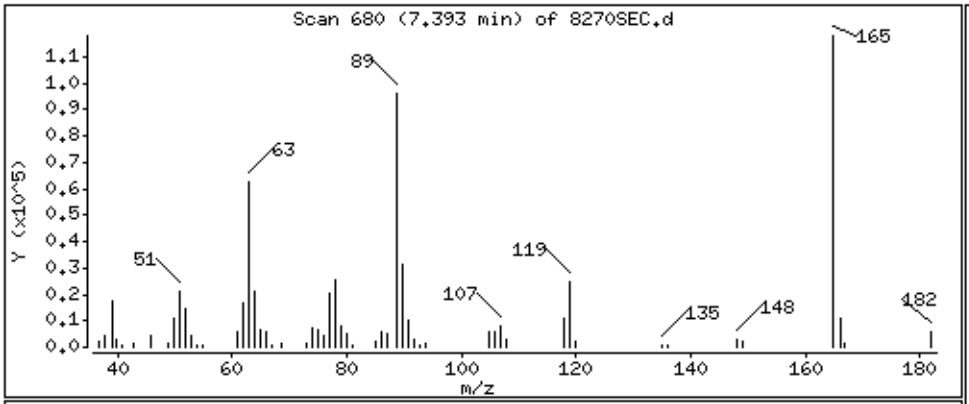
Operator: MJ

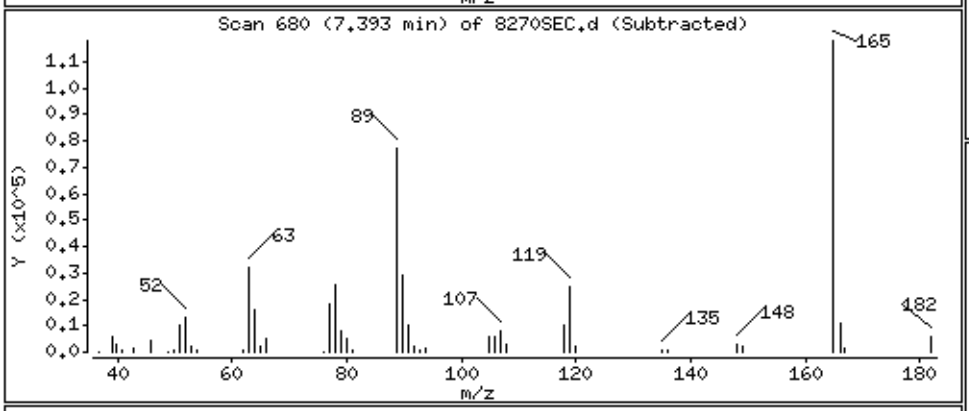
Column phase: HPMS-5

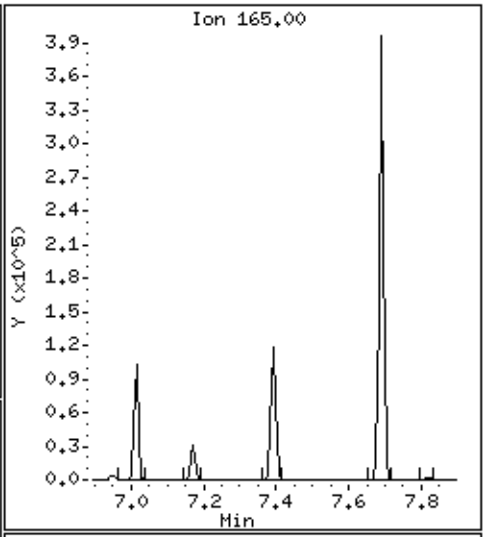
Column diameter: 0.25

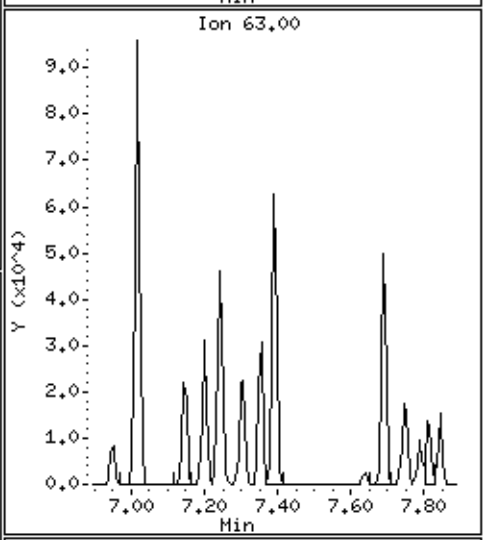
76 2,4-Dinitrotoluene

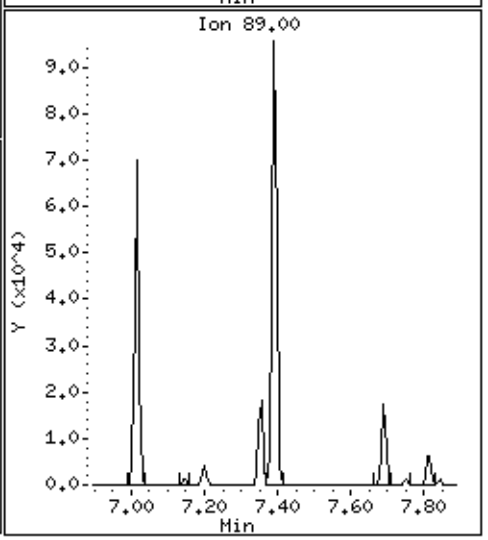
Concentration: 49.8 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

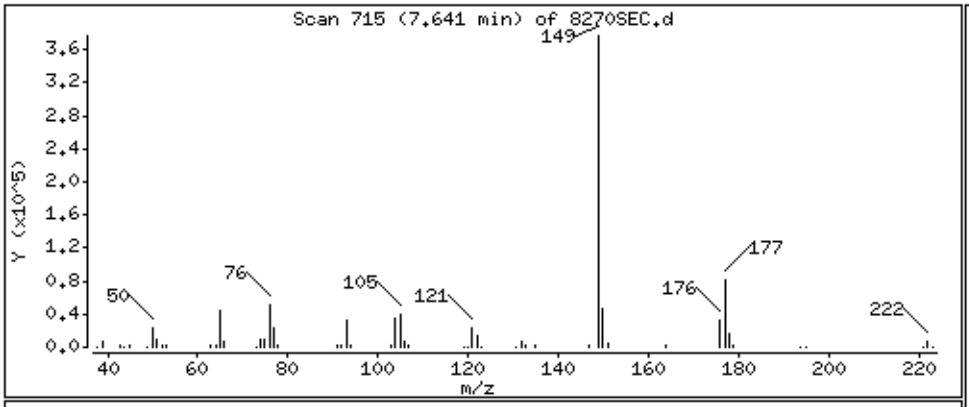
Operator: MJ

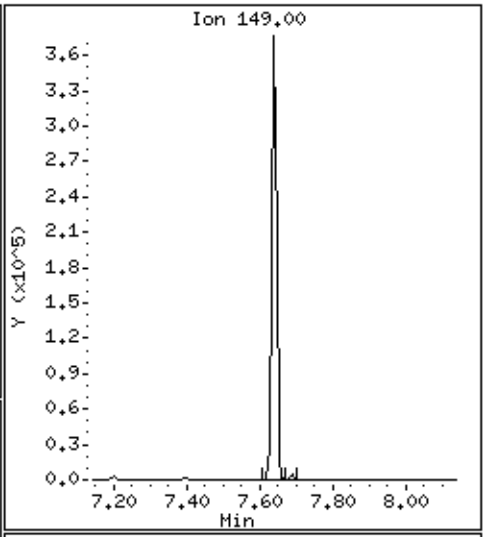
Column phase: HPMS-5

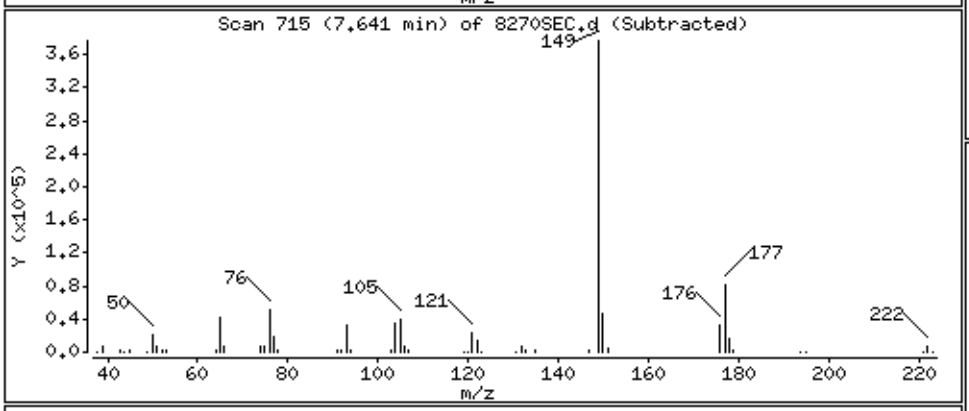
Column diameter: 0.25

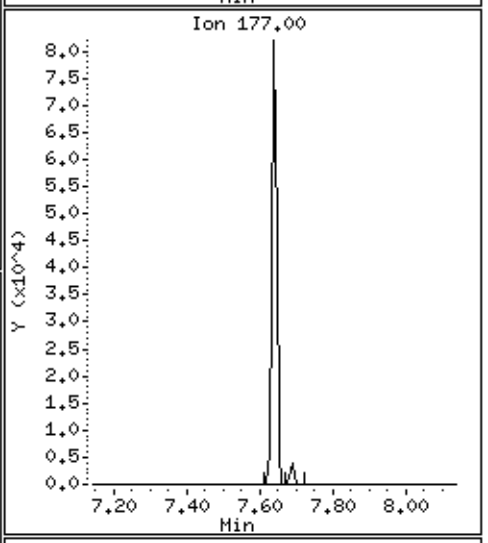
80 Diethylphthalate

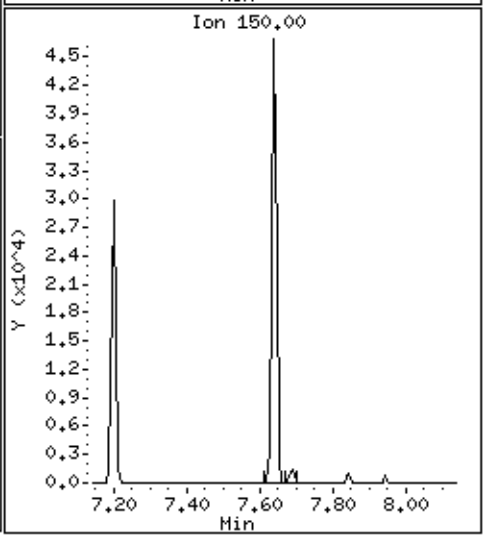
Concentration: 48.1 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

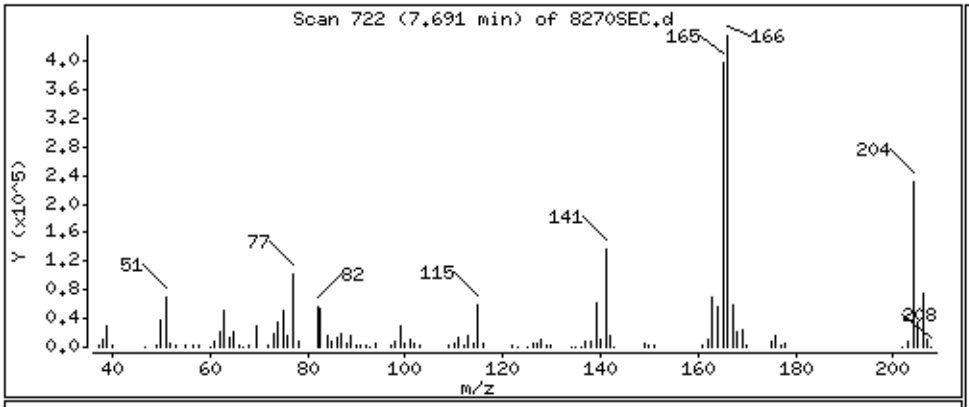
Operator: MJ

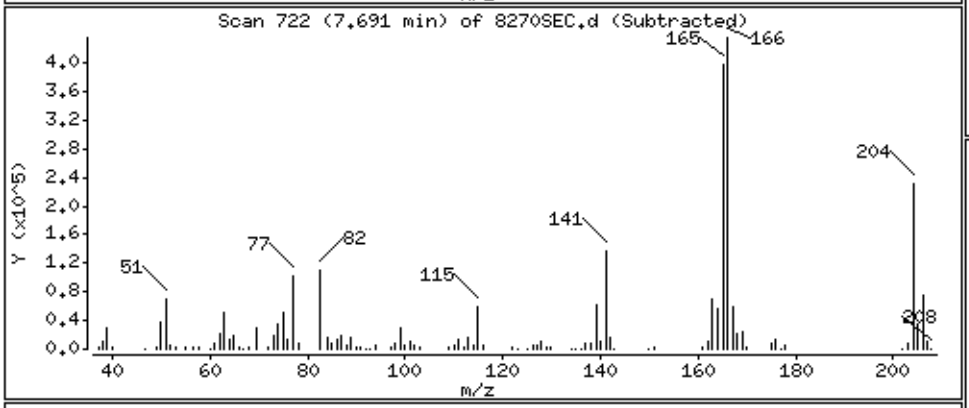
Column phase: HPMS-5

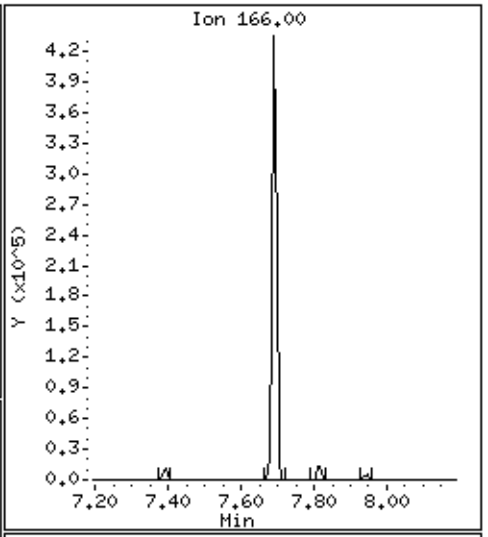
Column diameter: 0.25

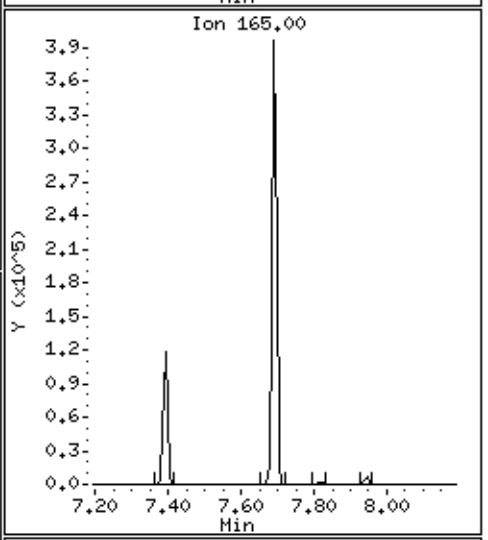
81 Fluorene

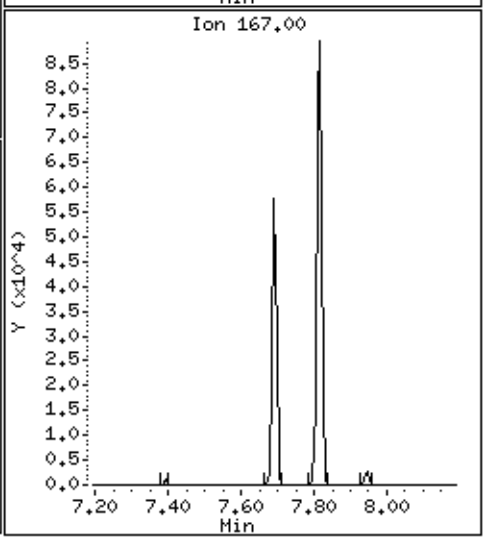
Concentration: 49.2 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

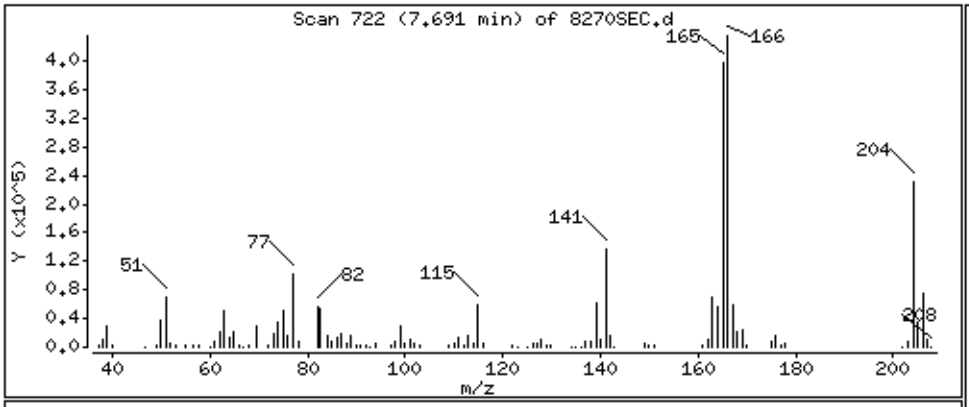
Operator: MJ

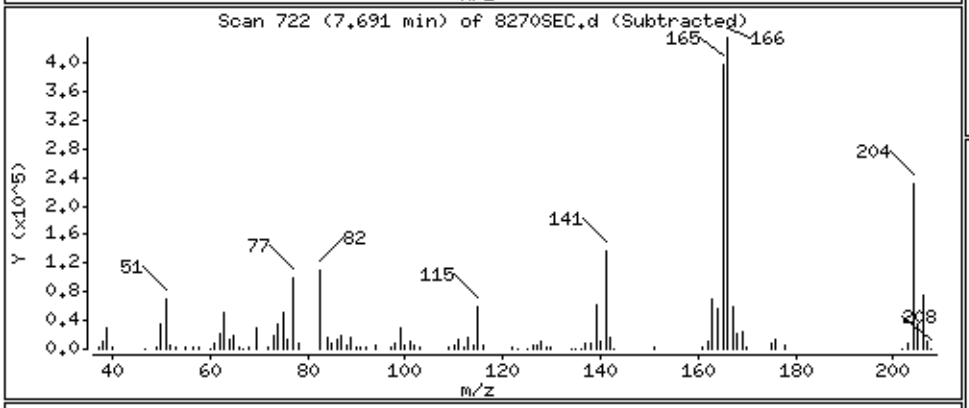
Column phase: HPMS-5

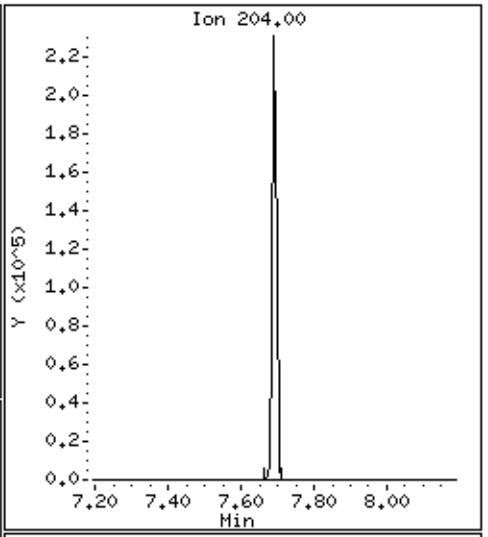
Column diameter: 0.25

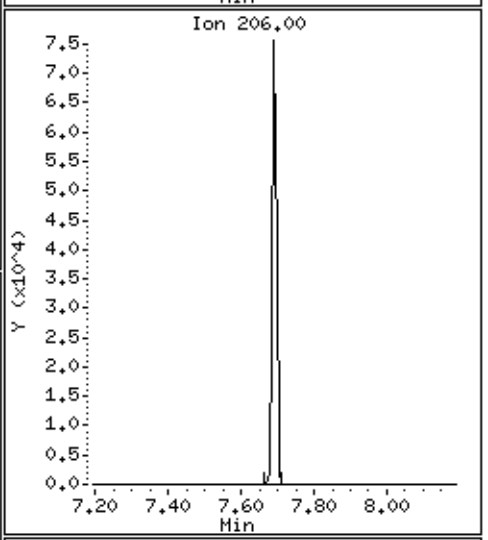
82 4-Chlorophenyl-phenylether

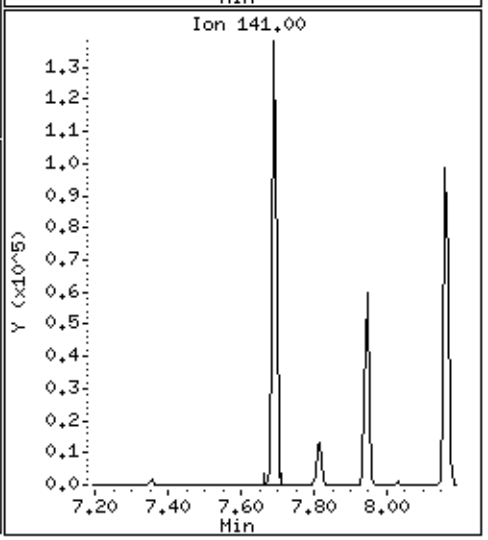
Concentration: 47.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

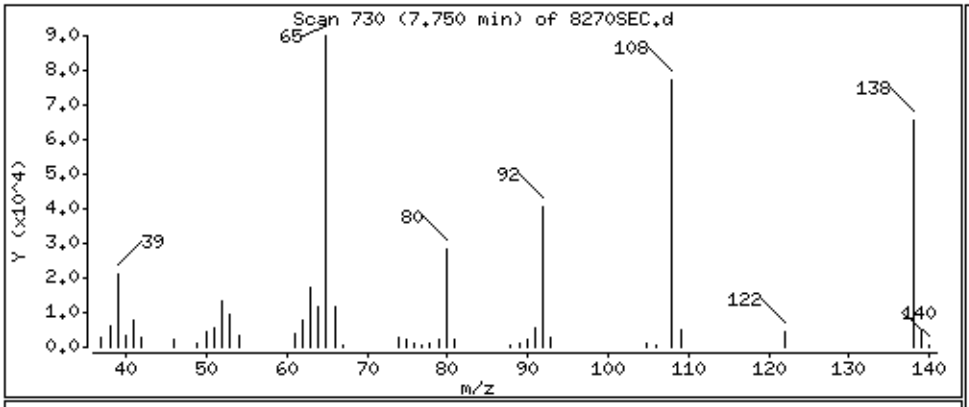
Operator: MJ

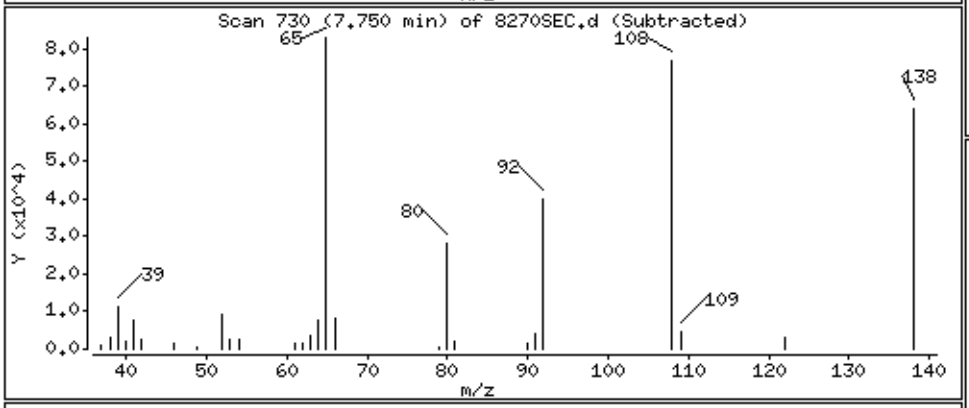
Column phase: HPMS-5

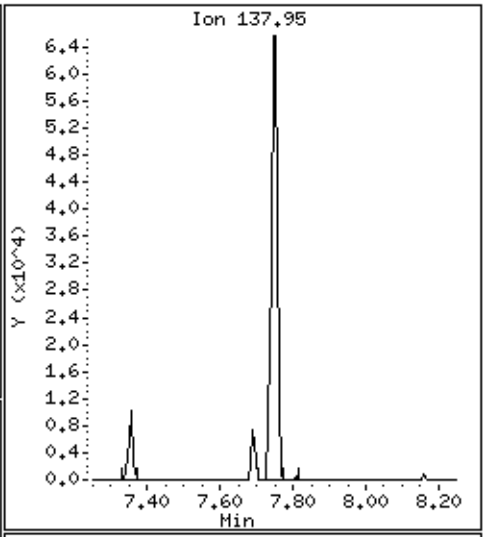
Column diameter: 0.25

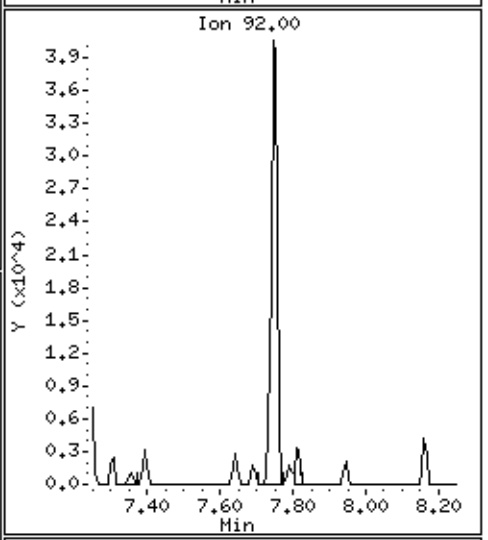
84 4-Nitroaniline

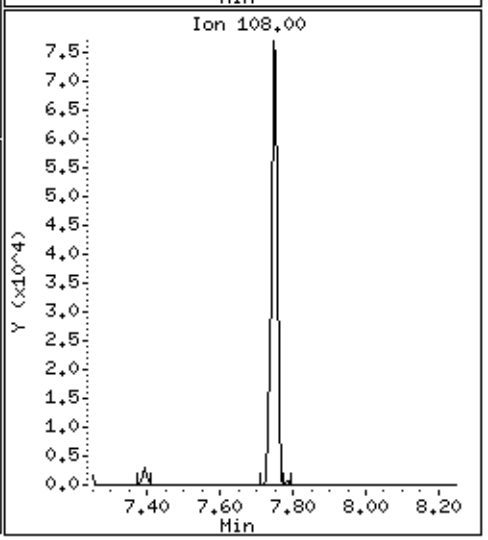
Concentration: 54.6 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

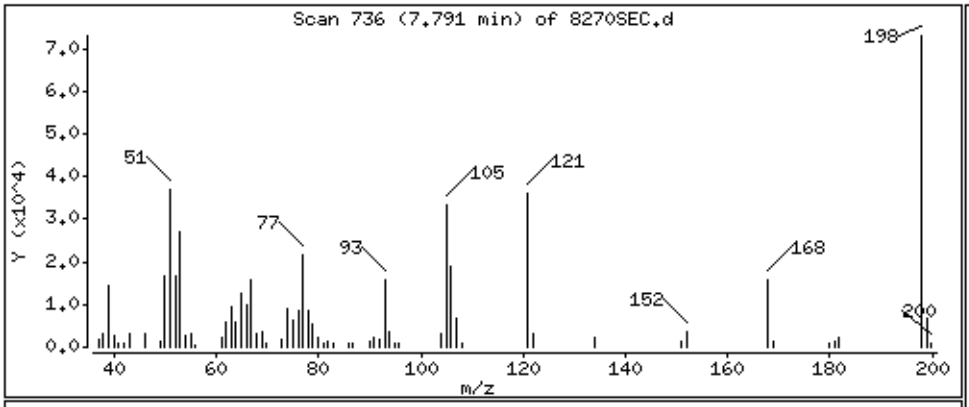
Operator: MJ

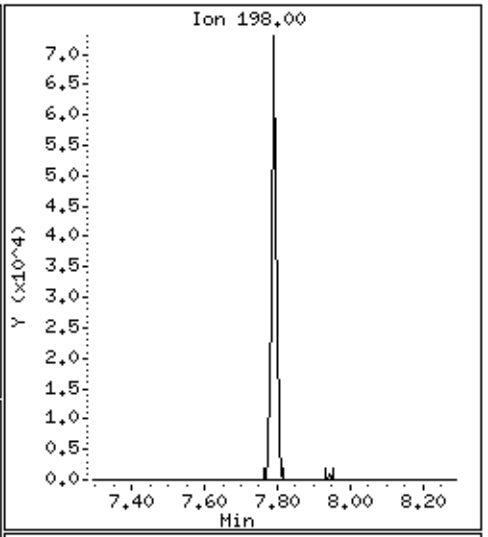
Column phase: HPMS-5

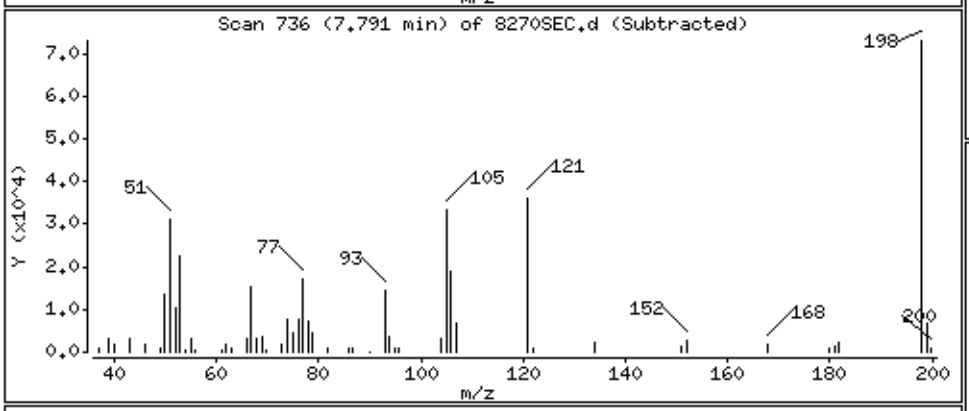
Column diameter: 0.25

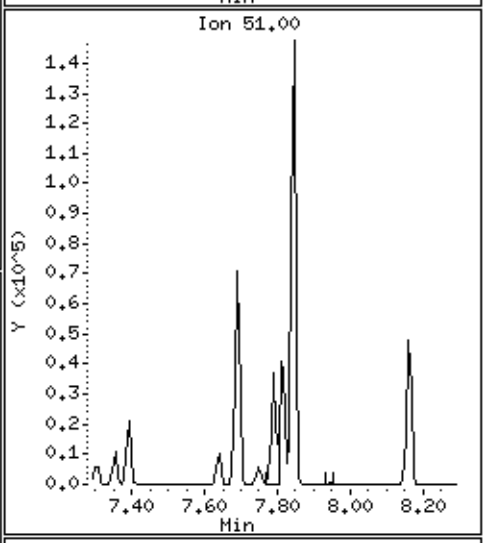
85 4,6-Dinitro-2-methylphenol

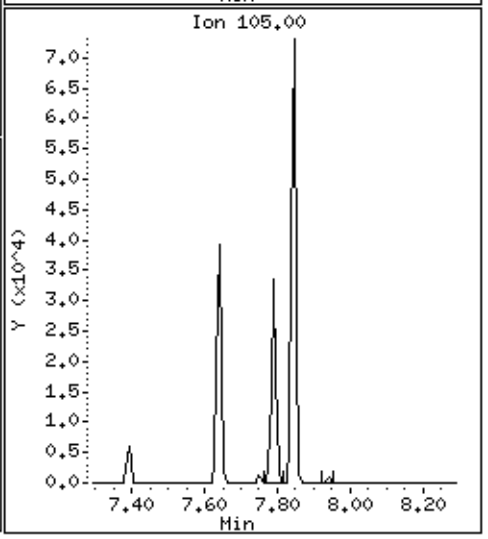
Concentration: 48.4 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

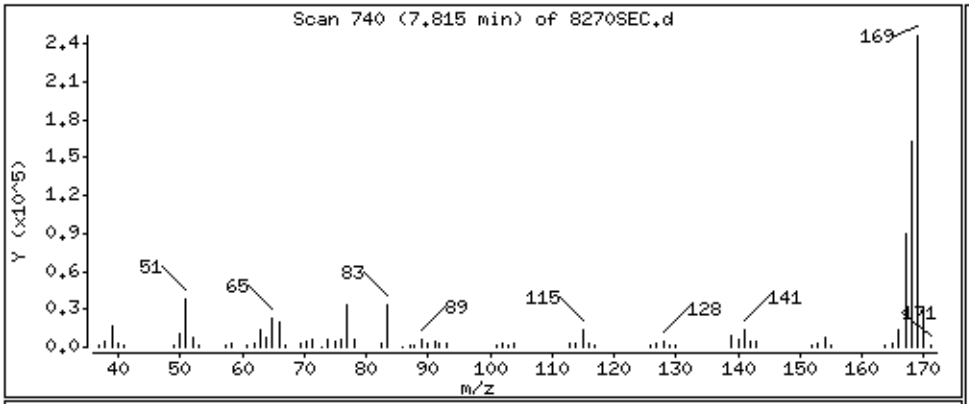
Operator: MJ

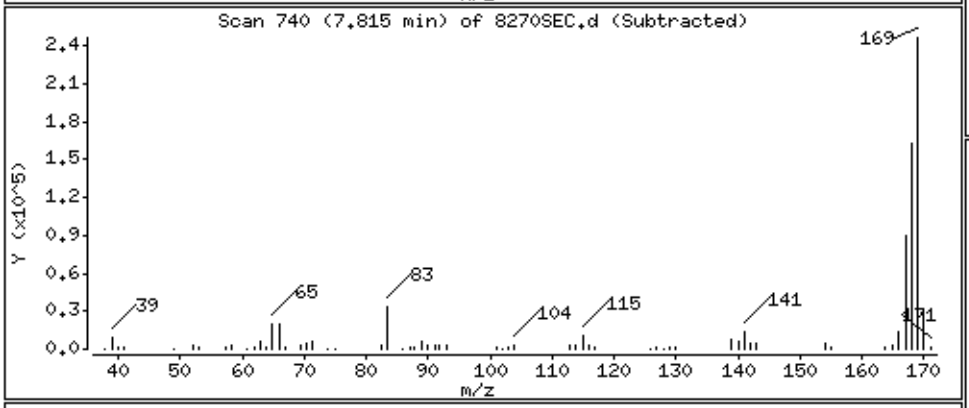
Column phase: HPMS-5

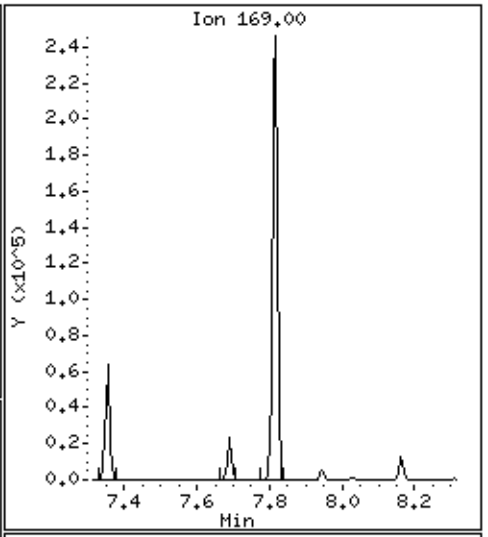
Column diameter: 0.25

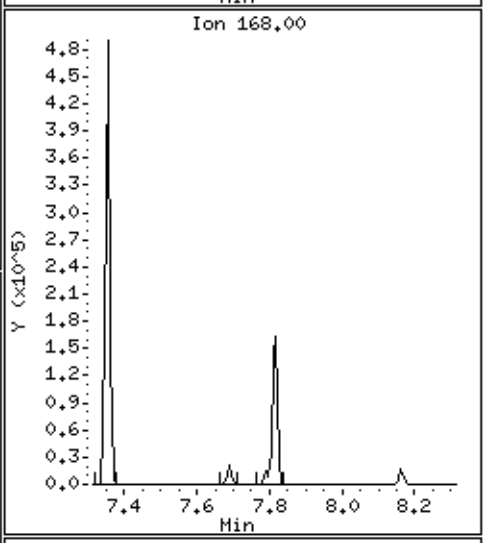
86 N-Nitrosodiphenylamine

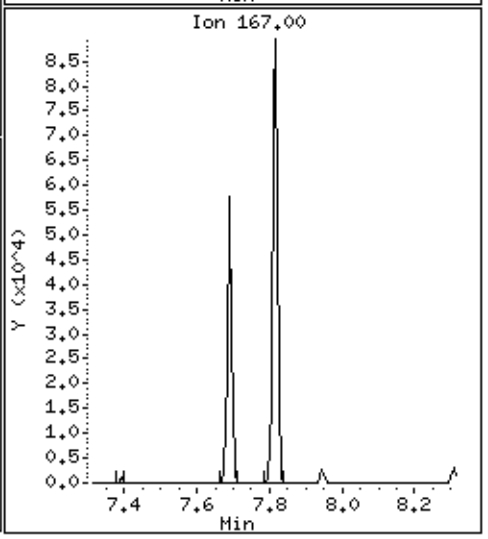
Concentration: 50.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

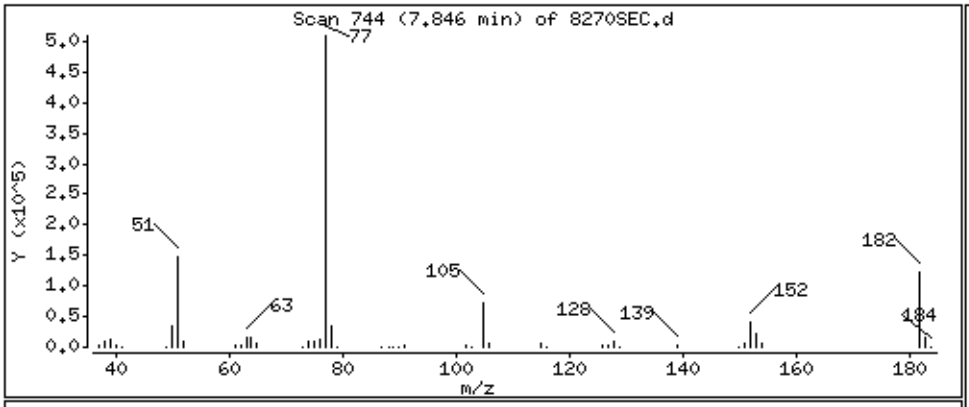
Operator: MJ

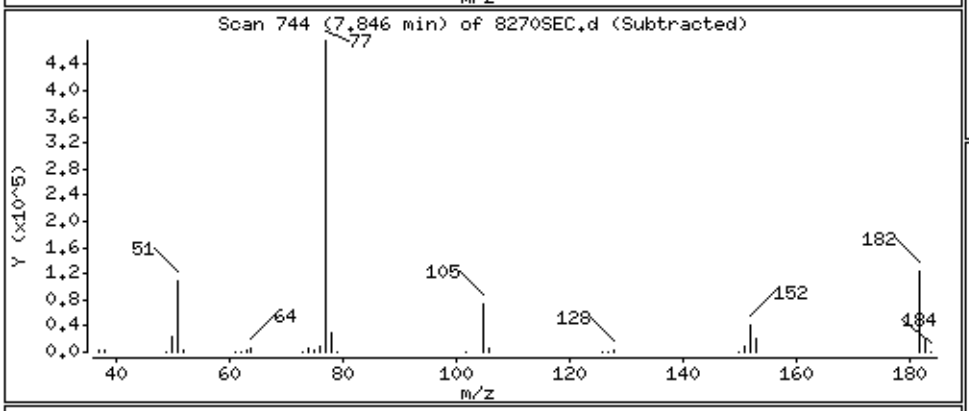
Column phase: HPMS-5

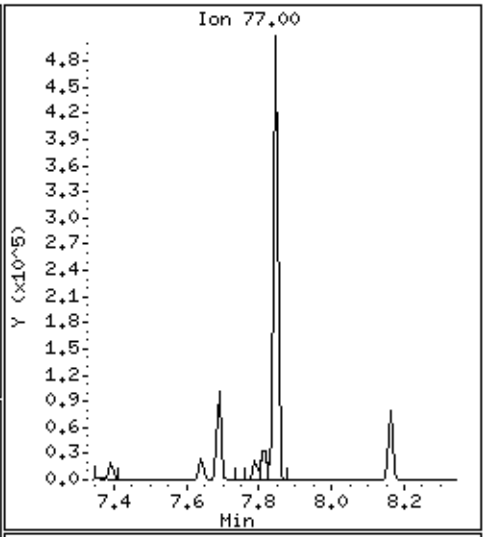
Column diameter: 0.25

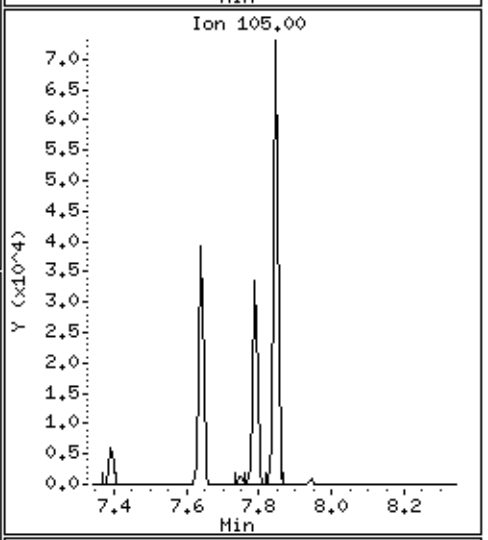
87 1,2-Diphenylhydrazine

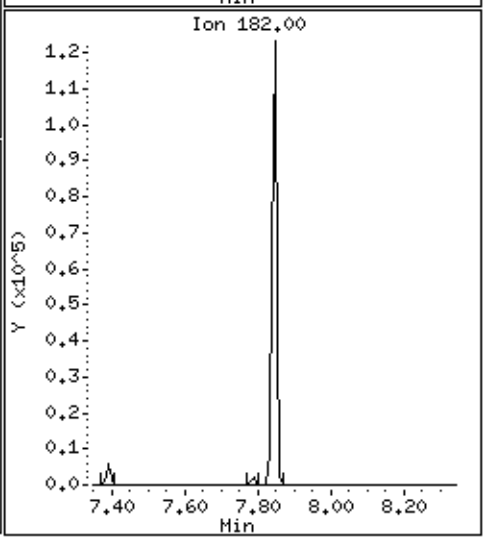
Concentration: 53.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

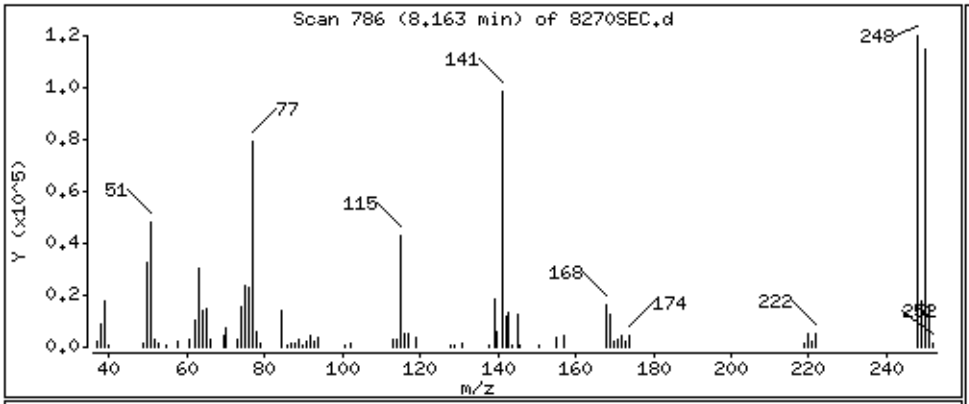
Operator: MJ

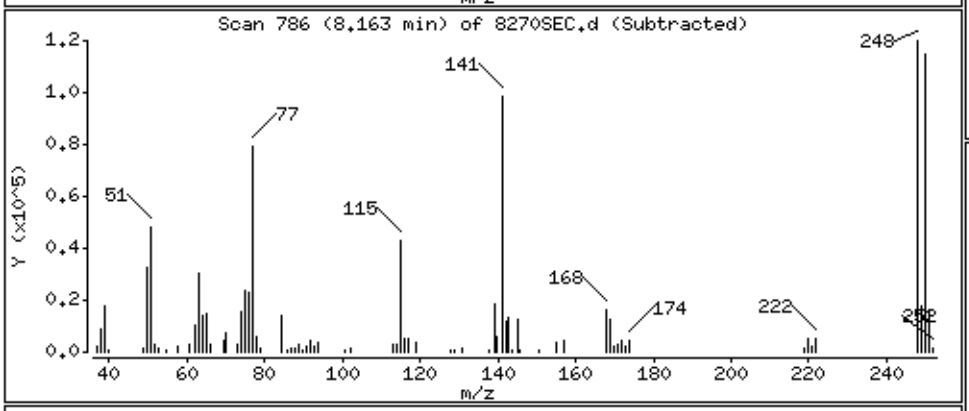
Column phase: HPMS-5

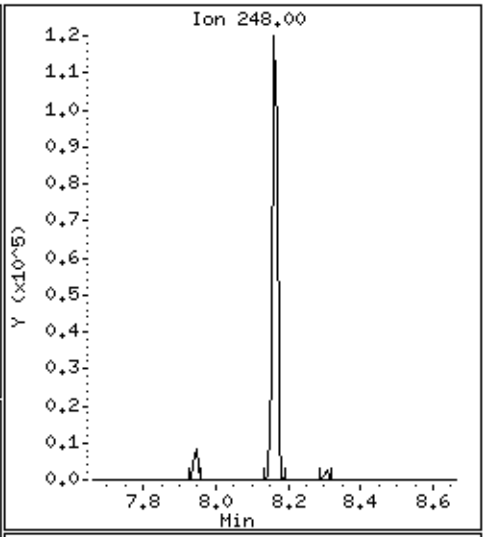
Column diameter: 0.25

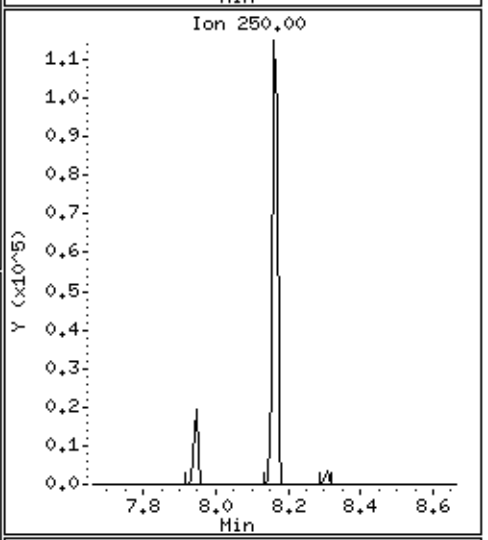
93 4-Bromophenylphenylether

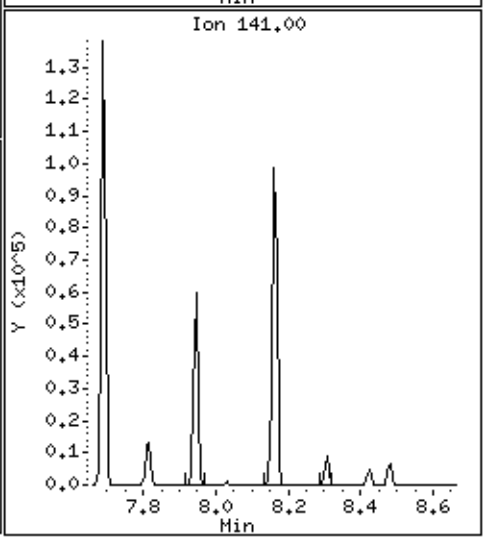
Concentration: 49.5 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

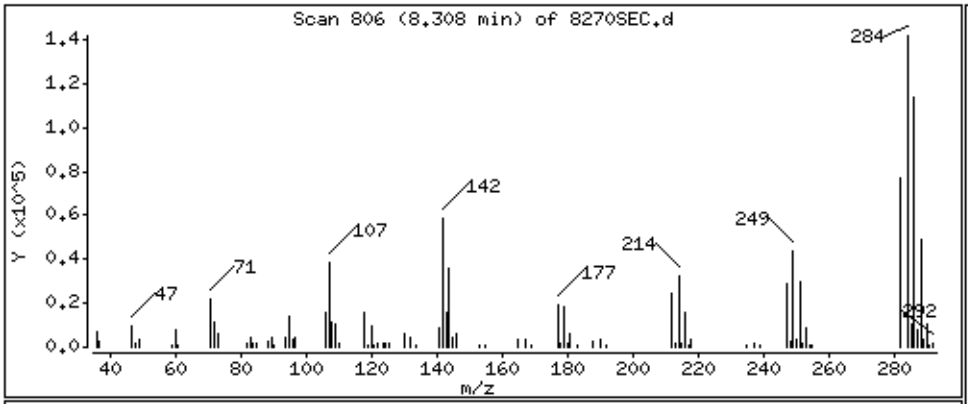
Operator: MJ

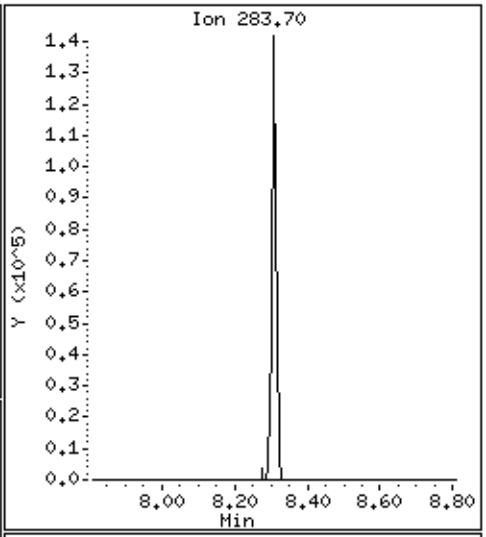
Column phase: HPMS-5

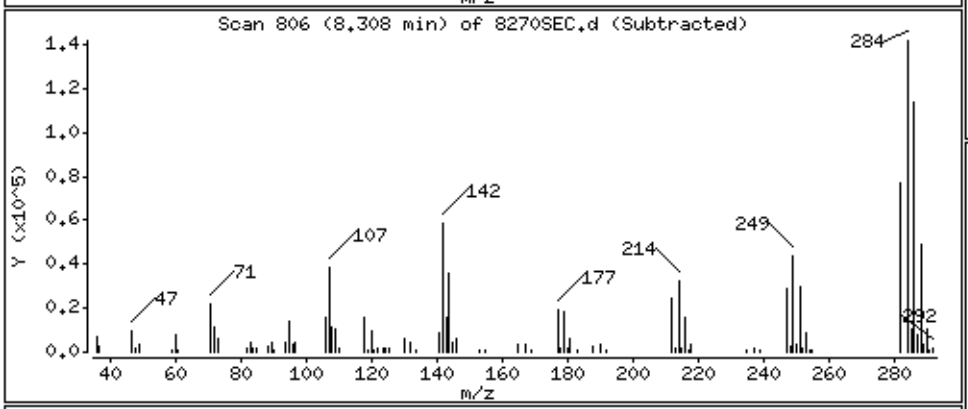
Column diameter: 0.25

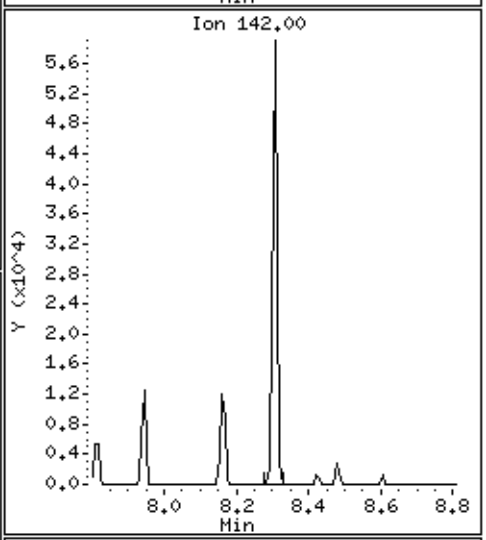
94 Hexachlorobenzene

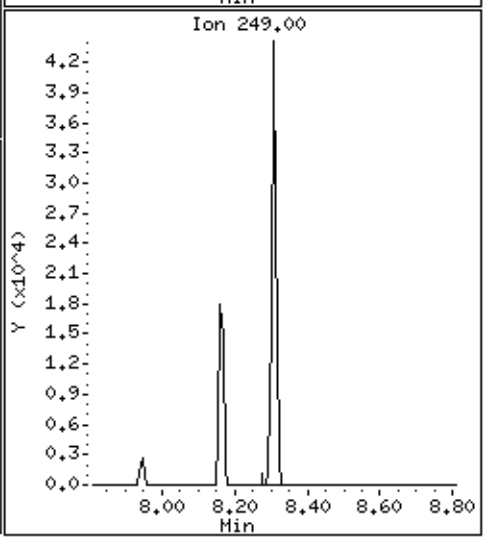
Concentration: 48.6 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

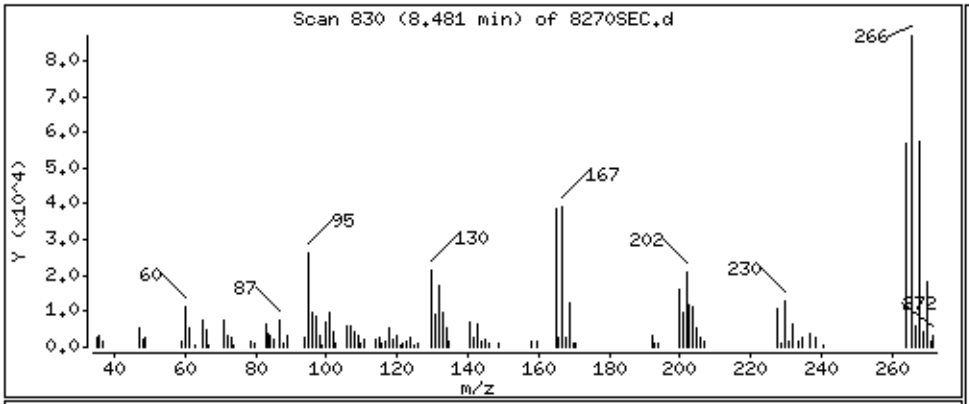
Operator: MJ

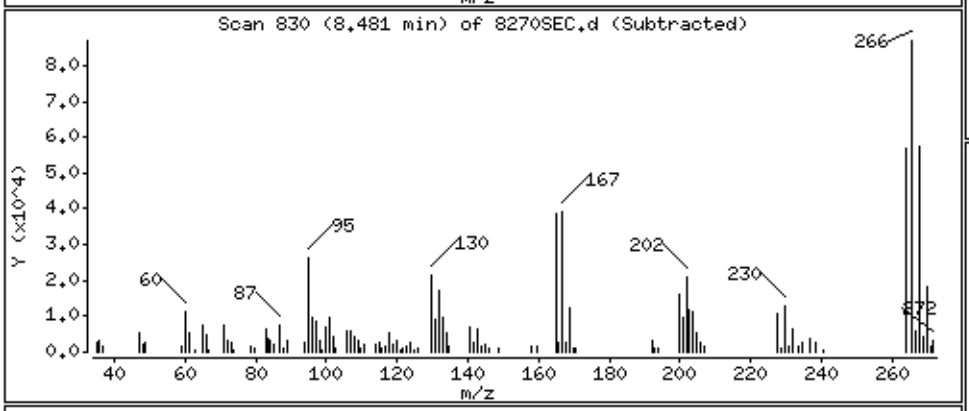
Column phase: HPMS-5

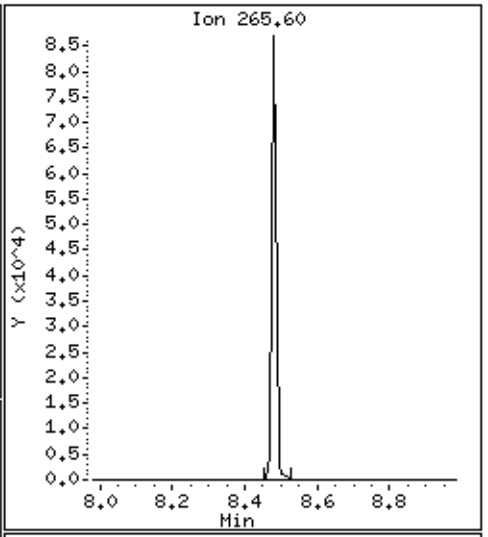
Column diameter: 0.25

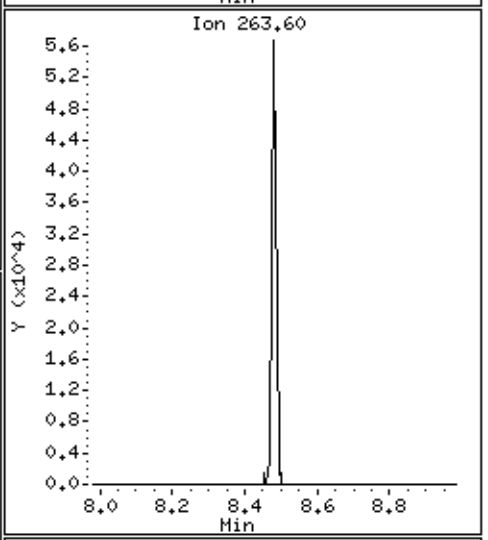
96 Pentachlorophenol

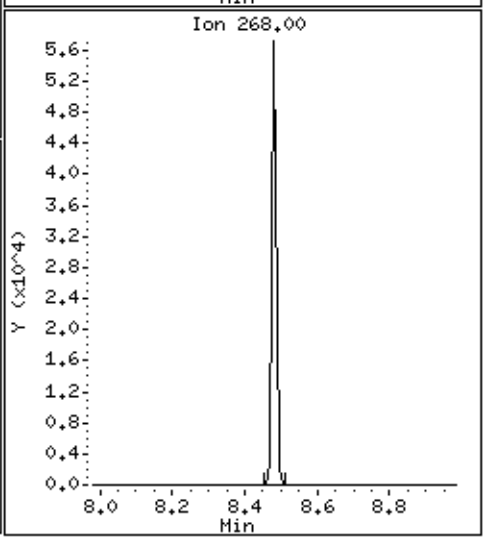
Concentration: 46.3 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

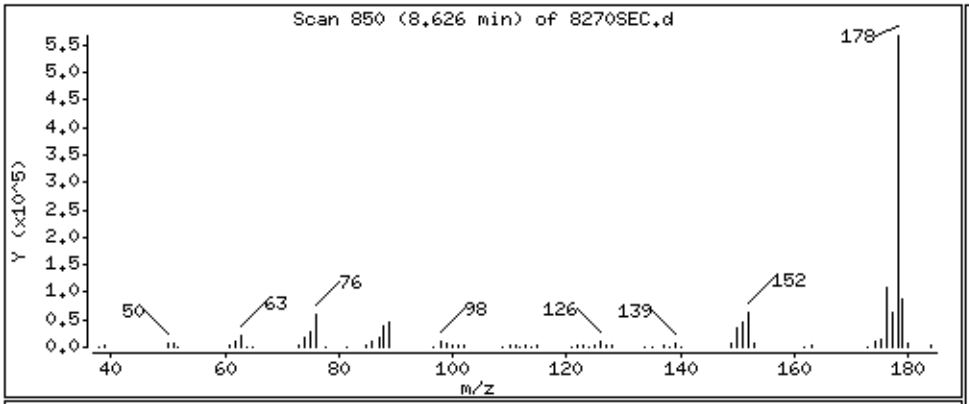
Operator: MJ

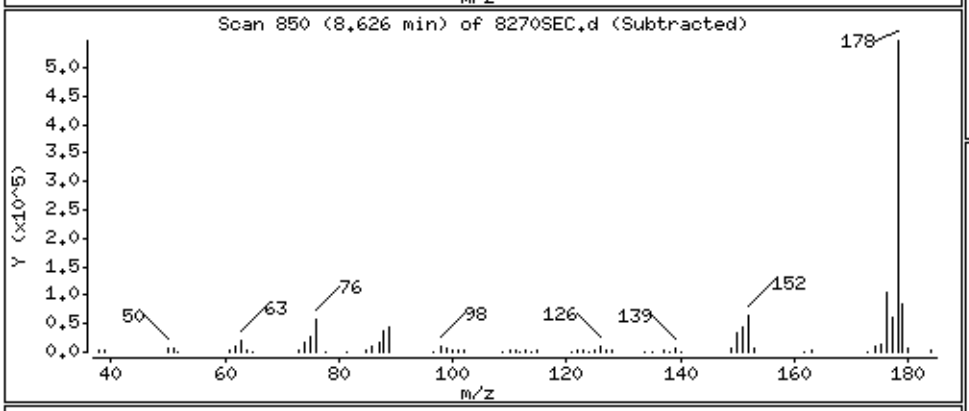
Column phase: HPMS-5

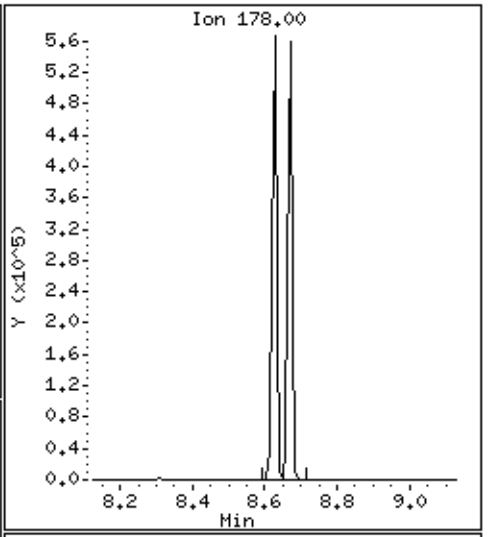
Column diameter: 0.25

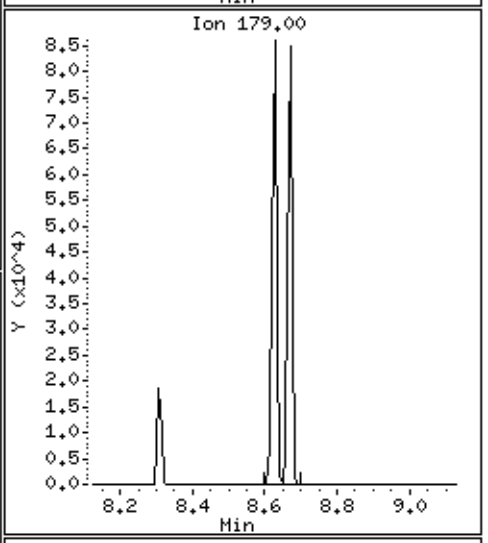
101 Phenanthrene

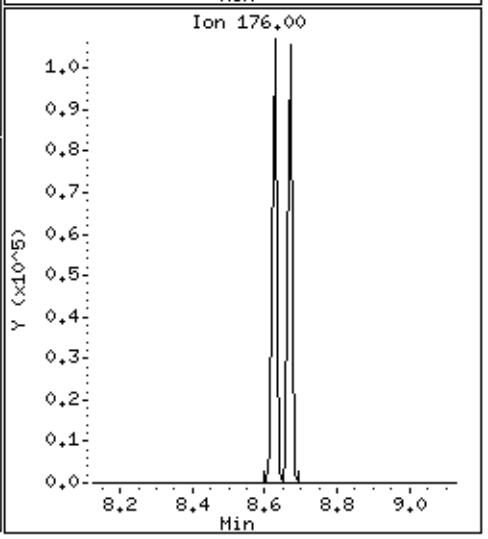
Concentration: 48.6 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

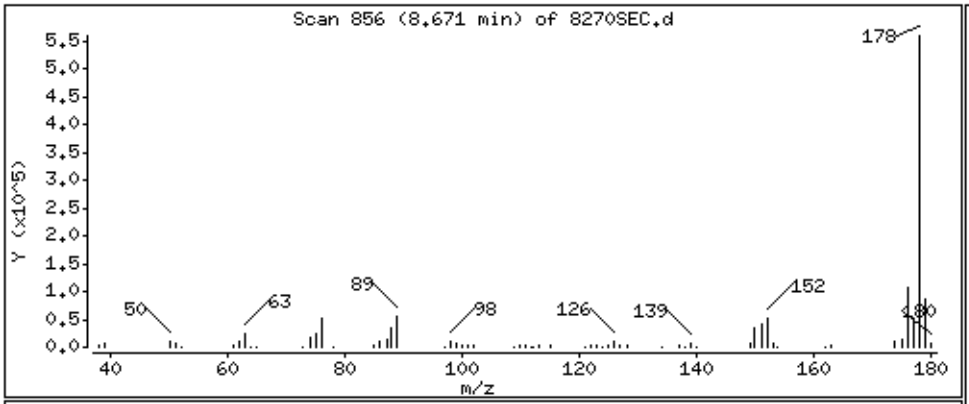
Operator: MJ

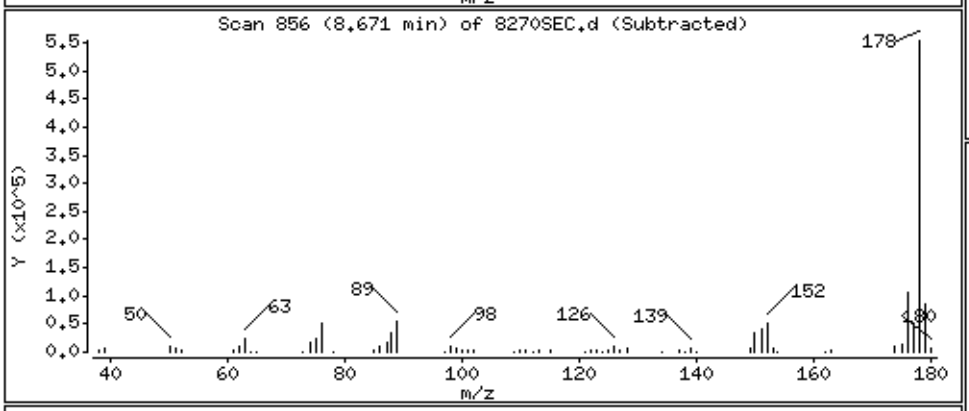
Column phase: HPMS-5

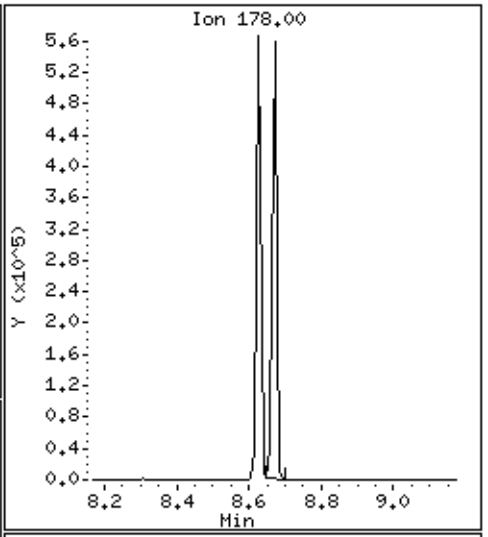
Column diameter: 0.25

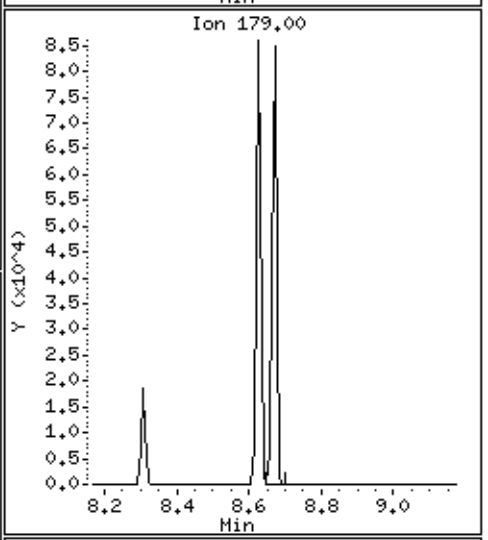
103 Anthracene

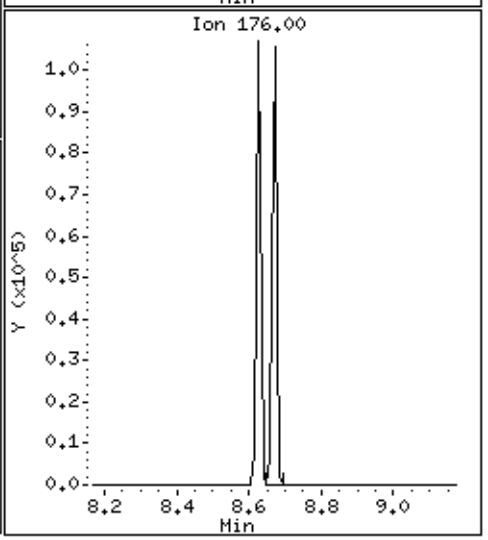
Concentration: 53.2 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

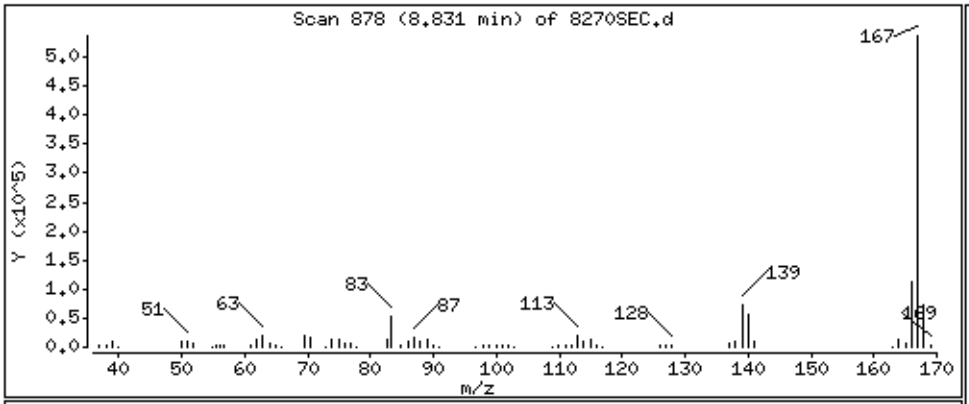
Operator: MJ

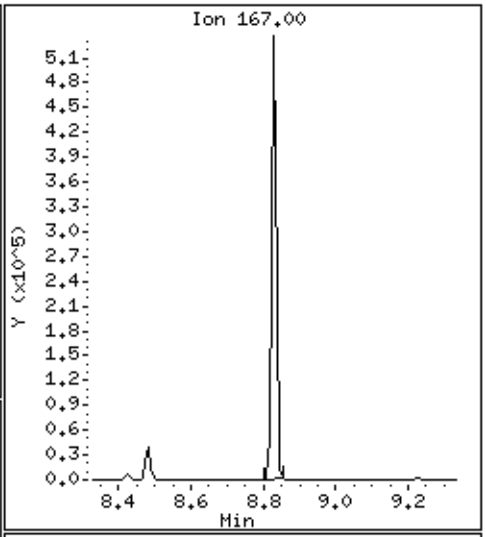
Column phase: HPMS-5

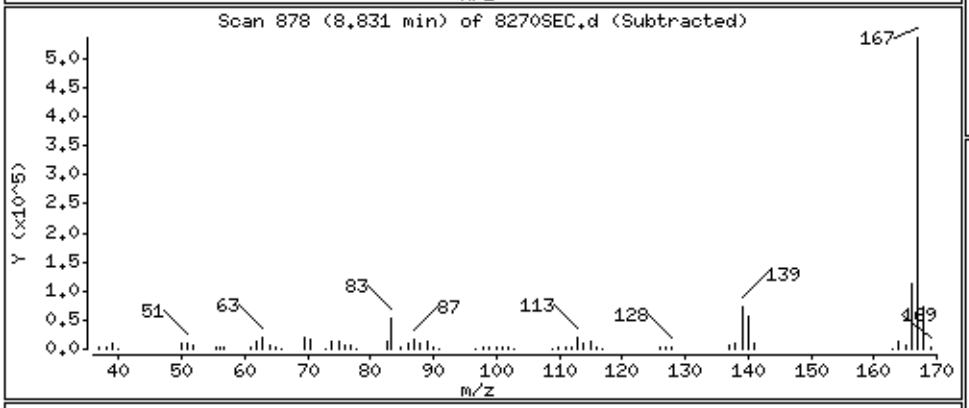
Column diameter: 0.25

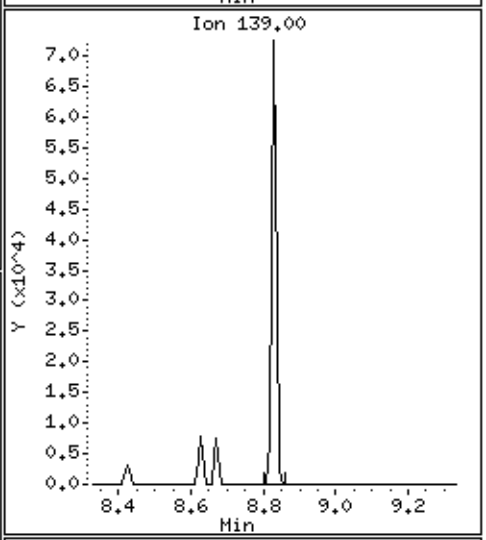
104 Carbazole

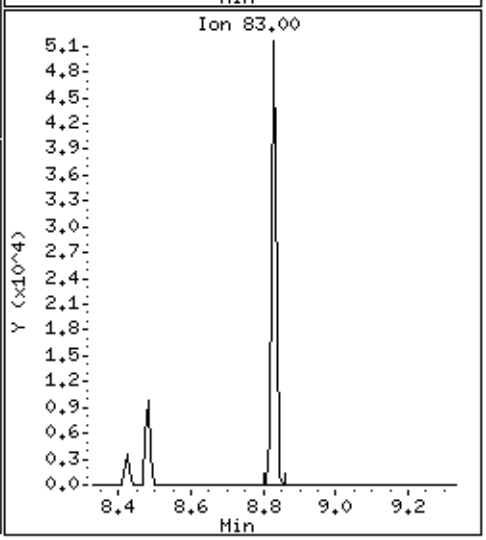
Concentration: 54.1 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

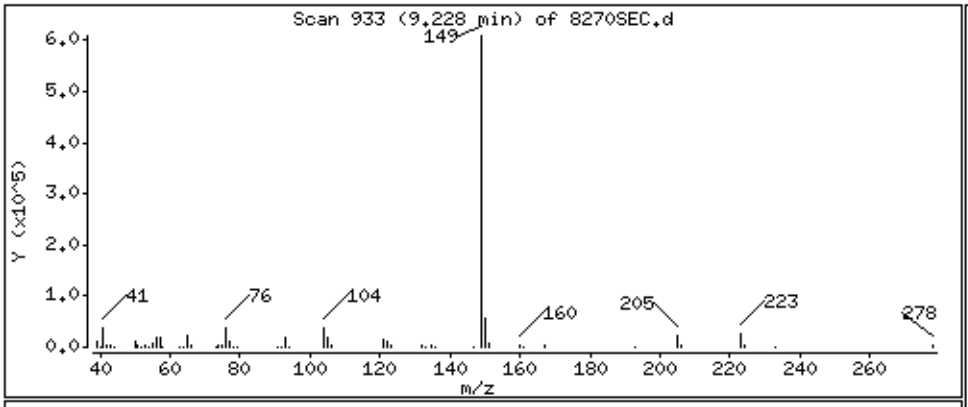
Operator: MJ

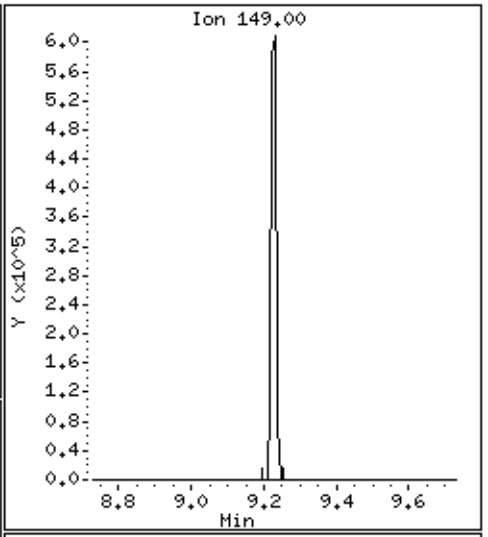
Column phase: HPMS-5

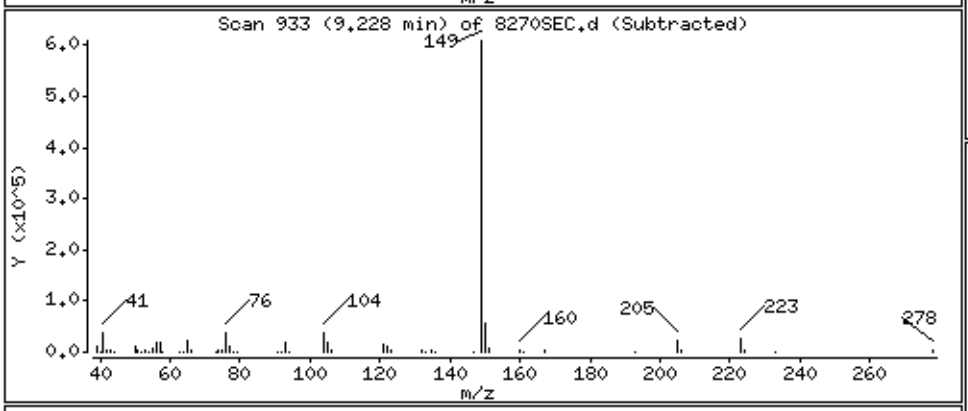
Column diameter: 0.25

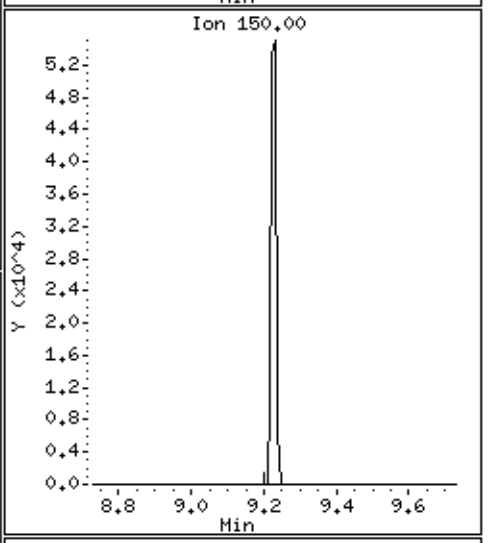
105 Di-n-butylphthalate

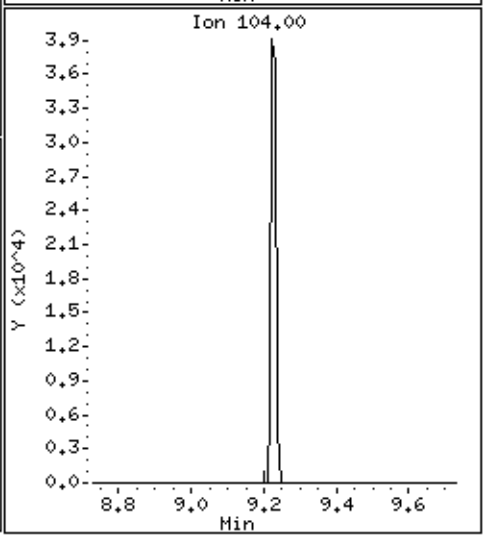
Concentration: 50.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

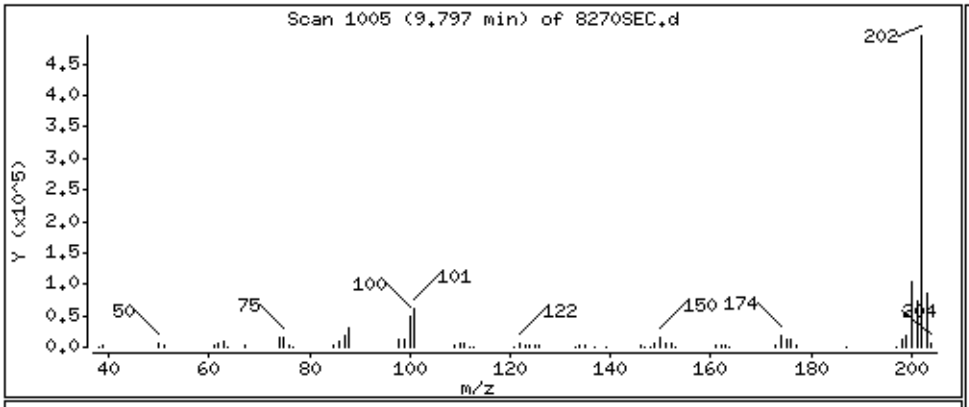
Operator: MJ

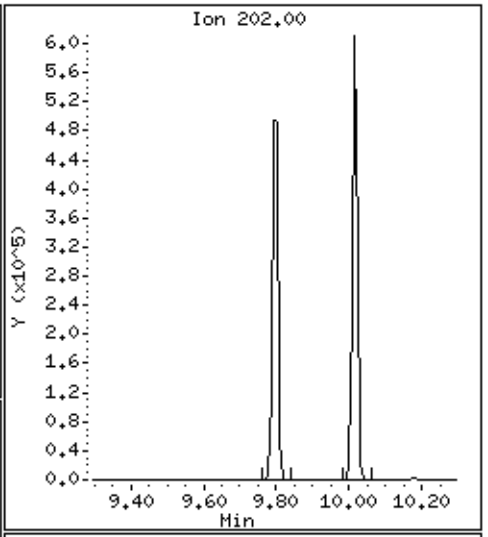
Column phase: HPMS-5

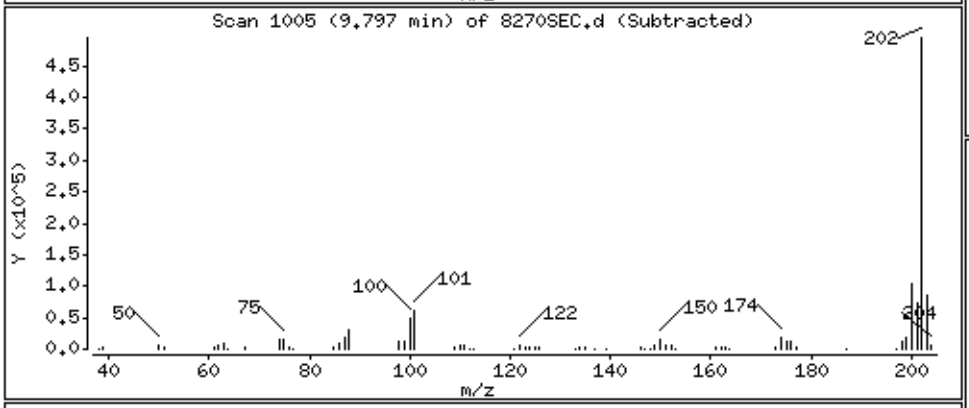
Column diameter: 0.25

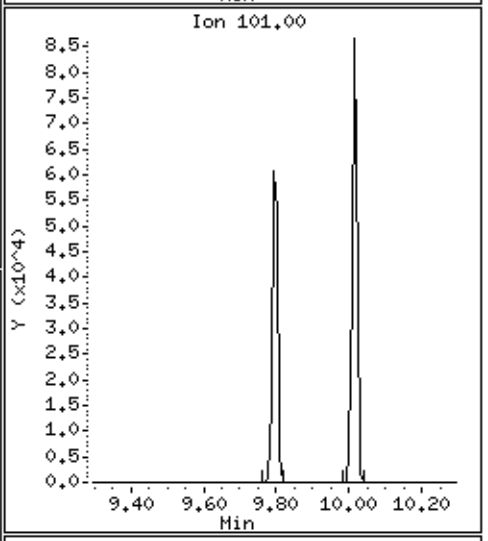
109 Fluoranthene

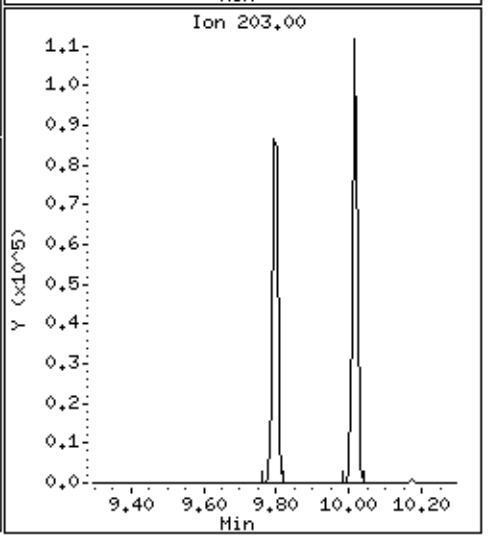
Concentration: 50.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

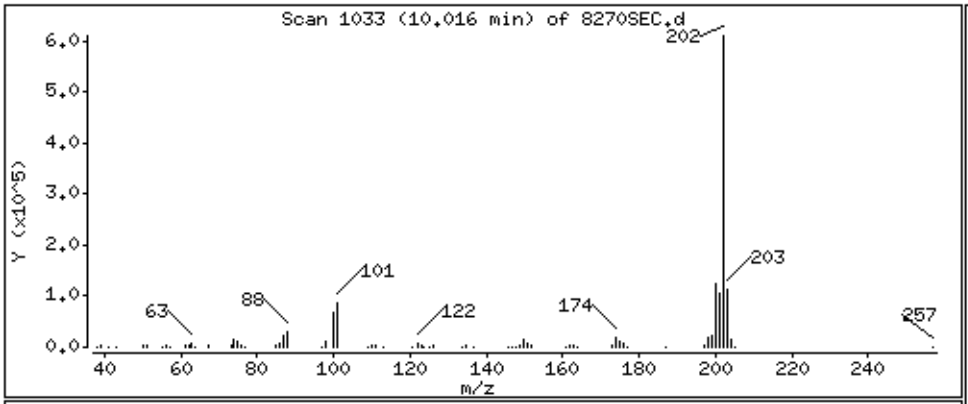
Operator: MJ

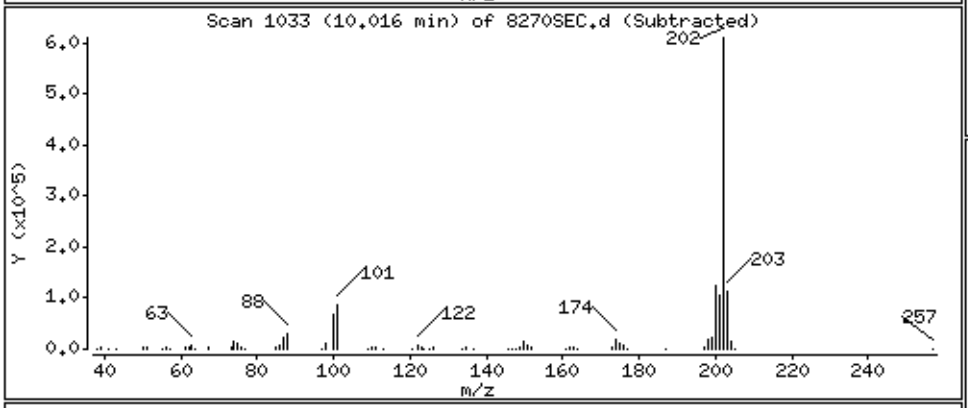
Column phase: HPMS-5

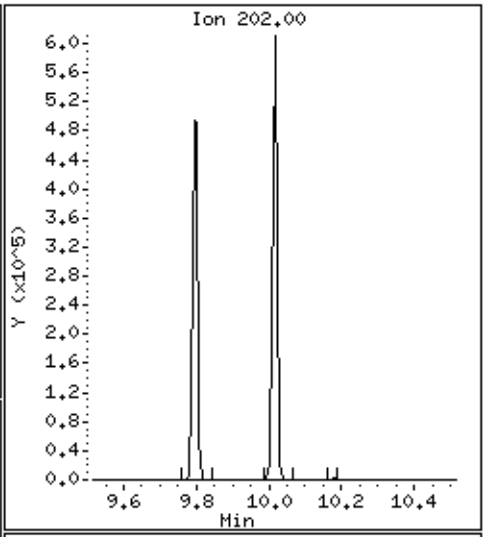
Column diameter: 0.25

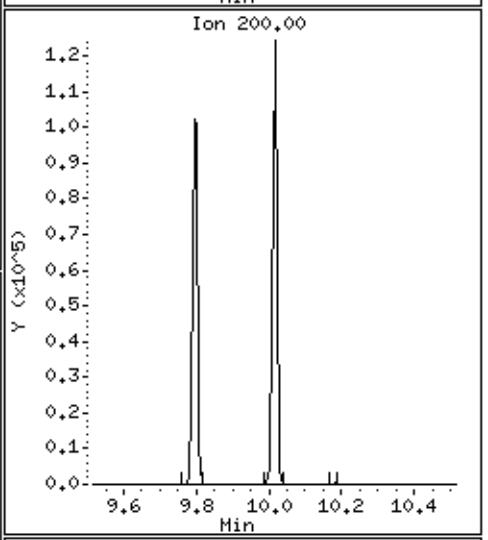
111 Pyrene

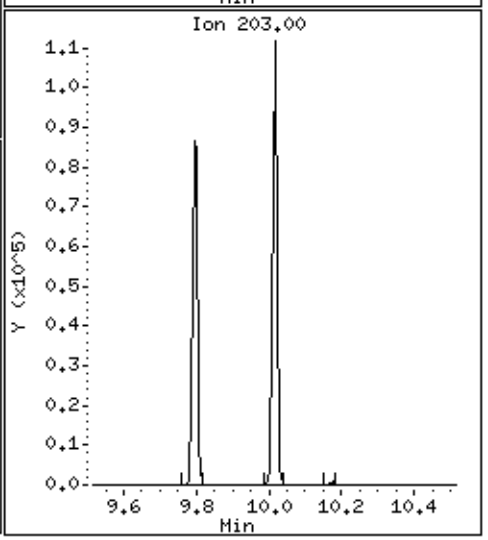
Concentration: 50.3 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

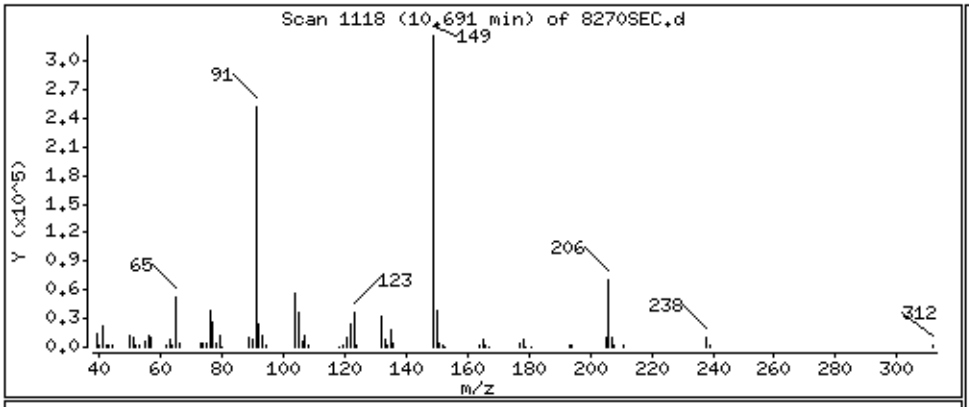
Operator: MJ

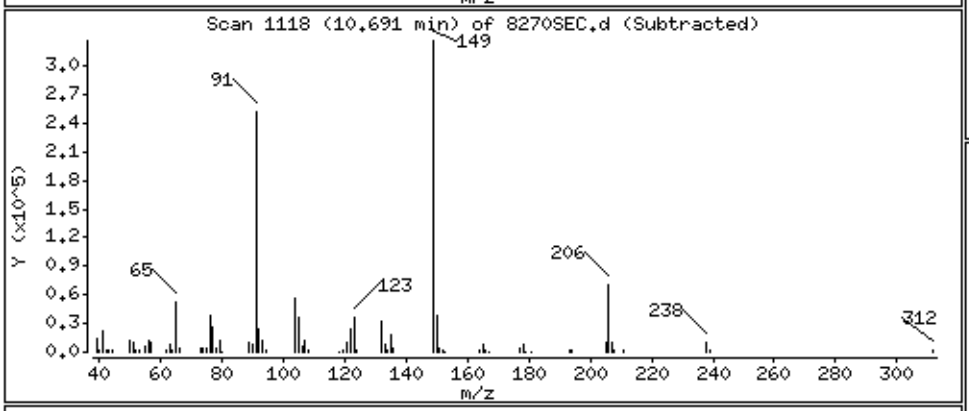
Column phase: HPMS-5

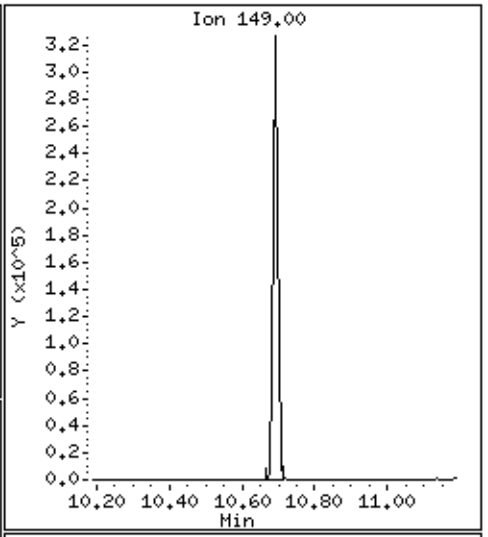
Column diameter: 0.25

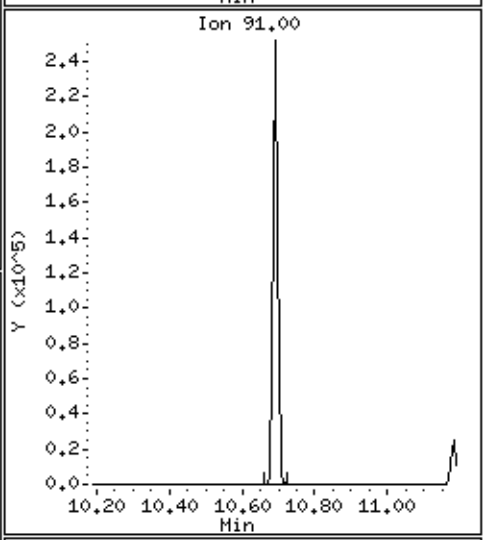
118 Butylbenzylphthalate

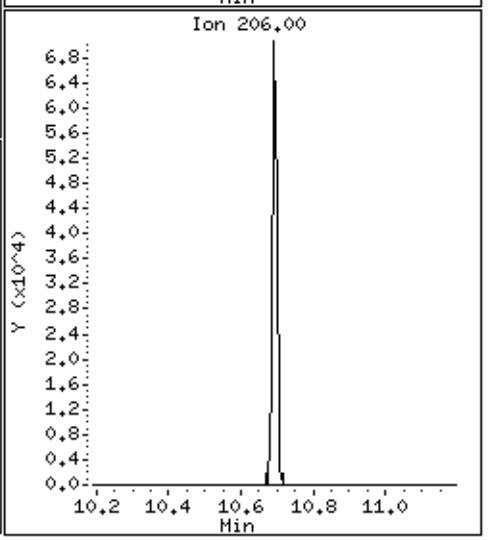
Concentration: 54.0 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

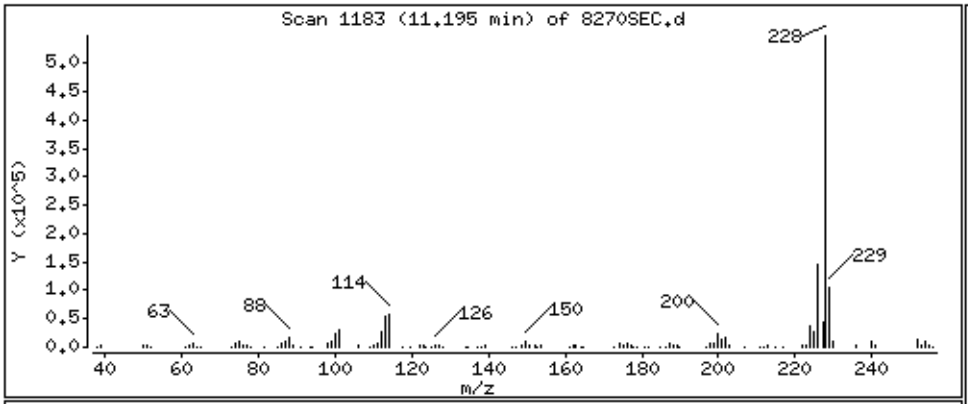
Operator: MJ

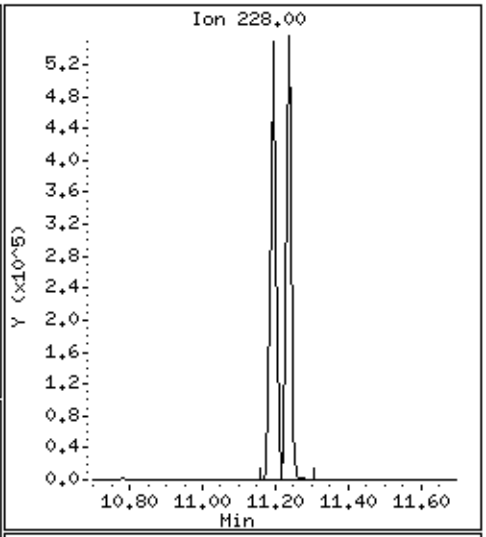
Column phase: HPMS-5

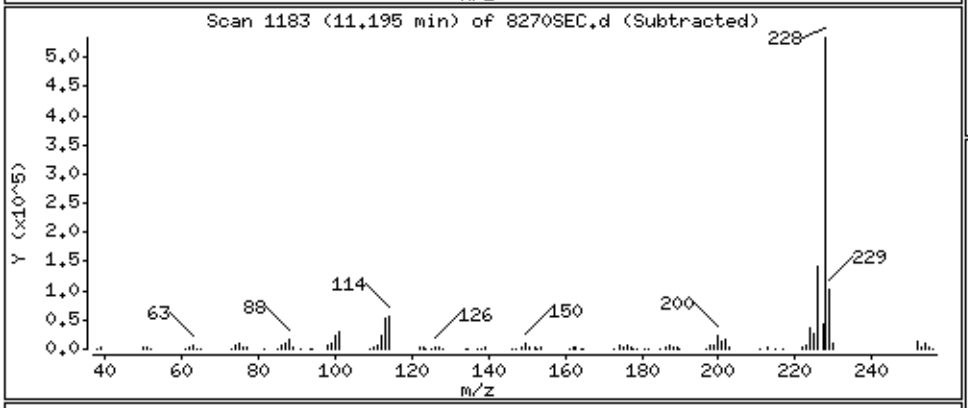
Column diameter: 0.25

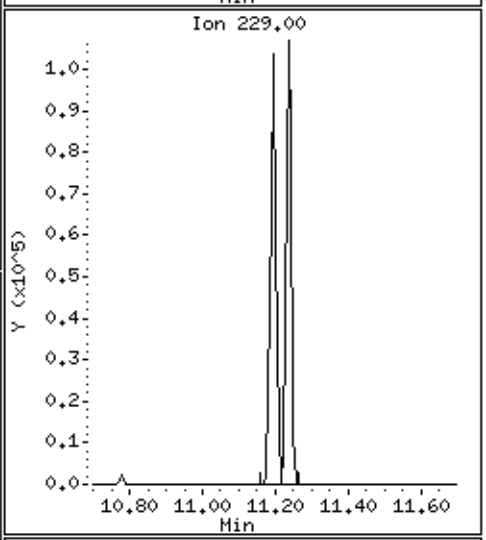
120 Benzo[a]anthracene

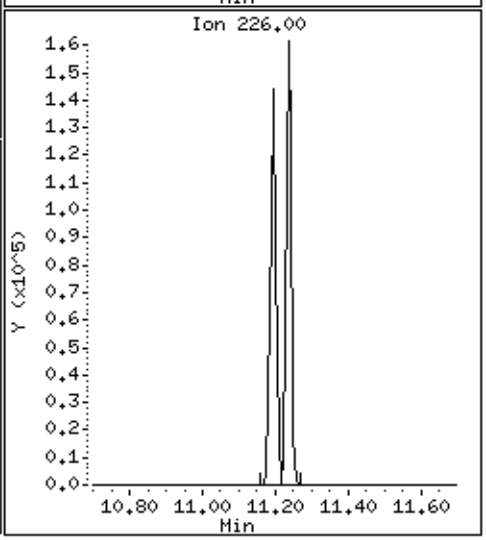
Concentration: 50.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

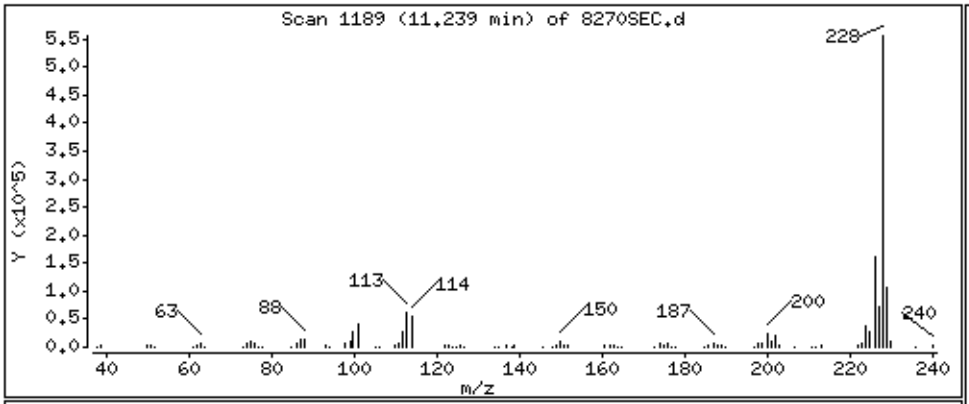
Operator: MJ

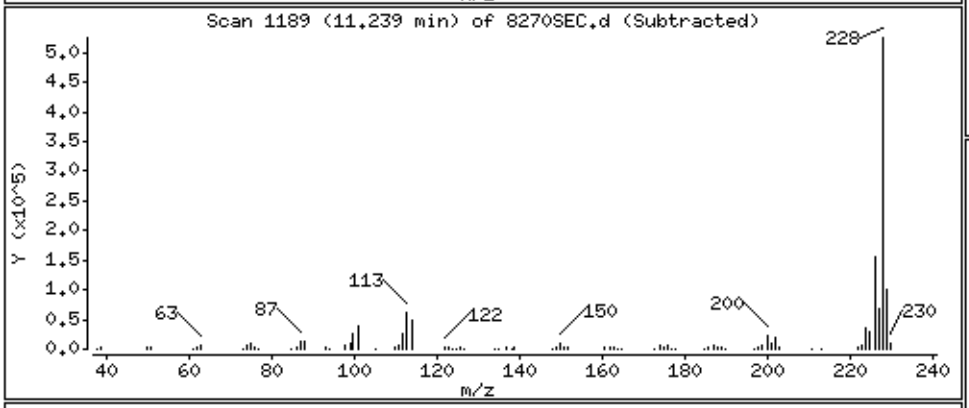
Column phase: HPMS-5

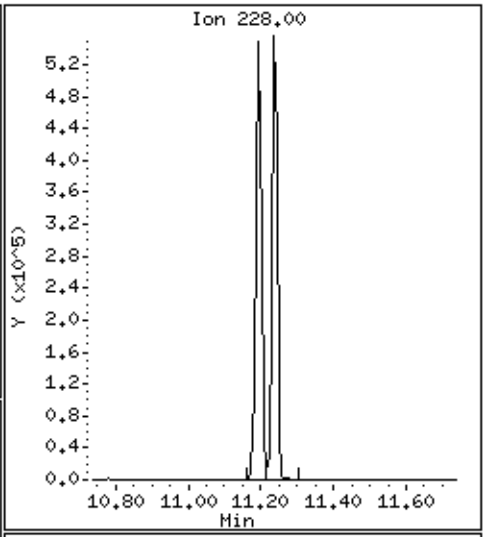
Column diameter: 0.25

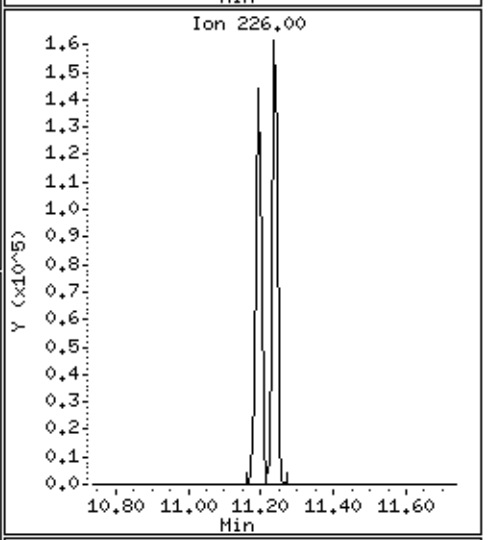
123 Chrysene

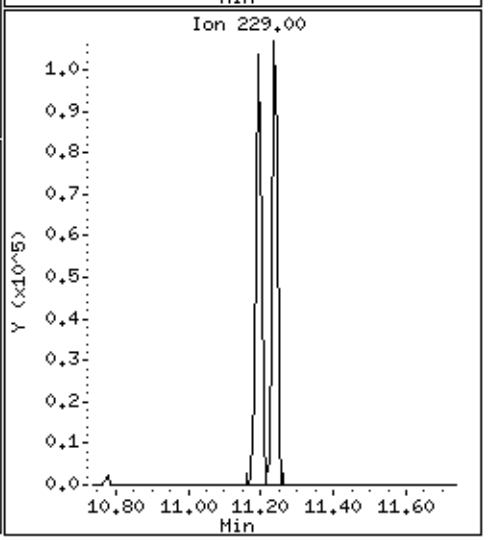
Concentration: 48.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

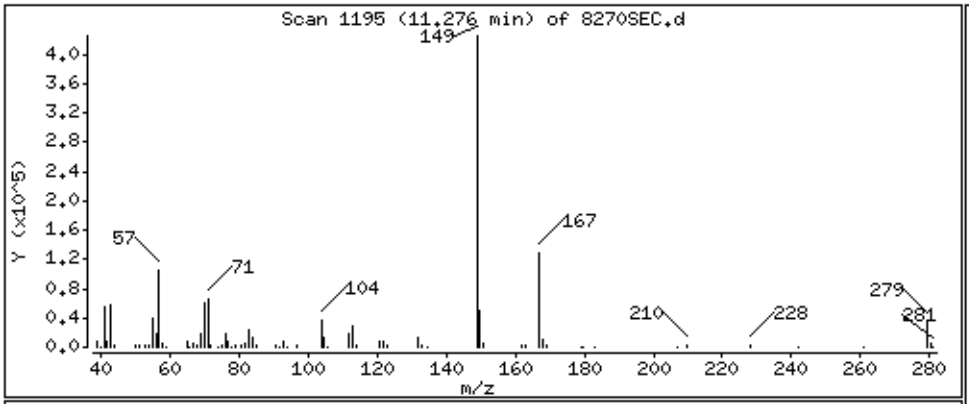
Operator: MJ

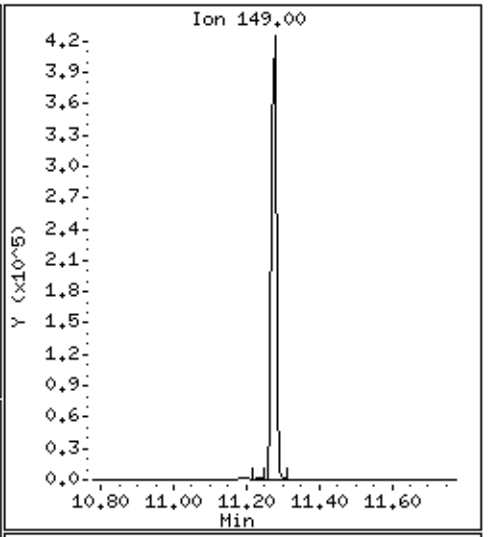
Column phase: HPMS-5

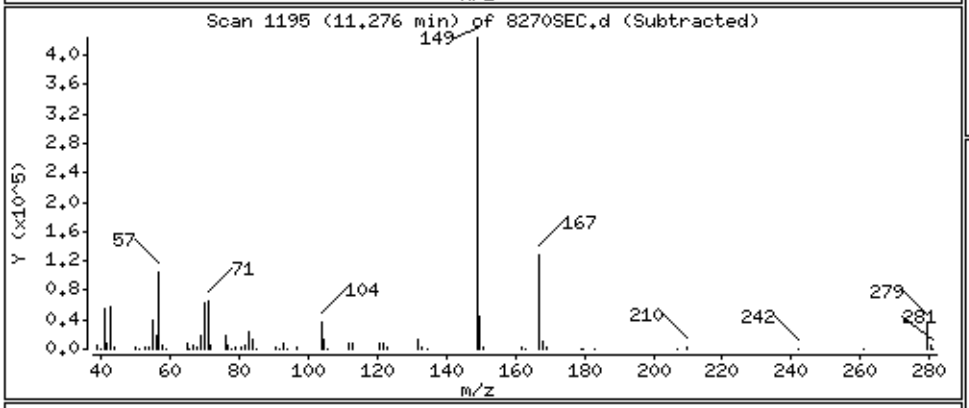
Column diameter: 0.25

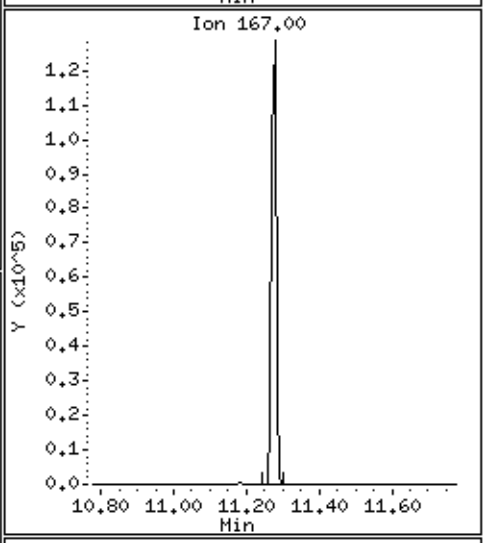
124 Bis-2-Ethylhexylphthalate

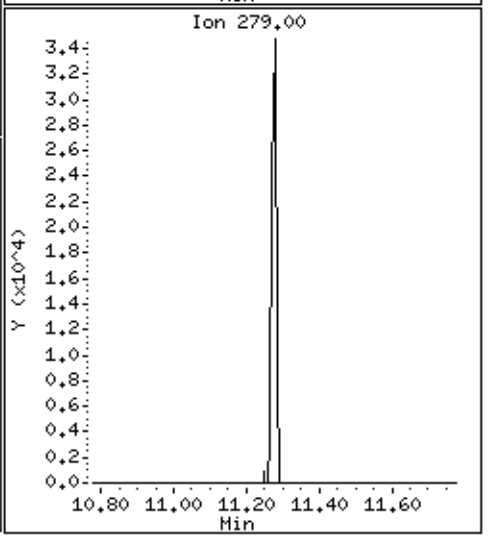
Concentration: 50.7 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

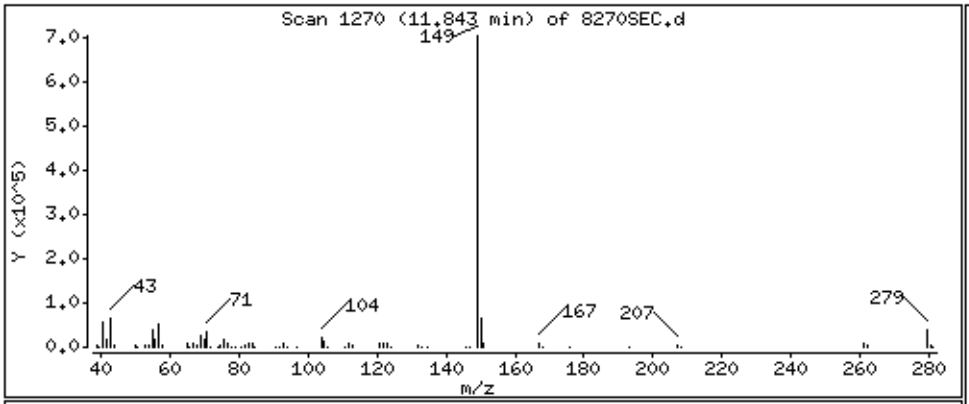
Operator: MJ

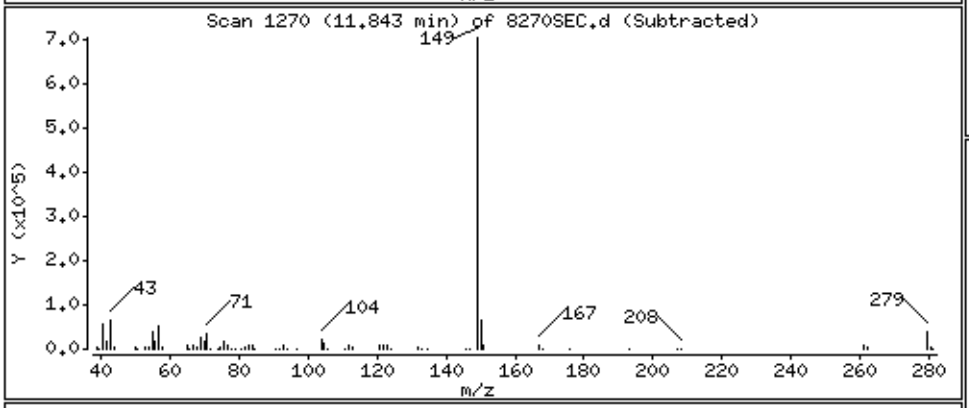
Column phase: HPMS-5

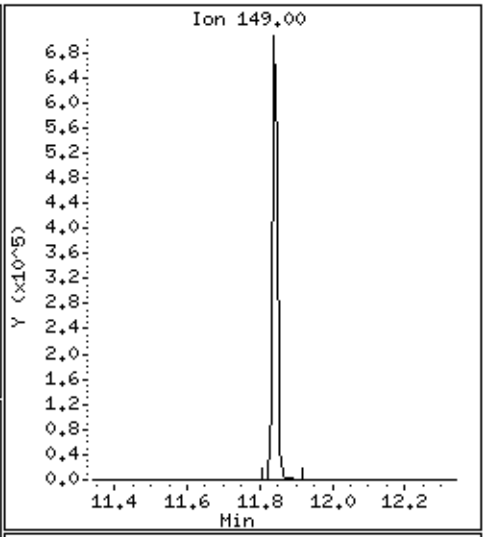
Column diameter: 0.25

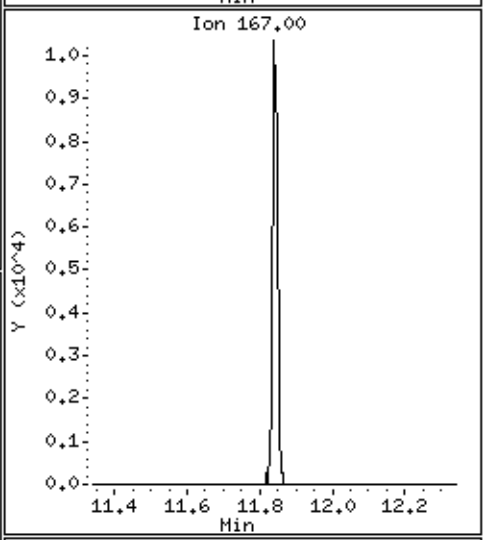
125 Di-n-octylphthalate

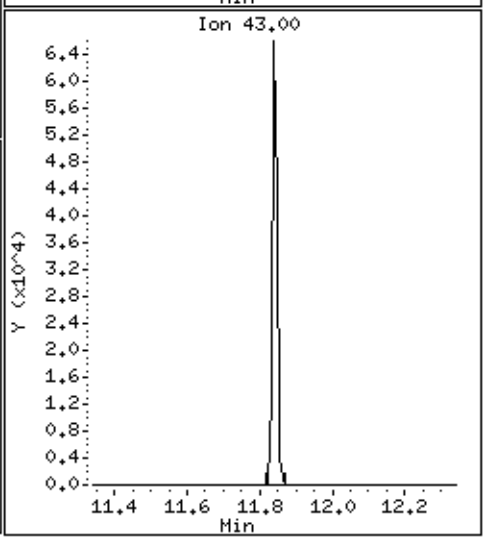
Concentration: 49.5 ug/kg











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Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

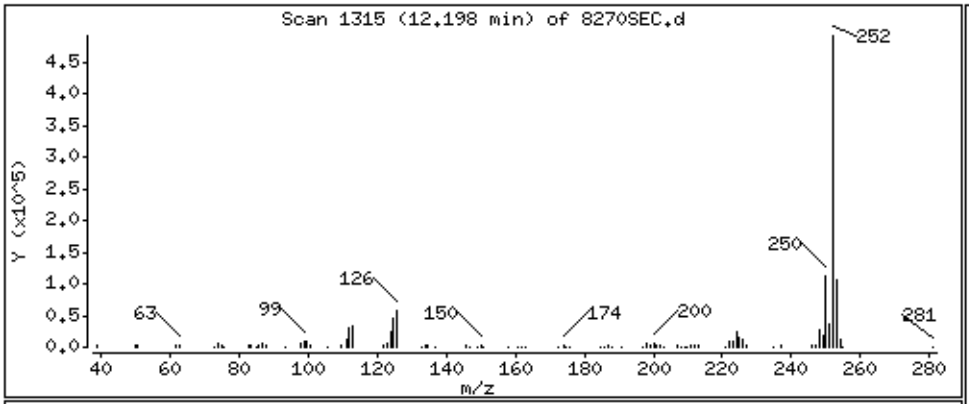
Operator: MJ

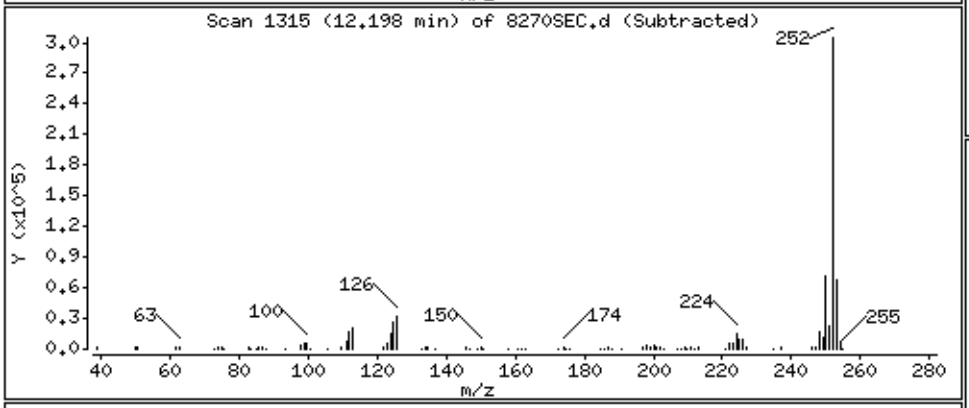
Column phase: HPMS-5

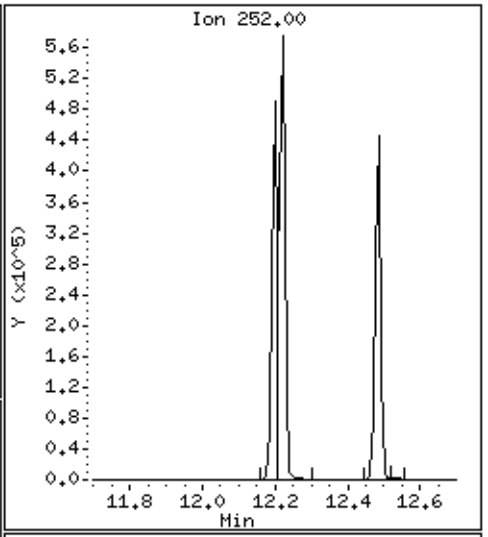
Column diameter: 0.25

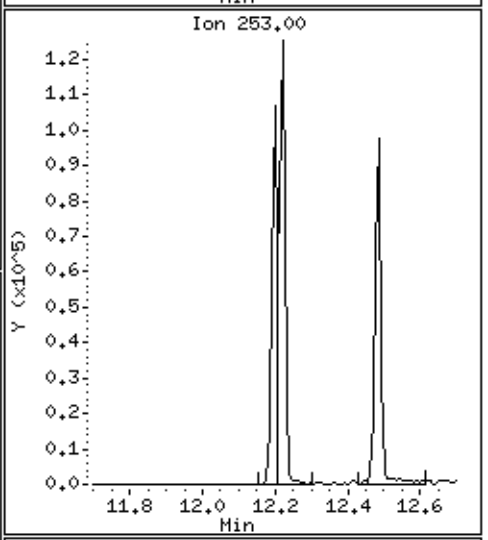
127 Benzo[b]fluoranthene

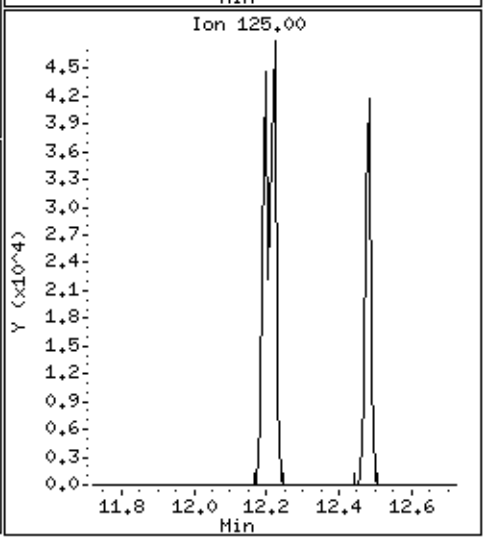
Concentration: 48.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

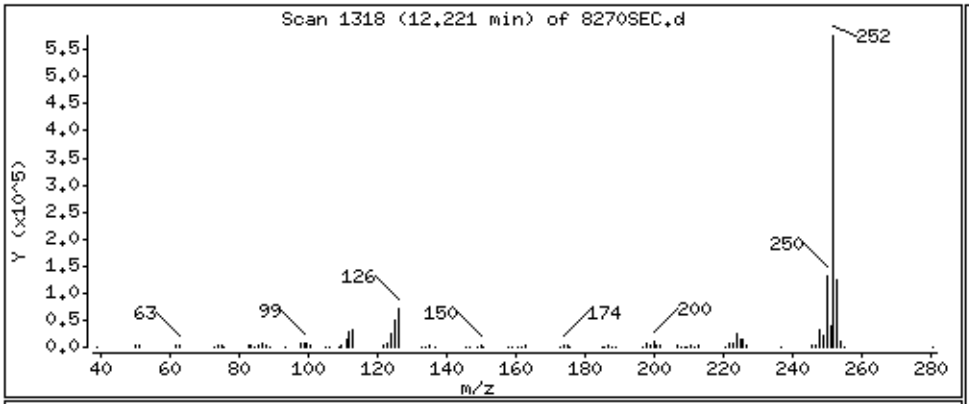
Operator: MJ

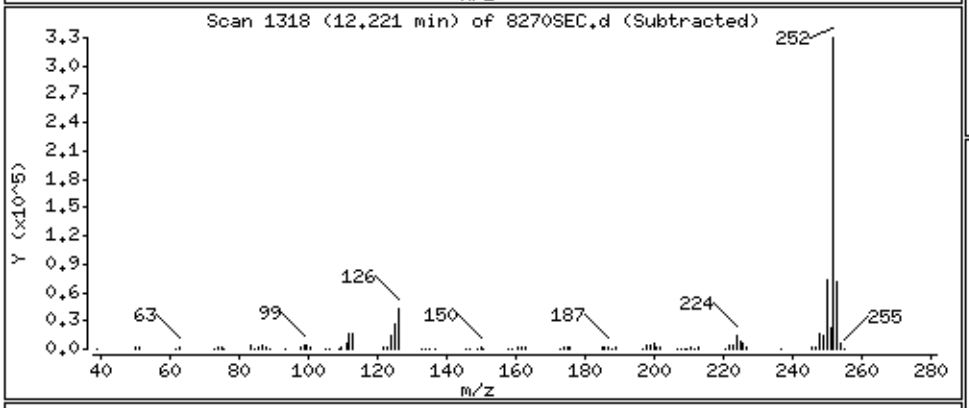
Column phase: HPMS-5

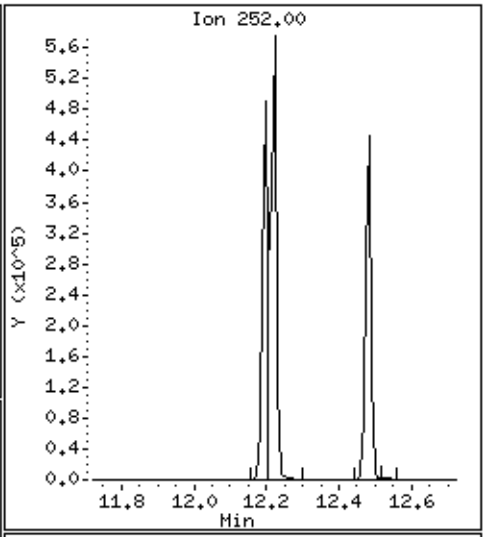
Column diameter: 0.25

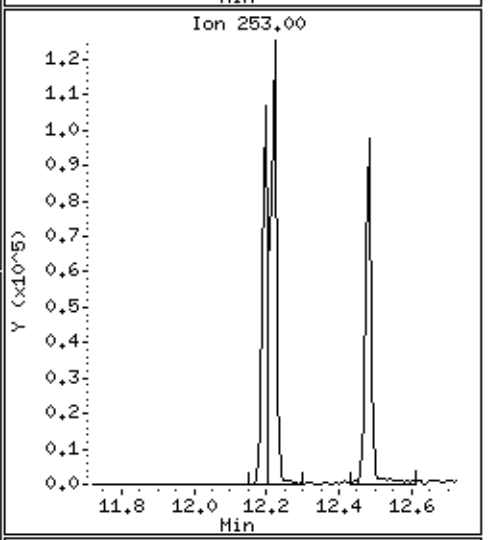
128 Benzo[k]fluoranthene

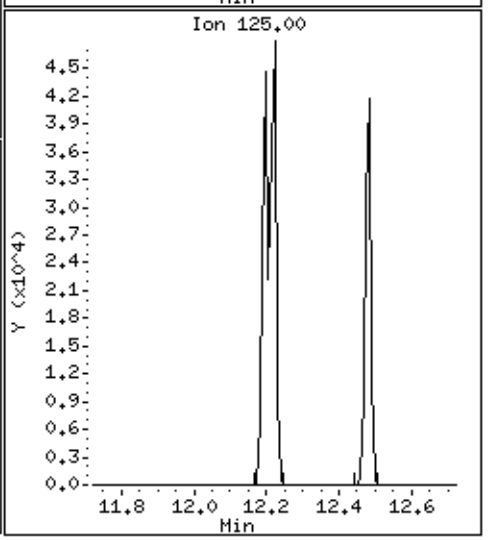
Concentration: 47.7 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

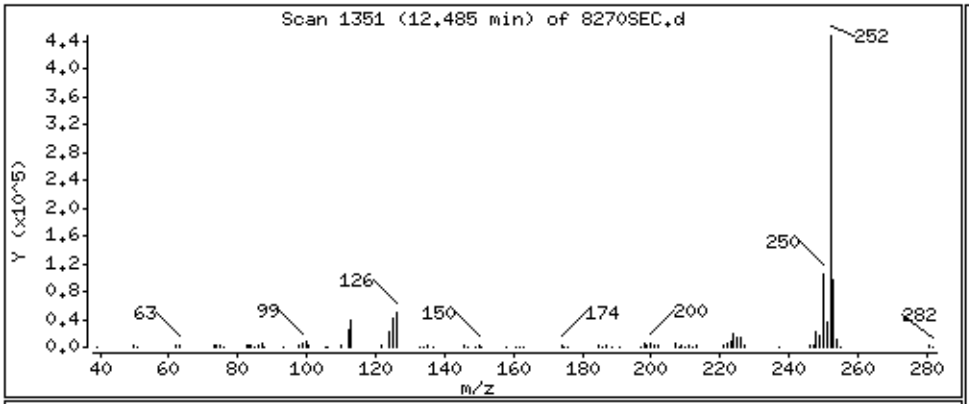
Operator: MJ

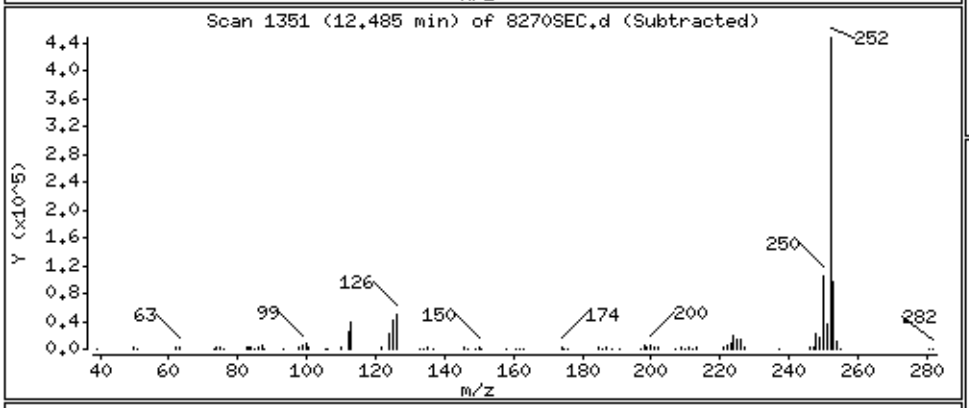
Column phase: HPMS-5

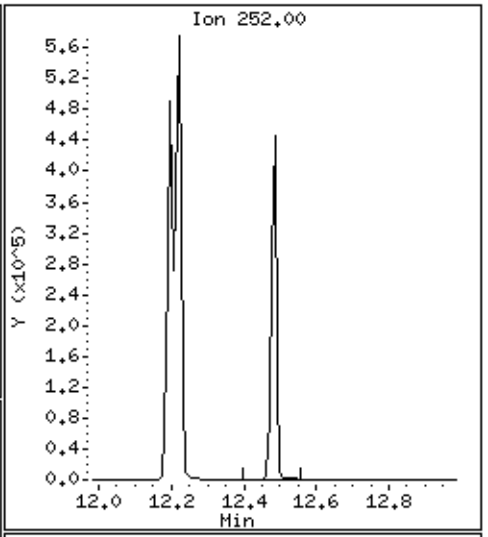
Column diameter: 0.25

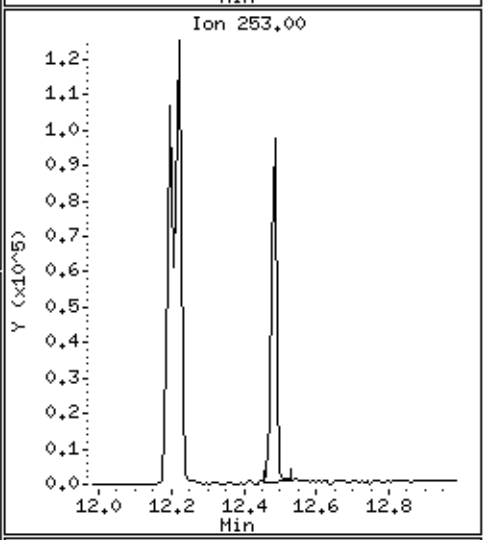
129 Benzo[a]pyrene

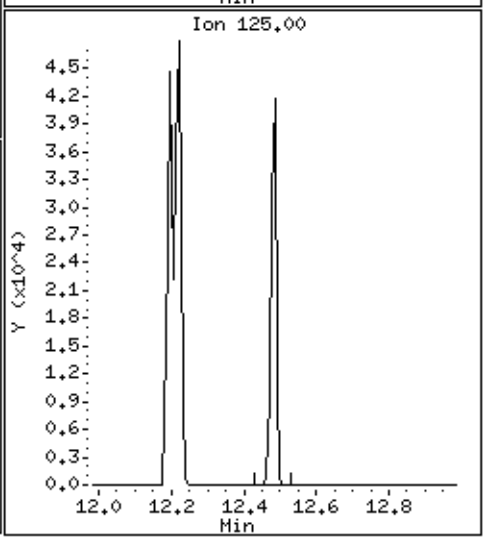
Concentration: 49.8 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

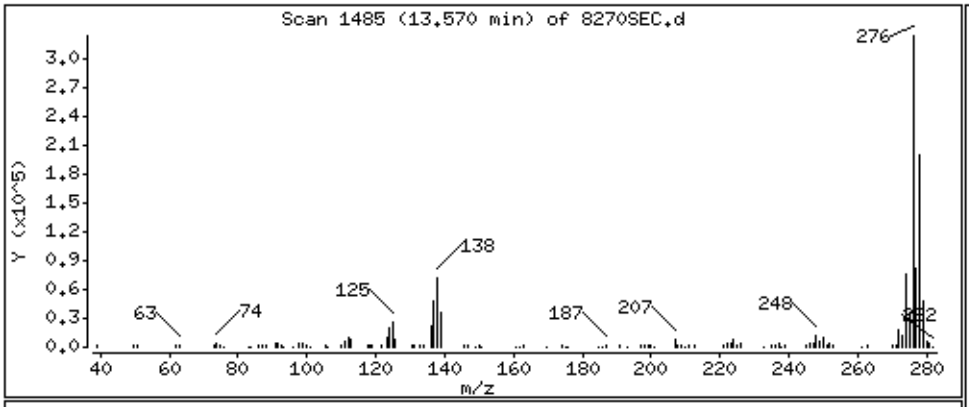
Operator: MJ

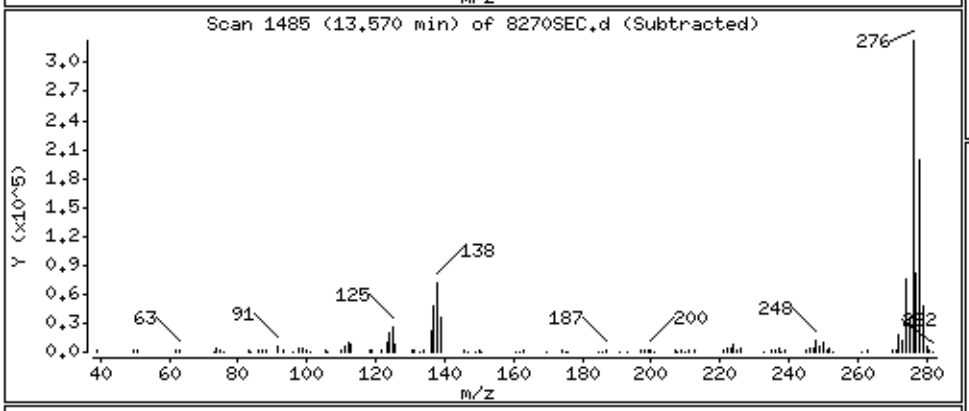
Column phase: HPMS-5

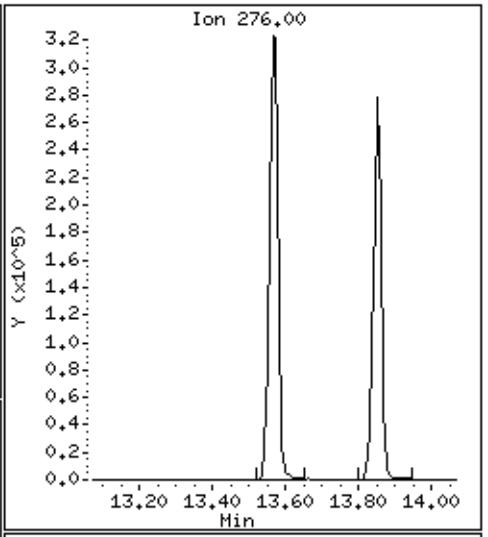
Column diameter: 0.25

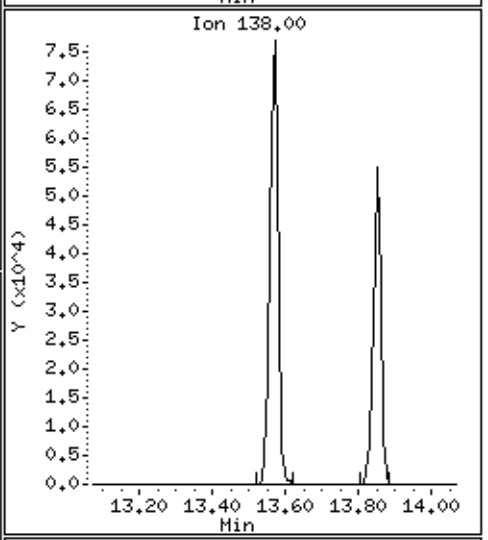
133 Indeno[1,2,3-cd]pyrene

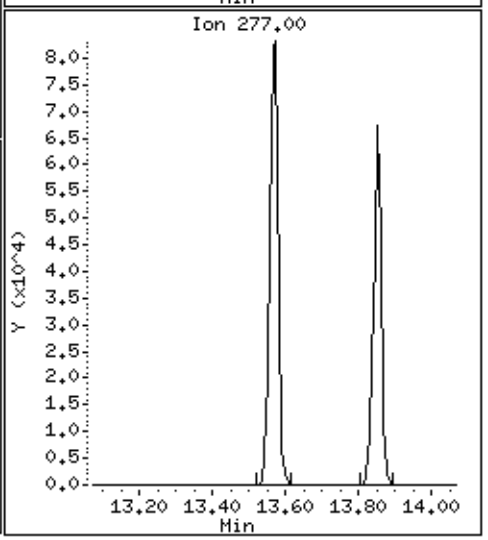
Concentration: 50.9 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

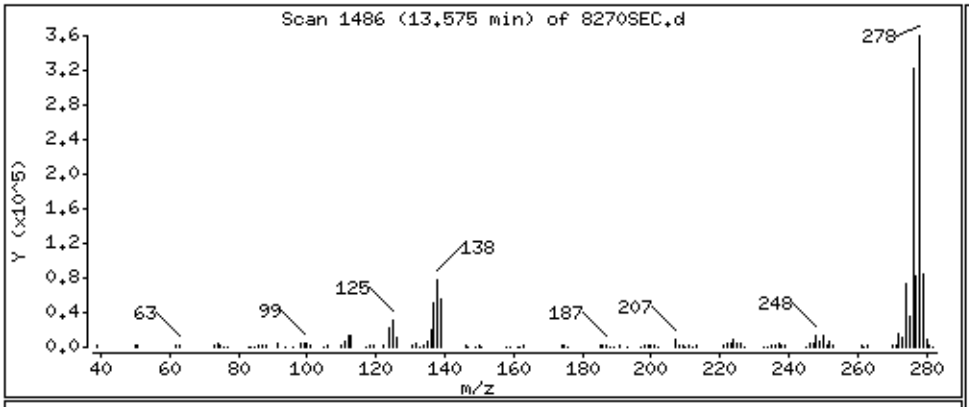
Operator: MJ

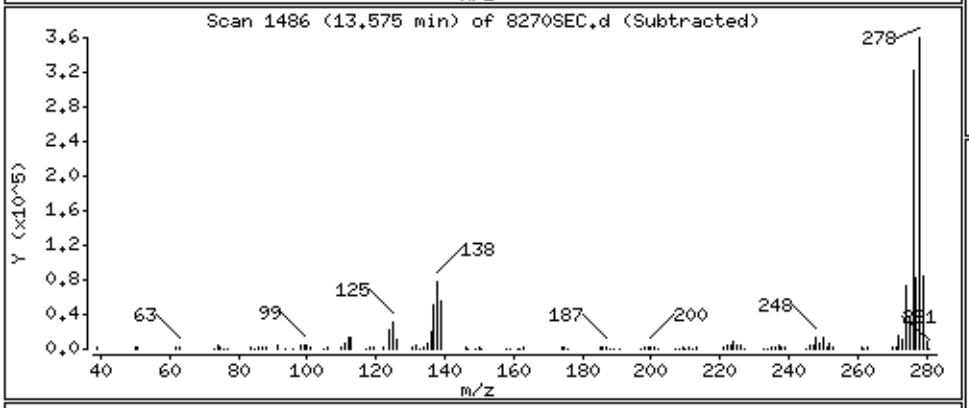
Column phase: HPMS-5

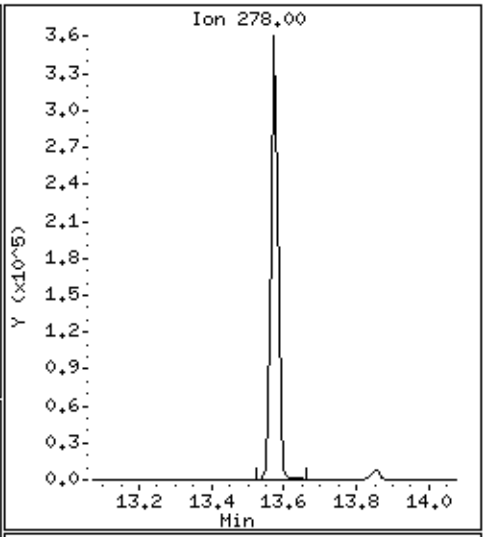
Column diameter: 0.25

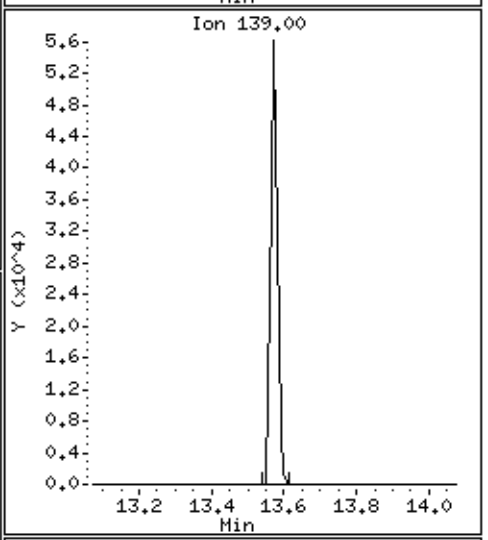
134 Dibenz[a,h]anthracene

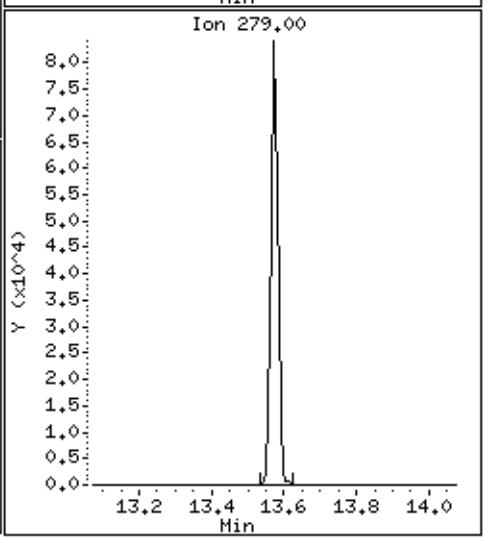
Concentration: 50.5 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270SEC.d

Date : 15-NOV-2012 01:07

Client ID: 8270SEC

Instrument: smsd04.i

Sample Info: 47770

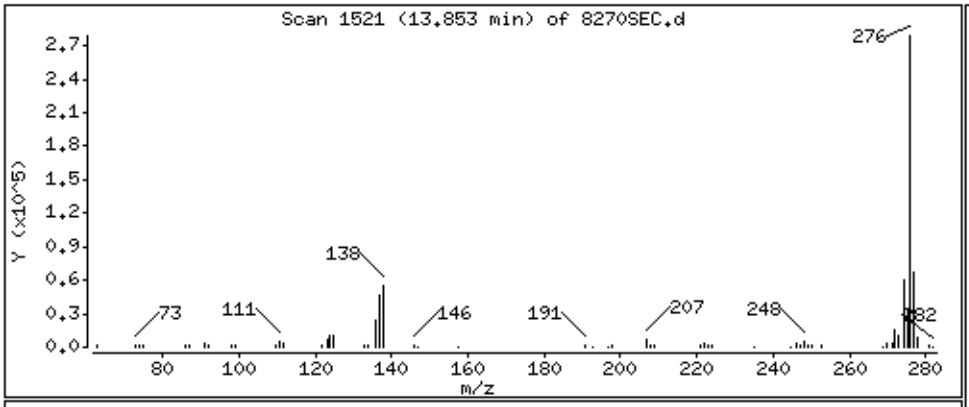
Operator: MJ

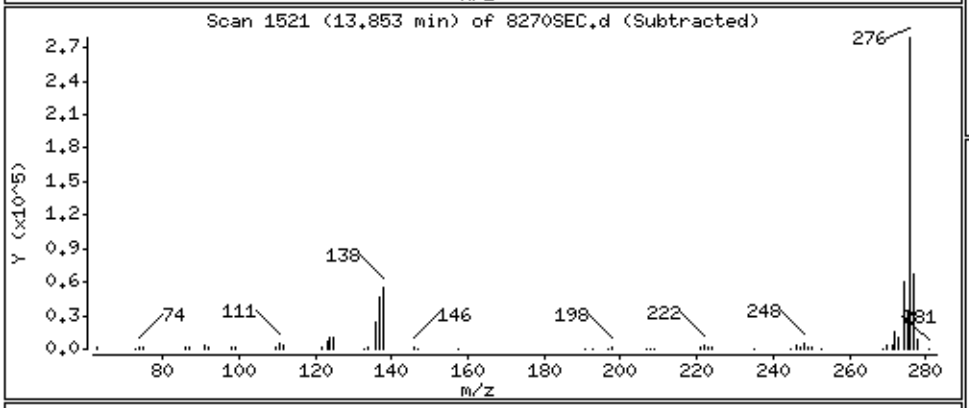
Column phase: HPMS-5

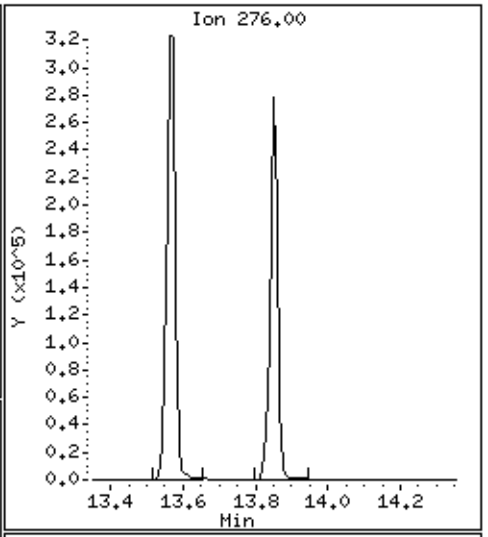
Column diameter: 0.25

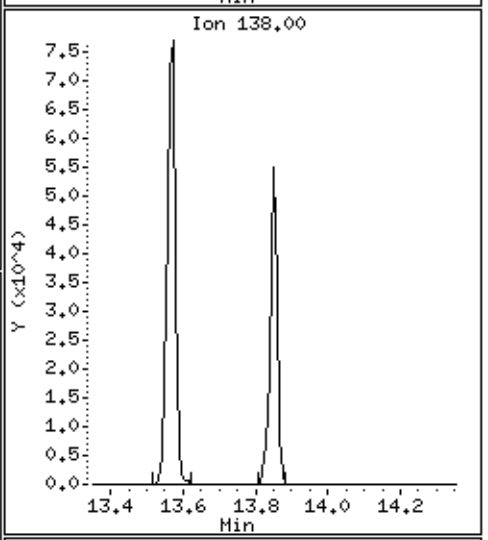
135 Benzo[g,h,i]perylene

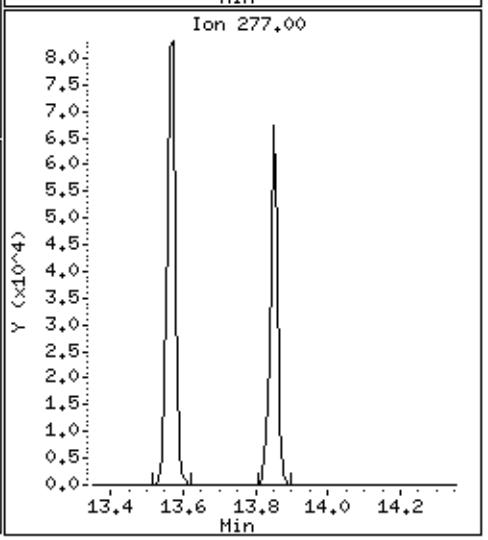
Concentration: 50.2 ug/kg











Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d
Report Date: 26-Nov-2012 18:05

PEL Laboratories, Inc.

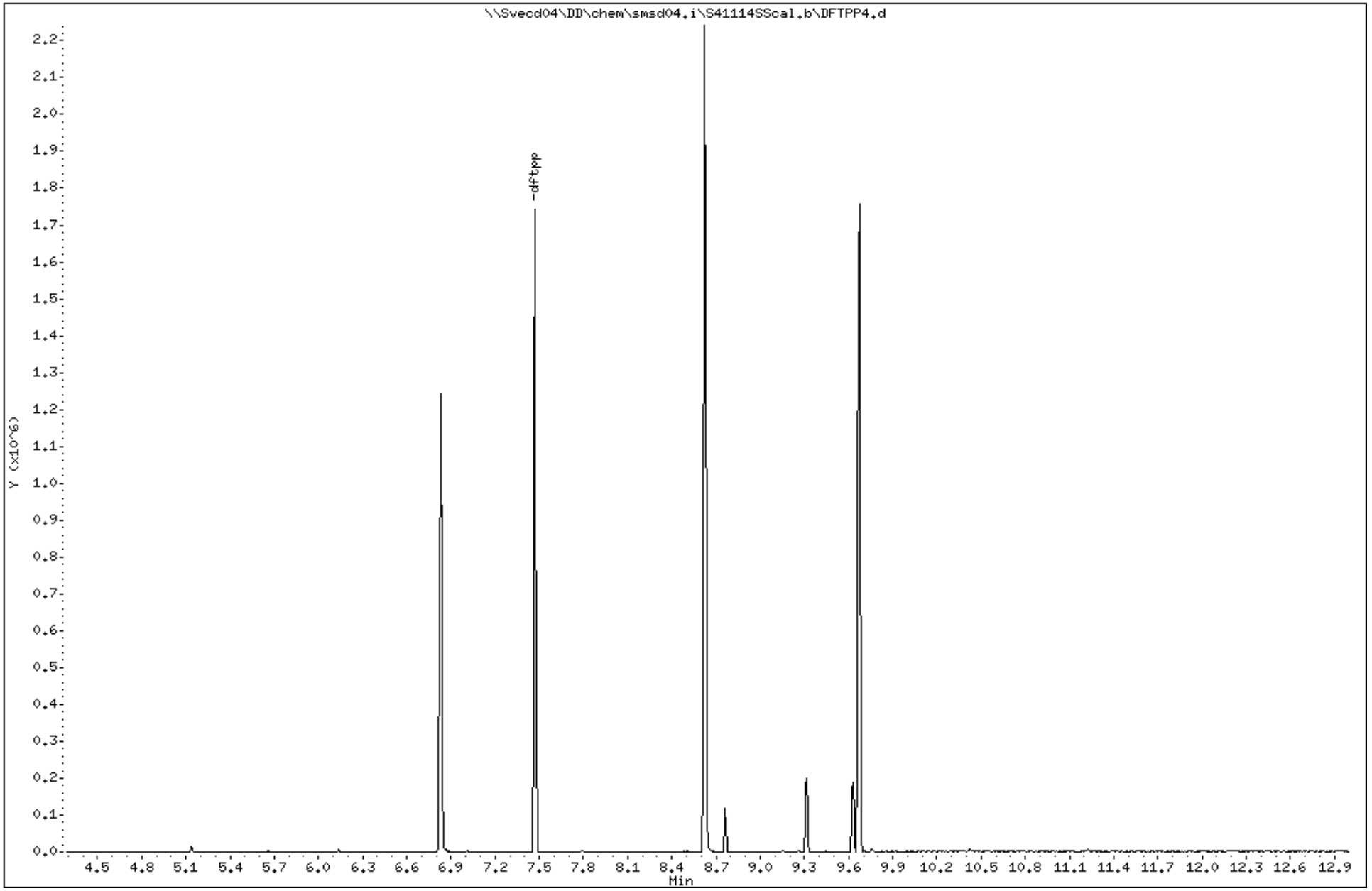
Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d
Lab Smp Id: 47137 Client Smp ID: DFTPP4
Inj Date : 15-NOV-2012 01:43 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47137
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DoDTUN.m
Meth Date : 06-Aug-2012 11:47 Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: WETCHEMDX500

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	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.469	7.410	(0.000)	198	153984			0.00- 100.00	100.00
7.469	7.410	(0.000)	51	66496			10.00- 80.00	43.18
7.469	7.410	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
7.469	7.410	(0.000)	69	84864			0.00- 0.00	55.11
7.469	7.410	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
7.469	7.410	(0.000)	127	76168			10.00- 80.00	49.46
7.469	7.410	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.469	7.410	(0.000)	199	10698			5.00- 9.00	6.95
7.469	7.410	(0.000)	275	38400			10.00- 60.00	24.94
7.469	7.410	(0.000)	365	4584			1.00- 0.00	2.98
7.469	7.410	(0.000)	441	19176			0.01- 24.00	17.08
7.469	7.410	(0.000)	442	112304			50.00- 0.00	72.93
7.469	7.410	(0.000)	443	22312			15.00- 24.00	19.87

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d
Date : 15-NOV-2012 01:43
Client ID: DFTPP4 Instrument: smsd04.i
Sample Info: 47137
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



1007

3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d

Date : 15-NOV-2012 01:43

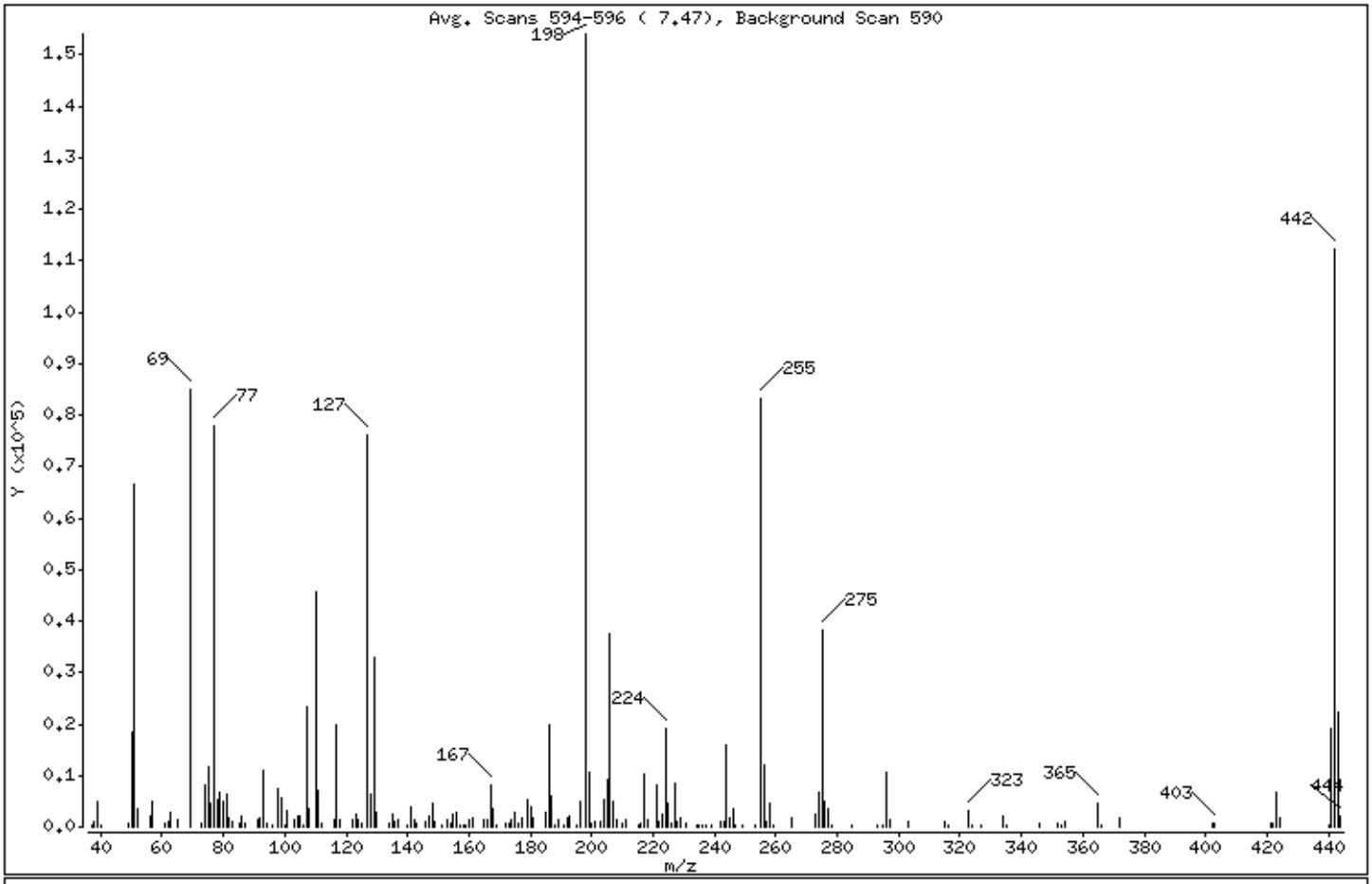
Client ID: DFTPP4 Instrument: smsd04.i

Sample Info: 47137

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	43.18
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	55.11
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	49.46
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.95
275	10.00 - 60.00% of mass 198	24.94
365	Greater than 1.00% of mass 198	2.98
441	0.01 - 24.00% of mass 442	12.45 (17.08)
442	Greater than 50.00% of mass 198	72.93
443	15.00 - 24.00% of mass 442	14.49 (19.87)

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d

Date : 15-NOV-2012 01:43

Client ID: DFTPP4 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP4.d
Spectrum: Avg. Scans 594-596 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	228	116.00	1276	185.00	2999	249.00	294
38.00	931	117.00	19776	186.00	19888	253.00	263
39.00	5003	118.00	1418	187.00	5905	255.00	83200
40.00	229	122.00	1562	188.00	255	256.00	11904
49.00	782	123.00	2550	189.00	1389	257.00	979
50.00	18376	124.00	1256	191.00	506	258.00	4495
51.00	66496	125.00	698	192.00	1829	259.00	507
52.00	3389	127.00	76168	193.00	2044	265.00	1794
56.00	2279	128.00	6314	195.00	328	273.00	2537
57.00	4783	129.00	32968	196.00	5095	274.00	6850
61.00	670	130.00	2692	198.00	153984	275.00	38400
62.00	1238	134.00	800	199.00	10698	276.00	5072
63.00	2917	135.00	2652	200.00	549	277.00	3422
65.00	1252	136.00	1034	201.00	913	278.00	337
69.00	84864	137.00	1463	203.00	1130	285.00	308
73.00	601	140.00	242	204.00	5246	293.00	476
74.00	8254	141.00	3898	205.00	9096	295.00	317
75.00	11712	142.00	1527	206.00	37384	296.00	10646
76.00	4548	143.00	717	207.00	5081	297.00	1592
77.00	78048	146.00	1074	208.00	1306	303.00	1183
78.00	5344	147.00	2042	210.00	603	315.00	1109
79.00	6885	148.00	4582	211.00	1525	316.00	344
80.00	4925	149.00	1060	215.00	248	323.00	3223
81.00	6471	151.00	230	216.00	736	324.00	296
82.00	1694	153.00	1504	217.00	10244	327.00	518
83.00	1231	154.00	729	218.00	1415	334.00	2262
85.00	706	155.00	2373	221.00	7982	335.00	333
86.00	2180	156.00	2870	222.00	896	346.00	580
87.00	785	157.00	454	223.00	2575	352.00	838
91.00	1530	158.00	267	224.00	19184	353.00	283
92.00	1606	159.00	231	225.00	4666	354.00	1097
93.00	10812	160.00	1346	226.00	855	365.00	4584
94.00	575	161.00	1733	227.00	8664	366.00	263
96.00	227	165.00	1389	228.00	1223	372.00	1938
98.00	7526	166.00	1254	229.00	1699	402.00	534

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP4.d

Date : 15-NOV-2012 01:43

Client ID: DFTPP4 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP4.d
Spectrum: Avg. Scans 594-596 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
99.00	5701	167.00	7967	231.00	729	403.00	805
100.00	483	168.00	3593	234.00	221	421.00	717
101.00	3085	169.00	309	235.00	224	422.00	665
103.00	1409	172.00	637	236.00	262	423.00	6593
104.00	2143	173.00	865	237.00	272	424.00	1788
105.00	1974	174.00	1434	239.00	261	440.00	298
106.00	366	175.00	2886	242.00	1172	441.00	19176
107.00	23496	176.00	836	243.00	991	442.00	112304
108.00	3661	177.00	1616	244.00	15985	443.00	22312
110.00	45784	179.00	5317	245.00	1869	444.00	2006
111.00	7086	180.00	3933	246.00	3407		
112.00	646	181.00	1885	247.00	228		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/15/2012 18:38

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SS.b/DFTPP4.d

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 18:05

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP4.d

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d
Lab Smp Id: 47885 Client Smp ID: BSCAL7
Inj Date : 15-NOV-2012 02:01 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47885
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-NOV-2012 09:25 Cal File: AP9CAL7.d
Als bottle: 31 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
3.929	3.929 (0.915)		77	253063	100.000		80.00- 120.00	100.00(aQ)
3.929	3.929 (0.915)		106	208913			52.13- 112.13	82.55
3.929	3.929 (0.915)		51	116873			17.54- 77.54	46.18
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.294	4.294 (1.000)		152	79592	40.0000		80.00- 120.00	100.00
4.294	4.294 (1.000)		115	50430			34.81- 94.81	63.36
4.294	4.294 (1.000)		150	124078			126.51- 186.51	155.89
25 Acetophenone						CAS #: 98-86-2		
4.674	4.675 (0.856)		105	402593	100.000		80.00- 120.00	100.00(Q)
4.674	4.675 (0.856)		77	372084			60.51- 120.51	92.42
4.673	4.674 (0.856)		51	120804			1.60- 61.60	30.01
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.462	5.463 (1.000)		136	273494	40.0000		80.00- 120.00	100.00
5.462	5.463 (1.000)		68	21085			0.00- 37.51	7.71
50 Caprolactam						CAS #: 105-60-2		
5.849	5.836 (1.071)		55	125995	100.000		80.00- 120.00	100.00(aQ)

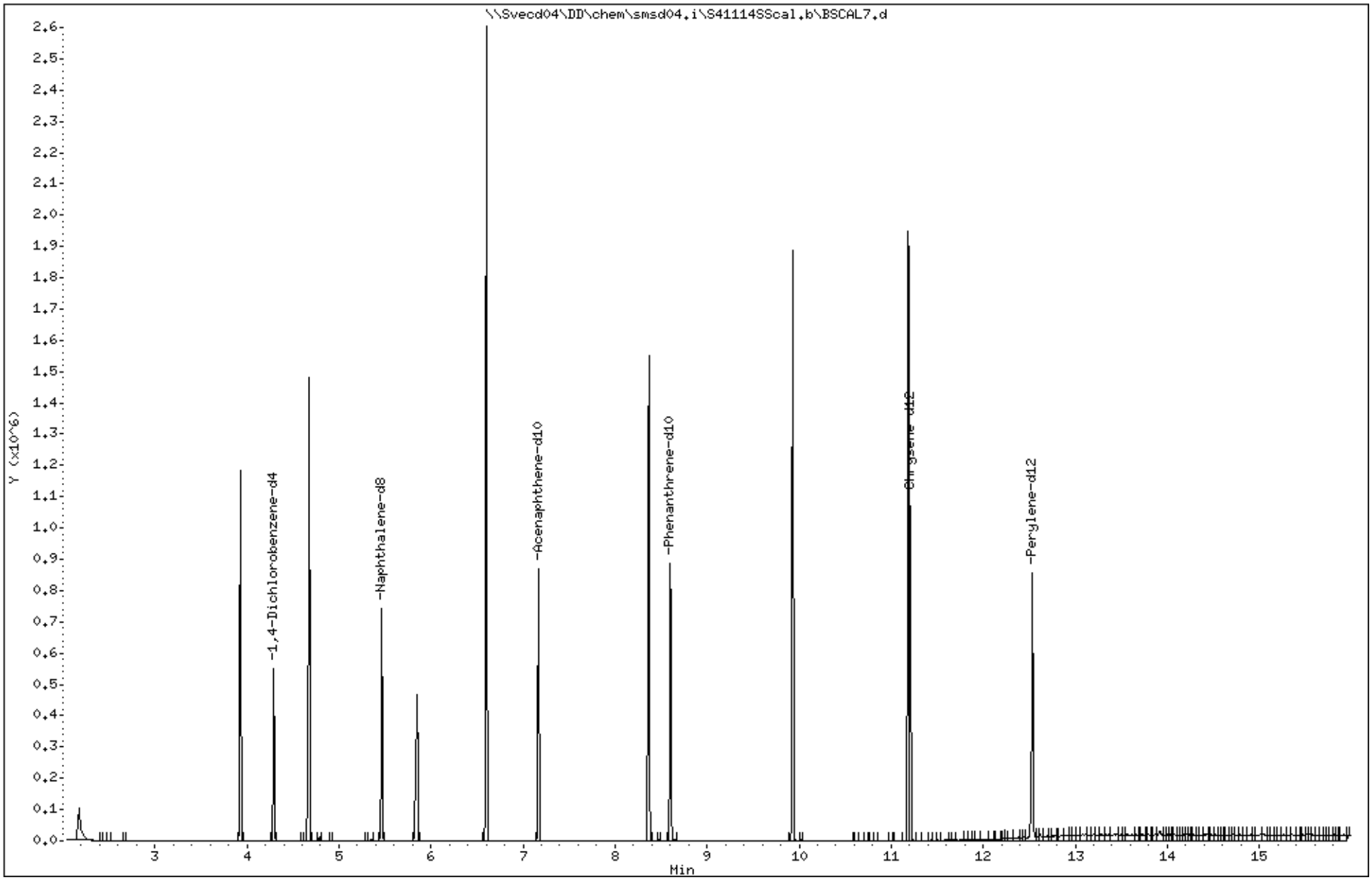
					AMOUNTS			
					CAL-AMT	ON-COL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/ml)	(ug/ml)	TARGET RANGE	RATIO
50 Caprolactam (continued)								
5.849	5.836	(1.071)	113	88809			40.21- 100.21	70.49
5.850	5.836	(1.071)	85	65737			19.92- 79.92	52.17
61 1,1-Biphenyl						CAS #: 92-52-4		
6.598	6.598	(0.921)	154	713405	100.000		80.00- 120.00	100.00(aQ)
6.598	6.597	(0.921)	76	106042			0.00- 46.03	14.86
6.598	6.597	(0.921)	51	51207			0.00- 37.80	7.18
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.166	7.167	(1.000)	164	181519	40.0000		80.00- 120.00	100.00
7.166	7.168	(1.000)	162	172860			66.12- 126.12	95.23
7.166	7.167	(1.000)	160	74384			13.21- 73.21	40.98
95 Atrazine						CAS #: 1912-24-9		
8.370	8.364	(0.973)	200	204925	100.000		80.00- 120.00	100.00(aQ)
8.369	8.363	(0.973)	58	88762			14.20- 74.20	43.31
8.370	8.364	(0.973)	215	105733			20.34- 80.34	51.60
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.600	8.604	(1.000)	188	340006	40.0000		80.00- 120.00	100.00
8.599	8.604	(1.000)	94	35929			0.00- 40.39	10.57
8.599	8.603	(1.000)	80	40182			0.00- 41.55	11.82
110 Benzidine						CAS #: 92-87-5		
9.930	9.927	(0.886)	184	766075	100.000		80.00- 120.00	100.00(aQ)
9.930	9.927	(0.886)	92	66794			0.00- 38.66	8.72
9.930	9.927	(0.886)	185	105476			0.00- 43.92	13.77
122 3,3'-Dichlorobenzidine						CAS #: 91-94-1		
11.185	11.181	(0.998)	252	454278	100.000		80.00- 120.00	100.00(aQ)
11.185	11.181	(0.998)	254	291904			34.93- 94.93	64.26
11.184	11.180	(0.998)	126	51587			0.00- 41.83	11.36
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	388495	40.0000		80.00- 120.00	100.00
11.208	11.210	(1.000)	120	39311			0.00- 40.02	10.12
11.209	11.210	(1.000)	236	95025			0.00- 54.50	24.46
* 130 Perylene-d12						CAS #: 1520-96-3		
12.532	12.532	(1.000)	264	339878	40.0000		80.00- 120.00	100.00
12.532	12.533	(1.000)	260	75191			0.00- 52.70	22.12
12.532	12.532	(1.000)	265	74084			0.00- 52.11	21.80

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d
Date : 15-NOV-2012 02:01
Client ID: BSCAL7
Sample Info: 47885

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

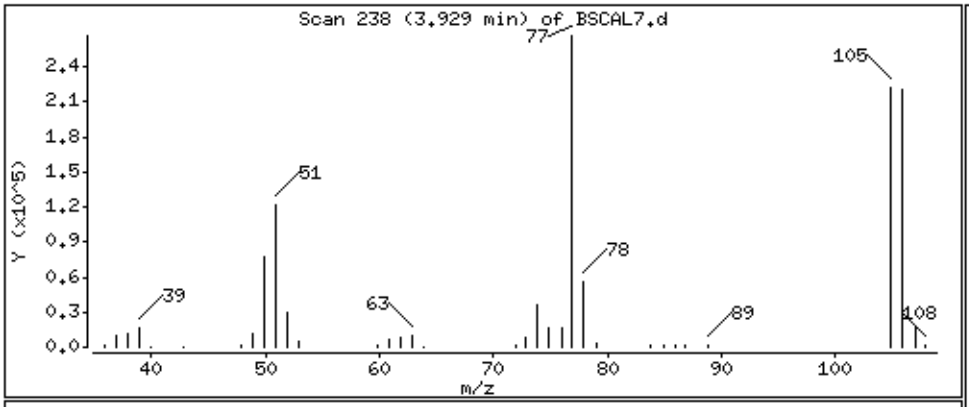
Sample Info: 47885

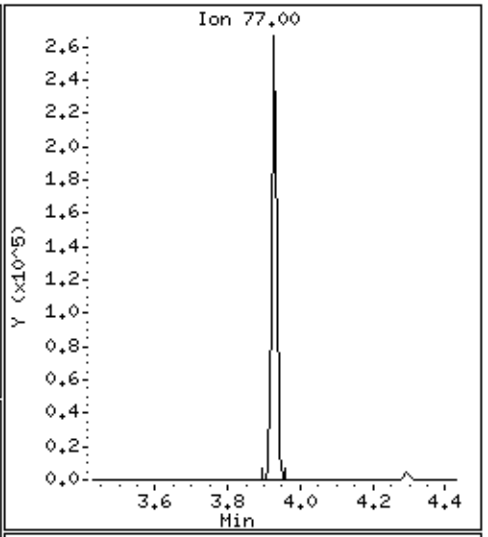
Operator: MJ

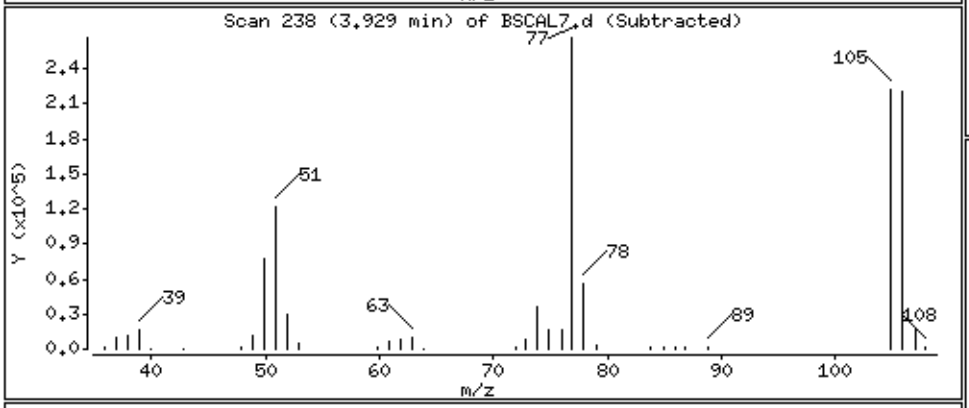
Column phase: HPMS-5

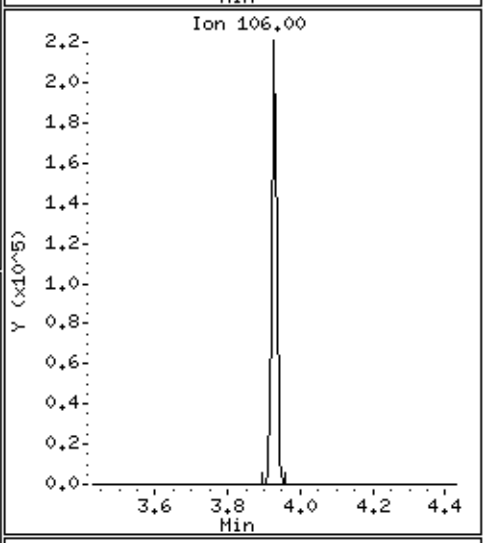
Column diameter: 0.25

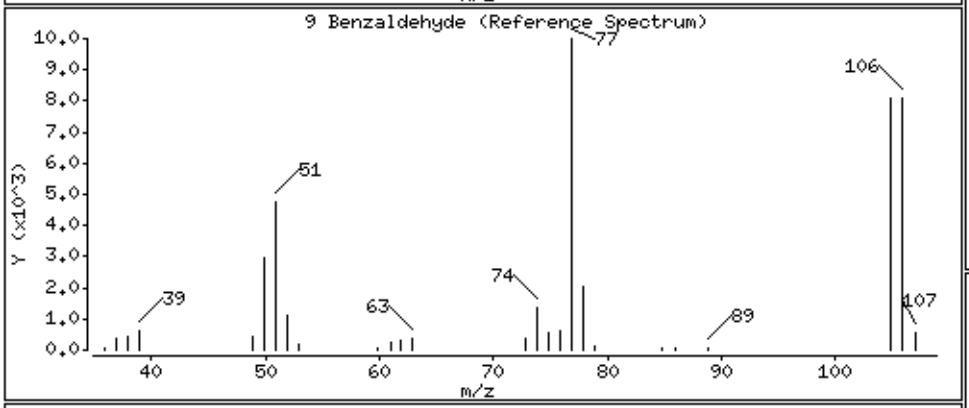
9 Benzaldehyde

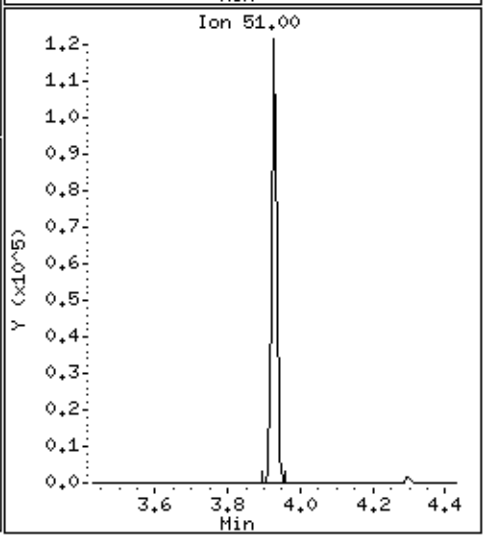


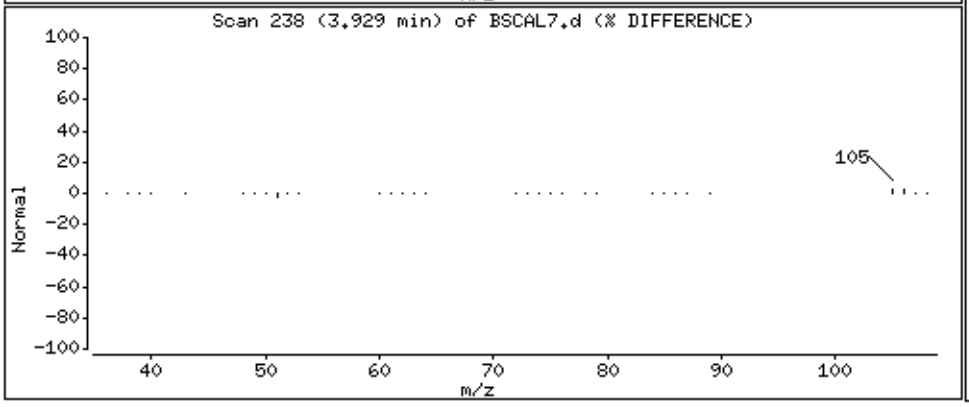












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

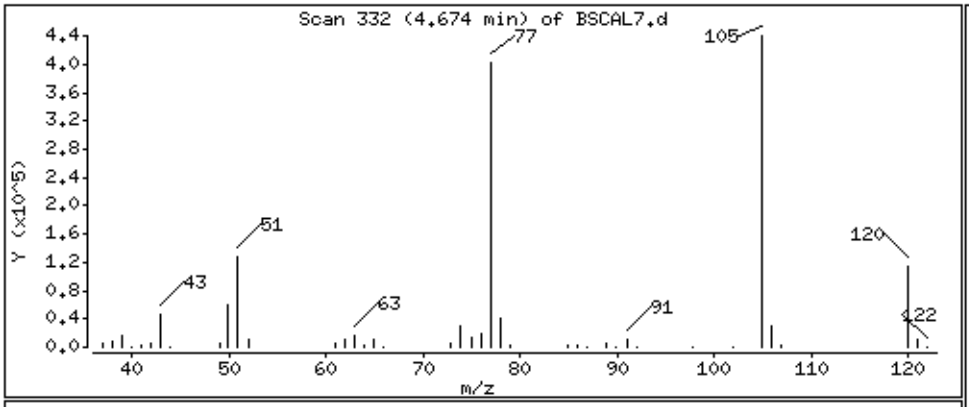
Sample Info: 47885

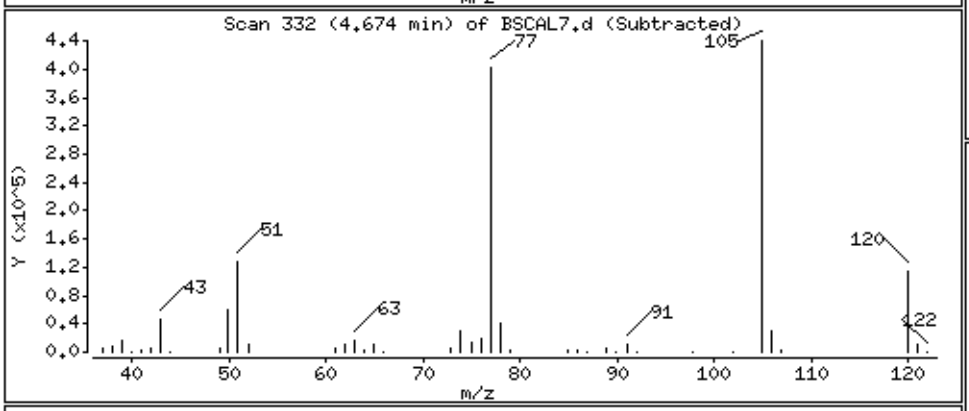
Operator: MJ

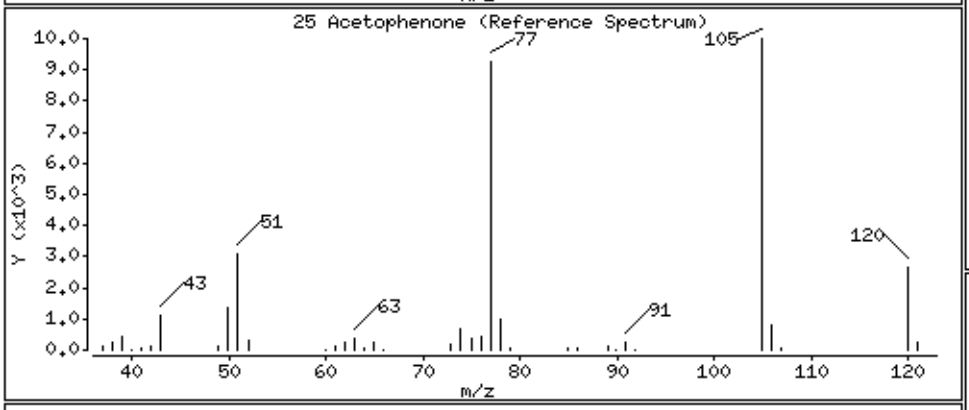
Column phase: HPMS-5

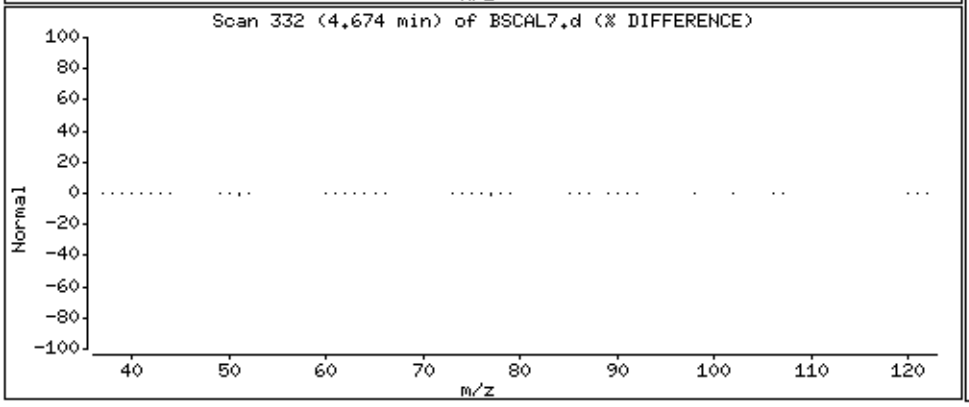
Column diameter: 0.25

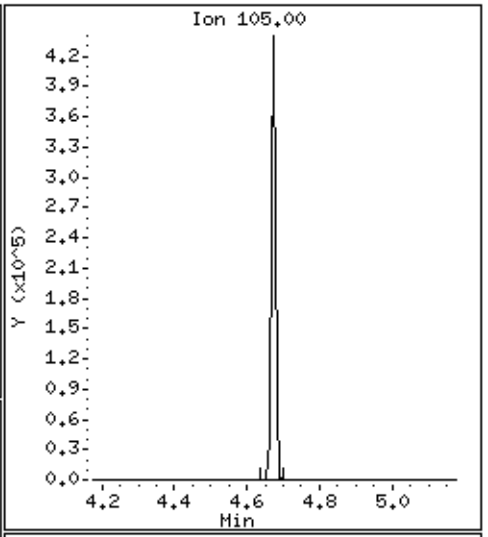
25 Acetophenone

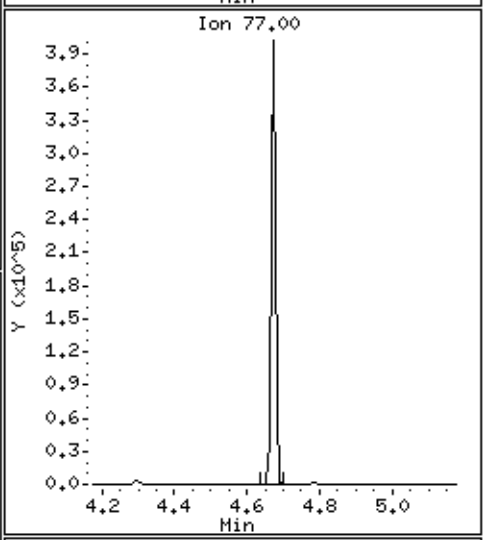


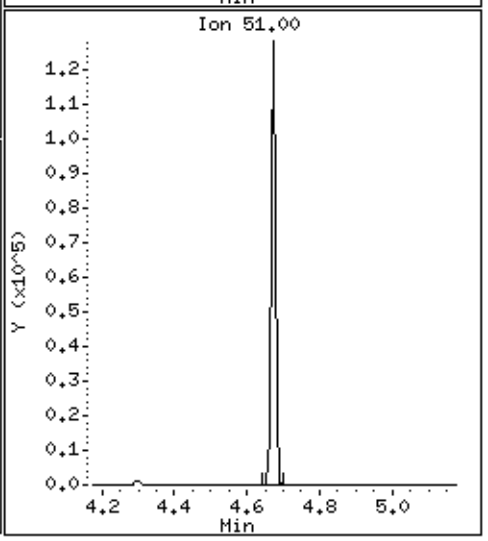












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

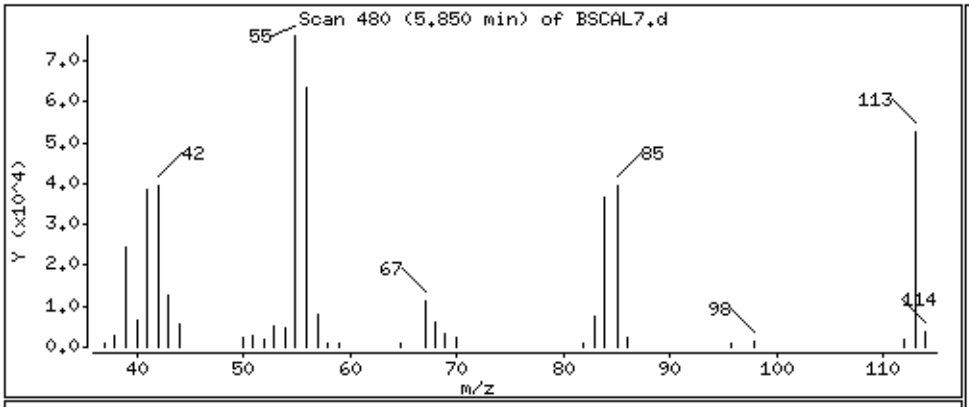
Sample Info: 47885

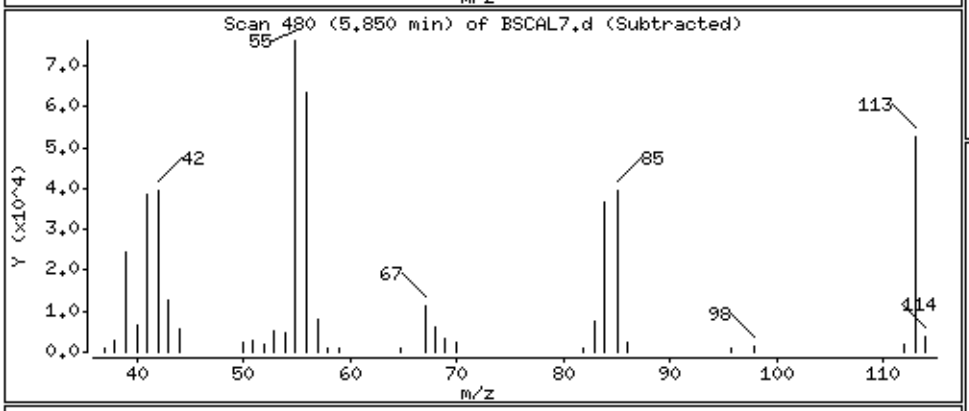
Operator: MJ

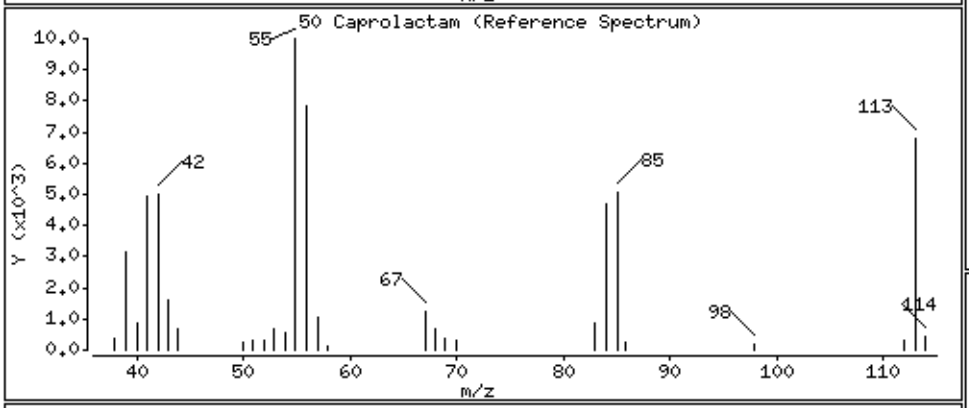
Column phase: HPMS-5

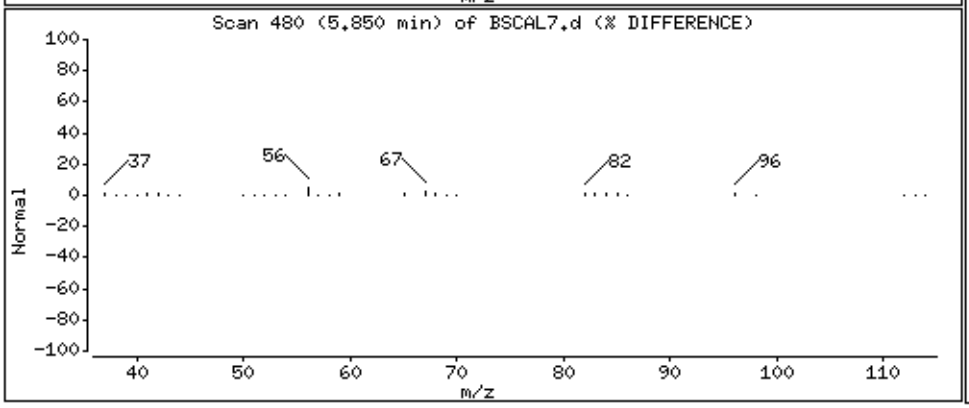
Column diameter: 0.25

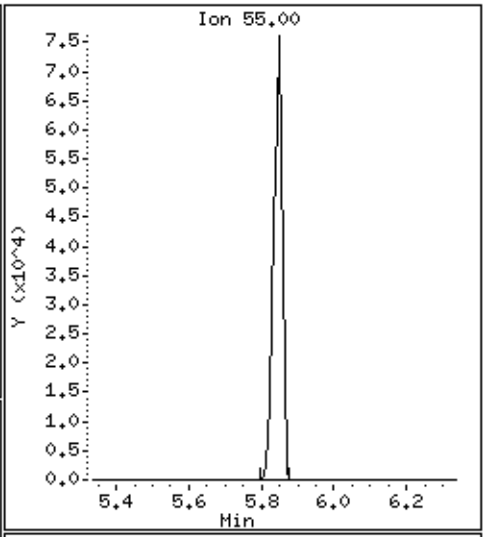
50 Caprolactam

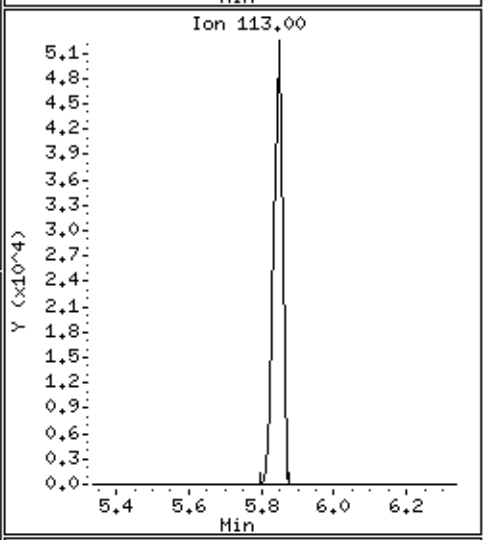


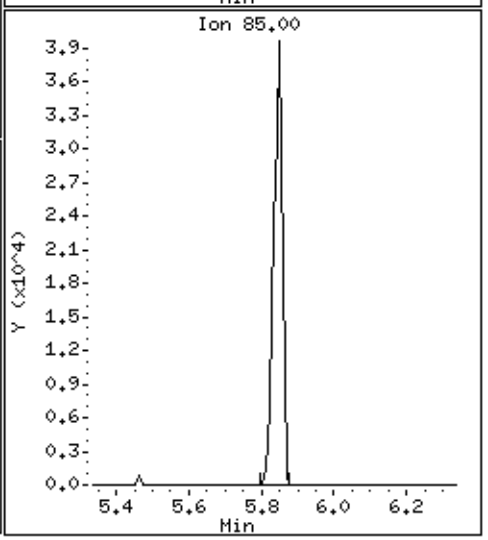












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

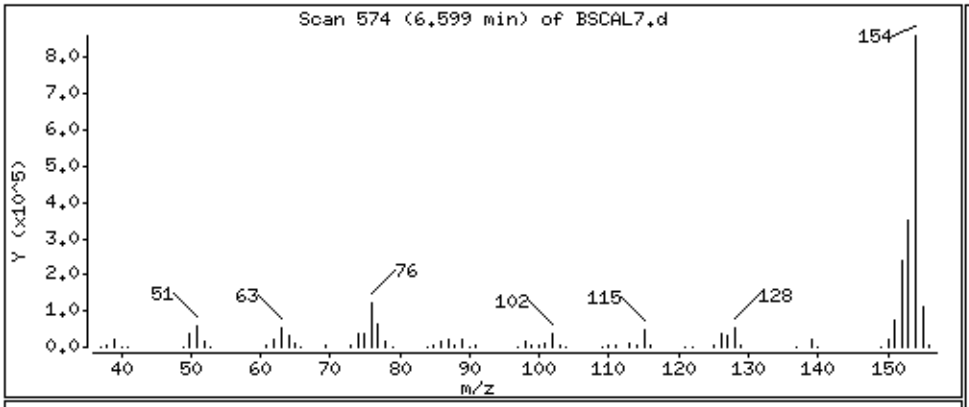
Sample Info: 47885

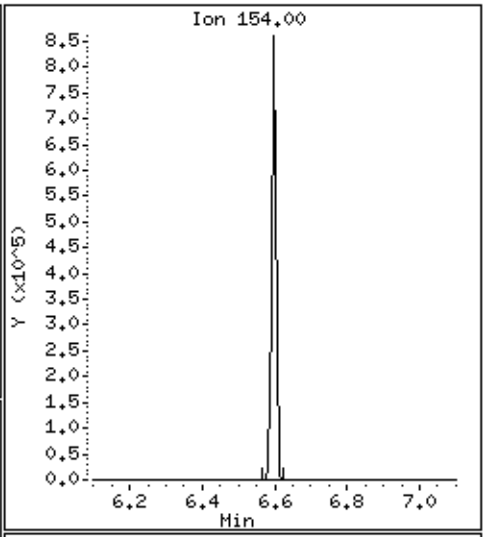
Operator: MJ

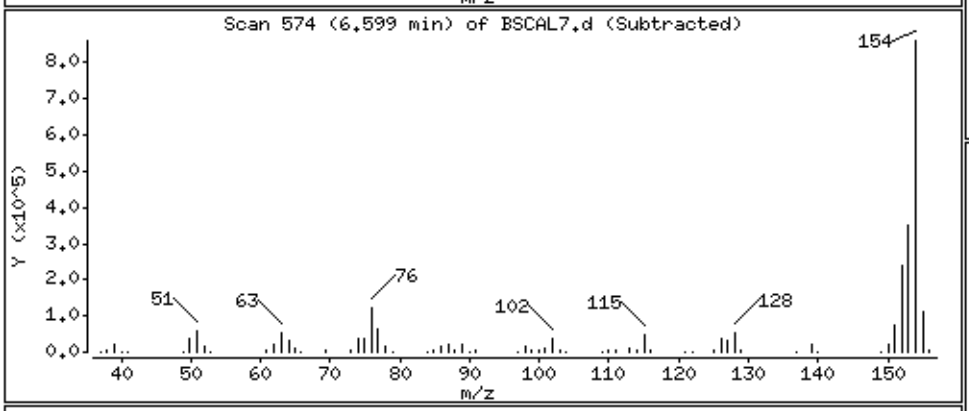
Column phase: HPMS-5

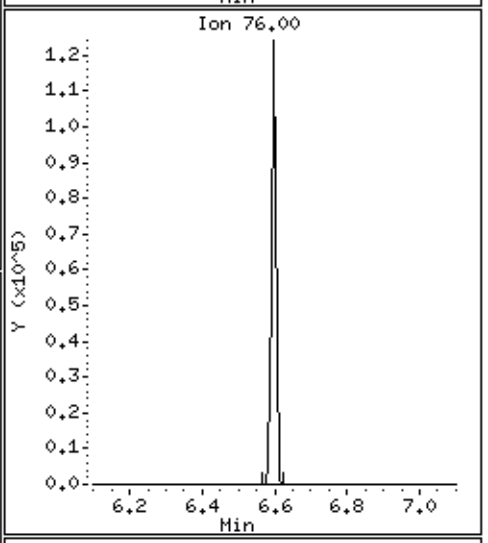
Column diameter: 0.25

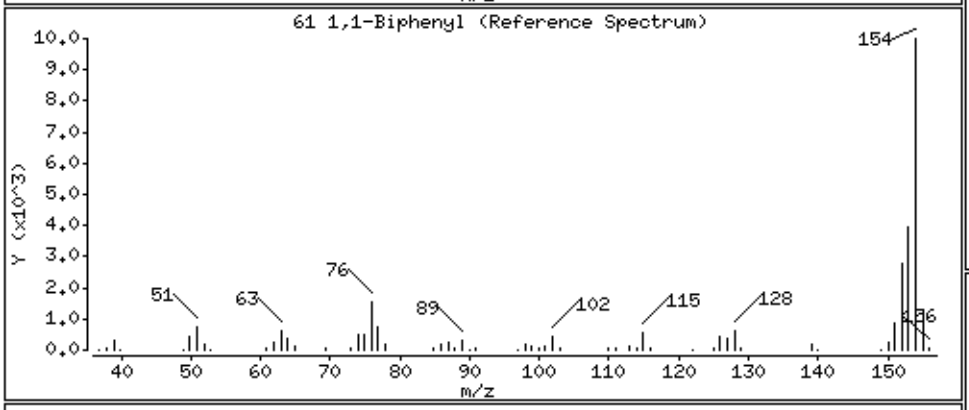
61 1,1-Biphenyl

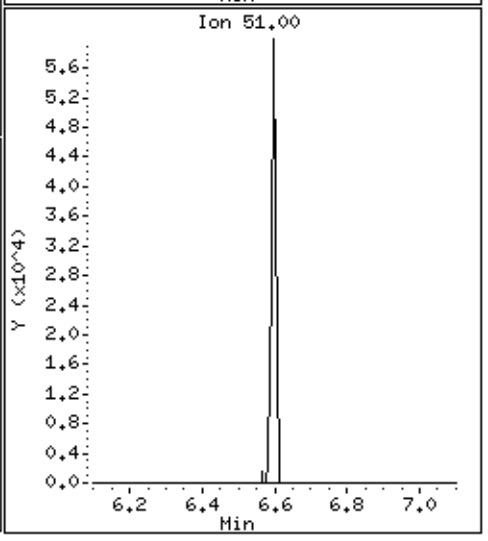


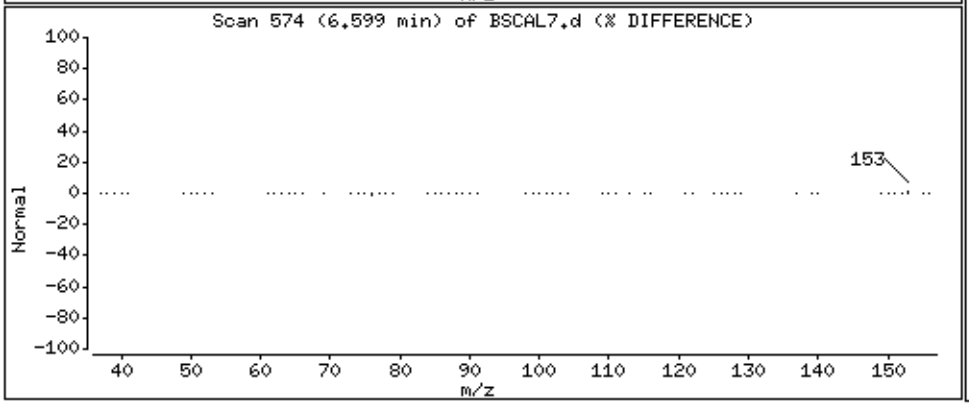












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

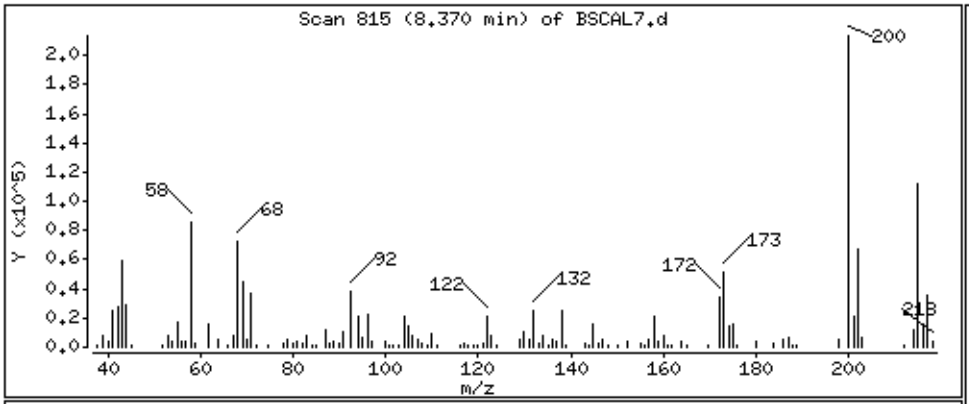
Sample Info: 47885

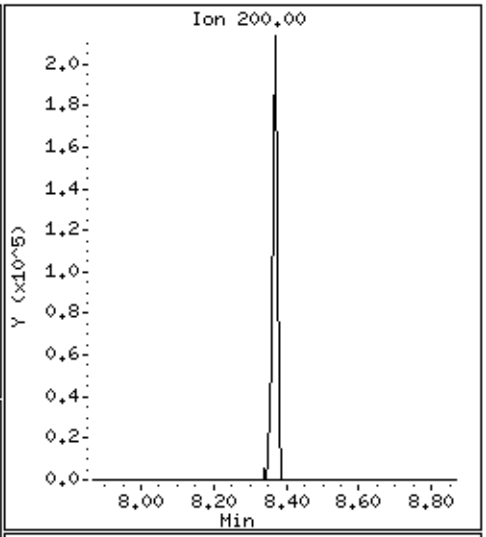
Operator: MJ

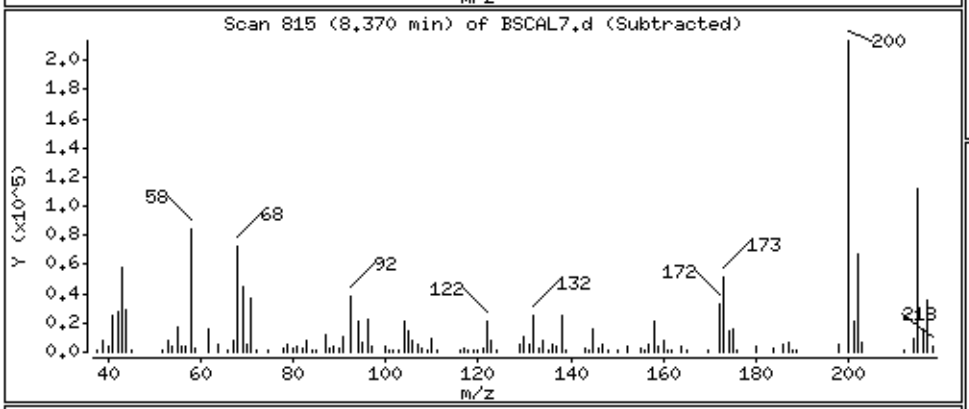
Column phase: HPMS-5

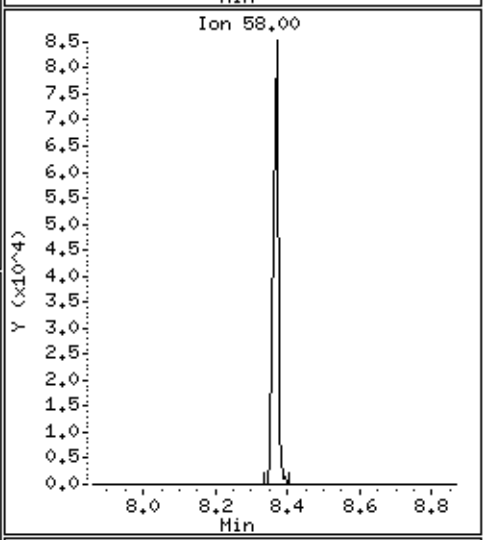
Column diameter: 0.25

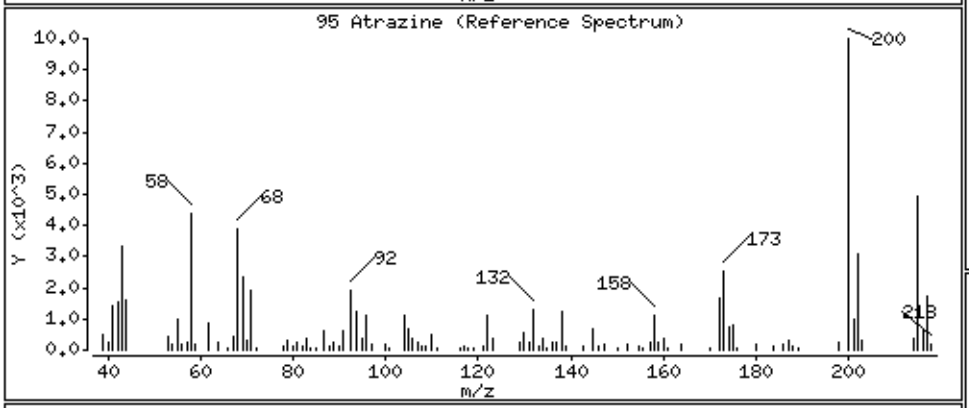
95 Atrazine

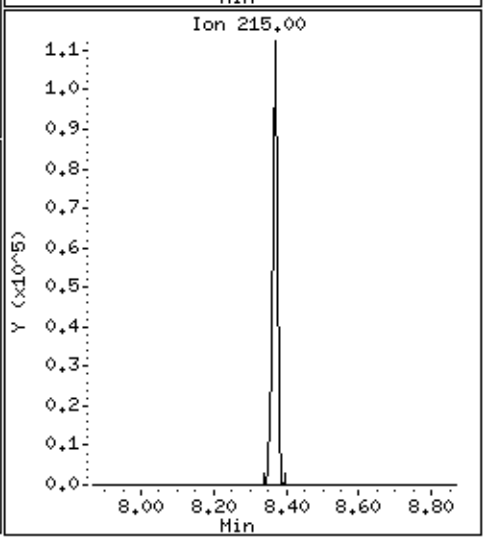


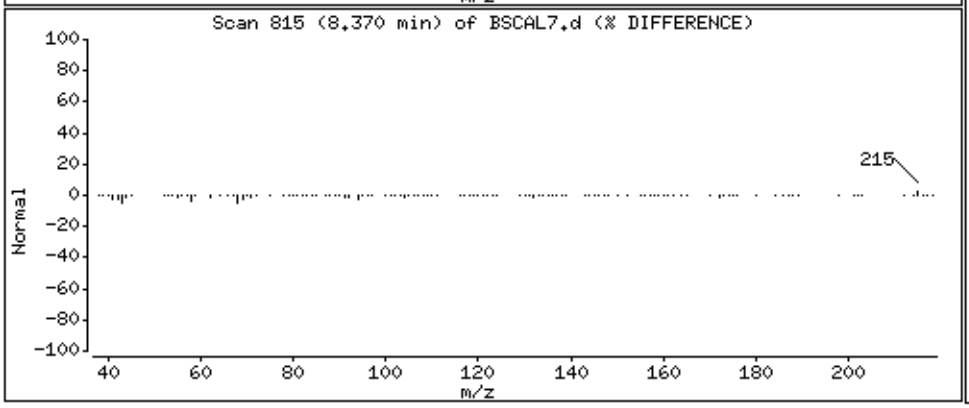












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

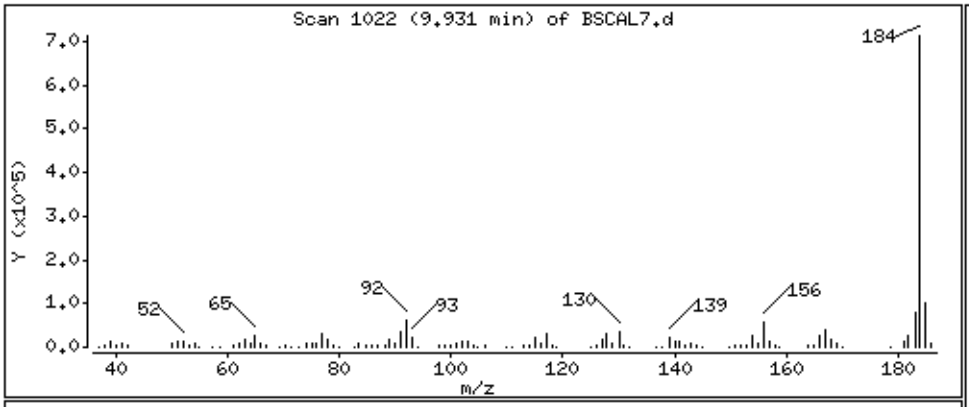
Sample Info: 47885

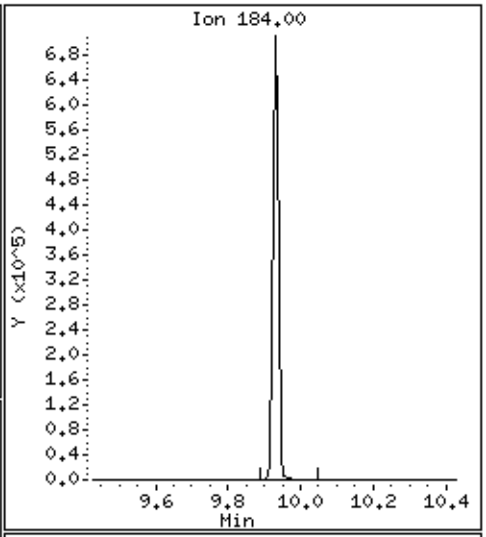
Operator: MJ

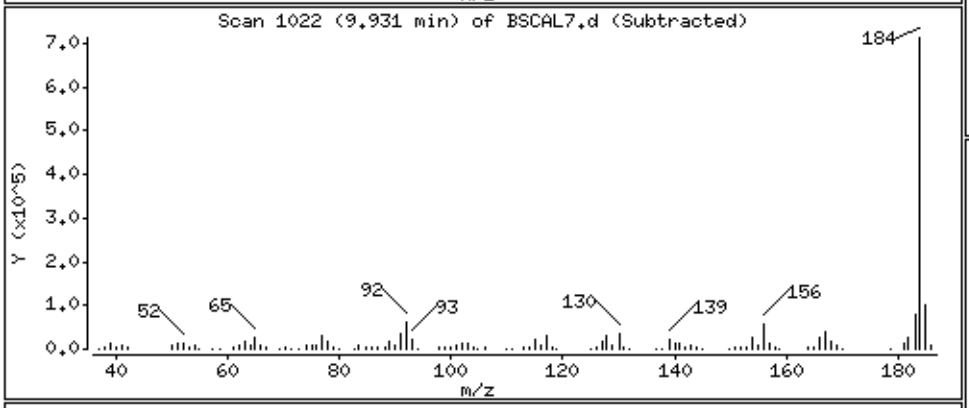
Column phase: HPMS-5

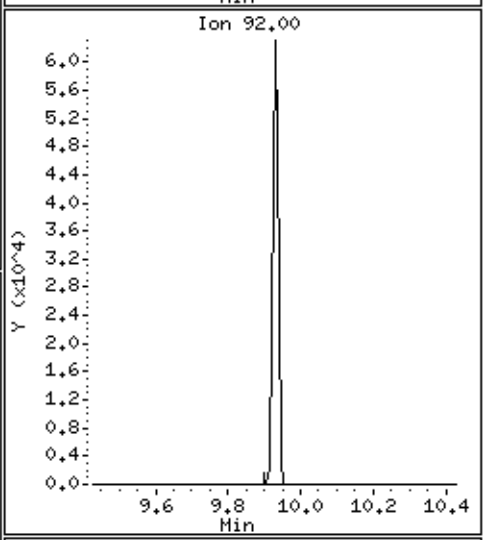
Column diameter: 0.25

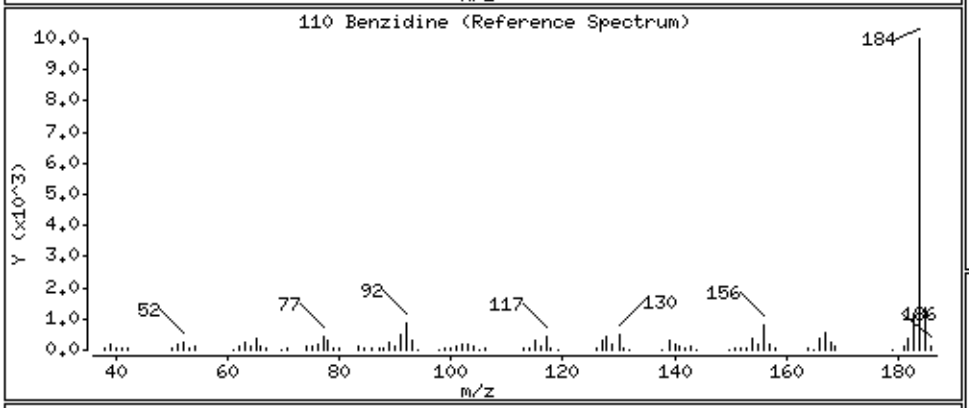
110 Benzidine

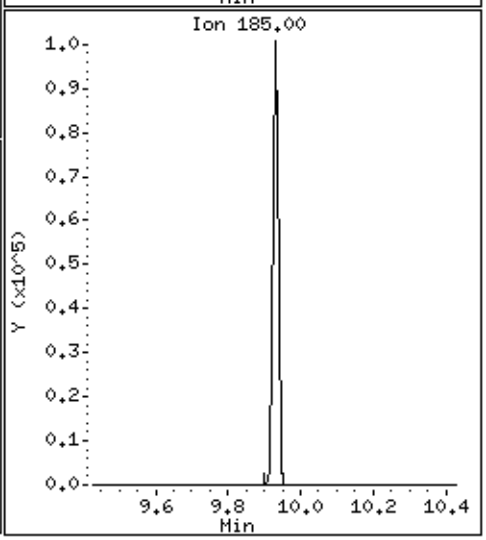


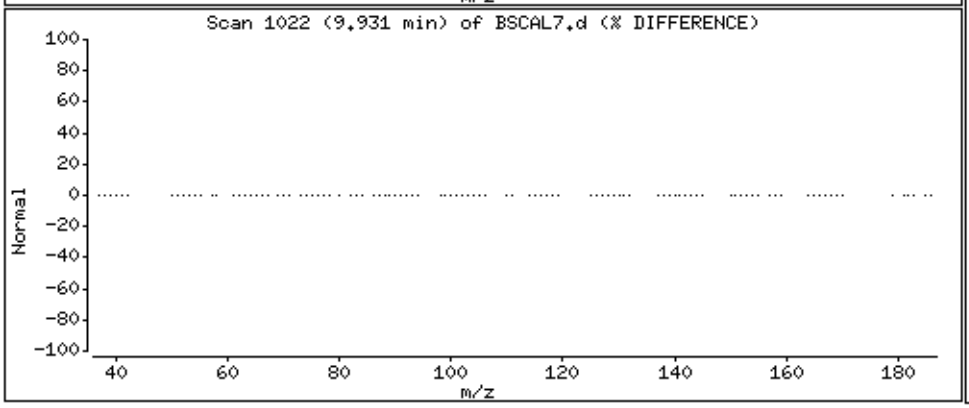












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL7.d

Date : 15-NOV-2012 02:01

Client ID: BSCAL7

Instrument: smsd04.i

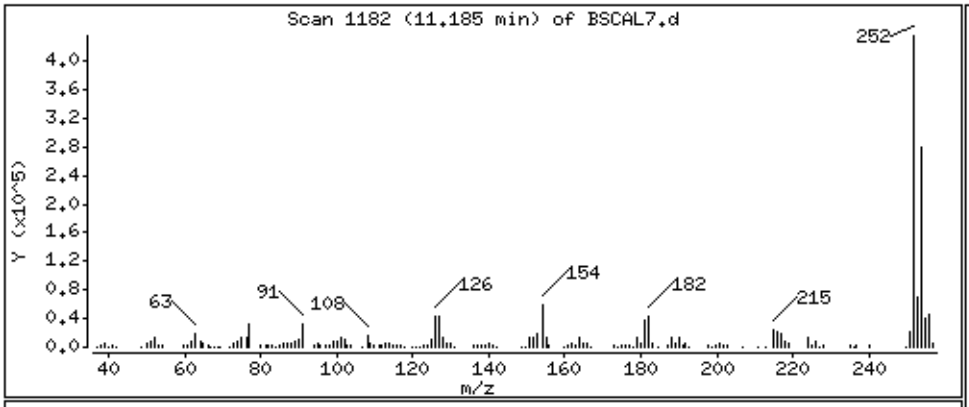
Sample Info: 47885

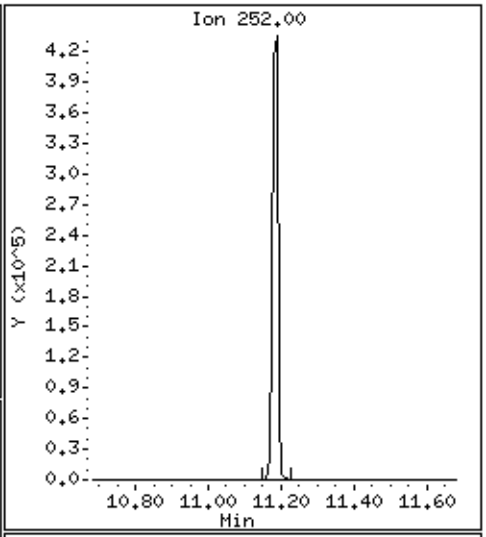
Operator: MJ

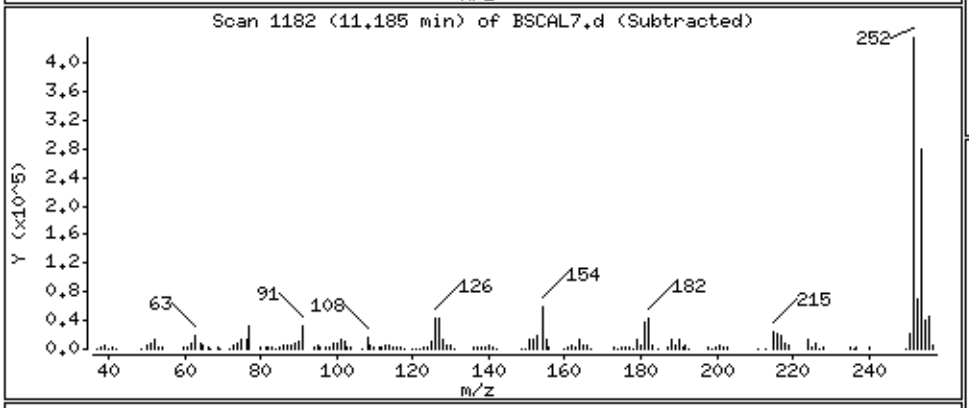
Column phase: HPMS-5

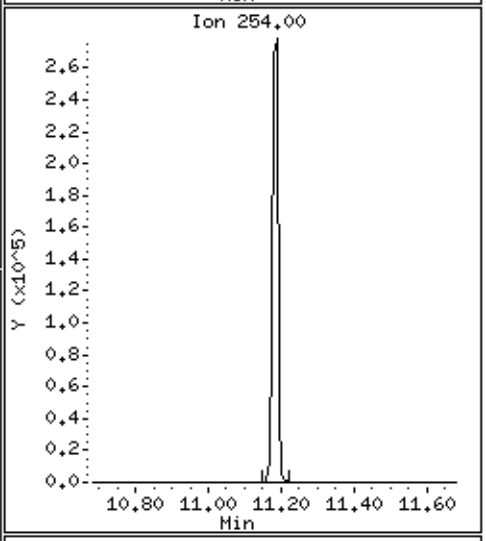
Column diameter: 0.25

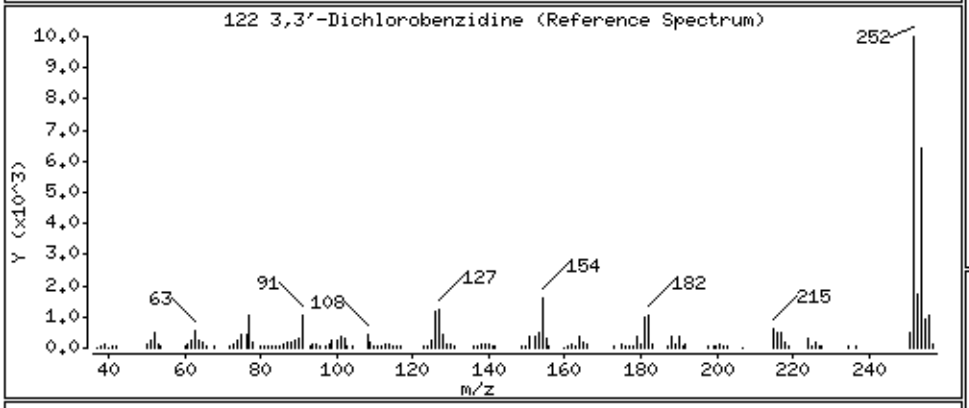
122 3,3'-Dichlorobenzidine

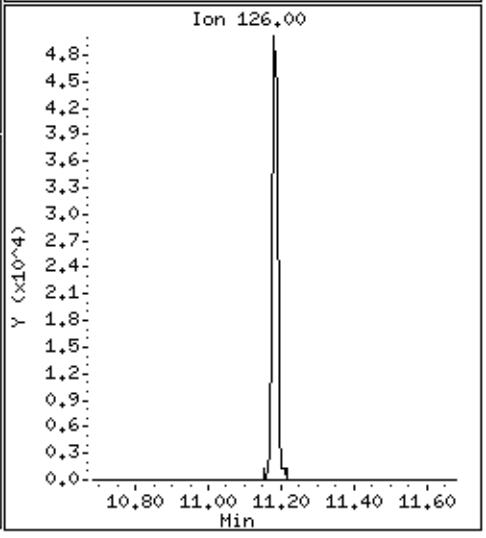


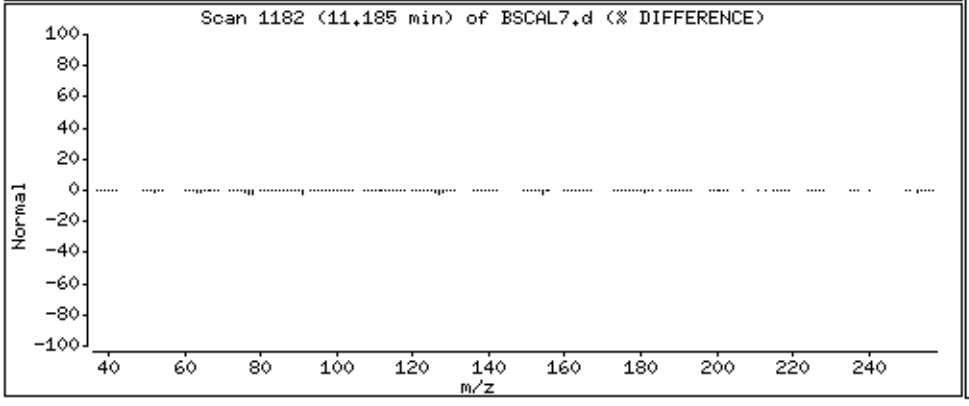












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d
Lab Smp Id: 47962 Client Smp ID: BSCAL6
Inj Date : 15-NOV-2012 02:22 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47962
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-NOV-2012 09:46 Cal File: AP9CAL6.d
Als bottle: 32 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
3.929	3.929 (0.915)		77	211075	75.0000	75.7	80.00- 120.00	100.00(a)
3.929	3.929 (0.915)		106	169721			52.13- 112.13	80.41
3.929	3.929 (0.915)		51	97774			17.54- 77.54	46.32
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.295	4.294 (1.000)		152	87729	40.0000		80.00- 120.00	100.00
4.295	4.294 (1.000)		115	56482			34.81- 94.81	64.38
4.295	4.294 (1.000)		150	137588			126.51- 186.51	156.83
25 Acetophenone						CAS #: 98-86-2		
4.674	4.675 (0.856)		105	319904	75.0000	74.0	80.00- 120.00	100.00
4.674	4.675 (0.856)		77	292999			60.51- 120.51	91.59
4.673	4.674 (0.856)		51	99086			1.60- 61.60	30.97
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.463	5.463 (1.000)		136	293859	40.0000		80.00- 120.00	100.00
5.462	5.463 (1.000)		68	21898			0.00- 37.51	7.45
50 Caprolactam						CAS #: 105-60-2		
5.845	5.836 (1.070)		55	96152	75.0000	71.0	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
	50 Caprolactam (continued)							
5.846	5.836	(1.070)	113	65688			40.21- 100.21	68.32
5.846	5.836	(1.070)	85	50050			19.92- 79.92	52.05
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.598	6.598	(0.921)	154	547983	75.0000	75.2	80.00- 120.00	100.00(a)
6.598	6.597	(0.921)	76	82802			0.00- 46.03	15.11
6.598	6.597	(0.921)	51	39965			0.00- 37.80	7.29
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.167	7.167	(1.000)	164	185332	40.0000		80.00- 120.00	100.00
7.167	7.168	(1.000)	162	177374			66.12- 126.12	95.71
7.167	7.167	(1.000)	160	81072			13.21- 73.21	43.74
	95 Atrazine					CAS #: 1912-24-9		
8.366	8.364	(0.973)	200	149900	75.0000	73.1	80.00- 120.00	100.00(a)
8.366	8.363	(0.973)	58	67762			14.20- 74.20	45.20
8.367	8.364	(0.973)	215	77823			20.34- 80.34	51.92
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.600	8.604	(1.000)	188	340117	40.0000		80.00- 120.00	100.00
8.599	8.604	(1.000)	94	35741			0.00- 40.39	10.51
8.599	8.603	(1.000)	80	40118			0.00- 41.55	11.80
	110 Benzidine					CAS #: 92-87-5		
9.928	9.927	(0.886)	184	540401	75.0000	73.5	80.00- 120.00	100.00(a)
9.928	9.927	(0.886)	92	46749			0.00- 38.66	8.65
9.928	9.927	(0.886)	185	76772			0.00- 43.92	14.21
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.182	11.181	(0.998)	252	318278	75.0000	73.0	80.00- 120.00	100.00(a)
11.182	11.181	(0.998)	254	199675			34.93- 94.93	62.74
11.181	11.180	(0.998)	126	36643			0.00- 41.83	11.51
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	372733	40.0000		80.00- 120.00	100.00
11.208	11.210	(1.000)	120	37338			0.00- 40.02	10.02
11.209	11.210	(1.000)	236	90628			0.00- 54.50	24.31
*	130 Perylene-d12					CAS #: 1520-96-3		
12.531	12.532	(1.000)	264	333566	40.0000		80.00- 120.00	100.00
12.531	12.533	(1.000)	260	75053			0.00- 52.70	22.50
12.531	12.532	(1.000)	265	70171			0.00- 52.11	21.04

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecdo4\DD\chem\smsdo4.i\S411145Sca1.b\BSCAL6.d
Date : 15-NOV-2012 02:22
Client ID: BSCAL6
Sample Info: 47962

Column phase: HPMS-5

Instrument: smsdo4.i

Operator: MJ
Column diameter: 0.25

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

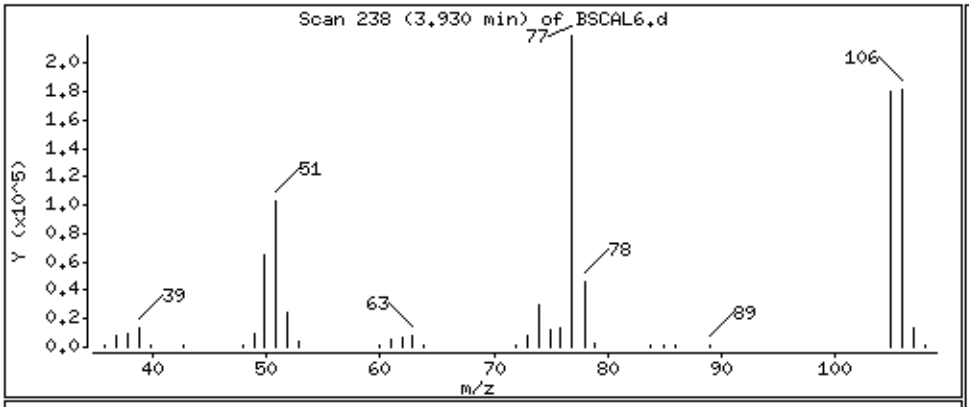
Operator: MJ

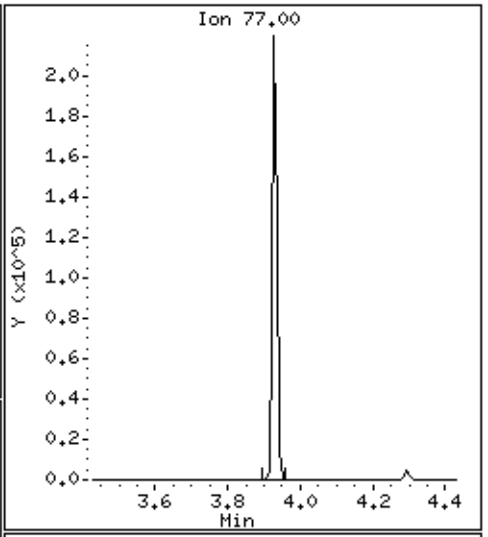
Column phase: HPMS-5

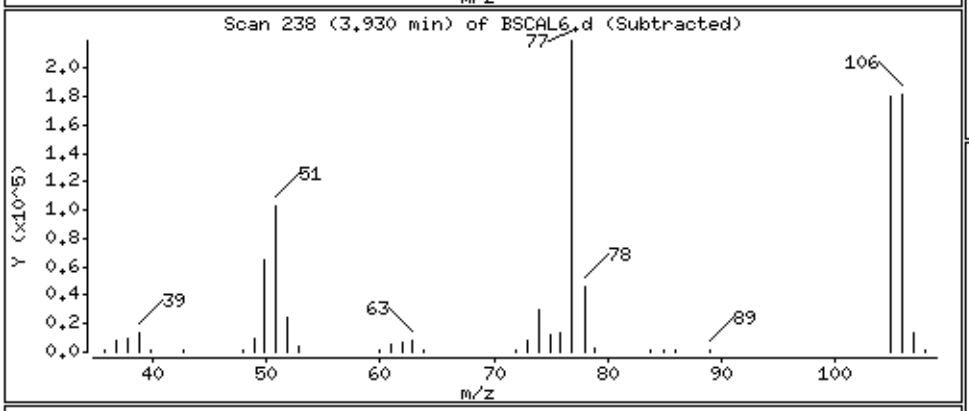
Column diameter: 0.25

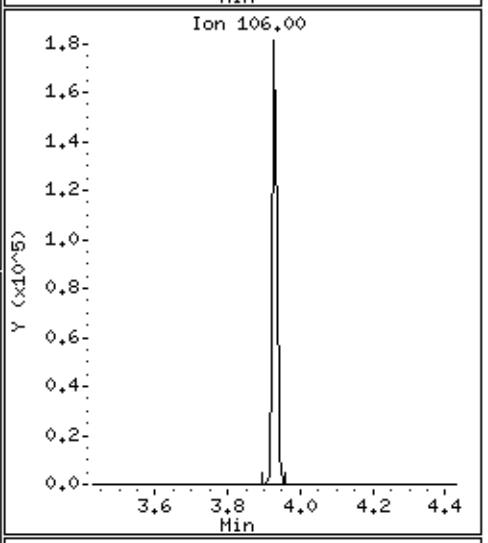
9 Benzaldehyde

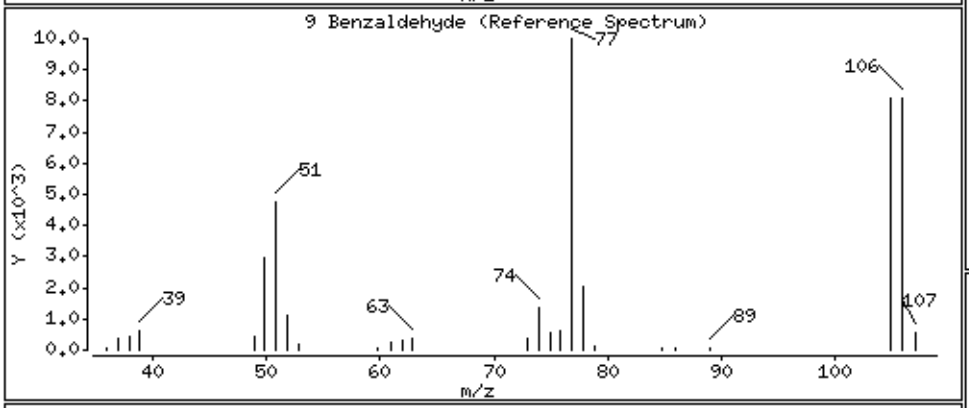
Concentration: 75.7 ug/kg

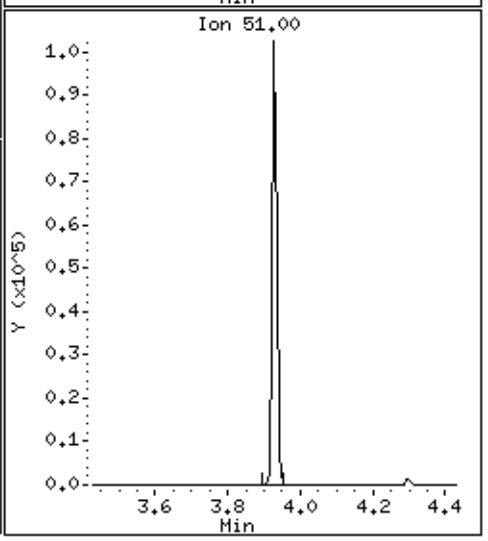


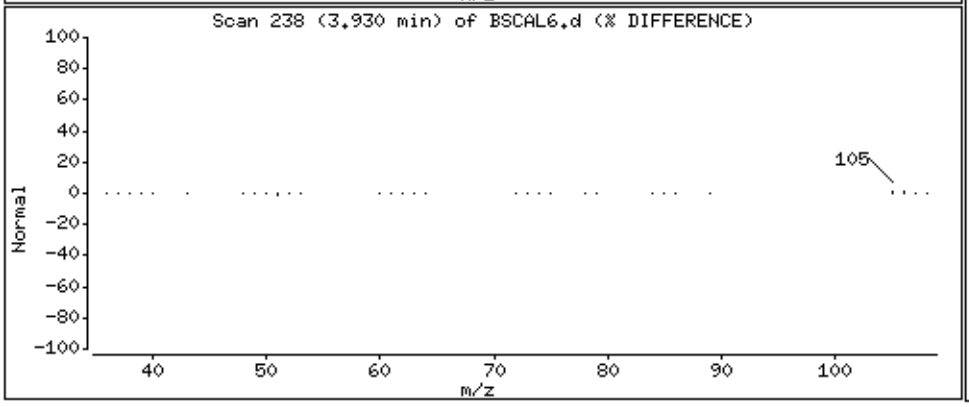












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

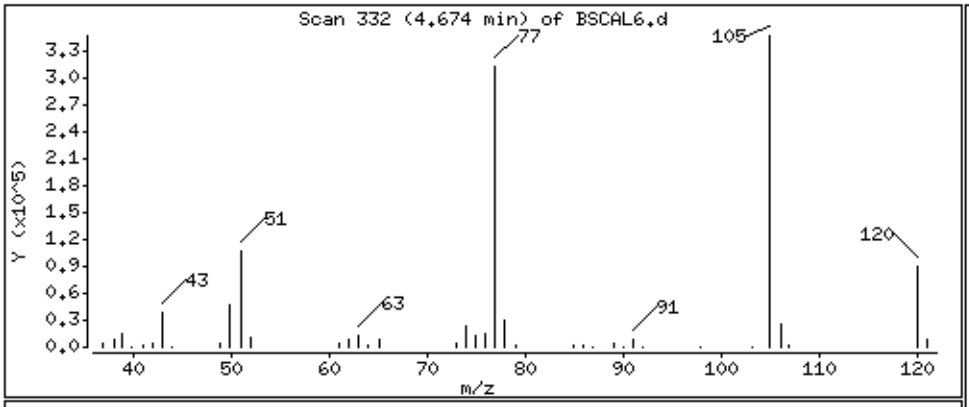
Operator: MJ

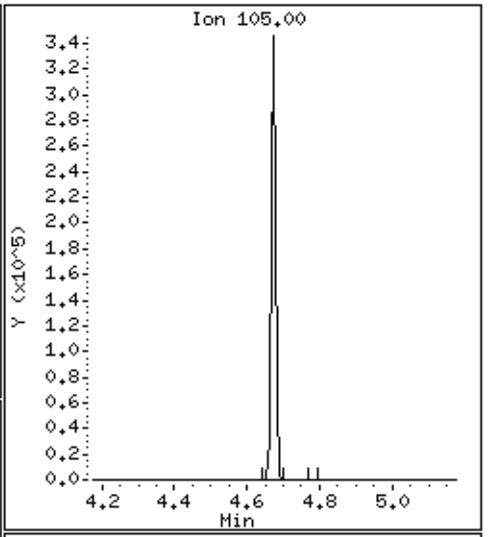
Column phase: HPMS-5

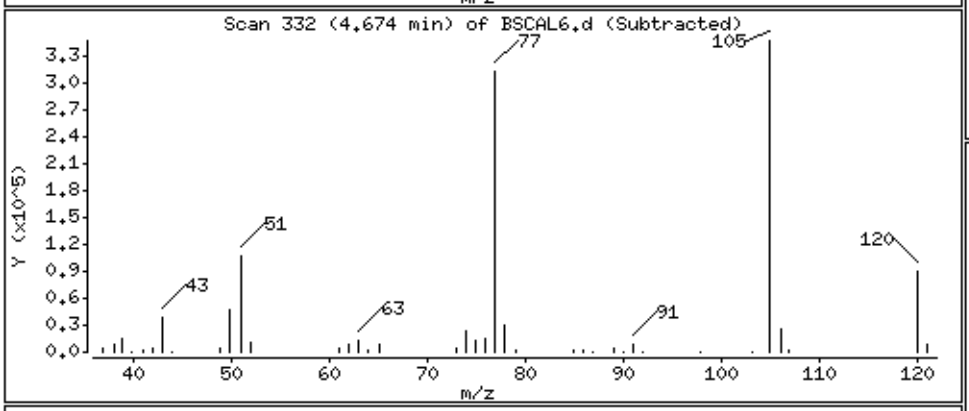
Column diameter: 0.25

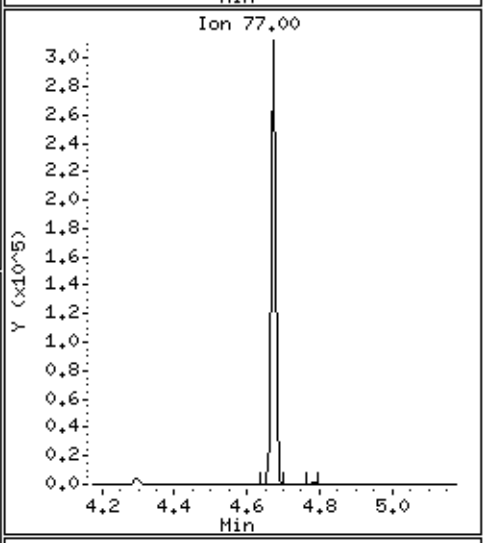
25 Acetophenone

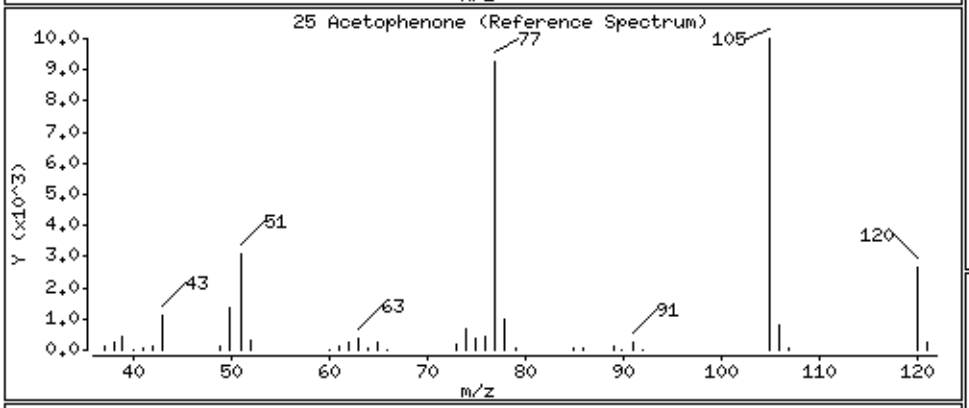
Concentration: 74.0 ug/kg

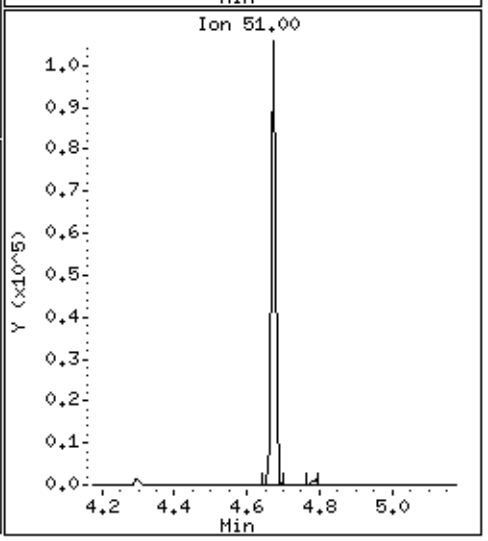


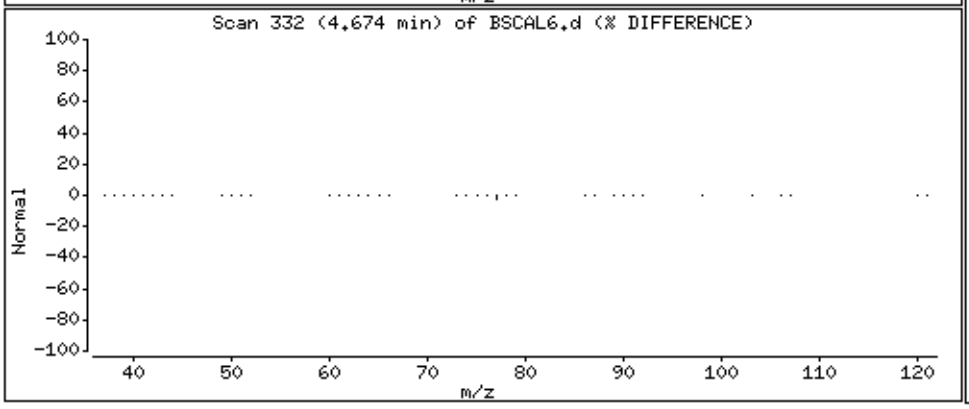












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

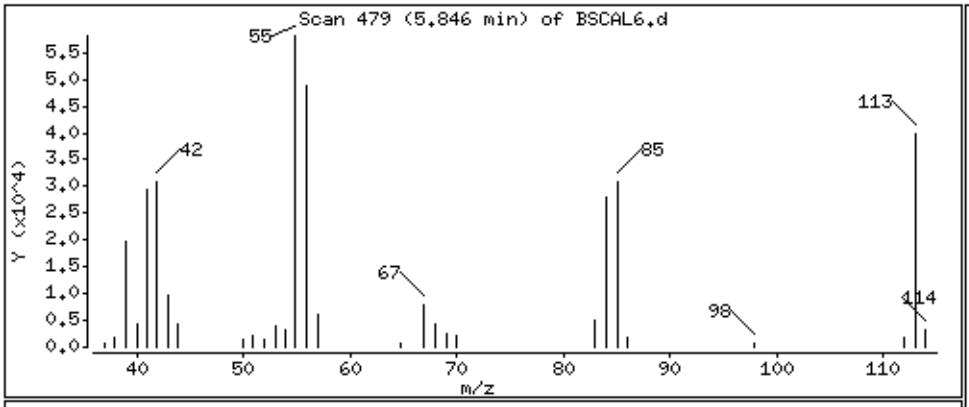
Operator: MJ

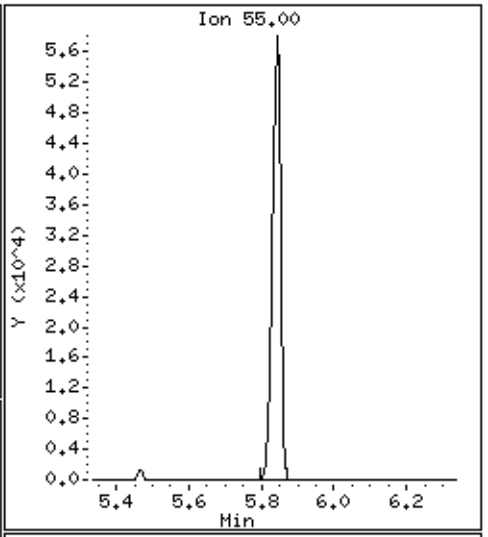
Column phase: HPMS-5

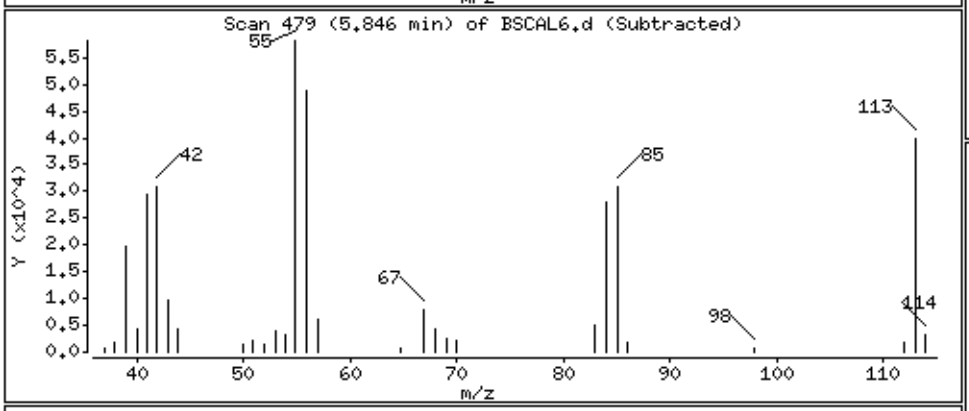
Column diameter: 0.25

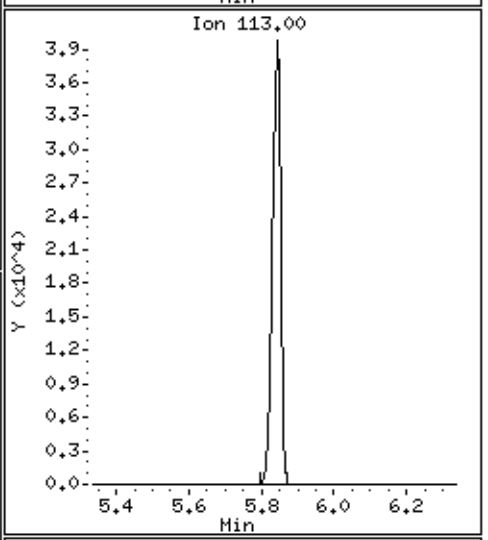
50 Caprolactam

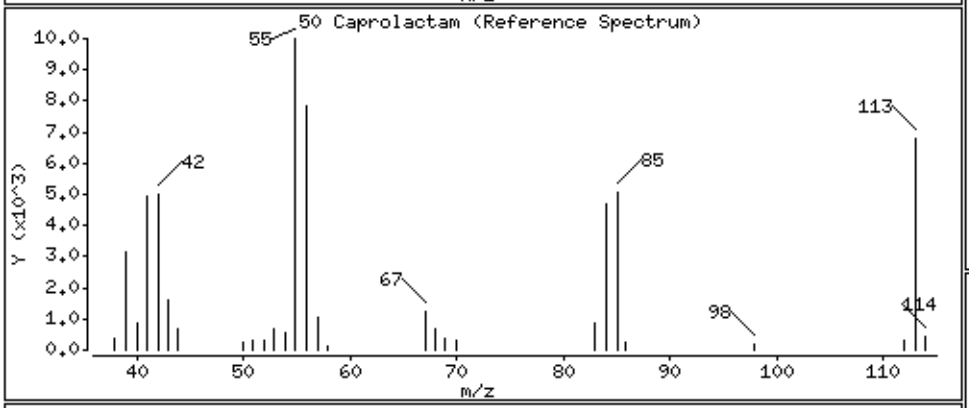
Concentration: 71.0 ug/kg

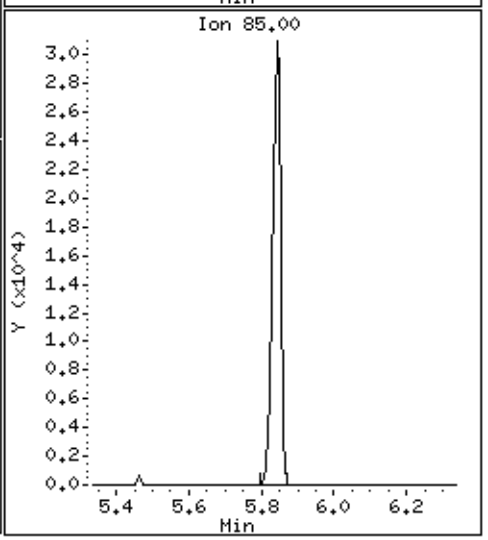


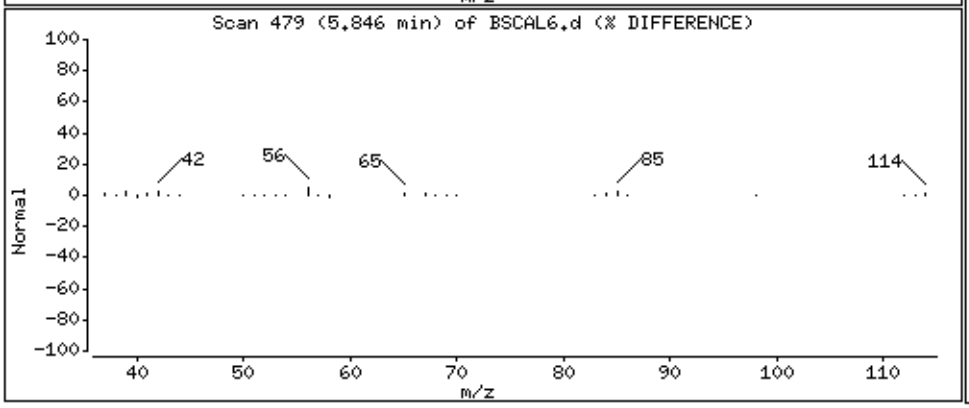












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

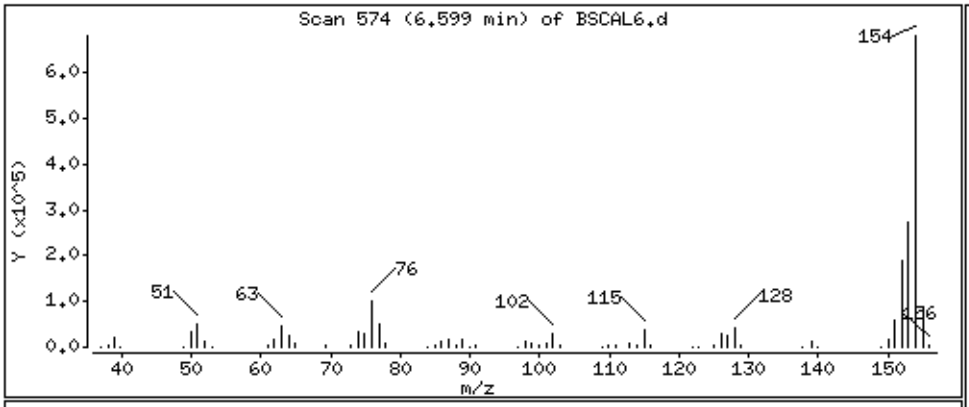
Operator: MJ

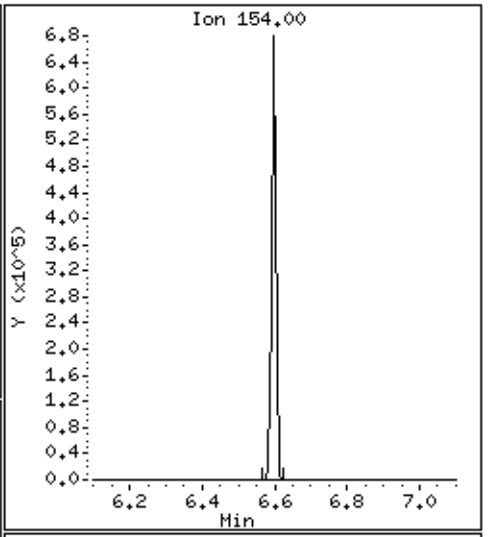
Column phase: HPMS-5

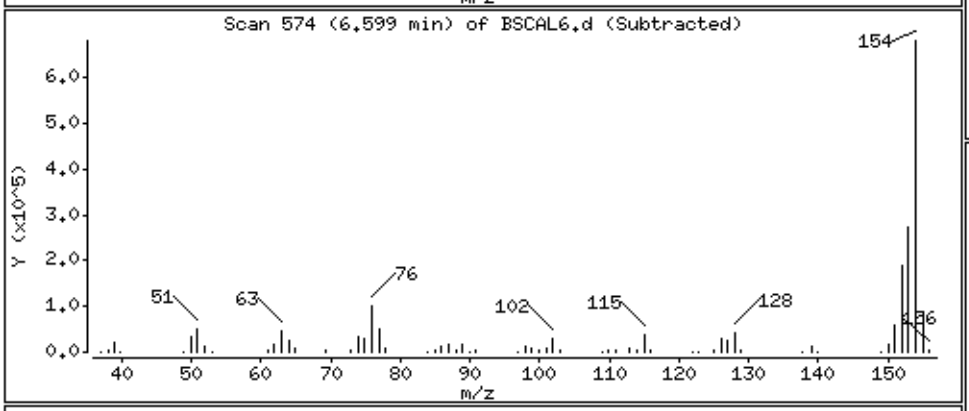
Column diameter: 0.25

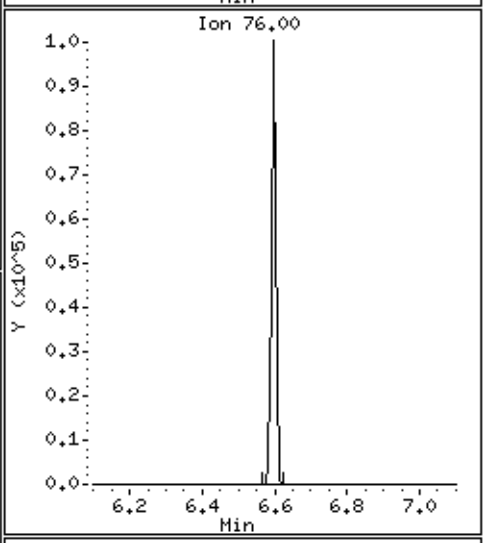
61 1,1-Biphenyl

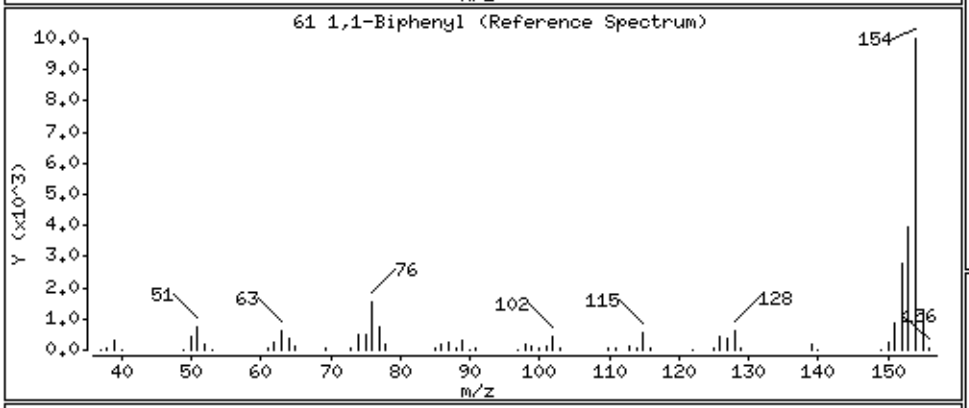
Concentration: 75.2 ug/kg

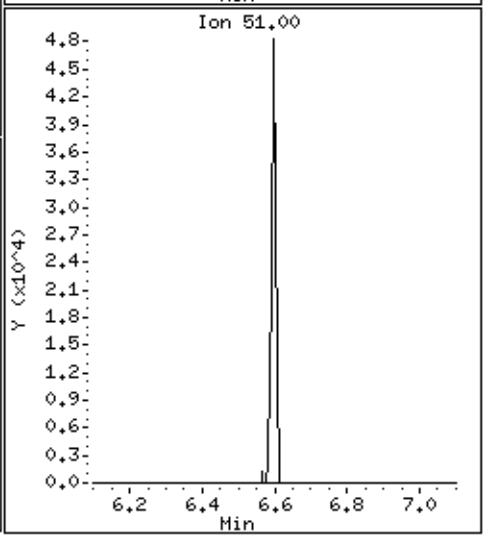


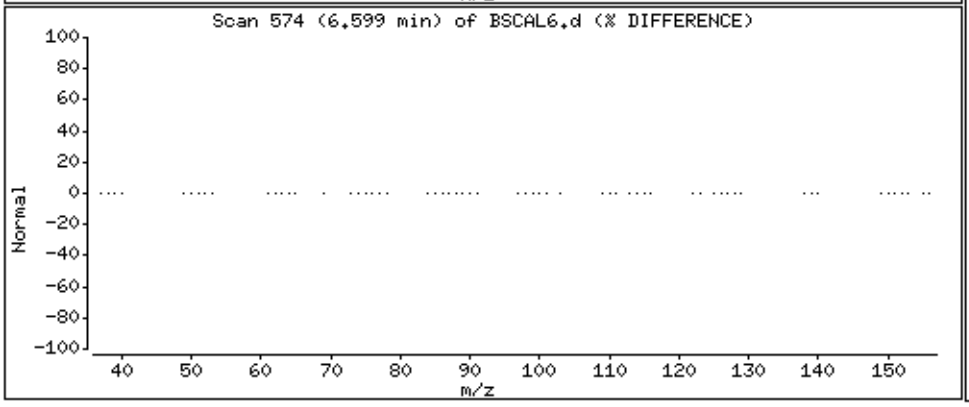












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

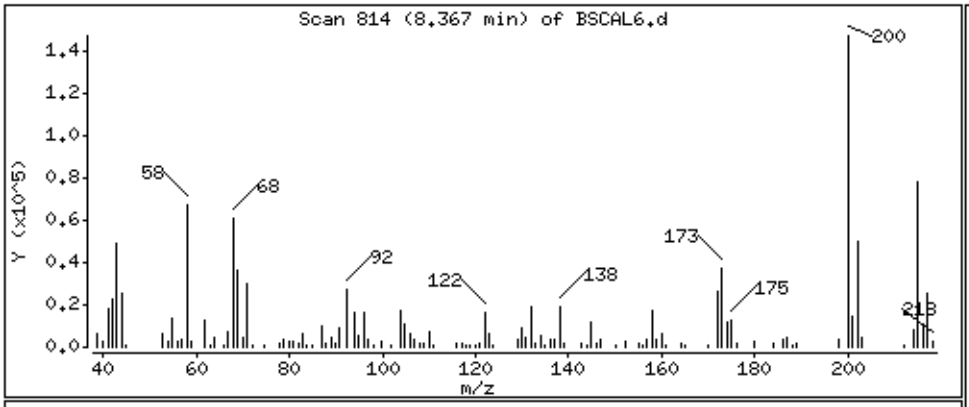
Operator: MJ

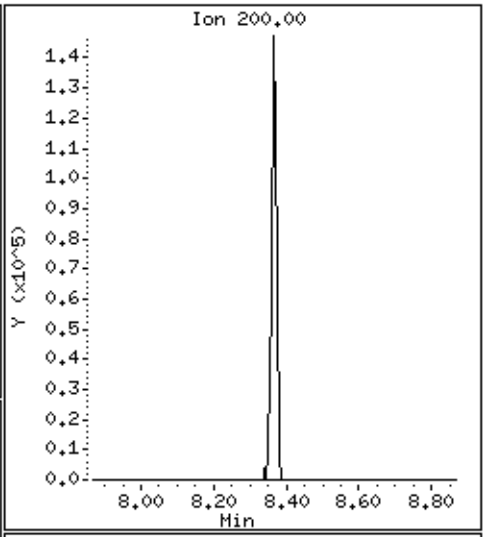
Column phase: HPMS-5

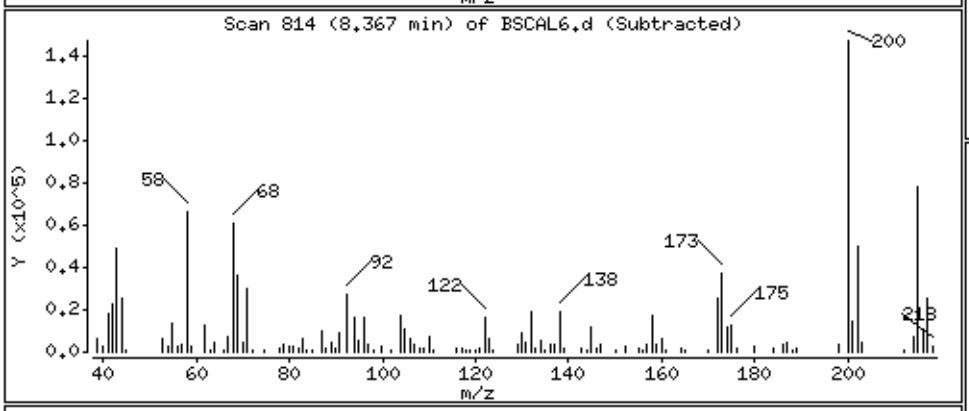
Column diameter: 0.25

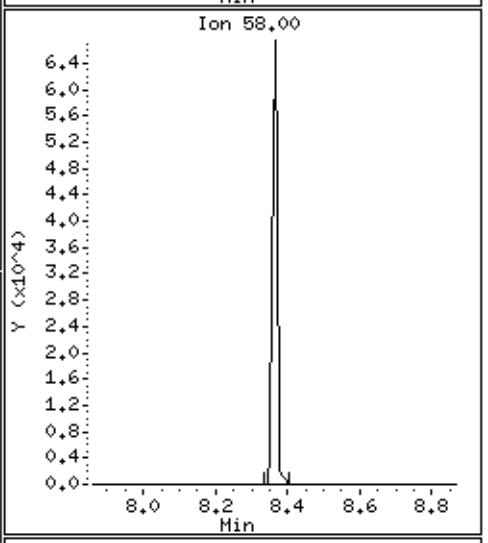
95 Atrazine

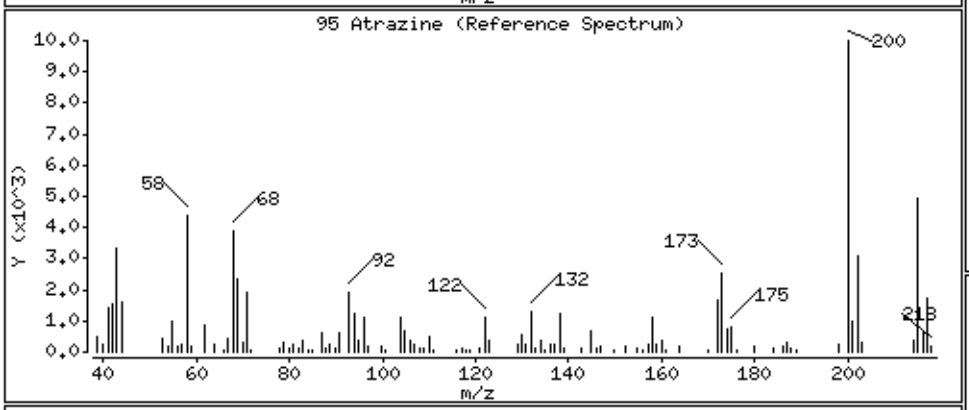
Concentration: 73.1 ug/kg

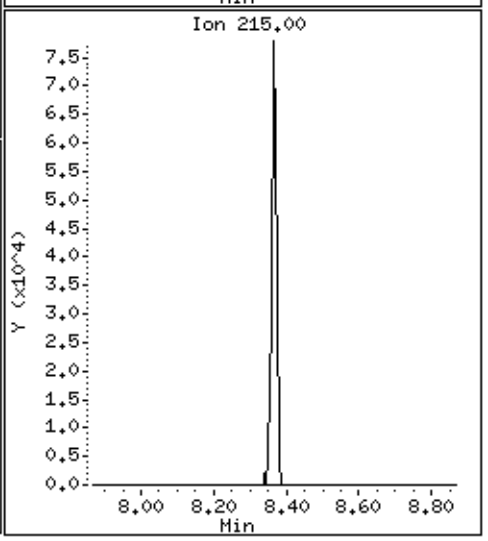


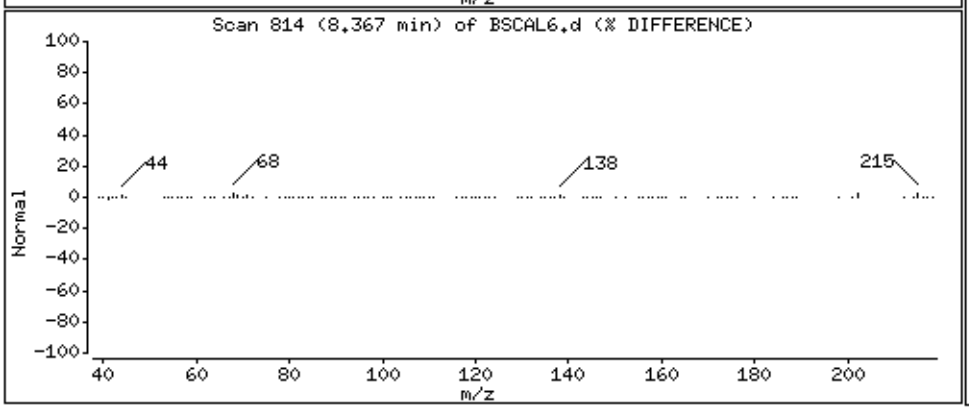












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

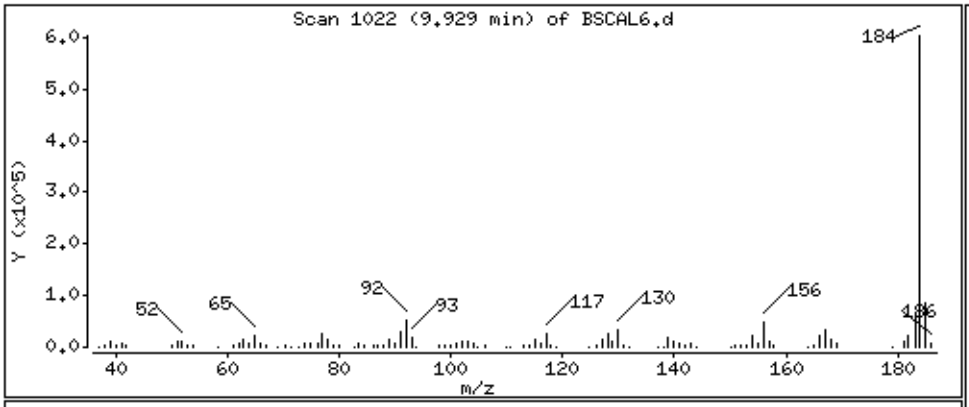
Operator: MJ

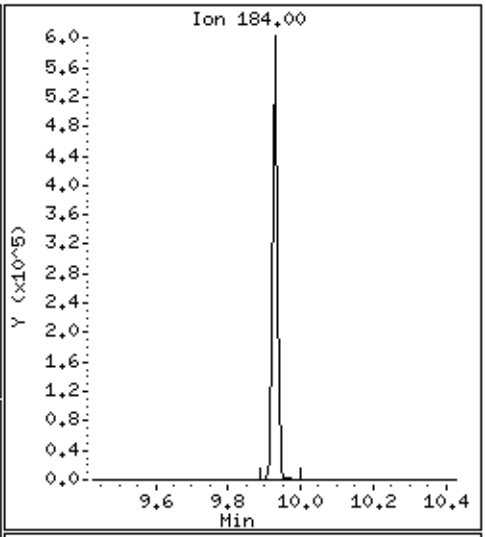
Column phase: HPMS-5

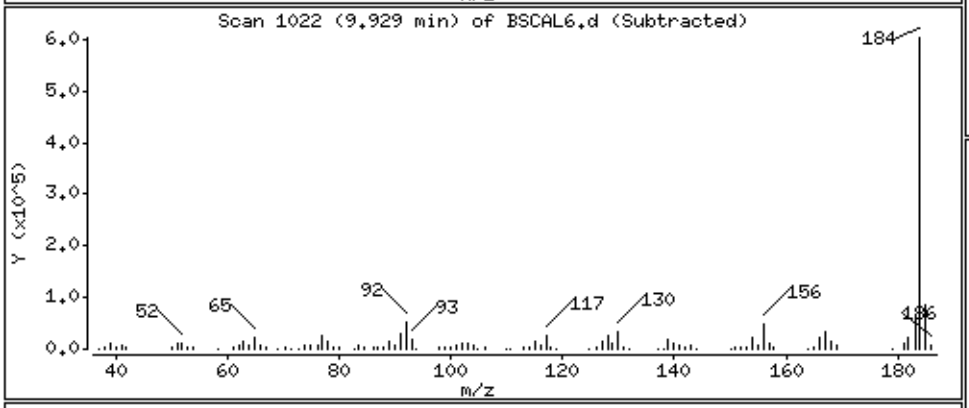
Column diameter: 0.25

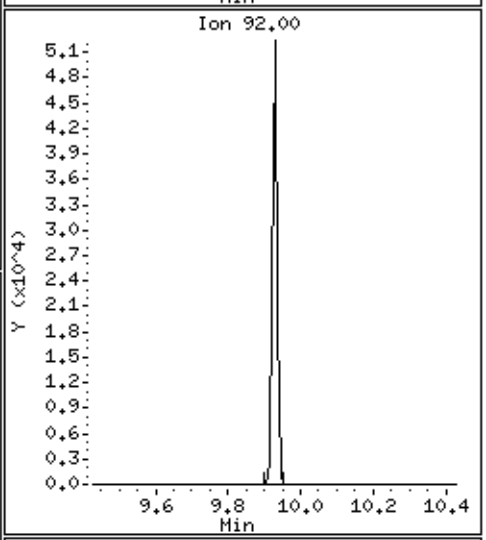
110 Benzidine

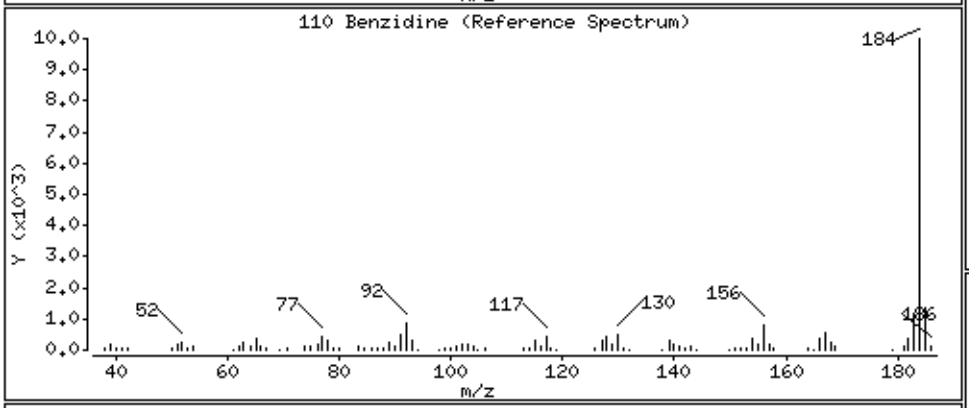
Concentration: 73.5 ug/kg

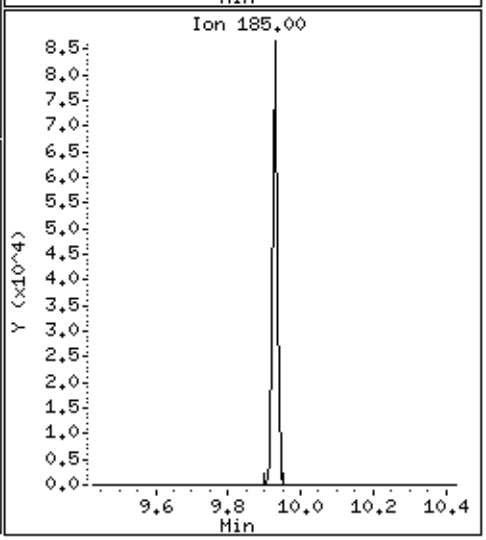


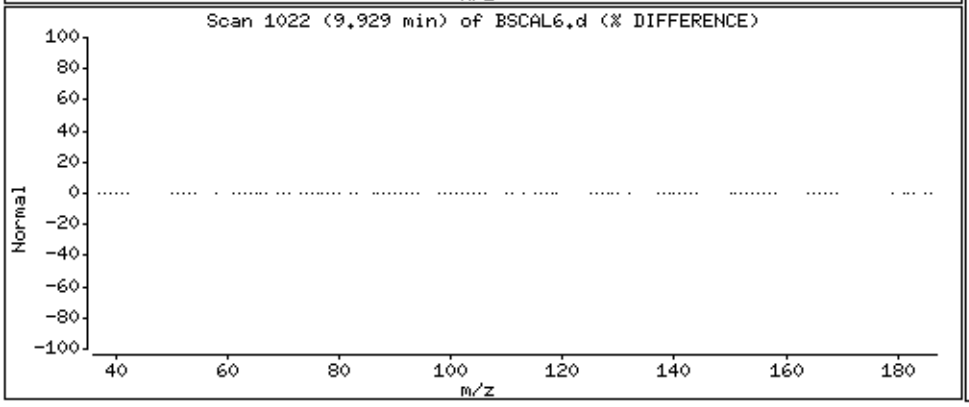












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL6.d

Date : 15-NOV-2012 02:22

Client ID: BSCAL6

Instrument: smsd04.i

Sample Info: 47962

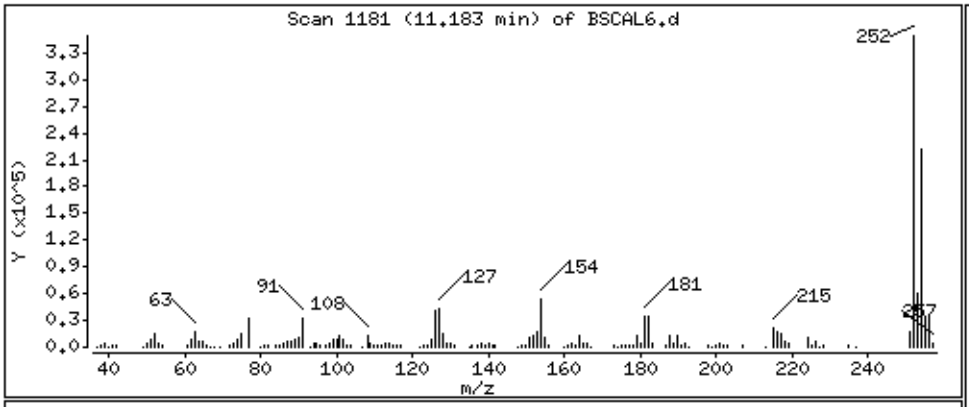
Operator: MJ

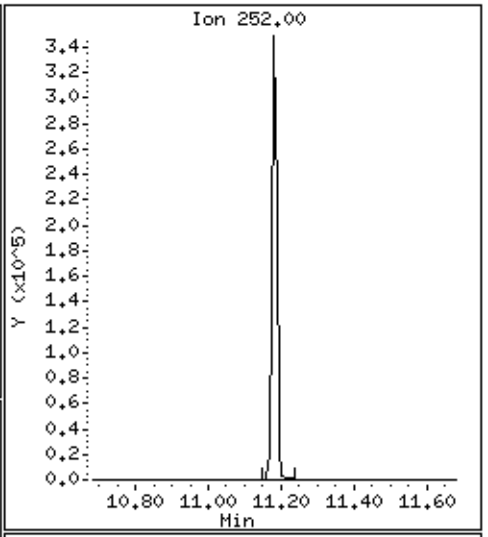
Column phase: HPMS-5

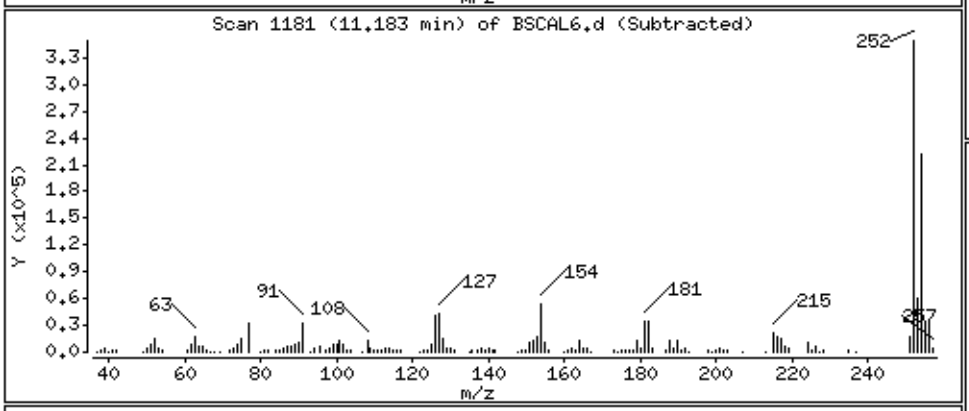
Column diameter: 0.25

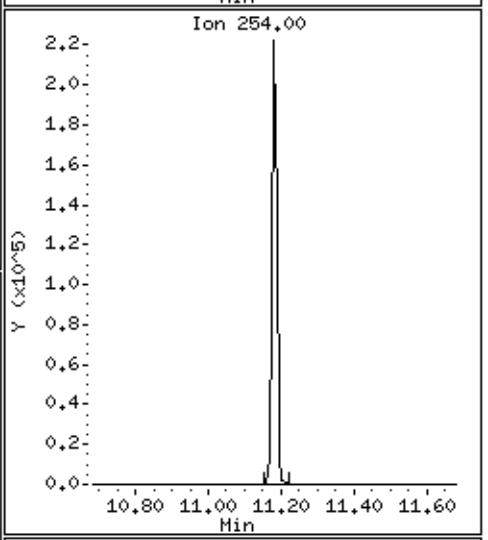
122 3,3'-Dichlorobenzidine

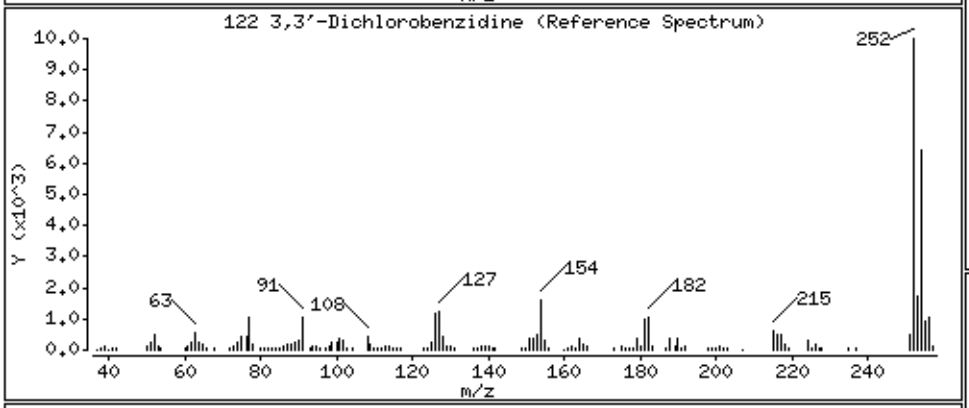
Concentration: 73.0 ug/kg

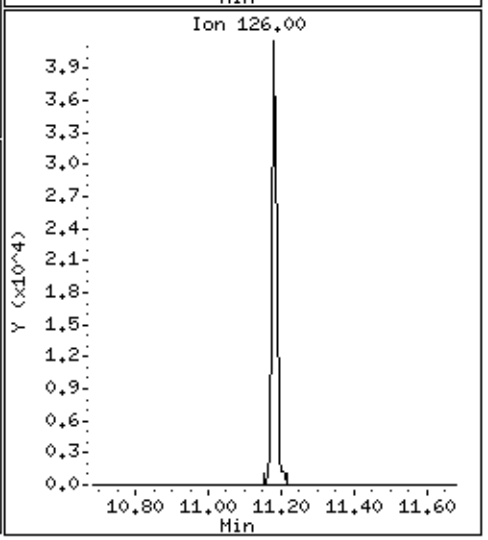


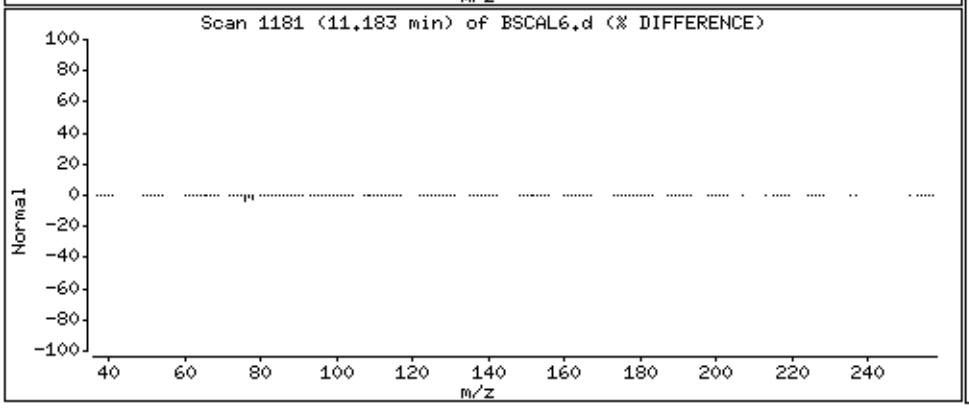












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d
Lab Smp Id: 47964 Client Smp ID: BSCAL5
Inj Date : 15-NOV-2012 02:43 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47964
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-NOV-2012 10:07 Cal File: AP9CAL5.d
Als bottle: 33 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde						CAS #: 100-52-7		
3.929	3.929 (0.915)		77	170764	60.0000	60.2	80.00- 120.00	100.00(a)
3.929	3.929 (0.915)		106	136459			52.13- 112.13	79.91
3.929	3.929 (0.915)		51	79383			17.54- 77.54	46.49
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.295	4.294 (1.000)		152	88815	40.0000		80.00- 120.00	100.00
4.295	4.294 (1.000)		115	57423			34.81- 94.81	64.65
4.295	4.294 (1.000)		150	139534			126.51- 186.51	157.11
25 Acetophenone						CAS #: 98-86-2		
4.673	4.675 (0.856)		105	261069	60.0000	59.1	80.00- 120.00	100.00
4.673	4.675 (0.855)		77	240117			60.51- 120.51	91.97
4.673	4.674 (0.855)		51	80186			1.60- 61.60	30.71
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.463	5.463 (1.000)		136	302180	40.0000		80.00- 120.00	100.00
5.462	5.463 (1.000)		68	21195			0.00- 37.51	7.01
50 Caprolactam						CAS #: 105-60-2		
5.841	5.836 (1.069)		55	76834	60.0000	56.7	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
	50 Caprolactam (continued)							
5.841	5.836	(1.069)	113	53167			40.21- 100.21	69.20
5.841	5.836	(1.069)	85	40457			19.92- 79.92	52.66
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.598	6.598	(0.921)	154	436503	60.0000	57.5	80.00- 120.00	100.00(a)
6.598	6.597	(0.921)	76	69585			0.00- 46.03	15.94
6.597	6.597	(0.921)	51	34485			0.00- 37.80	7.90
	* 70 Acenaphthene-d10					CAS #: 15067-26-2		
7.167	7.167	(1.000)	164	192809	40.0000		80.00- 120.00	100.00
7.167	7.168	(1.000)	162	179886			66.12- 126.12	93.30
7.167	7.167	(1.000)	160	82576			13.21- 73.21	42.83
	95 Atrazine					CAS #: 1912-24-9		
8.365	8.364	(0.973)	200	119876	60.0000	58.7	80.00- 120.00	100.00(a)
8.364	8.363	(0.973)	58	55054			14.20- 74.20	45.93
8.365	8.364	(0.973)	215	62810			20.34- 80.34	52.40
	* 100 Phenanthrene-d10					CAS #: 1517-22-2		
8.600	8.604	(1.000)	188	342944	40.0000		80.00- 120.00	100.00
8.599	8.604	(1.000)	94	36036			0.00- 40.39	10.51
8.599	8.603	(1.000)	80	39677			0.00- 41.55	11.57
	110 Benzidine					CAS #: 92-87-5		
9.927	9.927	(0.886)	184	414329	60.0000	57.4	80.00- 120.00	100.00(a)
9.927	9.927	(0.886)	92	34276			0.00- 38.66	8.27
9.927	9.927	(0.886)	185	58375			0.00- 43.92	14.09
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.181	11.181	(0.998)	252	245982	60.0000	57.6	80.00- 120.00	100.00(a)
11.181	11.181	(0.998)	254	154935			34.93- 94.93	62.99
11.180	11.180	(0.997)	126	27860			0.00- 41.83	11.33
	* 121 Chrysene-d12					CAS #: 1719-03-5		
11.209	11.211	(1.000)	240	369734	40.0000		80.00- 120.00	100.00
11.208	11.210	(1.000)	120	37937			0.00- 40.02	10.26
11.209	11.210	(1.000)	236	91346			0.00- 54.50	24.71
	* 130 Perylene-d12					CAS #: 1520-96-3		
12.531	12.532	(1.000)	264	330267	40.0000		80.00- 120.00	100.00
12.531	12.533	(1.000)	260	72671			0.00- 52.70	22.00
12.531	12.532	(1.000)	265	71454			0.00- 52.11	21.64

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecdc04\DD\chem\smsdc04.i\S411145Sca1.b\BSCAL5.d
Date : 15-NOV-2012 02:43
Client ID: BSCAL5
Sample Info: 47964

Column phase: HPMS-5

Instrument: smsdc04.i

Operator: MJ
Column diameter: 0.25

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

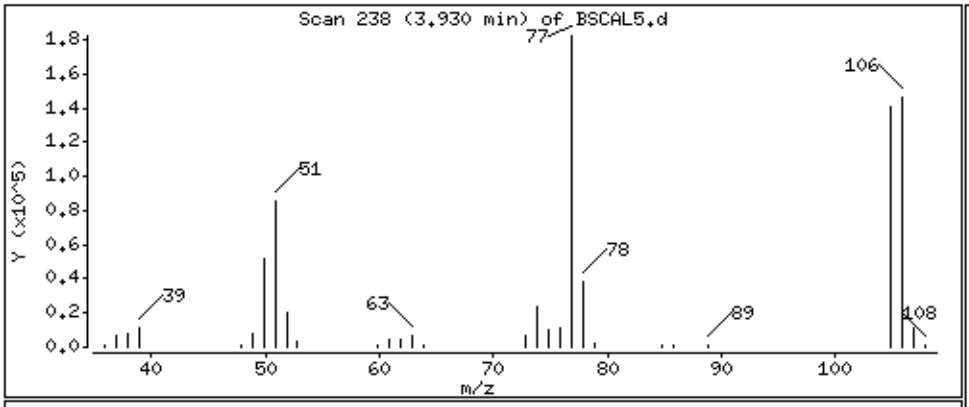
Operator: MJ

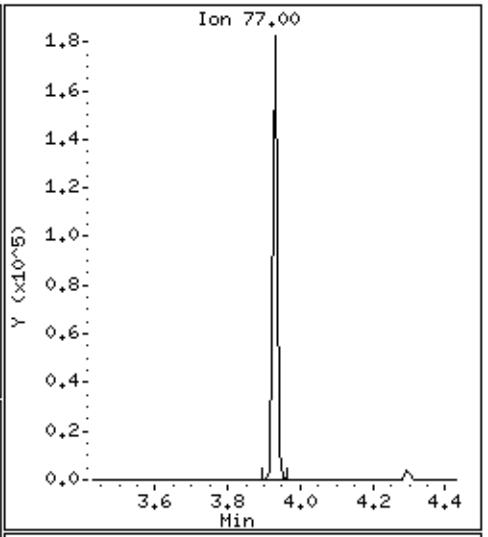
Column phase: HPMS-5

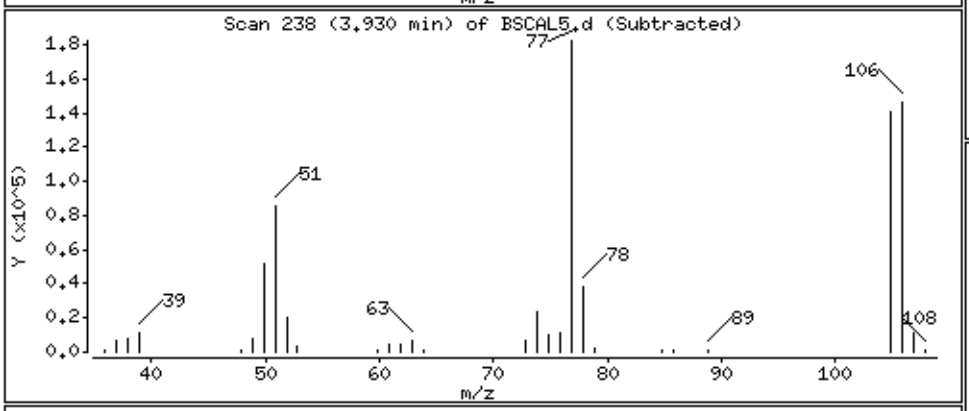
Column diameter: 0.25

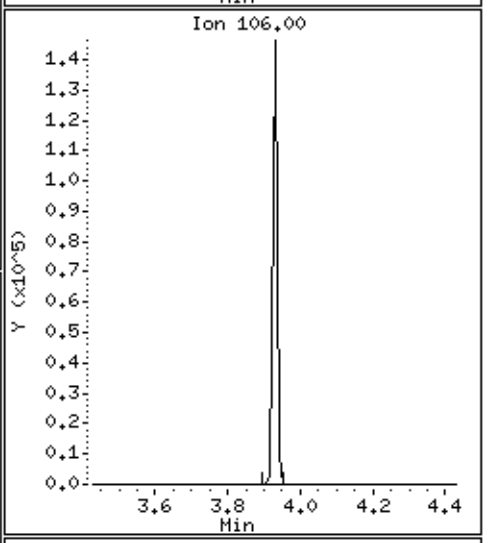
9 Benzaldehyde

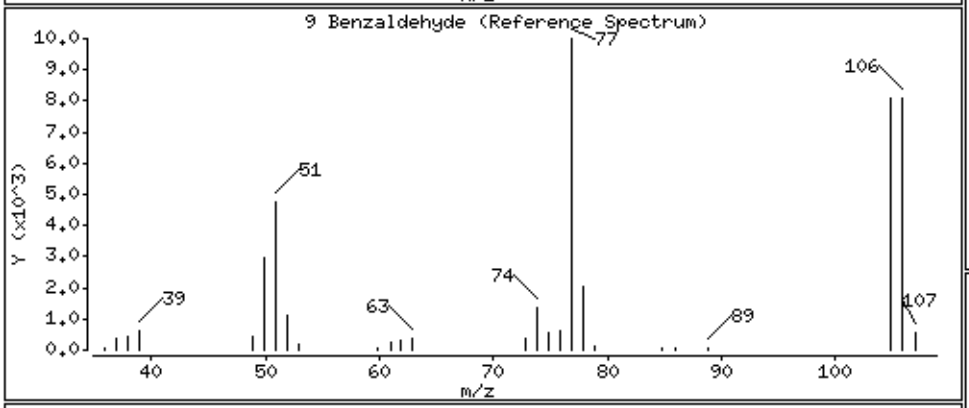
Concentration: 60.2 ug/kg

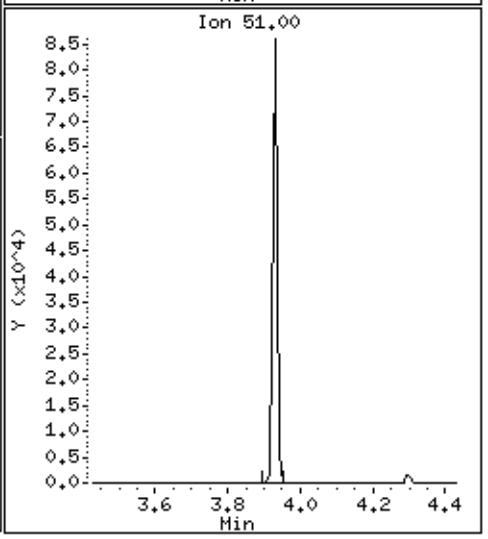


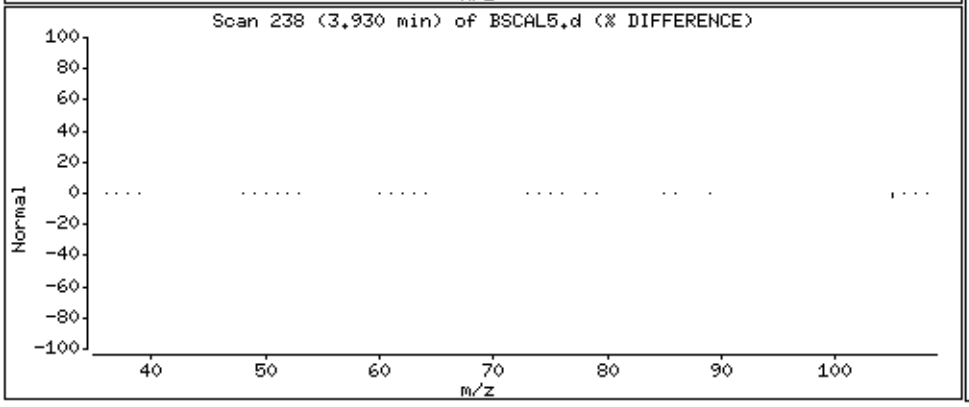












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

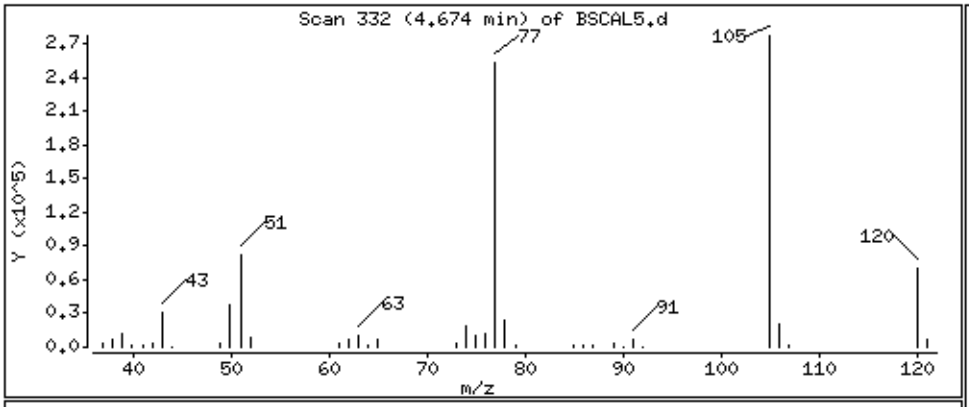
Operator: MJ

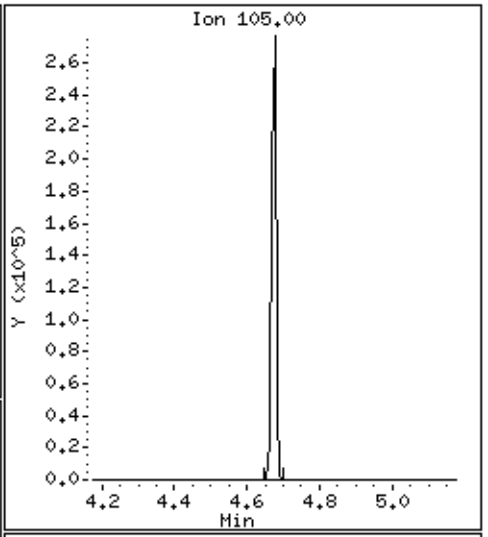
Column phase: HPMS-5

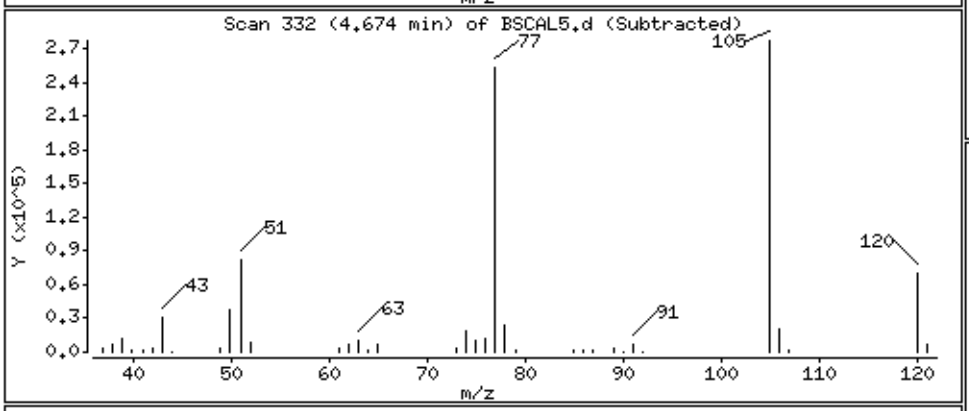
Column diameter: 0.25

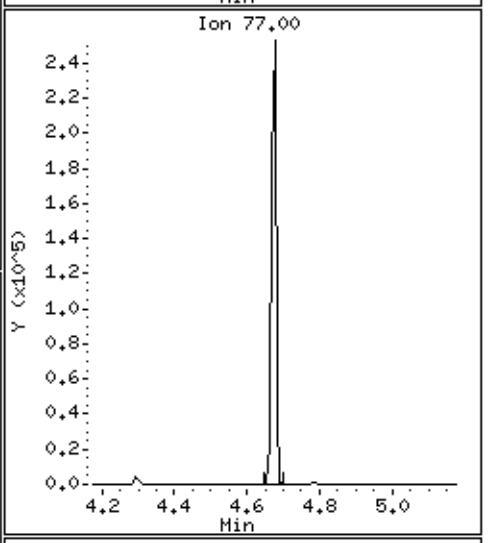
25 Acetophenone

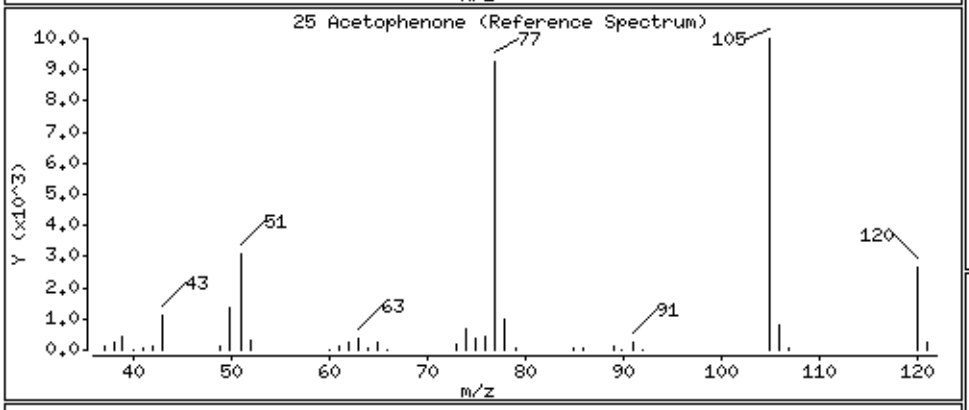
Concentration: 59.1 ug/kg

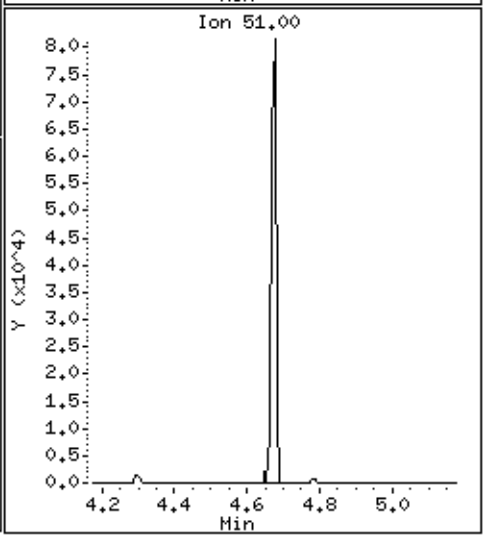


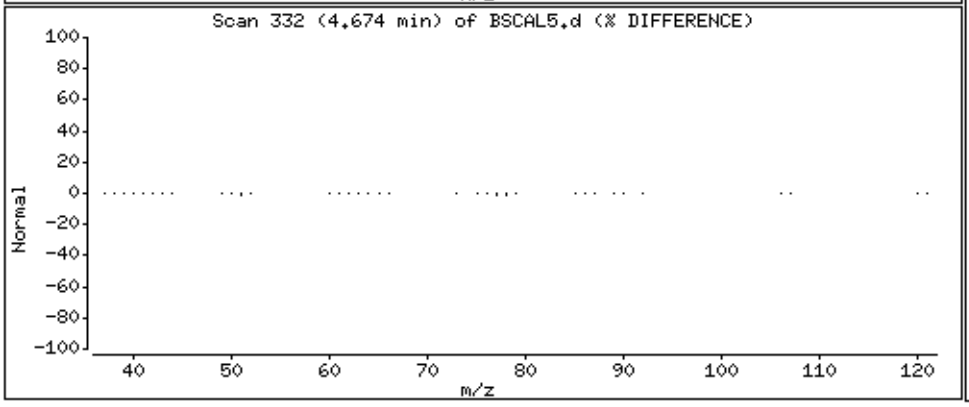












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

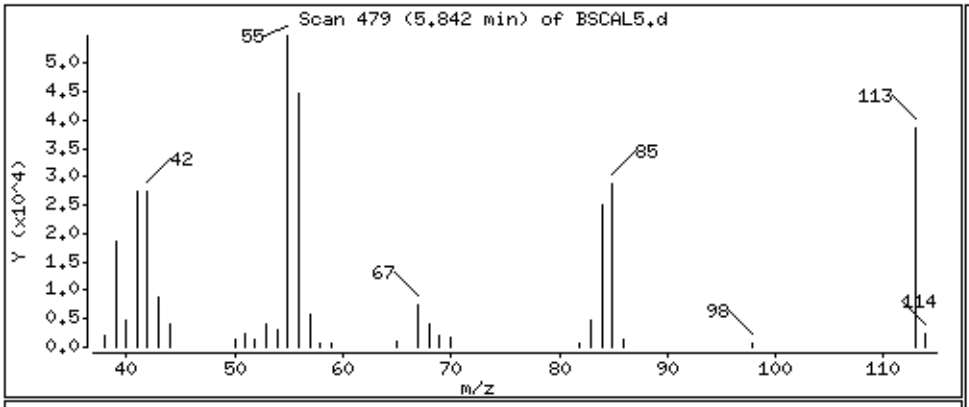
Operator: MJ

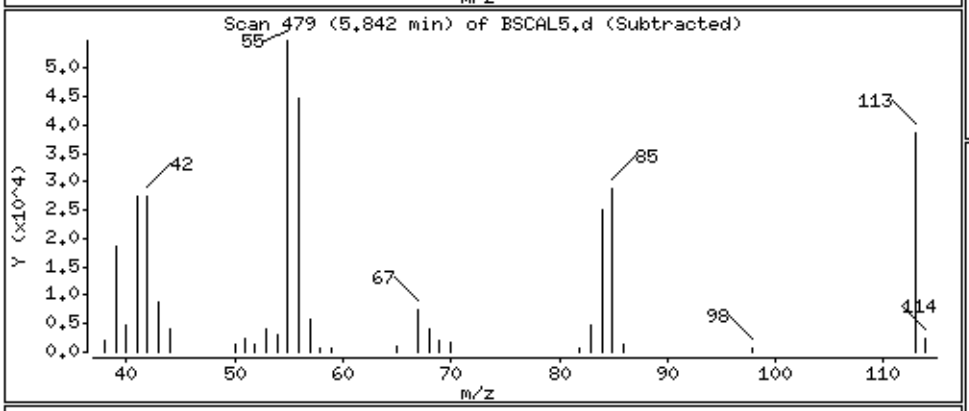
Column phase: HPMS-5

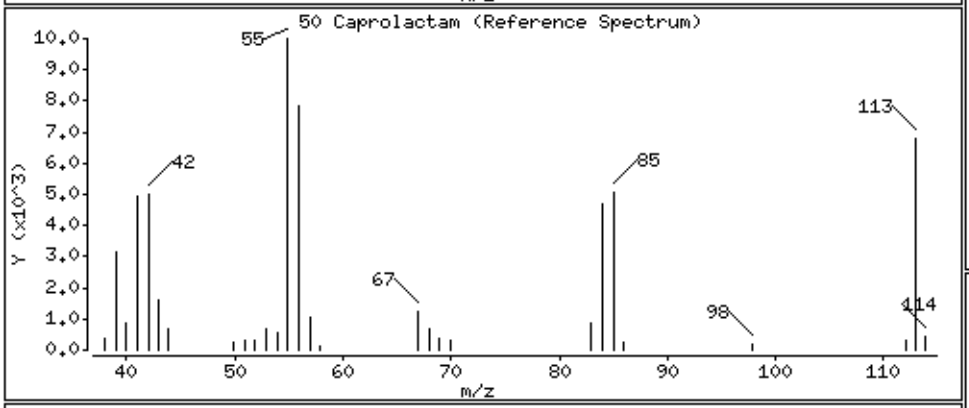
Column diameter: 0.25

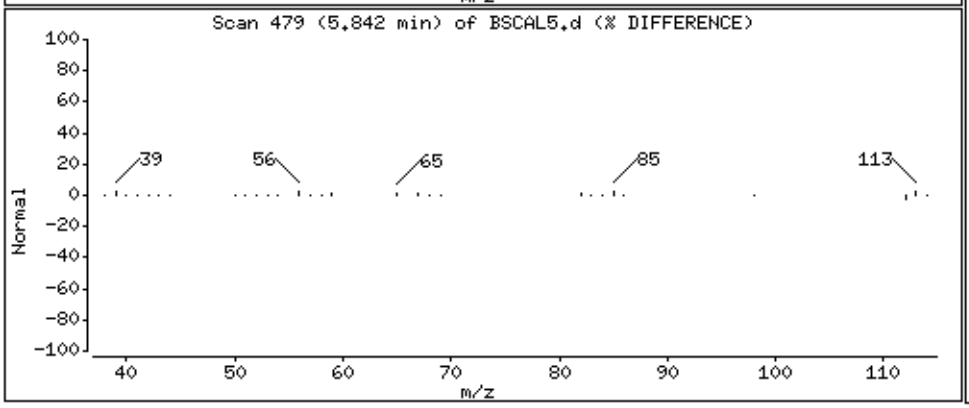
50 Caprolactam

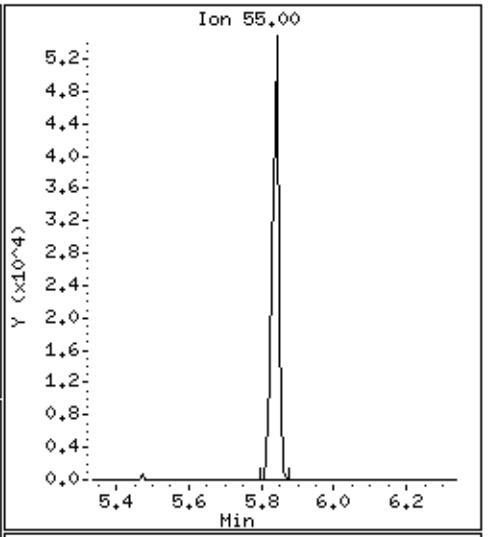
Concentration: 56.7 ug/kg

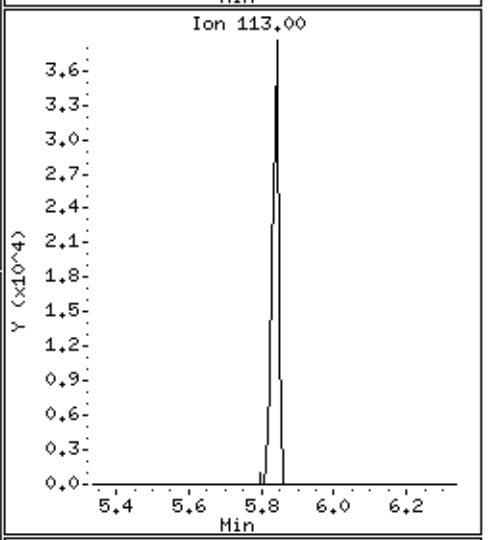


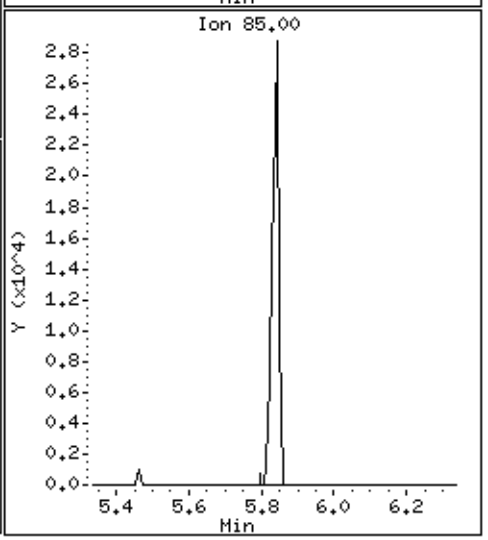












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

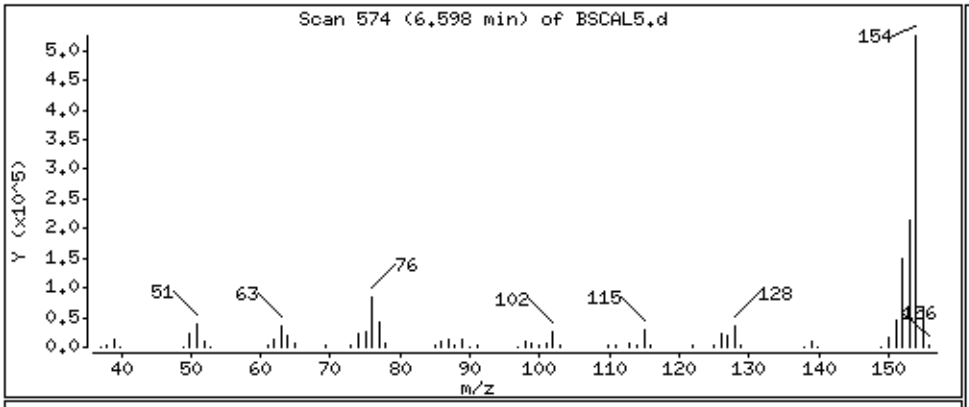
Operator: MJ

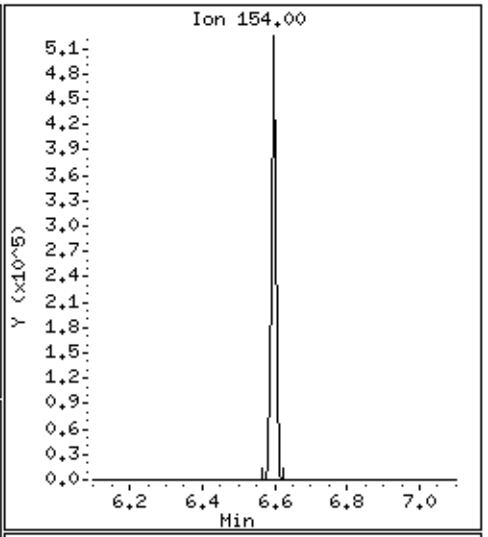
Column phase: HPMS-5

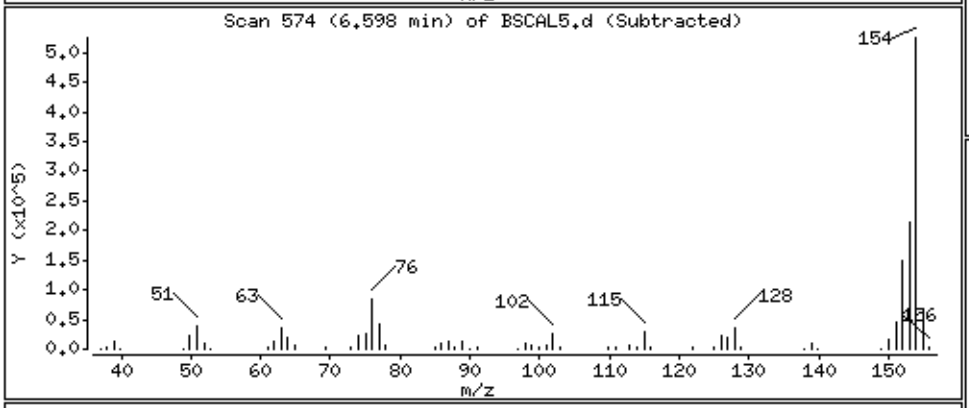
Column diameter: 0.25

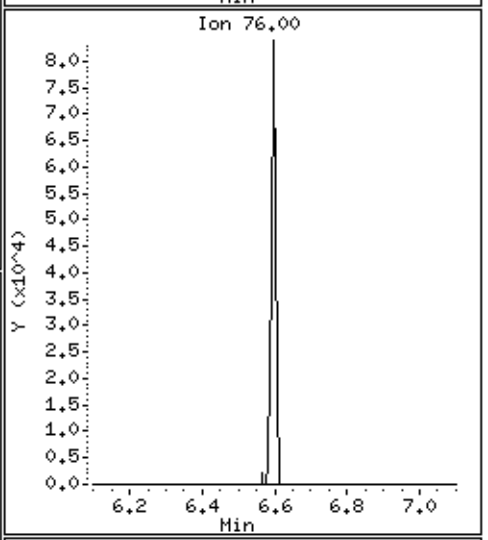
61 1,1-Biphenyl

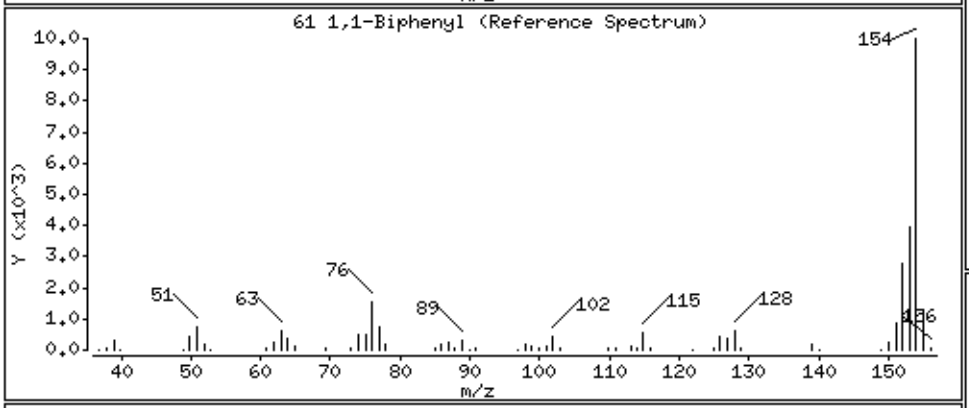
Concentration: 57.5 ug/kg

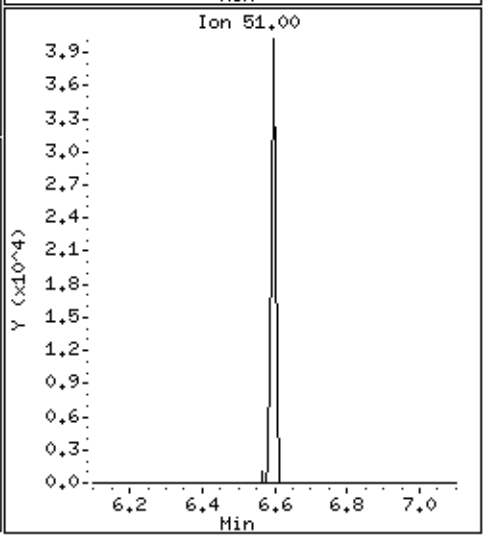


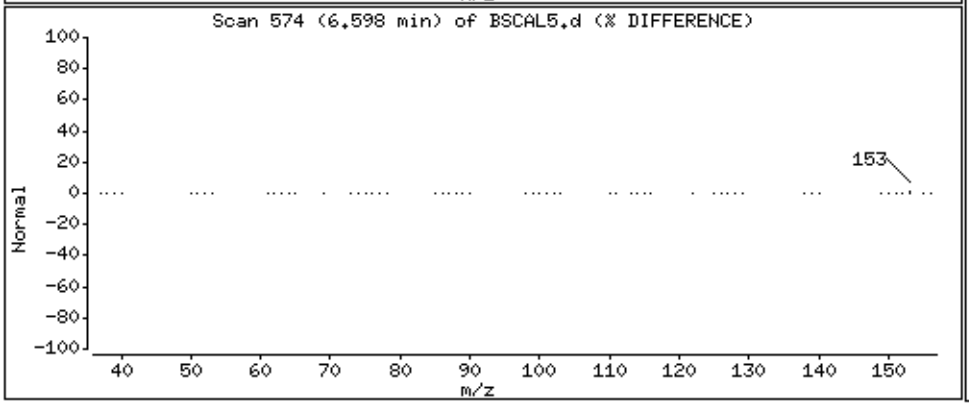












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

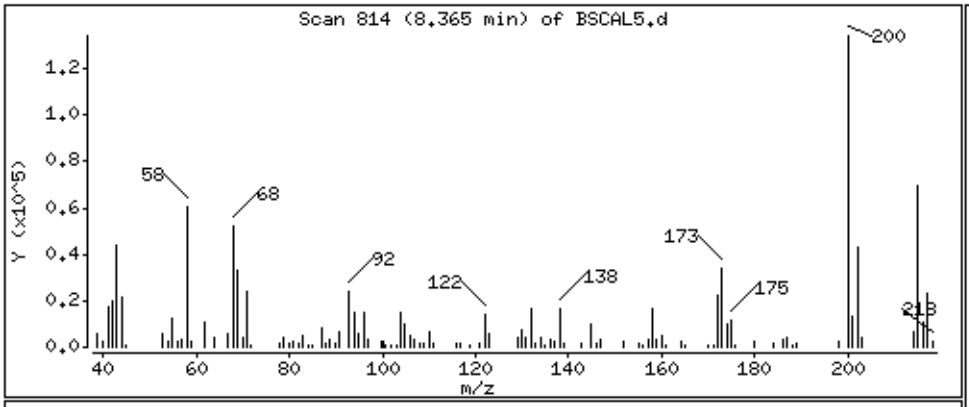
Operator: MJ

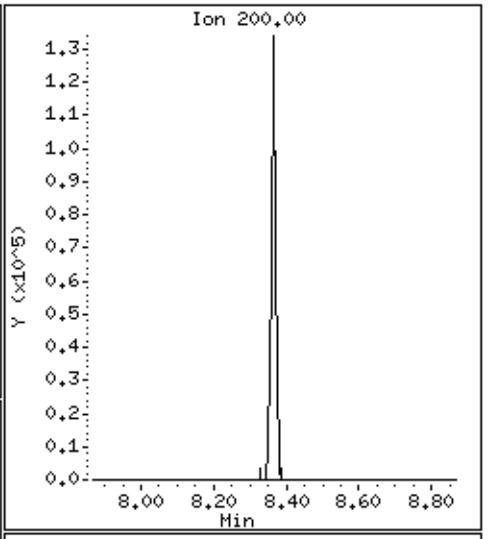
Column phase: HPMS-5

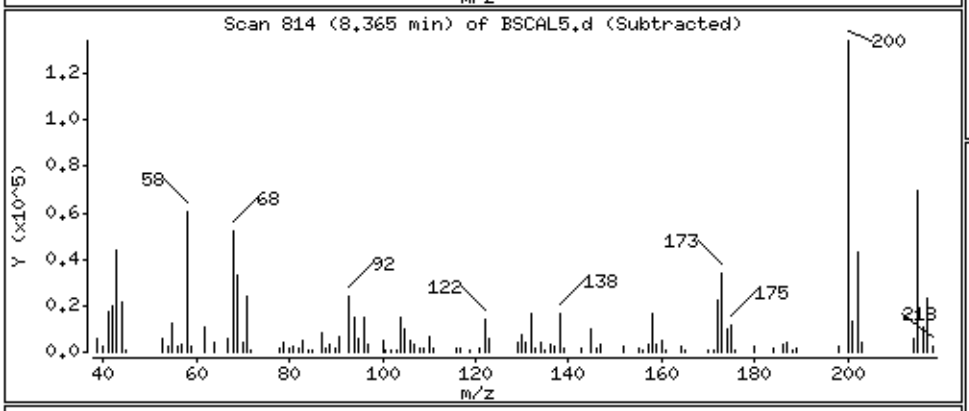
Column diameter: 0.25

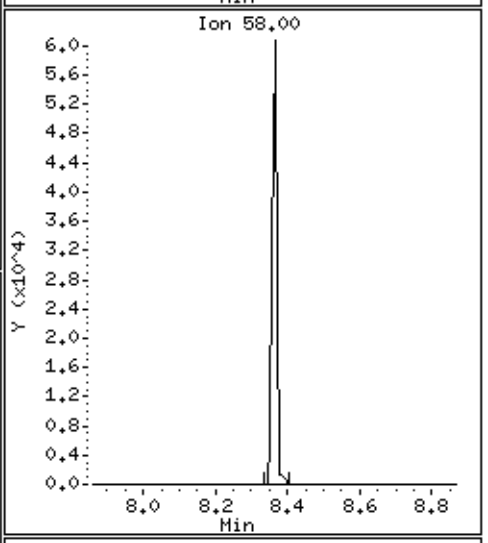
95 Atrazine

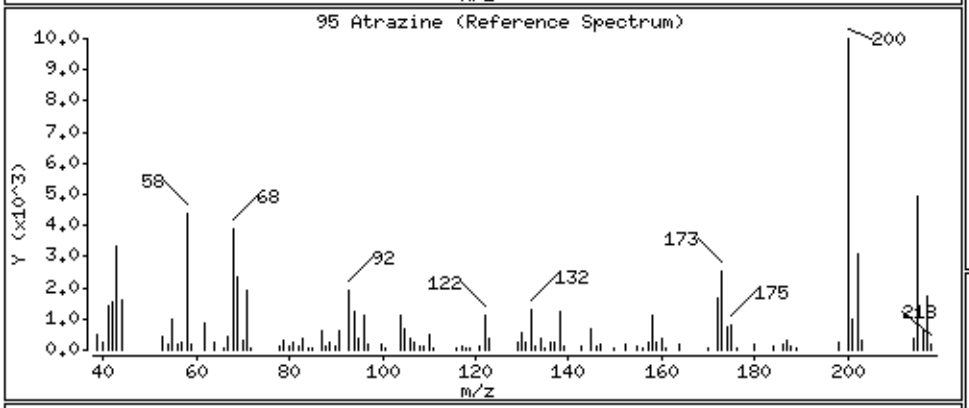
Concentration: 58.7 ug/kg

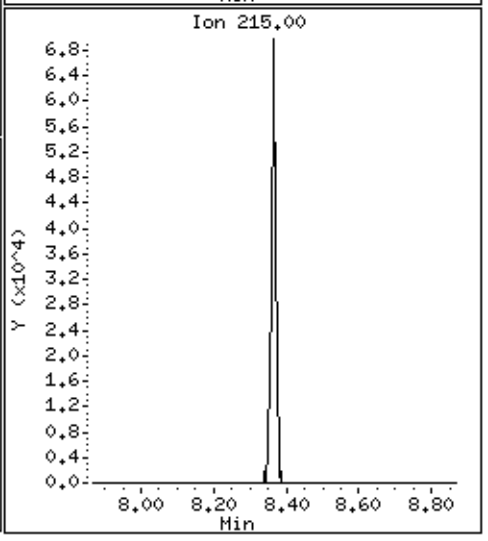


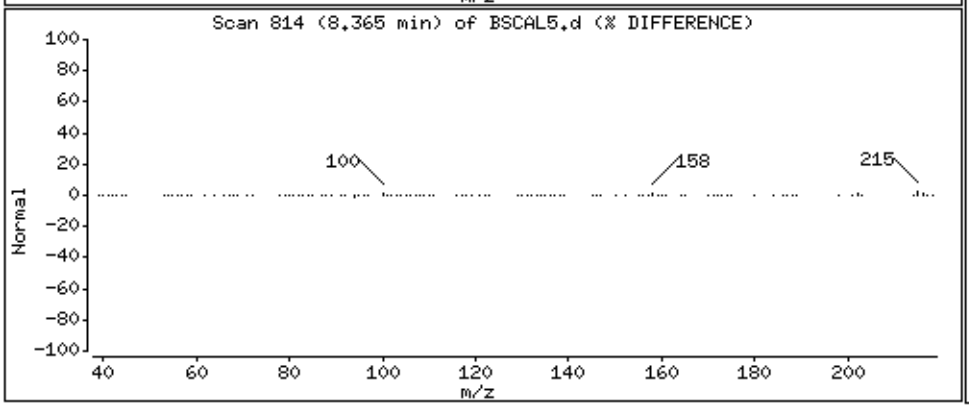












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

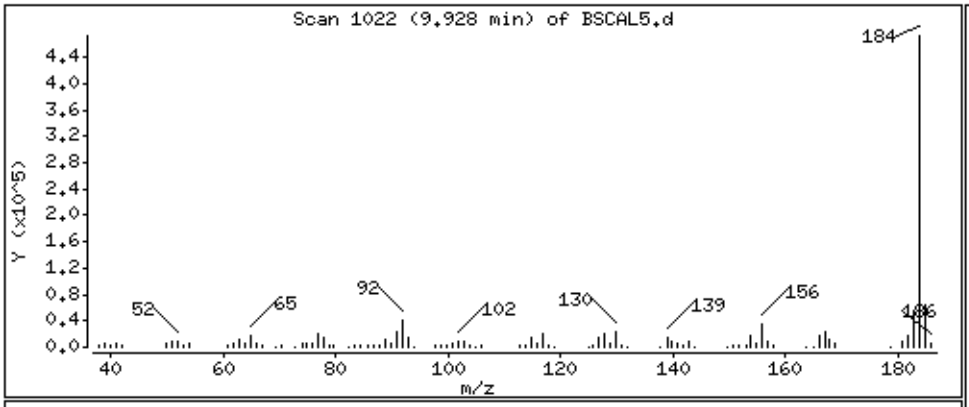
Operator: MJ

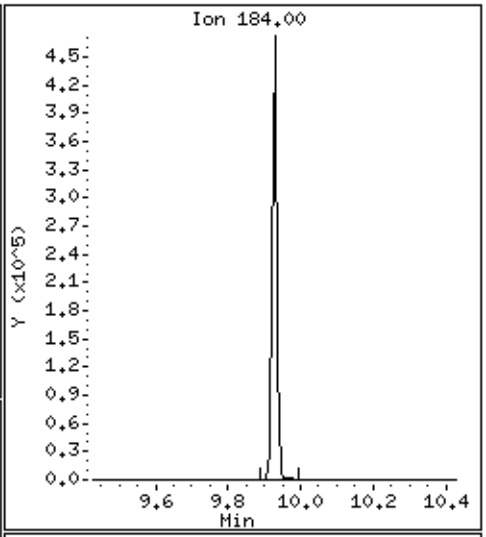
Column phase: HPMS-5

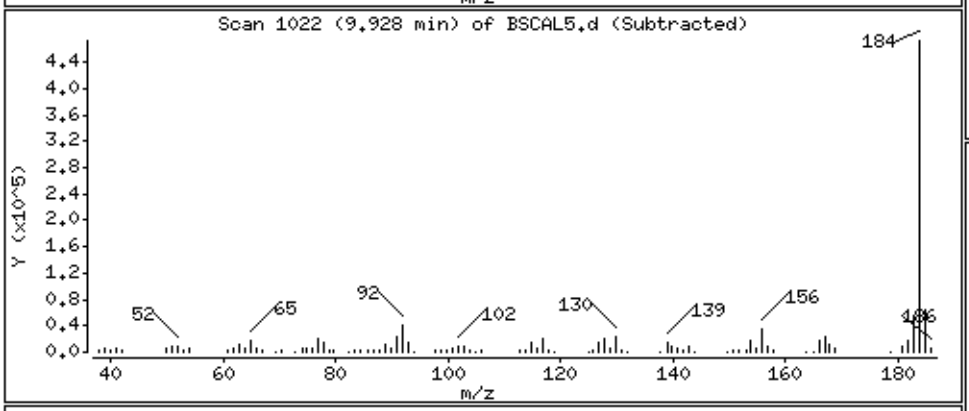
Column diameter: 0.25

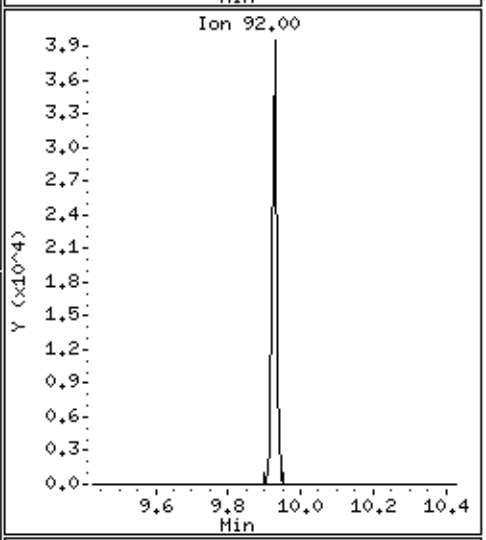
110 Benzidine

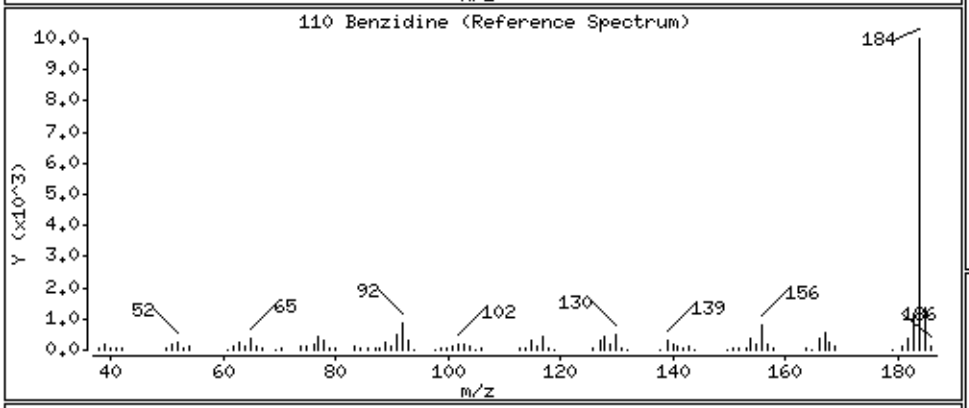
Concentration: 57.4 ug/kg

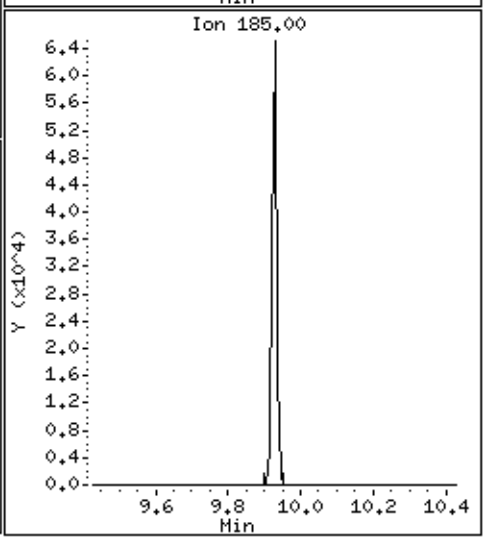


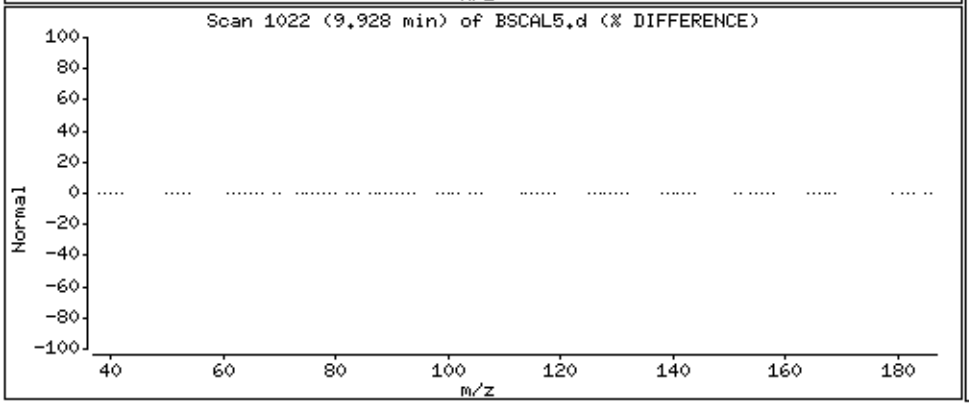












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL5.d

Date : 15-NOV-2012 02:43

Client ID: BSCAL5

Instrument: smsd04.i

Sample Info: 47964

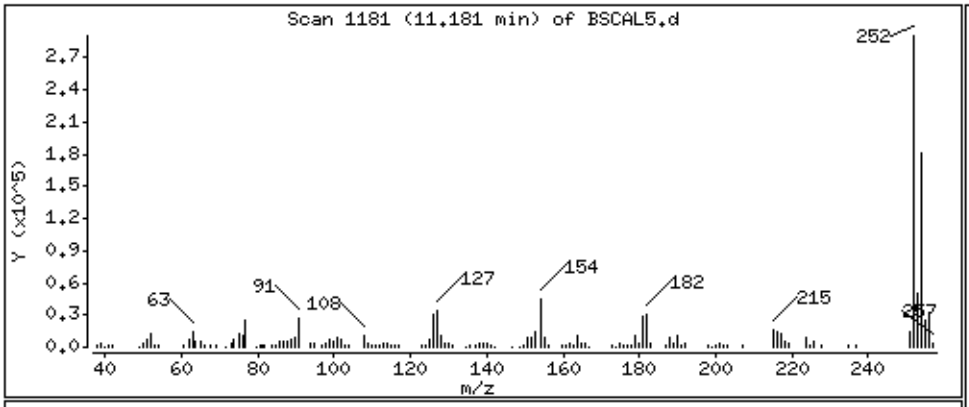
Operator: MJ

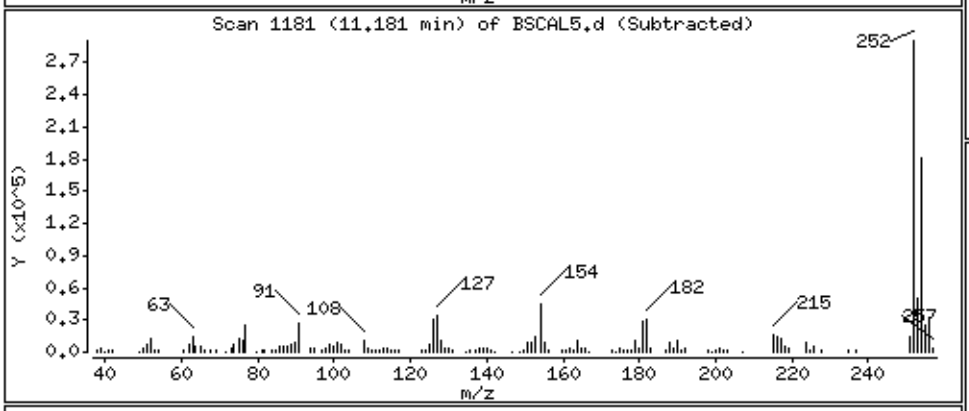
Column phase: HPMS-5

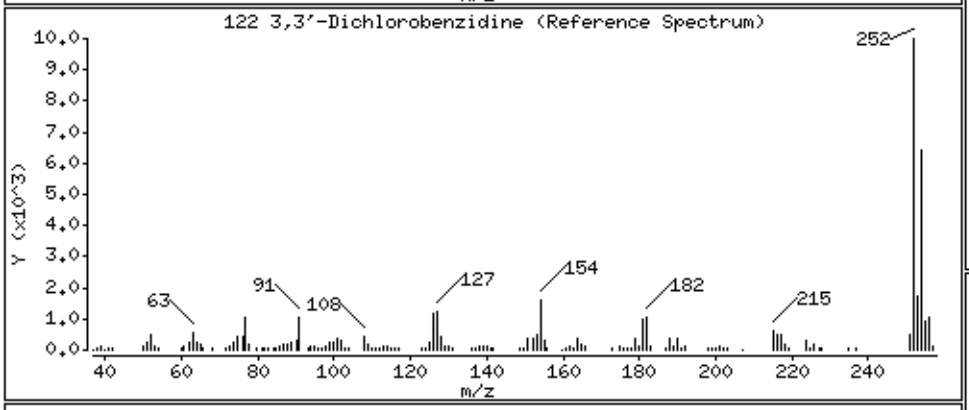
Column diameter: 0.25

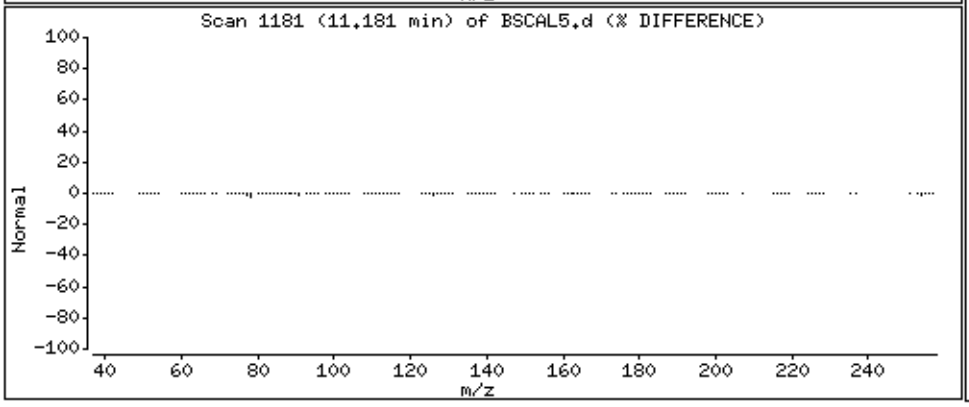
122 3,3'-Dichlorobenzidine

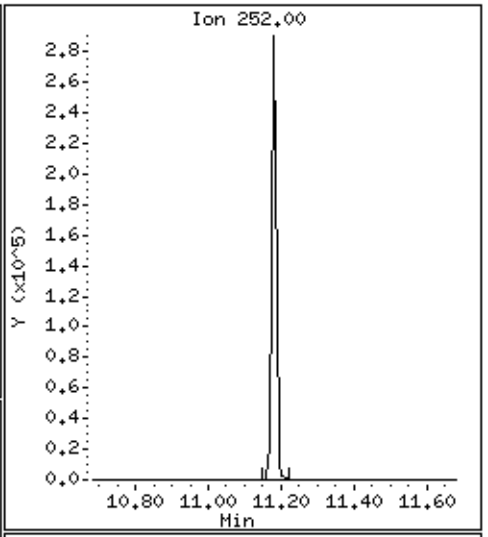
Concentration: 57.6 ug/kg

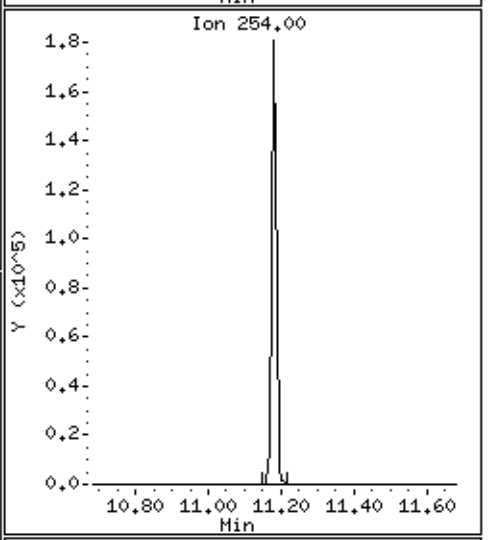


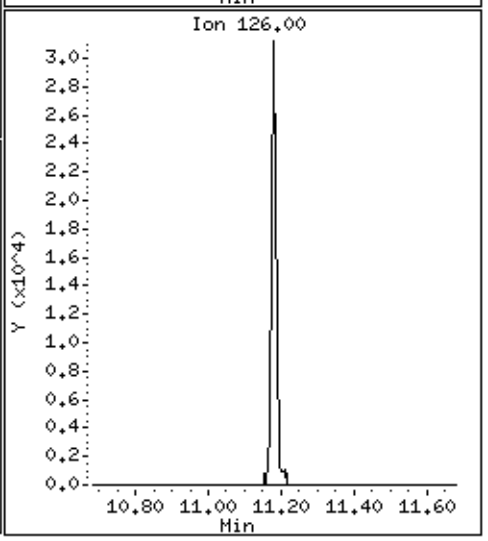












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d
Report Date: 26-Nov-2012 18:06

PEL Laboratories, Inc.

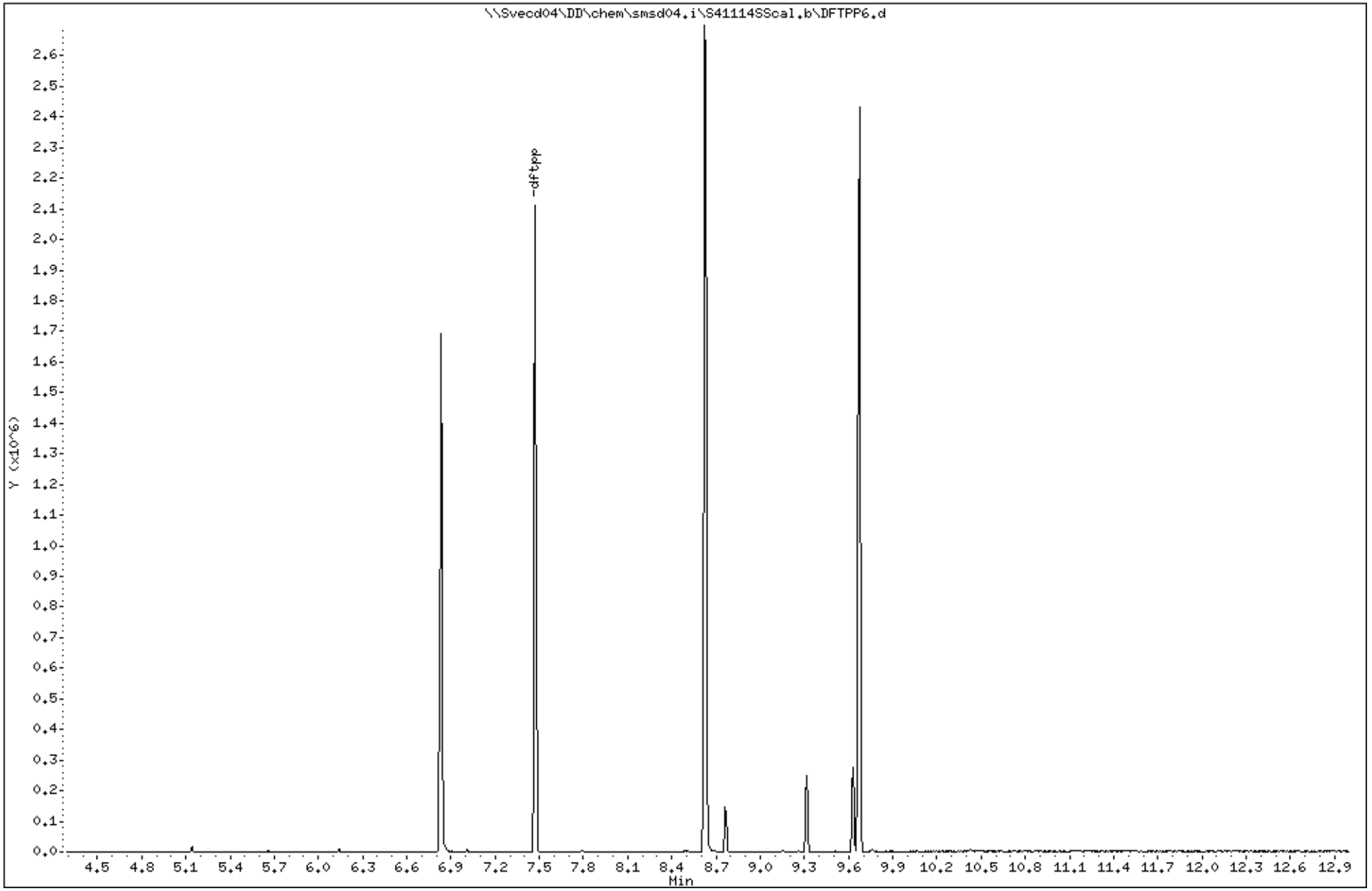
Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d
Lab Smp Id: 47137 Client Smp ID: DFTPP6
Inj Date : 15-NOV-2012 07:22 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47137
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DODTUN.m
Meth Date : 06-Aug-2012 11:47 Quant Type: ISTD
Cal Date : 23-MAR-2009 02:58 Cal File: AP9CAL1.D
Als bottle: 1 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	CONCENTRATIONS FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.469	7.410	(0.000)	198	195072			0.00- 100.00	100.00
7.469	7.410	(0.000)	51	86136			10.00- 80.00	44.16
7.469	7.410	(0.000)	68	0	0.0	0.0	0.00- 2.00	0.00
7.469	7.410	(0.000)	69	107912			0.00- 0.00	55.32
7.469	7.410	(0.000)	70	223			0.00- 2.00	0.21
7.469	7.410	(0.000)	127	96128			10.00- 80.00	49.28
7.469	7.410	(0.000)	197	0	0.0	0.0	0.00- 2.00	0.00
7.469	7.410	(0.000)	199	12907			5.00- 9.00	6.62
7.469	7.410	(0.000)	275	45632			10.00- 60.00	23.39
7.469	7.410	(0.000)	365	5941			1.00- 0.00	3.05
7.469	7.410	(0.000)	441	21944			0.01- 24.00	17.16
7.469	7.410	(0.000)	442	127864			50.00- 0.00	65.55
7.469	7.410	(0.000)	443	25088			15.00- 24.00	19.62

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d
Date : 15-NOV-2012 07:22
Client ID: DFTPP6 Instrument: smsd04.i
Sample Info: 47137
Volume Injected (uL): 1.0 Operator: MJ
Column phase: Column diameter: 2.00



1043

3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d

Date : 15-NOV-2012 07:22

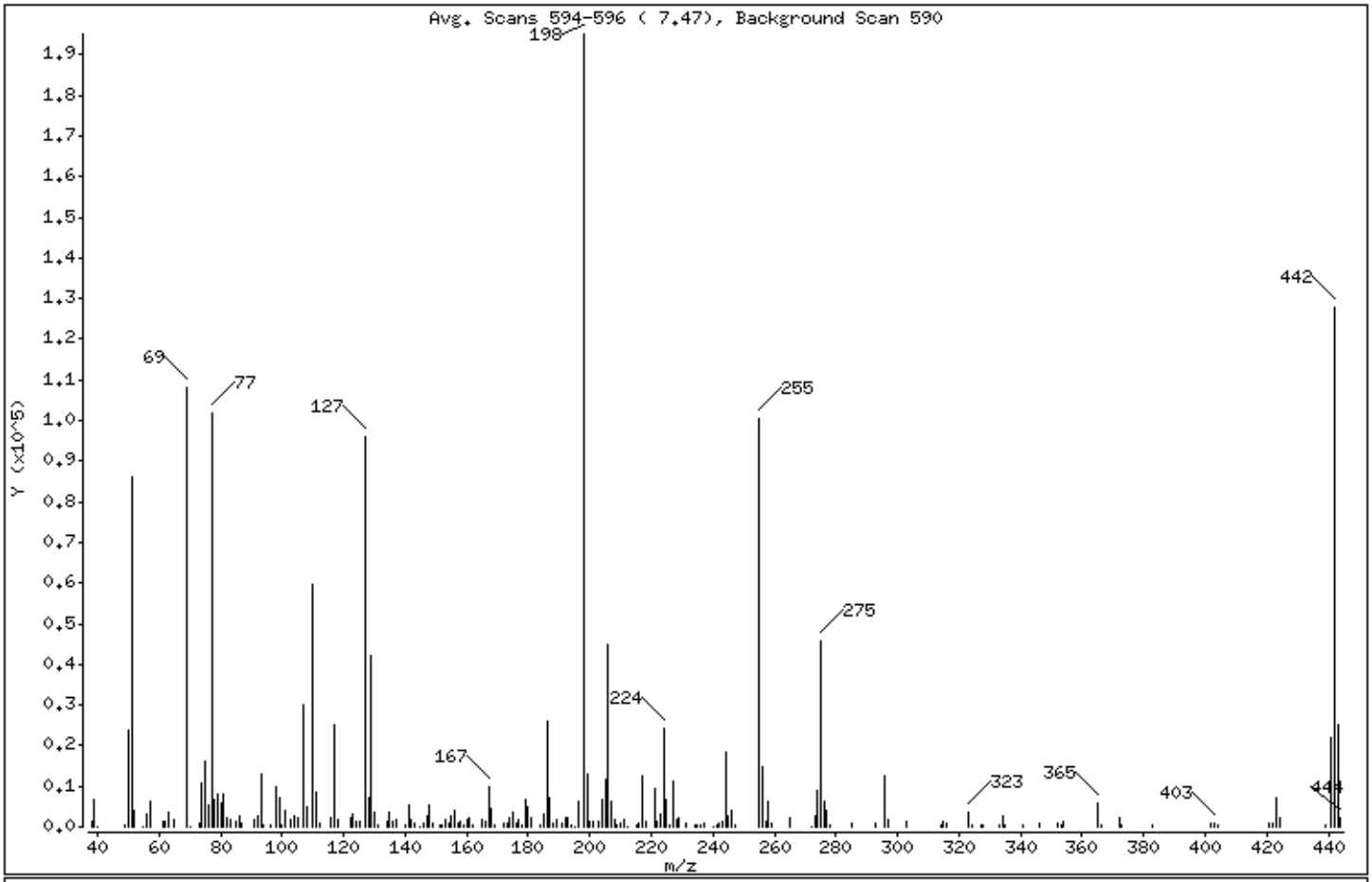
Client ID: DFTPP6 Instrument: smsd04.i

Sample Info: 47137

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	44.16
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	55.32
70	Less than 2.00% of mass 69	0.11 (0.21)
127	10.00 - 80.00% of mass 198	49.28
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	23.39
365	Greater than 1.00% of mass 198	3.05
441	0.01 - 24.00% of mass 442	11.25 (17.16)
442	Greater than 50.00% of mass 198	65.55
443	15.00 - 24.00% of mass 442	12.86 (19.62)

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d

Date : 15-NOV-2012 07:22

Client ID: DFTPP6 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP6.d
Spectrum: Avg. Scans 594-596 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1329	123.00	3289	187.00	7328	257.00	1377
39.00	6510	124.00	1246	188.00	748	258.00	6087
40.00	217	125.00	1124	189.00	1778	259.00	776
49.00	267	127.00	96128	191.00	705	265.00	2180
50.00	23880	128.00	7331	192.00	2324	272.00	221
51.00	86136	129.00	41936	193.00	2177	273.00	2725
52.00	4085	130.00	3590	194.00	247	274.00	9069
55.00	217	131.00	498	195.00	219	275.00	45632
56.00	3028	134.00	1312	196.00	6201	276.00	6093
57.00	6254	135.00	3366	198.00	195072	277.00	4080
61.00	1217	136.00	1389	199.00	12907	278.00	558
62.00	1250	137.00	1772	200.00	1157	285.00	861
63.00	3805	140.00	234	201.00	1131	293.00	777
65.00	1848	141.00	5488	203.00	1423	296.00	12563
69.00	107912	142.00	1694	204.00	6812	297.00	1609
70.00	223	143.00	906	205.00	11615	303.00	1350
73.00	978	145.00	218	206.00	44888	314.00	515
74.00	10631	146.00	936	207.00	6064	315.00	1440
75.00	15996	147.00	2622	208.00	1703	316.00	726
76.00	5533	148.00	5604	209.00	273	323.00	3796
77.00	101624	149.00	1058	210.00	698	324.00	616
78.00	6921	151.00	274	211.00	1970	327.00	537
79.00	8251	152.00	280	212.00	220	328.00	229
80.00	5941	153.00	1756	215.00	509	333.00	248
81.00	7970	154.00	1020	216.00	784	334.00	2561
82.00	2168	155.00	2747	217.00	12453	335.00	609
83.00	1667	156.00	4215	218.00	1467	341.00	270
85.00	1517	157.00	959	221.00	9497	346.00	780
86.00	2611	158.00	1164	222.00	1155	352.00	944
87.00	1049	159.00	541	223.00	2974	353.00	486
91.00	1896	160.00	1724	224.00	24400	354.00	1301
92.00	2542	161.00	2172	225.00	6721	365.00	5941
93.00	12903	162.00	265	226.00	476	366.00	628
94.00	554	165.00	1976	227.00	11016	372.00	2069
96.00	242	166.00	1326	228.00	1574	373.00	562

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\DFTPP6.d

Date : 15-NOV-2012 07:22

Client ID: DFTPP6 Instrument: smsd04.i

Sample Info: 47137

Volume Injected (uL): 1.0 Operator: MJ

Column phase: Column diameter: 2.00

Data File: DFTPP6.d
Spectrum: Avg. Scans 594-596 (7.47), Background Scan 590
Location of Maximum: 198.00
Number of points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	9971	167.00	10002	229.00	2155	383.00	529
99.00	7377	168.00	4554	231.00	968	402.00	722
100.00	488	169.00	609	234.00	542	403.00	814
101.00	4240	172.00	771	235.00	500	404.00	227
103.00	1713	173.00	1040	236.00	240	421.00	876
104.00	2642	174.00	2043	237.00	1103	422.00	976
105.00	2175	175.00	3658	240.00	220	423.00	7019
107.00	30040	176.00	959	241.00	588	424.00	2051
108.00	4721	177.00	1993	242.00	1095	439.00	576
110.00	59848	178.00	625	243.00	1548	441.00	21944
111.00	8493	179.00	6893	244.00	18336	442.00	127864
112.00	1087	180.00	5088	245.00	2572	443.00	25088
116.00	2031	181.00	2158	246.00	3970	444.00	2172
117.00	25224	184.00	339	247.00	646		
118.00	1887	185.00	3302	255.00	100264		
122.00	2088	186.00	25896	256.00	14669		

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/15/2012 07:38

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SS.b/DFTPP6.d

DFTPP TUNE/TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 11/26/2012 18:06

Datafile Analyzed: //Svecd04/DD/chem/smsd04.i/S41114SScal.b/DFTPP6.d

PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d
Lab Smp Id: 47965 Client Smp ID: BSCAL4
Inj Date : 15-NOV-2012 07:40 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47965
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-NOV-2012 10:28 Cal File: AP9CAL4.d
Als bottle: 34 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	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	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	TARGET RANGE	RATIO
9 Benzaldehyde							CAS #: 100-52-7	
3.931	3.929 (0.915)		77	144451	45.0000	44.6	80.00- 120.00	100.00(a)
3.931	3.929 (0.915)		106	116466			52.13- 112.13	80.63
3.931	3.929 (0.915)		51	66564			17.54- 77.54	46.08
* 18 1,4-Dichlorobenzene-d4							CAS #: 3855-82-1	
4.297	4.294 (1.000)		152	101386	40.0000		80.00- 120.00	100.00
4.296	4.294 (1.000)		115	64446			34.81- 94.81	63.56
4.296	4.294 (1.000)		150	157234			126.51- 186.51	155.08
25 Acetophenone							CAS #: 98-86-2	
4.675	4.675 (0.855)		105	222727	45.0000	44.5	80.00- 120.00	100.00
4.674	4.675 (0.855)		77	207835			60.51- 120.51	93.31
4.674	4.674 (0.855)		51	69575			1.60- 61.60	31.24
* 43 Naphthalene-d8							CAS #: 1146-65-2	
5.465	5.463 (1.000)		136	343987	40.0000		80.00- 120.00	100.00
5.464	5.463 (1.000)		68	25729			0.00- 37.51	7.48
50 Caprolactam							CAS #: 105-60-2	
5.841	5.836 (1.069)		55	70369	45.0000	46.5	80.00- 120.00	100.00(a)

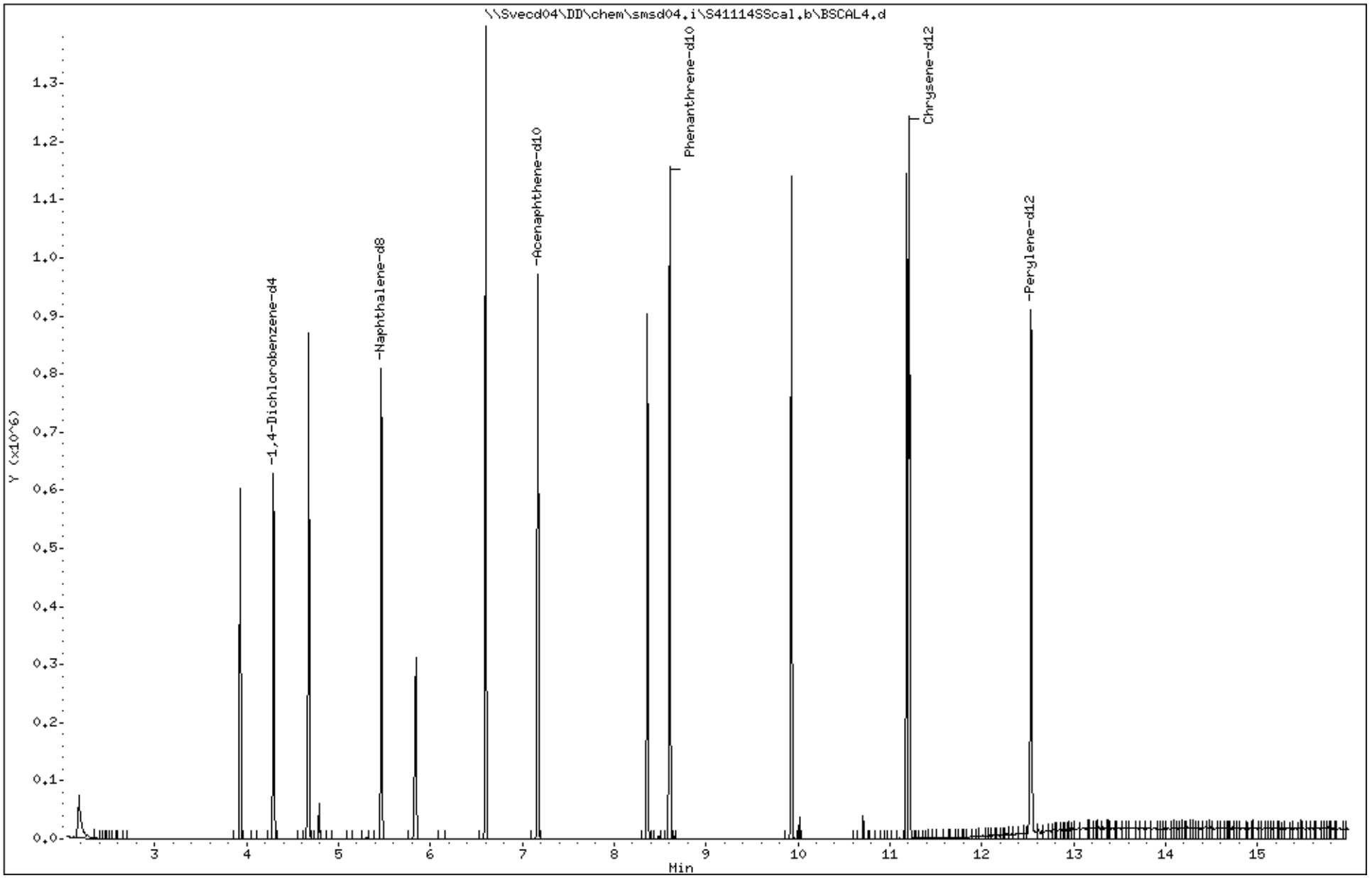
RT	EXP RT	REL RT	MASS	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)	TARGET RANGE	RATIO
50 Caprolactam (continued)								
5.841	5.836	(1.069)	113	47133			40.21- 100.21	66.98
5.841	5.836	(1.069)	85	35176			19.92- 79.92	49.99
61 1,1-Biphenyl						CAS #: 92-52-4		
6.598	6.598	(0.920)	154	375067	45.0000	43.1	80.00- 120.00	100.00(a)
6.598	6.597	(0.920)	76	58794			0.00- 46.03	15.68
6.598	6.597	(0.920)	51	28123			0.00- 37.80	7.50
* 70 Acenaphthene-d10						CAS #: 15067-26-2		
7.169	7.167	(1.000)	164	223992	40.0000		80.00- 120.00	100.00
7.169	7.168	(1.000)	162	211252			66.12- 126.12	94.31
7.169	7.167	(1.000)	160	94919			13.21- 73.21	42.38
95 Atrazine						CAS #: 1912-24-9		
8.366	8.364	(0.972)	200	109896	45.0000	44.7	80.00- 120.00	100.00(a)
8.365	8.363	(0.972)	58	48324			14.20- 74.20	43.97
8.366	8.364	(0.972)	215	54792			20.34- 80.34	49.86
* 100 Phenanthrene-d10						CAS #: 1517-22-2		
8.603	8.604	(1.000)	188	416316	40.0000		80.00- 120.00	100.00
8.603	8.604	(1.000)	94	42847			0.00- 40.39	10.29
8.602	8.603	(1.000)	80	48034			0.00- 41.55	11.54
110 Benzidine						CAS #: 92-87-5		
9.929	9.927	(0.885)	184	394967	45.0000	42.6	80.00- 120.00	100.00(a)
9.928	9.927	(0.885)	92	33478			0.00- 38.66	8.48
9.929	9.927	(0.885)	185	54916			0.00- 43.92	13.90
122 3,3'-Dichlorobenzidine						CAS #: 91-94-1		
11.183	11.181	(0.997)	252	234593	45.0000	42.8	80.00- 120.00	100.00(a)
11.183	11.181	(0.997)	254	149087			34.93- 94.93	63.55
11.182	11.180	(0.997)	126	27215			0.00- 41.83	11.60
* 121 Chrysene-d12						CAS #: 1719-03-5		
11.213	11.211	(1.000)	240	481557	40.0000		80.00- 120.00	100.00
11.213	11.210	(1.000)	120	48926			0.00- 40.02	10.16
11.213	11.210	(1.000)	236	119169			0.00- 54.50	24.75
* 130 Perylene-d12						CAS #: 1520-96-3		
12.535	12.532	(1.000)	264	420263	40.0000		80.00- 120.00	100.00
12.535	12.533	(1.000)	260	93311			0.00- 52.70	22.20
12.535	12.532	(1.000)	265	91392			0.00- 52.11	21.75

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d
Date : 15-NOV-2012 07:40
Client ID: BSCAL4
Sample Info: 47965

Instrument: smsd04.i
Operator: MJ
Column phase: HPMS-5
Column diameter: 0.25



1050

3507601

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

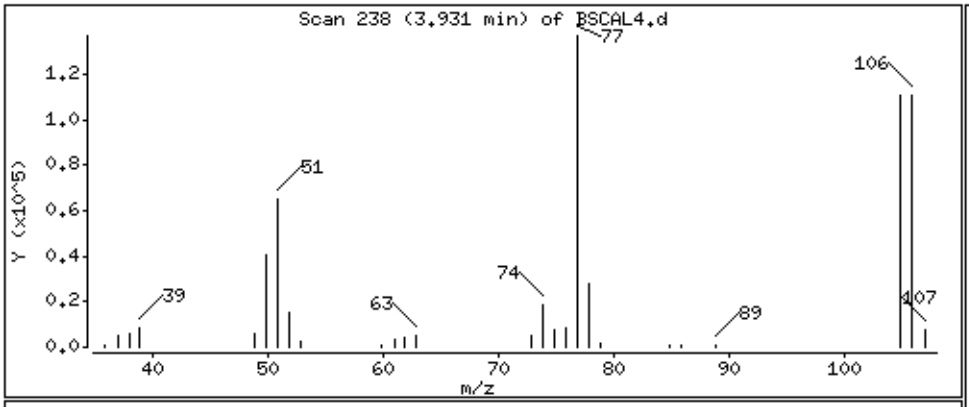
Operator: MJ

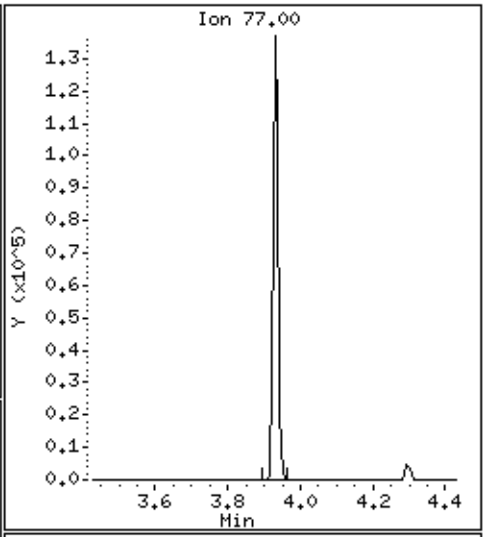
Column phase: HPMS-5

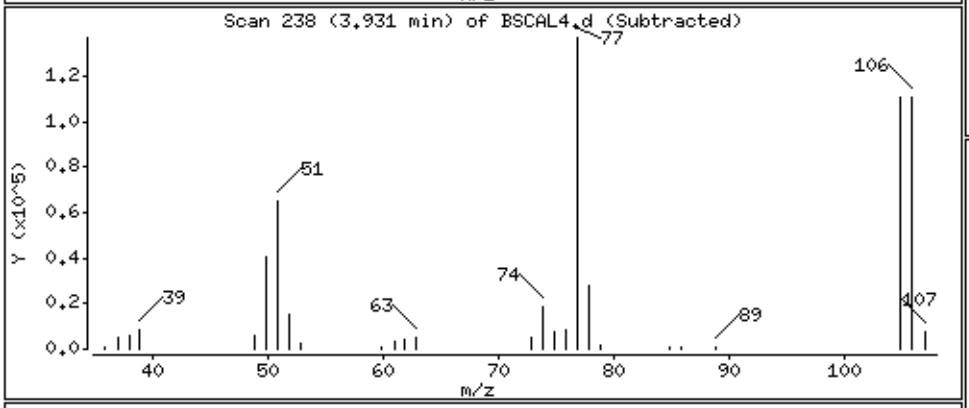
Column diameter: 0.25

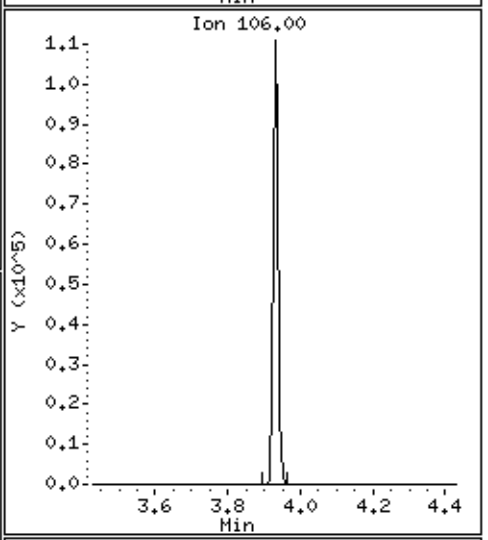
9 Benzaldehyde

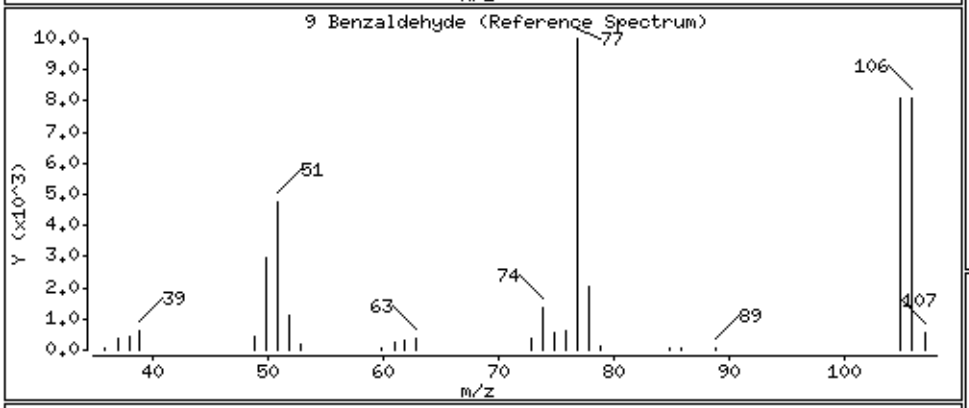
Concentration: 44.6 ug/kg

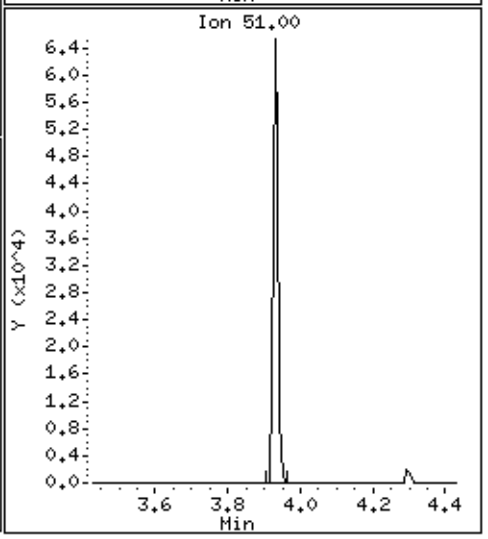


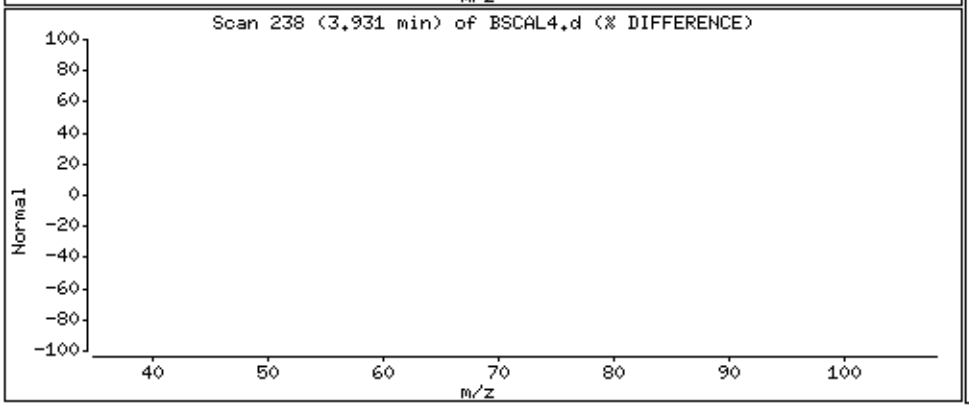












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

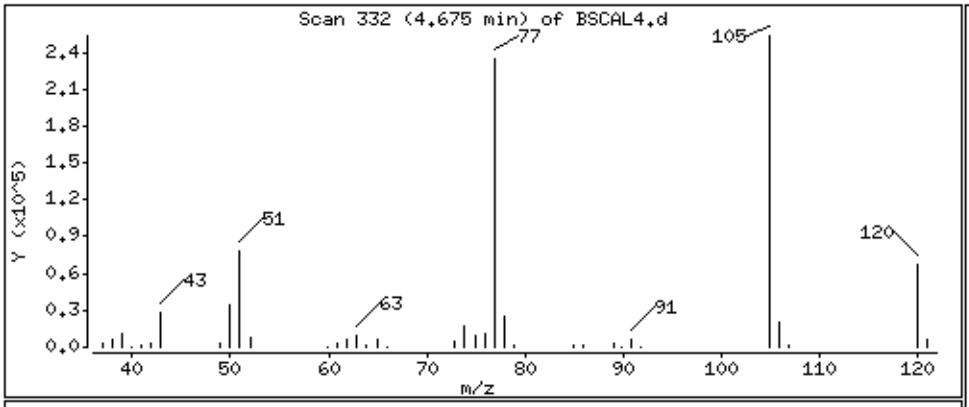
Operator: MJ

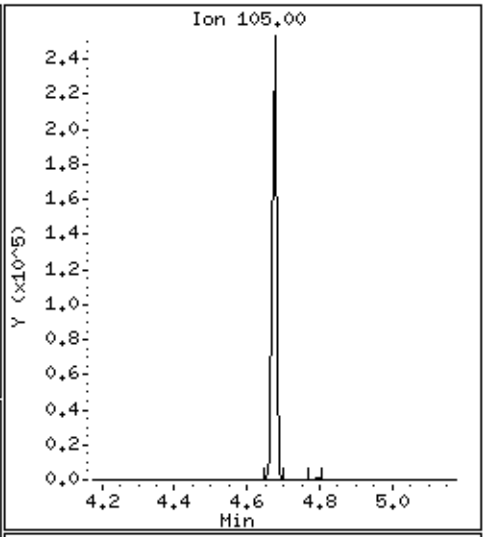
Column phase: HPMS-5

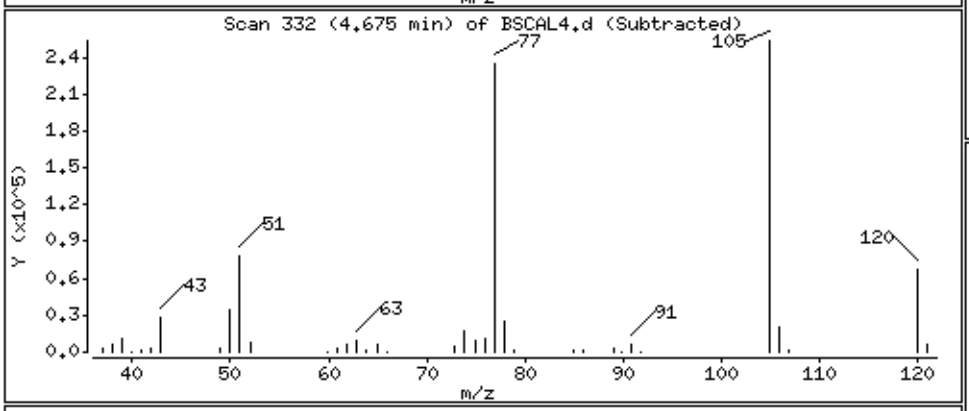
Column diameter: 0.25

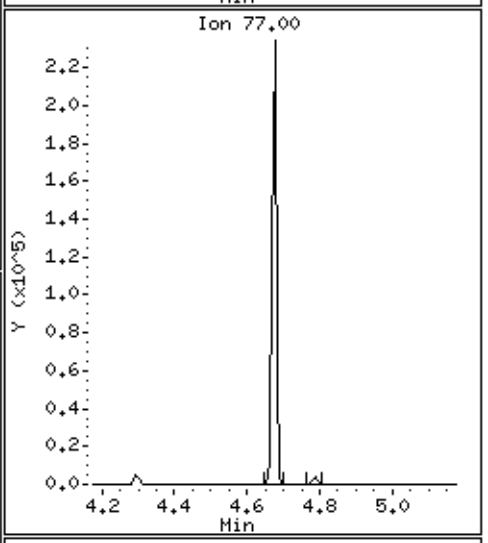
25 Acetophenone

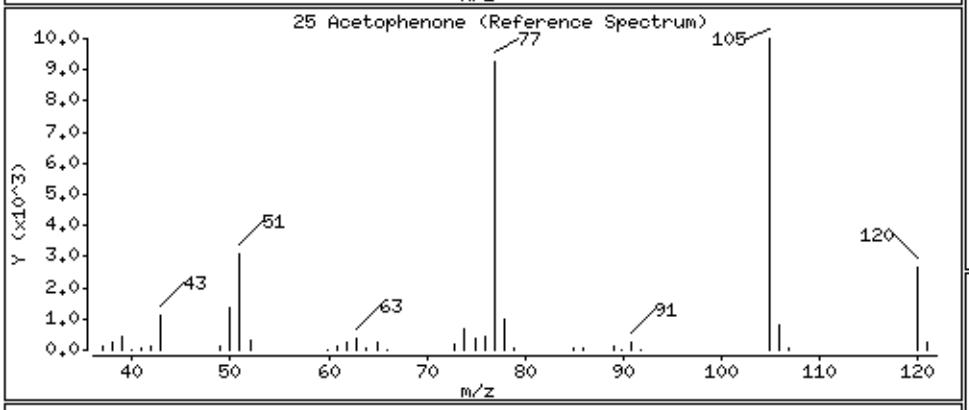
Concentration: 44.5 ug/kg

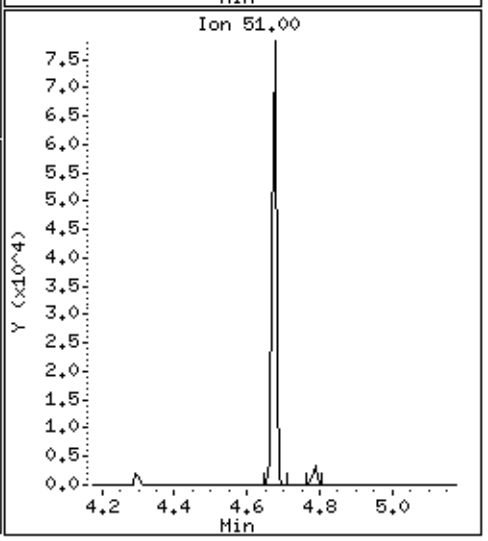


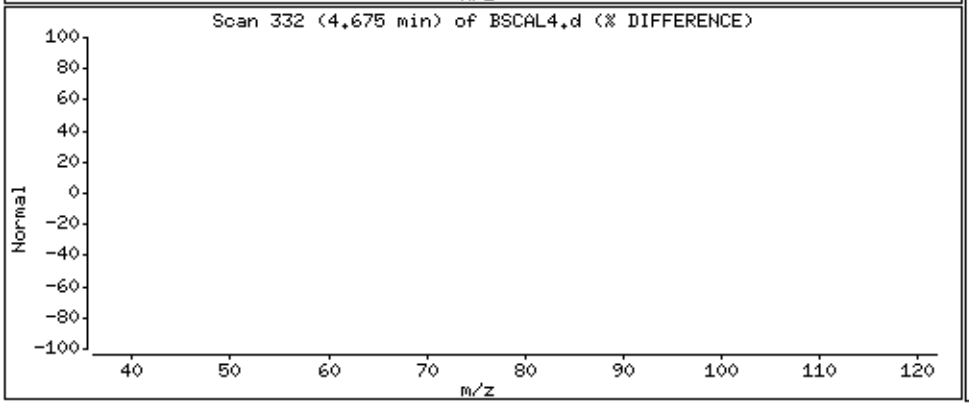












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

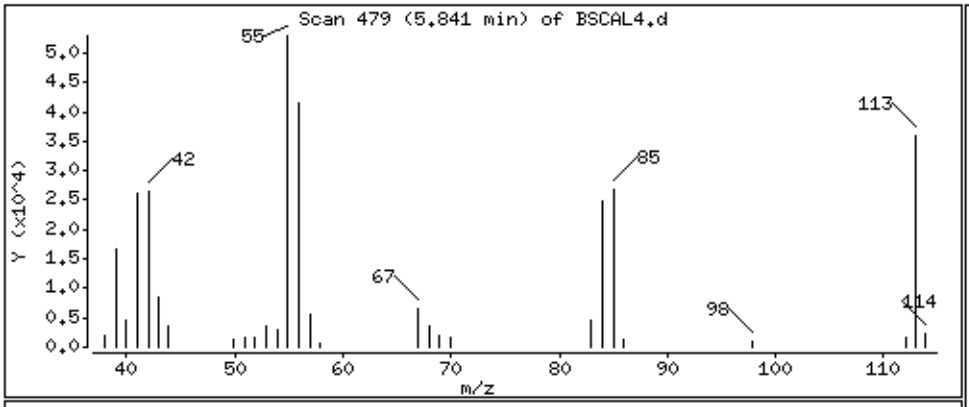
Operator: MJ

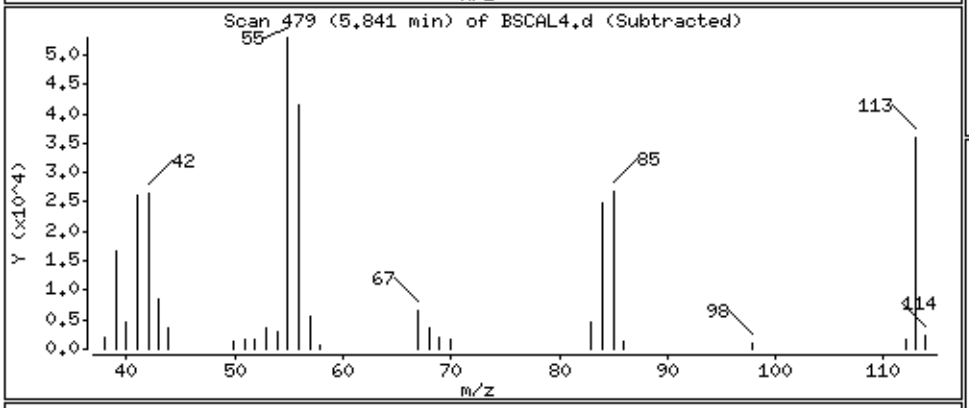
Column phase: HPMS-5

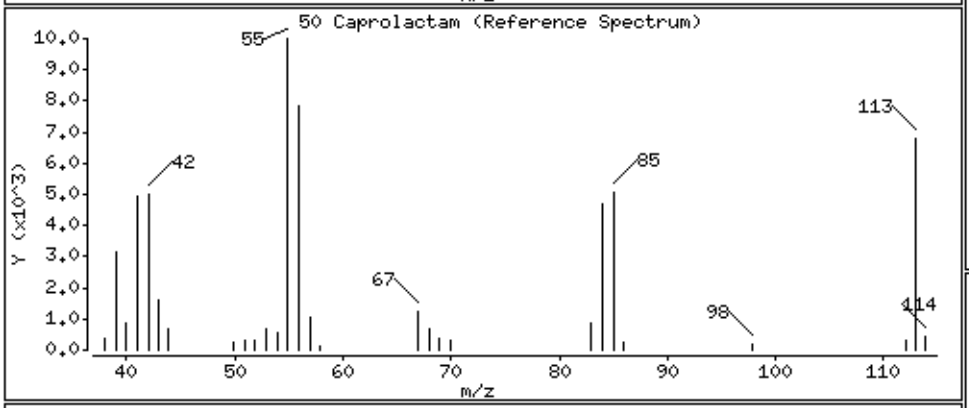
Column diameter: 0.25

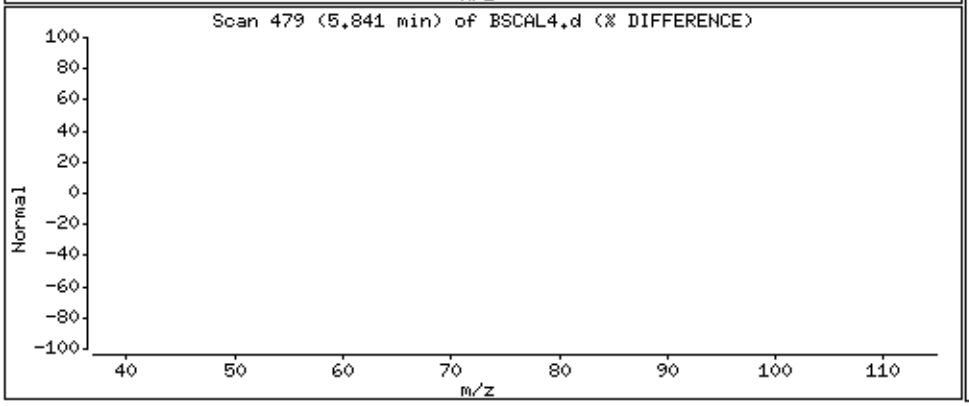
50 Caprolactam

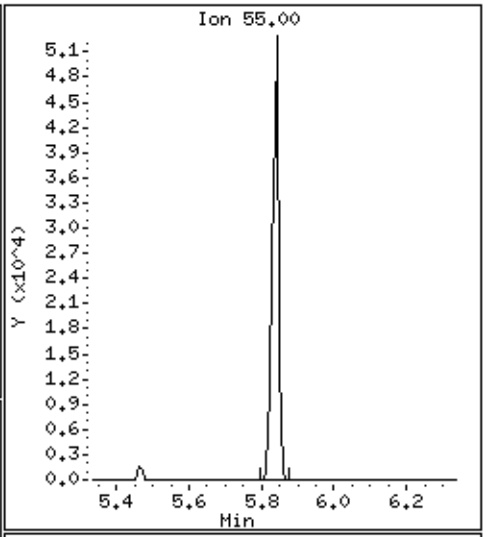
Concentration: 46.5 ug/kg

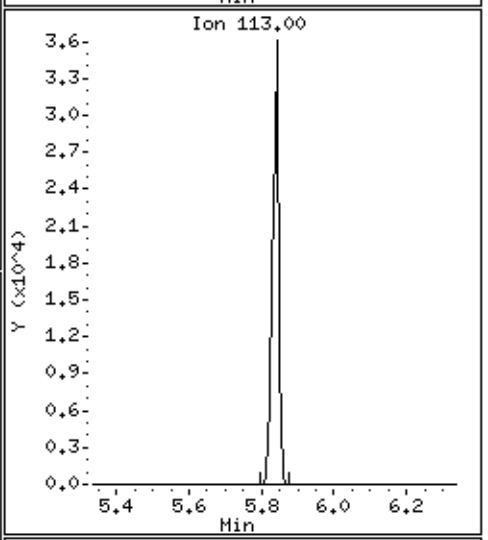


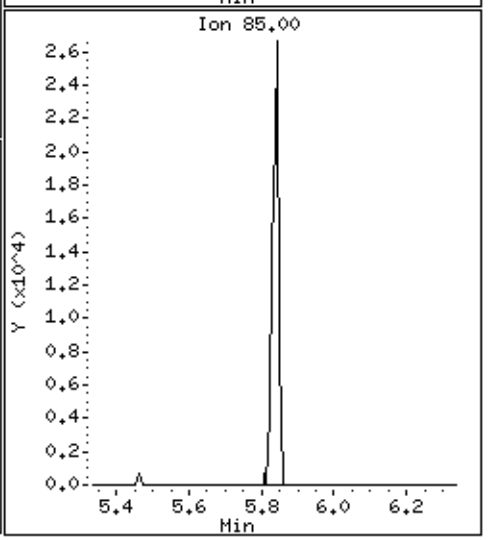












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

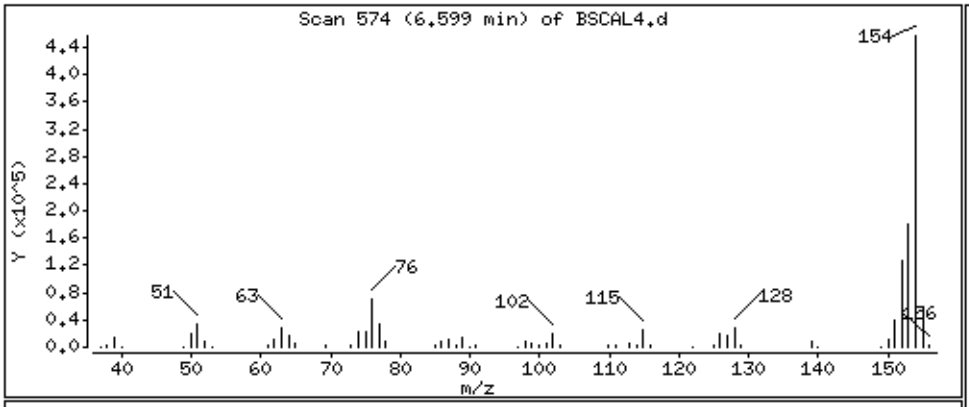
Operator: MJ

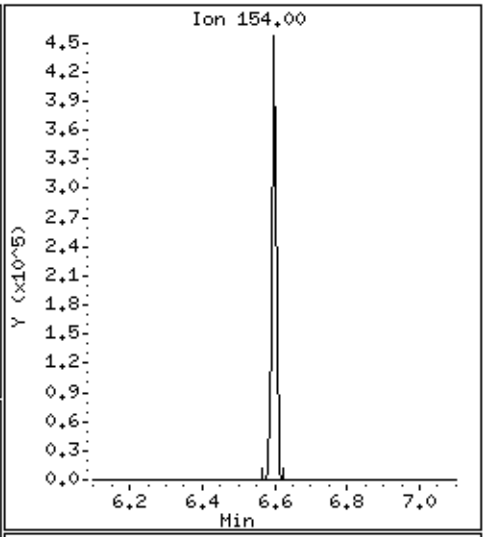
Column phase: HPMS-5

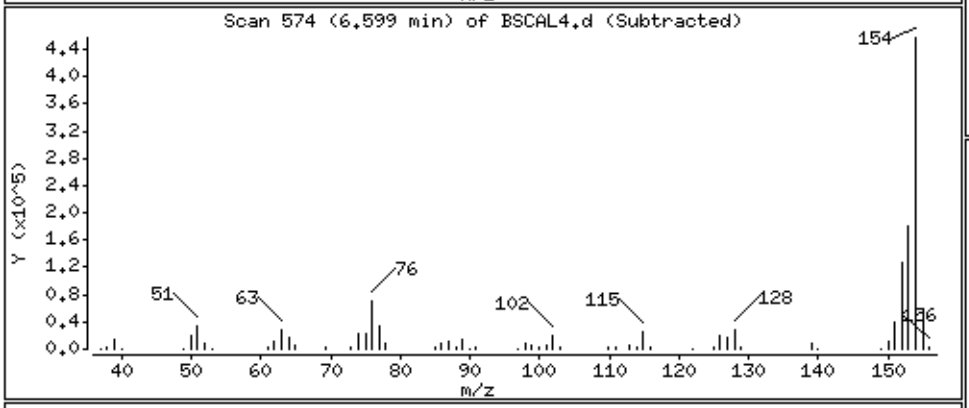
Column diameter: 0.25

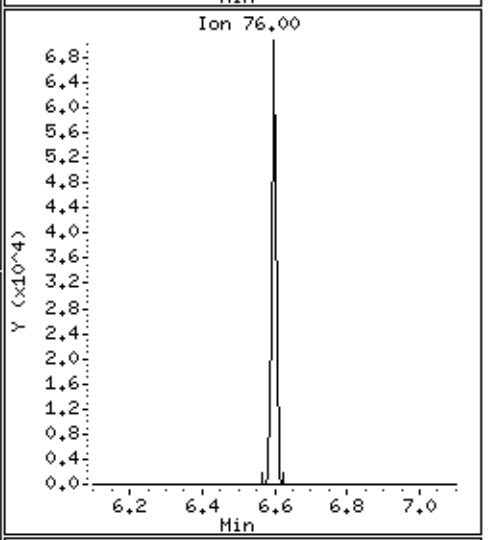
61 1,1-Biphenyl

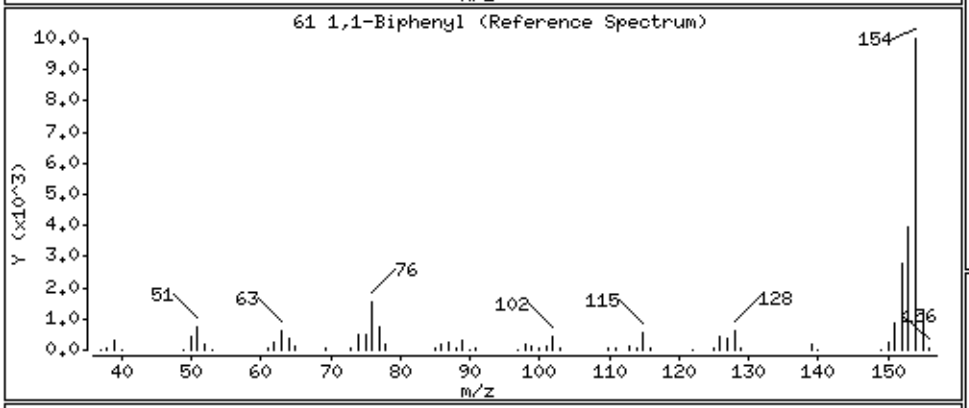
Concentration: 43.1 ug/kg

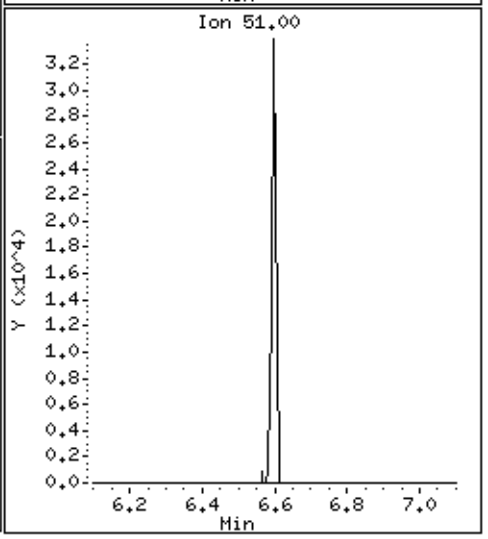


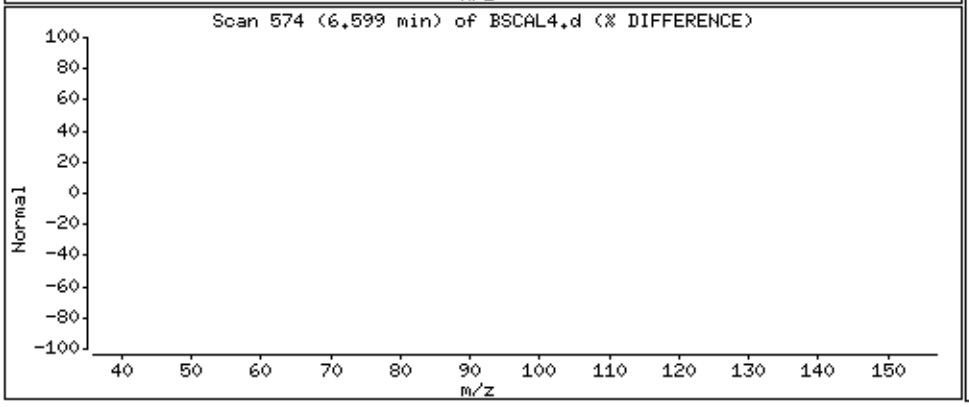












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

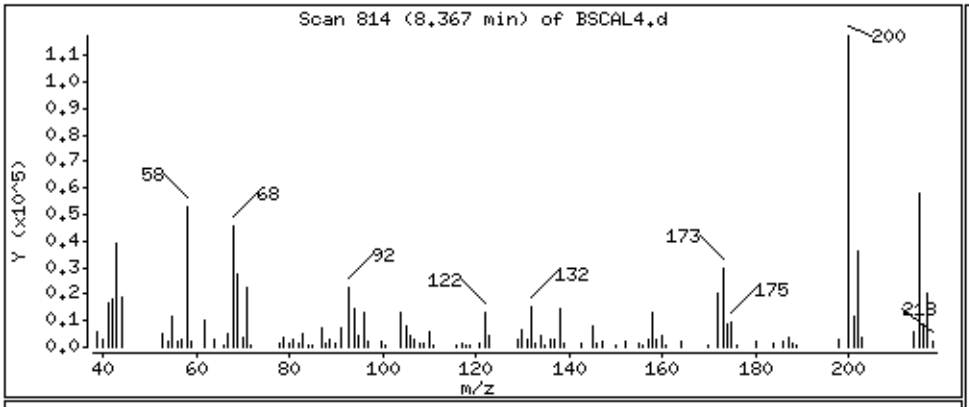
Operator: MJ

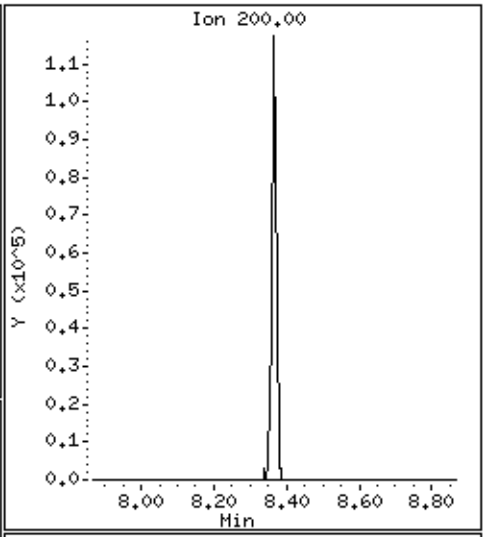
Column phase: HPMS-5

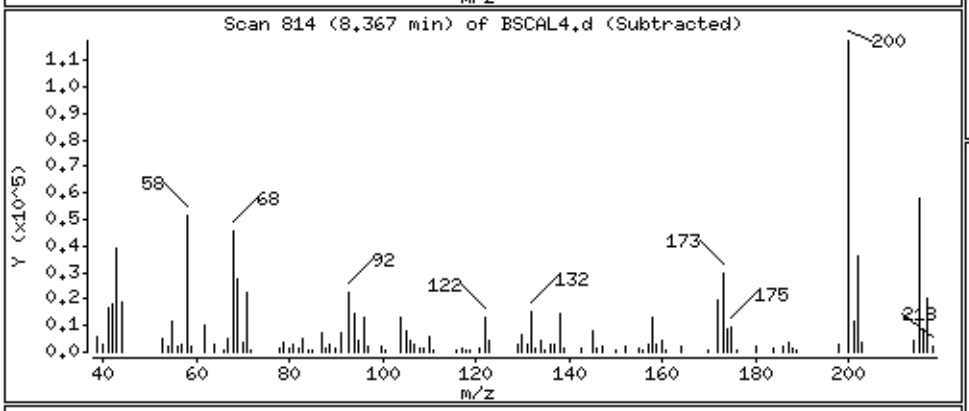
Column diameter: 0.25

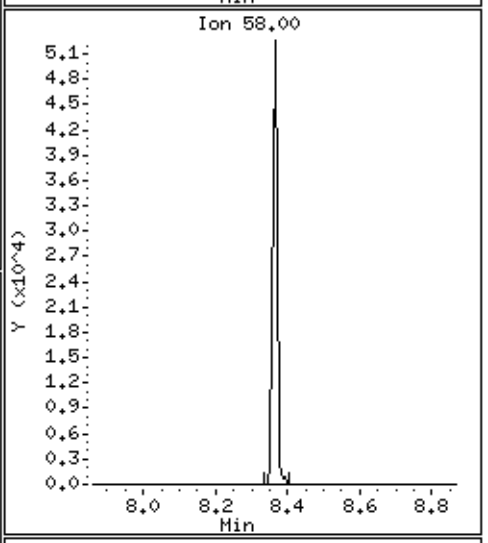
95 Atrazine

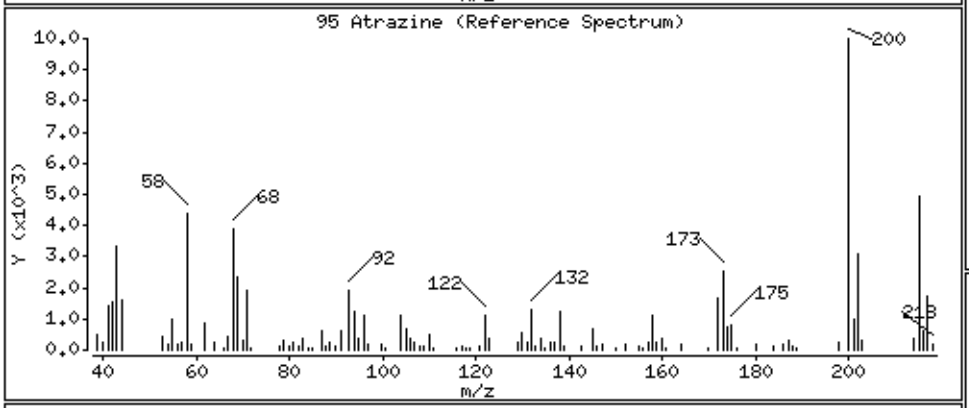
Concentration: 44.7 ug/kg

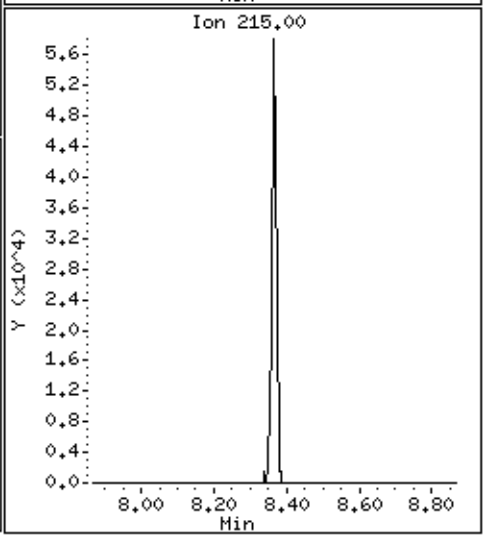


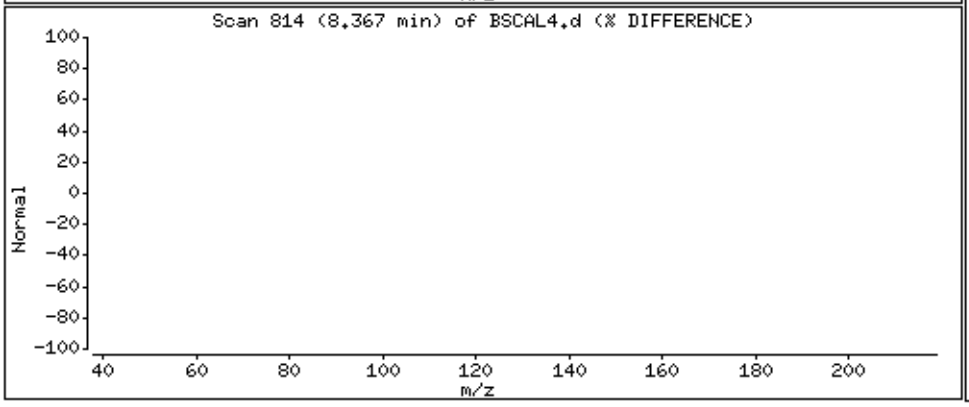












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

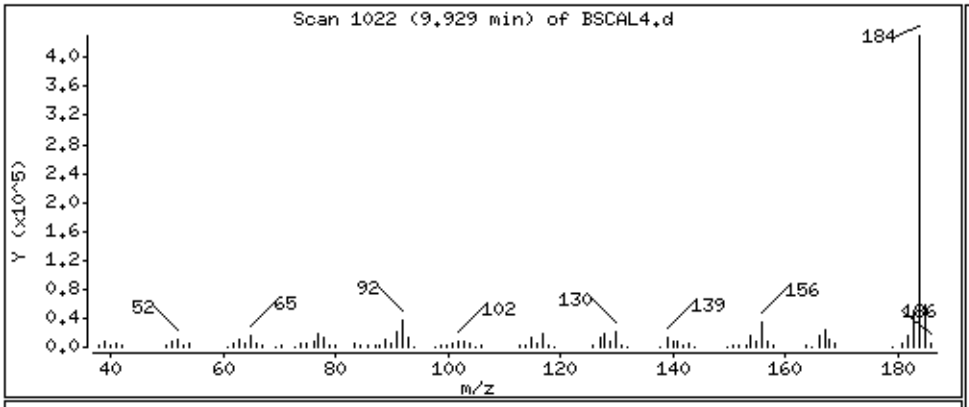
Operator: MJ

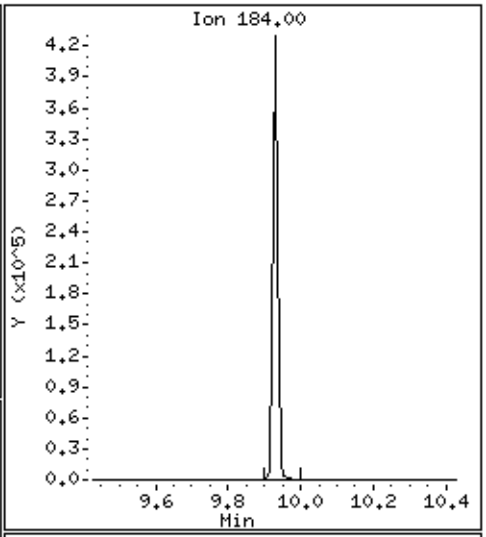
Column phase: HPMS-5

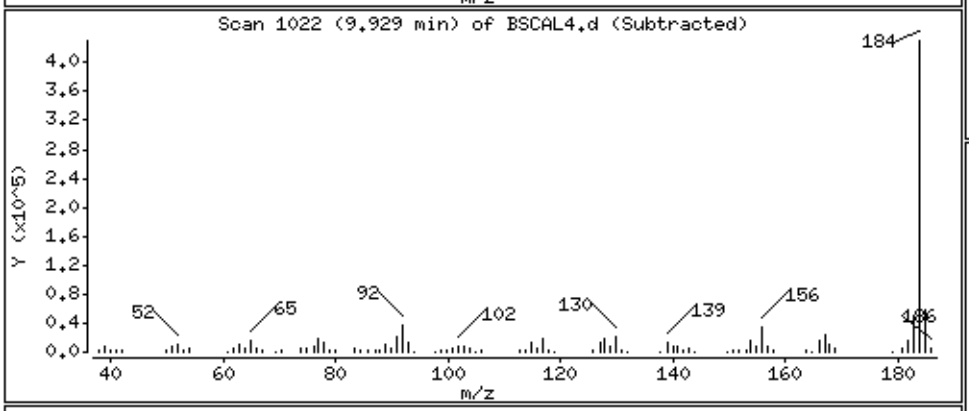
Column diameter: 0.25

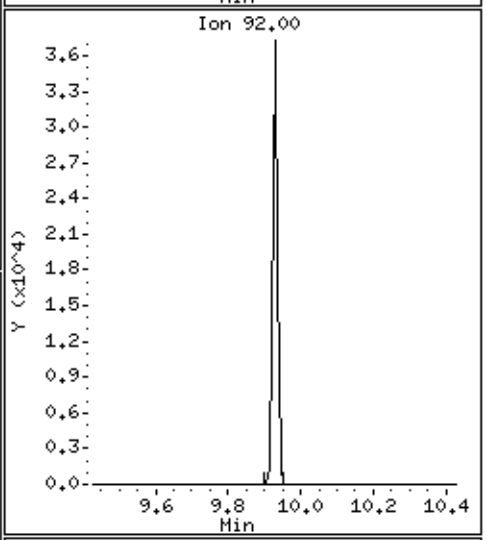
110 Benzidine

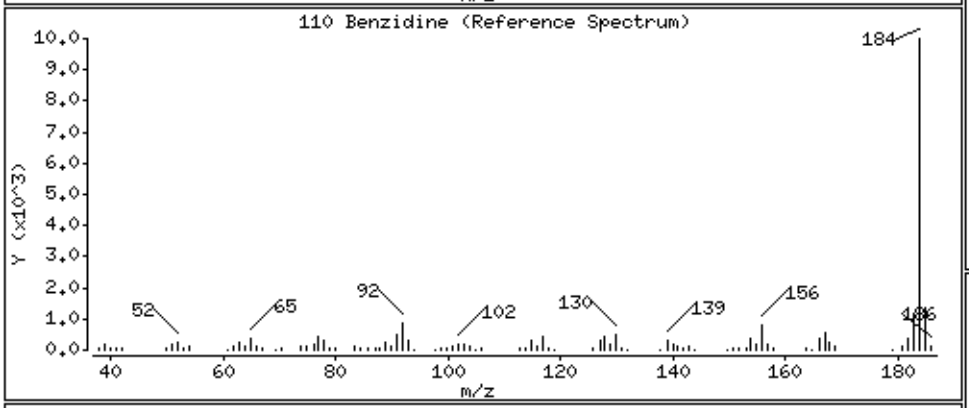
Concentration: 42.6 ug/kg

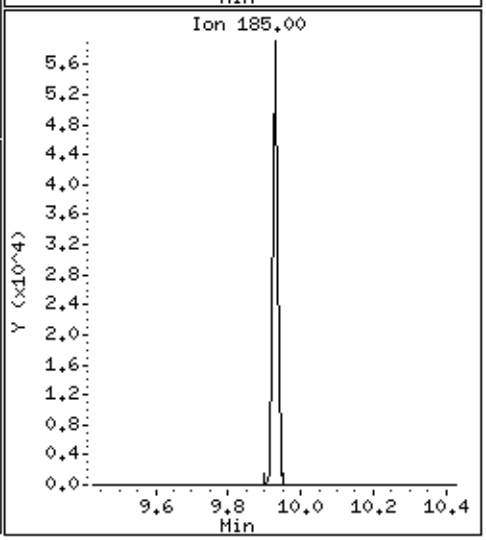


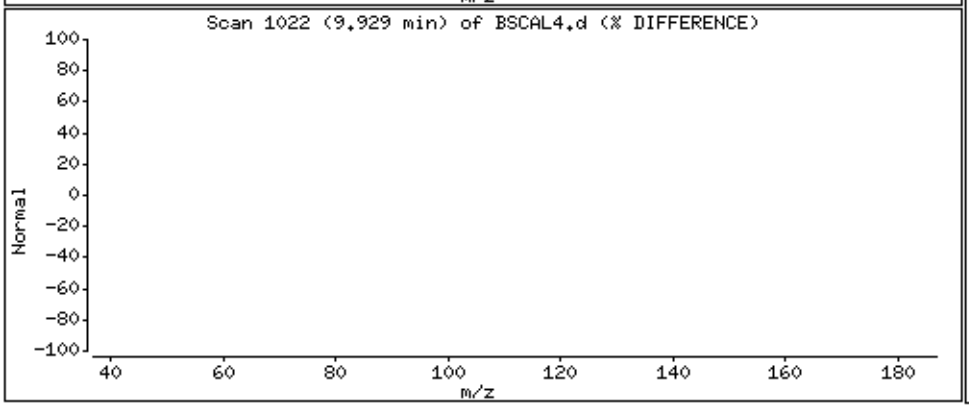












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL4.d

Date : 15-NOV-2012 07:40

Client ID: BSCAL4

Instrument: smsd04.i

Sample Info: 47965

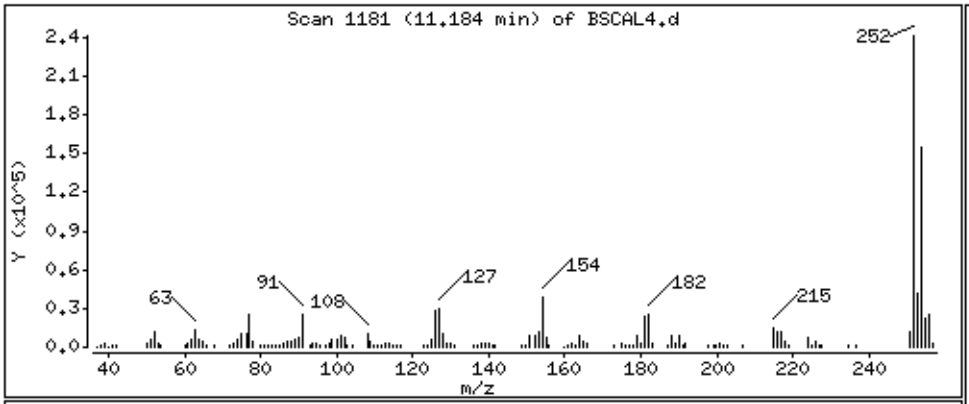
Operator: MJ

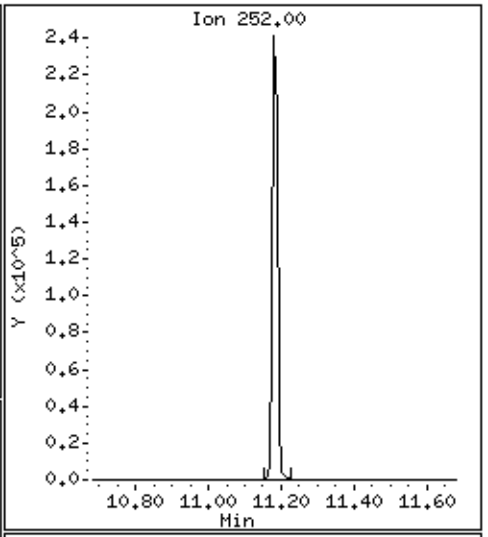
Column phase: HPMS-5

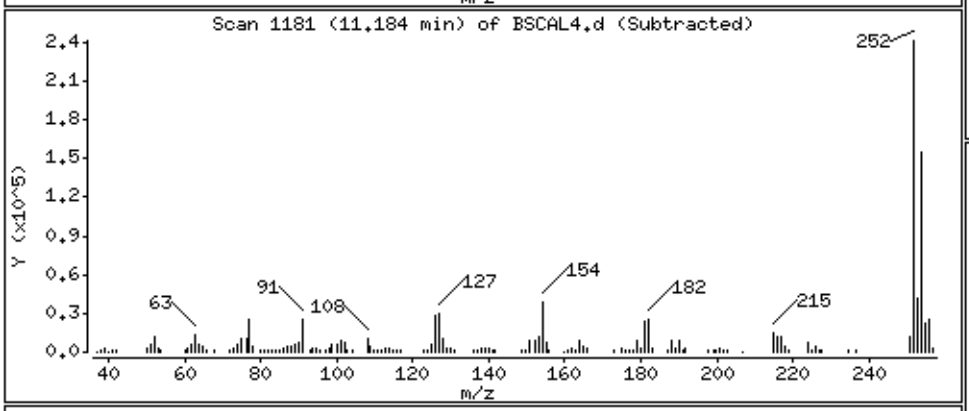
Column diameter: 0.25

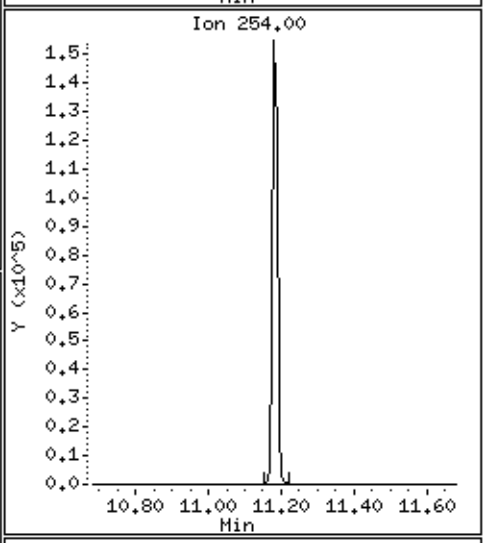
122 3,3'-Dichlorobenzidine

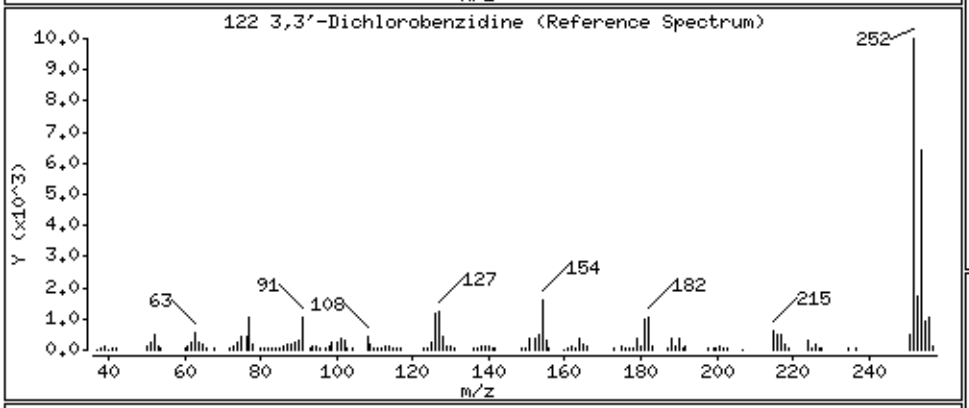
Concentration: 42.8 ug/kg

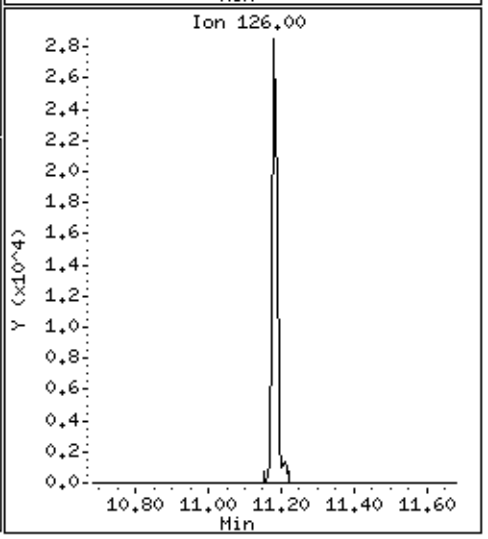


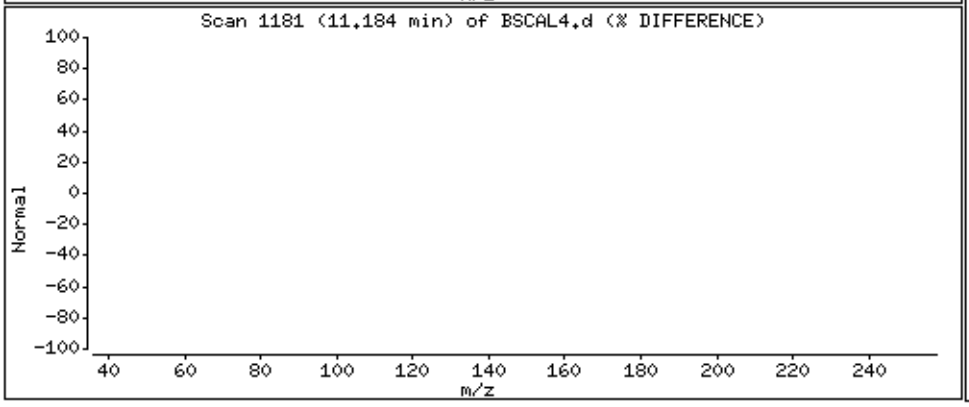












PEL Laboratories, Inc.

Data file : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d
Lab Smp Id: 47966 Client Smp ID: BSCAL3
Inj Date : 15-NOV-2012 08:01 MS Autotune Date: 07-MAR-2012 16:32
Operator : MJ Inst ID: smsd04.i
Smp Info : 47966
Misc Info :
Comment :
Method : \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\8270bcs.m
Meth Date : 26-Nov-2012 13:58 smsd04.i Quant Type: ISTD
Cal Date : 15-NOV-2012 10:49 Cal File: AP9CAL3.d
Als bottle: 35 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: BZSOWcal.sub
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * (1/((Ws * (1-(M/100)))/1000))*Vf * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Ws	15.000	Weight of sample extracted (g)
M	0.00000	% Moisture
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
9 Benzaldehyde						CAS #: 100-52-7		
3.930	3.929 (0.915)		77	52610	20.0000	19.4	80.00- 120.00	100.00(a)
3.930	3.929 (0.915)		106	43144			52.13- 112.13	82.01
3.930	3.929 (0.915)		51	25147			17.54- 77.54	47.80
* 18 1,4-Dichlorobenzene-d4						CAS #: 3855-82-1		
4.295	4.294 (1.000)		152	85241	40.0000		80.00- 120.00	100.00
4.295	4.294 (1.000)		115	55761			34.81- 94.81	65.42
4.295	4.294 (1.000)		150	131373			126.51- 186.51	154.12
25 Acetophenone						CAS #: 98-86-2		
4.673	4.675 (0.855)		105	79534	20.0000	18.6	80.00- 120.00	100.00
4.673	4.675 (0.855)		77	75722			60.51- 120.51	95.21
4.673	4.674 (0.855)		51	24666			1.60- 61.60	31.01
* 43 Naphthalene-d8						CAS #: 1146-65-2		
5.463	5.463 (1.000)		136	293880	40.0000		80.00- 120.00	100.00
5.463	5.463 (1.000)		68	22596			0.00- 37.51	7.69
50 Caprolactam						CAS #: 105-60-2		
5.828	5.836 (1.067)		55	23796	20.0000	18.2	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
	50 Caprolactam (continued)							
5.828	5.836	(1.067)	113	15447			40.21- 100.21	64.91
5.828	5.836	(1.067)	85	12378			19.92- 79.92	52.02
	61 1,1-Biphenyl					CAS #: 92-52-4		
6.597	6.598	(0.920)	154	135762	20.0000	18.8	80.00- 120.00	100.00(a)
6.597	6.597	(0.920)	76	21991			0.00- 46.03	16.20
6.596	6.597	(0.920)	51	10509			0.00- 37.80	7.74
*	70 Acenaphthene-d10					CAS #: 15067-26-2		
7.168	7.167	(1.000)	164	187863	40.0000		80.00- 120.00	100.00
7.168	7.168	(1.000)	162	176894			66.12- 126.12	94.16
7.168	7.167	(1.000)	160	81010			13.21- 73.21	43.12
	95 Atrazine					CAS #: 1912-24-9		
8.362	8.364	(0.972)	200	36427	20.0000	17.9	80.00- 120.00	100.00(a)
8.361	8.363	(0.972)	58	17005			14.20- 74.20	46.68
8.362	8.364	(0.972)	215	18857			20.34- 80.34	51.77
*	100 Phenanthrene-d10					CAS #: 1517-22-2		
8.602	8.604	(1.000)	188	345683	40.0000		80.00- 120.00	100.00
8.601	8.604	(1.000)	94	34059			0.00- 40.39	9.85
8.601	8.603	(1.000)	80	40510			0.00- 41.55	11.72
	110 Benzidine					CAS #: 92-87-5		
9.926	9.927	(0.885)	184	124958	20.0000	17.5	80.00- 120.00	100.00(a)
9.926	9.927	(0.885)	92	11064			0.00- 38.66	8.85
9.926	9.927	(0.885)	185	17426			0.00- 43.92	13.95
	122 3,3'-Dichlorobenzidine					CAS #: 91-94-1		
11.181	11.181	(0.997)	252	75783	20.0000	17.9	80.00- 120.00	100.00(a)
11.181	11.181	(0.997)	254	49848			34.93- 94.93	65.78
11.180	11.180	(0.997)	126	8909			0.00- 41.83	11.76
*	121 Chrysene-d12					CAS #: 1719-03-5		
11.211	11.211	(1.000)	240	376563	40.0000		80.00- 120.00	100.00
11.211	11.210	(1.000)	120	36946			0.00- 40.02	9.81
11.211	11.210	(1.000)	236	93034			0.00- 54.50	24.71
*	130 Perylene-d12					CAS #: 1520-96-3		
12.533	12.532	(1.000)	264	332416	40.0000		80.00- 120.00	100.00
12.533	12.533	(1.000)	260	73752			0.00- 52.70	22.19
12.532	12.532	(1.000)	265	70471			0.00- 52.11	21.20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Svecdo4\DD\chem\smsdo4.i\S411145Scal.b\BSCAL3.d
Date : 15-NOV-2012 08:01
Client ID: BSCAL3
Sample Info: 47966

Instrument: smsdo4.i
Operator: MJ
Column diameter: 0.25

Column phase: HPMS-5

Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

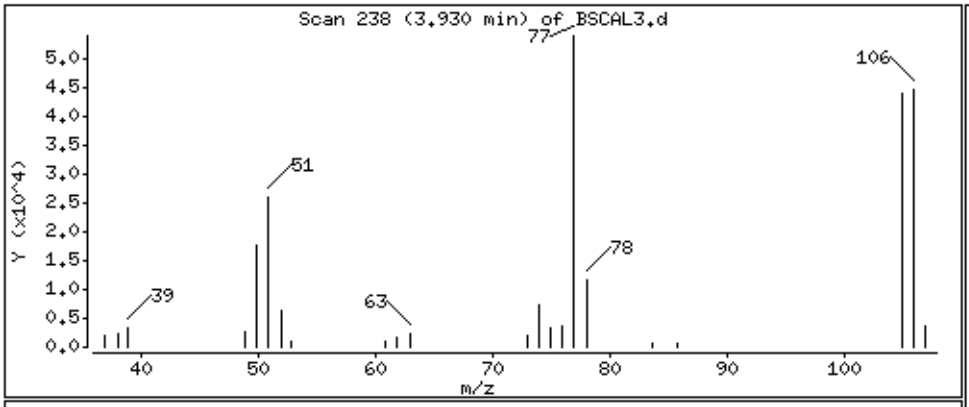
Operator: MJ

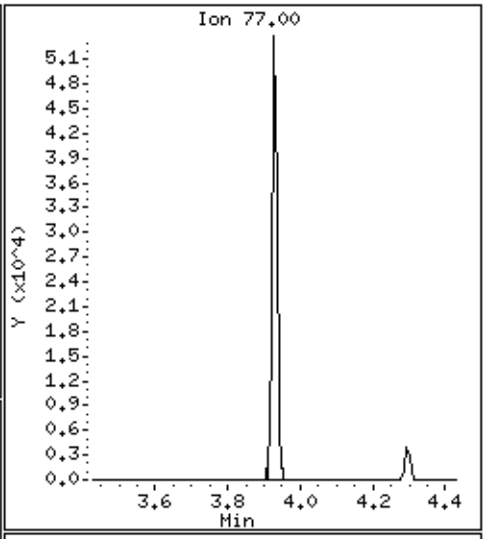
Column phase: HPMS-5

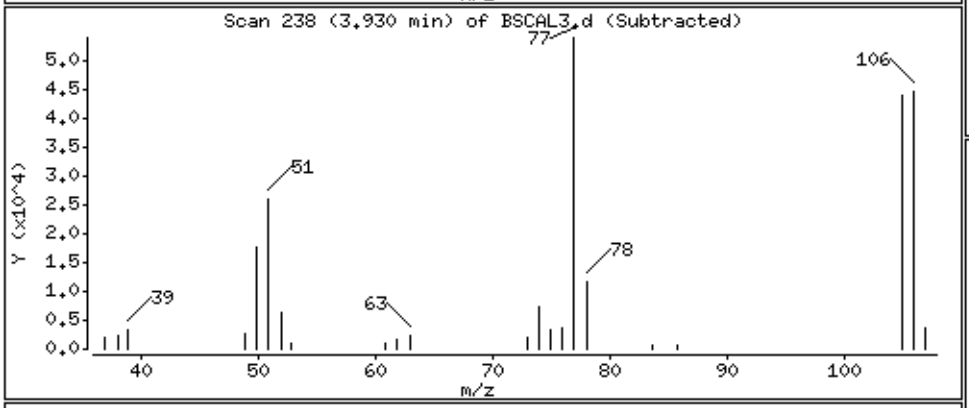
Column diameter: 0.25

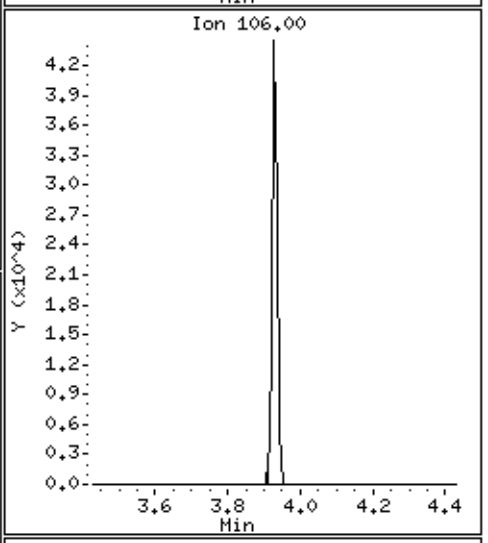
9 Benzaldehyde

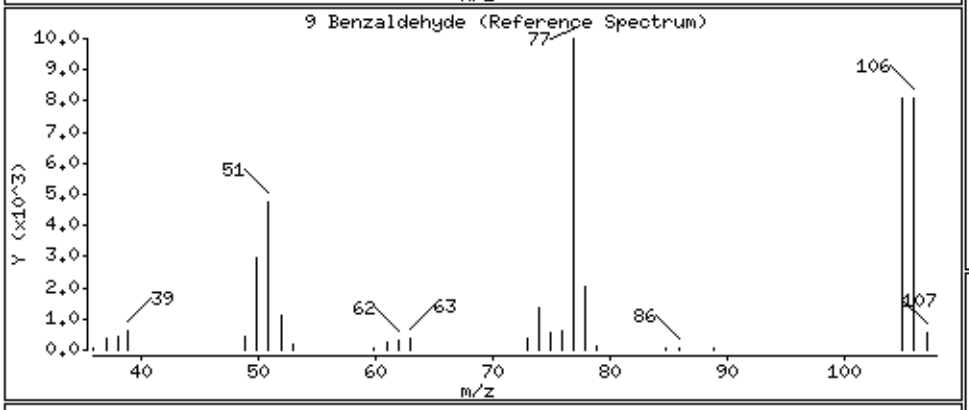
Concentration: 19.4 ug/kg

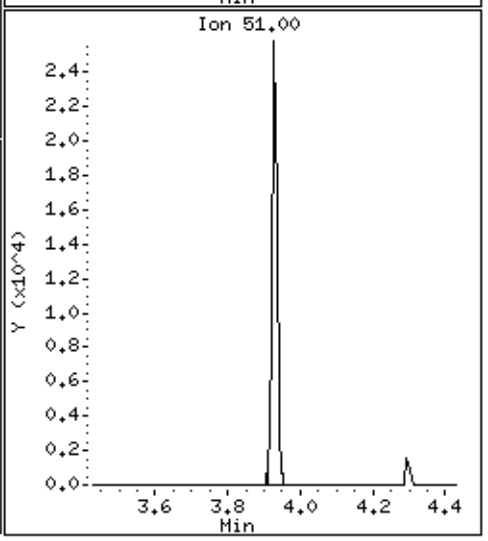


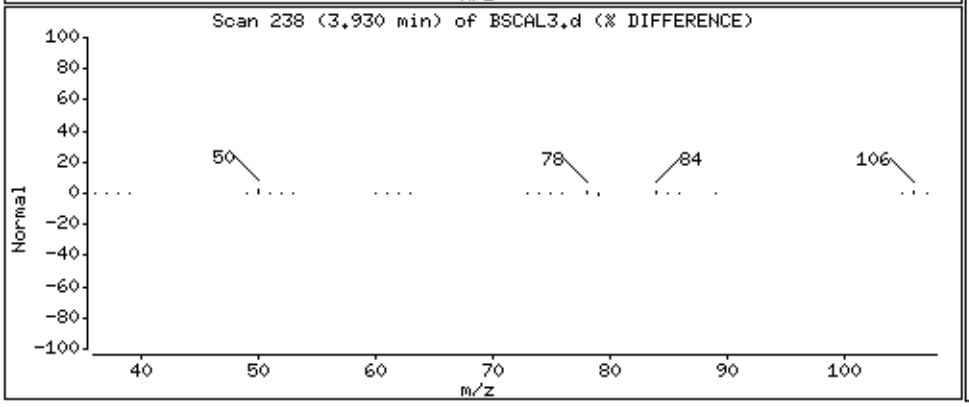












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

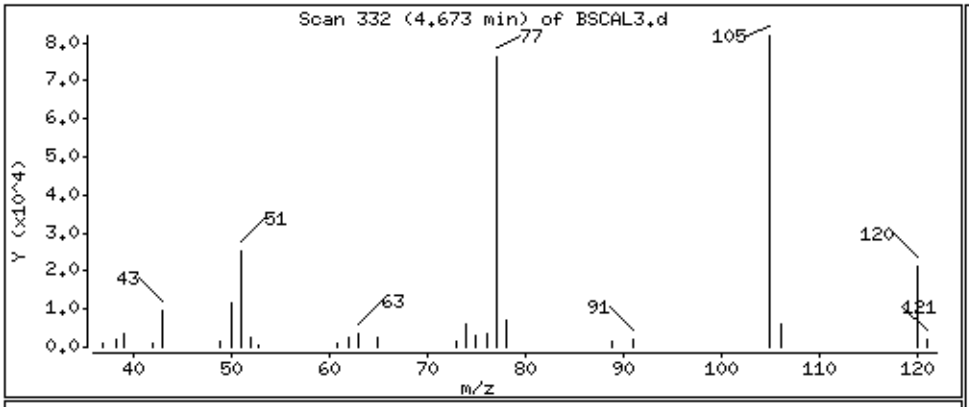
Operator: MJ

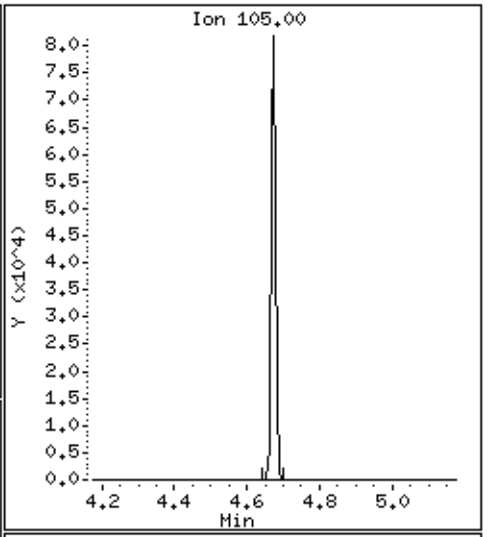
Column phase: HPMS-5

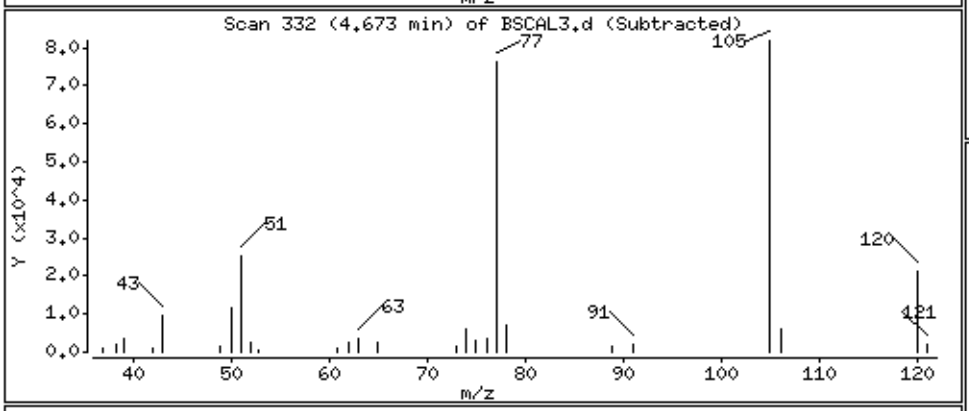
Column diameter: 0.25

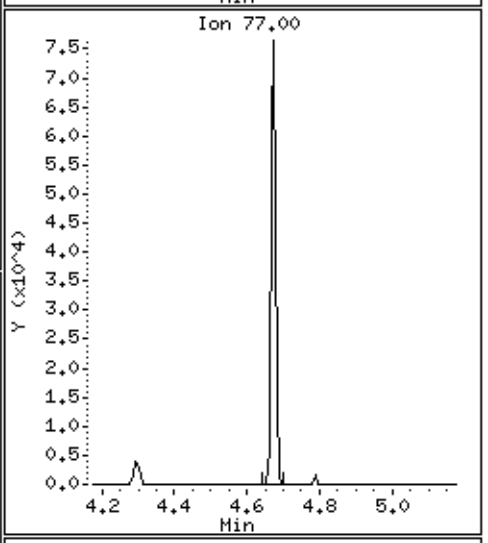
25 Acetophenone

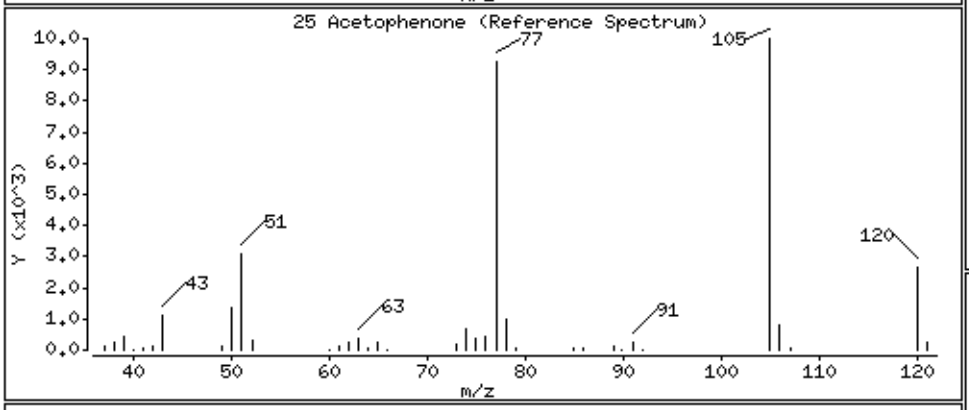
Concentration: 18.6 ug/kg

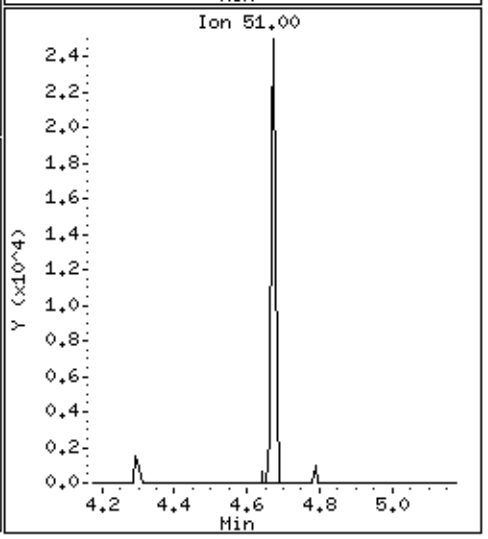


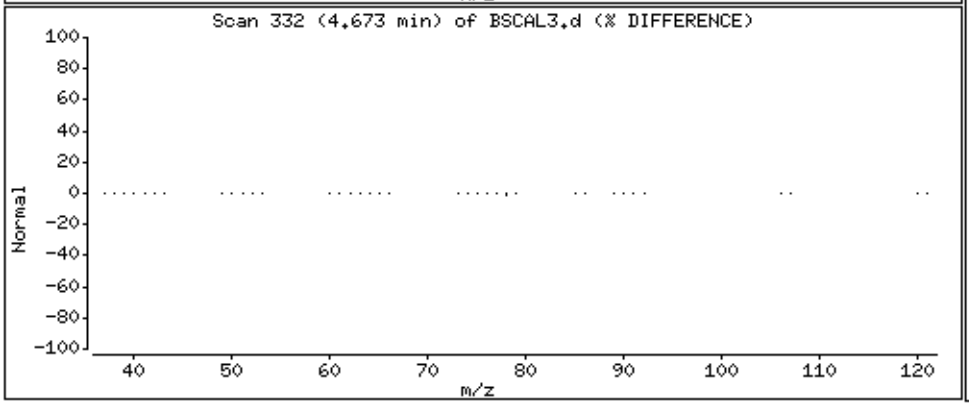












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

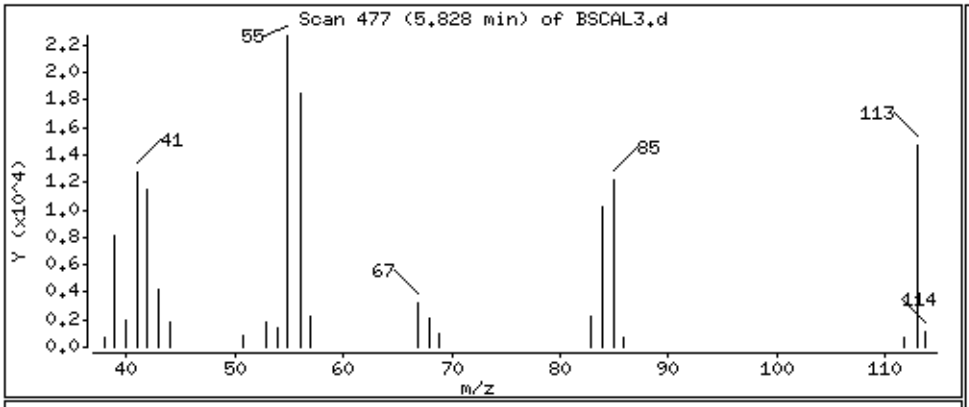
Operator: MJ

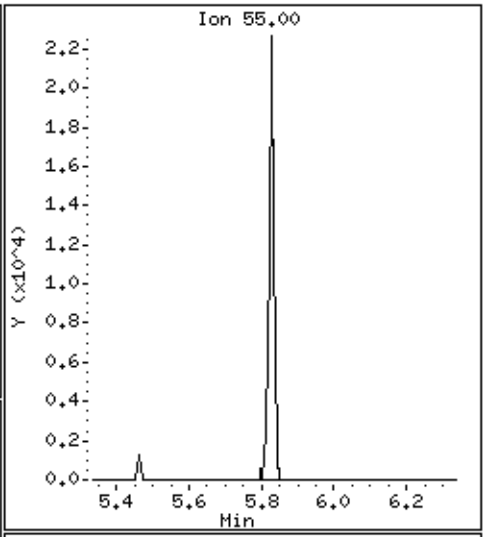
Column phase: HPMS-5

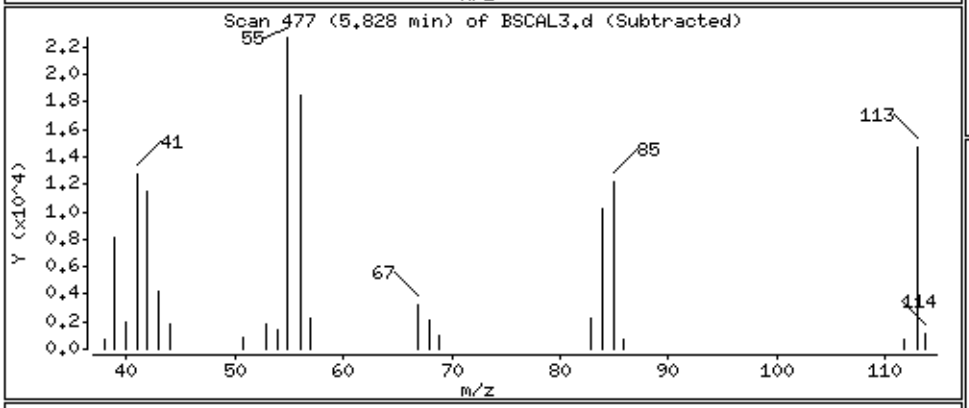
Column diameter: 0.25

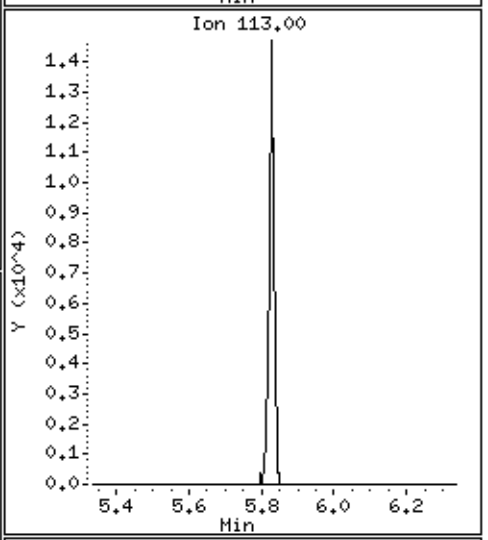
50 Caprolactam

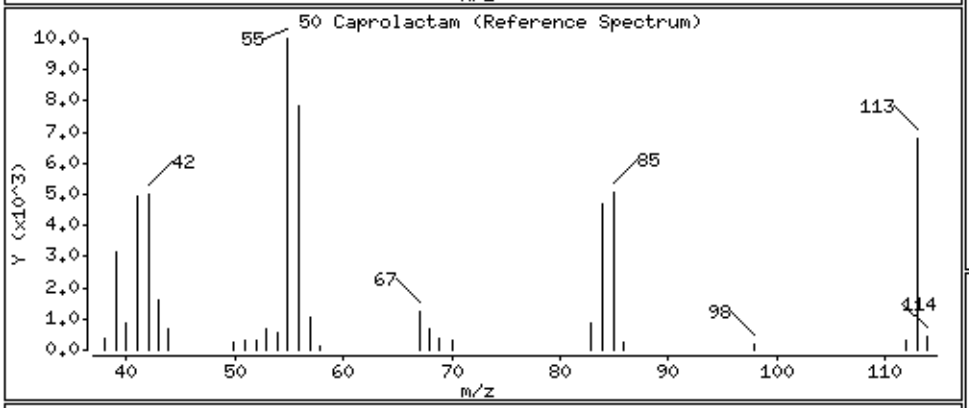
Concentration: 18.2 ug/kg

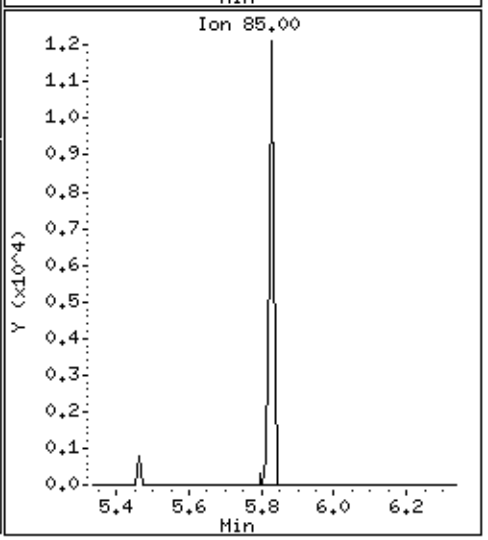


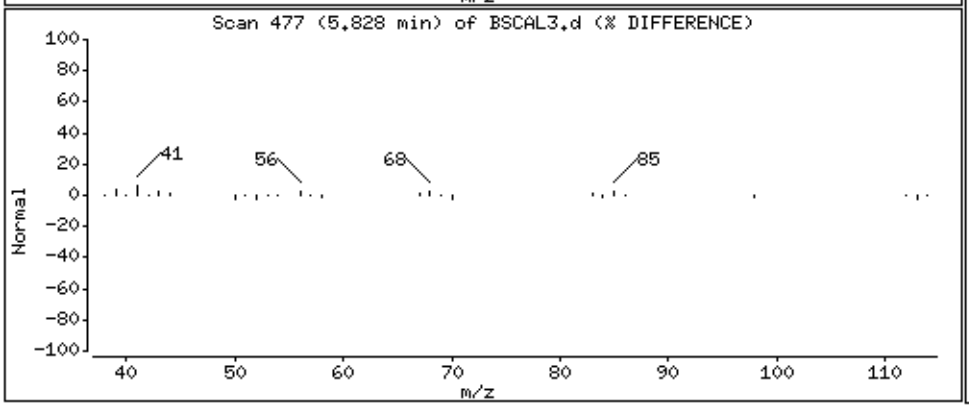












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

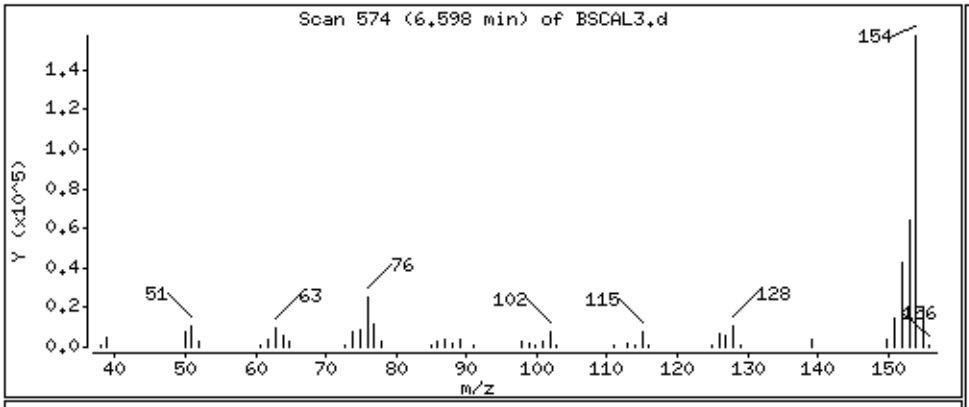
Operator: MJ

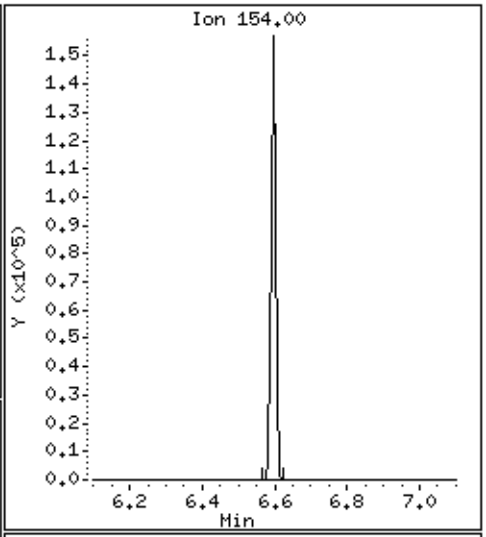
Column phase: HPMS-5

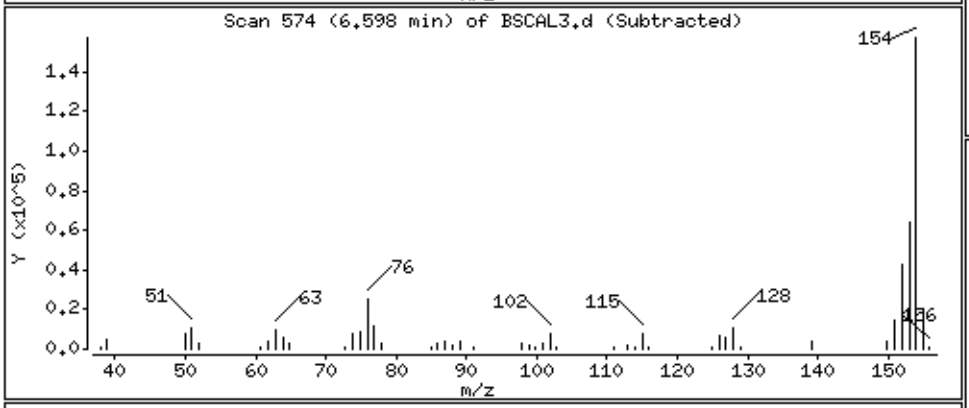
Column diameter: 0.25

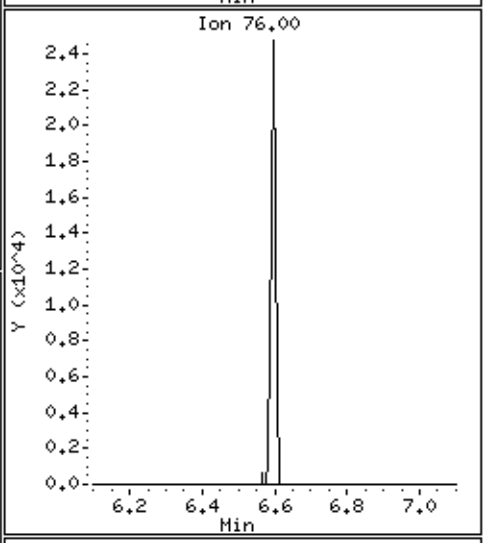
61 1,1-Biphenyl

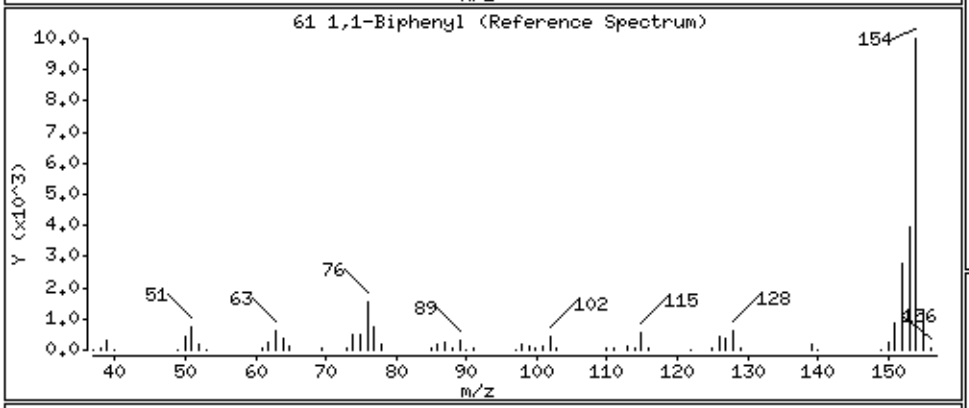
Concentration: 18.8 ug/kg

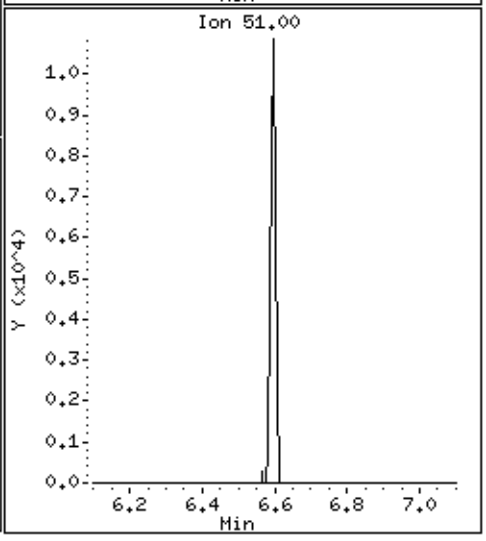


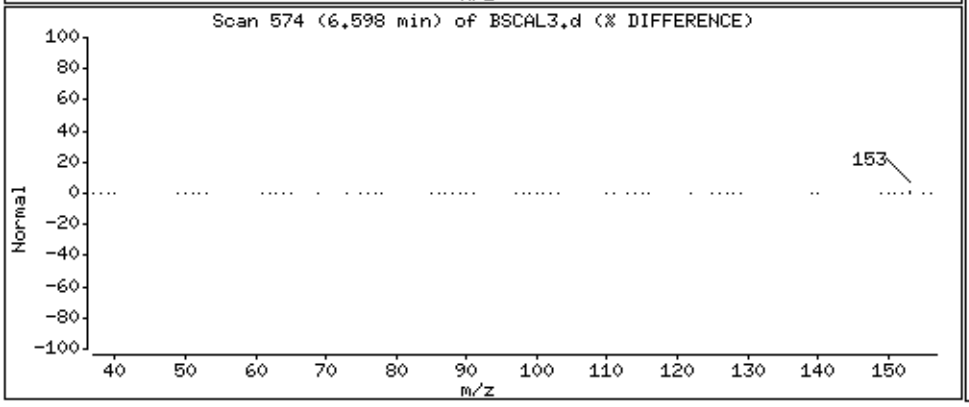












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

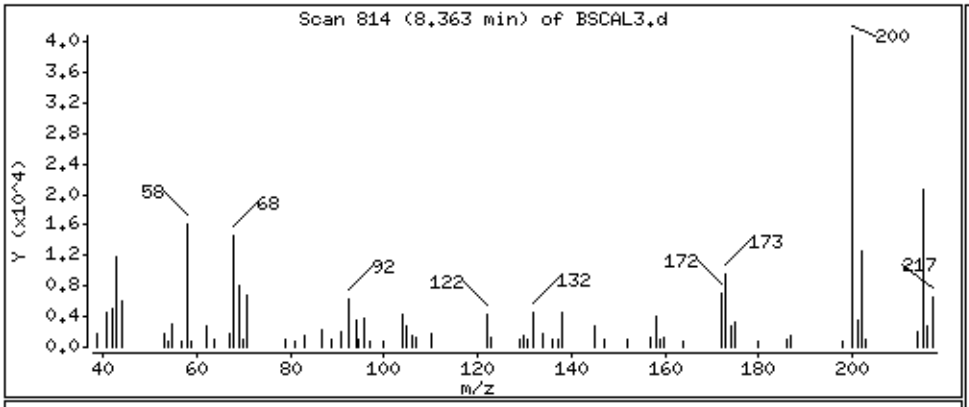
Operator: MJ

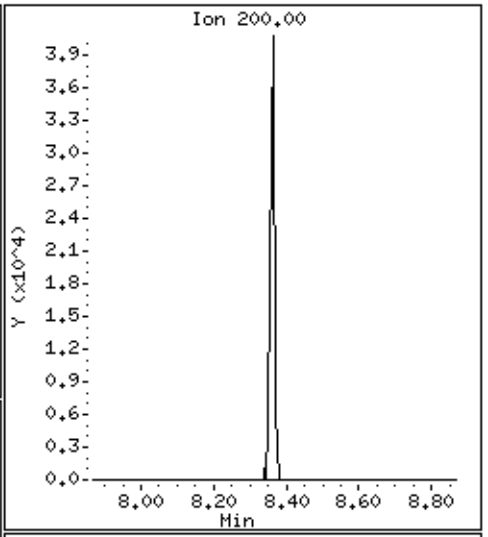
Column phase: HPMS-5

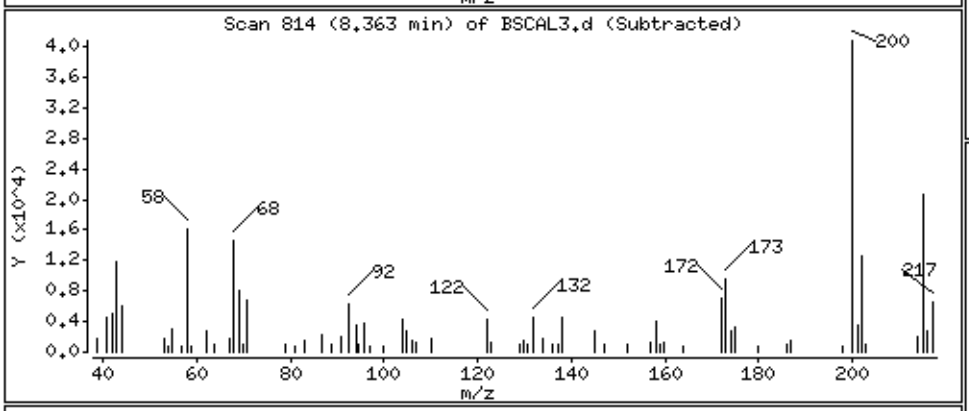
Column diameter: 0.25

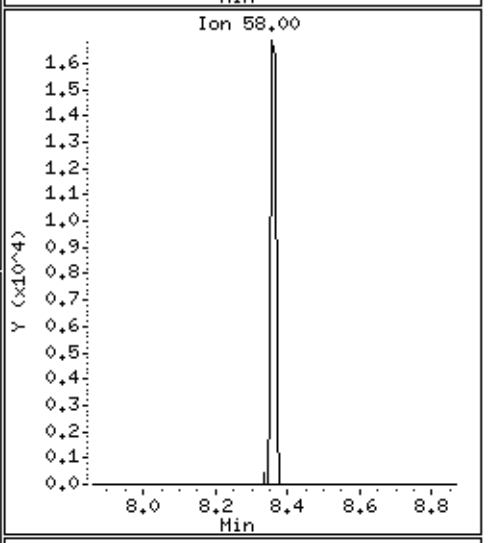
95 Atrazine

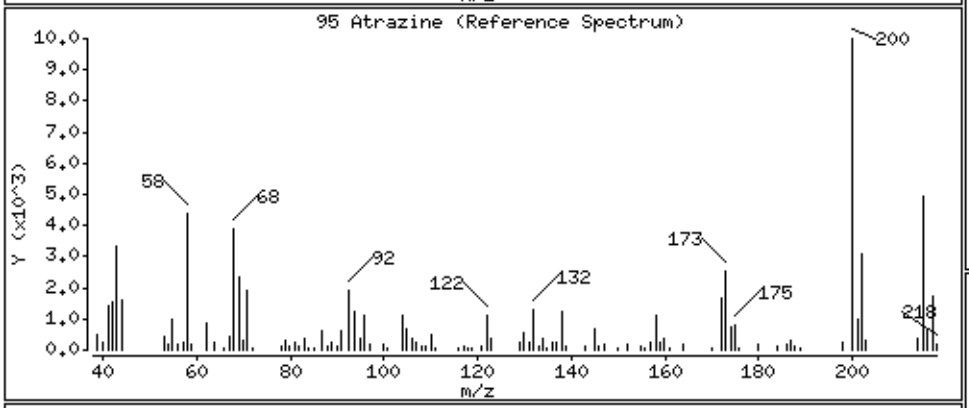
Concentration: 17.9 ug/kg

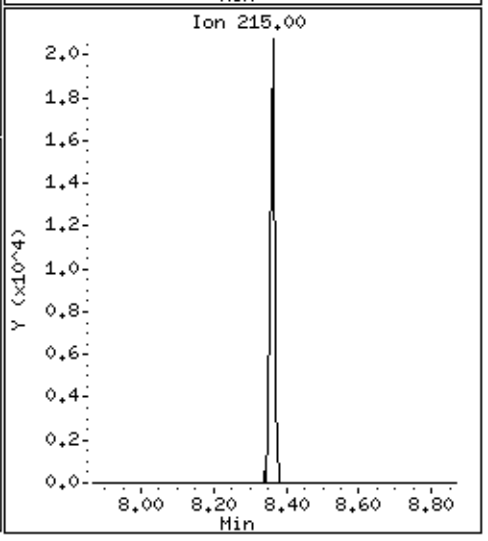


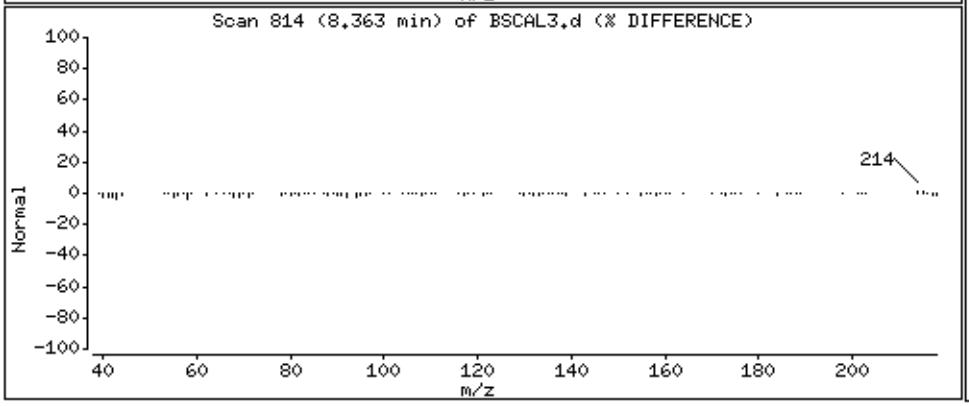












Data File: \\Svecd04\DD\chem\smsd04.i\S41114SScal.b\BSCAL3.d

Date : 15-NOV-2012 08:01

Client ID: BSCAL3

Instrument: smsd04.i

Sample Info: 47966

Operator: MJ

Column phase: HPMS-5

Column diameter: 0.25

110 Benzidine

Concentration: 17.5 ug/kg